CTH-S

FEB 102 PROJECT ID: 6200-05-71 WITH: N/A

COUNTY: WINNEBAGO

DESIGN ID: 6200-05-03

INDEX OF SHEETS

Sheet No. 1 Title
Sheet No. 2.1-2.71 Typical Sections and Details
Sheet No. 3.1-3.8 Estimate of Quantities
Sheet No. 3A-3E & 3AA-3CC Miscellaneous Quantities
Sheet No. 4.1-4.44 Right of Way Plat
Sheet No. 5.1-5.25 Plan and Profile
Sheet No. 6.1-6.45 Standard Detail Drawings
Sheet No. 7.1-7.3 Sign Plates
Sheet No. 8.1-8.92 Structure Plans
Sheet No. 9.1-9.7 Computer Earthwork Data
Sheet No. 9.8-9.227 Cross Sections

TOTAL SHEETS = 545

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

USH 41 - CTH G

USH 41 - STH 116

~~STH 110~~ OLD CoRd S

WINNEBAGO COUNTY

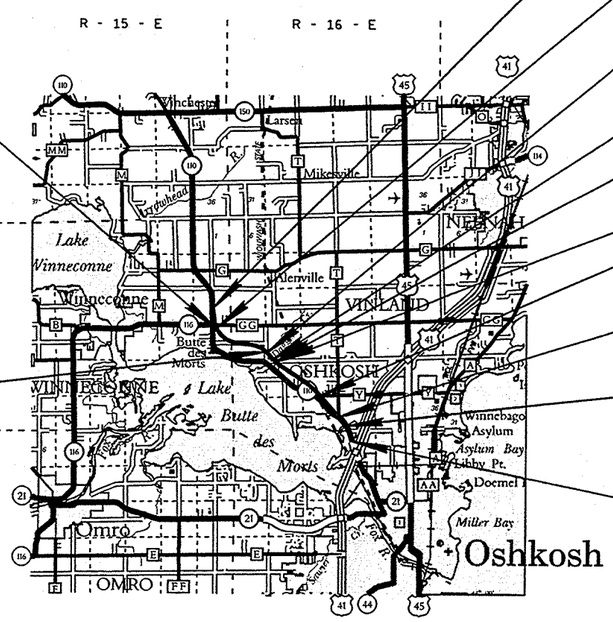
STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
6200-05-71	—	—

REVISED
PAGES 2.5 - 2.19 - 3C - 3E - 3M - 3X - 3AA

23

STATE PROJECT NUMBER
6200-05-71

STRUCTURE B-70-241
STA 362+00



STRUCTURE B-70-220
STA 13+88

END PROJECT 6200-05-71
STA 385+00 STH 110 NB ℄

EXCEPTION TO NET ℄ LENGTH
373+23.32 TO 375+27.31 STH 110 NB ℄
B-70-221

EXCEPTION TO NET ℄ LENGTH
282+52.00 TO 283+76.00 STH 110 NB ℄
B-70-219

STRUCTURE B-70-234
STA 8+60

STRUCTURE B-70-217
STA 16+86

STRUCTURE R-70-7, R-70-8

EXCEPTION TO NET ℄ LENGTH
178+26.11 TO 179+74.73 STH 110 NB ℄
B-70-216

EXCEPTION TO NET ℄ LENGTH
137+00.00 TO 146+00.00 STH 110 NB ℄

STRUCTURE B-70-211, B-70-212, B-70-213
STA 121+25

BEGIN PROJECT 6200-05-71
STA 98+00 STH 110 NB ℄
X = 2,374,299.824
Y = 755,571.174

LAYOUT
SCALE 0 2 MI.

TOTAL NET LENGTH OF CENTERLINE = 5.175 MI.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN STATE PLANE COORDINATE SYSTEM (WSPCS), SOUTH ZONE.

DESIGN DESIGNATION

A.D.T. 2002	=	22,400
A.D.T. 2022	=	29,900
D.H.V. 2022	=	1,405
D.	=	62/38
T.	=	5.9%
DESIGN SPEED	=	70 MPH
ESALS	=	NA

CONVENTIONAL SYMBOLS

COUNTY LINE
CORPORATE LIMITS
PROPERTY LINE
LOT LINE
LIMITED EASEMENT
EXISTING RIGHT OF WAY
PROPOSED OR NEW R/W LINE
SURVEY LINE
SLOPE INTERCEPT
ORIGINAL GROUND
MARSH OR ROCK PROFILE (To be notes as such)
MARSH AREA
WOODED OR SHRUB AREA

COMBUSTIBLE FLUIDS (CAUTION)
UNDERGROUND UTILITIES
GAS — G
ELECTRIC — E
TELEPHONE OR TELEGRAPH — T
COMMUNICATIONS LINE — C
SERVICE PEDESTAL
POWER POLE
TELEPHONE POLE
RAILROAD
SANITARY SEWER — SAN
STORM SEWER — SS
WATER — W
EXISTING CULVERT
PROPOSED CULVERT (Box or Pipe)
CULVERT (Profile View)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
PREPARED BY	
Surveyor	DISTRICT 3
Designer	T. J. BUCHHOLZ
District Examiner	P. P. ASMAN
District Supervisor	H. B. ENKE
Proj. Dev. Engineer	B.V. REVELLO
C.O. Examiner	N.R. AFFELDT

APPROVED FOR DISTRICT OFFICE
DATE: 11/29/2001 Tom Buchholz (Signature)

E

STANDARD DETAIL DRAWINGS

INLET COVERS TYPES A, H, A-S, & H-S	8A5-16a
INLET COVERS TYPE B, B-A, C, WS, WS-A, & WW	8A5-16b
INLETS, TYPES 1, 2, 3, AND 4	8C1-5
INLETS, TYPES 8, 9, 10 AND 11	8C5-2
CONCRETE CURB, CONCRETE CURB AND GUTTER AND PAVEMENT TIES	8D1-13
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SILT FENCE	8E9-5
INLET PROTECTION TYPE A, B AND C	8E10-1
TURBIDITY BARRIER	8E11-1
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APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE	8F2-1
JOINT TIES FOR CONCRETE PIPE	8F4-5
STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SIDE DRAINS SLOPED SECTION	8F7-3
CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH	8F10-1
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STEEL PLATE BEAM GUARD, CLASS "A", INSTALLATION & ELEMENTS	14B15-4b
STEEL PLATE BEAM GUARD, CLASS "A" (AT BRIDGES, OBSTACLES AND SIDEROADS/DRIVEWAYS)	14B18-4a
STEEL THRIE BEAM STRUCTURE APPROACH	14B20-5a
STEEL THRIE BEAM STRUCTURE APPROACH, CONNECTION TO SQUARED END AND VERTICAL FACED PARAPETS	14B20-5b
CONCRETE BARRIER, SINGLE FACED (WITH ANCHORAGE)	14B22-3a & b
STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL	14B24-3a, b & c
MARKER POSTS FOR RIGHT-OF-WAY	15A1-7
MARKER POSTS, FLEXIBLE, FOR CULVERT END	15A3-1
BARRICADES AND SIGNS FOR ROAD CLOSURES	15C2-3
TRAFFIC CONTROL, ADVANCE WARNING SIGNS, 45 M.P.H. OR GREATER	15C4-1
TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC	15C7-5a
PAVEMENT MARKING SYMBOLS	15C8-9a
PAVEMENT MARKING (MAINLINE)	15D28-1
TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY	15D29-1
TRAFFIC CONTROL, VEHICLE ENTRANCE/EXIT OR HAUL ROAD	16A1-6
LANDMARK REFERENCE MONUMENTS AND COVERS	

UTILITIES

AMERICAN TRANSMISSION COMPANY LLC, A WISCONSIN LIMITED LIABILITY COMPANY
ANDY EBERHARDT
N19 W23993 RIDGEVIEW PARKWAY WEST
P O BOX 47
WAUKESHA WI 53187-0047
262-506-6864 FAX 262-506-6711
TRANSMISSION

AMERITECH
CHARLES BARTELT
70 E DIVISION STREET
FOND DU LAC WI 54935
920 929-1013 FAX 920 929-1064 PG 414 318-0479 CELL 920 948-2170
TELEPHONE

ANR PIPELINE CO
LARRY HUBER
W3925 PIPELINE LANE
EDEN WI 53019 WI 53019
(920-477-4211)EXT 13 (920-477-2113 - FAX)CELL 920-979-0060
GAS

CHARTER COMMUNICATIONS
TOM HARYCKI
N8284 REED STREET
RIPON WI 54971
920-748-9222 920-960-3699
TELEPHONE AND CABLETV

CITY OF OSHKOSH PUBLIC WORKS
DAVID PATEK
215 CHURCH AVENUE
PO BOX 1130
OSHKOSH WI 54902 1130
920 236-5065
SEWER AND WATER

NORLIGHT TELECOMMUNICATIONS INC
JIM KOSTUCH
275 NORTH CORPORATE DRIVE
BROOKFIELD WI 53045-5818
(262) 792-7935 FAX 262-792-7991
TELECOMMUNICATIONS

TIME WARNER CABLE
LARRY PIHLSTROM
1001 KENNEDY AVENUE
PO BOX 145
KIMBERLY WI 54136-0145
(920-831-9211)
CABLETV

VILLAGE OF WINNECONNE
JOHN ROGERS
PO BOX 650
30 SOUTH FIRST STREET
WINNECONNIE WI 54986
SEWER AND WATER

WISCONSIN PUBLIC SERVICE
MICHAEL CERKAS
700 NORTH ADAMS STREET
PO BOX 19001
GREEN BAY WI 54307-9001
920-433-4942 FAX 920-433-1360
GAS AND ELECTRIC

DIGGERS HOTLINE
Toll Free (800) 242-8511
Milwaukee Area (414) 259-1181
Hearing Impaired TDD (800) 542-2289
www.DiggersHotline.com

GENERAL NOTES

THE CONTROL SURVEY FOR THIS PROJECT WAS CONDUCTED UNDER AND WET SPECIFICATIONS FOR THIRD ORDER CONTROL SURVEYS.

COORDINATES AND BEARINGS SHOWN ON THIS PLAN ARE ORIENTED TO THE WISCONSIN COORDINATE SYSTEM, SOUTH ZONE (NAD 27).

CURVE DATA SHOWN ON THE PLAN IS "ARC DEFINITION".

COORDINATES SHOWN ON THIS PLAN ARE ENGLISH GROUND VALUES. ENGLISH GRID VALUES CAN BE OBTAINED BY MULTIPLYING GROUND VALUES BY 0.999997 AND ADDING TWO MILLION TO THE CONVERTED EAST VALUE. DISTANCES ARE GROUND LENGTHS AND CAN BE CONVERTED TO GRID LENGTHS BY MULTIPLYING THE DISTANCE BY 0.999997.

ALL ELEVATIONS ON THIS PROJECT ARE REFERENCED TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (N.G.V.D.).

LEDGE ROCK SOUNDINGS ARE ON FILE AND AVAILABLE FOR INSPECTION AT THE DEPARTMENT OF TRANSPORTATION, DISTRICT 3 OFFICE.

LIMITED EASEMENTS FOR P.E. CONSTRUCTION HAVE BEEN OBTAINED AND THESE RIGHTS HAVE BEEN EXTENDED TO THE CONTRACTOR.

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY FACILITIES AS SHOWN ON THE PLAN ARE APPROXIMATE. THERE MAY BE OTHER UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER.

ALL EXISTING CULVERT PIPES WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED EXCEPT AS OTHERWISE NOTED.

THE ELEVATIONS SHOWN ON THE ROADWAY CROSS SECTIONS ARE EARTH GRADE ELEVATIONS AT THE REFERENCE LINE OF THE ROADWAY AND AT DITCH BOTTOMS.

THE LIMITS OF MARSH EXCAVATION AND MARSH DISPOSAL SHOWN ON THE CROSS SECTION SHEETS ARE APPROXIMATE. THE EXACT LIMITS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD. THE SHRINKAGE ALLOWANCE USED FOR MARSH EXCAVATION IS 50%, BASED ON ITS ORIGINAL POSITION.

EXCAVATION BELOW SUBGRADE (E.B.S.), AS SHOWN ON THE PLAN AND PROFILE SHEETS, SHALL BE MEASURED AND PAID FOR AS COMMON EXCAVATION. THE EXACT LIMITS AND LOCATIONS ARE TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

EARTHWORK BALANCES AND HAULS AS SHOWN ON THE PLAN AND PROFILE SHEETS MAY BE REVISED WITH THE APPROVAL OF THE ENGINEER IF SUCH REVISIONS WILL FACILITATE THE CONTRACTOR'S PLAN OF OPERATION AND SATISFY THE REQUIREMENTS OF THE CONTRACT PLANS, SPECIFICATIONS AND SPECIAL PROVISIONS.

INLET AND DISCHARGE ELEVATIONS FOR DRAINAGE STRUCTURES SHOWN ON THE PLAN ARE APPROXIMATE AND SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

REINFORCED CONCRETE APRON ENDWALLS AND ADJOINING TWO SECTIONS OF CONCRETE PIPE SHALL BE TIED TOGETHER AS SHOWN ON THE STANDARD DETAIL DRAWINGS AND AS LOCATED IN THE MISCELLANEOUS QUANTITIES. JOINT TIES SHALL BE INCIDENTAL TO VARIOUS ITEMS.

WHEN THE QUANTITY OF CRUSHED AGGREGATE BASE COURSE IS MEASURED FOR PAYMENT BY THE TON, THE DEPTH OR THICKNESS AS SHOWN ON THE PLAN IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND UPON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER IN THE FIELD.

THE EXACT LOCATIONS AND LIMITS OF PRIVATE AND FIELD ENTRANCES SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE MEDIAN EDGE OF PAVEMENT OF THE NORTHBOUND ROADWAY IS THE MAINLINE REFERENCE LINE.

CURB AND GUTTER RADII ARE SHOWN TO THE FRONT FACE OF CURB.

CURB HEIGHTS AT THE END OF CURB AND GUTTER SHALL BE TAPERED FROM 0 TO 6 INCHES IN 6 FEET.

SHOULDERS SHALL BE PAVED FULL WIDTH IN LOCATIONS WHICH REQUIRE STEEL PLATE BEAM GUARD.

THE QUANTITY OF SALVAGED TOPSOIL WAS COMPUTED FROM MEASUREMENTS BETWEEN THE FINISHED SUBGRADE POINTS AND THE SLOPE INTERCEPTS AS SHOWN ON THE CROSS SECTIONS PLUS 5 FEET PER STATION FOR ROUNDING.

ALL DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS BETWEEN THE SUBGRADE SHOULDER POINTS, SHALL BE FERTILIZED, SEEDED AND MULCHED.

DISTURBED AREAS THAT WERE PREVIOUSLY LAWNS SHALL BE SEEDED WITH SEED MIXTURE NO. 40.

RUNOFF COEFFICIENT FOR THIS PROJECT: EXISTING PAVEMENT .95 EXISTING SLOPES .36; NEW PAVEMENT .95 NEW SLOPES .36 TOTAL PROJECT AREA 287 ACRES. TOTAL AREA DISTURBED 254 ACRES.

PRIOR TO ORDERING DRAINAGE PIPES AND STRUCTURES, THE CONTRACTOR SHALL VERIFY RELATED DRAINAGE INFORMATION IN THE PLAN WITH THE ENGINEER.

EROSION CONTROL MEASURES SHALL BE PLACED AS SHOWN ON THE EROSION CONTROL PLAN. THE EXACT LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

THE CONTRACTOR SHALL NOTIFY THE DISTRICT TRAFFIC UNIT,920-492-3512, TWO WEEKS PRIOR TO PROJECT COMPLETION TO ALLOW FOR THE PLACEMENT OF ANY PERMANENT SIGNING WHICH WAS REMOVED OR MOVED DURING CONSTRUCTION OPERATIONS.

ALL ARCHAEOLOGICAL SITES SHALL NOT BE DISTURBED.

COUNTY SURVEYOR OR SURVEYS CONTACT PERSON

JERRY L. BOUGIE - WINNEBAGO COUNTY
WINNEBAGO COUNTY COURT HOUSE
415 JACKSON STREET
OSHKOSH, WISCONSIN 54902
PHONE 920-236-4839

DNR AREA LIAISON

WISCONSIN DEPARTMENT OF NATURAL RESOURCES
BOBBI JO DEFERE 920-303-5442
JAMES P COUGHLIN CENTER
625 EAST COUNTY ROAD Y, SUITE 700
OSHKOSH, WISCONSIN 54901-9731

DETAIL SHEET INDEX

SHEET TITLE	SHEET NUMBER
GEN NOTES, UTILITIES, STANDARD DETAILS, ETC	2.1
PROJECT OVERVIEW	2.2
TYPICAL CROSS SECTIONS	2.3-2.10
CONSTRUCTION DETAILS	2.11-2.37
EROSION CONTROL	2.38-2.61
DRAIN TILE	2.62-2.67
LIGHTING	2.68-2.69
TRAFFIC CONTROL	2.70
ALIGNMENT DIAGRAM	2.71

STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	TYPICAL CROSS SECTIONS	SCALE, FEET	SHEET NO: 2.1	E

FILE NAME : F:±d3_620005±200.dgn PLOT DATE: 29-NOV-2001 08:40 ORG DATE : 12-21-00 PLOT NAME : 20007I Originator : d3 PLOT SCALE : 10.030303:1.000000
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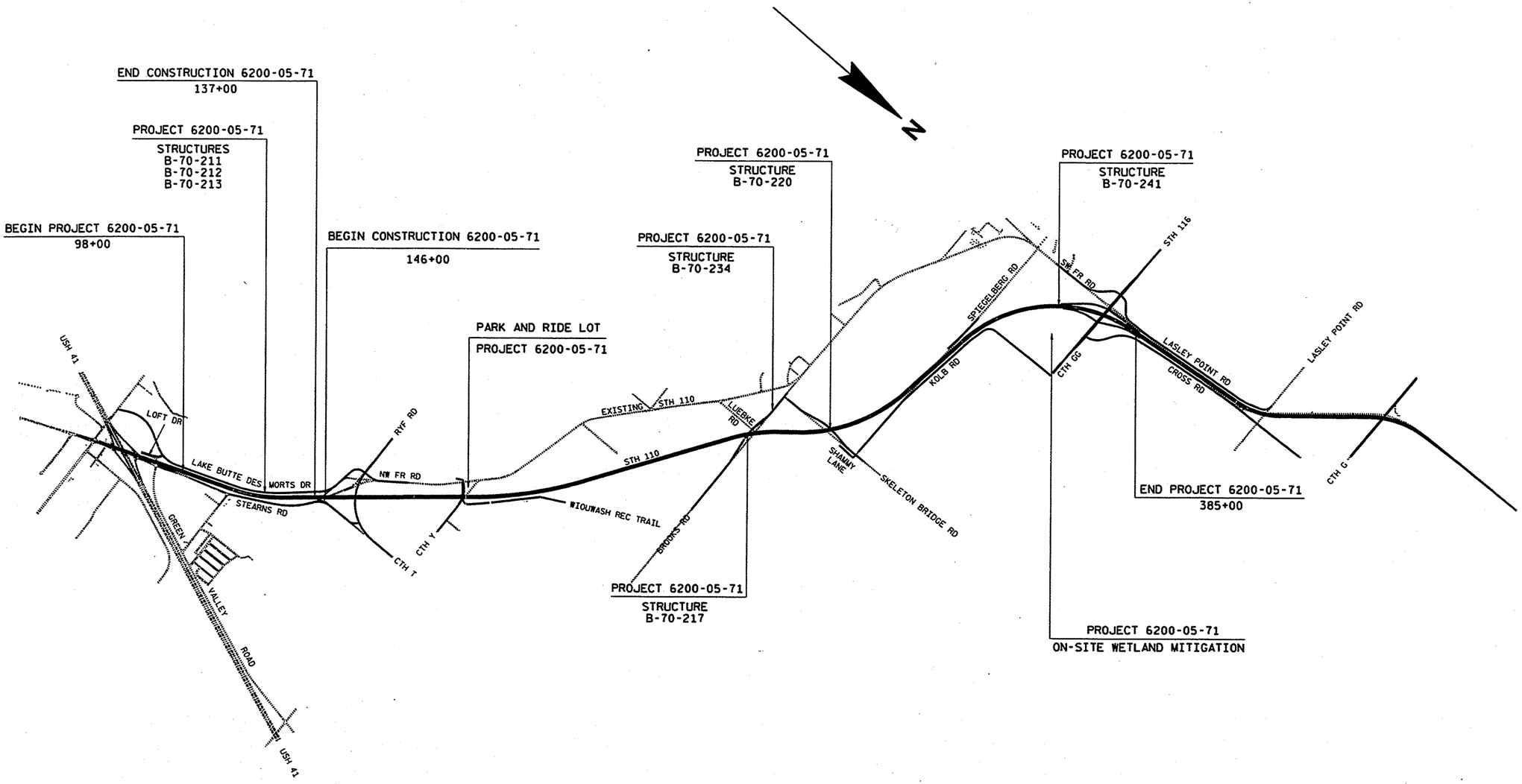

STATE PROJECT NUMBER:6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	PROJECT OVERVIEW	SCALE, FEET 0	SHEET NO: 2.2	E

FILE NAME : F:±d3_620005±234.dgn
PLOT DATE: 26-NOV-2001 14:08
ORG DATE : 3-29-01
PLOT NAME : 234-71
Originator : DISTRICT 3
PLOT SCALE : 3009.090947:1.000000
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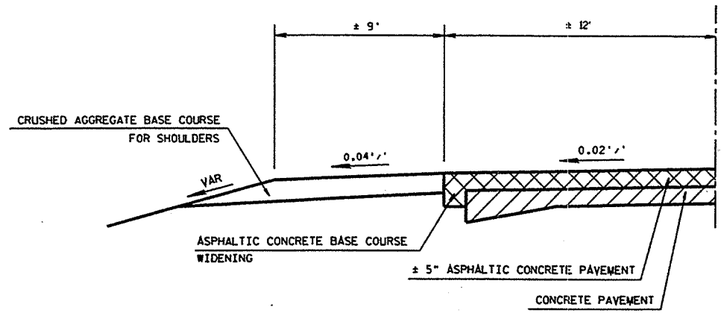
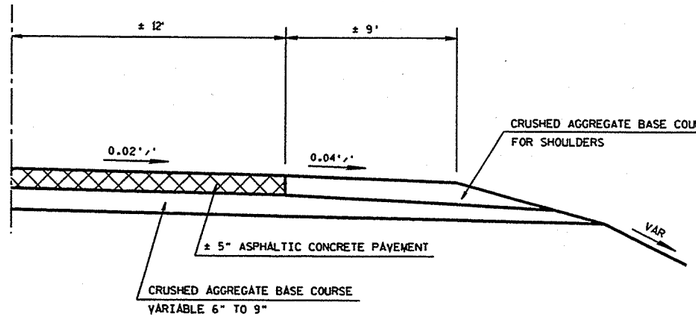


½ TYPICAL EXISTING CROSS SECTION FOR STH 110

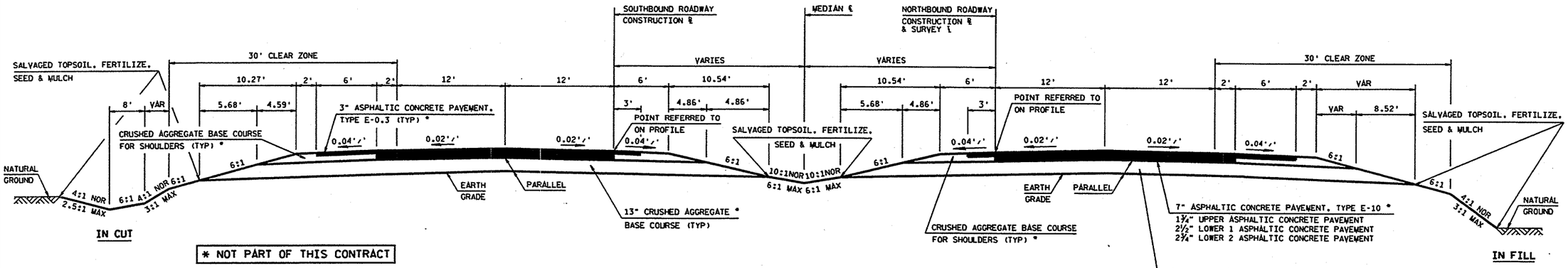
STA ± 98+00 TO ± 122+00
STA ± 146+00 TO ± 180+00
STA ± 270+00 TO ± 385+00

NOTE: STATIONING SHOWN FOR EXISTING CROSS SECTIONS IS RELATIVE TO NEW CONSTRUCTION STATIONING



½ TYPICAL EXISTING CROSS SECTION FOR STH 110

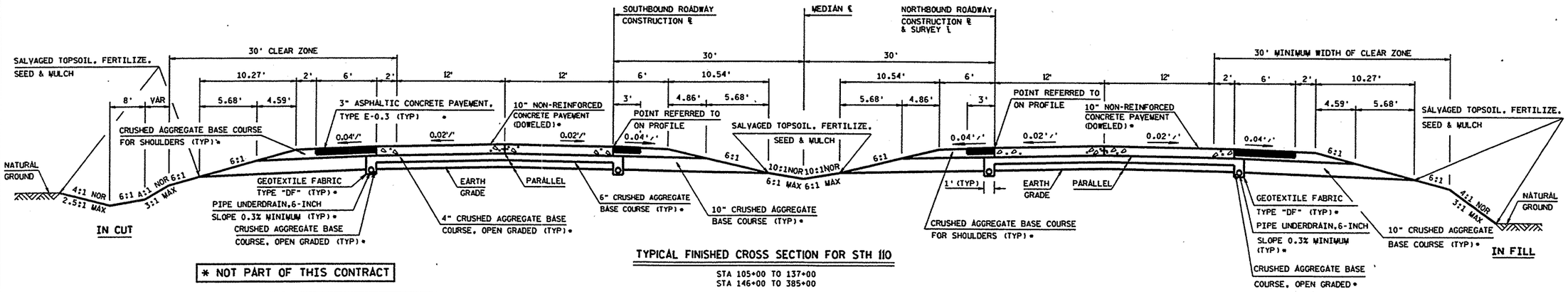
STA ± 122+00 TO ± 137+00
STA ± 180+00 TO ± 270+00



* NOT PART OF THIS CONTRACT

TYPICAL FINISHED CROSS SECTION FOR STH 110

STA 98+00 TO 105+00



* NOT PART OF THIS CONTRACT

TYPICAL FINISHED CROSS SECTION FOR STH 110

STA 105+00 TO 137+00
STA 146+00 TO 385+00

STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	TYPICAL CROSS SECTIONS	SCALE, FEET 0	SHEET NO: 2.3	E

FILE NAME : F:±d3_620005±200.dgn PLOT DATE: 26-NOV-2001 14:07 ORG DATE : 1-4-01 PLOT NAME : 20002 Originator : d3 PLOT SCALE : 10.040000:1.000000
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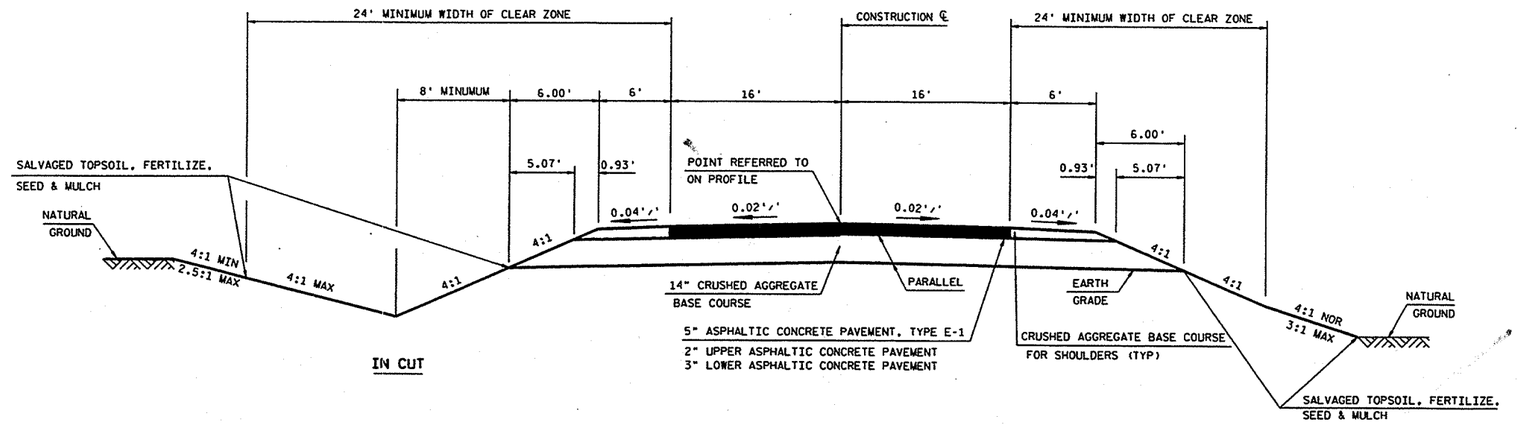
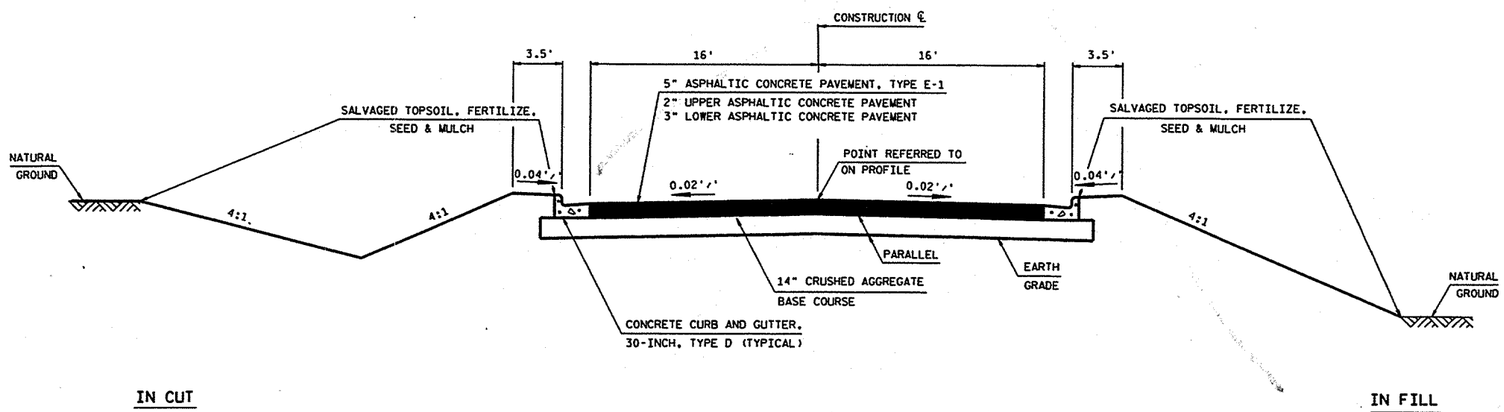


TYPICAL FINISHED CROSS SECTION FOR LAKE BUTTE DES MORTS DRIVE

STA 199+87.44 TO 205+00
STA 278+50 TO 281+89.35

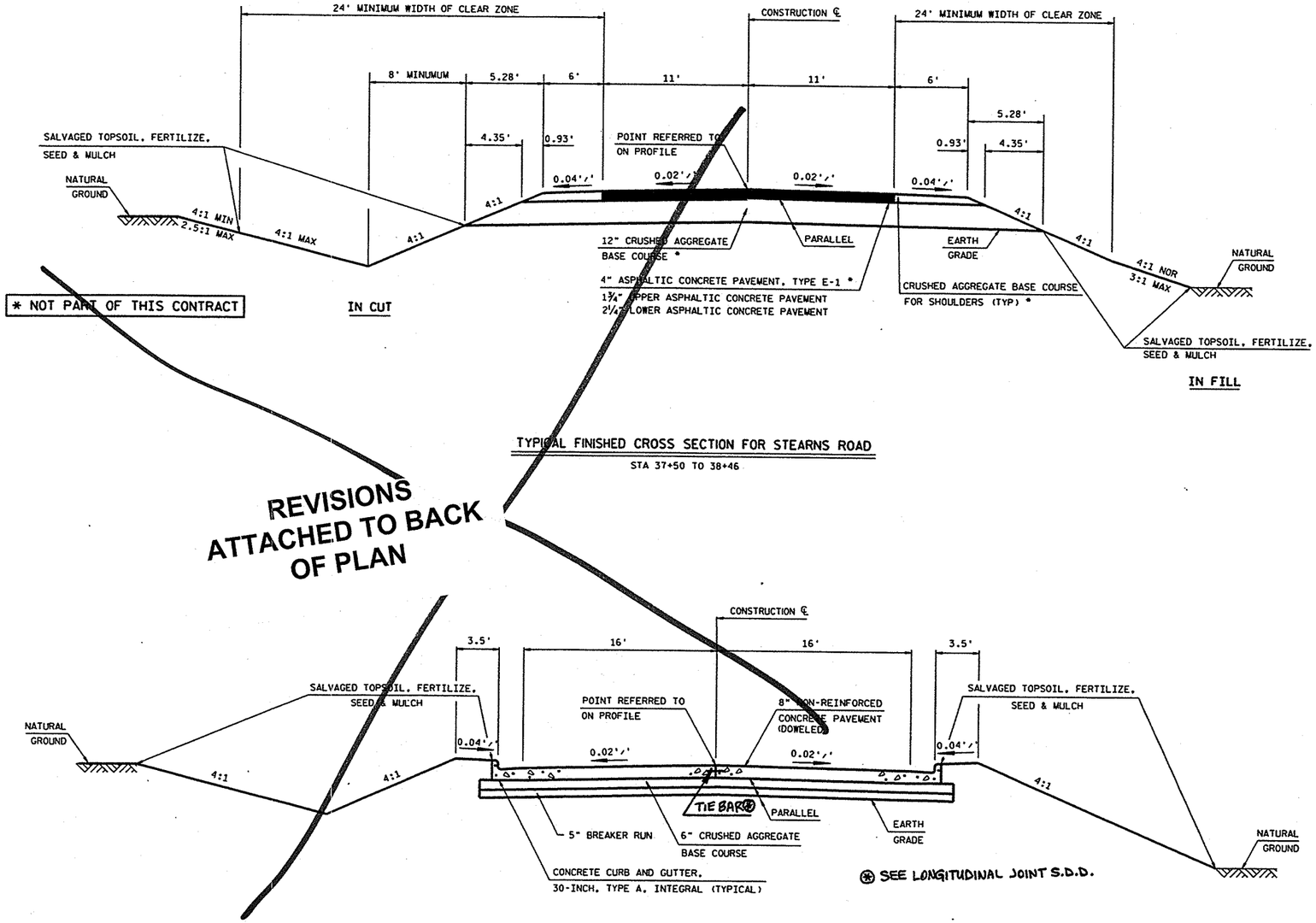


TYPICAL FINISHED CROSS SECTION FOR LAKE BUTTE DES MORTS DRIVE

STA 277+50 TO 278+50
STA 205+00 TO 241+00

STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	TYPICAL CROSS SECTIONS	SCALE, FEET	SHEET NO: 2.4	E

FILE NAME : F:±d3_620005±200.dgn PLOT DATE: 26-NOV-2001 14:07 ORG DATE : 12-21-00 PLOT NAME : 200z Originator : DISTRICT 3 -- JD PLOT SCALE : 10.030303:1.000000
WISDOT/CADDS SHEET 42



TYPICAL FINISHED CROSS SECTION FOR STEARNS ROAD

STA 37+50 TO 38+46

REVISIONS ATTACHED TO BACK OF PLAN

TYPICAL FINISHED CROSS SECTION FOR LAKE BUTTE DES MORTS DRIVE

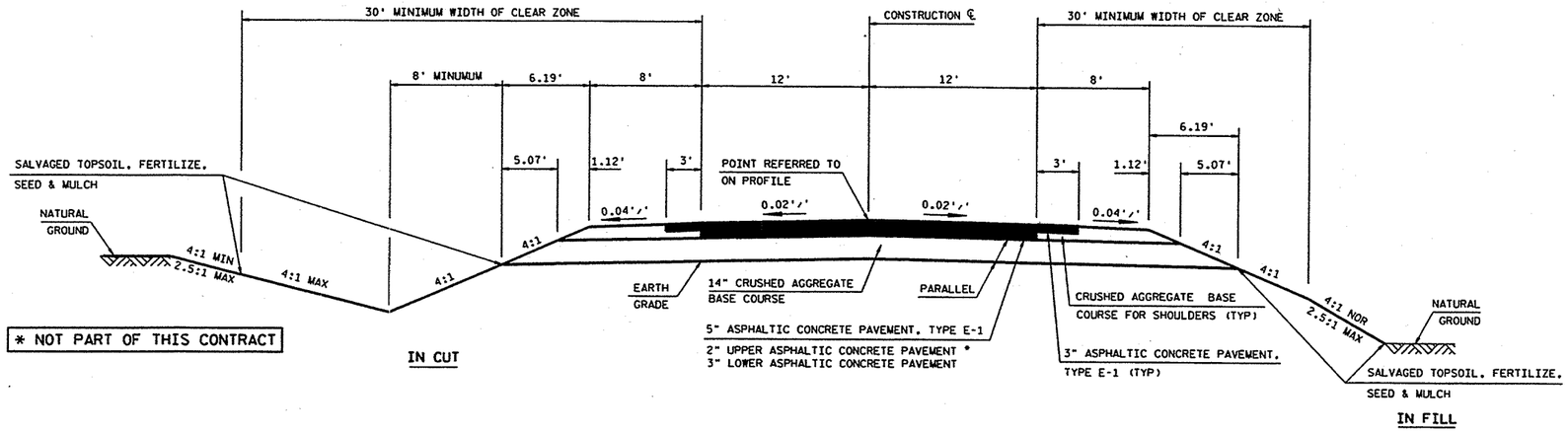
STA 241+00 TO 277+50

STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	TYPICAL CROSS SECTIONS	SCALE: FEET 0	SHEET NO: 2.5	E

FILE NAME : F:±d3_620005±200.dgn PLOT DATE: 27-NOV-2001 12:54 ORG DATE : 12-21-00 PLOT NAME : 200x Originator : DISTRICT 3 -- JD PLOT SCALE : 10.030303:1.000000

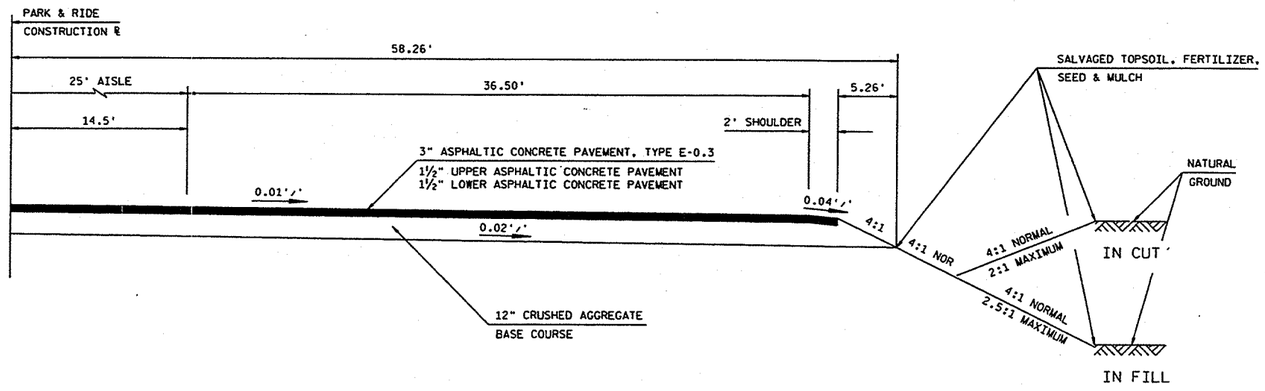
WISDOT/CADDS SHEET 42

LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63



TYPICAL FINISHED CROSS SECTION NORTHWEST FRONTAGE ROAD AT CTH T

STA 282+52.37 TO 291+00



½TYPICAL FINISHED CROSS SECTION FOR PARK & RIDE LOT (RECREATION TRAIL)

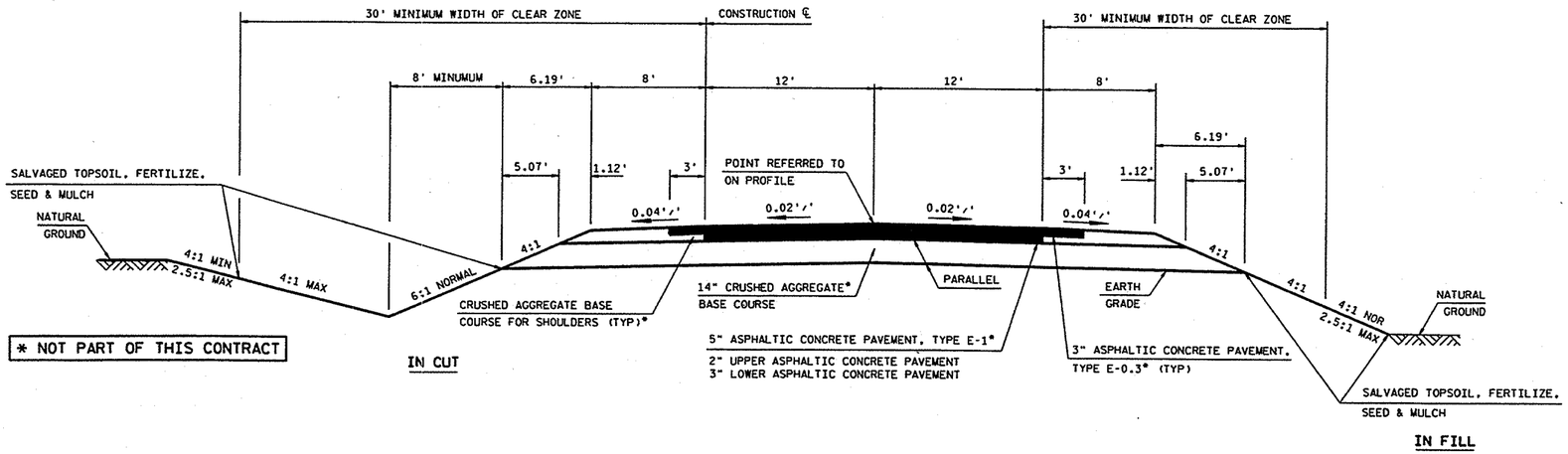
20+52 TO 22+66

STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	TYPICAL CROSS SECTIONS	SCALE, FEET	SHEET NO: 2.6	E

FILE NAME : F:±d3_620005±200.dgn PLOT DATE: 27-NOV-2001 12:54 ORG DATE : 12-21-00 PLOT NAME : 200w Originator : DISTRICT 3 -- JD PLOT SCALE : 10.030303:1.000000

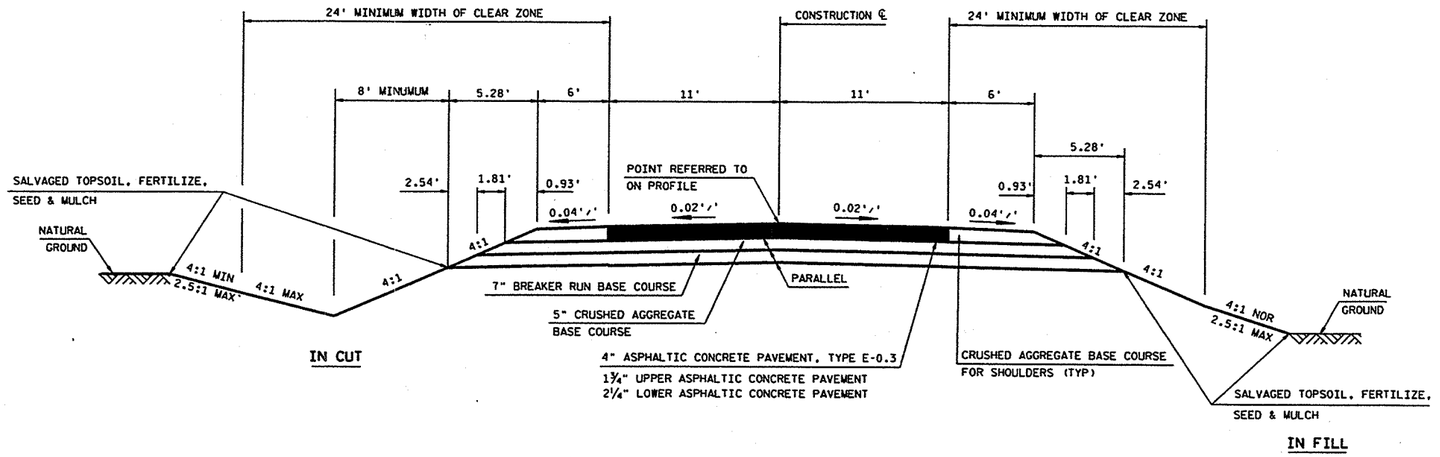
WISDOT/CADDS SHEET 42

LEVELS ON * 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63



TYPICAL FINISHED CROSS SECTION FOR CTH T/RYF ROAD

STA 26+00 TO 38+00

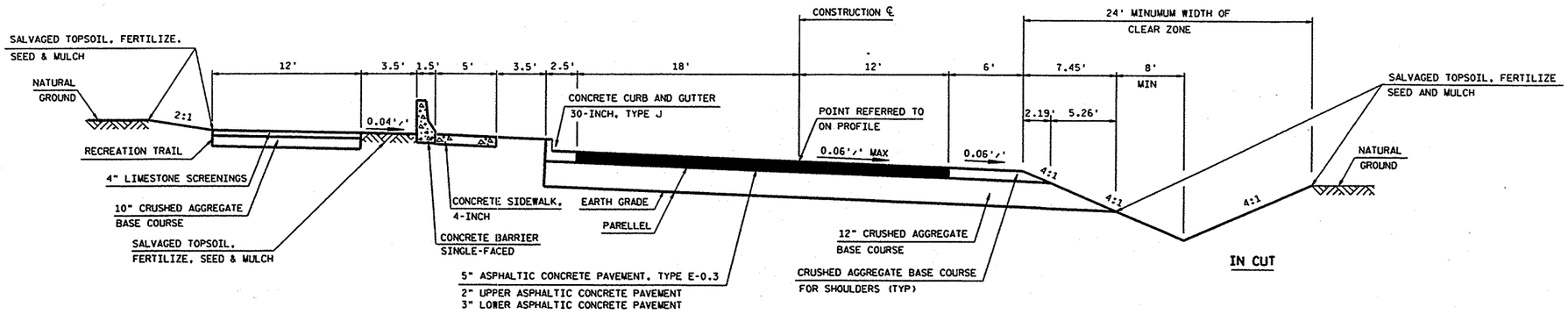


TYPICAL FINISHED CROSS SECTION FOR SIDE ROADS

STA 3+00 TO 30+00 (BROOKS ROAD)
STA 3+00 TO 26+00 (SKELETON BRIDGE ROAD)
STA 30+00 TO 36+28 (SHAWNY LANE)
STA 15+00 TO 72+92 (KOLB ROAD)
STA 10+00 TO 22+00 (SPIEGELBERG ROAD)

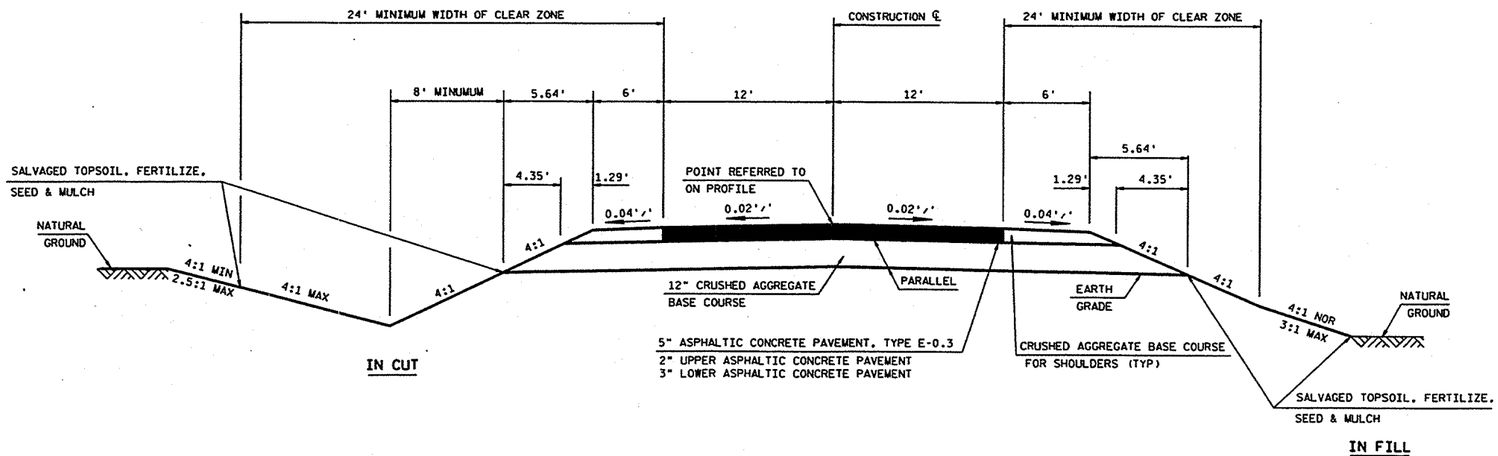
STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	TYPICAL CROSS SECTIONS	SCALE, FEET	SHEET NO: 2.7	E

FILE NAME : F:±d3_620005±200.dgn PLOT DATE: 26-NOV-2001 14:07 ORG DATE : 12-21-00 PLOT NAME : 200v Originator : DISTRICT 3 -- JD PLOT SCALE : 10.030303:1.000000
WISDOT/CADDS SHEET 42



TYPICAL FINISHED CROSS SECTION FOR CTH Y AND WIOUWASH TRAIL

STA 30+00 TO 34+50



TYPICAL FINISHED CROSS SECTION FOR CTH Y

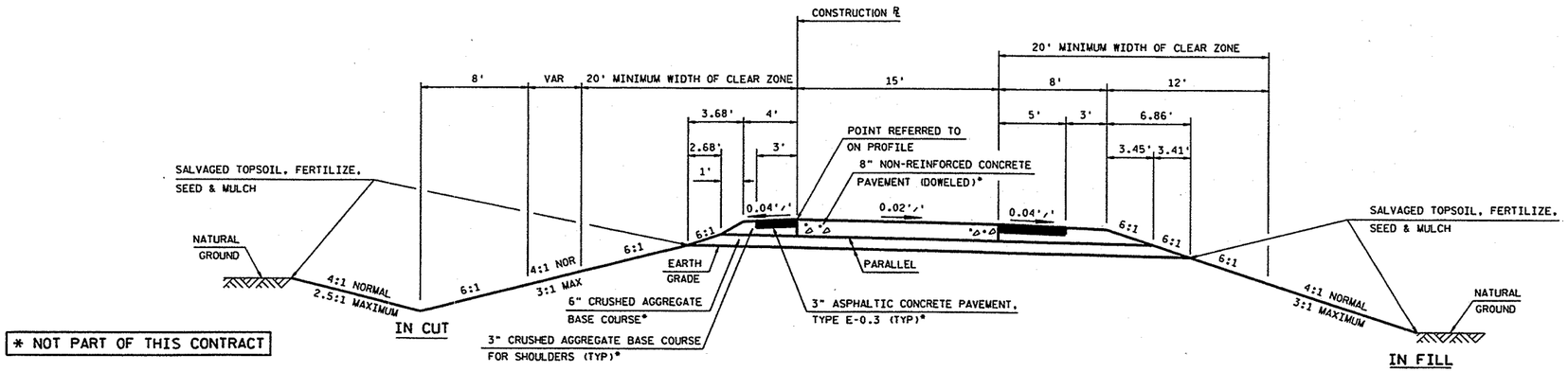
STA 34+50 TO 41+50

STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	TYPICAL CROSS SECTIONS	SCALE, FEET	SHEET NO: 2.8	E

FILE NAME : F:±d3_620005±200.dgn PLOT DATE: 29-NOV-2001 08:31 ORG DATE : 12-21-00 PLOT NAME : 200y Originator : DISTRICT 3 -- JD PLOT SCALE : 10.030303:1.000000

WISDOT/CADDS SHEET 42

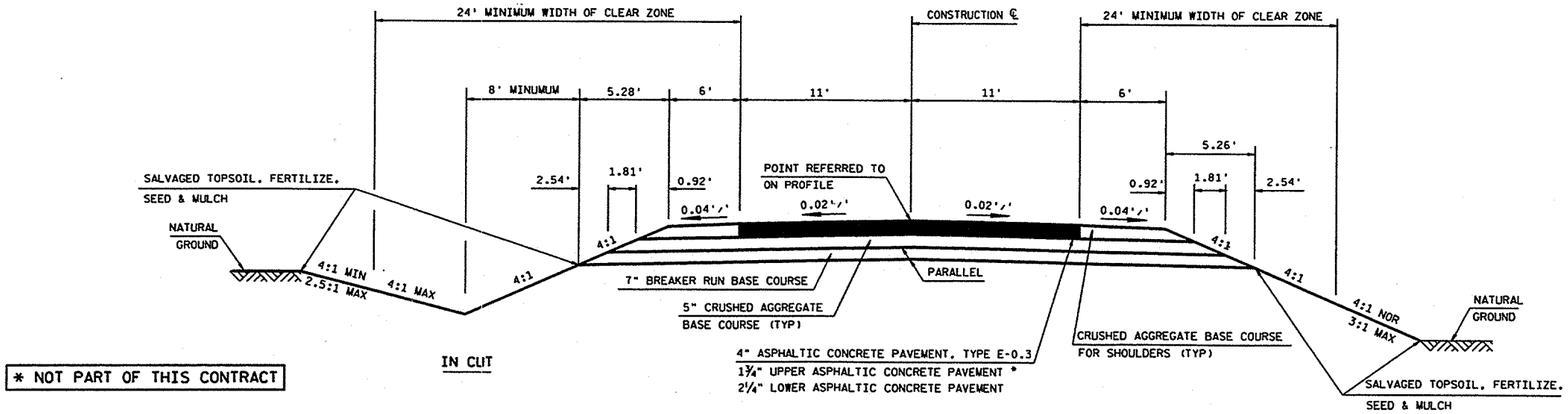
LEVELS ON - 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63



* NOT PART OF THIS CONTRACT

TYPICAL FINISHED CROSS SECTION FOR RAMPS AT STH 116 / CTH GG

STA 362+70 TO 373+19.71 (SOUTHEAST RAMP)
STA 362+47.90 TO 376+08.24 (SOUTHWEST RAMP)
STA 378+00 TO 386+64.57 (NORTHEAST RAMP)



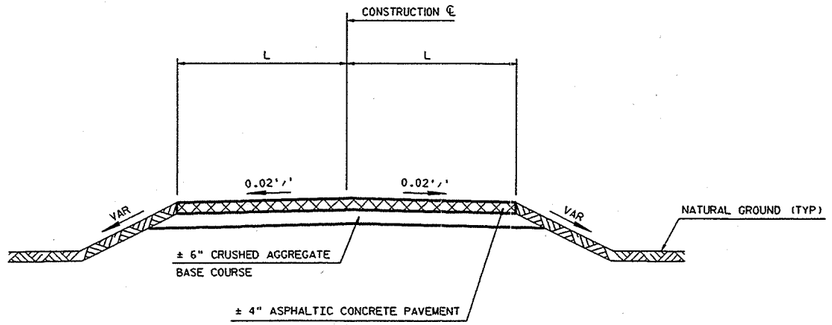
* NOT PART OF THIS CONTRACT

TYPICAL FINISHED CROSS SECTION FOR SOUTHWEST FRONTAGE ROAD AT STH 116

STA 13+00 TO 21+25

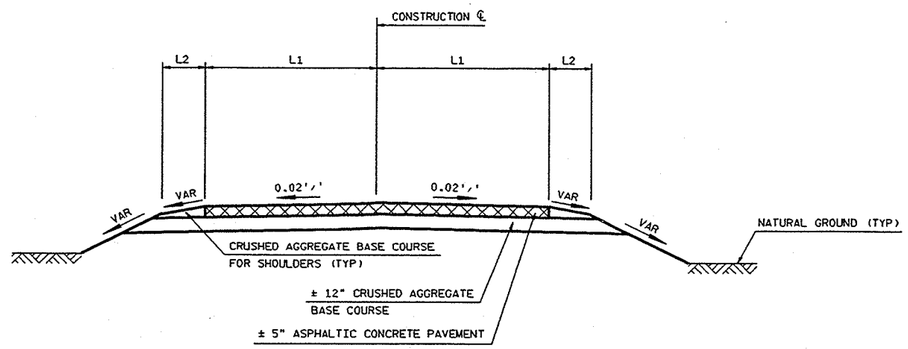
STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	TYPICAL CROSS SECTIONS	SCALE, FEET	SHEET NO: 2.9	E

FILE NAME : F:±d3_620005±200.dgn PLOT DATE: 26-NOV-2001 14:07 ORG DATE : 1-2-01 PLOT NAME : 200BBB Originator : 03 PLOT SCALE : 10.030303:1.000000
WISDOT/CADDS SHEET 42



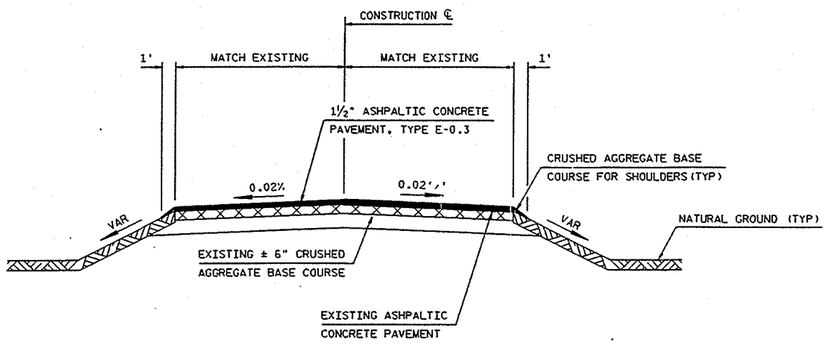
TYPICAL EXISTING CROSS SECTION FOR SIDE ROADS

STA 3+00 TO 30+50 (BROOKS ROAD)
L=12'
STA 3+00 TO 26+00 (SKELETON BRIDGE ROAD)
L= 8'
STA 15+00 TO 72+92 (KOLB ROAD)
L=10'
STA 10+00 TO 22+00 (SPIEGELBERG ROAD)
L=10'



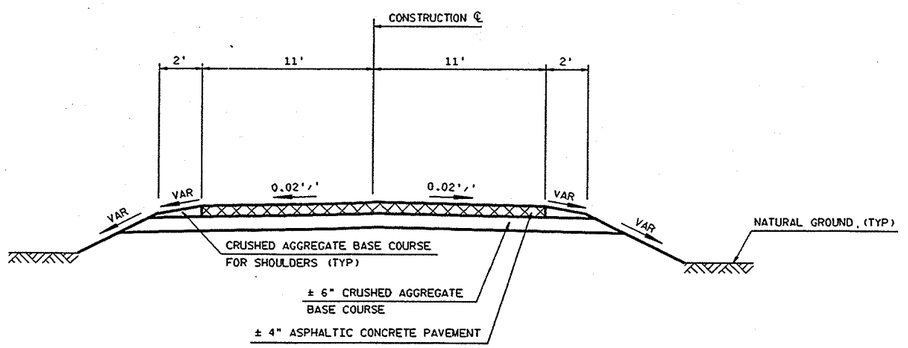
TYPICAL EXISTING CROSS SECTION FOR CTH Y

STA 30+00 TO 41+50
L1=10'
L2=2'



TYPICAL FINISHED CROSS SECTION FOR SKELETON BRIDGE ROAD

BROOKS ROAD TO STA 3+00



TYPICAL EXISTING CROSS SECTION FOR RYF ROAD

STA 10+00 TO 26+00

NOTE: STATIONING SHOWN FOR EXISTING CROSS SECTIONS IS RELATIVE TO NEW CONSTRUCTION STATIONING.

STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	TYPICAL CROSS SECTIONS	SCALE, FEET 0	SHEET NO: 2.10	E

FILE NAME : F:±d3_620005±200.dgn PLOT DATE: 05-DEC-2001 14:33 ORG DATE : 12-21-00 PLOT NAME : 200aa Originator : DISTRICT 3 -- JD PLOT SCALE : 10.030303:1.000000

WISDOT/CADDS SHEET 42

LEVELS ON - 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

SOILS INFORMATION

GENERAL NOTES:

BORINGS WERE MADE MARCH -APRIL 2001

THE MOISTURE CONTENT AND WATER TABLE WILL FLUCTUATE WITH SEASONAL CONDITIONS AND RAINFALL.

BORINGS WERE MEASURED FROM STH 110 NORTHBOUND REFERENCE LINE

BORING NUMBER	SAMPLE NUMBER	LOCATION	SAMPLE DEPTH FROM EXISTING GROUND IN	FIELD IDENTIFICATION	FIELD MOIST %	OPTIMUM %	+/- OF OPTIMUM	WATER TABLE EST.	P-200 %	LL	PL	PI	AASHTO CLASS.
B1	S1	221+00 MED CL	30"	COURSE SAND W/ STONES	6	13	-7.0	-	9.4	-	-	-	A-1-b
B2	S1	223+00 MED CL	30"	RED SANDY CLAY	15.8	15	+0.8	-	59.4	32.5	15.5	17	A-6 (7)
B3	S1	241+00 118' LT NB RL	48"	RED SANDY CLAY	24.7	18.9	+5.8	-	72.5	41.9	19.6	22.3	A-7-6 (13)
B4	S1	244+00 118' LT NB RL	50"	BROWN SILTY SAND	17.3	15	+2.3	-	66.7	23.5	15.5	8	A-4 (6)
B5	S1	246+00 MED CL	15"	BROWN SAND W/ STONES	3.5	8	-4.5	-	6.8	-	-	-	A-1-a
B6	S1	274+00 67'RT NB RL	50"	REDDISH BROWN SILTY CLAY	25.8	15	+10.8	-	77.5	35.9	19.4	16.5	A-6 (10)
B7	S1	278+00 60' RT NB RL	40"	RED SILTY CLAY	22.6	15	+7.6	-	76.7	31.3	14.9	16.4	A-6 (10)
B8	S1	322+00 115' LT NB RL	40"	RED CLAY W/SAND & GRAVEL	19.1	15	+4.1	-	51.3	33.3	21.2	12.1	A-6 (4)
B9	S1	324+00 115' LT NB RL	24"	REDDISH BROWN SILTY CLAY	13.6	15	-1.4	-	66.1	37.9	18.3	19.6	A-6 (10)
B10	S1	285+00 123' LT NB RL	36"	RED CLAY	21.7	15	+6.7	-	66.2	38.5	16	22.5	A-6 (11)
B11	S1	288+00 123' LT NB RL	53"	RED CLAY	33.9	25.8	+8.1	-	96.9	51.8	25.1	26.7	A-7-6 (17)
B12	S1	291+00 123' LT NB RL	24"	RED CLAY	34.1	25.8	+8.3	-	96.1	67.1	24.2	42.9	A-7-6 (20)
B13	S1	294+00 123' LT NB RL	36"	RED CLAY W/SOME SILT	28.5	18.9	+9.6	-	77.9	39.7	19.9	19.8	A-6 (12)
B14	-	297+00 125' LT NB RL	-	RED CLAY	-	-	-	-	-	-	-	-	-
B15	S1	300+00 125' LT NB RL	60"	RED CLAY	31.1	18.9	+12.2	-	80.2	46.9	20.5	26.4	A-7-6 (16)
B16	S1	342+00 65' RT NB RL	48"	RED CLAY	15.1	15	+0.1	-	68.5	30.2	17.2	13	A-6 (7)
B17	S1	345+00 65' TR NB RL	30"	RED CLAY W/GRAVEL	29.9	18.9	+11.0	-	67.1	45.4	22.1	23.3	A-7-6 (12)

SOILS INFORMATION

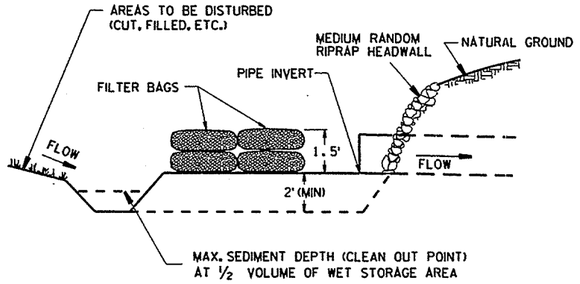
GENERAL NOTES:

SURVEY LINE MIT6 USED FOR BASELINE AND OFFSETS.

BORINGS WERE MADE JANUARY 2001

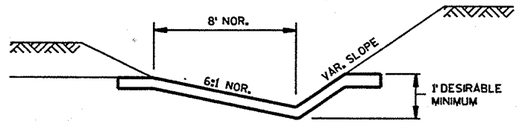
THE MOISTURE CONTENT AND WATER TABLE WILL FLUCTUATE WITH SEASONAL CONDITIONS AND RAINFALL.

BORING NUMBER	SAMPLE NUMBER	LOCATION WETLAND MITIGATION SITE MIT6 BASE LINE	SAMPLE DEPTH FROM EXISTING GROUND FT	FIELD IDENTIFICATION	FIELD MOIST %	OPTIMUM %	+/- OF OPTIMUM	WATER TABLE EST.	P-200 %	LL	PL	PI	AASHTO CLASS.
MB1	S-1	11+00 800' RT	8.0'	BROWN F-M SAND	6.1	13	-6.9	-	25.7	NP	-	-	A2-4
MB1	S-2	11+00 800' RT	13.0'	BROWN SILTY SAND	17.1	13	+4.1	-	13.7	NP	-	-	A2-4
MB2	S-1	8+00 800' RT	2.5'	REDDISH CLAY	22.5	18.9	+3.6	-	71.8	43.8	18.9	24.9	A7-6(13)
MB3	S-1	5+00 800' RT	4.0'	RED CLAY	19	15	+4.0	-	70.4	34.1	16	18.1	A6(10)
MB3	S-2	5+00 800' RT	8.0'	RED SILTY CLAY	17.8	15	+2.8	-	81.1	33.1	15.2	17.9	A6(11)
MB3	S-3	5+00 800' RT	13.0'	GREY SILT	22.3	12	+10.3	-	88.1	NP	-	-	A4(8)
MB4	S-1	2+00 800' RT	4.0'	RED CLAY TR GRAVEL	18.5	15	+3.5	-	69.8	30.9	14.9	16	A6(9)
MB4	S-2	2+00 800' RT	11.0'	RED CLAY TR GRAVEL	16.5	15	+1.5	-	69.8	31.7	14.6	17.1	A6(10)
MB5	S-1	11+00 500' RT	6.0'	REDDISH BR CLAY TR GRAVEL	19	15	+4.0	-	74.2	33.7	15.1	18.6	A6(11)
MB5	S-2	11+00 500'RT	12.0'	REDDISH BR CLAY TR GRAVEL	17.4	15	+2.4	-	70	31.8	11.7	20.1	A6(12)
MB6	S-1	8+00 500'RT	3.0'	RED CLAY	21.1	18.9	+2.2	-	76.1	46.6	19.4	27.2	A7-6(16)
MB6	S-2	8+00 500' RT	8.0'	RED CLAY TR GRAVEL	17.1	15	+2.1	-	73	28.2	15.2	13	A6(8)
MB6	S-3	8+00 500' RT	13.0'	RED CLAY TR GRAVEL	18.4	15	+3.4	-	80	33.9	14.9	19	A6(12)
MB7	S-1	5+00 500' RT	3.0'	SILTY CLAY TR GRAVEL	18.3	15	+3.3	-	66.9	26.8	19.7	7.1	A4(6)
MB7	S-2	5+00 500' RT	7.0'	SILTY CLAY TR GRAVEL	17.8	15	+2.8	-	77.1	31.7	14.2	17.5	A6(11)
MB8	S-1	2+00 500' RT	2.0'	SILTY SAND & GRAVEL	19.9	12	+7.9	-	70.3	NP	-	-	A4(7)
MB8	S-2	2+00 500' RT	3.0'	RED CLAY	36.1	25.8	+10.3	-	92.9	73.1	26.7	46.4	A7-6(20)
MB9	S-1	11+00 200' RT	3.0'	GREY MOTTLE CLAY	31.5	25.8	+5.7	-	98.8	70.4	24.9	45.5	A7-6(20)
MB9	S-2	11+00 200' RT	7.0'	RED BR SANDY CLAY	15.5	15	+0.5	-	58.7	17.8	12.3	5.5	A4(5)
MB10	S-1	8+00 200' RT	3.0'	RED CLAY	37	25.8	+11.2	-	95.4	65.9	25.5	40.4	A7-6(20)
MB10	S-2	8+00 200' RT	6.5'	RED CLAY	27.4	18.9	+8.5	-	100	48.9	21.6	27.3	A7-6(17)
MB11	S-1	5+00 200' RT	3.0'	RED CLAY	33.8	25.8	+8.0	-	96	66.6	23.7	42.9	A7-6(20)
MB12	S-1	2+00 200' RT	3.0'	GREY CLAY	27.6	25.8	+1.8	-	96.9	68.8	22.7	46.1	A7-6(20)
MB13	S-1	11+00 100' LT	3.0'	RED CLAY	28.9	18.9	+10.0	-	92.6	52.4	17.8	34.6	A7-6(18)
MB13	S-2	11+00 100' LT	6.0"	GREY CLAY	42.6	25.8	+20.8	-	98	67.6	28.3	39.4	A7-6(20)
MB14	S-1	8+00 100' LT	3.0'	RED CLAY	28.5	25.8	+2.7	-	97.9	70.7	35.2	35.5	A7-6(20)
MB14	S-2	8+00 100' LT	9.0'	REDDISH BR CLAYEY SILT	19.4	15	+4.4	-	88.6	23.8	13.6	10.2	A4(8)
MB15	S-1	5+00 100" LT	3.0'	RED CLAY	41.2	15	+26.2	-	95.5	32.7	16	16.7	A6(10)
MB16	S-1	5+00 100' LT	2.0'	RED CLAY	41.4	25.8	+15.6	-	97.2	74.6	27.8	46.8	A7-6(20)

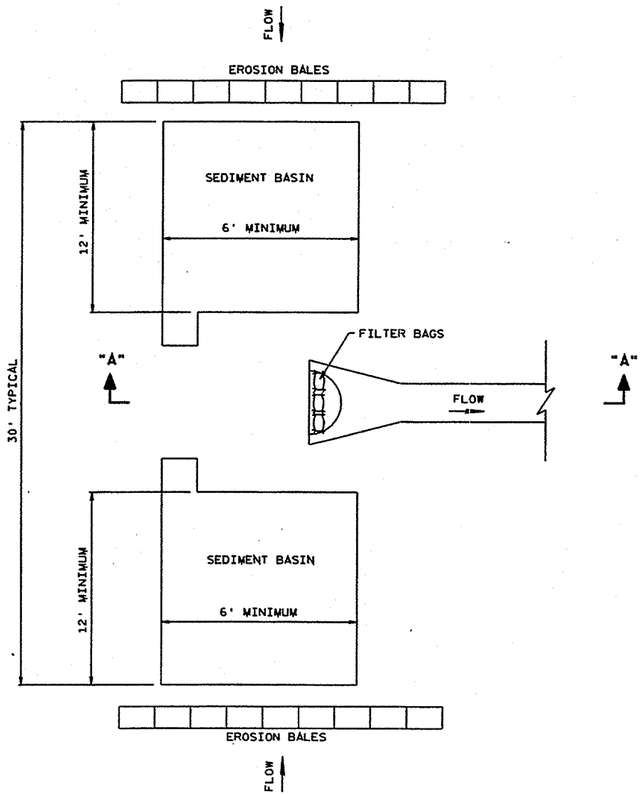


CULVERT INLET SEDIMENT TRAP

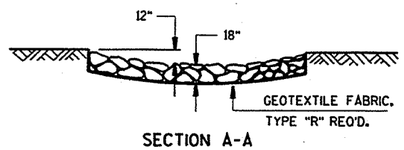
SECTION A-A



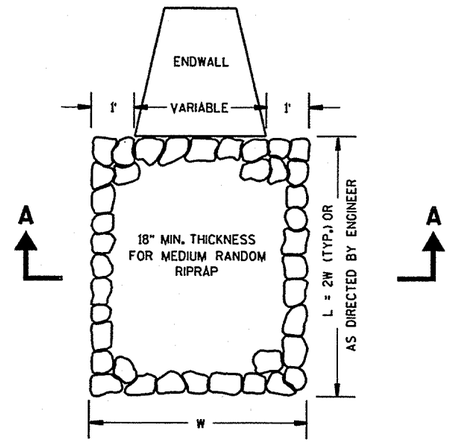
EROSION MAT DETAIL FOR DITCHES



CULVERT INLET SEDIMENT TRAP



SECTION A-A



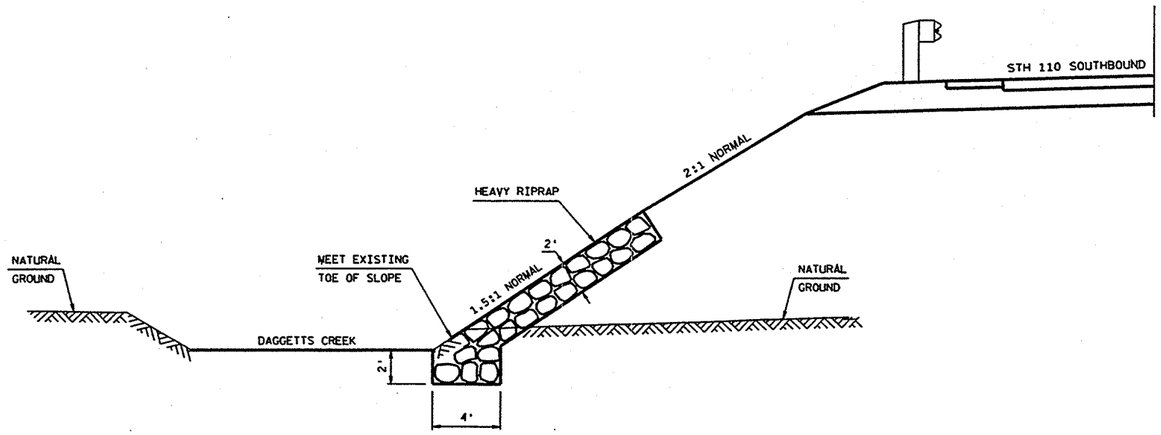
MEDIUM RANDOM RIPRAP TREATMENT AT CULVERTS

STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	CONSTRUCTION DETAILS	SCALE, FEET 0 100 200	SHEET NO: 2.13	E

FILE NAME : F:±d3_620005±206.dgn PLOT DATE: 27-NOV-2001 12:54 ORG DATE : 4-3-01 PLOT NAME : 206ld Originator : DISTRICT 3 PLOT SCALE : 200.700000:1.000000

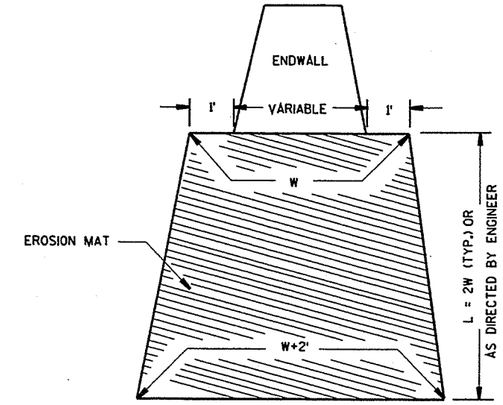
WISDOT/CADDS SHEET 42

LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

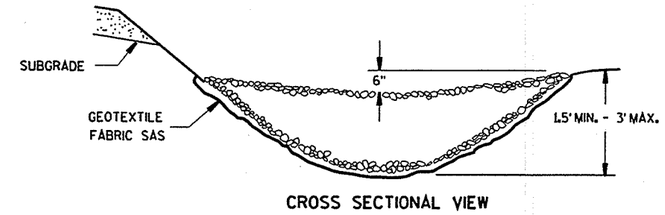


EMBANKMENT DETAIL NEAR DAGGETTS CREEK

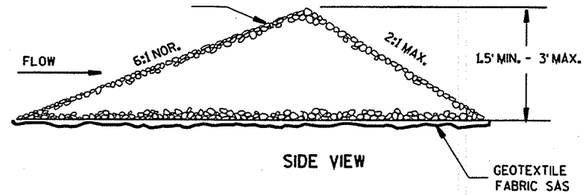
STA 278+40 - STA 279+10



EROSION MAT TREATMENT AT CULVERTS

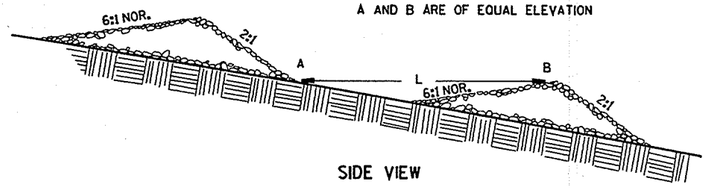


CROSS SECTIONAL VIEW



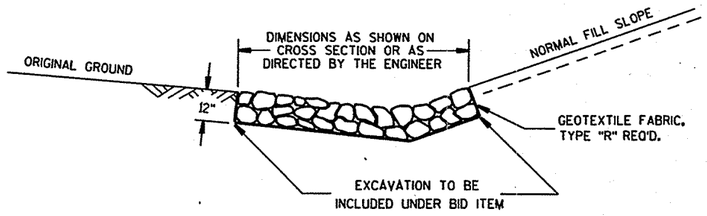
SIDE VIEW

L = THE DISTANCE SUCH THAT POINTS A AND B ARE OF EQUAL ELEVATION



SIDE VIEW

STONE OR ROCK DITCH CHECKS



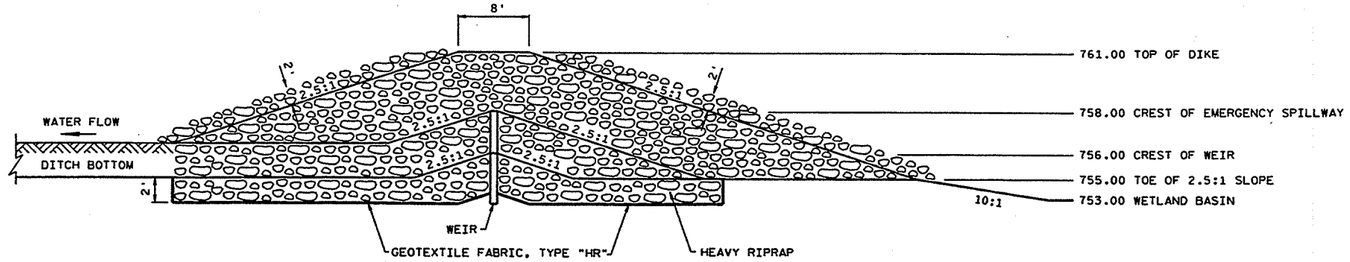
DETAIL FOR RIPRAP IN DITCHES

STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	CONSTRUCTION DETAILS	SCALE. FEET 0 100 200	SHEET NO: 2.14	E

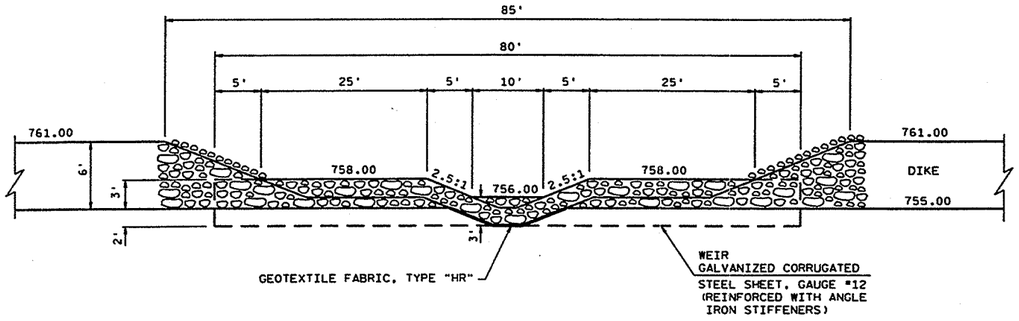
FILE NAME : F:±d3_620005±206.dgn PLOT DATE: 27-NOV-2001 12:54 ORG DATE : 4-3-01 PLOT NAME : 206md Originator : DISTRICT 3 PLOT SCALE : 200.700000:1.000000

WISDOT/CADDS SHEET 42

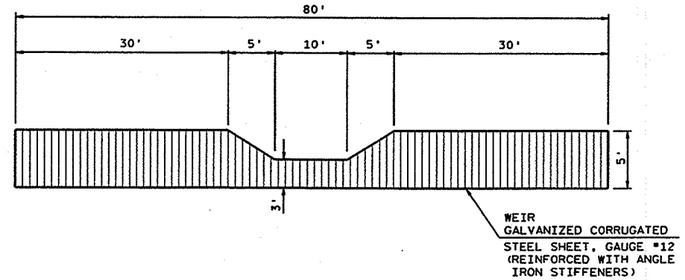
LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63



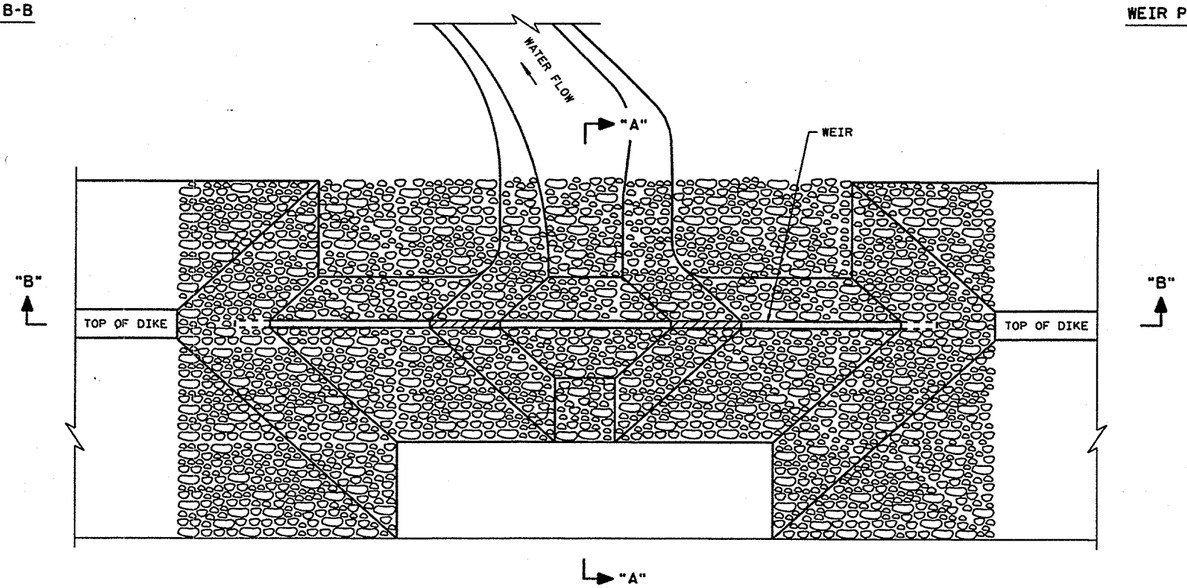
SECTION A-A



SECTION B-B



WEIR PLATE



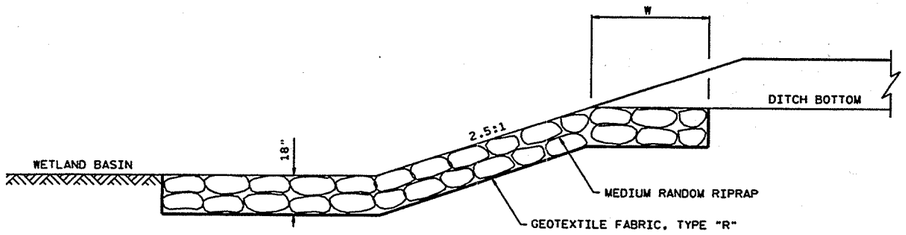
TOP VIEW

WEIR DETAIL FOR WETLAND MITIGATION SITE

STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	CONSTRUCTION DETAILS	SCALE, FEET 0 100 200	SHEET NO: 2.15	E

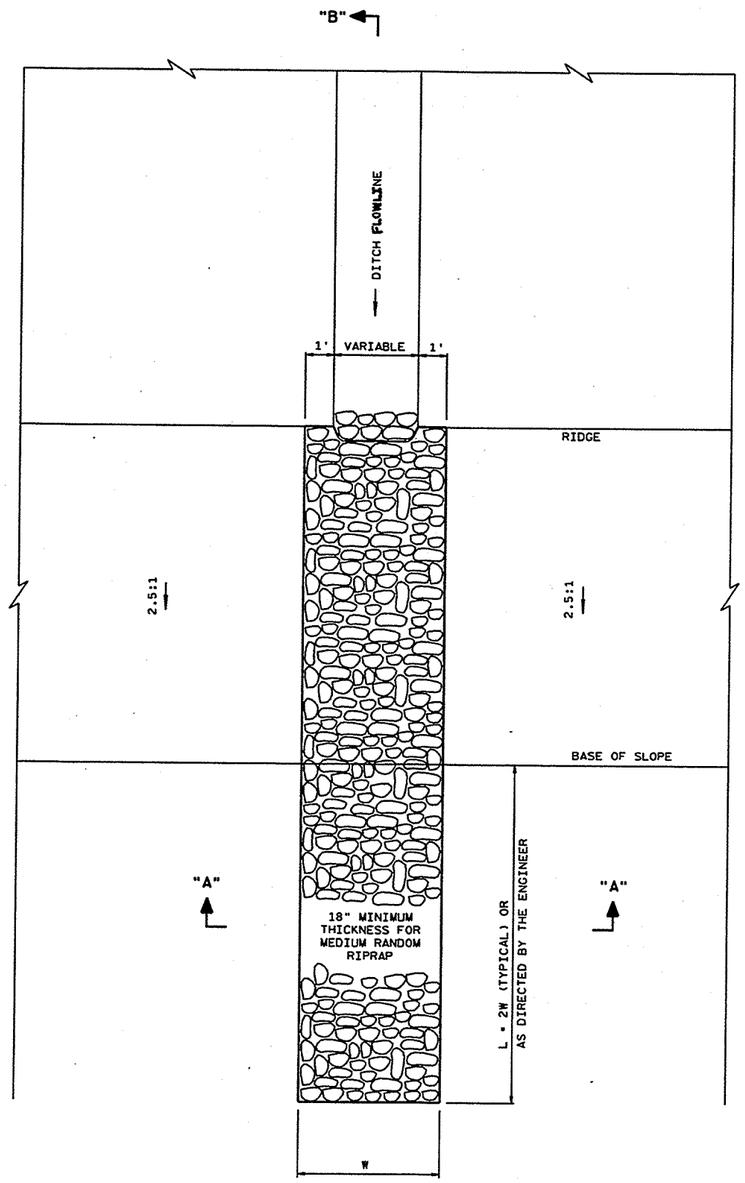
FILE NAME : F:±d3_620005±206.dgn PLOT DATE: 29-NOV-2001 08:31 ORG DATE : 3-26-01 PLOT NAME : 206kd Originator : DISTRICT 3 PLOT SCALE : 200.606061:1.000000

WISDOT/CADDS SHEET 42



SECTION B-B

SECTION A-A



TOP VIEW

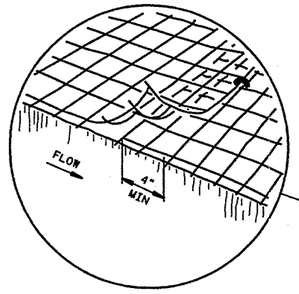
INLET DETAIL FOR WETLAND MITIGATION SITE

STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	CONSTRUCTION DETAILS	SCALE, FEET 0 100 200	SHEET NO: 2.16	E

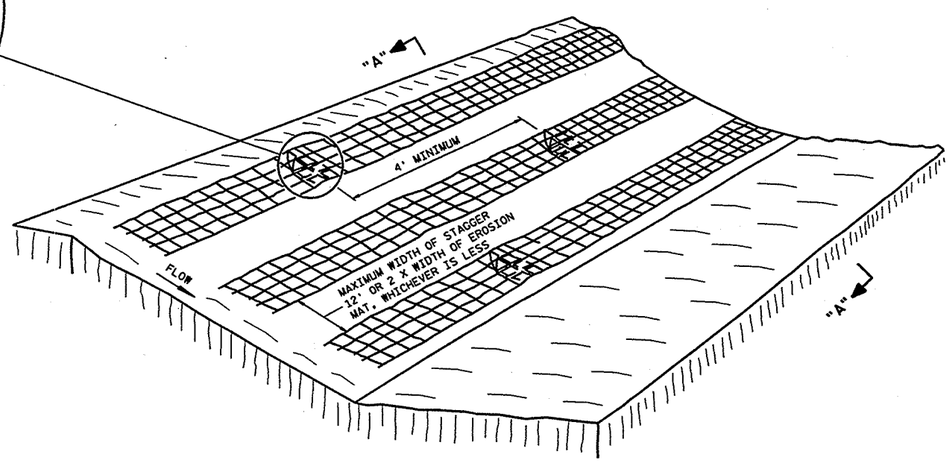
FILE NAME : F:±d3_620005±206.dgn PLOT DATE: 21-JUN-2001 14:00 ORG DATE : 3-26-01 PLOT NAME : 206jd Originator : DISTRICT 3 PLOT SCALE : 200.606061:1.000000

WISDOT/CADDS SHEET 42

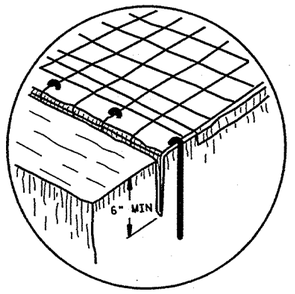
LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63



LAP JOINT

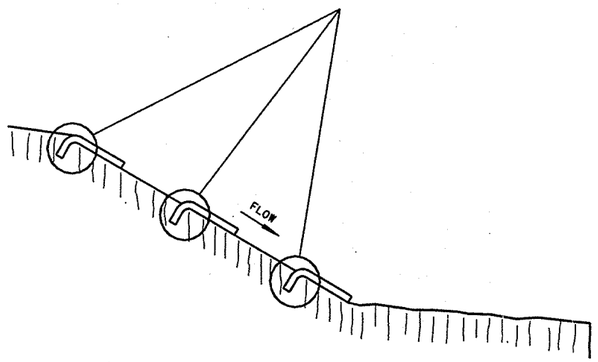


PERSPECTIVE

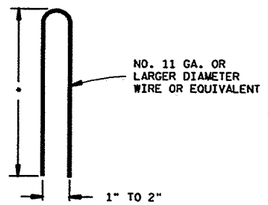


ANCHOR SLOT

AT UPPER MOST EDGE OF EROSION MAT
EMBEDDED IN THE SLOPE



SECTION A-A



DETAIL OF
TYPICAL STAPLE

* 6" MIN. FOR FIRM SOILS
12" MIN. FOR LOOSE SOILS
8" MIN. WHERE BOTH SOD AND MATS ARE USED

GENERAL NOTES

INSTALLATION IS TO BE USED ONLY IN DESIGNATED AREAS AS DIRECTED BY THE ENGINEER.

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS.

EROSION MAT SHALL BE LAID TRANSVERSELY TO THE DIRECTION OF THE WATER FLOW.

DIMENSIONS SHALL BE ADJUSTED TO FIT THE SITE CONDITIONS AS DIRECTED BY THE ENGINEER.

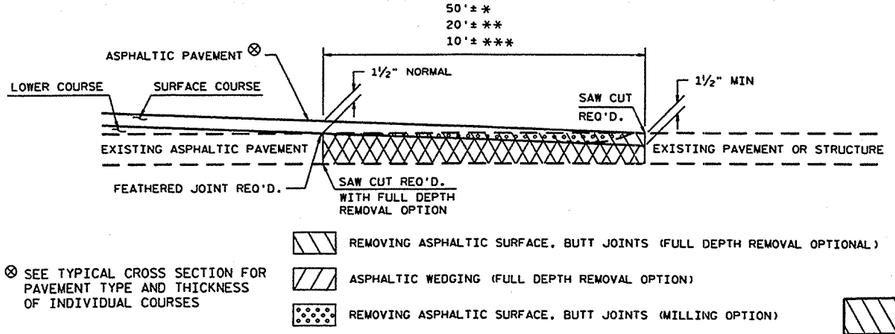
TYPE AND CLASS OF EROSION MAT USED SHALL BE IN ACCORDANCE WITH THE PLANS OR AS DIRECTED BY THE ENGINEER.

EDGES OF THE EROSION MAT SHALL BE IMPRESSED IN THE SOIL.

LAP JOINTS ON ADJACENT STRIPS OF MATTING SHALL BE STAGGERED A MINIMUM OF 4 FEET APART.

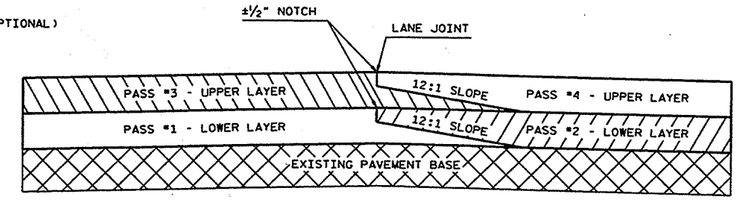
DETAIL FOR STAGGERED EROSION MAT INSTALLATION FOR LARGE SLOPE COVERAGE

STATE PROJECT NUMBER:6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	CONSTRUCTION DETAILS	SCALE: FEET 0	SHEET NO: 2.17	E



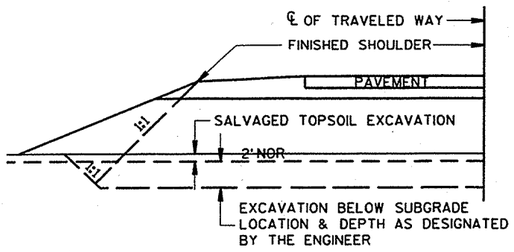
BUTT JOINT DETAIL FOR NON-MILLED ASPHALTIC PAVEMENTS

* MAINLINE
** SIDEROADS
*** PRIVATE ENTRANCES

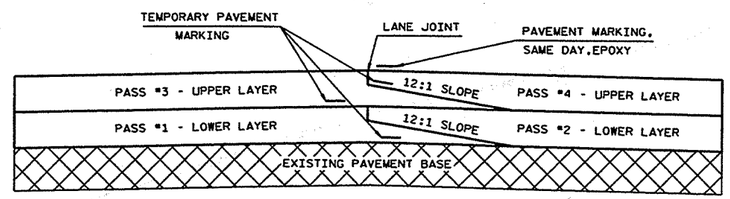


LOWER AND UPPER LAYERS

TYPICAL PAVEMENT CROSS SECTION OF TAPERED AND NOTCHED LONGITUDINAL JOINTS

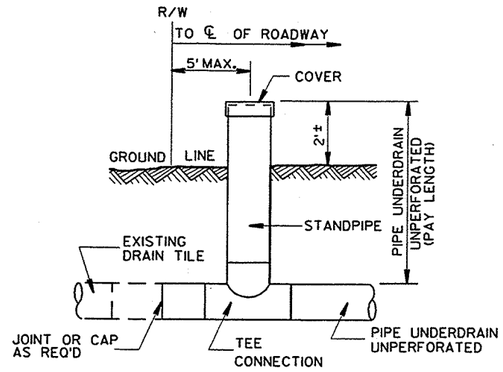


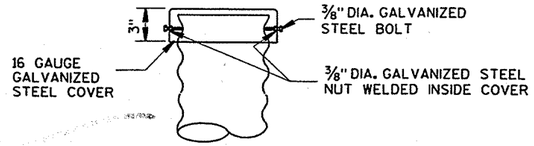
DETAIL FOR EXCAVATION BELOW SUBGRADE



LOWER AND UPPER LAYERS

PAVEMENT MARKING DETAIL FOR TAPERED OVERLAPPING JOINTS IN ASPHALTIC PAVEMENTS

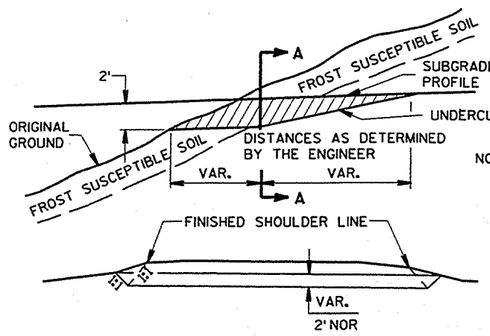




NOTE: THE COST OF FURNISHING AND INSTALLING THE CONNECTION TO THE UNDERDRAIN AND THE COVER SHALL BE CONSIDERED INCIDENTAL TO THE ITEM PIPE UNDERDRAIN, UNPERFORATED.

INSPECTION STANDPIPE AIR VENT DETAIL

FOR FIELD TILE



SECTION A-A

CROSS SECTION SHOWING UNDERCUT

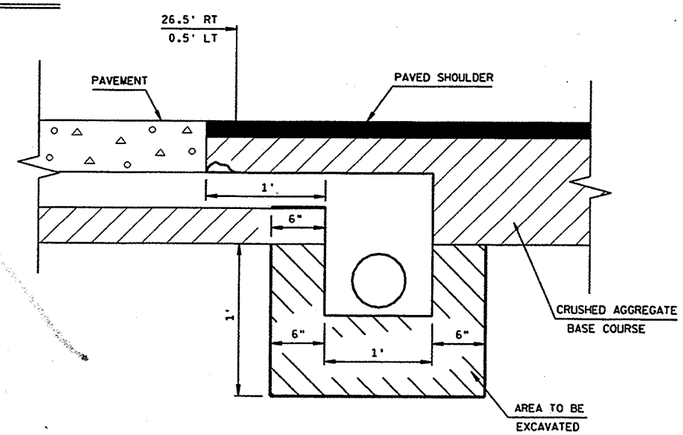
DETAIL FOR EXCAVATION BELOW SUBGRADE AT CUTS

NOTE: EXACT LOCATIONS AND EXTENT OF E.B.S. SECTIONS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

E.B.S. AREA TO BE BACKFILLED WITH MATERIAL ACCEPTABLE TO THE ENGINEER

BACKFILL MUST BE HOMOGENEOUS WITH ADJOINING FILL MATERIAL.

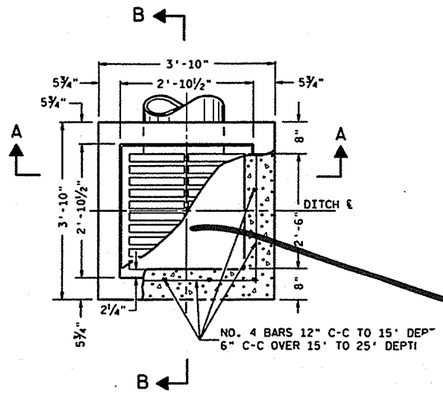
THE FILL SECTION WITHIN 100' OF THE MOUTH OF THE CUT MUST BE KEPT 2' BELOW SUBGRADE UNTIL E.B.S. IS COMPLETED.



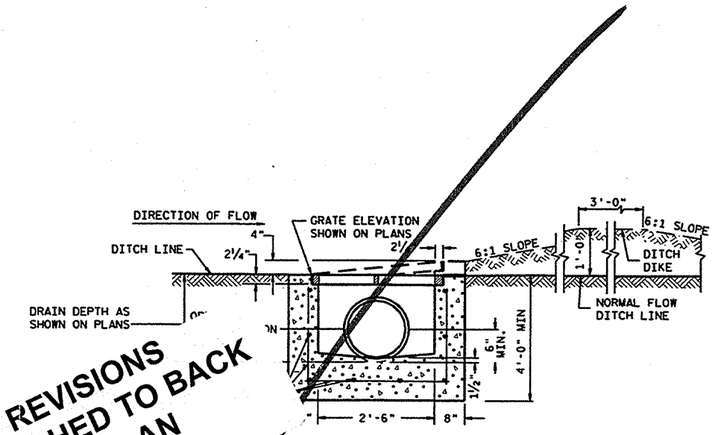
ROCK EXCAVATION FOR STORMSEWER

STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	CONSTRUCTION DETAILS	SCALE, FEET	SHEET NO: 2.18	E

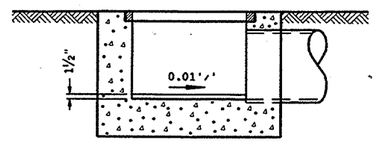
LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63
FILE NAME : F:±d3_620005±206.dgn PLOT DATE: 18-SEP-2001 08:32 ORG DATE : 6/27/01 PLOT NAME : 200hd Originator : DISTRICT 3 -- JD PLOT SCALE : 200.606061:1.000000



PLAN VIEW



SECTION A-A



SECTION B-B

REVISIONS ATTACHED TO BACK OF PLAN

REINFORCED CONCRETE INLET TYPE 8, SPECIAL

GENERAL NOTES

DETAILS OF CONSTRUCTION. MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

PRECAST REINFORCED CONCRETE INLET UNITS. IF USED, SHALL CONFORM TO THE REQUIREMENTS OF THE CATCH BASINS, MANHOLES AND INLETS SECTION OF THE STANDARD SPECIFICATIONS. UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A CORRECTED LIST OF SIZES IS FURNISHED BY THE ENGINEER.

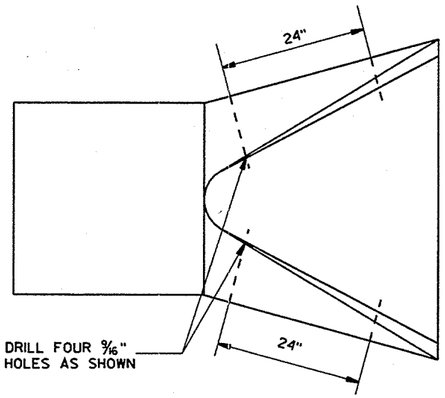
ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

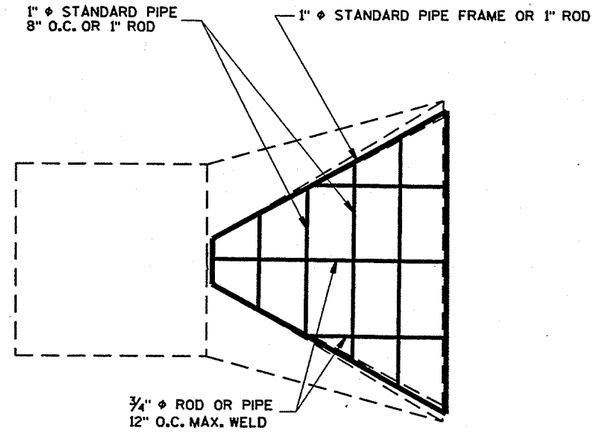
STATE PROJECT NUMBER:6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	CONSTRUCTION DETAILS	SCALE. FEET 0	SHEET NO: 2.19	E

FILE NAME : F:±d3_620005±238.dgn PLOT DATE: 29-JUN-2001 09:00 ORG DATE : 6-6-01 PLOT NAME : 238 Originator : DISTRICT 3 PLOT SCALE : 200.700000:1.000000

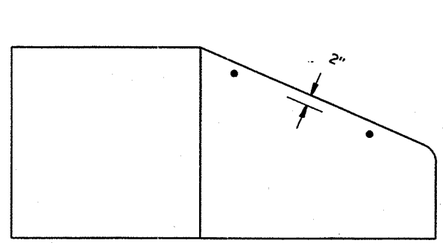
WISDOT/CADDS SHEET 42

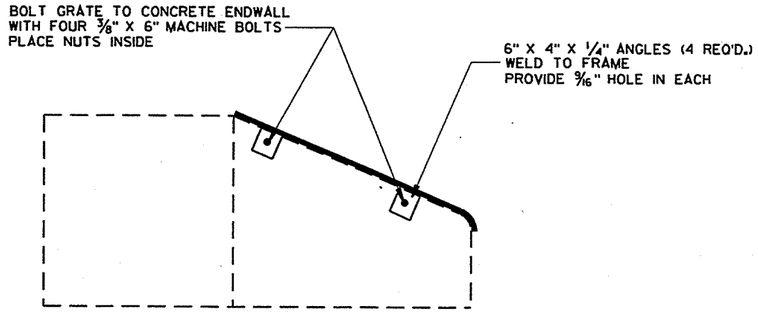
LEVELS ON : 1,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

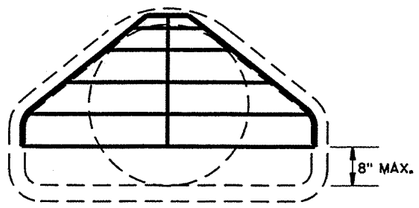




AT EACH PIPE







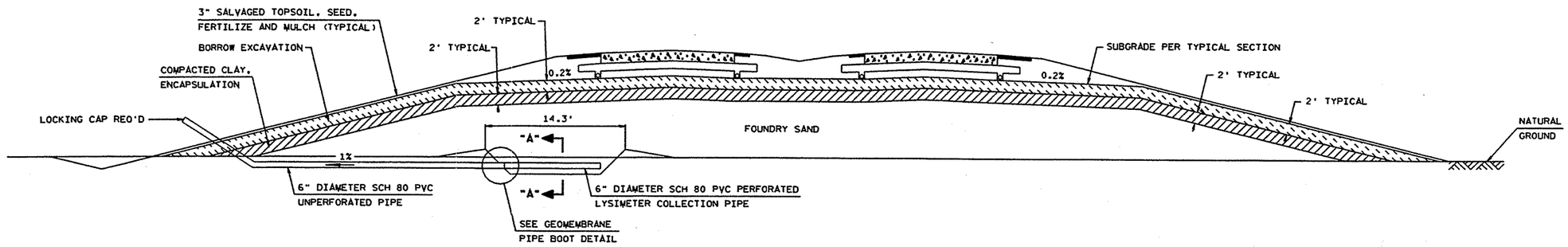
PIPE GRATE DETAIL

STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	CONSTRUCTION DETAILS	SCALE. FEET 0 100 200	SHEET NO: 2.20	E

FILE NAME : F:±d3_620005±206.dgn PLOT DATE: 16-MAY-2001 13:39 ORG DATE : 5-10-01 PLOT NAME : 206nd Originator : DISTRICT 3 PLOT SCALE : 200.700000:1.000000

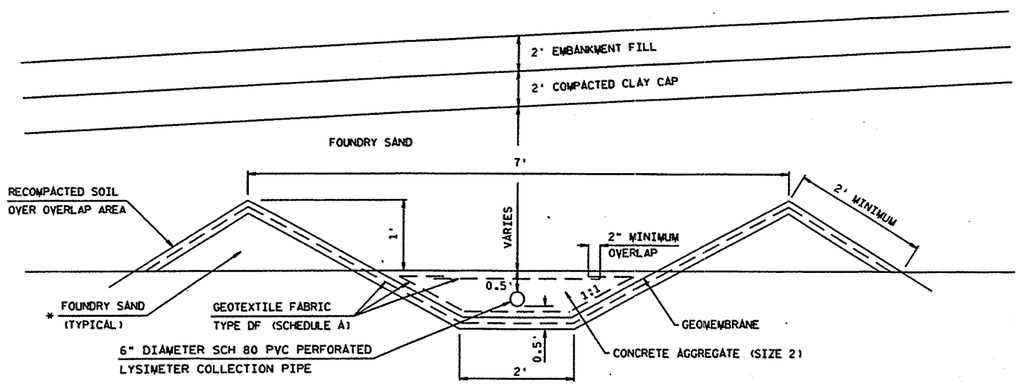
WISDOT/CADDS SHEET 42

LEVELS ON - 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63



TYPICAL CROSS SECTION FOR FOUNDRY SAND PLACEMENT

STA 181+70 - STA 196+00 (STH 110)
LYSIMETER AT STA 188+50

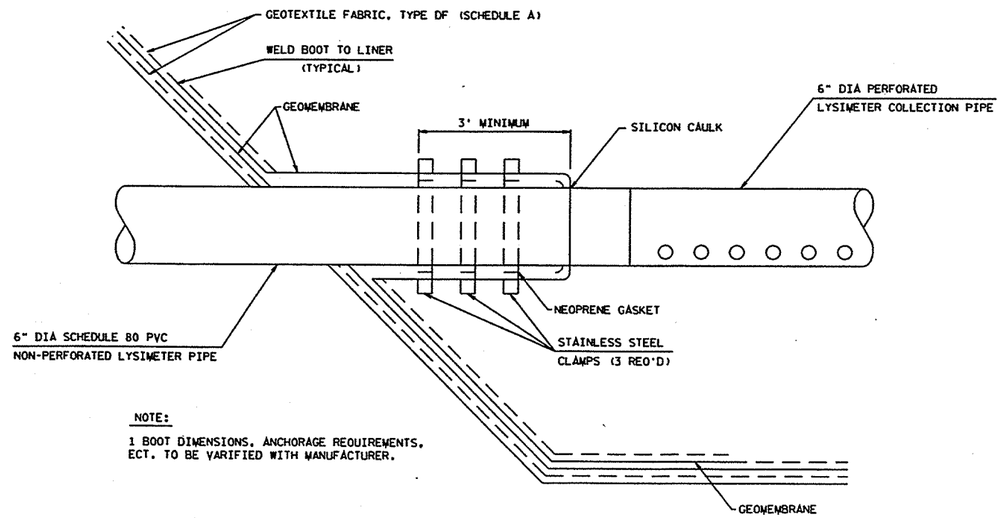


* FOUNDRY SAND "HAULING" AND "PLACEMENT" PAID FOR UNDER SEPARATE ITEMS

NOTE:
WATER COLLECTION AREA OF LYSIMETER SHALL NOT EXCEED 100 SQ.FT

TYPICAL SECTION THRU LYSIMETER BELOW FOUNDRY SAND STRUCTURAL FILL

(SECTION A-A)

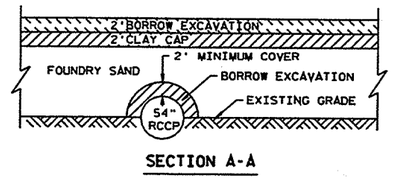


NOTE:
1 BOOT DIMENSIONS, ANCHORAGE REQUIREMENTS, ECT. TO BE VARIFIED WITH MANUFACTURER.

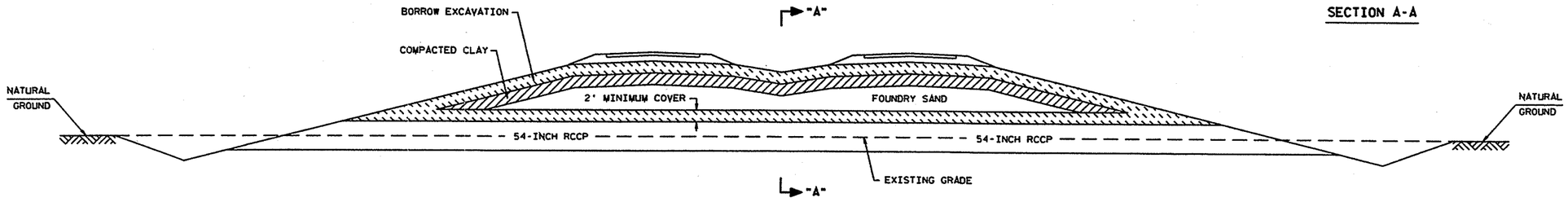
TYPICAL GEOMEMBRANE PIPE BOOT DETAIL

STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	CONSTRUCTION DETAILS	SCALE. FEET 0 100 200	SHEET NO: 2.21	E

FILE NAME : F:±d3_620005±206.dgn PLOT DATE: 27-NOV-2001 12:54 ORG DATE : 5-10-01 PLOT NAME : 206od Originator : DISTRICT 3 PLOT SCALE : 200.700000:1.000000
WISDOT/CADDS SHEET 42
LEVELS ON - 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

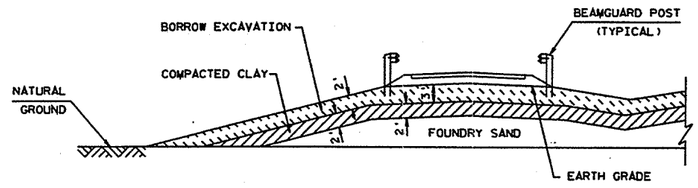


SECTION A-A



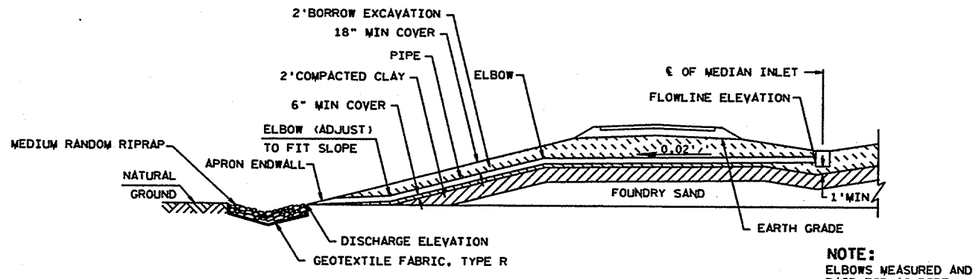
TYPICAL CROSS SECTION FOR COVER ON CROSSOVER PIPE

STA 188+00



TYPICAL CROSS SECTION FOR COVER ON CLAY CAP FOR STH 110 SB LANE

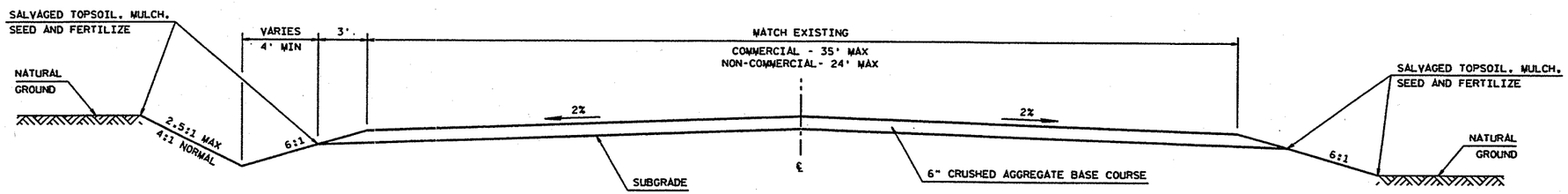
STA 181+70 TO 183+00



NOTE:
ELBOWS MEASURED AND PAID FOR AS PIPE

MEDIAN INLET TO DITCH BOTTOM WITH ELBOWS

STA 189+50



IN CUT

IN FILL

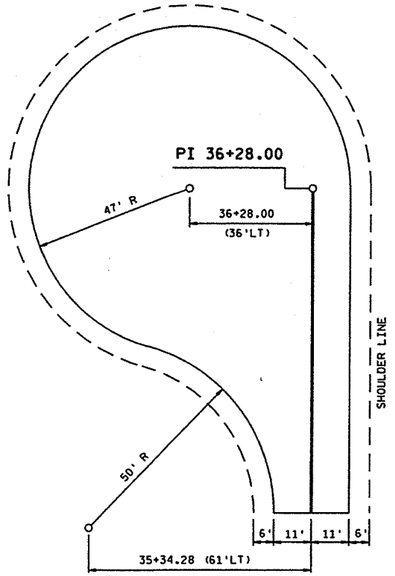
TYPICAL CROSS SECTION FOR
PRIVATE DRIVES AND FIELD ENTRANCES

STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	CONSTRUCTION DETAILS	SCALE, FEET 0 100 200	SHEET NO: 2.22	E

FILE NAME : F:±d3_620005±206.dgn PLOT DATE: 12-SEP-2001 10:52 ORG DATE : 7-11-01 PLOT NAME : 206sd Originator : DISTRICT 3 PLOT SCALE : 200.700000:1.000000

WISDOT/CADDS SHEET 42

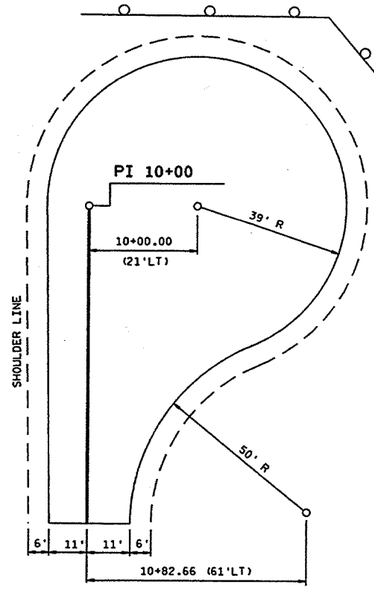
LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63



CUL-DE-SAC AT SHAMMY LANE

NOTE:

SEE PROPOSED TYPICAL CROSS SECTION FOR APPLICABLE PAVEMENT STRUCTURE.

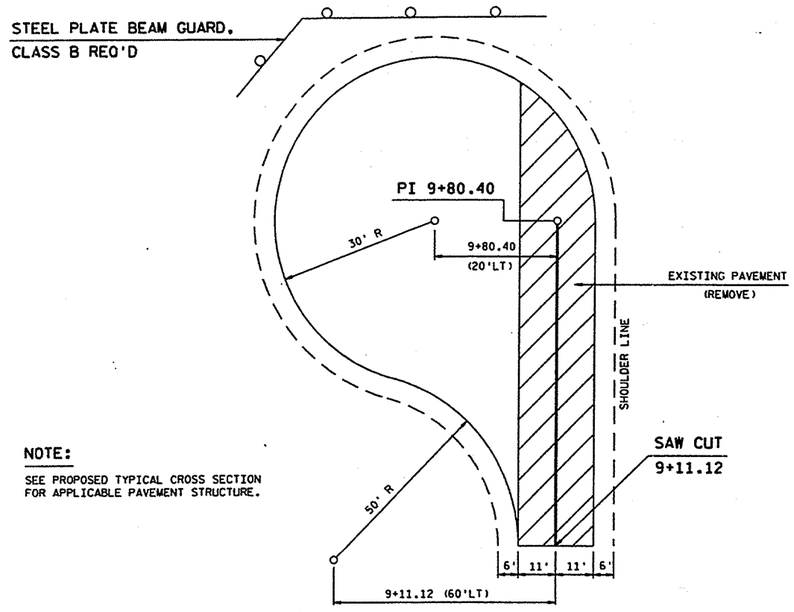


STEEL PLATE BEAM GUARD.
CLASS B REQ'D

CUL-DE-SAC AT SPIEGELBERG ROAD

NOTE:

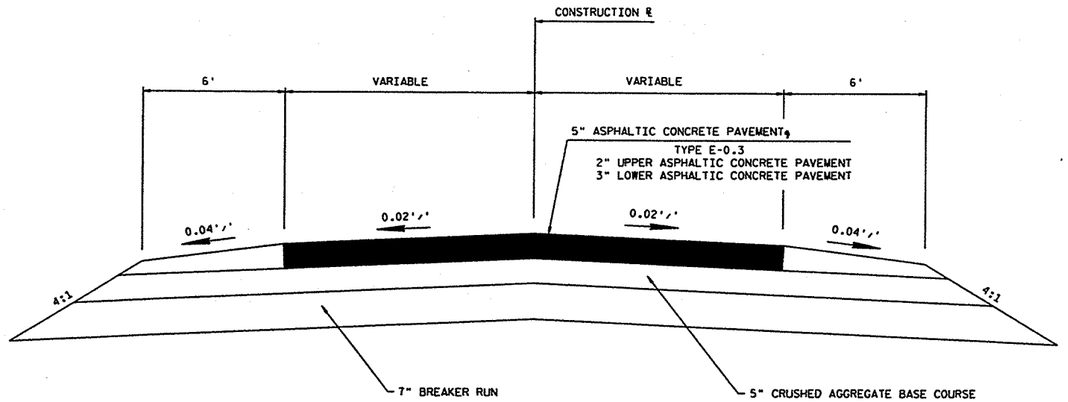
SEE PROPOSED TYPICAL CROSS SECTION FOR APPLICABLE PAVEMENT STRUCTURE.



CUL-DE-SAC AT LUEBKE ROAD

NOTE:

SEE PROPOSED TYPICAL CROSS SECTION FOR APPLICABLE PAVEMENT STRUCTURE.



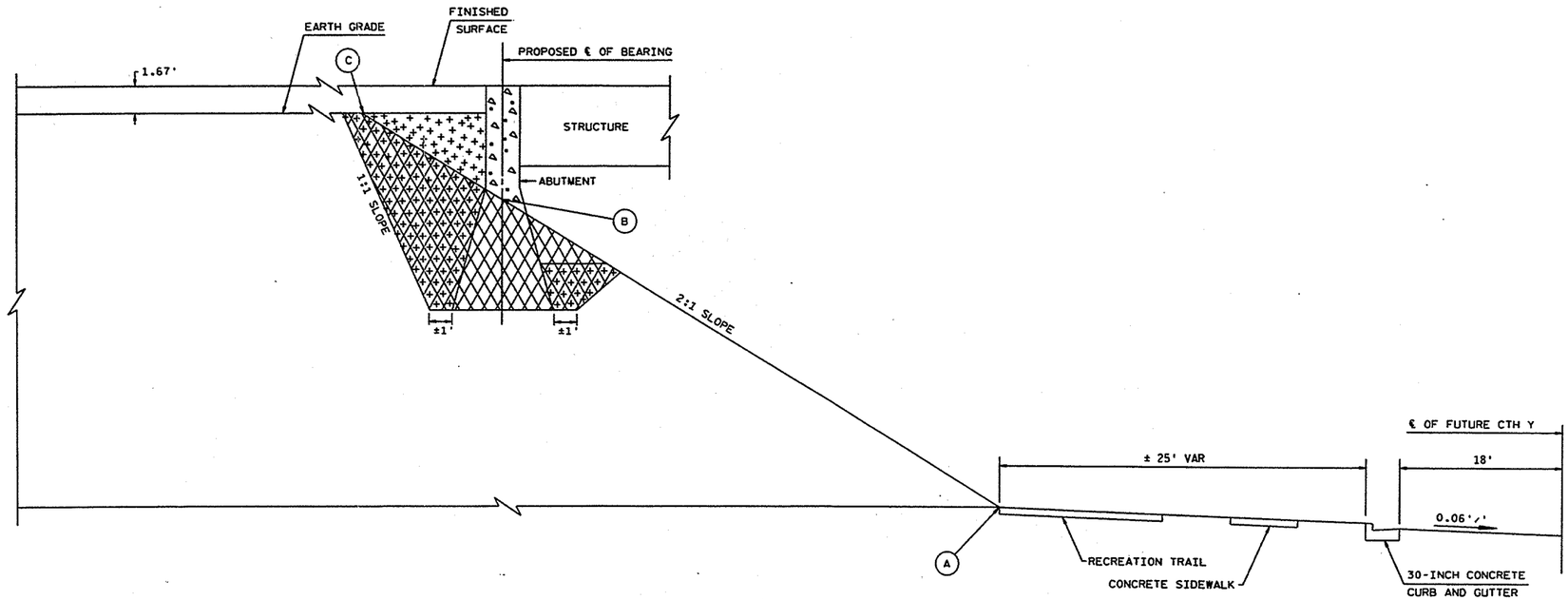
TYPICAL CROSS SECTION FOR SHAMMY LANE, SPIEGELBERG ROAD AND LUEBKE ROAD

STATE PROJECT NUMBER:6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	CONSTRUCTION DETAILS	SCALE. FEET 0	SHEET NO: 2.23	E

LEVELS ON * 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

FILE NAME : F:±d3_620005±237.dgn PLOT DATE: 12-SEP-2001 11:40 ORG DATE : 6-6-01 PLOT NAME : 237 Originator : DISTRICT 3 PLOT SCALE : 200.700000:1.000000

WISDOT/CADDS SHEET 42



		(A)	(B)	(C)
B-70-215 NORTH ABUTMENT	STATION	179+50.50	179+79.42	179+91.20
	ELEVATION	782.40	796.90	802+80
B-70-216 NORTH ABUTMENT	STATION	179+44.90	179+73.42	179+85.50
	ELEVATION	782.40	796.60	802.60

LONGITUDINAL SECTION FOR NORTH ABUTMENT AT STH 110 OVER CTH Y

COMMON EXCAVATION OR BORROW FILL (BY GRADING CONTRACTOR)

EXCAVATION FOR STRUCTURE REQ'D (BY BRIDGE CONTRACTOR)

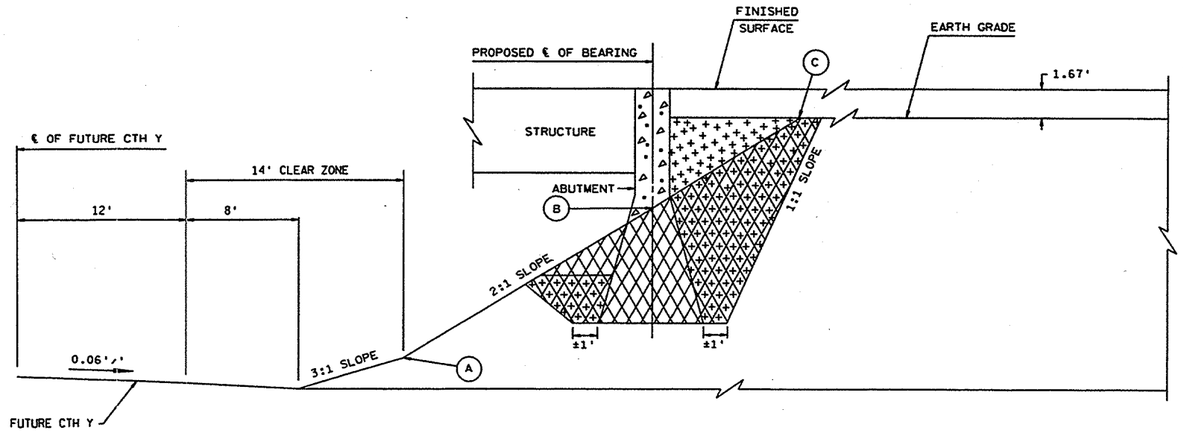
BACKFILL PLACED BY BRIDGE CONTRACTOR

LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	CONSTRUCTION DETAILS	SCALE, FEET 0 100 200	SHEET NO: 2.24	E

FILE NAME : F:±d3_620005±206.dgn PLOT DATE: 10-JUL-2001 07:21 ORG DATE : 11-8-00 PLOT NAME : 206qd Originator : DISTRICT 3 PLOT SCALE : 200.606061:1.000000

WISDOT/CADDS SHEET 42



		(A)	(B)	(C)
B-70-215 SOUTH ABUTMENT	STATION	178+74.50	178+41.42	178+30.60
	ELEVATION	780.80	796.10	801.70
B-70-216 SOUTH ABUTMENT	STATION	178+59.00	178+27.42	178+15.70
	ELEVATION	780.70	796.50	801.70

LONGITUDINAL SECTION FOR SOUTH ABUTMENT AT STH 110 OVER CTH Y

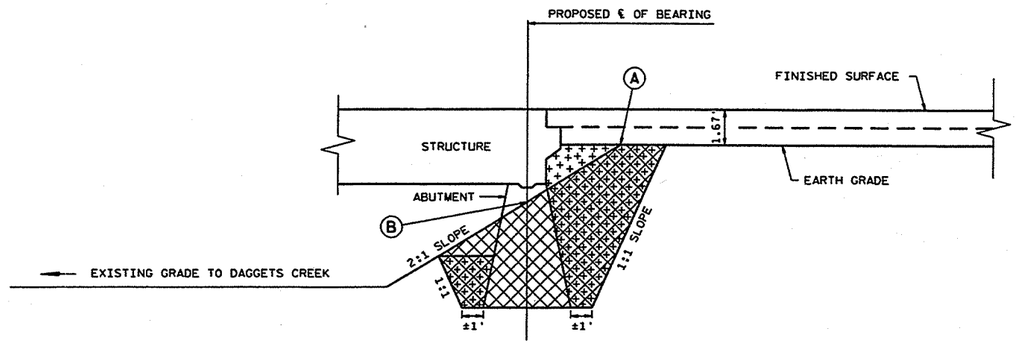
COMMON EXCAVATION OR BORROW FILL (BY GRADING CONTRACTOR)

EXCAVATION FOR STRUCTURE REQ'D (BY BRIDGE CONTRACTOR)

BACKFILL PLACED BY BRIDGE CONTRACTOR

STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	CONSTRUCTION DETAILS	SCALE, FEET 0 100 200	SHEET NO: 2.25	E

FILE NAME : F:±d3_620005±206.dgn PLOT DATE: 10-JUL-2001 07:21 ORG DATE : 10-26-00 PLOT NAME : 206pd Originator : DISTRICT 3 PLOT SCALE : 200.606061:1.000000
WISDOT/CADDS SHEET 42



		(A)	(B)
B-70-218 EAST ABUTMENT	STATION	282+04.75	282+09.75
	ELEVATION	765.80	763.30
B-70-219 EAST ABUTMENT	STATION	282+48.95	282+51.75
	ELEVATION	765.40	764.00

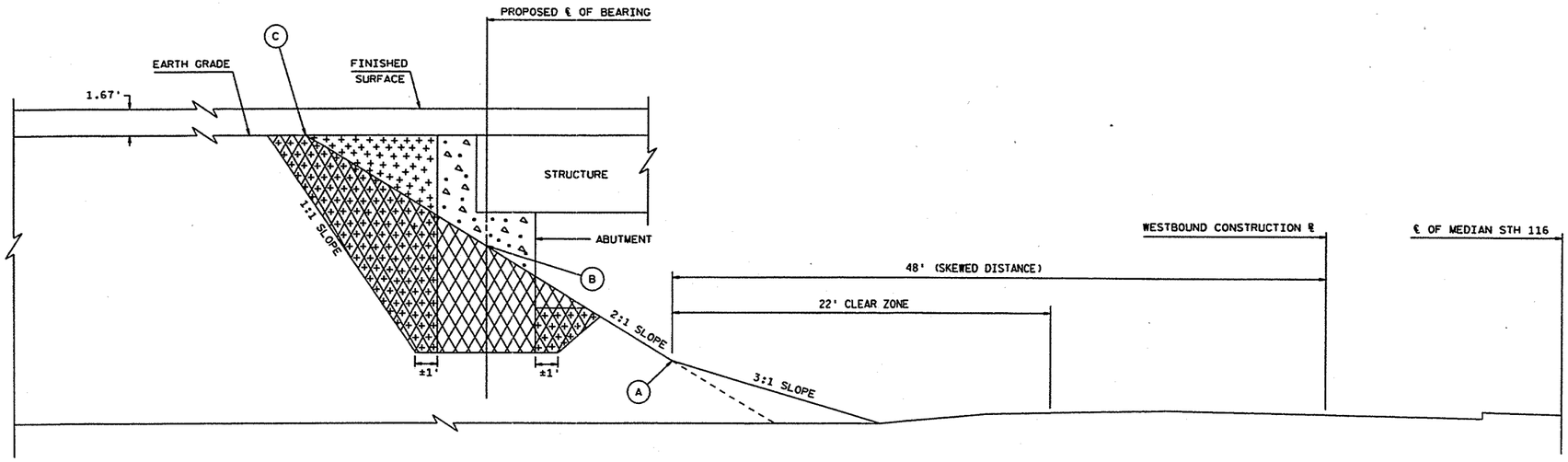
LONGITUDINAL SECTION FOR EAST ABUTMENT AT STH 110 OVER DAGGETS CREEK

COMMON EXCAVATION OR BORROW FILL (BY GRADING CONTRACTOR)

EXCAVATION FOR STRUCTURE REQ'D (BY BRIDGE CONTRACTOR)

BACKFILL PLACED BY BRIDGE CONTRACTOR

STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	CONSTRUCTION DETAILS	SCALE, FEET 0 100 200	SHEET NO: 2.26	E



		Ⓐ	Ⓑ	Ⓒ
B-70-221 NORTH ABUTMENT	STATION	375+80.50	376+16.90	376+25.70
	ELEVATION	777.70	795.90	800.30
B-70-222 NORTH ABUTMENT	STATION	374+92.50	375+29.00	375+40.90
	ELEVATION	775.80	794.00	799.90

LONGITUDINAL SECTION FOR NORTH ABUTMENT AT STH 110 OVER STH 116

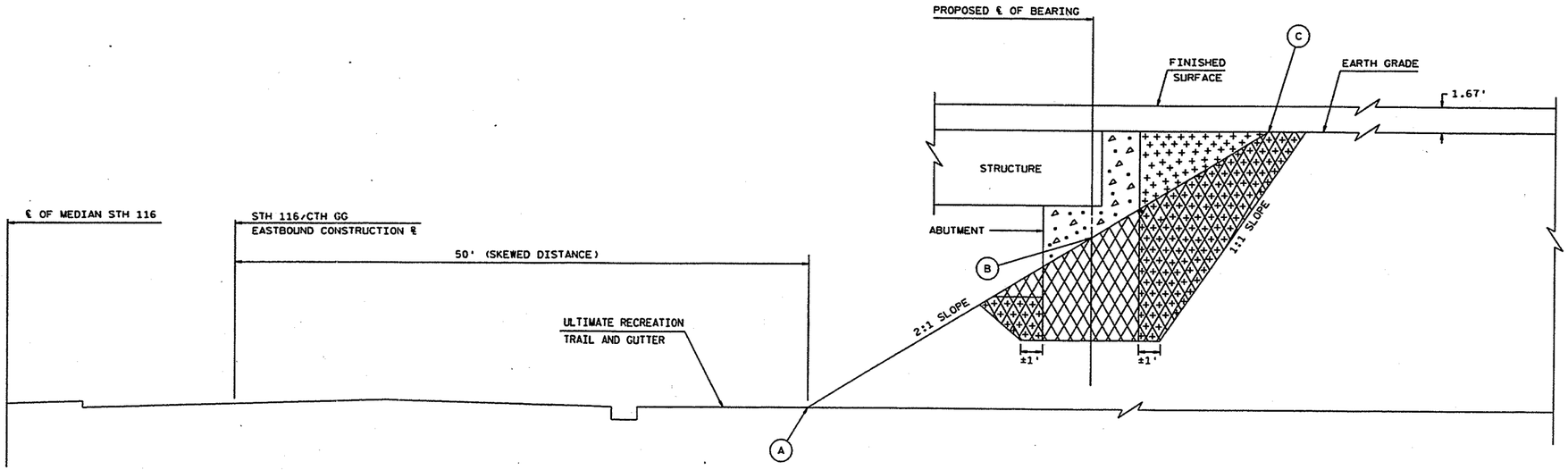
COMMON EXCAVATION OR BORROW FILL (BY GRADING CONTRACTOR)

EXCAVATION FOR STRUCTURE REQ'D (BY BRIDGE CONTRACTOR)

BACKFILL PLACED BY BRIDGE CONTRACTOR

STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	CONSTRUCTION DETAILS	SCALE, FEET 0 100 200	SHEET NO: 2.27	E

FILE NAME : F:±d3_620005±206.dgn PLOT DATE: 10-JUL-2001 07:21 ORG DATE : 11-9-00 PLOT NAME : 206id Originator : DISTRICT 3 PLOT SCALE : 200.606061:1.000000
WISDOT/CADDS SHEET 42



		(A)	(B)	(C)
B-70-221 SOUTH ABUTMENT	STATION	374+44.00	374+09.20	374+00.30
	ELEVATION	774.90	792.60	797.00
B-70-222 SOUTH ABUTMENT	STATION	373+56.00	373+20.90	373+08.90
	ELEVATION	773.20	790.70	796.70

LONGITUDINAL SECTION FOR SOUTH ABUTMENT AT STH 110 OVER STH 116

COMMON EXCAVATION OR BORROW FILL (BY GRADING CONTRACTOR)

EXCAVATION FOR STRUCTURE REQ'D (BY BRIDGE CONTRACTOR)

BACKFILL PLACED BY BRIDGE CONTRACTOR

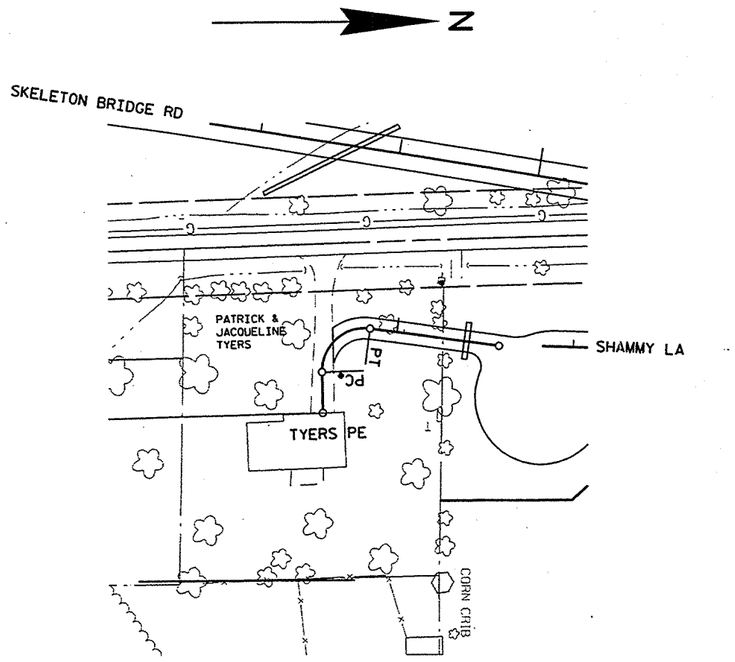
STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	CONSTRUCTION DETAILS	SCALE, FEET 0 100 200	SHEET NO: 2.28	E

FILE NAME : F:±d3_620005±206.dgn PLOT DATE: 10-JUL-2001 07:21 ORG DATE : 11-9-00 PLOT NAME : 206hd Originator : DISTRICT 3 PLOT SCALE : 200.606061:1.000000

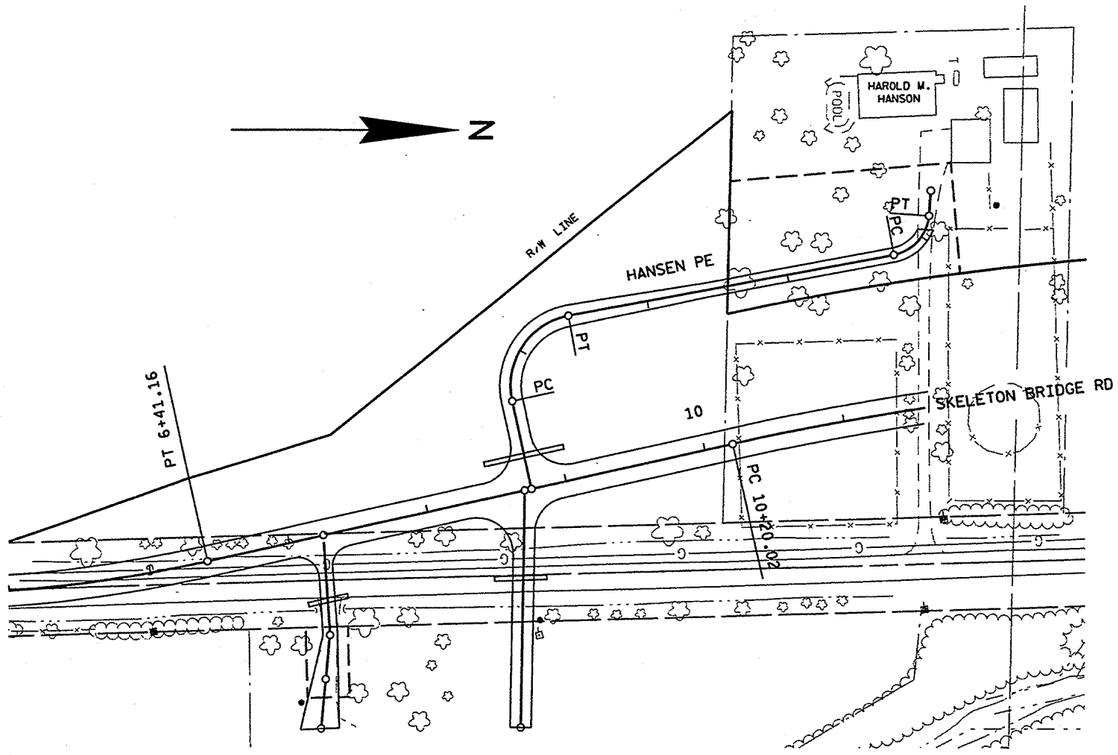
WISDOT/CADDS SHEET 42

LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

TYERS PE



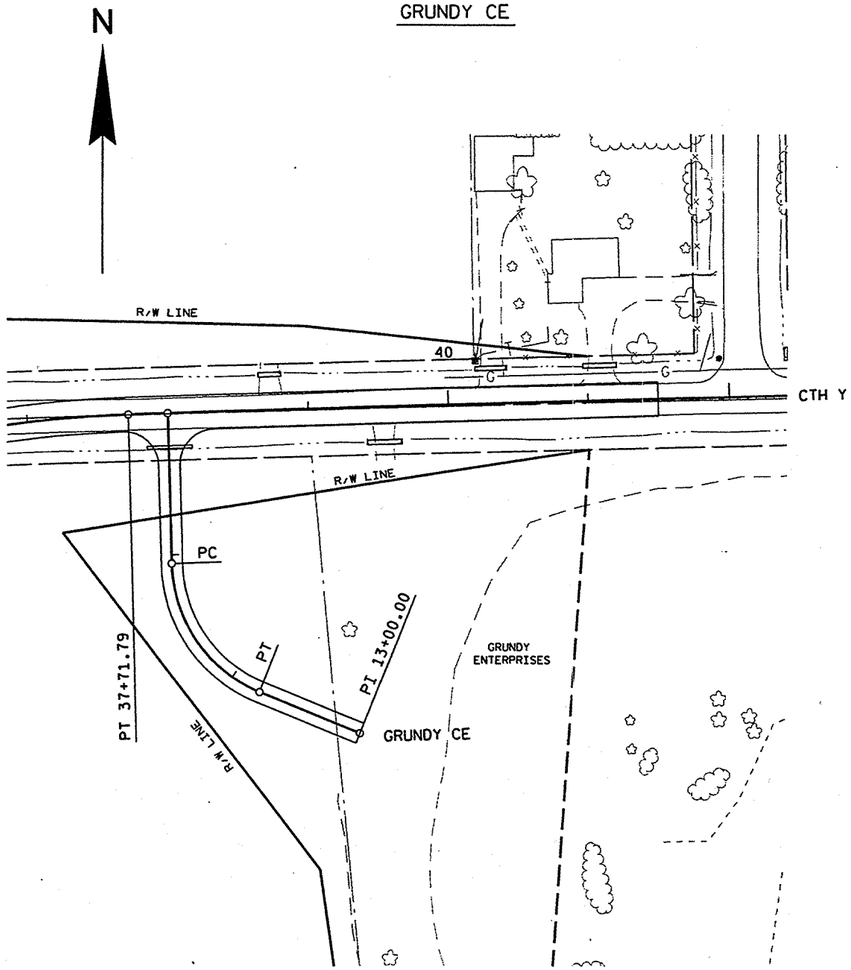
HANSEN PE



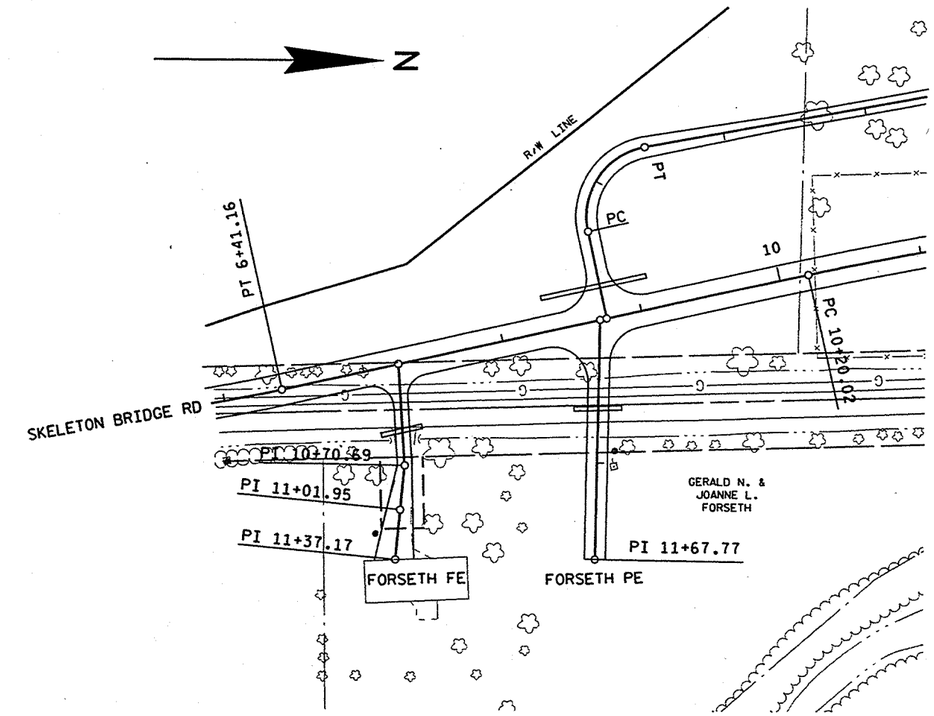
STATE PROJECT NUMBER:6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	CONSTRUCTION DETAILS	SCALE, FEET 0 50 100	SHEET NO: 2.29	E

FILE NAME : F:\d3_620005\241.dgn PLOT DATE : 04-SEP-2001 13:28 ORG DATE : 8-30-01 PLOT NAME : 241ad Originator : DISTRICT 3 PLOT SCALE : 100.400000:1.000000 WISDOT/CADDS SHEET 42

GRUNDY CE



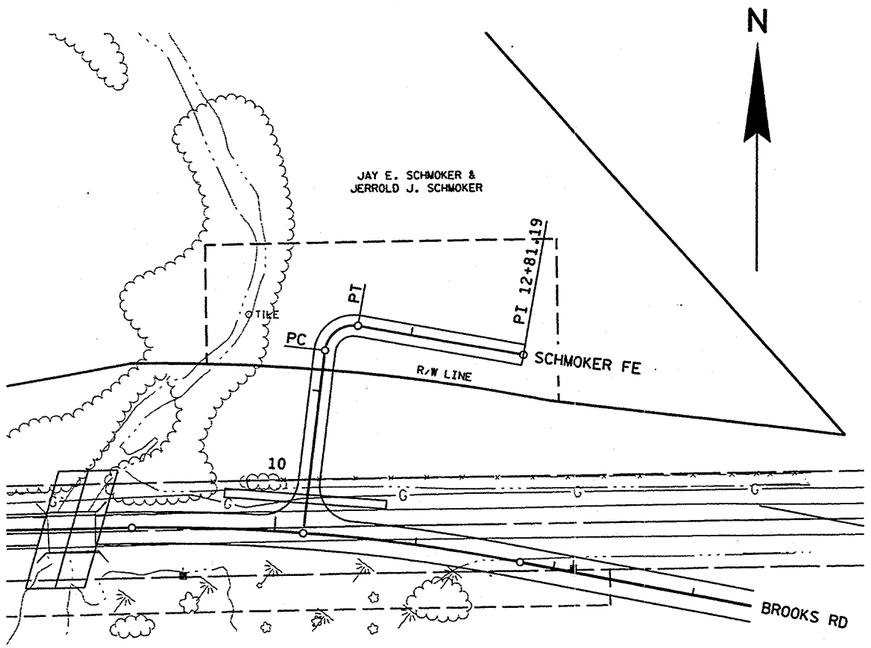
FORSETH PE AND FE



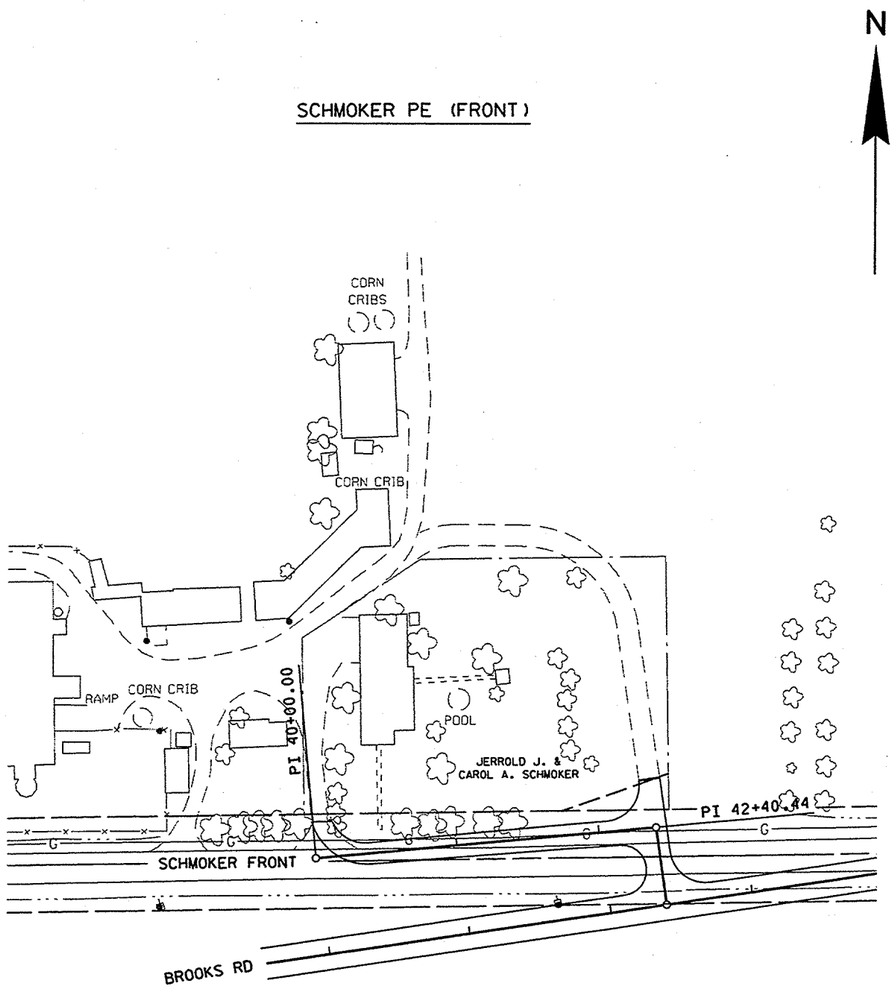
STATE PROJECT NUMBER:6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	CONSTRUCTION DETAILS	SCALE, FEET 0 50 100	SHEET NO: 2.30	E

FILE NAME : F:\d3_620005\241.dgn
PLOT DATE : 04-SEP-2001 13:28
ORG DATE : 8-30-01
PLOT NAME : 241bd
Originator : DISTRICT 3
PLOT SCALE : 100.400000:1.000000
WISDOT/CADDS SHEET 42

SCHMOKER FE



SCHMOKER PE (FRONT)



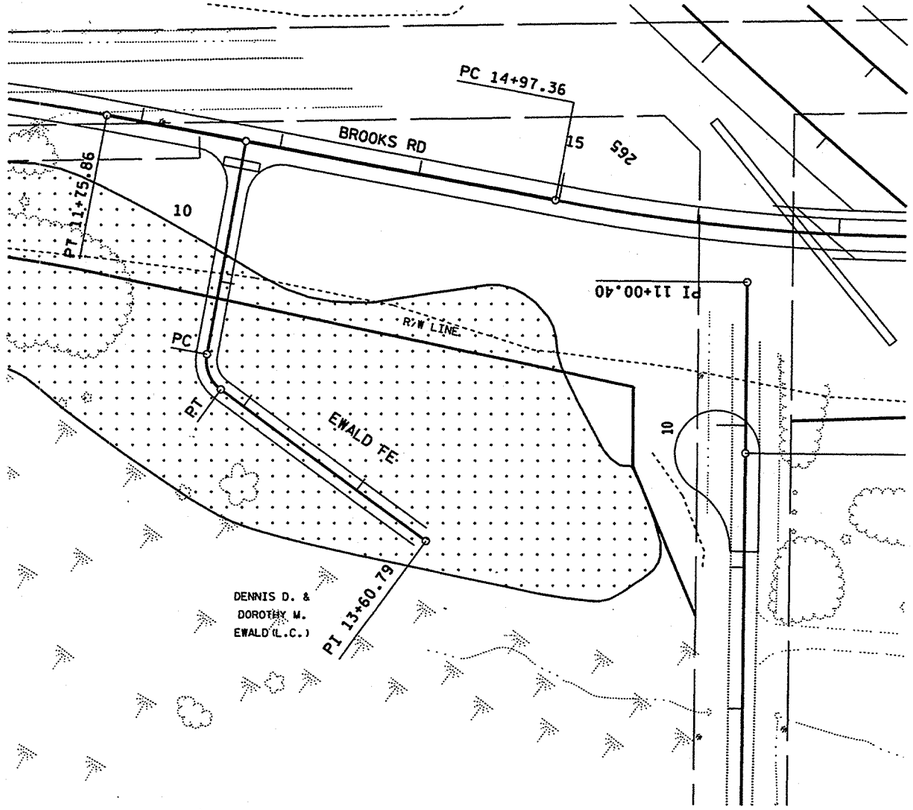
LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57, 59,60,61,62,63

STATE PROJECT NUMBER:6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	CONSTRUCTION DETAILS	SCALE, FEET 0 50 100	SHEET NO: 2.31	E

FILE NAME : F:\d3_620005\241.dgn PLOT DATE : 20-SEP-2001 08:20 ORG DATE : 8-30-01 PLOT NAME : 241cd Originator : DISTRICT 3 PLOT SCALE : 100.400000:1.000000

WISDOT/CADDS SHEET 42

EWALD F.E



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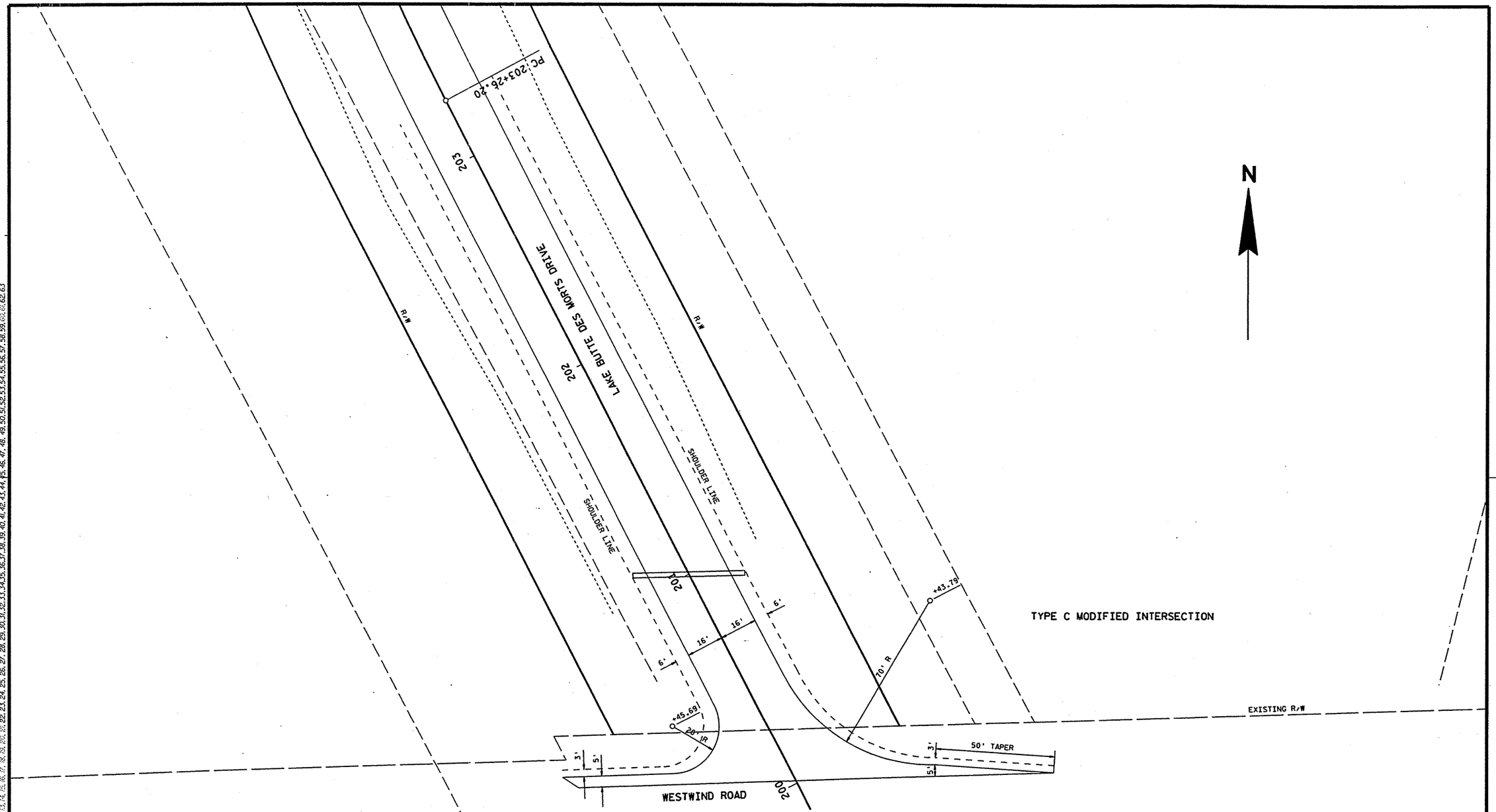
STATE PROJECT NUMBER:6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	CONSTRUCTION DETAILS	SCALE, FEET 0 50 100	SHEET NO: 232	E

FILE NAME : F:\d3_620005\241.dgn PLOT DATE : 20-SEP-2001 08:08 ORG DATE : 8-20-01 PLOT NAME : 241d Originator : DISTRICT 3 PLOT SCALE : 100.303030:1.000000

WISDOT/CADDS SHEET 42

LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63



STATE PROJECT NUMBER:6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	CONSTRUCTION DETAIL	SCALE, FEET 0 10 20	SHEET NO: 2.33	E

FILE NAME : F:±d3_620005±021104_id.dgn PLOT DATE: 26-NOV-2001 14:07 ORG DATE : 6-13-01 PLOT NAME : 021104 id Originator : d3 PLOT SCALE : 40.121212:1.000000

WISDOT/CADDS SHEET 42

LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

TYPE D MODIFIED INTERSECTION

CONCRETE CURB & GUTTER
30-INCH, TYPE D (TYPICAL)

N

LAKE BUTTE DES MORTS DRIVE

LOFT DRIVE

SHOULDER LINE

EXISTING R/W

R/W

PT 15+65.65

PC 13+50.80

FT 87+53.77

216+86.53

+49.92

+88.04

+42.01

+79.18

68' R

62' R

220

219

218

217

91

16'

16'

15

14

11'

11'

6'

6'

96

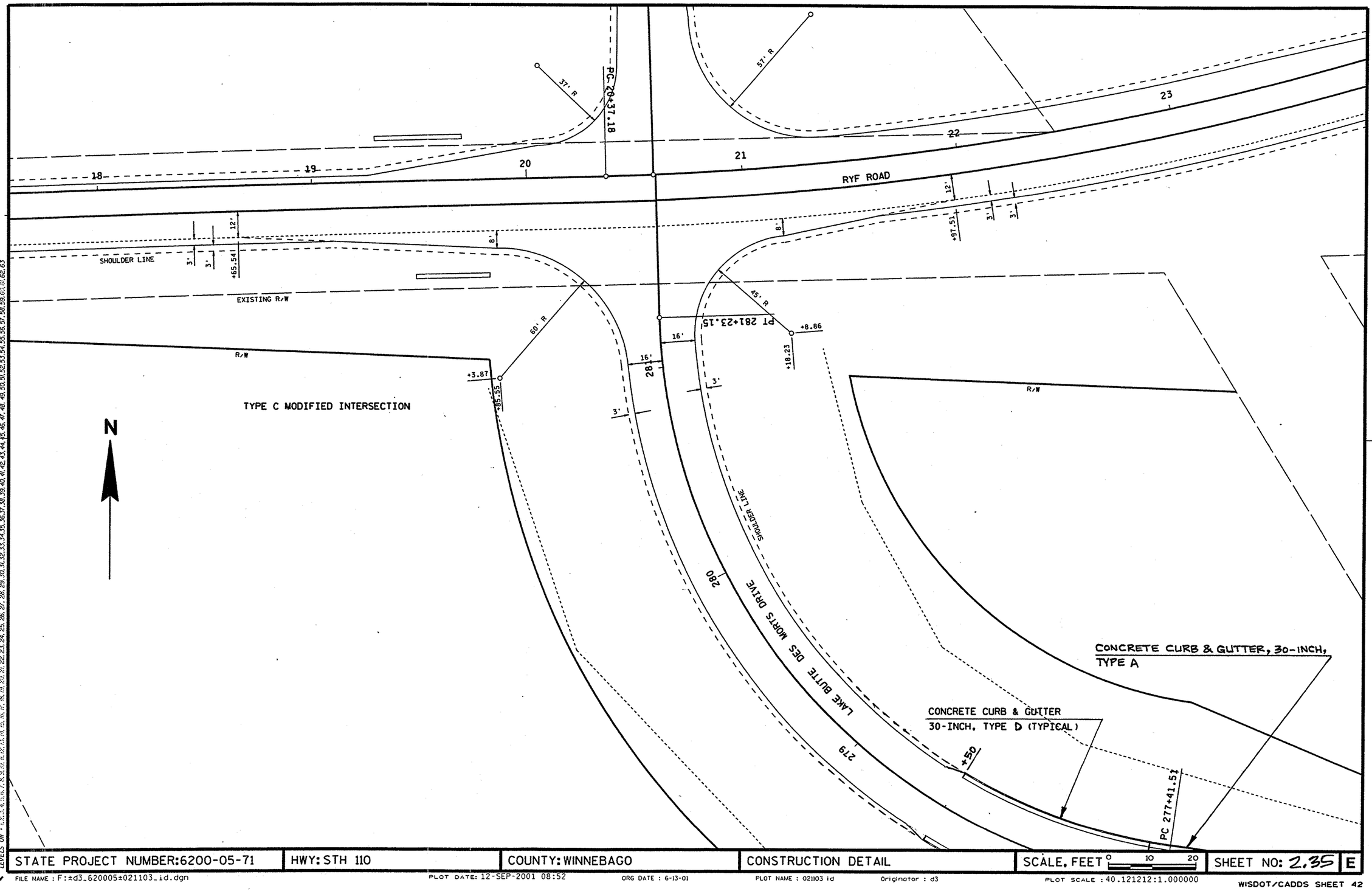
88

STATE PROJECT NUMBER:6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	CONSTRUCTION DETAIL	SCALE, FEET 0 10 20	SHEET NO: 2.34	E

FILE NAME : F:±d3_620005±021105_id.dgn PLOT DATE: 27-NOV-2001 12:54 ORG DATE : 6-13-01 PLOT NAME : 021105 id Originator : d3 PLOT SCALE : 40.121212:1.000000

WISDOT/CADDS SHEET 42

LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63



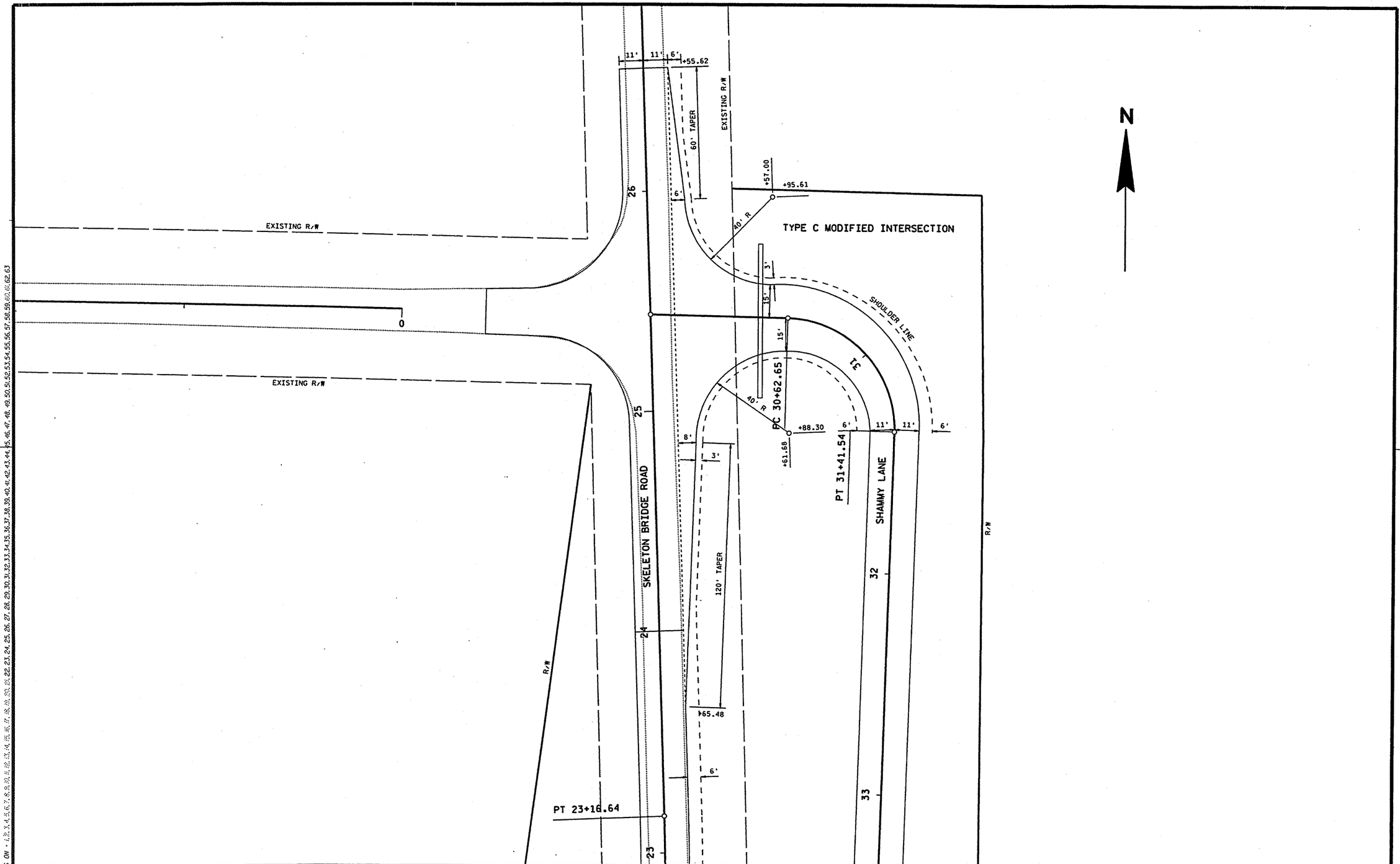
STATE PROJECT NUMBER:6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	CONSTRUCTION DETAIL	SCALE, FEET 0 10 20	SHEET NO: 2.35	E

FILE NAME : F:±d3_620005±021103_id.dgn PLOT DATE: 12-SEP-2001 08:52 ORG DATE : 6-13-01 PLOT NAME : 021103 id Originator : d3 PLOT SCALE : 40.121212:1.000000

WISDOT/CADDS SHEET 42

LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

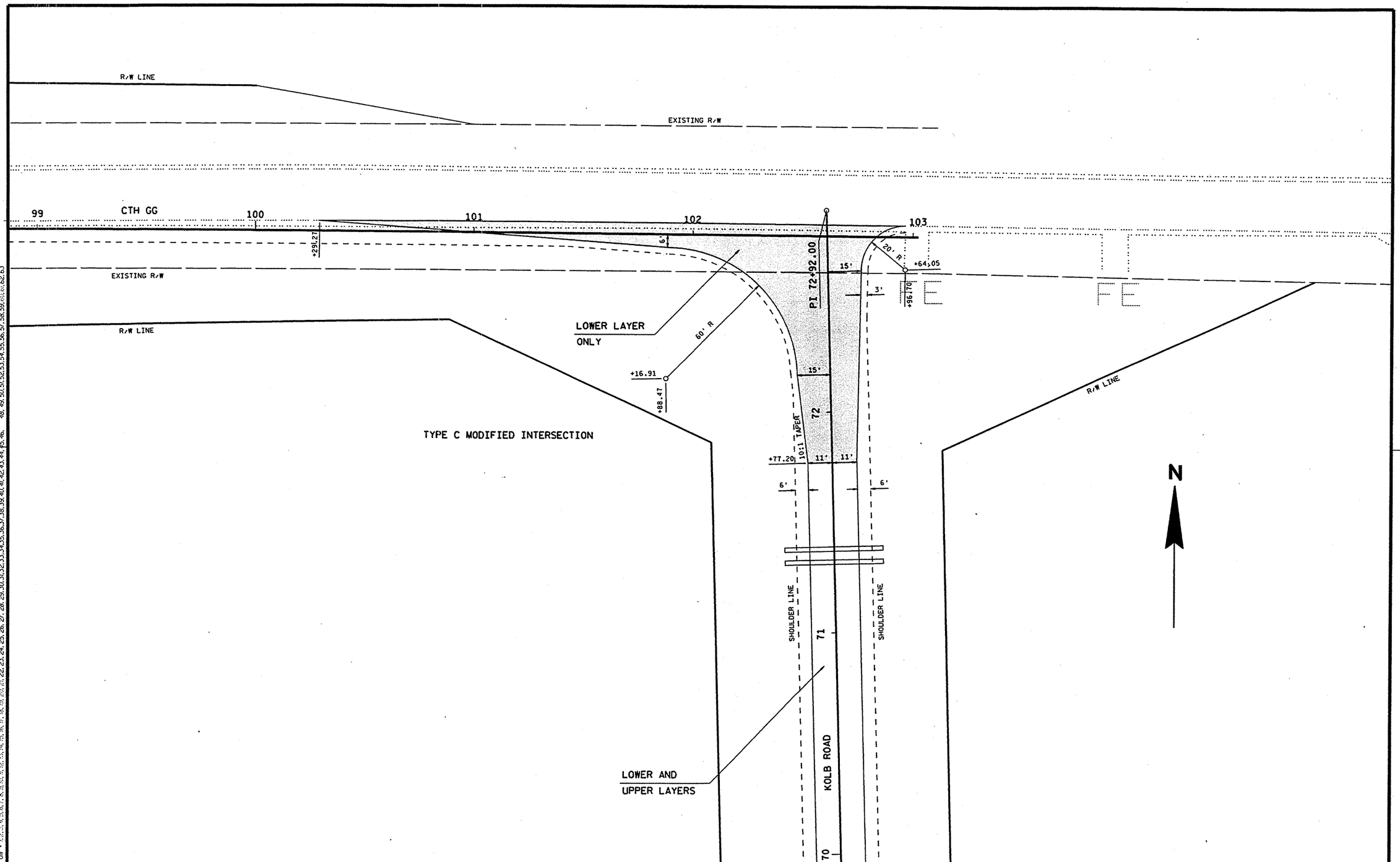
LEVELS ON - 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63



STATE PROJECT NUMBER:6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	CONSTRUCTION DETAIL	SCALE, FEET 0 10 20	SHEET NO: 2.36	E

FILE NAME : F:±d3_620005±021101_id.dgn PLOT DATE: 17-SEP-2001 08:25 ORG DATE : 6-12-01 PLOT NAME : 0211011d Originator : d3 PLOT SCALE : 40.121212:1.000000

WISDOT/CADDS SHEET 42



STATE PROJECT NUMBER:6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	CONSTRUCTION DETAIL	SCALE, FEET 0 10 20	SHEET NO: 2.37	E

FILE NAME : F:±d3_620005±021102_id.dgn PLOT DATE: 26-NOV-2001 14:08 ORG DATE : PLOT NAME : 021102l id Originator : d3 PLOT SCALE : 40.121212:1.000000

WISDOT/CADDS SHEET 42

LEVELS ON : 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

SENSITIVE AREA

SENSITIVE AREA

SENSITIVE AREA

SENSITIVE AREA

N

PC 203+26.20

PI 212+64.24

PC 216+86.53

PT 15+65.65

219+20 LAKE BUTT DES MORTS DR.
15+82.18 LOFT DRIVEWAY

PT 224+47.14

LAKE BUTTE DES MORTS DRIVE

PI 9+50.00

PC 11+08.50

PT 11+91.44

PT 87+53.77

PC 13+50.80

PC 82+48.84

PC 93+73.97

PT 96+26.46 BK*
96+26.25 AH

STH 110 (SOUTHBOUND)

STH 110 (NORTHBOUND)

PI 75+01.32

205 210 215 220 225 230 105 100 95 90 85 80 75

LEGEND

EROSION BALES

FILTER BAGS

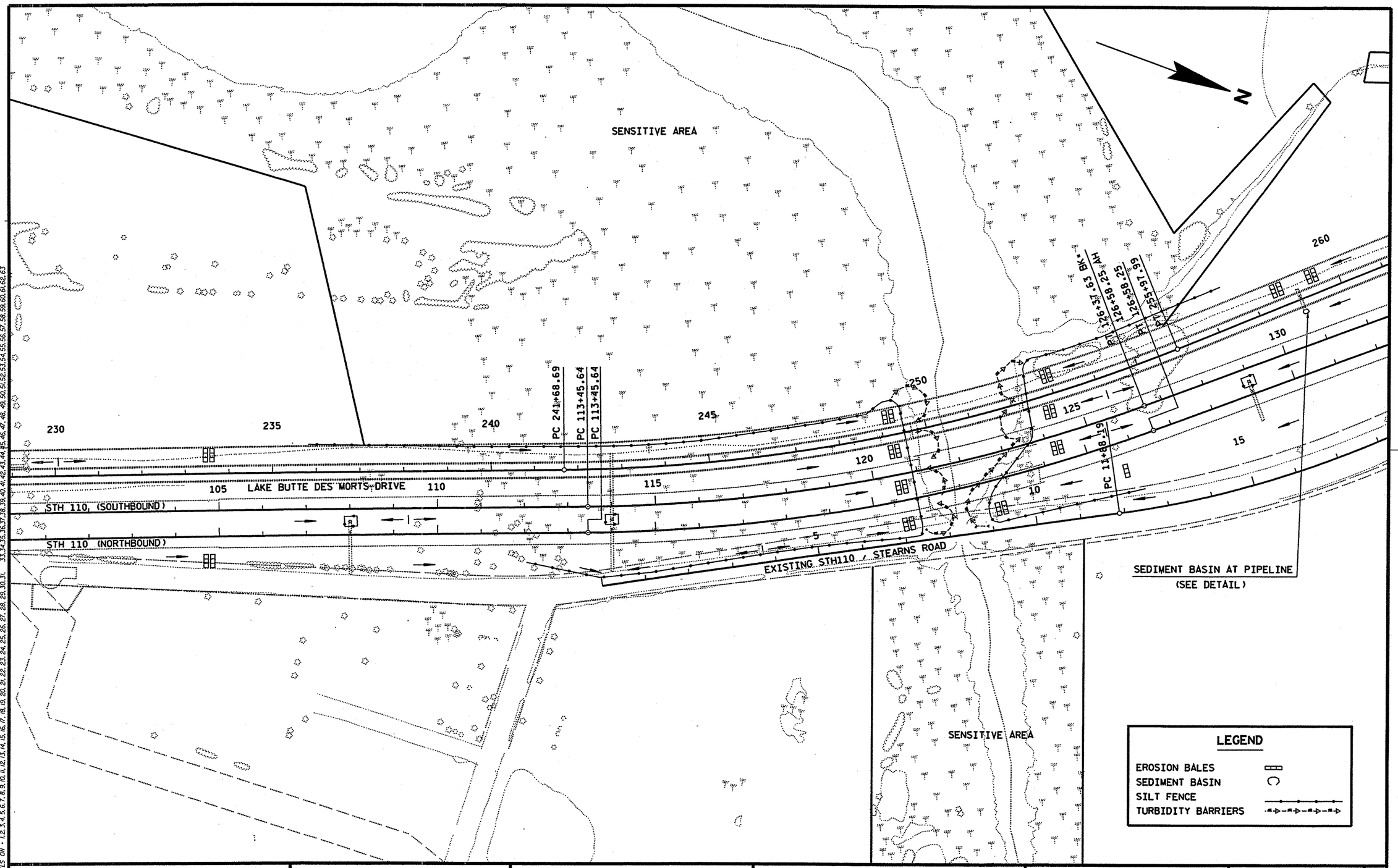
SILT FENCE

STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	EROSION CONTROL (TEMPORARY)	SCALE, FEET 0 100 200	SHEET NO: 238	E

FILE NAME : F:±d3_620005±210.dgn PLOT DATE: 11-JUL-2001 15:16 ORG DATE : 9/21/00 PLOT NAME : 210dT71 Originator : DISTRICT 3 -- JD PLOT SCALE : 200.700000:1.000000

WISDOT/CADDS SHEET 42

LEVELS ON * 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29, 31, 33,34,35,36,37,38,39, 41, 43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63



STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	EROSION CONTROL (TEMPORARY)	SCALE, FEET 0 100 200	SHEET NO: 2.39	E

LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

FILE NAME : F:±d3_620005±211.dgn PLOT DATE: 27-JUN-2001 12:50 ORG DATE : 9/26/00 PLOT NAME : 211dt71 Originator : DISTRICT 3 -- JD PLOT SCALE : 200.700000:1.000000
WISDOT/CADDS SHEET 42

N

SENSITIVE AREA

SENSITIVE AREA

SENSITIVE AREA

SENSITIVE AREA

SENSITIVE AREA

SEDIMENT BASIN AT PIPE INLET
(SEE DETAIL)

SEDIMENT BASIN AT PIPE INLET
(SEE DETAIL)

SEDIMENT BASIN AT PIPE INLET
(SEE DETAIL)

PC 266+23.02

PT 272+37.96

PC 277+41.51

PT 281+23.15

PC 284+04.80

PT 281+20.33

PC 20+37.18

NW FRONTAGE ROAD AT CTH T

148+60.23 STH 110 SB•
27+77.95 CTH T

148+53.22 STH 110 NB•
28+38.36 CTH T

LAKE BUTTE DES MORTS DRIVE

STH 110 (SOUTHBOUND)

STH 110 (NORTHBOUND)

PT 22+12.75

PC 23+73.67

PT 28+39.11

STEARNS ROAD

CTH T

PC 35+31.40

PT 38+23.56

35+39.10 CTH T•
38+46.72 STEARNS RD

260 265 270 275 280 285 290

130 135 140 145 150 155 160

20 25 30 35

LEGEND

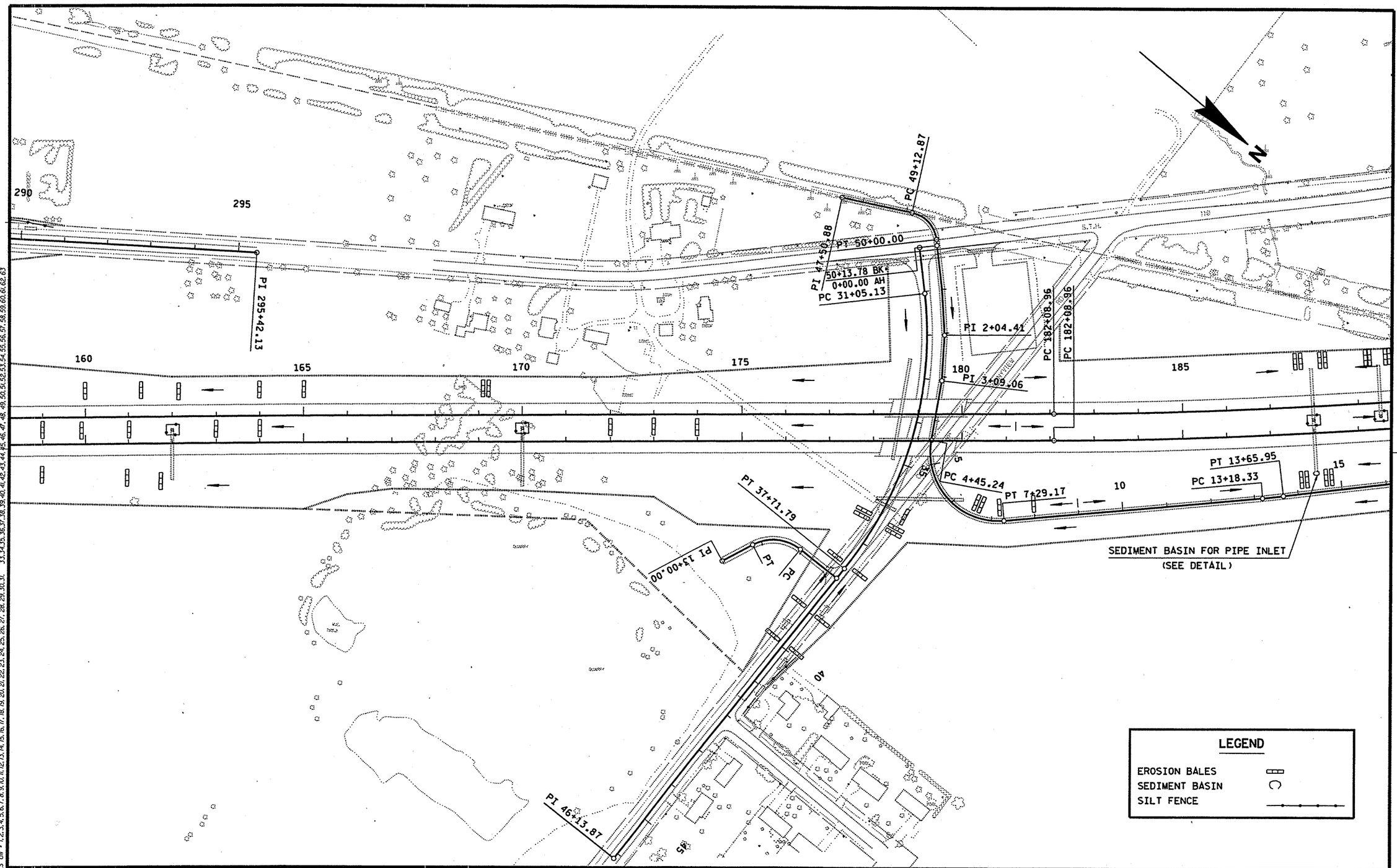
- EROSION BALES
- SEDIMENT BASIN
- SILT FENCE
- TURBIDITY BARRIERS

STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	EROSION CONTROL (TEMPORARY)	SCALE. FEET 0 100 200	SHEET NO: 2.40	E

LEVELS ON - 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29, 31, 33,34,35,36,37,38,39, 41, 43,44, 47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

FILE NAME : F:±d3_620005±212.dgn PLOT DATE: 11-JUL-2001 15:16 ORG DATE : 10/18/00 PLOT NAME : 212dt71 Originator : DISTRICT 3 -- JD PLOT SCALE : 200.700000:1.000000

WISDOT/CADDS SHEET 42

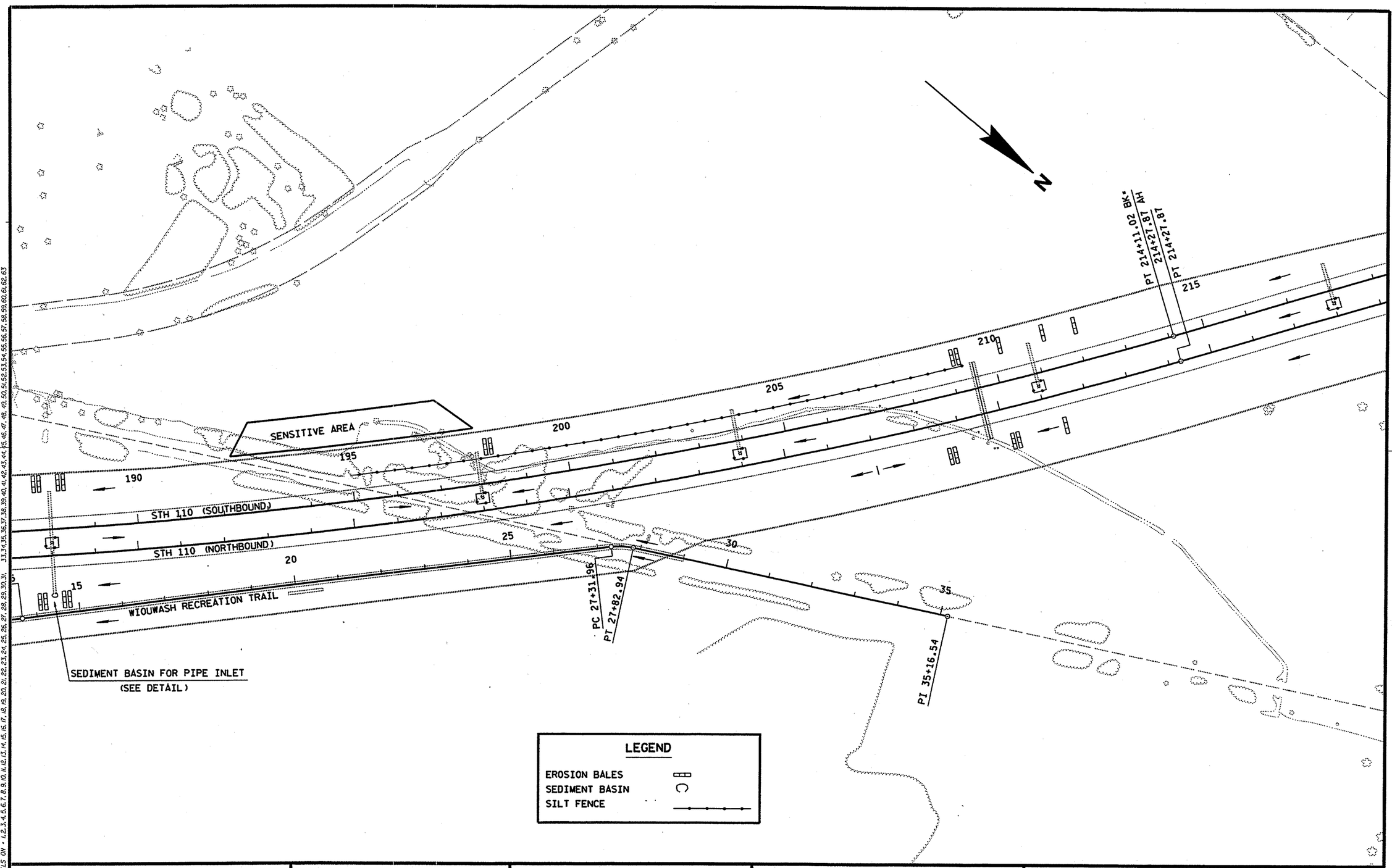


LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	EROSION CONTROL (TEMPORARY)	SCALE, FEET 0 100 200	SHEET NO: 2.41	E

FILE NAME : F:±d3_620005±213.dgn PLOT DATE: 13-SEP-2001 08:33 ORG DATE : 10/31/00 PLOT NAME : 213dt71 Originator : DISTRICT 3 -- JD PLOT SCALE : 200.700000:1.000000

WISDOT/CADDS SHEET 42



LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31, 33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	EROSION CONTROL (TEMPORARY)	SCALE, FEET 0 100 200	SHEET NO: 2.42	E

FILE NAME : F:±d3_620005±214.dgn PLOT DATE: 27-JUN-2001 12:49 ORG DATE : 11/1/00 PLOT NAME : 214dt71 Originator : DISTRICT 3 -- JD PLOT SCALE : 200.700000:1.000000

WISDOT/CADDS SHEET 42

N

220 225 230 235 240 245

STH 110 (SOUTHBOUND)

STH 110 (NORTHBOUND)

LEGEND

EROSION BALES

SEDIMENT BASIN

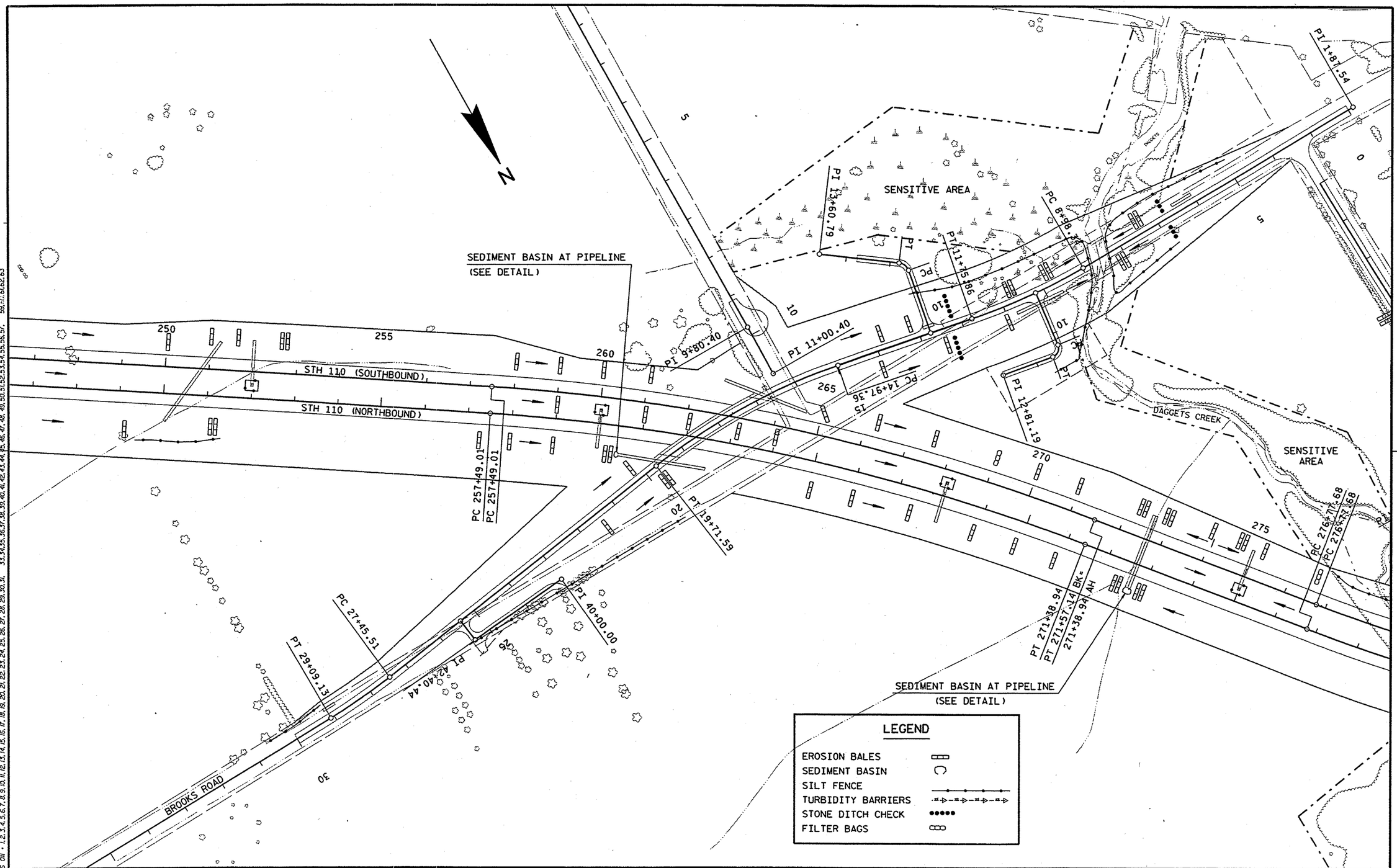
SILT FENCE

STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	EROSION CONTROL (TEMPORARY)	SCALE, FEET 0 100 200	SHEET NO: 2.43	E

LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31, 33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48, 49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

FILE NAME : F:±d3_620005±215.dgn PLOT DATE: 27-JUN-2001 09:58 ORG DATE : 11/1/00 PLOT NAME : 215dp71 Originator : DISTRICT 3 -- JD PLOT SCALE : 200.700000:1.000000

WISDOT/CADDS SHEET 42

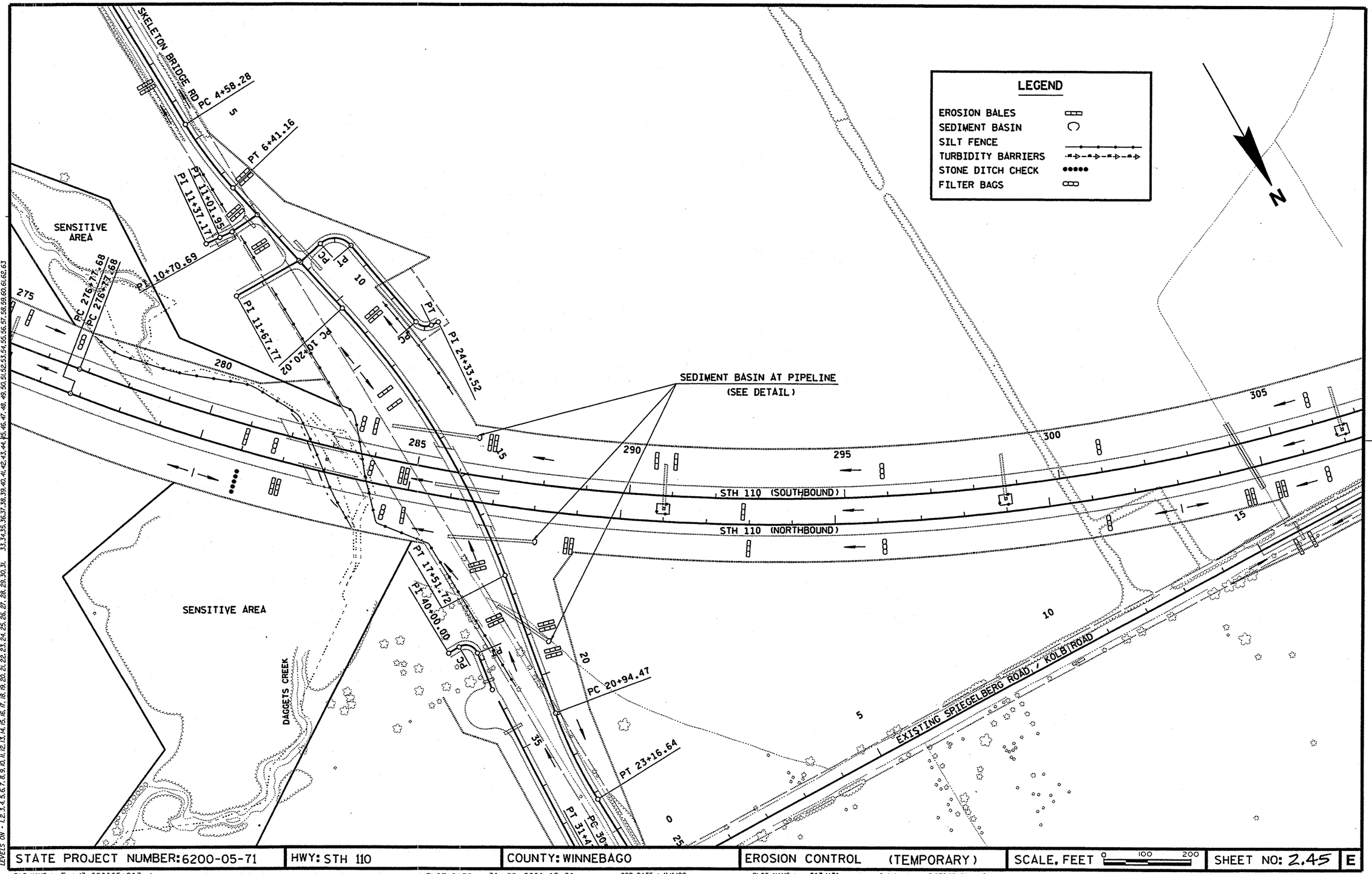


STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	EROSION CONTROL (TEMPORARY)	SCALE, FEET 0 100 200	SHEET NO: 2.44	E

FILE NAME : F:±d3_620005±216.dgn PLOT DATE: 27-NOV-2001 12:54 ORG DATE : 11/15/00 PLOT NAME : 216dt71 Originator : DISTRICT 3 -- JD PLOT SCALE : 200.700000:1.000000

WISDOT/CADDS SHEET 42

LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31, 33,34,35,36,37,38,39,40,41,42,43,44, 45,46,47,48,49,50,51,52,53,54,55,56,57, 59,60,61,62,63



LEVELS ON - 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31, 33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	EROSION CONTROL (TEMPORARY)	SCALE, FEET 0 100 200	SHEET NO: 2.45	E

FILE NAME : F:±d3_620005±217.dgn PLOT DATE: 31-JUL-2001 15:31 ORG DATE : 11/1/00 PLOT NAME : 217dt71 Originator : DISTRICT 3 -- JD PLOT SCALE : 200.700000:1.000000

WISDOT/CADDS SHEET 42

N

PT 311+59.48 BK*
PT 312+05.66 AH
PC 312+05.66

PC 18+17.28
PT 19+28.29

PC 13+12.41

PC 41+96.53
PC 331+75.15
PC 331+75.15

PT 46+09.43

STH 110 (SOUTHBOUND)
STH 110 (NORTHBOUND)
KOLB ROAD
SPIEGELBERG ROAD

320
315
310
325
330
335
20
15
10
45
40
35
30
25
20

LEGEND

- EROSION BALES
- SEDIMENT BASIN
- SILT FENCE
- STONE DITCH CHECK
- FILTER BAGS

STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	EROSION CONTROL (TEMPORARY)	SCALE. FEET 0 100 200	SHEET NO: 2.46 E

FILE NAME : F:±d3_620005±218.dgn PLOT DATE: 27-JUN-2001 12:49 ORG DATE : 11/1/00 PLOT NAME : 218dt71 Originator : DISTRICT 3 -- JD PLOT SCALE : 200.700000:1.000000

WISDOT/CADDS SHEET 42

LEVELS ON - 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31, 33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48, 49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

PI 22+34.25
PI 21+90.27
20
340
345
350
355
360
365
365
365
STH 110 (SOUTHBOUND)
STH 110 (NORTHBOUND)
50
SENSITIVE AREA
PT 46+09.43
PC 48+97.66
PT 52+73.63
KOLB ROAD
55
INTERCEPTING DITCH
65
PI 362+47.90
PI 362+70.20
PC 363+41.60
SENSITIVE AREA
SEDIMENT BASIN AT PIPELINE
(SEE DETAIL)
PC 87+59
PT
373+19.
PC 3

LEGEND

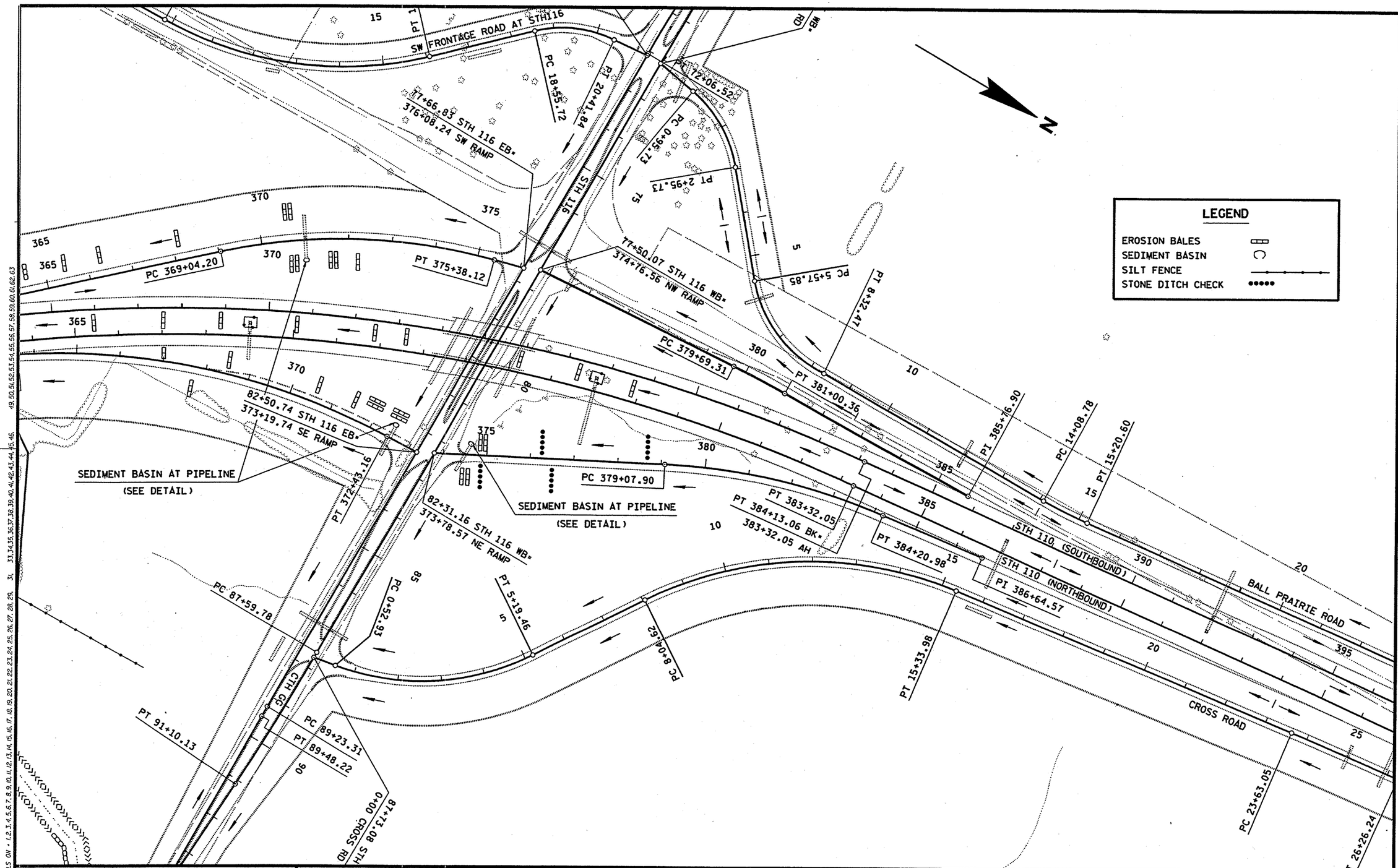
EROSION BALES	
SEDIMENT BASIN	
SILT FENCE	
TURBIDITY BARRIERS	
STONE DITCH CHECK	
FILTER BAGS	

STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	EROSION CONTROL (TEMPORARY)	SCALE, FEET 0 100 200	SHEET NO: 2.47 E

FILE NAME : F:\d3_620005\219.dgn PLOT DATE: 13-SEP-2001 08:38 ORG DATE : 11/1/00 PLOT NAME : 219dt71 Originator : DISTRICT 3 -- JD PLOT SCALE : 200.700000:1.000000

WISDOT/CADDS SHEET 42

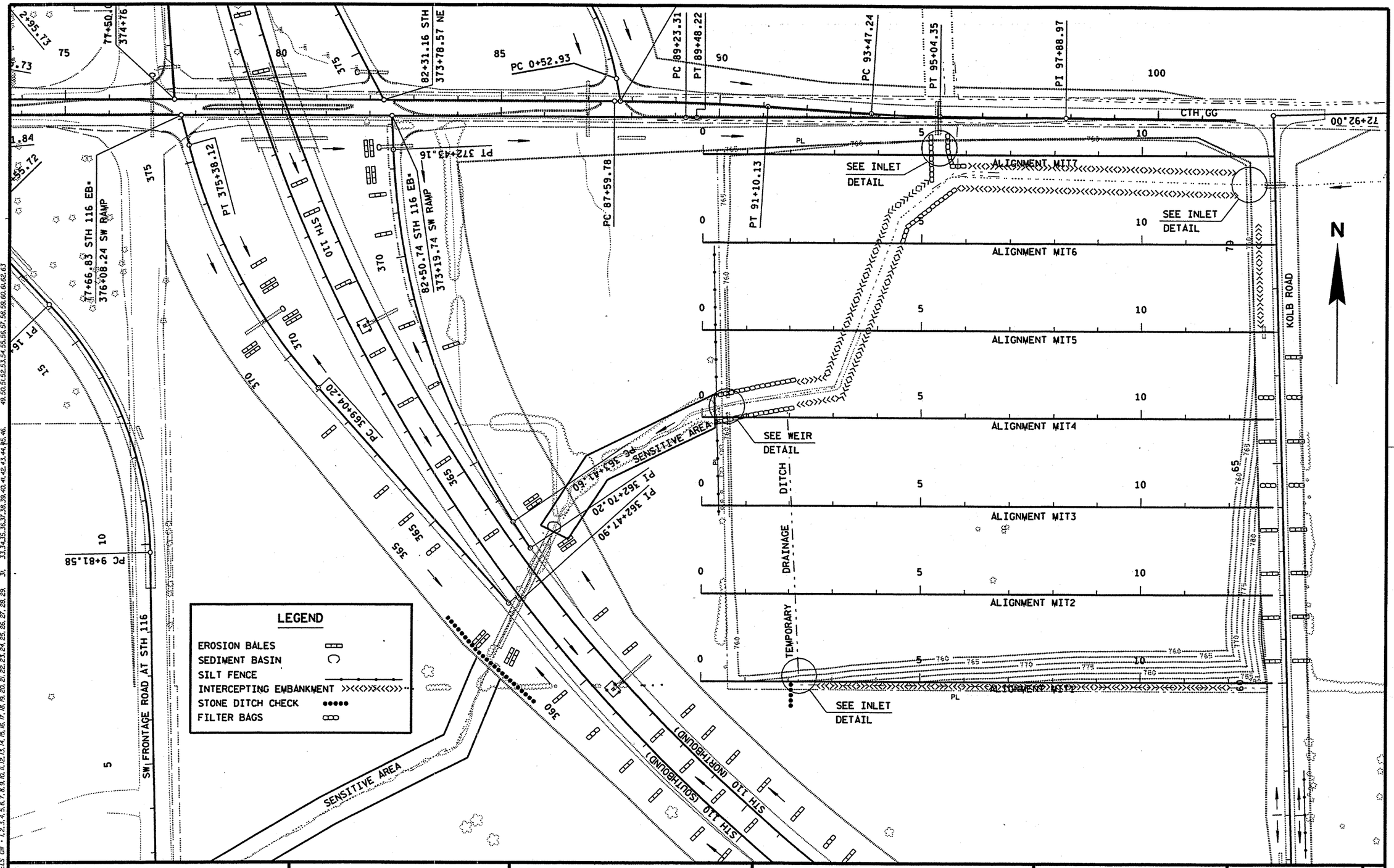
LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31, 33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63



STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	EROSION CONTROL (TEMPORARY)	SCALE, FEET 0 100 200	SHEET NO: 2.48	E

FILE NAME : F:±d3_620005±220.dgn PLOT DATE: 11-JUL-2001 15:16 ORG DATE : 11/1/00 PLOT NAME : 220dt71 Originator : DISTRICT 3 -- JD PLOT SCALE : 200.700000:1.000000

WISDOT/CADDS SHEET 42



STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	EROSION CONTROL (TEMPORARY)	SCALE, FEET 0 100 200	SHEET NO: 2.49	E

FILE NAME : F:±d3_620005±220a.dgn PLOT DATE: 27-JUN-2001 09:58 ORG DATE : 3-6-01 PLOT NAME : 220adf71 Originator : DISTRICT 3 PLOT SCALE : 200.700000:1.000000

WISDOT/CADDS SHEET 42

LEVELS ON : 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29, 31, 33,34,35,36,37,38,39,40,41,42,43,44,45,46, 49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

SENSITIVE AREA

SENSITIVE AREA

SENSITIVE AREA

N

PC 203+26.20

R= 212.64.24

PC 216+86.53

219+20 LAKE BUTT DES MORTS DR=
15+82.18 LOFT DRIVEWAY

PT 224+47.14

LAKE BUTTE DES MORTS DRIVE

PT 15+65.65

PC 13+00.80

PC 11+08.50

PT 11+91.44

PC 8A+97.00

PI 9+50.00

PT 91+02.86

PT 98+02.86

PI 82+99.30

PC 91+99.99

STH 110 (SOUTHBOUND)

STH 110 (NORTHBOUND)

SENSITIVE AREA

SLOPE

LEGEND

EROSION MAT CLASS I, TYPE A	####Ⓐ####
EROSION MAT CLASS I, TYPE B	####Ⓑ####
EROSION MAT CLASS II, TYPE B	····Ⓑ····
MEDIUM RANDOM RIPRAP	

STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	EROSION CONTROL (PERMANENT)	SCALE, FEET 0 100 200	SHEET NO: 2.50 E

FILE NAME : F:±d3_620005±210.dgn PLOT DATE: 27-NOV-2001 16:43 ORG DATE : 9/21/00 PLOT NAME : 210dP71 Originator : DISTRICT 3 -- JD PLOT SCALE : 200.700000:1.000000

WISDOT/CADDS SHEET 42

LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26, 28,29,30,31,32, 34,35,36,37,38,39, 41, 43,44,45,46,47,48,49,50,51,52,53,54,55,56,57, 59,60,61,62,63

SENSITIVE AREA

N

PC 241+68.69

PC 113+45.64

PC 113+45.64

PC 126+37.63 BK

PC 126+58.25 AH

PC 126+58.25

PC 255+67.99

PC 11+88.29

PC 110+00.00

230 235 240 245 250 255 260

105 LAKE BUTTE DES MORTS DRIVE 110 115 120 125 130

15

SLOPE

STH 110, (SOUTHBOUND)

STH 110 (NORTHBOUND)

EXISTING STH110 / STEARNS ROAD

SENSITIVE AREA

LEGEND

EROSION MAT CLASS I, TYPE A ####(A)####

EROSION MAT CLASS I, TYPE B ####(B)####

EROSION MAT CLASS II, TYPE B ::::::(B)::::::

MEDIUM RANDOM RIPRAP

LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26, 28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57, 59,60,61,62,63

STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	EROSION CONTROL (PERMANENT)	SCALE, FEET 0 100 200	SHEET NO: 2.51	E

FILE NAME : F:±d3_620005±211.dgn PLOT DATE: 27-NOV-2001 16:42 ORG DATE : 9/26/00 PLOT NAME : 211dp71 Originator : DISTRICT 3 -- JD PLOT SCALE : 200.700000:1.000000

WISDOT/CADDS SHEET 42

281+89.16 LAKE BUTT DES MORTS DR=
20+60.00 CTH T (RYF RD)=
282+16.18 NW FRONTAGE ROAD

PC 20+37.18
PC 284+04.61
PT 287+19.93
NW FRONTAGE ROAD AT CTH T

PC 277+41.51
PT 281+23.15

PT 272+31.96
PC 266+23.02

SENSITIVE AREA
SENSITIVE AREA
SENSITIVE AREA
SENSITIVE AREA

148+60.23 STH 110 SB=
27+77.95 CTH T

LAKE BUTTE DES MORTS DRIVE

STH 110 (SOUTHBOUND)

STH 110 (NORTHBOUND)

DITCH

PT 22+12.75
PC 23+73.67
PT 28+39.11

STEARNS ROAD

148+53.22 STH 110 NB=
28+38.36 CTH T

CTH T

PC 35+31.40
PT 38+23.56

35+39.10 CTH T=
38+46.72 STEARNS RD

SEDIMENT BASIN AT PIPE INLET
(SEE DETAIL)

LEGEND

- EROSION MAT CLASS I, TYPE A
- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- MEDIUM RANDOM RIPRAP

STATE PROJECT NUMBER: 6200-05-75	HWY: STH 110	COUNTY: WINNEBAGO	EROSION CONTROL (PERMANENT)	SCALE, FEET 0 100 200	SHEET NO: 2.52	E

FILE NAME : F:±d3_620005±212.dgn PLOT DATE: 27-NOV-2001 16:43 ORG DATE : 10/18/00 PLOT NAME : 212d@75a Originator : DISTRICT 3 -- JD PLOT SCALE : 200.700000:1.000000

WISDOT/CADDS SHEET 42

290 295 160 165 170 175 180 185 110 15 10 40 35

PI 295+42.13

PT 47+50.88
PI 50+00.00
50+13.78 BK
0+00.00 AH
PC 31+05.13

PC 49+12.87

PI 2+04.41

PC 182+08.96

PI 3+09.06

PC 182+08.96

PT 13+65.95

PC 13+18.33

PC 4+45.24

PT 7+29.17

PT 37+71.79

PI 13+00.00

PT

PC

PI 46+13.87

STH 110 (SOUTHBOUND)

STH 110 (NORTHBOUND)

S.T.H.

CTH-Y

WIOUWASH RECREATION TRAIL

DITCH

SLOPE

QUARRY

V.E. 765.8

N

LEGEND

EROSION MAT CLASS I, TYPE A	####(A)####
EROSION MAT CLASS I, TYPE B	####(B)####
EROSION MAT CLASS II, TYPE B	(B)
MEDIUM RANDOM RIPRAP	

STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	EROSION CONTROL (PERMANENT)	SCALE, FEET 0 100 200	SHEET NO: 2.53 E

FILE NAME : F:±d3_620005±213.dgn PLOT DATE: 27-NOV-2001 16:43 ORG DATE : 10/31/00 PLOT NAME : 213dp71 Originator : DISTRICT 3 -- JD PLOT SCALE : 200.700000:1.000000

WISDOT/CADDS SHEET 42

LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26, 28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44, 45,46,47,48,49,50,51,52,53,54,55,56,57, 59,60,61,62,63

N

PT 214+11.02 BK=
PT 214+27.87 AH
PT 214+27.87

SENSITIVE AREA

SLOPE

STH 110 (SOUTHBOUND)

STH 110 (NORTHBOUND)

WIOUWASH RECREATION TRAIL

PC 27+31.96
PT 27+82.94

PI 35+16.54

205 210 215 200 195 190 20 25 30 35 15

LEGEND

EROSION MAT CLASS I, TYPE A	Ⓐ
EROSION MAT CLASS I, TYPE B	Ⓑ
EROSION MAT CLASS II, TYPE B	Ⓑ
MEDIUM RANDOM RIPRAP	

STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	EROSION CONTROL (PERMANENT)	SCALE, FEET 0 100 200	SHEET NO: 2.54 E

LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26, 28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52, 49,50,51,52,53,54,55,56,57, 59,60,61,62,63

FILE NAME : F:±d3_620005±214.dgn PLOT DATE: 29-NOV-2001 08:31 ORG DATE : 11/1/00 PLOT NAME : 214dp71 Originator : DISTRICT 3 -- JD PLOT SCALE : 200.700000:1.000000

WISDOT/CADDS SHEET 42

LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26, 28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57, 59,60,61,62,63

N

220 225 230 235 240 245

STH 110, (SOUTHBOUND)

STH 110 (NORTHBOUND)

LEGEND

EROSION MAT CLASS I, TYPE A ####(A)####

EROSION MAT CLASS I, TYPE B ####(B)####

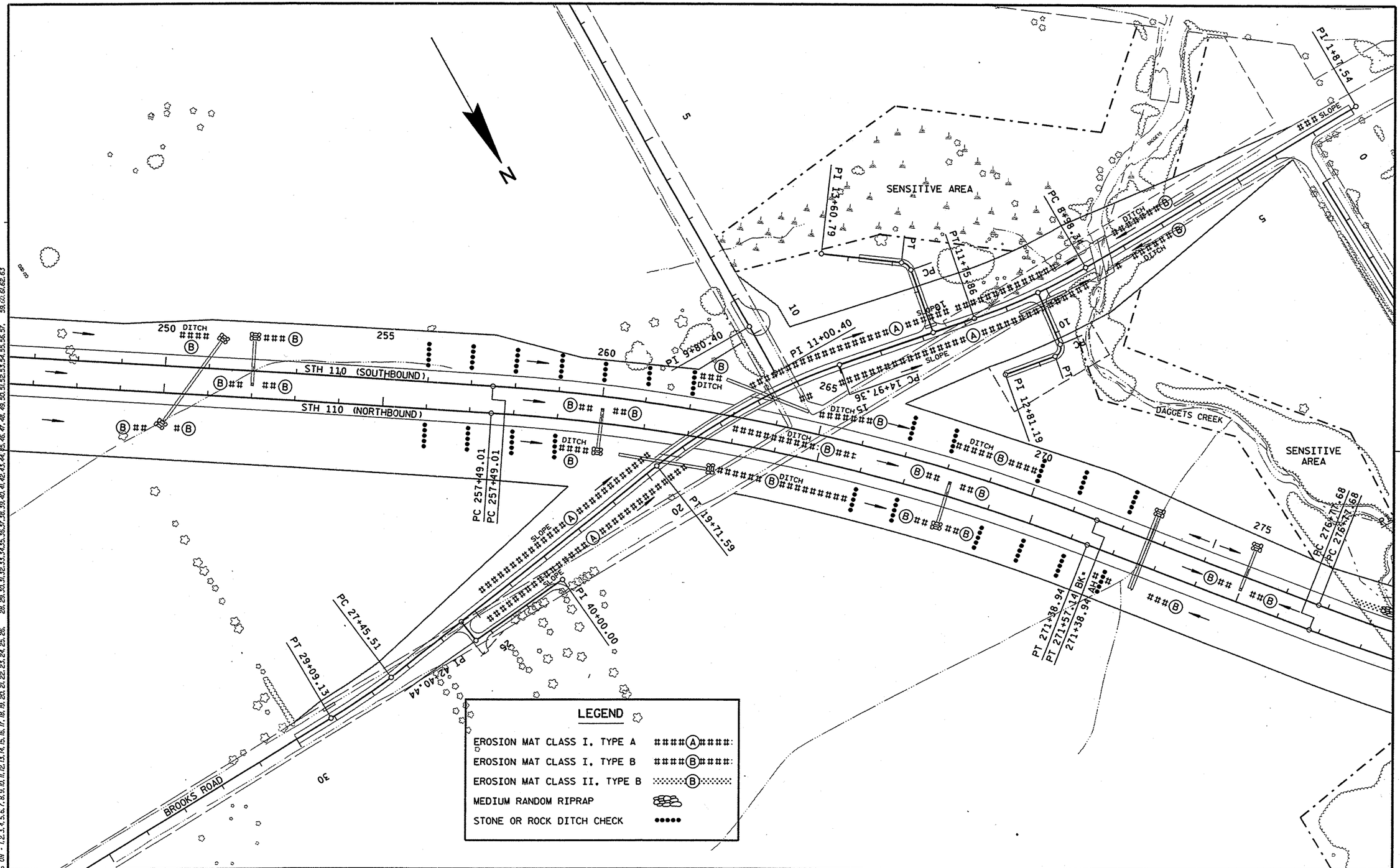
EROSION MAT CLASS II, TYPE B (B)

MEDIUM RANDOM RIPRAP

STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	EROSION CONTROL (PERMANENT)	SCALE, FEET 0 100 200	SHEET NO: 2.55	E

FILE NAME : F:±d3_620005±215.dgn PLOT DATE: 28-NOV-2001 13:09 ORG DATE : 11/1/00 PLOT NAME : 215dp71 Originator : DISTRICT 3 -- JD PLOT SCALE : 200.700000:1.000000

WISDOT/CADDS SHEET 42



STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	EROSION CONTROL (PERMANENT)	SCALE. FEET 0 100 200	SHEET NO: 2.56	E

FILE NAME : F:±d3_620005±216.dgn PLOT DATE: 28-NOV-2001 13:09 ORG DATE : 11/15/00 PLOT NAME : 216dp71 Originator : DISTRICT 3 -- JD PLOT SCALE : 200.700000:1.000000

WISDOT/CADDS SHEET 42

LEVELS ON - 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26, 28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47, 59,60,61,62,63

LEGEND

EROSION MAT CLASS I, TYPE A ####(A)####

EROSION MAT CLASS I, TYPE B ####(B)####

EROSION MAT CLASS II, TYPE B (B)

MEDIUM RANDOM RIPRAP

SKELETON BRIDGE RD PC 4+58.28

PI 6+41.16

PI 11+01.95

PI 11+37.17

PI 10+70.69

PC 216+77.68

PT 216+87.68

SENSITIVE AREA

PI 11+67.77

PC 10+20.02

PT

PI 24+33.52

HEAVY RIPRAP

DITCH

SLOPE

STH 110 (SOUTHBOUND)

STH 110 (NORTHBOUND)

PT 17+51.72

PI 40+00.00

PC

SENSITIVE AREA

DAGGETS CREEK

PC 20+94.47

PT 23+16.64

PT 31+47.

PC 30

EXISTING SPIEGELBERG ROAD, KOLB ROAD

N

275 280 285 290 295 300 305

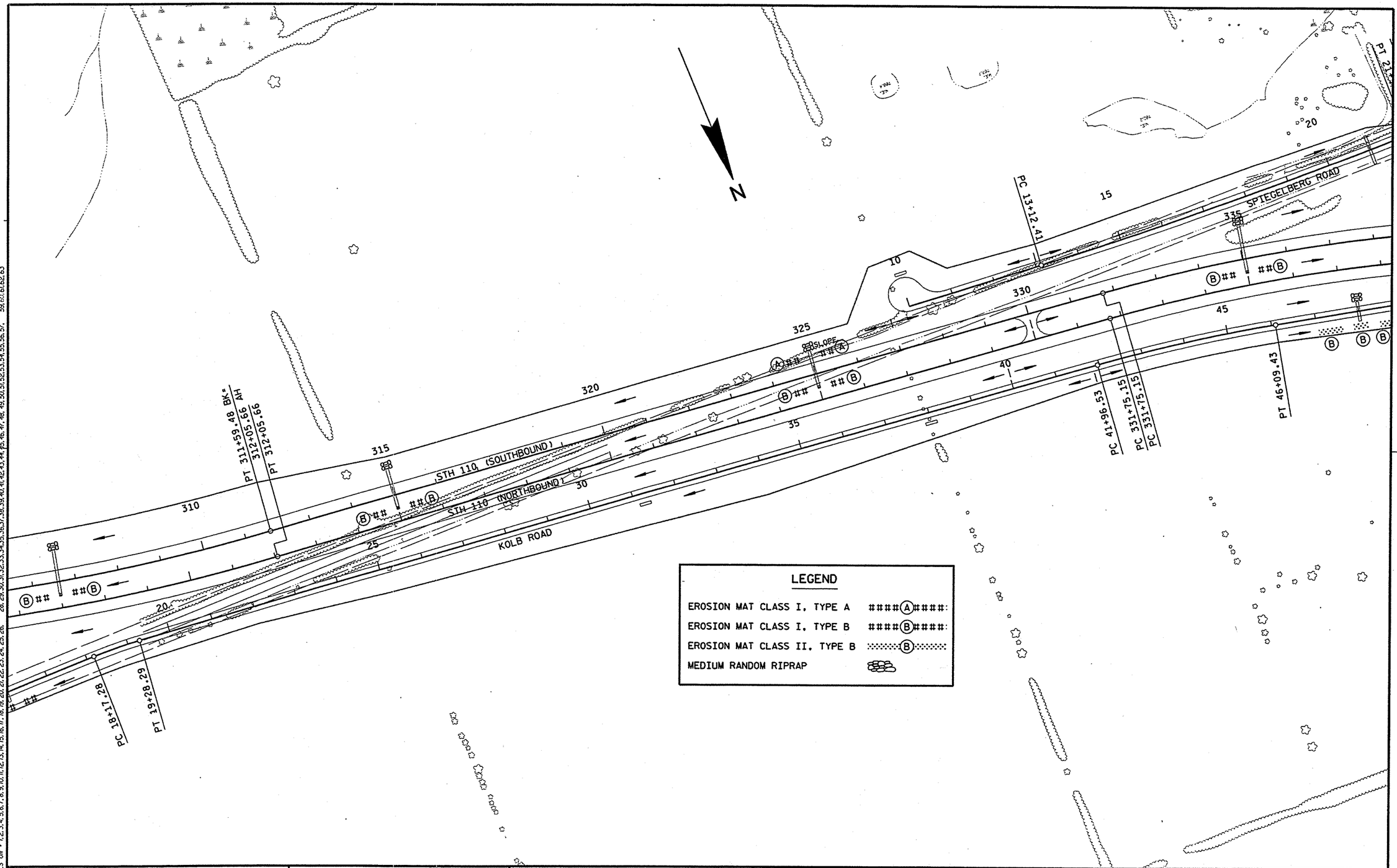
15 10 20 35 5 0 25

LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26, 29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57, 59,60,61,62,63

STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	EROSION CONTROL (PERMANENT)	SCALE, FEET 0 100 200	SHEET NO: 2.57	E

FILE NAME : F:±d3_620005±217.dgn PLOT DATE: 29-NOV-2001 09:08 ORG DATE : 11/1/00 PLOT NAME : 217dp71 Originator : DISTRICT 3 -- JD PLOT SCALE : 200.700000:1.000000

WISDOT/CADDS SHEET 42



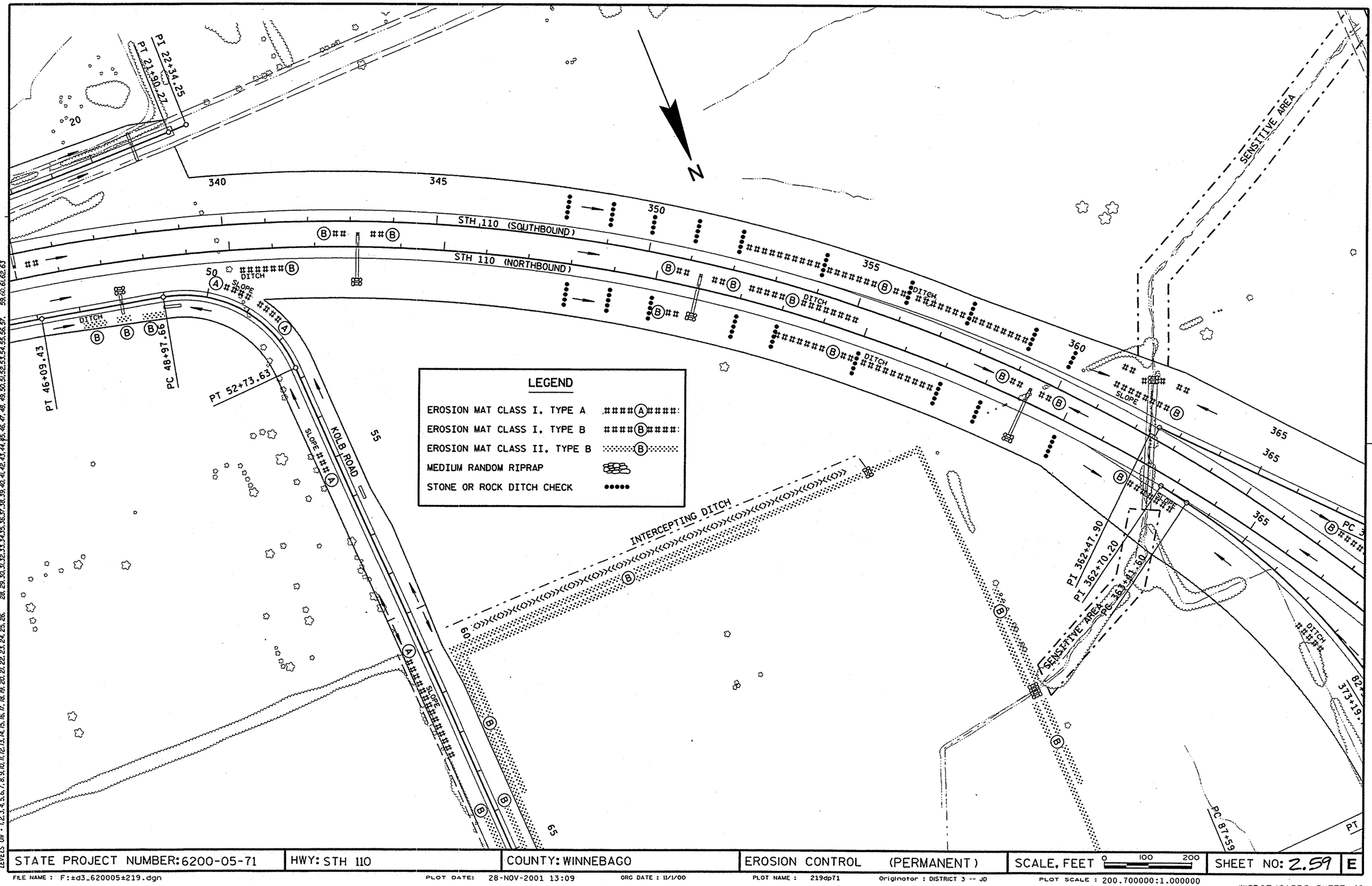
STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	EROSION CONTROL (PERMANENT)	SCALE, FEET 0 100 200	SHEET NO: 2.58	E

FILE NAME : F:±d3_620005±218.dgn PLOT DATE: 28-NOV-2001 13:09 ORG DATE : 11/1/00 PLOT NAME : 218dp71 Originator : DISTRICT 3 -- JD PLOT SCALE : 200.700000:1.000000

WISDOT/CADDS SHEET 42

LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26, 28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57, 59,60,61,62,63

LEVELS ON • 1.2.3.4.5.6.7.8.9.10.11.12.13.14.15.16.17.18.19.20.21.22.23.24.25.26. 28.29.30.31.32.33.34.35.36.37.38.39.40.41.42.43.44.45.46.47.48.49.50.51.52.53.54.55.56.57. 59.60.61.62.63



STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	EROSION CONTROL (PERMANENT)	SCALE, FEET 0 100 200	SHEET NO: 2.59	E

FILE NAME : F:±d3_620005±219.dgn PLOT DATE: 28-NOV-2001 13:09 ORG DATE : 11/1/00 PLOT NAME : 219dp71 Originator : DISTRICT 3 -- JD PLOT SCALE : 200.700000:1.000000

WISDOT/CADDS SHEET 42

LEGEND

EROSION MAT CLASS I, TYPE A ####(A)####

EROSION MAT CLASS I, TYPE B ####(B)####

EROSION MAT CLASS II, TYPE B (B)

MEDIUM RANDOM RIPRAP

SW FRONTAGE ROAD AT STH116

PC 18+55.72

PT 20+41.84

17+66.83 STH 116 EB=

376+08.24 SW RAMP

72+06.52

PC 0+95.73

PT 2+95.73

STH 116

BACK SLOPE

370

375

365

PC 369+04.20

SLOPE

DITCH

PT 375+38.12

77+50.07 STH 116 WB=

374+76.56 NW RAMP

PC 5+57.85

PT 8+32.47

380

PC 379+69.31

PT 381+00.36

385+76.90

PC 14+08.78

PT 15+20.60

385

390

STH 110 (SOUTHBOUND)

STH 110 (NORTHBOUND)

BALL PRAIRIE ROAD

395

CROSS ROAD

82+50.74 STH 116 EB=

373+19.74 SE RAMP

DITCH

375

380

PC 379+07.90

PT 372+43.16

82+31.16 STH 116 WB=

373+78.57 NE RAMP

PT 383+32.05

PT 384+13.06 BK=

383+32.05 AH

PT 384+20.98

PI 386+64.57

PC 87+59.78

PC 0+52.93

PT 5+19.46

PC 8+04.62

PT 15+33.98

PC 23+63.05

PT 26+25.24

CTH 65

PT 91+10.13

PC 89+23.31

PT 89+48.22

81+73.08 STH

0+00 CROSS RD

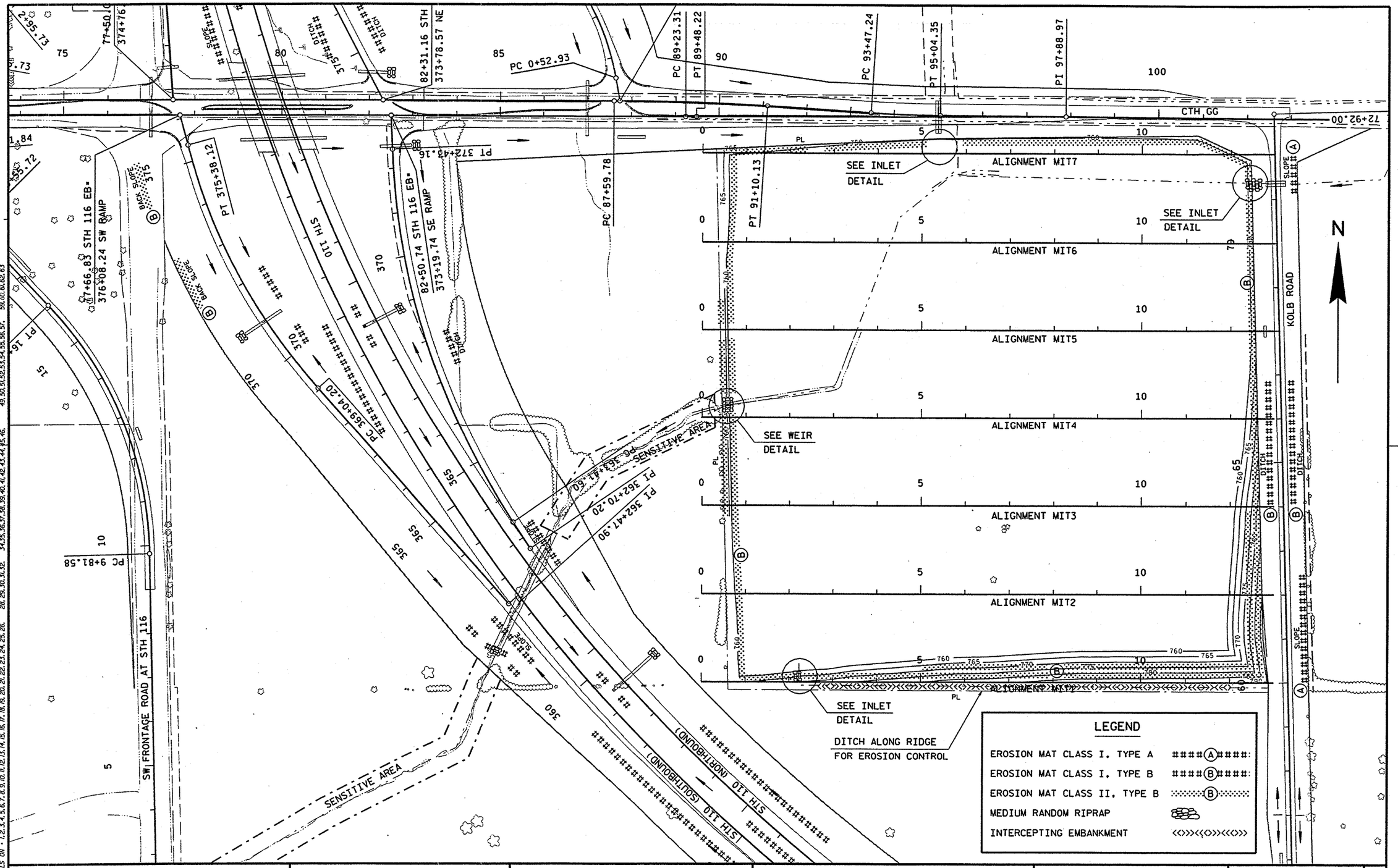
N

STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	EROSION CONTROL (PERMANENT)	SCALE, FEET 0 100 200	SHEET NO: 2.60	E

FILE NAME : F:±d3_620005±220.dgn PLOT DATE: 28-NOV-2001 13:20 ORG DATE : 11/1/00 PLOT NAME : 220dp71 Originator : DISTRICT 3 -- JD PLOT SCALE : 200.700000:1.000000

WISDOT/CADDS SHEET 42

LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26, 28,29,30,31,32, 34,35,36,37,38,39,40,41,42,43,44,45,46, 49,50, 59,60,61,62,63

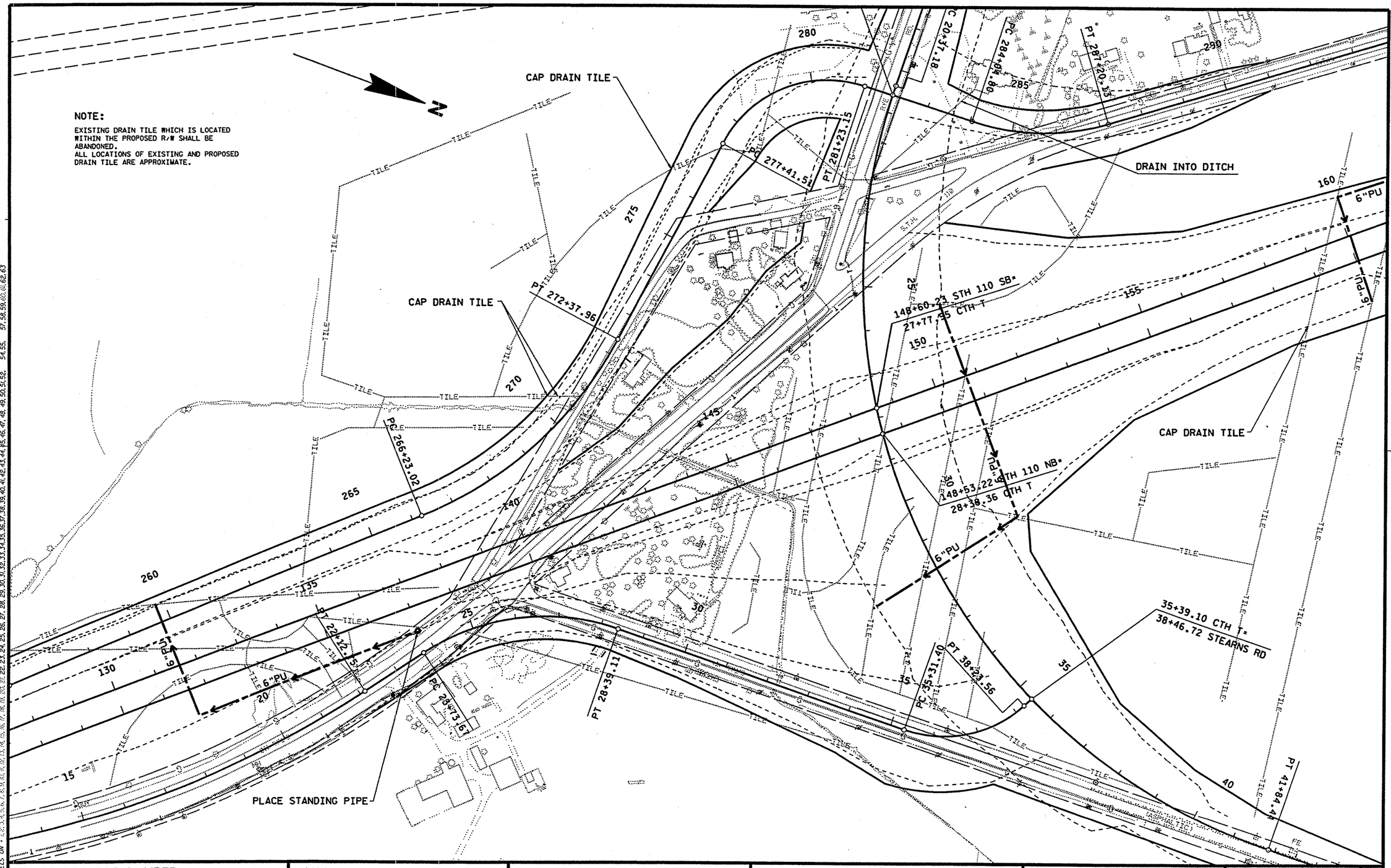


STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	EROSION CONTROL (PERMANENT)	SCALE, FEET 0 100 200	SHEET NO: 2.61 E

FILE NAME : F:±d3_620005±220a.dgn PLOT DATE: 28-NOV-2001 13:09 ORG DATE : 3-6-01 PLOT NAME : 220adp71 Originator : DISTRICT 3 PLOT SCALE : 200.700000:1.000000

WISDOT/CADDS SHEET 42

LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26, 28,29,30,31,32, 34,35,36,37,38,39,40,41,42,43,44,45,46, 49,50,51,52,53,54,55,56,57, 59,60,61,62,63



STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	CONSTRUCTION DETAIL - DRAIN TILE	SCALE, FEET 0 100 200	SHEET NO: 2.62	E

FILE NAME : F:±d3_620005±224.dgn PLOT DATE: 29-JUN-2001 09:00 ORG DATE : 12-19-00 PLOT NAME : 224dd71 Originator : DISTRICT 3 PLOT SCALE : 200.700000:1.000000

WISDOT/CADDS SHEET 42

LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52, 54,55, 57,58,59,60,61,62,63

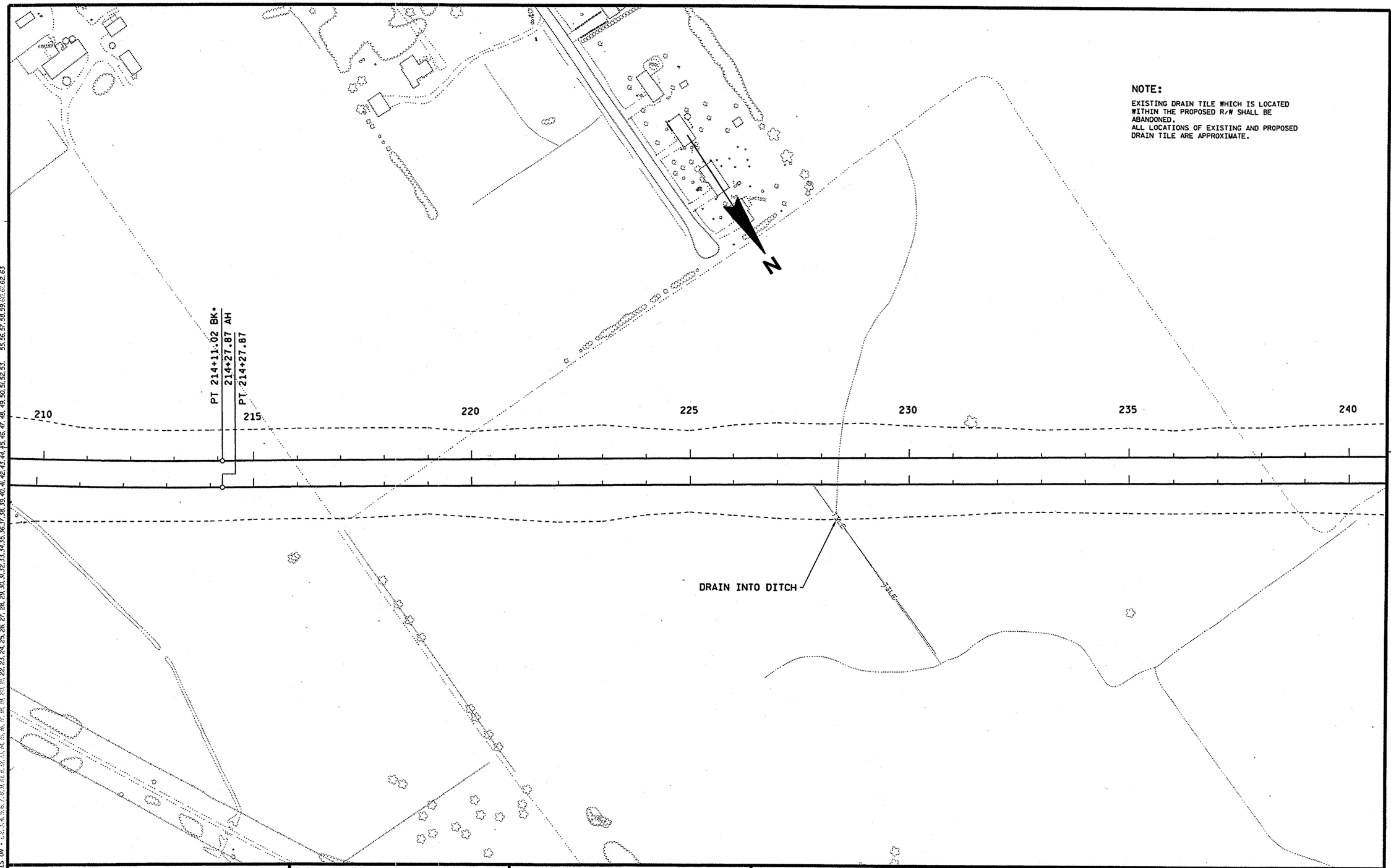
PI 50+00.00
50+13.78 BK
0+00.00 AH
PC 31+05.13
PI 1+50.88
PC 49+12.87
PI 2+04.41
PC 182+08.96
PI 3+03.06
PC 5+45.24
PT 7+29.17
PI 37+72.79
PC 13+18.33
PT 13+65.95
8" PU
PC 27+31.95
PT 27+82.95
TILE
N
NOTE:
EXISTING DRAIN TILE WHICH IS LOCATED WITHIN THE PROPOSED R/W SHALL BE ABANDONED.
ALL LOCATIONS OF EXISTING AND PROPOSED DRAIN TILE ARE APPROXIMATE.

STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	CONSTRUCTION DETAIL - DRAIN TILE	SCALE, FEET 0 100 200	SHEET NO: 2.63	E

FILE NAME : F:±d3_620005±224.dgn PLOT DATE: 21-MAY-2001 11:04 ORG DATE : 4-23-01 PLOT NAME : 224bd Originator : DISTRICT 3 PLOT SCALE : 200.700000:1.000000

WISDOT/CADDS SHEET 42

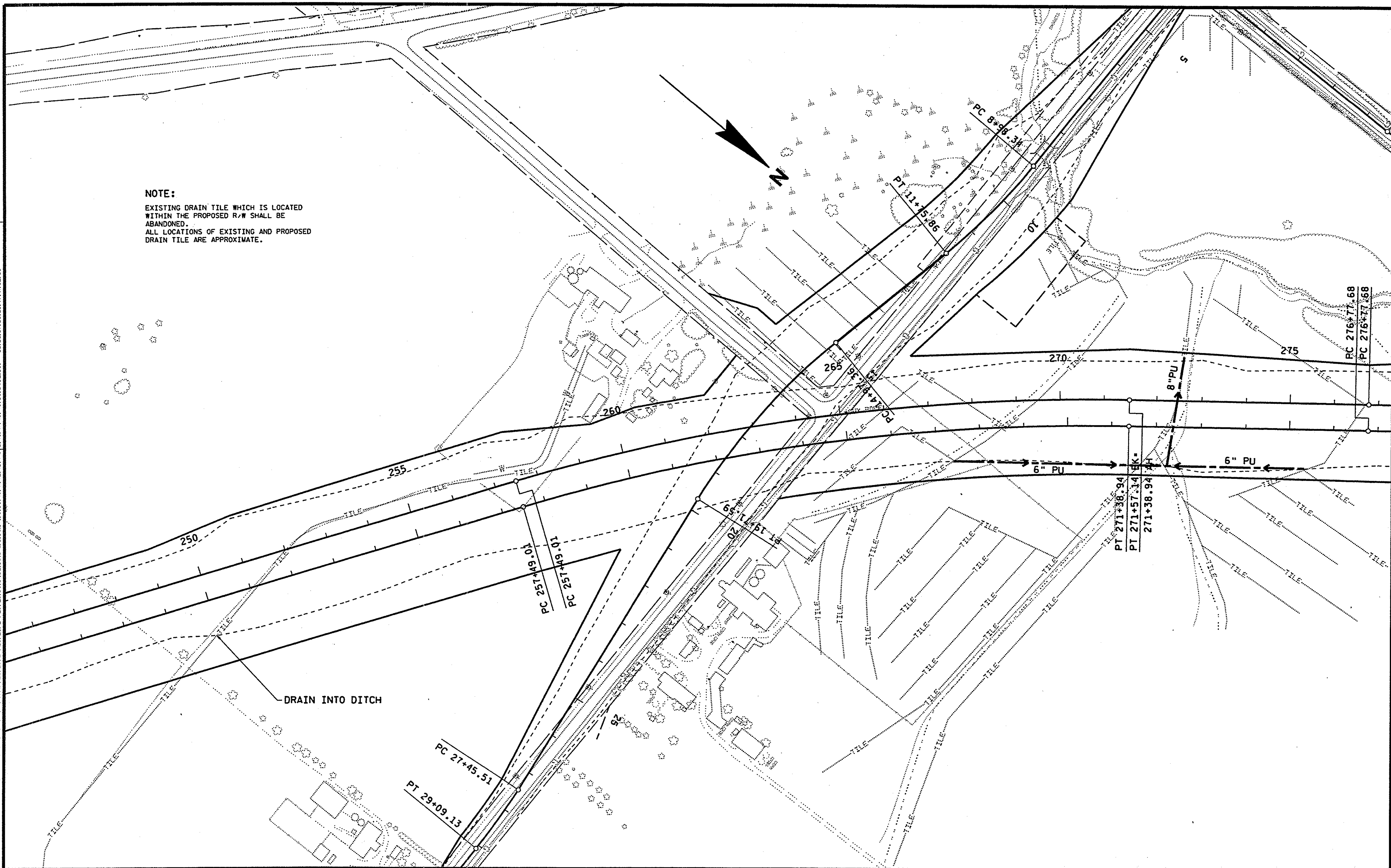
LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53, 55,56,57,58,59,60,61,62,63



STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	CONSTRUCTION DETAIL - DRAIN TILE	SCALE, FEET 0 100 200	SHEET NO: 2.64	E

FILE NAME : F:±d3_620005±224.dgn PLOT DATE: 21-MAY-2001 11:03 ORG DATE : 12-19-00 PLOT NAME : 224cd Originator : DISTRICT 3 PLOT SCALE : 200.700000:1.000000

WISDOT/CADDS SHEET 42


NOTE:
EXISTING DRAIN TILE WHICH IS LOCATED WITHIN THE PROPOSED R/W SHALL BE ABANDONED.
ALL LOCATIONS OF EXISTING AND PROPOSED DRAIN TILE ARE APPROXIMATE.
N
PC 8+98.34
PT 11+75.86
PC 14+97.36
PT 19+71.59
PC 27+45.51
PT 29+09.13
PC 257+49.01
PC 257+49.01
PT 271+38.94
PT 271+57.14 BK=
271+38.94 AH
PC 276+77.68
PC 276+77.68
250
255
260
265
270
275
10
20
25
5
6" PU
6" PU
8"PU
TILE
DRAIN INTO DITCH

STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	CONSTRUCTION DETAIL - DRAIN TILE	SCALE, FEET 0 100 200	SHEET NO: 2.65	E

FILE NAME : F:±d3_620005±224.dgn PLOT DATE: 21-MAY-2001 11:03 ORG DATE : 12-19-00 PLOT NAME : 224dd Originator : DISTRICT 3 PLOT SCALE : 200.700000:1.000000

WISDOT/CADDS SHEET 42

NOTE:

EXISTING DRAIN TILE WHICH IS LOCATED WITHIN THE PROPOSED R/W SHALL BE ABANDONED.
ALL LOCATIONS OF EXISTING AND PROPOSED DRAIN TILE ARE APPROXIMATE.

N

PT 17+51.72

PC 20+94.47

PI 23+16.64

PI 28+53.47

6"PU

CAP DRAIN TILE

PC 18+17.28

PT 19+28.29

PT 311+59.48 BK
312+05.66 AH
PT 312+05.66

285 290 295 300 305 310 315

15 20 25 35 0 5 10 15 20 25

TILE

LEVELS ON - 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53, 55,56,57,58,59,60,61,62,63

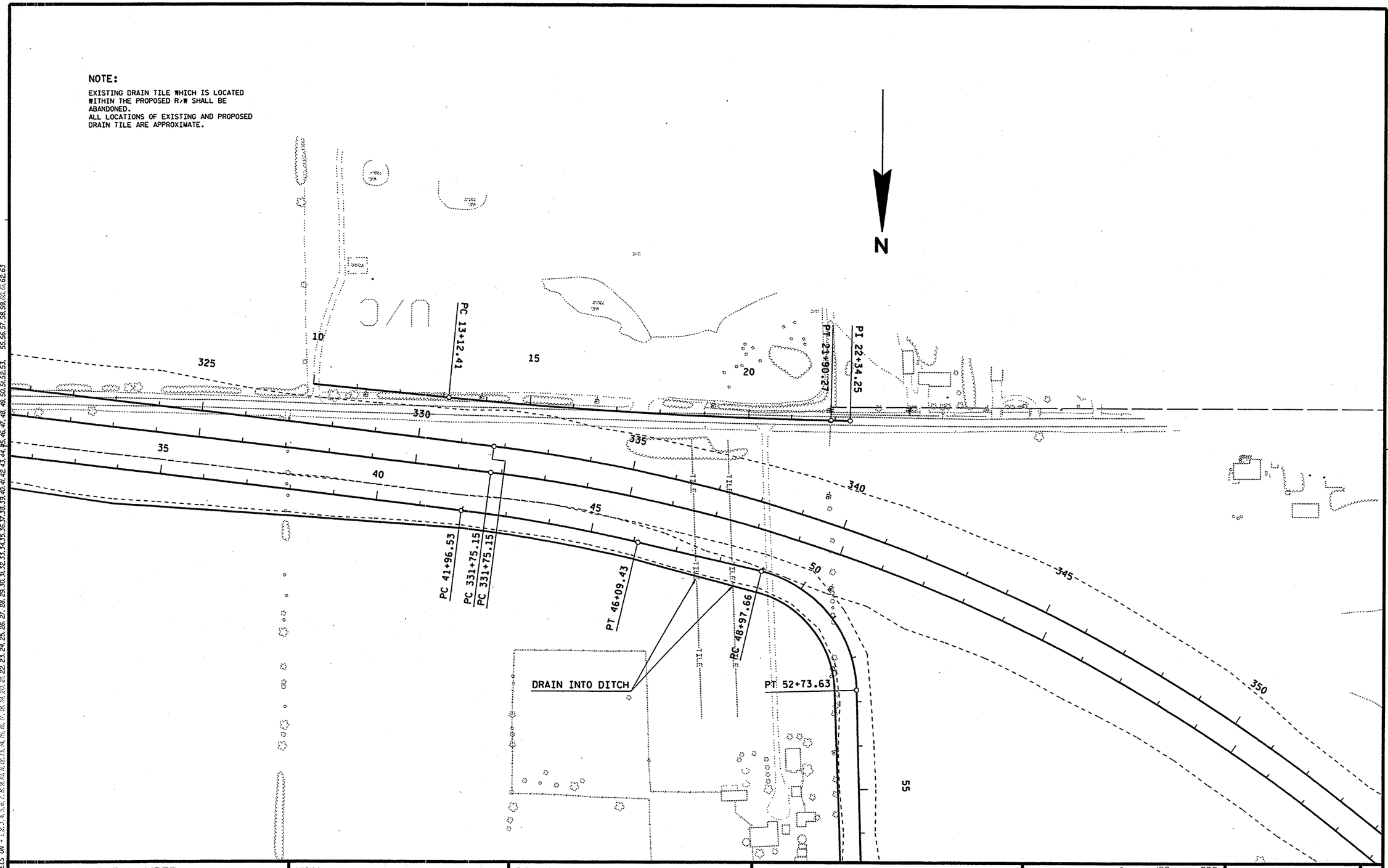
STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	CONSTRUCTION DETAIL - DRAIN TILE	SCALE, FEET 0 100 200	SHEET NO: 2.66	E

FILE NAME : F:±d3_620005±224.dgn PLOT DATE: 21-MAY-2001 14:38 ORG DATE : 12-19-00 PLOT NAME : 224ed Originator : DISTRICT 3 PLOT SCALE : 200.700000:1.000000

WISDOT/CADDS SHEET 42

NOTE:

EXISTING DRAIN TILE WHICH IS LOCATED WITHIN THE PROPOSED R/W SHALL BE ABANDONED.
ALL LOCATIONS OF EXISTING AND PROPOSED DRAIN TILE ARE APPROXIMATE.

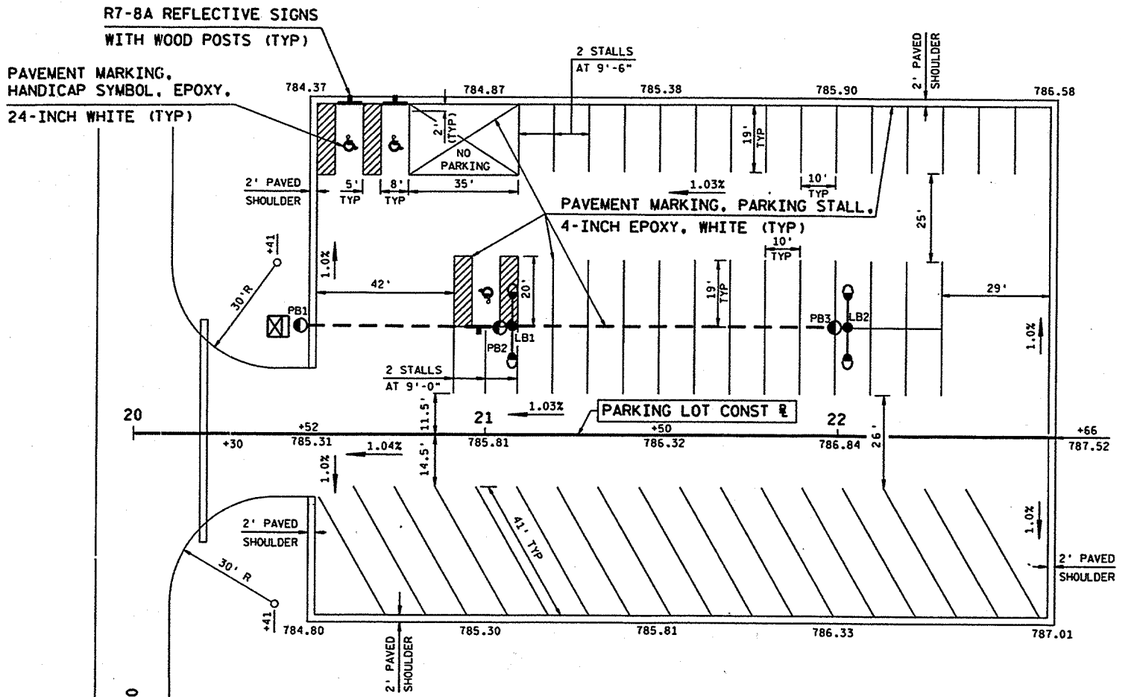


STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	CONSTRUCTION DETAIL - DRAIN TILE	SCALE, FEET 0 100 200	SHEET NO: 2.67	E

FILE NAME : F:±d3_620005±224.dgn PLOT DATE: 21-MAY-2001 11:04 ORG DATE : 4-23-01 PLOT NAME : 224fd Originator : DISTRICT 3 PLOT SCALE : 200.700000:1.000000

WISDOT/CADDS SHEET 42

LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53, 55,56,57,58,59,60,61,62,63



NOTE:
WISDOT DISTRICT 3 ELECTRICAL UNIT WILL PROVIDE AND INSTALL THE ELECTRICAL SERVICE AND CONTROL STATION.

LEGEND

- PULL BOX, 24" X 36"
- CONTROL STATION
- 2" CONDUIT, NON-METALLIC
- LUMINAIRE

NOTE:
ALL GRADES SHOWN ARE FINISHED GRADES

LAYOUT, PAVEMENT MARKING AND LIGHTING FOR PARKING LOT
AT RECREATION TRAIL

OLD STH 110 PARKING LOT
WINNEBAGO CO

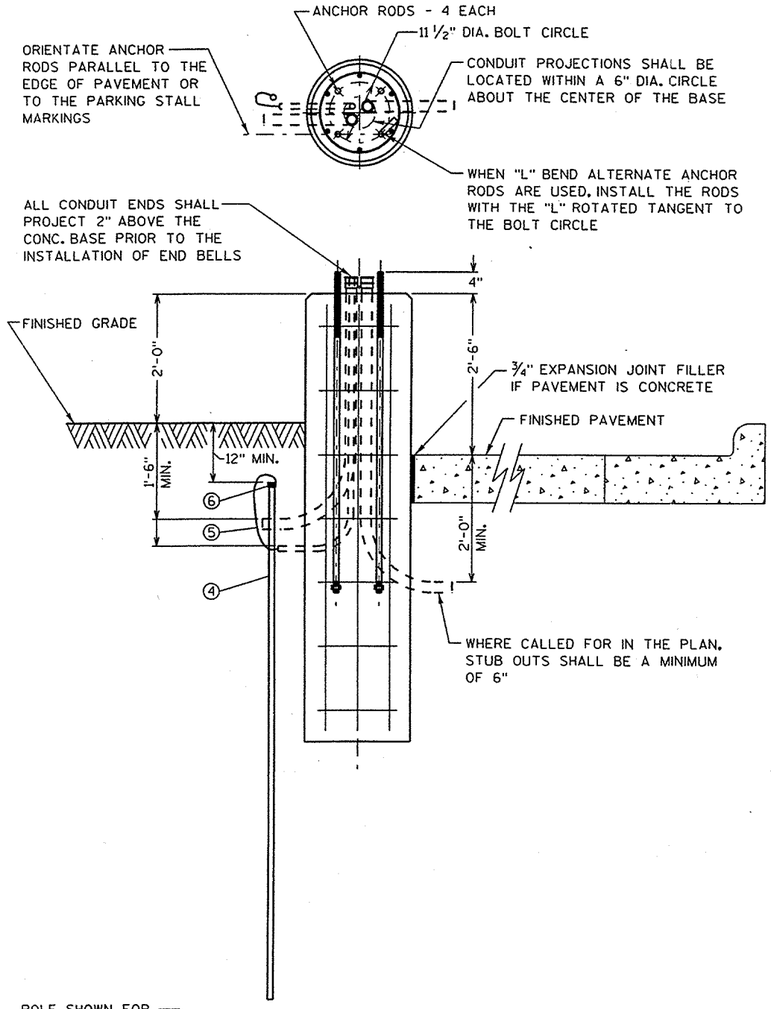
SIGNAL NO. L561
DESIGNED BY RJS
DATE SHEET NO. OF

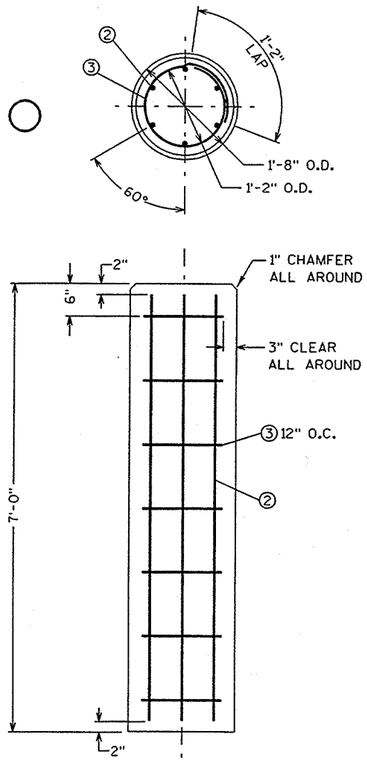
STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	CONSTRUCTION DETAIL	SCALE, FEET	SHEET NO: 2.68	E

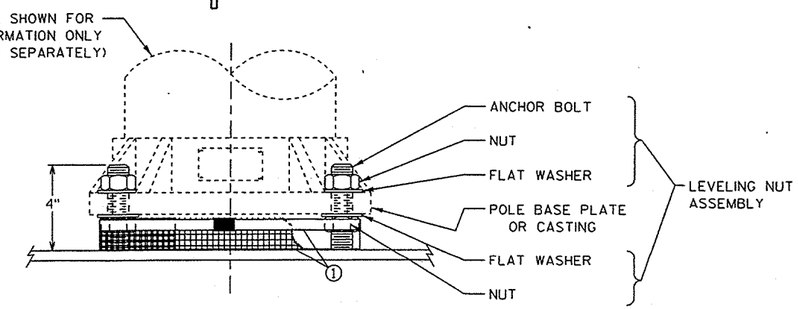
FILE NAME : F:±d3_620005±205.dgn PLOT DATE: 12-SEP-2001 14:20 ORG DATE : 10-24-00 PLOT NAME : 205bd Originator : DISTRICT 3 PLOT SCALE : 40.200000:1.000000

WISDOT/CADDS SHEET 42

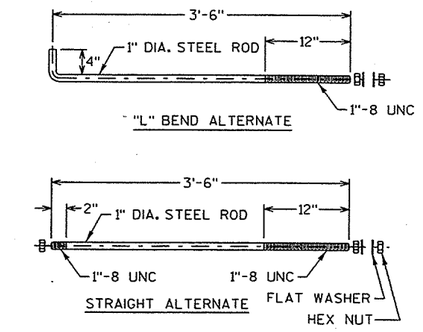
LEVELS ON - 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63







RAT SCREEN & LEVELING NUT DETAIL
(RAT SCREEN AND BANDING INCIDENTAL TO POLE, LEVELING NUT ASSEMBLIES INCIDENTAL TO CONCRETE BASE)



ANCHOR ROD ASSEMBLY DETAIL
(INCIDENTAL TO CONCRETE BASE - 4 EACH PER BASE)

GENERAL NOTES:

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF SECTION 654 OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS.

CONCRETE BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

FORMING SHALL BE LIMITED TO 6" BELOW THE EXISTING GRADE. UNLESS LOOSE SOIL OR FILL IS ENCOUNTERED. FORMING SHALL BE STRIPPED AFTER CONCRETE HAS SET.

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE SOIL OR FILL, THE FORM SHALL BE STRIPPED BEFORE BACK FILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE STRIPPED CONCRETE BASE IN LAYERS OF 6" OR LESS.

TOP SURFACE OF CONCRETE BASES SHALL BE TROWEL FINISHED AND LEVEL.

THE NUMBER, SIZE, AND LOCATION OF LINE AND LOAD SIDE CONDUITS WILL BE SHOWN IN THE PLANS. NOTE, SOME BASES MAY HAVE MORE THAN ONE LOAD SIDE CONDUIT REQUIRED (SEE THE PLAN). ALL BASES SHALL HAVE A 1" CONDUIT FOR THE EQUIPMENT GROUNDING CONDUCTOR.

CONDUIT ENDS PROJECTING ABOVE THE BASE SHALL BE SUITABLY PLUGGED BEFORE THE CONCRETE IS POURED, TO PREVENT DEBRIS CONTAMINATION OF THE RACEWAY.

ENDS OF CONDUIT INSTALLED BELOW GRADE FOR FUTURE USE (STUB OUTS) SHALL BE PLUGGED.

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE INSTALLED WITH A MINIMUM OF 6'-6" OF SLACK MEASURED FROM THE TOP OF THE CONCRETE BASE TO THE END OF THE CONDUCTOR. THE SLACK SHALL BE NEATLY TIED IN A COIL THAT FITS INSIDE THE ANCHOR BOLT CIRCLE UNTIL THE LIGHT POLE IS INSTALLED. GREAT CARE SHALL BE EXERCISED TO AVOID DAMAGE TO THE CONDUCTOR.

THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24". THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18". THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36". THE MAXIMUM DEPTH MAY ONLY BE EXCEEDED WITH THE WRITTEN APPROVAL OF THE ENGINEER.

ANCHOR RODS SHALL NOT BE WELDED TO THE BAR STEEL REINF. HOWEVER, TIE WIRES MAY BE USED.

BAR STEEL REINF. SHALL BE "COATED HIGH STRENGTH BAR STEEL REINFORCEMENT".

① STAINLESS STEEL MESH (RAT SCREEN) AND ¾" STAINLESS STEEL BANDING

② NO. 6 BAR STEEL REINF., 6'-8" LONG (6 EACH)

③ NO. 4 BAR STEEL REINF., 5'-0" LONG (7 EACH)

④ ⅝" × 8'-0" COPPER CLAD EQUIPMENT GROUNDING ELECTRODE (GROUND ROD) TOP OF ROD 12" MIN. BELOW FINISHED GRADE OR FINISHED PAVEMENT.

⑤ A NO. 4 AWG, STRANDED COPPER GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUNDING ROD)

⑥ EXOTHERMIC WELD (CAD WELD)

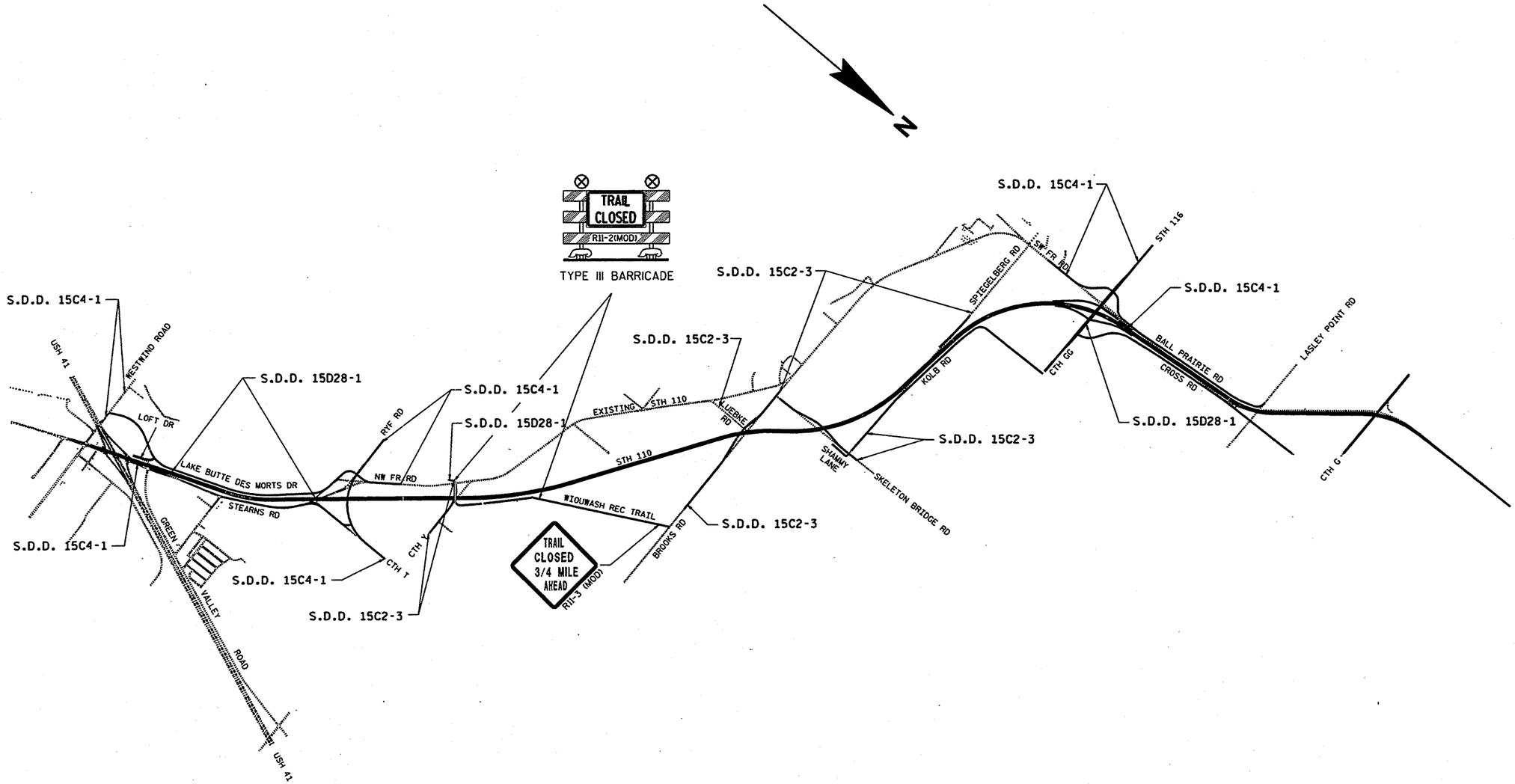
CONCRETE BASE, TYPE 5, SPECIAL

(1" ANCHOR RODS, 11.5" BOLT CIRCLE, 4" PROJECTION)

PLOTTED BY: $USER$
PLOT DATE: $DATE$
FILE NAME: D2-L_DETAIL/CBT5SP.DGN

STATE PROJECT NO: 6200-05-71/76	SCALE: NTS	HWY: STH 110	COUNTY: WINNEBAGO	LIGHTING DETAIL-CONC. BASE, TYPE 5, SPECIAL	SHEET NO: 2.69	E

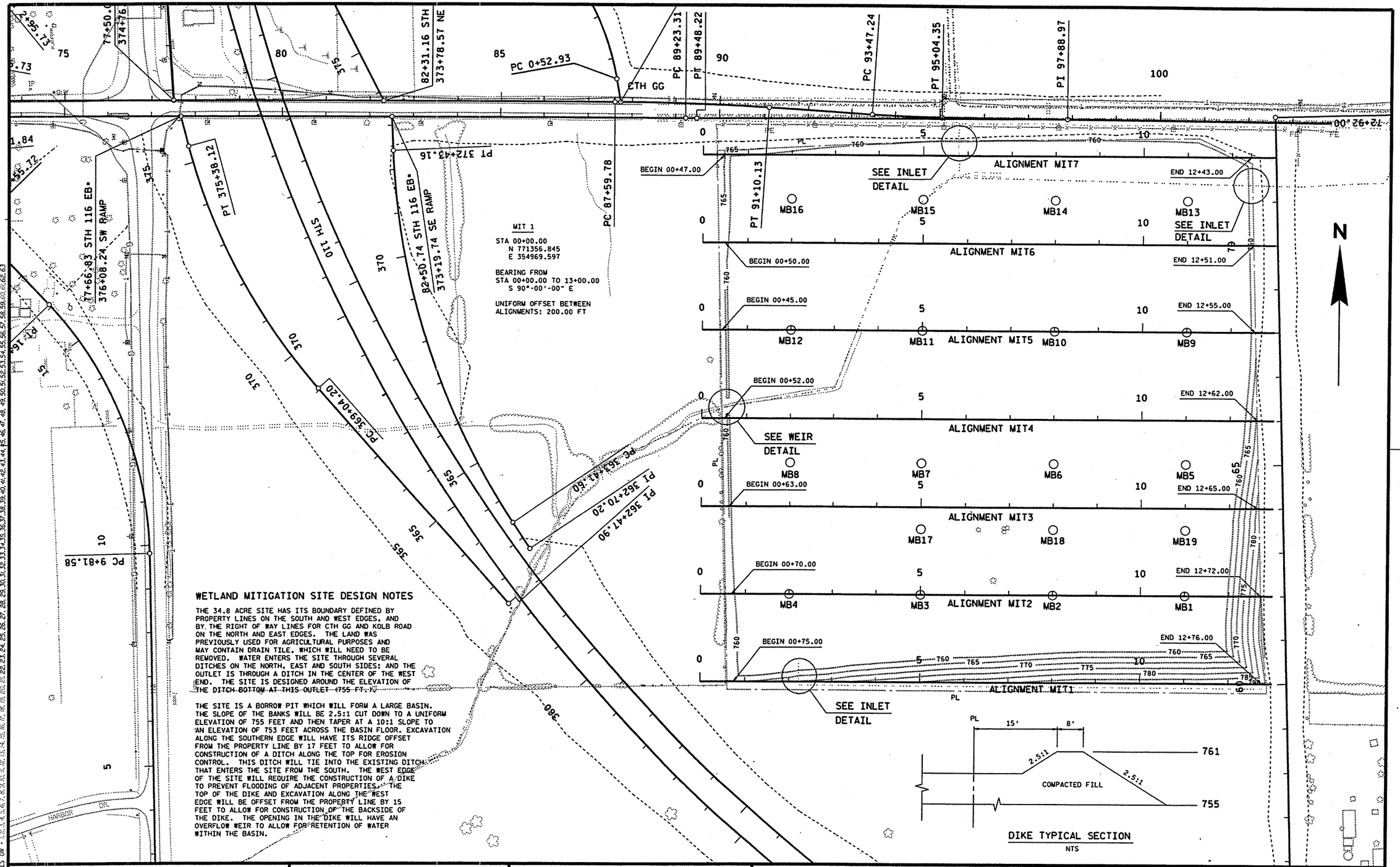
FILE NAME: F:\D3_TRAFFI\CBT5SP.DGN



STATE PROJECT NUMBER:6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	TRAFFIC CONTROL OVERVIEW	SCALE, FEET	SHEET NO: 2.70	E

LEVELS ON : 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

FILE NAME : F:±d3_620005±242.dgn PLOT DATE: 17-SEP-2001 08:42 ORG DATE : 9-13-01 PLOT NAME : 242tc Originator : DISTRICT 3 PLOT SCALE : 3009.090947:1.000000 WISDOT/CADDS SHEET 42



STATE PROJECT NUMBER:6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	WETLAND MITIGATION SITE ALIGNMENT	SCALE, FEET 0 100 200	SHEET NO: 2.71	E

FILE NAME : F:±d3_620005±225.dgn PLOT DATE: 12-SEP-2001 16:11 ORG DATE : PLOT NAME : 225 Originator : DISTRICT 3 PLOT SCALE : 200.606061:1.000000

WISDOT/CADDS SHEET 42

LEVELS ON : 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	6200-05-71 QUANTITY
0010	10843	RELATIONSHIP BAR CHART PROGRESS SCHEDULE	LS	1.00	1.00
0020	20101	CLEARING	STA.	193.00	193.00
0030	20102	CLEARING	I.D.	170.00	170.00
0040	20104	GRUBBING	STA.	151.00	151.00
0050	20105	GRUBBING	I.D.	152.00	152.00
0060	20330	REMOVING OLD CULVERTS	EACH	33.00	33.00
0070	20352	REMOVING OLD BRIDGE, STATION 8+60	LS	1.00	1.00
0080	20401	REMOVING PAVEMENT	S.Y.	1,735.00	1,735.00
0090	20411	REMOVING GUARDRAIL	L.F.	140.00	140.00
0100	20412	REMOVING FENCE	L.F.	4,600.00	4,600.00
0110	20417	REMOVING SEPTIC TANKS	EACH	4.00	4.00
0120	20419	REMOVING ASPHALTIC SURFACE, BUTT JOINTS	S.Y.	147.00	147.00
0130	20470	REMOVING BUILDINGS, PARCEL 1	LS	1.00	1.00
0140	20471	REMOVING BUILDINGS, PARCEL 3	LS	1.00	1.00
0150	20472	REMOVING BUILDINGS, PARCEL 5	LS	1.00	1.00
0160	20473	REMOVING BUILDINGS, PARCEL 20	LS	1.00	1.00
0170	20474	REMOVING BUILDINGS, PARCEL 12	LS	1.00	1.00
0180	20475	REMOVING BUILDINGS, PARCEL 2	LS	1.00	1.00
0190	20476	REMOVING BUILDINGS, PARCEL 44	LS	1.00	1.00
0200	20483	ABANDONING WELLS	EACH	4.00	4.00
0210	20484	SITE CLEARANCE, PARCEL 2	LS	1.00	1.00
0220	20485	SITE CLEARANCE, PARCEL 5	LS	1.00	1.00
0230	20486	SITE CLEARANCE, PARCEL 6	LS	1.00	1.00
0240	20487	SITE CLEARANCE, PARCEL 33	LS	1.00	1.00
0250	20501	COMMON EXCAVATION	C.Y.	351,265.00	351,265.00
0260	20502	ROCK EXCAVATION	C.Y.	180,194.00	180,194.00
0270	20505	MARSH EXCAVATION	C.Y.	35,715.00	35,715.00
0280	20610	EXCAVATION FOR STRUCTURES, BRIDGES B-70-211	LS	1.00	1.00
0290	20611	EXCAVATION FOR STRUCTURES, BRIDGES B-70-212	LS	1.00	1.00
0300	20612	EXCAVATION FOR STRUCTURES, BRIDGES B-70-213	LS	1.00	1.00
0310	20613	EXCAVATION FOR STRUCTURES, BRIDGES B-70-217	LS	1.00	1.00
0320	20614	EXCAVATION FOR STRUCTURES, BRIDGES B-70-220	LS	1.00	1.00

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	6200-05-71 QUANTITY
0330	20620	EXCAVATION FOR STRUCTURES, CULVERTS B-70-234	LS	1.00	1.00
0340	20621	EXCAVATION FOR STRUCTURES, CULVERTS B-70-241	LS	1.00	1.00
0350	20801	BORROW EXCAVATION	C.Y.	110,587.00	110,587.00
0360	20811	SELECTED BORROW EXCAVATION	C.Y.	35,715.00	35,715.00
0370	21001	STRUCTURE BACKFILL	C.Y.	5,380.00	5,380.00
0380	21101	PREPARATION OF FOUNDATION FOR ASPHALTIC PAVING	LS	1.00	1.00
0390	21301	FINISHING ROADWAY	LS	1.00	1.00
0400	21401	OBLITERATING OLD ROAD	STA.	4.00	4.00
0410	30404	CRUSHED AGGREGATE BASE COURSE	TON	48,826.00	48,826.00
0420	30426	BREAKER RUN STONE	TON	29,160.00	29,160.00
0430	40204	ASPHALTIC MATERIAL FOR TACK COAT	GAL.	1,551.00	1,551.00
0440	40301	QMP, ASPHALTIC MIXTURE	TON	14,480.00	14,480.00
0450	40501	ASPHALTIC MATERIAL FOR PLANT MIXES	TON	882.00	882.00
0460	40721	ASPHALTIC CONCRETE PAVEMENT, TYPE E-0.3	TON	9,573.00	9,573.00
0470	40722	ASPHALTIC CONCRETE PAVEMENT, TYPE E-1	TON	4,907.00	4,907.00
0480	40728	DENSITY INCENTIVE, ASPHALTIC CONCRETE PAVEMENT	DOL	9,280.00	9,280.00
0490	41508	CONCRETE PAVEMENT, 8-INCH	S.Y.	12,978.00	12,978.00
0500	50201	CONCRETE MASONRY, BRIDGES	C.Y.	2,931.00	2,931.00
0510	50265	PROTECTIVE SURFACE TREATMENT	S.Y.	7,130.00	7,130.00
0520	50301	PRESTRESSED GIRDER, I TYPE, 28-INCH	L.F.	4,940.00	4,940.00
0530	50307	PRESTRESSED GIRDER, I TYPE, 54-INCH	L.F.	3,214.00	3,214.00
0540	50401	CONCRETE MASONRY, CULVERTS	C.Y.	1,261.00	1,261.00
0550	50405	CONCRETE MASONRY, RETAINING WALLS	C.Y.	96.00	96.00
0560	50409	CONCRETE MASONRY, ENDWALLS	C.Y.	12.00	12.00
0570	50504	HIGH STRENGTH BAR STEEL REINFORCEMENT, BRIDGES	LB.	161,062.00	161,062.00
0580	50505	HIGH STRENGTH BAR STEEL REINFORCEMENT, CULVERTS	LB.	43,650.00	43,650.00
0590	50511	COATED HIGH STRENGTH BAR STEEL REINFORCEMENT, BRIDGES	LB.	462,805.00	462,805.00
0600	50513	COATED HIGH STRENGTH BAR STEEL REINFORCEMENT, RETAINING WALLS	LB.	9,580.00	9,580.00
0610	50626	NON-LAMINATED ELASTOMERIC BEARING PADS	EACH	163.00	163.00
0620	50640	STEEL DIAPHRAGMS, STRUCTURE B-70-211	EACH	30.00	30.00

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	6200-05-71 QUANTITY
0630	50641	STEEL DIAPHRAGMS, STRUCTURE B-70-212	EACH	25.00	25.00
0640	50642	STEEL DIAPHRAGMS, STRUCTURE B-70-213	EACH	25.00	25.00
0650	50643	STEEL DIAPHRAGMS, STRUCTURE B-70-217	EACH	24.00	24.00
0660	50644	STEEL DIAPHRAGMS, STRUCTURE B-70-220	EACH	24.00	24.00
0670	51030	CAST IN PLACE CONCRETE PILING, DELIVERED AND DRIVEN, 10 3/4-INCH	L.F.	2,825.00	2,825.00
0680	51031	CAST IN PLACE CONCRETE PILING, DELIVERED AND DRIVEN, 12-INCH	L.F.	6,080.00	6,080.00
0690	51121	STEEL PILING, DELIVERED AND DRIVEN, HP 10-INCH 42 POUND	L.F.	1,780.00	1,780.00
0700	51605	RUBBERIZED MEMBRANE WATERPROOFING	S.Y.	222.00	222.00
0710	52003	CULVERT PIPE, CLASS III, 18-INCH	L.F.	2,068.00	2,068.00
0720	52005	CULVERT PIPE, CLASS III, 24-INCH	L.F.	46.00	46.00
0730	52007	CULVERT PIPE, CLASS III, 30-INCH	L.F.	780.00	780.00
0740	52023	CULVERT PIPE, CLASS IV, 18-INCH	L.F.	350.00	350.00
0750	52027	CULVERT PIPE, CLASS IV, 30-INCH	L.F.	400.00	400.00
0760	52029	CULVERT PIPE, CLASS IV, 36-INCH	L.F.	342.00	342.00
0770	52061	APRON ENDWALLS FOR CULVERT PIPE, 18-INCH	EACH	34.00	34.00
0780	52065	APRON ENDWALLS FOR CULVERT PIPE, 30-INCH	EACH	7.00	7.00
0790	52067	APRON ENDWALLS FOR CULVERT PIPE, 36-INCH	EACH	2.00	2.00
0800	52105	CORRUGATED STEEL CULVERT PIPE, 18-INCH	L.F.	92.00	92.00
0810	52136	CORRUGATED STEEL PIPE ARCH, 21X15-INCH	L.F.	48.00	48.00
0820	52140	CORRUGATED STEEL PIPE ARCH, 42X29-INCH	L.F.	96.00	96.00
0830	52142	CORRUGATED STEEL PIPE ARCH, 57X38-INCH	L.F.	640.00	640.00
0840	52151	STEEL APRON ENDWALLS FOR CULVERT PIPE, 24-INCH	EACH	2.00	2.00
0850	52166	STEEL APRON ENDWALLS FOR PIPE ARCH, 42X29-INCH	EACH	2.00	2.00
0860	52178	STEEL APRON ENDWALLS FOR CULVERT PIPE, SLOPED SECTION, 18-INCH	EACH	42.00	42.00
0870	52180	STEEL APRON ENDWALLS FOR CULVERT PIPE, SLOPED SECTION, 24-INCH	EACH	2.00	2.00
0880	52181	STEEL APRON ENDWALLS FOR CULVERT PIPE, SLOPED SECTION, 30-INCH	EACH	3.00	3.00
0890	52182	STEEL APRON ENDWALLS FOR CULVERT PIPE, SLOPED SECTION, 36-INCH	EACH	2.00	2.00
0900	52191	STEEL APRON ENDWALLS FOR PIPE ARCH, SLOPED SECTION, 21X15-INCH	EACH	2.00	2.00

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	6200-05-71 QUANTITY
0910	52197	STEEL APRON ENDWALLS FOR PIPE ARCH, SLOPED SECTION, 57X38-INCH	EACH	4.00	4.00
0920	52203	REINFORCED CONCRETE CULVERT PIPE, CLASS III, 18-INCH	L.F.	1,454.00	1,454.00
0930	52205	REINFORCED CONCRETE CULVERT PIPE, CLASS III, 24-INCH	L.F.	408.00	408.00
0940	52212	REINFORCED CONCRETE CULVERT PIPE, CLASS III, 54-INCH	L.F.	596.00	596.00
0950	52227	REINFORCED CONCRETE CULVERT PIPE, CLASS IV, 18-INCH	L.F.	1,328.00	1,328.00
0960	52260	REINFORCED CONCRETE APRON ENDWALLS FOR CULVERT PIPE, 12-INCH	EACH	16.00	16.00
0970	52262	REINFORCED CONCRETE APRON ENDWALLS FOR CULVERT PIPE, 18-INCH	EACH	32.00	32.00
0980	52264	REINFORCED CONCRETE APRON ENDWALLS FOR CULVERT PIPE, 24-INCH	EACH	6.00	6.00
0990	52266	REINFORCED CONCRETE APRON ENDWALLS FOR CULVERT PIPE, 30-INCH	EACH	6.00	6.00
1000	52270	REINFORCED CONCRETE APRON ENDWALLS FOR CULVERT PIPE, 54-INCH	EACH	6.00	6.00
1010	52340	REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CULVERT PIPE, CLASS HE-III, 29X45-INCH	L.F.	344.00	344.00
1020	52342	REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CULVERT PIPE, CLASS HE-III, 34X53-INCH	L.F.	400.00	400.00
1030	52344	REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CULVERT PIPE, CLASS HE-III, 43X68-INCH	L.F.	352.00	352.00
1040	52365	REINFORCED CONCRETE APRON ENDWALLS FOR HORIZONTAL ELLIP. CULVERT PIPE, 29X45-INCH	EACH	4.00	4.00
1050	52367	REINFORCED CONCRETE APRON ENDWALLS FOR HORIZONTAL ELLIP. CULVERT PIPE, 34X53-INCH	EACH	4.00	4.00
1060	52369	REINFORCED CONCRETE APRON ENDWALLS FOR HORIZONTAL ELLIP. CULVERT PIPE, 43X68-INCH	EACH	4.00	4.00
1070	60113	CONCRETE GUTTER 24-INCH	L.F.	455.00	455.00
1080	60133	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D	L.F.	7,400.00	7,400.00
1090	60136	CONCRETE CURB AND GUTTER, 30-INCH, TYPE J	L.F.	450.00	450.00
1100	60204	CONCRETE SIDEWALK, 4-INCH	S.F.	2,350.00	2,350.00
1110	60302	CONCRETE BARRIER, SINGLE-FACED	L.F.	450.00	450.00
1120	60405	SLOPE PAVING, CRUSHED AGGREGATE	S.Y.	310.00	310.00
1130	60602	HEAVY RIPRAP	C.Y.	886.00	886.00
1140	60604	MEDIUM RANDOM RIPRAP	C.Y.	585.00	585.00

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	6200-05-71 QUANTITY
1150	60721	ROCK EXCAVATION FOR STORM SEWER	C.Y.	15.00	15.00
1160	60825	REINFORCED CONCRETE PIPE, CLASS III, STORM SEWER, 12-INCH	L.F.	937.00	937.00
1170	61122	INLETS, TYPE 3	EACH	30.00	30.00
1180	61123	INLETS, TYPE 8	EACH	17.00	17.00
1190	61124	INLETS, TYPE 9	EACH	1.00	1.00
1200	61167	INLET COVERS, TYPE H	EACH	30.00	30.00
1210	61170	INLET COVERS, TYPE MS	EACH	33.00	33.00
1220	61201	PIPE UNDERDRAIN, 6-INCH	L.F.	4,030.00	4,030.00
1230	61202	PIPE UNDERDRAIN, 8-INCH	L.F.	1,145.00	1,145.00
1240	61211	PIPE UNDERDRAIN, UNPERFORATED, 6-INCH	L.F.	165.00	165.00
1250	61251	DRAIN TILE EXPLORATION	L.F.	4,290.00	4,290.00
1260	61407	STEEL THRIE BEAM STRUCTURE APPROACH	L.F.	397.80	397.80
1270	61408	STEEL PLATE BEAM GUARD, CLASS A	L.F.	150.00	150.00
1280	61409	STEEL PLATE BEAM GUARD, CLASS B	L.F.	200.00	200.00
1290	61422	MARKER POSTS FOR RIGHT-OF-WAY	EACH	246.00	246.00
1300	61433	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	20.00	20.00
1310	61435	STEEL PLATE BEAM GUARD, ENERGY ABSORBING TERMINAL	EACH	12.00	12.00
1320	61801	MAINTENANCE AND REPAIR OF HAUL ROADS	LS	1.00	1.00
1330	61910	MOBILIZATION	LS	1.00	1.00
1340	62111	LANDMARK REFERENCE MONUMENTS AND CAST IRON COVERS	EACH	60.00	60.00
1350	62401	WATER	MGAL	662.00	662.00
1360	62501	TOPSOIL	S.Y.	3,492.00	3,492.00
1370	62505	SALVAGED TOPSOIL	S.Y.	567,248.00	567,248.00
1380	62703	MULCHING	TON	308.00	308.00
1390	62811	EROSION BALES, DELIVERED	EACH	2,019.00	2,019.00
1400	62812	EROSION BALES, INSTALLED	EACH	2,019.00	2,019.00
1410	62815	SILT FENCE, DELIVERED	L.F.	19,625.00	19,625.00
1420	62816	SILT FENCE, INSTALLED	L.F.	19,625.00	19,625.00
1430	62817	SILT FENCE MAINTENANCE	L.F.	19,625.00	19,625.00
1440	62819	MOBILIZATIONS, EROSION CONTROL	EACH	6.00	6.00
1450	62820	CLEANING SEDIMENT BASINS	C.Y.	187.00	187.00
1460	62821	MOBILIZATIONS, EMERGENCY EROSION CONTROL	EACH	4.00	4.00

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	6200-05-71 QUANTITY
1470	62822	EROSION MAT, DELIVERED, CLASS I, TYPE A	S.Y.	34,000.00	34,000.00
1480	62823	EROSION MAT, INSTALLED, CLASS I, TYPE A	S.Y.	34,000.00	34,000.00
1490	62824	EROSION MAT, DELIVERED, CLASS I, TYPE B	S.Y.	40,960.00	40,960.00
1500	62825	EROSION MAT, INSTALLED, CLASS I, TYPE B	S.Y.	40,960.00	40,960.00
1510	62832	EROSION MAT, DELIVERED, CLASS II, TYPE B	S.Y.	67,850.00	67,850.00
1520	62833	EROSION MAT, INSTALLED, CLASS II, TYPE B	S.Y.	67,850.00	67,850.00
1530	62860	TURBIDITY BARRIERS	S.Y.	558.00	558.00
1540	62866	SOIL STABILIZER, TYPE B	ACRE	4.80	4.80
1550	62872	INLET PROTECTION, TYPE C	EACH	30.00	30.00
1560	62905	FERTILIZER, TYPE B	CWT.	464.00	464.00
1570	63003	SEEDING, TEMPORARY	LB.	19,726.00	19,726.00
1580	63008	SEEDING, MIXTURE NO. 10	LB.	5,056.00	5,056.00
1590	63010	SEEDING, MIXTURE NO. 30	LB.	8,423.00	8,423.00
1600	63011	SEEDING, MIXTURE NO. 40	LB.	163.00	163.00
1610	63013	SEEDING, MIXTURE NO. 60	LB.	1,673.00	1,673.00
1620	63401	WOOD POSTS, 4X4-INCH X 10-FT.	EACH	3.00	3.00
1630	63702	SIGNS, TYPE II, REFLECTIVE	S.F.	4.50	4.50
1640	64220	FIELD OFFICE, TYPE C	LS	1.00	1.00
1650	64301	TRAFFIC CONTROL	LS	1.00	1.00
1660	64313	TRAFFIC CONTROL, DRUMS	DAYS	21,840.00	21,840.00
1670	64318	TRAFFIC CONTROL, BARRICADES, TYPE III	DAYS	14,710.00	14,710.00
1680	64321	TRAFFIC CONTROL, WARNING LIGHTS, TYPE A	DAYS	22,020.00	22,020.00
1690	64326	TRAFFIC CONTROL, SIGNS	DAYS	15,800.00	15,800.00
1700	64503	GEOTEXTILE FABRIC, TYPE DF	S.Y.	3,636.00	3,636.00
1710	64505	GEOTEXTILE FABRIC, TYPE R	S.Y.	1,672.00	1,672.00
1720	64506	GEOTEXTILE FABRIC, TYPE HR	S.Y.	1,075.00	1,075.00
1730	64507	GEOTEXTILE FABRIC, TYPE C	S.Y.	1,800.00	1,800.00
1740	64602	PAVEMENT MARKING, 4-INCH, EPOXY	L.F.	36,546.00	36,546.00
1750	64750	PAVEMENT MARKING, SYMBOLS, EPOXY	EACH	3.00	3.00
1760	64786	PAVEMENT MARKING, PARKING STALL, EPOXY	L.F.	2,477.00	2,477.00
1770	65045	CONSTRUCTION STAKING, SUBGRADE	L.F.	85,338.00	85,338.00
1780	65050	CONSTRUCTION STAKING, CRUSHED AGGREGATE BASE COURSE	L.F.	23,007.00	23,007.00

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	6200-05-71 QUANTITY
1790	65055	CONSTRUCTION STAKING, CURB, GUTTER, AND CURB AND GUTTER	L.F.	7,158.00	7,158.00
1800	65070	CONSTRUCTION STAKING, CONCRETE PAVEMENT	L.F.	2,650.00	2,650.00
1810	65219	NONMETALLIC CONDUIT, SCHEDULE 40, 2-INCH	L.F.	165.00	165.00
1820	65306	PULL BOXES, STEEL, 24X36-INCH	EACH	3.00	3.00
1830	65566	ELECTRICAL WIRE, LIGHTING, NO. 12	L.F.	1,260.00	1,260.00
1840	65705	POLES, TYPE 5	EACH	2.00	2.00
1850	65905	LUMINAIRES, UTILITY, 250 WATTS	EACH	4.00	4.00
1860	65927	LUMINAIRE ARMS, SINGLE MEMBER, 4 1/2-INCH CLAMP, 8-FOOT	EACH	4.00	4.00
1870	66501	SAWING EXISTING PAVEMENT	L.F.	517.00	517.00
1880	90004	MISC 90004A BORROW PIT TRACKING PAD	LS	1.00	1.00
1890	90004	MISC 90004B ASBESTOS REMOVAL	LS	1.00	1.00
1900	90005	MISC 90005A WEIR PLATE	EACH	1.00	1.00
1910	90005	MISC 90005B EROSION CONTROL, FILTER BAGS, DELIVERED	EACH	1,689.00	1,689.00
1920	90005	MISC 90005C EROSION CONTROL, FILTER BAGS, INSTALLED	EACH	1,689.00	1,689.00
1930	90005	MISC 90005D EROSION CONTROL FILTER BAGS, MAINTAINED	EACH	1,689.00	1,689.00
1940	90005	MISC 90005E BASIN LYSIMETER	EACH	1.00	1.00
1950	90005	MISC 90005F STONE OR ROCK DITCH CHECKS	EACH	83.00	83.00
1960	90005	MISC 90005G CONCRETE BASE, TYPE 5, SPECIAL	EACH	2.00	2.00
1970	90005	MISC 90005H INLETS, TYPE 8, SPECIAL	EACH	14.00	14.00
1980	90030	MISC 90030A CONCRETE CURB AND GUTTER, 30-INCH, TYPE D, INTEGRAL	L.F.	6,329.00	6,329.00
1990	90030	MISC 90030B, CHAIN LINK FENCE, 10 FT.	L.F.	284.00	284.00
2000	90031	MISC 90031A MECHANICALLY STABILIZED EARTH CONCRETE PANEL WALL, R-70-7	S.F.	1,765.00	1,765.00
2010	90031	MISC 90031B MECHANICALLY STABILIZED EARTH CONCRETE PANEL WALL, R-70-8	S.F.	1,405.00	1,405.00
2020	90031	MISC 90031C TEMPORARY SHORING	S.F.	300.00	300.00
2030	90031	MISC 90031D ANTI-GRAFFITI COATING, STRUCTURE R-70-7	S.F.	1,765.00	1,765.00
2040	90031	MISC 90031E ANTI-GRAFFITI COATING, STRUCTURE R-70-8	S.F.	1,380.00	1,380.00
2050	90033	MISC 90033A JOINT SEALING	S.Y.	12,978.00	12,978.00
2060	90034	MISC 90034A QUALITY MANAGEMENT PROGRAM, SUBGRADE	C.Y.	1,000,197.00	1,000,197.00
2070	90034	MISC 90034B SEDIMENT BASIN EXCAVATION	C.Y.	187.00	187.00

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	6200-05-71 QUANTITY
2080	90034	MISC 90034C CLAY LINER	C.Y.	4,843.00	4,843.00
2090	90034	MISC 90034D PLACING INDUSTRIAL FOUNDRY SAND	C.Y.	80,164.00	80,164.00
2100	90034	MISC 90034E CLAY ENCAPSULATION	C.Y.	22,144.00	22,144.00
2110	90034	MISC 90034F SPIEGELBERG WETLAND MITIGATION BORROW SITE	C.Y.	538,345.00	538,345.00
2120	90035	MISC 90035A HAULING INDUSTRIAL FOUNDRY SAND	TON	154,242.00	154,242.00
2130	90035	MISC 90035B LIMESTONE SCREENING	TON	890.00	890.00
2140	90365	QMP, BASE COURSES	TON	48,826.00	48,826.00
2150	90401	QMP, PLACEMENT OF CONCRETE	P.D.	10.00	10.00
2160	90421	QMP, AGGREGATE FOR CONCRETE PAVEMENT	S.Y.	12,978.00	12,978.00
2170	90501	QMP, READY MIXED CONCRETE MASONRY FOR BRIDGES, 5 CYLINDERS	C.Y.	2,931.00	2,931.00
2180	90502	QMP, BRIDGE STRENGTH INCENTIVE, CONCRETE MASONRY	DOL	29,310.00	29,310.00
2190	90590	PIPE GRATES	EACH	2.00	2.00
2200	90616	MARKER POSTS, FLEXIBLE, FOR CULVERT END	EACH	100.00	100.00
2210	90637	SAFETY FENCE	L.F.	4,050.00	4,050.00

ALL ITEMS & QUANTITIES ON THIS SHEET ARE
FOR CATEGORY 0010, UNLESS OTHERWISE NOTED.

CLEARING AND GRUBBING

STATION	-	STATION	LOCATION	20101 CLEARING STA.	20102 CLEARING I.D.	20104 GRUBBING STA.	20105 GRUBBING I.D.
100+00	-	101+00	STH 110 SB	1		1	
110+00	-	111+00	STH 110 SB	1			
123+00	-	124+00	STH 110 SB	1		1	
125+00	-	128+00	STH 110 SB	3		3	
146+00	-	147+00	STH 110 SB	1		1	
168+00	-	171+00	STH 110 SB	3		3	
192+00	-	194+00	STH 110 SB	2			
194+00	-	203+00	STH 110 SB	7		7	
207+00	-	208+00	STH 110 SB		6		6
231+00	-	232+00	STH 110 SB	1		1	
241+00	-	244+00	STH 110 SB	3		3	
247+00	-	248+00	STH 110 SB	1		1	
248+00	-	249+00	STH 110 SB		8		8
260+00	-	261+00	STH 110 SB	1		1	
277+00	-	281+00	STH 110 SB	4		4	
281+00	-	283+00	STH 110 SB	3			
283+00	-	286+00	STH 110 SB	3		3	
299+00	-	300+00	STH 110 SB	1		1	
317+00	-	327+00	STH 110 SB	10		10	
334+00	-	337+00	STH 110 SB	3		3	
338+00	-	339+00	STH 110 SB		10		10
98+00	-	103+00	STH 110 NB	5		5	
105+00	-	106+00	STH 110 NB		5		5
106+00	-	113+00	STH 110 NB	7			
113+00	-	114+00	STH 110 NB		8		
123+00	-	124+00	STH 110 NB	1		1	
125+00	-	126+00	STH 110 NB	1		1	
166+00	-	173+00	STH 110 NB	7		7	
195+00	-	202+00	STH 110 NB	7		7	
209+00	-	210+00	STH 110 NB	1		1	
216+00	-	217+00	STH 110 NB		8		8
240+00	-	241+00	STH 110 NB		7		7
241+00	-	242+00	STH 110 NB	1		1	
278+00	-	286+00	STH 110 NB	8		8	
300+00	-	303+00	STH 110 NB	3		3	
308+00	-	311+00	STH 110 NB	3		3	
311+00	-	312+00	STH 110 NB		8		8
312+00	-	317+00	STH 110 NB	5		5	
338+00	-	340+00	STH 110 NB	2		2	
356+00	-	357+00	STH 110 SB	1		1	
362+00	-	363+00	STH 110 SB	1			
377+00	-	378+00	STH 110 SB	1			
381+00	-	382+00	STH 110 SB		10		
383+00	-	384+00	STH 110 SB	1		1	
358+00	-	359+00	STH 110 NB		6		6
			SUBTOTAL:	104	76	89	58

STATION	-	STATION	LOCATION	20101 CLEARING STA.	20102 CLEARING I.D.	20104 GRUBBING STA.	20105 GRUBBING I.D.
362+00	-	363+00	STH 110 NB	1			
383+00	-	384+00	STH 110 NB	1		1	
201+00	-	202+00	LAKE BUTTE DES MORTS DRIVE		9		9
202+00	-	203+00	LAKE BUTTE DES MORTS DRIVE	1		1	
203+00	-	204+00	LAKE BUTTE DES MORTS DRIVE		6		6
204+00	-	205+00	LAKE BUTTE DES MORTS DRIVE	1		1	
205+00	-	206+00	LAKE BUTTE DES MORTS DRIVE	1		1	
206+00	-	207+00	LAKE BUTTE DES MORTS DRIVE		6		6
207+00	-	208+00	LAKE BUTTE DES MORTS DRIVE		6		6
208+00	-	209+00	LAKE BUTTE DES MORTS DRIVE		6		6
209+00	-	210+00	LAKE BUTTE DES MORTS DRIVE		10		10
210+00	-	211+00	LAKE BUTTE DES MORTS DRIVE		6		6
211+00	-	214+00	LAKE BUTTE DES MORTS DRIVE	3		3	
228+00	-	230+00	LAKE BUTTE DES MORTS DRIVE	2		2	
252+00	-	253+00	LAKE BUTTE DES MORTS DRIVE		11		11
253+00	-	254+00	LAKE BUTTE DES MORTS DRIVE	1		1	
254+00	-	257+00	LAKE BUTTE DES MORTS DRIVE	2		2	
270+00	-	275+00	LAKE BUTTE DES MORTS DRIVE	5		5	
22+00	-	27+00	RECREATION TRAIL	5		5	
30+00	-	31+00	CTH Y	1		1	
5+00	-	6+00	BROOKS ROAD		8		8
6+00	-	8+00	BROOKS ROAD	2		2	
8+00	-	12+00	BROOKS ROAD	4			
16+00	-	17+00	BROOKS ROAD	1			
20+00	-	21+00	BROOKS ROAD	6			
1+00	-	2+00	SKELETON BRIDGE ROAD		8		8
3+00	-	8+00	SKELETON BRIDGE ROAD	5		5	
8+00	-	13+00	SKELETON BRIDGE ROAD	5			
16+00	-	23+00	SKELETON BRIDGE ROAD	7			
23+00	-	25+00	SKELETON BRIDGE ROAD	2		2	
39+00	-	40+00	TYERS DRIVEWAY	1		1	
10+00	-	15+00	SPIEGELBERG ROAD	5		5	
15+00	-	16+00	SPIEGELBERG ROAD		10		10
18+00	-	19+00	SPIEGELBERG ROAD		8		8
10+00	-	16+00	KOLB ROAD	6		6	
17+00	-	25+00	KOLB ROAD	8		8	
25+00	-	27+00	KOLB ROAD	2		2	
49+00	-	51+00	KOLB ROAD	2		2	
52+00	-	53+00	KOLB ROAD	1		1	
14+00	-	17+00	SW FRONTAGE ROAD @ STH 116	3		3	
18+00	-	20+00	SW FRONTAGE ROAD @ STH 116	2		2	
365+00	-	366+00	SE RAMP @ STH 116	1			
367+00	-	369+00	SE RAMP @ STH 116	2			
			SUBTOTAL:	89	94	62	94
			TOTALS:	193	170	151	152

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FOR CATEGORY 0010, UNLESS OTHERWISE NOTED.

REMOVING CULVERT PIPE

STATION	LOCATION	20330 EACH	SIZE	TYPE	REMARKS
89+00	EXISTING STH 110	2	60 INCH x 135 FEET	STEEL	CROSS DRAIN
183+00	EXISTING STH 110 / CTH Y	1	24 INCH x 50 FEET	STEEL	CROSS DRAIN
183+00	EXISTING STH 110 / CTH Y	1	24 INCH x 30 FEET	STEEL	F.E.
316+00	EXISTING STH 110, LT.	1	18 INCH	CONCRETE	F.E.
325+00	EXISTING STH 110	1	18 INCH x 22 FEET	STEEL	CROSS DRAIN
327+50	EXISTING STH 110, LT.	1	18 INCH x 20 FEET	STEEL	C.E.
373+50	EXISTING STH 110, LT.	1	18 INCH x 20 FEET	STEEL	P.E.
375+00	N.W. RAMP @ STH 116	1	36 INCH	STEEL	CROSS DRAIN
13+53	LOFT DRIVEWAY	2	60 INCH x 75 FEET	STEEL	CROSS DRAIN
20+00	STEARNS ROAD, RT.	1	24 INCH	STEEL	F.E.
24+00	STEARNS ROAD, RT.	1	12 INCH x 20 FEET	STEEL	P.E.
25+00	STEARNS ROAD, RT.	1	18 INCH	STEEL	F.E.
286+30	N.W. FRONTAGE ROAD @ CTH T	1	18 INCH x 34 FEET	STEEL	P.E.
288+00	N.W. FRONTAGE ROAD @ CTH T	1	18 INCH x 30 FEET	STEEL	P.E.
289+35	N.W. FRONTAGE ROAD @ CTH T	1	18 INCH x 25 FEET	STEEL	P.E.
290+20	N.W. FRONTAGE ROAD @ CTH T	1	18 INCH x 20 FEET	STEEL	P.E.
34+30	CTH Y, LT.	1	18 INCH x 17 FEET	STEEL	F.E.
36+00	CTH Y, RT.	1	18 INCH x 20 FEET	STEEL	C.E.
39+00	CTH Y, RT.	1	12 INCH	STEEL	F.E.
40+00	CTH Y, RT.	1	18 INCH	STEEL	P.E.
264+50	LUEBKE ROAD	1	18 INCH x 50 FEET	STEEL	CROSS DRAIN
6+30	BROOKS ROAD, RT.	1	24 INCH x 30 FEET	STEEL	P.E.
7+25	SKELETON BRIDGE ROAD, RT.	1	18 INCH x 18 FEET	STEEL	P.E.
11+60	SKELETON BRIDGE ROAD, LT.	1	18 INCH x 20 FEET	STEEL	P.E.
17+90	SKELETON BRIDGE ROAD, RT.	1	36 INCH x 40 FEET	STEEL	CROSS DRAIN
18+50	SKELETON BRIDGE ROAD, RT.	1	24 INCH x 20 FEET	STEEL	P.E.
19+00	SPIEGELBERG ROAD	1	24 INCH x 25 FEET	STEEL	CROSS DRAIN
20+30	SPIEGELBERG ROAD, RT.	1	12 INCH x 25 FEET	STEEL	P.E.
4+40	MITIGATION SITE (MIT 6)	1	48" x 19 FEET	STEEL	F.E.
	PARCEL 2 - LARUE	1	18" x 28 FEET	STEEL	C.E.
	PARCEL 2 - LARUE	1	12" x 40 FEET	STEEL	CROSS DRAIN
	TOTAL:	33			

REMOVING PAVEMENT

STATION - STATION	LOCATION	20401 S.Y.
269+00 - 275+50	LAKE BUTTE DES MORTS DRIVE	1,735
	TOTAL:	1,735

REMOVING GUARDRAIL

STATION - STATION	LOCATION	20411 L.F.
8+20 - 8+90	BROOKS ROAD LT. & RT.	140
	TOTAL:	140

REMOVING FENCE

STATION - STATION	LOCATION	20412 L.F.
211+50 - 214+50	LAKE BUTTE DES MORTS DRIVE	170
100+56 - 100+94	STH 110 NB	200
101+03 - 113+66	STH 110 NB	1,480
195+00 - 201+00	STH 110	600
256+00 - 260+00	STH 110	550
	BROOKS ROAD	100
264+00 - 268+00	STH 110	600
	STH 110 AND STH 116	900
	TOTAL:	4,600

REMOVING SEPTIC TANKS

LOCATION	20417 REMOVING SEPTIC TANKS, EACH
PARCEL 1, KONTOS SEPTIC TANK	1
PARCEL 3, DODD SEPTIC TANK	1
PARCEL 20, MAKI SEPTIC TANK	1
PARCEL 11, WRIGHT SEPTIC TANK	1
TOTAL:	4

REMOVING ASPHALTIC SURFACE, BUTT JOINTS

STATION	LOCATION	20419 S.Y.
3+00	BROOKS ROAD	49
25+50	SKELETON BRIDGE ROAD (ON KOLB ROAD)	49
26+00	SKELETON BRIDGE ROAD	49
	TOTAL:	147

REMOVING BUILDINGS

LOCATION	20470, 20471, 20472, 20473, 20474 REMOVING BUILDINGS, LS.
PARCEL 1, KONTOS BUILDING	1
PARCEL 3, DODD FARM BUILDINGS	1
PARCEL 5, SEBERO SHED	1
PARCEL 20, MAKI HOUSE AND GARAGE	1
PARCEL 12, GRUNDY BOATHOUSE	1
PARCEL 2, LARUE BUILDINGS	1
PARCEL 44, PASCARELLA BUILDING	1

ABANDONING WELLS

LOCATION	20483 ABANDONING WELLS, EACH
PARCEL 1, KONTOS WELL	1
PARCEL 3, DODD WELL	1
PARCEL 20, MAKI WELL	1
PARCEL 44, PASCARELLA WELL	1
TOTAL:	4

SITE CLEARANCE

LOCATION	20484, 20485, 20486, 20487 SITE CLEARANCE, PARCEL, L.S.
PARCEL 2, MILLER SLAB	1
PARCEL 5, SEBERO SLAB	1
PARCEL 6, MEINEN SLAB	1
PARCEL 33, EWALD	1
TOTAL:	4

EARTHWORK QUANTITIES

MAINLINE BALANCE NUMBER	ROADWAY	STATION - STATION	20501 COMMON EXC. C.Y.	20501 E.B.S. EXC. (1) C.Y.	20502 ROCK EXC. (2) C.Y	20505 MARSH EXC. (3) C.Y.	20801 BORROW EXC. (4) C.Y.	20811 SELECT BORROW EXC. (5) C.Y.	90034A QUALITY MANAGEMENT PROGRAM SUBGRADE C.Y.	90034C CLAY LINER C.Y.	90034D PLACING INDUSTRIAL FOUNDRY SAND (6) C.Y.	90034E CLAY ENCAPSULATION (7) C.Y.	90034F SPIEGELBERG WETLAND MITIGATION BORROW SITE C.Y.
1	STH 110	98+00 - 137+00	4,437			23,673	101,894	23,673	106,331				
	LAKE BUTTE DES MORTS DRIVE	200+00 - 281+89	7,971			12,042		12,042	7,971				
	STEARNS RD.	37+50 - 38+10.72	36				416		452				
2	STH 110	146+00 - 224+00	51,502	5,180	19,211				56,682		80,164		
	N.W. FR. @ CTH T	282+88 - 290+50	4,280						4,280				
	CTH T	26+00 - 38+00	2,689	1,690					4,379				
	CTH Y	30+00 - 41+50	20,459		5,433				20,459				
	REC TRAIL	0+00 - 35+00	13,485		525				13,485				
	REC.TRAIL PARKING	20+00 - 22+66	1,134						1,134				
3	STH 110	224+00 - 284+00	63,272	12,340	15,945				75,612				
	BROOKS ROAD	3+00 - 30+50	1,785						1,785				
	LUEBKE ROAD	8+50 - 10+30	178						178				
4	STH 110	284+00 - 362+00	88,656	19,420					108,076				
	SKELETON BRIDGE ROAD	1+00 - 28+00	1,660						1,660				
	SHAMMY LANE	30+17 - 36+78	1,043						1,043				
	KOLB ROAD	15+00 - 72+00	19,154	5,770					24,924				
	SPIEGELBERG ROAD	10+00 - 22+00	1,621						1,621				
5	STH 110	362+00 - 385+00	1,321						1,321				
	N.E. RAMP @ STH 116	378+00 - 386+64.5	412						412				
	S.E. RAMP @ STH 116	362+70 - 372+88	1,901						1,901				
	S.W RAMP @ STH 116	362+48 - 374+00	8,198						8,198				
	S.W FR. RD. @ STH 116	13+00 - 21+25	10,434						10,434				
	DRIVEWAYS AND F.E.'S		1,237				8,277		9,514				
	SPIEGELBERG WETLAND SITE				139,080				538,345	4,843			538,345
	SUBTOTAL		306,865	44,400									
	TOTAL		351,265		180,194	35,715	110,587	35,715	1,000,197	4,843	80,164	22,144	538,345

NOTE: (1) E.B.S. EXC. SHALL BE PAID FOR AS COMMON EXCAVATION
(2) ROCK EXCAVATION EXPANSION FACTOR = 1.10%
(3) MARSH EXCAVATION FILL FACTOR = 50%
(4) BORROW EXCAVATION FACTOR = 1.15%
(5) EXPANSION FACTOR FOR SELECT BORROW = 1.10 %
(6) EXPANSION FACTOR FOR FOUNDRY SAND = 1.10 %
(7) EXPANSION FACTOR FOR CLAY = 1.25 %

NOTE:
SELECT BORROW, MARSH EXCAVATION, CLAY LINER, CLAY ENCAPSULATION AND FOUNDRY SAND SHALL NOT BE PART OF THE QMP PROGRAM.

REVISIONS ATTACHED TO BACK OF PLAN

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PREPARATION OF FOUNDATION FOR ASPHALT PAVING

STATION	-	STATION	LOCATION	21101 L.S.
BROOKS ROAD	-	3+00	SKELETON BRIDGE ROAD	1

OBLITERATING OLD ROAD

LOCATION	21401 STA.	REMARKS
OLD CTH Y	4.0	GRADING LIMITS TO EXISTING STH 110
TOTAL:	4.0	

BREAKER RUN SUMMARY

STATION	-	STATION	LOCATION	30426 BREAKER RUN TON
205+00	-	249+65.91	LAKE BUTTE DES MORTS DRIVE	4,750
252+25.91	-	277+50	LAKE BUTTE DES MORTS DRIVE	1,950
3+00	-	16+86.04	BROOKS ROAD	2,250
19+35.53	-	30+00	BROOKS ROAD	1,700
3+00	-	13+88.46	SKELETON BRIDGE ROAD	1,740
16+52.45	-	26+00	SKELETON BRIDGE ROAD	1,510
30+00	-	35+34	SHAMMY LANE	860
15+00	-	72+92	KOLB ROAD	9,250
10+82	-	22+00	SPEIGELBERG ROAD	1,780
			LUEBKE ROAD CUL-DE-SAC	220
			SHAMMY LANE CUL-DE-SAC	450
			SPEIGELBERG ROAD CUL-DE-SAC	300
13+00	-	21+25	SW FRONTAGE ROAD @ STH 116	1,350
			TOTAL:	28,110

CRUSHED AGGREGATE BASE COURSE AND WATER

STATION	-	STATION	LOCATION	30404 CRUSHED AGGREGATE BASE COURSE MAINLINE TON	30404 CRUSHED AGGREGATE BASE COURSE SHOULDER TON	62401 CRUSHED AGGREGATE WATER COMPACTION MGAL.	62401 CRUSHED AGGREGATE WATER DUST CONTROL MGAL.	90365 QMP, BASE COURSES TON
199+87.44	-	205+00	LAKE BUTTE DES MORTS DRIVE	980	170	12	5	1,150
205+00	-	249+65.91	LAKE BUTTE DES MORTS DRIVE	6,450		65	26	6,450
252+25.97	-	277+50	LAKE BUTTE DES MORTS DRIVE	3,650		37	15	3,650
277+50		279+20	LAKE BUTTE DES MORTS DRIVE	580		6	3	580
279+20	-	281+89.35	LAKE BUTTE DES MORTS DRIVE	750	90	9	4	840
3+00	-	16+86.04	BROOKS ROAD	1,650	450	22	8	2,100
19+35.53	-	30+00	BROOKS ROAD	1,250	340	16	7	1,590
3+00	-	13+88.46	SKELETON BRIDGE ROAD	1,300	350	17	7	1,650
16+52.45	-	26+00	SKELETON BRIDGE ROAD	1,150	310	15	6	1,460
30+00	-	35+34	SHAMMY LANE	710	170	9	4	880
15+00	-	72+92	KOLB ROAD	6,870	1,850	88	35	8,720
10+82	-	22+00	SPIEGELBERG ROAD	1,300	360	17	7	1,660
282+52.37	-	291+00	NW FRONTAGE ROAD AT CTH T	3,500	400	39	16	3,900
30+00	-	34+50	CTH Y	1,700	130	18	8	1,830
34+50	-	41+50	CTH Y	2,250	270	26	10	2,520
			LUEBKE ROAD CUL-DE-SAC	140	50	2	1	190
			SHAMMY LANE CUL-DE-SAC	290	100	4	2	390
			SPIEGELBERG ROAD CUL-DE-SAC	210	50	3	1	260
13+00	-	21+25	SW FRONTAGE ROAD @ STH 116	960	350	14	5	1,310
			FIELD ENTRANCES	734				734
			COMMERCIAL ENTRANCES	425				425
			PRIVATE ENTRANCES	1,812				1,812
			SUBTOTAL:	38,661	5,440	419	170	44,101
			TOTAL:	44,101		588		

CRUSHED AGGREGATE BASE COURSE AND WATER

CATEGORY 0100

STATION	-	STATION	LOCATION	30404 CRUSHED AGGREGATE BASE COURSE MAINLINE TON	30404 CRUSHED AGGREGATE BASE COURSE SHOULDER TON	62401 CRUSHED AGGREGATE WATER COMPACTION MGAL.	62401 CRUSHED AGGREGATE WATER DUST CONTROL MGAL.	90365 QMP, BASE COURSES TON
			RECREATION TRAIL CONNECTION	75		8		75
0+00	-	29+00	RECREATION TRAIL	2,150		22	9	2,150
			OLD STH 110 PARKING LOT	2,500		25	10	2,500
			SUBTOTAL:	4,725	0	55	19	4,725
			TOTAL:	4,725		74		4,725

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ASPHALTIC SUMMARY

STATION	-	STATION	LOCATION	40721 ASPHALTIC CONCRETE PAVEMENT TYPE E-0.3 TON	40722 ASPHALTIC CONCRETE PAVEMENT TYPE E-1 TON	40204 ASPHALTIC MATERIAL FOR TACK COAT GALLON	40501 ASPHALTIC MATERIAL FOR PLANT MIXES, 6% TON	40301 QUALITY MANAGEMENT PROGRAM ASPHALTIC MIXTURE TON
199+87	-	241+00	LAKE BUTTE DES MORTS DRIVE		4,283	376	257	4,283
277+50	-	281+89	LAKE BUTTE DES MORTS DRIVE		504	45	31	504
282+52	-	285+00	NW FRONTAGE ROAD @ CTH T		120		8	120
30+00	-	41+50	CTH T	1,075		100	66	1,075
			LUEBKE ROAD CUL-DE-SAC	140		20	9	140
3+00	-	16+86.04	BROOKS ROAD	780		90	47	780
19+35	-	30+00	BROOKS ROAD	600		70	36	600
BROOKS ROAD	-	3+00	SKELETON BRIDGE ROAD	105		30	6	105
3+00	-	13+88.46	SKELETON BRIDGE ROAD	615		70	37	615
16+52	-	26+00	SKELETON BRIDGE ROAD	535		60	33	535
10+00	-	11+10	FORSETH DRIVEWAY	39			3	39
30+00	-	35+34	SHAMMY LANE	365		50	23	365
			SHAMMY LANE CUL-DE-SAC	240		30	15	240
15+00	-	72+92	KOLB ROAD	3,354		420	206	3,354
10+82	-	22+00	SPIEGELBERG ROAD	630		70	38	630
			SPIEGELBERG ROAD CUL-DE-SAC	175		20	11	
13+00	-	21+25	SW FRONTAGE ROAD @ STH 116	270				
			TOTAL:	8,923	4,907	1		

REVISIONS ATTACHED TO BACK OF PLAN

ASPHALTIC SUMMARY

CATEGORY 0100

STATION	-	STATION	LOCATION	40721 ASPHALTIC CONCRETE PAVEMENT TYPE E-0.3 TON	40204 ASPHALTIC MATERIAL FOR TACK COAT GALLON	[illegible] ASPHALTIC MATERIAL FOR PLANT MIXES, 6% TON	40301 QUALITY MANAGEMENT PROGRAM ASPHALTIC MIXTURE TON
			OLD STH 110 PARKING LOT	650	100	39	650
			TOTAL:	650	100	39	650

CONCRETE PAVEMENT, 8-INCH

STATION	-	STATION	LOCATION	41508 CONCRETE PAVEMENT, 8-INCH S.Y.	90421 QMP, AGGREGATE FOR CONCRETE PAVEMENT S.Y.	CATEGORY 0110 90033A JOINT SEALING S.Y.
241+00		277+50	LAKE BUTTE DES MORTS DRIVE	12,978	12,978	12,978
			TOTAL:	12,978	12,978	12,978

MISCELLANEOUS QUANTITIES	HWY: STH 110	COUNTY: WINNEBAGO	STATE PROJECT NO: 6200-05-71	SHEET NO: 3E	E

FILE NAME: Q:\MISC.QUANTITIES\6200-05-71\ENGSHEET1.PPT ORIGINATOR: ORIG. DATE: REV. DATE:

ALL ITEMS & QUANTITIES ON THIS SHEET ARE
FOR CATEGORY 0010, UNLESS OTHERWISE NOTED.

PRIVATE/FIELD ENTRANCE PIPE SUMMARY

STATION	LOCATION	TYPE	** 52003 CP CLASS III 18" FT	THICKNESS STEEL (IN.)	THICKNESS ALUM. (IN.)	52061 CP APRON ENDWALLS 18" EACH	** 52178 SCPSS APRON ENDWALLS 18" EACH
209+00	LAKE BUTTE DES MORTS DRIVE LT.	P.E.	30	0.064	0.060	2	
209+00	LAKE BUTTE DES MORTS DRIVE RT.	P.E.	30	0.064	0.060	2	
229+07	LAKE BUTTE DES MORTS DRIVE LT.	P.E.	40	0.064	0.060	2	
272+00	LAKE BUTTE DES MORTS DRIVE LT.	F.E.	40	0.064	0.060	2	
272+25	LAKE BUTTE DES MORTS DRIVE RT.	P.E.	26	0.064	0.060	2	
275+50	LAKE BUTTE DES MORTS DRIVE RT.	P.E.	30	0.064	0.060	2	
284+90	N.W. FRONTAGE ROAD @ CTH T LT.	P.E.	44	0.064	0.060		2
38+00	CTH Y RT.	C.E.	42	0.064	0.060		2
38+75	CTH Y LT.	F.E.	26	0.064	0.060		2
39+55	CTH Y RT.	F.E.	26	0.064	0.060		2
40+30	CTH Y LT.	P.E.	30	0.064	0.060		2
41+10	CTH Y LT.	P.E.	28	0.064	0.060		2
20+22	OLD STH 110 PARKING LOT	C.E.	80	0.064	0.060		2
6+29	BROOKS ROAD RT.	F.E.	50	0.064	0.060	2	
10+20	BROOKS ROAD LT.	F.E.	116	0.064	0.060	2	
10+20	BROOKS ROAD RT.	F.E.	164	0.064	0.060	2	
12+75	BROOKS ROAD RT.	F.E.	154	0.064	0.060	2	
29+00	BROOKS ROAD RT.	F.E.	30	0.064	0.060		2
7+25	SKELETON BRIDGE ROAD RT.	P.E.	50	0.064	0.060	2	
8+70	SKELETON BRIDGE ROAD RT.	F.E.	66	0.064	0.060	2	
8+75	SKELETON BRIDGE ROAD LT.	P.E.	90	0.064	0.060	2	
25+45	SKELETON BRIDGE ROAD RT.	P.E.	70	0.064	0.060		2
41+50	TYERS DRIVEWAY	P.E.	26	0.064	0.060	2	
31+25	KOLB ROAD RT.	F.E.	26	0.064	0.060	2	
38+00	KOLB ROAD RT.	F.E.	26	0.064	0.060	2	
49+17	KOLB ROAD RT.	P.E.	40	0.064	0.060		2
56+00	KOLB ROAD LT.	F.E.	30	0.064	0.060		2
68+00	KOLB ROAD LT.	P.E.	56	0.064	0.060	2	
10+05	SPIEGELBERG ROAD RT.	C.E.	30	0.064	0.060		2
17+32	S.W. FRONTAGE ROAD @ STH 116 RT.	C.E.	76	0.064	0.06		2
	TOTAL:		1,572			34	26

** MORE LISTED ELSEWHERE

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FOR CATEGORY 0010, UNLESS OTHERWISE NOTED.

CROSS DRAIN AND SIDEROAD PIPE SUMMARY (PIPES)

STATION	LOCATION	52203 RCCP III 18 L.F.	52227 RCCP IV 18 L.F.	** 52003 CP III 18 L.F.	52023 CP IV 18 L.F.	52105 CSCP III 24 L.F.	52205 RCCP III 24 L.F.	52005 CP III 24 L.F.	52007 CP III 30 L.F.	52027 CP IV 30 L.F.	52029 CP IV 36 L.F.	52212 RCCP III 54 L.F.	52136 CSPA 21 x 15 L.F.	52140 CSPA 42x 29 L.F.	52340 RCHECP III 45 x 29 L.F.	52342 RCHECP III 53 x 34 L.F.	52142 CSPA 57 x 38 L.F.	52344 RCHECP III 68 x 43 L.F.	THICKNESS STEEL INCHES	THICKNESS ALUM. INCHES	INLET ELEV.	DISCH. ELEV.
108+00	STH 110 MEDIAN	102																			751.80	751.48
114+00	STH 110						270														748.10	747.59
129+00	STH 110 MEDIAN	84																			749.02	748.76
137+00	STH 110 MEDIAN		110																		751.55	751.21
150+00	STH 110 MEDIAN		86																		756.62	756.29
156+00	STH 110 MEDIAN	86																			762.53	762.26
162+00	STH 110 MEDIAN	100																			772.06	771.75
170+00	STH 110 MEDIAN		82																		786.27	786.01
178+50	STH 110								230										0.079	0.075	777.10	776.60
188+00	STH 110											232									785.00	783.00
189+50	STH 110 MEDIAN		120																		796.49	785.21
198+00	STH 110 MEDIAN	108																			788.80	788.46
204+00	STH 110 MEDIAN	94																			791.06	790.77
209+60	STH 110											364									792.00	791.50
211+00	STH 110 MEDIAN	86																			796.70	796.43
218+00	STH 110 MEDIAN		82																		800.02	799.76
228+00	STH 110 MEDIAN	88																			798.48	798.20
228+30	STH 110															180					797.20	796.80
236+00	STH 110 MEDIAN		84																		796.91	796.65
244+00	STH 110 MEDIAN	84																			793.66	793.40
250+45	STH 110															220					789.20	788.50
252+00	STH 110 MEDIAN	84																			788.29	788.03
260+00	STH 110 MEDIAN		76																		778.72	778.48
268+00	STH 110 MEDIAN		84																		762.50	762.24
272+65	STH 110																	352			755.63	755.00
275+00	STH 110 MEDIAN	84																			757.74	757.48
291+00	STH 110 MEDIAN		90																		767.01	766.73
299+00	STH 110 MEDIAN		90																		772.63	771.79
304+75	STH 110														344						776.30	775.70
307+00	STH 110 MEDIAN		90																		777.90	776.96
315+00	STH 110 MEDIAN	80																			782.92	782.67
325+00	STH 110 MEDIAN	84																			786.42	786.16
335+00	STH 110 MEDIAN	94																			785.40	785.11
343+00	STH 110 MEDIAN		86																		783.00	782.73
351+00	STH 110 MEDIAN		78																		776.12	775.87
359+00	STH 110 MEDIAN		86																		763.00	762.73
369+00	STH 110 MEDIAN		84																		782.40	782.14
373+50	STH 110								196										0.079	0.075	772.70	770.80
375+00	STH 110								196										0.079	0.075	772.70	772.00
377+00	STH 110 MEDIAN	98																			794.00	793.69
201+00	LAKE BUTTE DES MORTS DRIVE												48						0.064		750.70	750.60

CONTINUED ON NEXT SHEET

** MORE LISTED ELSEWHERE

MISCELLANEOUS QUANTITIES	HWY: STH 110	COUNTY: WINNEBAGO	STATE PROJECT NO: 6200-05-71	SHEET NO: 36	E

FILE NAME: Q:\MISC.QUANTITIES\6200-05-71\ENGSHEET1.PPT ORIGINATOR: ORIG. DATE: REV. DATE:

ALL ITEMS & QUANTITIES ON THIS SHEET ARE
FOR CATEGORY 0010, UNLESS OTHERWISE NOTED.

CROSS DRAIN AND SIDEROAD PIPE SUMMARY (PIPES) - CONTINUED

STATION	LOCATION	52203 RCCP III 18 L.F.	52227 RCCP IV 18 L.F.	** 52003 CP III 18 L.F.	52023 CP IV 18 L.F.	52105 CSCP III 24 L.F.	52205 RCCP III 24 L.F.	52005 CP III 24 L.F.	52007 CP III 30 L.F.	52027 CP IV 30 L.F.	52029 CP IV 36 L.F.	52212 RCCP III 54 L.F.	52136 CSPA 21 x 15 L.F.	52140 CSPA 42x 29 L.F.	52340 RCHECP III 45 x 29 L.F.	52342 RCHECP III 53 x 34 L.F.	52142 CSPA 57 x 38 L.F.	52344 RCHECP III 68 x 43 L.F.	THICKNESS STEEL INCHES	THICKNESS ALUM. INCHES	INLET ELEV.	DISCH. ELEV.
215+50	LAKE BUTTE DES MORTS DRIVE																390		0.109		750.65	750.20
263+00	LAKE BUTTE DES MORTS DRIVE			62															0.064	0.060	751.10	750.30
270+30	LAKE BUTTE DES MORTS DRIVE																160		0.109		753.40	751.15
25+00	CTH T								64										0.079	0.075	756.00	755.00
27+00	CTH T					92													0.064		754.00	753.60
29+20	CTH T													96					0.079		754.45	754.05
283+00	NW FRONTAGE ROAD @ CTH T			54															0.079	0.075	762.40	760.30
35+85	CTH Y			196															0.064	0.060	782.00	777.02
36+00	CTH Y								50										0.079	0.075	780.50	777.02
16+75	BROOKS ROAD				200														0.079	0.105	780.70	776.90
19+50	BROOKS ROAD										200								0.079	0.105	777.60	774.50
13+80	SKELETON BRIDGE ROAD									200									0.079	0.075	763.90	762.60
15+30	SKELETON BRIDGE ROAD				150														0.079	0.105	767.20	766.15
16+60	SKELETON BRIDGE ROAD									200									0.079	0.075	769.17	766.00
18+70	SKELETON BRIDGE ROAD										142								0.079	0.105	766.35	764.80
30+50	SHAMMY LANE			70															0.064	0.060	773.10	772.50
35+50	SHAMMY LANE			46															0.064	0.060	767.69	767.51
16+00	KOLB ROAD							46											0.064	0.075	777.80	777.60
48+00	KOLB ROAD								44										0.079	0.075	785.90	785.70
71+35	KOLB ROAD																90		**0.109**		760.96	760.79
21+00	SPIEGELBERG ROAD			68															0.064	0.060	782.10	780.53
374+50	NE RAMP @ STH 116						66														770.60	770.30
371+00	SW RAMP @ STH 116	98																			772.70	769.60
372+50	SE RAMP @ STH 116						72														770.50	769.00
	TOTAL:	1,454	1,328	496	350	92	408	46	780	400	342	596	48	96	344	400	640	352				

** MORE LISTED ELSEWHERE

MISCELLANEOUS QUANTITIES	HWY: STH 110	COUNTY: WINNEBAGO	STATE PROJECT NO: 6200-05-71	SHEET NO: 3H	E

FILE NAME: Q:\MISC.QUANTITIES\6200-05-71\ENGSHEET1.PPT ORIGINATOR: ORIG. DATE: REV. DATE:

ALL ITEMS & QUANTITIES ON THIS SHEET ARE
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CROSS DRAIN AND SIDEROAD PIPE SUMMARY (ENDWALLS)

STATION	LOCATION	52262 RCCP 18 EACH	** 52178 SCPSS 18 EACH	52180 SCPSS 24 EACH	52151 CP 24 EACH	52264 RCCP 24 EACH	52065 CP 30 EACH	52181 SCPSS 30 EACH	52266 RCCP 30 EACH	52067 CP APRON ENDWALLS 36 EACH	52182 SCPSS 36 EACH	52270 RCCP 54 EACH	52191 SCPSS 21 x 15 EACH	52166 SPA 42 x 29 EACH	52365 RCHECP 45 x 29 EACH	52367 RCHECP 53 x 34 EACH	52197 SCPSS 57 x 38 EACH	52369 RCHECP 68 x 43 EACH
108+00	STH 110 MEDIAN	1																
114+00	STH 110					2												
129+00	STH 110 MEDIAN	1																
137+00	STH 110 MEDIAN	1																
150+00	STH 110 MEDIAN	1																
156+00	STH 110 MEDIAN	1																
162+00	STH 110 MEDIAN	1																
170+00	STH 110 MEDIAN	1																
178+50	STH 110								2									
188+00	STH 110											2						
189+50	STH 110 MEDIAN	1																
198+00	STH 110 MEDIAN	1																
204+00	STH 110 MEDIAN	1																
209+60	STH 110											4						
211+00	STH 110 MEDIAN	1																
218+00	STH 110 MEDIAN	1																
228+00	STH 110 MEDIAN	1																
228+30	STH 110															2		
236+00	STH 110 MEDIAN	1																
244+00	STH 110 MEDIAN	1																
250+45	STH 110															2		
252+00	STH 110 MEDIAN	1																
260+00	STH 110 MEDIAN	1																
268+00	STH 110 MEDIAN	1																
272+65	STH 110																	4
275+00	STH 110 MEDIAN	1																
291+00	STH 110 MEDIAN	1																
299+00	STH 110 MEDIAN	1																
304+75	STH 110														4			
307+00	STH 110 MEDIAN	1																
315+00	STH 110 MEDIAN	1																
325+00	STH 110 MEDIAN	1																
335+00	STH 110 MEDIAN	1																
343+00	STH 110 MEDIAN	1																
351+00	STH 110 MEDIAN	1																
359+00	STH 110 MEDIAN	1																
369+00	STH 110 MEDIAN	1																
373+50	STH 110								2									
375+00	STH 110								2									
377+00	STH 110 MEDIAN	1																
201+00	LAKE BUTTE DES MORTS DRIVE												2					

CONTINUED ON NEXT SHEET

MISCELLANEOUS QUANTITIES	HWY: STH 110	COUNTY: WINNEBAGO	STATE PROJECT NO: 6200-05-71	SHEET NO: 31	E

FILE NAME: Q:\MISC.QUANTITIES\6200-05-71\ENGSHEET1.PPT ORIGINATOR: ORIG. DATE: REV. DATE:

ALL ITEMS & QUANTITIES ON THIS SHEET ARE
FOR CATEGORY 0010, UNLESS OTHERWISE NOTED.

CROSS DRAIN AND SIDEROAD PIPE SUMMARY (ENDWALLS) - CONTINUED

STATION	LOCATION	52262 RCCP 18 EACH	** 52178 SCPSS 18 EACH	52180 SCPSS 24 EACH	52151 CP 24 EACH	52264 RCCP 24 EACH	52065 CP 30 EACH	52181 SCPSS 30 EACH	52266 RCCP 30 EACH	52067 CP APRON ENDWALLS 36 EACH	52182 SCPSS 36 EACH	52270 RCCP 54 EACH	52191 SCPSS 21 x 15 EACH	52166 SPA 42 x 29 EACH	52365 RCHECP 45 x 29 EACH	52367 RCHECP 53 x 34 EACH	52197 SCPSS 57 x 38 EACH	52369 RCHECP 68 x 43 EACH
215+50	LAKE BUTTE DES MORTS DRIVE																	
263+00	LAKE BUTTE DES MORTS DRIVE		2															
270+30	LAKE BUTTE DES MORTS DRIVE																	
25+00	CTH T						1	1										
27+00	CTH T				2													
29+20	CTH T													2				
283+00	NW FRONTAGE ROAD @ CTH T		2															
35+85	CTH Y		2															
36+00	CTH Y						2											
16+75	BROOKS ROAD		2															
19+50	BROOKS ROAD										2							
13+80	SKELETON BRIDGE ROAD						2											
15+30	SKELETON BRIDGE ROAD		2															
16+60	SKELETON BRIDGE ROAD						2											
18+70	SKELETON BRIDGE ROAD									2								
30+50	SHAMMY LANE		2															
35+50	SHAMMY LANE		2															
16+00	KOLB ROAD			2														
48+00	KOLB ROAD							2										
71+35	KOLB ROAD																4	
21+00	SPIEGELBERG ROAD		2															
374+50	NE RAMP @ STH 116					2												
371+00	SW RAMP @ STH 116	2																
372+50	SE RAMP @ STH 116					2												
	TOTAL:	32	16	2	2	6	7	3	6	2	2	6	2	2	4	4	4	4

** MORE LISTED ELSEWHERE

MISCELLANEOUS QUANTITIES	HWY: STH 110	COUNTY: WINNEBAGO	STATE PROJECT NO: 6200-05-71	SHEET NO: 3J	E

FILE NAME: Q:\MISC.QUANTITIES\6200-05-71\ENGSHEET1.PPT ORIGINATOR: ORIG. DATE: REV. DATE:

ALL ITEMS & QUANTITIES ON THIS SHEET ARE FOR CATEGORY 0010, UNLESS OTHERWISE NOTED.

CROSS DRAIN AND SIDEROAD PIPE SUMMARY (MISCELLANEOUS)

STATION	LOCATION	50409 CONCRETE MASONRY, ENDWALLS C.Y.	90590 PIPE GRATES EACH	* JOINT TIES EACH	90616 MARKER POSTS FLEXIBLE EACH	** 60604 MEDIUM RANDOM RIPRAP C.Y.	** 64505 GEO. FABRIC TYPE R S.Y.	REMARKS
108+00	STH 110 MEDIAN			4	1	3	12	
114+00	STH 110			8	2			MEDIAN DRAIN TIE-IN
129+00	STH 110 MEDIAN			4	1	3	12	
137+00	STH 110 MEDIAN			4	1	3	12	
150+00	STH 110 MEDIAN			4	1	3	12	
156+00	STH 110 MEDIAN			4	1	3	12	
162+00	STH 110 MEDIAN			4	1	3	12	
170+00	STH 110 MEDIAN			4	1	3	12	
178+50	STH 110			8	2			10° LHF
188+00	STH 110			8	2	3	12	
189+50	STH 110 MEDIAN			4	1	3	12	SEE CONSTRUCTION DETAIL
198+00	STH 110 MEDIAN			4	1	3	12	
204+00	STH 110 MEDIAN			4	1	3	12	
209+60	STH 110			16	2	21	54	2 PIPES AT 182'
211+00	STH 110 MEDIAN			4	1	3	12	
218+00	STH 110 MEDIAN			4	1	3	12	
228+00	STH 110 MEDIAN			4	1	3	12	
228+30	STH 110			8	2	9	26	
236+00	STH 110 MEDIAN			4	1	3	12	
244+00	STH 110 MEDIAN			4	1	3	12	
250+45	STH 110			8	2	9	26	33° LHF
252+00	STH 110 MEDIAN			4	1	3	12	
260+00	STH 110 MEDIAN			4	1	3	12	
268+00	STH 110 MEDIAN			4	1	3	12	
272+65	STH 110			16	2	21	54	2 PIPES AT 176'
275+00	STH 110 MEDIAN			4	1	3	12	
291+00	STH 110 MEDIAN			4	1	3	12	
299+00	STH 110 MEDIAN			4	1	3	12	
304+75	STH 110		2	16	2	8	24	2 - 45" x 29" PIPES AT 172' - 17° RHF
307+00	STH 110 MEDIAN			4	1	3	12	
315+00	STH 110 MEDIAN			4	1	3	12	
325+00	STH 110 MEDIAN			4	1	3	12	
335+00	STH 110 MEDIAN			4	1	3	12	
343+00	STH 110 MEDIAN			4	1	3	12	
351+00	STH 110 MEDIAN			4	1	3	12	
359+00	STH 110 MEDIAN			4	1	3	12	
369+00	STH 110 MEDIAN			4	1	3	12	
373+50	STH 110			8	2			20° LHF
375+00	STH 110			8	2			15° LHF
377+00	STH 110 MEDIAN			4	1	3	12	
201+00	LAKE BUTTE DES MORTS DRIVE				2			26° LHF

CONTINUED ON NEXT SHEET

* NON-BID ITEM FOR INFORMATION ONLY
** MORE LISTED ELSEWHERE

MISCELLANEOUS QUANTITIES	HWY: STH 110	COUNTY: WINNEBAGO	STATE PROJECT NO: 6200-05-71	SHEET NO: 3K	E

FILE NAME: Q:\MISC.QUANTITIES\6200-05-71\ENGSHEET1.PPT ORIGINATOR: ORIG. DATE: REV. DATE:

ALL ITEMS & QUANTITIES ON THIS SHEET ARE
FOR CATEGORY 0010, UNLESS OTHERWISE NOTED.

CROSS DRAIN AND SIDEROAD PIPE SUMMARY (MISCELLANEOUS) - CONTINUED

STATION	LOCATION	50409 CONCRETE MASONRY, ENDWALLS C.Y.	90590 PIPE GRATES EACH	* JOINT TIES EACH	90616 MARKER POSTS FLEXIBLE EACH	** 60604 MEDIUM RANDOM RIPRAP C.Y.	** 64505 GEO. FABRIC TYPE R S.Y.	REMARKS
215+50	LAKE BUTTE DES MORTS DRIVE	6			2	84	212	3 PIPES AT 130' - 53° RHF
263+00	LAKE BUTTE DES MORTS DRIVE				2			
270+30	LAKE BUTTE DES MORTS DRIVE	6			2	21	56	3 PIPES AT 53' - 23° RHF
25+00	CTH T				2			
27+00	CTH T				2	5	16	11° RHF
29+20	CTH T				2	8	25	
283+00	NW FRONTAGE ROAD @ CTH T				2	4	13	
35+85	CTH Y				2			25° RHF
36+00	CTH Y				2	5	17	
16+75	BROOKS ROAD				2			43° RHF
19+50	BROOKS ROAD				2	4	13	43° RHF
13+80	SKELETON BRIDGE ROAD				2	6	19	40° LHF
15+30	SKELETON BRIDGE ROAD				2			36° LHF
16+60	SKELETON BRIDGE ROAD				2	6	19	27° LHF
18+70	SKELETON BRIDGE ROAD				2	7	21	55° LHF
30+50	SHAMMY LANE				2			
35+50	SHAMMY LANE				2			
16+00	KOLB ROAD				2	4	13	
48+00	KOLB ROAD				2	6	19	
71+35	KOLB ROAD				2	72	173	2 PIPES AT 45'
21+00	SPIEGELBERG ROAD				2			
374+50	NE RAMP @ STH 116			8	2	4	15	29° LHF
371+00	SW RAMP @ STH 116			8	2	3	12	
372+50	SE RAMP @ STH 116			8	2	4	15	
	TOTAL:	12	2	248	100	404	1,214	

* NON-BID ITEM, FOR INFORMATION ONLY
** MORE LISTED ELSEWHERE

MISCELLANEOUS QUANTITIES	HWY: STH 110	COUNTY: WINNEBAGO	STATE PROJECT NO: 6200-05-71	SHEET NO: 3L	E

FILE NAME: Q:\MISC.QUANTITIES\6200-05-71\ENGSHEET1.PPT ORIGINATOR: ORIG. DATE: REV. DATE:

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CONCRETE GUTTER, 24-INCH

STATION	-	STATION	LOCATION	60113 L.F.
247+82	-	248+95	LAKE BUTTE DES MORTS DRIVE	230
252+98	-	254+10	LAKE BUTTE DES MORTS DRIVE	225
			TOTAL:	455

CONCRETE SIDEWALK, 4-INCH

STATION	-	STATION	LOCATION	60204 S.F.
30+00	-	34+50	CTH Y	2,350
			TOTAL:	2,350

CONCRETE BARRIER, SINGLE FACED

STATION	-	STATION	LOCATION	60302 S.F.
30+00	-	34+50	CTH Y	450
			TOTAL:	450

CONCRETE CURB AND GUTTER

STATION	-	STATION	LOCATION	60133 30-INCH TYPE D L.F.	60136 30-INCH TYPE J L.F.	90030A 30-INCH TYPE D INTEGRAL L.F.
205+00	-	241+00	LAKE BUTTE DES MORTS DRIVE	7200		
241+00	-	247+82	LAKE BUTTE DES MORTS DRIVE			1,364
248+95	-	249+65	LAKE BUTTE DES MORTS DRIVE			140
252+27	-	252+98	LAKE BUTTE DES MORTS DRIVE			145
254+10	-	277+50	LAKE BUTTE DES MORTS DRIVE			4,680
277+50	-	278+50	LAKE BUTTE DES MORTS DRIVE	200		
30+00	-	34+50	CTH Y		450	
			TOTAL:	7,400	450	6,329

RIPRAP ITEMS

STATION	-	STATION	LOCATION	60602 HEAVY RIPRAP C.Y.	** 60604 MEDIUM RANDOM RIPRAP C.Y.	** 64505 GEO. FABRIC TYPE R S.Y.	64506 GEO. FABRIC TYPE HR S.Y.
			WETLAND MITIGATION SITE INLET (SOUTH)		60.3	155.8	
			WETLAND MITIGATION SITE INLET (NORTH)		45.9	119.7	
			WETLAND MITIGATION SITE INLET (EAST)		74.8	182.6	
			WETLAND MITIGATION SITE INLET (WIER)	125			175
278+10	-	278+50	STH 110 SB, LT.	39			
278+50	-	279+20	STH 110 SB, LT.	83			
279+20	-	279+60	STH 110 SB, LT.	54			
			TOTAL:	301	181	458	175

** MORE LISTED ELSEWHERE

ROCK EXCAVATION FOR STORM SEWER

STATION	-	STATION	LOCATION	60721 ROCK EXCAVATION FOR STORM SEWER C.Y.
259+00	-	260+00	STH 110 NB	15
			TOTAL:	15

STORM SEWER SUMMARY

FROM	TO	60825 RCP CLASS III STORM SEWER 12" L.F.	INLET ELEVATION	DISCHARGE ELEVATION
43	44	35	753.21	752.16
44	45	26	752.06	744.26
46	47	35	752.36	751.21
47	48	26		
49	50	35		
50	51	20		
52	53	35		
53	54	25		
55	56	35		749.76
56	57	33	749.66	749.00
58	59	35	749.14	748.44
59	60	35	748.34	747.64
61	62	35	749.12	748.42
62	63	39	748.32	747.54
64	65	35	748.49	747.79
65	66	38	747.69	746.93
67	68	35	748.25	747.55
68	69	24	747.45	746.97
70	71	35	749.36	748.40
71	72	25	748.30	747.61
73	74	35	749.70	749.35
74	75	20	749.25	749.05
76	77	35	750.34	750.10
77	78	19	750.00	749.87
79	80	35	752.00	751.65
80	81	15	751.55	751.40
82	83	35	753.19	752.14
83	84	25	752.04	751.29
85	86	35	756.62	755.92
86	87	27	755.82	755.28
88	73	15	750.30	749.70
TOTAL:		937		

REVISIONS ATTACHED TO BACK OF PLAN

MISCELLANEOUS QUANTITIES	HWY: STH 110	COUNTY: WINNEBAGO	STATE PROJECT NO: 6200-05-71	SHEET NO: 3M	E

FILE NAME: Q:\MISC.QUANTITIES\6200-05-71\ENGSHEET1.PPT ORIGINATOR: ORIG. DATE: REV. DATE:

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INLETS AND ENDWALLS

STR. NO.	STATION	OFFSET	LOCATION	GRATE ELEVATION	TOP OF STRUCTURE ELEVATION	FLOWLINE ELEVATION	INV. DEPTH FT	61122 INLETS TYPE 3 EACH	61167 INLET COVERS TYPE H EACH	52260 RCCP A.E.W. 12" EACH
43	212+30	17'RT.	LAKE BUTTE DES MORTS DRIVE	757.09	756.21	753.21	3.00	1	1	
44	212+30	17'LT.	LAKE BUTTE DES MORTS DRIVE	757.09	756.21	752.06	4.15	1	1	
45	212+30	43'LT.	LAKE BUTTE DES MORTS DRIVE			744.26				1
46	216+12	17'RT.	LAKE BUTTE DES MORTS DRIVE	756.23	755.36	752.36	3.00	1	1	
47	216+12	17'LT.	LAKE BUTTE DES MORTS DRIVE	756.23	755.36	751.21	4.14	1	1	
48	216+12	43'LT.	LAKE BUTTE DES MORTS DRIVE			743.41				1
49	220+50	17'RT.	LAKE BUTTE DES MORTS DRIVE	757.31	756.44	753.44	2.99	1	1	
50	220+50	17'LT.	LAKE BUTTE DES MORTS DRIVE	757.31	756.44	752.68	3.76	1	1	
51	220+50	37'LT.	LAKE BUTTE DES MORTS DRIVE			752.30				1
52	225+00	17'RT.	LAKE BUTTE DES MORTS DRIVE	760.07	759.20	756.20	3.00	1	1	
53	225+00	17'LT.	LAKE BUTTE DES MORTS DRIVE	760.07	759.20	754.98	4.22	1	1	
54	225+00	42'LT.	LAKE BUTTE DES MORTS DRIVE			754.18				1
55	237+00	17'RT.	LAKE BUTTE DES MORTS DRIVE	761.20	760.33	750.46	9.87	1	1	
56	237+00	17'LT.	LAKE BUTTE DES MORTS DRIVE	761.20	760.33	749.66	10.67	1	1	
57	237+00	50'LT.	LAKE BUTTE DES MORTS DRIVE			749.00				1
58	240+90	17'RT.	LAKE BUTTE DES MORTS DRIVE	759.33	758.46	749.14	9.32	1	1	
59	240+90	17'LT.	LAKE BUTTE DES MORTS DRIVE	759.33	758.46	748.34	10.12	1	1	
60	240+90	52'LT.	LAKE BUTTE DES MORTS DRIVE			747.64				1
61	244+80	17'RT.	LAKE BUTTE DES MORTS DRIVE	757.46	756.59	749.12	7.47	1	1	
62	244+80	17'LT.	LAKE BUTTE DES MORTS DRIVE	757.46	756.59	748.32	8.26	1	1	
63	244+80	56'LT.	LAKE BUTTE DES MORTS DRIVE			747.54				1
64	248+70	17'RT.	LAKE BUTTE DES MORTS DRIVE	755.58	754.71	748.49	6.22	1	1	
65	248+70	17'LT.	LAKE BUTTE DES MORTS DRIVE	755.58	754.71	747.69	7.01	1	1	
66	248+70	55'LT.	LAKE BUTTE DES MORTS DRIVE			746.93				1
67	252+60	17'RT.	LAKE BUTTE DES MORTS DRIVE	753.84	752.97	748.25	4.72	1	1	
68	252+60	17'LT.	LAKE BUTTE DES MORTS DRIVE	753.84	752.97	747.45	5.51	1	1	
69	252+60	41'LT.	LAKE BUTTE DES MORTS DRIVE			746.97				1
70	256+24	17'RT.	LAKE BUTTE DES MORTS DRIVE	753.23	752.36	749.36	3.00	1	1	
71	256+24	17'LT.	LAKE BUTTE DES MORTS DRIVE	753.23	752.36	748.30	4.06	1	1	
72	256+24	42'LT.	LAKE BUTTE DES MORTS DRIVE			747.61				1
73	259+00	17'RT.	LAKE BUTTE DES MORTS DRIVE	753.57	752.70	749.70	3.00	1	1	
74	259+00	17'LT.	LAKE BUTTE DES MORTS DRIVE	753.57	752.70	749.25	3.45	1	1	
75	259+00	37'LT.	LAKE BUTTE DES MORTS DRIVE			749.05				1
76	261+50	17'RT.	LAKE BUTTE DES MORTS DRIVE	754.21	753.34	750.34	3.00	1	1	
77	261+50	17'LT.	LAKE BUTTE DES MORTS DRIVE	754.21	753.34	750.00	3.34	1	1	
78	261+50	36'LT.	LAKE BUTTE DES MORTS DRIVE			749.87				1
79	265+40	17'RT.	LAKE BUTTE DES MORTS DRIVE	755.19	754.57	752.00	2.57	1	1	
80	265+40	17'LT.	LAKE BUTTE DES MORTS DRIVE	755.19	754.57	751.55	3.02	1	1	
81	265+40	32'LT.	LAKE BUTTE DES MORTS DRIVE			751.40				1
82	269+30	17'RT.	LAKE BUTTE DES MORTS DRIVE	757.06	756.19	753.19	2.99	1	1	
83	269+30	17'LT.	LAKE BUTTE DES MORTS DRIVE	757.06	756.19	752.04	4.14	1	1	
84	269+30	42'LT.	LAKE BUTTE DES MORTS DRIVE			751.29				1
85	273+20	17'RT.	LAKE BUTTE DES MORTS DRIVE	761.38	760.51	756.62	3.88	1	1	
86	273+20	17'LT.	LAKE BUTTE DES MORTS DRIVE	761.38	760.51	755.82	4.68	1	1	
87	273+20	44'LT.	LAKE BUTTE DES MORTS DRIVE			755.28				1
88	259+00	32' RT.	LAKE BUTTE DES MORTS DRIVE			750.30				1
			TOTAL:					30	30	16

ALL ITEMS & QUANTITIES ON THIS SHEET ARE
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MEDIAN DRAINAGE PIPES, INLETS AND COVERS

STATION	LOCATION	GRATE ELEVATION	FLOWLINE ELEVATION	INV. DEPTH L.F.	61123 INLETS TYPE 8 EACH	90005H INLETS TYPE 8 SPECIAL EACH	61124 INLETS TYPE 9 EACH	61170 COVER TYPE MS EACH	DIRECTION OF OUTLET	REMARKS
98+00	STH 110 MEDIAN	758.00	755.92	2.08		1		1	NORTHBOUND LANE	
108+00	STH 110 MEDIAN	757.80	751.80	6.00	1			1	NORTHBOUND LANE	
114+00	STH 110 MEDIAN	756.13	747.86	8.27			1	2	SOUTHBOUND LANE	TAP INTO CROSS-OVER PIPE
129+00	STH 110 MEDIAN	751.10	749.02	2.08		1		1	NORTHBOUND LANE	
137+00	STH 110 MEDIAN	753.63	751.55	2.08		1		1	SOUTHBOUND LANE	CROSS TO 2ND DITCH (LBDM DRIVE)
150+00	STH 110 MEDIAN	758.70	756.62	2.08		1		1	SOUTHBOUND LANE	
156+00	STH 110 MEDIAN	765.53	762.53	3.00	1			1	SOUTHBOUND LANE	
162+00	STH 110 MEDIAN	775.06	772.06	3.00	1			1	NORTHBOUND LANE	
170+00	STH 110 MEDIAN	788.35	786.27	2.08		1		1	NORTHBOUND LANE	
189+50	STH 110 MEDIAN	798.57	796.49	2.08		1		1	SOUTHBOUND LANE	SEE CONSTRUCTION DETAIL
198+00	STH 110 MEDIAN	794.80	788.80	6.00	1			1	SOUTHBOUND LANE	
204+00	STH 110 MEDIAN	797.06	791.06	6.00	1			1	SOUTHBOUND LANE	
211+00	STH 110 MEDIAN	799.70	796.70	3.00	1			1	SOUTHBOUND LANE	
218+00	STH 110 MEDIAN	802.10	800.02	2.08		1		1	SOUTHBOUND LANE	
228+00	STH 110 MEDIAN	801.48	798.48	3.00	1			1	NORTHBOUND LANE	
236+00	STH 110 MEDIAN	798.99	796.91	2.08		1		1	NORTHBOUND LANE	
244+00	STH 110 MEDIAN	795.74	793.66	2.08		1		1	NORTHBOUND LANE	
252+00	STH 110 MEDIAN	791.29	788.29	3.00	1			1	SOUTHBOUND LANE	
260+00	STH 110 MEDIAN	780.80	778.72	2.08		1		1	NORTHBOUND LANE	
268+00	STH 110 MEDIAN	765.50	762.50	3.00	1			1	NORTHBOUND LANE	
275+00	STH 110 MEDIAN	759.82	757.74	2.08		1		1	SOUTHBOUND LANE	
291+00	STH 110 MEDIAN	770.01	767.01	3.00	1			1	SOUTHBOUND LANE	
299+00	STH 110 MEDIAN	775.63	772.63	3.00	1			1	SOUTHBOUND LANE	
307+00	STH 110 MEDIAN	780.90	777.90	3.00	1			1	SOUTHBOUND LANE	
315+00	STH 110 MEDIAN	785.00	782.92	2.08		1		1	SOUTHBOUND LANE	
325+00	STH 110 MEDIAN	788.50	786.42	2.08		1		1	SOUTHBOUND LANE	
335+00	STH 110 MEDIAN	788.40	785.40	3.00	1			1	SOUTHBOUND LANE	
343+00	STH 110 MEDIAN	786.00	783.00	3.00	1			1	NORTHBOUND LANE	
351+00	STH 110 MEDIAN	778.20	776.12	2.08		1		1	NORTHBOUND LANE	
359+00	STH 110 MEDIAN	766.00	763	3.00	1			1	NORTHBOUND LANE	OUTLET HIGH ON SLOPE
369+00	STH 110 MEDIAN	785.40	782.4	3.00	1			1	NORTHBOUND LANE	OUTLET HIGH ON SLOPE
377+00	STH 110 MEDIAN	800.00	794	6.00	1			1	NORTHBOUND LANE	OUTLET HIGH ON SLOPE
	TOTAL:				17	14	1	33		

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PIPE UNDERDRAIN SUMMARY

STATION - STATION	LOCATION	61201 PIPE UNDERDRAIN 6-INCH L.F.	61202 PIPE UNDERDRAIN 8-INCH L.F.	61211 PIPE UNDERDRAIN, UNPERFORATED, 6-INCH L.F.	64503 GEOTEXTILE FABRIC TYPE DF S.Y.
131+60	STH 110 NB & SB	270			188
131+60 - 137+00	STH 110 NB, RT.	540			375
137+00	STH 110 NB, RT.			5	
31+70	CTH T	390			271
150+75	STH 110 NB & SB	520			361
160+05	STH 110 NB & SB	250			174
160+00 - 162+00	STH 110 NB, LT.	200			139
190+40	STH 110 NB & SB	310			215
267+40 - 275+30	STH 110 NB, RT.	790			549
272+40	STH 110 NB & SB		250		174
290+65	STH 110 NB & SB	250			174
17+20 - 26+15	RECREATION TRAIL, RT.		895		622
	TOTAL:	3,520	1,145	5	3,240

DRAIN TILE EXPLORATION

STATION - STATION	LOCATION	61251 L.F.
256+50 - 260+50	LAKE BUTTE DES MORTS DRIVE, LT.	400
269+00 - 271+00	LAKE BUTTE DES MORTS DRIVE, LT.	200
276+50 - 277+50	LAKE BUTTE DES MORTS DRIVE, LT.	100
31+50 - 32+50	CTH T, RT.	100
24+50 - 26+50	CTH T, LT.	200
283+00 - 284+00	NW FRONTAGE ROAD @ CTH T	100
150+00 - 151+50	STH 110 NB, RT.	150
159+50 - 161+00	STH 110 NB, RT.	150
159+50 - 162+00	STH 110 NB, LT.	250
189+00 - 191+00	STH 110 NB, LT.	200
228+00 - 229+00	STH 110 NB, RT.	100
249+50 - 250+50	STH 110 NB, RT.	100
267+00 - 268+00	STH 110 NB, RT.	100
271+00 - 273+00	STH 110 NB, RT.	200
272+00 - 273+00	STH 110 NB, LT.	100
275+00 - 276+00	STH 110 NB, RT.	100
291+00 - 292+00	STH 110 NB, LT.	100
294+50 - 295+50	STH 110 NB, RT.	100
308+50 - 309+50	STH 110 NB, LT.	100
17+00 - 26+50	RECREATION TRAIL, RT.	950
15+50 - 16+50	CROSS ROAD, RT.	100
	UNDISTRIBUTED	390
	TOTAL:	4,290

BEAM GUARD SUMMARY

STATION - STATION	LOCATION	61407 STEEL THRIE BEAM STRUCTURE APPROACH L.F.	61408 STEEL PLATE BEAM GUARD CLASS A L.F.	61409 STEEL PLATE BEAM GUARD CLASS B L.F.	61435 STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL EACH
248+69.46 - 249+64.61	LAKE BUTTE DES MORTS DRIVE, RT.	33.15			1
248+61.46 - 249+44.61	LAKE BUTTE DES MORTS DRIVE, LT.	33.15			1
252+39.17 - 253+22.32	LAKE BUTTE DES MORTS DRIVE, RT.	33.15			1
252+47.17 - 253+30.32	LAKE BUTTE DES MORTS DRIVE, LT.	33.15			1
15+63.30 - 16+83.95	BROOKS ROAD, RT.	33.15	37.5		1
16+00.80 - 16+83.95	BROOKS ROAD, LT.	33.15			1
19+37.25 - 20+20.40	BROOKS ROAD, RT.	33.15			1
19+37.25 - 20+57.90	BROOKS ROAD, LT.	33.15	37.5		1
12+51.85 - 13+72.50	SKELETON BRIDGE ROAD, RT.	33.15	37.5		1
12+89.35 - 13+72.50	SKELETON BRIDGE ROAD, LT.	33.15			1
16+66.36 - 17+49.51	SKELETON BRIDGE ROAD, RT.	33.15			1
16+74.36 - 17+95.01	SKELETON BRIDGE ROAD, LT.	33.15	37.5		1
	LUEBKE ROAD CUL-DE-SAC			100	
	SPIEGELBERG ROAD CUL-DE-SAC			100	
	TOTAL:	397.8	150	200	12

LANDMARK REFERENCE MONUMENTS AND CAST IRON COVERS

CORNER	SECTION	TOWN	RANGE	62111 LANDMARK REFERENCE MONUMENTS AND CAST IRON COVERS EACH
NW	34	T-19-N	R-16-E	4
W 1/4	34	T-19-N	R-16-E	4
CENTER	33	T-19-N	R-16-E	4
N 1/4	33	T-19-N	R-16-E	4
E 1/4	29	T-19-N	R-16-E	4
N 1/4	29	T-19-N	R-16-E	4
NW	29	T-19-N	R-16-E	4
E 1/4	19	T-19-N	R-16-E	4
CENTER	19	T-19-N	R-16-E	4
W 1/4	19	T-19-N	R-16-E	4
NW	19	T-19-N	R-16-E	4
N 1/4	24	T-19-N	R-15-E	4
CENTER	13	T-19-N	R-15-E	4
E 1/4	11	T-19-N	R-15-E	4
NE	11	T-19-N	R-15-E	4
			TOTAL:	60

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RIGHT-OF-WAY MARKER POST SUMMARY

STATION	LEFT OFFSET	LOCATION	61422 EACH	PLATE REQUIRED
151+47.37	403.37	STH 110	1	X
154+00	275	STH 110	1	X
156+50	200	STH 110	1	X
159+25	175	STH 110	1	
162+00	150	STH 110	1	X
166+00	150	STH 110	1	X
169+00	147.5	STH 110	1	
172+00	145	STH 110	1	X
178+31.89	403.41	STH 110	1	X
178+37.6	179.71	STH 110	1	X
182+22.04	180	STH 110	1	X
182+22.61	265.03	STH 110	1	X
186+50	221.89	STH 110	1	
190+64.93	180	STH 110	1	X
194+03.22	180	STH 110	1	X
199+00	180	STH 110	1	
204+00	180	STH 110	1	
209+00	180	STH 110	1	
214+27.85	180	STH 110	1	X
217+13.93	165	STH 110	1	
220+00	150	STH 110	1	X
225+00	150	STH 110	1	
230+00	150	STH 110	1	
235+00	150	STH 110	1	
240+00	150	STH 110	1	
245+00	150	STH 110	1	
249+00	150	STH 110	1	X
251+00	170	STH 110	1	X
254+24.51	172.5	STH 110	1	
257+49.01	175	STH 110	1	X
259+41.44	140.61	STH 110	1	X
260+46.11	154.58	STH 110	1	X
262+00	150	STH 110	1	X
271+38.94	175	STH 110	1	X
274+08.31	162.5	STH 110	1	
276+77.68	150	STH 110	1	X
281+00	160	STH 110	1	X
282+49.78	207.28	STH 110	1	X
289+00	175	STH 110	1	X
292+00	175	STH 110	1	
295+00	175	STH 110	1	
		SUBTOTAL:	41	

STATION	LEFT OFFSET	LOCATION	61422 EACH	PLATE REQUIRED
298+00	175	STH 110	1	
301+00	175	STH 110	1	
304+00	175	STH 110	1	
307+00	175	STH 110	1	
310+00	175	STH 110	1	
312+05.66	175	STH 110	1	X
315+00	150	STH 110	1	X
318+00	150	STH 110	1	
321+00	150	STH 110	1	X
326+00	150	STH 110	1	X
326+80	260	STH 110	1	X
327+80	270	STH 110	1	X
328+50	210	STH 110	1	X
335+50	260	STH 110	1	X
338+00	310	STH 110	1	X
338+77.44	312.73	STH 110	1	X
338+96.02	249.83	STH 110	1	X
339+20.87	175	STH 110	1	X
342+00	175	STH 110	1	
345+00	175	STH 110	1	
348+00	175	STH 110	1	
351+00	175	STH 110	1	
354+00	175	STH 110	1	
200+53.85	60	LAKE BUTTES DES MORTS DRIVE	1	X
203+26.2	60	LAKE BUTTES DES MORTS DRIVE	1	X
206+50	60	LAKE BUTTES DES MORTS DRIVE	1	
209+50	60	LAKE BUTTES DES MORTS DRIVE	1	
212+64.24	60	LAKE BUTTES DES MORTS DRIVE	1	X
216+86.53	60	LAKE BUTTES DES MORTS DRIVE	1	X
221+00	60	LAKE BUTTES DES MORTS DRIVE	1	
224+47.14	60	LAKE BUTTES DES MORTS DRIVE	1	X
228+00	60	LAKE BUTTES DES MORTS DRIVE	1	
231+00	60	LAKE BUTTES DES MORTS DRIVE	1	X
234+00	60	LAKE BUTTES DES MORTS DRIVE	1	
237+00	60	LAKE BUTTES DES MORTS DRIVE	1	X
241+68.69	60	LAKE BUTTES DES MORTS DRIVE	1	X
244+00	60	LAKE BUTTES DES MORTS DRIVE	1	
247+00	60	LAKE BUTTES DES MORTS DRIVE	1	
250+00	60	LAKE BUTTES DES MORTS DRIVE	1	
253+00	60	LAKE BUTTES DES MORTS DRIVE	1	
255+97.99	60	LAKE BUTTES DES MORTS DRIVE	1	X
		SUBTOTAL:	41	

STATION	LEFT OFFSET	LOCATION	61422 EACH	PLATE REQUIRED
259+50	60	LAKE BUTTES DES MORTS DRIVE	1	
263+00	60	LAKE BUTTES DES MORTS DRIVE	1	
266+23.02	60	LAKE BUTTES DES MORTS DRIVE	1	X
269+25	60	LAKE BUTTES DES MORTS DRIVE	1	
272+37.96	60	LAKE BUTTES DES MORTS DRIVE	1	X
277+41.51	80	LAKE BUTTES DES MORTS DRIVE	1	X
281+10	80	LAKE BUTTES DES MORTS DRIVE	1	X
32+50	205	CTH T	1	X
37+00	130	CTH T	1	X
284+04.8	52	N.W. FRONTAGE ROAD AT CTH T	1	X
287+20.13	52	N.W. FRONTAGE ROAD AT CTH T	1	X
290+00	47	N.W. FRONTAGE ROAD AT CTH T	1	X
291+00	35.84	N.W. FRONTAGE ROAD AT CTH T	1	X
3+70.56	30.7	BROOKS ROAD	1	X
8+98.28	115.69	BROOKS ROAD	1	X
11+75.86	115	BROOKS ROAD	1	X
13+85.96	130	BROOKS ROAD	1	X
5+00	33	SKELETON BRIDGE ROAD	1	X
6+41.58	60	SKELETON BRIDGE ROAD	1	X
7+45.45	67.9	SKELETON BRIDGE ROAD	1	X
10+35.44	90	SKELETON BRIDGE ROAD	1	X
10+65.02	229.51	SKELETON BRIDGE ROAD	1	X
12+25	90	SKELETON BRIDGE ROAD	1	
14+15.73	90	SKELETON BRIDGE ROAD	1	X
18+00	105	SKELETON BRIDGE ROAD	1	X
21+15.02	81.08	SKELETON BRIDGE ROAD	1	X
25+13.07	28.14	SKELETON BRIDGE ROAD	1	X
51+15.2	45	SPIEGELBERG ROAD	1	X
52+73.63	45	SPIEGELBERG ROAD	1	X
56+00	45	SPIEGELBERG ROAD	1	X
57+00	55	SPIEGELBERG ROAD	1	X
60+00	45	SPIEGELBERG ROAD	1	X
61+00	55	SPIEGELBERG ROAD	1	X
66+00	55	SPIEGELBERG ROAD	1	
71+87.62	55	SPIEGELBERG ROAD	1	X
357+00	175	STH 110	1	X
361+90.82	228.65	STH 110	1	X
365+00	268.41	STH 110	1	
368+00.67	307.07	STH 110	1	X
372+51.73	366.13	STH 110	1	X
		SUBTOTAL:	40	

CONTINUED ON NEXT SHEET

MISCELLANEOUS QUANTITIES	HWY: STH 110	COUNTY: WINNEBAGO	STATE PROJECT NO: 6200-05-71	SHEET NO: 30	E

FILE NAME: Q:\MISC.QUANTITIES\6200-05-71\ENGSHEET1.PPT ORIGINATOR: ORIG. DATE: REV. DATE:

ALL ITEMS & QUANTITIES ON THIS SHEET ARE
FOR CATEGORY 0010, UNLESS OTHERWISE NOTED.

RIGHT-OF-WAY MARKER POST SUMMARY - CONTINUED

STATION	RIGHT OFFSET	LOCATION	61422 EACH	PLATE REQUIRED
100+65.16	156.59	STH 110	1	X
100+68.39	101.26	STH 110	1	X
101+50.01	161.58	STH 110	1	X
101+85.61	108.58	STH 110	1	X
151+00	285	STH 110	1	X
154+00	165	STH 110	1	X
158+00	130	STH 110	1	X
161+50	140	STH 110	1	
165+00	150	STH 110	1	X
170+00	170	STH 110	1	X
173+50	185	STH 110	1	
175+01.72	523.84	STH 110	1	X
175+53.24	565.1	STH 110	1	X
177+00	200	STH 110	1	X
177+00	425	STH 110	1	X
178+75	230	STH 110	1	X
181+00	240	STH 110	1	X
186+00	205	STH 110	1	X
189+50	190	STH 110	1	
193+00	175	STH 110	1	X
197+00	181.48	STH 110	1	
201+17.52	188.24	STH 110	1	X
202+85.24	150	STH 110	1	X
206+50	150	STH 110	1	
210+50	150	STH 110	1	
214+27.85	150	STH 110	1	.X
219+00	150	STH 110	1	
224+00	150	STH 110	1	
229+00	150	STH 110	1	
234+00	150	STH 110	1	
239+00	150	STH 110	1	
244+00	150	STH 110	1	
249+00	150	STH 110	1	
254+00	150	STH 110	1	
257+49.01	150	STH 110	1	X
259+40.668	150	STH 110	1	X
263+25.96	110	STH 110	1	X
267+30	110	STH 110	1	
271+38.94	110	STH 110	1	X
274+08.58	107.5	STH 110	1	
276+77.68	105	STH 110	1	X
280+00	108.66	STH 110	1	
283+00	112.07	STH 110	1	
285+58.37	115	STH 110	1	X
289+00	87	STH 110	1	X
		SUBTOTAL	45	

STATION	RIGHT OFFSET	LOCATION	61422 EACH	PLATE REQUIRED
292+00	87	STH 110	1	
295+00	87	STH 110	1	
298+00	87	STH 110	1	
301+00	87	STH 110	1	
303+51.06	189.07	STH 110	1	X
303+68.52	252.46	STH 110	1	X
304+00	87	STH 110	1	
305+20.45	87	STH 110	1	X
305+31.15	130.85	STH 110	1	X
305+55.3	212.22	STH 110	1	X
307+59.15	165.62	STH 110	1	X
308+61.27	151.35	STH 110	1	X
311+24.31	133.85	STH 110	1	X
314+21.94	148.24	STH 110	1	X
319+00	161.73	STH 110	1	
323+21.92	173.63	STH 110	1	X
327+50	152.32	STH 110	1	
331+18.47	133.98	STH 110	1	X
335+40	139.99	STH 110	1	X
338+39.56	143.22	STH 110	1	X
340+99.1	296.47	STH 110	1	X
344+00	118	STH 110	1	
347+00	118	STH 110	1	
350+00	118	STH 110	1	
353+00	118	STH 110	1	
200+00.92	50	LAKE BUTTE DES MORTS DRIVE	1	X
203+26.2	50	LAKE BUTTE DES MORTS DRIVE	1	X
206+50	50	LAKE BUTTE DES MORTS DRIVE	1	
209+50	50	LAKE BUTTE DES MORTS DRIVE	1	
212+64.24	50	LAKE BUTTE DES MORTS DRIVE	1	X
216+86.53	60	LAKE BUTTE DES MORTS DRIVE	1	X
218+85.45	60	LAKE BUTTE DES MORTS DRIVE	1	X
269+32.36	79	LAKE BUTTES DES MORTS DRIVE	1	X
270+80	112	LAKE BUTTES DES MORTS DRIVE	1	X
272+37.96	140	LAKE BUTTES DES MORTS DRIVE	1	X
274+00	200	LAKE BUTTES DES MORTS DRIVE	1	X
275+35	225	LAKE BUTTES DES MORTS DRIVE	1	X
276+29.1	265	LAKE BUTTES DES MORTS DRIVE	1	X
276+72.48	250	LAKE BUTTES DES MORTS DRIVE	1	X
277+41	230	LAKE BUTTE DES MORTS DRIVE	1	X
277+41.51	85	LAKE BUTTE DES MORTS DRIVE	1	X
280+80	85	LAKE BUTTE DES MORTS DRIVE	1	X
36+08.45	200	CTH T	1	X
285+67.59	80.68	N.W. FRONTAGE ROAD AT CTH T	1	X
287+20.13	70	N.W. FRONTAGE ROAD AT CTH T	1	X
		SUBTOTAL	45	

STATION	RIGHT OFFSET	LOCATION	61422 EACH	PLATE REQUIRED
289+00	60	N.W. FRONTAGE ROAD AT CTH T	1	X
291+00	29.72	N.W. FRONTAGE ROAD AT CTH T	1	X
3+38.31	36.34	BROOKS ROAD	1	X
6+20	73.03	BROOKS ROAD	1	
8+98.51	109.31	BROOKS ROAD	1	X
11+75.86	110	BROOKS ROAD	1	X
15+70.61	120	BROOKS ROAD	1	X
15+76.93	175	BROOKS ROAD	1	X
16+26.34	275	BROOKS ROAD	1	X
16+75	132.35	BROOKS ROAD	1	X
27+44.28	42.75	BROOKS ROAD	1	X
29+09.01	45	BROOKS ROAD	1	X
29+88.74	35.07	BROOKS ROAD	1	X
19+67.45	235.66	SKELETON BRIDGE ROAD	1	X
20+60	220	SKELETON BRIDGE ROAD	1	X
21+10	155	SKELETON BRIDGE ROAD	1	X
24+84.57	149.54	SKELETON BRIDGE ROAD	1	X
25+93.59	151.88	SKELETON BRIDGE ROAD	1	X
26+00	38.44	SKELETON BRIDGE ROAD	1	X
56+00	46.83	SPIEGELBERG ROAD	1	X
61+00	47.81	SPIEGELBERG ROAD	1	
66+00	48.78	SPIEGELBERG ROAD	1	
71+81.46	49.92	SPIEGELBERG ROAD	1	X
72+53.98	220.36	SPIEGELBERG ROAD	1	X
356+00	118	STH 110	1	
358+00	118	STH 110	1	
360+00	118	STH 110	1	X
363+37.6	173.71	STH 110	1	X
367+50	247.1	STH 110	1	
371+56.93	319.52	STH 110	1	X
13+00	50	S.W. FRONTAGE ROAD AT STH 116	1	
16+07.9	50	S.W. FRONTAGE ROAD AT STH 116	1	X
18+55.72	50	S.W. FRONTAGE ROAD AT STH 116	1	X
20+42.8	50	S.W. FRONTAGE ROAD AT STH 116	1	X
		SUBTOTAL	34	
		TOTAL:	246	

MISCELLANEOUS QUANTITIES	HWY: STH 110	COUNTY: WINNEBAGO	STATE PROJECT NO: 6200-05-71	SHEET NO: 3R	E

FILE NAME: Q:\MISC.QUANTITIES\6200-05-71\ENGSHEET1.PPT ORIGINATOR: ORIG. DATE: REV. DATE:

ALL ITEMS & QUANTITIES ON THIS SHEET ARE
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EROSION BALE SUMMARY

STATION	LOCATION	62811 EROSION BALES DELIVERED EACH	62812 EROSION BALES INSTALLED EACH	REMARKS
105+00	STH 110 NB, RT.	10	10	
121+00	STH 110	30	30	2 CHECKS PER DITCH
123+00	STH 110 NB, RT.	10	10	
124+00	STH 110	20	20	2 CHECKS PER DITCH
126+00	STH 110 NB, RT.	5	5	
148+50	STH 110	10	10	
149+00	STH 110	20	20	
157+00	STH 110 MEDIAN	5	5	
158+00	STH 110 MEDIAN	5	5	
158+00	STH 110 SB, LT.	5	5	
159+00	STH 110 MEDIAN	5	5	
159+00	STH 110 NB, RT.	5	5	
160+00	STH 110 MEDIAN	5	5	
160+00	STH 110 SB, LT.	5	5	
161+00	STH 110	15	15	
162+00	STH 110	10	10	
163+00	STH 110 MEDIAN	5	5	
164+00	STH 110 MEDIAN & SB, LT.	10	10	
165+00	STH 110 SB, LT.	5	5	
169+00	STH 110 SB, LT.	10	10	
172+00	STH 110 MEDIAN	5	5	
173+00	STH 110 MEDIAN	5	5	
174+00	STH 110 MEDIAN	5	5	
188+00	STH 110	40	40	2 CHECKS ON SIDE OF CULVERT
198+00	STH 110 SB, LT.	10	10	
209+00	STH 110	20	20	
210+00	STH 110 NB, RT.	10	10	
210+00	STH 110 SB, LT.	5	5	
211+00	STH 110	10	10	
212+00	STH 110 SB, LT.	5	5	
226+00	STH 110	10	10	
228+00	STH 110 SB, LT.	10	10	
229+00	STH 110	20	20	
239+00	STH 110	10	10	
249+00	STH 110 NB, RT.	5	5	
250+00	STH 110 SB, LT.	5	5	
251+00	STH 110 NB, RT.	10	10	
251+00	STH 110 SB, LT.	5	5	
251+50	STH 110 SB, LT.	5	5	
253+00	STH 110 SB, LT.	10	10	
257+00	STH 110 NB, RT.	5	5	
258+00	STH 110	10	10	
259+00	STH 110	15	15	
	SUBTOTAL:	430	430	

STATION	LOCATION	62811 EROSION BALES DELIVERED EACH	62812 EROSION BALES INSTALLED EACH
260+00	STH 110 SB, LT.	5	5
260+00	STH 110 NB, RT.	10	10
261+00	STH 110 SB RT. & LT.	10	10
262+00	STH 110 MEDIAN	5	5
263+00	STH 110 MEDIAN	5	5
264+00	STH 110 MEDIAN	5	5
265+00	STH 110	10	10
266+00	STH 110	10	10
267+00	STH 110	10	10
269+00	STH 110 NB, RT.	5	5
270+00	STH 110	10	10
271+00	STH 110	10	10
272+50	STH 110	20	20
273+00	STH 110	20	20
274+00	STH 110 SB, LT.	5	5
274+50	STH 110 SB, LT.	10	10
275+00	STH 110 SB, LT.	5	5
281+00	STH 110 MEDIAN	5	5
282+00	STH 110 NB, RT.	10	10
284+00	STH 110 SB, LT.	5	5
285+00	STH 110 NB LT. & RT.	10	10
287+00	STH 110 SB, LT.	10	10
289+00	STH 110 NB, RT.	10	10
290+50	STH 110 SB, LT.	5	5
291+00	STH 110 SB, LT.	5	5
293+00	STH 110 NB LT. & RT.	10	10
304+00	STH 110 NB, RT.	10	10
305+00	STH 110 NB, RT.	10	10
326+00	STH 110 SB, LT.	5	5
340+00	STH 110 NB LT. & RT.	10	10
341+00	STH 110 NB LT. & RT.	10	10
342+00	STH 110 MEDIAN	5	5
342+00	STH 110 NB, RT.	10	10
349+00	STH 110 MEDIAN	5	5
350+00	STH 110 MEDIAN	5	5
351+00	STH 110 NB, RT.	5	5
352+00	STH 110	10	10
354+00	STH 110	10	10
355+00	STH 110	15	15
356+00	STH 110	15	15
357+00	STH 110	15	15
358+00	STH 110	15	15
359+00	STH 110 SB, LT.	5	5
	SUBTOTAL:	385	385

CONTINUED ON NEXT SHEET

MISCELLANEOUS QUANTITIES	HWY: STH 110	COUNTY: WINNEBAGO	STATE PROJECT NO: 6200-05-71	SHEET NO: 35	E

FILE NAME: Q:\MISC.QUANTITIES\6200-05-71\ENGSHEET1.PPT ORIGINATOR: ORIG. DATE: REV. DATE:

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EROSION BALE SUMMARY-CONTINUED

STATION	LOCATION	62811 EROSION BALES DELIVERED EACH	62812 EROSION BALES INSTALLED EACH	REMARKS
360+00	STH 110	10	10	
361+00	STH 110 NB, RT.	5	5	
361+00	STH 110 SB, LT.	10	10	
361+50	STH 110 SB, LT.	10	10	
362+00	STH 110 NB, RT.	10	10	
363+50	STH 110 NB, RT.	10	10	
363+50	STH 110 MEDIAN	5	5	
365+50	STH 110 MEDIAN	5	5	
367+00	STH 110 MEDIAN	5	5	
368+00	STH 110 MEDIAN	5	5	
370+00	STH 110 MEDIAN	5	5	
372+00	STH 110 MEDIAN	5	5	
372+50	STH 110 MEDIAN	5	5	
375+00	STH 110 MEDIAN	5	5	
376+50	STH 110 MEDIAN	5	5	
373+00	STH 110 MEDIAN	5	5	
212+00	LAKE BUTTE DES MORTS DRIVE, RT.	5	5	
212+50	LAKE BUTTE DES MORTS DRIVE, LT.	5	5	
214+50	LAKE BUTTE DES MORTS DRIVE, LT.	5	5	
215+50	LAKE BUTTE DES MORTS DRIVE, LT.	5	5	
217+00	LAKE BUTTE DES MORTS DRIVE	20	20	2 CHECKS PER DITCH
222+50	LAKE BUTTE DES MORTS DRIVE, LT.	5	5	
223+50	LAKE BUTTE DES MORTS DRIVE, LT.	5	5	
226+00	LAKE BUTTE DES MORTS DRIVE, RT.	10	10	
234+00	LAKE BUTTE DES MORTS DRIVE, LT.	10	10	
249+00	LAKE BUTTE DES MORTS DRIVE, LT.	10	10	
253+00	LAKE BUTTE DES MORTS DRIVE, LT.	10	10	
258+50	LAKE BUTTE DES MORTS DRIVE, LT.	10	10	
259+50	LAKE BUTTE DES MORTS DRIVE, LT.	10	10	
270+00	LAKE BUTTE DES MORTS DRIVE, LT.	10	10	
270+00	LAKE BUTTE DES MORTS DRIVE, RT.	5	5	
275+00	LAKE BUTTE DES MORTS DRIVE	20	20	2 CHECKS PER DITCH
273+50	LAKE BUTTE DES MORTS DRIVE, LT.	5	5	
274+50	LAKE BUTTE DES MORTS DRIVE	10	10	
277+50	LAKE BUTTE DES MORTS DRIVE, LT.	5	5	
283+00	NW FRONTAGE ROAD AT CTH T	20	20	
36+00	CTH Y, LT.	5	5	
36+50	CTH Y	20	20	
38+00	CTH Y	10	10	
39+00	CTH Y	10	10	
40+00	CTH Y	10	10	
6+50	RECREATION TRAIL	10	10	
7+00	RECREATION TRAIL	5	5	
	SUBTOTAL:	360	360	

STATION	LOCATION	62811 EROSION BALES DELIVERED EACH	62812 EROSION BALES INSTALLED EACH
8+00	RECREATION TRAIL	5	5
7+50	BROOKS ROAD, RT.	10	10
8+00	BROOKS ROAD, LT.	10	10
10+00	BROOKS ROAD, RT.	10	10
11+00	BROOKS ROAD, RT.	10	10
11+00	BROOKS ROAD, LT.	5	5
12+50	BROOKS ROAD, LT.	5	5
13+00	BROOKS ROAD, RT.	5	5
14+00	BROOKS ROAD	10	10
20+00	BROOKS ROAD, LT.	10	10
20+00	BROOKS ROAD, RT.	5	5
21+50	BROOKS ROAD, LT.	5	5
4+00	SKELETON BRIDGE ROAD, RT.	10	10
6+00	SKELETON BRIDGE ROAD, LT.	10	10
7+00	SKELETON BRIDGE ROAD, RT.	10	10
8+00	SKELETON BRIDGE ROAD, RT.	10	10
11+00	SKELETON BRIDGE ROAD, LT.	10	10
12+00	SKELETON BRIDGE ROAD, RT.	5	5
13+00	SKELETON BRIDGE ROAD, RT.	5	5
17+00	SKELETON BRIDGE ROAD, RT.	10	10
18+00	SKELETON BRIDGE ROAD, RT.	10	10
19+00	SKELETON BRIDGE ROAD, LT.	10	10
19+50	SKELETON BRIDGE ROAD, LT.	10	10
15+50	KOLB ROAD, RT.	5	5
16+50	KOLB ROAD, RT.	5	5
47+50	KOLB ROAD	20	20
48+00	KOLB ROAD, RT.	10	10
51+00	KOLB ROAD, LT.	5	5
52+00	KOLB ROAD, LT.	10	10
60+50	KOLB ROAD	10	10
61+50	KOLB ROAD	10	10
62+50	KOLB ROAD	10	10
63+50	KOLB ROAD	10	10
65+50	KOLB ROAD	10	10
67+50	KOLB ROAD, RT.	5	5
365+50	SW RAMP AT STH 116, LT.	5	5
367+00	SW RAMP AT STH 116, LT.	5	5
368+00	SW RAMP AT STH 116, LT.	5	5
371+00	SW RAMP AT STH 116	20	20
372+00	SW RAMP AT STH 116, RT.	10	10
372+50	SW RAMP AT STH 116, RT.	5	5
363+50	SE RAMP AT STH 116, RT.	10	10
367+00	SE RAMP AT STH 116, LT.	5	5
	SUBTOTAL:	365	365

STATION	LOCATION	62811 EROSION BALES DELIVERED EACH	62812 EROSION BALES INSTALLED EACH
368+00	SE RAMP AT STH 116, RT.	5	5
368+50	SE RAMP AT STH 116, LT.	5	5
370+50	SE RAMP AT STH 116, LT.	5	5
371+50	SE RAMP AT STH 116, LT.	5	5
372+00	SE RAMP AT STH 116, LT.	10	10
372+50	SE RAMP AT STH 116, LT.	10	10
369+50	NE RAMP AT STH 116, RT.	10	10
370+00	NE RAMP AT STH 116, LT.	10	10
	UNDISTRIBUTED	419	419
	SUBTOTAL:	479	479
	TOTAL:	2,019	2,019

MISCELLANEOUS QUANTITIES	HWY: STH 110	COUNTY: WINNEBAGO	STATE PROJECT NO: 6200-05-71	SHEET NO: 3T	E

FILE NAME: Q:\MISC.QUANTITIES\6200-05-71\ENGSHEET1.PPT ORIGINATOR: ORIG. DATE: REV. DATE:

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SILT FENCE SUMMARY

STATION - STATION	LOCATION	62815 SILT FENCE DELIVERED L.F.	62816 SILT FENCE INSTALLED L.F.	62817 SILT FENCE MAINTENANCE L.F.	REMARKS
98+00 -	STH 110 MEDIAN	20	20	20	
107+00 -	STH 110 MEDIAN	20	20	20	
112+00 - 121+00	STH 110 NB, RT.	900	900	900	
121+00 -	STH 110	350	350	350	
123+00 -	STH 110	500	500	500	
122+50 - 126+00	STH 110 NB, RT.	350	350	350	
129+00 -	STH 110 MEDIAN	20	20	20	
137+00 -	STH 110 MEDIAN	20	20	20	
150+00 -	STH 110 MEDIAN	20	20	20	
156+00 -	STH 110 MEDIAN	20	20	20	
162+00 -	STH 110 MEDIAN	20	20	20	
170+00 -	STH 110 MEDIAN	20	20	20	
189+50 -	STH 110 MEDIAN	20	20	20	
195+00 - 209+00	STH 110 SB, LT.	1,400	1,400	1,400	
198+00 -	STH 110 MEDIAN	20	20	20	
204+00 -	STH 110 MEDIAN	20	20	20	
211+00 -	STH 110 MEDIAN	20	20	20	
218+00 -	STH 110 MEDIAN	20	20	20	
228+00 -	STH 110 MEDIAN	20	20	20	
236+00 -	STH 110 MEDIAN	20	20	20	
244+00 -	STH 110 MEDIAN	20	20	20	
249+00 - 251+00	STH 110 NB, RT.	200	200	200	
252+00 -	STH 110 MEDIAN	20	20	20	
260+00 -	STH 110 MEDIAN	20	20	20	
268+00 -	STH 110 MEDIAN	20	20	20	
275+00 -	STH 110 MEDIAN	20	20	20	
277+00 - 284+00	STH 110	1,000	1,000	1,000	ALONG DAGGETS CREEK
	SUBTOTAL:	5,100	5,100	5,100	

STATION - STATION	LOCATION	62815 SILT FENCE DELIVERED L.F.	62816 SILT FENCE INSTALLED L.F.	62817 SILT FENCE MAINTENANCE L.F.	REMARKS
291+00 -	STH 110 MEDIAN	20	20	20	
299+00 -	STH 110 MEDIAN	20	20	20	
306+00 -	STH 110 MEDIAN	20	20	20	
315+00 -	STH 110 MEDIAN	20	20	20	
325+00 -	STH 110 MEDIAN	20	20	20	
335+00 -	STH 110 MEDIAN	20	20	20	
343+00 -	STH 110 MEDIAN	20	20	20	
351+00 -	STH 110 MEDIAN	20	20	20	
359+00	STH 110 MEDIAN	20	20	20	
369+00	STH 110 MEDIAN	20	20	20	
377+00	STH 110 MEDIAN	20	20	20	
200+00 - 206+00	LAKE BUTTE DES MORTS DRIVE, LT.	600	600	600	
207+00 - 214+75	LAKE BUTTE DES MORTS DRIVE, LT.	780	780	780	
207+00 - 215+50	LAKE BUTTE DES MORTS DRIVE, RT.	850	850	850	
215+00 - 217+00	LAKE BUTTE DES MORTS DRIVE, LT.	200	200	200	
225+00 - 229+00	LAKE BUTTE DES MORTS DRIVE, LT.	400	400	400	
236+00 - 245+50	LAKE BUTTE DES MORTS DRIVE, LT.	950	950	950	
252+00 - 258+00	LAKE BUTTE DES MORTS DRIVE, LT.	600	600	600	
145+00 - 148+00	CTH T	900	900	900	
5+00 - 8+00	BROOKS ROAD	900	900	900	
9+00 - 13+00	BROOKS ROAD	1,200	1,200	1,200	
20+00 - 26+00	BROOKS ROAD	600	600	600	
6+00 - 20+00	SKELETON BRIDGE ROAD, RT.	1,400	1,400	1,400	ALONG OLD ROADWAY
11+00 - 13+00	SKELETON BRIDGE ROAD, LT.	200	200	200	
56+00 - 58+00	KOLB ROAD, RT.	200	200	200	
0+50	WETLAND MITIGATION SITE (MIT 3-6)	600	600	600	ALONG WEST SIDE
	UNDISTRIBUTED	3,925	3,925	3,925	
	SUBTOTAL:	14,525	14,525	14,525	
	TOTAL:	19,625	19,625	19,625	

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CLEANING SEDIMENT BASINS & SEDIMENT BASIN EXCAVATION

STATION	LOCATION	62820 CLEANING SEDIMENT BASINS CY	90034 SEDIMENT BASIN EXCAVATION CY
188+00	STH 110	11	11
272+65	STH 110	11	11
362+25	STH 110	11	11
259+00	LAKE BUTTE DES MORTS DRIVE	11	11
270+30	LAKE BUTTE DES MORTS DRIVE	11	11
27+00	CTH T	11	11
283+00	NW FRONTAGE ROAD @ CTH T	11	11
19+50	BROOKS ROAD	11	11
13+80	SKELETON BRIDGE ROAD	11	11
16+60	SKELETON BRIDGE ROAD	11	11
18+70	SKELETON BRIDGE ROAD	11	11
25+00	CROSS ROAD	11	11
77+00	STH 116	11	11
87+00	STH 116	11	11
374+50	NE RAMP @ STH 116	11	11
371+00	SW RAMP @ STH 116	11	11
372+50	SE RAMP @ STH 116	11	11
	TOTAL:	187	187

EROSION MAT CLASS I TYPE A

STATION - STATION	LOCATION	62822 DELIVERED S.Y.	62823 INSTALLED S.Y.	REMARKS
147+00 - 147+70	STH 110 NB, RT.	100	100	
172+00 - 178+00	STH 110 SB, LT.	540	540	STAGGERED INSTALLATION
188+50 - 193+50	STH 110 NB, RT.	670	670	STAGGERED INSTALLATION
197+50 - 216+00	STH 110 NB, RT.	1,650	1,650	STAGGERED INSTALLATION
200+00 - 211+00	STH 110 SB, LT.	980	980	STAGGERED INSTALLATION
376+00 - 381+00	STH 110 SB, LT.	670	670	STAGGERED INSTALLATION
223+60 - 225+10	LAKE BUTTE DES MORTS DRIVE, RT.	250	250	
246+50 - 249+50	LAKE BUTTE DES MORTS DRIVE, LT.	300	300	
252+20 - 253+50	LAKE BUTTE DES MORTS DRIVE, RT.	300	300	
30+50 - 32+00	CTH Y, RT.	200	200	STAGGERED INSTALLATION
0+50 - 1+50	BROOKS ROAD, RT.	120	120	
9+00 - 16+00	BROOKS ROAD, LT.	6,250	6,250	
9+00 - 17+00	BROOKS ROAD, RT.	7,150	7,150	
19+50 - 25+00	BROOKS ROAD, LT.	3,700	3,700	
20+00 - 24+50	BROOKS ROAD, RT.	2,500	2,500	
50+00 - 52+00	KOLB ROAD, LT.	450	450	
54+50 - 55+50	KOLB ROAD, RT.	230	230	
60+00 - 62+50	KOLB ROAD, RT.	560	560	
71+00 - 72+00	KOLB ROAD, LT.	230	230	
118+50 - 121+00	STH 110 SB, LT.	230	230	
124+00 - 125+00	STH 110 SB, LT.	90	90	
324+50 - 325+50	STH 110 SB, LT.	90	90	
	UNDISTRIBUTED	6,740	6,740	
	TOTAL:	34,000	34,000	

MOBILIZATION, EROSION CONTROL

LOCATION	62819 MOBILIZATION, EROSION CONTROL EACH
STH 110	6
TOTAL:	6

EROSION MAT CLASS I TYPE B

STATION - STATION	LOCATION	62824 DELIVERED S.Y.	62825 INSTALLED S.Y.	REMARKS
107+50 - 108+50	STH 110 MEDIAN	140	140	
113+50 - 114+50	STH 110 MEDIAN	140	140	
114+50 - 121+00	STH 110 NB, RT.	2,200	2,200	
128+50 - 129+50	STH 110 MEDIAN	140	140	
136+50 - 137+50	STH 110 MEDIAN	140	140	
149+20 - 150+00	STH 110 SB, LT.	110	110	
149+30 - 150+80	STH 110 NB, RT.	200	200	
149+50 - 150+50	STH 110 MEDIAN	140	140	
155+50 - 156+50	STH 110 MEDIAN	140	140	
158+00 - 159+00	STH 110 MEDIAN	140	140	
158+50 - 159+00	STH 110 SB, LT.	70	70	
160+00 - 163+50	STH 110 MEDIAN	470	470	
160+00 - 161+00	STH 110 NB, RT.	140	140	
160+50 - 162+00	STH 110 SB, LT.	200	200	
165+00 - 166+00	STH 110 MEDIAN	140	140	
167+00 - 178+00	STH 110 NB, RT.	2,450	2,450	STAGGERED INSTALLATION
169+50 - 170+50	STH 110 MEDIAN	140	140	
180+00 - 200+00	STH 110 SB, LT.	8,900	8,900	
180+50 - 182+00	STH 110 NB, RT.	270	270	STAGGERED INSTALLATION
189+00 - 190+00	STH 110 MEDIAN	140	140	
188+50 - 193+50	STH 110 NB, RT.	270	270	STAGGERED INSTALLATION
197+50 - 198+50	STH 110 MEDIAN	140	140	
203+50 - 204+50	STH 110 MEDIAN	140	140	
210+50 - 211+50	STH 110 MEDIAN	140	140	
217+50 - 218+50	STH 110 MEDIAN	140	140	
227+50 - 228+50	STH 110 MEDIAN	140	140	
227+50 - 229+00	STH 110 SB, LT.	200	200	
228+00 - 229+30	STH 110 NB, RT.	180	180	
235+50 - 236+50	STH 110 MEDIAN	140	140	
	SUBTOTAL:	17,900	17,900	

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EROSION MAT CLASS I TYPE B - CONTINUED

STATION	-	STATION	LOCATION	62824 DELIVERED S.Y.	62825 INSTALLED S.Y.
243+50	-	244+50	STH 110 MEDIAN	140	140
249+30	-	250+50	STH 110 NB, RT.	160	160
250+20	-	253+00	STH 110 SB, LT.	380	380
251+50	-	252+50	STH 110 MEDIAN	140	140
259+00	-	260+00	STH 110 NB, RT.	140	140
259+50	-	260+50	STH 110 MEDIAN	140	140
262+00	-	262+50	STH 110 SB, LT.	70	70
262+50	-	266+00	STH 110 NB, RT.	470	470
263+00	-	266+00	STH 110 MEDIAN	400	400
265+00	-	266+00	STH 110 SB, LT.	140	140
267+50	-	268+50	STH 110 MEDIAN	140	140
267+50	-	268+50	STH 110 NB, RT.	140	140
268+00	-	270+00	STH 110 SB, LT.	270	270
273+00	-	273+50	STH 110 NB, RT.	70	70
274+50	-	275+50	STH 110 MEDIAN	140	140
280+00	-	282+00	STH 110 NB, RT.	270	270
287+00	-	288+00	STH 110 SB, LT.	140	140
290+50	-	291+50	STH 110 MEDIAN	140	140
290+50	-	291+50	STH 110 SB, LT.	140	140
298+50	-	299+50	STH 110 MEDIAN	140	140
298+50	-	299+50	STH 110 SB, LT.	140	140
305+00	-		STH 110 NB, RT.	70	70
306+50	-	307+50	STH 110 MEDIAN	140	140
314+50	-	315+50	STH 110 MEDIAN	140	140
324+50	-	325+50	STH 110 MEDIAN	140	140
334+50	-	335+50	STH 110 MEDIAN	140	140
340+00	-	341+00	STH 110 NB, RT.	140	140
342+50	-	343+50	STH 110 MEDIAN	140	140
350+50	-	351+50	STH 110 MEDIAN	140	140
350+50	-	351+00	STH 110 NB, RT.	70	70
			SUBTOTAL:	5,030	5,030

STATION	-	STATION	LOCATION	62824 DELIVERED S.Y.	62825 INSTALLED S.Y.	REMARKS
352+00	-	354+00	STH 110 SB, LT.	270	270	
352+50	-	354+00	STH 110 MEDIAN	200	200	
353+00	-	354+00	STH 110 NB, RT.	140	140	
354+00	-	359+00	STH 110 SB, LT.	670	670	
354+00	-	355+00	STH 110 MEDIAN	140	140	
354+00	-	357+00	STH 110 NB, RT.	400	400	
358+50	-	359+50	STH 110 MEDIAN	140	140	
361+00	-	362+00	STH 110 SB, LT.	140	140	
362+00	-	363+00	STH 110 NB, RT.	140	140	
367+00	-	370+00	STH 110 SB, LT.	400	400	
368+50	-	369+50	STH 110 MEDIAN	140	140	
376+50	-	377+50	STH 110 MEDIAN	140	140	
215+50	-	216+70	LAKE BUTTE DES MORTS DRIVE, RT.	160	160	
236+00	-	242+50	LAKE BUTTE DES MORTS DRIVE, LT.	2,900	2,900	
36+00	-		CTH Y LT.	200	200	
6+00	-		RECREATION TRAIL, LT.	70	70	
7+00	-		RECREATION TRAIL, LT.	70	70	
13+80	-	14+50	RECREATION TRAIL, LT.	100	100	
7+00	-	8+00	BROOKS ROAD LT. & RT.	270	270	
7+00	-	7+50	SKELETON BRIDGE ROAD, RT.	70	70	
8+00	-	8+50	SKELETON BRIDGE ROAD, LT.	70	70	
9+00	-	10+00	SKELETON BRIDGE ROAD, LT.	140	140	
15+00	-	16+50	KOLB ROAD, RT.	200	200	
367+00	-	368+00	SE RAMP AT STH 116, RT.	540	540	STAGGERED INSTALLATION
370+00	-	372+00	SW RAMP AT STH 116, RT.	670	670	BACKSLOPE
375+00	-	377+00	NE RAMP AT STH 116, LT & RT.	1,150	1,150	
378+50	-	379+50	NE RAMP AT STH 116, LT.	280	280	
			UNDISTRIBUTED	8,220	8,220	
			SUBTOTAL:	18,030	18,030	
			TOTAL:	40,960	40,960	

ALL ITEMS & QUANTITIES ON THIS SHEET ARE
FOR CATEGORY 0010, UNLESS OTHERWISE NOTED.

LANDSCAPING

STATION	TO	STATION	LOCATION	62501 TOPSOIL S.Y.	62505 SALVAGED TOPSOIL S.Y.	63003 SEEDING TEMPORARY LB.	63008 SEEDING MIXTURE NO. 10 LB.	63010 SEEDING MIXTURE NO. 30 LB.	63011 SEEDING MIXTURE NO. 40 LB.	63013 SEEDING MIXTURE NO. 60 LB.	62905 FERTILIZER TYPE B CWT.	62703 MULCHING TON	62866 SOIL STABILIZER, TYPE B ACRE
98+00	-	137+00	STH 110		33,222	919	86	478		23	21.3	14	
146+00	-	203+00	STH 110		96,852	2678	1,119	699			66.7	41	
203+00	-	260+00	STH 110		68,800	1902	567	704			44.0	30	
260+00	-	317+00	STH 110		70,156	1940	592	699			44.9	30	
317+00	-	354+00	STH 110		42,089	1164	321	454			26.9	18	
200+43	-	249+60	LAKE BUTTE DES MORTS DRIVE		31,947	883		588			20.4	14	
252+27	-	281+13	LAKE BUTTE DES MORTS DRIVE		21,417	592		394			13.7	9	
37+50	-	38+00	STEARNS ROAD		360	10		7			0.2	0	
26+00	-	38+00	CTH T		5,545	153		102			3.5	2	
282+50	-	285+00	NW FRONTAGE ROAD @ CTH T		1,928	53	5	31			1.2	1	
30+56	-	41+00	CTH Y		8,643	239	31	128			5.5	4	
5+00	-	28+00	RECREATION TRAIL		11,489	318		211			7.4	5	
20+50	-	22+66	OLD STH 110 PARKING LOT		790	22		15			0.5	0	
8+50	-	10+30	LUEBKE ROAD		462	13		9			0.3	0	
3+00	-	30+50	BROOKS ROAD		30,089	832	210	343			19.3	13	
10+50	-		EWALD FIELD ENTRANCE		2,349	65	16	28			1.5	1	
10+25			MOKERS FIELD ENTRANCE		2,312	64	15	28			1.5	1	
			MOKERS BACK DRIVEWAY	835		23			31		0.5	0	
			OKERS FRONT DRIVEWAY	351		10			14		0.2	0	
			SKELETON BRIDGE ROAD		25,072	693	191	270			16.0	11	
			HANSEN DRIVEWAY	2035		56			75		1.3	1	
		50+78	SHAMMY LANE		2,346	65		43			1.5	1	
	-	41+70	TYERS DRIVEWAY	271		7			10		0.2	0	
71+75	-	72+60	KOLB ROAD		28,143	778		518			18.0	12	
10+00	-	22+00	SPIEGELBERG ROAD		5,497	152		101			3.5	2	
354+00	-	385+00	STH 110		40,630	1123	373	385			27.3	20	
13+00	-	20+93	S.W. FRONTAGE ROAD @ STH 116		5,854	162	10	97			3.7	2	
374+19	-	386+64.5	NE RAMP @ STH 116		6,490	179		119			4.2	3	
362+48	-	376+70	SW RAMP @ STH 116		15,615	432	125	162			10	7	
362+70.2	-	372+88	SE RAMP @ STH 116		9,151	253	44	125			5.9	4	
			WETLAND MITIGATION SITE, SLOPED AREA			0	340						3.8
			WETLAND MITIGATION SITE, FLAT AREA			0				1315			
			UNDISTRIBUTED			3,945	1,011	1,685	33	335	93	62	1
			TOTAL:	3,492	567,248	19,726	5,056	8,423	163	1,673	464	308	4.8

REVISIONS ATTACHED TO BACK OF PLAN

*NOTE: SEEDING APPLICATION:
0.0184 LB/SY FOR SEEDING MIXTURE NO. 10 AND 30 0.0368 LB/SY FOR SEEDING MIXTURE NO. 40
0.009 LB/SY FOR SEEDING MIXTURE NO. 60 0.0277 LB/SY FOR TEMPORARY SEEDING
FERTILIZER APPLICATION IS 0.00064 CWT/SY
MULCH IS APPLIED AT A RATE OF 0.000426 TON/SY

MISCELLANEOUS QUANTITIES	HWY: STH 110	COUNTY: WINNEBAGO	STATE PROJECT NO: 6200-05-71	SHEET NO: 3X	E

FILE NAME: Q:\MISC.QUANTITIES\6200-05-71\ENGSHEET1.PPT ORIGINATOR: ORIG. DATE: REV. DATE:

TRAFFIC CONTROL SUMMARY

LOCATION	SERVICE PERIOD DAYS	64313 DRUMS QTY	64313 DRUMS DAYS	64318 BARRICADES TYPE III QTY	64318 BARRICADES TYPE III DAYS	64321 WARNING LIGHTS TYPE A QTY	64321 WARNING LIGHTS TYPE A DAYS	64326 SIGNS NUM	64326 SIGNS DAYS	REMARKS
STH 110 STA. 98+00-137+00	210	50	10500					1	210	
STH 110 STA. 83+00-93+00	210							5	1050	ROAD WORK SERIES AND END ROAD WORK
LAKE BUTTE DES MORTS DRIVE	210			3	630	4	840	1	210	
WESTWIND ROAD (EAST AND WEST OF LAKE BUTTE DES MORTS DRIVE)	210							4	840	ROAD WORK AHEAD
CTH T (EAST OF STH 110)	210							2	420	ROAD WORK AHEAD
RYF ROAD (WEST OF STH 110)	210							2	420	ROAD WORK AHEAD
CTH Y	210			10	2100	12	2520	4	840	ROAD CLOSED
EXISTING STH 110 (CTH Y)	210	20	4200					2	420	RIGHT SHOULDER CLOSED
REC TRAIL	210			2	420	4	840	3	630	TRAIL CLOSED
EXISTING STH 110 (NW FRONTAGE ROAD)	400			5	2000	6	2400	4	1600	ROAD WORK SERIES AND END ROAD WORK
LUEBKE ROAD (SOUTH OF BROOKS ROAD)	210			3	630	4	840	2	420	ROAD CLOSED
BROOKS ROAD (EAST AND WEST OF PROPOSED STH 110)	210			7	1470	13	2730	8	1680	ROAD CLOSED LOCAL TRAFFIC ONLY
SKELETON BRIDGE ROAD (NORTH AND SOUTH OF PROPOSED STH 110)	210			7	1470	13	2730	6	1260	ROAD CLOSED LOCAL TRAFFIC ONLY
KOLB ROAD (EAST OF PROPOSED STH 110)	210			7	1470	13	2730	6	1260	ROAD CLOSED LOCAL TRAFFIC ONLY
KOLB ROAD (STH 116 INTERSECTION)	210			5	1050	6	1260			ROAD CLOSED
SPIEGELBERG ROAD (WEST OF PROPOSED STH 110)	210			7	1470	13	2730	6	1260	ROAD CLOSED LOCAL TRAFFIC ONLY
EXISTING STH 110 (SW FRONTAGE ROAD)	400			5	2000	6	2400	4	1600	ROAD WORK SERIES AND END ROAD WORK
STH 116 (WEST OF STH 110)	210							2	420	ROAD WORK AHEAD
CTH GG (EAST OF STH 110)	210	34	7140					2	420	ROAD WORK AHEAD
STH 110 STA. 390+00-400+00	210							5	1050	ROAD WORK SERIES AND END ROAD WORK
TOTALS			21840		14710		22020		15800	

NON-METALLIC CONDUIT, SCHEDULE 40

CATEGORY 0100

OLD STH 110 PARKING LOT FROM	TO	65219 2-INCH L.F.
CB	PB1	5
PB1	PB2	60
PB2	PB3	100
TOTAL:		165

PULL BOXES, STEEL

CATEGORY 0100

LOCATION	65306 24 x 36 INCH EACH
OLD STH 110 PARKING LOT	3
TOTAL:	3

POLES

CATEGORY 0100

LOCATION	65705 POLES TYPE 5 EACH
OLD STH 110 PARKING LOT	2
TOTAL:	2

ELECTRICAL WIRE, LIGHTING, NO. 12

CATEGORY 0100

OLD STH 110 PARKING LOT FROM	TO	65566 FEEDER CONDUCTOR (BLACK) L.F.	65566 EQUIPMENT GROUNDING CONDUCTOR (GREEN) L.F.
CB	PB1	20	10
PB1	PB2	120	60
PB2	LB1	40	20
LB1	LUMINAIRES	180	90
LB1	PB2	40	20
PB2	PB3	220	110
PB3	LB2	40	20
LB2	LUMINAIRES	180	90
SUB-TOTALS:		840	420
TOTAL:		1,260	

LIGHTING SUMMARY

CATEGORY 0100

LOCATION	65927 LUMINAIRE ARMS SINGLE MEMBER 4-1/2 INCH CLAMP 8 FOOT EACH	65905 LUMINAIRES UTILITY 250 WATTS EACH
OLD STH 110 PARKING LOT	4	4
TOTALS:	4	4

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EROSION MAT TYPE II B

STATION - STATION	LOCATION	62832 DELIVERED S.Y.	62833 INSTALLED S.Y.	REMARKS
277+50 - 278+00	STH 110 SB, LT.	120	120	
279+50 - 281+50	STH 110 SB, LT.	670	670	
32+00 - 33+70	CTH Y, RT.	230	230	STAGGERED INSTALLATION
36+50 - 37+50	CTH Y, RT.	140	140	STAGGERED INSTALLATION
9+00 - 14+00	SKELETON BRIDGE ROAD, RT.	3,350	3,350	
11+50 - 14+00	SKELETON BRIDGE ROAD, LT.	1,400	1,400	
16+50 - 24+00	SKELETON BRIDGE ROAD, RT. & LT.	20,000	20,000	
16+00 - 18+00	SKELETON BRIDGE ROAD, RT.	270	270	
47+00 - 49+00	KOLB ROAD, RT.	270	270	
64+00 - 67+00	KOLB ROAD, RT. & LT.	800	800	
0+25 - 1+00	WETLAND MITIGATION SITE (MIT 1-7)	6,700	6,700	WEST SIDE - STAGGERED INSTALLATION
12+00 - 12+75	WETLAND MITIGATION SITE (MIT 1-7)	6,700	6,700	EAST SIDE
1+00 - 12+50	WETLAND MITIGATION SITE (MIT 1)	10,300	10,300	STAGGERED INSTALLATION
0+73 - 12+50	WETLAND MITIGATION SITE (MIT 7)	3,950	3,950	
372+00 - 375+00	SW RAMP AT STH 116, LT.	1,350	1,350	BACKSLOPE
	UNDISTRIBUTED	11,600	11,600	
	TOTAL:	67,850	67,850	

TURBIDITY BARRIERS

STATION	LOCATION	62860 TURBIDITY BARRIERS S.Y.
121+50	STH 110 SOUTH ABUTMENT	223
123+50	STH 110 NORTH ABUTMENT	223
	UNDISTRIBUTED	112
	TOTAL:	558

INLET PROTECTION, TYPE C

NO.	STATION	OFFSET	LOCATION	62872 EACH
43	212+30	17'RT.	LAKE BUTTE DES MORTS DRIVE	1
44	212+30	17'LT.	LAKE BUTTE DES MORTS DRIVE	1
46	216+12	17'RT.	LAKE BUTTE DES MORTS DRIVE	1
47	216+12	17'LT.	LAKE BUTTE DES MORTS DRIVE	1
49	220+50	17'RT.	LAKE BUTTE DES MORTS DRIVE	1
50	220+50	17'LT.	LAKE BUTTE DES MORTS DRIVE	1
52	225+00	17'RT.	LAKE BUTTE DES MORTS DRIVE	1
53	225+00	17'LT.	LAKE BUTTE DES MORTS DRIVE	1
55	237+00	17'RT.	LAKE BUTTE DES MORTS DRIVE	1
56	237+00	17'LT.	LAKE BUTTE DES MORTS DRIVE	1
58	240+90	17'RT.	LAKE BUTTE DES MORTS DRIVE	1
59	240+90	17'LT.	LAKE BUTTE DES MORTS DRIVE	1
61	244+80	17'RT.	LAKE BUTTE DES MORTS DRIVE	1
62	244+80	17'LT.	LAKE BUTTE DES MORTS DRIVE	1
64	248+70	17'RT.	LAKE BUTTE DES MORTS DRIVE	1
65	248+70	17'LT.	LAKE BUTTE DES MORTS DRIVE	1
67	252+60	17'RT.	LAKE BUTTE DES MORTS DRIVE	1
68	252+60	17'LT.	LAKE BUTTE DES MORTS DRIVE	1
70	256+24	17'RT.	LAKE BUTTE DES MORTS DRIVE	1
71	256+24	17'LT.	LAKE BUTTE DES MORTS DRIVE	1
73	259+00	17'RT.	LAKE BUTTE DES MORTS DRIVE	1
74	259+00	17'LT.	LAKE BUTTE DES MORTS DRIVE	1
76	261+50	17'RT.	LAKE BUTTE DES MORTS DRIVE	1
77	261+50	17'LT.	LAKE BUTTE DES MORTS DRIVE	1
79	265+40	17'RT.	LAKE BUTTE DES MORTS DRIVE	1
80	265+40	17'LT.	LAKE BUTTE DES MORTS DRIVE	1
82	269+30	17'RT.	LAKE BUTTE DES MORTS DRIVE	1
83	269+30	17'LT.	LAKE BUTTE DES MORTS DRIVE	1
85	273+20	17'RT.	LAKE BUTTE DES MORTS DRIVE	1
86	273+20	17'LT.	LAKE BUTTE DES MORTS DRIVE	1
			TOTAL:	30

SIGNS

CATEGORY 0100

LOCATION	63401 WOOD POST 4x4-INCH 10 FT EACH	63702 SIGNS, TYPE II REFLECTIVE S.F.	SIGN DIMENSIONS	REMARKS
OLD STH 110 PARKING LOT	3	4.5	12" x 18"	R7-8A
TOTAL:	3	4.5		

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PAVEMENT MARKING

STATION		STATION	LOCATION	64602 4-INCH EPOXY EDGELINE (WHITE) SOLID L.F.	64602 4-INCH EPOXY CENTERLINE (YELLOW) SOLID L.F.	64602 4-INCH EPOXY CENTERLINE (YELLOW) DASHED L.F.
199+87.441	-	281+89.35	LAKE BUTTE DES MORTS DR.	16,404	16,404	
30+00	-	41+50	CTH Y	2,300	1,150	288
			SUBTOTAL:	18,704	17,554	288
			TOTAL:		36,546	

CONSTRUCTION STAKING

STATION		STATION	LOCATION	65045 CONSTRUCTION STAKING, SUBGRADE L.F.	65050 CONSTRUCTION STAKING, CRUSHED AGGREGATE BASE COURSE L.F.	65055 CONTRUCTION STAKING, CURB AND GUTTER L.F.	65070 CONSTRUCTION STAKING, CONCRETE PAVEMENT L.F.
98+00	-	137+00	STH 110	7280			
146+00	-	385+00	STH 110	46860			
199+87.44	-	205+00	LAKE BUTTE DES MORTE DRIVE	513	513		
205+00	-	249+64.61	LAKE BUTTE DES MORTE DRIVE	4465	4465	4465	
241+00	-	277+50	LAKE BUTTE DES MORTE DRIVE				2650
252+27.17	-	279+20	LAKE BUTTE DES MORTE DRIVE	2693	2693	2693	
279+20	-	281+89.35	LAKE BUTTE DES MORTE DRIVE	270	270		
37+50	-	38+46.724	STEARNS ROAD	100			
26+00	-	38+00	CTH T	1200	1200		
282+52.372	-	291+00	N.W. FRONTAGE ROAD @ CTH T	848	848		
30+00	-	41+50	CTH Y	1150			
0+00	-	29+00	RECREATION TRAIL	2900			
20+10	-	22+66	OLD STH 110 PARKING LOT	256			
3+00	-	30+00	BROOKS ROAD	2447	2447		
3+00	-	26+00	SKELETON BRIDGE ROAD	2035	2035		
30+00	-	36+28	SHAMMY LANE	628			
30+00	-	35+34	SHAMMY LANE		534		
15+00	-	72+91.996	KOLB ROAD	5792	5792		
10+90	-	22+00	SPIEGELBERG ROAD	1110	1110		
13+00	-	21+25	S.W. FRONTAGE ROAD @ STH 116	825	830		
362+70	-	373+19.71	S.E. RAMP @ STH 116	1050			
362+47.902	-	376+08.238	S.W. RAMP @ STH 116	1360			
373+78.572	-	386+64.565	N.E. RAMP @ STH 116	1286			
8+90	-	9+80	LUEBKE ROAD CUL-DE-SAC	90	90		
35+38	-	36+28	SHAMMY LANE CUL-DE-SAC	90	90		
10+00	-	10+90	SPIEGELBERG ROAD CUL-DE-SAC	90	90		
			TOTAL:	85,338	23,007	7,158	2,650

PAVEMENT MARKING

CATEGORY 0100

STATION		STATION	LOCATION	64750 PAVEMENT MARKING, HANDICAP SYMBOL, EPOXY 24-INCH WHITE EACH	64786 PAVEMENT MARKING, PARKING STALL, EPOXY 4-INCH WHITE L.F.
20+30			OLD STH 110 PARKING LOT		
20+60			OLD STH 110 PARKING LOT	1	
20+75			OLD STH 110 PARKING LOT	1	
21+00			OLD STH 110 PARKING LOT	1	
20+30	-	22+45	OLD STH 110 PARKING LOT		2,477
			TOTAL:	3	2,477

BORROW PIT TRACKING PAD

LOCATION	90004A BORROW PIT TRACKING PAD

REVISIONS ATTACHED TO BACK OF PLAN

SAWING EXISTING PAVEMENT

STATION	LOCATION	66501 L.F.	REMARKS
199+87.44	LAKE BUTTE DES MORTS DRIVE	32	CONST. LIMITS
281+89.35	LAKE BUTTE DES MORTS DRIVE	32	CONST. LIMITS
282+52.37	NW FRONTAGE ROAD AT CTH T	30	CONST. LIMITS
	OLD CTH Y AT EXISTING STH 110	100	
30+00	CTH Y	24	CONST. LIMITS
41+50	CTH Y	20	CONST. LIMITS
3+00	BROOKS ROAD	24	CONST. LIMITS
30+00	BROOKS ROAD	24	CONST. LIMITS
25+50	SKELETON BRIDGE ROAD	20	ON KOLB ROAD
26+00	SKELETON BRIDGE ROAD	16	CONST. LIMITS
15+00	KOLB ROAD	20	CONST. LIMITS
10+00	SPIEGELBERG ROAD	20	DRIVEWAY
22+00	SPIEGELBERG ROAD	20	CONST. LIMITS
72+91.99	KOLB ROAD	75	CONST. LIMITS
9+00	SW FRONTAGE ROAD AT STH 116	30	CONST. LIMITS
21+25	SW FRONTAGE ROAD AT STH 116	30	CONST. LIMITS
	TOTAL:	517	

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EROSION CONTROL FILTER BAG SUMMARY

STATION	LOCATION	90005B EROSION CONTROL FILTER BAGS DELIVERED EACH	90005C EROSION CONTROL FILTER BAGS INSTALLED EACH	90005D EROSION CONTROL FILTER BAGS MAINTAINED EACH	REMARKS
188+00	STH 110 NB, RT.	6	6	6	CULVERT INLET
260+00	STH 110 NB, RT.	6	6	6	CULVERT INLET
269+00	STH 110 SB, LT.	15	15	15	
272+65	STH 110 NB, RT.	12	12	12	CULVERT INLETS
276+70	STH 110 SB, LT.	15	15	15	
281+80	STH 110 MEDIAN	15	15	15	
284+00	STH 110	45	45	45	3 DITCHES
286+30	STH 110 SB, LT.	6	6	6	CULVERT INLET
288+00	STH 110 NB, RT.	6	6	6	CULVERT INLET
296+00	STH 110	30	30	30	2 DITCHES
301+00	STH 110	30	30	30	2 DITCHES
306+00	STH 110	30	30	30	2 DITCHES
311+00	STH 110	30	30	30	2 DITCHES
344+00	STH 110 MEDIAN	15	15	15	
345+00	STH 110 SB, LT.	15	15	15	
353+00	STH 110	45	45	45	3 DITCHES
358+50	STH 110 SB, LT.	15	15	15	
363+00	STH 110 NB, RT.	12	12	12	CULVERT INLET
215+00	LAKE BUTTE DES MORTS DRIVE, LT.	30	30	30	
217+00	LAKE BUTTE DES MORTS DRIVE, LT.	15	15	15	
219+00	LAKE BUTTE DES MORTS DRIVE, LT.	15	15	15	
221+00	LAKE BUTTE DES MORTS DRIVE, LT.	15	15	15	
259+00	LAKE BUTTE DES MORTS DRIVE, RT.	4	4	4	CULVERT INLET
270+00	LAKE BUTTE DES MORTS DRIVE, RT.	18	18	18	CULVERT INLETS
26+00	CTH T	4	4	4	CULVERT INLET
283+00	NW FRONTAGE ROAD AT CTH T	4	4	4	CULVERT INLET
19+00	SKELETON BRIDGE ROAD, LT.	6	6	6	CULVERT INLET
64+50	KOLB ROAD	30	30	30	2 DITCHES
66+50	KOLB ROAD	30	30	30	2 DITCHES
364+50	SW RAMP AT STH 116, LT.	15	15	15	
371+00	SW RAMP AT STH 116, RT.	4	4	4	CULVERT INLET
372+50	SE RAMP AT STH 116, LT.	4	4	4	CULVERT INLET
374+50	NE RAMP AT STH 116, LT.	4	4	4	CULVERT INLET
87+00	CTH GG, LT.	4	4	4	CULVERT INLET
0+50	WETLAND MITIAGTION SITE (MIT 4)	400	400	400	BOTH SIDES OF WATERWAY
4+50	WETLAND MITIAGTION SITE (MIT 6)	200	200	200	ALONG WATERWAY
5+00	WETLAND MITIGATION SITE (MIT 7)	200	200	200	BOTH SIDES OF INLET
	UNDISTRIBUTED	339	339	339	
	TOTAL:	1,689	1,689	1,689	

WIER PLATE*

LOCATION	90005A WIER PLATE EACH
WETLAND MITIGATION SITE	1
TOTAL:	1

*REFER TO CONSTRUCTION DETAILS FOR
DIMENSIONS AND MATERIAL REQUIREMENTS.

STONE OR ROCK DITCH CHECK SUMMARY

STATION - STATION	LOCATION	90005F STONE OR ROCK DITCH CHECKS EACH	REMARKS
6+70 -	BROOKS ROAD	2	1 PER DITCH
12+20 -	BROOKS ROAD	2	1 PER DITCH
256+00 - 272+00	STH 110 NB, RT.	10	
256+00 - 272+00	STH 110 SB, LT.	12	
11+50 - 12+50	SPIEGELBERG ROAD	5	ALONG DITCH
281+00 -	STH 110 NB	1	1 PER DITCH
348+00 - 360+00	STH 110 NB, RT.	9	
348+00 - 360+00	STH 110 SB, LT.	10	
360+00 - 362+50	STH 110 SB, LT.	10	
375+00 -	NE RAMP AT STH 116, RT.	1	
376+50 -	NE RAMP AT STH 116	2	
378+50 -	NE RAMP AT STH 116, LT.	1	
2+00 -	WETLAND MITIGATION SITE (MIT 1)	1	
	UNDISTRIBUTED	17	
	TOTAL:	83	

CONCRETE BASES

CATEGORY 0100

LOCATION	90005G TYPE 5 SPECIAL EACH
OLD STH 110 PARKING LOT	2
TOTAL:	2

ALL ITEMS & QUANTITIES ON THIS SHEET ARE
FOR CATEGORY 0010, UNLESS OTHERWISE NOTED.

SAFETY FENCE

STATION	-	STATION	LOCATION	90637 SAFETY FENCE L.F.
249+60	-	254+50	STH 110 SB, LT.	490
256+70	-	259+40	STH 110 NB, RT.	270
10+30	-	15+00	BROOKS ROAD, RT.	470
21+60	-	29+80	BROOKS ROAD, RT.	820
267+80	-	271+30	STH 110 NB, RT.	350
270+60	-	272+60	STH 110 SB, LT.	200
00+00	-	5+30	SKELETON BRIDGE ROAD, LT.	530
316+00	-	320+70	STH 110 SB, LT.	470
48+50	-	53+00	CROSS ROAD, RT.	450
			TOTAL:	4,050

LIMESTONE SCREENING SUMMARY

CATEGORY 0100

STATION	-	STATION	LOCATION	90035B LIMESTONE SCREENING TON
			RECREATION TRAIL CONNECTION	30
0+00	-	29+00	RECREATION TRAIL	860
			TOTAL:	890

BASIN LYSIMETER

CATEGORY 0090

STATION	LOCATION	90005E BASIN LYSIMETER EACH
188+50	STH 110 SB, 40' LT.	1
	TOTAL	1

BASIN LYSIMETER ESTIMATED QUANTITIES**

6" DIA. SCH. 80 PVC PERFORATED PIPE	10 L.F.
6" DIA. SCH. 80 PVC UNPERFORATED PIPE	80 L.F.
GEOMEMBRANE	400 S.F.
GEOTEXTILE FABRIC, TYPE DF	500 S.F.
CONCRETE AGGREGATE (SIZE #2)	3 C.Y.
LOCKING CAP	1 EACH
PIPE BOOT	1 EACH

** ESTIMATED QUANTITIES TO CONSTRUCT ONE BASIN LYSIMETER (EACH) AT STA. 188+00 ARE FOR INFORMATION ONLY. ALL FITTINGS AND HARDWARE NECESSARY TO CONSTRUCT BASIN LYSIMETER ARE NOT INCLUDED IN ESTIMATED QUANTITIES BUT ARE INCLUDED IN BASIN LYSIMETER BID ITEM.

R/W PROJECT NUMBER	SHEET NUMBER	TOTAL SHEETS
6200-05-24		
FEDERAL PROJECT NUMBER	4.0	

PLAT OF RIGHT OF WAY REQUIRED FOR

USH 41 - CTH T

STH 110 WINNEBAGO

6200-05-71/4.1

CONVENTIONAL SIGNS AND ABBREVIATIONS

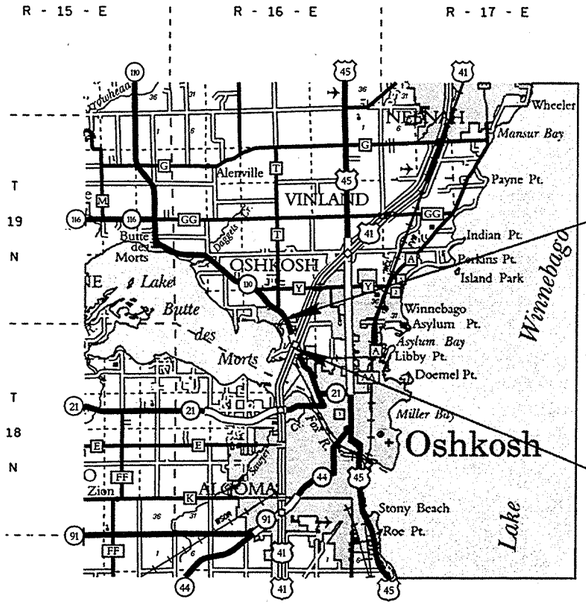
AC.	ACRES	PED	PEDESTAL
AC. REM.	ACRES REMAINING	O	R/W MONUMENT
A.P.	ACCESS POINT	P.L.	PROPERTY LINE
B.	BARN	P.L.E.	PERMANENT LIMITED EASEMENT
BLDG.	BUILDING	R.	RANGE
CO.	COMPANY	RD.	ROAD
CORP.	CORPORATION	R/W	RIGHT OF WAY
C.T.H.	COUNTY TRUNK HIGHWAY	S.	SHED
D.	DEED	S.T.H.	STATE TRUNK HIGHWAY
E.	EAST	T.	TOWN
ET. AL.	AND OTHERS	TEMP.	TEMPORARY
G.	GARAGE	T.I.	TEMPORARY INTEREST
GN	GRID NORTH	VOL.	VOLUME
H.	HOUSE	W.	WEST
INC.	INCORPORATED	WIS.	WISCONSIN
L.C.	LAND CONTRACT		
N	NORTH		

	COMPENSABLE	NON-COMPENSABLE
POWER POLE	■	□
TELEPHONE POLE	■	□
SIGN	■	□
TELEPHONE PEDESTAL	■	□

NO ACCESS (BY ACQUISITION)

NO ACCESS (BY STATUTORY AUTHORITY)

NO ACCESS (BY PREVIOUS PROJECT OR COVENANT)



END RELOCATION ORDER

PROJECT 6200-05-24
STATION 114+00
1328.73 FEET N 87°-13'-47" W OF THE N 1/4 CORNER OF SECTION 3, TOWNSHIP 18 NORTH, RANGE 16 EAST.
N = 757,065.937
E = 373,733.885

BEGIN RELOCATION ORDER

PROJECT 6200-05-24
STATION 70+10.40
1383.97 FEET S 6°-0'-49" E OF THE CENTER OF SECTION 3, TOWNSHIP 18 NORTH, RANGE 16 EAST.
N = 752,958.700
E = 375,282.802

LAYOUT
0 2 MI.
SCALE

TOTAL NET LENGTH OF CENTERLINE = 0.89 MI.

NOTES

COORDINATES AND BEARINGS ON THIS PLAT ARE ORIENTED TO THE WISCONSIN COORDINATE SYSTEM SOUTH ZONE (NAD 27). ALL PLAT COORDINATES ARE ENGLISH GROUND DATA & CAN BE CONVERTED TO ENGLISH GRID BY MULTIPLYING BY THE PROVIDED GRID FACTOR AND ADDING TWO MILLION TO THE CONVERTED EAST VALUE. ALL PLAT DISTANCES ARE GROUND LENGTHS AND MAY BE CONVERTED TO GRID LENGTHS BY MULTIPLYING THE DISTANCE BY THE PROVIDED GRID FACTOR.

RIGHT OF WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE US PUBLIC LAND SURVEY OR OTHER SURVEYS OF PUBLIC RECORD.

RIGHT OF WAY MONUMENTS ARE TYPE 2 AND ARE PLACED PRIOR TO OR AT THE TIME OF LAND TITLE TRANSFER.

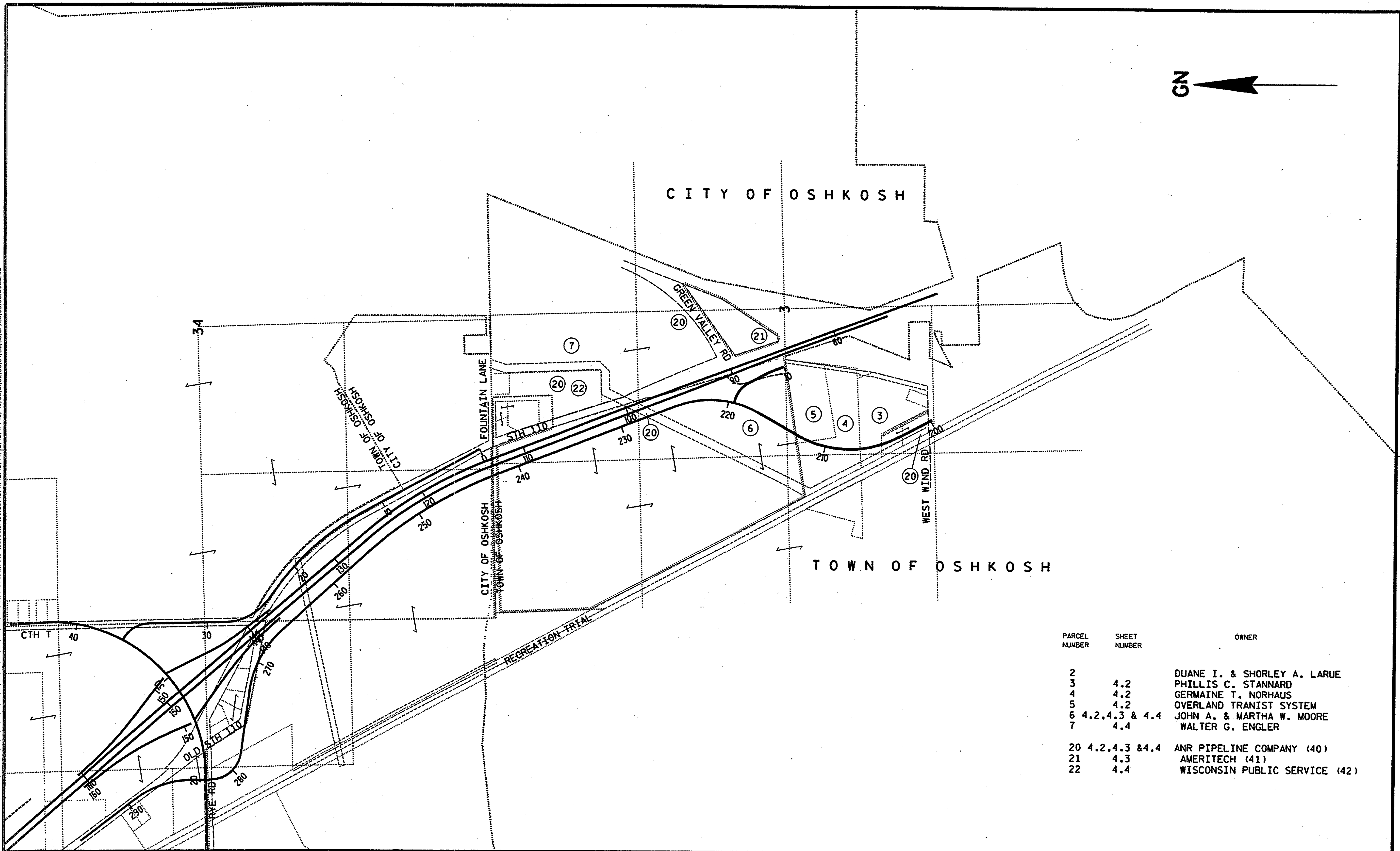
RIGHT OF WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE US PUBLIC LAND SURVEY OR OTHER SURVEYS OF PUBLIC RECORD.

REVISION DATE	STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION
12-21-00	APPROVED:
	DATE: _____ DISTRICT DIRECTOR

PLOT SCALE: 10560
PLOT NAME: 103
REV. DATE: 08-11-99
ORIGINATOR: DIST. 3

FILE NAME: D3_6200051104.dgn

WISDOT/CADDS SHEET 50

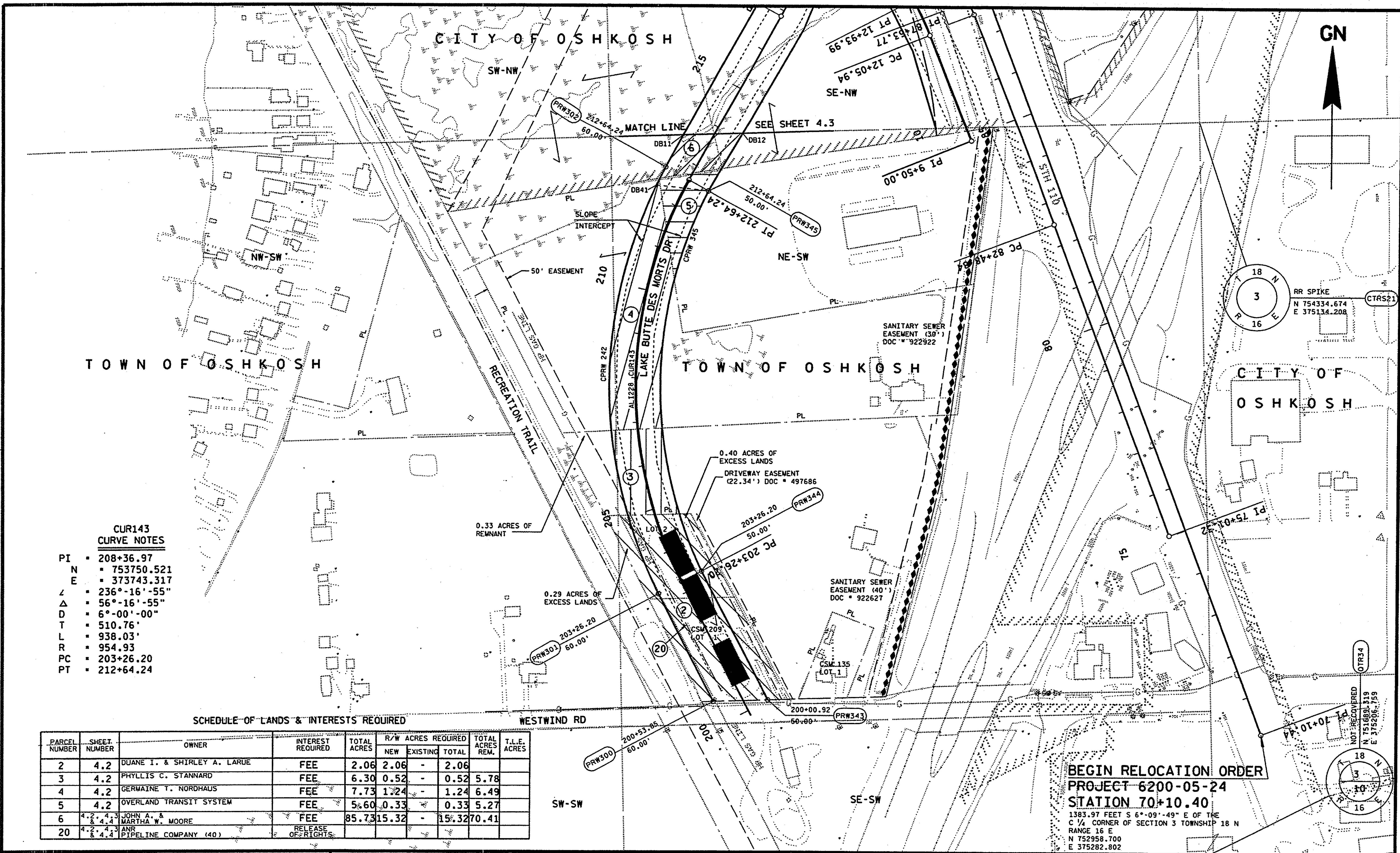


PARCEL NUMBER	SHEET NUMBER	OWNER
2		DUANE I. & SHORLEY A. LARUE
3	4.2	PHILLIS C. STANNARD
4	4.2	GERMAINE T. NORHAUS
5	4.2	OVERLAND TRANIST SYSTEM
6	4.2,4.3 & 4.4	JOHN A. & MARTHA W. MOORE
7	4.4	WALTER G. ENGLER
20	4.2,4.3 &4.4	ANR PIPELINE COMPANY (40)
21	4.3	AMERITECH (41)
22	4.4	WISCONSIN PUBLIC SERVICE (42)

REVISION DATE 12-21-00	DATE 8-11-99	NOT TO SCALE	HWY: STH 110	CONSTRUCTION PROJECT NUMBER 6200-05-71	PS&E SHEET NO: 4.2	
			COUNTY: WINNEBAGO	STATE R/W PROJECT NUMBER 6200-05-24	PLAT SHEET NO: 4.1	E

LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

FILE NAME : F:±d3_620005±4to0.dgn PLOT DATE: 27-SEP-2001 13:20 ORG DATE : PLOT NAME : Originator : Dist PLOT SCALE : 802.424242:1.000000 WISDOT/CADDS SHEET 70



GN
CITY OF OSHKOSH
TOWN OF OSHKOSH
TOWN OF OSHKOSH
CITY OF OSHKOSH
SW-NW
SE-NW
NW-SW
NE-SW
SW-SW
SE-SW
MATCH LINE
SEE SHEET 4.3
PRW302
212+64.24
60.00'
DB11
DB12
DB41
PT 12+93.99
PT 87+53.77
PC 12+05.94
PI 9+50.00
212+64.24
50.00'
PRW345
PT 212+64.24
SLOPE INTERCEPT
50' EASEMENT
LAKE BUTTE DES MORTS DR
CPRW 345
CPRW 242
ALI228
CUR143
RECREATION TRAIL
STH 110
PC 82+48.84
SANITARY SEWER EASEMENT (30') DOC # 922922
RR SPIKE
N 754334.674
E 375134.208
CTRS21
0.40 ACRES OF EXCESS LANDS
DRIVEWAY EASEMENT (22.34') DOC # 497686
PRW344
203+26.20
50.00'
PC 203+26.20
0.33 ACRES OF REMNANT
0.29 ACRES OF EXCESS LANDS
LOT 2
CSM 209 LOT 1
SANITARY SEWER EASEMENT (40') DOC # 922627
CSM 135 LOT 1
PRW301
203+26.20
60.00'
WESTWIND RD
200+00.92
60.00'
PRW343
PRW300
200+53.85
60.00'
PI 75+01.32
PI 70+10.44
OTR34
NOT RECOVERED
N 751689.319
E 375206.759
BEGIN RELOCATION ORDER
PROJECT 6200-05-24
STATION 70+10.40
1383.97 FEET S 6°-09'-49" E OF THE C ¼ CORNER OF SECTION 3 TOWNSHIP 18 N RANGE 16 E
N 752958.700
E 375282.802

CUR143
CURVE NOTES

PI = 208+36.97
N = 753750.521
E = 373743.317
∠ = 236°-16'-55"
Δ = 56°-16'-55"
D = 6°-00'-00"
T = 510.76'
L = 938.03'
R = 954.93
PC = 203+26.20
PT = 212+64.24

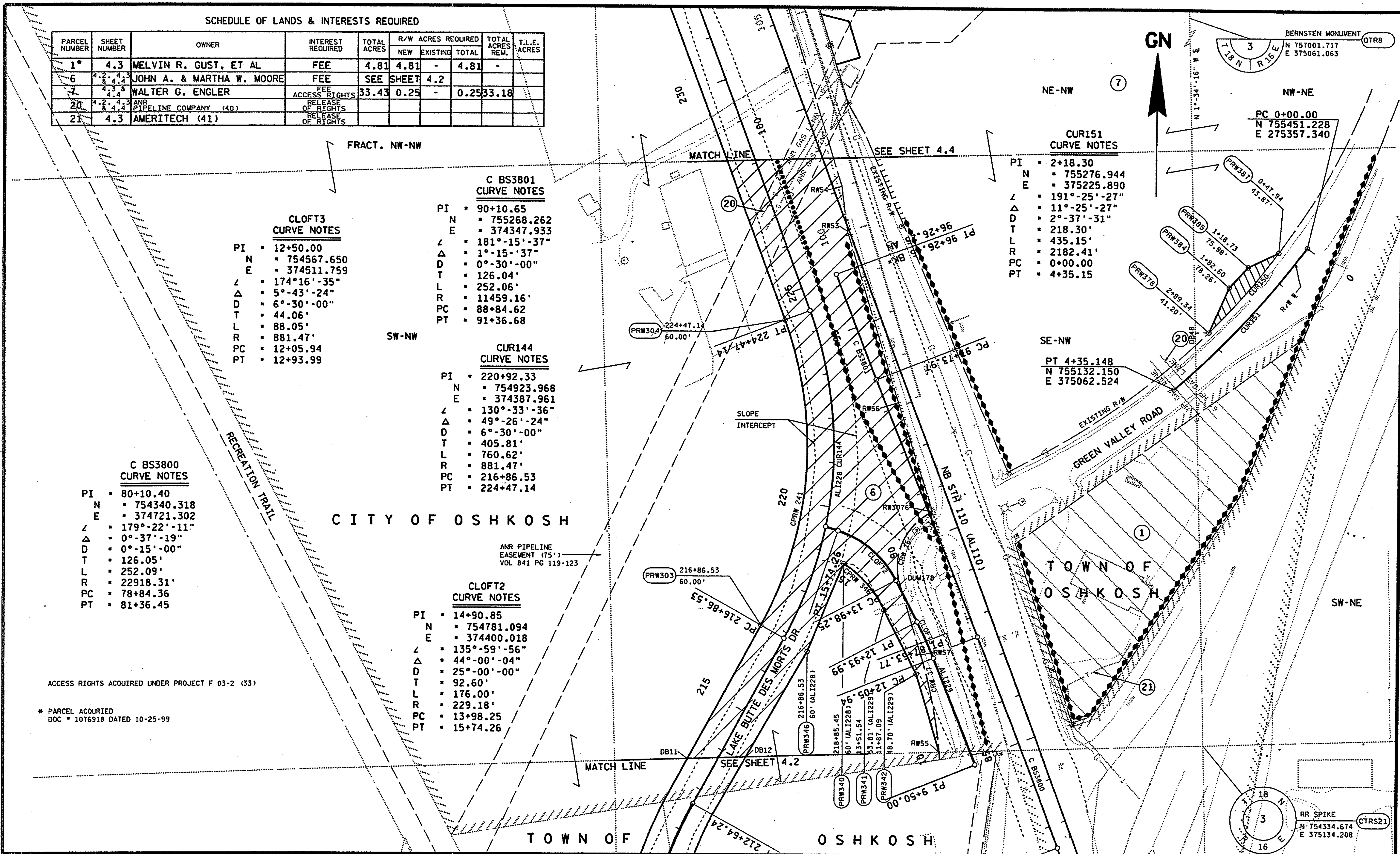
SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	SHEET NUMBER	OWNER	INTEREST REQUIRED	TOTAL ACRES	R/W ACRES REQUIRED			TOTAL ACRES REM.	T.L.E. ACRES
					NEW	EXISTING	TOTAL		
2	4.2	DUANE I. & SHIRLEY A. LARUE	FEE	2.06	2.06	-	2.06		
3	4.2	PHYLLIS C. STANNARD	FEE	6.30	0.52	-	0.52	5.78	
4	4.2	GERMAINE T. NORDHAUS	FEE	7.73	1.24	-	1.24	6.49	
5	4.2	OVERLAND TRANSIT SYSTEM	FEE	5.60	0.33		0.33	5.27	
6	4.2, 4.3 & 4.4	JOHN A. & MARTHA W. MOORE	FEE	85.73	15.32	-	15.32	70.41	
20	4.2, 4.3 & 4.4	ANR PIPELINE COMPANY (40)	RELEASE OF RIGHTS						

REVISION DATE 12-21-00	DATE: 8-11-99	SCALE, FEET 0 100 200	HWY: STH 110	CONSTRUCTION PROJECT NUMBER: 6200-05-71	PS&E SHEET NO: 4.3
	GRID FACTOR: 0.999997		COUNTY: WINNEBAGO	STATE R/W PROJECT NUMBER: 6200-05-24	PLAT SHEET NO: 4.2 E

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	SHEET NUMBER	OWNER	INTEREST REQUIRED	TOTAL ACRES	R/W ACRES REQUIRED NEW	R/W ACRES REQUIRED EXISTING	R/W ACRES REQUIRED TOTAL	TOTAL ACRES REM.	T.L.E. ACRES
1*	4.3	MELVIN R. GUST, ET AL	FEE	4.81	4.81	-	4.81	-	
6	4.2, 4.3 & 4.4	JOHN A. & MARTHA W. MOORE	FEE	SEE	SHEET	4.2			
7	4.3 & 4.4	WALTER G. ENGLER	FEE ACCESS RIGHTS	33.43	0.25	-	0.25	33.18	
20	4.2, 4.3 & 4.4	ANR PIPELINE COMPANY (40)	RELEASE OF RIGHTS						
21	4.3	AMERITECH (41)	RELEASE OF RIGHTS						



FRACT. NW-NW
MATCH LINE
SEE SHEET 4.4
NE-NW
7
GN
N 1°-34'-16" W
BERNSTEN MONUMENT
OTR8
N 757001.717
E 375061.063
T 18 N R 16 E 3
NW-NE
PC 0+00.00
N 755451.228
E 275357.340
CLOFT3 CURVE NOTES
PI = 12+50.00
N = 754567.650
E = 374511.759
∠ = 174°16'-35"
Δ = 5°-43'-24"
D = 6°-30'-00"
T = 44.06'
L = 88.05'
R = 881.47'
PC = 12+05.94
PT = 12+93.99
C BS3801 CURVE NOTES
PI = 90+10.65
N = 755268.262
E = 374347.933
∠ = 181°-15'-37"
Δ = 1°-15-'37"
D = 0°-30'-00"
T = 126.04'
L = 252.06'
R = 11459.16'
PC = 88+84.62
PT = 91+36.68
CUR151 CURVE NOTES
PI = 2+18.30
N = 755276.944
E = 375225.890
∠ = 191°-25'-27"
Δ = 11°-25'-27"
D = 2°-37'-31"
T = 218.30'
L = 435.15'
R = 2182.41'
PC = 0+00.00
PT = 4+35.15
CUR144 CURVE NOTES
PI = 220+92.33
N = 754923.968
E = 374387.961
∠ = 130°-33'-36"
Δ = 49°-26'-24"
D = 6°-30'-00"
T = 405.81'
L = 760.62'
R = 881.47'
PC = 216+86.53
PT = 224+47.14
C BS3800 CURVE NOTES
PI = 80+10.40
N = 754340.318
E = 374721.302
∠ = 179°-22'-11"
Δ = 0°-37'-19"
D = 0°-15'-00"
T = 126.05'
L = 252.09'
R = 22918.31'
PC = 78+84.36
PT = 81+36.45
CLOFT2 CURVE NOTES
PI = 14+90.85
N = 754781.094
E = 374400.018
∠ = 135°-59'-56"
Δ = 44°-00'-04"
D = 25°-00'-00"
T = 92.60'
L = 176.00'
R = 229.18'
PC = 13+98.25
PT = 15+74.26
SW-NW
SE-NW
PT 4+35.148
N 755132.150
E 375062.524
PRW387 0+47.94 43.87'
PRW385 1+18.73 75.98'
PRW384 1+82.60 78.26'
PRW378 2+89.34 41.20'
CUR150
CUR151
R/W
DB48
20
EXISTING R/W
GREEN VALLEY ROAD
PT 96+26.96
BK. 96+26. AH.
PC 93+73.97
PT 224+47.14
PRW304 224+47.14 60.00'
RW54
RW53
RW56
RW3076
RW57
RW55
SLOPE INTERCEPT
ALI228 CUR144
C BS3801
NB STH 110 (ALI10)
CITY OF OSHKOSH
TOWN OF OSHKOSH
RECREATION TRAIL
ANR PIPELINE EASEMENT (75') VOL 841 PG 119-123
PRW303 216+86.53 60.00'
PC 216+86.53
LAKE BUTTE DES MORTS DR
PI 15+74.26
PC 13+98.25
CLOFT2
CPRW 346
DUM178
PT 12+93.99
PT 17+53.77
PC 12+05.94
CRW 17
ALI229
PRW346 216+86.53 60' (ALI228)
218+85.45 60' (ALI228)
13+51.54 53.81' (ALI229)
11+87.09 48.70' (ALI229)
PRW340
PRW341
PRW342
PI 9+50.00
DB11
DB12
MATCH LINE
SEE SHEET 4.2
212+64.24
C BS3800
CPRW 241
230
225
220
215
1
6
21
SW-NE
RR SPIKE
CTRS21
N 754334.674
E 375134.208
T 18 N R 16 E 3

ACCESS RIGHTS ACQUIRED UNDER PROJECT F 03-2 (33)

* PARCEL ACQUIRED
DOC # 1076918 DATED 10-25-99

REVISION DATE 12-21-00	DATE: 8-11-99	SCALE, FEET 0 100 200	HWY: STH 110	CONSTRUCTION PROJECT NUMBER: 6200-05-71	PS&E SHEET NO: 4.4
	GRID FACTOR: 0.999997		COUNTY: WINNEBAGO	STATE R/W PROJECT NUMBER: 6200-05-24	PLAT SHEET NO: 4.3 E

FILE NAME : F:±d3_620005±d3407.dgn PLOT DATE: 27-SEP-2001 13:20 ORG DATE : PLOT NAME : 03407-D.I Originator : DISTRICT 3 -- JD PLOT SCALE : 200.606061:1.000000

CITY OF OSHKOSH

TOWN OF OSHKOSH

T 19 N R 16 E 33 34 — BERNSTEN MONUMENT SEC763 N 756926.273 E 372336.732

T 18 N R 16 E 4 3 — BERNSTEN MONUMENT SEC7 N 756927.537 E 372382.254

N 88°-24'-33" E

PC 113+45.54

PRW244

PRW308 241+68.69 60.00' (ALI 228)

PC 241+68.69

LAKE BUTTE DES MORTS DR (ALI 228)

245

115

240

235

230

225

FRACT NW-NW

EXISTING R/W ACQUIRED UNDER PROJECT T037-1(5)

CITY OF OSHKOSH

PRW306 237+00.00 60.00'

SLOPE INTERCEPT

NB STH 110 (ALI 10)

STERN'S ROAD

EXISTING R/W

ALI 229

6

DB40

DB39

DB10

RW79

RW58

RW3163

RW77

PL

FOUNTAIN AVE N 88°-24'-33" E

QTR164 BERNSTEN MONUMENT T 19 N R 16 E 34 N 757000.805 E 375020.403

N 88°-42'-52" E

16" GAS LINE

12" GAS LINE

OTR8 BERNSTEN MONUMENT T 18 N R 16 E 3 N 757001.717 E 375061.063

END RELOCATION ORDER
PROJECT 6200-05-24
STATION 114+00
1328.73 FEET N 87°-13'-47" W OF THE N 1/4 CORNER OF SECTION 3 TOWNSHIP 18 N RANGE 16 E
N 757055.937
E 373933.885

FRACT. NE-NW

CITY OF OSHKOSH

GN

NW-NE

ANR PIPELINE EASEMENT (75')
VOL 841 PG 119-123
DOC # 241718

101+85.61 108.58' (ALI10) PRW357

PL

101+50.01 161.58' (ALI10) PRW358

7 20 22

100+65.16 156.59' (ALI10) PRW356

100+68.39 101.26' (ALI10) PRW360

GATE VALVE PERMIT
VOL 624 PG 268 DOC # 170507

PRW305 231+00.00 60.00'

MATCH LINE SEE SHEET 4.3

SW-NE

PT 96+26.45 BK
96+26.25 AH

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	SHEET NUMBER	OWNER	INTEREST REQUIRED	TOTAL ACRES	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TOTAL ACRES REM.	T.L.E. ACRES
6	4.2, 4.3 & 4.4	JOHN A. & MARTHA W. MOORE	SEE SHEET		4.2				
7	4.3 & 4.4	WALTER G. ENGLER	SEE SHEET		4.3				
20	4.2, 4.3 & 4.4	ANR PIPELINE COMPANY (40)	RELEASE OF RIGHTS						
22	4.4	WISCONSIN PUBLIC SERVICE (42)	RELEASE OF RIGHTS						

REVISION DATE 12-21-00	DATE: 8-11-99	SCALE, FEET 0 100 200	HWY: STH 110	CONSTRUCTION PROJECT NUMBER: 6200-05-71	PS&E SHEET NO: 4.5
	GRID FACTOR: 0.999997		COUNTY: WINNEBAGO	STATE R/W PROJECT NUMBER: 6200-05-24	PLAT SHEET NO: 4.4 E

FILE NAME : F:±d3_620005±d3408.dgn PLOT DATE: 27-SEP-2001 13:20 ORG DATE : PLOT NAME : Originator : DISTRICT 3 -- JD PLOT SCALE : 200.606061:1.000000 WISDOT/CADDS SHEET 75

LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

Parcels 2-5 (DB1)

	DISTANCE FEET	BEARING	GROUND COORDINATES		
CTRS21			N	754334.674 E	375134.208
	1026.617'	S 88°14'54" W			
DB12			N	754303.295 E	374108.071
	149.384'	S 30°08'21" W			
PRW345•PC CPRW345			N	754174.107 E	374033.066
ARC • 884.93'					
L.C. • 853.61'					
L.C.B. • S 0°38'30" W					
R. • 954.93'					
PRW344•PT CPR345			N	753320.553 E	374023.507
	325.281'	S 27°29'58" E			
PRW343			N	753032.024 E	374173.701
	122.073'	S 88°11'50" W			
PRW300			N	753028.184 E	374051.689
	272.349'	N 27°29'58" W			
PRW301•PC CPRW242			N	753269.762 E	373925.935
ARC • 996.97'					
L.C. • 957.37'					
L.C.B. • N 0°38'30" E					
R. • 1014.930'					
PRW302•PT CPRW242			N	754227.070 E	373936.656
	82.373'	N 28°46'57" E			
DB11			N	754299.266 E	373976.317
	131.816'	N 88°14'54" E			
DB12			N	754303.295 E	374108.072

Parcel 6 (DB3)

	DISTANCE FEET	BEARING	GROUND COORDINATES		
OTR8			N	757001.717 E	375061.063
	1188.427'	S 88°25'11" W			
DB40•PC CRW1			N	756968.941 E	373873.088
ARC • 175.038'					
L.C. • 174.951'					
L.C.B. • S 20°27'56" E					
R. • 1604.020''					
RW3163•PT CRW1			N	756805.032 E	373934.259
	1280.425'	S 17°15'52" E			
RW54			N	755582.296 E	374314.266
	101.435'	S 7°29'54" E			
RW53			N	755481.729 E	374327.503
	400.911'	S 17°08'47" E			
RW56			N	755098.637 E	374445.697
	255.935'	S 17°34'18" E			
RW3076•PC RW16			N	754854.644 E	374522.964
ARC • 195.527'					
L.C. • 179.754'					
L.C.B • S 23°07'46" W					
R. • 138.790'					
DUW178•PT RW16			N	754689.338 E	374452.354
	162.520'	S 16°58'06" E			
RW57•PC CRW2			N	754533.894 E	374499.784
ARC • 221.908'					
L.C. • 221.536'					
L.C.B • S 11°13'12" E					
R. • 1105.920'					
RW55•PT CRW2			N	754316.592 E	374542.890
	182.345'	N 16°50'42" W			
PRW342			N	754491.113 E	374490.049
	159.354'	N 27°18'02" W			
PRW341•PC CPRW346			N	754632.717 E	374416.960
ARC • 139.311'					
L.C. • 137.503'					
L.C.B. • N 41°36'02" W					
R. • 249.112'					
PRW340•PT CPRW346			N	754735.540 E	374325.667
	212.012'	S 22°19'03" W			
PRW346			N	754539.409 E	374245.158
	422.408'	S 30°08'21" W			
PRW345			N	754174.107 E	374033.066
	118.090'	N 83°52'13" W			
DB41•PC CPRW245			N	754186.716 E	373915.650
ARC • 45.498'					
L.C. • 45.494'					
L.C.B. • N 27°29'54" E					
R. • 1014.930'					
PRW302•PT CPRW245			N	754227.070 E	373936.656
	422.290'	N 28°46'57" E			
PRW303•PC CPRW241			N	754597.188 E	374139.983
ARC • 708.843'					
L.C. • 687.056'					
L.C.B. • N 4°03'45" E					
R. • 821.474'					
PRW304•PT CPRW241			N	755282.517 E	374188.658
	652.858'	N 20°39'27" W			
PRW305			N	755893.400 E	373958.343
	600.000'	N 20°39'27" W			
PRW306			N	756454.823 E	373746.674
	468.687'	N 20°39'27" W			
PRW308•PC CPRW244			N	756893.376 E	373581.331
ARC • 71.734'					
L.C. • 71.733'					
L.C.B. • N 21°31'21" W					
R. • 3879.720'					
DB39•PT CPRW244			N	756960.107 E	373555.014
	318.196'	N 88°24'33" E			
DB40			N	756968.941 E	373873.088

Parcel 7 (DB2)

	DISTANCE FEET	Bearing	GROUND COORDINATES		
OTR8			N	757001.717 E	375061.063
	1115.795'	S 88°25'13" W			
DB10			N	756970.957 E	373945.692
	34.721'	S 19°28'56" E			
RW79			N	756938.224 E	373957.272
	110.787'	S 19°28'60" E			
RW58			N	756833.781 E	373994.223
	390.113'	S 17°22'03" E			
RW77			N	756461.454 E	374110.672
	516.742'	S 17°17'24" E			
PRW357			N	755968.062 E	374264.251
	63.845'	S 76°46'14" E			
PRW358			N	755953.451 E	374326.402
	85.000'	S 17°17'24" E			
PRW356			N	755872.292 E	374351.664
	55.000'	S 72°42'37" W			
PRW360			N	755855.946 E	374299.149
	117.422'	N 17°17'23" W			
PRW357			N	755968.062 E	374264.251

6200-05-24
SW-NE SEC. 3
ENV2

PARCEL 7 Plan Sheet 4.3

Point	Distance	Bearing	Ground Coordinates		
CTRS21			N	754334.674 E	375134.208
	926.223'	N 1°34'16" W			
DB48			N	755260.549 E	375108.816
	30.198'	N 88°25'45" E			
PRW378			N	755261.377 E	375139.002
	110.221'	N 23°34'45" E			
PRW384			N	755362.395 E	375183.092
	61.654'	N 43°06'12" E			
PRW385			N	755407.410 E	375225.221
	75.965'	N 64°12'56" E			
TRANSPOSED CURVE CUR150					
PC•PRW387			N	755440.454 E	375293.623
L.C. • 236.593'					
L.C.B. • S 40°48'30" W					
Radius • 1592.020'					
ARC • 236.811'					
PT•PRW378			N	755261.377 E	375139.002

REVISION DATE 12-21-00	DATE 8-11-99	NOT TO SCALE	HWY: STH 110	CONSTRUCTION PROJECT NUMBER 6200-05-71	PS&E SHEET NO: 4.6	
			COUNTY: WINNEBAGO	STATE R/W PROJECT NUMBER 6200-05-24	PS&E SHEET NO: 4.5	E

R/W PROJECT NUMBER	SHEET NUMBER	TOTAL SHEETS
6200-05-21		
FEDERAL PROJECT NUMBER	4.0	

PLAT OF RIGHT OF WAY REQUIRED FOR

CTH T - LASLEY POINT ROAD

STH 110 WINNEBAGO

6200-05-71 / 4.7

CONVENTIONAL SIGNS AND ABBREVIATIONS

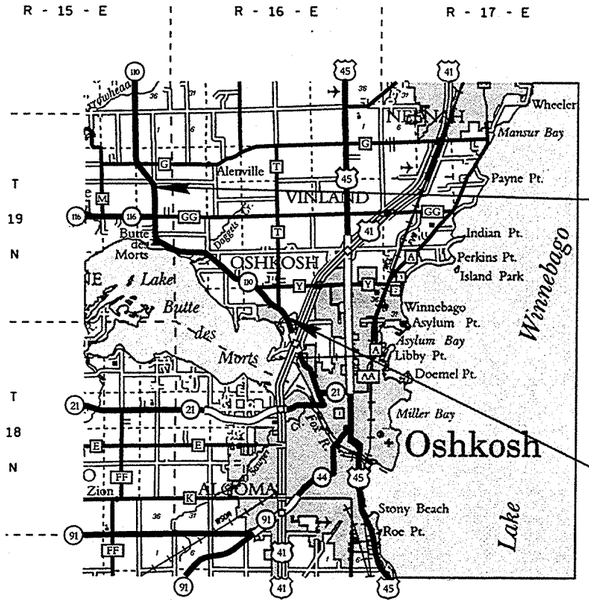
AC.	ACRES	PED	PEDESTAL
AC. REM.	ACRES REMAINING	O	R/W MONUMENT
A.P.	ACCESS POINT	P.L.	PROPERTY LINE
B.	BARN	P.L.E.	PERMANENT LIMITED EASEMENT
BLDG.	BUILDING	R.	RANGE
CO.	COMPANY	RD.	ROAD
CORP.	CORPORATION	R/W	RIGHT OF WAY
C.T.H.	COUNTY TRUNK HIGHWAY	S.	SHED
D.	DEED	S.T.H.	STATE TRUNK HIGHWAY
E.	EAST	T.	TOWN
ET. AL.	AND OTHERS	TEMP.	TEMPORARY
G.	GARAGE	T.I.	TEMPORARY INTEREST
GN	GRID NORTH	VOL.	VOLUME
H.	HOUSE	W.	WEST
INC.	INCORPORATED	WIS.	WISCONSIN
L.C.	LAND CONTRACT		
N	NORTH		

	COMPENSABLE	NON-COMPENSABLE
POWER POLE	■	□
TELEPHONE POLE	■	□
SIGN	▶	▷
TELEPHONE PEDESTAL	■	□

NO ACCESS (BY ACQUISITION)

NO ACCESS (BY STATUTORY AUTHORITY)

NO ACCESS (BY PREVIOUS PROJECT OR COVENANT)



END RELOCATION ORDER

PROJECT 6200-05-21
STATION 405+00
425.48 FEET N 3°-45'-05" W OF THE CENTER OF SECTION 13, TOWNSHIP 19 NORTH, RANGE 15 EAST.
N = 775,719.299
E = 353,570.533

BEGIN RELOCATION ORDER

PROJECT 6200-05-21
STATION 112+50
1276.17 FEET S 86°-35'-09" W OF THE NORTH 1/4 CORNER OF SECTION 3, TOWNSHIP 18 NORTH, RANGE 16 EAST.
N = 756,925.159
E = 373,787.155

LAYOUT
0 2 MI.
SCALE

TOTAL NET LENGTH OF CENTERLINE = 5.54 MI.

NOTES

COORDINATES AND BEARINGS ON THIS PLAT ARE ORIENTED TO THE WISCONSIN COORDINATE SYSTEM SOUTH ZONE (NAD 27). ALL PLAT COORDINATES ARE ENGLISH GROUND DATA & CAN BE CONVERTED TO ENGLISH GRID BY MULTIPLYING BY THE PROVIDED GRID FACTOR AND ADDING TWO MILLION TO THE CONVERTED EAST VALUE. ALL PLAT DISTANCES ARE GROUND LENGTHS AND MAY BE CONVERTED TO GRID LENGTHS BY MULTIPLYING THE DISTANCE BY THE PROVIDED GRID FACTOR.

RIGHT OF WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE US PUBLIC LAND SURVEY OR OTHER SURVEYS OF PUBLIC RECORD.

RIGHT OF WAY MONUMENTS ARE TYPE 2 AND ARE PLACED PRIOR TO OR AT THE TIME OF LAND TITLE TRANSFER.

RIGHT OF WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE US PUBLIC LAND SURVEY OR OTHER SURVEYS OF PUBLIC RECORD.

REVISION DATE
02-03-99
07-23-99
09-11-01

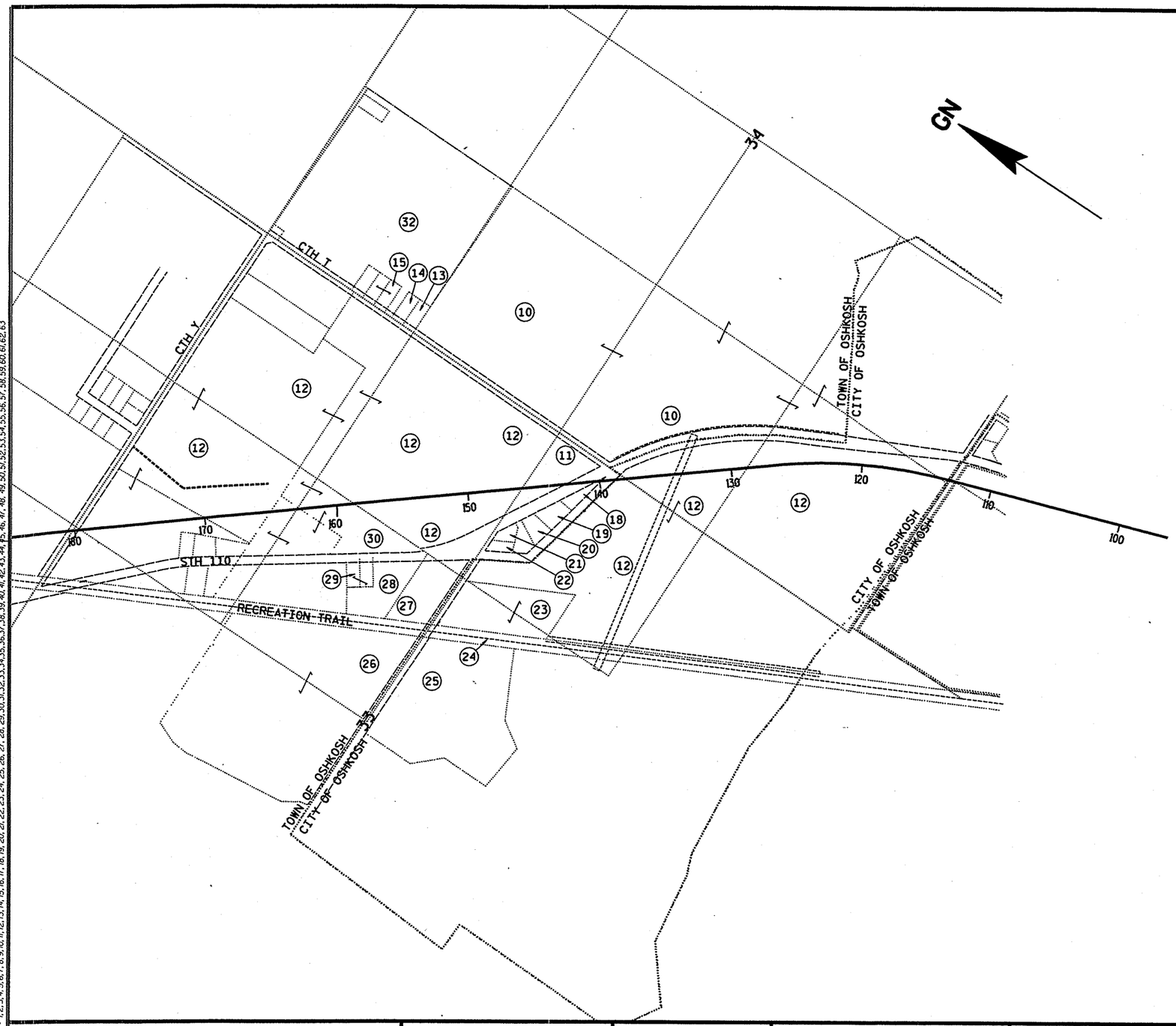
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED:

DATE: _____ _____
DISTRICT DIRECTOR

WISDOT/CADDS SHEET 50

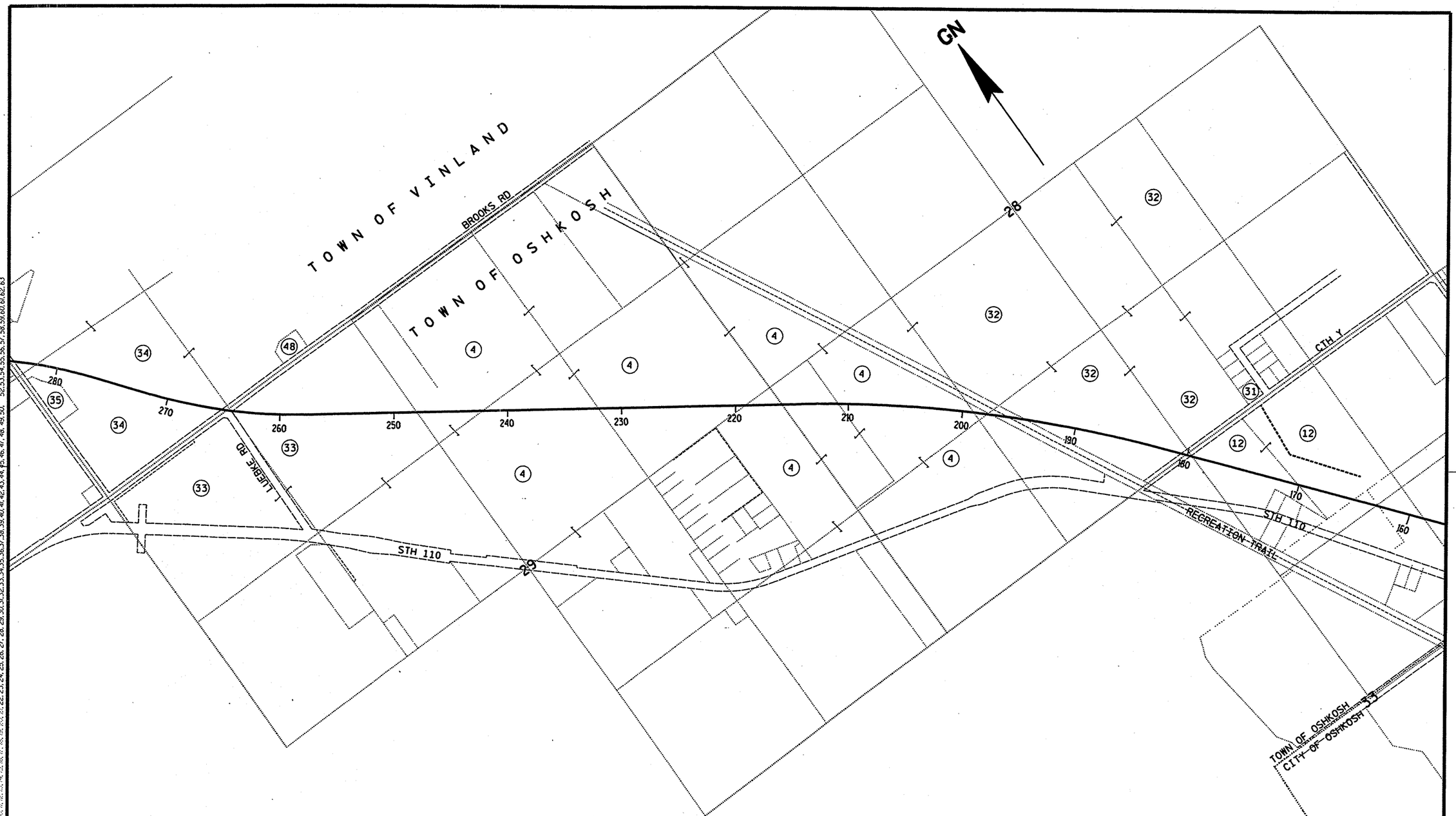
PLOT SCALE: 10560
PLOT NAME: 103
REV. DATE: 8-3-99
ORIGINATOR: DIST. 3
FILE NAME: D3_6200505103.dgn



PARCEL NUMBER	SHEET NUMBER	OWNER
1	4.16	GEORGE J. KONTOS
*2		RONALD D. MILLER HAS BEEN REMOVED AND PLACED ON 6200-05-23
3.	4.16-4.18&4.20	GEORGE H. DODD
4	4.8-4.11	ESTATE OF ELDOR SCHULTZ
5	4.16	RAYMOND F. & WENDY L. SEBERO
6	4.16	CLARENCE W. & PHYLLIS M. MEINEN
7		
8		
9		
10	4.5&4.6	PAMELA A. & TIMOTHY P. LESNICK
11	4.5	CLARENCE L. WRIGHT
12	4.4-4.7&4.19	GRUNDY ENTERPRISES, INC. (L.C.)
13	4.19	MARGARET L. QUAST
14	4.19	LINDA S. GRAF
15	4.19	HENRY G. BARGENQUAST
16		
17		
18	4.5	HELEN HEWITT, ETAL
19	4.5	JOHN A. RYF
20	4.5	RICHARD G. MAKI JR. & LORI M. PIERQUET
21	4.5	DOROTHY E. STIEG
22	4.5	ROBERT J. & BARBARA ANN WINKLER
23	4.5	CASTLE-PIERCE PRINTING CO.
24	4.6,4.8&4.9	WINNEBAGO COUNTY (REC. TRAIL)
25	4.6	COMMUNITY CHURCH, INC.
26	4.6	OSHKOSH AREA SCHOOL DISTRICT
27	4.6	MARY LADWIG
28	4.6	NORMAN & NANCY REICHENBERGER
29	4.6	RICHARD L. & JAQUELINE GERLACH
30	4.6	DAVID W. & KAREN K. JACOBSON
31	4.8	ROBERT E. KRUMENAUER
32	4.8,4.9&4.19	GRUNDY FARMS, INC.
33	4.11&4.12	DENNIS D. & DOROTHY M. EWALD (L.C.)
34	4.11-4.13	JAY E. SCHMOKER & JERROLD SCHMOKER
35	4.12	GERALD N. & JOANNE L. FORSETH
36	4.12-4.14	WILLIAM H. OVERTON
37	4.12	HAROLD M. HANSON
38	4.13	THOMAS B. & SUSAN L. KERR
39	4.14	NICHOLAS M. & JEAN A. KOLB
40	4.20	KURT R. & MICHELLE M. THEIN
41		
42	4.15	ROBERT W. SPIEGELBERG
43	4.16	LAKEWIND CORPORATION
44	4.17	DAVID A. & SANDRA J. PASCARELLA
45	4.20	DORIS EASTMAN & JANET ZIENTARA
46	4.14	WINNECONNE-BUTTE DES MORTS JOINT COMMISSION
47	4.20	CHARLES M. FARREY
48	4.11	JERROLD J. & CAROL A. SCHMOKER
49	4.13	PATRICK & JACQUELINE TYERS
50	4.13	HOWARD BECK
60	4.5	CITY OF OSHKOSH PUBLIC WORKS (45)
61	4.5	WISCONSIN PUBLIC SERVICE (GAS) (46)
62	4.5,4.7-4.9, 4.16,4.17&4.20	AMERICAN TRANSMISSION CORP (47)
63	4.6,4.8,4.12, 4.16 & 4.17	AMERITECH (48)
64	4.6 & 4.14	WISCONSIN PUBLIC SERVICE (DISTRIBUTION) (49)

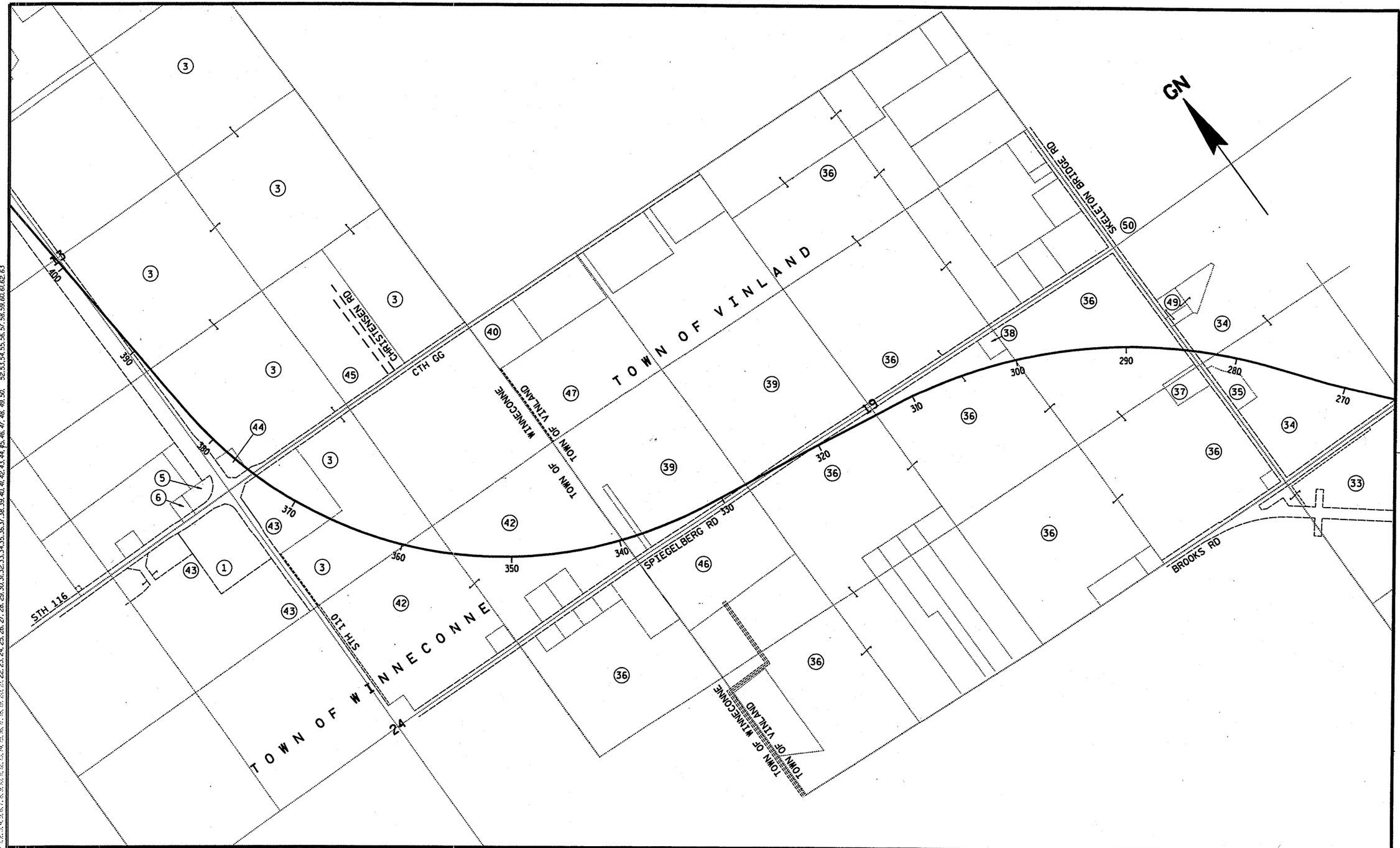
REVISION DATE	DATE	NOT TO SCALE	HWY: STH 110	CONSTRUCTION PROJECT NUMBER 6200-05-71	PS&E SHEET NO: 4.8	
02-03-99 07-23-99 NC 09-11-01 NC	11-17-95		COUNTY: WINNEBAGO	STATE R/W PROJECT NUMBER 6200-05-21	PLAT SHEET NO: 4.1	E

LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50, 52,53,54,55,56,57,58,59,60,61,62,63



REVISION DATE	DATE 11-17-95	NOT TO SCALE	HWY: STH 110	CONSTRUCTION PROJECT NUMBER 6200-05-71	PS&E SHEET NO: 4.9	
02-03-99 07-23-99 NC 09-11-01 NC			COUNTY: WINNEBAGO	STATE R/W PROJECT NUMBER 6200-05-21	PLAT SHEET NO: 4.2	E

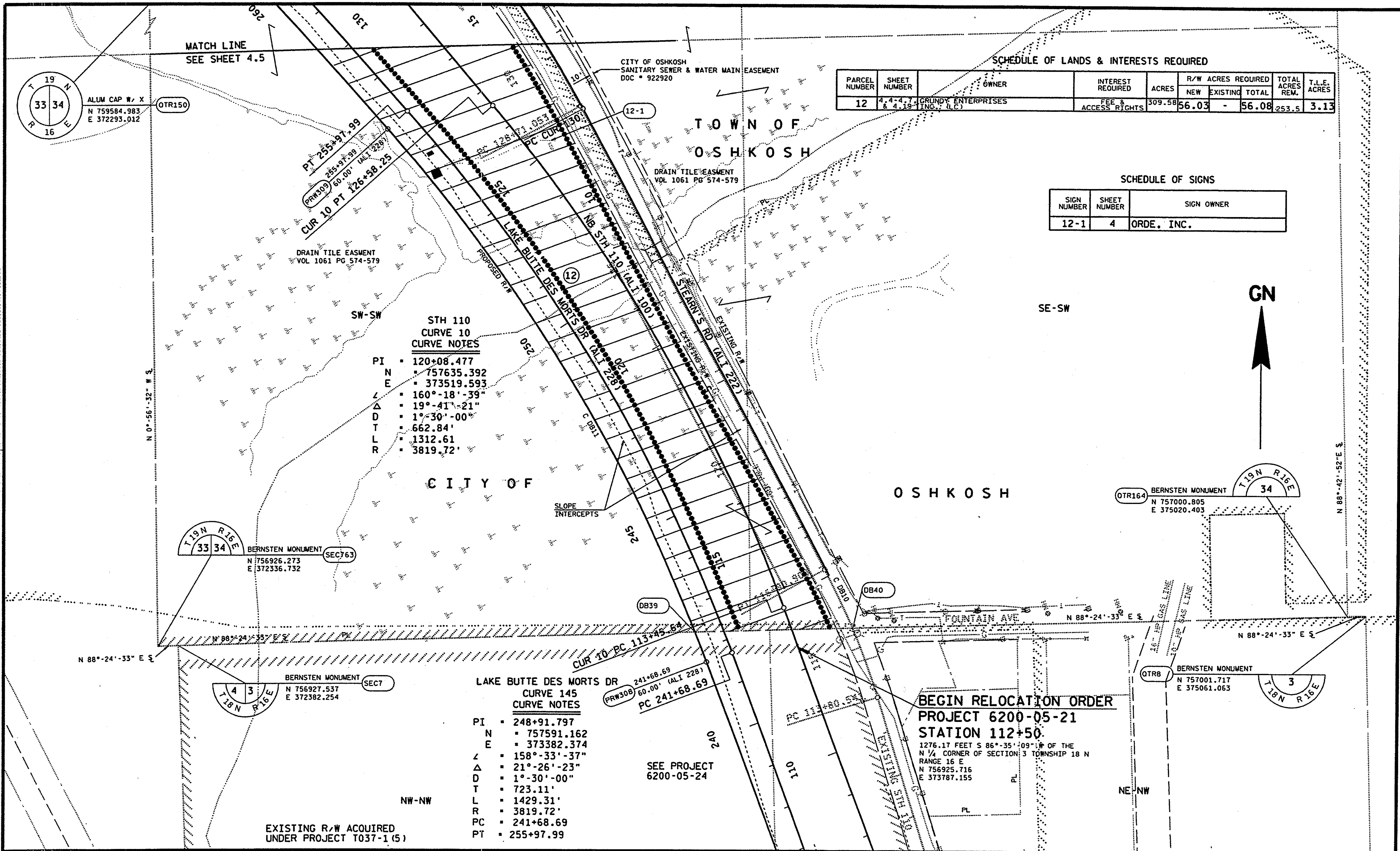
FILE NAME : F:±d3_620005±4to2.dgn PLOT DATE: 27-SEP-2001 13:07 ORG DATE : PLOT NAME : Originator : Dist PLOT SCALE : 802.424256:1.000000 WISDOT/CADDS SHEET 70



REVISION DATE 02-03-99 07-23-99 NC 09-11-01 NC	DATE 11-17-95	NOT TO SCALE	HWY: STH 110	CONSTRUCTION PROJECT NUMBER 6200-05-71	PS&E SHEET NO: 4.10
			COUNTY: WINNEBAGO	STATE R/W PROJECT NUMBER 6200-05-21	PLAT SHEET NO: 4.3 E

FILE NAME : F:±d3_620005±4to3.dgn PLOT DATE: 27-SEP-2001 13:07 ORG DATE : PLOT NAME : Originator : Dist PLOT SCALE : 802.424256:1.000000 WISDOT/CADDS SHEET 70

LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21, 22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50, 52,53,54,55,56,57,58,59,60,61,62,63


MATCH LINE
SEE SHEET 4.5
T 19 N
R 16 E
33 34
ALUM CAP W/ X
N 759584.983
E 372293.012
OTR150
PT 255+97.99
PRW309 255+97.99 60.00' (ALI 228)
CUR 10 PT 126+58.25
PC CUR 130
CITY OF OSHKOSH
SANITARY SEWER & WATER MAIN EASEMENT
DOC * 922920
12-1
TOWN OF
OSHKOSH
DRAIN TILE EASMENT
VOL 1061 PG 574-579
DRAIN TILE EASMENT
VOL 1061 PG 574-579
NB STH 110 (ALI 100)
LAKE BUTTE DES MORTS DR (ALI 228)
STEARN'S RD (ALI 222)
PROPOSED R/W
EXISTING R/W
(12)
SW-SW
SE-SW
GN
STH 110
CURVE 10
CURVE NOTES
PI = 120+08.477
N = 757635.392
E = 373519.593
∠ = 160°-18'-39"
Δ = 19°-41'-21"
D = 1°-30'-00"
T = 662.84'
L = 1312.61
R = 3819.72'
N 0°-56'-32" W
CITY OF
OSHKOSH
SLOPE
INTERCEPTS
C DB11
C DB10
OTR164
BERNSTEN MONUMENT
N 757000.805
E 375020.403
T19N R16E 34
N 88°-42'-52"E
T19N R16E 33 34
BERNSTEN MONUMENT
SEC763
N 756926.273
E 372336.732
DB39
DB40
FOUNTAIN AVE
N 88°-24'-33" E
CUR 10 PC 113+45.64
BERNSTEN MONUMENT
SEC7
N 756927.537
E 372382.254
T18N R16E 4 3
PRW308 241+68.69 60.00' (ALI 228)
PC 241+68.69
LAKE BUTTE DES MORTS DR
CURVE 145
CURVE NOTES
PI = 248+91.797
N = 757591.162
E = 373382.374
∠ = 158°-33'-37"
Δ = 21°-26'-23"
D = 1°-30'-00"
T = 723.11'
L = 1429.31'
R = 3819.72'
PC = 241+68.69
PT = 255+97.99
SEE PROJECT
6200-05-24
BEGIN RELOCATION ORDER
PROJECT 6200-05-21
STATION 112+50
1276.17 FEET S 86°-35'-09" W OF THE
N 1/4 CORNER OF SECTION 3 TOWNSHIP 18 N
RANGE 16 E
N 756925.716
E 373787.155
EXISTING STH 110
16" HP GAS LINE
10" HP GAS LINE
OTR8
BERNSTEN MONUMENT
N 757001.717
E 375061.063
T18N R16E 3
NE-NW
NW-NW
EXISTING R/W ACQUIRED
UNDER PROJECT T037-1(5)

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	SHEET NUMBER	OWNER	INTEREST REQUIRED	ACRES	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TOTAL ACRES REM.	T.L.E. ACRES
12	4,4-4.7, & 4.19	GRUNDY ENTERPRISES INC. (LC)	FEE & ACCESS RIGHTS	309.58	56.03	-	56.08	253.5	3.13

SCHEDULE OF SIGNS

SIGN NUMBER	SHEET NUMBER	SIGN OWNER
12-1	4	ORDE. INC.

REVISION DATE 02-03-99 07-23-99 NC 09-11-01	DATE: 11-17-95 GRID FACTOR: 0.999997	SCALE, FEET 0 100 200	HWY: STH 110 COUNTY: WINNEBAGO	CONSTRUCTION PROJECT NUMBER: 6200-05-71 STATE R/W PROJECT NUMBER: 6200-05-21

PS&E SHEET NO: 4.1(
PLAT SHEET NO: 4.4
E

LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

FILE NAME : F:±d3_620005±d3409.dgn PLOT DATE: 27-SEP-2001 13:07 ORG DATE : PLOT NAME : Originator : Dist PLOT SCALE : 200.606061:1.000000

PC CUR 103

PC 20+37.18

CTH T (ALI 110)

SE-NE

SW-NW

TOWN OF OSHKOSH

MATCH LINE
SEE SHEET 4.6

ALUM CAP W/X
N 759584.983
E 372293.012
OTR150

0.05 EXCESS ACRES

N 88°-29'-50" E

0.34 EXCESS ACRES

DB80

DB79 DB35

DB66

PT CUR 149

0.67 AC
REMAINING

WISCONSIN PUBLIC SERVICE
GAS EASEMENT
VOL 1124, PG 617-620

EXISTING R/W

PROPOSED R/W

TLE FOR
DRIVEWAY

PT CUR 131

PC CUR 131

STEARN'S RD
CURVE 131
CURVE NOTES

PI	= 26+24.063
N	= 759150.341
E	= 372300.534
∠	= 232°-21'-40"
Δ	= 52°-21'-40"
D	= 11°-15'-00"
T	= 250.39'
L	= 465.43'
R	= 509.30'
PC	= 23+73.67
PT	= 28+39.10

STEARN'S RD
CURVE 130
CURVE NOTES

PI	= 17+08.773
N	= 758593.021
E	= 373047.408
∠	= 154°-58'-30"
Δ	= 25°-01'-30"
D	= 2°-26'-33"
T	= 520.59'
L	= 1024.57'
R	= 2345.80'
PC	= 11+88.19
PT	= 22+12.76

30+00 60.00' (ALI222) PRW723

28+39.11 52.00' (ALI222) PRW722

28+29.91 52.00' (ALI222)

28+22.13 72.15' (ALI222)

27+91.16 70.85' (ALI222)

28+00.28 52.00' (ALI222)

22+12.75 50.78' (ALI 222) PRW720

23+73.67 52.00'

N 53°-16'-10" W

DRAIN TILE
EASEMENT
VOL 1061, PG 574-579

NW-SW

GN

WISCONSIN PUBLIC SERVICE
ELECTRIC EASEMENT
DOC = 442023

MATCH LINE
SEE SHEET 4.6

RECREATION TRAIL

NW-SE

DETAILS NOT TO SCALE

LAKE BUTTE DES MORTS DR
CURVE 149
CURVE NOTES

PI	= 279+11.04
N	= 759271.571
E	= 370951.957
∠	= 260°-08'-45"
Δ	= 80°-08'-45"
D	= 21°-00'-00"
T	= 229.53'
L	= 381.65'
R	= 272.84'
PC	= 277+41.51
PT	= 281+23.15

EXISTING STH 110
CURVE CL90
CURVE NOTES

PI	= 135+66.42
N	= 758753.491
E	= 372959.508
∠	= 146°-14'-36"
Δ	= 33°-45'-24"
D	= 2°-30'-00"
T	= 695.36'
L	= 1250.26'
R	= 2291.83'

LAKE BUTTE DES MORTS DR
CURVE 147
CURVE NOTES

PI	= 269+43.60
N	= 759126.169
E	= 371995.532
∠	= 140°-01'-45"
Δ	= 39°-58'-15"
D	= 6°-30'-00"
T	= 320.58'
L	= 614.94'
R	= 881.47'
PC	= 266+23.02
PT	= 272+37.96

280+80.00 85.00' PRW334

277+41.50 230.00' PRW333

277+41.51 80.00' & 85.00' PRW313 PRW336

276+72.48 250.00' PRW332

276+29.10 265.00' PRW331

275+89.27 45.00' PRW337

275+35 225.00' PRW330

274+00 200.00' PRW35

272+37.96 60.00' PRW312

272+37.96 140.00' PRW329

270+80 112.00' PRW328

269+32.36 79.00' (ALI 228) PRW327

266+23.02 60.00' (ALI 228) PRW311

281+10.00 80.00' PRW317

15+89.70 56.17' PRW3150

N 82°-04'-05" W 0.09 EXCESS ACRES

N 0°-54'-31" W

S 0°-56'-32" E

CITY OF OSHKOSH
SANITARY SEWER & WATER MAIN EASEMENT
DOC = 922628
60

CITY OF OSHKOSH
SANITARY SEWER & WATER MAIN EASEMENT
DOC = 922920
60

WISCONSIN PUBLIC SERVICE
EASEMENT
VOL 1167, PG 170

DRAIN TILE
EASEMENT
VOL 1061, PG 574-579

CITY OF OSHKOSH

SEC763 BERNSTEN MONUMENT
T 19 N R 16 E 33 34
N 756926.273
E 372336.732

PROPOSED NB STH 110 & (ALI 1100)

LAKE BUTTE DES MORTS DR (ALI 228)

STEARN'S RD (ALI 222)

PROPOSED R/W

EXISTING R/W

MATCH LINE
SEE SHEET 4.4

SLOPE
INTERCEPTS

EXISTING R/W ACQUIRED
UNDER PROJECTS T037-1(5), 3387

SW-SW

PC CUR

N 28°-14'-41" W

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	SHEET NUMBER	OWNER	INTEREST REQUIRED	TOTAL ACRES	R/W ACRES REQUIRED NEW	R/W ACRES REQUIRED EXISTING	R/W ACRES REQUIRED TOTAL	TOTAL ACRES REM.	T.L.E. ACRES
10	4.5 & 4.6	PAMELA A. & TIMOTHY P LESNICK	FEE & ACCESS RIGHTS	182.90	1.88	1.84	3.72	179.18	0.01
11	4.5	CLARENCE L WRIGHT	FEE	4.64	3.25	1.39	4.64	0	
12	4.4-4.7 & 4.19	GRUNDY ENTERPRISES INC (LC)		SEE SHEET 4.4					
18	4.5	HELEN HEWITT ETAL	FEE	1.75	0.61	1.14	1.75	0	
19	4.5	JOHN A RYF	FEE	1.07	0.31	0.16	0.47	0.60	
20	4.5	RICHARD G MAKI JR & LORI M PIERQUET	FEE	1.60	1.49	0.11	1.60	0	
21	4.5	DOROTHY E STIEG	FEE	0.65	0.40	0.25	0.65	0	
22	4.5	ROBERT J & BARBARA ANN WINKLER	FEE	0.65	0.47	0.18	0.65	0	
23	4.5	CASTLE - PIERCE PRINTING CO	FEE & ACCESS RIGHTS	7.16	1.30	0.31	1.61	5.55	
60	4.5	CITY OF OSHKOSH PUBLIC WORKS (45)	RELEASE OF RIGHTS						
61	4.5	WISCONSIN PUBLIC SERVICE (GAS) (46)	RELEASE OF RIGHTS						
62	4.5-4.7-4.9-4.15-4.17&4.20	AMERICAN TRANSMISSION CORP (47)	RELEASE OF RIGHTS						

SCHEDULE OF SIGNS

SIGN NUMBER	SHEET NUMBER	SIGN OWNER
12-2		FRENCH ADVERTISING
12-3		POTRATZ & STADLES

REVISION DATE 09-11-01	DATE:	SCALE, FEET 0 100 200	HWY: STH 110	CONSTRUCTION PROJECT NUMBER: 6200-05-71	PS&E SHEET NO: 4.12
	GRID FACTOR: 0.999997		COUNTY: WINNEBAGO	STATE R/W PROJECT NUMBER: 6200-05-21	PLAT SHEET NO: 4.5 E

FILE NAME : F:±d3_620005±d3410.dgn PLOT DATE: 27-SEP-2001 13:07 ORG DATE : PLOT NAME : Originator : Dist PLOT SCALE : 200.606061:1.000000

WISDOT/CADDS SHEET 75

LEVELS ON : 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

T O W N O F O S H K O S H

MATCH LINE — SEE SHEET 4.7

EXISTING STH 110
CL91
CURVE NOTES

PI	= 157+24.15
N	= 759786.933
E	= 371019.390
∠	= 205°-30'-24"
Δ	= 25°-30'-24"
D	= 5°-00'-00"
T	= 259.36'
L	= 510.13'
R	= 1145.92'

NW FRONTAGE RD
CURVE 103
CURVE NOTES

PI	= 285+67.46
N	= 759917.990
E	= 370929.582
∠	= 145°-18'-49"
Δ	= 34°-41'-11"
D	= 11°-00'-00"
T	= 162.66'
L	= 315.33'
R	= 520.87'
PC	= 284+04.80
PT	= 287+20.13

STEARN'S RD
CURVE 132
CURVE NOTES

PI	= 36+93.249
N	= 760254.735
E	= 372283.020
∠	= 118°-38'-44"
Δ	= 61°-21'-16"
D	= 21°-00'-00"
T	= 161.85'
L	= 292.16'
R	= 272.84'
PC	= 35+31.40
PT	= 38+23.56

EAST BOUND CTH T
CURVE T3
CURVE NOTES

PI	= 33+99.60
N	= 759603.109
E	= 372281.154
∠	= 90°-31'-50"
Δ	= 89°-28'-10"
D	= 4°-00'-00"
T	= 1362.42'
L	= 2147.26'
R	= 1375.10'
PC	= 20+37.18
PT	= 41+84.44

SEC137 BERNSTEN MON
N 762252.976
E 372245.399

T 19 N — R 16 E — 28 27 33 34

PT 41+84.44
CUR T3

GN

MATCH LINE
SEE SHEET 4.19

41+00 — 75.00' — PRW727

PRW818 39+50 — 100'.00

PRW808 37+00 — 130.00'

PRW809 32+50 — 205.00'

PRW810 151+00 — 285.00' (ALI 10)

PRW811 154+00 — 165.00' (ALI 10)

PRW812 158+00 — 130.00' (ALI 10)

12.54 AC REMAINING

SW-NW
DRAIN TILE EASEMENT
VOL 1061
PG 574-579

PRW726 36+08.45 — 200.00' (ALI T10)

CPRW32

PRW725 35+31.40 — 130'

PRW724 34+00 — 100'

EXISTING STH 110
CL91

EXISTING R/W

PI 295+42.13

PRW753 162+00 — 150.00'

LOT 1
CSM 3516
4.06 AC
REMAINING

LOT 2 CSM 3516
3.11 AC REMAINING

0.28 AC LANDLOCKED

PRW339 291+00.00 — 35.84'

PRW326 290+00.00 — 47.00'

291+00 — 29.72' (ALI 221) — PRW366

PRW752 156+50 — 200.00' (ALI 10)

289+00 — 60.00' (ALI 221) — PRW367

287+20.13 — 70.00' (ALI 221) — PRW368

PROPOSED R/W

154+00 — 275.00' (ALI 10) — PRW751

285+67.59 — 80.68' (ALI 221) — RW165

1.07 AC LAND LOCKED

151+47.37 — 403.37' (ALI 10) — PRW750

150+32.96 — 365.93' — RW164

SE-NE

SW-NE

NW-SE

EXISTING R/W ACQUIRED UNDER PROJECT T037-1(5)

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	SHEET NUMBER	OWNER	INTEREST REQUIRED	TOTAL ACRES	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TOTAL ACRES REM.	T.L.E. ACRES
10	4.5 & 4.6	PAWMELA A. & TIMOTHY P. LESNICK			SEE	SHEET	4.5		
12	4.4-4.7 & 4.19	GRUNDY ENTERPRISES INC (LC)			SEE	SHEET	4.4		
24	4.6,4.8 & 4.9	WINNEBAGO COUNTY (REC TRAIL)	FEE	EXTENSIVE	2.72	-	2.72	4.08	
25	4.6	COMMUNITY CHURCH INC	TLE	18.99					0.08
26	4.6	OSHKOSH AREA SCHOOL DISTRICT	FEE	38.88	0.56	-	0.56	38.32	-
27	4.6	MARY R LADWIG	FEE & ACCESS RIGHTS	4.96	1.60	1.30	2.90	2.06	
28	4.6	NORMAN & NANCY REICHENBERGER	FEE	3.40	0.16	0.35	0.51	2.89	-
29	4.6	RICHARD L & JACQUELINE GERLACH	FEE	1.00	0.04	0.15	0.19	0.81	-
30	4.6	DAVID W & KAREN K JACOBSON	FEE	11.74	4.10	0.47	4.57	7.17	-
63	4.6,4.8, 4.12, 4.16 & 4.17	AMERITECH (48)	RELEASE OF RIGHTS						
64	4.6.4.14	WISCONSIN PUBLIC SERVICE (DISTRIBUTION) (49)	RELEASE OF RIGHTS						

WISCONSIN PUBLIC SERVICE ELECTRIC EASEMENT DOC # 442023

LOT 1 CSM3808

PRW322 50' — 17+00 — 85.00'

PRW321 14+00 — 75.00'

PRW320 12+00 — 45.00'

PRW319 10+00 — 40.00'

PRW318 8+02.20 — 16.95'

T 19 N — 33 — R 16 E — SEC149
N 759516.564
E 369685.135

PC CUR 103

PRW325 287+20.13 — 52.00' (ALI 221)

PRW324 284+04.80 — 52.00' (ALI 221)

PRW323 19+95 — 110.00' (ALI T10)

PC 20+37.18
CUR T3

PT CUR 103

PROPOSED R/W

MATCH LINE
SEE SHEETS 4.5

PT CUR 149

TLE15 15+92.19 — 61.77' — (CR AGG)

RW3150 15+89.70 — 56.77' — (CR AGG)

TLE FOR SLOPING

TLE16 9+00.00 — 56.14'

TLE17 9+00.00 — 61.14'

MATCH LINE
SEE SHEET 4.5

LAKE BUTTE DES MORTS DR

OLD STH 110

STH 110

CTH T (ALI T10)

PT CUR T3

(ALI 100) NB STH 110 &

N 40°-20'-48"-W &

N 0°-54'-31"-W &

(ALI 222) STEARN'S ROAD

T 19 N — 33 34 — R 16 E

QTR150 ALUM CAP W/X
N 759584.983
E 372293.012

PT CUR 13

CITY OF OSHKOSH

REVISION DATE 09-11-01 NC	DATE: 11-17-95	SCALE, FEET 0 100 200	HWY: STH 110	CONSTRUCTION PROJECT NUMBER: 6200-05-71	PS&E SHEET NO: 4.13
	GRID FACTOR: 0.999997		COUNTY: WINNEBAGO	STATE R/W PROJECT NUMBER: 6200-05-21	PLAT SHEET NO: 4.6 E

FILE NAME : F:±d3_620005±d3411.dgn PLOT DATE: 27-SEP-2001 13:07 ORG DATE : PLOT NAME : Originator : Dist PLOT SCALE : 200.606061:1.000000 WISDOT/CADDS SHEET 75

LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

TOWN OF OSHKOSH

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	SHEET NUMBER	OWNER	INTEREST REQUIRED	TOTAL ACRES	R/W ACRES REQUIRED			TOTAL ACRES REM.	T.L.E. ACRES
					NEW	EXISTING	TOTAL		
12	4.4-4.7	GRUNDY ENTERPRISES INC (LC)			SEE	SHEET	4.4		
62	4.5,4.7-4.9,4.16,4.17&4.20	AMERICAN TRANSMISSION CORP (47)							

MATCH LINE SEE SHEET 4.8

CTH Y

N 88°-31'-15" E ℄

N 88°-20'-45" E ℄

PARK AND RIDE

PC CUR 20

PC CUR 165

PC CUR 169

PT CUR 169

PI 46+13.87

ALUM CAP W/X
N 762185.032
E 369613.923
QTR136

T 19 N
R 16 E
28 33

DB30
175+01.72
523.84'
PRW817

0.62 AC REMAINING

TLE FOR DRIVEWAY

MICHELS QUARRY

174+00
187.14'
PRW2842

177+00
200.09'
PRW815

173+00
125.00'
PRW2841

171+44.76
176.20'
PRW2840

170+00
110.00'

CURVE 169 CURVE NOTES

PI = 34+56.724
N = 762185.929
E = 369673.480
∠ = 225°-00'-00"
Δ = 45°-00'-00"
D = 6°-45'-00"
T = 351.60'
L = 666.67'
R = 848.83'
PC = 31+05.13
PT = 37+71.80

SEC137 BERNSTEN MONUMENT
N 762252.976
E 372245.399

T 19 N
R 16 E
28 27
33 34

0.76 AC REMAINING

178+31.50
179.71'
PRW756

178+31.89
403.41'
PRW757

SLOPE INTERCEPTS

2.24 AC REMAINING

NW-NE

13.92 AC REMAINING

NE-NW

NE-NE

(ALT 100) NB STH 110

STH 110

SB STH 110

TLE FOR SLOPING

172+00
145.00'
PRW758

157+00
105.00'
PRW2843

166+00
117.00'
PRW2836

165+00
150.00'
PRW813

WISCONSIN PUBLIC SERVICE ELECTRIC EASEMENT DOC # 442023

RECREATION TRAIL

S 1°-31'-45" E ℄

0.51 AC LAND LOCKED

0.46 AC LAND LOCKED

166+00
150.00'
PRW754

DB63

DB60

MATCH LINE SEE SHEET 4.6

LOT 1 CSM 3516

LOT 2 CSM 3516

PI 295+42.13

N 40°-20'-48" W ℄

SW-NE

SE-NE

SEC49
N 759516.564
E 369685.135
T 19 N
R 16 E
33

EXISTING R/W ACQUIRED UNDER PROJECT T037-1(5)

GN

REVISION DATE 09-11-01	DATE: 11-17-95	SCALE: FEET 0 100 200	HWY: STH 110	CONSTRUCTION PROJECT NUMBER: 6200-05-71	PS&E SHEET NO: 4,14
	GRID FACTOR: 0.999997		COUNTY: WINNEBAGO	STATE R/W PROJECT NUMBER: 6200-05-21	PLAT SHEET NO: 4.7 E

FILE NAME : F:±d3_620005±d3412.dgn PLOT DATE: 27-SEP-2001 13:07 ORG DATE : PLOT NAME : Originator : Dist PLOT SCALE : 200.606061:1.000000

WISDOT/CADDS SHEET 75

LEVELS ON = 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

TOWN OF OSHKOSH

T 19 N, 28, R 16 E

CTRS123
N 764812.123
E 369557.891

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	SHEET NUMBER	OWNER	INTEREST REQUIRED	TOTAL ACRES	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TOTAL ACRES REM.	T.L.E. ACRES
4	4.8-4.11	ESTATE OF ELDOR O SCHULTZ	FEE	295.62	34.61	-	34.61	261.11	
24	4.6-4.9	WINNEBAGO COUNTY		SEE	SHEET	4.6			
31	4.8	ROBERT E. KRUMENAUR	FEE	0.71	0.01	-	0.01	0.70	
32	4.8.4.9 & 4.19	GRUNDY FARMS INC	FEE & ACCESS RIGHTS	140.49	14.37	0.76	15.13	125.24	0.01
62	4.5.4.7-4.9.4.16 4.17&4.20	AMERICAN TRANSMISSION CORP (47)	RELEASE OF RIGHTS						
63	4.6.4.8.4.12.4.16 & 4.17	AMERITECH (48)	RELEASE OF RIGHTS						

MATCH LINE
SEE SHEET 4.9

SW-SW

SE-SW

SW-SE

N 1°-13'-19" W

S 87°-52'-49" W

MATCH LINE
SEE SHEET 4.7

NE-NW

NW-NE

N 88°-20'-45" E

N 88°-31'-15" E

N 40°-20'-48" W

GN

CURVE 20 CURVE NOTES

PI	= 198+29.082
N	= 763605.768
E	= 368447.996
∠	= 163°-54'-20"
Δ	= 16°-05'-40"
D	= 0°-30'-00"
T	= 1620.13'
L	= 3218.92'
R	= 11459.16'
PC	= 182+08.96
PT	= 214+27.87

193+00
175'
PRW826

SLOPE INTERCEPTS

PRW802 194+03.22 180.00'

PRW801 190+64.93 180.00'

PRW800 182+22.04 180.00'

PRW799 182+22.61 265.03'

PRW825 186+00 205'

PRW824 181+00 240'

PRW823 178+75.00 230'

PRW822 177+00 425'

PRW821 175+53.24 565'

6.33 AC REMAINING

9.29 AC REMAINING

17.77 AC REMAINING

2.00 AC LANDLOCKED

NB STH 110 (ALT 100)

STH 110

CTH Y (ALT 290)

CTH Y

PROPOSED R/W

PC CUR 20

PT CUR 169

PT 46+13.87

RECREATION TRAIL

WISCONSIN PUBLIC SERVICE ELECTRIC EASEMENT DOC # 442023

ALUM MON W/X
N 762185.032
E 369613.923
OTR136

BERNSTEN MONUMENT
N 762087.671
E 366983.376
SEC135

EXISTING R/W ACQUIRED UNDER PROJECTS T037-1 (5), 6202-01-21

MICHELS QUARRY

DB75 DB45 DB31 DB30

T 19 N, 29 28 32 33, R 16 E

REVISION DATE 09-11-01	DATE: 11-17-95	SCALE, FEET 0 100 200	HWY: STH 110	CONSTRUCTION PROJECT NUMBER: 6200-05-71	PS&E SHEET NO: 4.15
	GRID FACTOR: 0.999997		COUNTY: WINNEBAGO	STATE R/W PROJECT NUMBER: 6200-05-21	PLAT SHEET NO: 4.8 E

FILE NAME : F:±d3_620005±d3413.dgn PLOT DATE: 27-SEP-2001 13:07 ORG DATE : PLOT NAME : Originator : Dist PLOT SCALE : 200.606061:1.000000

WISDOT/CADDS SHEET 75

LEVELS ON - 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

SCHEDULE OF LANDS & INTERESTS REQUIRED

SE-NW

PARCEL NUMBER	SHEET NUMBER	OWNER	INTEREST REQUIRED	TOTAL ACRES	R/W ACRES REQUIRED			TOTAL ACRES REM.	T.L.E. ACRES
					NEW	EXISTING	TOTAL		
4	4.8-4.11	ESTATE OF ELDOR O SCHULTZ			SEE	SHEET	4.8		
24	4.6-4.9	WINNEBAGO COUNTY			SEE	SHEET	4.6		
32	4.8.4.9 & 4.19	GRUNDY FARMS INC			SEE	SHEET	4.8		
62	4.5.4.7-4.9.4.16.4.17&4.20	AMERICAN TRANSMISSION CORP (47)	RELEASE OF RIGHTS						

MATCH LINE
SEE SHEET 4.10

SW-NW

T 19 N
R 16 E
29 28

BERNSTEN MONUMENT
N 764726.323
E 366917.468
OTR122

DB3

0.72 AC REMAINING

214+27.85
150.00'
PRW834

N 56°-26'-28" W ℄

DB2

PT CUR 20

214+27.85
180.00'
PRW804

NB STH 110 (ALT 100)

C PRW43

210

7.63 AC REMAINING

S 1°-25'-51" E ℄

SLOPE INTERCEPTS

502

C DB6

6.62 AC REMAINING

NW-SW

5.28 AC REMAINING

RECREATION TRAIL

N 27°-59'-42" W ℄

4.57 AC REMAINING

WISCONSIN PUBLIC SERVICE ELECTRIC EASEMENT DOC # 442023

62

50'

202+85.24
150.00'
PRW833

201+17.52
188.24'
PRW828

4

24

62

32

PL

200

TOWN OF OSHKOSH

N 88°-08'-20" E ℄

T 19 N
R 16 E
28

CTRS123
N 764812.123
E 369557.891

GN

NE-SW

37.85 AC REMAINING

N 1°-13'-19" W ℄

MATCH LINE
SEE SHEET 4.8

SE-SW

SW-SW

T 19 N
R 16 E
29 28
32 33

BERNSTEN MONUMENT
N 762087.671
E 366983.376
SEC135

CURVE 20 CURVE NOTES

PI	=	198+29.082
N	=	763605.768
E	=	368447.996
∠	=	163°-54'-20"
Δ	=	16°-05'-40"
D	=	0°-30'-00"
T	=	1620.13'
L	=	3218.92'
R	=	11459.16'
PC	=	182+08.96
PT	=	214+27.87

LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

REVISION DATE 09-11-01NC	DATE: 11-17-95	SCALE, FEET 0 100 200	HWY: STH 110	CONSTRUCTION PROJECT NUMBER: 6200-05-71	PS&E SHEET NO: 4.16
	GRID FACTOR: 0.999997		COUNTY: WINNEBAGO	STATE R/W PROJECT NUMBER: 6200-05-21	PLAT SHEET NO: 4.9 E

FILE NAME : F:±d3_620005±d3414.dgn PLOT DATE: 27-SEP-2001 13:07 ORG DATE : PLOT NAME : Originator : Dist PLOT SCALE : 200.606061:1.000000

WISDOT/CADDS SHEET 75

NW-NE

TOWN OF OSHKOSH

NE-NE

SEC109
N 767365.232
E 366851.801

T 19 N
R 16 E
20 21
29 28

245

MATCH LINE
SEE SHEET 4.11

240

1.76 AC
REMAINING

4

SLOPE
INTERCEPTS

235

23.74 AC
REMAINING

GN

32.00 AC
REMAINING

SW-NE

SE-NE

230

150'

PROPOSED R/W

(ALT 100)

NB STH 110

N 56°-26'-28" W ℄

225

N 1°-12'-07" W ℄

N 1°-25'-32" W ℄

MATCH LINE
SEE SHEET 4.9

DB3

6.54 AC
REMAINING

T 19 N
29
R 16 E

PK NAIL
N 764652.050
E 364292.220
CTRS121

220

PL

PRM805
220+00
150.00'

N 88°-22'-46" E ℄

NW-SE

NE-SE

16.01 AC
REMAINING

OTR122
BERNSTEN MONUMENT
N 764726.323
E 366917.467

T 19 N
29 28
R 16 E

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	SHEET NUMBER	OWNER	INTEREST REQUIRED	TOTAL ACRES	R/W ACRES REQUIRED			TOTAL ACRES REM.	T.L.E. ACRES
					NEW	EXISTING	TOTAL		
4	4.8 4.11	ESTATE OF ELDOR O SCHULTZ		SEE	SHEET	4.8			

EXISTING R/W ACQUIRED
UNDER PROJECTS 1037-1 (5),
N.R.H. 393-8, 6202-02-21

DB2

215

REVISION DATE 09-11-01 NC	DATE: 11-17-95	SCALE, FEET 0 100 200	HWY: STH 110	CONSTRUCTION PROJECT NUMBER: 6200-05-71	PS&E SHEET NO: 4.17	
	GRID FACTOR: 0.999997		COUNTY: WINNEBAGO	STATE R/W PROJECT NUMBER: 6200-05-21	PLAT SHEET NO: 4.10	E

LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

FILE NAME : F:±d3_620005±d3415.dgn PLOT DATE: 27-SEP-2001 13:07 ORG DATE : PLOT NAME : Originator : Dist PLOT SCALE : 200.606061:1.000000

WISDOT/CADDS SHEET 75

TOWN OF VINLAND

TOWN OF OSHKOSH

SE-SW

MATCH LINE
SEE SHEET 4.12

MATCH LINE
SEE SHEET 4.10

BROOKS RD (ALI 241)
N 81°-41'-01" E ℄

S 89°-05'-04" W ℄

N 88°-58'-32" E ℄

N 88°-42'-56" E ℄

EXISTING R/W

PC CURB

PT CURB

LUEBKE RD

TLE FOR DRIVEWAY

LOT 1
CSM 2718
25

LOT 1
VOL 1 CSM 4349

LOT 1
VOL 1 CSM 3793

6.92 AC
REMAINING

34.11 AC
REMAINING

20.13 AC
REMAINING

0.83 AC
REMAINING

NB STH 110 (ALI 1001)

PROPOSED R/W

N 56°-26'-28" W ℄

N 1°-12'-07" W ℄

NW-NE

NE-NW

SW-NE

SLOPE INTERCEPTS

DB4

DB7

EXISTING R/W AQUIRED
UNDER PROJECTS T037-1 (5), NRH 393-B

BERNSTEN MONUMENT
N 767306.590
E 364236.526
QTR108

SEC109
N 767365.232
E 366851.801

PK NAIL
N 764652.050
E 364292.220
CTRS21

PI 44+77.135

PC 251+49.01

PRW841 263+25.96 110.00'

PRW836 259+40.668 150.00' (ALI 10)

PRW835 257+49.01 150.00'

PRW838 29+09.01 45.00'

PRW837 27+44.28 42.75'

PRW2 29+88.74 35.07'

PRW854 16+75.14 132.35' (ALI241)

PRW2833 262+00 150.00'

PRW871

PRW2834 259+41.44 140.61'

PRW861 257+49.01 175.00'

PRW807 251+00 170.00'

PRW806 249+00 150.00'

CPRW32

CPRW44

STH 110
CURVE 30
CURVE NOTES

PI	=	264+49.349
N	=	767277.198
E	=	362913.426
∠	=	197°-22'-27"
△	=	17°-22'-27"
D	=	1°-15'-00"
T	=	700.34'
L	=	1389.94'
R	=	4583.66'
PT	=	271+38.942

BROOKS RD
CURVE 482
CURVE NOTES

PI	=	28+27.39
N	=	767305.774
E	=	364075.048
∠	=	187°-17'-31"
△	=	7°-17'-31"
D	=	4°-27'-30"
T	=	81.89'
L	=	163.56'
R	=	1285.14'
PC	=	27+45.50
PT	=	29+09.06

BROOKS RD
CURVE 481
CURVE NOTES

PI	=	17+36.67
N	=	767147.378
E	=	362991.459
∠	=	161°-01'-51"
△	=	18°-58'-09"
D	=	4°-00'-00"
T	=	239.30'
L	=	474.23'
R	=	1432.39'
PC	=	14+97.36
PT	=	19+71.59

SCHEDULE OF LANDS & INTERESTS REQUIRED

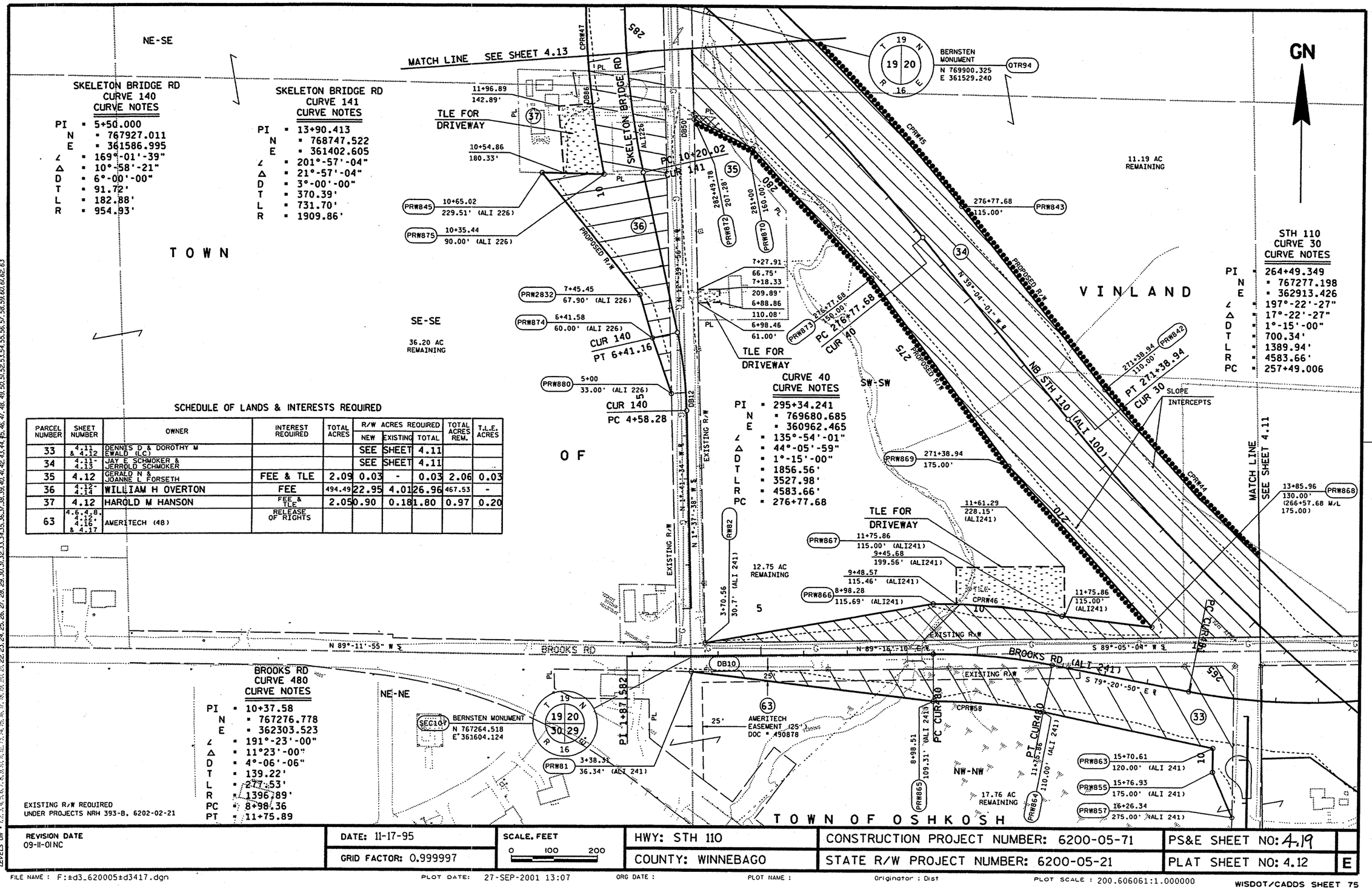
PARCEL NUMBER	SHEET NUMBER	OWNER	INTEREST REQUIRED	TOTAL ACRES	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TOTAL ACRES REM.	T.L.E. ACRES
4	4.8-4.11	ESTATE OF ELDOR O SCHULZ			SEE	SHEET	4.8		
33	4.11 & 4.12	DENNIS D & DOROTHY M EWALD (LC)	FEE	116.07	14.77	2.43	17.20	98.87	-
34	4.11-4.13	JAY E SCHMOKER & JERROLD SCHMOKER	FEE & ACCESS RIGHTS	338.83	15.30	1.91	17.21	321.62	0.55
48	4.11	JERROLD J. & CAROL A. SCHMOKER	TLE						0.02

REVISION DATE 09-11-01	DATE: 11-17-95	SCALE, FEET 0 100 200	HWY: STH 110	CONSTRUCTION PROJECT NUMBER: 6200-05-71	PS&E SHEET NO: 4.18
	GRID FACTOR: 0.999997		COUNTY: WINNEBAGO	STATE R/W PROJECT NUMBER: 6200-05-21	PLAT SHEET NO: 4.11 E

FILE NAME : F:±d3_620005±d3416.dgn PLOT DATE: 27-SEP-2001 13:07 ORG DATE : PLOT NAME : Originator : Dist PLOT SCALE : 200.606061:1.000000

WISDOT/CADDS SHEET 75

LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63



SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	SHEET NUMBER	OWNER	INTEREST REQUIRED	TOTAL ACRES	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TOTAL ACRES REM.	T.L.E. ACRES
33	4.11 & 4.12	DENNIS D & DOROTHY M EWALD (LC)			SEE	SHEET	4.11		
34	4.11-4.13	JAY E SCHMOKER & JERROLD SCHMOKER			SEE	SHEET	4.11		
35	4.12	GERALD N & JOANNE L FORSETH	FEE & TLE	2.09	0.03	-	0.03	2.06	0.03
36	4.12-4.14	WILLIAM H OVERTON	FEE	494.49	22.95	4.01	26.96	467.53	-
37	4.12	HAROLD M HANSON	FEE & TLE	2.05	0.90	0.18	1.80	0.97	0.20
63	4.6,4.8,4.12,4.16 & 4.17	AMERITECH (48)	RELEASE OF RIGHTS						

REVISION DATE 09-11-01 NC	DATE: 11-17-95	SCALE, FEET 0 100 200	HWY: STH 110	CONSTRUCTION PROJECT NUMBER: 6200-05-71	PS&E SHEET NO: 4.19	
	GRID FACTOR: 0.999997		COUNTY: WINNEBAGO	STATE R/W PROJECT NUMBER: 6200-05-21	PLAT SHEET NO: 4.12	E

FILE NAME : F:±d3_620005±d3417.dgn PLOT DATE: 27-SEP-2001 13:07 ORG DATE : PLOT NAME : Originator : Dist PLOT SCALE : 200.606061:1.000000

WISDOT/CADDS SHEET 75

LEVELS ON : 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

T O W N O F V I N L A N D

SW-NE

38.29 AC REMAINING

SE-NE

GN

N 83°-08'-31" W ℄

N 83°-10'-00" W ℄

KOLB RD (ALI 296)

EXISTING R/W

N 88°-41'-33" W ℄

N 88°-41'-42" W ℄

0.43 AC REMAINING

PROPOSED R/W

NB STH 110 (ALI 100)

SLOPE INTERCEPTS

12.11 AC REMAINING

NW-SW

NW-SE

30.49 AC REMAINING

NE-SE

13.73 AC REMAINING

MATCH LINE
SEE SHEET 4.14

MATCH LINE
SEE SHEET 4.12

SKELETON BRIDGE RD (ALI 226)

EXISTING R/W

S 88°-58'-09" W

N 1°-39'-14" W ℄

N 1°-37'-58" W ℄

N 9°-17'-09" E ℄

PT 19+28.29
CUR 191
308+61.27
151.35' (ALI 10)

PC 18+17.28
CUR 191
307+59.15
165.62' (ALI 10)

PT 312+05.66
CUR 40
312+05.66
175.00'

PT 23+16.64
CUR 142

PC 20+94.47
CUR 142

PI 28+53.47

PC 30+62.65

PT 31+41.54

PT 17+51.72
CUR 141

PRW204 314+21.94 148.24'
PRW203 311+24.31 133.85'
PRW202
PRW201
PRW200 305+55.30 212.22' (ALI 10)
PRW858 305+31.15 130.85'
PRW856 305+20.45 87.00'
PRW860 303+68.52 252.45' (ALI 10)
PRW859 303+51.06 189.07'
PRW87
PRW3096 25+13.07 28.14' (ALI 226)
PRW2831 21+15.02 81.08' (ALI 226)
PRW852 289+00 87.00' (ALI 10)
PRW853 18+00 105.00' (ALI 226)
PRW900 26+00.00 38.44' (ALI226)
PRW901 25+93.59 151.88' (ALI226)
PRW902 24+84.57 149.54' (ALI226)
PRW903 21+10.00 155.00' (ALI226)
PRW904 20+60.00 220.00' (ALI226)
PRW905 19+67.45 235.56' (ALI226)
PRW847 285+58.37 115.00'
PRW876 14+15.73 90.00' (ALI 226)
PRW48
PRW20
PRW47
CPRW45

CTRS93 BERNSTEN MONUMENT N 769960.233 E 358899.326
CTRS95 N 769947.648 E 364159.258
SEC81 N 772535.823 E 361454.110
QTR94 BERNSTEN MONUMENT N 769900.325 E 361529.240

DB15 DB82 DB83 DB49 DB16

SPEIGELBERG RD
CURVE 191
CURVE NOTES

PI	18+72.830
N	769944.991
E	359538.189
∠	185°-33'-02"
Δ	5°-33'-02"
D	5°-00'-00"
T	55.55'
L	111.01'
R	1145.92'

STH 110
CURVE 40
CURVE NOTES

PI	295+34.241
N	769680.685
E	360962.465
∠	135°-54'-01"
Δ	44°-05'-59"
D	1°-15'-00"
T	1856.56'
L	3527.98'
R	4583.66'
PC	276+77.68

SKELETON BRIDGE RD
CURVE 142
CURVE NOTES

PI	22+05.910
N	769561.297
E	361535.657
∠	168°-46'-50"
Δ	11°-13'-10"
D	5°-03'-00"
T	111.44'
L	222.17'
R	1134.60'

SKELETON BRIDGE RD
CURVE 141
CURVE NOTES

PI	13+90.413
N	768747.522
E	361402.605
∠	201°-57'-04"
Δ	21°-57'-04"
D	3°-00'-00"
T	370.39'
L	731.70'
R	1909.86'
PC	10+20.020

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	SHEET NUMBER	OWNER	INTEREST REQUIRED	TOTAL ACRES	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TOTAL ACRES REM.	T.L.E. ACRES
34	4.11-4.13	JAY E. SCHMOKER & JERROLD SCHMOKER			SEE	SHEET	4.11		
36	4.12-4.14	WILLIAM H OVERTON			SEE	SHEET	4.12		
38	4.13	THOMAS B. & SUSAN L KERR	FEE	0.97	0.25	0.13	0.38	0.59	
49	4.13	PATRICK & JACQUELINE TYERS	ACCESS RIGHTS	-	-	-	-	-	-
50	4.13	HOWARD D. & JANE A. BECK	FEE	93.89	0.14	0.04	0.18	93.71	

REVISION DATE 09-11-01 NC	DATE: 11-17-95	SCALE: FEET 0 100 200	HWY: STH 110	CONSTRUCTION PROJECT NUMBER: 6200-05-71
	GRID FACTOR: 0.999997		COUNTY: WINNEBAGO	STATE R/W PROJECT NUMBER: 6200-05-21

PS&E SHEET NO: 4.20
PLAT SHEET NO: 4.13
E

FILE NAME : F:±d3_620005±d3418.dgn PLOT DATE: 27-SEP-2001 13:07 ORG DATE : PLOT NAME : Originator : Dist PLOT SCALE : 200.606061:1.000000

WISDOT/CADDS SHEET 75

LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	SHEET NUMBER	OWNER	INTEREST REQUIRED	TOTAL ACRES	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TOTAL ACRES REM.	T.L.E. ACRES
36	4.12-4.14	WILLIAM H OVERTON			SEE	SHEET	4.12		
39	4.14	NICHOLAS M & JEAN A KOLB	FEE	75.57	12.43	1.90	14.33	61.24	
46	4.14	WINNECONNE-BUTTE DES MORTS JOINT COMMISSION	FEE	21.09	1.28	0.91	2.19	18.90	-
64	4.6.4.14	WISCONSIN PUBLIC SERVICE (DISTRIBUTION) (49)	RELEASE OF RIGHTS						

NE-NW

NE-NE

FRACTIONAL NW-NW

T 19 N, R 15 E, R 16 E, 13 18 24 19

BERNSTEN MONUMENT SEC79
N 772653.102
E 356316.821

MATCH LINE
SEE SHEET 4.20

TOWN OF VINLAND

TOWN OF WINNE-CONNE

SE-NE

KOLB RD (ALI 296)

N 42°-22'-15" W R

N 1°-29'-16" W S

PL

56+00
46.83'
PRW210

PT 52+73.63 CUR 199
340+99.10
296.47'
PRW209

PRW35

0.37 AC REMAINING

338+39.56
143.22'
PRW208

PC 48+97.66 CUR 199

PT 46+09.43 CUR 198
335+40
139.99'
PRW207

PC 331+75.15 CUR 50
PC 41+96.53
331+18.47
133.98'
PRW206

SPIEGELBERG RD
CURVE 198
CURVE NOTES

PI	44+03.19
N	770247.155
E	357025.845
∠	186°-20'-59"
Δ	6°-20'-59"
D	1°-32'-16"
T	206.66'
L	412.90'
R	3725.72'

FRACTIONAL SW-NW

26.87 AC REMAINING

SE-NW

34.10 AC REMAINING

SPIEGELBERG RD
CURVE 199
CURVE NOTES

PI	51+18.25
N	770410.632
E	356329.288
∠	255°-11'31"
Δ	75°-11'-31"
D	20°-00'-00"
T	200.59'
L	375.96'
R	286.48'
PC	48+97.66

STH 110
CURVE 50
CURVE NOTES

PI	362+32.781
N	770499.710
E	354127.677
∠	257°-21'-13"
Δ	77°-21'-13"
D	1°-30'-00"
T	3057.63'
L	5156.90'
R	3819.72'
PC	331+75.151
PT	383+32.054

GN

N 1°-38'-37" W S

PL

SLOPE INTERCEPTS

PROPOSED R/W

323+21.92
173.63'
PRW205

CTRS93 BERNSTEN MONUMENT
N 769960.233
E 358899.326

T 19 N, R 16 E, 19

MATCH LINE
SEE SHEET 4.13

KOLB RD (ALI 296)

NB STH 110 (ALI 100)

N 83°-08'-31" W R

N 83°-10'-00" W R

DB14

PI 22+34.25

N 88°-41'-47" W S

SPIEGELBERG RD EXISTING R/W

PT 21+90.27

DB13 SIX164 DB46

338+77.41
312.73'
RW119

338+00
310.00'
PRW605

335+50
260.00'
PRW604

328+50
210.00'
PRW502

330+57.07
207.75'
PRW603

PC 13+12.41

327+80
270.00'
PRW601

326+00
150.00'
PRW882

326+80
260.00'
PRW600

DB52

321+00
150.00'
PRW881

315+00
150.00'
PRW879

NE-SW

32.08 AC REMAINING

T 19 N, R 15 E, R 16 E, 24 19

BERNSTEN MONUMENT QTR92
N 770017.439
E 356385.273

NE-SE

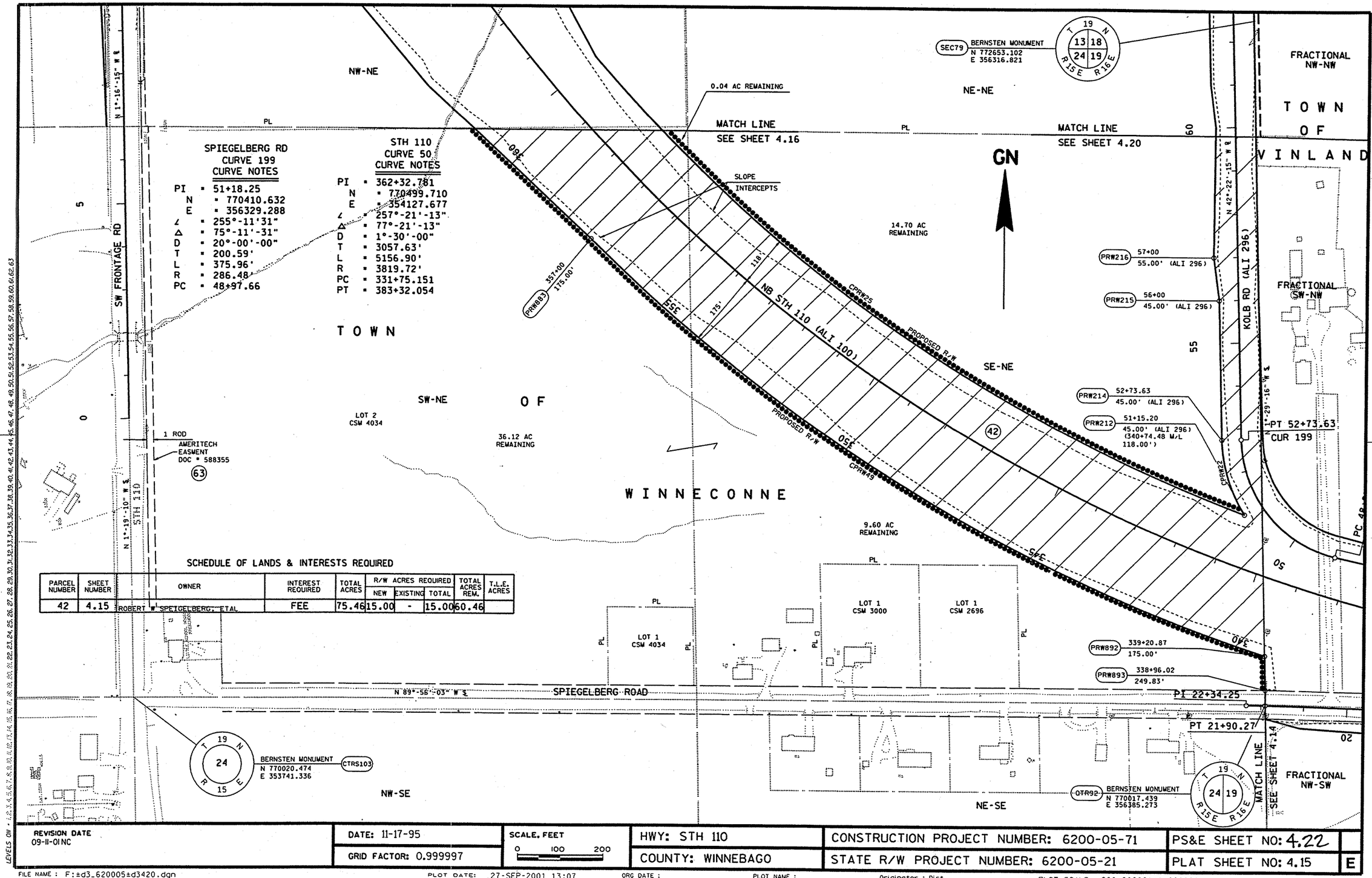
FRACTIONAL NW-SW

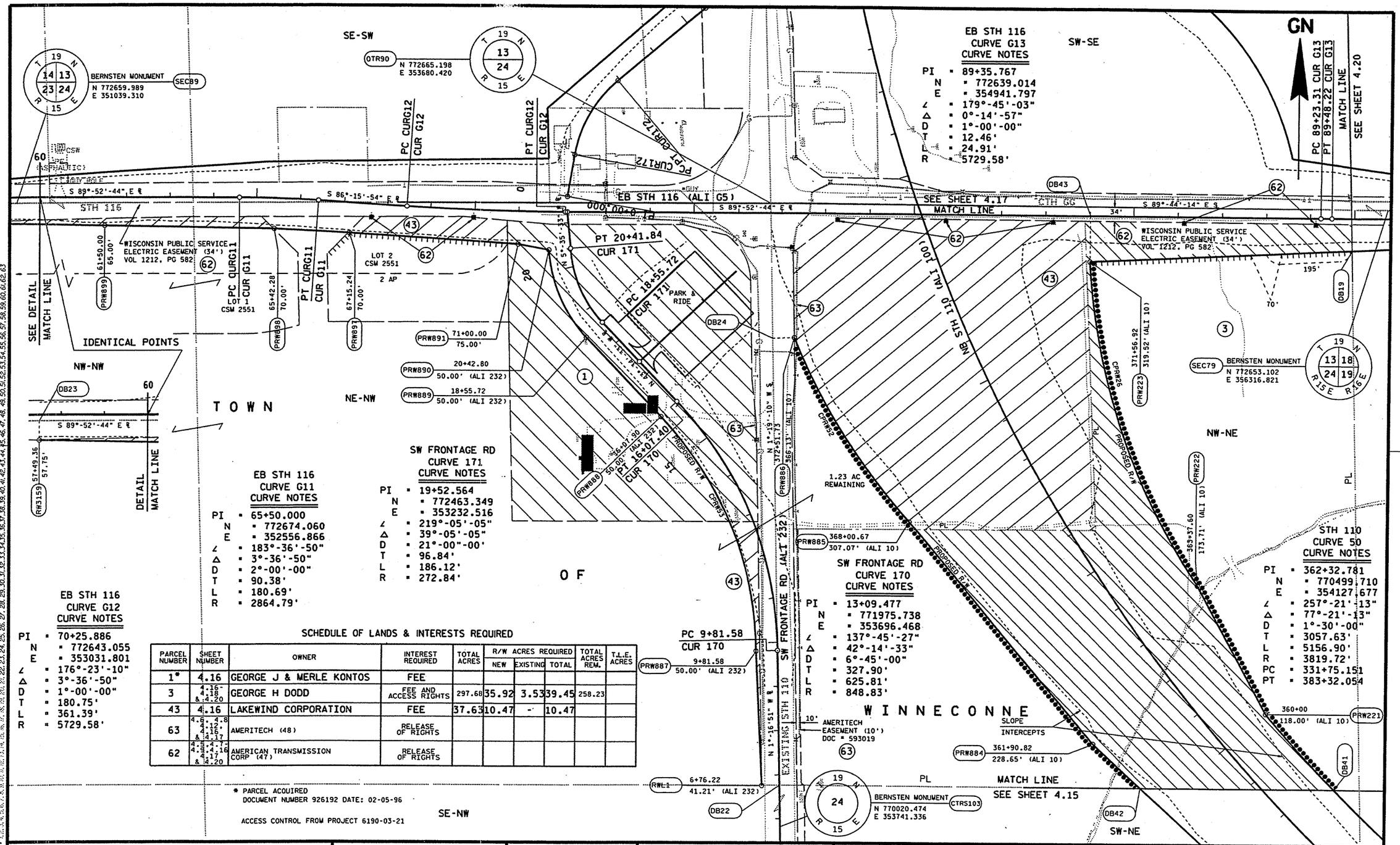
MATCH LINE
SEE SHEET 4.15

REVISION DATE 09-11-01 NC	DATE: 11-17-95	SCALE, FEET 0 100 200	HWY: STH 110	CONSTRUCTION PROJECT NUMBER: 6200-05-71	PS&E SHEET NO: 4.21
	GRID FACTOR: 0.999997		COUNTY: WINNEBAGO	STATE R/W PROJECT NUMBER: 6200-05-21	PLAT SHEET NO: 4.14 E

FILE NAME : F:±d3_620005±d3419.dgn PLOT DATE: 27-SEP-2001 13:07 ORG DATE : PLOT NAME : Originator : Dist PLOT SCALE : 200.606061:1.000000 WISDOT/CADDS SHEET 75

LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63


SPIEGELBERG RD
CURVE 199
CURVE NOTES
PI = 51+18.25
N = 770410.632
E = 356329.288
∠ = 255°-11'31"
Δ = 75°-11'-31"
D = 20°-00'-00"
T = 200.59'
L = 375.96'
R = 286.48'
PC = 48+97.66
STH 110
CURVE 50
CURVE NOTES
PI = 362+32.781
N = 770499.710
E = 354127.677
∠ = 257°-21'-13"
Δ = 77°-21'-13"
D = 1°-30'-00"
T = 3057.63'
L = 5156.90'
R = 3819.72'
PC = 331+75.151
PT = 383+32.054
SEC79 BERNSTEN MONUMENT
N 772653.102
E 356316.821
T 19 N
R 15 E
13 18
24 19
R 16 E
NW-NE
NE-NE
FRACTIONAL NW-NW
TOWN OF VINLAND
0.04 AC REMAINING
MATCH LINE
SEE SHEET 4.16
MATCH LINE
SEE SHEET 4.20
PL
SLOPE INTERCEPTS
14.70 AC REMAINING
GN
PRW216 57+00 55.00' (ALI 296)
PRW215 56+00 45.00' (ALI 296)
KOLB RD (ALI 296)
N 42°-22'-15" W
FRACTIONAL SW-NW
PRW214 52+73.63 45.00' (ALI 296)
PRW212 51+15.20 45.00' (ALI 296) (340+74.48 W/L 118.00')
PT 52+73.63
CUR 199
N 1°-29'-16" W
PC 49
PRW893 337+00 175.00'
NB STH 110 (ALI 100)
PROPOSED R/W
CPRW25
CPRW22
CPRW43
355
175'
118'
SW FRONTAGE RD
N 1°-16'-15" W
TOWN
SW-NE
OF
LOT 2 CSM 4034
36.12 AC REMAINING
SE-NE
1 ROD
AMERITECH EASEMENT
DOC • 588355
63
N 1°-19'-10" W
STH 110
WINNECONNE
9.60 AC REMAINING
SCHEDULE OF LANDS & INTERESTS REQUIRED
PARCEL NUMBER | SHEET NUMBER | OWNER | INTEREST REQUIRED | TOTAL ACRES | R/W ACRES REQUIRED NEW | EXISTING | TOTAL | TOTAL ACRES REM. | T.L.E. ACRES
42 | 4.15 | ROBERT W SPIEGELBERG, ETAL | FEE | 75.46 | 15.00 | - | 15.00 | 60.46 |
PL
LOT 1 CSM 4034
LOT 1 CSM 3000
LOT 1 CSM 2696
PRW892 339+20.87 175.00'
PRW893 338+96.02 249.83'
N 89°-56'-03" W
SPIEGELBERG ROAD
PI 22+34.25
PT 21+90.27
MATCH LINE
SEE SHEET 4.14
FRACTIONAL NW-SW
BERNSTEN MONUMENT
N 770020.474
E 353741.336
CTRS103
NW-SE
NE-SE
CTR92 BERNSTEN MONUMENT
N 770017.439
E 356385.273
REVISION DATE
09-11-01 NC
DATE: 11-17-95
GRID FACTOR: 0.999997
SCALE, FEET
0 100 200
HWY: STH 110
COUNTY: WINNEBAGO
CONSTRUCTION PROJECT NUMBER: 6200-05-71
STATE R/W PROJECT NUMBER: 6200-05-21
PS&E SHEET NO: 4.22
PLAT SHEET NO: 4.15
E
LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63
FILE NAME : F:±d3_620005±d3420.dgn
PLOT DATE: 27-SEP-2001 13:07
ORG DATE :
PLOT NAME :
Originator : Dist
PLOT SCALE : 200.606061:1.000000
WISDOT/CADDS SHEET 75



SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	SHEET NUMBER	OWNER	INTEREST REQUIRED	TOTAL ACRES	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TOTAL ACRES REM.	T.L.E. ACRES
1*	4.16	GEORGE J & MERLE KONTOS	FEE						
3	4.16-4.18 & 4.20	GEORGE H DODD	FEE AND ACCESS RIGHTS	297.68	35.92	3.53	39.45	258.23	
43	4.16	LAKEWIND CORPORATION	FEE	37.63	10.47	-	10.47		
63	4.6-4.8, 4.12, 4.16 & 4.17	AMERITECH (48)	RELEASE OF RIGHTS						
62	4.5-4.7, 4.9-4.16 & 4.17 & 4.20	AMERICAN TRANSMISSION CORP (47)	RELEASE OF RIGHTS						

* PARCEL ACQUIRED
DOCUMENT NUMBER 926192 DATE: 02-05-96

ACCESS CONTROL FROM PROJECT 6190-03-21

REVISION DATE 09-11-01 NC	DATE: 11-17-95	SCALE, FEET 0 100 200	HWY: STH 110	CONSTRUCTION PROJECT NUMBER: 6200-05-71	PS&E SHEET NO: 4.23
	GRID FACTOR: 0.999997		COUNTY: WINNEBAGO	STATE R/W PROJECT NUMBER: 6200-05-21	PLAT SHEET NO: 4.16 E

FILE NAME : F:±d3_620005±d3421.dgn PLOT DATE: 27-SEP-2001 13:07 ORG DATE : PLOT NAME : Originator : Dist PLOT SCALE : 200.606061:1.000000

WISDOT/CADDS SHEET 75

LEVELS ON : 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

NE-SW

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	SHEET NUMBER	OWNER	INTEREST REQUIRED	TOTAL ACRES	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TOTAL ACRES REM.	T.L.E. ACRES
3	4.16-4.18 & 4.20	GEORGE H DODD		SEE	SHEET	4.16			
**5	4.17	RAYMOND F & WENDY L SEBERO	FEE						
6	4.17	CLARENCE W & PHYLLIS M MEINEN	FEE	0.53	0.53	-	0.53		
44	4.17	DAVID A & SANDRA J PASCARELLA	FEE	1.00	1.00	-	1.00		
62	4.5-4.7 4.9-4.16 4.17 & 4.20	AMERICAN TRANSMISSION CORP (47)	RELEASE OF RIGHTS						
63	4.6-4.8 4.12-4.16 & 4.17	AMERITECH (48)	RELEASE OF RIGHTS						

**PARCEL ACQUIRED
DOCUMENT NUMBER 1054025 DATE: 04-13-99

T O W N

CUR174 CURVE NOTES
PI = 16+66.76
N = 773987.401
E = 353628.047
∠ = 175°-31'-38"
Δ = 4°-28'-22"
D = 4°-00'-00"
T = 55.94'
L = 111.82'
R = 1432+.39'
PC = 14+10.82
PT = 15+22.64

EB STH 116 CURVE G13 CURVE NOTES
PI = 89+35.767
N = 772639.014
E = 354941.797
∠ = 179°-45'-03"
Δ = 0°-14'-57"
D = 1°-00'-00"
T = 12.46'
L = 24.91'
R = 5729.58'

EB STH 116 CURVE G11 CURVE NOTES
PI = 65+50.000
N = 772674.060
E = 352556.866
∠ = 183°-36'-50"
Δ = 3°-36'-50"
D = 2°-00'-00"
T = 90.38'
L = 180.69'
R = 2864.79'

EB STH 116 CURVE G12 CURVE NOTES
PI = 70+25.886
N = 772643.055
E = 353031.801
∠ = 176°-23'-10"
Δ = 3°-36'-50"
D = 1°-00'-00"
T = 180.75'
L = 361.39'
R = 5729.58'

SE-SW

CUR172 CURVE NOTES
PI = 2+00.00
N = 772875.625
E = 353251.634
∠ = 220°-00'-00"
Δ = 40°-00'-00"
D = 20°-00'-00"
T = 104.27'
L = 200.00'
R = 286.50'
PC = 0+95.73
PT = 2+95.73

CUR173 CURVE NOTES
PI = 7+06.74
N = 773206.840
E = 353646.359
∠ = 120°-39'-22"
Δ = 51°-20'-38"
D = 18°-00'-00"
T = 153.00'
L = 285.24'
R = 318.31'
PC = 5+53.74
PT = 8+38.98

MATCH LINE SEE SHEET 4.16

MATCH LINE SEE SHEET 4.18

MATCH LINE SEE SHEET 4.20

MATCH LINE SEE SHEET 4.16

PARCELS TO BE ACQUIRED UNDER PROJECT 6200-05-23

EXISTING R/W ACQUIRED UNDER PROJECTS 6200-05-22, 6190-03-21/F0108 (7), T0306 (5)

NW FRONTAGE RD (ALI 233)

NE FRONTAGE RD (ALI 234)

NB STH 110 (ALI 100)

CTH GG (ALI G5)

STH 116

W I N N E B A G O

NW-SE

SW-SE

NE-NW

NW-NE

N 775294.731 E 353598.371 CTRS77

N 772659.989 E 351039.310 SEC89

N 772665.198 E 353680.420 QTR90

DOC # 1054025 4-13-99

DOC # 1103394 8-15-00

SLOPE INTERCEPTS

ACCESS CONTROL FROM PROJECT 6190-03-21

STH 110 CURVE 50 CURVE NOTES
PI = 362+32.781
N = 770499.710
E = 354127.677
∠ = 257°-21'-13"
Δ = 77°-21'-13"
D = 1°-30'-00"
T = 3057.63'
L = 5156.90'
R = 3819.72'
PC = 331+75.151
PT = 383+32.054

NE FRONTAGE RD CURVE 181 CURVE NOTES
PI = 11+93.526
N = 773477.144
E = 353958.374
∠ = 229°-13'-55"
Δ = 49°-13'-55"
D = 6°-45'-00"
T = 388.91'
L = 729.36'
R = 848.83'

NE FRONTAGE RD CURVE 180 CURVE NOTES
PI = 3+00.000
N = 772970.799
E = 354727.857
∠ = 133°-20'-46"
Δ = 46°-39'-14"
D = 10°-00'-00"
T = 247.07'
L = 466.54'
R = 572.96'

PC 8+04.62 CUR 181 (PRW779) 8+04.62 100.00' (ALI 234)

15+33.98 100.00' (ALI 234) PRW780

PT 15+33.98 CUR 181

PT 383+32.05 CUR 50

5+19.46 100.00' (ALI 234) PRW778

PT 5+19.46 CUR 180 (PRW777) 0+78.40 100.00' (ALI 234)

PC 0+52.93 CUR 180

PC 89+23.31 CUR G13
PT 89+48.22 CUR G13

PT 20+41.84

PC 18+55.72

PT CUR174

PC CUR174

PT CUR173

PC CUR173

PC CURG12

PT CURG12

PC CURG11

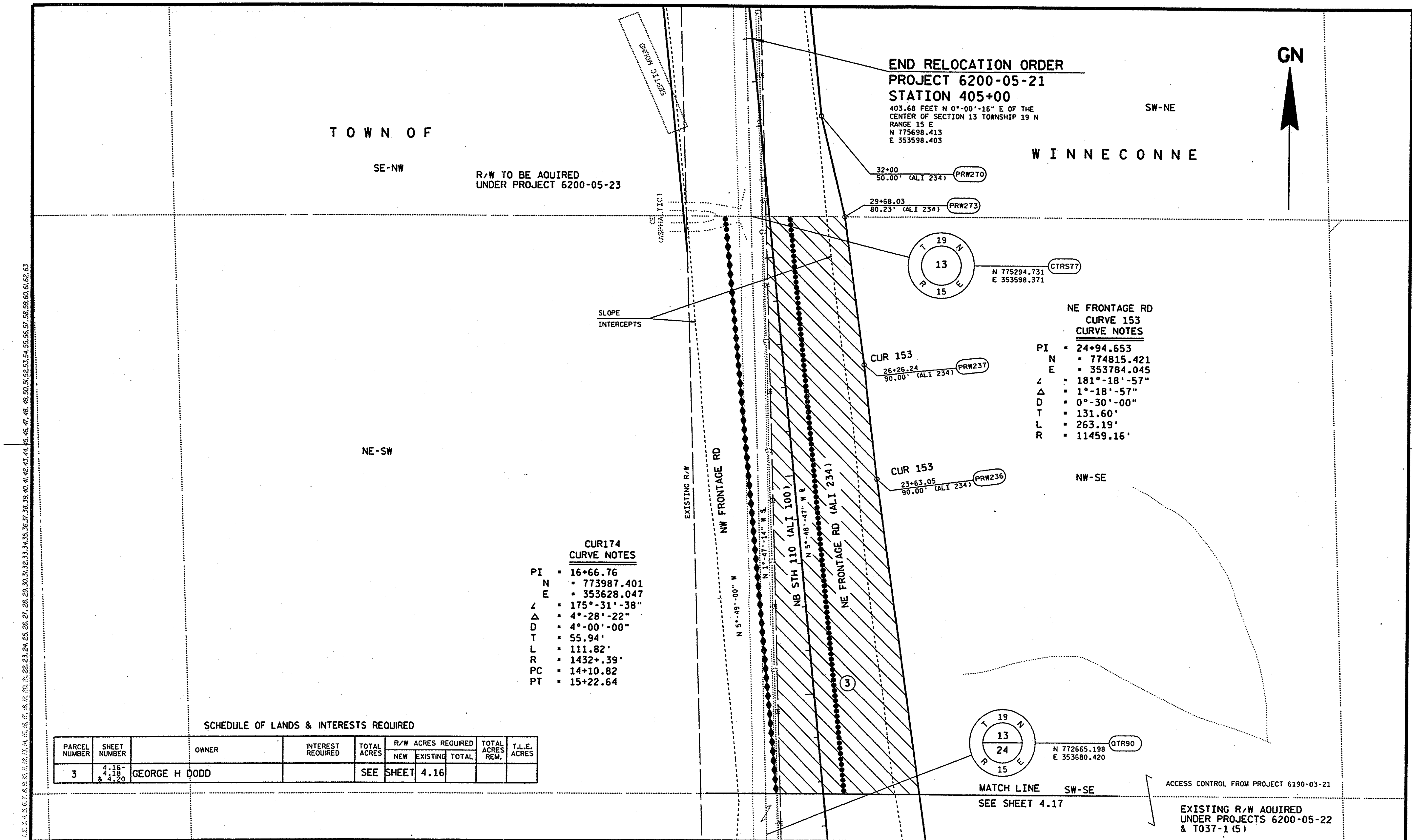
PT CURG11

EXISTING R/W

REVISION DATE 09-11-01	DATE: 11-17-95	SCALE, FEET 0 100 200	HWY: STH 110	CONSTRUCTION PROJECT NUMBER: 6200-05-71	PS&E SHEET NO: 4.24	
	GRID FACTOR: 0.999997		COUNTY: WINNEBAGO	STATE R/W PROJECT NUMBER: 6200-05-21	PLAT SHEET NO: 4.17	E

FILE NAME : F:±d3_620005±d3423.dgn PLOT DATE: 27-SEP-2001 13:07 ORG DATE : PLOT NAME : Originator : Dist PLOT SCALE : 200.606061:1.000000 WISDOT/CADDS SHEET 75

LEVELS ON - 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63



TOWN OF
WINNECONNE
SE-NW
SW-NE
NE-SW
NW-SE
SW-SE
GN
R/W TO BE AQUIRED
UNDER PROJECT 6200-05-23
SEPTIC MOUND
(ASPHALTIC)
END RELOCATION ORDER
PROJECT 6200-05-21
STATION 405+00
403.68 FEET N 0°-00'-16" E OF THE
CENTER OF SECTION 13 TOWNSHIP 19 N
RANGE 15 E
N 775698.413
E 353598.403
32+00
50.00' (ALI 234) PRW270
29+68.03
80.23' (ALI 234) PRW273
T 19 N 13 R 15 E
N 775294.731
E 353598.371
CTRS77
SLOPE
INTERCEPTS
CUR 153
26+26.24
90.00' (ALI 234) PRW237
CUR 153
23+63.05
90.00' (ALI 234) PRW236
NE FRONTAGE RD
CURVE 153
CURVE NOTES
PI = 24+94.653
N = 774815.421
E = 353784.045
∠ = 181°-18'-57"
Δ = 1°-18'-57"
D = 0°-30'-00"
T = 131.60'
L = 263.19'
R = 11459.16'
EXISTING R/W
NW FRONTAGE RD
N 5°-49'-00" W
N 1°-47'-14" W
NB STH 110 (ALI 100)
N 5°-48'-47" W
NE FRONTAGE RD (ALI 234)
3
CUR174
CURVE NOTES
PI = 16+66.76
N = 773987.401
E = 353628.047
∠ = 175°-31'-38"
Δ = 4°-28'-22"
D = 4°-00'-00"
T = 55.94'
L = 111.82'
R = 1432+.39'
PC = 14+10.82
PT = 15+22.64
T 19 N 13 24 R 15 E
N 772665.198
E 353680.420
QTR90
MATCH LINE
SEE SHEET 4.17
ACCESS CONTROL FROM PROJECT 6190-03-21
EXISTING R/W AQUIRED
UNDER PROJECTS 6200-05-22
& T037-1(5)
LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	SHEET NUMBER	OWNER	INTEREST REQUIRED	TOTAL ACRES	R/W ACRES REQUIRED			TOTAL ACRES REM.	T.L.E. ACRES
					NEW	EXISTING	TOTAL		
3	4.16-4.18 & 4.20	GEORGE H DODD		SEE	SHEET	4.16			

REVISION DATE 09-11-01	DATE: 11-17-95	SCALE, FEET 0 100 200	HWY: STH 110	CONSTRUCTION PROJECT NUMBER: 6200-05-71	PS&E SHEET NO: 4.25
	GRID FACTOR: 0.999997		COUNTY: WINNEBAGO	STATE R/W PROJECT NUMBER: 6200-05-21	PLAT SHEET NO: 4.18 E

FILE NAME : F:±d3_620005±d3424.dgn PLOT DATE: 27-SEP-2001 13:07 ORG DATE : PLOT NAME : Originator : Dist PLOT SCALE : 200.606061:1.000000 WISDOT/CADDS SHEET 75

SE-SE

SEC137 BERNSTEN MON
N 762252.976
E 372245.399

T 19 N
R 16 E
28 27
33 34

CTH Y

TOWN

N 1°-01'-21" W

PI 49+33.13

O F

CTH T (ALT 100)

NE-NE

NW-NW

PRW829 46+75 21.39'

PRW820 46+00 45.00'

45+03.83 44.60' TLE12

TLE FOR SLOPING

44+03.82 49.50' TLE10

42+20 75.00' PRW728

DRAIN TILE EASEMENT
VOL 1061, PG 576-579

41+97.51 49.60'

41+63.67 57.46'

41+63.83 69.46'

PT 41+84.44
CUR T3

MATCH LINE
SEE SHEET 4.6

TLE FOR DRIVEWAY

PRW819 41+50 75.00'

41+40.04 70.05'

41+39.85 63.61'

OSHKOSH

45

40

EAST BOUND CTH T
CURVE T3
CURVE NOTES

PI	=	33+99.60
N	=	759603.109
E	=	372281.154
∠	=	90°-31'-50"
Δ	=	89°-28'-10"
D	=	4°-00'-00"
T	=	1362.42'
L	=	2147.26'
R	=	1375.10'
PC	=	20+37.18
PT	=	41+84.44

T 19 N
R 16 E
33 34

ALUM CAP W/X
N 759584.983
E 372293.012
QTR150

GN

SCHEDULE OF LANDS & INTERESTS REQUIRED

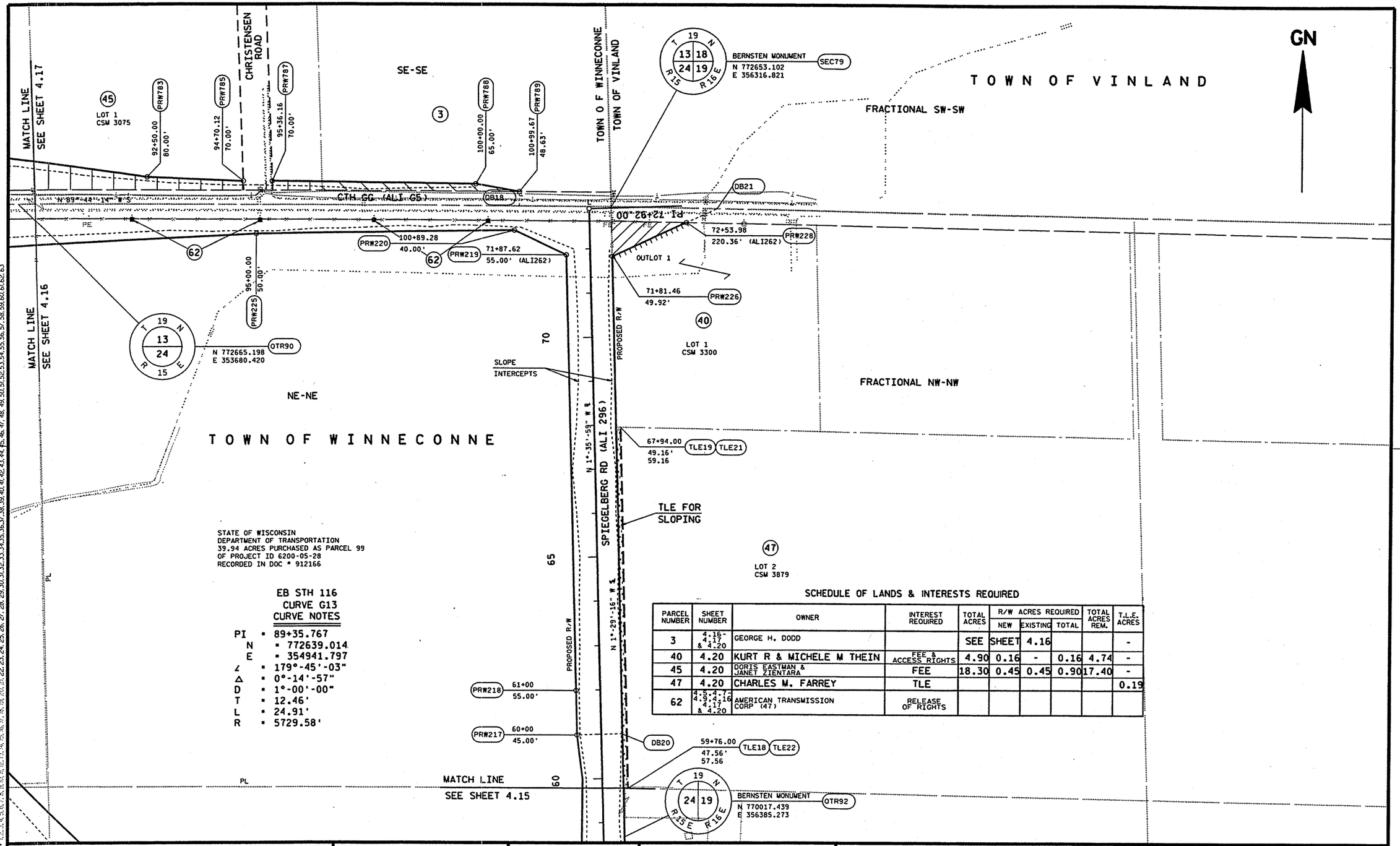
PARCEL NUMBER	SHEET NUMBER	OWNER	INTEREST REQUIRED	TOTAL ACRES	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TOTAL ACRES REM.	T.L.E. ACRES
12	4.4-4.7 & 4.19	GRUNDY ENTERPRISES INC (LC)		SEE	SHEET	4.4			
13	4.19	MARGARET L. OUAST	FEE & TLE	0.54	0.02	0.08	0.10	0.44	0.008
14	4.19	LINDA S. GRAF	TLE						0.005
15	4.19	HENRY G. BARGENQUAST	TLE						0.01
32	4.8-4.9 & 4.19	GRUNDY FARMS, INC		SEE	SHEET	4.8			

REVISION DATE 09-11-01NC	DATE: 11-17-95	SCALE, FEET 0 100 200	HWY: STH 110	CONSTRUCTION PROJECT NUMBER: 6200-05-71	PS&E SHEET NO: 4.26
	GRID FACTOR: 0.999997		COUNTY: WINNEBAGO	STATE R/W PROJECT NUMBER: 6200-05-21	PLAT SHEET NO: 4.19 E

FILE NAME : f:±d3_620005±d3431.dgn PLOT DATE: 27-SEP-2001 13:07 ORG DATE : PLOT NAME : Originator : Dist PLOT SCALE : 200.606061:1.000000

WISDOT/CADDS SHEET 75

LEVELS ON : 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63



SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	SHEET NUMBER	OWNER	INTEREST REQUIRED	TOTAL ACRES	R/W ACRES REQUIRED			TOTAL ACRES REM.	T.L.E. ACRES
					NEW	EXISTING	TOTAL		
3	4.16-4.17 & 4.20	GEORGE H. DODD		SEE	SHEET	4.16			-
40	4.20	KURT R & MICHELE M THEIN	FEE & ACCESS RIGHTS	4.90	0.16	-	0.16	4.74	-
45	4.20	DORIS EASTMAN & JANET ZIENTARA	FEE	18.30	0.45	0.45	0.90	17.40	-
47	4.20	CHARLES M. FARREY	TLE						0.19
62	4.5-4.7 4.9-4.16 4.17 & 4.20	AMERICAN TRANSMISSION CORP (47)	RELEASE OF RIGHTS						

REVISION DATE 09-11-01 NC	DATE: 11-17-95	SCALE, FEET 0 100 200	HWY: STH 110	CONSTRUCTION PROJECT NUMBER: 6200-05-71	PS&E SHEET NO: 4.27
	GRID FACTOR: 0.999997		COUNTY: WINNEBAGO	STATE R/W PROJECT NUMBER: 6200-05-21	PLAT SHEET NO: 4.20 E

FILE NAME : F:±d3_620005±d3422.dgn PLOT DATE: 27-SEP-2001 13:07 ORG DATE : PLOT NAME : Originator : Dist PLOT SCALE : 200.606061:1.000000 WISDOT/CADDS SHEET 75

LEVELS ON - 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

Parcel 2 (DB2)

	DISTANCE FEET	BEARING	GROUND COORDINATES	
OTR122			N 764726.323 E	366917.467
	76.02'	N 1°25'32" W		
DB3			N 764802.322 E	366915.576
	3196.35'	N 56°26'28" W		
DB4			N 766569.243 E	364251.996
	395.60'	S 1°12'07" E		
DB1			N 766173.732 E	364260.294
	3068.98'	S 56°26'28" E		
PRW37 - PC DB1			N 764477.219 E	366817.736
ARC - 129.81'				
L.C. - 129.81'				
L.C.B. - S 56°06'42" E				
R. - 11284.16'				
PT DB1 - DB2			N 764404.838 E	366925.497
	321.59'	N 1°25'51" W		
OTR122			N 764726.323 E	366917.467

Parcel 3 Section 13 (DB3)

	DISTANCE FEET	BEARING	GROUND COORDINATES	
OTR90			N 772665.198 E	353680.420
	2425.65'	S 89°44'14" E		
DB18			N 772654.069 E	356106.043
	32.86'	N 0°05'44" E		
PRW789			N 772686.928 E	356106.098
	101.01'	N 80°11'20" W		
PRW788			N 772704.139 E	356006.568
	464.58'	N 89°13'59" W		
PRW787			N 772710.358 E	355542.031
	66.04'	S 89°52'08" W		
PRW785			N 772710.207 E	355475.989
	220.34'	N 87°31'36" W		
PRW783			N 772719.716 E	355255.851
	396.22'	N 82°05'56" W		
PC RWR1-PRW777			N 772774.180 E	354863.394
ARC - 518.04'				
L.C. - 505.35'				
L.C.B. - N 34°36'01" W				
R. - 672.96'				
PT RWR1			N 773190.148 E	354576.434
	285.16'	N 56°39'14" W		
PC RWR2			N 773346.900 E	354338.222
ARC - 643.43'				
L.C. - 623.82'				
L.C.B. - N 32°02'15" W				
R. - 748.83'				
PT RWR2			N 773875.714 E	354007.300
	829.13'	N 8°06'46" W		
PC PRW50			N 774696.546 E	353890.291
ARC - 261.13'				
L.C. - 261.12'				
L.C.B. - N 6°45'50" W				
R. - 11369.16'				
PT PRW50			N 774955.850 E	353859.537
	341.92'	N 7°44'34" W		
AR1			N 775294.656 E	353813.471
	215.10'	N 89°58'48" W		
CTRS77			N 775294.731 E	353598.371
	2630.81'	S 1°47'14" E		
OTR90			N 772665.198 E	353680.420

Parcel 3 Section 24 (DB3D1)

	DISTANCE FEET	BEARING	GROUND COORDINATES	
OTR90			N 772665.198 E	353680.420
	1318.21'	S 89°44'14" E		
SIX31			N 772659.150 E	354998.620
	93.78	S 1°24'12" E		
DB19			N 772565.400 E	355000.917
	594.93'	S 87°10'53" W		
PC DB7-PRW223			N 772536.146 E	354406.709
ARC - 787.69'				
L.C. - 778.58'				
L.C.B. - S 18°51'14" E				
R. - 1492.02'				
PT DB7-PRW222			N 771799.345 E	354658.310
	329.33'	S 28°32'00" E		
PC DB6-PRW221			N 771510.011 E	354815.624
ARC - 232.14'				
L.C. - 232.10'				
L.C.B. - S 42°35'26" E				
R. - 3701.72'				
PT DB6-DB41			N 771339.137 E	354972.699
	439.05'	N 89°50'21" W		
DB42			N 771340.368 E	354533.654
	147.38'	N 47°31'54" W		
PRW884			N 771439.877 E	354424.939
	656.60'	N 40°11'43" W		
PC PRW52-PRW886			N 771941.417 E	354001.174
ARC - 496.42'				
L.C. - 494.06'				
L.C.B. - N 32°15'18" W				
R. - 1468.14'				
PT PRW52-PRW886			N 772359.231 E	353737.500
	50.02'	S 88°40'50" W		
DB24			N 772358.080 E	353687.494
	307.20'	N 1°19'10" W		
OTR90			N 772665.198 E	353680.420

Parcel 4 (DB4) Sec. 29

	DISTANCE FEET	BEARING	GROUND COORDINATES	
OTR122			N 764726.323 E	366917.467
	76.02'	N 1°25'32" W		
DB3			N 764802.322 E	366915.576
	3196.35'	N 56°26'28" W		
DB4			N 766569.243 E	364251.996
	365.17'	S 1°12'07" E		
DB7			N 766204.156 E	364259.656
	2734.34'	S 56°26'28" E		
PRW805			N 764692.632 E	366538.233
	482.49'	S 53°22'56" E		
DB2			N 764404.838 E	366925.497
	321.59'	N 1°25'51" W		
OTR122			N 764726.323 E	366917.467

Parcel 4 (DB4S1) Sec. 28

	DISTANCE FEET	BEARING	GROUND COORDINATES	
OTR122			N 764726.323 E	366917.467
	76.02'	N 1°25'32" W		
DB3			N 764802.322 E	366915.576
	318.34'	S 56°26'28" E		
PC PRW43			N 764626.346 E	367180.855
ARC - 1157.56'				
L.C. - 1157.08'				
L.C.B. - S 53°35'05" E				
R. - 11609.16'				
PT PRW43-PRW833			N 763939.463 E	368111.998
	940.36'	S 27°59'42" E		
PRW802-PC DB8			N 763109.132 E	368553.398
ARC - 1992.82'				
L.C. - 1990.23'				
L.C.B. - N 51°22'47" W				
R. - 11279.16'				
PT DB8			N 764351.351 E	366998.433
	90.45'	N 53°44'45" W		
DB2			N 764404.838 E	366925.497
	321.59'	N 1°25'51" W		
OTR122			N 764726.323 E	366917.467

Parcel 10 (DB10)

	DISTANCE FEET	BEARING	GROUND COORDINATES	
OTR150			N 759584.983 E	372293.012
	480.74'	S 0°56'32" E		
DB72			N 759104.303 E	372300.916
	50.83'	S 61°57'26" E		
PC DB12			N 759080.404 E	372345.783
ARC - 334.55'				
L.C. - 334.25'				
L.C.B. - S 57°46'31" E				
R. - 2291.83'				
PT CDB12-DB51			N 758902.167 E	372628.547
	53.51'	N 36°43'50" E		
PRW720			N 758945.055 E	372660.550
	160.92'	N 52°50'06" W		
PC PRW16			N 759042.271 E	372532.309
ARC - 417.91'				
L.C. - 403.52'				
L.C.B. - N 27°05'21" W				
R. - 457.30'				
PT PRW16			N 759401.524 E	372348.557
	161.09'	N 1°56'17" E		
PRW723			N 759562.525 E	372354.005
	402.00'	N 4°48'07" E		
PRW724			N 759963.109 E	372387.657
	134.78'	N 11°57'09" E		
PRW725-PC PRW32			N 760094.964 E	372415.570
ARC - 249.56'				
L.C. - 245.59'				
L.C.B. - N 19°52'39" W				
R. - 402.84'				
PT PRW32-PRW726			N 760325.920 E	372332.068
	551.71'	N 0°08'55" W		
PRW727			N 760877.631 E	372330.636
	127.59'	N 13°33'16" W		
PRW728			N 761001.663 E	372300.734
	33.00'	S 88°58'39" W		
DB71			N 761001.075 E	372267.740
	1416.32'	S 1°01'21" E		
OTR150			N 759584.983 E	372293.012

Parcel 12 IN SEC. 34 (DB12A2)

	DISTANCE FEET	BEARING	GROUND COORDINATES	
SEC763			N 756926.273 E	372336.732
	1219.18'	N 88°24'33" E		
DB39			N 756960.119 E	373555.439
	353.31'	N 88°24'33" E		
DB40-PC DB10			N 756969.928 E	373908.608
ARC - 145.03'				
L.C. - 144.98'				
L.C.B. - N 25°39'50" W				
R. - 1637.02'				
PT DB10			N 757100.609 E	373845.817
	825.07'	N 28°12'07" W		
CL3642			N 757827.733 E	373455.906
	355.08'	N 28°12'02" W		
PC CL90			N 758140.668 E	373288.108
ARC - 1350.26'				
L.C. - 1330.82'				
L.C.B. - N 45°04'44" W				
R. - 2291.83'				
PT CL90			N 759080.404 E	372345.783
	50.83'	N 61°57'26" W		
DB72			N 759104.303 E	372300.916
	413.22'	S 0°56'32" E		
DB78			N 758691.138 E	372307.710
	813.53'	S 42°05'49" E		
PC DB11			N 758087.493 E	372853.089
ARC - 1334.83'				
L.C. - 1328.26'				
L.C.B. - S 31°55'22" E				
R. - 3879.72'				
PT DB11-DB39			N 756960.119 E	373555.439

REVISION DATE	DATE	NOT TO SCALE	HWY: STH 110	CONSTRUCTION PROJECT NUMBER 6200-05-71	PS&E SHEET NO: 4.28	
			COUNTY: WINNEBAGO	STATE R/W PROJECT NUMBER 6200-05-21	PS&E SHEET NO: 4.21	E

Parcel 12 E1/2-NE1/4 SEC. 33 (DB12B)

	DISTANCE FEET	BEARING	GROUND COORDINATES	
OTR150			N 759584.983 E	372293.012
	1871.32'	N 1°01'21" W		
DB44			N 761456.001 E	372259.622
	33.00'	S 88°58'39" W		
PRW829			N 761455.413 E	372226.628
	78.63'	S 16°26'53" W		
PRW820			N 761380.002 E	372204.365
	449.15'	S 2°51'26" W		
PRW819			N 760931.412 E	372181.976
	188.76'	S 12°10'03" W		
PRW818			N 760746.890 E	372142.191
	230.72'	S 21°23'32" W		
PRW808			N 760532.065 E	372058.036
	400.32'	S 39°11'15" W		
PRW809			N 760221.782 E	371805.088
	86.00'	S 65°26'56" W		
PRW810			N 760186.046 E	371726.859
	323.11'	N 62°08'53" W		
PRW811			N 760337.000 E	371441.179
	401.53'	N 45°20'50" W		
PRW812			N 760619.197 E	371155.540
	312.92'	N 38°42'36" W		
DB56			N 760863.376 E	370959.846
	530.40'	S 1°16'32" E		
DB57			N 760333.112 E	370971.653
	51.22'	S 35°09'08" E		
PRW752			N 760291.231 E	371001.145
	261.01'	S 23°38'50" E		
PRW751			N 760052.140 E	371105.836
	283.37'	S 13°24'35" E		
PRW750•PC DB9			N 759776.491 E	371171.554
ARC = 120.43'				
L.C. = 120.38'				
L.C.B. = S 58°28'14.06" E				
R. = 1145.92'				
PT DB9			N 759713.540 E	371274.162
	314.80'	S 61°57'26" E		
DB33			N 759565.542 E	371552.004
	741.26'	N 88°29'50" E		
OTR150			N 759584.983 E	372293.012

Parcel 12 SEC. 33 (DB12C1)

	DISTANCE FEET	BEARING	GROUND COORDINATES	
OTR136			N 762185.032 E	369613.923
	447.53'	S 87°52'49" W		
DB45			N 762168.479 E	369166.696
	213.94'	S 27°59'42" E		
DB46			N 761979.571 E	369267.119
	228.87'	S 46°38'46" E		
PRW757			N 761822.451 E	369433.536
	223.77'	S 48°11'29" W		
PRW756			N 761971.629 E	369600.333
	638.55'	N 43°27'46" W		
PRW755			N 761508.159 E	370039.578
	600.02'	N 39°52'09" W		
PRW754			N 761047.637 E	370424.213
	24.05'	N 40°20'48" W		
L58			N 761029.310 E	370439.781
	379.30'	S 88°30'33" W		
L62			N 761039.178 E	370818.952
	162.07'	N 38°42'36" W		
PRW813			N 761165.645 E	370717.596
	105.30'	N 58°36'33" W		
PRW2836			N 761220.495 E	370627.705
	100.72'	N 47°11'22" W		
PRW2843			N 761288.940 E	370553.819
	300.04'	N 39°23'30" W		
PRW2840			N 761520.820 E	370363.406
	300.38'	N 37°29'03" W		
PRW2841			N 761759.174 E	370180.616
	117.74'	N 8°29'20" W		
PRW2842			N 761875.620 E	370163.236
	300.28'	N 37°53'33" W		
PRW815			N 762112.586 E	369978.812
	379.72'	N 81°07'52" E		
PRW817			N 762171.129 E	370353.991
	33.00'	N 1°49'45" W		
DB30			N 762204.113 E	370352.938
	739.26'	S 88°31'15" W		
OTR136			N 762185.032 E	369613.923

Parcel 12 Section 33 (DB12D2)

	DISTANCE FEET	BEARING	GROUND COORDINATES	
OTR150			N 759584.983 E	372293.012
	560.37'	S 0°56'32" E		
DB38			N 759024.690 E	372302.225
	333.60'	S 0°56'32" E		
DB78			N 758691.138 E	372307.710
	211.50'	N 42°05'49" W		
PRW311•PC PRW60			N 758848.074 E	372165.922
ARC = 573.08'				
L.C. = 561.53'				
L.C.B. = N 62°04'57" W				
R. = 821.47'				
PT PRW60•PRW312			N 759110.982 E	371669.742
	500.95'	N 84°20'33" W		
DB59			N 759160.367 E	371171.233
	441.40'	N 27°59'42" W		
DB79			N 759550.116 E	370964.044
	244.75'	N 88°29'50" E		
DB80			N 759556.535 E	371208.711
	88.87'	S 1°30'10" E		
PRW333			N 759467.695 E	371211.042
	178.62'	N 87°52'13" W		
PRW334•PC PRW36			N 759474.333 E	371032.546
ARC = 233.04'				
L.C. = 218.38'				
L.C.B. = S 46°31'34.04" E				
R. = 187.84'				
PT PRW36•PRW336			N 759324.084 E	371191.020
	157.41'	S 67°20'48" E		
PRW337			N 759263.457 E	371336.285
	73.60'	S 31°31'03" E		
RW155			N 759200.719 E	371374.757
	944.03'	S 79°15'12" E		
DB38			N 759024.690 E	372302.225

Parcel 13 (DB13)

	DISTANCE FEET	BEARING	GROUND COORDINATES	
OTR150			N 759584.983 E	372293.012
	1291.77'	N 1°01'21" W		
DB74			N 760876.548 E	372269.963
	60.68'	N 88°58'39" E		
PRW727			N 760877.631 E	372330.636
	127.59'	N 13°33'16" W		
PRW728			N 761001.663 E	372300.734
	33.00'	S 88°58'39" W		
DB71			N 761001.075 E	372267.740
	124.55'	S 1°01'21" E		
DB74			N 760876.548 E	372269.963

Parcels 18-22 (DB18)

	DISTANCE FEET	BEARING	GROUND COORDINATES	
OTR150			N 759584.983 E	372293.012
	1262.93'	S 88°29'50" W		
DB35			N 759551.860 E	371030.512
	77.55'	S 1°30'10" E		
PRW334			N 759474.333 E	371032.546
	178.62'	S 87°52'13" E		
PRW333			N 759467.695 E	371211.042
	71.85'	N 81°46'15" E		
PRW332			N 759477.979 E	371282.156
	45.90'	N 78°51'22" E		
PRW331			N 759486.850 E	371327.188
	102.25'	S 59°02'22" E		
PRW330			N 759434.246 E	371414.871
	137.30'	S 71°34'35" E		
PRW335			N 759390.856 E	371545.129
	172.79'	S 61°44'59" E		
PRW329			N 759309.068 E	371697.342
	182.44'	S 68°08'30" E		
PRW328			N 759241.144 E	371866.665
	166.73'	S 55°37'32" E		
PRW327			N 759147.011 E	372004.274
	362.64'	S 55°37'32" E		
DB37			N 758942.267 E	372303.581
	642.80'	N 0°56'32" W		
OTR150			N 759584.983 E	372293.012

Parcel 23 (DB23)

	DISTANCE FEET	BEARING	GROUND COORDINATES	
OTR150			N 759584.983 E	372293.012
	1262.93'	S 88°29'50" W		
DB35			N 759551.860 E	371030.512
	77.55'	S 1°30'10" E		
PRW334•PC PRW36			N 759474.333 E	371032.546
ARC = 233.04'				
L.C. = 218.38'				
L.C.B. = S 46°31'34" E				
R. = 187.84'				
PT PRW36•PRW336			N 759324.084 E	371191.020
	157.41'	S 67°20'48" E		
PRW337			N 759263.457 E	371336.285
	118.86'	S 5°39'27" W		
DB53			N 759145.177 E	371324.567
	157.08'	N 84°20'33" W		
PRW313•PC PRW39			N 759160.662 E	371168.250
ARC = 476.54'				
L.C. = 441.14'				
L.C.B. = N 43°22'34" W				
R. = 352.84'				
PT PRW39•PRW317			N 759481.308 E	370865.283
	392.14'	N 87°40'21" W		
RW3150			N 759497.235 E	370473.465
	44.69'	N 27°59'42" W		
DB66			N 759536.695 E	370452.487
	578.22'	N 88°29'50" E		
DB35			N 759551.860 E	371030.512

Parcel 24 Sec. 33 (DB24)

	DISTANCE FEET	BEARING	GROUND COORDINATES	
OTR150			N 759584.983 E	372293.012
	1841.16'	S 88°29'50" W		
DB66			N 759536.695 E	370452.487
	107.02'	N 27°59'42" W		
DB65			N 759631.193 E	370402.253
	109.92'	N 86°32'08" E		
DB67			N 759637.835 E	370511.974
	164.56'	S 27°59'42" E		
DB68			N 759492.530 E	370589.217
	115.85'	N 87°40'21" W		
RW3150			N 759497.235 E	370473.465
	44.69'	N 27°59'42" W		
DB66			N 759536.695 E	370452.487

Parcel 24 Sec. 28 (DB24B1)

	DISTANCE FEET	BEARING	GROUND COORDINATES	
OTR136			N 762185.032 E	369613.923
	447.53'	S 87°52'49" W		
DB45			N 762168.479 E	369166.696
	800.87'	N 27°59'42" W		
PRW801			N 762875.638 E	368790.774
	1115.02'	N 27°59'42" W		
PRW828			N 763860.192 E	368267.390
	174.44'	N 62°58'20" W		
PRW833			N 763939.463 E	368111.998
	940.36'	S 27°59'42" E		
PRW802			N 763109.132 E	368553.398
	332.97'	S 45°28'20" E		
PRW801			N 762875.638 E	368790.774

Parcel 26 (DB26)

	DISTANCE FEET	BEARING	GROUND COORDINATES	
OTR150			N 759584.983 E	372293.012
	1841.16'	S 88°29'50" W		
DB66			N 759536.695 E	370452.487
	767.62'	S 88°29'50" W		
CTRS149			N 759516.564 E	369685.135
	33.00'	N 1°31'43" W		
PRW318			N 759549.552 E	369684.255
	199.14'	N 81°47'52" E		
PRW319			N 759577.963 E	369881.356
	200.06'	N 87°00'45" E		
PRW320			N 759588.389 E	370081.147
	202.24'	N 79°54'50" E		
PRW321			N 759623.807 E	370280.259
	122.22'	N 86°32'08" E		
DB65			N 759631.193 E	370402.253
	107.02'	S 27°59'42" E		
DB66			N 759536.695 E	370452.487

REVISION DATE	DATE	NOT TO SCALE	HWY: STH 110	CONSTRUCTION PROJECT NUMBER 6200-05-71	PS&E SHEET NO: 4.29	
			COUNTY: WINNEBAGO	STATE R/W PROJECT NUMBER 6200-05-21	PS&E SHEET NO: 4.22	E

Parcels 27, 28 & 29 (DB27)

	DISTANCE FEET	BEARING		GROUND COORDINATES	
OTR150			N	759584.983 E	372293.012
	741.26'	S 88°29'50" W			
DB33			N	759565.542 E	371552.004
	988.16'	S 88°29'50" W			
DB64			N	759539.626 E	370564.181
	111.22'	N 27°59'42" W			
DB67			N	759637.835 E	370511.974
	68.03'	N 86°32'08" E			
PRW322			N	759641.946 E	370579.877
	296.06'	N 83°36'03" E			
PRW323			N	759674.944 E	370874.089
	79.26'	N 6°24'21" E			
PRW324•PC PRW19			N	759753.711 E	370882.933
ARC • 283.85'					
L.C. • 279.54'					
L.C.B. • N 19°13'05" W					
R. • 468.87'					
PT PRW19•PRW325			N	760017.669 E	370790.919
	279.92'	N 35°32'16" W			
PRW326			N	760245.446 E	370628.220
	100.62'	N 30°11'41" W			
PRW339			N	760332.414 E	370577.614
	65.63'	N 53°26'19" E			
PRW366			N	760371.506 E	370630.325
	202.27'	S 45°09'11" E			
PRW367			N	760228.862 E	370773.733
	180.15'	S 39°44'36" E			
PRW368			N	760090.342 E	370888.912
	174.30'	S 31°38'45" E			
RW165•PC RW12			N	759941.956 E	370980.363
ARC • 373.80'					
L.C. • 372.14'					
L.C.B. • S 52°08'11" E					
R. • 1145.92'					
PT RW12•RW164			N	759713.540 E	371274.162
	314.80'	S 61°57'26" E			
DB33			N	759565.542 E	371552.004

Parcel 30 (DB30)

	DISTANCE FEET	BEARING		GROUND COORDINATES	
OTR136			N	762185.032 E	369613.923
	1316.18'	N 88°31'15" E			
SIXT17			N	762219.004 E	370929.661
	1355.96'	S 1°16'32" E			
DB56			N	760863.376 E	370959.846
	530.40'	S 1°16'32" E			
DB57			N	760333.112 E	370971.653
	501.05'	N 35°09'08" W			
PRW753			N	760742.780 E	370683.176
	375.95'	N 40°20'48" W			
DB63			N	761029.310 E	370439.781
	379.30'	N 88°30'33" E			
DB60			N	761039.178 E	370818.952
	225.29'	S 38°42'36" E			
DB56			N	760863.376 E	370959.846

Parcel 30 in Lot 2 (DB30A1)

DB57			N	760333.112 E	370971.653
	391.25'	S 1°16'32" E			
RW165			N	759941.956 E	370980.363
	81.27'	S 1°16'32" E			
DB76•PC DB15			N	759860.708 E	370982.172
ARC • 178.63'					
L.C. • 178.45'					
L.C.B. • N 40°54'58" W					
R. • 1145.92'					
PT DB15			N	759995.559 E	370865.294
	441.94'	N 36°27'01" W			
DB77			N	760351.040 E	370602.728
	34.36'	N 53°26'19" E			
PRW366			N	760371.506 E	370630.325
	202.27'	S 45°09'11" E			
PRW367			N	760228.862 E	370773.733
	180.15'	S 39°44'36" E			
PRW368			N	760090.342 E	370888.912
	174.30'	S 31°38'45" E			
RW165			N	759941.956 E	370980.363

Parcel 31 (DB31)

	DISTANCE FEET	BEARING		GROUND COORDINATES	
OTR136			N	762185.032 E	369613.923
	539.19'	N 88°31'15" E			
DB31			N	762198.949 E	370152.934
	59.36'	N 2°32'55" W			
PRW822			N	762258.254 E	370150.294
	202.90'	S 84°00'57" E			
PRW821			N	762237.101 E	370352.086
	33.00'	S 1°28'45" E			
DB30			N	762204.113 E	370352.938
	200.07'	S 88°31'15" W			
DB31			N	762198.949 E	370152.934

Parcel 32 (DB32)

	DISTANCE FEET	BEARING		GROUND COORDINATES	
OTR136			N	762185.032 E	369613.923
	739.26'	N 88°31'15" E			
DB30			N	762204.113 E	370352.938
	33.00'	N 1°28'45" W			
PRW821			N	762237.101 E	370352.086
	202.90'	N 84°00'57" W			
PRW822			N	762258.254 E	370150.294
	262.01'	N 88°26'26" W			
PRW823			N	762265.384 E	369888.379
	225.22'	N 37°48'06" W			
PRW824			N	762443.340 E	369750.334
	508.64'	N 45°03'31" W			
PRW825			N	762802.633 E	369390.304
	712.13'	N 46°27'55" W			
PRW826			N	763293.142 E	368874.043
	507.60'	N 47°03'07" W			
PRW827			N	763638.985 E	368502.497
	322.81'	N 46°44'41" W			
PRW828			N	763860.192 E	368267.390
	1115.02'	S 27°59'42" E			
PRW801• PC DB14			N	762875.638 E	368790.774
ARC • 829.44'					
L.C. • 829.25'					
L.C.B. • S 42°31'12" E					
R. • 11279.16'					
PT DB14•PRW800			N	762264.442 E	369351.222
	85.03'	S 49°49'23" W			
PRW799			N	762209.582 E	369286.252
	36.65'	S 2°07'11" E			
DB75			N	762172.954 E	369287.607
	326.54'	N 87°52'49" E			
OTR136			N	762185.032 E	369613.923

Parcel 33 (DB33)

	DISTANCE FEET	BEARING		GROUND COORDINATES	
SEC107			N	767264.518 E	361604.124
	33.00'	S 1°07'52" E			
RW81			N	767231.524 E	361604.775
	564.27'	S 83°17'59" E			
CURVE PRW58			N	767165.689 E	362165.192
ARC • 256.21'					
L.C. • 255.81'					
L.C.B. • S 84°53'51" E					
R. • 1322.39'					
PT PRW58			N	767142.938 E	362419.985
	400.93'	S 78°12'31" E			
PRW863			N	767061.010 E	362812.451
	55.44'	S 0°22'32" W			
PRW855			N	767005.572 E	362812.088
	115.18'	S 23°16'56" E			
PRW857			N	766899.771 E	362857.614
	66.17'	S 85°37'00" E			
PRW854			N	766894.714 E	362923.586
	142.85'	N 0°19'51" E			
PRW2833			N	767037.563 E	362924.410
	114.92'	N 88°11'41" E			
PRW871			N	767041.184 E	363039.278
	266.89'	S 54°26'10" E			
PRW2834			N	766885.960 E	363256.381
	201.99'	S 45°26'13" E			
PRW861			N	766744.223 E	363400.296
	649.03'	S 56°52'57" E			
PRW807			N	766389.623 E	363943.889
	201.00'	S 62°09'06" E			
PRW806			N	766295.731 E	364121.609
	165.66'	S 56°26'28" E			
DB7			N	766204.156 E	364259.656
	365.17'	N 1°12'07" W			
DB8			N	766569.243 E	364251.996
	806.46'	N 56°26'28" W			
PRW835			N	767015.051 E	363579.954
	185.38'	N 55°14'36" W			
PRW836			N	767120.733 E	363427.652
	586.10'	N 77°06'45" E			
PC PRW42			N	767251.455 E	363998.993
ARC • 159.12'					
L.C. • 159.06'					
L.C.B. • N 86°06'44" E					
R. • 1592.02'					
PT PRW42			N	767262.240 E	364157.684
	80.34'	N 81°52'23" E			
RW2			N	767273.597 E	364237.218
	33.00'	N 1°12'07" W			
OTR108			N	767306.590 E	364236.526
	2632.74'	S 89°05'04" W			
SEC107			N	767264.518 E	361604.124

Parcel 34 & 35 (DB34)

	DISTANCE FEET	BEARING		GROUND COORDINATES	
SEC107			N	767264.518 E	361604.124
	32.59'	N 89°05'04" E			
DB10			N	767265.039 E	361636.707
	33.41'	N 0°54'56" W			
RW82			N	767298.442 E	361636.173
	535.27'	N 80°04'37" E			
PC PRW46			N	767390.682 E	362163.433
ARC • 299.80'					
L.C. • 299.33'					
L.C.B. • S 84°53'51" E					
R. • 1547.39'					
PT PRW46			N	767364.061 E	362461.578
	210.63'	S 83°25'55" E			
PRW868			N	767339.968 E	362670.830
	499.40'	N 42°04'29" W			
PRW869			N	767710.661 E	362336.179
	539.32'	N 36°24'36" W			
PRW873			N	768144.697 E	362016.062
	408.02'	N 43°06'34" W			
PRW870			N	768442.571 E	361737.225
	151.34'	N 63°29'07" W			
PRW872			N	768510.136 E	361601.799
	33.05'	S 88°22'20" W			
DB50			N	768509.197 E	361568.762
	443.89'	N 1°37'38" W			
DB49			N	768952.905 E	361556.156
	33.07'	N 88°22'22" E			
CURVE PRW45			N	768953.844 E	361589.212
ARC • 902.79'					
L.C. • 901.40'					
L.C.B. • S 44°34'17" E					
R. • 4698.66'					
PT PRW45			N	768311.707 E	362221.811
	538.76'	S 38°32'07" E			
PC PRW44			N	767890.276 E	362557.456
ARC • 793.47'					
L.C. • 792.43'					
L.C.B. • S 44°08'53" E					
R. • 4473.66'					
PT PRW44			N	767321.671 E	363109.399
	33.09'	S 0°54'56" E			
DB11			N	767288.584 E	363109.928
	1506.00'	S 89°05'04" W			
SEC107			N	767264.518 E	361604.124

Parcel 34 & 50 (DB50)

	DISTANCE FEET	BEARING		GROUND COORDINATES	
OTR94			N	769900.325 E	361529.240
	55.93'	N 1°37'13" W			
DB82			N	769956.236 E	361527.658
	33.10'	N 88°22'47" E			
PRW900			N	769957.172 E	361560.749
	113.62'	S 88°41'51" E			
PRW901			N	769954.589 E	361674.344
	109.04'	S 0°42'12" E			
PRW902			N	769845.558 E	361675.682
	401.82'	S 0°19'45" W			
PRW903			N	769443.747 E	361673.373
	83.41'	S 42°02'28" E			
L334			N	769381.800 E	361729.231
	93.85'	S 0°15'22" E			
PRW905			N	769287.948 E	361729.650
	183.11'	N 89°07'00" W			
DB83			N	769290.771 E	361546.557
	609.80'	N 1°37'38" W			
OTR94			N	769900.325 E	361529.240

REVISION DATE	DATE	NOT TO SCALE	HWY: STH 110	CONSTRUCTION PROJECT NUMBER 6200-05-71	PS&E SHEET NO: 4.30	
			COUNTY: WINNEBAGO	STATE R/W PROJECT NUMBER 6200-05-21	PS&E SHEET NO: 4.23	E

LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

PAR36 PLAN SHEET 4.12,4.13,4.14 PARCEL 36,38

POINT	DISTANCE	BEARING		GROUND COORDINATES	
OTR94			N	769900.325 E	361529.240
	31.35'	S 1°37'38" E			
DB15			N	769868.984 E	361530.130
	1994.34'	S 1°37'38" E			
DB12			N	767875.452 E	361586.767
	33.00'	S 88°22'23" W			
PRW880			N	767874.515 E	361553.780
	136.61'	N 19°25'36" W			
PRW874			N	768003.343 E	361508.345
	104.59'	N 16°59'57" W			
PRW2832			N	768103.359 E	361477.769
	362.68'	N 39°01'18" W			
PRW845			N	768385.130 E	361249.419
	143.14'	S 88°49'03" E			
CURVE PRW47					
PRW875 • PC			N	768382.176 E	361392.530
	L.C. • 397.55'				
	L.C.B. • N 6°29'54" W				
	Radius • 1999.86'				
	ARC • 398.21'				
PRW876 • PT N	768777.176 E	361347.536			
CURVE PRW47					
CURVE PRW48					
PRW876 • PC			N	768777.176 E	361347.536
	L.C. • 2441.91'				
	L.C.B. • N 67°05'20" W				
	Radius • 4408.66'				
	ARC • 2474.26'				
PRW877 PT			N	769727.823 E	359098.268
CURVE PRW48					
	295.40'	N 78°18'43" W			
PRW879			N	769787.666 E	358808.992
	600.00'	N 83°10'00" W			
PRW881			N	769859.055 E	358213.254
	500.00'	N 83°10'00" W			
PRW882			N	769918.545 E	357716.806
	136.01'	S 42°51'38" W			
PRW600			N	769818.845 E	357624.287
	39.62'	N 88°52'38" W			
DB52			N	769819.621 E	357584.678
	170.71'	N 1°40'55" W			
SIX64			N	769990.261 E	357579.667
	1320.00'	S 88°41'47" E			
CTRS93			N	769960.233 E	358899.326
	118.18'	N 1°38'37" W			
DB14			N	770078.369 E	358895.936
	26.34'	S 81°33'03" E			
PRW204			N	770074.499 E	358921.987
	300.37'	S 80°16'46" E			
PRW203			N	770023.783 E	359218.050
	271.76'	S 84°11'46" E			
PRW202			N	769996.302 E	359488.413
	106.61'	S 85°55'02" E			
PRW201			N	769988.712 E	359594.751
	217.28'	S 88°41'33" E			
PRW200			N	769983.754 E	359811.974
	200.32'	S 85°27'16" E			
PRW860			N	769967.878 E	360011.664
	65.98'	S 1°18'27" W			
PRW859			N	769901.920 E	360010.159
	195.24'	S 89°02'39" W			
PRW858			N	769898.663 E	359814.951
	45.20'	S 1°18'27" W			
TRANSPOSED CURVE PRW20					
PRW856 • PC			N	769853.476 E	359813.919
	L.C. • 1642.62'				
	L.C.B. • S 64°28'26" E				
	Radius • 4670.66'				
	ARC • 1651.21'				
PRW853 • PT			N	769145.632 E	361296.201
CURVE PRW20					
	77.28'	N 65°31'29" E			
PRW852			N	769177.648 E	361366.536
	314.46'	N 13°36'58" E			
PRW2831			N	769483.266 E	361440.564
	388.92'	N 8°21'54" E			
RW3096			N	769868.047 E	361497.143
	33.00'	N 88°22'22" E			
DB15			N	769868.984 E	361530.130

Parcel 37 (DB37)

	DISTANCE FEET	BEARING		GROUND COORDINATES	
SEC107			N	767264.518 E	361604.124
	611.18'	N 1°37'38" W			
DB12			N	767875.452 E	361586.767
	33.00'	S 88°22'22" W			
PRW880			N	767874.515 E	361553.780
	136.61'	N 19°25'36" W			
PRW874			N	768003.343 E	361508.345
	259.59'	N 16°59'57" W			
PC PRW61•PRW844			N	768251.587 E	361432.453
ARC • 256.81'					
L.C. • 226.57'					
L.C.B. • N 53°53'07" W					
R. • 150.00'					
PT PRW61•PRW845			N	768385.130 E	361249.419
	143.14'	S 88°49'03" E			
PC PRW47•PRW875			N	768382.176 E	361392.530
ARC • 398.21'					
L.C. • 397.55'					
L.C.B. • N 6°29'54.52" W					
R. • 1999.86'					
PT PRW47•PRW876			N	768777.176 E	361347.536
	213.53'	N 88°22'22" E			
DB16			N	768783.240 E	361560.976
	1519.33'	S 1°37'38" E			
SEC107			N	767264.518 E	361604.124

Parcel 38 (DB38)

	DISTANCE FEET	BEARING		GROUND COORDINATES	
CTRS93			N	769960.233 E	358899.326
	192.48'	S 1°39'14" E			
DB25			N	769767.830 E	358904.881
	197.48'	S 78°18'43" E			
PC DB4 • PRW877			N	769727.823 E	359098.268
ARC • 1351.99'					
L.C. • 1346.70'					
L.C.B. • S 74°22'53" E					
R. • 4408.66'					
PT DB4 • DB26			N	769365.247 E	360395.242
	262.00'	N 24°24'14" E			
DB27 • PC DB5			N	769603.838 E	360503.492
ARC • 734.12'					
L.C. • 733.37'					
L.C.B. • N 70°05'56" W					
R. • 4670.66'					
PT DB5 • PRW856			N	769853.476 E	359813.919
	85.90'	N 1°18'18" E			
DB28			N	769939.354 E	359815.875
	916.79'	N 88°41'42" W			
CTRS93			N	769960.233 E	358899.326

Parcel 39 (DB39)

	DISTANCE FEET	BEARING		GROUND COORDINATES	
OTR92			N	770017.439 E	356385.273
	2514.70'	S 88°41'47" E			
CTRS93			N	769960.233 E	358899.326
	118.18'	N 1°38'37" W			
DB14			N	770078.369 E	358895.936
	874.01'	N 81°33'03" W			
PRW205			N	770206.790 E	358031.412
	797.53'	N 86°01'00" W			
PC PRW23			N	770262.191 E	357235.805
ARC • 408.47'					
L.C. • 408.26'					
L.C.B. • N 79°58'01" W					
R. • 3685.72'					
PT PRW23			N	770333.316 E	356833.790
	288.40'	N 74°48'18" W			
PC PRW35			N	770408.907 E	356555.470
ARC • 309.90'					
L.C. • 288.55'					
L.C.B. • N 39°11'46" W					
R. • 238.48'					
PT PRW35			N	770632.533 E	356373.110
	326.39'	N 2°09'24" W			
PRW210			N	770958.688 E	356360.827
	941.57'	S 1°29'16" E			
OTR92			N	770017.439 E	356385.273

Parcel 40 (DB40)VISION CORNER

	DISTANCE FEET	BEARING		GROUND COORDINATES	
SEC79			N	772653.102 E	356316.821
	113.53'	S 1°29'16" E			
PRW226			N	772539.613 E	356319.768
	185.23'	N 65°21'05" E			
PRW228			N	772616.865 E	356488.124
	76.01'	N 65°21'05" E			
DB21			N	772648.563 E	356557.203
	240.43'	N 88°55'06" W			
SEC79			N	772653.102 E	356316.821

Parcel 42 (DB42)

	DISTANCE FEET	BEARING		GROUND COORDINATES	
OTR92			N	770017.439 E	356385.273
	1441.37'	N 1°29'16" W			
DB20			N	771458.319 E	356347.851
	102.80'	S 88°30'44" W			
PRW218			N	771455.650 E	356245.083
	100.50'	S 7°18'37" E			
PRW217			N	771355.968 E	356257.870
	300.17'	S 0°18'34" W			
PRW216			N	771055.806 E	356256.249
	100.50'	S 7°18'37" E			
PRW215			N	770956.124 E	356269.036
	326.37'	S 1°35'59" E			
PC PRW22			N	770629.882 E	356278.147
ARC • 183.31'					
L.C. • 180.99'					
L.C.B. • S 17°26'31" E					
R. • 331.48'					
PT PRW22 • PC PRW25			N	770457.216 E	356332.396
ARC • 1866.04'					
L.C. • 1846.34'					
L.C.B. • N 55°14'07" W					
R. • 3701.72'					
PT PRW25			N	771510.011 E	354815.624
	396.93'	S 79°49'22" W			
PRW884			N	771439.877 E	354424.939
	519.16'	S 47°31'54" E			
PC PRW49			N	771089.347 E	354807.898
ARC • 1860.64'					
L.C. • 1843.86'					
L.C.B. • S 58°38'15" E					
R. • 3994.72'					
PT PRW49			N	770129.706 E	356382.357
	112.30'	S 1°29'16" E			
OTR92			N	770017.439 E	356385.273

Parcel 43 (DB43)

	DISTANCE FEET	BEARING		GROUND COORDINATES	
OTR90			N	772665.198 E	353680.420
	726.87'	S 89°44'14" E			
DB43			N	772661.863 E	354407.286
	125.72'	S 0°15'46" W			
PC PRW26			N	772536.146 E	354406.709
ARC • 787.69'					
L.C. • 778.58'					
L.C.B. • S 18°51'14" E					
R. • 1492.02'					
PT PRW26			N	771799.345 E	354658.310
	329.33'	S 28°32'00" E			
PRW221			N	771510.011 E	354815.624
	396.93'	S 79°49'22" W			
PRW884			N	771439.877 E	354424.939
	656.60'	N 40°11'43" W			
PC PRW52			N	771941.417 E	354001.174
ARC • 496.42'					
L.C. • 494.06'					
L.C.B. • N 32°15'18" W					
R. • 1468.14'					
PT PRW52			N	772359.231 E	353737.500
	50.02'	S 88°40'50" W			
DB24			N	772358.080 E	353687.494
	1015.67'	S 1°19'10" E			
DB22			N	771342.676 E	353710.882
	41.17'	S 88°40'27" W			
RWL1			N	771341.723 E	353669.727
	305.44'	N 2°55'50" W			
PC PRW53			N	771646.767 E	353654.112
ARC • 588.95'					
L.C. • 575.70'					
L.C.B. • N 22°27'16" W					
R. • 798.83'					
PT PRW53			N	772178.821 E	353434.222
	248.32'	N 43°34'33" W			
PC PRW54			N	772358.724 E	353263.048
ARC • 220.22'					
L.C. • 215.98'					
L.C.B. • N 24°02'01" W					
R. • 322.84'					
PT PRW54			N	772555.979 E	353175.086
	71.77'	N 79°37'29" W			
PRW891			N	772568.905 E	353104.490
	388.01'	N 86°22'28" W			
PRW897			N	772593.441 E	352717.253
	170.56'	N 86°48'53" W			
PRW898			N	772602.918 E	352546.961
	390.29'	N 88°58'26" W			
PRW899			N	772609.907 E	352156.729
	400.71'	N 88°50'32" W			
RW3159			N	772618.003 E	351756.101
	43.40'	N 0°06'47" W			
DB23			N	772661.403 E	351756.018
	1924.41'	N 89°53'13" E			
OTR90			N	772665.198 E	353680.420

REVISION DATE	DATE	NOT TO SCALE	HWY: STH 110	CONSTRUCTION PROJECT NUMBER 6200-05-71	PS&E SHEET NO: 4.31	
			COUNTY: WINNEBAGO	STATE R/W PROJECT NUMBER 6200-05-21	PS&E SHEET NO: 4.24	E

FILE NAME : F:±d3_620005±d3435.dgn PLOT DATE: 27-SEP-2001 13:07 ORG DATE : PLOT NAME : Originator : Dist PLOT SCALE : 200.606061:1.000000 WISDOT/CADDS SHEET 70

LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

Parcel 45 (DB45)

	DISTANCE FEET	BEARING		GROUND COORDINATES	
SEC79			N	772653.102 E	356316.821
	1451.77'	N 89°44'14" W			
DB29			N	772659.763 E	354865.062
	114.43'	N 0°50'06" W			
PRW777			N	772774.180 E	354863.394
	396.22'	S 82°05'56" E			
PRW783			N	772719.716 E	355255.851
	220.34'	S 87°31'36" E			
PRW785			N	772710.207 E	355475.989
	66.04'	N 89°52'08" E			
PRW787			N	772710.358 E	355542.031
	464.58'	S 89°13'59" E			
PRW788			N	772704.139 E	356006.568
	101.01'	S 80°11'20" E			
PRW789			N	772686.928 E	356106.098
	32.86'	S 0°05'44" W			
DB18			N	772654.069 E	356106.043
	210.78'	S 89°44'14" E			
SEC79			N	772653.102 E	356316.821

Parcel 46 (DB46)

	DISTANCE FEET	BEARING		GROUND COORDINATES	
QTR92			N	770017.439 E	356385.273
	1194.70'	S 88°41'47" E			
DB48			N	769990.261 E	357579.667
	170.71'	S 1°40'55" E			
DB52			N	769819.621 E	357584.678
	60.88'	N 88°52'38" W			
PRW601			N	769820.814 E	357523.807
	92.20'	N 42°33'56" W			
PRW602			N	769888.716 E	357461.443
	207.08'	N 82°32'37" W			
PRW603			N	769915.590 E	357256.110
	518.83'	N 86°46'18" W			
PRW604			N	769944.807 E	356738.106
	273.21'	N 86°12'30" W			
PRW605			N	769962.875 E	356465.490
	83.79'	N 75°04'51" W			
RW119			N	769984.448 E	356384.522
	33.00'	N 1°18'13" E			
QTR92			N	770017.439 E	356385.273

REVISION DATE	DATE	NOT TO SCALE	HWY: STH 110	CONSTRUCTION PROJECT NUMBER 6200-05-71	PS&E SHEET NO: 4.32	
			COUNTY: WINNEBAGO	STATE R/W PROJECT NUMBER 6200-05-21	PS&E SHEET NO: 4.25	E

R/W PROJECT NUMBER	SHEET NUMBER	TOTAL SHEETS
6200-05-23		
FEDERAL PROJECT NUMBER	4.0	

PLAT OF RIGHT OF WAY REQUIRED FOR

STH 116 - CTH G

STH 110 WINNEBAGO

6200-05-71 / 4.33

CONVENTIONAL SIGNS AND ABBREVIATIONS

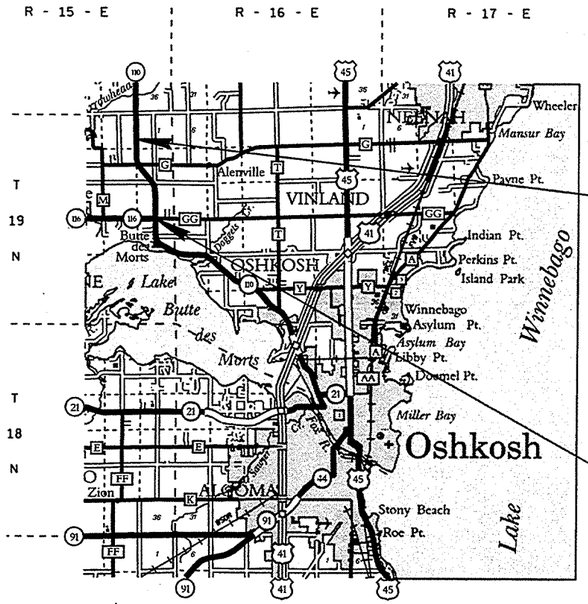
AC.	ACRES	PED	PEDESTAL
AC. REM.	ACRES REMAINING	O	R/W MONUMENT
A.P.	ACCESS POINT	P.L.	PROPERTY LINE
B.	BARN	P.L.E.	PERMANENT LIMITED EASEMENT
BLDG.	BUILDING	R.	RANGE
CO.	COMPANY	RD.	ROAD
CORP.	CORPORATION	R/W	RIGHT OF WAY
C.T.H.	COUNTY TRUNK HIGHWAY	S.	SHED
D.	DEED	S.T.H.	STATE TRUNK HIGHWAY
E.	EAST	T.	TOWN
ET. AL.	AND OTHERS	TEMP.	TEMPORARY
G.	GARAGE	T.I.	TEMPORARY INTEREST
GN	GRID NORTH	VOL.	VOLUME
H.	HOUSE	W.	WEST
INC.	INCORPORATED	WIS.	WISCONSIN
L.C.	LAND CONTRACT		
N	NORTH		

	COMPENSABLE	NON-COMPENSABLE
POWER POLE	■	□
TELEPHONE POLE	■	□
SIGN	■	□
TELEPHONE PEDESTAL	■	□

NO ACCESS (BY ACQUISITION)

NO ACCESS (BY STATUTORY AUTHORITY)

NO ACCESS (BY PREVIOUS PROJECT OR COVENANT)



END RELOCATION ORDER

PROJECT 6200-05-23
STATION 495+00
707.22 FEET S 5°-05'-50" E OF THE SOUTHEAST CORNER OF SECTION 1, TOWNSHIP 19 NORTH, RANGE 15 EAST.
N = 783,859.066
E = 350,677.649

BEGIN RELOCATION ORDER

PROJECT 6200-05-23
STATION 374+30.40
333.42 FEET S 89°-44'-14" E OF THE SOUTH 1/4 CORNER OF SECTION 13, TOWNSHIP 19 NORTH, RANGE 15 EAST.
N = 772,580.889
E = 353,979.405

LAYOUT
0 2 MI.
SCALE

TOTAL NET LENGTH OF CENTERLINE = 2.31 MI.

NOTES

COORDINATES AND BEARINGS ON THIS PLAT ARE ORIENTED TO THE WISCONSIN COORDINATE SYSTEM SOUTH ZONE (NAD 27).
ALL PLAT COORDINATES ARE ENGLISH GROUND DATA & CAN BE CONVERTED TO ENGLISH GRID BY MULTIPLYING BY THE PROVIDED GRID FACTOR AND ADDING TWO MILLION TO THE CONVERTED EAST VALUE. ALL PLAT DISTANCES ARE GROUND LENGTHS AND MAY BE CONVERTED TO GRID LENGTHS BY MULTIPLYING THE DISTANCE BY THE PROVIDED GRID FACTOR.

RIGHT OF WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE US PUBLIC LAND SURVEY OR OTHER SURVEYS OF PUBLIC RECORD.

RIGHT OF WAY MONUMENTS ARE TYPE 2 AND ARE PLACED PRIOR TO OR AT THE TIME OF LAND TITLE TRANSFER.

RIGHT OF WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE US PUBLIC LAND SURVEY OR OTHER SURVEYS OF PUBLIC RECORD.

REVISION DATE	STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION
	APPROVED:
	DATE: _____ DISTRICT DIRECTOR

PLOT SCALE: 10560
PLOT NAME: 105
REV. DATE: 12-27-00
ORIGINATOR: DIST. 3
FILE NAME: D3_620005105.dgn

SCHEDULE OF LANDS & INTERESTS REQUIRED

AREAS SHOWN IN THE TOTAL ACRES COLUMN MAY BE APPROXIMATE AND ARE DERIVED FROM TAX ROLLS OR OTHER AVAILABLE SOURCES AND MAY NOT INCLUDE LANDS OF THE OWNER WHICH ARE NOT CONTIGUOUS TO THE AREA TO BE ACQUIRED.

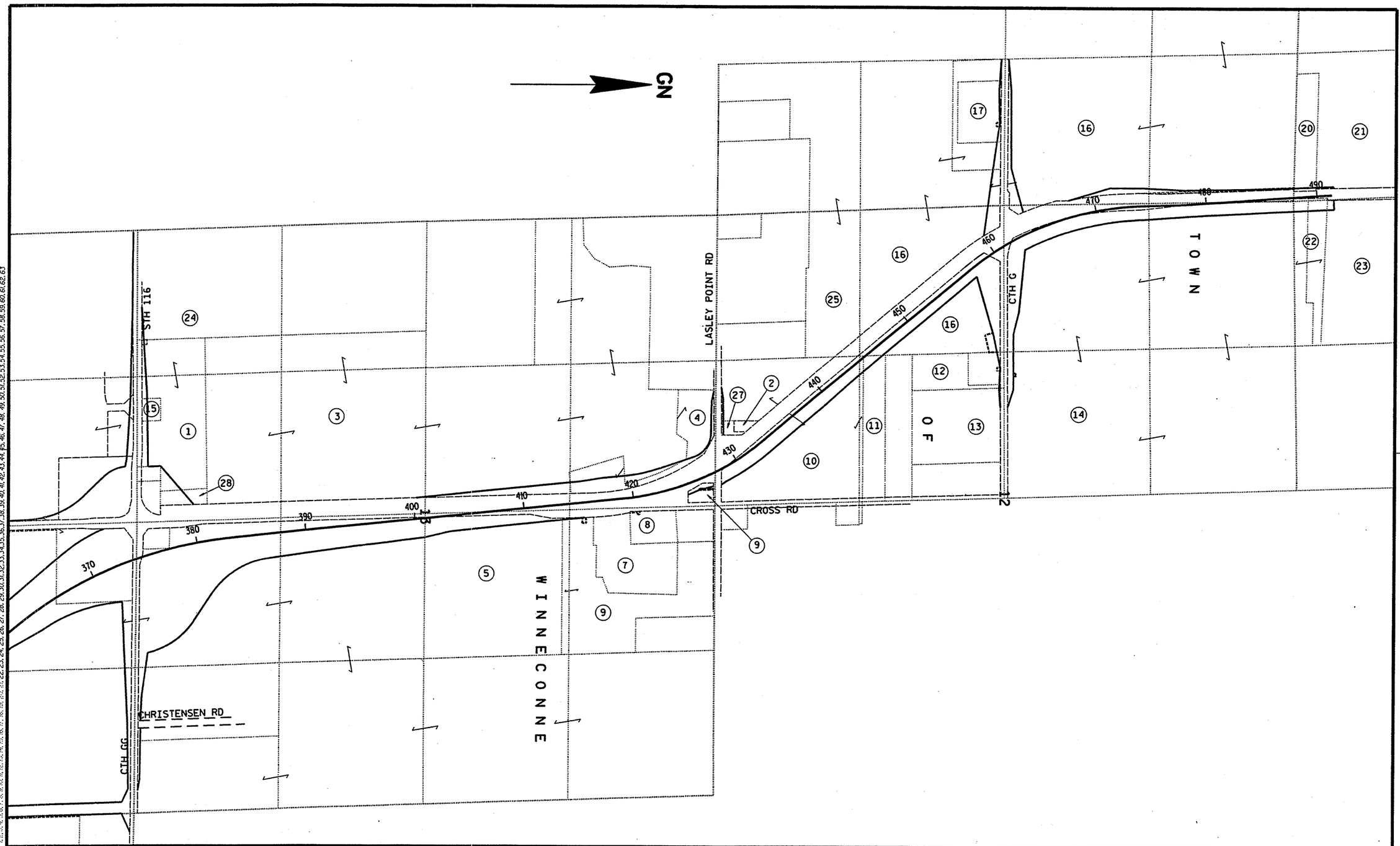
PARCEL NUM.	SHEET NUM.	OWNER
1	4.3, 4.4	BRIAN R. FUHS
*2	4.6	RONALD D. MILLER
3	4.3,4.4,4.6	LAKE BREEZE LLC
4	4.5	LAKE BREEZE ENTERPRISES
5	4.5	ROBERT & CAROL BEISER
6	4.5	ROBERT R. & MURIEL I. RADTK
8	4.5	CEMETERY
9	4.5	PAUL T. WINTER
10	4.6	BARBARA A. ZELLER
11	4.6	JEFFERY H. POLLEI
12	4.6	BRUCE A. & CHERYL E. KMECHECK
13	4.6	BRIAN M. & JULIE A. HALL
14	4.6,4.7,4.8	FLORENCE ROMBERG
15	4.4	ROBERT W. FUHS & BRIGITTE FUHS
16	4.7,4.8	GAY R. & ALICE H. ANDERSON
17	4.7	STEVEN P. BROWN
20	4.9	JEFFERY W.& VALORI A. SOHRWEIDE
21	4.9	WAYNE A. & EDNA M. SOHRWEIDE
22	4.9	DAVID A. & BARBARA A. ROZEK
23	4.9	CROSS FARM, J. CROSS,DON & DAVE SLEIK
24	4.4	JAMES & MARY SELLE
25	4.6	TIMOTHY J. DOEHLING & DIANE M. DOEHLING
27	4.6	ALAN M. & PAULA S. LONG
28	4.3	LAKE BREEZE ENTERPRISES
100	4.4,4.5,4.7,4.8,4.9	AMERITECH (43)
101	4.8 & 4.9	WISCONSIN PUBLIC SERVICE CORPORATION (44)

LEVELS ON : 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

REVISION DATE	DATE 8-4-99	NOT TO SCALE	HWY: STH 110	CONSTRUCTION PROJECT NUMBER 6200-05-71	PS&E SHEET NO: 4.34	
			COUNTY: WINNEBAGO	STATE R/W PROJECT NUMBER 6200-05-23	PLAT SHEET NO: 4.1	E

FILE NAME : F:±d3_620005±4to5.dgn PLOT DATE: 27-SEP-2001 13:15 ORG DATE : PLOT NAME : 4to5d.i Originator : dist3jmm PLOT SCALE :200.606061:1.000000

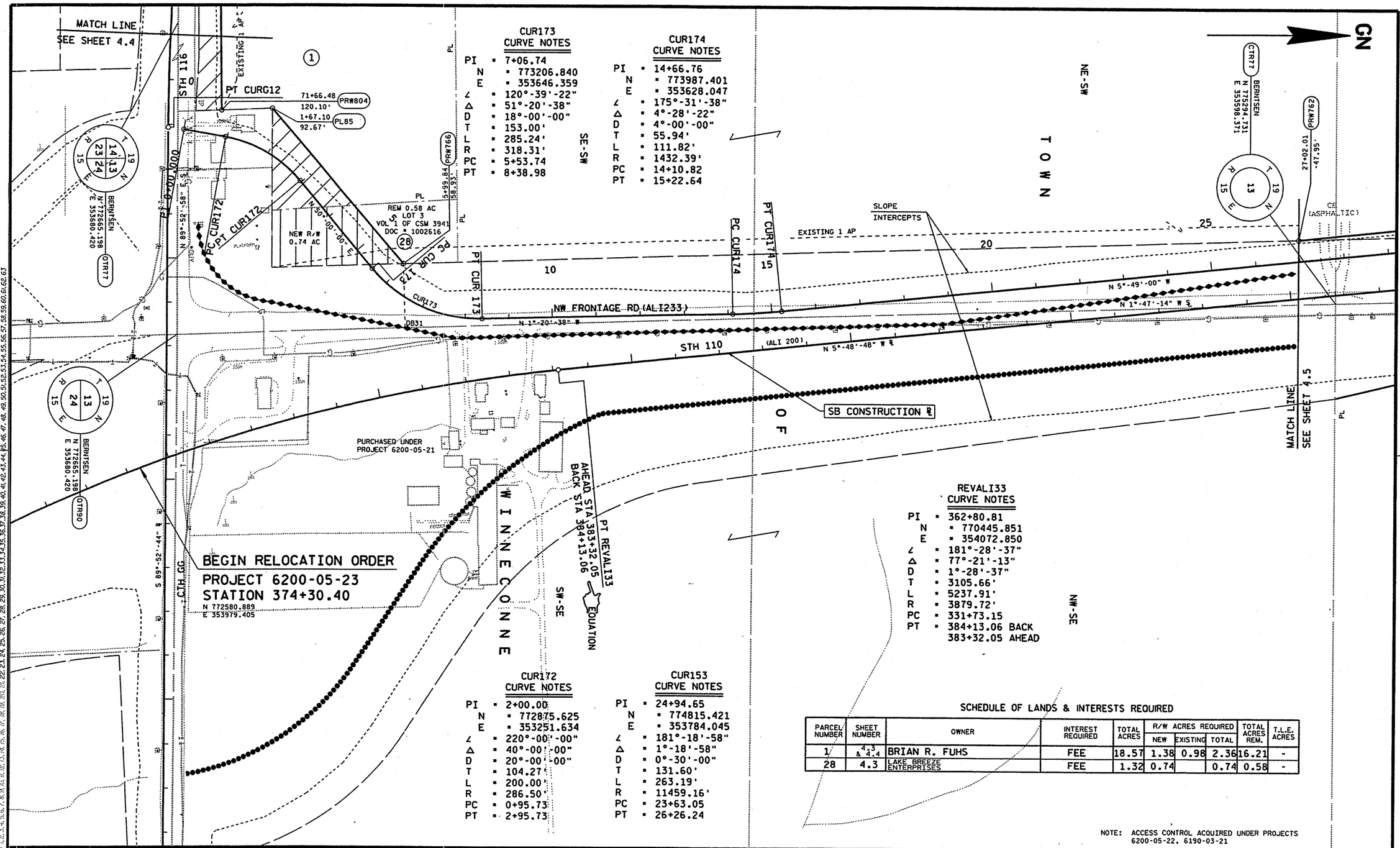
WISDOT/CADDS SHEET 60



REVISION DATE	DATE 8-4-99	NOT TO SCALE	HWY: STH 110	CONSTRUCTION PROJECT NUMBER 6200-05-71	PS&E SHEET NO: 4.35	
			COUNTY: WINNEBAGO	STATE R/W PROJECT NUMBER 6200-05-23	PLAT SHEET NO: 4.2	E

LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

FILE NAME : F:±d3_620005±4to4.dgn PLOT DATE: 27-SEP-2001 13:15 ORG DATE : PLOT NAME : 4to4d.i Originator : dist3jmm PLOT SCALE : 802.424242:1.000000 WISDOT/CADDS SHEET TO



CUR173
CURVE NOTES

PI	7+06.74
N	773206.840
E	353646.359
∠	120°-39'-22"
Δ	51°-20'-38"
D	18°-00'-00"
T	153.00'
L	285.24'
R	318.31'
PC	5+53.74
PT	8+38.98

CUR174
CURVE NOTES

PI	14+66.76
N	773987.401
E	353628.047
∠	175°-31'-38"
Δ	4°-28'-22"
D	4°-00'-00"
T	55.94'
L	111.82'
R	1432.39'
PC	14+10.82
PT	15+22.64

CUR172
CURVE NOTES

PI	2+00.00
N	772875.625
E	353251.634
∠	220°-00'-00"
Δ	40°-00'-00"
D	20°-00'-00"
T	104.27'
L	200.00'
R	286.50'
PC	0+95.73
PT	2+95.73

CUR153
CURVE NOTES

PI	24+94.65
N	774815.421
E	353784.045
∠	181°-18'-58"
Δ	1°-18'-58"
D	0°-30'-00"
T	131.60'
L	263.19'
R	11459.16'
PC	23+63.05
PT	26+26.24

REVALI33
CURVE NOTES

PI	362+80.81
N	770445.851
E	354072.850
∠	181°-28'-37"
Δ	77°-21'-13"
D	1°-28'-37"
T	3105.66'
L	5237.91'
R	3879.72'
PC	331+73.15
PT	384+13.06 BACK 383+32.05 AHEAD

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	SHEET NUMBER	OWNER	INTEREST REQUIRED	TOTAL ACRES	R/W ACRES REQUIRED			TOTAL ACRES REM.	T.L.E. ACRES
					NEW	EXISTING	TOTAL		
1	4.3 & 4.4	BRIAN R. FUHS	FEE	18.57	1.38	0.98	2.36	16.21	-
28	4.3	LAKE BREEZE ENTERPRISES	FEE	1.32	0.74		0.74	0.58	-

NOTE: ACCESS CONTROL ACQUIRED UNDER PROJECTS 6200-05-22, 6190-03-21

REVISION DATE	DATE: 8-4-99	SCALE, FEET 0 100 200	HWY: STH 110	CONSTRUCTION PROJECT NUMBER: 6200-05-71	PS&E SHEET NO: 4.36
	GRID FACTOR: 0.999997		COUNTY: WINNEBAGO	STATE R/W PROJECT NUMBER: 6200-05-23	PLAT SHEET NO: 4.3 E

FILE NAME : F:±d3_620005±d3425.dgn PLOT DATE: 27-SEP-2001 13:15 ORG DATE : 7-11-00 PLOT NAME : d3425d.i Originator : DIST3JMM PLOT SCALE : 200.606061:1.000000

WISDOT/CADDS SHEET 75

LEVELS ON - 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	SHEET NUMBER	OWNER	INTEREST REQUIRED	TOTAL ACRES	R/W ACRES REQUIRED			TOTAL ACRES REM.	T.L.E. ACRES
					NEW	EXISTING	TOTAL		
1	4.3 & 4.9	BRIAN R. FUHS	FEE	SEE	SHEET	4.3			-
15	4.4	ROBERT W. FUHS & BRIGITTE FUHS	FEE	0.78	0.22		0.22	0.56	-
24	4.4	JAMES & MARY SELLE	FEE	147.4	0.06	0.30	0.36	147.04	-
100	4.4,4.5 &4.7-4.9	AMERITECH (43)	RELEASE OF RIGHTS						

CURG11 CURVE NOTES		CURG12 CURVE NOTES	
PI	= 65+50.00	PI	= 70+25.89
N	= 772674.060	N	= 772643.055
E	= 352556.866	E	= 353031.801
∠	= 183°-36'-50"	∠	= 177°-31'-28"
Δ	= 3°-36'-50"	Δ	= 3°-36'-50"
D	= 2°-00'-00"	D	= 1°-00'-00"
T	= 90.38'	T	= 180.75'
L	= 180.69'	L	= 361.39'
R	= 2864.79'	R	= 5729.58'
PC	= 64+59.62	PC	= 68+45.13
PT	= 66+40.32	PT	= 72+06.52

BERNTSEN N 772659.736 E 351040.096 OTR77

T 19 N R 15 E 14 13 23 24

EXISTING 2 AP 55

DB102

57+24.79 PRW806

28.33'

S 89°-52'-44" E

24

60

100 AMERITECH TELEPHONE CO. DOC# 931567

STH 116

TOWN

PL

MS-MS

PC CURG11

65+22.89 PRW803

81.62'

PT CURG11

OTR90 BERNTSEN N 772665.198 E 353680.420

EXISTING 1 AP

15

1

S 86°-15'-54" E

PC CURG12

SEE SHEET 4.3

MATCH LINE

71+66.48 PRW804

120.10'

PT CURG12

1+67.10 PL85

92.67'

MS-SW

NE-SW

SE-SW

OF

WINNECONNE

GN

NOTE: ACCESS CONTROL ACQUIRED UNDER PROJECTS 6190-03-21

REVISION DATE	DATE: 8-4-99	SCALE, FEET 0 100 200	HWY: STH 110	CONSTRUCTION PROJECT NUMBER: 6200-05-71	PS&E SHEET NO: 4.37	
	GRID FACTOR: 0.999997		COUNTY: WINNEBAGO	STATE R/W PROJECT NUMBER: 6200-05-23	PLAT SHEET NO: 4.4	E

LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	SHEET NUMBER	OWNER	INTEREST REQUIRED	TOTAL ACRES	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TOTAL ACRES REM.	T.L.E. ACRES
3	4.5	LAKE BREEZE LCC	FEE & ACCESS	151.82	2.17	11.14	13.31	149.82	-
4	4.5	LAKE BREEZE ENTERPRISES	FEE	7.53	2.46	-	2.46	5.07	
5	4.5	ROBERT & CAROL BEISER	FEE	38.00	2.87	1.16	4.03	35.13	-
6	4.5	ROBERT R. & MURIEL I. RADTKE	FEE & TLE	20.21	0.03	0.34	0.37	19.84	0.03
8	4.5	CEMETERY	TLE	3.00				3.00	0.03
9	4.5	PAUL T. WINTER	FEE	1.05	0.22	0.23	0.45	0.60	-
100	4.4,4.5 &4.7-4.9	AMERITECH (43)	RELEASE OF RIGHTS						

CUR182 CURVE NOTES

PI	= 46+98.29
N	= 777006.568
E	= 353549.656
∠	= 183°-59'-04"
Δ	= 3°-59'-04"
D	= 0°-45'-00"
T	= 265.74'
L	= 531.56'
R	= 7639.44'
PC	= 44+32.55
PT	= 49+63.81

CUR175 CURVE NOTES

PI	= 47+96.44
N	= 777299.994
E	= 353290.591
∠	= 166°-51'-01"
Δ	= 13°-08'-59"
D	= 4°-00'-00"
T	= 165.10'
L	= 328.74'
R	= 1432.39'
PC	= 46+31.34
PT	= 49+60.08

CUR176 CURVE NOTES

PI	= 54+88.74
N	= 777956.079
E	= 353065.114
∠	= 108°-30'-26"
Δ	= 71°-29'-34"
D	= 20°-00'-00"
T	= 206.21'
L	= 357.46'
R	= 286.48'
PC	= 52+82.53
PT	= 56+39.99

REVALI34 CURVE NOTES

PI	= 426+01.31
N	= 777782.837
E	= 353325.880
∠	= 182°-34'-02"
Δ	= 33°-44'-21"
D	= 2°-34'-02"
T	= 676.79'
L	= 1314.23'
R	= 2231.83'
PC	= 419+24.52
PT	= 432+38.75

NOTE: ACCESS CONTROL ACQUIRED UNDER PROJECTS 6190-03-21

REVISION DATE	DATE: 8-4-99	SCALE, FEET 0 100 200	HWY: STH 110	CONSTRUCTION PROJECT NUMBER: 6200-05-71	PS&E SHEET NO: 4.38
	GRID FACTOR: 0.999997		COUNTY: WINNEBAGO	STATE R/W PROJECT NUMBER: 6200-05-23	PLAT SHEET NO: 4.5 E

FILE NAME : F:±d3_620005±d3426.dgn PLOT DATE: 27-SEP-2001 13:15 ORG DATE : 7-11-00 PLOT NAME : d3426d.i Originator : DIST3JMM PLOT SCALE : 200.606061:1.000000 WISDOT/CADDS SHEET 75

LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

DETAIL NOT TO SCALE

0.75'
EXISTING R/W
PROPOSED R/W
HOUSE

LASLEY POINT RD

BERNTSEN
N 777938.470
E 350887.480
SEC63

60+52.01
33.00'
PRW257

59+52.01
48.00'
PRW258

REM 8.60 AC

RWL24
432+74.09
180.00'

57+53.11
47.92'
PRW259

PT REVAL134

56+26.04
48.26'
PRW262

CUR176

AHEAD STA 432+74.08
BACK STA 432+38.75

PRW27

PRW793
432+74.09
180.00'

428+01.43
180.00'
PRW792

427+87.74
185.11'
PRW794

EQUATION

STH 110 (ML1200)

N 39°-33'-08" W ℄

442+50.00
160.00'
PRW252

439+00.00
175.00'
PRW251

SB CONSTRUCTION ℄

REM 55.02 AC

MATCH LINE
SEE SHEET 4.7

TOWN OF WINNECONNE

SW-SW
SE-SW
NW-SW
NE-SW
SW-SE
NW-SE
SE-NW

REVAL134
CURVE NOTES

PI	=	426+01.31
N	=	777782.837
E	=	353325.880
∠	=	182°-34'-02"
Δ	=	33°-44'-21"
D	=	2°-34'-02"
T	=	676.79'
L	=	1314.23'
R	=	2231.83'
PC	=	419+24.52
PT	=	432+38.75 BACK 432+74.08 AHEAD

BERNTSEN
N 780538.940
E 350786.780
OTR50

50+96.15
39.85'
50+96.26
67.85'
51+00.00
PRW255
40.00'
51+28.26
67.73'
51+28.15
39.73'
TLE FOR DRIVEWAY

PRW256
53+00.00
50.00'

PI 53+75.66
N 780555.940
E 352530.830

PRW293
54+57.57
38.48'

PI 55+25.66
N 780556.337
E 352680.824

CTH G

51+51.00
80.00'
51+51.00
100.00'
51+71.00
100.00'
51+71.00
80.00'
TLE FOR DRIVEWAY

53+00.00
80.00'
PRW288

54+57.32
27.52'
PRW289

BERNTSEN
N 780555.939
E 353436.626
CTRS26

BERNTSEN
N 777932.421
E 353516.119
OTR64

CROSS RD

MATCH LINE
SEE SHEET 4.5

SCHEDULE OF LANDS & INTERESTS REQUIRED

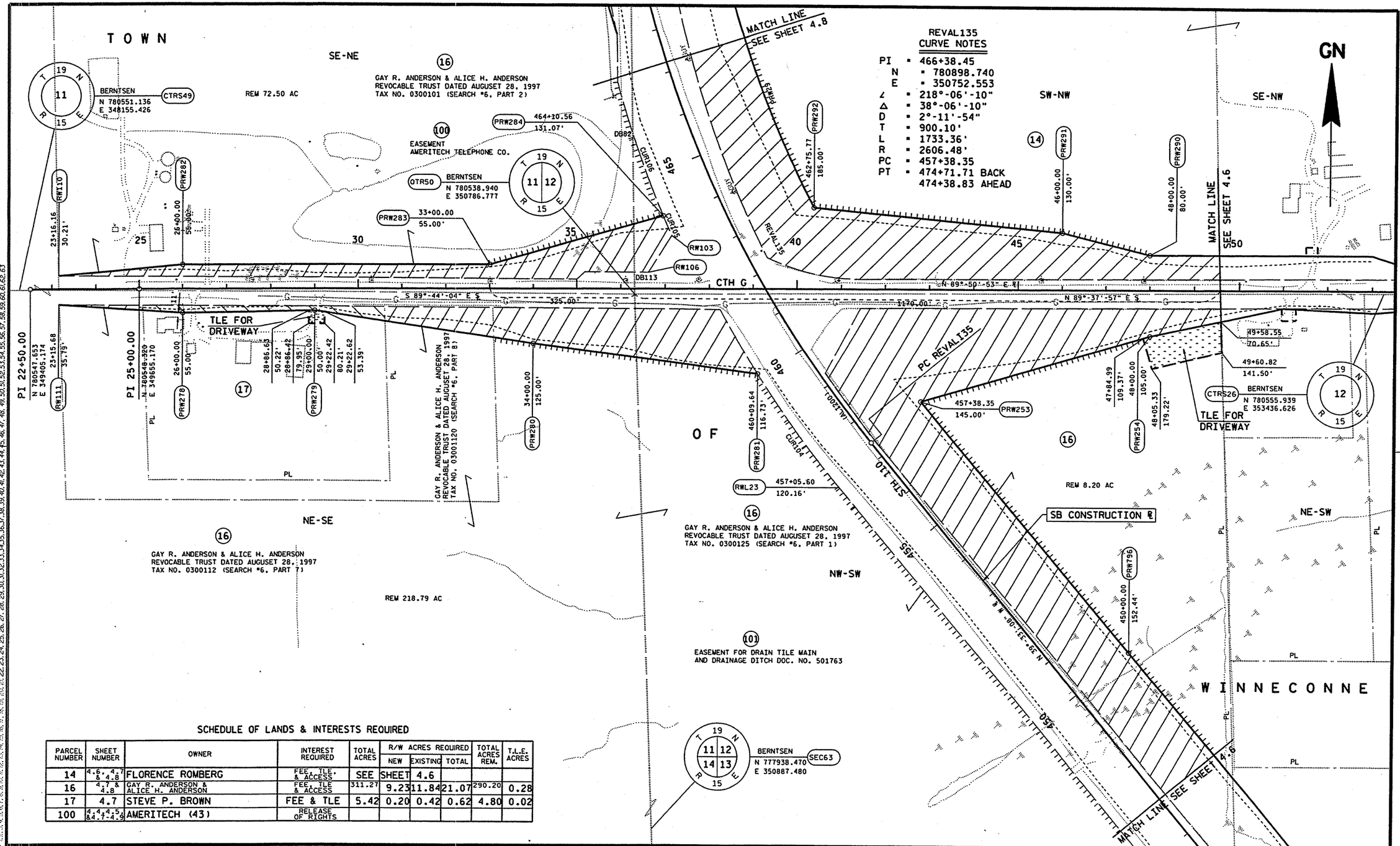
PARCEL NUMBER	SHEET NUMBER	OWNER	INTEREST REQUIRED	TOTAL ACRES	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TOTAL ACRES REM.	T.L.E. ACRES
2*	4.6	RONALD D. MILLER							-
10	4.6	BARBARA A. ZELLER	FEE & ACCESS	74.59	5.49	5.28	10.97	63.62	-
11	4.6	JEFFERY H. POLLEI	FEE & ACCESS	7.18	0.29	0	0.29	6.89	-
12	4.6	BRUCE A. & CHERYL E. KMECHECK	FEE & TLE	5.96	0.07	0.24	0.31	5.89	0.02
13	4.6	BRIAN W. & JULIE A. HALL	FEE	12.35	0.02	0.13	0.15	12.20	-
14	4.6, 4.7 & 4.8	FLORENCE ROMBERG	FEE, TLE & ACCESS	157.0	9.44	5.42	14.86	142.14	0.01
25	4.6	TIMOTHY J. DOEHLING & DIANE M. DOEHLING	ACCESS						
27	4.6	ALAN M. & PAULA S. LONG	FEE & ACCESS	0.84	0.04	0.46	0.50	0.34	-

*PARCEL AQUIRED
DOCUMENT NUMBER 1039886
DATE: 12-23-98

REVISION DATE	DATE: 8-4-99	SCALE. FEET 0 100 200	HWY: STH 110	CONSTRUCTION PROJECT NUMBER: 6200-05-71	PS&E SHEET NO: 4.39
	GRID FACTOR: 0.999997		COUNTY: WINNEBAGO	STATE R/W PROJECT NUMBER: 6200-05-23	PLAT SHEET NO: 4.6 E

FILE NAME : F:±d3_620005±d3427.dgn PLOT DATE: 27-SEP-2001 13:15 ORG DATE : 7-11-00 PLOT NAME : d3427d.i Originator : DIST3JMM PLOT SCALE : 200.606061:1.000000 WISDOT/CADDS SHEET 75

LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63



SCHEDULE OF LANDS & INTERESTS REQUIRED

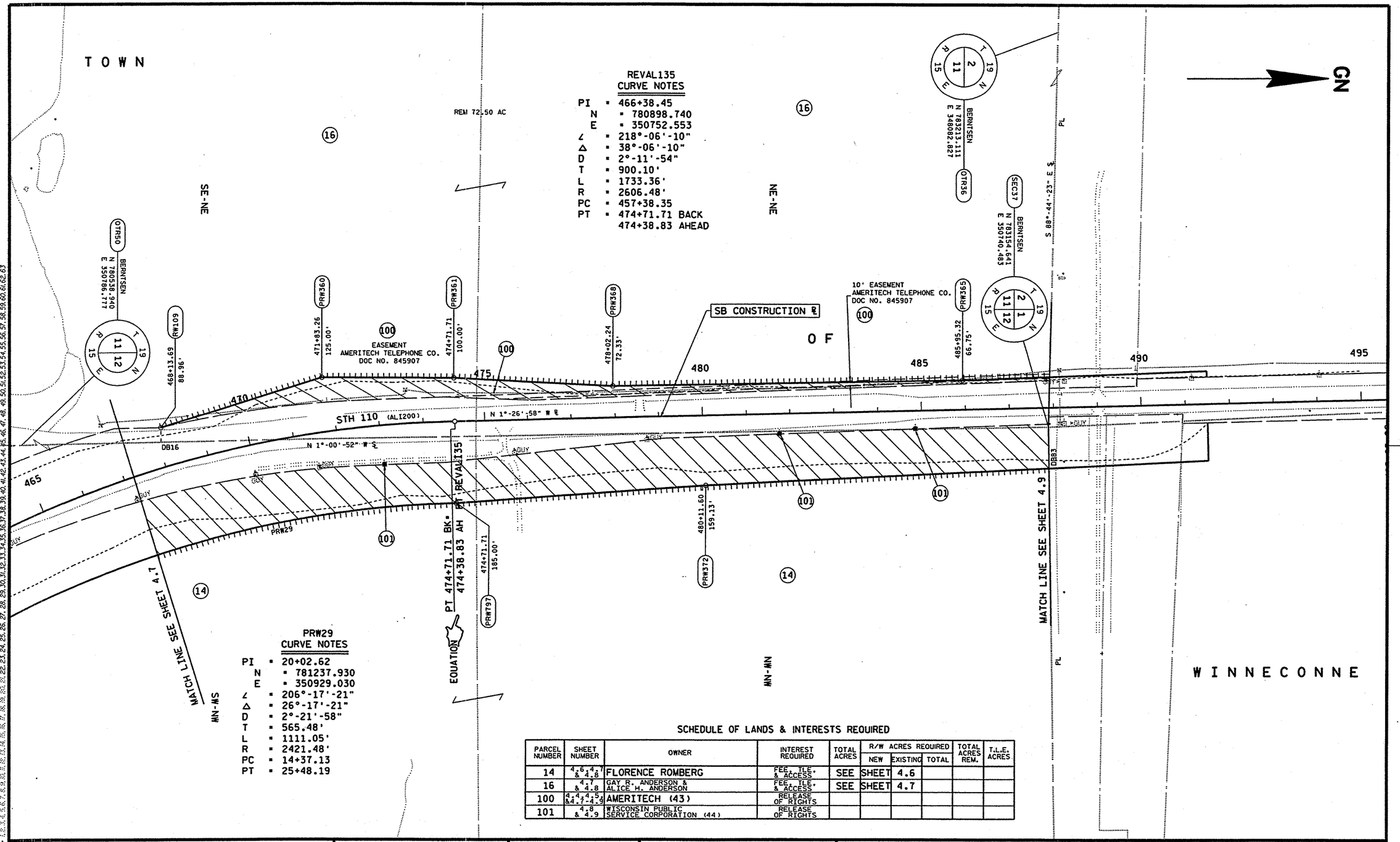
PARCEL NUMBER	SHEET NUMBER	OWNER	INTEREST REQUIRED	TOTAL ACRES	R/W ACRES REQUIRED NEW	R/W ACRES REQUIRED EXISTING	R/W ACRES REQUIRED TOTAL	TOTAL ACRES REM.	T.L.E. ACRES
14	4.6, 4.7 & 4.8	FLORENCE ROMBERG	FEE, TLE, & ACCESS	SEE SHEET 4.6					
16	4.7 & 4.8	GAY R. ANDERSON & ALICE H. ANDERSON	FEE, TLE & ACCESS	311.27	9.23	11.84	21.07	290.20	0.28
17	4.7	STEVE P. BROWN	FEE & TLE	5.42	0.20	0.42	0.62	4.80	0.02
100	4.4, 4.5 & 4.7-4.9	AMERITECH (43)	RELEASE OF RIGHTS						

REVISION DATE	DATE: 8-4-99	SCALE, FEET 0 100 200	HWY: STH 110	CONSTRUCTION PROJECT NUMBER: 6200-05-71	PS&E SHEET NO: 440
	GRID FACTOR: 0.999997		COUNTY: WINNEBAGO	STATE R/W PROJECT NUMBER: 6200-05-23	PLAT SHEET NO: 4.7 E

FILE NAME : F:±d3_620005±d3428.dgn PLOT DATE: 27-SEP-2001 13:15 ORG DATE : 7-11-00 PLOT NAME : d3428d.i Originator : DIST3JMM PLOT SCALE : 200.606061:1.000000

WISDOT/CADDS SHEET 75

LEVELS ON - 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63



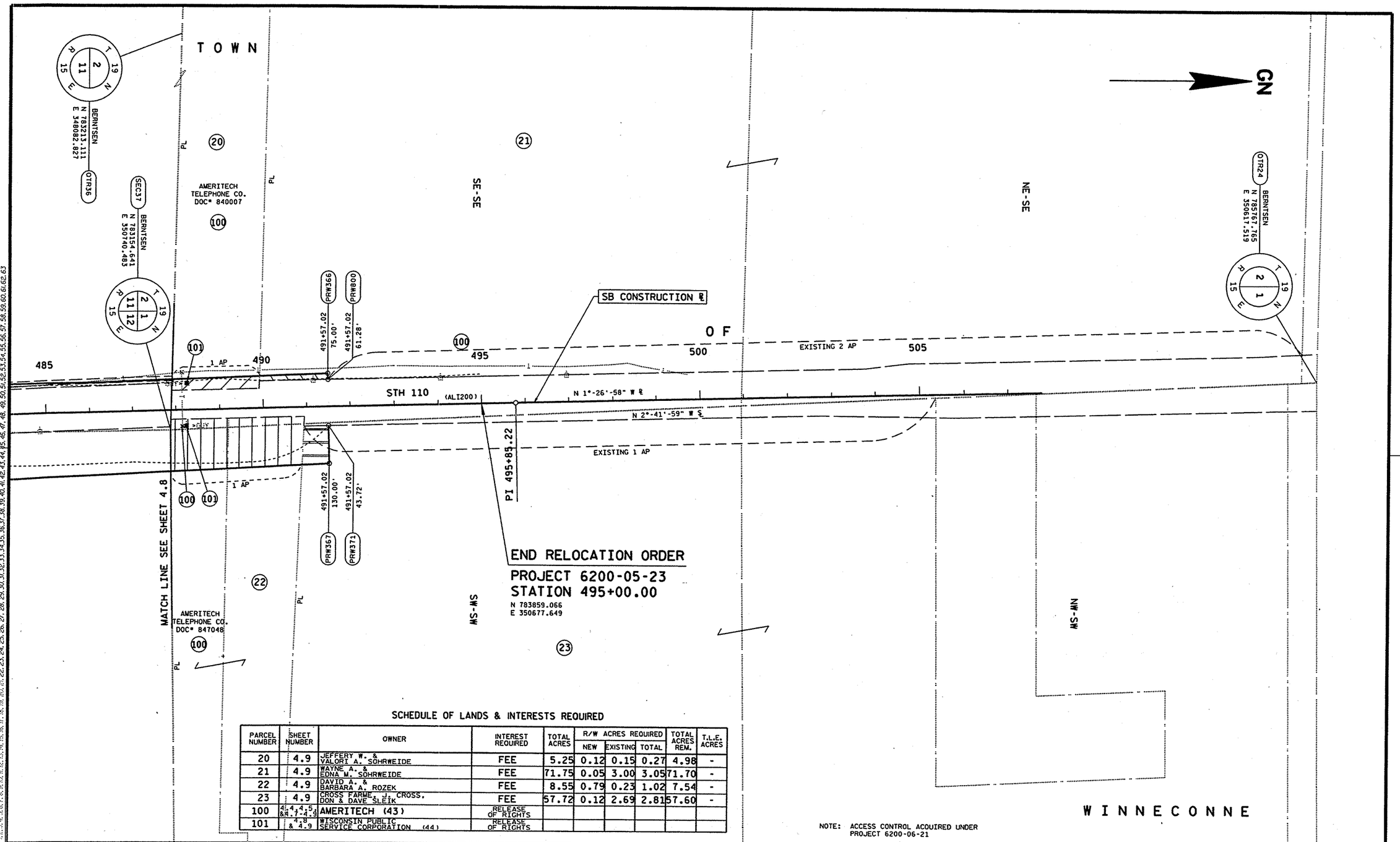
SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	SHEET NUMBER	OWNER	INTEREST REQUIRED	TOTAL ACRES	R/W ACRES REQUIRED			TOTAL ACRES REM.	T.L.E. ACRES
					NEW	EXISTING	TOTAL		
14	4.6 4.7 & 4.8	FLORENCE ROMBERG	FEE, TLE, & ACCESS	SEE	SHEET	4.6			
16	4.7 & 4.8	GAY R. ANDERSON & ALICE H. ANDERSON	FEE, TLE, & ACCESS	SEE	SHEET	4.7			
100	4.4 4.7 4.5 & 4.7-4.9	AMERITECH (43)	RELEASE OF RIGHTS						
101	4.8 & 4.9	WISCONSIN PUBLIC SERVICE CORPORATION (44)	RELEASE OF RIGHTS						

REVISION DATE	DATE: 8-4-99	SCALE, FEET 0 100 200	HWY: STH 110	CONSTRUCTION PROJECT NUMBER: 6200-05-71	PS&E SHEET NO: 4.41	
	GRID FACTOR: 0.999997		COUNTY: WINNEBAGO	STATE R/W PROJECT NUMBER: 6200-05-23	PLAT SHEET NO: 4.8	E

FILE NAME : F:±d3_620005±d3429.dgn PLOT DATE: 27-SEP-2001 13:15 ORG DATE : 7-11-00 PLOT NAME : d3429d.i Originator : DIST3JMM PLOT SCALE : 200.606061:1.000000 WISDOT/CADDS SHEET 75

LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63



SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	SHEET NUMBER	OWNER	INTEREST REQUIRED	TOTAL ACRES	R/W ACRES REQUIRED			TOTAL ACRES REM.	T.L.E. ACRES
					NEW	EXISTING	TOTAL		
20	4.9	JEFFERY W. & VALORI A. SOHRWEIDE	FEE	5.25	0.12	0.15	0.27	4.98	-
21	4.9	WAYNE A. & EDNA M. SOHRWEIDE	FEE	71.75	0.05	3.00	3.05	71.70	-
22	4.9	DAVID A. & BARBARA A. ROZEK	FEE	8.55	0.79	0.23	1.02	7.54	-
23	4.9	CROSS FARMS, LLC CROSS, DON & DAVE SLEIK	FEE	57.72	0.12	2.69	2.81	57.60	-
100	4.4,4.5 &4.7-4.9	AMERITECH (43)	RELEASE OF RIGHTS						
101	4.8 & 4.9	WISCONSIN PUBLIC SERVICE CORPORATION (44)	RELEASE OF RIGHTS						

REVISION DATE	DATE: 8-4-99	SCALE. FEET 0 100 200	HWY: STH 110	CONSTRUCTION PROJECT NUMBER: 6200-05-71	PS&E SHEET NO: 4.42
	GRID FACTOR: 0.999997		COUNTY: WINNEBAGO	STATE R/W PROJECT NUMBER: 6200-05-23	PLAT SHEET NO: 4.9 E

LEVELS ON - 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

FILE NAME : F:±d3_620005±d3430.dgn PLOT DATE: 27-SEP-2001 13:15 ORG DATE : 7-11-00 PLOT NAME : d3430d.i Originator : DIST3JMM PLOT SCALE : 200.606061:1.000000 WISDOT/CADDS SHEET 75

ENV1 PLAN SHEET 4.3 & 4.4 PARCELS 1,4,15,24

POINT	DISTANCE	BEARING		GROUND COORDINATES	
OTR90			N	772665.198 E	353680.420
	1948.527'	S 89°52'58" W			
DB102			N	772661.212 E	351731.897
	42.926'	N 0°14'32" W			
PRW806			N	772704.137 E	351731.716
	801.627'	N 86°21'41" E			
PRW803			N	772755.013 E	352531.727
	641.949'	N 89°12'27" E			
PRW804			N	772763.892 E	353173.615
	115.227'	N 1°47'03" W			
PL85			N	772879.063 E	353170.027
	460.061'	N 49°10'59" E			
PRW766			N	773179.779 E	353518.202
	146.090'	N 88°12'46" E			
DB103			N	773184.335 E	353664.221
	519.390'	S 1°47'14" E			
OTR90					

ENV2 PLAN SHEET 4.2 PARCEL 5,6

POINT	DISTANCE	BEARING		GROUND COORDINATES	
OTR64			N	777932.421 E	353516.119
	1187.640'	S 1°47'10" E			
DB105			N	776675.174 E	353555.324
	74.900'	N 88°12'50" E			
PRW272			N	776677.662 E	353635.124
	432.550'	S 6°03'26" E			
PRW271			N	776317.559 E	353673.645
	800.000'	S 6°06'21" E			
PRW270			N	775522.097 E	353758.737
	233.930'	S 13°31'52" E			
PRW273			N	775294.656 E	353813.471
	215.100'	N 89°58'48" W			
CTRS77			N	775294.731 E	353598.371
	1451.340'	N 1°47'10" W			
DB105					

PAR3 PLAN SHEET 4.5 PARCEL 3

POINT	DISTANCE	BEARING		GROUND COORDINATES	
OTR64			N	777932.421 E	353516.119
	2717.704'	S 1°47'10" E			
DB106			N	775216.037 E	353600.826
	145.747'	S 88°12'46" W			
PRW762			N	775211.492 E	353455.150
	600.004'	N 6°00'45" W			
PRW767			N	775808.195 E	353392.303
	700.000'	N 5°49'00" W			
PRW768			N	776504.591 E	353321.361
	200.000'	N 5°49'00" W			
PRW769			N	776703.561 E	353301.092
	200.250'	N 8°40'44" W			
PRW770			N	776901.518 E	353270.874
	229.330'	N 5°49'00" W			
CURVE PRW56					
PC			N	777129.667 E	353247.632
		L.C. = 314.281'			
		L.C.B. = N 12°23'30" W			
		Radius = 1372.390'			
		ARC = 314.972'			
PT			N	777436.626 E	353180.190
CURVE PRW56					
	322.444'	N 18°57'59" W			
CURVE PRW57					
PC			N	777741.565 E	353075.392
		L.C. = 264.617'			
		L.C.B. = N 54°42'46" W			
		Radius = 216.480'			
		ARC = 284.694'			
PT			N	777894.428 E	352859.394
CURVE PRW57					
	287.158'	N 88°52'37" W			
PRW802			N	777900.056 E	352572.291
	97.455'	N 79°10'27" W			
PRW801			N	777918.361 E	352476.570
	16.451'	N 0°07'54" E			
DB108			N	777934.811 E	352476.608
	1039.514'	S 89°52'06" E			
OTR64					

PAR4 PLAN SHEET 4.5 PARCEL 4 (LOT 1 OF CSW3941)

POINT	DISTANCE	BEARING		GROUND COORDINATES	
OTR64			N	777932.421 E	353516.119
	1319.664'	S 1°47'40" E			
SIX35			N	776613.404 E	353557.439
	247.203'	N 89°54'37" W			
DB117			N	776613.791 E	353310.236
	90.234'	N 5°49'00" W			
PRW769			N	776703.561 E	353301.092
	200.250'	N 8°40'45" W			
PRW770			N	776901.518 E	353270.874
	206.721'	N 5°49'00" W			
DB38			N	777107.174 E	353249.924
	70.409'	N 86°32'10" E			
CURVE CUR100					
PC			N	777111.428 E	353320.204
		L.C. = 584.460'			
		L.C.B. = N 21°35'12" W			
		Radius = 1713.860'			
		ARC = 587.330'			
PT			N	777654.896 E	353105.177
CURVE CUR100					
	91.644'	N 18°57'59" W			
CURVE KC35					
PC			N	777741.565 E	353075.392
		L.C. = 264.617'			
		L.C.B. = N 54°42'46" W			
		Radius = 226.48'			
		ARC = 282.60'			
PT			N	777894.428 E	352859.394
CURVE KC35					
	287.158'	N 88°52'37" W			
PRW802			N	777900.056 E	352572.291
	97.455'	N 79°10'27" W			
PRW801			N	777918.361 E	352476.570
	16.451'	N 0°07'54" E			
DB108			N	777934.811 E	352476.608
	1039.514'	S 89°52'06" E			
OTR64					

PAR9 PLAN SHEET 4.2 PARCEL 9

POINT	DISTANCE	BEARING		GROUND COORDINATES	
OTR64			N	777932.421 E	353516.119
	237.250'	S 1°47'40" E			
RWR1			N	777695.287 E	353523.548
	106.552'	S 89°52'39" W			
PRW261			N	777695.060 E	353416.996
	30.000'	S 89°45'36" W			
CURVE RW4					
PC			N	777694.934 E	353386.996
		L.C. = 146.321'			
		L.C.B. = N 30°26'40" W			
		Radius = 1965.000'			
		ARC = 146.355'			
PT			N	777821.081 E	353312.855
CURVE RW4					
	111.881'	N 1°56'52" W			
DB50			N	777932.897 E	353309.052
	30.463'	S 89°52'06" E			
DB104			N	777932.827 E	353339.516
	12.606'	S 0°07'54" W			
PRW260			N	777920.221 E	353339.487
	128.099'	S 15°31'13" E			
PRW809			N	777796.792 E	353373.763
	110.538'	S 23°01'25" E			
PRW261					

ENV5 PLAN SHEET 4.3 PARCEL 10,27

POINT	DISTANCE	BEARING		GROUND COORDINATES	
OTR64			N	777932.421 E	353516.119
	641.454'	N 89°52'06" W			
DB177			N	777933.896 E	352874.666
	428.139'	N 89°52'06" W			
DB58			N	777934.880 E	352446.528
	49.243'	N 0°07'54" E			
PRW257			N	777984.123 E	352446.642
	101.119'	N 81°00'36" E			
PRW258			N	777999.924 E	352546.518
	198.897'	N 89°33'51" E			
PRW259			N	778001.437 E	352745.409
	129.419'	N 89°33'51" E			
PRW262			N	778002.421 E	352874.824
	68.525'	S 0°07'54" W			
DB177					

ENV4 PLAN SHEET 4.6 PARCEL 10,11

POINT	DISTANCE	BEARING		GROUND COORDINATES	
OTR64			N	777932.421 E	353516.119
	192.570'	N 89°52'06" W			
DB110			N	777932.864 E	353323.549
	448.744'	N 89°52'06" W			
DB123			N	777933.896 E	352874.806
	53.660'	N 0°07'54" E			
RWL21			N	777987.555 E	352874.930
	180.832'	N 0°24'28" W			
RWL22			N	778168.383 E	352873.643
	200.802'	N 39°56'15" W			
RWL24			N	778322.347 E	352744.737
	903.113'	N 39°56'15" W			
DB125			N	779014.804 E	352164.981
	226.775'	N 1°59'28" W			
DB126			N	779241.442 E	352157.103
	210.797'	N 1°59'28" W			
DB127			N	779452.112 E	352149.779
	383.322'	S 40°07'47" E			
PRW252			N	779159.029 E	352396.837
	350.321'	S 42°00'23" E			
PRW251			N	778898.715 E	352631.277
	625.936'	S 40°00'36" E			
CURVE PRW27					
PC			N	778419.290 E	353033.703
		L.C. = 471.842'			
		L.C.B. = S 33°56'19" E			
		Radius = 2411.830'			
		ARC = 472.598'			
PT			N	778027.833 E	353297.136
CURVE PRW27					
	47.538'	S 33°56'22" E			
PRW794			N	777988.393 E	353323.677
	55.530'	S 0°07'54" W			
DB110			N	777932.864 E	353323.549

LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

REVISION DATE	DATE 8-4-99	NOT TO SCALE	HWY: STH 110	CONSTRUCTION PROJECT NUMBER 6200-05-71	PS&E SHEET NO: 4.43	
			COUNTY: WINNEBAGO	STATE R/W PROJECT NUMBER 6200-05-23	PLAT SHEET NO: 4.10	E

ENV6 PLAN SHEET 4.6 PARCEL 12,13,16,17

POINT	DISTANCE	BEARING		GROUND COORDINATES	
QTR50			N	780538.940 E	350786.777
	1825.880'	N 89°37'57" E			
DB111			N	780550.653 E	352612.620
	32.979'	S 0°22'03" E			
PR₩293			N	780517.675 E	352612.831
	157.987'	S 85°40'02" W			
PR₩256			N	780505.739 E	352455.296
	200.250'	N 87°17'22" W			
PR₩255			N	780515.208 E	352255.270
	306.961'	S 77°37'23" W			
PR₩254			N	780449.413 E	351955.443
	539.866'	S 73°36'28" W			
PR₩253			N	780297.057 E	351437.521
	738.382'	S 40°07'47" E			
PR₩796			N	779732.499 E	351913.423
	366.716'	S 40°07'47" E			
DB65			N	779452.112 E	352149.779
	210.790'	S 1°55'45" E			
PL75			N	779241.442 E	352156.875
	181.330'	S 89°52'52" W			
DB76			N	779241.065 E	351975.546
	1124.099'	N 39°56'15" W			
CURVE CUR104					
PC			N	780102.962 E	351253.928
	L.C. = 316.197'				
	L.C.B. = N 36°15'37" W				
	Radius = 2465.000'				
	ARC = 316.414'				
PT			N	780357.924 E	351066.912
CURVE CUR104					
	515.883'	N 82°27'02" W			
PR₩280			N	780425.702 E	350555.501
	505.594'	N 81°37'16" W			
PR₩279			N	780499.376 E	350055.304
	300.042'	S 88°53'36" W			
PR₩278			N	780493.581 E	349755.318
	284.968'	N 86°17'11" W			
R₩3107			N	780512.038 E	349470.949
	66.001'	N 0°15'53" E			
R₩430			N	780578.038 E	349471.254
	284.920'	N 84°51'24" E			
PR₩282			N	780603.581 E	349755.027
	700.000'	N 89°50'53" E			
PR₩283			N	780605.436 E	350455.024
	410.366'	N 74°11'10" E			
CURVE CUR105					
PC			N	780717.267 E	350849.859
	L.C. = 48.762'				
	L.C.B. = S 23°26'26.7" E				
	Radius = 2490.000'				
	ARC = 48.763'				
PT			N	780672.530 E	350869.257
CURVE CUR105					
	98.421'	S 31°41'30" W			
R₩106			N	780588.784 E	350817.551
	31.659'	N 89°43'54" W			
DB113			N	780588.932 E	350785.892
	50.000'	S 1°00'50" E			
QTR50					

ENV14 PLAN SHEET 4.6 & 4.7 PARCEL 14

POINT	DISTANCE	BEARING		GROUND COORDINATES	
QTR50			N	780538.940 E	350786.777
	50.000'	N 1°00'50" W			
DB81			N	780588.932 E	350785.892
	31.659'	S 89°43'54" E			
R₩106			N	780588.784 E	350817.551
	98.421'	N 31°41'30" E			
CURVE CUR106					
PC			N	780672.530 E	350869.257
	L.C. = 246.211'				
	L.C.B. = N 21°10'05" W				
	Radius = 2490.000'				
	ARC = 246.312'				
PT			N	780902.128 E	350780.349
CURVE CUR106					
	2252.866'	N 1°00'50" W			
SEC37			N	783154.641 E	350740.483
	94.258'	N 89°05'02" E			
DB83			N	783156.148 E	350834.729
	781.987'	S 2°54'23" E			
PR₩372			N	782375.167 E	350874.379
	573.357'	S 4°02'07" E			
CURVE PR₩29					
PC			N	781803.231 E	350914.726
	L.C. = 1101.333'				
	L.C.B. = S 14°35'38" E				
	Radius = 2421.480'				
	ARC = 1111.053'				
PT			N	780737.432 E	351192.227
CURVE PR₩29					
	565.137'	S 84°33'46" E			
PR₩291			N	780683.882 E	351754.821
	206.155'	S 76°06'56" E			
PR₩290			N	780634.413 E	351954.953
	500.000'	N 89°50'53" E			
PR₩288			N	780635.738 E	352454.951
	165.840'	S 71°42'10" E			
PR₩289			N	780583.673 E	352612.407
	33.021'	S 0°22'10" E			
DB111			N	780550.653 E	352612.620
	1825.880'	S 89°37'57" W			
QTR50					

PAR16 PLAN SHEET 4.8 PARCEL 16

POINT	DISTANCE	BEARING		GROUND COORDINATES	
SEC37			N	783154.641 E	350740.483
	2028.937'	S 1°00'50" E			
DB116			N	781126.022 E	350776.387
	33.000'	S 88°59'10" W			
R₩109			N	781125.438 E	350743.392
	386.097'	N 17°12'34" W			
PR₩360			N	781494.249 E	350629.159
	301.774'	N 0°07'30" E			
PR₩361			N	781796.022 E	350629.817
	365.461'	N 2°53'32" E			
PR₩368			N	782161.018 E	350648.258
	799.124'	N 1°02'56" W			
PR₩365			N	782960.008 E	350633.629
	197.317'	N 2°18'07" W			
DB84			N	783157.166 E	350625.704
	114.807'	S 88°44'23" E			
SEC37					

ENV7 PLAN SHEET 4.9 PARCEL 22,23

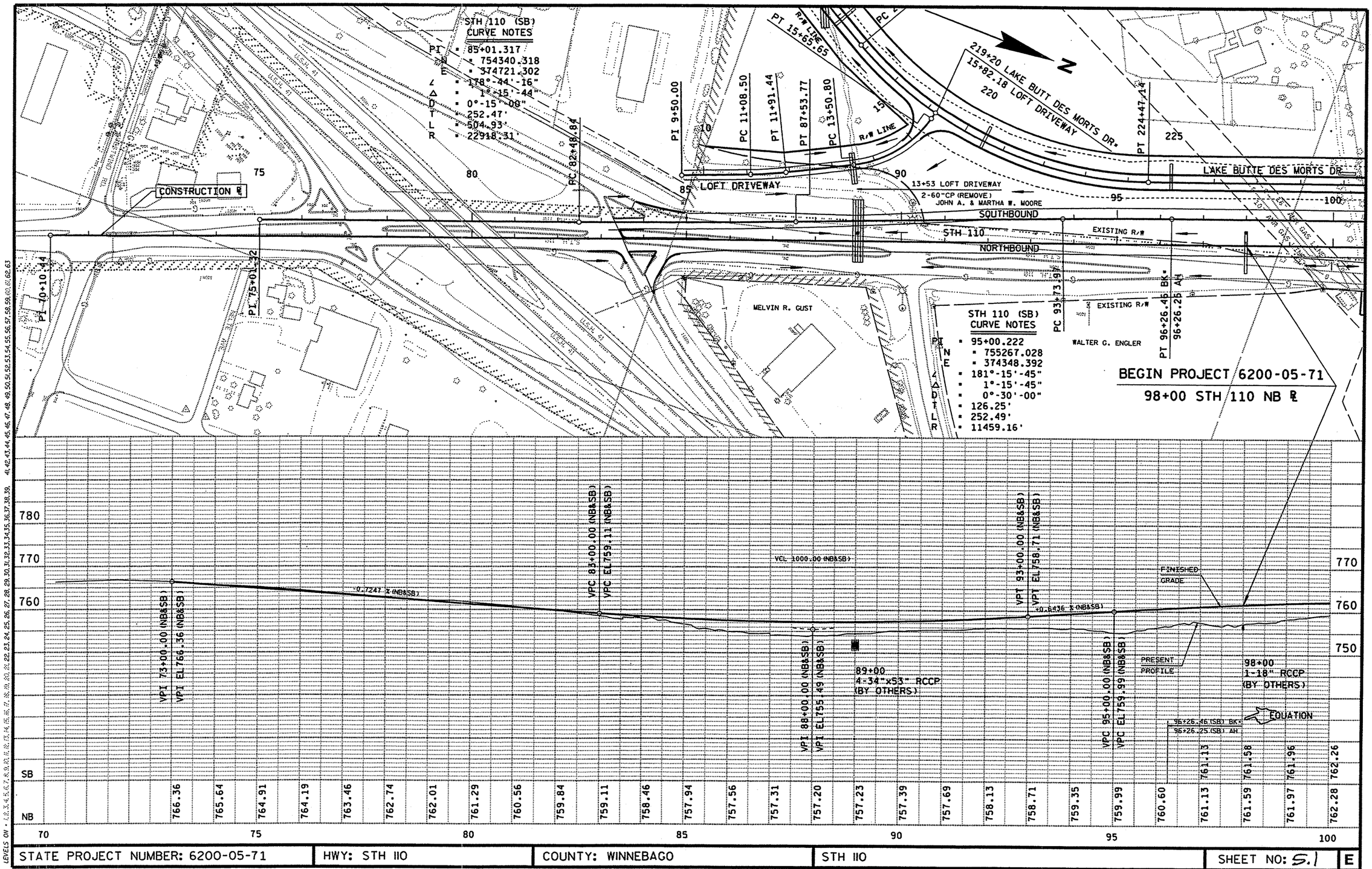
POINT	DISTANCE	BEARING		GROUND COORDINATES	
SEC37			N	783154.641 E	350740.483
	56.727'	N 88°44'23" W			
DB87			N	783155.889 E	350683.770
	304.327'	N 1°24'21" W			
DB115			N	783460.124 E	350676.303
	33.169'	N 88°35'39" E			
R₩62			N	783460.938 E	350709.462
	22.050'	S 87°41'40" E			
R₩61			N	783460.051 E	350731.495
	57.272'	N 1°27'51" W			
PR₩371			N	783517.304 E	350730.031
	86.279'	N 88°33'02" E			
PR₩367			N	783519.486 E	350816.283
	363.807'	S 2°54'23" E			
DB83			N	783156.148 E	350834.729
	94.258'	S 89°05'02" W			
SEC37					

ENV10 PLAN SHEET 4.9 PARCEL 20 & 21

POINT	DISTANCE	BEARING		GROUND COORDINATES	
SEC37			N	783154.641 E	350740.483
	56.727'	N 88°44'23" W			
DB87			N	783155.889 E	350683.770
	58.080'	N 88°44'23" W			
DB84			N	783157.166 E	350625.704
	357.423'	N 2°18'07" W			
PR₩366			N	783514.301 E	350611.348
	13.717'	N 88°33'02" E			
PR₩800			N	783514.648 E	350625.061
	158.026'	S 1°23'07" E			
R₩3120			N	783356.668 E	350628.881
	50.000'	S 88°44'23" E			
DB89			N	783355.569 E	350678.869
	199.740'	S 1°24'21" E			
DB87					

LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

REVISION DATE	DATE 8-4-99	NOT TO SCALE	HWY: STH 110	CONSTRUCTION PROJECT NUMBER 6200-05-71	PS&E SHEET NO: 4.AA	
			COUNTY: WINNEBAGO	STATE R/W PROJECT NUMBER 6200-05-23	PLAT SHEET NO: 4.11	E

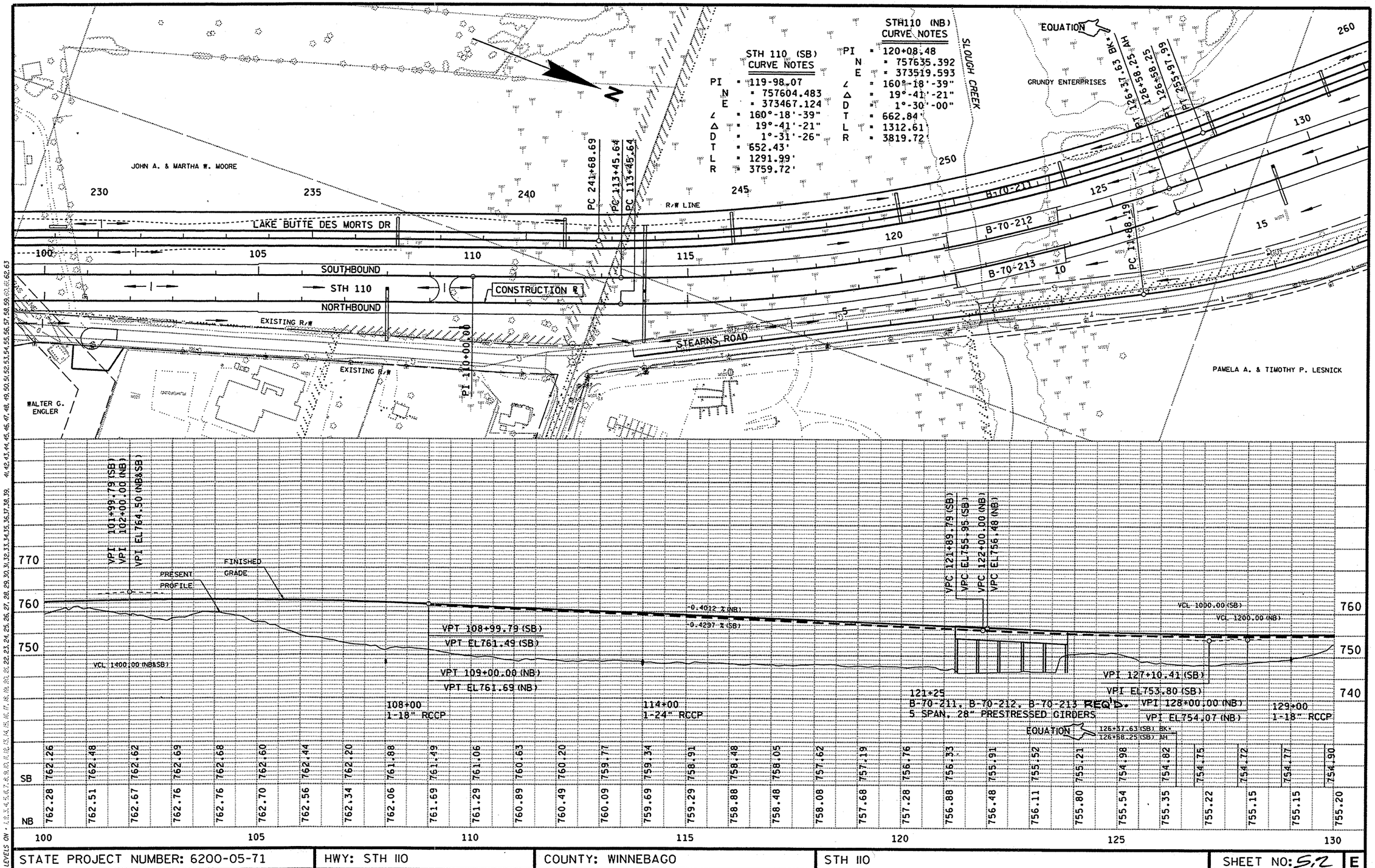


LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39, 41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	STH 110	SHEET NO: 5.1	E

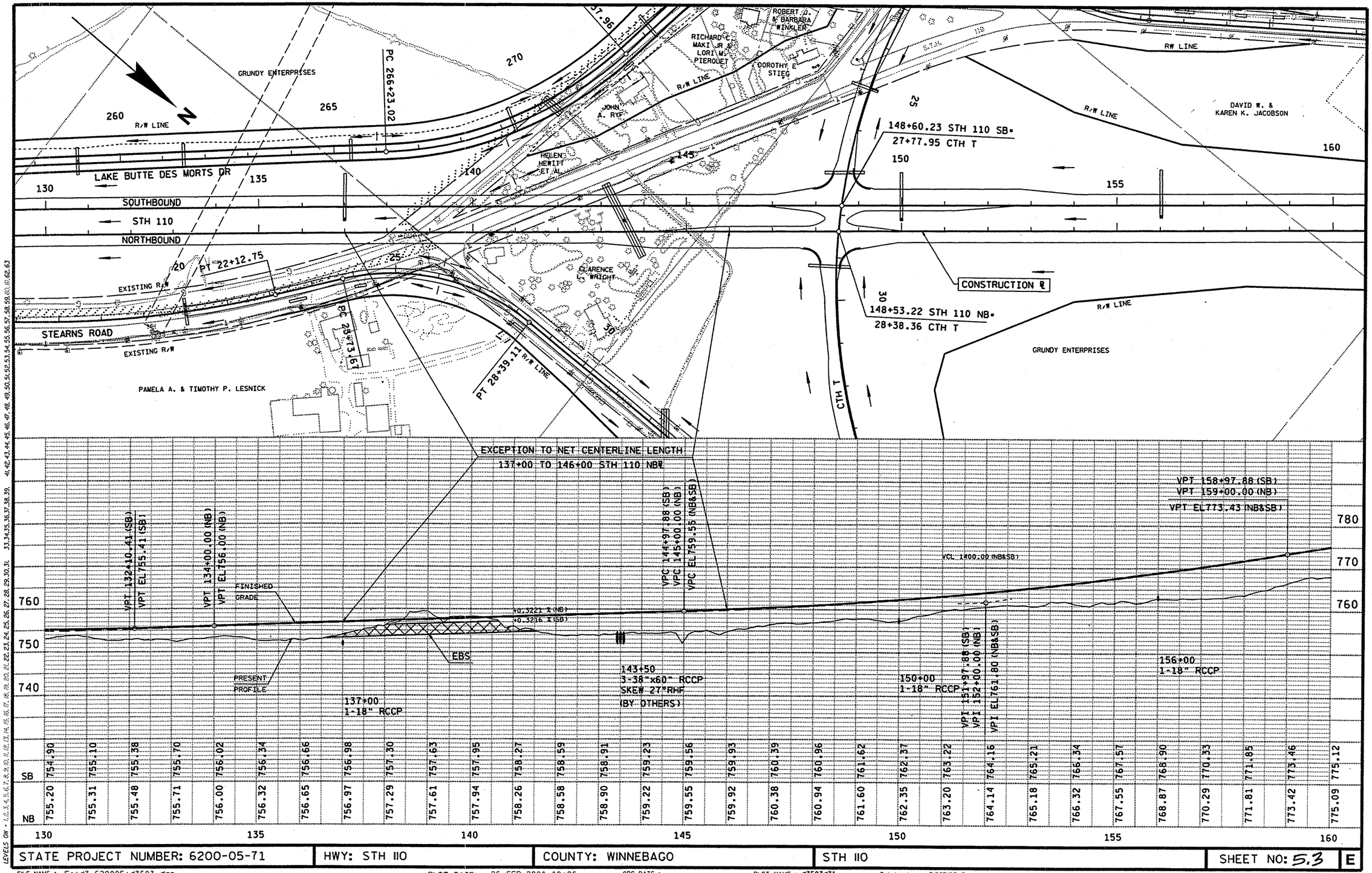
FILE NAME : F:±d3_620005±d3501.dgn PLOT DATE: 26-SEP-2001 10:48 ORG DATE : PLOT NAME : d3501d71 Originator : DISTRICT 3 PLOT SCALE : 200.700000:1.000000

WISDOT/CADDS SHEET 40



STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	STH 110	SHEET NO: 5,2 E

FILE NAME : F:±d3_620005±d3502.dgn PLOT DATE: 27-NOV-2001 09:36 ORG DATE : PLOT NAME : d3502d71 Originator : DISTRICT 3 PLOT SCALE : 200.700000:1.000000



STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	STH 110	SHEET NO: 5.3	E

LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31, 33,34,35,36,37,38,39, 41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

FILE NAME : F:±d3_620005±d3503.dgn PLOT DATE: 26-SEP-2001 10:26 ORG DATE : PLOT NAME : d3503d71 Originator : DISTRICT 3 PLOT SCALE : 200.700000:1.000000
WISDOT/CADDS SHEET 40

295
NW FRONTAGE ROAD
PI 295+42.13
DAVID W. & KAREN K. JAGOBSON
160
165
R/W LINE
170
175
SOUTHBOUND
STH 110
NORTHBOUND
CONSTRUCTION ℄
R/W LINE
MICHELS SUBDIV
GRUNDY ENTERPRISES
PI 47+50.88
PT 50+00.00
50+13.78 BK
0+00.00 AH
PC 31+05.13
183+00 STH 110
1-24" CP (REMOVE)
PARK & RIDE
PI 2+04.41
PC 182+08.96
PI 3+09.06
180
BL 70-215
BL 70-215
PT 37+71.79
PI 15+00.00
GRUNDY CE
PT
PC
EXISTING R/W
EXISTING R/W
CTH Y
CONSTRUCTION ℄
PC 4+45.24
PT 7+29.17
10
5
PT 13+65.95
PC 13+18.33
15
185
DITCH TO DRAIN
190
R/W LINE
WIOUWASH REC TRAIL
CONSTRUCTION ℄
GRUNDY FARMS

EXCEPTION TO NET CENTERLINE LENGTH
178+26.11 TO 179+74.73 STH 110 NB ℄

STH 110 (NB) CURVE NOTES

PI	= 198+29.082
N	= 763605.768
E	= 368447.996
∠	= 163°-54'-20"
Δ	= 16°-05'-40"
D	= 0°-30'-00"
T	= 1620.13'
L	= 3218.92'
R	= 11459.16'

STH 110 (SB) CURVE NOTES

PI	= 198+20.559
N	= 763560.458
E	= 368407.760
∠	= 163°-54'-20"
Δ	= 16°-05'-40"
D	= 0°-30'-09"
T	= 1611.64'
L	= 3202.06'
R	= 11399.16'

GRUNDY (CE) CURVE NOTES

PI	= 11+71.484
∠	= 113°-37'-40"
Δ	= 66°-22'-20"
D	= 57°-17'-45"
T	= 65.40'
L	= 115.84'
R	= 100.00'
PC	= 11+06.081
PT	= 12+21.922

WIOUWASH REC TRAIL CURVE NOTES

PI	= 6+47.070
∠	= 75°-02'-43"
Δ	= 104°-57'-17"
D	= 36°-57'-54"
T	= 201.83'
L	= 283.93'
R	= 155.00

WIOUWASH REC TRAIL CURVE NOTES

PI	= 13+42.141
∠	= 178°-14'-22"
Δ	= 1°-45'-22"
D	= 3°-41'-47"
T	= 23.81'
L	= 47.62'
R	= 1550.00'

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
606		SP IN PP #31 ALONG RR GRADE 150' LT OF EXISTING STH 110	782.57

VPT 179+97.88 (SB)
VPI 180+00.00 (NB&SB)
VPI EL808.30 (NB&SB)
FINISHED GRADE
-0.7063 % (NB)
-0.7085 % (SB)
VPT 186+47.88 (SB)
VPT EL803.70 (SB)
VPT 186+50.00 (NB)
VPT EL803.71 (NB)
VCL 1300.00 (NB&SB)
PRESENT PROFILE
VPC 173+47.88 (SB)
VPC 173+50.00 (NB)
VPC EL797.51 (NB&SB)
+1.6607 % (NB&SB)
EBS
162+00
1-18" RCCP
170+00
1-18" RCCP
178+50
1-30" RCCP
SKEW 10° LHF
188+00
1-54" RCCP
189+50
1-18" RCCP

	160	165	170	175	180	185	190
SB	775.09	776.75	778.41	780.07	781.73	783.39	785.05	786.71	788.37	790.03	791.69	793.35	795.01	796.68	798.31	799.79	801.09	802.20	803.14	803.89	804.45	804.84	805.04	805.07	804.91	804.56	804.04	803.36	802.65	801.94	801.24
NB	775.13	776.78	778.44	780.10	781.76	783.42	785.09	786.75	788.41	790.07	791.73	793.39	795.05	796.71	798.35	799.82	801.11	802.22	803.15	803.90	804.46	804.84	805.04	805.06	804.89	804.54	804.01	803.33	802.62	801.91	801.20

LEVELS ON : 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	STH 110	SHEET NO: 5.4	E

FILE NAME : F:±d3_620005±d3504.dgn PLOT DATE: 18-SEP-2001 10:36 ORG DATE : PLOT NAME : d3504d71 Originator : DISTRICT 3 PLOT SCALE : 200.700000:1.000000

WISDOT/CADDS SHEET 40

STH 110 (NB)
CURVE NOTES

PI = 198+29.082
N = 763605.768
E = 368447.996
∠ = 163°-54'-20"
Δ = 16°-05'-40"
D = 0°-30'-00"
T = 1620.13'
L = 3218.92'
R = 11459.16'

STH 110 (SB)
CURVE NOTES

PI = 198+20.559
N = 763560.458
E = 368407.760
∠ = 163°-54'-20"
Δ = 16°-05'-40"
D = 0°-30'-09"
T = 1611.64'
L = 3202.06'
R = 11399.16'

ESTATE OF ELDOR O. SCHULTZ

EQUATION
BK = PT 214+11.02
AH = PT. 214+27.87

R/W LINE
SOUTHBOUND
STH 110
NORTHBOUND
CONSTRUCTION ℄
WIOUWASH REC TRAIL
CONSTRUCTION ℄
R/W LINE
CONSTRUCTION LIMITS
29+00
ESTATE OF ELDOR O. SCHULTZ

WIOUWASH REC TRAIL
CURVE NOTES

PI = 27+57.685
∠ = 198°-50'-44"
Δ = 18°-50'-44"
D = 36°-57'-54"
T = 25.72'
L = 50.98'
R = 155.00'

GRUNDY FARMS
PC 27+31.96
PT 27+82.94
GRUNDY WOODLOT 47Wn602

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
6036	192+00	PK IN PP -36 100' LT SB STH 110	788.02
6037	202+00	PK IN PP 210' RT NB STH 110	797.31

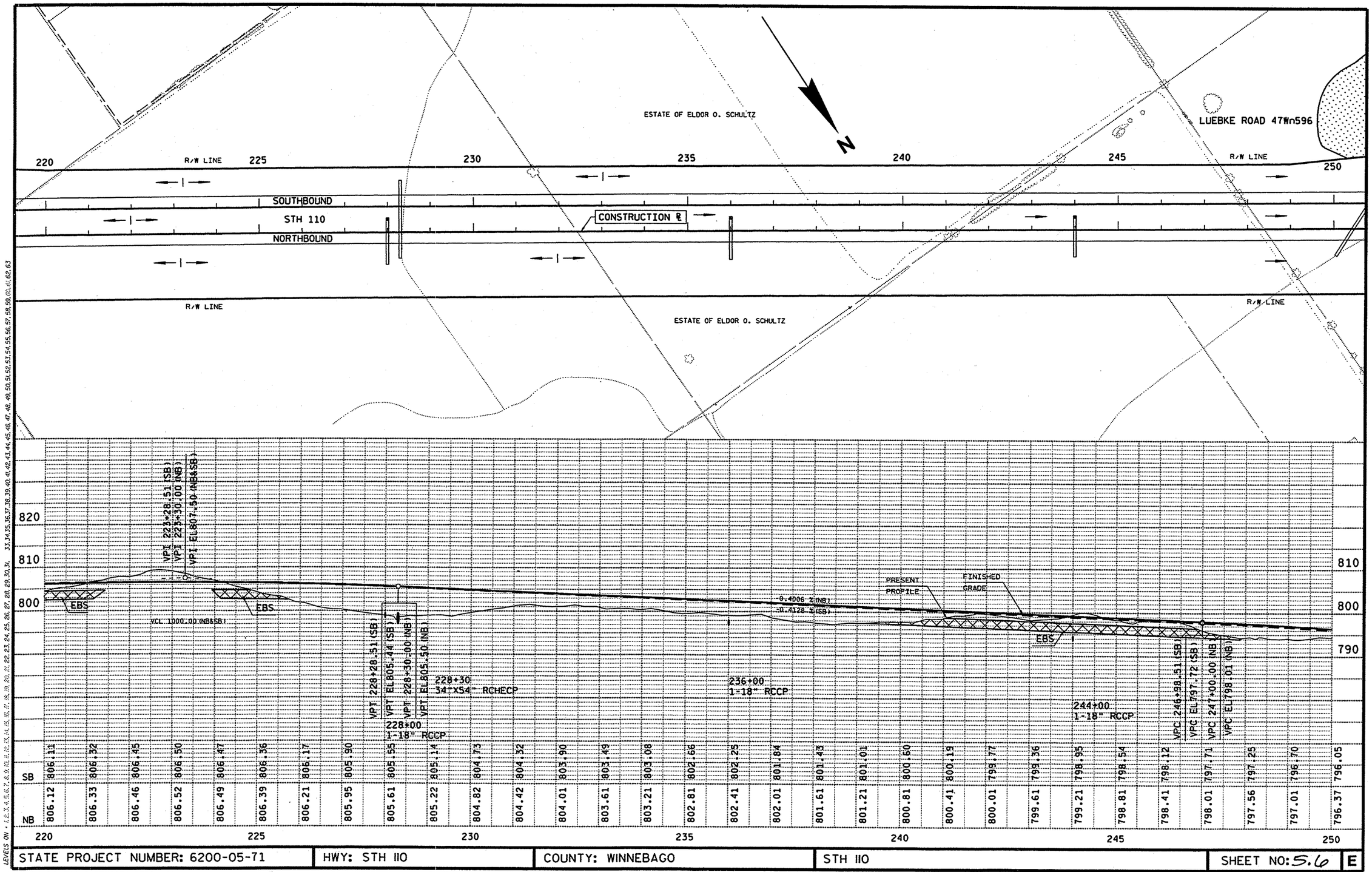
VPC 190+42.88 (SB)
VPC EL800.90 (SB)
VPC 190+50.00 (NB)
VPC EL800.88 (NB)
VCL 1100.00 (NB&SB)
VPT 201+42.88 (SB)
VPT EL799.12 (SB)
VPT 201+50.00 (NB)
VPT EL799.12 (NB)
FINISHED GRADE
-0.3845 % (NB)
-0.3862 % (SB)
EBS
VPC 218+28.51 (SB)
VPC 218+30.00 (NB)
VPC EL805.58 (NB)
VPC EL805.57 (SB)
VPI 195+92.88 (SB)
VPI EL797.00 (SB)
VPI 196+00.00 (NB)
VPI EL797.00 (NB)
PRESENT PROFILE
198+00
1-18" RCCP
204+00
1-18" RCCP
209+60
2-54" RCCP
EQUATION
214+11.02 (SB) BK
214+27.87 (SB) AH
211+00
1-18" RCCP
218+00
1-18" RCCP

	190	195	200	205	210	215	220
SB	801.20	800.51	799.91	799.40	799.00	798.70	798.49	798.39	798.38	798.48	798.67	798.97	799.34	799.73	800.12	800.50	800.89	801.28	801.66	802.05	802.43	802.82	803.21	803.59	803.98	804.36	804.69	805.07	805.46	805.82	806.11
NB	801.24	800.54	799.94	799.43	799.02	798.71	798.50	798.39	798.38	798.46	798.65	798.94	799.31	799.69	800.08	800.46	800.85	801.23	801.62	802.00	802.38	802.77	803.15	803.54	803.92	804.31	804.69	805.08	805.46	805.83	806.12

STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	STH 110	SHEET NO: 5.5	E

FILE NAME : F:±d3_620005±d3505.dgn
PLOT DATE: 26-SEP-2001 10:32
ORG DATE :
PLOT NAME : d3505d71
Originator : DISTRICT 3
PLOT SCALE : 200.700000:1.000000

WISDOT/CADDS SHEET 40



LEVELS ON : 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31, 33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	STH 110	SHEET NO: 5.6	E

FILE NAME : F:±d3_620005±d3506.dgn PLOT DATE: 17-SEP-2001 11:17 ORG DATE : PLOT NAME : d3506d71 Originator : DISTRICT 3 PLOT SCALE : 200.700000:1.000000

WISDOT/CADDS SHEET 40

LUEBKE ROAD 47Wn596

ESTATE OF ELDOR O. SCHULTZ

LUEBKE ROAD

SKELETON BRIDGE 47Wn126

DENNIS D. & DOROTHY M. EWALD (L.C.)

PI 11+00.40

PI 9+80.40

SCHMOKER FE

PI 11+81.19

GERALD N. & JOANNE L. FORSETH

PI 11+01.35

PI 11+37.17

PI 10+70.69

MUDDY MEADOW 47Wn126

R/W LINE

SOUTHBOUND

STH 110

NORTHBOUND

CONSTRUCTION ℄

B-70-217

PC 257+49.01

PC 251+49.01

EXISTING R/W

PI 19+71.59

PI 40+00.00

BROOKS RD

ESTATE OF ELDOR O. SCHULTZ

SOGGY OATS 47Wn595

MUDDY MEADOW 47Wn126

JAY E. SCHMOKER & JERROLD SCHMOKER

PC 276+77.68

PC 276+77.68

PT 271+38.94

PT 271+57.14 BK

271+38.94 AH

EQUATION

STH 110 (NB) CURVE NOTES

PI	264+49.349
N	767277.198
E	362913.426
∠	197°-22'-27"
Δ	17°-22'-27"
D	1°-15'-00"
T	700.34'
L	1389.94'
R	4583.66

STH 110 (SB) CURVE NOTES

PI	264+58.516
N	767232.267
E	362872.619
∠	197°-22'-27"
Δ	17°-22'-27"
D	1°-14'-02"
T	709.51'
L	1408.13'
R	4643.66'

STH 110 (NB) CURVE NOTES

RI	295+34.241
N	769680.685
E	360962.465
∠	135°-54'-01"
Δ	44°-05'-59"
D	1°-15'-00"
T	1856.56'
L	3527.98'
R	4583.66'

STH 110 (SB) CURVE NOTES

PI	295+09.938
N	769624.002
E	360931.197
∠	135°-54'-01"
Δ	44°-05'-59"
D	1°-16'-00"
T	1832.26'
L	3481.80'
R	4523.66'

EQUATION

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
611		CH SQ NE WHEEL GUARD BRIDGE #903 20' RT Ex STH 110. 700' SE BROOKS	755.25
6110		PK 24" ASH 30' RT LUEBKE RD 220' S OF BROOKS BD AND LUEBKE RD INT	780.92

VPI 255+98.51 (SB)
VPI EL794.00 (SB)
VPI 256+00.00 (NB)
VPI EL794.40 (NB)

EBS

PRESENT PROFILE

FINISHED GRADE

VCL 1800.00 (NB&SB)

252+00
1-18" RCCP

250+45
1-34"X53" RCHECP
SKEW 33° LHF

260+00
1-18" RCCP

VPC 266+00.00 (NB)
VPC EL772.90 (NB)
VPC 256+16.70 (SB)
VPC EL772.92 (SB)

-2.0702 % (SB)
-2.1500 % (NB)

VPT 264+98.51 (SB)
VPT EL775.37 (SB)
VPT 265+00.00 (NB)
VPT EL775.05 (NB)

VCL 1200.00 (NB&SB)

268+00
1-18" RCCP

VPI 271+98.51 (SB)
VPI EL760.50 (SB)
VPI 272+00.00 (NB)
VPI EL760.00 (NB)

272+65
2-43"X68" RCHECP

275+00
1-18" RCCP

271+57.14 (SB) BK
271+38.94 (SB) AH

VPT 277+98.51 (SB)
VPT EL764.62 (SB)
VPT 278+00.00 (NB)
VPT EL764.03 (NB)

	250					255					260					265					270					275					280
SB	796.05	795.32	794.49	793.57	792.55	791.45	790.25	788.96	787.58	786.11	784.54	782.89	781.14	779.30	777.36	775.34	773.27	771.28	769.51	767.98	766.67	765.60	764.63	764.05	763.71	763.59	763.71	764.06	764.63	765.32	766.00
NB	796.37	795.63	794.79	793.85	792.82	791.69	790.46	789.14	787.72	786.20	784.59	782.87	781.06	779.16	777.15	775.05	772.90	770.87	769.07	767.51	766.18	765.09	764.23	763.61	763.22	763.07	763.16	763.47	764.03	764.70	765.37

STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	STH 110	SHEET NO: 5,7	E
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FILE NAME : F:±d3_620005±d3507.dgn PLOT DATE: 26-SEP-2001 10:26 ORG DATE : PLOT NAME : d3507d71 Originator : DISTRICT 3 PLOT SCALE : 200.700000:1.000000

WISDOT/CADDS SHEET 40

LEVELS ON • 1.2.3.4.5.6.7.8.9.10.11.12.13.14.15.16.17.18.19.20.21.22.23.24.25.26.27.28.29.30.31.33.34.35.36.37.38.39.40.41.42.43.44.45.46.47.48.49.50.51.52.53.54.55.56.57.58.59.60.61.62.63

OVERTON ACRES 47Wn588

STH 110 (NB) CURVE NOTES	
PI	= 295+34.241
N	= 769680.685
E	= 360962.465
∠	= 135°-54'-01"
Δ	= 44°-05'-59"
D	= 1°-15'-00"
T	= 1856.56'
L	= 3527.98'
R	= 4583.66'

STH 110 (SB) CURVE NOTES	
PI	= 295+09.938
N	= 769624.002
E	= 360931.197
∠	= 135°-54'-01"
Δ	= 44°-05'-59"
D	= 1°-16'-00"
T	= 1832.26'
L	= 3481.80'
R	= 4523.66'

GERALD & JOANNE FORSETH

PI 11+67.77

R/W LINE

280

10

20.02

PC

PT

HANSEN RD.

24

33.52

B-70-218

B-70-219

285

15

290

R/W LINE

295

300

305

310

20

SOUTHBOUND

STH 110

NORTHBOUND

CONSTRUCTION ℄

R/W LINE

WILLIAM H. OVERTON

JAY E. SCHWOKER & JERROLD SCHWOKER

B-70-220

PT 11+51.72

PT 10+00.00

DAGGETS CREEK

TYERS PD

PATRICK & JACQUELINE TYERS

PC

SKELETON

BRIDGE

RD

20

PC 20+94.47

WILLIAM H. OVERTON

10

EXISTING R/W

KOLB RD

EXISTING R/W

THOMAS B. & SUSAN L. KERR

PC 18+17.28

PT 19+28.29

EXCEPTION TO NET CENTERLINE LENGTH:
282+52.00 TO 283+76.00 STH 110 NB &

PRESENT PROFILE

FINISHED GRADE

+0.6869 % (SB)

+0.7212 % (NB)

+0.6714 % (NB)

EBS

VPI 286+00.00 (NB)
VPI EL 769.40 (NB)

291+00
1-18" RCCP

299+00
1-18" RCCP

VPC 301+86.51 (SB)
VPC EL 781.04 (SB)
VPC 302+10.00 (NB)
VPC EL 781.01 (NB)

304+75
2-29"X45" RCHECP
SKEW 17° RHF

307+00
1-18" RCCP

VPI 308+38.51 (SB)
VPI EL 785.50 (SB)
VPI 308+60.00 (NB)
VPI EL 785.70 (NB)

VCL 1300.00 (NB&SB)

EBS

	280	285	290	295	300	305	310
SB	766.00	766.69	767.38	768.07	768.75	769.44	770.13	770.81	771.50	772.19	772.87	773.56	774.25	774.93	775.62	776.31	776.99	777.68	778.37	779.05	779.74	780.43	781.11	781.79	782.45	783.09	783.71	784.31	784.90	785.47	786.02
NB	765.37	766.04	766.71	767.39	768.06	768.73	769.40	770.12	770.84	771.56	772.28	773.01	773.73	774.45	775.17	775.89	776.61	777.33	778.05	778.78	779.50	780.22	780.94	781.65	782.34	783.01	783.66	784.28	784.89	785.47	786.03

770 760 750 790 780 770

LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31, 33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	STH 110	SHEET NO: 5.8	E

FILE NAME : F:±d3_620005±d3508.dgn PLOT DATE: 26-SEP-2001 10:26 ORG DATE : PLOT NAME : d3508d71 Originator : DISTRICT 3 PLOT SCALE : 200.700000:1.000000

WISDOT/CADDS SHEET 40

STH 110 (NB) CURVE NOTES

PI = 295+34.241
N = 769680.685
E = 360962.465
∠ = 135°-54'-01"
Δ = 44°-05'-59"
D = 1°-15'-00"
T = 1856.56'
L = 3527.98'
R = 4583.66'

PT 311+59.48 BK=
312+05.66 AH
PT 312+05.66

STH 110 (SB) CURVE NOTES

PI = 295+09.938
N = 769624.002
E = 360931.197
∠ = 135°-54'-01"
Δ = 44°-05'-59"
D = 1°-16'-00"
T = 1832.26'
L = 3481.80'
R = 4523.66'

SPIEGELBERG ROAD CURVE NOTES

PI = 17+51.557
∠ = 175°-36'-39"
Δ = 4°-23'-23"
D = 0°-30'-0"
T = 439.15'
L = 877.86'
R = 11459.16'

PC 13+12.41
PI 21+90.27
PT 22+34.25

WILLIAM H. OVERTON
WINNECONNE-BUTTE DES MORTS JOINT COMMISSION
CONSTRUCTION ℄
R/W LINE
EXISTING R/W
SPIEGELBERG RD
SOUTHBOUND
STH 110
NORTHBOUND
KOLB RD
NICHOLAS M. & JEAN A. KOLB

327+50 STH 110
1-18"CP (REMOVE)
325+00 STH 110
1-18"CP (REMOVE)
316+00 STH 110
1-18"CP (REMOVE)

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
6120	326+50	SPIKE IN 36" OAK, 70' LT SB STH 110, 100' E DRIVEWAY TO WINNECONNE - BUTTE DES MORTS SEWAGE PLANT	790.97
6121	339+00	PK NL 6" STUMP 3.5' UP FROM GROUND 250' LT SB STH 110	

STH 110 (NB) CURVE NOTES

PI = 362+32.781
N = 770499.710
E = 354127.677
∠ = 257°-21'-13"
Δ = 77°-21'-13"
D = 1°-29'-60"
T = 3057.63'
L = 5156.90'
R = 3819.72'
PT = 383+32.05

PC 41+96.53
PC 331+75.15
PC 331+75.15

STH 110 (SB) CURVE NOTES

PI = 362+80.811
N = 770445.851
E = 354072.850
∠ = 257°-21'-13"
Δ = 77°-21'-13"
D = 1°-28'-36"
T = 3105.66'
L = 5237.91'
R = 3879.72'
PT = 384+13.06 BK=
383+32.05 AH

PT 46+09.43
PC 48+97.66
PT 52+73.63

VPT 327+58.51 (SB) EL 794.00 (SB)
VPT 327+60.00 (NB) EL 794.00 (NB)
FINISHED GRADE
PRESENT PROFILE
EBS
VCL 1000.00 (NB&SB)
+0.4536 %(SB)
+0.4358 %(NB)
-0.2648 %(SB)
-0.2619 %(NB)
EQUATION
311+59.48 (SB) BK=
312+05.66 (SB) AH
315+00
1-18" RCCP
325+00
1-18" RCCP
335+00
1-18" RCCP

VPT 315+10.00 (NB) EL 788.54 (NB)
VPT 315+34.69 (SB) EL 788.45 (SB)
VPC 322+58.51 (SB) EL 791.13 (SB)
VPC 322+60.00 (NB) EL 791.02 (NB)
VPT 332+58.51 (SB) EL 792.68 (SB)
VPT 332+60.00 (NB) EL 792.66 (NB)

	310		315		320		325		330		335		340
SB	786.02	786.55	787.33	787.82	788.29	788.74	789.20	789.65	790.11	790.56	791.01	791.47	791.91	792.30	792.62	792.86	793.03	793.14	793.16	793.12	793.01	792.82	792.57	792.30	792.04	791.77	791.51	791.24	790.98	790.71
NB	786.03	786.56	787.09	787.57	788.05	788.50	788.93	789.37	789.81	790.24	790.68	791.12	791.55	791.98	792.36	792.66	792.89	793.06	793.15	793.17	793.12	793.00	792.81	792.55	792.29	792.02	791.75	791.48	791.21	790.95	790.68

LEVELS ON : 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31, 33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

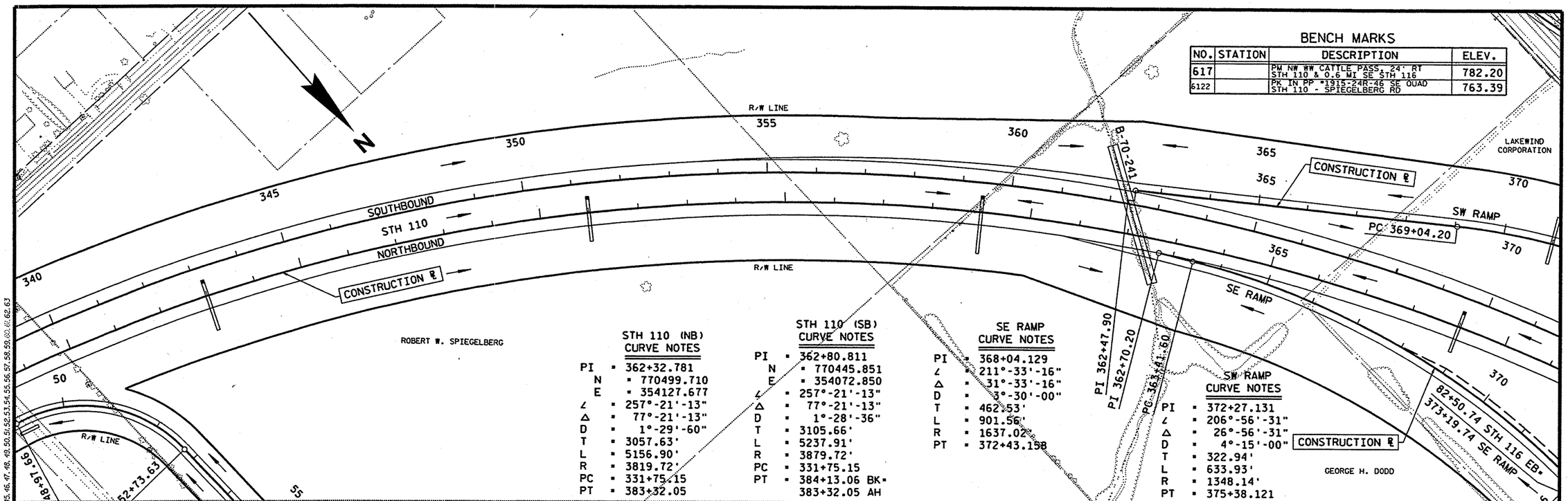
STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	STH 110	SHEET NO: 5.9	E

FILE NAME : F:\d3_620005\d3509.dgn PLOT DATE: 17-SEP-2001 11:35 ORG DATE : PLOT NAME : d3509d71 Originator : DISTRICT 3 PLOT SCALE : 200.700000:1.000000

WISDOT/CADDS SHEET 40

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
617		PM NW WW CATTLE PASS, 24' RT STH 110 & 0.6 MI SE STH 116	782.20
6122		PK IN PP "1915-24R-46 SE QUAD STH 110 - SPIEGELBERG RD	763.39



STH 110 (NB) CURVE NOTES

PI	= 362+32.781
N	= 770499.710
E	= 354127.677
∠	= 257°-21'-13"
Δ	= 77°-21'-13"
D	= 1°-29'-60"
T	= 3057.63'
L	= 5156.90'
R	= 3819.72'
PC	= 331+75.15
PT	= 383+32.05

STH 110 (SB) CURVE NOTES

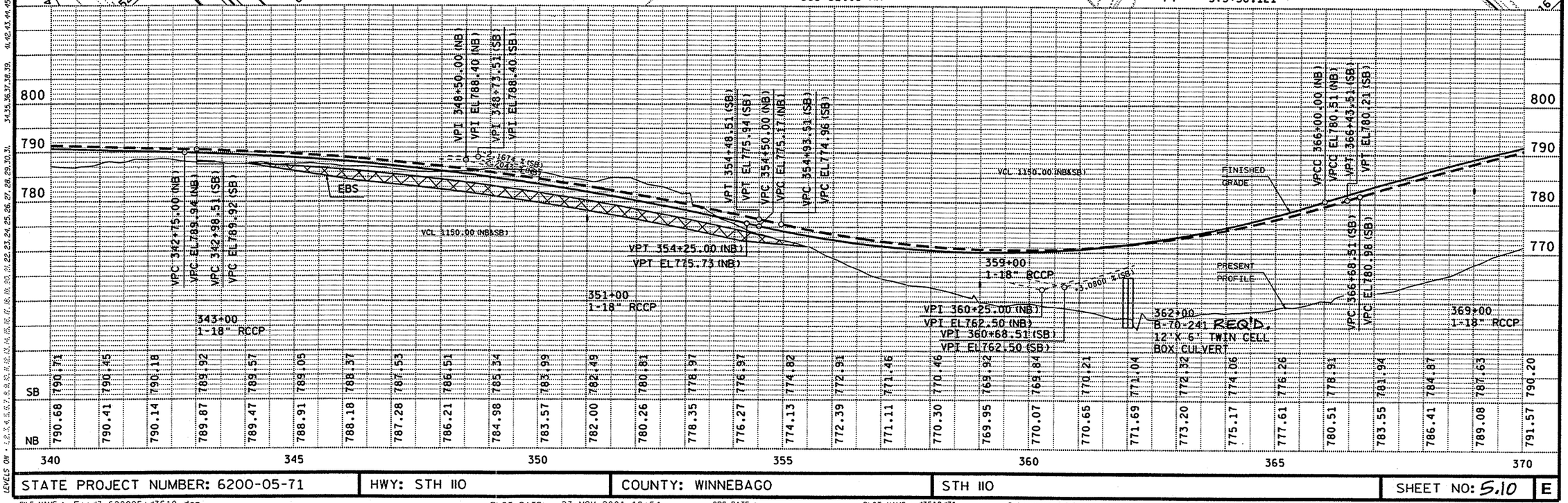
PI	= 362+80.811
N	= 770445.851
E	= 354072.850
∠	= 257°-21'-13"
Δ	= 77°-21'-13"
D	= 1°-28'-36"
T	= 3105.66'
L	= 5237.91'
R	= 3879.72'
PC	= 331+75.15
PT	= 384+13.06 BK= 383+32.05 AH

SE RAMP CURVE NOTES

PI	= 368+04.129
∠	= 211°-33'-16"
Δ	= 31°-33'-16"
D	= 3°-30'-00"
T	= 462.53'
L	= 901.56'
R	= 1637.02'
PT	= 372+43.158

SW RAMP CURVE NOTES

PI	= 372+27.131
∠	= 206°-56'-31"
Δ	= 26°-56'-31"
D	= 4°-15'-00"
T	= 322.94'
L	= 633.93'
R	= 1348.14'
PT	= 375+38.121



STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	STH 110	SHEET NO: 5.10 E

FILE NAME : F:±d3_620005±d3510.dgn PLOT DATE: 27-NOV-2001 12:54 ORG DATE : PLOT NAME : d3510d71 Originator : DISTRICT 3 PLOT SCALE : 200.700000:1.000000

WISDOT/CADDS SHEET 40

77+66.83 STH 116 EB
376+08.24 SW RAMP

77+50.07 STH 116 WB
374+76.56 NW RAMP

82+50.74 STH 116 EB
373+19.74 SE RAMP

82+31.16 STH 116 WB
373+78.57 NE RAMP

RAYMOND F & WENDY L SEBERO

DAVID PASCARELLA

LAKEWIND CORP

EXISTING R/W

R/W LINE

CONSTRUCTION ℄

373+50 STH110
1-18"CP (REMOVE)

375+00 STH110
1-36"CP (REMOVE)

SW RAMP

NW RAMP

NE RAMP

SE RAMP

PC 379+69.31

PT 375+38.12

PC 379+07.90

PT 381+00.36

PT 383+32.05

PT 384+13.06 BK

383+32.05 AH

PT 384+20.98

PI 385+76.90

PC 14+08.78

PT 15+20.60

PI 386+64.57

PT 15+33.98

PC 23+63.05

PT 26+26.24

PC 5+57.85

PT 8+32.47

SOUTHBOUND
STH 110
NORTHBOUND

BALL PRAIRIE ROAD

CROSS ROAD

GEORGE H. DODD

N

EXCEPTION TO NET CENTERLINE LENGTH
374+05.63 TO 376+20.32

NW RAMP CURVE NOTES

PI	= 380+34.847
∠	= 182°-37'-16"
Δ	= 2°-37'-16"
D	= 2°-00'-00"
T	= 65.54'
L	= 131.06'
R	= 2864.79'

NE RAMP CURVE NOTES

PI	= 381+67.217
∠	= 200°-31'-24"
Δ	= 20°-31'-24"
D	= 4°-00'-00"
T	= 259.32'
L	= 513.08'
R	= 1432.39'

STH 110 (NB) CURVE NOTES

PI	= 362+32.781
N	= 770499.710
E	= 354127.677
∠	= 257°-21'-13"
Δ	= 77°-21'-13"
D	= 1°-29'-60"
T	= 3057.63'
L	= 5156.90'
R	= 3819.72'
PC	= 331+75.15

STH 110 (SB) CURVE NOTES

PI	= 362+80.811
N	= 770445.851
E	= 354072.850
∠	= 257°-21'-13"
Δ	= 77°-21'-13"
D	= 1°-28'-35"
T	= 3105.66'
L	= 5237.91'
R	= 3879.72'
PC	= 331+75.15

END PROJECT 6200-05-71
385+00 STH 110 NB ℄

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
6214	392+00	PK IN 34" OAK 50' LT SB STH 110	801.81

VPI 375+00.00 (NB) EL808.70 (NB)
VPI 375+68.51 (SB) EL808.70 (SB)
VPI EL808.70 (SB)

FINISHED GRADE
PRESENT PROFILE
VCL 1800.00 (NB&SB)

-0.1743 % (SB)
-0.1750 % (NB)

VPC 395+98.51 (SB) EL805.02 (SB)
VPC 396+00.00 (NB) EL805.03 (NB)

VPT 383+81.51 (SB) EL807.13 (SB)
VPT 384+00.00 (NB) EL807.13 (NB)

377+00
1-18" RCCP

EQUATION
384+13.06 (SB) BK
383+32.05 (SB) AH

373+50
1-30" RCCP
SKEW 20° LHF

375+00
1-30" RCCP
SKEW 15° LHF

392+00
1-18" RCCP
BY OTHERS

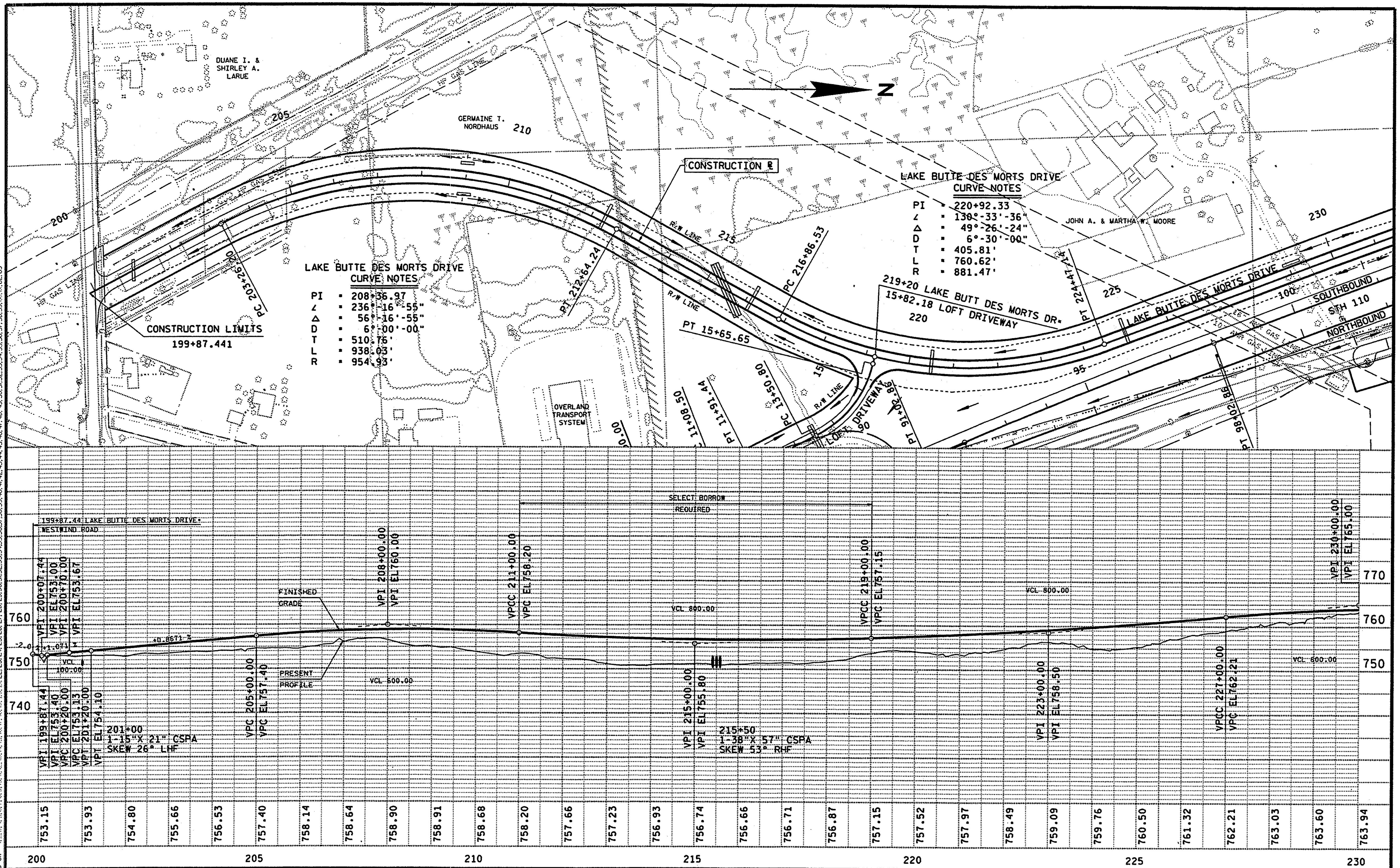
	370	375	380	385	390	395	400
SB	792.59	794.80	796.83	798.67	800.34	801.83	803.13	804.26	805.20	805.96	806.55	806.95	807.17	807.21	807.11	806.94	806.76	806.59	806.41	806.24	806.06	805.89	805.72	805.54	805.37	805.19	805.02	804.92	804.97	805.16	805.50
NB	791.57	793.87	796.00	797.93	799.69	801.26	802.65	803.85	804.87	805.70	806.36	806.82	807.11	807.21	807.12	806.95	806.77	806.60	806.43	806.25	806.08	805.90	805.73	805.55	805.38	805.20	805.03	804.92	804.97	805.16	805.50

STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	STH 110	SHEET NO: 5.11 E

FILE NAME : F:±d3_620005±d3511.dgn
PLOT DATE: 14-SEP-2001 07:30
ORG DATE :
PLOT NAME : d3511d71
Originator : DISTRICT 3
PLOT SCALE : 200.700000:1.000000

WISDOT/CADDS SHEET 40

LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32, 34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

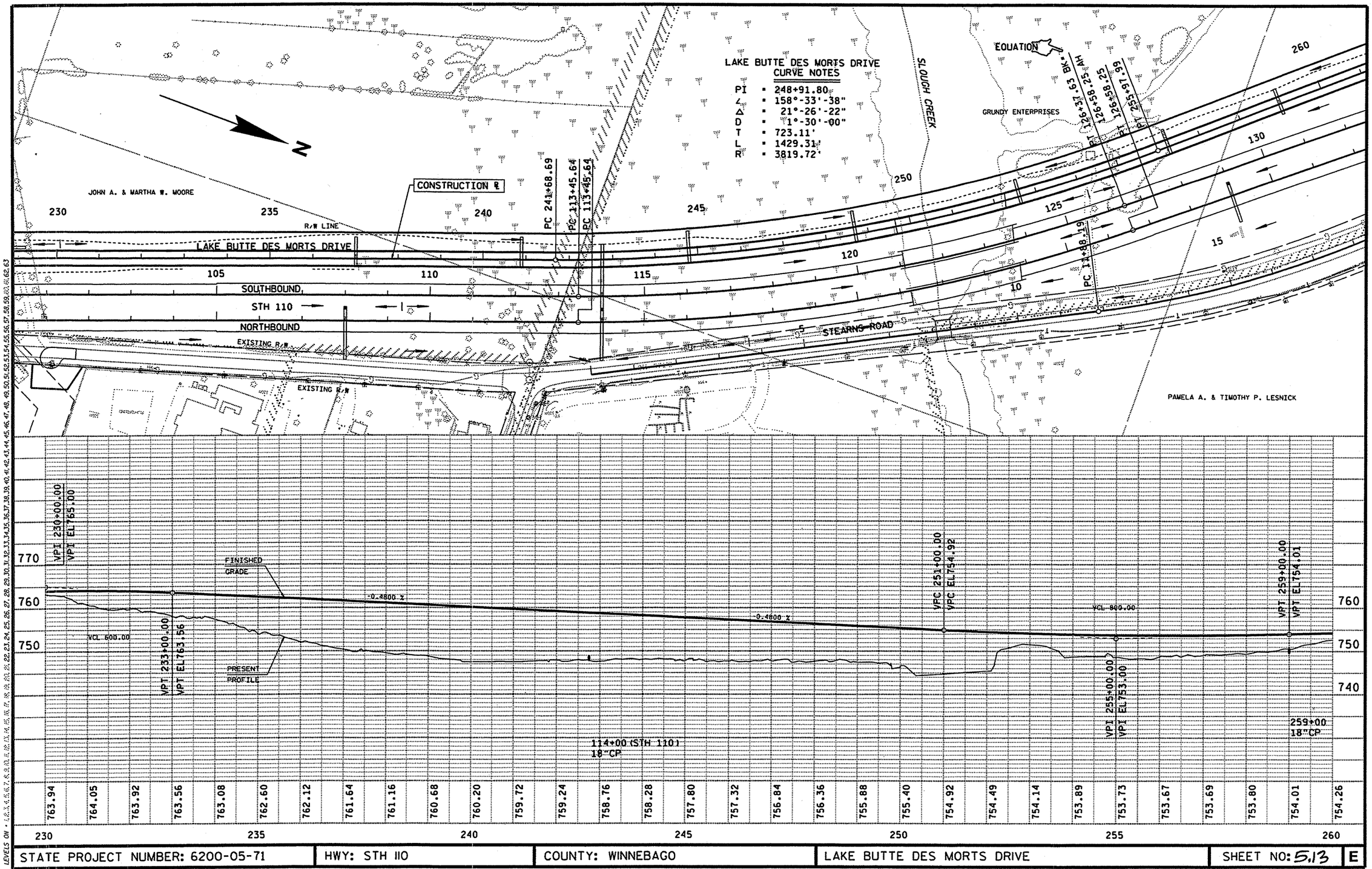


STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	LAKE BUTTE DES MORTS DRIVE	SHEET NO: 5.12	E

FILE NAME : F:±d3_620005±d3516.dgn PLOT DATE: 26-NOV-2001 14:08 ORG DATE : PLOT NAME : d3516d Originator : DISTRICT 3 PLOT SCALE : 200.606061:1.000000

WISDOT/CADDS SHEET 40

LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63



STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	LAKE BUTTE DES MORTS DRIVE	SHEET NO: 5.13	E

FILE NAME : F:±d3_620005±d3517.dgn PLOT DATE: 24-JUL-2001 10:41 ORG DATE : PLOT NAME : d3517d Originator : district 3 PLOT SCALE : 200.606085:1.000000

WISDOT/CADDS SHEET 40

281+89.16 LAKE BUTT DES MORTS DR=
20+60.00 CTH T (RYF RD)=
282+16.18 NW FRONTAGE ROAD

LAKE BUTTE DES MORTS DRIVE
CURVE NOTES
PI = 279+41.51
∠ = 260°-08'-45"
Δ = 80°-08'-45"
D = 21°-00'-00"
T = 229.53'
L = 381.65'
R = 272.84'

LAKE BUTTE DES MORTS DRIVE
CURVE NOTES
PI = 269+43.60
∠ = 140°-01'-45"
Δ = 39°-58'-15"
D = 6°-30'-00"
T = 320.58'
L = 614.94'
R = 881.47'

NW FRONTAGE ROAD
CURVE NOTES
PI = 285+67.279
∠ = 145°-18'-49"
Δ = 34°-41'-11"
D = 11°-00'-00"
T = 162.66'
L = 315.33'
R = 520.87'

CASTLE-PIERCE PRINTING CO.
MARY R. LADWIG
RICHARD L. & JACQUELINE M. GERLACH
NORMAN & NANCY REICHENBERGER
ROBERT J. & BARBARA WINKLER
RICHARD MAKI JR. & LORI M. PIERQUET
DOROTHY E. STIEG
JOHN E. RYF
HEEEN HEWITT ET AL
GRUNDY ENTERPRISES
DAVID W. & KAREN K. JACOBSON

CONSTRUCTION ℄
NW FRONTAGE ROAD
R/W LINE
EXISTING R/W
PC 266+23.02
PT 272+37.96
PC 277+41.51
PT 281+23.15
PC 284+04.18
PT 287+19.94
PC 20+37.18
148+60.23 STH 110 SB=
27+77.95 CTH T
CONSTRUCTION LIMITS
281+89.35
LAKE BUTTE DES MORTS DRIVE
STH 110
SOUTHBOUND

260 265 270 275 280 285 290 150 155 160 135 140 145

281+89.16 LAKE BUTTE DES MORTS DRIVE
20+60.00 CTH T

VPC 265+00.00 EL 755.53
VCL 800.00
VPC 273+00.00 EL 759.90
VCL 500.00
VPC 278+50.00 EL 770.91
VCL 300.00
VPI 269+00.00 EL 756.54
VPI 275+50.00 EL 762.00
VPI 278+00.00 EL 769.78
VPI 278+25.00 EL 770.56
VPI 280+00.00 EL 773.00
VPI 281+50.00 EL 767.96
VPI 281+65.35 EL 767.39
VPI 281+57.35 EL 767.71
VPI 281+89.35 EL 766.43
-1.39%
+1.36%
+0.2631%
FINISHED GRADE
PRESENT PROFILE
270×30
3-38" X 57" CSPA
SKEW 23° RHF

754.26 754.52 754.77 755.02 755.28 755.53 755.82 756.18 756.62 757.13 757.71 758.37 759.10 759.90 760.97 762.49 764.47 766.90 769.78 771.41 771.22 769.44

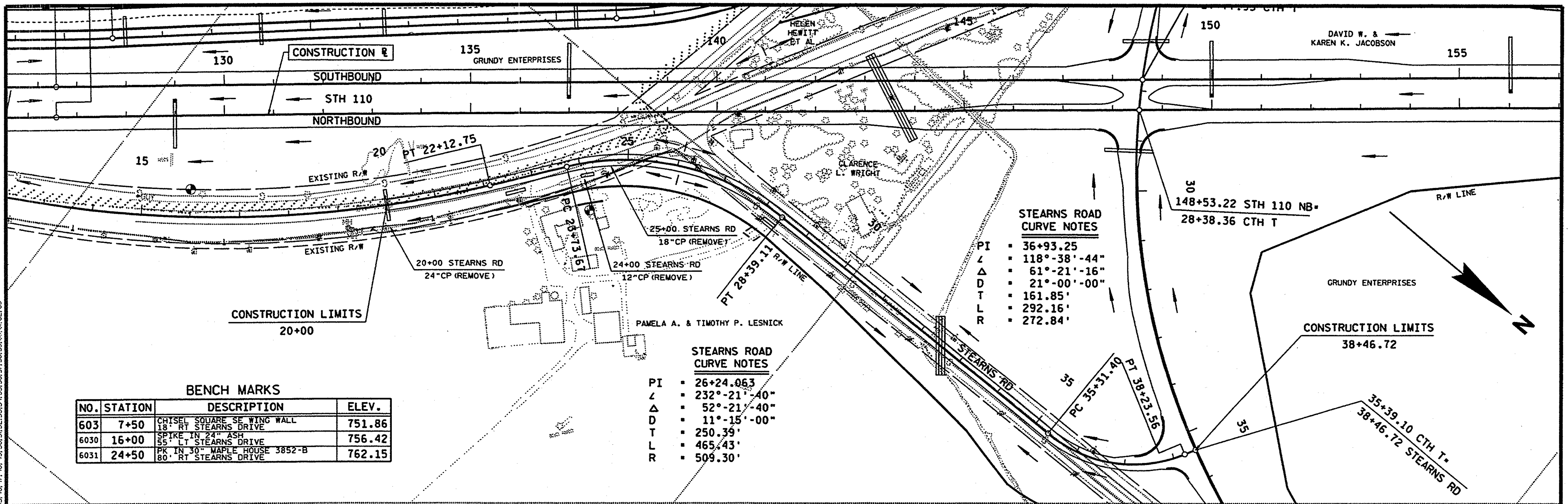
770 760 750 780 770 760

260 265 270 275 280

STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	LAKE BUTTE DES MORTS DRIVE	SHEET NO: 5.14	E

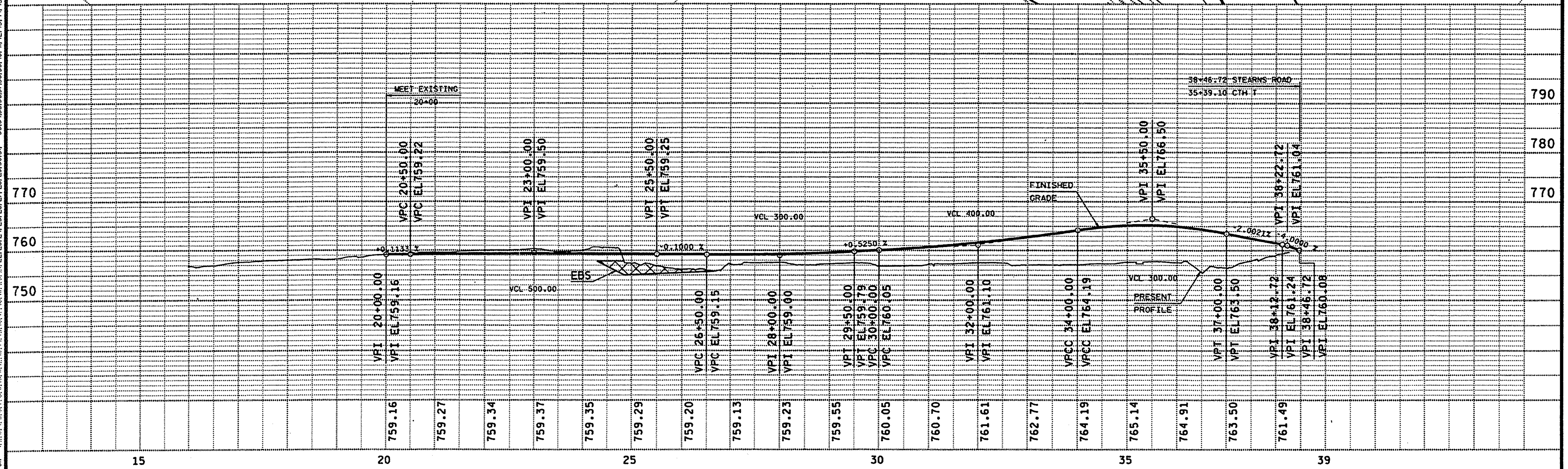
LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

FILE NAME : F:±d3_620005±d3518.dgn PLOT DATE: 26-NOV-2001 14:07 ORG DATE : PLOT NAME : d3518d Originator : DISTRICT 3 PLOT SCALE : 200.606070:1.000000



BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
603	7+50	CHISEL SQUARE SE WING WALL 18' RT STEARNS DRIVE	751.86
6030	16+00	SPIKE IN 24" ASH 55' LT STEARNS DRIVE	756.42
6031	24+50	PK IN 30" MAPLE HOUSE 3852-B 80' RT STEARNS DRIVE	762.15



LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31, 33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	STEARNS ROAD	SHEET NO: 5.15	E

FILE NAME : F:±d3_620005±d3523.dgn PLOT DATE: 24-JUL-2001 10:42 ORG DATE : 1-30-01 PLOT NAME : d3523d71 Originator : DISTRICT 3 PLOT SCALE : 200.700000:1.000000

WISDOT/CADDS SHEET 40

N

CTH T
CURVE NOTES

PI	=	33+99.60
∠	=	90°-31'-50"
Δ	=	89°-28'-10"
D	=	4°-10'-00"
T	=	1362.42'
L	=	2147.26'
R	=	1375.10'
PT	=	41+84.44

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
605	23+00	TOP STEEL BAR 18" HICKORY 58' LT STH 110, 50' N CTH T	766.08

290+20 NW-FR RD
1-18"CP (REMOVE)

289+35 NW FR RD
1-18"CP (REMOVE)

288+00 NW FR RD
1-18"CP (REMOVE)

286+30 NW FR RD
1-18"CP (REMOVE)

RICHARD L. & JACQUELINE M. GERLACH

DAVID W. & KAREN K. JACOBSON

NORMAN & NANCY REICHENBERGER

GRUNDY ENTERPRISES

MARY R. LADWIG

ROBERT J. & BARBARA WINKLER

DOROTHY E SIEG

R/W LINE

NW FRONTAGE ROAD

PT 287+19.94

PC 284+04.61

PC 20+37.18

PT 281+23.15

CONSTRUCTION ℄

CONSTRUCTION LIMITS

CTH T

COMMUNITY CHURCH

CASTLE-PIERCE PRINTING CO.

STEARNS ROAD

NORTHBOUND STH 110 SOUTHBOUND

148+53.22 STH 110 NB
28+38.36 CTH T

148+60.23 STH 110 SB
21+71.95 CTH T

PT 38+23.56

PC 35+31.40

VPI 19+00.00 EL767.29
-0.1600 %
-0.5125 %
VPC 21+00.00 EL766.35
VPI 23+00.00 EL765.00
-1.6330 %
VPI 25+00.00 EL761.73
VCL 400.00
VPI 18+00.00 EL767.45

VPI 27+77.95 EL761.49
VPI 28+38.36 EL761.28
VCL 120.00
VPI 26+83.95 EL758.73
VPI 27+51.95 EL761.45
VPI 27+83.95 EL761.25
VPI 28+32.36 EL761.04
VPI 28+64.36 EL761.24
VPI 29+32.36 EL758.52
VPC 28+23.95 EL759.71
VPC 27+43.95 EL761.33
VPC 27+65.95 EL761.73
VPC 28+50.36 EL761.52
VPC 28+72.36 EL760.92
VPC 29+92.36 EL758.67
VPC 35+00.00 EL759.97
+0.4338 %
+0.2563 %
FINISHED GRADE
EBS
PRESENT PROFILE

25+00 30" CP
27+00 24" CSCP
29+20 29"X 42" CSPA

10	15	20	25	30	35
767.45	767.29	766.72	766.15	765.44	764.47
763.23	761.73	760.10	759.83	761.18	759.95
758.69	758.95	759.21	759.46	759.72	759.97

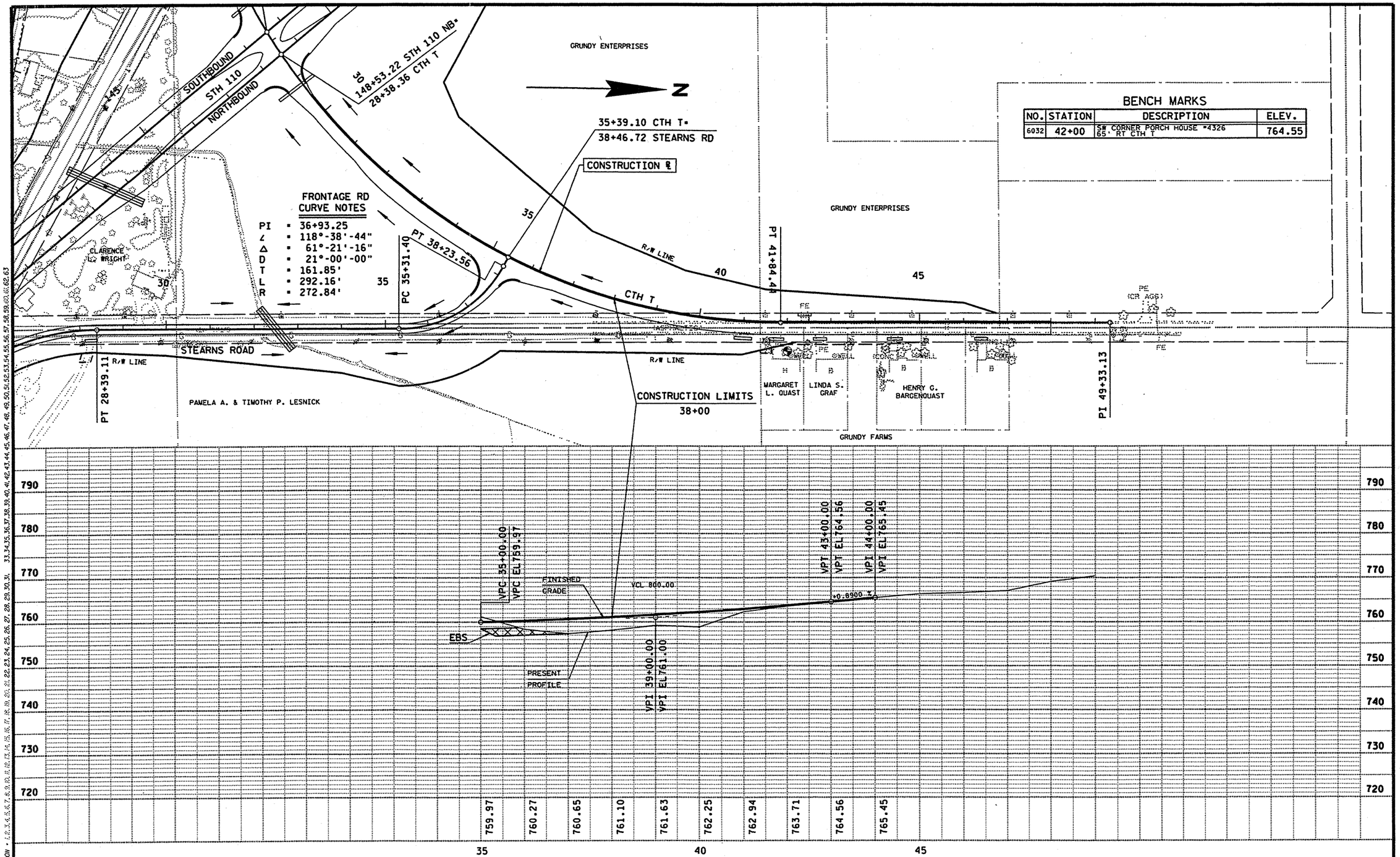
790 780 770 760 750 740 730

STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	CTH T	SHEET NO: 5.16	E

FILE NAME : F:±d3_620005±d3521.dgn PLOT DATE: 24-JUL-2001 10:42 ORG DATE : PLOT NAME : d3521d71 Originator : DISTRICT 3 PLOT SCALE : 200.700000:1.000000

WISDOT/CADDS SHEET 40

LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63



STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	CTH T	SHEET NO: 5.17	E

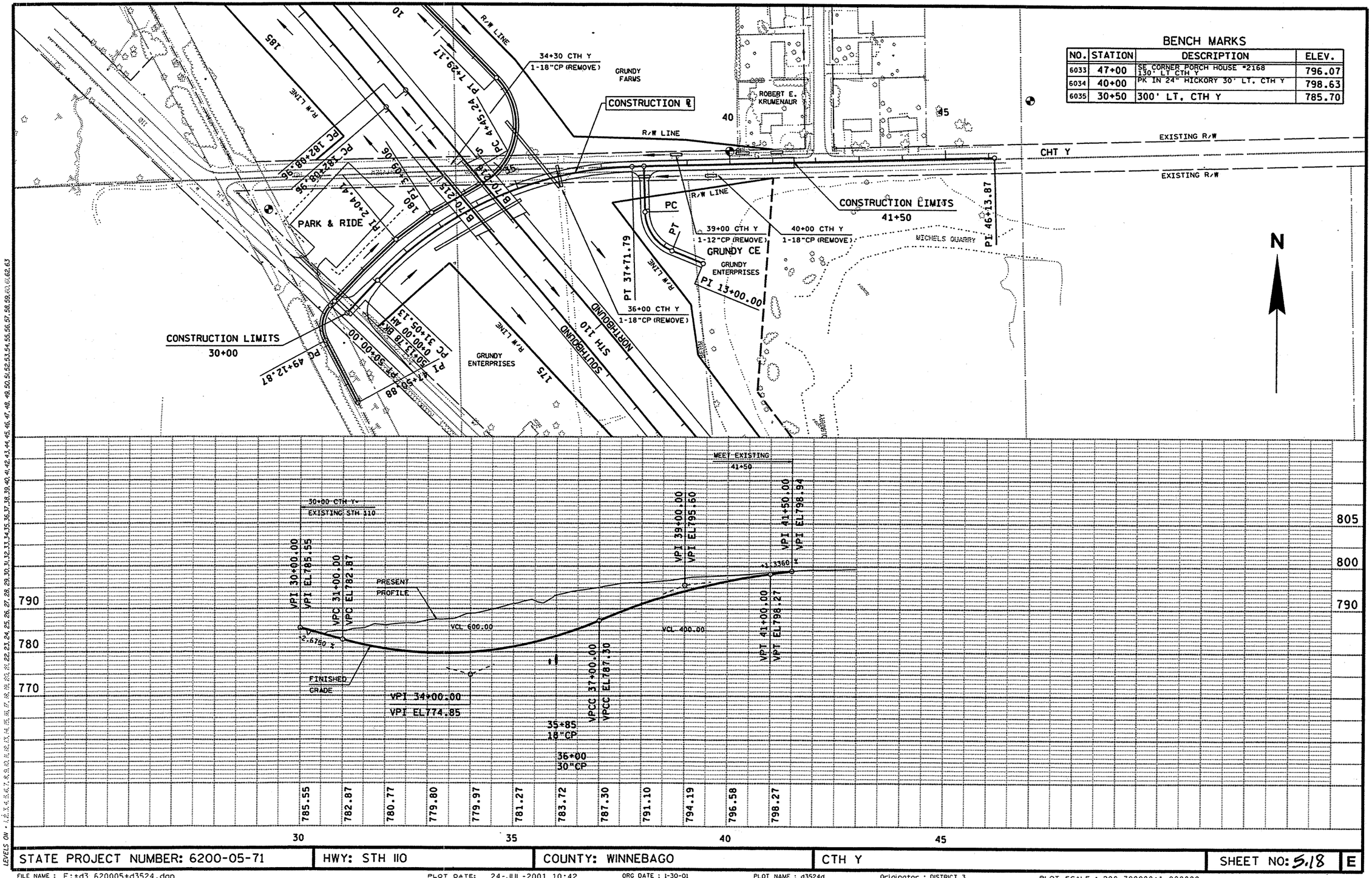
FILE NAME : F:±d3_620005±d3522.dgn PLOT DATE: 24-JUL-2001 10:42 ORG DATE : PLOT NAME : d3522d71 Originator : DISTRICT 3 PLOT SCALE : 200.700000:1.000000

WISDOT/CADDS SHEET 40

LEVELS ON : 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31, 33,34,35,36,37,38,39,40,41,42,43,44,45,46,47, 44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
6033	47+00	SE CORNER PORCH HOUSE #2168 130' LT CTH Y	796.07
6034	40+00	PK IN 24" HICKORY 30' LT. CTH Y	798.63
6035	30+50	300' LT. CTH Y	785.70

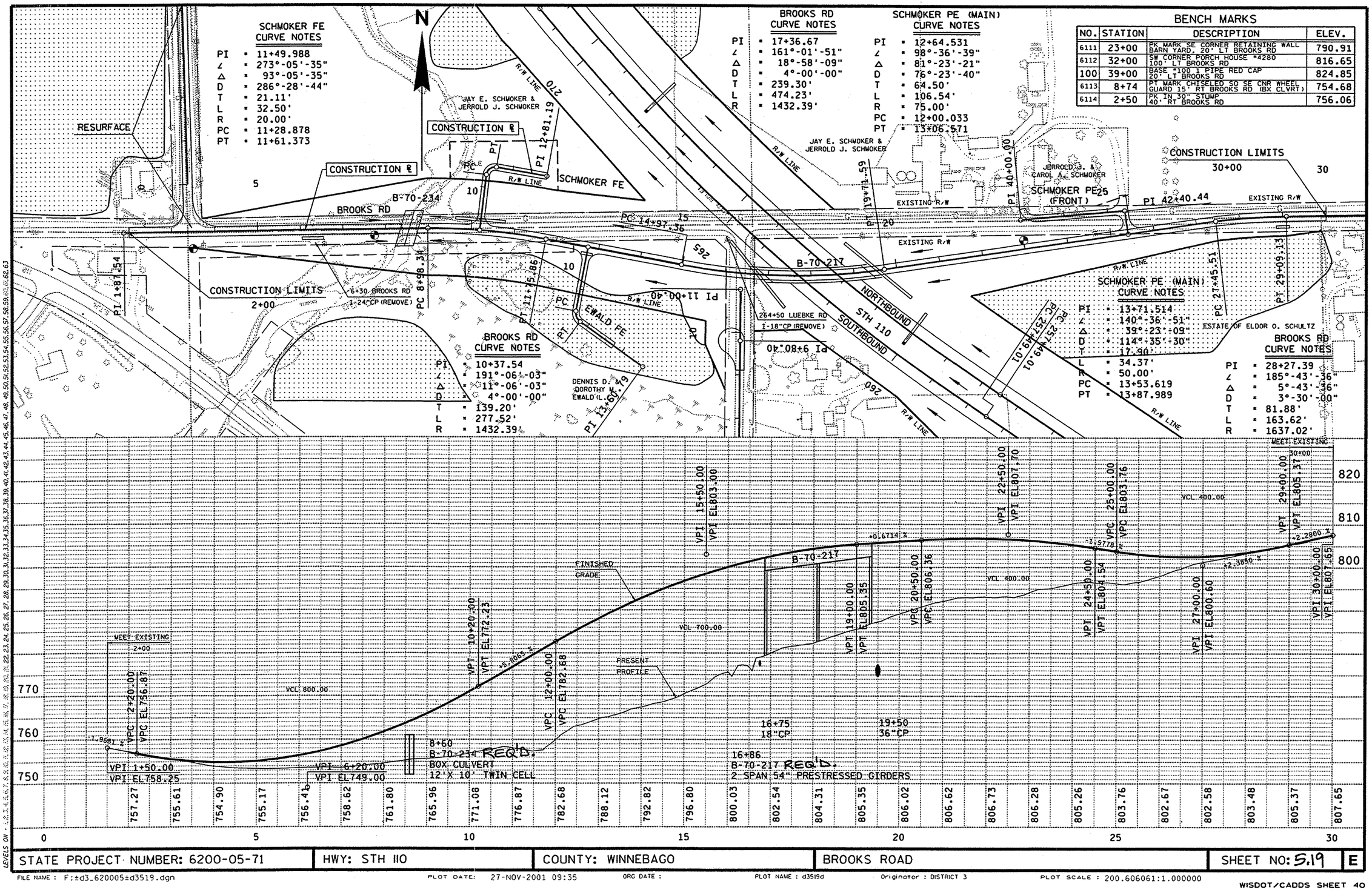


STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	CTH Y	SHEET NO: 5.18	E

FILE NAME : F:±d3_620005±d3524.dgn PLOT DATE: 24-JUL-2001 10:42 ORG DATE : 1-30-01 PLOT NAME : d3524d Originator : DISTRICT 3 PLOT SCALE : 200.700000:1.000000

WISDOT/CADDS SHEET 40

LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

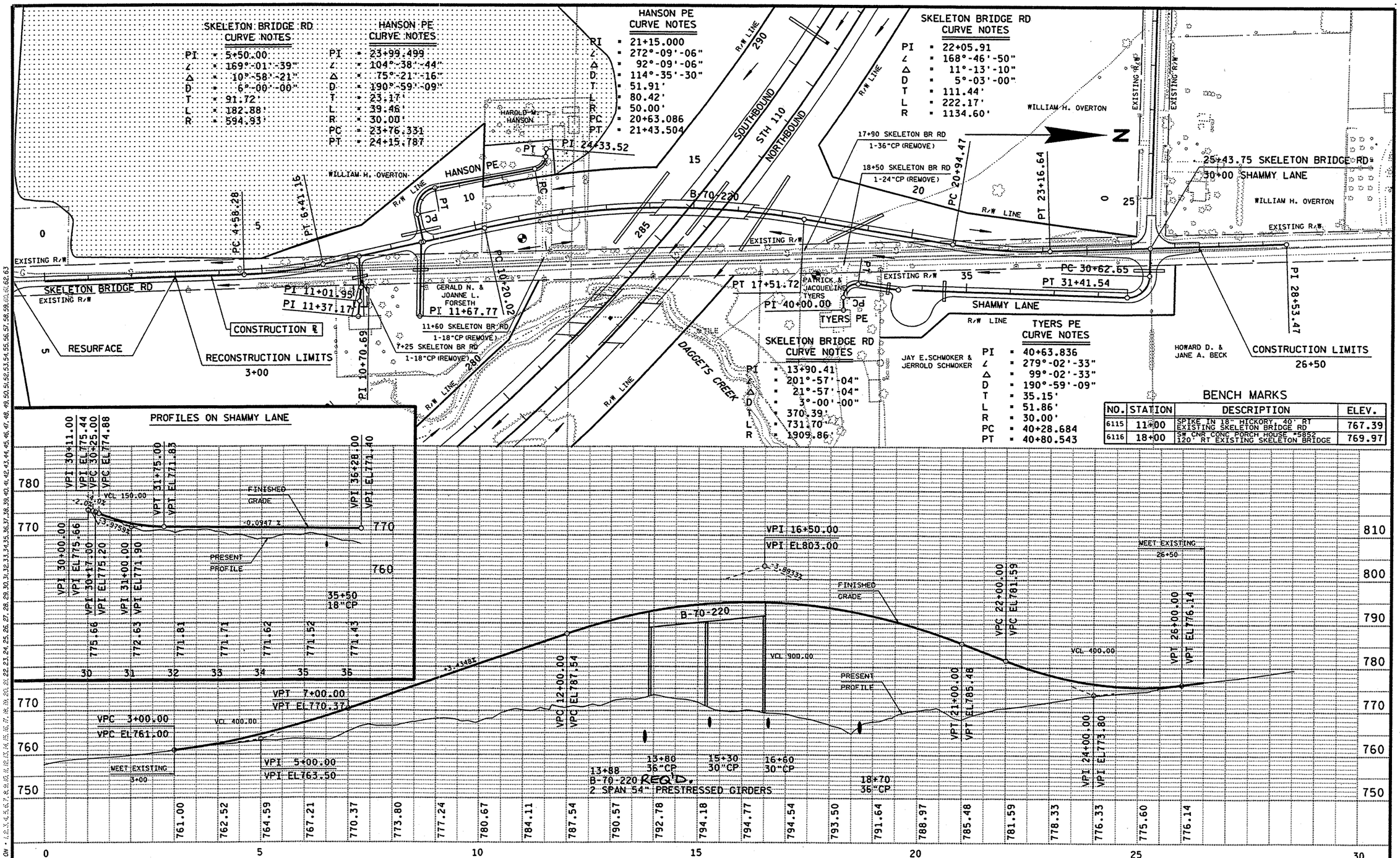


STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	BROOKS ROAD	SHEET NO: 5.19	E

FILE NAME : F:±d3_620005±d3519.dgn PLOT DATE: 27-NOV-2001 09:35 ORG DATE : PLOT NAME : d3519d Originator : DISTRICT 3 PLOT SCALE : 200.606061:1.000000

WISDOT/CADDS SHEET 40

LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63



STATE PROJECT NUMBER: 6200-05-71 | HWY: STH 110 | COUNTY: WINNEBAGO | SKELETON BRIDGE ROAD | SHEET NO: 5.20 | E

FILE NAME : F:±d3_620005±d3520.dgn PLOT DATE: 27-NOV-2001 09:35 ORG DATE : PLOT NAME : d3520d Originator : DISTRICT 3 PLOT SCALE : 200.700000:1.000000
WISDOT/CADDS SHEET 40

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
6117	0+00	SE CNR CONC PORCH HOUSE #4508 100' RT KOLB RT	777.96
6118	14+50	SPIKE IN 10" ASH 25' LT KOLB RD	781.21
6119	28+00	SPIKE IN 36" OAK 70' LT KOLB RD	789.51

WILLIAM H. OVERTON

PT 311+59.48 BK.
312+05.66 AH
PT 312+05.66

R/W LINE

PC 13+12.41

WINNECONNE-BUTTE
DES MORTS JOINT COMMISSION

SOUTHBOUND
STH 110
NORTHBOUND

KOLB ROAD

PC 18+17.28
PT 19+28.29

CONSTRUCTION LIMITS
15+00

CONSTRUCTION ℄

NICHOLAS M. & JEAN A. KOLB

PC 41+96.53
PC 331+75.15
PC 331+75.15

MEET EXISTING
15+00

VPI 15+00.00
VPI EL 782.15

VPC 18+00.00
VPC EL 782.89

FINISHED GRADE

PRESENT PROFILE

VCL 1000.00

+0.2462 %

VPI 23+00.00
VPI EL 784.12

EBS

VPI 28+00.00
VPI EL 787.41

+0.6587 %

EBS

VPC 34+00.00
VPC EL 791.37

VPI 38+00.00
VPI EL 794.00

VCL 800.00

EBS

VPCC 42+00.00
VPCC EL 791.60

16+00
24" CP

780
770
800
790
780

15	20	25	30	35	40	45
782.15	782.40	782.64	782.89	783.16	783.46	783.81
784.20	784.64	785.11	785.62	786.18	786.78	787.41
788.07	788.73	789.39	790.05	790.71	791.37	791.95
792.37	792.63	792.74	792.69	792.49	792.12	791.60
791.07	790.66	790.40				

STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	KOLB ROAD	SHEET NO: 5.21	E

FILE NAME : F:±d3_620005±d3525.dgn PLOT DATE: 24-JUL-2001 10:42 ORG DATE : 1-30-01 PLOT NAME : d3525d Originator : DISTRICT 3 PLOT SCALE : 200.700000:1.000000

WISDOT/CADDS SHEET 40

LEVELS ON - 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

N

CONSTRUCTION LIMITS
22+00

PI 22+34.25
PT 21+90.27

20+30 SPIEGELBERG RD
1-12"CP (REMOVE)

19+00 SPIEGELBERG RD
1-24"CP (REMOVE)

R/W LINE

340

335

50

45

20

SOUTHBOUND
STH 110
NORTHBOUND

PC 48+97.66

PI 52+73.63

PT 46+09.43

ROBERT W. SPIEGELBERG

WINNECONNE-BUTTE
DES MORTS JOINT COMMISSION

NICHOLAS W. & JEAN A. KOLB

CHARLES M FARREY

6119

CONSTRUCTION ℄

KOLB ROAD

CONSTRUCTION LIMITS
72+92

KURT R. &
MICHELE M THEIN

EXISTING R/W
CTH 00

PI 72+92.00

55 60 65 70

800
790
780
770
760

VPT 52+00.00
VPT EL792.22

VCL 1000.00

-0.7231 %

FINISHED GRADE

PRESENT PROFILE

VPT 60+00.00
VPT EL790.00

EBS

VPC 55+00.00
VPC EL784.38

VPT 47+00.00
VPT EL788.60

48+00
30"CP

VCL 1000.00

EBS

VPC 66+50.00
VPC EL774.74

-2.5788 %

VCL 600.00

72+92.00 KOLB ROAD
CTH 00

VPT 72+50.00
VPT EL767.77

+2.0573 %

VPT 65+00.00
VPT EL780.11

VPT 69+50.00
VPT EL764.00

VPT 72+92.00
VPT EL768.30

71+35
38"X 57"CSPA

791.07 790.66 790.40 790.26 790.25 790.38 790.64 791.03 791.56 792.22 792.94 793.66 794.38 794.89 794.97 794.62 793.84 792.62 790.98 788.91 786.40 783.47 780.11 776.53 773.05 770.28 768.31 767.15 766.79 767.24

45 50 55 60 65 70

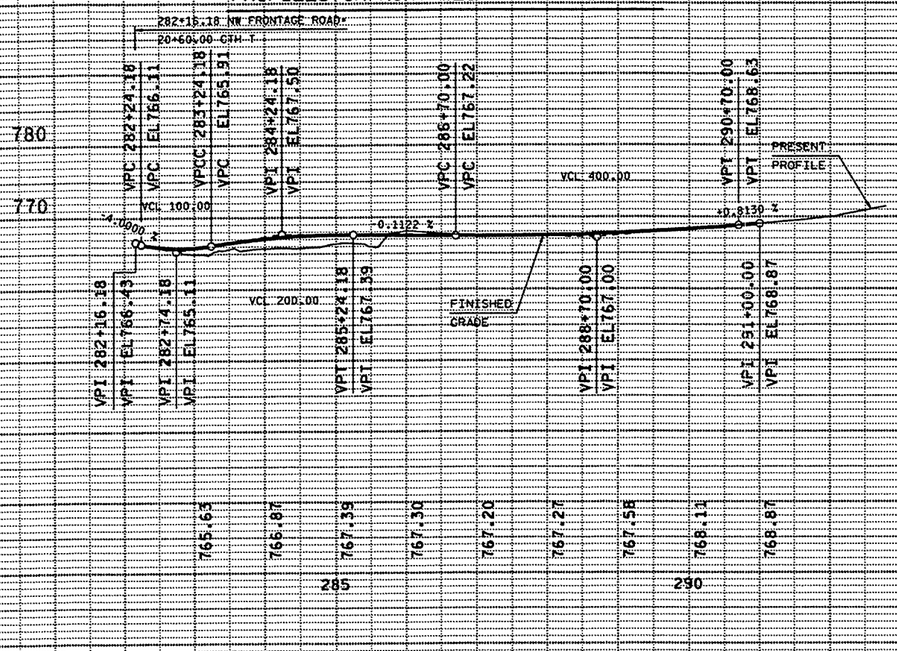
STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	KOLB ROAD	SHEET NO: 5.22	E

FILE NAME : F:±d3_620005±d3526.dgn PLOT DATE: 24-JUL-2001 10:42 ORG DATE : 1-30-01 PLOT NAME : d3526d Originator : DISTRICT 3 PLOT SCALE : 200.700000:1.000000

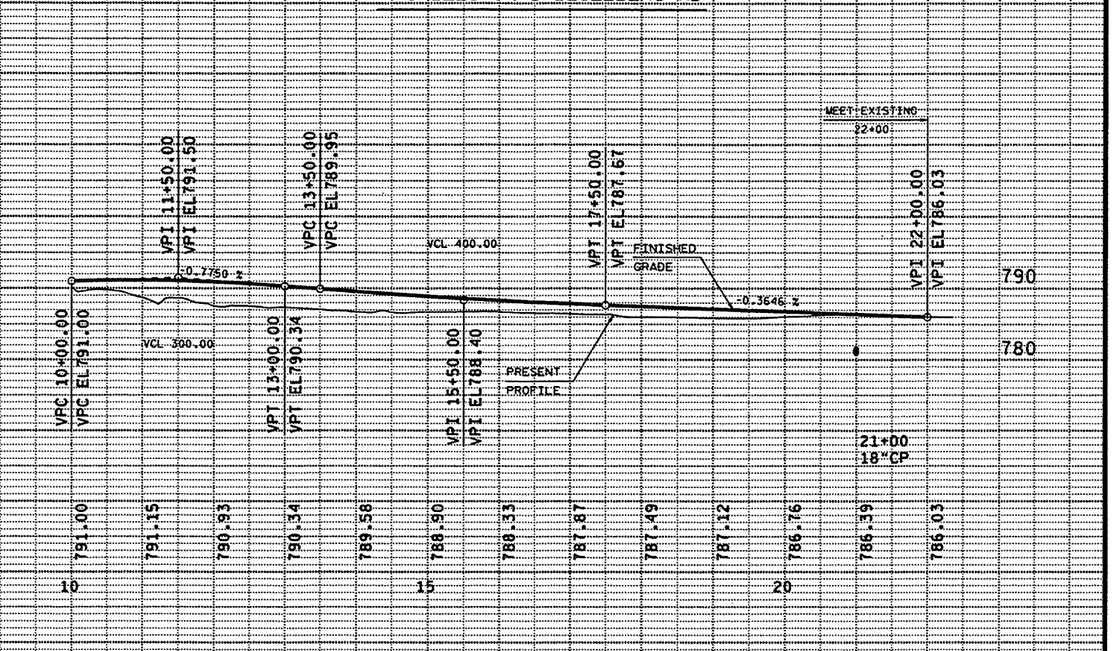
WISDOT/CADDS SHEET 40

LEVELS ON - 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

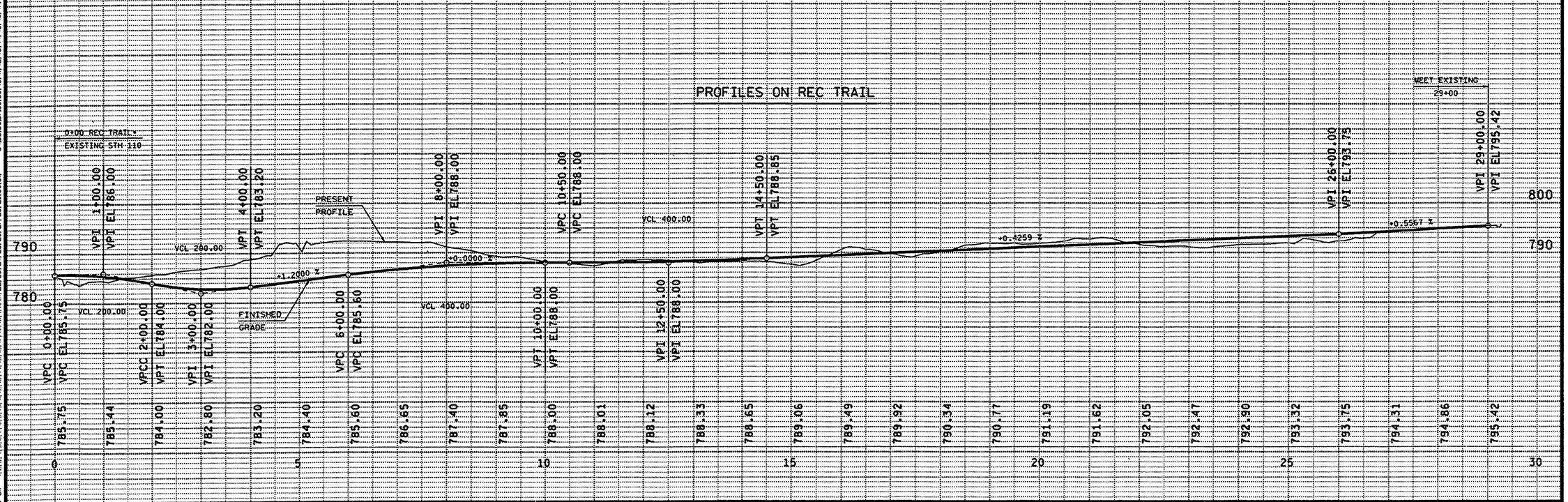
PROFILES ON NORTHWEST FRONTAGE ROAD



PROFILES ON SPIEGELBERG RD



PROFILES ON REC TRAIL



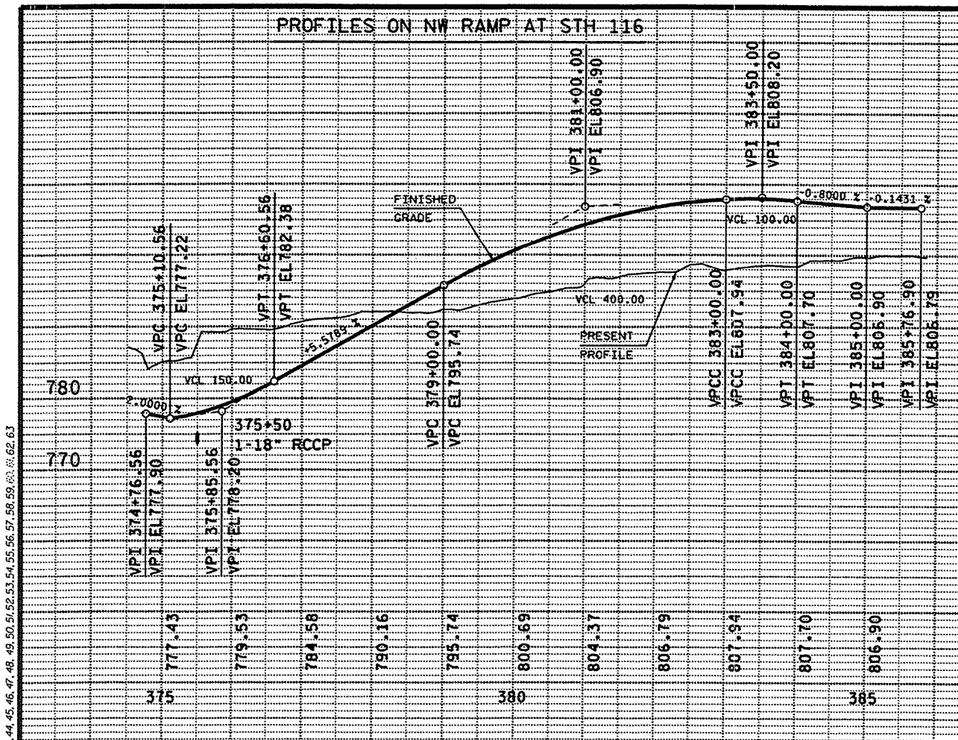
STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	PROFILES	SHEET NO: 5.23	E

FILE NAME : F:±d3_620005±d3536.dgn PLOT DATE: 24-JUL-2001 10:42 ORG DATE : 2-1-01 PLOT NAME : d3536od71 Originator : DISTRICT3 PLOT SCALE : 200.700000:1.000000

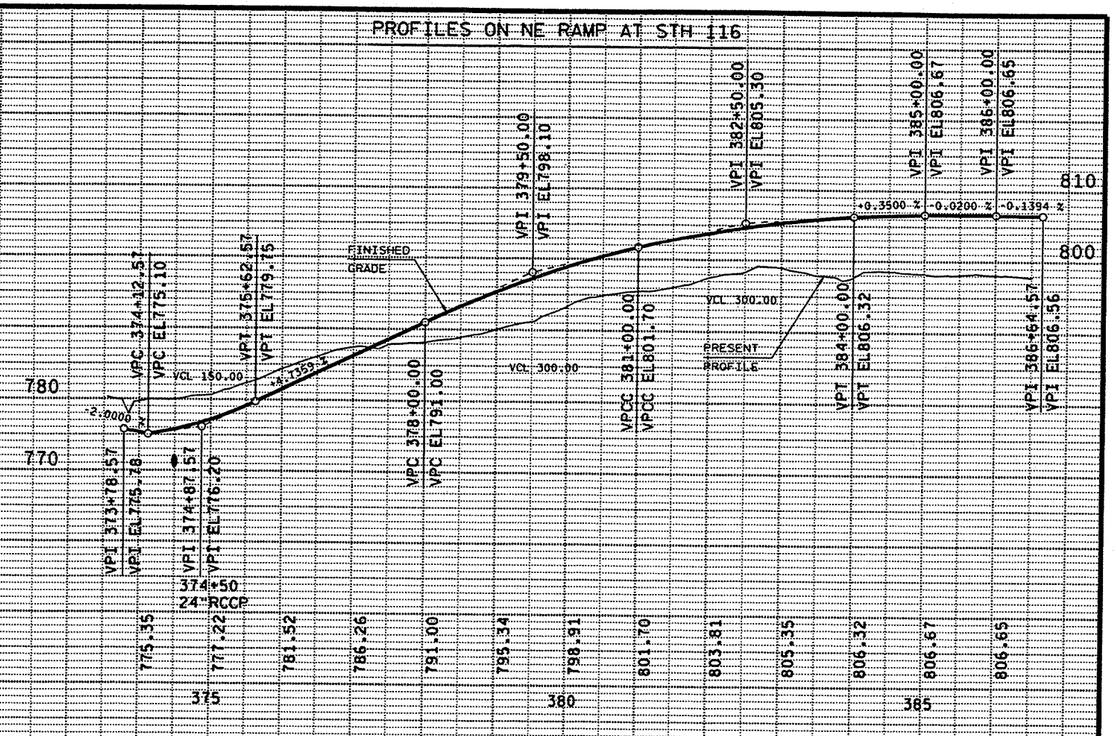
WISDOT/CADDS SHEET 40

LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

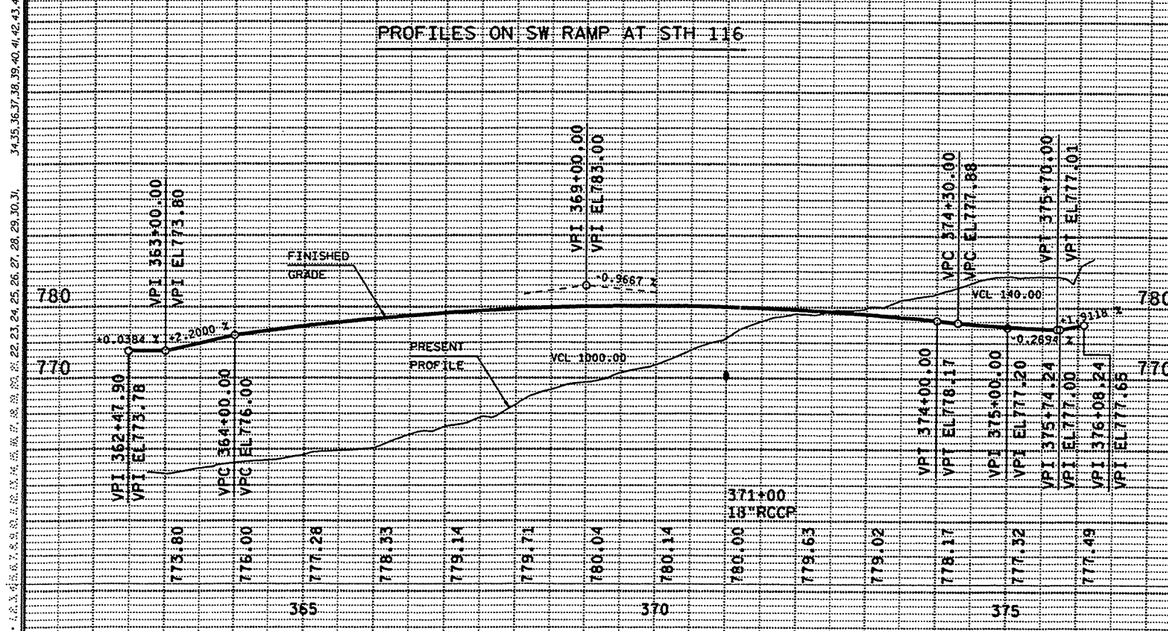
PROFILES ON NW RAMP AT STH 116



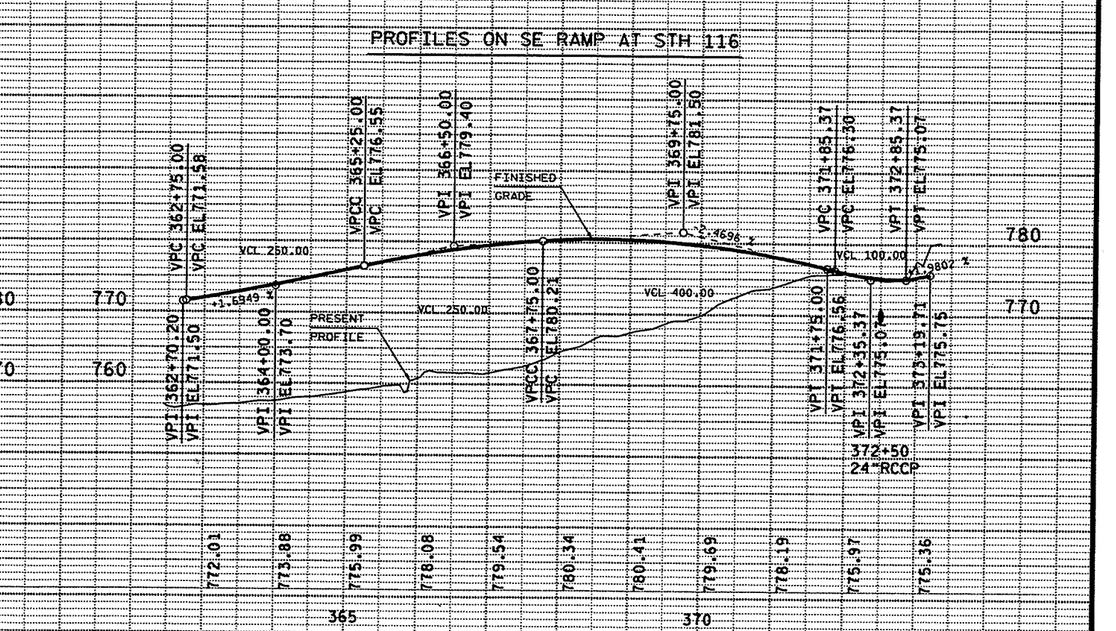
PROFILES ON NE RAMP AT STH 116



PROFILES ON SW RAMP AT STH 116



PROFILES ON SE RAMP AT STH 116



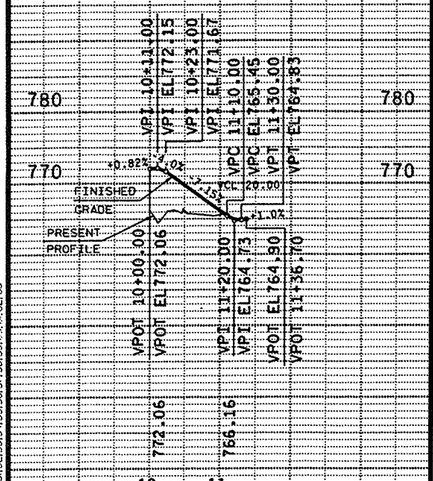
STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	PROFILES	SHEET NO: 5.24	E

FILE NAME : F:±d3_620005±d3536.dgn PLOT DATE: 14-SEP-2001 08:27 ORG DATE : 2-1-01 PLOT NAME : d3536cd71 Originator : DISTRICT 3 PLOT SCALE : 200.700000:1.000000

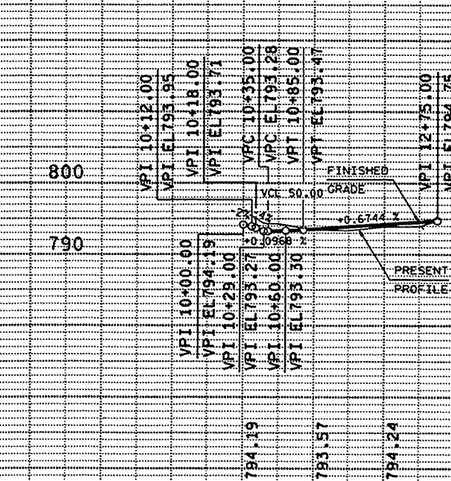
WISDOT/CADDS SHEET 40

LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31, 34,35,36,37,38,39,40,41,42,43,44,45, 42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

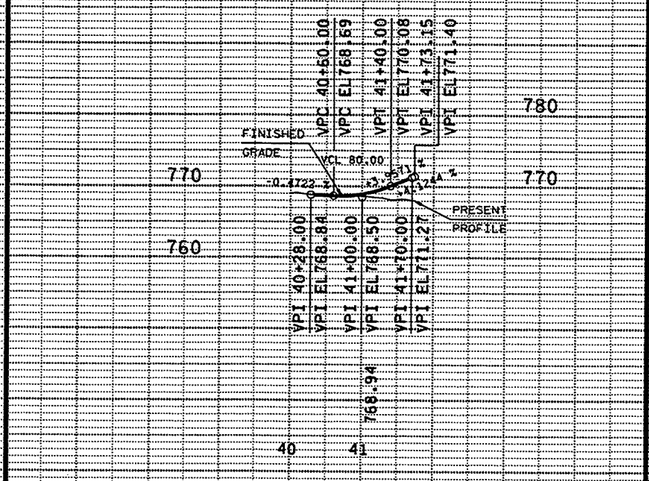
PROFILES ON FORSETH PE



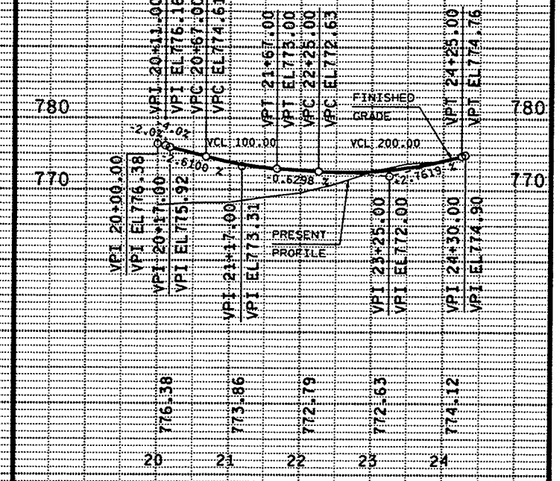
PROFILES ON GRUNDY CE



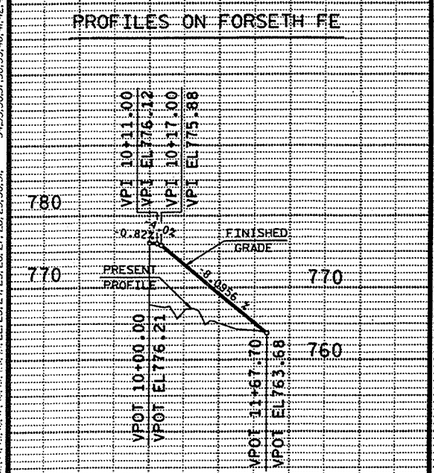
PROFILES ON TYERS PE



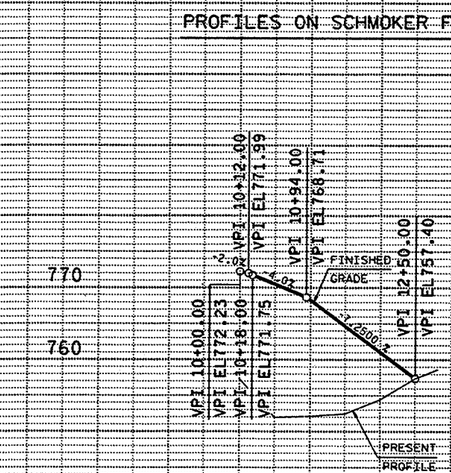
PROFILES ON HANSEN PE



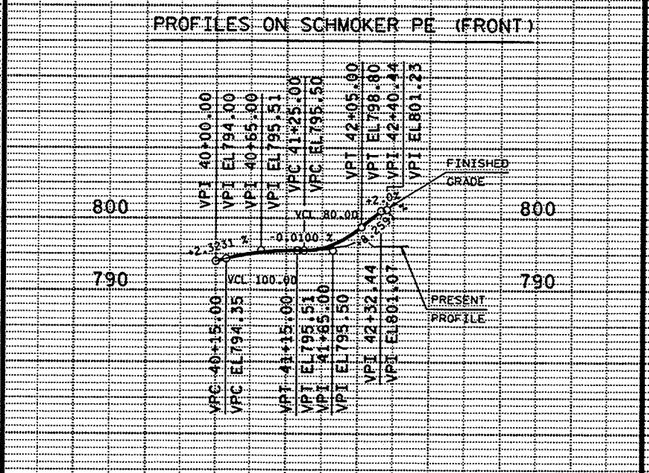
PROFILES ON FORSETH FE



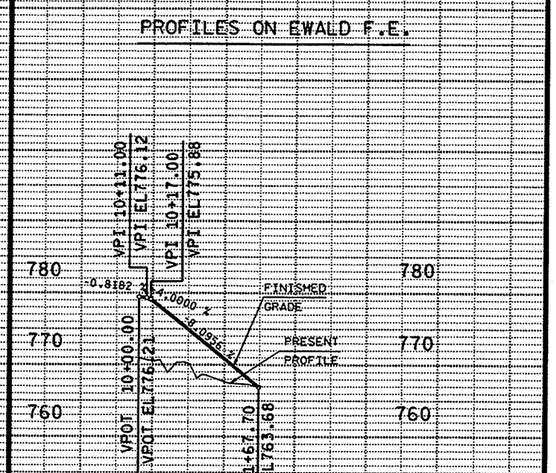
PROFILES ON SCHMOKER FE



PROFILES ON SCHMOKER PE (FRONT)



PROFILES ON EWALD F.E.



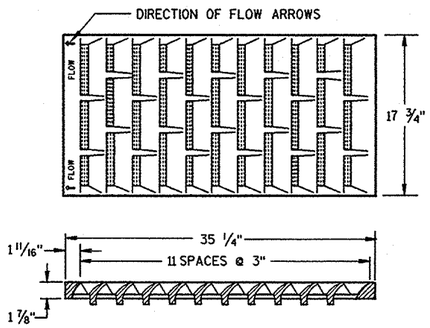
STATE PROJECT NUMBER: 6200-05-71	HWY: STH 110	COUNTY: WINNEBAGO	DRIVEWAY PROFILES	SHEET NO: 5.25	E

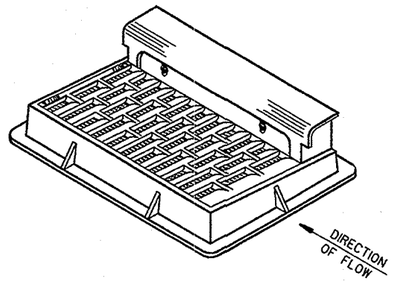
FILE NAME : F:±d3_620005±D3536.dgn PLOT DATE: 27-SEP-2001 13:40 ORG DATE : 2-1-01 PLOT NAME : d3536bd71 Originator : DISTRICT 3 PLOT SCALE : 200.606061:1.000000

WISDOT/CADDS SHEET 40

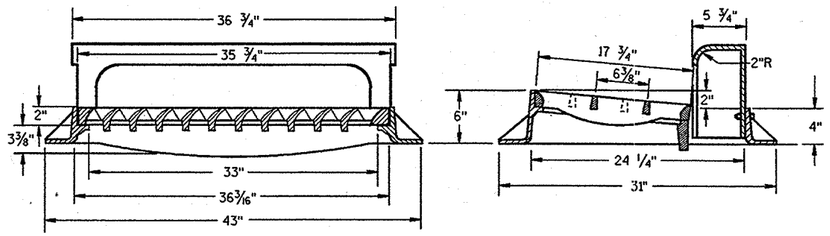
LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

NOTE:
GRATE IS REVERSIBLE.





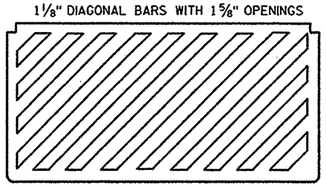
NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"



TYPE "H"

(APPROXIMATE WEIGHT 422 LBS.)
FRAME..... 175 LBS.
GRATE..... 138 LBS.
CURB BOX..... 109 LBS.

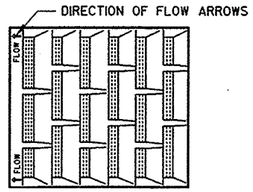
1 1/8" DIAGONAL BARS WITH 1 5/8" OPENINGS

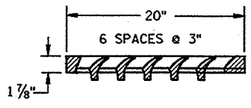


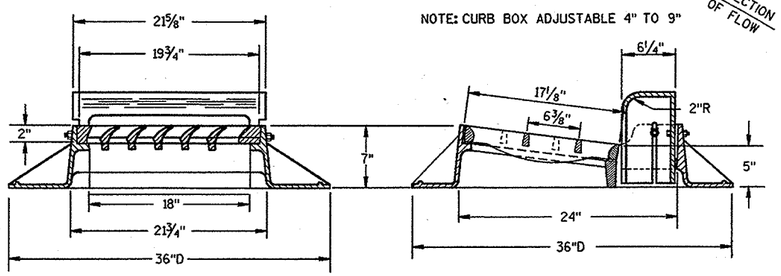
SPECIAL GRATE FOR TYPE "H" COVER

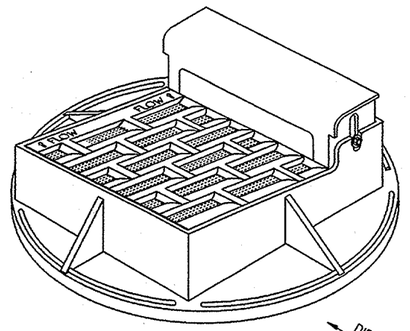
(MEASURES 35 1/4" X 17 3/4" X 2")
(APPROXIMATE WEIGHT 172 LBS.)
GRATE..... 172 LBS.

(NOTED AS TYPE H-S ON DRAINAGE TABLE)









NOTE: CURB BOX ADJUSTABLE 4" TO 9"

TYPE "A"

(APPROXIMATE WEIGHT 325 LBS.)
FRAME..... 157 LBS.
GRATE..... 84 LBS.
CURB BOX..... 84 LBS.

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

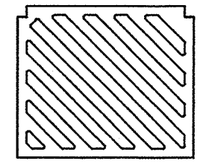
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

THE ACTUAL WEIGHT OF COVERS MAY VARY WITHIN 5 PERCENT, PLUS OR MINUS, OF THE APPROXIMATE WEIGHT.

NOTE:
GRATE IS REVERSIBLE.

1" DIAGONAL BARS WITH 1½" OPENINGS



SPECIAL GRATE FOR TYPE "A" COVER

(MEASURES 19 3/4" X 17" X 1 7/8"
GRATE..... 84 LBS.

(NOTED AS TYPE A-S ON DRAINAGE TABLE)

INLET COVERS
TYPE A, H, A-S, & H-S

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

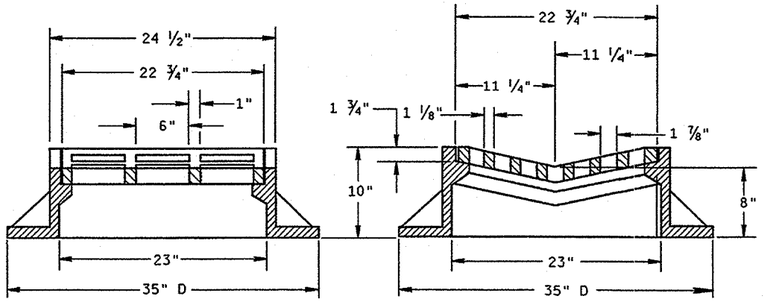
APPROVED 10/04/99
DATE

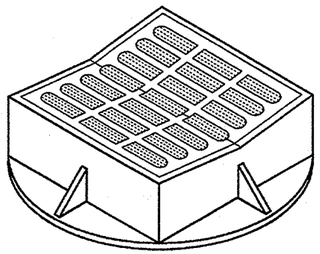
Tony R. Kuntzman
CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

S.D.D. 8 A 5-16a

S.D.D. 8 A 5-16a

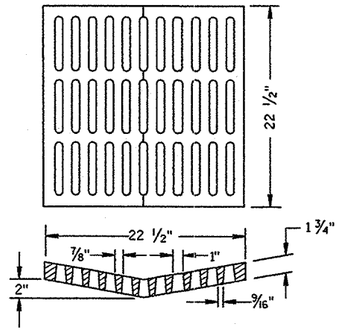




TYPE "B"

(APPROXIMATE WEIGHT 395 LBS.)

FRAME..... 285 LBS.
GRATE..... 110 LBS.

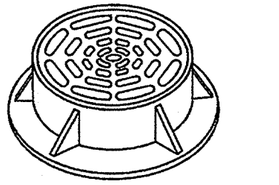


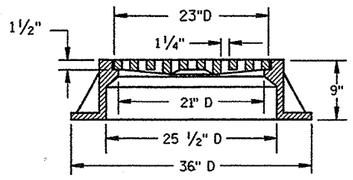
ALTERNATIVE GRATE FOR TYPE "B" COVER

(APPROXIMATE GRATE WEIGHT 125 LBS.)
GRATE.....125 LBS.

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS POSSIBLE.

NOTED AS TYPE B-A ON THE DRAINAGE TABLE





TYPE "C"

(APPROXIMATE WEIGHT 340 LBS.)

FRAME..... 235 LBS.
GRATE..... 105 LBS.

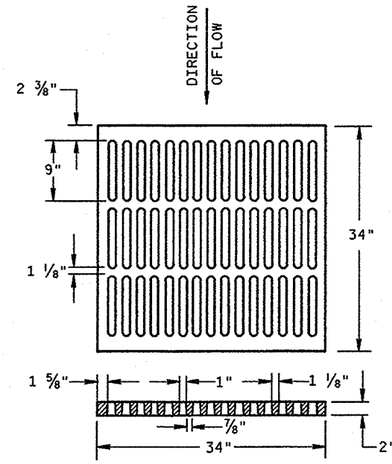
GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

THE ACTUAL WEIGHT OF COVERS MAY VARY WITHIN 5 PERCENT, PLUS OR MINUS, OF THE APPROXIMATE WEIGHT.

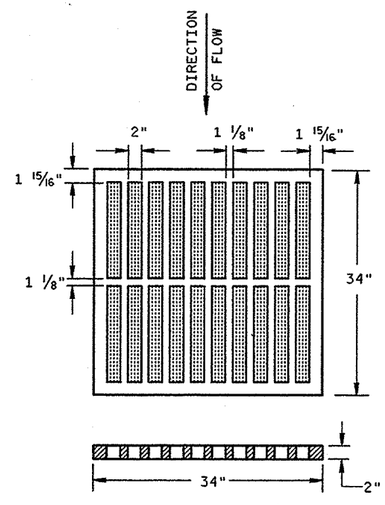


ALTERNATIVE TYPE "MS"

(APPROXIMATE GRATE WEIGHT 365 LBS.)
GRATE.....365 LBS.

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED

NOTED AS TYPE MS-A ON THE DRAINAGE TABLE

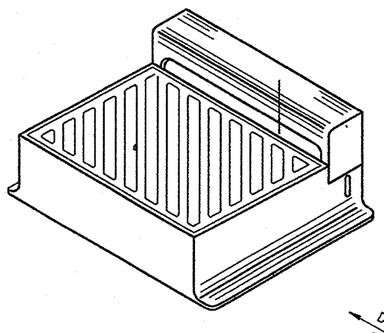


TYPE "MS"

(APPROXIMATE GRATE WEIGHT 270 LBS.)
GRATE.....270 LBS.

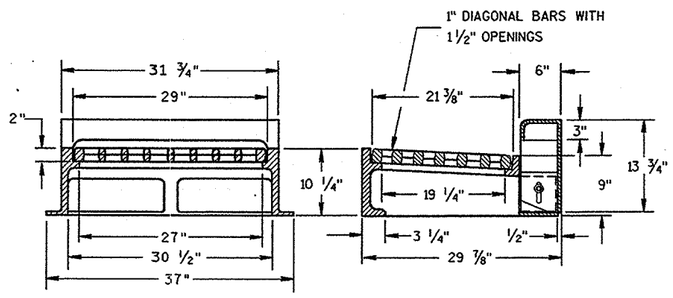
USE ON FREEWAYS AND EXPRESSWAYS

NOTED AS TYPE MS ON DRAINAGE TABLE



DIRECTION OF FLOW

DIAGONAL SLOTS, SHALL BE ORIENTED TO THE DIRECTION OF FLOW AS ILLUSTRATED. GRATES ARE MANUFACTURED TO BE REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

TYPE "WM"

(APPROXIMATE WEIGHT 670 LBS.)

FRAME..... 360 LBS.
GRATE..... 160 LBS.
CURB BOX..... 150 LBS.

INLET COVERS
TYPE B, B-A, C, MS, MS-A, & WM

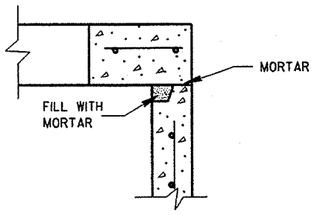
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/04/99
DATE
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

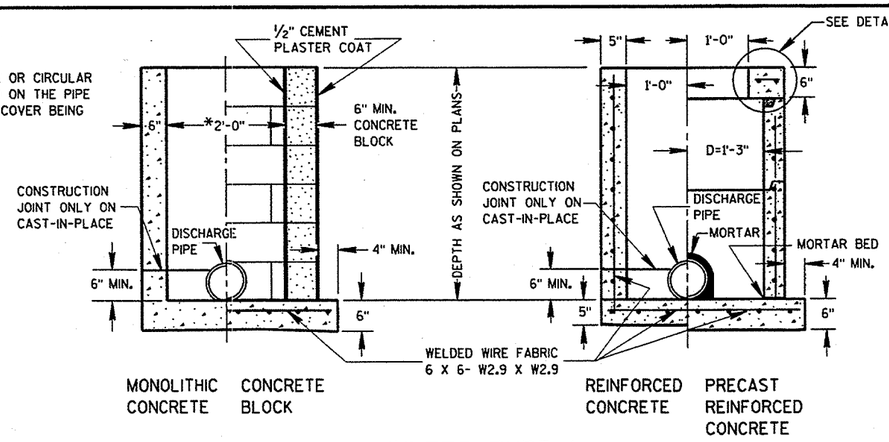
S.D.D. 8 A 5-16b

S.D.D. 8 A 5-16b

*SELECTION OF SQUARE OR CIRCULAR DESIGN WILL BE BASED ON THE PIPE SIZES AND THE INLET COVER BEING UTILIZED



DETAIL "A"



INLETS TYPE 1

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 1-C", "CATCH BASINS 1-B", "INLETS 3-H", ETC. THE FIRST DIGIT DESIGNATES THE MASONRY PORTION OF THE STRUCTURE. AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

PRECAST REINFORCED BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF GRANULAR BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

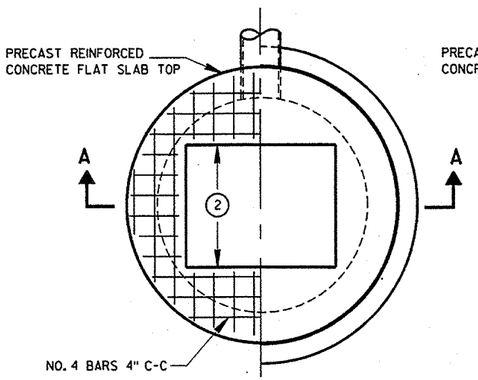
PRECAST REINFORCED CONCRETE FLAT SLAB TOPS MAY BE USED ON THE STRUCTURES. THE TOPS SHALL BE INSTALLED ON A BED OF MORTAR.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

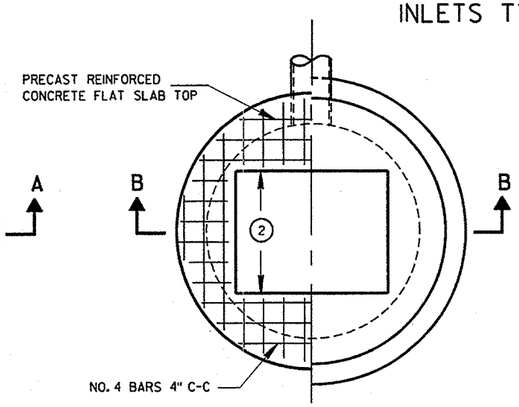
PRECAST REINFORCED CONCRETE RISERS SHALL BE PLACED WITH TONGUE DOWN.

(1) USE 2'-6" OPENING FOR TYPE 2 INLETS, 3'-0" OPENING FOR TYPE 3 INLETS, AND 2'-11" FOR TYPE 4 INLETS.

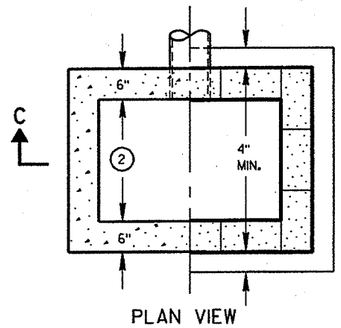
(2) USE 2'-0" OPENING FOR TYPE 1, 2 & 3 INLETS, 2'-6½" OPENING FOR TYPE 4 INLETS.



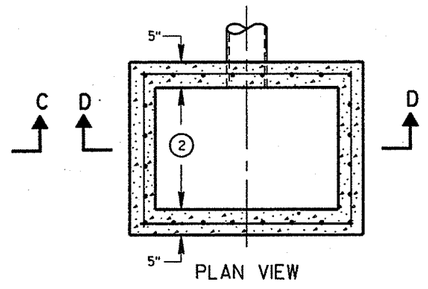
PLAN VIEW



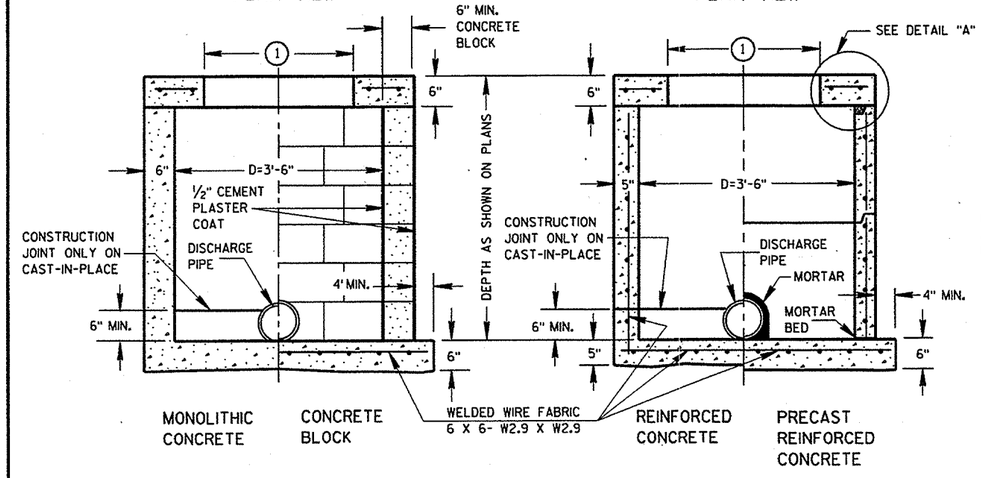
PLAN VIEW



PLAN VIEW

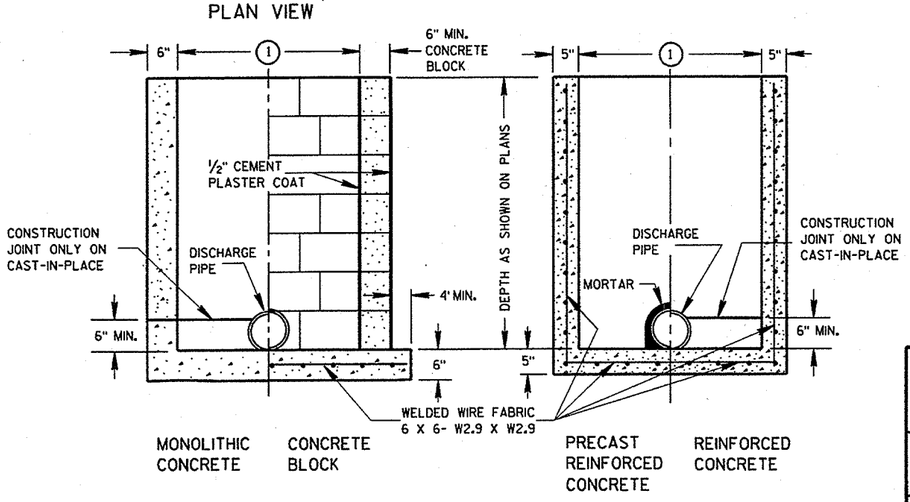


PLAN VIEW



SECTION A-A

SECTION B-B



SECTION C-C

SECTION D-D

INLETS TYPE 2, 3 & 4

INLETS TYPE 1, 2, 3 & 4

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

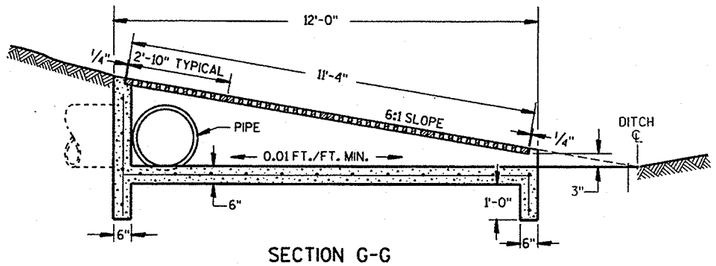
APPROVED 8/26/94 DATE

Roger L. Thiessen
CHIEF ROADWAY DEVELOPMENT ENGINEER

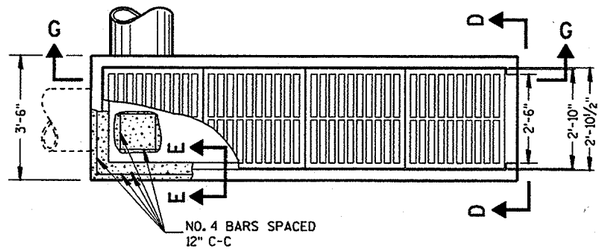
FHWA

S.D.D. 8 C 1-5

S.D.D. 8 C 1-5

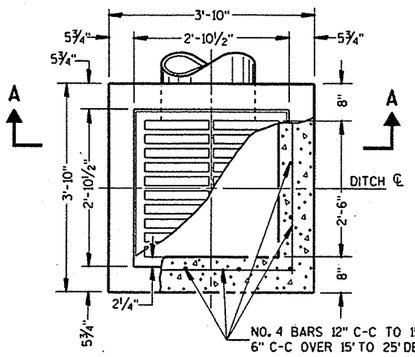


SECTION G-G

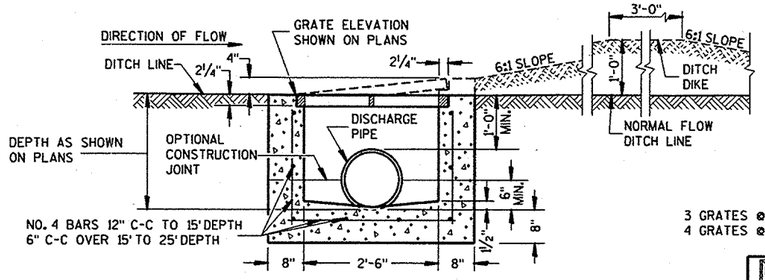


PLAN VIEW

REINFORCED CONCRETE INLET TYPE 11

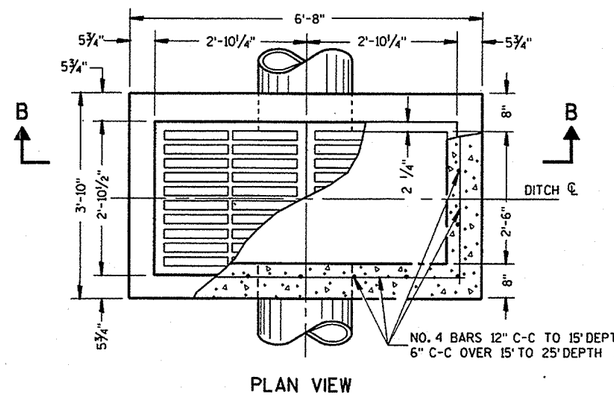


PLAN VIEW

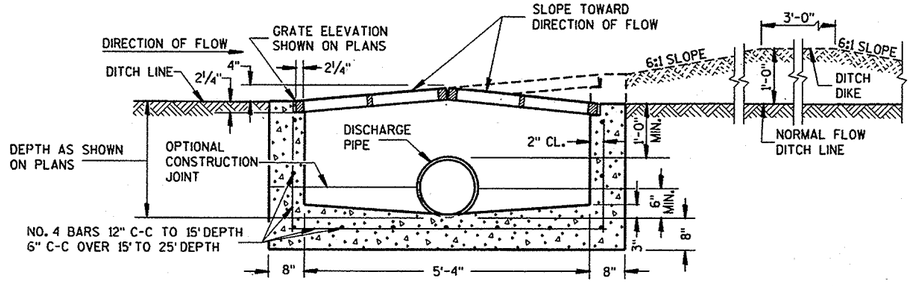


SECTION A-A

REINFORCED CONCRETE INLET TYPE 8



PLAN VIEW



SECTION B-B

REINFORCED CONCRETE INLET TYPE 9

GENERAL NOTES

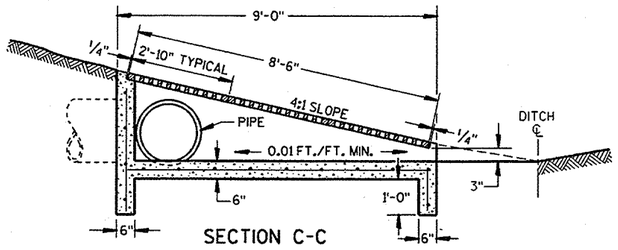
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLETS WHICH MAY INCLUDE PRECAST REINFORCED CONCRETE INLETS, SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

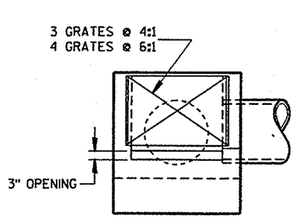
PRECAST REINFORCED CONCRETE INLET UNITS, IF USED, SHALL CONFORM TO THE REQUIREMENTS OF THE CATCH BASINS, MANHOLES AND INLETS SECTION OF THE STANDARD SPECIFICATIONS. UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A CORRECTED LIST OF SIZES IS FURNISHED BY THE ENGINEER.

ALL INLETS ARE DESIGNATED ON THE PLANS AS "INLETS, 8-MS", ETC. THIS DESIGNATION IS INTERPRETED TO MEAN THAT THE NUMBER, OR FIRST DIGIT DESIGNATES THE MASONRY PORTION OF THE STRUCTURE AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER OR IRON CASTING TO BE USED THEREWITH TO COMPRISE THE COMPLETE UNIT.

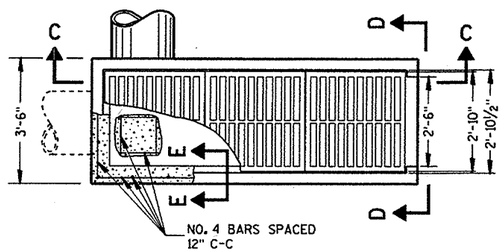
ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.



SECTION C-C

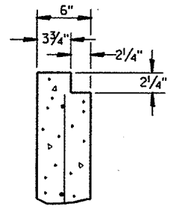


SECTION D-D



PLAN VIEW

REINFORCED CONCRETE INLET TYPE 10



SECTION E-E

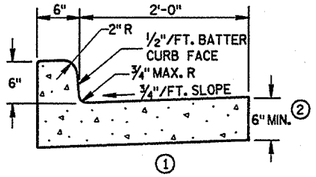
INLETS TYPE 8, 9, 10 AND 11

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

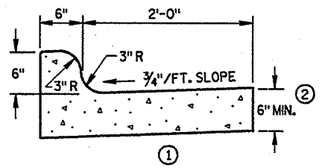
APPROVED
8/10/94
DATE
CHIEF, ROADWAY DEVELOPMENT ENGINEER
FHWA

S.D.D. 8 C 5-2

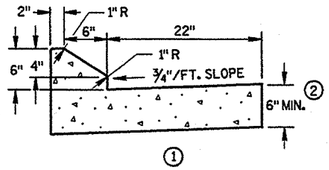
S.D.D. 8 C 5-2



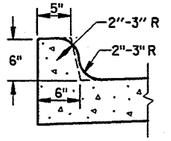
TYPES A & D



TYPES K & L

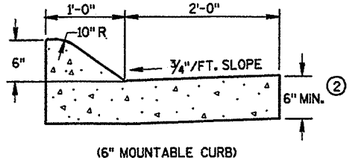


TYPES G & J

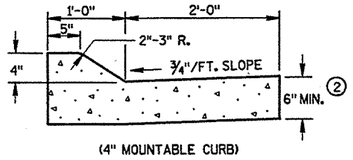


OPTIONAL CURB SHAPE
1
FOR TYPES K & L

CONCRETE CURB & GUTTER 30"



(6" MOUNTABLE CURB)



(4" MOUNTABLE CURB)

1
TYPES A & D

CONCRETE CURB & GUTTER 36"

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

INTEGRAL CURB & GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB & GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE. A LONGITUDINAL CONSTRUCTION JOINT IS NOT REQUIRED WITH INTEGRAL CURB AND GUTTER.

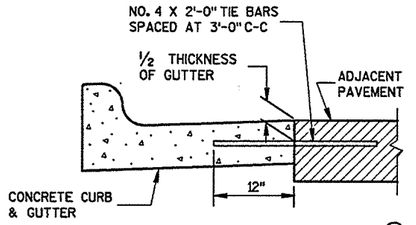
WHERE THE TRANSVERSE JOINTS IN THE PAVEMENT ARE REQUIRED TO BE SEALED, THE JOINTS IN THE INTEGRAL CURB AND GUTTER SHALL BE SEALED TO THE FACE OF CURB WITH THE SAME TYPE OF SEALANT. THE COST OF FURNISHING AND INSTALLING THIS SEALANT SHALL BE INCIDENTAL TO THE ITEM CONCRETE CURB AND GUTTER.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE COURSE AND UNCLASSIFIED EXCAVATION LIMITS ARE 2'-0" BEHIND THE BACK OF CURBS.

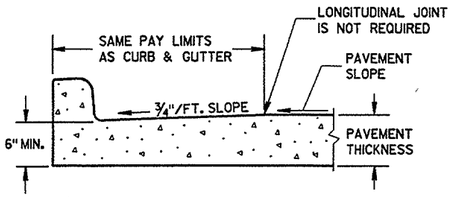
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G AND K.

(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE COURSE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

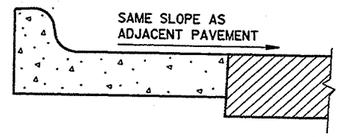
(3) WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.



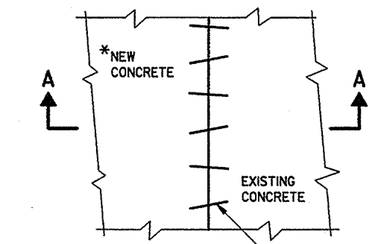
1
TYPICAL TIE BAR LOCATION



PARTIAL SECTION OF PAVEMENT
WITH INTEGRAL CURB & GUTTER

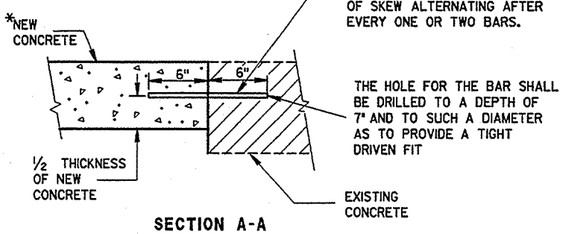


REVERSE SLOPE GUTTER
(TYPICAL FOR ALL CURB & GUTTER TYPES)
3



PLAN VIEW

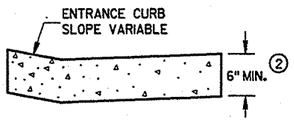
*NEW CURB & GUTTER, SURFACE DRAINS, CONCRETE PAVEMENT OR OTHER NEW CONCRETE.



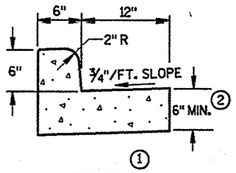
NO. 6 X 12" DEF. BARS SPACED 3'-0" C-C, INSTALLED ON 6:1 SKEW HORIZONTALLY. DIRECTION OF SKEW ALTERNATING AFTER EVERY ONE OR TWO BARS.

THE HOLE FOR THE BAR SHALL BE DRILLED TO A DEPTH OF 7" AND TO SUCH A DIAMETER AS TO PROVIDE A TIGHT DRIVEN FIT

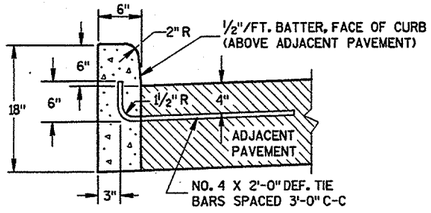
SECTION A-A
PAVEMENT TIES



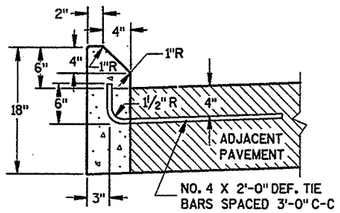
DRIVEWAY ENTRANCE CURB
(WHEN DIRECTED BY THE ENGINEER)



TYPES A & D
CONCRETE CURB & GUTTER 18"



TYPES A & D



TYPES G & J

CONCRETE CURB

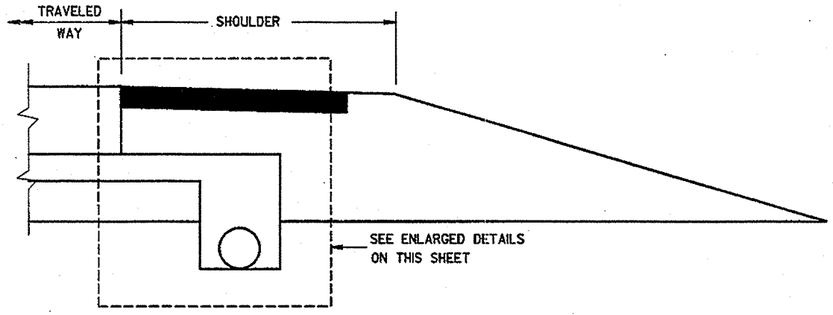
CONCRETE CURB, CONCRETE CURB & GUTTER AND PAVEMENT TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED 04/16/99 DATE
Roy L. Thomsen
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

S.D.D. 8 D 1-13

S.D.D. 8 D 1-13



RURAL CROSS SECTION

NOTES

THE DIMENSIONS SHOWN ON THE TYPICAL CROSS SECTIONS WILL GOVERN IN THE EVENT THERE IS A CONFLICT WITH THE DETAILS SHOWN ON THIS DRAWING.

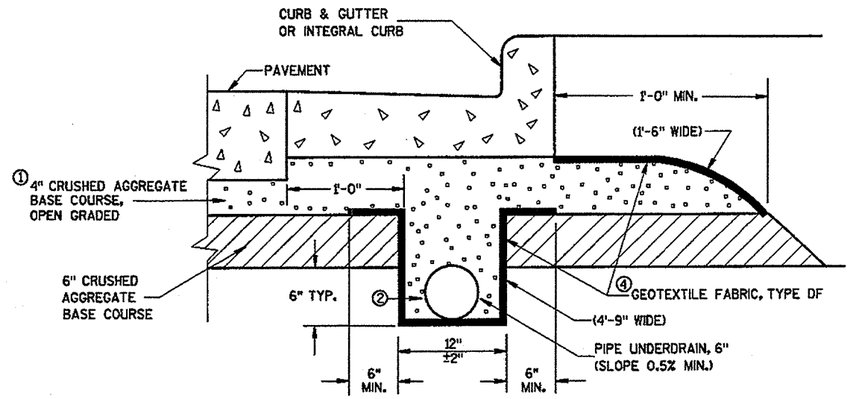
PIPE UNDERDRAIN SHALL BE LAID PARALLEL TO THE GRADE OF THE ROADWAY.

① THE GRADATION OF THE OPEN GRADED BASE COURSE SHALL BE EITHER NO. 1 OR NO. 2 AS SPECIFIED ELSEWHERE IN THE CONTRACT.

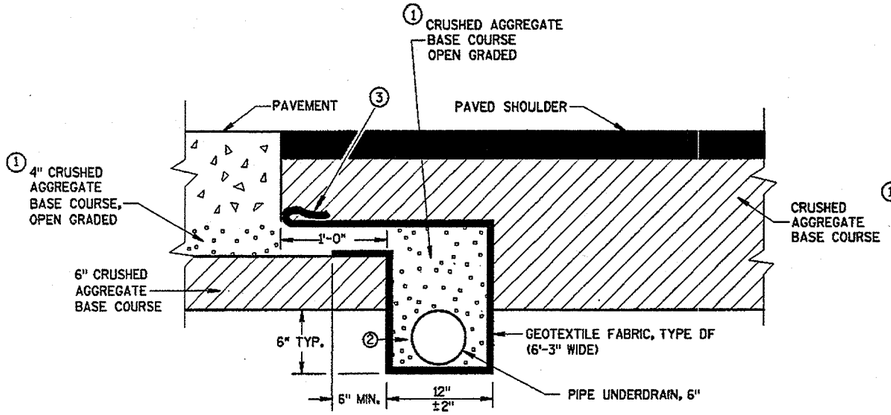
② TRENCH BACKFILL WILL BE PAID FOR AS CRUSHED AGGREGATE BASE COURSE, OPEN GRADED NO. 1 OR NO. 2 AS SPECIFIED.

③ FOLD OVER EXCESS GEOTEXTILE FABRIC AT THIS LOCATION.

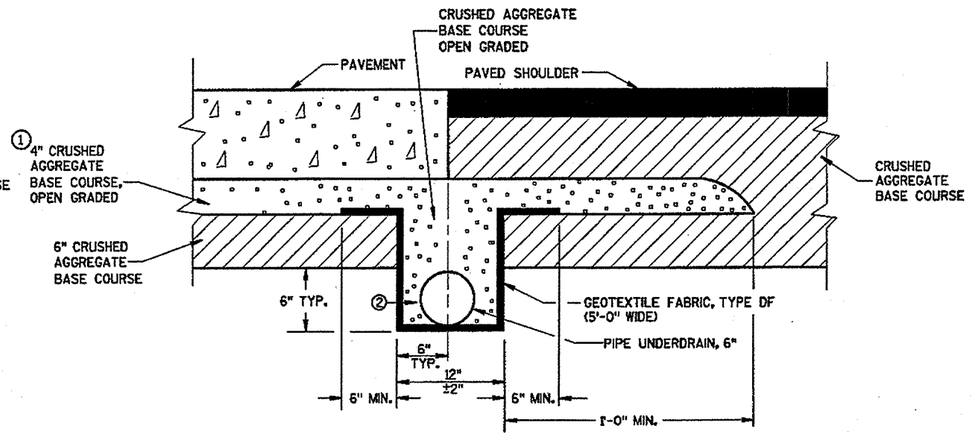
④ TOTAL FABRIC WIDTH IS 6'-3" FOR PAYMENT.



EDGEDRAIN IN URBAN ROADWAY



POST PAVING INSTALLATION
(QUANTITIES ARE BASED ON THIS DETAIL)



PRE-PAVING INSTALLATION ALTERNATE

EDGEDRAIN IN RURAL ROADWAY

EDGEDRAIN AND CRUSHED AGGREGATE BASE COURSE, OPEN GRADED, NO.1 OR NO. 2

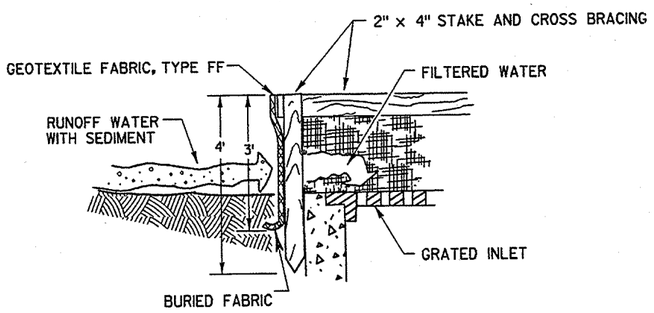
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

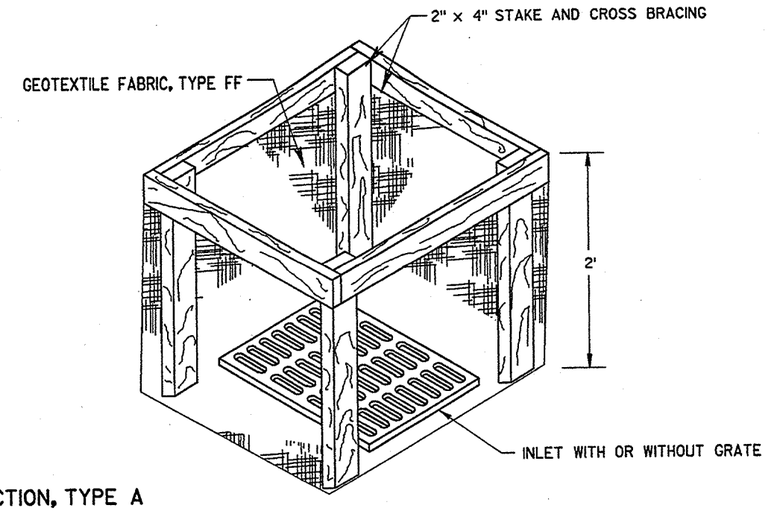
APPROVED 01/12/99 DATE
Tony L. Thurmaier
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

S.D.D. 8 D 15-3b

S.D.D. 8 D 15-3b

NOTE: ATTACH GEOTEXTILE FABRIC, TYPE FF TO THE TOP OF STAKES AND CROSS BRACINGS.





INLET PROTECTION, TYPE A

GENERAL NOTES:

FABRIC SHALL BE REPLACED AT THE ENGINEERS DISCRETION.

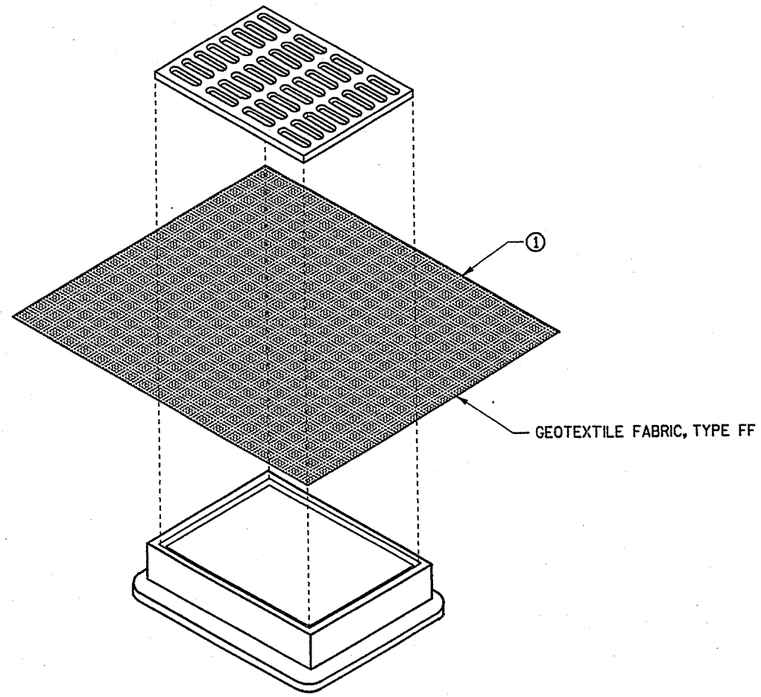
THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTIBILITY LIST MAY BE SUBSTITUTED.

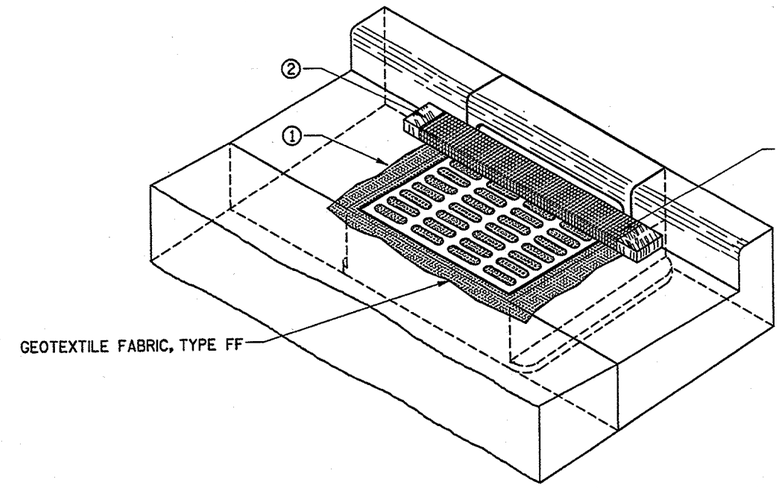
WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FABRIC SIZE SHALL BE 8" (MIN) GREATER ON ALL SIDES OF THE INLET COVER TO PROVIDE A HAND HOLD WHEN MAINTENANCE OR REMOVAL IS REQUIRED.

② FOR INLET PROTECTION, TYPE C, WITH A CURB BOX, AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES.



INLET PROTECTION, TYPE B (WITHOUT CURB BOX)
(CAN BE INSTALLED ON ANY INLET TYPE)



INLET PROTECTION, TYPE C (WITH CURB BOX)

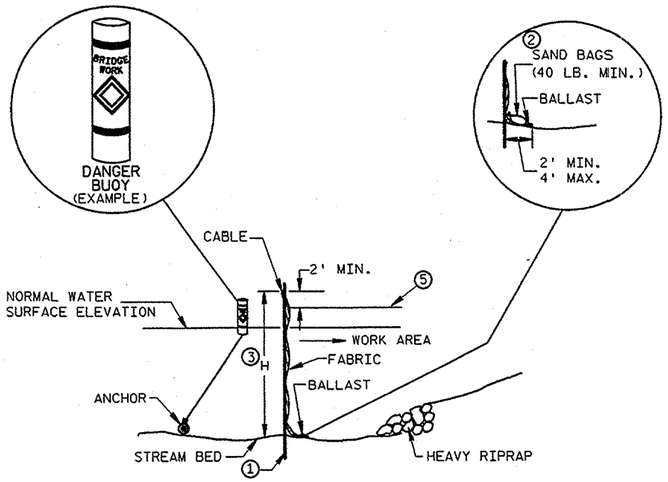
INLET PROTECTION
TYPE A, B AND C

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

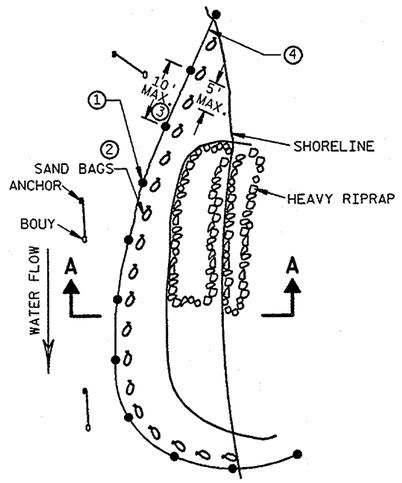
APPROVED 03/06/00 (DATE)
Roy D. Thuesen
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

S.D.D. 8 E 10-1

S.D.D. 8 E 10-1



SECTION A-A



PLAN VIEW

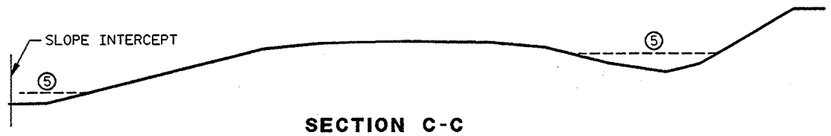
GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

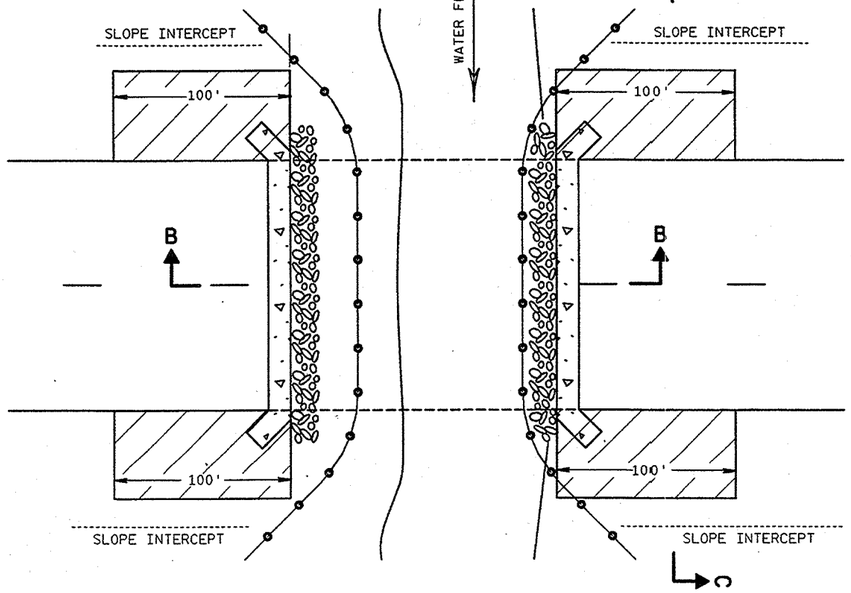
1. DRIVEN STEEL POSTS, PIPES, OR CHANNELS. LENGTH SHALL BE SUFFICIENT TO SECURELY SUPPORT BARRIER AT HIGH WATER ELEVATIONS.
2. SANDBAGS TO BE USED AS ADDITIONAL BALLAST WHEN ORDERED BY THE ENGINEER TO MEET ADVERSE FIELD CONDITIONS.
3. WHEN BARRIER HEIGHT, H, EXCEEDS 8 FT., POST SPACING MAY NEED TO BE DECREASED.
4. IN WATERWAYS SUBJECT TO FLUCTUATING WATER ELEVATIONS, PROVISIONS SHOULD BE MADE TO ALLOW THE WATER TO EQUALIZE ON EACH SIDE OF THE BARRIER. THIS MAY BE ACCOMPLISHED BY LEAVING A PORTION OF THE BARRIER OPEN ON THE UPSTREAM END.
5. ESTIMATED HIGH WATER ELEVATION DURING CONSTRUCTION PERIOD.

TURBIDITY BARRIER MAY BE REMOVED AT THE ENGINEERS DISCRETION, WHEN PERMANENT EROSION CONTROL MEASURES HAVE BEEN ESTABLISHED.

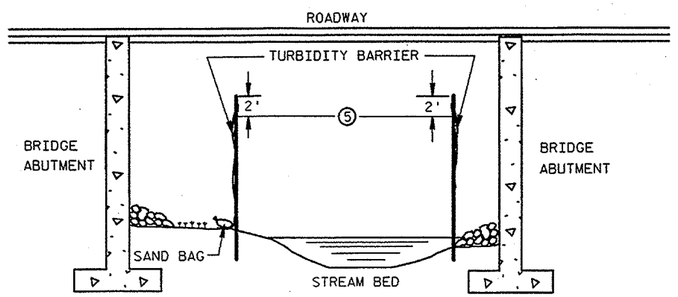
TURBIDITY BARRIER PLACEMENT DETAIL



SECTION C-C



PLAN VIEW



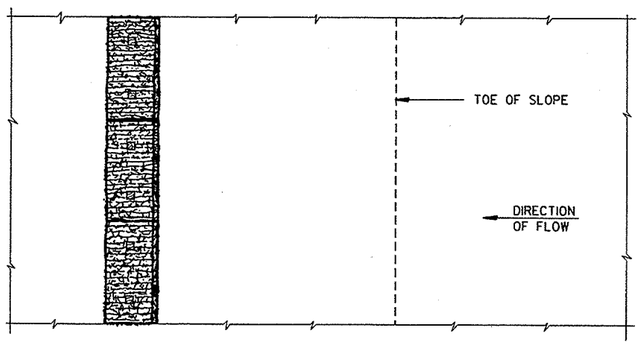
SECTION B-B

TURBIDITY BARRIER DETAIL SHOWING EROSION CONTROL PLACEMENT

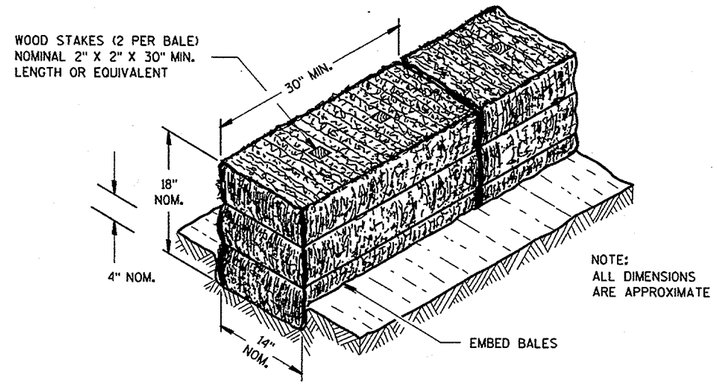
TURBIDITY BARRIER
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION
APPROVED 05/06/00 (DATE) Loyd L. Thompson CHIEF ROADWAY DEVELOPMENT ENGINEER FHWA

S.D.D. 8 E 11-1

S.D.D. 8 E 11-1

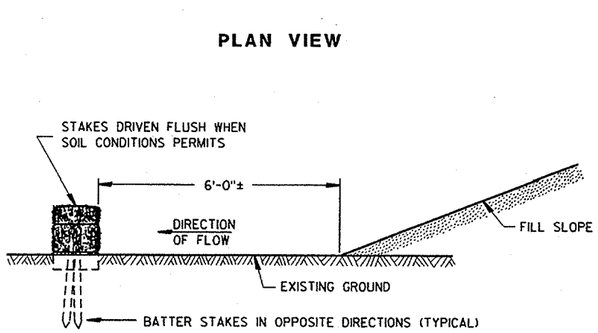


PLAN VIEW



GENERAL NOTES

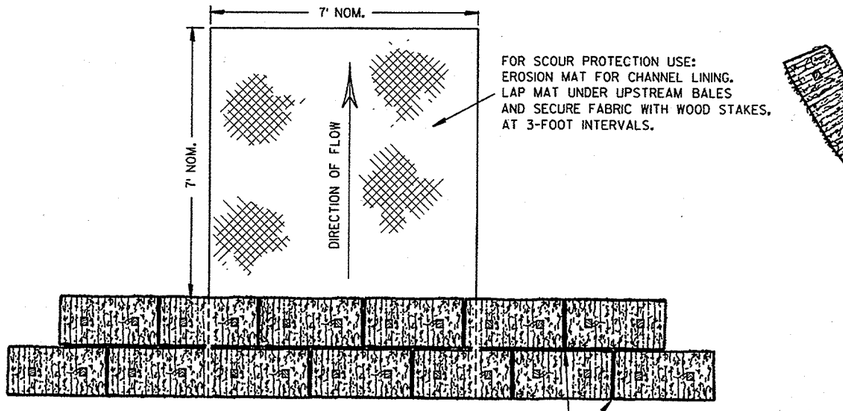
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



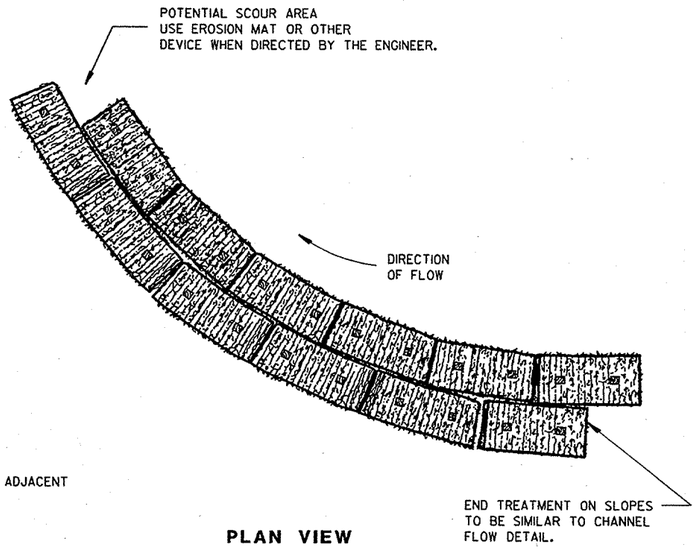
FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

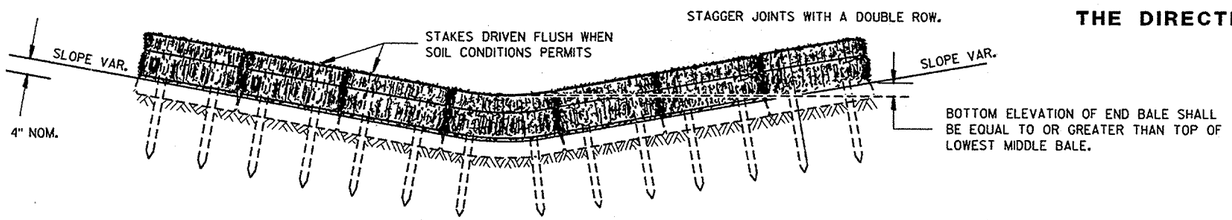


PLAN VIEW



PLAN VIEW

EROSION BALES WHEN ALTERING THE DIRECTION OF FLOW



FRONT ELEVATION

EROSION BALES FOR CHANNEL FLOW

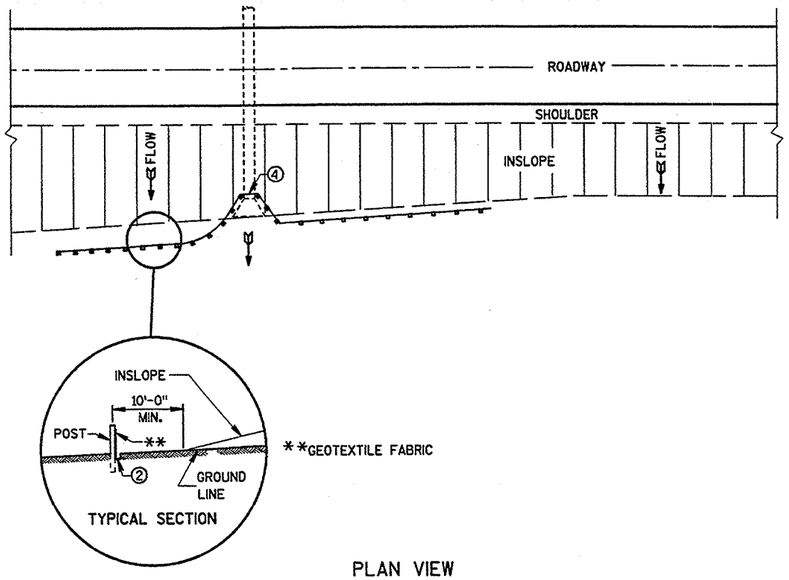
TYPICAL INSTALLATIONS
OF EROSION BALES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/29/94
DATE
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

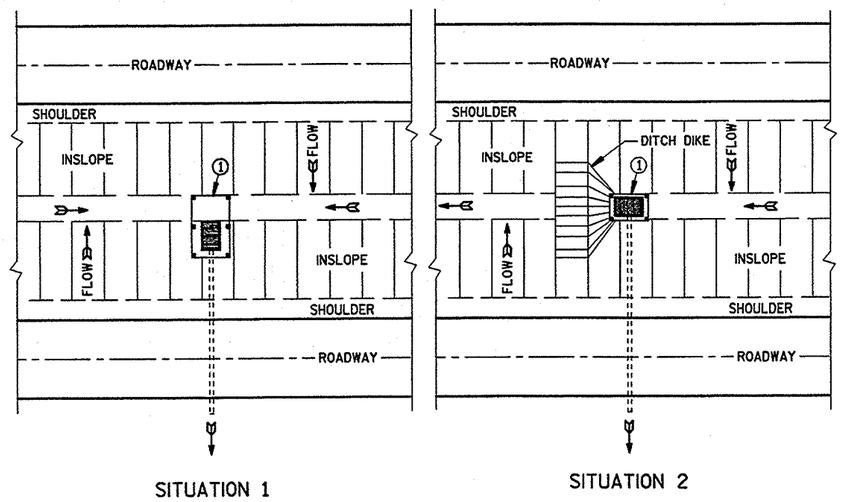
S.D.D. 8 E 8-2

S.D.D. 8 E 8-2



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

GENERAL NOTES

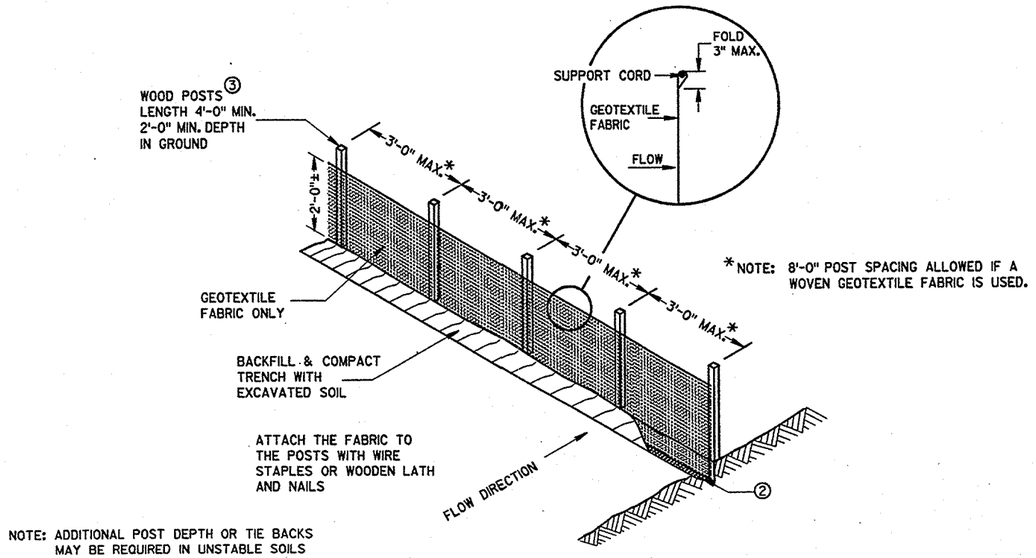
DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.

② TRENCH SHALL BE A MINIMUM OF 4" WIDE & 5" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.

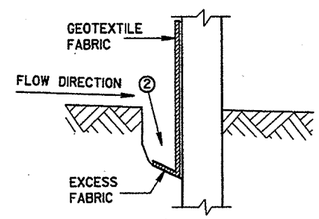
③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.

④ SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.

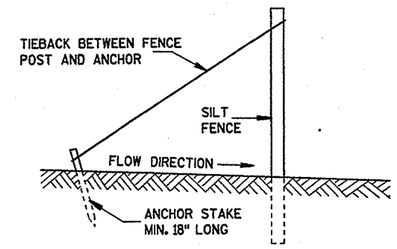


NOTE: ADDITIONAL POST DEPTH OR TIE BACKS MAY BE REQUIRED IN UNSTABLE SOILS

SILT FENCE



TRENCH DETAIL



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

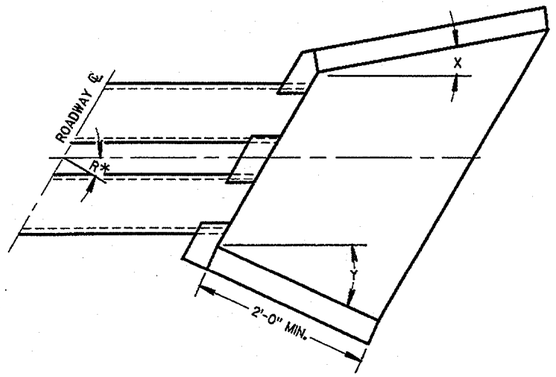
SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
03/06/00
DATE
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

S.D.D. 8 E 9-5

S.D.D. 8 E 9-5



WINGWALL ANGLE DETAILS

INLET			OUTLET		
R*	X	Y	R*	X	Y
0 - 7°	30°	30°	0 - 15°	15°	15°
8 - 22°	25°	"	16 - 45°	10°	"
23 - 37°	20°	"	46 - 75°	5°	"
38 - 52°	15°	"	OVER 75°	0°	"
53 - 67°	10°	"			
68 - 82°	5°	"			
OVER 82°	0°	"			

*R = NUMBER OF DEGREES RIGHT OR LEFT HAND FORWARD

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

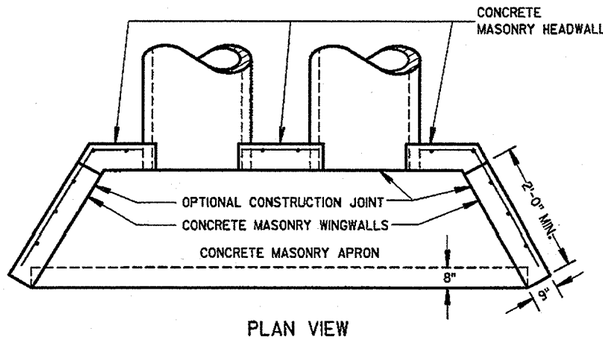
FILL SLOPES FLATTER THAN 2 ½:1 SHALL BE WARPED TO MEET THE TOP OF THE WINGWALLS.

ALL STEEL REINFORCEMENT AND WELDED STEEL WIRE FABRIC SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE NOTED.

(1) MINIMUM REINFORCEMENT SHALL BE 6" X 6" - W4.0 X W4.0 OR NO. 3 BARS SPACED 12" C-C IN BOTH DIRECTIONS.

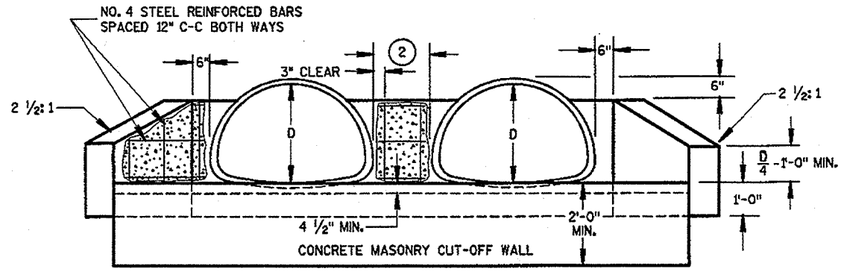
(2) THE SPACE BETWEEN PIPES SHALL BE AS FOLLOWS:

DIAMETER OR SPAN	SPACE
UP TO AND INCLUDING 48"	2'-0"
OVER 48" TO 72"	½ DIA. OR SPAN
OVER 72"	3'-0"



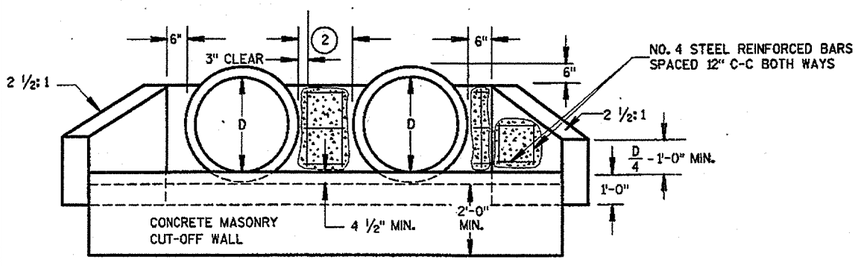
PLAN VIEW

CULVERT PIPE AND PIPE ARCH



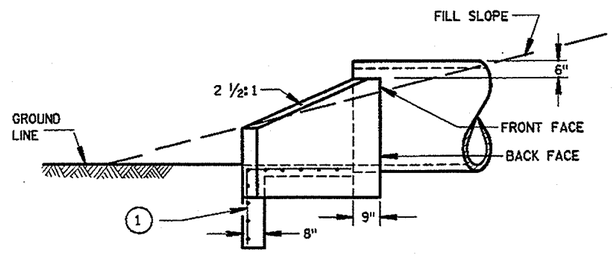
END ELEVATION

PIPE ARCH



END ELEVATION

CULVERT PIPE



SIDE ELEVATION

CULVERT PIPE AND PIPE ARCH

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED 9/14/98 (DATE)
Tony L. Thurmaier
CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

S.D.D. 8 F 10-1

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METAL APRON ENDWALLS

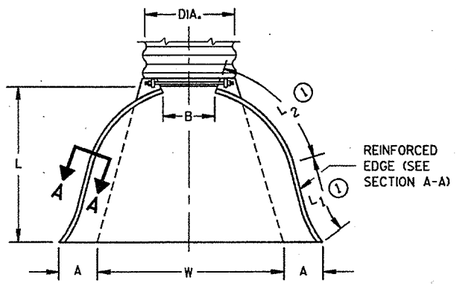
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1½")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17½	24	2½ to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21¾	30	2½ to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28¼	36	2½ to 1	1 Pc.
21	.064	.060	9	12	6	36	18	29⅝	42	2½ to 1	1 Pc.
24	.064	.075	10	13	6	41	18	37¼	48	2½ to 1	1 Pc.
30	.079	.075	12	16	8	51	18	52¼	60	2½ to 1	1 Pc.
36	.079	.105	14	19	9	60	24	59¾	72	2½ to 1	2 Pc.
42	.109	.105	16	22	11	69	24	75⅝	84	2½ to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2¼ to 1	3 Pc.
54	.109	.105	18	30	12	84	30	85½	102	2¼ to 1	3 Pc.
60	.109×	.105×	18	33	12	87	—	—	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	—	—	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	—	—	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	—	—	132	1½ to 1	3 Pc.
84	.109×	.105×	18	45	12	87	—	—	138	1½ to 1	3 Pc.
90	.109×	.105×	18	37	12	87	—	—	144	1½ to 1	3 Pc.
96	.109×	.105×	18	35	12	87	—	—	150	1½ to 1	3 Pc.

× EXCEPT CENTER PANEL SEE GENERAL NOTES

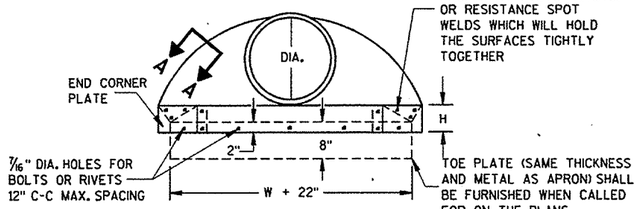
REINFORCED CONCRETE APRON ENDWALLS

PIPE DIA. (IN.)	DIMENSIONS (Inches) T	A	B	C	D	E	G	APPROX. SLOPE
12	2	4	24	48⅛	72⅞	24	2	3 to 1
15	2¼	6	27	46	73	30	2¼	3 to 1
18	2½	9	27	46	73	36	2½	3 to 1
21	2¾	9	36	37½	73½	42	2¾	3 to 1
24	3	9½	43½	30	73½	48	3	3 to 1
27	3¼	10½	49½	24	73½	54	3¼	3 to 1
30	3½	12	54	19¾	73½	60	3½	3 to 1
36	4	15	63	34¾	97¾	72	4	3 to 1
42	4½	21	63	35	98	78	4½	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	5½	27	65	*33¼-**35	*98¼-**100	90	5½	2⅔ to 1
60	6	*30-**35	60	39	99	96	5	2 to 1
66	6½	*24-**30	*72-**78	*21-**27	99	102	5½	2 to 1
72	7	*24-**36	78	21	99	108	6	2 to 1
78	7½	*24-**36	78	21	99	114	6½	2 to 1
84	8	36	90½	21	111½	120	6½	1½ to 1
90	8½	41	87½	24	111½	132	6½	1½ to 1

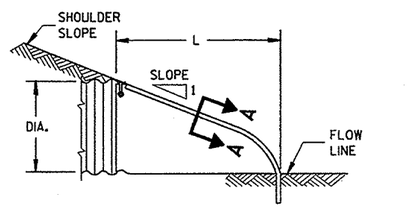
*MINIMUM
**MAXIMUM



PLAN VIEW

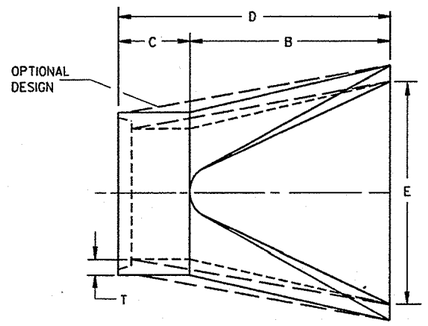


END VIEW

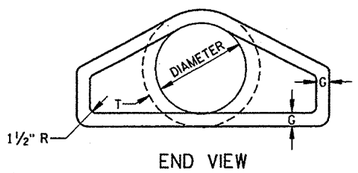


SIDE ELEVATION

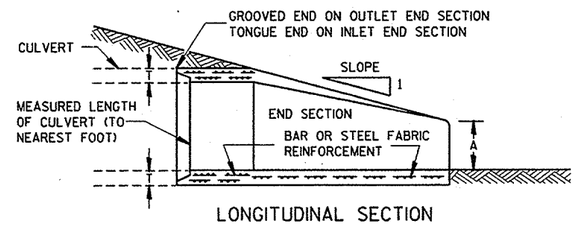
METAL ENDWALLS



PLAN

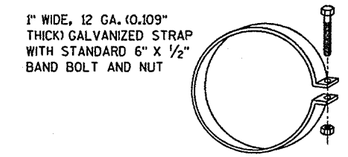


END VIEW



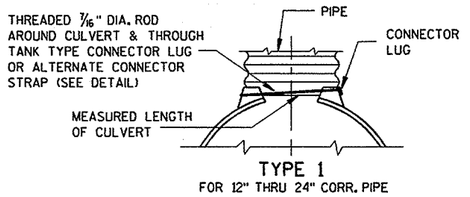
LONGITUDINAL SECTION

CONCRETE ENDWALLS

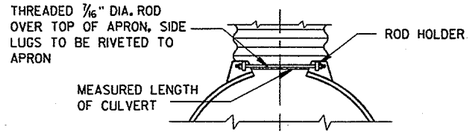


ALTERNATE FOR TYPE 1 CONNECTION

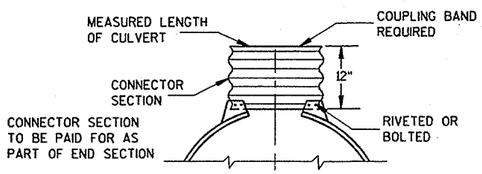
END SECTION CONNECTOR STRAP



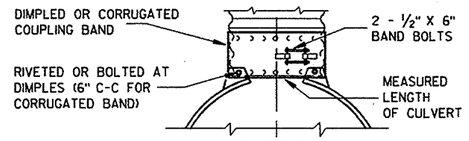
TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE



TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

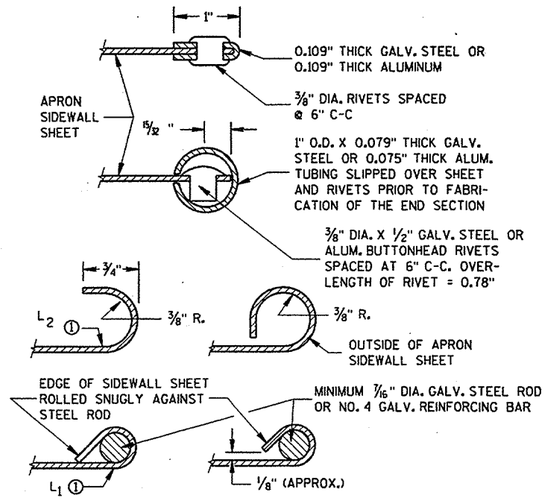
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL, AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5 AS APPLICABLE.

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

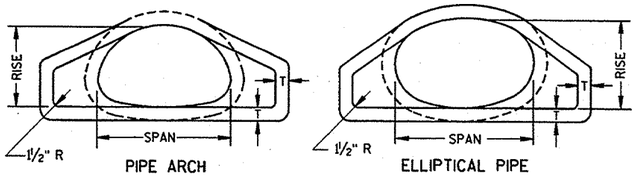
APRON ENDWALLS FOR CULVERT PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

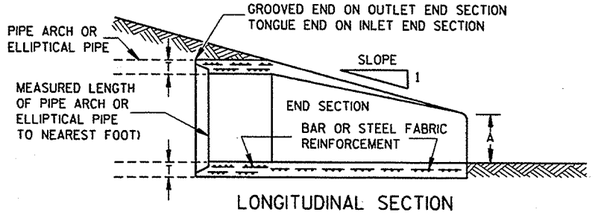
APPROVED
11/30/94
DATE
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

S.D.D. 8 F 1-11

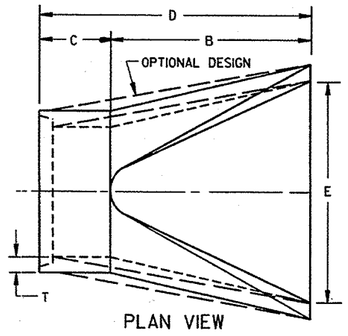
S.D.D. 8 F 1-11



END VIEW

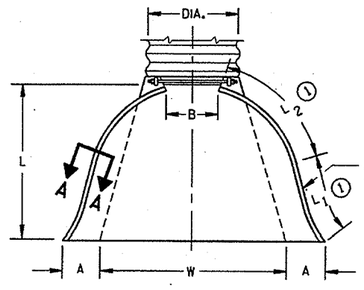


LONGITUDINAL SECTION

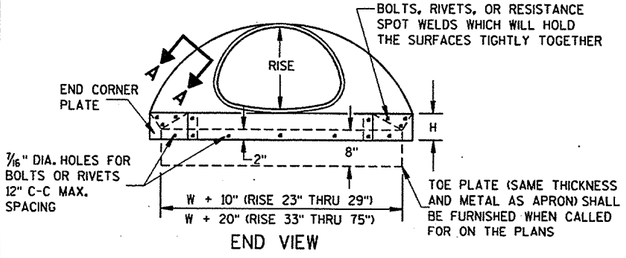


PLAN VIEW

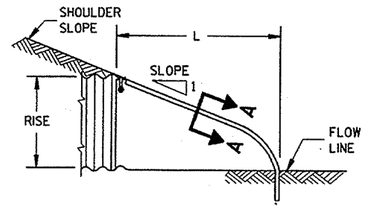
CONCRETE ENDWALLS



PLAN VIEW

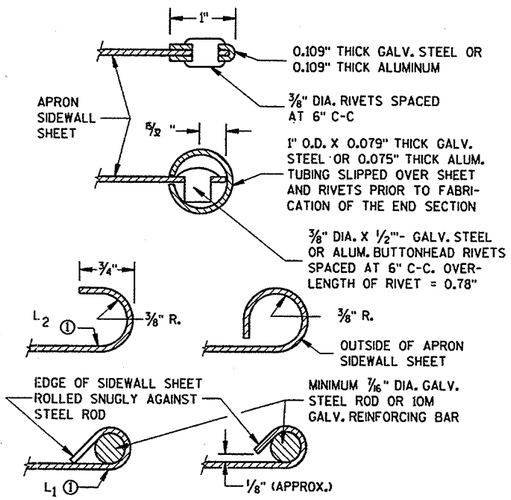


END VIEW



SIDE ELEVATION

METAL ENDWALLS



SECTION A-A

2- 2/3" X 1/2" CORRUGATIONS

EQUIV. DIA. (Inches)	(Inches) SPAN	RISE	MIN. THICK. (Inches) STEEL	ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1½")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
15	17	13	.064	.060	7	9	6	19	14	16	30	2½ to 1	1 Pc.
18	21	15	.064	.060	7	10	6	23	14	19⅜	36	2½ to 1	1 Pc.
21	24	18	.064	.060	8	12	6	28	18	21¾	42	2½ to 1	1 Pc.
24	28	20	.064	.060	9	14	6	32	18	27½	48	2½ to 1	1 Pc.
30	35	24	.079	.075	10	16	6	39	18	37⅝	60	2½ to 1	1 Pc.
36	42	29	.079	.075	12	18	8	46	24	45⅜	75	2½ to 1	1 Pc.
42	49	33	.109	.105	13	21	9	53	24	54¾	85	2½ to 1	2 Pc.
48	57	38	.109	.105	18	26	12	63	24	68	90	2½ to 1	3 Pc.
54	64	43	.109	.105	18	30	12	70	24	72¾	102	2¼ to 1	3 Pc.
60	71	47	.109*	.105*	18	33	12	77	30	82¼	114	2¼ to 1	3 Pc.
66	77	52	.109*	.105*	18	36	12	77	—	—	126	2 to 1	3 Pc.
72	83	57	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.

3" X 1" CORRUGATIONS

EQUIV. DIA. (Inches)	(Inches) SPAN	RISE	MIN. THICK. (Inches) STEEL	ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1½")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
48	53	41	.109	.105	18	26	12	63	24	72¾	90	2½ to 1	2 Pc.
54	60	46	.109	.105	18	30	12	70	30	82¼	102	2 to 1	2 Pc.
60	66	51	.109*	.105*	18	33	12	77	—	—	114	1½ to 1	3 Pc.
66	73	55	.109*	.105*	18	36	12	77	—	—	126	1½ to 1	3 Pc.
72	81	59	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.
78	87	63	.109*	.105*	22	38	12	77	—	—	148	1½ to 1	3 Pc.
84	95	67	.109*	.105*	22	34	12	77	—	—	162	1½ to 1	3 Pc.
90	103	71	.109*	.105*	22	38	12	77	—	—	174	1½ to 1	3 Pc.
96	112	75	.109*	.105*	24	40	12	77	—	—	174	1½ to 1	3 Pc.

NOTE: ALL SPLICES TO BE LAP RIVETED OR BOLTED.

*EXCEPT CENTER PANEL SEE GENERAL NOTES

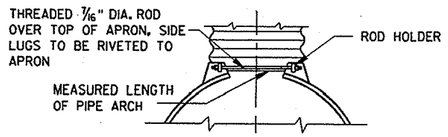
REINFORCED CONCRETE PIPE ARCH

EQUIV. DIA. (Inches)	DIMENSIONS (Inches) **SPAN	**RISE	T	A	B	C	D	E	APPROX. SLOPE
24	29	18	3	8½	39	33	72	48	3 to 1
30	36	22	3½	9½	50	46	96	60	3 to 1
36	44	27	4	11⅛	60	36	96	72	3 to 1
42	51	31	4½	15⅜	60	36	96	78	3 to 1
48	58	36	5	21	60	36	96	84	3 to 1
54	65	40	5½	25½	60	36	96	90	3 to 1
60	73	45	6	31	60	36	96	96	3 to 1
72	88	54	7	31	60	39	99	120	2 to 1
84	102	62	8	28½	83	19	102	144	2 to 1

REINFORCED CONCRETE ELLIPTICAL PIPE

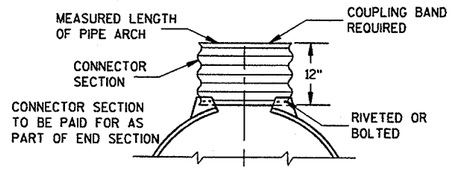
EQUIV. DIA. (Inches)	DIMENSIONS (Inches) **SPAN	**RISE	T	A	B	C	D	E	APPROX. SLOPE
24	30	19	3¼	8½	39	33	72	48	3 to 1
30	38	24	3¾	9½	54	18	72	60	3 to 1
36	45	29	4½	11⅛	60	24	84	72	2½ to 1
42	53	34	5	15¾	60	36	96	78	2½ to 1
48	60	38	5½	21	60	36	96	84	2½ to 1
54	68	43	6	25½	60	36	96	90	2½ to 1
60	76	48	6½	30	60	36	96	96	2½ to 1

**NOMINAL SIZE



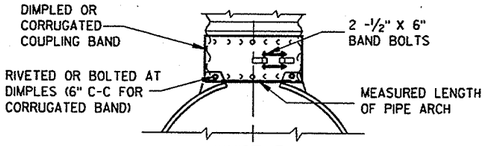
TYPE 2

FOR 17" X 13" THRU 112" X 75" PIPE ARCH



TYPE 3

FOR 64" X 43" THRU 112" X 75" PIPE ARCH



TYPE 5

ALTERNATE FOR:
ALL SIZES CORRUGATED PIPE ARCHES

NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL.

CONNECTION DETAILS

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

CONCRETE APRON ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM APRON ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 66" X 51" PIPE ARCH AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 66" X 51" PIPE ARCH AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE ARCH PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 77" X 52" THROUGH 112" X 75" APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

① FOR PIPE ARCH SIZES UP TO 73" X 55" A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

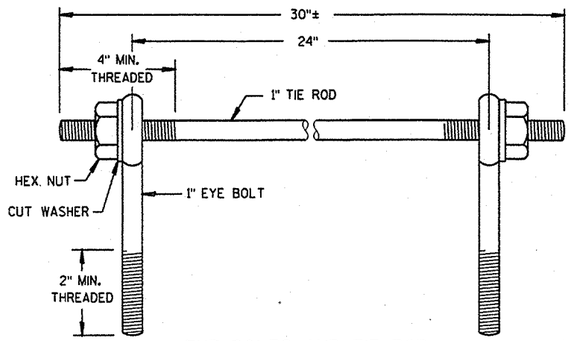
APPROVED
11/30/94
DATE

CHIEF ROADWAY DEVELOPMENT ENGINEER

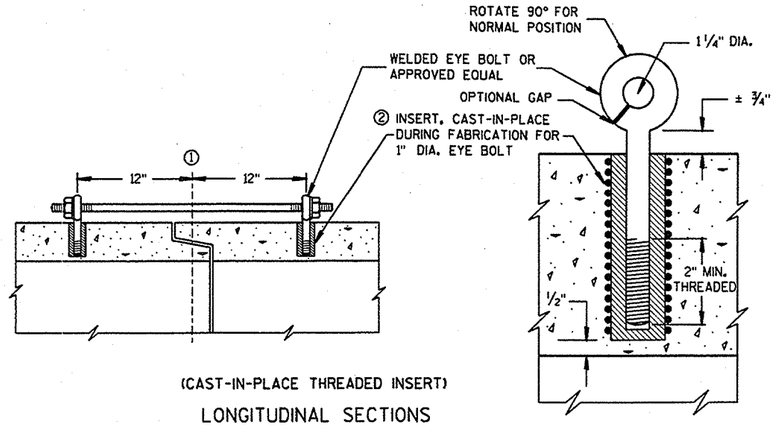
FHWA

S.D.D. 8 F 2-1

S.D.D. 8 F 2-1



EYE BOLTS AND TIE ROD



(CAST-IN-PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

GENERAL NOTES

CONCRETE CULVERT PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED ON THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES. UNLESS OTHERWISE STATED IN THE CONTRACT THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE CULVERT PIPE AS INDICTED ON THE PLANS AND BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO CILVERT PIPE, REINFORCED CONCRETE CULVERT PIPE, OR REINFORCED CONCRETE PIPE CATTLE PASS.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

① ℄ OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

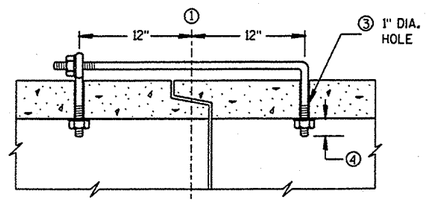
③ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12" FROM ℄ OF TONGUE AND GROOVE.

④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2".

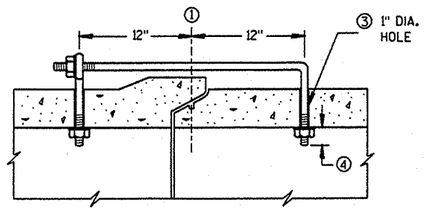
⑤ ROD DIAMETER + 1 INCH.

⑥ LENGTH ADEQUATE TO EXTEND TO WITHIN 1/2 INCH OF THE INNER SURFACE OF THE PIPE.

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)



(TONGUE & GROOVE PIPE)



(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

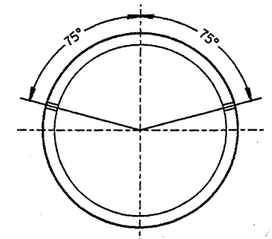
EYE BOLT DIMENSION TABLE

PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	

ADJUSTABLE TIE ROD TABLE

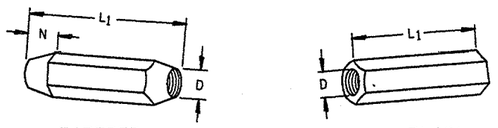
PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12-60	5/8	5/8	5	1/2
66-84	3/4	3/4	5	1/2
90-108	1	1	7	1 1/16

DIMENSIONS SHOWN ARE IN INCHES



PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

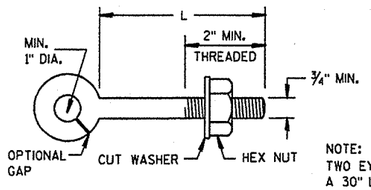
TRANSVERSE SECTION



TAPERED PLAIN

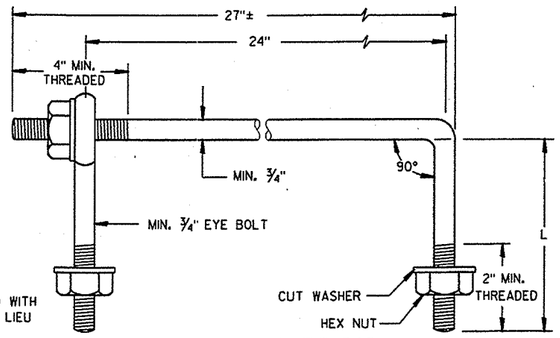
RIGHT AND LEFT THREADS

SLEEVE NUTS



EYE BOLT

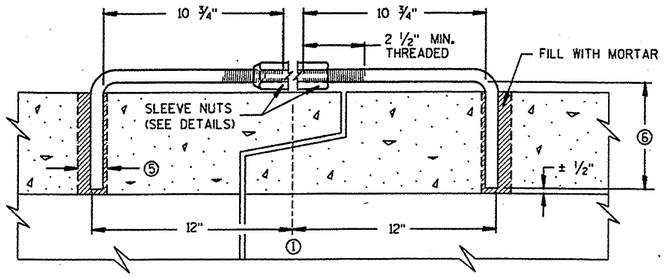
NOTE:
TWO EYE BOLTS MAY BE USED WITH A 30" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD

(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)



LONGITUDINAL SECTION

(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)

JOINT TIES FOR CONCRETE PIPE

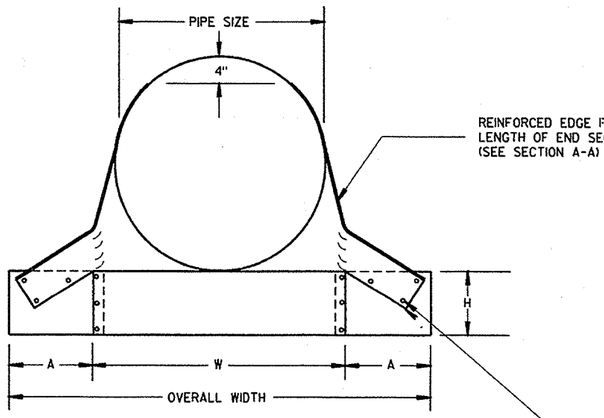
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED 5/16/92 DATE — STATE DESIGN ENGINEER FOR HWYS

FHWA

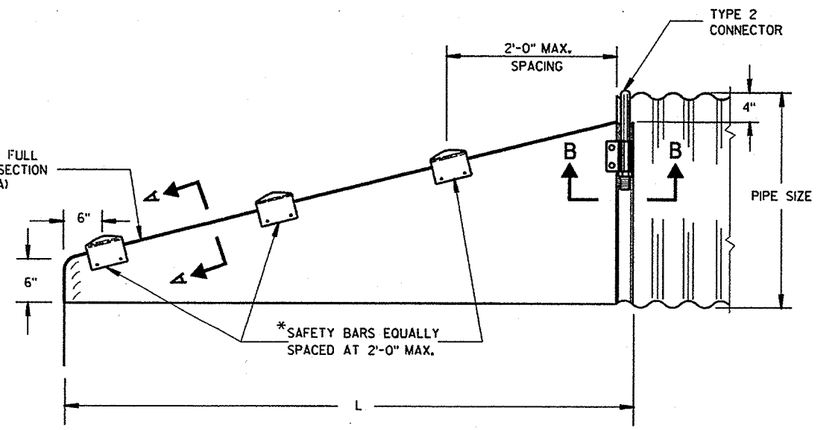
S.D.D. 8 F 4-5

S.D.D. 8 F 4-5



FRONT VIEW

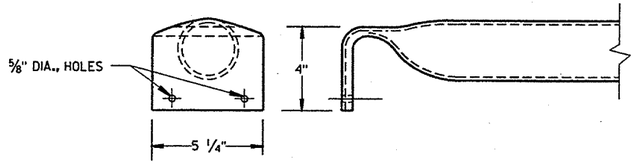
BOLTS, RIVETS, OR RESISTANCE SPOT WELDS WHICH WILL HOLD THE SURFACES TIGHTLY TOGETHER



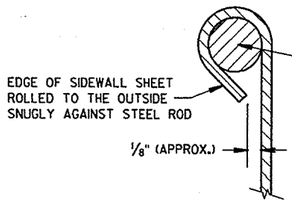
SIDE VIEW

*NOTE:
THREE SAFETY BARS ARE SHOWN. ACTUAL NUMBER OF BARS REQUIRED AT A 2'-0" C-C MAX. SPACING WILL VARY DEPENDING ON THE LENGTH OF THE END SECTION.

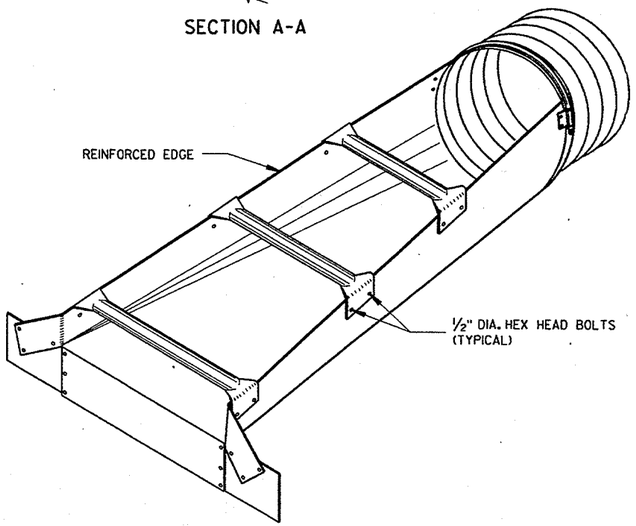
3" GALVANIZED PIPE. FLATTEN ENDS, THEN BEND OUTSIDE 4" TO MATCH END SECTION SIDES.



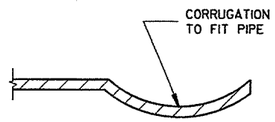
DETAIL OF SAFETY BAR



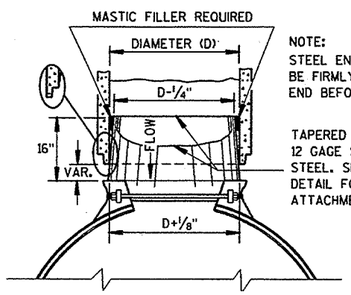
SECTION A-A



ISOMETRIC VIEW



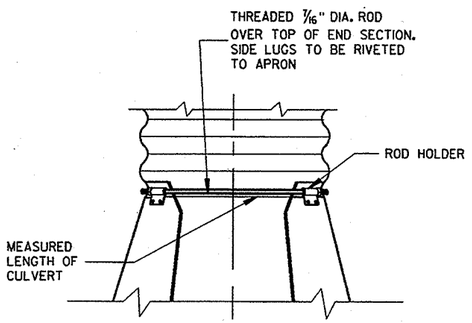
SECTION B-B



NOTE:
STEEL END SECTION SHALL BE FIRMLY WEDGED INTO PIPE END BEFORE BACKFILLING

TAPERED SLEEVE TO BE 12 GAGE SMOOTH GALVANIZED STEEL. SEE SECTION B-B DETAIL FOR END SECTION ATTACHMENT.

STEEL ADAPTER SLEEVE FOR CONCRETE PIPE



TYPE 2
CONNECTION DETAIL

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

SLOPED END SECTIONS SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS, SECTION 521 FOR STEEL APRON ENDWALLS.

SAFETY BARS SHALL BE FABRICATED FROM GALVANIZED STEEL PIPE MEETING THE REQUIREMENTS OF ASTM A-53, GRADE B, SCHEDULE 40 OR APPROVED EQUAL.

STEEL APRON ENDWALLS FOR CULVERT PIPE

PIPE DIA. (IN.)	MIN. THICK. (Inches)	DIMENSIONS (Inches)				L DIMENSIONS	
		A	H	W	OVERALL WIDTH	SLOPE	LENGTH INCHES
15	.064	8	6	21	37	6:1	30
18	.064	8	6	24	40	6:1	48
21	.064	8	6	27	43	6:1	66
24	.064	8	6	30	46	6:1	84
30	.109	12	9	36	60	6:1	120
36	.109	12	9	42	66	6:1	156
42	.109	16	12	48	80	5.63 TO 1	180
48	.109	16	12	54	86	4.74 TO 1	180
54	.109	16	12	60	92	——	——

STEEL APRON ENDWALLS FOR PIPE ARCH

EQUIV. DIA. (Inches)	(Inches)		MIN. THICK. (Inches)	DIMENSIONS (Inches)				L DIMENSIONS	
	SPAN	RISE		A	H	W	OVERALL WIDTH	SLOPE	LENGTH INCHES
15	17	13	.064	8	6	23	39	6:1	18
18	21	15	.064	8	6	27	43	6:1	30
21	24	18	.064	8	6	30	46	6:1	48
24	28	20	.064	8	6	34	50	6:1	60
30	35	24	.079	12	9	41	65	6:1	84
36	42	29	.109	12	9	48	72	6:1	114
42	49	33	.109	16	12	55	87	6:1	138
48	57	38	.109	16	12	63	95	6:1	168
54	64	43	.109	16	12	70	102	5.45 TO 1	180

STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SIDE DRAINS SLOPED SECTION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

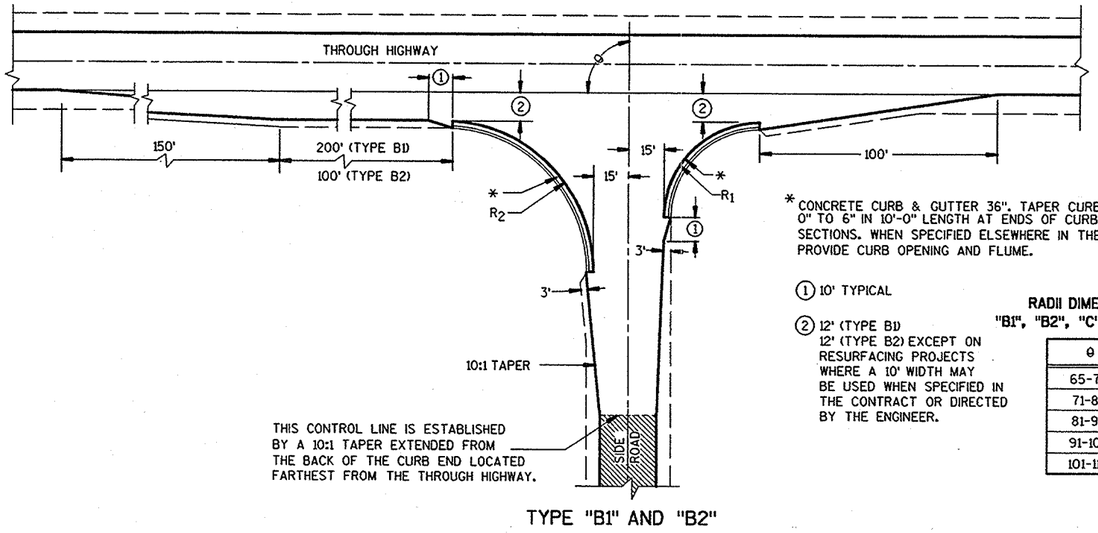
APPROVED
4/17/95
DATE

Roy L. Thuecomb
CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

S.D.D. 8 F 7-3

S.D.D. 8 F 7-3



TYPE "B1" AND "B2"

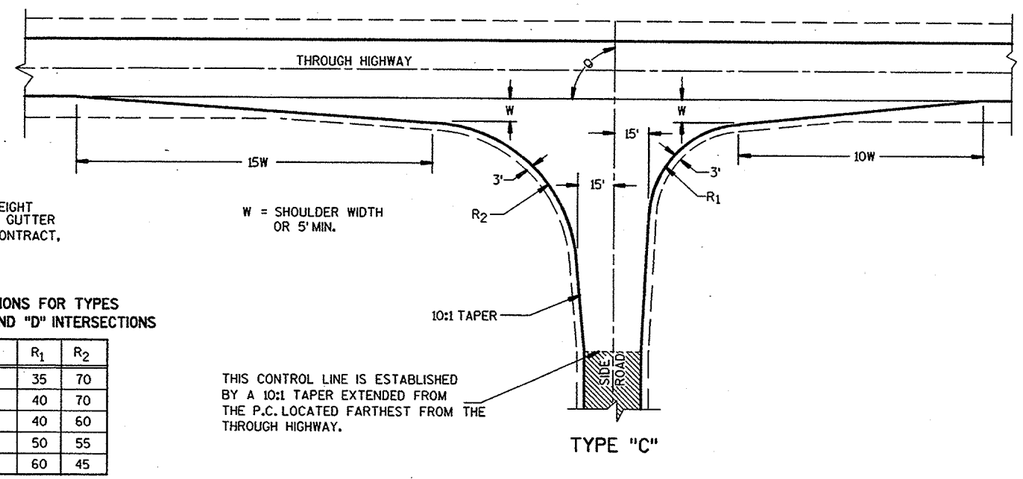
* CONCRETE CURB & GUTTER 36", TAPER CURB HEIGHT 0" TO 6" IN 10'-0" LENGTH AT ENDS OF CURB & GUTTER SECTIONS. WHEN SPECIFIED ELSEWHERE IN THE CONTRACT, PROVIDE CURB OPENING AND FLUME.

(1) 10' TYPICAL

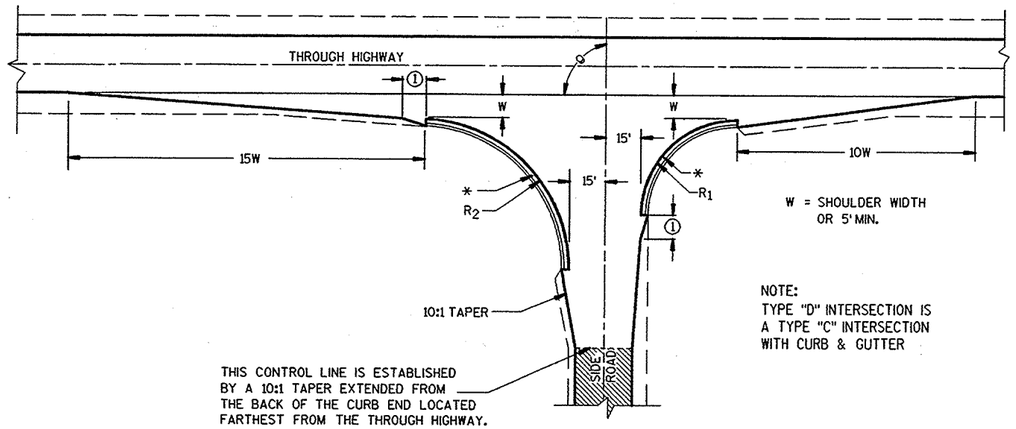
(2) 12' (TYPE B1)
12' (TYPE B2) EXCEPT ON RESURFACING PROJECTS WHERE A 10' WIDTH MAY BE USED WHEN SPECIFIED IN THE CONTRACT OR DIRECTED BY THE ENGINEER.

RADII DIMENSIONS FOR TYPES "B1", "B2", "C" AND "D" INTERSECTIONS

θ	R_1	R_2
65-70	35	70
71-80	40	70
81-90	40	60
91-100	50	55
101-110	60	45



TYPE "C"



TYPE "D"

GENERAL NOTES

DESIGNS MAY BE USED INTERCHANGEABLY IN COMBINATION OR SEPARATELY FOR ANY ONE COMPLETE INTERSECTION DEPENDING UPON INTERSECTION ANGLE AND SURFACING OF EACH APPROACH ROADWAY.

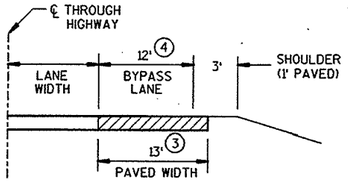
SIDE ROAD SURFACING NOTE

WHEN THE SIDE ROAD IS NOT PRESENTLY PAVED, PAVEMENT SHALL BE PLACED TO THE LIMITS SHOWN UNLESS OTHERWISE PROVIDED IN THE CONTRACT. WHERE THE CONSTRUCTION LIMITS ARE BEYOND THE PAVING LIMITS, CRUSHED AGGREGATE SURFACING SHALL BE PLACED BETWEEN THE PAVING LIMITS AND CONSTRUCTION LIMITS.

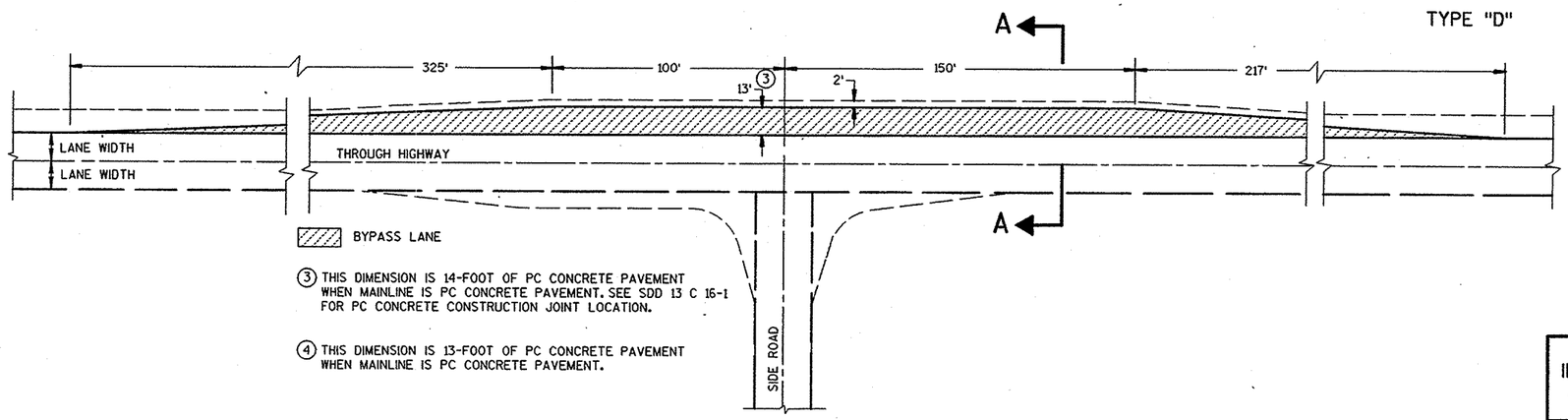
WHEN THE SIDE ROAD IS PRESENTLY PAVED, NEW PAVEMENT SHALL BE PLACED TO THE LIMITS OF DESIGN AS SHOWN AND BEYOND, IF NECESSARY, TO MEET EXISTING PAVEMENT.

WHEN THE SIDE ROAD IS THE CONSTRUCTION PROJECT, THE INTERSECTION SURFACING SHALL BE THE SAME AS FOR THE PROJECT.

▨ EXISTING SURFACE



SECTION A-A
(SHOWING BYPASS LANE AND SHOULDER)



(3) THIS DIMENSION IS 14-FOOT OF PC CONCRETE PAVEMENT WHEN MAINLINE IS PC CONCRETE PAVEMENT. SEE SDD 13 C 16-1 FOR PC CONCRETE CONSTRUCTION JOINT LOCATION.

(4) THIS DIMENSION IS 13-FOOT OF PC CONCRETE PAVEMENT WHEN MAINLINE IS PC CONCRETE PAVEMENT.

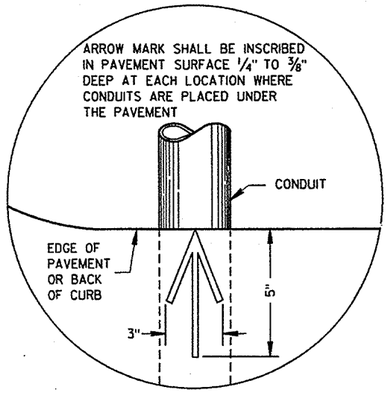
TEE INTERSECTION BYPASS LANE DETAIL

AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND "D" AND TEE INTERSECTION BYPASS LANE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

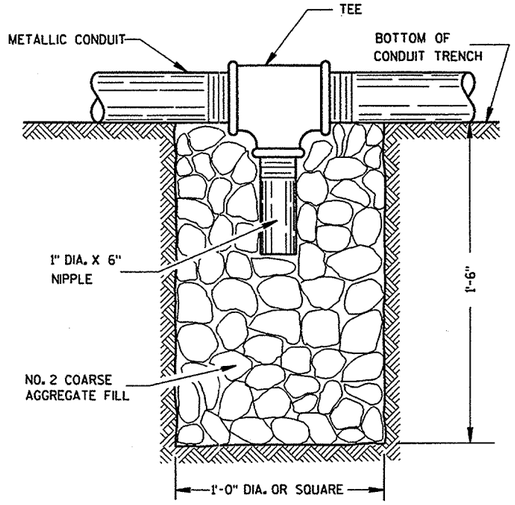
S.D.D. 9 A 1-11a

S.D.D. 9 A 1-11a



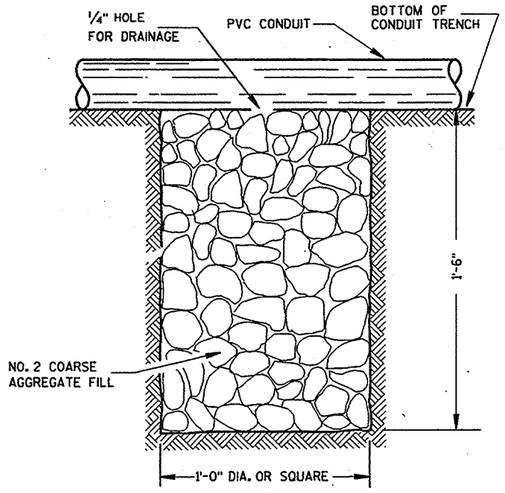
PLAN VIEW

ARROW MARK



NOTE: INSTALL AT LOCATIONS WHERE METALLIC CONDUITS CANNOT BE PITCHED TO DRAIN INTO A PULL BOX.

DRAIN SUMP FOR METALLIC CONDUIT



NOTE: INSTALL AT LOCATIONS WHERE PVC CONDUITS CANNOT BE PITCHED TO DRAIN INTO A PULL BOX.

DRAIN SUMP FOR PVC CONDUIT

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

METALLIC (STANDARD SPECIFICATION 652.2.2) OR NONMETALLIC (STANDARD SPECIFICATION 652.2.3) CONDUIT SHALL BE FURNISHED AND PLACED AS SHOWN.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

ALL METALLIC CONDUIT IN WHICH WIRE OR CABLE IS TO BE INSTALLED SHALL BE BUSHED WITH APPROVED THREADED BUSHINGS BEFORE INSTALLATION OF THE WIRE OR CABLE.

ALL METALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT TO BE INSTALLED SHALL BE CAPPED WITH THREADED PROTECTIVE CAPS, AS APPROVED BY THE ENGINEER.

ALL NONMETALLIC CONDUIT SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND SHALL REMAIN CAPPED OR PLUGGED UNTIL WIRE/CABLES ARE INSTALLED.

NONMETALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR EMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON NONMETALLIC CONDUIT. (SEE NEC 347.5)

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY U.L. LISTED ADAPTER FITTINGS SHALL BE USED.

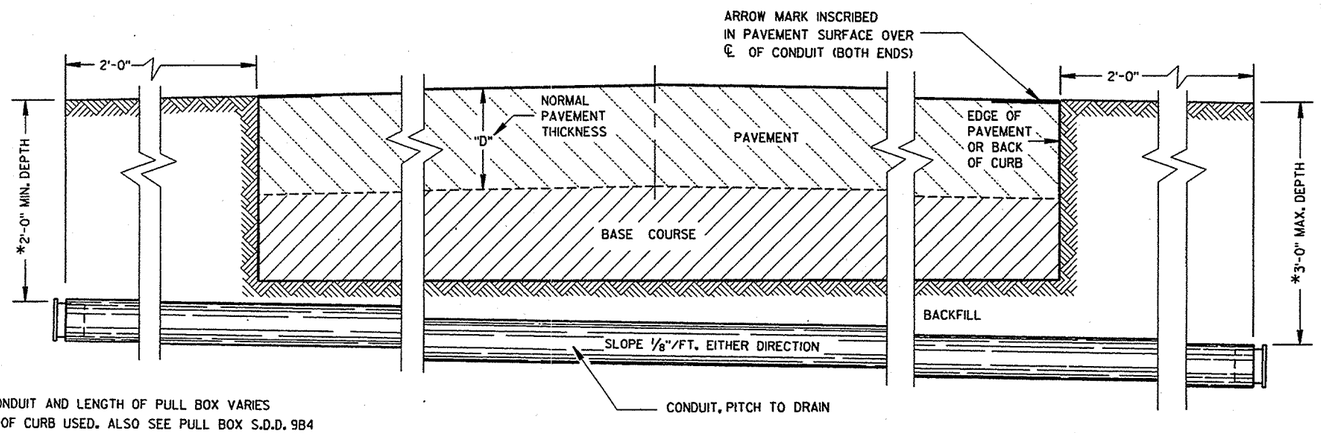
PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

ALL CONDUIT BEING FURNISHED AND INSTALLED SHALL HAVE THE U.L. LABEL FIRMLY ATTACHED.

CONDUIT RUNS SHALL BE THE SAME SIZE OF CONDUIT FROM ONE END TO THE OTHER (FROM PULL BOX TO PULL BOX-OR-JUNCTION BOX TO JUNCTION BOX-OR-BASE TO BASE, ETC.).

POLY ROPE OR A PULL WIRE SHALL BE INSTALLED AS STATED IN THE STANDARD SPECIFICATION, ITEM 652.3.1.1.

ALL CONDUIT RUNS SHALL BE STRAIGHT (WITHOUT BENDS) FROM PULL BOX TO PULL BOX, PULL BOX TO BASE AND BASE TO BASE AS SHOWN ON THE PLANS UNLESS OTHERWISE APPROVED BY THE PROJECT ENGINEER.



*DEPTH OF CONDUIT AND LENGTH OF PULL BOX VARIES WITH HEIGHT OF CURB USED. ALSO SEE PULL BOX S.D.D. 9B4

SIDE ELEVATION

DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED 10/21/96 DATE
FHWA

STATE ELECTRICAL ENGINEER FOR HIGHWAYS

S.D.D. 9 B 2-6

S.D.D. 9 B 2-6

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

DIMENSION IN INCHES		TYPE OF PIPE									
		CORRUGATED STEEL									POLYETHYLENE SDR 32.5
PIPE DIAMETER (INSIDE)	A	12	12	12	18	18	18	24	24	24	12
PIPE LENGTH **	B	24	30	36	24	30	36	36	42	48	24
WALL THICKNESS	C	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.4
COVER	D	10 1/4	10 1/4	10 1/4	16 1/4	16 1/4	16 1/4	22 1/4	22 1/4	22 1/4	10 1/4
FRAME	E	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2	26 1/2	26 1/2	26 1/2	14 1/2
FRAME	F	8 1/2	8 1/2	8 1/2	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2	8 1/2
FRAME	G	11 1/2	11 1/2	11 1/2	17 1/2	17 1/2	17 1/2	23 1/2	23 1/2	23 1/2	11 1/2
WEIGHT IN POUNDS *											
FRAME AND COVER		60	60	60	110	110	110	155	155	155	60

* THE ACTUAL WEIGHT OF THE MANHOLE FRAME AND COVER MAY VARY WITHIN 5 PERCENT PLUS OR MINUS OF THE WEIGHTS SHOWN.

** NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL TO THE PULL BOX BID PRICE.

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL FRAMES AND COVERS SHALL BE HEAVY DUTY TYPE, SUITABLE FOR VEHICULAR TRAFFIC LOADS.

POLYETHYLENE PULL BOXES SHALL NOT BE INSTALLED IN CONCRETE OR ASPHALTIC PAVEMENT. PULL BOXES LOCATED IN THE ROADWAY SHALL HAVE LOCKING COVERS.

ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

GROUNDING LUGS (MECHANICAL CONNECTORS) SHALL BE U.L. LISTED AND APPROVED FOR USE WITH COPPER WIRE. THE MECHANICAL CONNECTION (INSIDE AND OUTSIDE) TO THE PULL BOX, SHALL BE TOTALLY AND PERMANENTLY SEALED WITH A SILICONE OR RUBBERIZED CAULKING COMPOUND AS APPROVED BY THE ENGINEER.

GROUNDING LUGS ARE NOT REQUIRED IN PULL BOXES WHEN VOLTAGES OF LESS THAN 50 VOLTS AC ARE THE ONLY VOLTAGES ENCOUNTERED IN THE BOXES.

DRAIN DUCT SHALL BE MEASURED AND PAID FOR SEPARATELY.

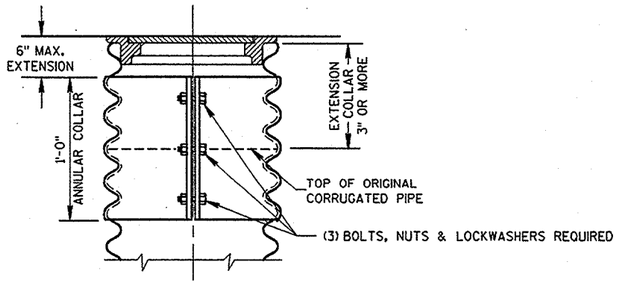
RODENT WIRE SCREEN SHALL BE 1/8" STAINLESS STEEL MESH AND BE INSTALLED WITH A STAINLESS STEEL HOSE CLAMP OF SUFFICIENT SIZE.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

S.D.D. 9B2, "CONDUIT", APPLIES TO THIS DRAWING.

WHEN PULL BOXES ARE INSTALLED FOR FUTURE USE, DO NOT INSTALL THE EQUIPMENT GROUNDING LUG. THE EQUIPMENT GROUNDING LUG, THE EQUIPMENT GROUNDING ELECTRODE AND THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE REQUIRED AND INSTALLED UNDER A FUTURE WIRING CONTRACT.

IF PULL BOX EQUIPMENT GROUNDING IS REQUIRED USING AN EQUIPMENT GROUNDING ELECTRODE IN EACH PULL BOX, THE EQUIPMENT GROUNDING ELECTRODE SHALL BE 5/8" X 8'-0", COPPERCLAD AND BE EXOTHERMICALLY WELDED TO A #4 AWG, COPPER, STRANDED WIRE (BARE OR GREEN INSULATED). THE #4 AWG WIRE SHALL BE 4 FEET IN LENGTH, NEATLY COILED, TAPED AND AVAILABLE FOR USE WHEN REQUIRED.



CORRUGATED PIPE EXTENDER

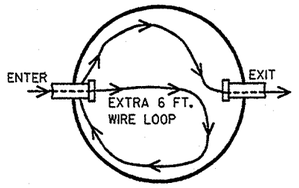
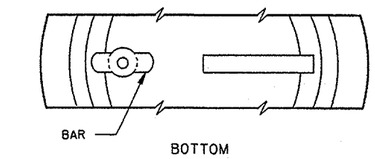
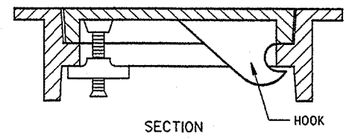


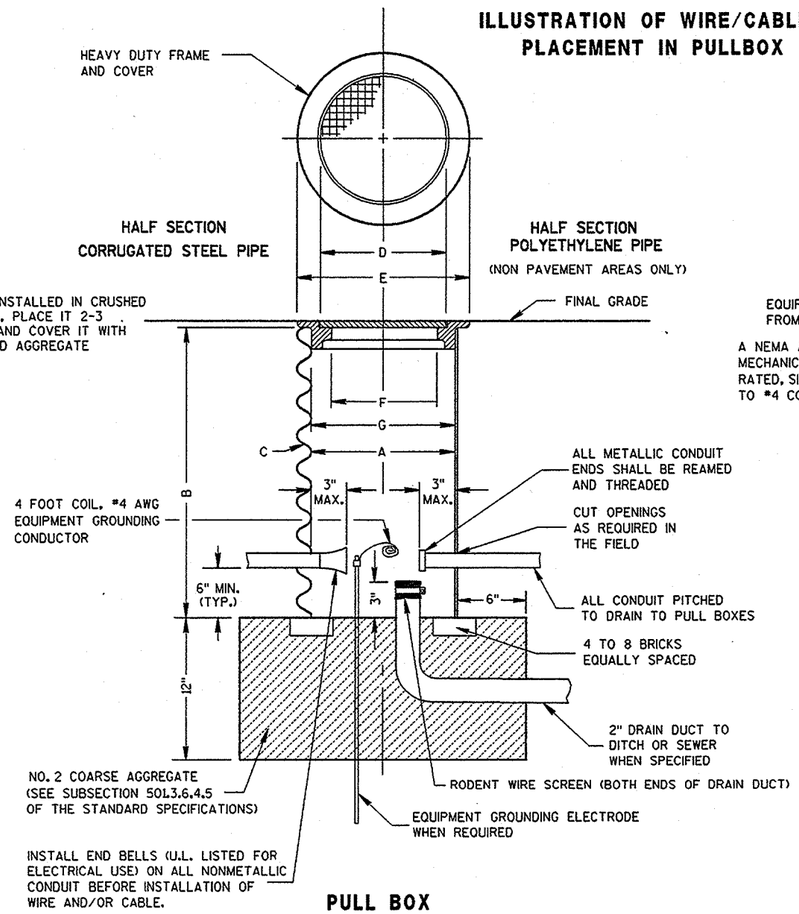
ILLUSTRATION OF WIRE/CABLE PLACEMENT IN PULLBOX



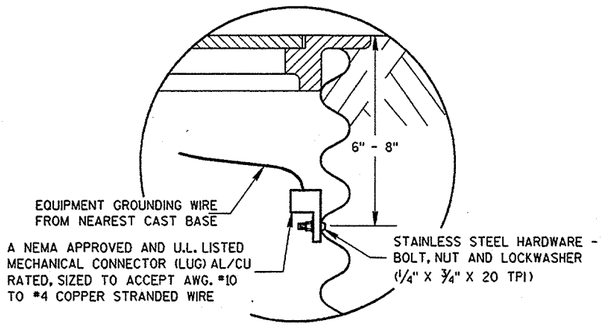


ALTERNATE COVER (LOCKING)

TIGHTENING BAR TYPE



PULL BOX



EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES

PULL BOX

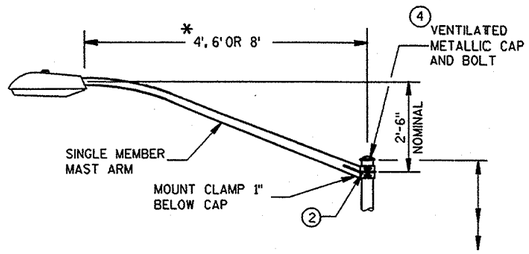
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

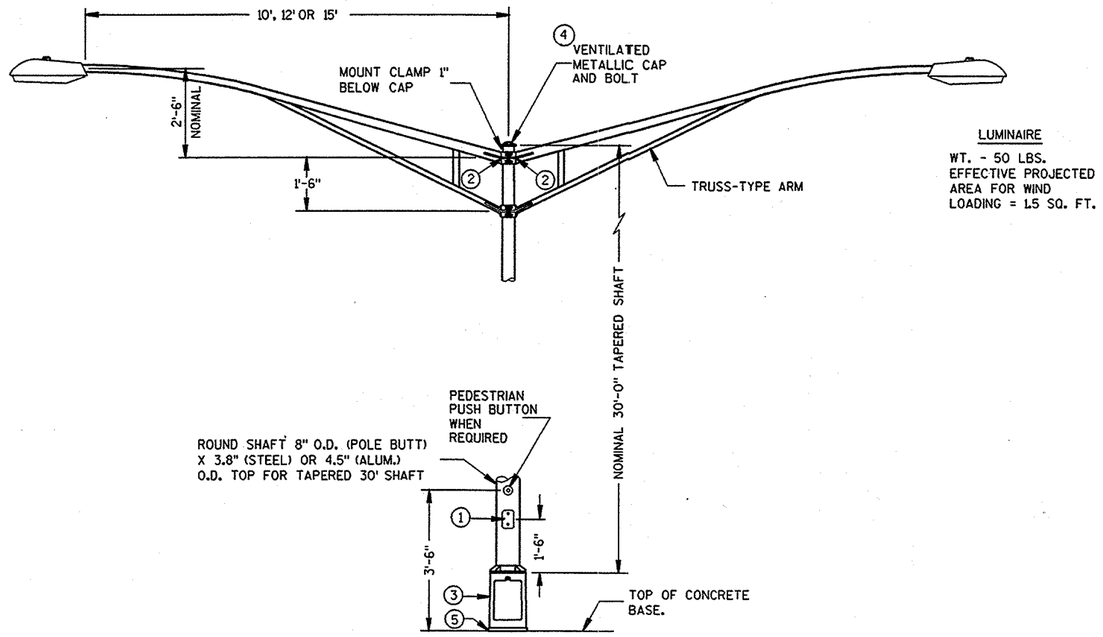
APPROVED 9/10/99
DATE
STATE ELECTRICAL ENGINEER FOR HIGHWAYS
FHWA

S.D.D. 9 B 4-4

S.D.D. 9 B 4-4

*RISE FOR 4' ARM SHALL BE 2'-0".

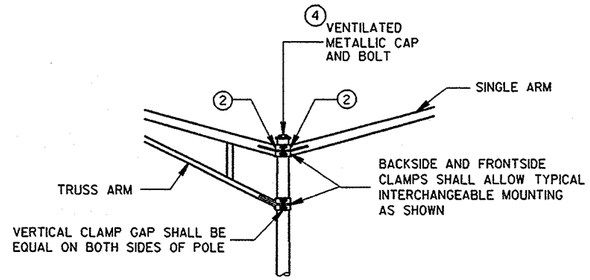




LUMINAIRE

WT. - 50 LBS.
EFFECTIVE PROJECTED AREA FOR WIND LOADING = 1.5 SQ. FT.

TYPE 5 POLE MOUNTING CONFIGURATION
(MAXIMUM LOAD)
LIGHTING ONLY



INTERCHANGEABLE MOUNTING DETAIL

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL TYPE 5 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL OR ALUMINUM, AS CALLED FOR IN THE CONTRACT.

TYPE 5 ALUMINUM POLES SHALL BE CONSTRUCTED OF 6063-T6 ALUMINUM ALLOY. SLEEVING INSIDE THE POLE IS NOT ACCEPTABLE.

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2⅜ INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

WHEN TRANSFORMER BASES ARE USED, WIRE CONEECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(L) 4" x 6" REINFORCED HANDHOLE & COVER ASSEMBLY WITH 2 (TWO) ¼" X ¾" - 20 TPI HEX HEAD STAINLESS STEEL BOLTS.

(2.) GROMMETS, 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1⅜" HOLE IN POLE SHAFT FOR WIRING.

(3.) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.

(4.) FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

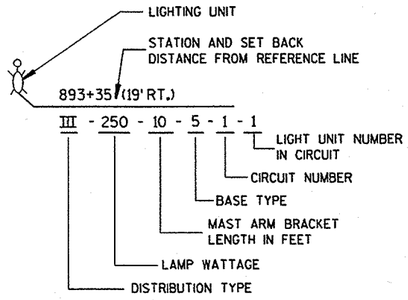
(5.) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND THE TRANSFORMER BASE.

POLE MOUNTINGS FOR
LIGHTING UNITS, TYPE 5
(30 FEET)

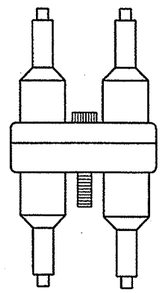
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

S.D.D. 9 E 1-4d

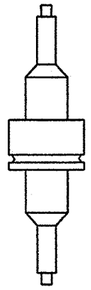
S.D.D. 9 E 1-4d



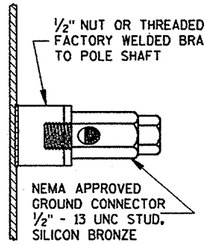
LIGHTING UNIT CODE
(TYPICAL)

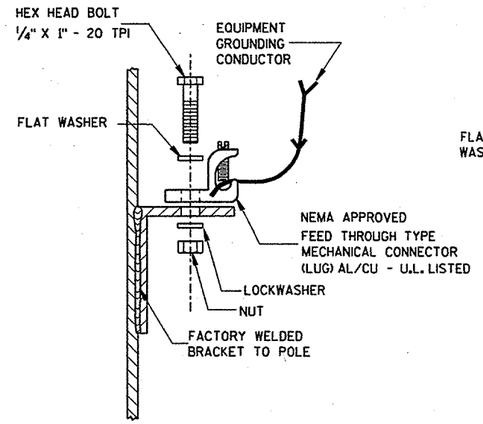


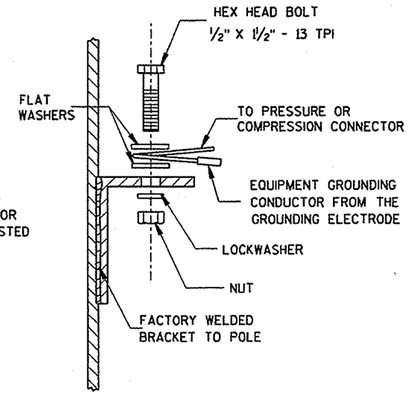
DETAIL "A"
DOUBLE POLE



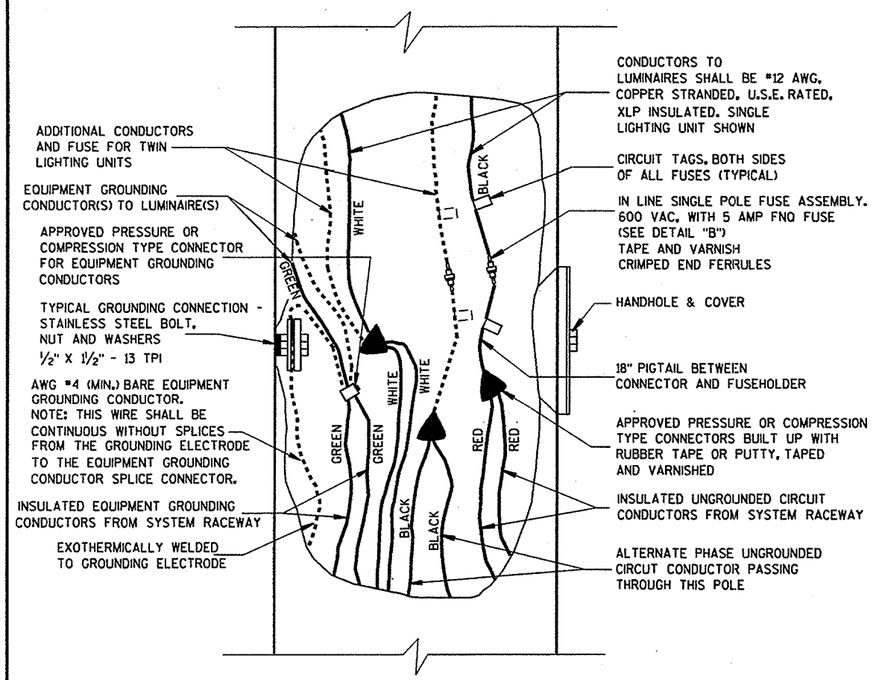
DETAIL "B"
SINGLE POLE



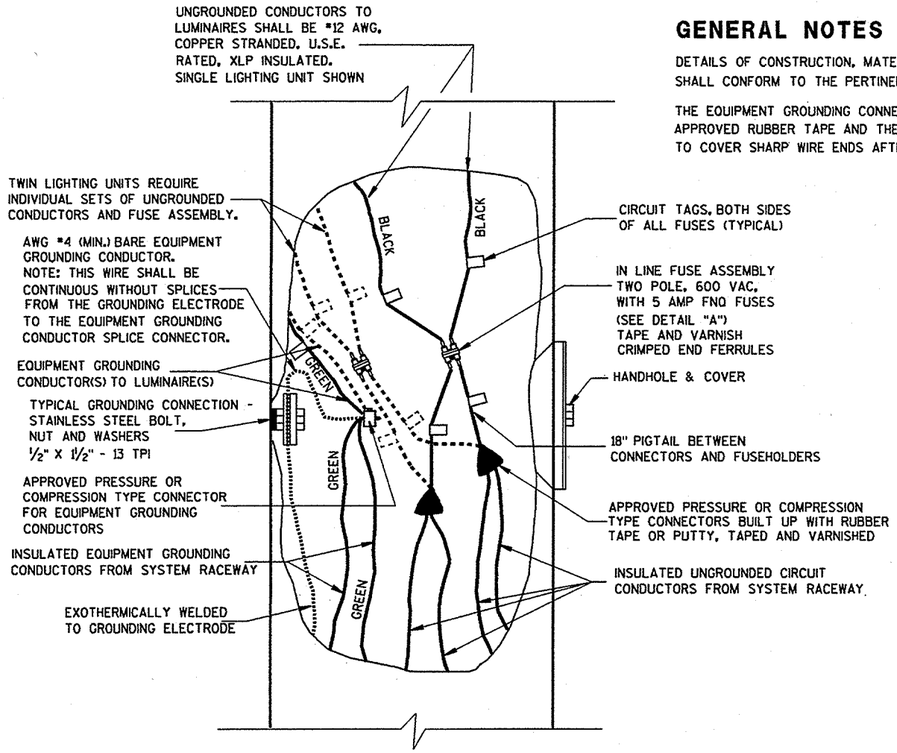




TYPICAL GROUNDING CONNECTIONS
NUT, BOLT, WASHERS AND LOCKWASHERS SHALL BE STAINLESS STEEL



3 WIRE - 120, 240 OR 480 VAC (UNGROUNDED CONDUCTOR)
WITH GROUNDED CONDUCTOR AND
WITH EQUIPMENT GROUNDING CONDUCTOR



2 WIRE - 240 OR 480 VAC (UNGROUNDED CONDUCTORS)
WITH EQUIPMENT GROUNDING CONDUCTOR

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EQUIPMENT GROUNDING CONNECTOR SHALL BE TAPED WITH 3 WRAPS (MINIMUM) OF APPROVED RUBBER TAPE AND THEN 3 WRAPS (MINIMUM) OF APPROVED VINYL TAPE TO COVER SHARP WIRE ENDS AFTER THE CONNECTION IS COMPLETED.

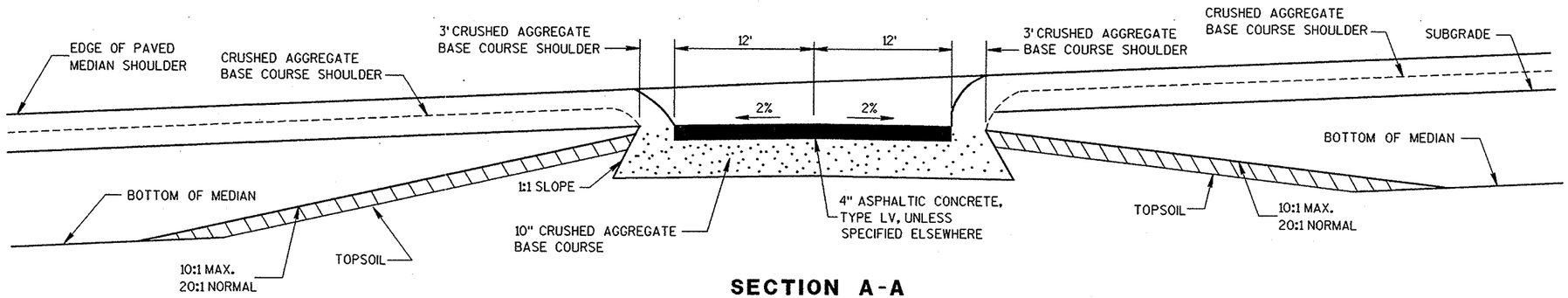
NON-FREEWAY LIGHTING UNIT POLE WIRING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

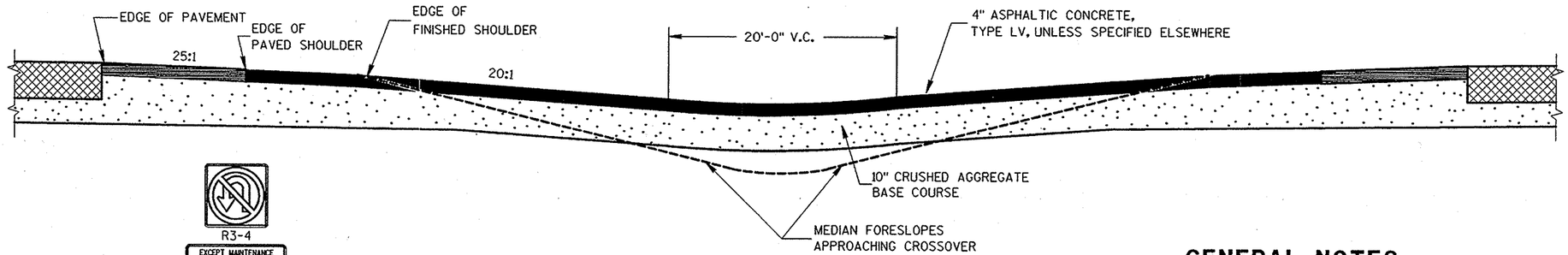
APPROVED
10/21/96
DATE
STATE ELECTRICAL ENGINEER FOR HIGHWAYS
FHWA

S.D.D. 9 E 3-2

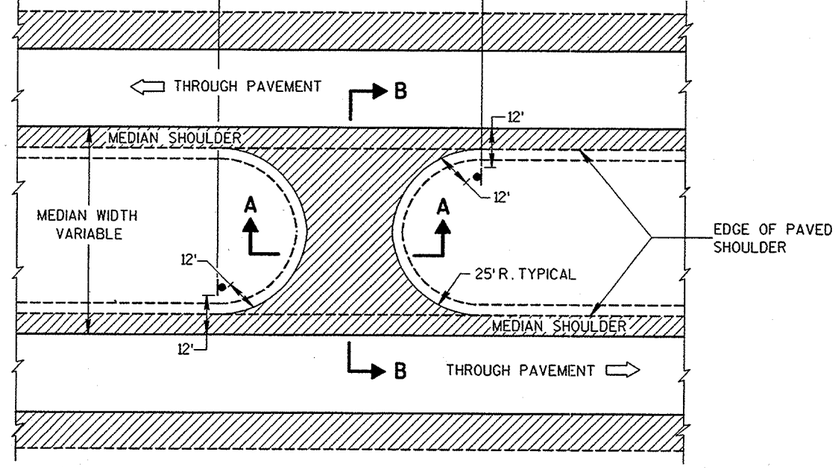
S.D.D. 9 E 3-2



SECTION A-A



SECTION B-B



PLAN VIEW

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

INSTALL SIGNS R3-4 AND R3-4A IN LOCATION SHOWN.

SIGNING DETAILS AND SPECIFICATIONS ARE PROVIDED ELSEWHERE IN THE CONTRACT.

MAINTENANCE CROSSOVER FOR FREEWAYS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

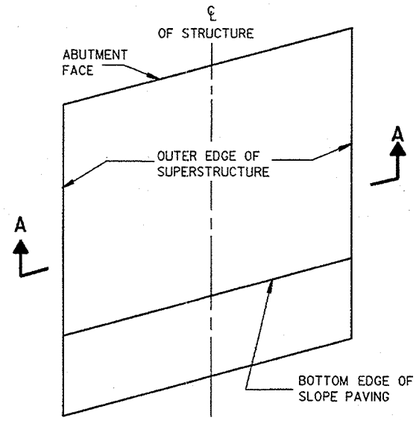
APPROVED
01/06/98
DATE

Roy D. Thuesen
CHIEF ROADWAY DESIGN ENGINEER

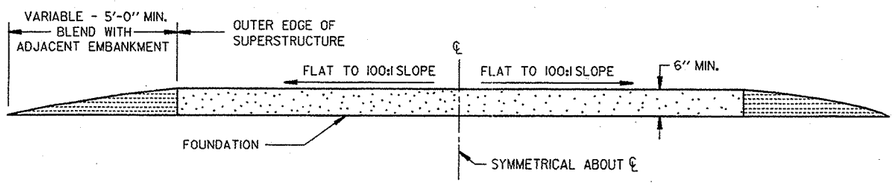
FHWA

S.D.D. 11A 1-3

S.D.D. 11 A 1-3



PLAN VIEW



SECTION A-A

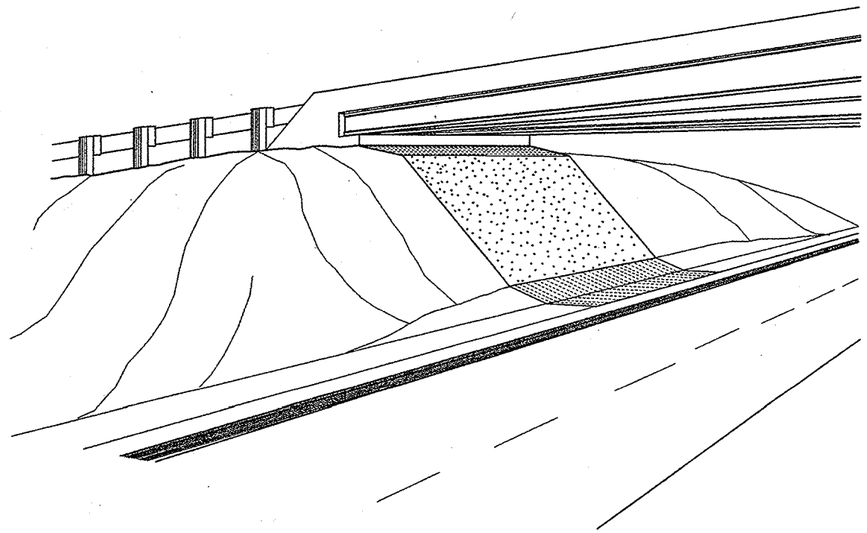
GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

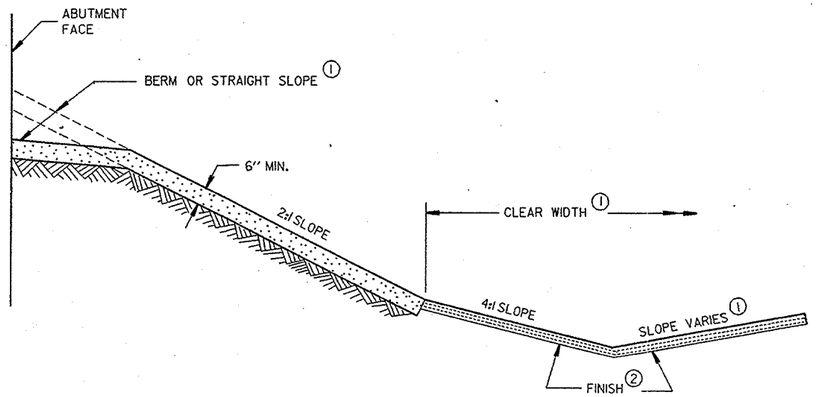
WOOD FORMS MAY BE LEFT IN PLACE WHEN OF A QUALITY ACCEPTABLE TO THE ENGINEER.

(1) DIMENSIONS, SLOPES AND SLOPE LIMITS ARE DETAILED ON THE STRUCTURE PLANS.

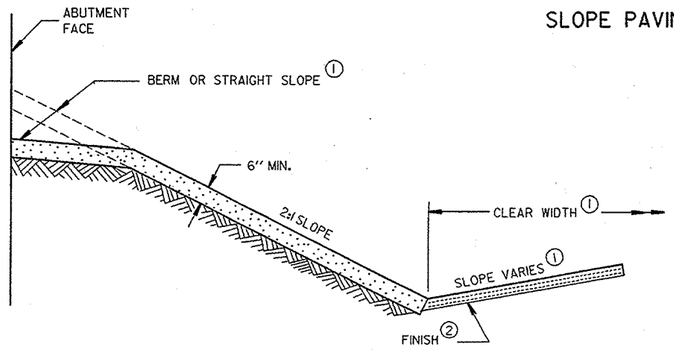
(2) MATCH EXISTING FINISH OR FINISH AS SHOWN ELSEWHERE IN THE CONTRACT.



SLOPE PAVING UNDER STRUCTURES



STANDARD CROSS SECTION



ALTERNATE CROSS SECTION

SLOPE PAVING - STRUCTURES (CRUSHED AGGREGATE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

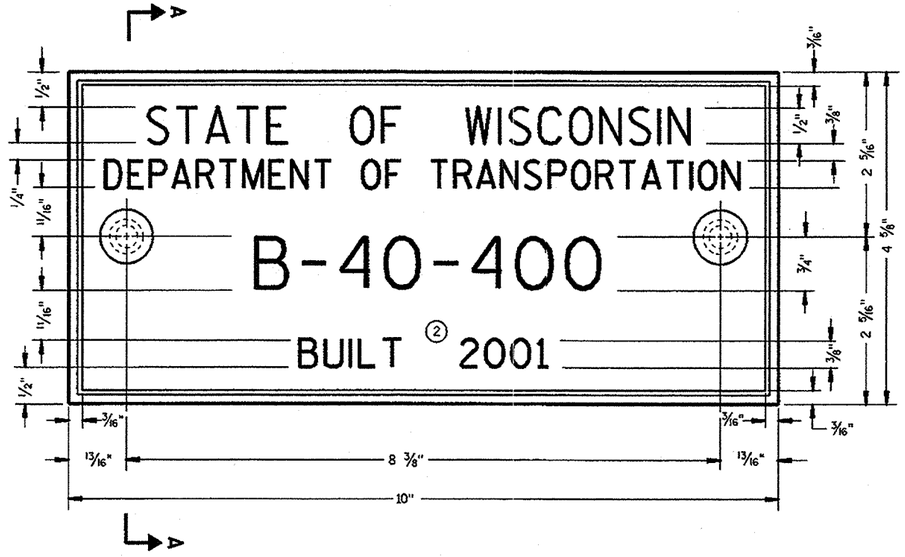
APPROVED 9-21-84 DATE

CHIEF DESIGN ENGINEER

FHWA

S.D.D. 12 A 2-3

S.D.D. 12 A 2-3



TYPICAL NAME PLATE
(BRIDGES, CULVERTS, AND RETAINING WALLS)

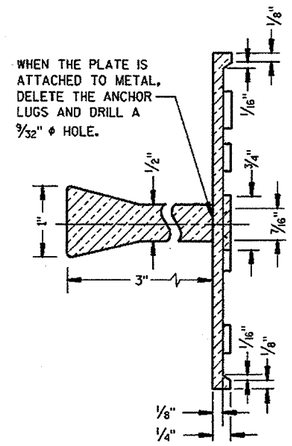
GENERAL NOTES

NAME PLATES TO BE INSTALLED ON BRIDGES, CULVERTS, AND RETAINING WALLS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 506.2.4 OF THE STANDARD SPECIFICATIONS.

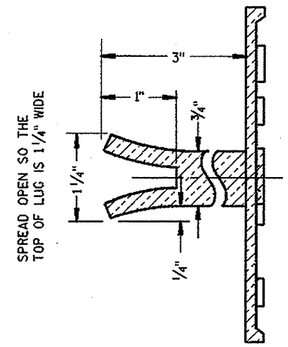
THE BRIDGE NUMBER AND YEAR BUILT SHOWN ON THIS DRAWING ARE EXAMPLES ONLY. SEE CONSTRUCTION PLANS FOR INDIVIDUAL NUMBERING AND YEAR BUILT.

① EPOXY RESIN SHALL BE FROM AN APPROVED MANUFACTURER AND USED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

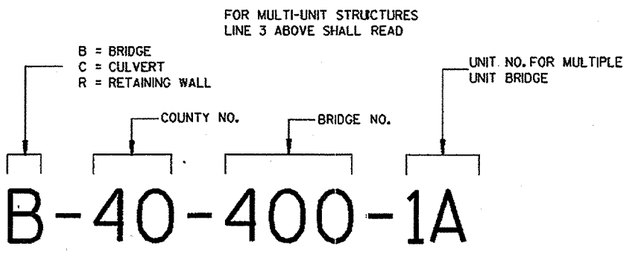
② REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE CONSTRUCTION.



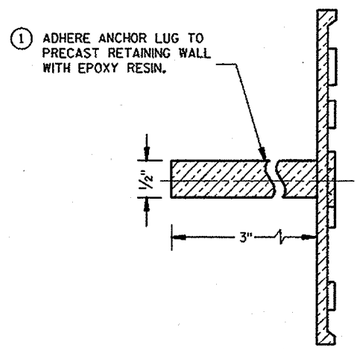
SECTION A-A



ALTERNATE LUG



NUMBERING DESIGNATION
MULTI-UNIT STRUCTURES



ALTERNATE LUG
(FOR ATTACHMENT TO PRECAST STRUCTURES)

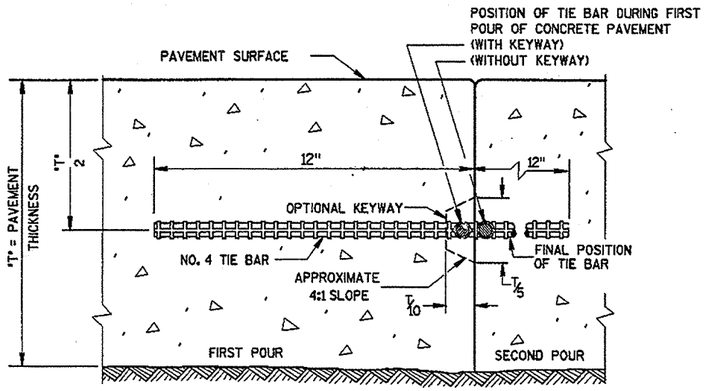
NAME PLATE
(STRUCTURES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

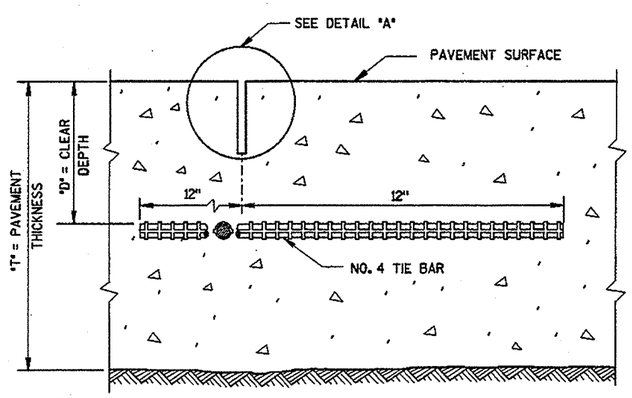
APPROVED
11/29/00 DATE
S. W. Woods CHIEF STRUCTURAL DEVELOPMENT ENGINEER
FHWA

S.D.D. 12 A 3-7

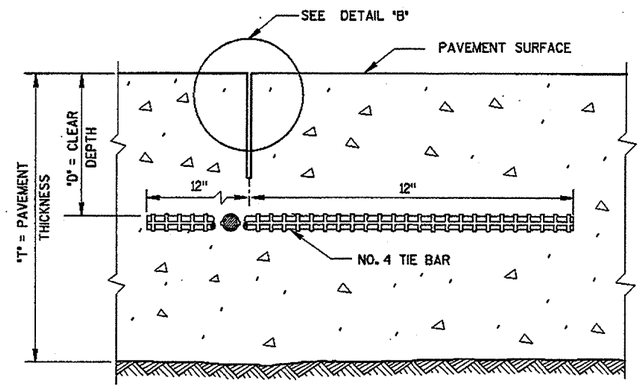
S.D.D. 12 A 3-7



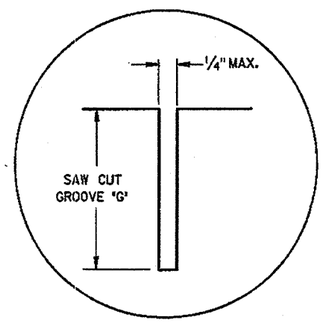
CONSTRUCTION JOINT



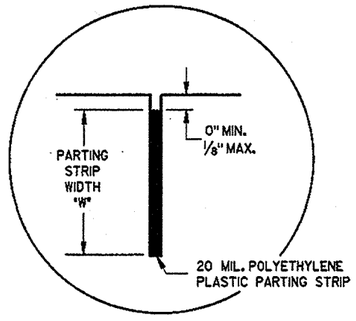
SAWED JOINT



RIBBON JOINT



DETAIL "A"



DETAIL "B"

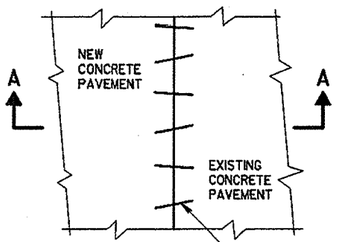
GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

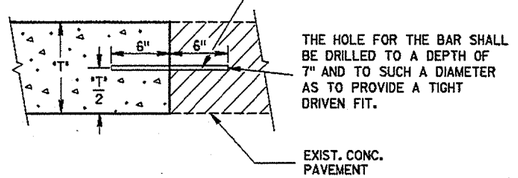
DETAILS "A" AND "B" ARE EQUAL ALTERNATES UNLESS OTHERWISE SPECIFIED IN THE CONTRACT.

LONGITUDINAL JOINTS SHALL NOT BE SEALED OR FILLED.

TIE BAR SPACINGS ARE VALID ONLY FOR PAVEMENT WIDTHS IN THE TABLE. FOR WIDER PAVEMENTS, TIED CONCRETE SHOULDERS OR RAMPS, THE TIE BAR SPACING SHALL BE AS SHOWN ON THE PLANS.



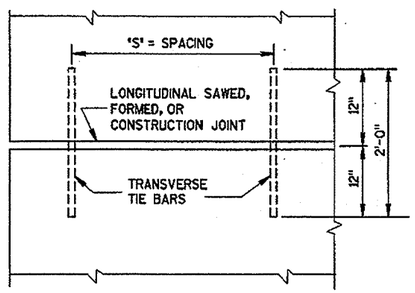
PLAN VIEW



SECTION A-A

PAVEMENT TIES

PAVEMENT THICKNESS "T"	CLEAR DEPTH "D"	SAW CUT GROOVE "G"	MAXIMUM TIE BAR SPACING "S" PAVEMENT WIDTH 24' OR 26'	MAXIMUM TIE BAR SPACING "S" PAVEMENT WIDTH 30'	PARTING STRIP WIDTH "W"
6, 6 ½"	3"±½"	2"	48"	42"	2"
7, 7 ½"	3 ¼"±1"	2 ¼"	45"	36"	2 ¼"
8, 8 ½"	3 ¾"±1"	2 ½"	39"	30"	2 ½"
9, 9 ½"	4 ¼"±1"	3"	33"	27"	3"
10, 10 ½"	4 ¾"±1"	3 ¼"	30"	24"	3 ¼"
11, 11 ½"	5 ¼"±1"	3 ¾"	27"	21"	3 ¾"
12"	5 ¾"±1"	4	24"	21"	4"



PLAN VIEW
SHOWING LOCATION OF TIE BARS

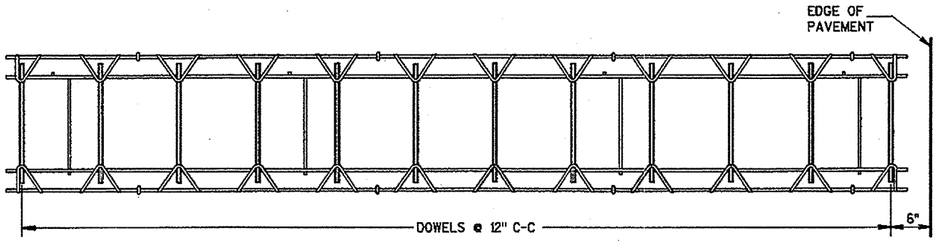
CONCRETE PAVEMENT
LONGITUDINAL JOINTS
AND PAVEMENT TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

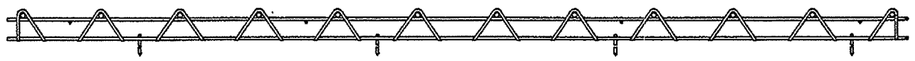
APPROVED
9-24-98
DATE
CHIEF PAVEMENTS & RESEARCH ENGINEER
FHWA

S.D.D. 13 C 1-10

S.D.D. 13 C 1-10

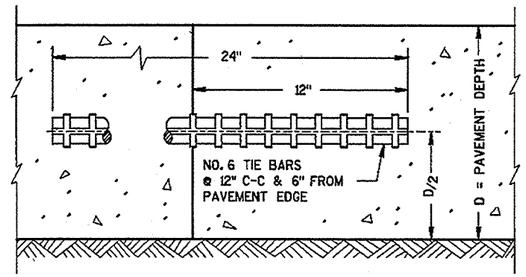


PLAN VIEW



SIDE VIEW

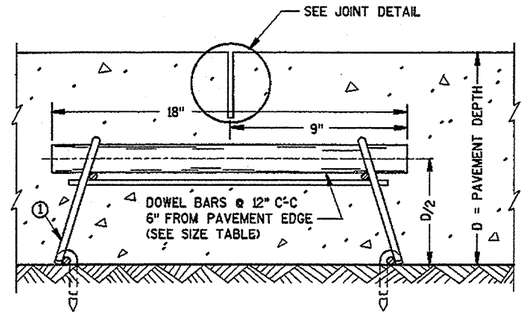
CONTRACTION JOINT DOWEL ASSEMBLY ①



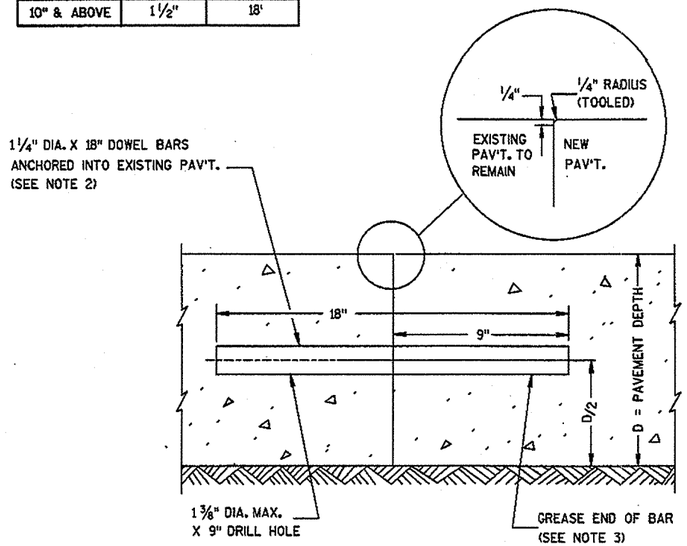
CONSTRUCTION JOINT

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
6",6 ½"	1¼"	12'
7",7 ½"	1¼"	14'
8",8 ½"	1¼"	15'
9",9 ½"	1¼"	15'
10" & ABOVE	1½"	18'

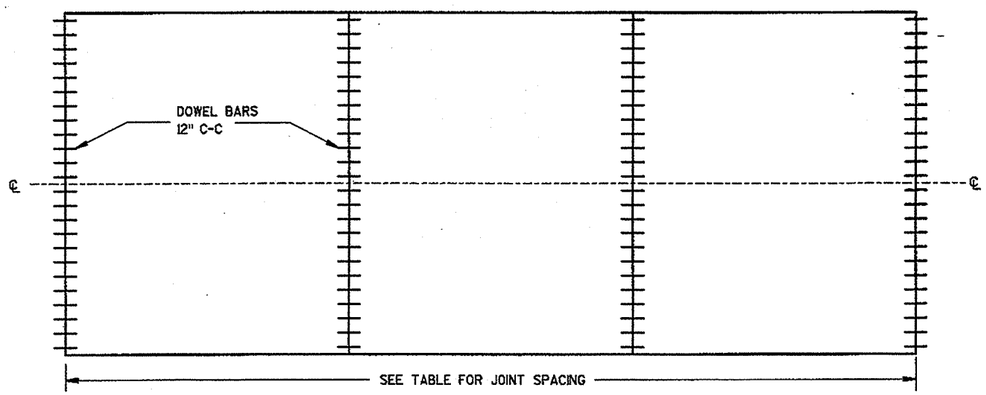


DOWELED CONTRACTION JOINT



TRANSVERSE CONTRACTION JOINTS ABUTTING EXISTING PAVEMENT

④ DOWEL BAR DETAIL



CONTRACTION JOINT LOCATIONS

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

CONTRACTION JOINTS

UNLESS OTHERWISE SPECIFIED, CONTRACTION JOINTS SHALL BE NORMAL TO THE CENTERLINE. THE LOCATION OF CONTRACTION JOINTS THRU INTERSECTIONS SHALL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

CONTRACTION JOINTS SHALL NOT BE SEALED OR FILLED.

DOWEL BARS SHALL BE INSTALLED PARALLEL TO THE PAVEMENT CENTERLINE AND SURFACE.

CONSTRUCTION JOINTS

CONSTRUCTION JOINTS SHALL BE A MINIMUM OF 4 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGNED EITHER PARALLEL TO CONTRACTION JOINTS OR AT 90° TO THE CENTERLINE.

TIE BARS MAY BE INSERTED THROUGH THE HEADER BOARD AFTER THE CONCRETE HAS BEEN POURED.

① ALTERNATIVE DESIGNS OF THE DOWEL ASSEMBLY MAY BE USED WHEN APPROVED BY THE ENGINEER. MECHANICAL DOWEL BAR IMPLANTERS MAY BE USED INSTEAD OF DOWEL ASSEMBLIES.

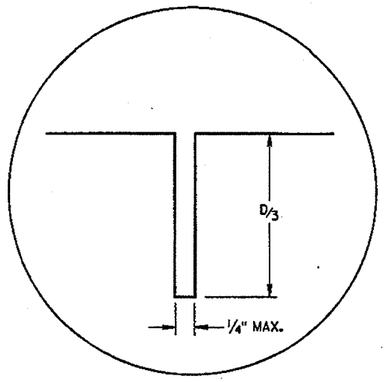
② DOWEL BARS SHALL BE ANCHORED INTO DRILL HOLES WITH AN APPROVED EPOXY GROUT.

③ THE FREE END OF DOWEL BARS SHALL RECEIVE A THIN UNIFORM COATING OF BOND BREAKING GREASE.

④ DOWEL BARS INSTALLED BY DRILLING SHALL BE SPACED 1'-3" ON CENTER. THE GROUPING OF DOWEL BARS SHALL BE CENTERED INSIDE THE SLAB BASED ON ALL THE FOLLOWING SITUATIONS:

BETWEEN THE EDGES OF PAVEMENTS WITHOUT LONGITUDINAL JOINTS OR BETWEEN THE EDGE OF PAVEMENT AND NEAREST LONGITUDINAL JOINT OR BETWEEN TWO ADJACENT LONGITUDINAL JOINTS.

THE CLEAR DISTANCE FROM THE EDGE OF PAVEMENT OR LONGITUDINAL JOINT TO THE NEAR EDGE OF DOWEL BAR NEAREST THAT EDGE OR JOINT SHALL BE A MINIMUM OF 6 INCHES AND A MAXIMUM OF 14 INCHES.



JOINT DETAIL

URBAN DOWELED CONCRETE PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
9-24-98
DATE
CHIEF PAVEMENTS & RESEARCH ENGINEER
FHWA

S.D.D. 13 C 13-3

S.D.D. 13 C 13-3

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, AND THE APPLICABLE SPECIAL PROVISIONS.

(1) W6 X 9 OR W6 X 8.5 STEEL POSTS AND NOTCHED PLASTIC BLOCKOUTS ARE ACCEPTABLE ALTERNATIVES FOR 6" X 8" WOOD POSTS WITH WOOD OR PLASTIC BLOCKOUTS. USE APPROVED NOTCHED PLASTIC BLOCKOUTS WITH STEEL POSTS.

DO NOT MIX STEEL POSTS AND WOOD POSTS IN A SINGLE INSTALLATION.

(2) USE STRUCTURAL STEEL POSTS CONFORMING TO AASHTO M183. GALVANIZE ACCORDING TO AASHTO M 111. EITHER SET THE POSTS IN DRILLED HOLES OR DRIVE TO GRADE. REMOVE MUSHROOMING CAUSED BY DRIVING AND REPAIR DAMAGED SPELTER COATING ON GALVANIZED POSTS.

(3) INSTALL STEEL POSTS WITH HOLES ON APPROACHING TRAFFIC SIDE.

(4) USE EITHER WOOD OR APPROVED PLASTIC BLOCKOUTS ON WOOD POSTS.

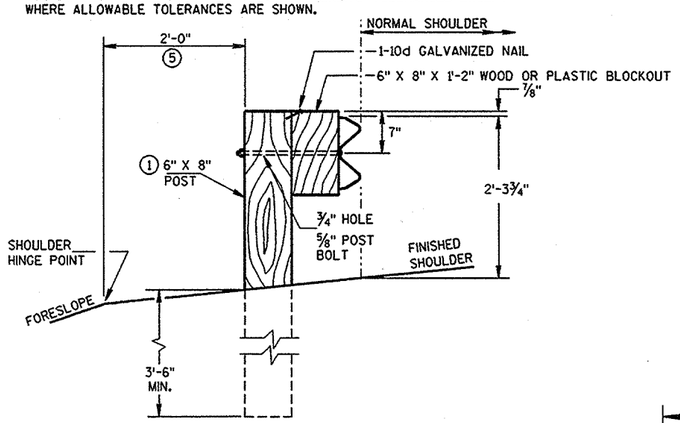
(5) WHEN SPECIFIED IN THE PLANS, THE 2-FOOT MINIMUM TO HINGE POINT MAY BE REDUCED OR ELIMINATED IF EXISTING CONDITIONS DO NOT PERMIT THE DESIRABLE EARTHWORK.

INCREASE POST LENGTH TO PROVIDE A MINIMUM EMBEDMENT OF 3'-6" IF THE SHOULDER HINGE POINT IS LOCATED IN FRONT OF THE POST.

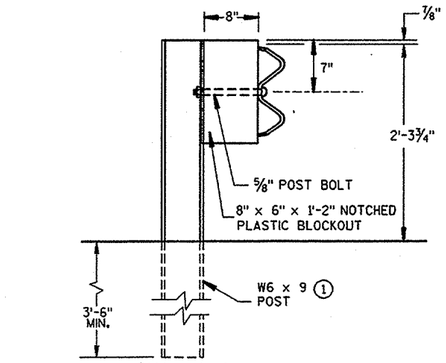
(6) IF ROCK IS ENCOUNTERED DURING EXCAVATION, THE ENGINEER MAY APPROVE USING A 12 INCH DIAMETER POST HOLE EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE APPROXIMATELY 2½ INCHES DEEP. CUT THE POSTS TO LENGTH AND PLACE IN YHE HOLE. BACKFILL WITH MATERIAL EXCAVATED FROM THE HOLE AND COMPACT ADEQUATEY.

INSTALL BEAM GUARD SECTIONS AND ALL NECESSARY HARDWARE ACCORDING TO THE APPLICABLE PLAN AND CURRENT STANDARD AND SUPPLEMENTAL SPECIFICATIONS.

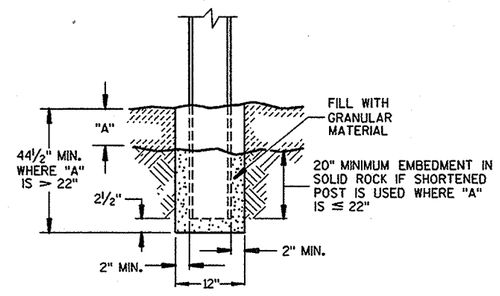
ALL DIMENSIONS ARE SUBJECT TO MANUFACTURER'S TOLERANCES EXCEPT WHERE ALLOWABLE TOLERANCES ARE SHOWN.



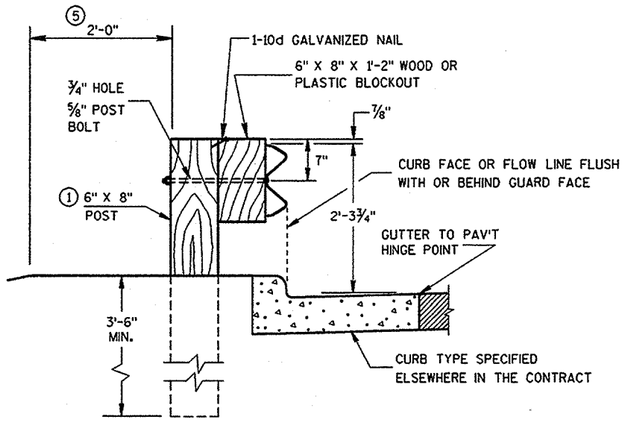
END VIEW
LOCATED ALONG A ROADWAY SHOULDER



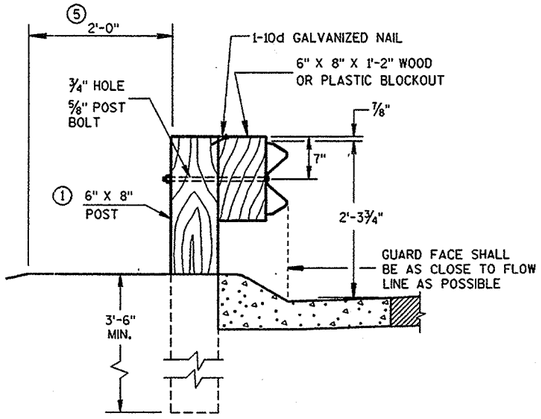
END VIEW
STEEL POST & NOTCHED
PLASTIC BLOCKOUT ALTERNATIVE



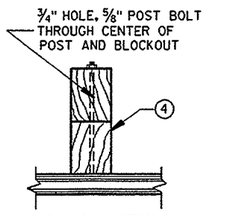
END VIEW
SETTING STEEL OR WOOD POST IN ROCK (6)



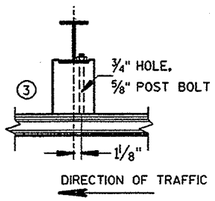
END VIEW
LOCATED ALONG A CURBED ROADWAY



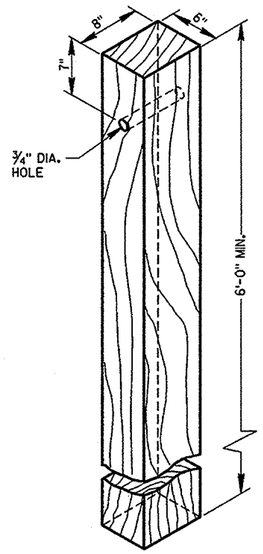
END VIEW
LOCATED ALONG A
MOUNTABLE CURBED ROADWAY



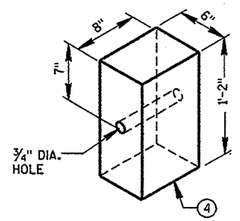
PLAN VIEW
WOOD POST,
BLOCKOUT & BEAM



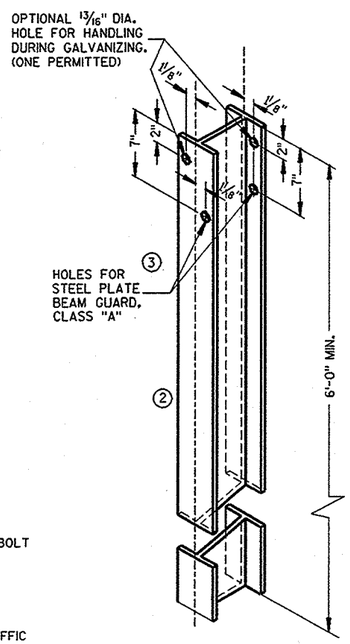
PLAN VIEW
STEEL POST, NOTCHED
PLASTIC BLOCKOUT & BEAM



WOOD POST
(6"X8") NOMINAL

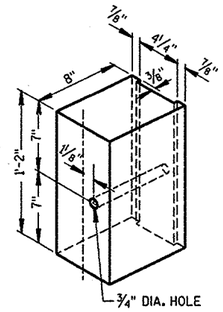


WOOD OR PLASTIC
BLOCKOUT FOR WOOD POSTS



STEEL POST &
HOLE PUNCHING DETAIL
(W6 X 9) (1)

ALL HOLES 13/16" DIAMETER EXCEPT AS NOTED



NOTCHED PLASTIC BLOCKOUT
FOR STEEL POSTS

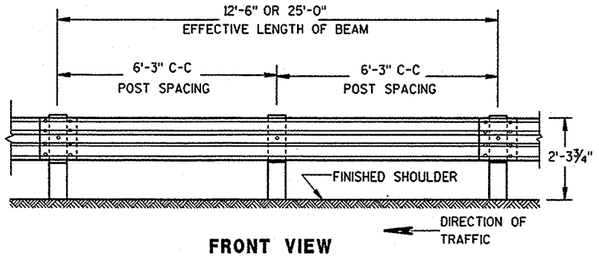
TYPICAL INSTALLATION OF STEEL PLATE BEAM GUARD

STEEL PLATE BEAM GUARD,
CLASS 'A'
INSTALLATION & ELEMENTS

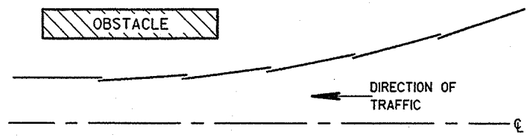
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

S.D.D. 14 B 15-4a

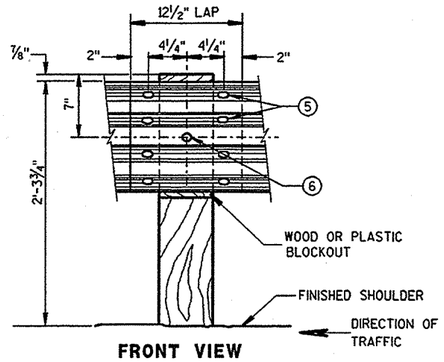
S.D.D. 14 B 15-4a



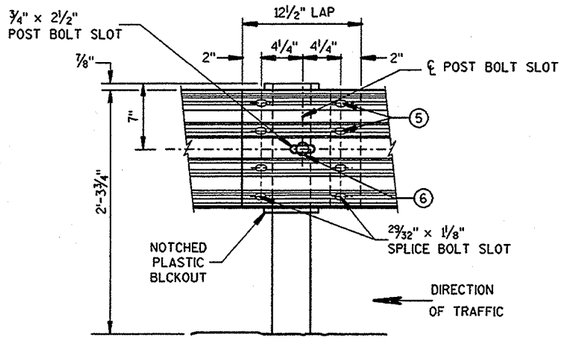
FRONT VIEW



PLAN VIEW
BEAM LAPPING DETAIL



FRONT VIEW
BEAM SPLICE AT WOOD POST
AND POST MOUNTING DETAIL



FRONT VIEW
BEAM SPLICE AT STEEL POST

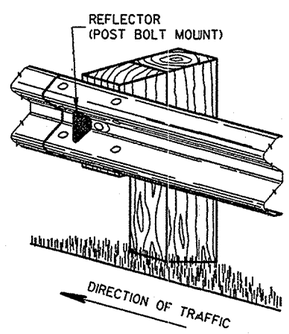
TYPICAL SPLICING DETAILS OF STEEL PLATE BEAM GUARD

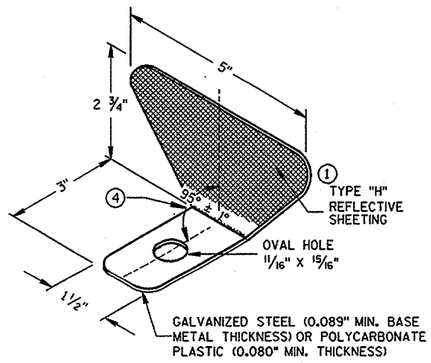
GENERAL NOTES

1. PROVIDE TYPE "H" SILVER REFLECTIVE SHEETING ON ALL REFLECTORS EXCEPT THOSE LOCATED ALONG THE LEFT EDGE OF ONE-WAY ROADWAYS, WHICH SHALL BE PROVIDED WITH TYPE "H" YELLOW REFLECTIVE SHEETING.
2. DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.
3. REVERSE EVERY OTHER REFLECTOR FOR 2-WAY VISIBILITY. THE CONTRACTOR MAY FURNISH TWO-SIDED REFLECTORS IN LIEU OF ONE-SIDED REFLECTORS.
4. PROVIDE AN ANGLE OF BEND OF 90° ± 1° FOR TWO-SIDED REFLECTORS.
5. 8 -⅝" ϕ X 1¼" BUTTON HEAD BOLTS WITH OVAL SHOULDERS & RECESS NUTS.
6. ⅝" ϕ X 1'-6" BUTTON HEAD BOLT AND AND RECESS NUT WITH ROUND WASHER UNDER NUT.

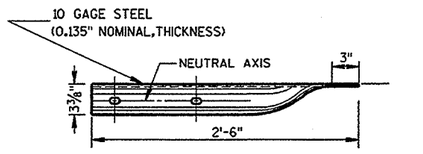
REFLECTOR SPACING ②

	BEAM GUARD LENGTH	REFLECTOR SPACING	NO. SURFACES REFLECTORIZED	MIN. NO. REFLECTORS
ONE WAY TRAFFIC	< 200'	50' C-C	1	3
	> 200'	100' C-C	1	
TWO WAY TRAFFIC	< 200'	25' C-C	1 ③	6
	> 200'	50' C-C	1	
TWO WAY TRAFFIC	< 200'	50' C-C	2 ④	3
	> 200'	100' C-C	2	

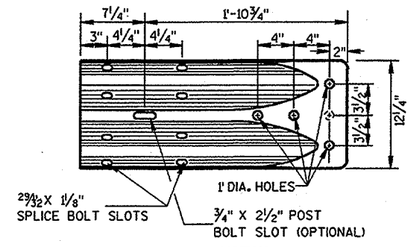




ONE SIDED REFLECTOR DETAIL AND TYPICAL INSTALLATION ①



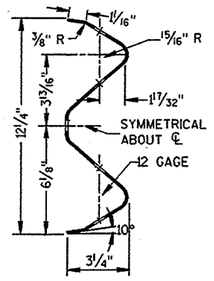
PLAN VIEW



FRONT VIEW

W BEAM TERMINAL CONNECTOR

(USE ONLY ON THE TRAFFIC EXIT END OF ONE WAY BRIDGES)



SECTION THRU W BEAM

STEEL PLATE BEAM GUARD,
CLASS "A",
INSTALLATION & ELEMENTS

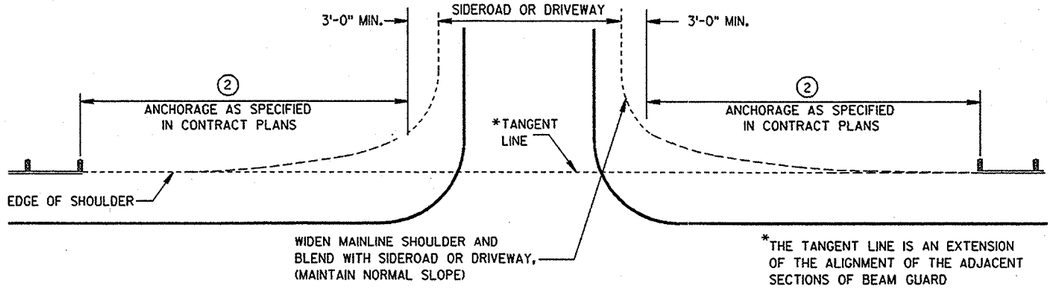
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
12/08/00 DATE
John Haverberg CHIEF ROADWAY DEVELOPMENT ENGINEER

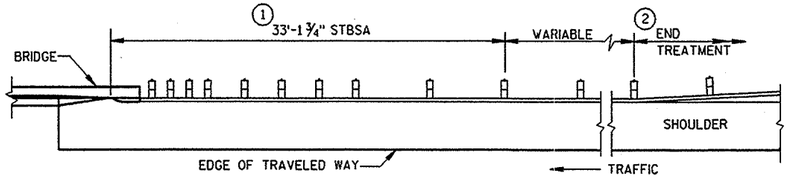
FHWA

S.D.D. 14 B 15-4b

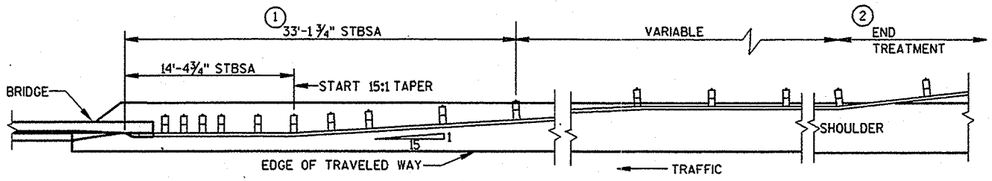
S.D.D. 14 B 15-4b



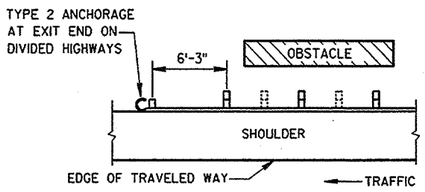
BEAM GUARD AT SIDEROADS OR DRIVEWAYS



BEAM GUARD AT FULL WIDTH BRIDGES



BEAM GUARD AT NARROW BRIDGES
(FLARED TO SHOULDER EDGE, THEN PARALLEL TO ROADWAY)



BEAM GUARD AT OBSTACLES EXIT END - ONE WAY TRAFFIC

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

W6 X 9 OR W6 X 8.5 STEEL POSTS WITH NOTCHED PLASTIC BLOCKOUTS ARE ACCEPTABLE ALTERNATIVES FOR 6" X 8" WOOD POSTS WITH WOOD OR PLASTIC BLOCKOUTS. USE APPROVED NOTCHED PLASTIC BLOCKOUTS WITH STEEL POSTS.

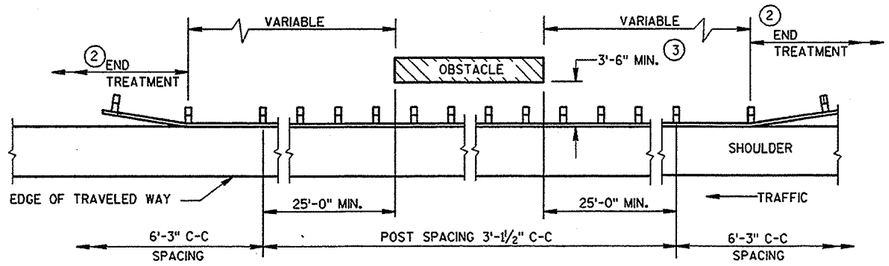
THE LOCATIONS AND LENGTHS OF BEAM GUARD ARE SHOWN ELSEWHERE IN THE PLAN.

(1) USE STEEL THRIE BEAM STRUCTURAL APPROACH (STBSA).

(2) USE AN APPROVED END TREATMENT FOR THE TRAFFIC APPROACH SIDE OF BRIDGE/OBSTACLES. USE TYPE 2 ANCHORAGE ONLY AT THE DOWNSTREAM ENDS OF BEAM GUARD LOCATED ALONG ROADWAYS WITH ONE WAY TRAFFIC.

(3) DESIGN DEFLECTION OF W-BEAM BARRIER SYSYTEM

LATERAL DISTANCE TO FIXED OBJECT	POST SPACING
3'-6" TO 4'-6"	3' - 1½"
4'-6" AND OVER	6' - 3"



BEAM GUARD AT OSBSTACLES - TWO WAY TRAFFIC
(RAIL TO OBSTACLE CLEARANCE 3'-6" TO 4'-6")

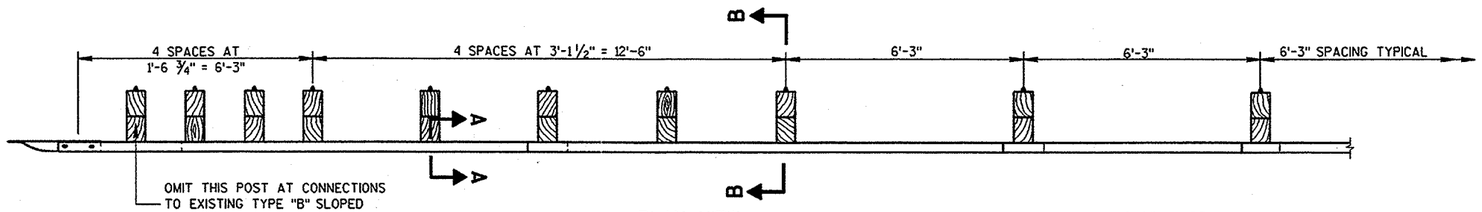
STEEL PLATE BEAM GUARD, CLASS 'A' (AT BRIDGES, OBSTACLES AND SIDEROADS/DRIVEWAYS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

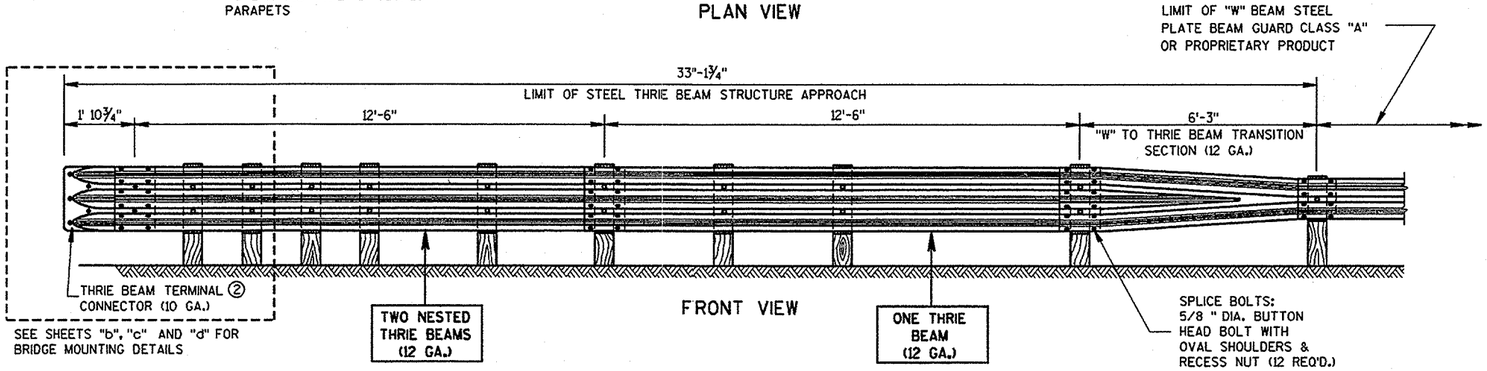
APPROVED 12/08/00 (DATE)
John Haverberg
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

S.D.D. 14 B 18-4a

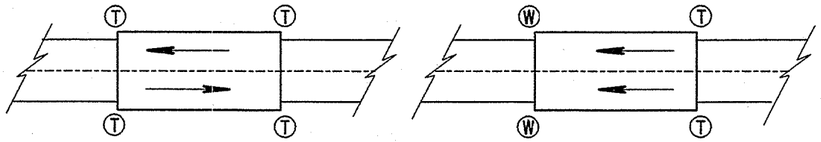
S.D.D. 14 B 18-4a



PLAN VIEW



FRONT VIEW



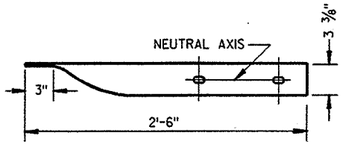
TWO WAY TRAFFIC

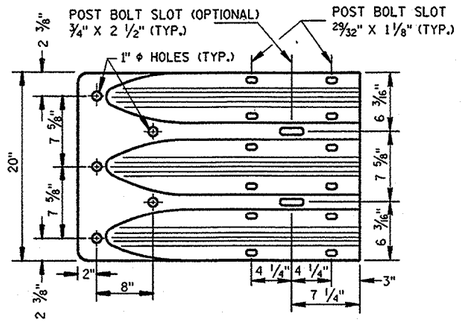
ONE WAY TRAFFIC

(T) THRIE BEAM CONNECTION

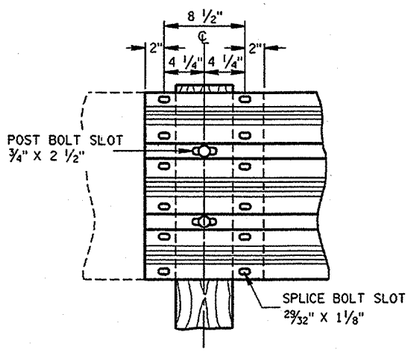
(W) W-BEAM CONNECTION WHEN REQUIRED

TYPICAL LOCATIONS OF THRIE BEAM AND W-BEAM CONNECTIONS TO BRIDGE

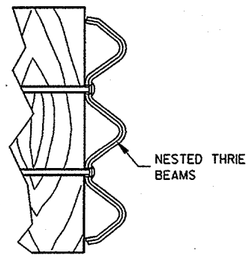




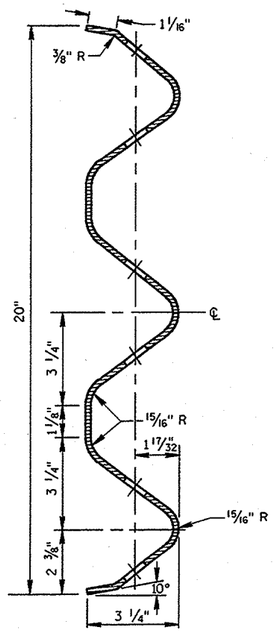
THRIE BEAM TERMINAL CONNECTOR



THRIE BEAM SPLICE



PARTIAL SECTION A-A



SECTION THRU THRIE BEAM RAIL ELEMENT

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

FURNISH AND CONSTRUCT THRIE BEAM STRUCTURAL APPROACH ACCORDING TO THE REQUIREMENTS OF SECTION 614 OF THE STANDARD SPECIFICATIONS. THRIE BEAM SECTIONS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO DESIGNATION M180, CLASS "A", TYPE 2.

BOLT THE THRIE BEAM TO ALL POSTS AND BLOCKOUTS. DRILL OR PUNCH BOLT HOLES IN THE BEAM IF THE POST SPACING IS LESS THAN 6'-3.

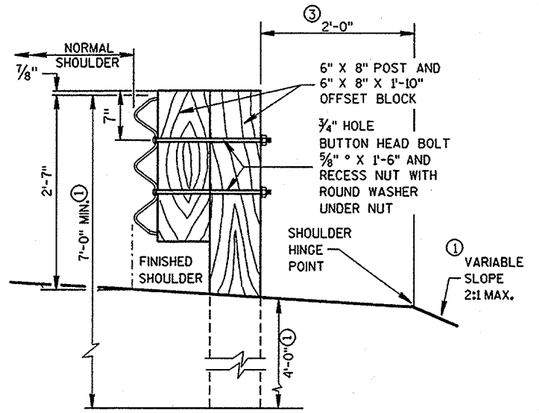
DO NOT USE STEEL POSTS AND NOTCHED PLASTIC BLOCKOUTS IN THE STEEL THRIE BEAM STRUCTURAL APPROACH AND THE TRANSITION SECTION OF STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATIONS.

IF ROCK IS ENCOUNTERED DURING EXCAVATION, THE ENGINEER MAY APPROVE USING A 12 INCH DIAMETER POST HOLE EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE APPROXIMATELY 2 1/2 INCHES DEEP. CUT THE POSTS TO LENGTH AND PLACE IN THE HOLE. BACKFILL WITH MATERIAL EXCAVATED FROM THE HOLE AND COMPACT ADEQUATELY.

(1) INCREASE POST LENGTH TO PROVIDE A MINIMUM EMBEDMENT OF 4'-0" IF THE SHOULDER HINGE POINT IS LOCATED IN FRONT OF THE POST.

(2) BRIDGE RAILING TYPE "W" DO NOT REQUIRE A TERMINAL CONNECTOR.

(3) WHEN SPECIFIED IN THE PLANS, THE CONTRACTOR MAY REDUCE OR ELIMINATE THE 2 FOOT MINIMUM TO HINGE POINT IF EXISTING CONDITIONS DO NOT PERMIT THE DESIRABLE EARTHWORK.



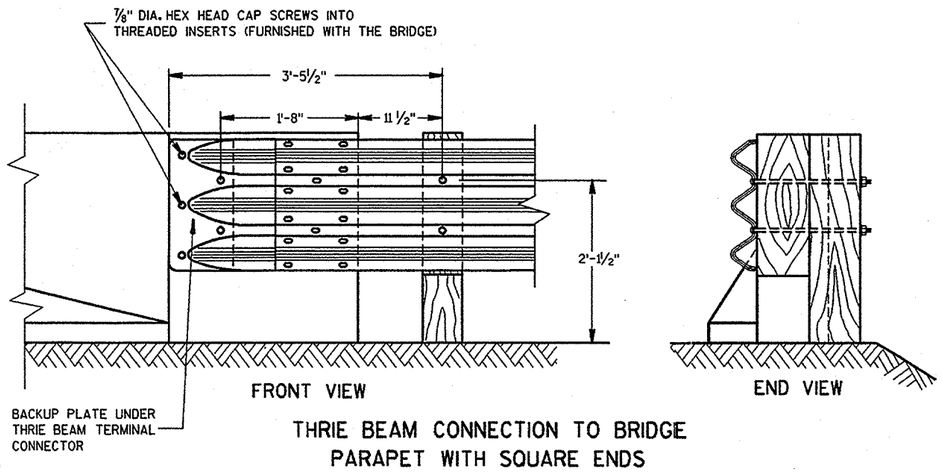
SECTION B-B

STEEL THRIE BEAM STRUCTURE APPROACH

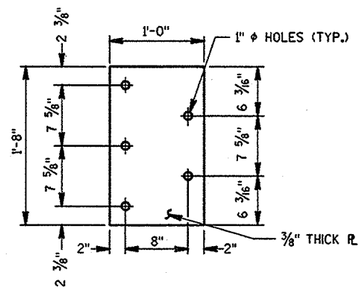
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

S.D.D. 14 B 20-5a

S.D.D. 14 B 20-5a



THRIE BEAM CONNECTION TO BRIDGE PARAPET WITH SQUARE ENDS



② BACKUP PLATE DETAIL

GENERAL NOTES

THESE ARE TYPICAL CONNECTION DETAILS. ADJUST THE POSTION OF CONNECTIONS TO EXISTING BRIDGES TO FIT THE ACTUAL BRIDGE AND SITE DIMENSIONS.

BOLTS, PLATES, NUTS AND WASHERS SHALL CONFORM TO THE REQUIREMENTS OF ASTM SPECIFICATION A 325, AND BE GALVANIZED IN ACCORDANCE WITH ASTM A 153.

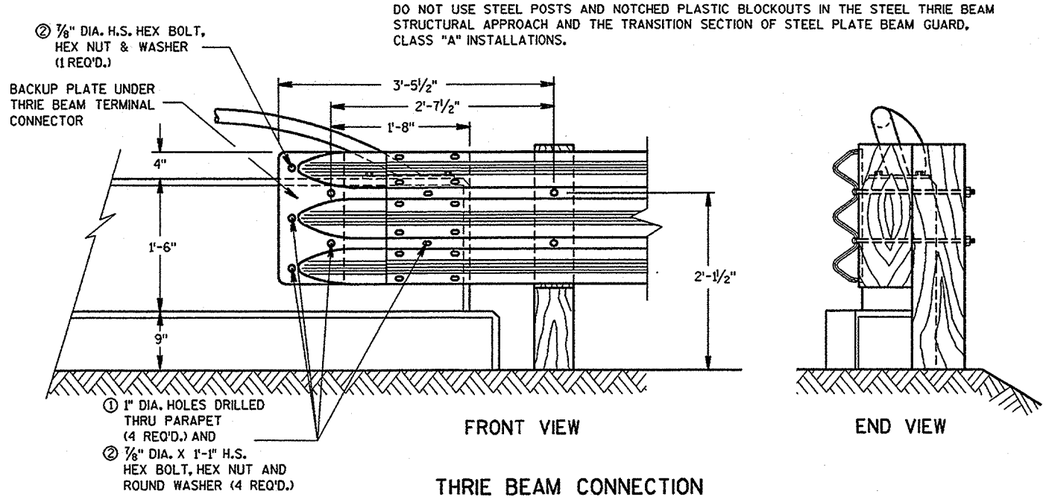
① INCLUDE THE PAYMENT FOR DRILLING BOLT HOLES THROUGH THE PARAPET, AND THE BACKUP PLATE AND ALL BOLTS, NUTS AND WASHERS IN THE ITEM "STEEL THRIE BEAM STRUCTURAL APPROACH".

② EACH BOLT AT THE BACK FACE OF THE PARAPET REQUIRES A HARDENED ROUND STEEL WASHER WITH A 2 1/4" O.D. X 5/32" THICK.

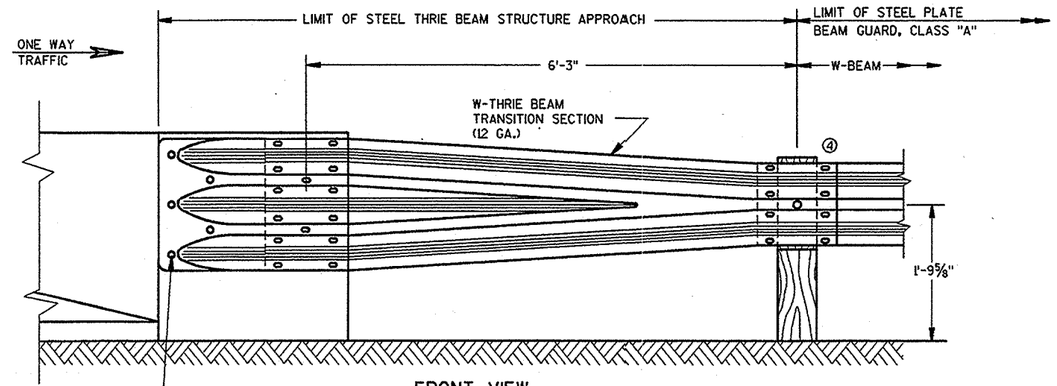
③ THE RECESS FOR A W-BEAM CONNECTION, WHICH EXISTS ON SOME PARAPETS OF THIS TYPE, SHALL BE FILLED WITH A TREATED TIMBER BLOCKOUT. BLOCKOUT SIZE IS 1'-6" X 2'-0" X 3 1/2".

④ W6 X 9 OR W6 X 8.5 STEEL POSTS AND NOTCHED PLASTIC BLOCKOUTS ARE ACCEPTABLE ALTERNATIVES FOR 6" X 8" WOOD POST WITH WOOD OR PLASTIC BLOCKOUTS. USE APPROVED NOTCHED PLASTIC BLOCKOUTS WITH STEEL POSTS.

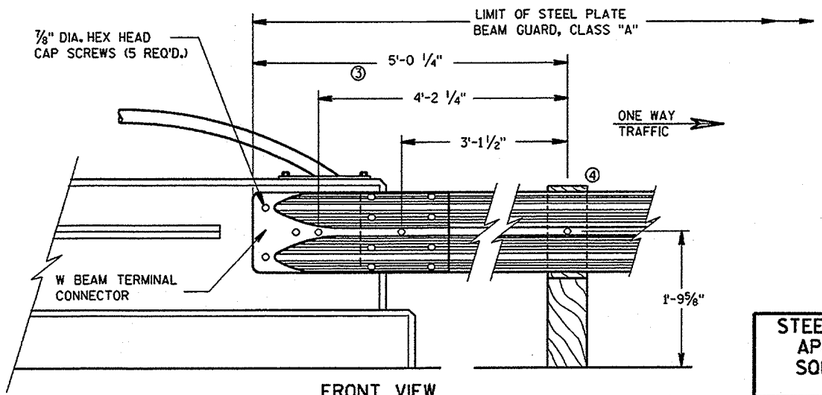
DO NOT USE STEEL POSTS AND NOTCHED PLASTIC BLOCKOUTS IN THE STEEL THRIE BEAM STRUCTURAL APPROACH AND THE TRANSITION SECTION OF STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATIONS.



THRIE BEAM CONNECTION TO VERTICAL FACED PARAPETS



W BEAM TRANSITION AND CONNECTION TO BRIDGE PARAPETS WITH SQUARE ENDS
(USE ONLY ON THE TRAFFIC EXIT END OF ONE WAY BRIDGES)



W BEAM CONNECTION TO VERTICAL FACE PARAPET
(USE ONLY ON THE TRAFFIC EXIT END OF ONE WAY BRIDGES)

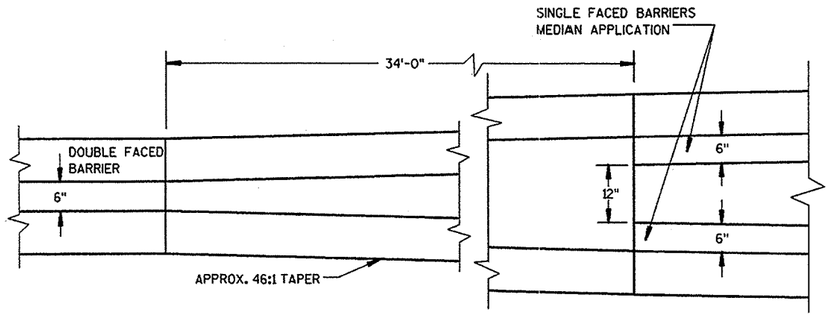
STEEL THRIE BEAM STRUCTURE APPROACH, CONNECTION TO SQUARE END AND VERTICAL FACED PARAPETS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
12/08/00
DATE
John Haverberg
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

S.D.D. 14 B 20-5b

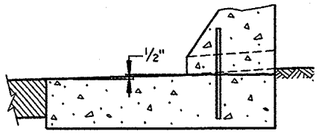
S.D.D. 14 B 20-5b



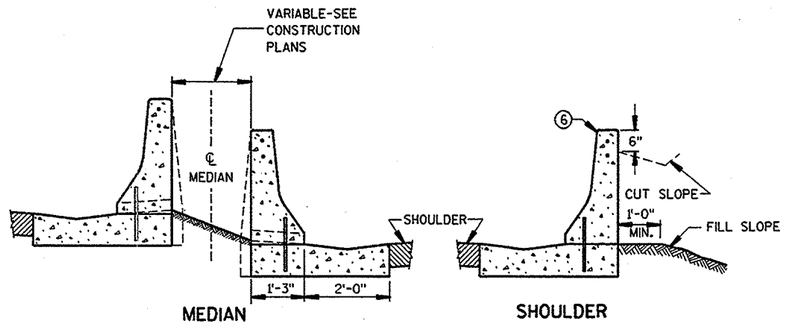
PLAN VIEW

TRANSITION DETAILS OF DOUBLE FACED TO SINGLE FACED CONCRETE MEDIAN BARRIER

(FOOTINGS ARE NOT SHOWN)

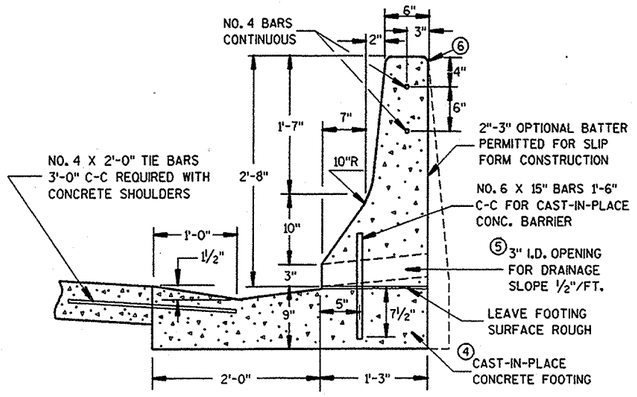


HIGH SIDE CONCRETE BARRIER DETAIL

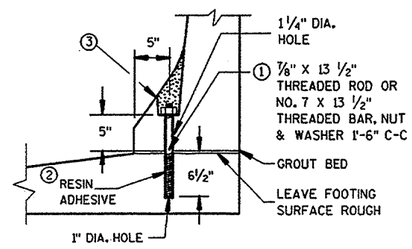


MEDIAN SHOULDER

TYPICAL APPLICATIONS



SECTION VIEW



ANCHORAGE DETAIL FOR PRECAST CONCRETE ALTERNATE

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

PRECAST UNITS SHALL BE FIRMLY BUTTED TOGETHER IN A CONTINUOUS LINE AND BE INTERCONNECTED BY VERTICAL MALE-FEMALE SHEAR CONNECTORS FORMED IN THE BARRIER ENDS.

SPLICES OF LONGITUDINAL BARS SHALL BE MADE WITH BARS LAPPED AT LEAST 18-INCHES AND FIRMLY TIED OR FASTENED TOGETHER.

ALL BAR STEEL REINFORCEMENT SHALL CONFORM TO REQUIREMENTS OF AASHTO M31, GRADE 60.

(1) THREADED RODS SHALL MEET THE REQUIREMENTS OF ASTM A572, GRADE 50, AND BE THREADED A MINIMUM LENGTH OF 2 1/2 INCHES AT THE TOP AND 6 1/2 INCHES AT THE BOTTOM. NO. 7 REINFORCEMENT BARS SHALL MEET THE REQUIREMENTS OF AASHTO M31, GRADE 60 AND BE THREADED A MINUMIM LENGTH OF 2 1/2 INCHES AT THE TOP. THE THREADED ROD OR NO. 7 REINFORCEMENT BAR, NUTS AND WASHERS SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153. NUTS SHALL BE TORQUED TO 300 FOOT POUNDS.

(2) THE RESIN ADHESIVE SHALL BE MADE BY AN APPROVED MANUFACTURER AND CERTIFIED TO PROVIDE A PULLOUT STRENGTH OF 19,000 POUNDS FOR THE ANCHORS AND CONCRETE EMBEDMENT SHOWN.

(3) BLOCKED OUT OPENINGS SHALL BE FILLED WITH A COMMERCIAL NON-SHRINK GROUT AFTER BARRIER IS INSTALLED.

(4) BARRIER SHALL BE INSTALLED ON A CONCRETE SHOULDER INSTEAD OF THE CONCRETE FOOTING WHEN SPECIFIED OR SHOWN ELSEWHERE IN CONTRACT.

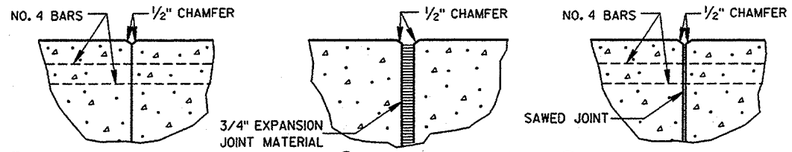
(5) OPENINGS FOR DRAINAGE SHALL BE PLACED AT LOW POINTS OF VERTICAL CURVES OR WHERE DIRECTED BY THE ENGINEER.

(6) 3/4-INCH BEVEL OR 1-INCH RADIUS (TYPICAL).

(7) NO. 4 BARS SHALL BE CONTINUED THROUGH CONSTRUCTION JOINTS.

(8) EXPANSION JOINTS SHALL BE PLACED AT EXISTING EXPANSION JOINTS IN THE PAVEMENT AND AT STRUCTURES. SEE REINFORCEMENT AT BARRIER END DETAIL.

(9) SAWED CONTRACTION JOINTS SHALL BE PROVIDED ACROSS THE FULL WIDTH OF THE BARRIER FOOTING, AND IN FRONT, TOP AND BACK FACE OF THE BARRIER AT EXISTING PAVEMENT JOINTS AND AT UNIFORM INTERVALS BETWEEN WITH A MAXIMUM SPACING OF 25 FEET.

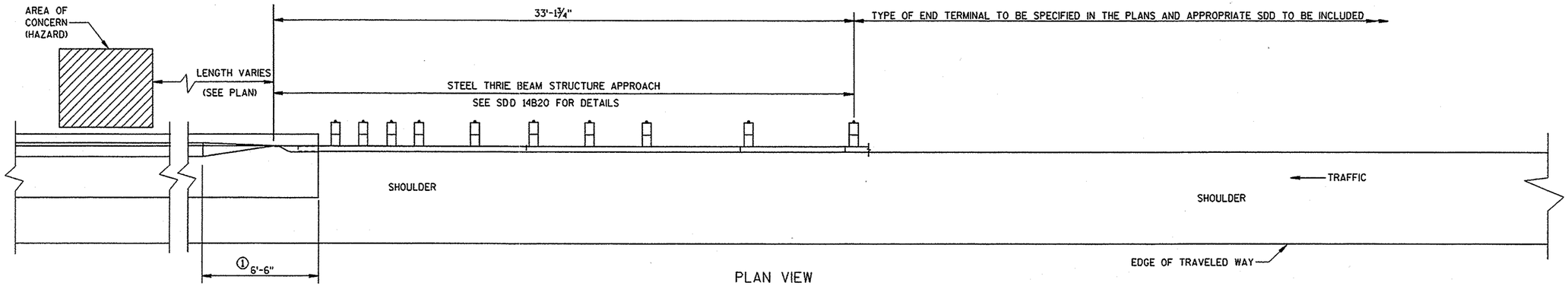


JOINT DETAILS

CONCRETE BARRIER, SINGLE-FACED (WITH ANCHORAGE)
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

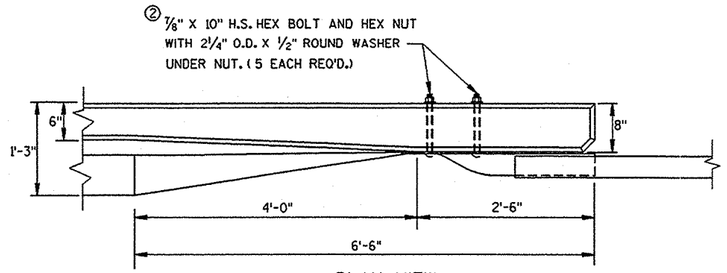
S.D.D. 14 B 22-3a

S.D.D. 14 B 22-3a



PLAN VIEW

TRANSITION TO STEEL PLATE BEAM GUARD AND END TERMINAL



PLAN VIEW

BENT BAR DETAIL

GENERAL NOTES

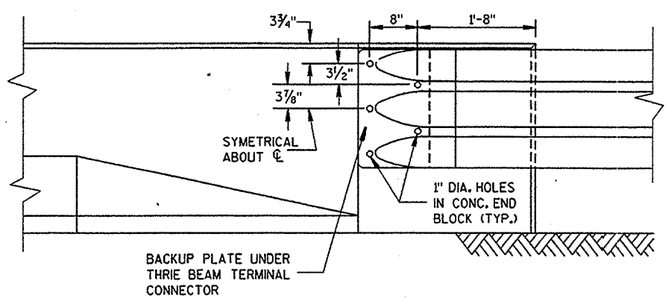
① A SPECIAL END IS REQUIRED ON THE CONCRETE BARRIER TO TRANSITION TO A CONNECTION WITH THE STEEL THRIE BEAM STRUCTURE APPROACH. SEE THE DETAILS ON THIS SHEET.

② HIGH STRENGTH BOLTS SHALL MEET REQUIREMENTS OF ASTM A325.

③ REINFORCEMENT REQUIRED AT EXPANSION JOINTS AND WHERE CONCRETE BARRIER IS TERMINATED.

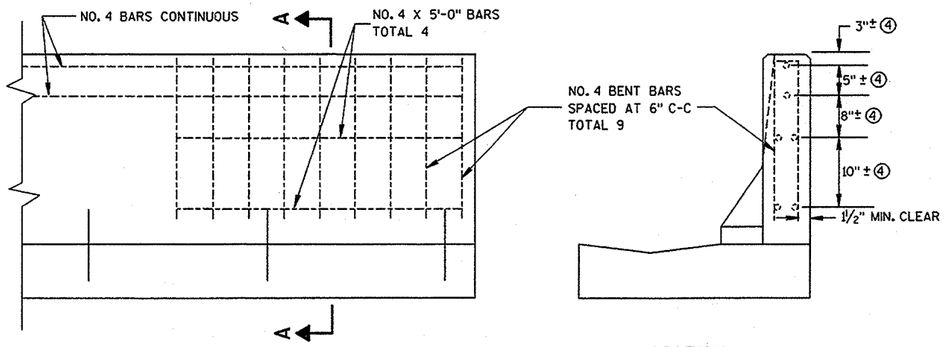
④ PLACE REINFORCEMENT SUCH THAT IT WILL NOT CONFLICT WITH THE BOLT HOLES IN THE THRIE BEAM TERMINAL CONNECTOR.

DO NOT USE STEEL POSTS AND NOTCHED PLASTIC BLOCKOUTS IN THE STEEL THRIE BEAM STRUCTURAL APPROACH AND THE TRANSITION SECTION OF STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATIONS.



FRONT VIEW

CONCRETE BARRIER TRANSITION TO THRIE BEAM



FRONT VIEW

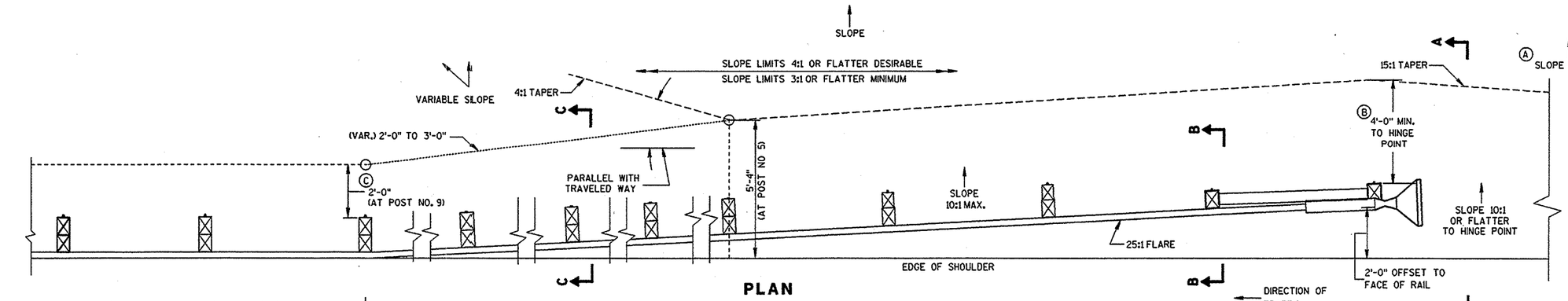
SECTION A-A

③ REINFORCEMENT AT BARRIER END

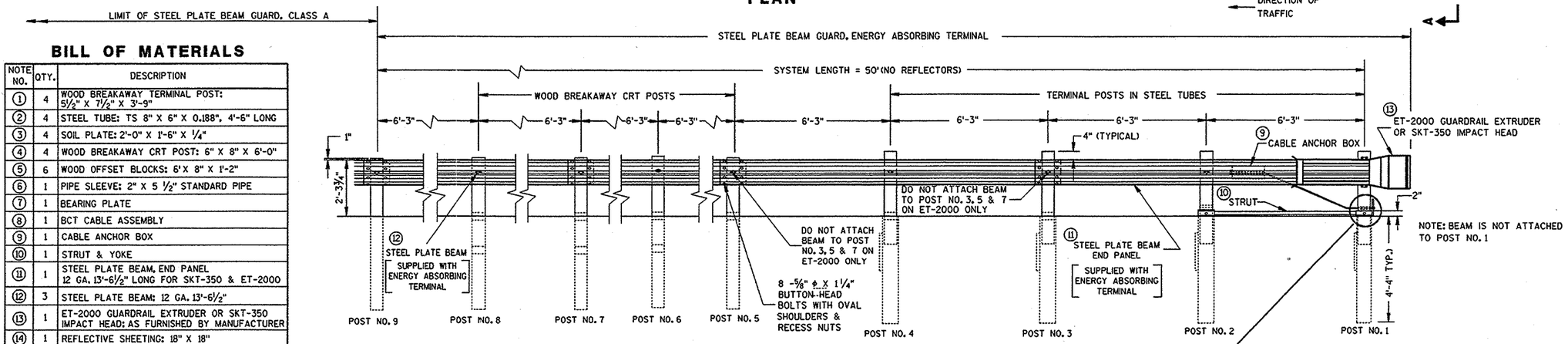
CONCRETE BARRIER, SINGLE-FACED (WITH ANCHORAGE)
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION
APPROVED 12/08/00 DATE — John Haverberg, CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

S.D.D. 14 B 22-3b

S.D.D. 14 B 22-3b



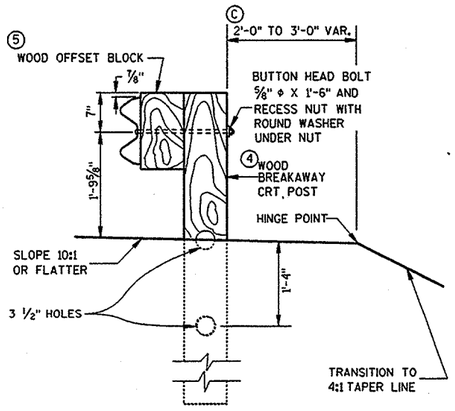
PLAN



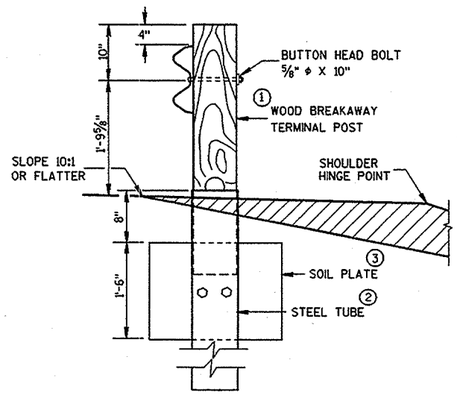
ELEVATION

BILL OF MATERIALS

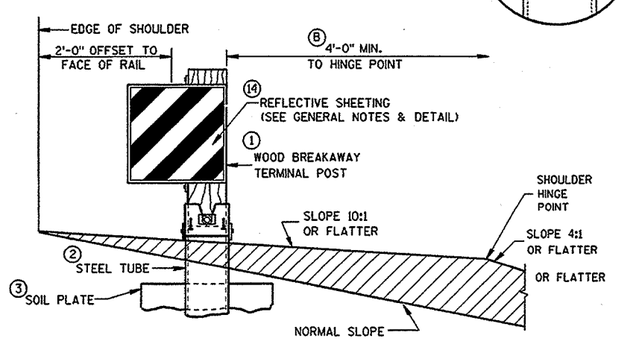
NOTE NO.	QTY.	DESCRIPTION
①	4	WOOD BREAKAWAY TERMINAL POST: 5½" X 7½" X 3'-9"
②	4	STEEL TUBE: TS 8" X 6" X 0.188", 4'-6" LONG
③	4	SOIL PLATE: 2'-0" X 1'-6" X ¼"
④	4	WOOD BREAKAWAY CRT POST: 6" X 8" X 6'-0"
⑤	6	WOOD OFFSET BLOCKS: 6'X 8" X 1'-2"
⑥	1	PIPE SLEEVE: 2" X 5 ½" STANDARD PIPE
⑦	1	BEARING PLATE
⑧	1	BCT CABLE ASSEMBLY
⑨	1	CABLE ANCHOR BOX
⑩	1	STRUT & YOKE
⑪	1	STEEL PLATE BEAM, END PANEL 12 GA. 13'-6½" LONG FOR SKT-350 & ET-2000
⑫	3	STEEL PLATE BEAM: 12 GA. 13'-6½"
⑬	1	ET-2000 GUARDRAIL EXTRUDER OR SKT-350 IMPACT HEAD: AS FURNISHED BY MANUFACTURER
⑭	1	REFLECTIVE SHEETING: 18" X 18"



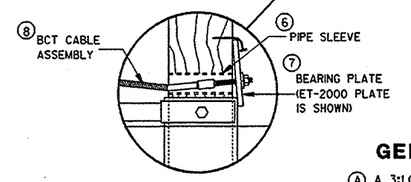
SECTION C-C
TYPICAL AT POST NOS. 5-8 INC.



SECTION B-B
TYPICAL AT POST NO. 2
(ADD WOOD OFFSET BLOCK AT POST 3 & 4)



SECTION A-A
TYPICAL AT POST NO. 1



GENERAL NOTES

(A) A 3:1 OR FLATTER SLOPE MAY BE USED FOR INSTALLATION ON EXISTING HIGHWAYS.

(B) WHEN SPECIFIED ELSEWHERE IN THE CONTRACT THE 4-FOOT MINIMUM TO HINGE POINT, MAY BE REDUCED OR ELIMINATED WHERE EXISTING CONDITIONS WILL NOT PERMIT THE DESIRABLE EARTHWORK. SIMILIARLY THE 15:1 TAPER MAY BE REDUCED TO 4:1.

(C) WHEN SPECIFIED ELSEWHERE IN THE CONTRACT THE 2-FOOT MINIMUM TO HINGE POINT, MAY BE REDUCED OR ELIMINATED WHERE EXISTING CONDITIONS WILL NOT PERMIT THE DESIRABLE EARTHWORK.

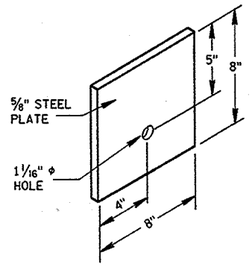
STEEL POSTS SHALL NOT BE ALLOWED FOR USE WITH ENERGY ABSORBING TERMINALS.

STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL

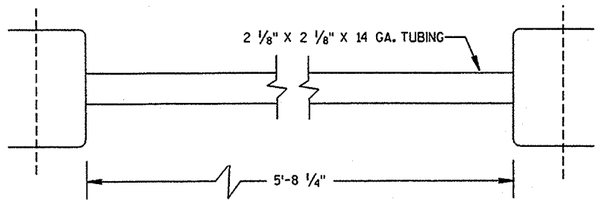
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

S.D.D. 14 B 24-3a

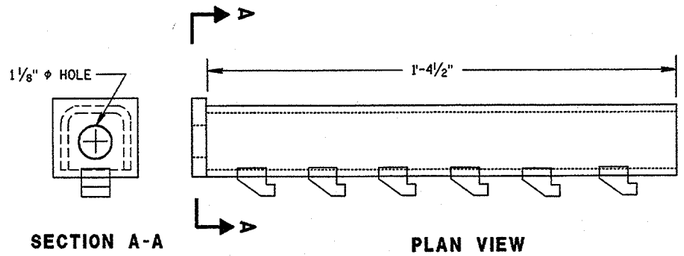
S.D.D. 14 B 24-3a



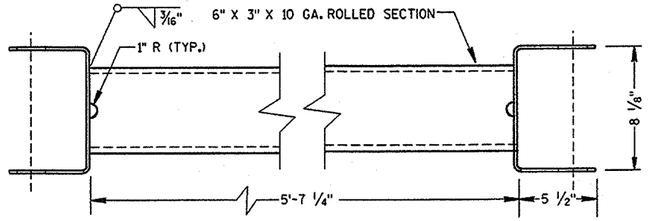
STEEL BEARING PLATE (SKT-350)



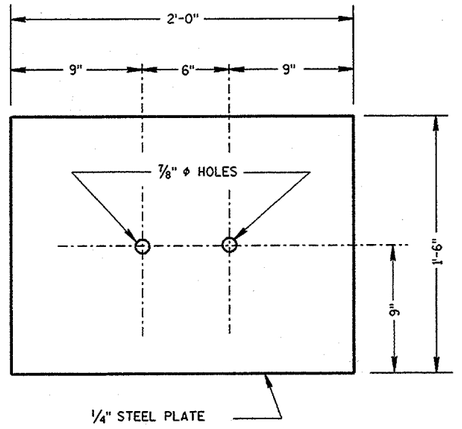
STRUT DETAIL (SKT-350)



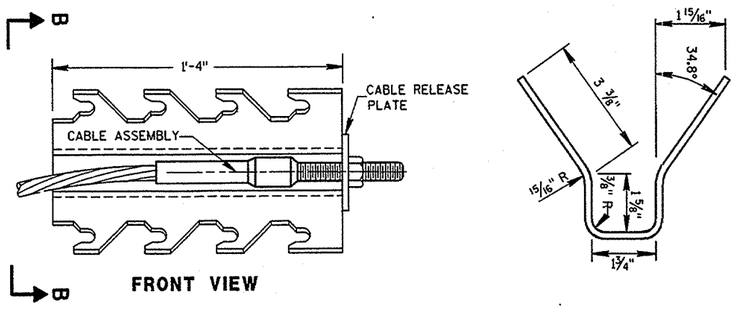
CABLE ANCHOR BOX (ET-2000)



STRUT DETAIL (ET-2000)

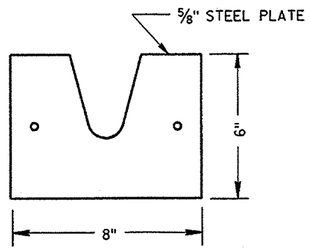


SOIL PLATE (SKT-350 & ET-2000)

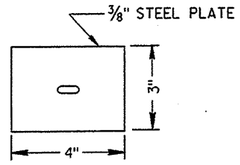


CABLE ANCHOR BOX (SKT-350)

(SKT-350)



STEEL BEARING PLATE (ET-2000)



BEARING PLATE WASHER ET-2000)

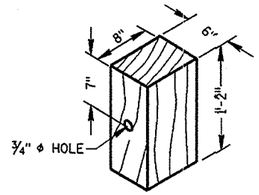
(ET-2000)

STEEL PLATE BEAM GUARD
ENERGY ABSORBING TERMINAL

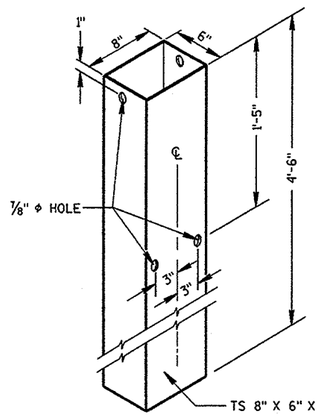
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

S.D.D. 14 B 24-3b

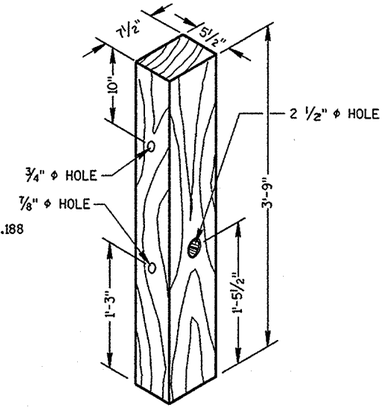
S.D.D. 14 B 24-3b



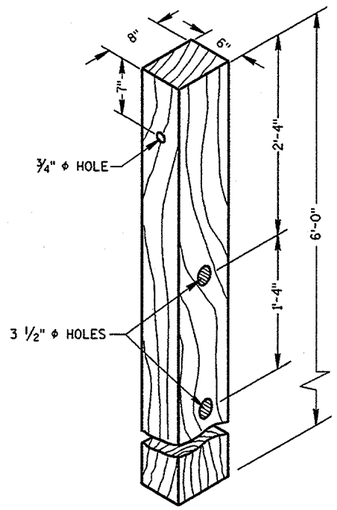
WOOD OFFSET BLOCK
REQ'D. AT ALL POSTS EXCEPT POST NO'S 1 & 2



STEEL TUBE
(POSTS NO. 1-4
THE STEEL TUBE SHALL CONFORM
TO REQUIREMENTS OF ASTM A500



TERMINAL POST
(POSTS NO. 1-4



CRT POST
(POSTS NO'S 5-8

WOOD BREAKAWAY POSTS

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, APPLICABLE SPECIAL PROVISIONS AND MANUFACTURERS INSTRUCTIONS.

STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL SHALL BE EITHER THE EXTRUDER TERMINAL (ET-2000), OR THE SEQUENTIAL KINKING TERMINAL (SKT-350). THE CONTRACTOR SHALL NOT INTERMIX PROPRIATERY PRODUCT MATERIALS.

THE "ET-2000" IS AVAILABLE FROM SYRO, INC., 2524 N. STEMMONS FREEWAY, DALLAS TEXAS 75207. TELEPHONE 1-800-835-6086 OR 1-800-644-7976

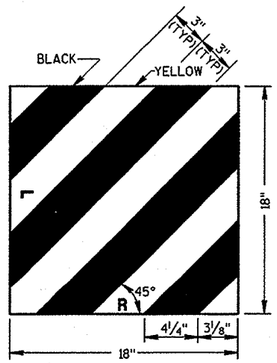
THE "SKT-350" IS AVAILABLE FROM ROAD SYSTEMS, INC., 7631 NEW CASTLE DRIVE, FRANKFORT, ILLINOIS 60423. TELEPHONE (815) 464-5917

THE ET-2000, AND SKT-350 END TERMINALS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

STEEL PLATE BEAM GUARD, ENERGY ABSORBING TERMINAL SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH, WHICH SHALL INCLUDE HARDWARE, STEEL PLATE BEAM GUARD, POSTS, REFLECTIVE SHEETING AND INSTALLATION AS SHOWN.

REFLECTIVE SHEETING - SHALL CONFORM TO ASTM SPECIFICATION D4956-93b, REFLECTIVE SHEETING TYPE III, BACKING CLASS 4, PERFORMANCE REQUIREMENT TYPE III. THE MESSAGE AND LINES SHALL BE APPLIED TO THE SIGNS BY THE SILK SCREEN STENCIL PROCESS USING A BLACK OR DARK STENCIL PASTE AS A TYPE APPROVED BY THE MANUFACTURER OF THE FACE MATERIAL TO WHICH IT IS TO BE APPLIED. MESSAGE UNITS CUT FROM NONREFLECTIVE SHEETING AND APPLIED TO THE SIGN FACE ARE NOT ACCEPTABLE. AFTER THE APPROACH END OF THE STEEL PLATE BEAM GUARD INSTALLATION IS COMPLETE, CLEAN THE AREA WHERE THE REFLECTIVE SHEETING WILL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION. ONCE CLEAN, APPLY REFLECTIVE SHEETING DIRECTLY TO THE STEEL PLATE BEAM GUARD AS SHOWN. THE CONTRACTOR SHALL TURN OVER THE MANUFACTURERS WARRANTY FOR THE REFLECTIVE SHEETING TO THE DEPARTMENT FOR POTENTIAL DEALING WITH THE MANUFACTURER. PAYMENT OF REFLECTIVE SHEETING IS INCIDENTAL TO STEEL PLATE BEAM GUARD, ENERGY ABSORBING TERMINAL.

WHEN ROCK IS ENCOUNTERED DURING EXCAVATION, A 12 INCH DIA. POST HOLE EXTENDING 20 INCHES DEEP INTO THE ROCK MAY BE USED IF APPROVED BY THE ENGINEER. GRANULAR MATERIAL SHALL BE PLACED IN THE BOTTOM OF THE HOLE APPROXIMATELY 2 ½" INCHES DEEP TO PROVIDE DRAINAGE. THE SOIL TUBES SHALL BE FIELD CUT TO LENGTH, PLACED IN THE HOLE AND BACKFILLED WITH ADEQUATELY COMPACTED MATERIAL EXCAVATED FROM THE HOLE.



REFLECTIVE SHEETING DETAIL

S.D.D. 14 B 24-3c

STEEL PLATE BEAM GUARD
ENERGY ABSORBING TERMINAL

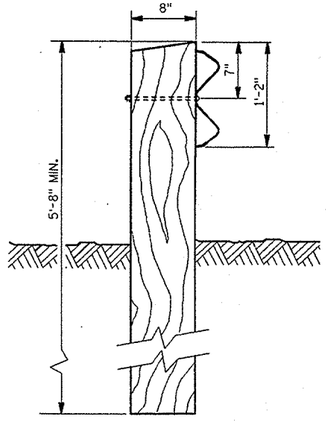
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
12/08/00
DATE

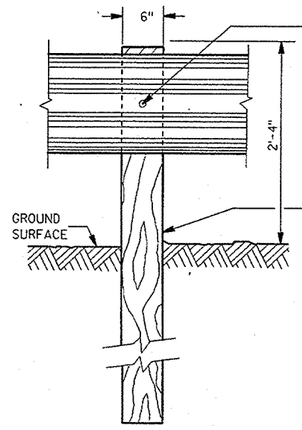
John Haverberg
CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

S.D.D. 14 B 24-3c



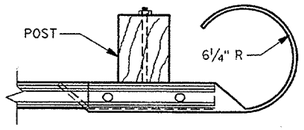
END VIEW



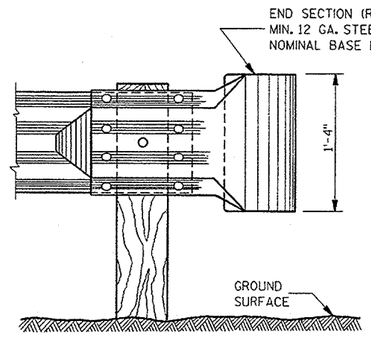
FRONT VIEW

BUTTONHEAD MOUNTING BOLT 5/8 " DIA. X LENGTH AS REQUIRED. SECURED WITH WASHER & NUT. THREAD END TO BE BURRED FOLLOWING MOUNTING.

SAWED TREATED TIMBER POSTS 6" X 8" X 6'-0" SHALL BE FURNISHED AND PLACED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.



PLAN

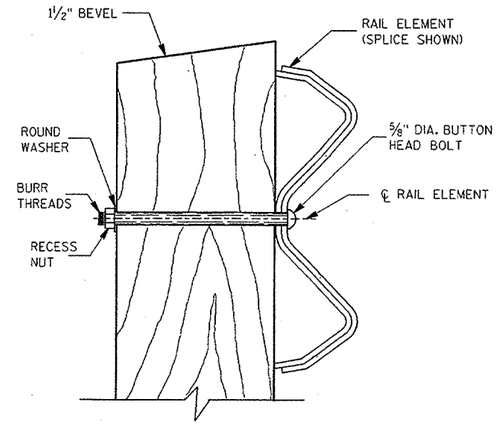


FRONT ELEVATION

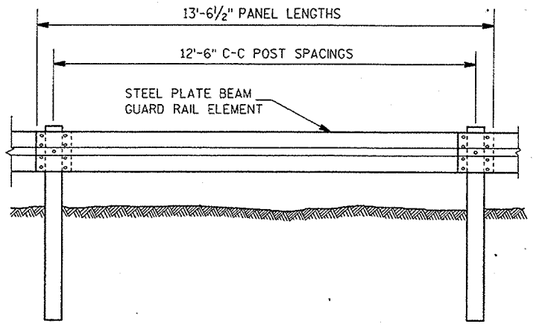
END SECTION (ROUNDED) DETAILS

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

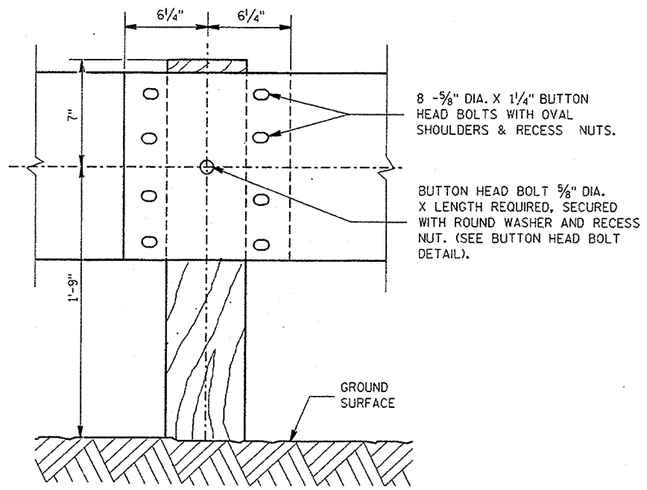


BUTTON HEAD BOLT DETAIL

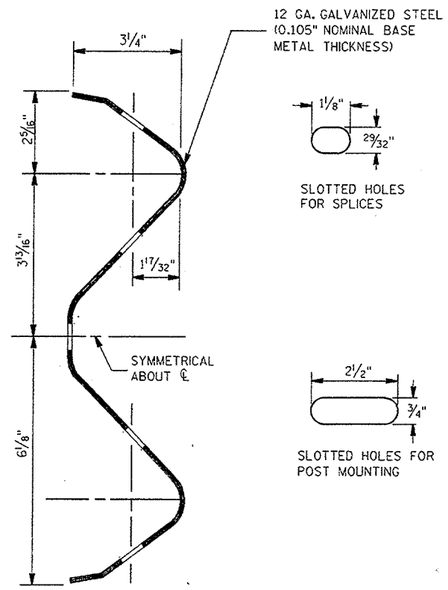


FRONT VIEW

POST DETAIL



RAIL ELEMENT SPLICING AND POST MOUNTING DETAIL



SECTION THRU RAIL ELEMENT

STEEL PLATE BEAM GUARD CLASS B

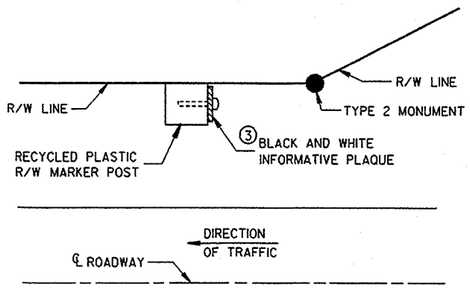
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED 3-25-85 DATE — CHIEF DESIGN ENGINEER

FHWA

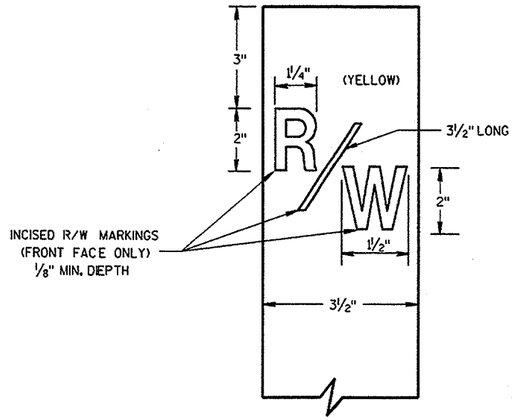
S.D.D. 14 B 3-2

S.D.D. 14 B 3-2

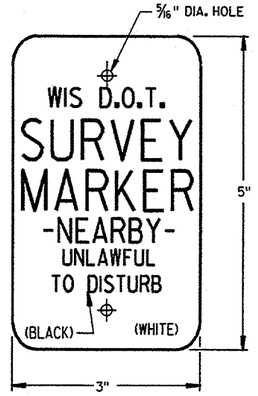


PLAN VIEW

TYPICAL LOCATION ④



RECYCLED PLASTIC RIGHT-OF-WAY MARKER POST FRONT FACE



INFORMATIVE PLAQUE ③

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

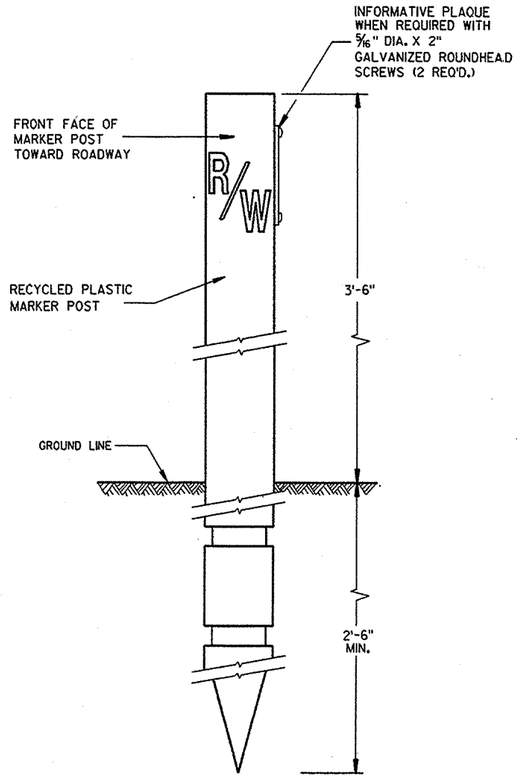
① POSTS SHOULD BE DRIVEN 2'-6" INTO THE GROUND.

② IN HEAVY SOILS, IT IS RECOMMENDED A 3" PILOT HOLE BE DRILLED INTO THE GROUND BEFORE DRIVING THE POST.

③ INFORMATIVE PLAQUES WILL BE FURNISHED BY THE DEPARTMENT OF TRANSPORTATION AND BE PLACED ON THE SIDE OF THE POST FACING THE TYPE 2 MONUMENT.

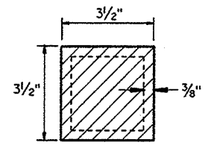
④ A MARKER POST FOR RIGHT-OF-WAY SHALL BE PLACED ADJACENT TO EACH TYPE 2 MONUMENT TO SERVE AS A GUARD POST, AND AT OTHER LOCATIONS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

MARKING & SIGNING DETAILS

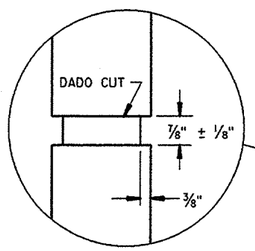


FRONT VIEW

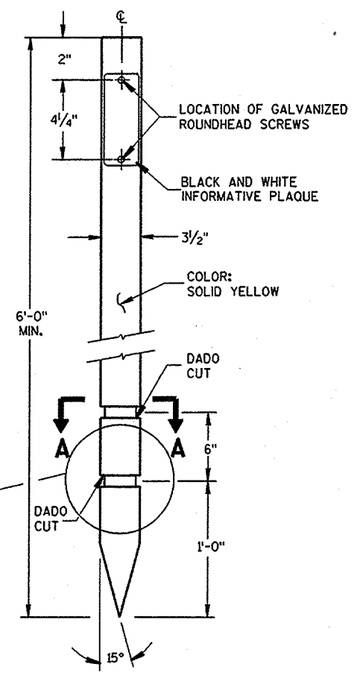
TYPICAL INSTALLATION ①②



SECTION A-A



DADO CUT DETAIL



SIDE VIEW

STANDARD RECYCLED PLASTIC MARKER POST

MARKER POST
FOR RIGHT-OF-WAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED 3/9/61
DATE

Kenneth G. Brandenburg
CHIEF SURVEYING AND MAPPING ENGINEER

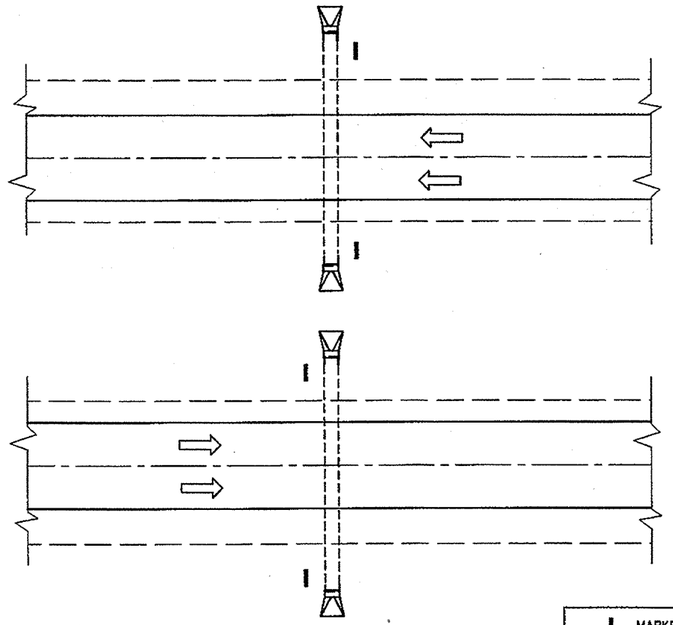
FHWA

S.D.D. 15 A 1-7

S.D.D. 15 A 1-7

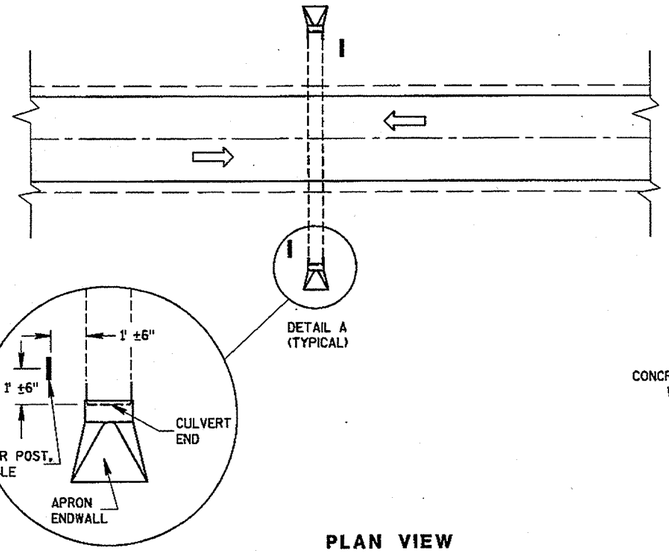
GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



PLAN VIEW

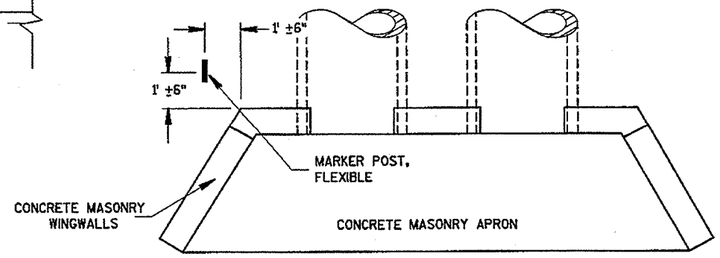
DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

UNDIVIDED HIGHWAY



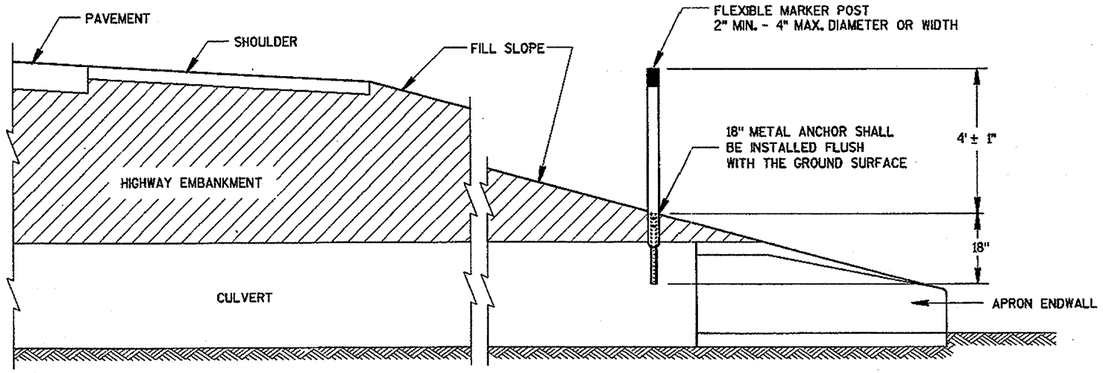
PLAN VIEW

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

MARKER POST, FLEXIBLE

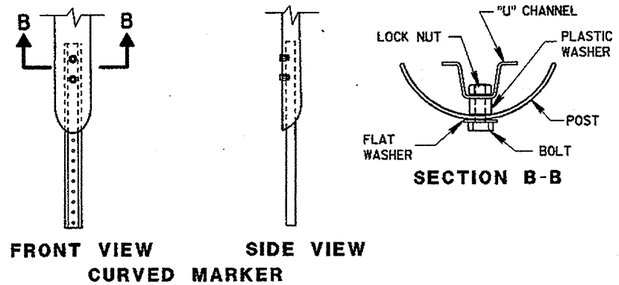
DIRECTION OF TRAFFIC FLOW

FLEXIBLE MARKER POST LOCATION

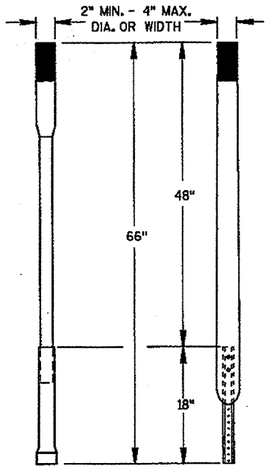


CROSS SECTION

FLEXIBLE MARKER POST



FLEXIBLE MARKER POST ANCHORS



ALTERNATE 1 ALTERNATE 2

FLEXIBLE MARKER POST

MARKER POST, FLEXIBLE, FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

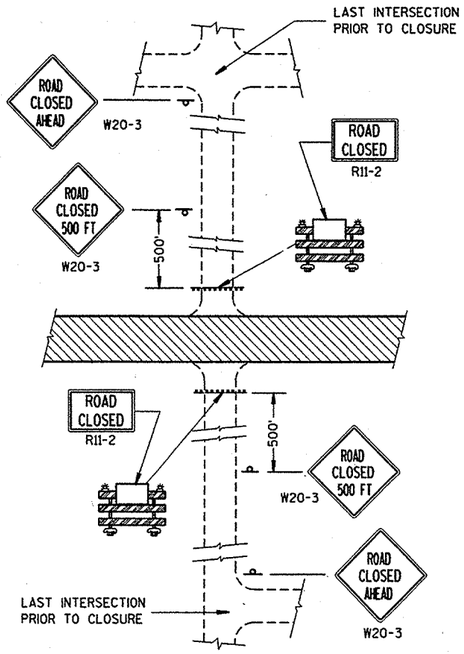
APPROVED 10/01/98 DATE

CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

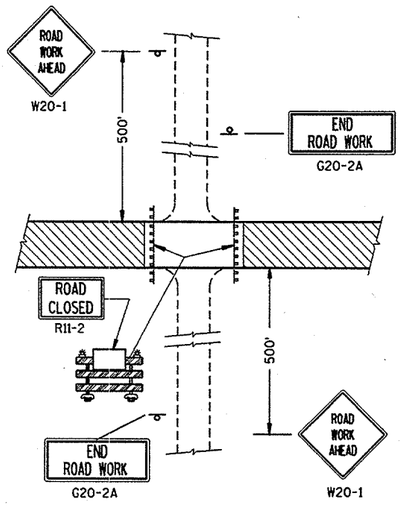
S.D.D. 15 A 3-1

S.D.D. 15 A 3-1



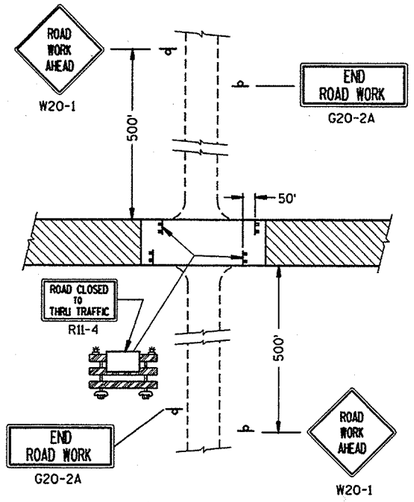
DETAIL 1

(NO ACCESS TO PROJECT)



DETAIL 2

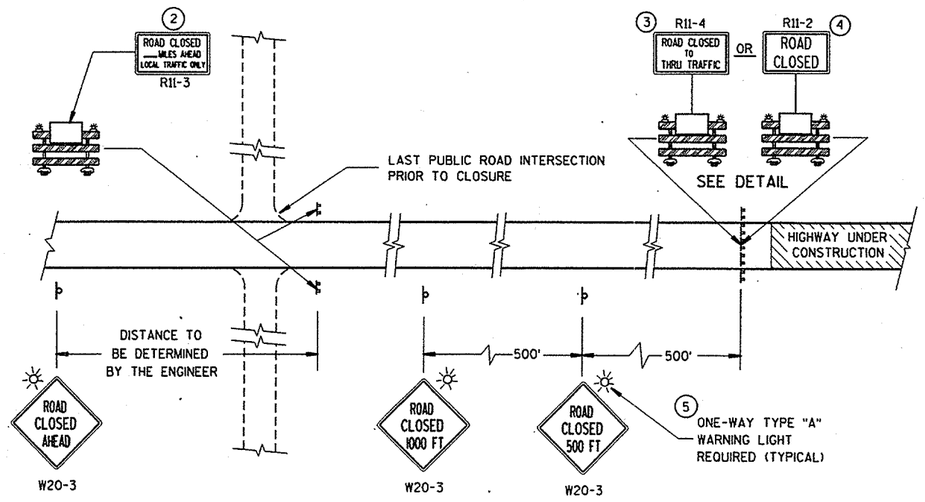
(PUBLIC CROSS-TRAFFIC MAINTAINED. NO ACCESS TO PROJECT).



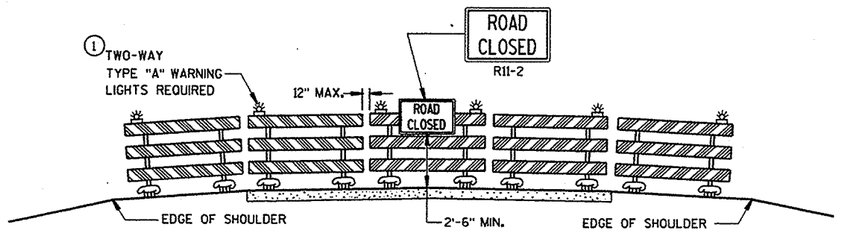
DETAIL 3

(PUBLIC CROSS-TRAFFIC MAINTAINED. CONTRACTOR, LOCAL BUSINESS AND RESIDENT ACCESS).

SIDEROAD CLOSURES

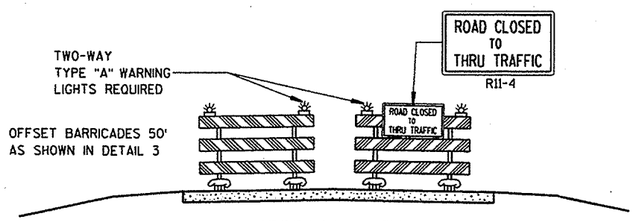


MAINLINE CLOSURE



APPROACH VIEW

ROAD CLOSURE BARRICADE DETAIL



APPROACH VIEW

LANE CLOSURE BARRICADE DETAIL

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND THEIR LOCATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE WISCONSIN MANUAL OF TRAFFIC CONTROL DEVICES, THE PLANS, SPECIFICATIONS AND CONTRACT.

SIGN AND BARRICADE LOCATIONS MAY BE ADJUSTED IN THE FIELD AS DIRECTED BY THE ENGINEER. ANY EXISTING TRAFFIC SIGNS THAT CONFLICT WITH THIS WORK SHALL BE COVERED AS DIRECTED BY THE ENGINEER. ALL "STOP" OR OTHER REGULATORY SIGNS ON THE SIDE ROADS SHALL NOT BE DISTURBED, EXCEPT WHEN NECESSARY TO COMPLETE THE WORK. THE SIGNS MUST THEN BE IMMEDIATELY REESTABLISHED.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL FOR FULL ROAD CLOSURES. TYPE "A" LOW INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE ROAD CLOSED SIGN (R11-2), ROAD CLOSED ___ MILES AHEAD SIGN (R11-3) AND THE ROAD CLOSED TO THRU TRAFFIC SIGN (R11-4) SHALL BE ATTACHED ONLY TO THE TOP RAIL OF THE TYPE III BARRICADE. THE SIGNS SHALL NOT COVER MIDDLE RAIL.

TYPE "H" REFLECTIVE SHEETING SHALL BE USED ON ALL BARRICADES, TYPE I, II AND III, AND ON ALL R11-2, R11-3 AND R11-4 SIGNS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11-2, "ROAD CLOSED" SIGNS SHALL BE 48" X 30".
- R11-3, AND R11-4 SIGNS SHALL BE 60" X 30".
- G20-2A SIGNS SHALL BE 48" X 24".

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND AT LEAST ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN.

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT INTERSECTION.

(3) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT. SEE LANE CLOSURE BARRICADE DETAIL

(4) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT. SEE ROAD CLOSURE BARRICADE DETAIL.

(5) ONE-WAY LIGHTS SHALL BE PROVIDED ON ALL ADVANCE WARNING SIGNS. THE UNIT SHALL BE POSITIONED SUCH THAT THE LIGHT SOURCE IS OUTSIDE THE SIGN FACE AND AT THE TOP OF THE SIGN.

LEGEND

- POST MOUNTED WARNING SIGN
- TYPE III BARRICADES WITH TYPE "H" REFLECTIVE SHEETING
- TYPE "A" LOW INTENSITY FLASHING WARNING LIGHT (FOR NIGHT USE)
- WORK AREA

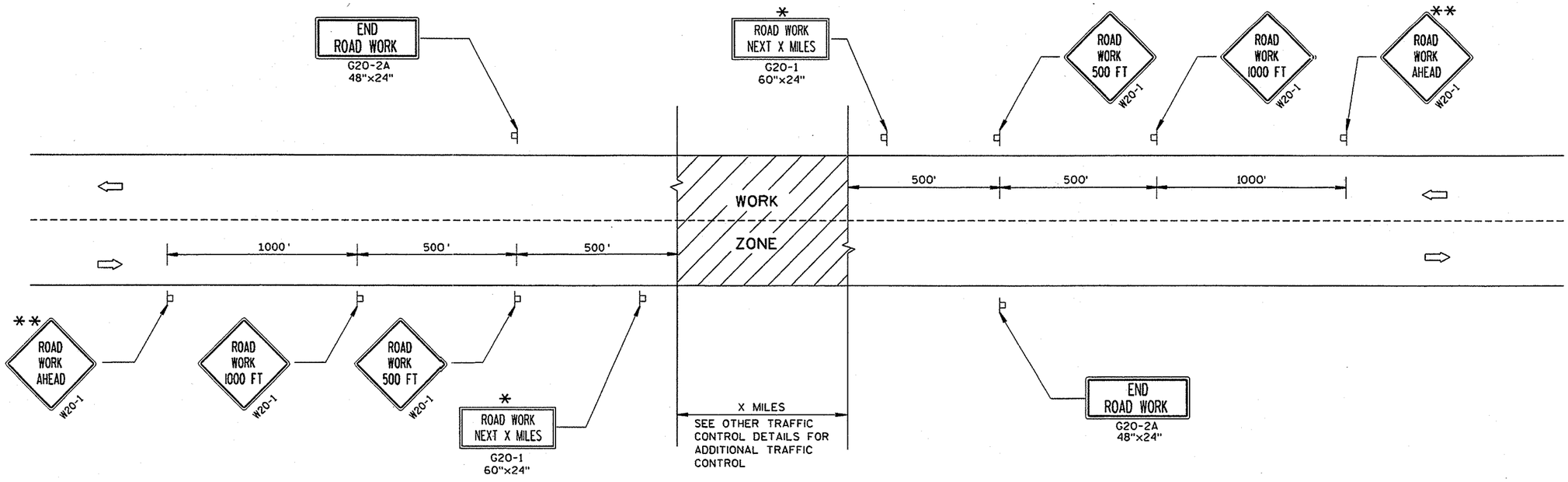
BARRICADES AND SIGNS FOR ROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

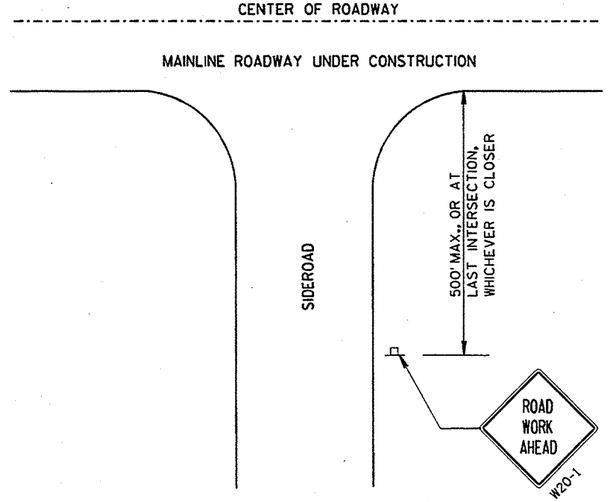
APPROVED
8-10-95
DATE
Charles J. Spang
for DIRECTOR, OFFICE OF TRAFFIC
FHWA

S.D.D. 15 C 2-3

S.D.D. 15 C 2-3



TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL



GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS RE-ESTABLISHED.

* OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

** PLACE ADDITIONAL W20-1 "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA OR SIGNING.

LEGEND

POST MOUNTED SIGN

DIRECTION OF TRAFFIC FLOW

TRAFFIC CONTROL,
ADVANCE WARNING SIGNS
45 M.P.H. OR GREATER
TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

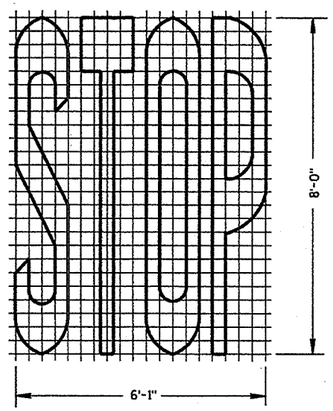
APPROVED
5/23/00
DATE

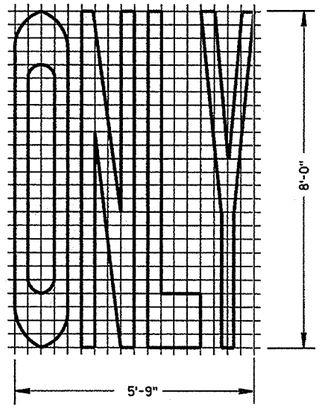
Chester J. Sprang
CHIEF SIGNS AND MARKING ENGINEER

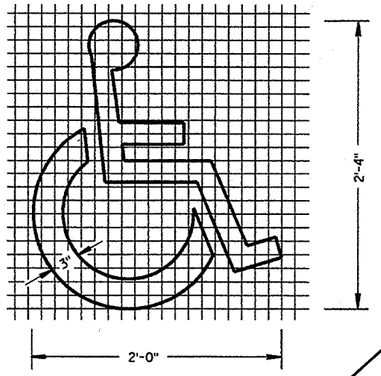
FHWA

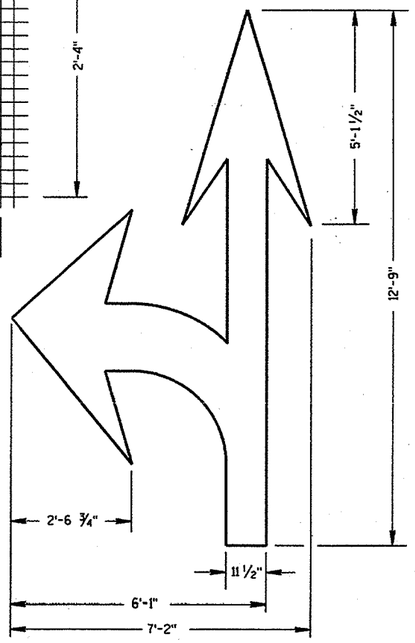
S.D.D. 15 C 4-1

S.D.D. 15 C 4-1

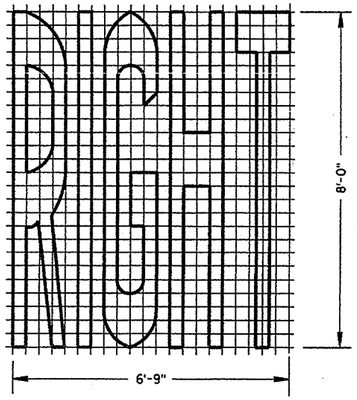


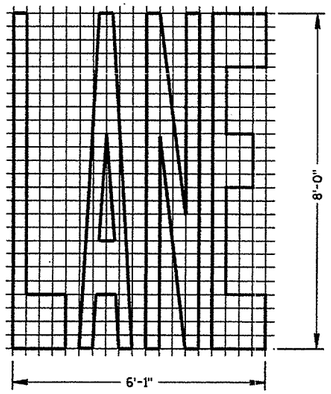


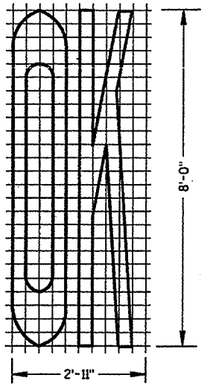


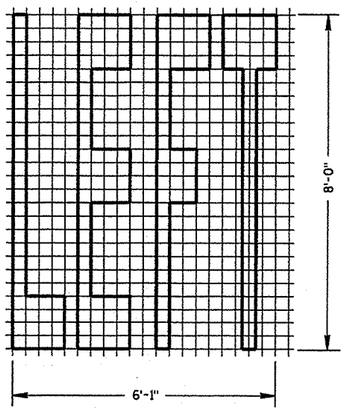


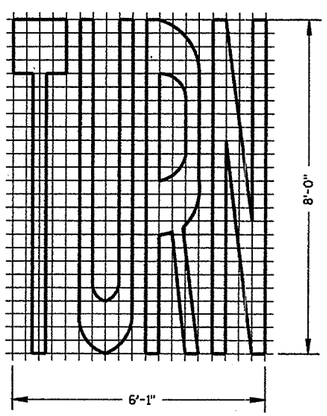
TYPE 3

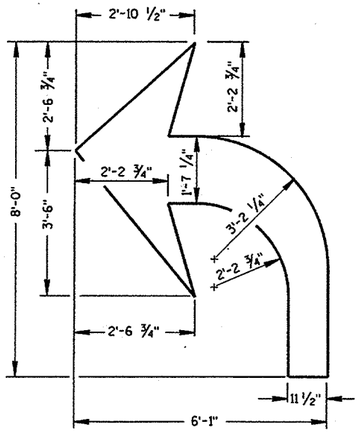




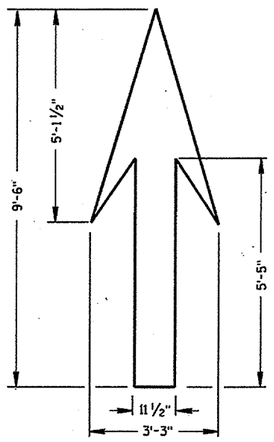








TYPE 2



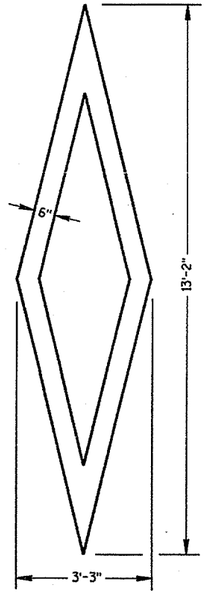
TYPE 1

GENERAL NOTES

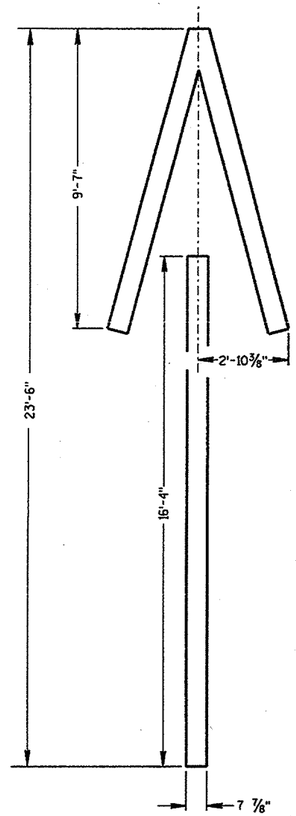
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

ALL LETTERS AND SYMBOLS SHALL BE IN CONFORMANCE WITH REQUIREMENTS INCLUDED IN "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKING" BY THE FEDERAL HIGHWAY ADMINISTRATION. ALL LETTERS, ARROWS AND SYMBOLS SHALL BE WHITE AND REFLECTORIZED.

A DETAILED DRAWING OF THE HANDICAPPED PARKING SYMBOL IS ILLUSTRATED IN THE "STANDARD HIGHWAY SIGNS MANUAL" BY THE FEDERAL HIGHWAY ADMINISTRATION.



PREFERENTIAL LANE SYMBOL



TYPE 4

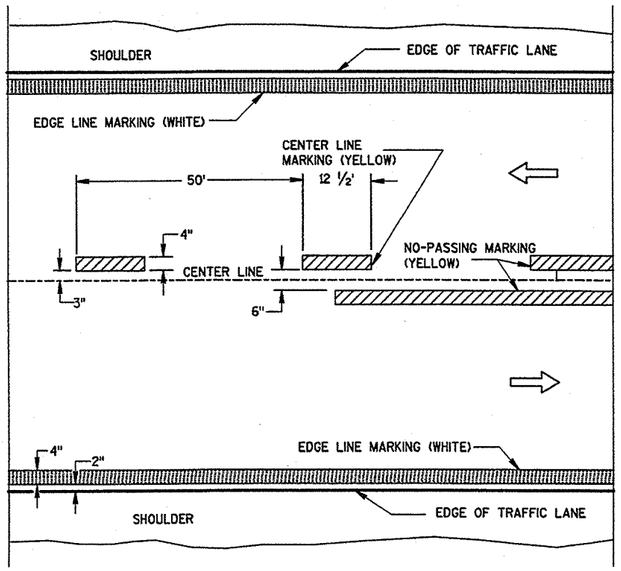
PAVEMENT MARKING SYMBOLS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

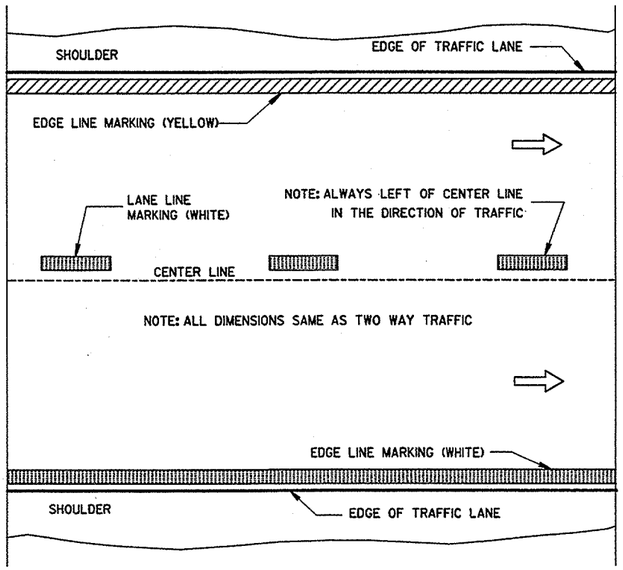
APPROVED
7-28-95 DATE
Chester J. Spang for DIRECTOR, OFFICE OF TRAFFIC
FHWA

S.D.D. 15 C 7-5a

S.D.D. 15 C 7-5a

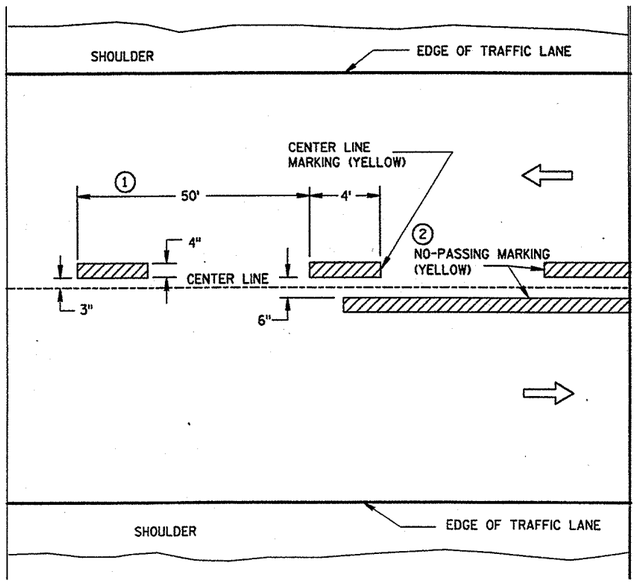


TWO WAY TRAFFIC

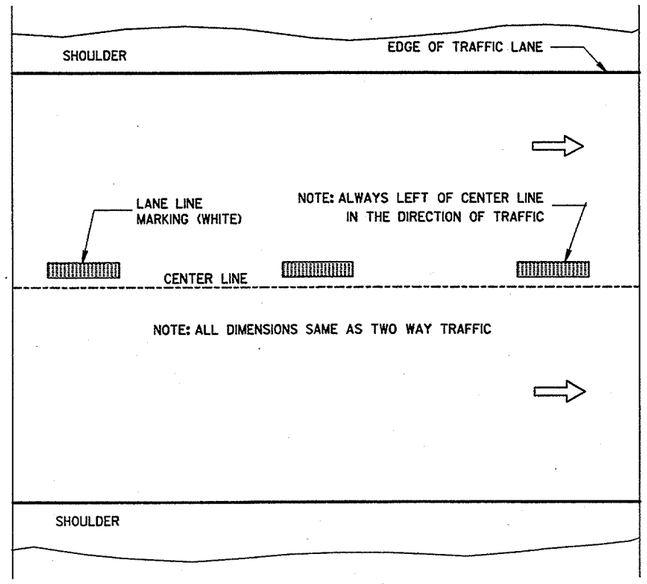


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY (INTERMEDIATE) PAVEMENT MARKING

(SHOWS CYCLE FOR TEMPORARY CENTER LINE OR TEMPORARY LANE LINE MARKING)

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

(1) HALF CYCLE LENGTHS (25'±) WITH 2' MINIMUM STRIPE LENGTHS SHALL BE PROVIDED ON ROADWAYS (INCLUDING TEMPORARY TRAVELED WAYS) WITH REVERSE CURVATURE, CURVATURE OF OVER 5 DEGREES OR WHEN DIRECTED BY THE ENGINEER TO MARK UNUSUAL ALIGNMENT OF THE TRAVELED WAY.

(2) NO PASSING ZONE TEMPORARY PAVEMENT MARKING IS REQUIRED TO BE PLACED, WHERE APPROPRIATE, ALONG WITH CENTERLINE TEMPORARY PAVEMENT MARKING WHEN A SAME DAY PERMANENT PAVEMENT MARKING ITEM IS INCLUDED IN THE CONTRACT.

NOTE

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL

PAVEMENT MARKING
(MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
2-17-00
DATE
Chester J. Spong
CHIEF SIGNS AND MARKING ENGINEER
FHWA

S.D.D. 15 C 8-9a

S.D.D. 15 C 8-9a

GENERAL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY DISTRICT TRAFFIC UNIT.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

W20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION OF WORK IS LESS THAN 7 CONTINUOUS DAYS AND NIGHTS.

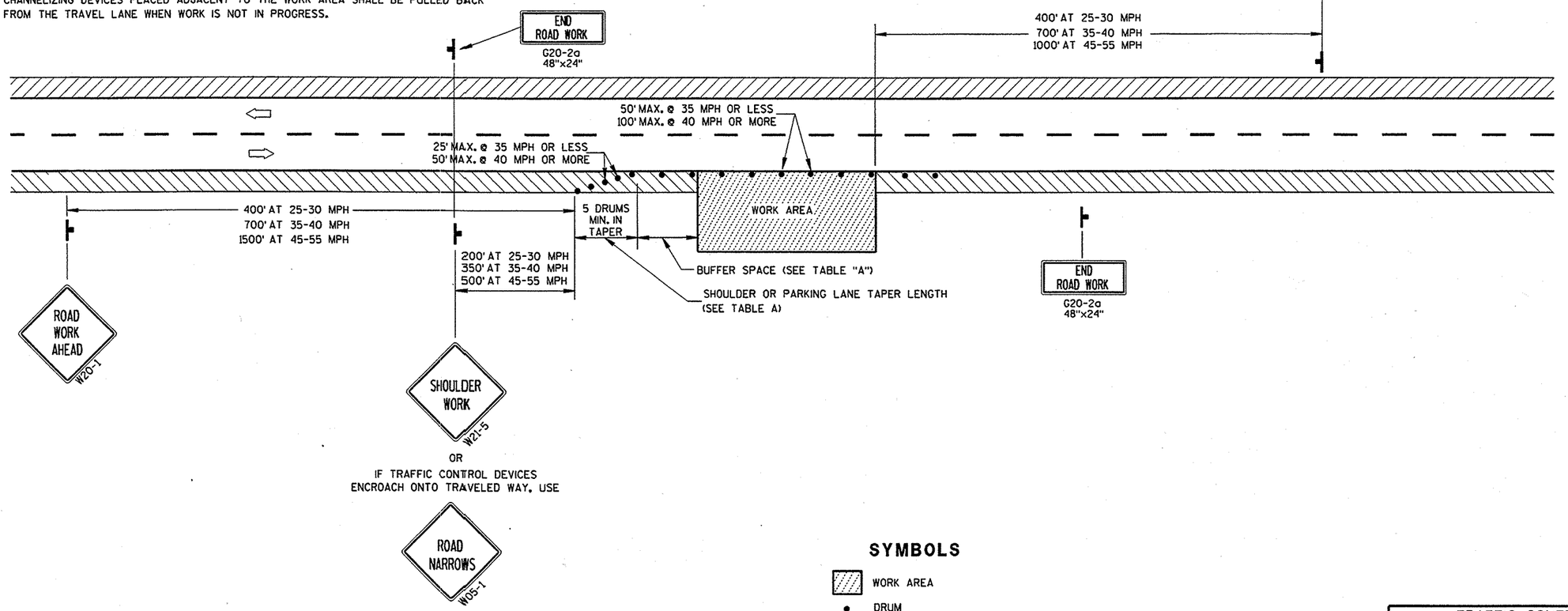
CHANNELIZING DEVICES PLACED ADJACENT TO THE WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

TABLE A

S \ W	SHOULDER TAPER LENGTH (FEET) 4	6	8	10	BUFFER SPACE (FEET)
30	20	30	40	50	85
35	30	45	55	70	120
40	40	55	75	90	170
45	60	90	120	150	220
50	70	100	135	170	280
55	75	110	150	185	335

W = SHOULDER WIDTH (FEET)
S = NON-CONSTRUCTION SPEED LIMIT (MPH)

SHOULDER TAPER LENGTH
$= \frac{WS}{3}$ AT 45 MPH OR GREATER
$= \frac{WS^2}{180}$ AT 40 MPH OR LESS



SYMBOLS

- WORK AREA
- DRUM
- POST MOUNTED SIGN
- DIRECTION OF TRAFFIC FLOW

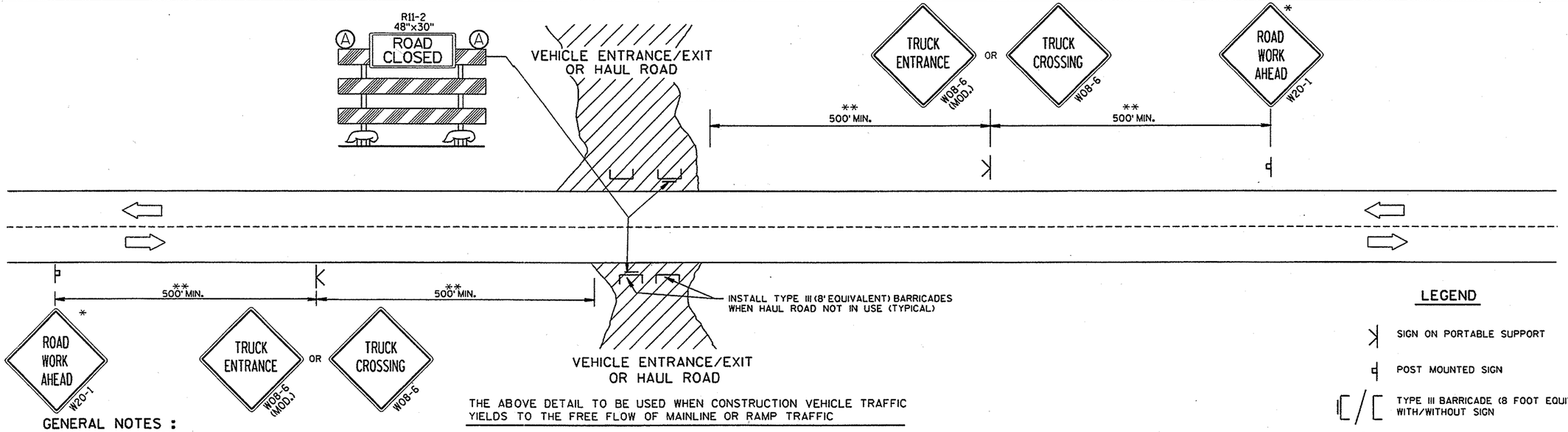
TRAFFIC CONTROL,
WORK ON SHOULDER OR PARKING LANE.
UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
5/23/00 DATE
Chester J. Sparks
CHIEF SIGNS AND MARKING ENGINNEER
FHWA

S.D.D. 15 D 28-1

S.D.D. 15 D 28-1



THE ABOVE DETAIL TO BE USED WHEN CONSTRUCTION VEHICLE TRAFFIC YIELDS TO THE FREE FLOW OF MAINLINE OR RAMP TRAFFIC

GENERAL NOTES :

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES (AND THE LOCATION OF ALL FLAGGERS) SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

WHEN ACTIVITY REFLECTED BY THE SIGN IS NOT CURRENTLY TAKING PLACE, THE HIGHWAY SHALL BE RESTORED TO NORMAL CONDITION AND THE SIGNS SHALL BE REMOVED, COVERED OR TURNED AWAY FROM TRAFFIC.

WHEN A SIDE ROAD OR RAMP INTERSECTS WITHIN THE ADVANCE SIGNING AREA, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

* THESE SIGNS ARE TO BE USED ONLY WHEN VEHICLE ENTRANCE/EXIT CONDITIONS ARE SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA OR SIGNING OR AS ORDERED BY THE ENGINEER.

** 500' SHOWN IS FOR ROADWAYS WITH A NON-CONSTRUCTION REGULATORY SPEED LIMIT OF 45 MPH OR MORE. FOR 35-40 MPH, USE 350'. FOR 25-30 MPH, USE 200'.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

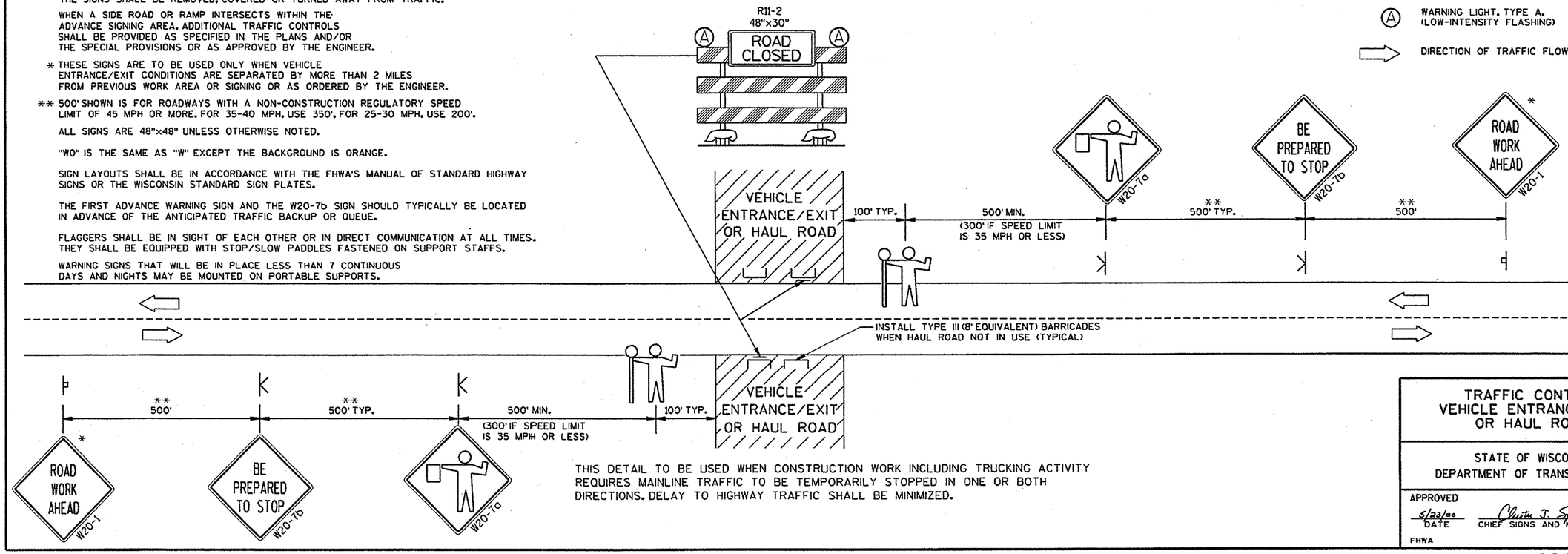
THE FIRST ADVANCE WARNING SIGN AND THE W20-7b SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS.

WARNING SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

LEGEND

- SIGN ON PORTABLE SUPPORT
- POST MOUNTED SIGN
- TYPE III BARRICADE (8 FOOT EQUIVALENT) WITH/WITHOUT SIGN
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- (A) WARNING LIGHT, TYPE A, (LOW-INTENSITY FLASHING)
- DIRECTION OF TRAFFIC FLOW



THIS DETAIL TO BE USED WHEN CONSTRUCTION WORK INCLUDING TRUCKING ACTIVITY REQUIRES MAINLINE TRAFFIC TO BE TEMPORARILY STOPPED IN ONE OR BOTH DIRECTIONS. DELAY TO HIGHWAY TRAFFIC SHALL BE MINIMIZED.

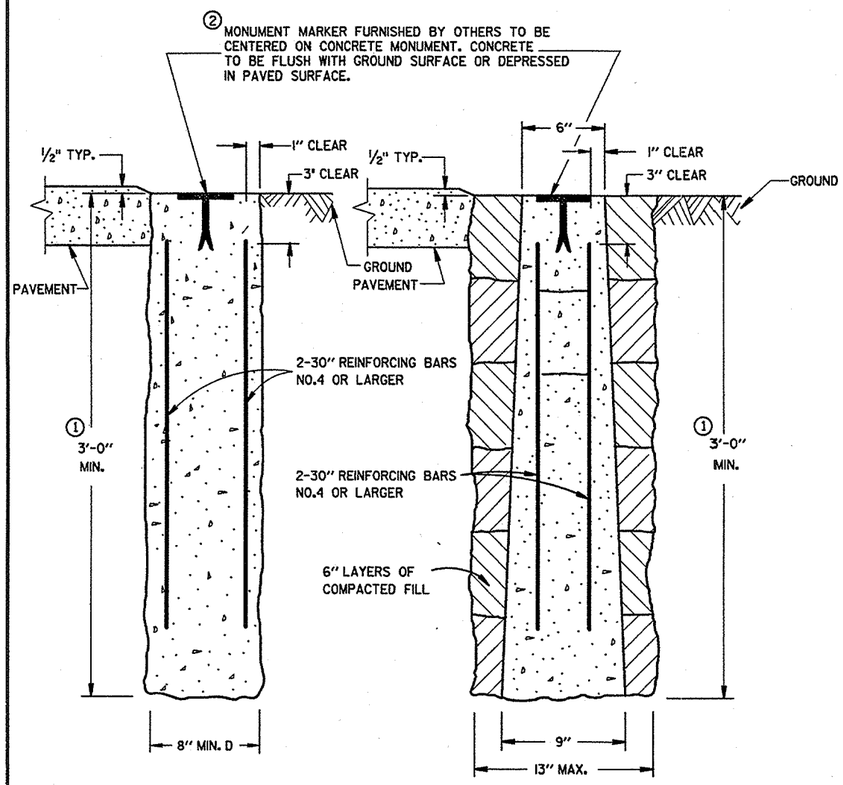
TRAFFIC CONTROL, VEHICLE ENTRANCE/EXIT OR HAUL ROAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
5/22/00 DATE
Chester J. Spang
CHIEF SIGNS AND MARKING ENGINEER
FHWA

S.D.D. 15 D 29-1

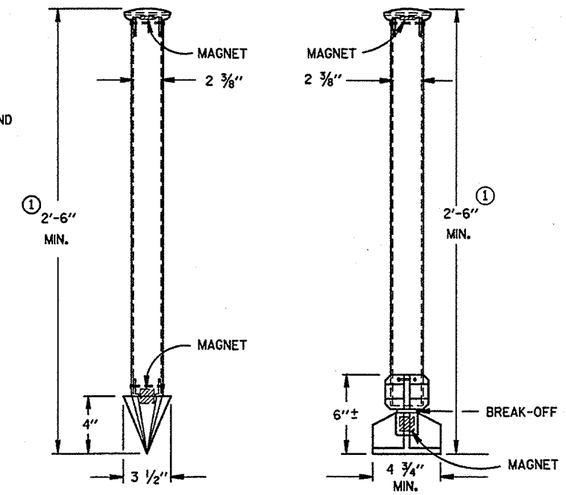
S.D.D. 15 D 29-1



CAST-IN-PLACE PRECAST

CONCRETE MONUMENTS

TYPE A



TYPE C TYPE D

DRIVE-IN MONUMENT BREAK-OFF MONUMENT

ALUMINUM MONUMENTS

(INCLUDES MARKER)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETAILED DRAWINGS OF PROPOSED ALTERNATE DESIGNS FOR METAL MONUMENTS OR MONUMENT COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

INSTALLED METAL MONUMENTS MUST BE EASILY DETECTED WITH A DIP NEEDLE. INSERT PERMANENT MAGNETS SHALL BE ATTACHED NEAR THE TOP AND BOTTOM OF THOSE MONUMENTS CONSTRUCTED OF A METAL ALLOY WHICH IS NOT ATTRACTIVE TO A DIP NEEDLE.

THE CAST IRON MONUMENT COVER SHALL BE A "NON-ROCKING" TYPE. ADJUSTMENT OF THE COVER TO GRADE MAY BE ACCOMPLISHED BY THE USE OF MORTAR AND BRICK, OR BY EITHER PRECAST OR CAST-IN-PLACE REINFORCED CONCRETE GRADE RINGS.

MONUMENTS SHALL BE LOCATED AND PLACED AT THE DIRECTION OF THE ENGINEER.

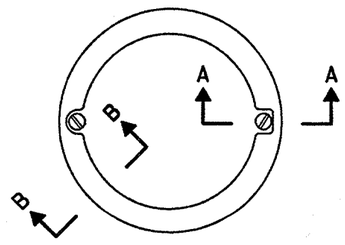
ALUMINUM MONUMENTS AND MONUMENT COVERS SHALL BE MADE FROM AN ALUMINUM AND MAGNESIUM ALLOY AS DETERMINED BY THE MANUFACTURER.

THE MONUMENT COVERS DETAILED ON THIS DRAWING ARE NOT EQUAL ALTERNATES. MONUMENT COVERS SHALL BE CAST IRON UNLESS ALUMINUM IS SPECIFIED ELSEWHERE IN THE CONTRACT.

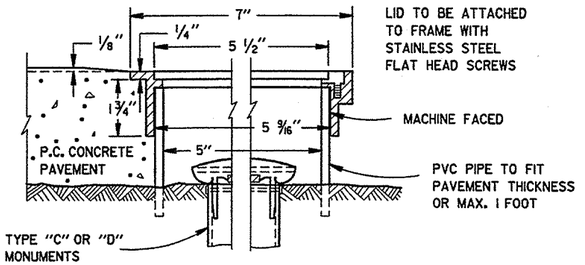
MONUMENT SHALL BE CAST-IN-PLACE CONCRETE UNLESS PRECAST CONCRETE OR ALUMINUM MONUMENTS ARE SPECIFIED IN THE CONTRACT OR PERMITTED BY THE ENGINEER.

① MINIMUM LENGTH SHALL BE 4'-0" FOR MONUMENTS INSTALLED IN PAVED AREAS.

② AN OFFICIAL COUNTY MONUMENT MARKER SUPPLIED BY A COUNTY MAY BE REQUIRED FOR SOME SECTION CORNERS AND WITNESS MONUMENTS INSTEAD OF THIS WIS DOT MARKER.



TOP VIEW

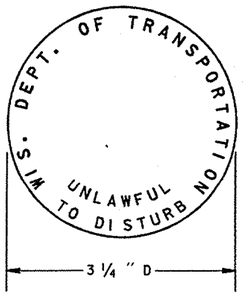


SECTION B-B SECTION A-A

ALUMINUM MONUMENT COVER

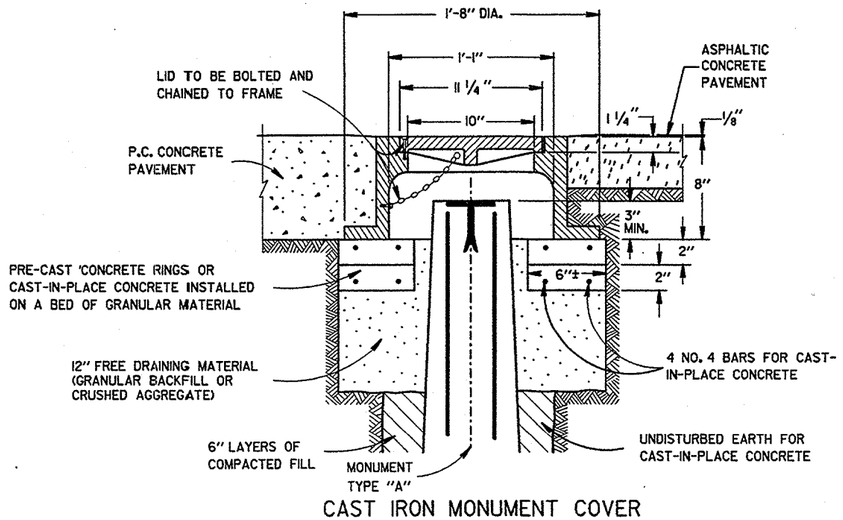
(APPROXIMATE WEIGHT 2 LBS)

(FOR CONCRETE PAVEMENT ONLY)



②WIS DOT MONUMENT MARKER LOGO

FOR TYPES "A", "C" & "D"



CAST IRON MONUMENT COVER

(APPROXIMATE WEIGHT - 95 LBS.)

LANDMARK REFERENCE MONUMENTS AND COVERS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

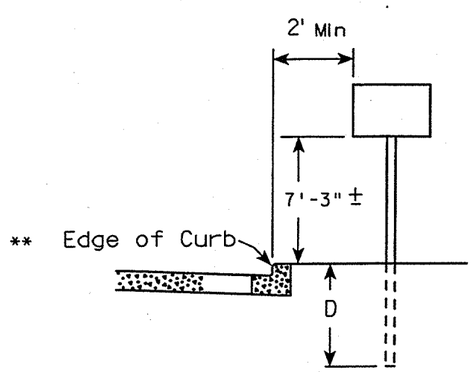
APPROVED 9/22/99 DATE
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

S.D.D. 16 A 1-6

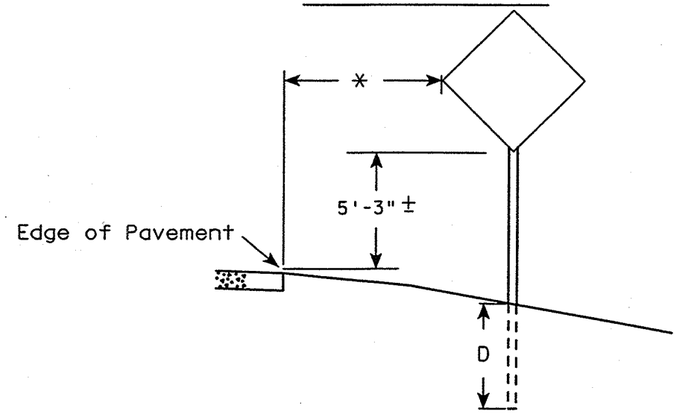
S.D.D. 16 A 1-6

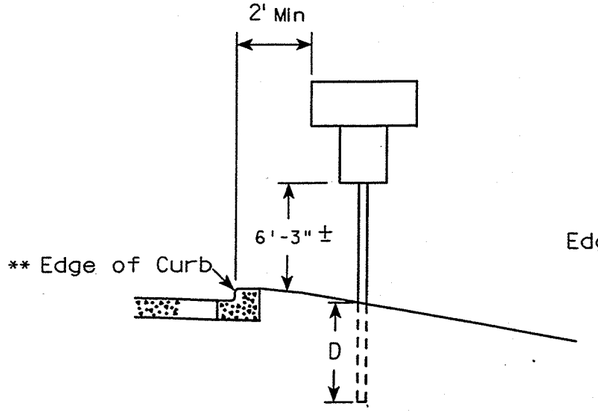
STATE PROJECT NUMBER	SHEET NO.
6200-05-71	7.1

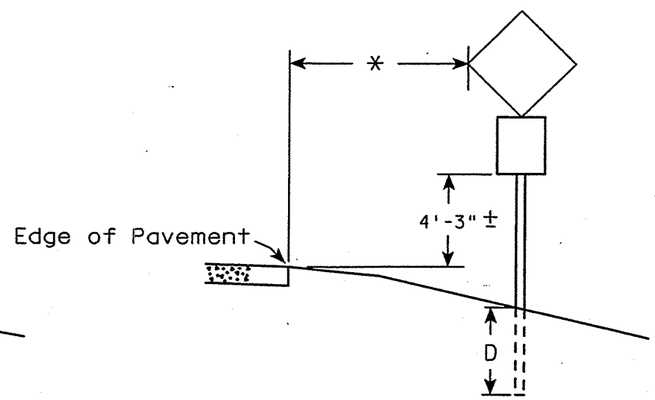
URBAN AREA



RURAL AREA (See Note 2)







GENERAL NOTES

1. Sign assemblies wider than 4 feet or larger than 20 sq. ft. shall be mounted on multiple posts. See plate A4-4 for typical installations.
2. For expressway and freeways installations, the minimum mounting height is 7'-3" ± or 6'-3" ± depending upon the existance of a sub-sign.
3. For Route Marker assemblies or J panels, the minimum mounting height is 7'- 3" ± or 5'- 3" ± depending upon urban/rural area.
4. The (±) tolerance for the mounting height is 3 inches.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

** The existance of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically where there is sidewalk adjacent to the roadway or parking is permitted.

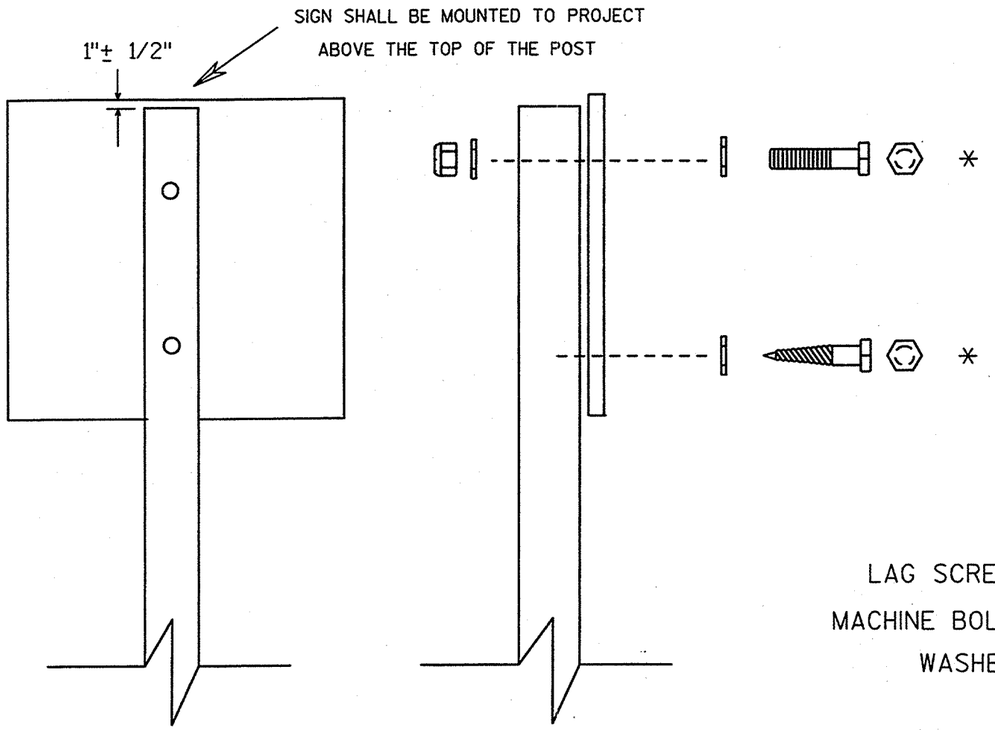
* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edgeline location), whichever is greater unless directed by project engineer.

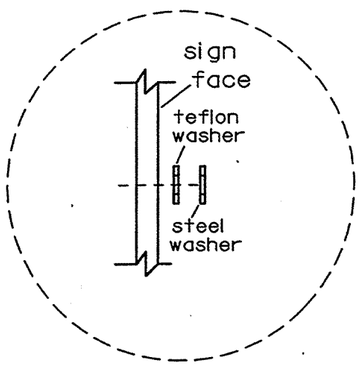
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang for State Traffic Engineer

DATE 05/12/98 PLATE NO. A4-3.11





Washer Placement when Sign Has Type H Face

Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D, or
b. Cadmium plated in accordance with ASTM Designation : B 766 TYPE 3, Class 12, or
c. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

LAG SCREWS - 3/8" X 3"

MACHINE BOLTS - 5/16" X 6-1/2" or 7" Length w/ nuts

WASHERS - 1" O.D. X 3/8" I.D. X 1/16" STEEL for signs 24x24 and smaller.
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL for signs 24x30 to 36x48.
1-1/2" O.D. X 7/16" I.D. X 1/16" STEEL for signs 48x48 and larger.
1-1/4" O.D. X 3/8" I.D. X .080 TEFLON for all Type H signs.

* Two different fastening systems are shown for illustration purposes only. On any individual sign, either one or the other system shall be used unless otherwise indicated in the special provisions.

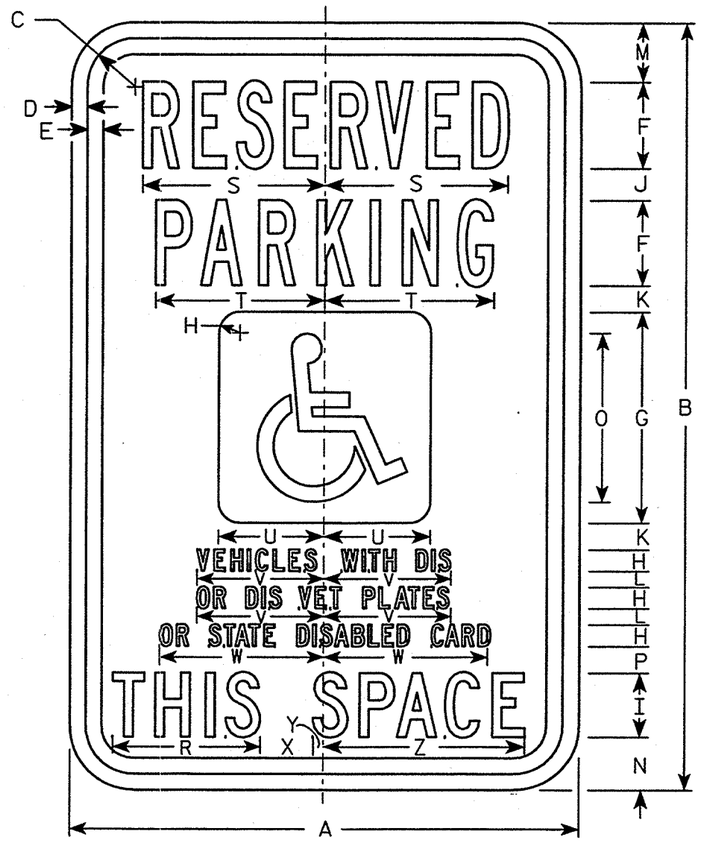
ATTACHMENT OF SIGNS TO WOOD POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spagg for State Traffic Engineer

DATE 4/3/96 PLATE NO. A4-8.3

STATE PROJECT NUMBER 6200-05-71 | SHEET NO. 7.3



R7-8A

NOTES

1. Sign is Type II - Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Sign is white; paraplegic background is blue.
   Message - Legend and border are green; paraplegic symbol is white
3. Message Series - Lines 1 & 2 are Series B
   Lines 3, 4, 5 & 6 are Series C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

Metric equivalent for this sign is:

SIZE	
1	
2	300 mm X 450 mm
3	450 mm X 600 mm
4	
5	

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	12	18	1 1/8	3/8	3/8	2	5	1/2	1 1/2	3/4	5/8	3/8	1 3/8	1 1/4	4	5/8		3 1/2	4 3/8	4	2 1/2	3	3 7/8	1 1/4	1/4	4 3/4	1.5	.14
3	18	24	1 1/8	3/8	1/2	3	6	3/4	2	7/8	5/8	1/2	1 7/8	2	5	3/4		4 5/8	6 1/2	5 3/8	3	4 1/2	5 7/8	1 1/2	1/4	6 3/8	3.0	.27
4																												
5																												

STANDARD SIGN
R7-8A

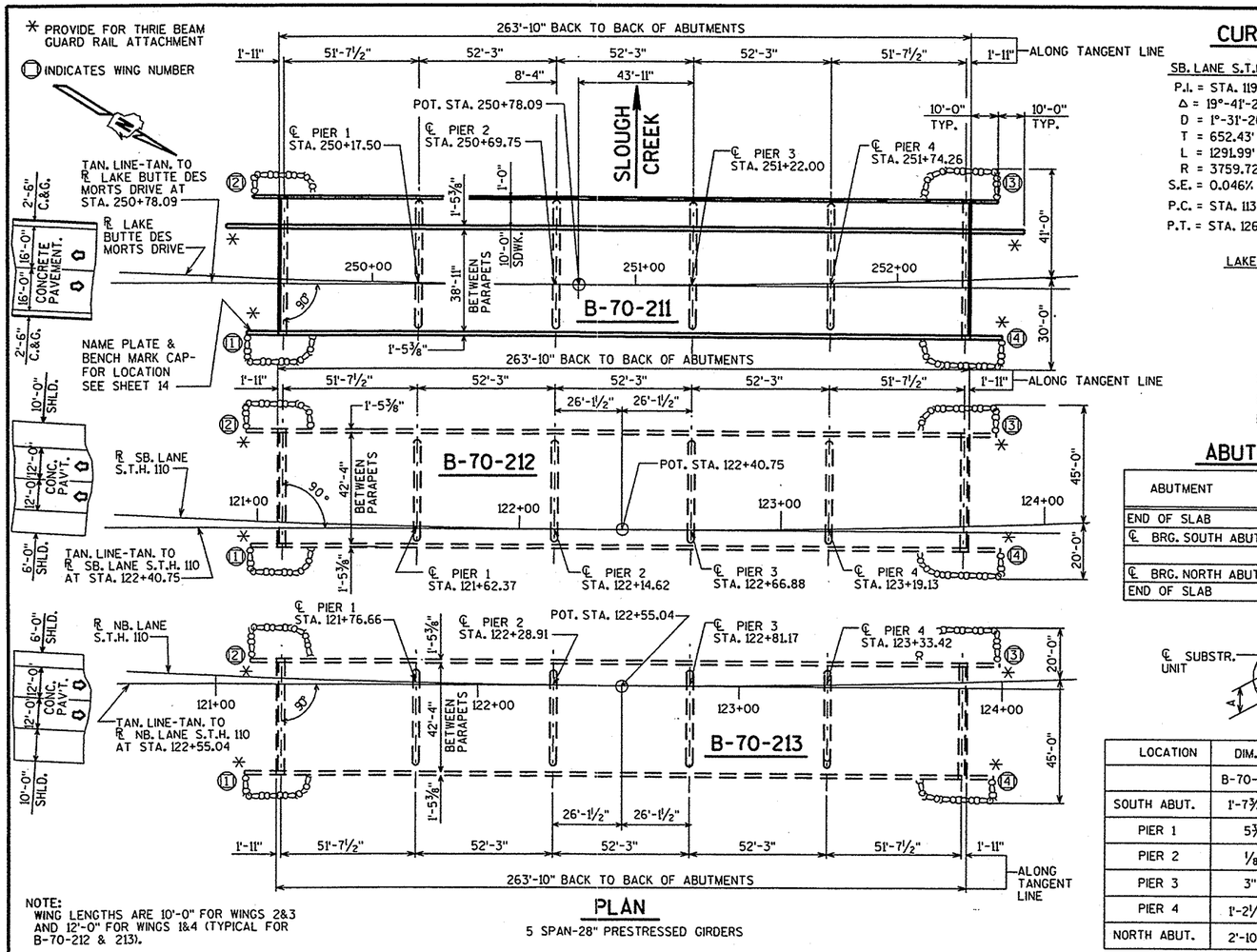
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang for State Traffic Engineer

DATE 2/8/99 PLATE NO. R7-8A.4

DISTRICT CONTACT: TOM BUCHHOLZ TYPE CODE = X081

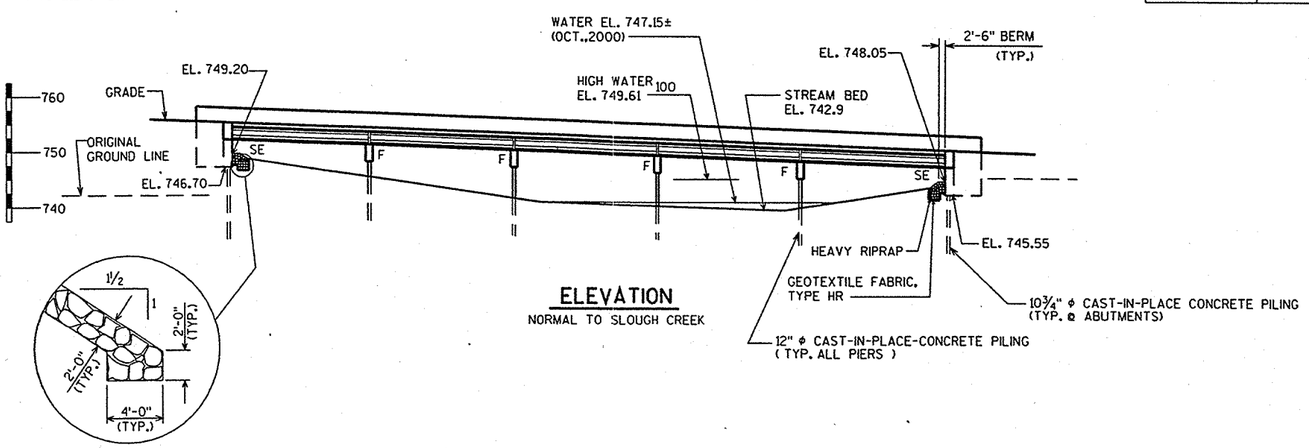
STATE PROJECT NUMBER	SHEET NO.
6200-05-71	8.1



PLAN

5 SPAN-28" PRESTRESSED GIRDERS

NOTE:
WING LENGTHS ARE 10'-0" FOR WINGS 2&3 AND 12'-0" FOR WINGS 1&4 (TYPICAL FOR B-70-212 & 213).



ELEVATION

NORMAL TO SLOUGH CREEK

CURVE DATA

SB. LANE S.T.H. 110	NB. LANE S.T.H. 110
P.I. = STA. 119+98.07	P.I. = STA. 120+08.48
Δ = 19°-41'-20.8"	Δ = 19°-41'-20.8"
D = 1°-31'-26.2"	D = 1°-30'-00"
T = 652.43'	T = 662.84'
L = 1291.99'	L = 1312.61'
R = 3759.72'	R = 3819.72'
S.E. = 0.046%	S.E. = 0.046%
P.C. = STA. 113+45.64	P.C. = STA. 113+45.64
P.T. = STA. 126+37.63	P.T. = STA. 126+58.25

LAKE BUTTE DES MORTS DRIVE

P.I. = STA. 248+91.80
Δ = 21°-26'-22.5"
D = 1°-30'-00"
T = 723.11'
L = 1429.31'
R = 3819.72'
S.E. = N.C.
P.C. = STA. 241+68.69
P.T. = STA. 255+97.99

ABUTMENT STATIONS

ABUTMENT	B-70-211 STATION	B-70-212 STATION	B-70-213 STATION
END OF SLAB	249+64.61	121+09.47	121+23.76
℄ BRG. SOUTH ABUT.	249+65.86	121+10.72	121+25.01
℄ BRG. NORTH ABUT.	252+25.92	123+70.78	123+85.07
END OF SLAB	252+27.17	123+72.03	123+86.32

LOCATION	DIM. A (ALONG ℄ SUBSTR. UNIT)		
	B-70-211	B-70-212	B-70-213
SOUTH ABUT.	1'-7¾"	2'-3"'	2'-2½"
PIER 1	5¾"	9¾"	9⅝"
PIER 2	⅛"	1⅛"	1⅛"
PIER 3	3"	1⅛"	1⅛"
PIER 4	1'-2½"	9¾"	9⅝"
NORTH ABUT.	2'-10⅜"	2'-3"	2'-2½"

DESIGN DATA

LIVE LOAD:

DESIGN RATING; HS-20
INVENTORY RATING; HS-21
OPERATIONAL RATING; HS-38
MAXIMUM STANDARD PERMIT VEHICLE LOAD = 250 KIPS.

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

ULTIMATE DESIGN STRESSES:

CONCRETE MASONRY SLAB — f'c = 4,000 P.S.I. ALL OTHER — f'c = 3,500 P.S.I.
BAR STEEL REINFORCEMENT, GRADE 60 — fy = 60,000 P.S.I.
28" PRESTRESSED GIRDERS, CONCRETE MASONRY — f'c = 7,500 P.S.I.
STRANDS- 0.6 " ϕ WITH ULTIMATE TENSILE STRENGTH OF 270,000 P.S.I.

FOUNDATION DATA

ABUTMENTS TO BE SUPPORTED ON 10¾"CAST-IN-PLACE CONCRETE PILING DRIVEN TO A MINIMUM BEARING VALUE OF 55 TONS PER PILE. ESTIMATED 65'-0" LONG.

PIER TO BE SUPPORTED ON 12" ϕ CAST-IN-PLACE-CONCRETE PILING DRIVEN TO A MINIMUM BEARING VALUE OF 55 TONS PER PILE. ESTIMATED 60'-0" LONG. (0.375" MIN. WALL THICKNESS IS REQ'D FOR ALL PIER PILING.)

HYDRAULIC DATA

100 YEAR FREQUENCY

Q_{100} =2,800 C.F.S.
VEL. = 3.9 F.P.S.
HW.= EL. 749.6
WATERWAY AREA= 724.4 SQ. FT.
DRAINAGE AREA= 8.4 SQ. MI.
ROAD OVERTOPPING = NA
SCOUR CRITICAL CODE = 5

TRAFFIC VOLUME

LAKE BUTTE DES MORTS DRIVE
A.D.T.=2,200 (2023)
R.D.S.=35 M.P.H.

LIST OF DRAWINGS

1. GENERAL PLAN
2. CROSS SECTION & QUANTITIES
3. SUBSURFACE EXPLORATION
4. SOUTH ABUTMENT
5. SOUTH ABUTMENT DETAILS
6. NORTH ABUTMENT
7. NORTH ABUTMENT DETAILS
8. PIERS 1 THRU 4
9. 28" PRESTRESSED GIRDER DETAILS
10. STEEL DIAPHRAGM
11. SUPERSRUCTURE
12. SUPERSTUCTURE DETAILS
13. SLOPE FACE PARAPET 'LF' (WEST SIDE)
14. SLOPE FACE PARAPET 'LF' (EAST SIDE)
15. FENCING DETAILS

BRIDGE OFFICE CONTACTS :
KENT BAHLER (608) 266-8490
MIKE WILLIAMS (608) 266-5089

NO.	DATE	REVISION	BY

Plans Prepared By **WISDOT**
STRUCTURES DESIGN

STRUCTURE B-70-211

LAKE BUTTE DES MORTS DRIVE OVER SLOUGH CREEK

COUNTY	TOWN ~~CITY/VILLAGE~~	
WINNEBAGO	OSHKOSH	
DESIGN SPEC. AASHTO STD. SPEC. 1998	LOAD HS-20	CONST. SPEC. 1996
DESIGNED BY MGW / DESIGN CK'D. SDR	DRAWN BY CRJ	PLANS CK'D. MGW

APPROVED J.H. Anderson 11-13-01
CHIEF STRUCTURAL DESIGN ENGINEER — DATE

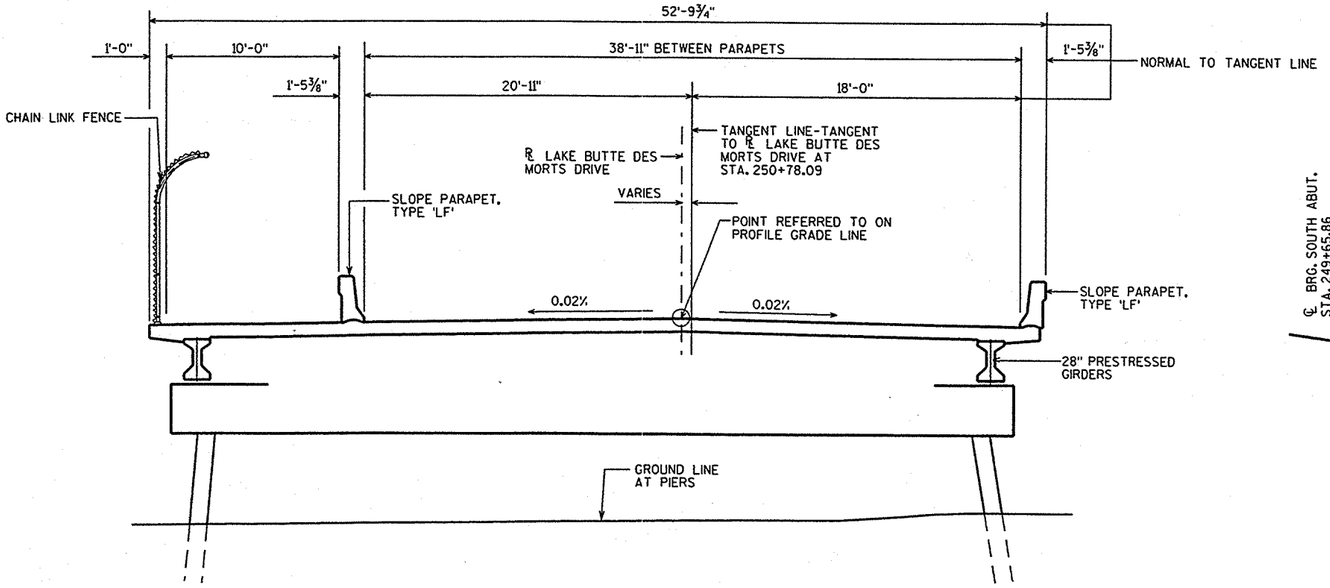
GENERAL PLAN

SHEET 1 OF 15
DATE: JULY '01

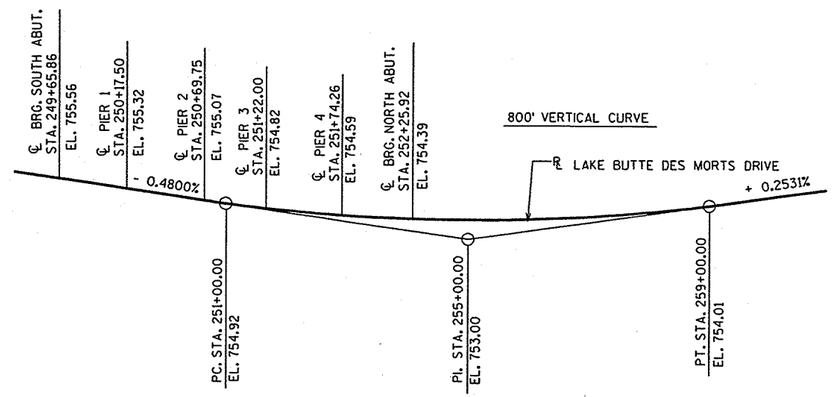
FILE= GEN1.DGN
SCALE = 25

I.D. 6200-05-03A

STATE PROJECT NUMBER	SHEET NO.
6200-05-71	8.2



CROSS SECTION THRU ROADWAY LOOKING NORTH



PROFILE GRADE LINE LAKE BUTTE DES MORTS DRIVE

TOTAL ESTIMATED QUANTITIES

BID ITEMS	UNIT	SUPER.	SOUTH ABUT.	NORTH ABUT.	PIER 1	PIER 2	PIER 3	PIER 4	TOTALS
EXCAVATION FOR STRUCTURES, BRIDGES, B-70-211	L.S.	—	—	—	—	—	—	—	1
STRUCTURE BACKFILL	C.Y.	—	160	160	—	—	—	—	320
CONCRETE MASONRY, BRIDGES	C.Y.	486	54	54	19	19	19	19	670
PROTECTIVE SURFACE TREATMENT	S.Y.	1,800	—	—	—	—	—	—	1,800
PRESTRESSED GIRDER, I TYPE, 28-INCH	L.F.	1,820	—	—	—	—	—	—	1,820
HIGH-STRENGTH BAR STEEL REINFORCEMENT, BRIDGES	LB.	—	3,190	3,190	5,070	5070	5,070	5,070	26,660
COATED HIGH-STRENGTH BAR STEEL REINFORCEMENT, BRIDGES	LB.	103,370	1,650	1,650	—	—	—	—	106,670
NON-LAMINATED ELASTOMERIC BEARING PADS	EACH	42	—	—	—	—	—	—	42
STEEL DIAPHRAGMS, STRUCTURE B-70-211	EACH	30	—	—	—	—	—	—	30
CAST-IN-PLACE CONCRETE PILING, DELIVERED AND DRIVEN, 10¾-INCH	L.F.	—	520	520	—	—	—	—	1040
CAST-IN-PLACE CONCRETE PILING, DELIVERED AND DRIVEN, 12-INCH	L.F.	—	—	—	540	540	540	540	2,160
RUBBERIZED MEMBRANE WATERPROOFING	S.Y.	—	14	14	—	—	—	—	28
HEAVY RIPRAP	C.Y.	—	65	65	—	—	—	—	130
PIPE UNDERDRAIN, 6-INCH	L.F.	—	70	70	—	—	—	—	140
PIPE UNDERDRAIN, UNPERFORATED, 6-INCH	L.F.	—	20	20	—	—	—	—	40
GEOTEXTILE FABRIC, TYPE DF	S.Y.	—	50	50	—	—	—	—	100
GEOTEXTILE FABRIC, TYPE HR	S.Y.	—	110	110	—	—	—	—	220
ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	4							4
OMP, READY MIXED CONCRETE MASONRY FOR BRIDGES	C.Y.	486	54	54	19	19	19	19	670
OMP, MASONRY STRENGTH INCENTIVE, READY-MIXED CONCRETE	DOL.	—	—	—	—	—	—	—	6,700
CHAIN LINK FENCE 10 FOOT	L.F.	284	—	—	—	—	—	—	284
NON-BID ITEMS									
FILLER	SIZE	—	—	—	—	—	—	—	½" & ¾"

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.

AT THE BACKFACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE IN PLACE BEFORE ABUTMENT CONSTRUCTION AND NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

AT ABUTMENTS , CONCRETE POURED UNDER WATER WILL BE ALLOWED AND SHALL BE DONE IN ACCORDANCE WITH SECTION 502.3.6.3 OF THE STANDARD SPECIFICATIONS.

THE GRADATION OF THE STRUCTURE BACKFILL SHALL MEET THE REQUIREMENTS OF SECTION 209.2.2 OF THE STANDARD SPECIFICATIONS FOR GRADE 1 MATERIAL.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-211

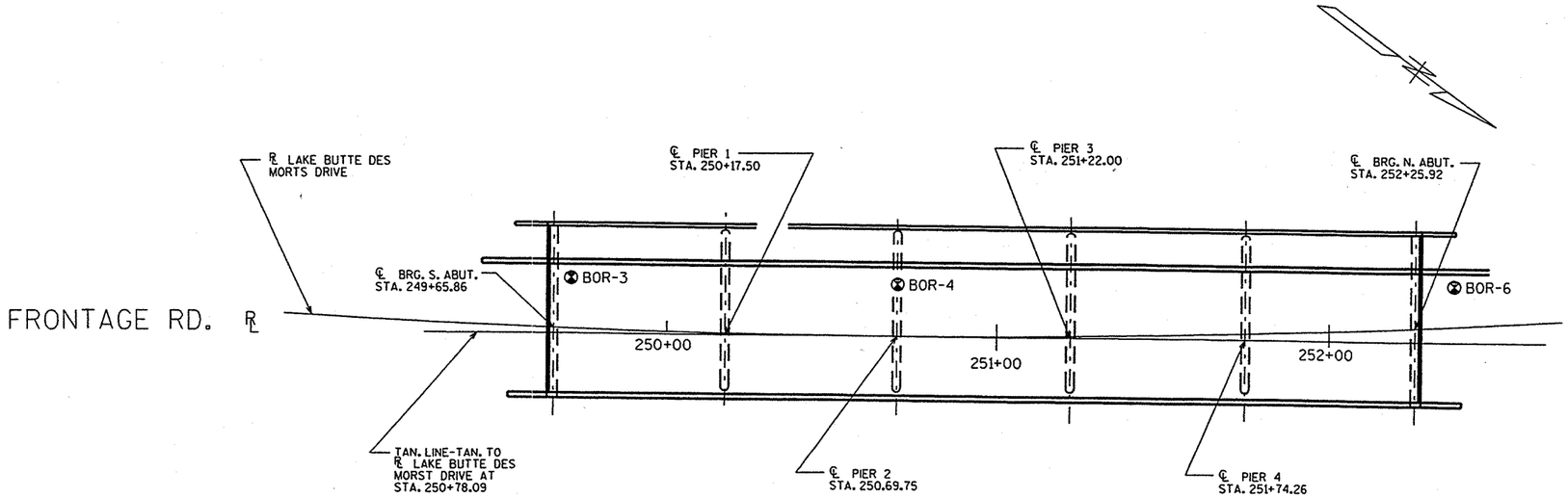
CONST. SPEC.	1996	DRAWN BY	CRJ	PLANS CK'D.	MGW

CROSS SECTION & QUANTITIES

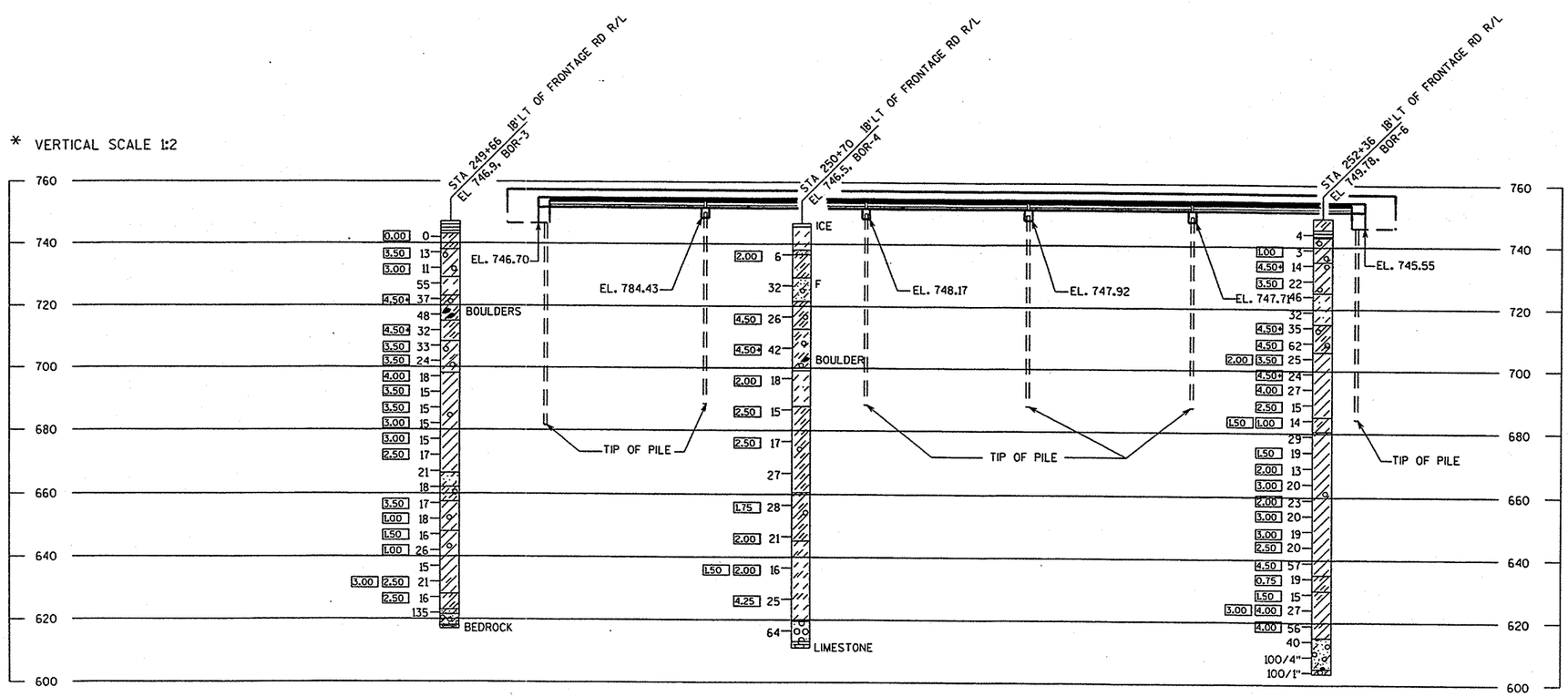
SHEET 2

FILE= GEN2.DGN
SCALE = 4

STH 110 OVER SLOUGH CREEK
USH 41 TO STH 116, WINNEBAGO COUNTY



* VERTICAL SCALE 1:2

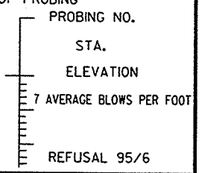


STATE PROJECT NUMBER	SHEET NO.
6200-05-71	8.3

ABBREVIATIONS
F—FINE M—MEDIUM C—COARSE
WS—WEATHERED SO—SOUND

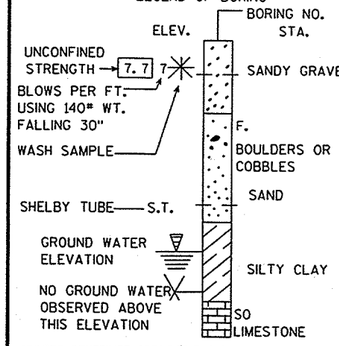
MATERIAL SYMBOLS
TOPSOIL, SILT, SANDSTONE, SAND, PEAT, LIMESTONE, GRAVEL, CLAY, IGNEOUS ROCK

LEGEND OF PROBING



95/6=95 BLOWS FOR 6" PENETRATION
PROBING TAKEN WITH A 350#WT. FALLING 18" ON A 2" O.D. POINT.

LEGEND OF BORING



UNLESS OTHERWISE SPECIFIED, THE BLOWS PER FOOT AT THE LOCATIONS INDICATED ARE BASED ON DRIVING A O.D.X.L 4" I.D. SPLIT SPOON SAMPLER WITH A 140# HAMMER HAVING A FREE FALL OF 30". THE BLOW COUNT IS TAKEN IN UNDISTURBED SOIL IMMEDIATELY BELOW A CASED OR OPEN HOLE ELIMINATING SIDE FRICTION ON THE DRIVE PIPE.

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

TO OBTAIN RELATIVE DATA CONCERNING THE CHARACTER OF MATERIAL IN AND UPON WHICH THE FOUNDATION MIGHT BE BUILT, BORINGS AND/OR SOUNDINGS WERE MADE AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING. THE DATA PRESENTED HEREIN REPRESENTS THE FINDINGS OF THE SUBSURFACE EXPLORATIONS MADE. HOWEVER, BECAUSE THE DEPTHS INVESTIGATED ARE LIMITED AND THE AREA OF THE BORINGS AND/OR SOUNDINGS IS VERY SMALL IN RELATION TO THE ENTIRE AREA, THE DIVISION OF HIGHWAYS DOES NOT WARRANT CONDITIONS BELOW THE DEPTHS INVESTIGATED OR THAT THE CLASSIFICATION OF MATERIAL ENCOUNTERED IN THESE INVESTIGATIONS IS NECESSARILY TYPICAL OF THE ENTIRE SITE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-211

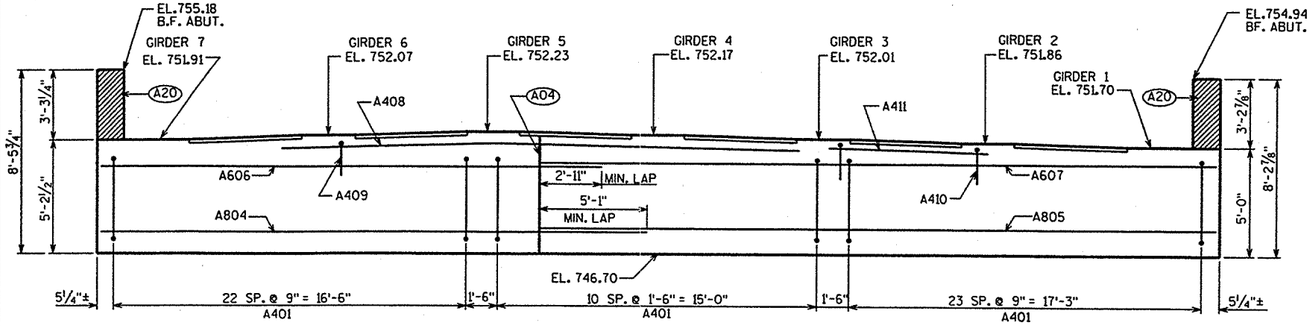
CONST. SPEC.	DRAWN BY	PLANS CK'D.
1996	CRJ	MGW

SUBSURFACE EXPLORATION

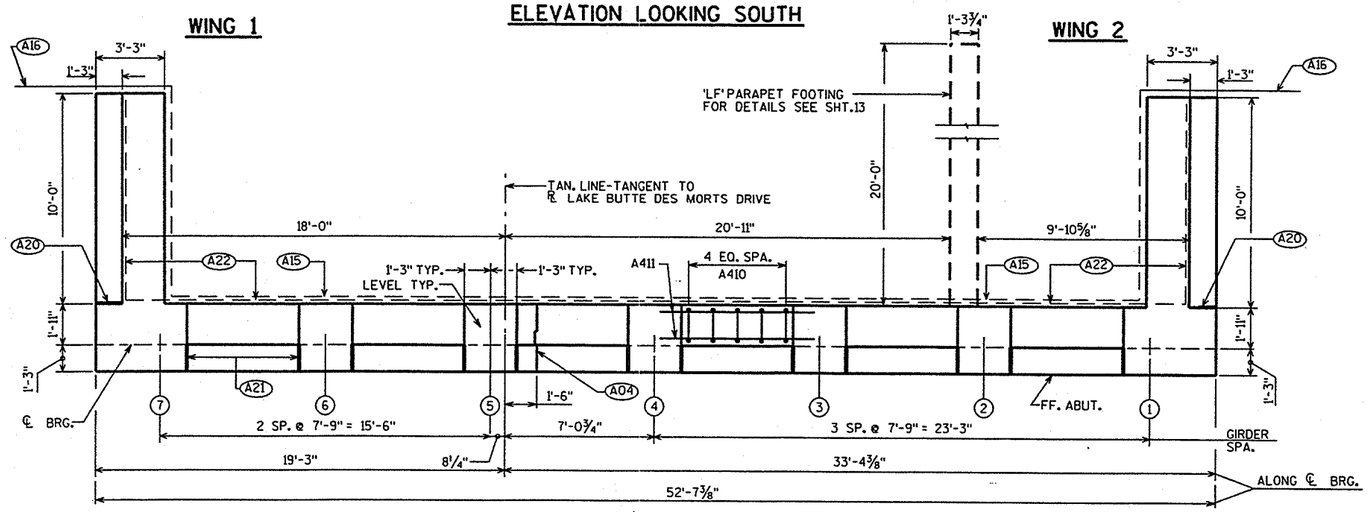
SHEET 3

FILE= 211SOILS.DGN
SCALE = 19.2

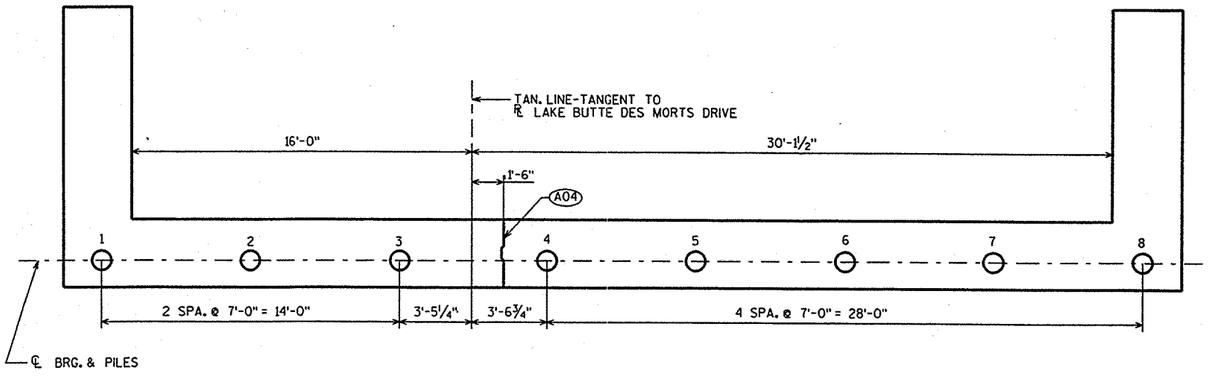
STATE PROJECT NUMBER	SHEET NO.
6200-05-71	8.4



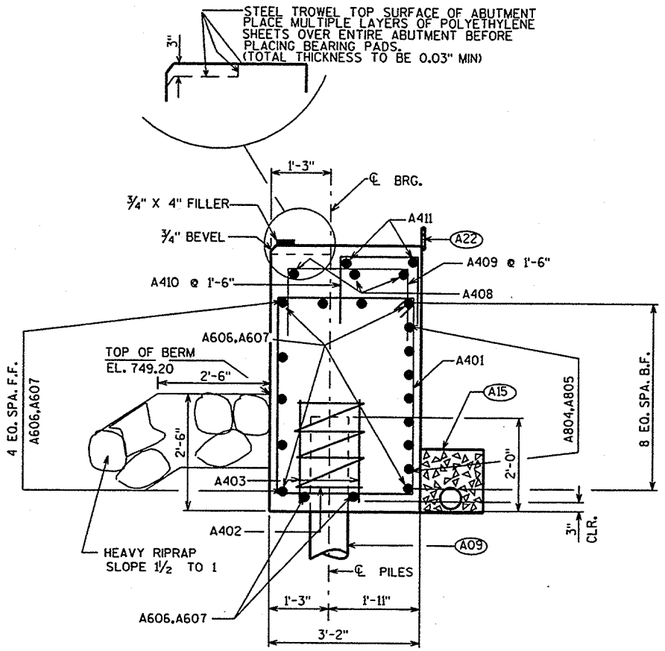
ELEVATION LOOKING SOUTH



PLAN



PILE PLAN



SECTION THRU BODY

(A04) VERT. CONSTRUCTION JOINT: KEYWAY FORMED BY A BEVELED 2 x 8. (3/4" "V" GROOVE @ THE FRONT FACE) (R.M.W. @ BACKFACE).

(A09) SUPPORT ABUTMENT ON 10¾" DIA. CAST-IN-PLACE CONCRETE PILING, ESTIMATED 65'-0" LONG, AND DRIVEN TO A MIN. BRG. VALUE OF 55 TONS PER PILE.

(A15) PIPE UNDERDRAINS, 6 INCH. SLOPE TO DRAIN. ENCLOSED IN 1'-6" X 1'-6" AREA OF SIZE 1 COARSE AGGREGATE (INCLUDED IN UNDERDRAIN BID ITEM) WRAPPED IN GEOTEXTILE FABRIC, TYPE DF.

(A16) PIPE UNDERDRAIN, 6 INCH, UNPERFORATED. TO SUITABLE DRAINAGE.

(A20) 1/2" FILLER (INCLUDED IN WING LENGTH):SEAL EXPOSED HORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(A21) 3/4" CORK UP VERT. FACES OF BEAM SEATS.

(A22) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

NO.	DATE	REVISION	BY

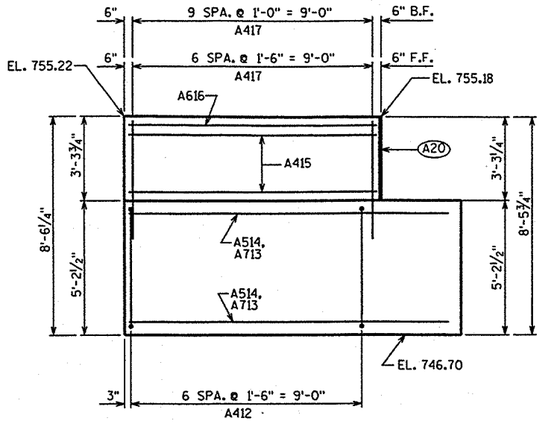
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-211

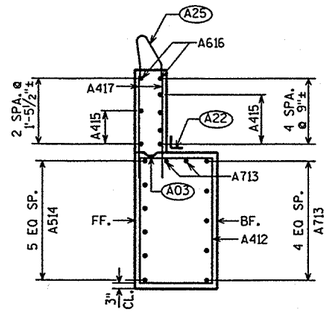
CONST. SPEC. 1996	DRAWN BY CRJ	PLANS CK'D. MGW

SOUTH ABUTMENT | SHEET 4

STATE PROJECT NUMBER	SHEET NO.
6200-05-71	8.5



WING 1 ELEVATION



WING 1 SECTION

(A03) OPTIONAL CONST. JOINT: KEYWAY FORMED BY BEVELED 2 × 6. (18" R.M.W. @ B.F. & 3/4" "V" GROOVE @ F.F. IF JOINT IS USED).

(A20) 1/2" FILLER (INCLUDED IN WING LENGTH):SEAL EXPOSED HORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

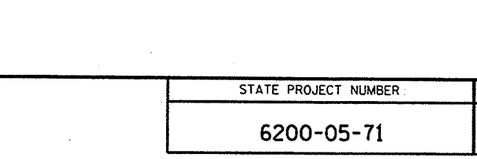
(A22) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

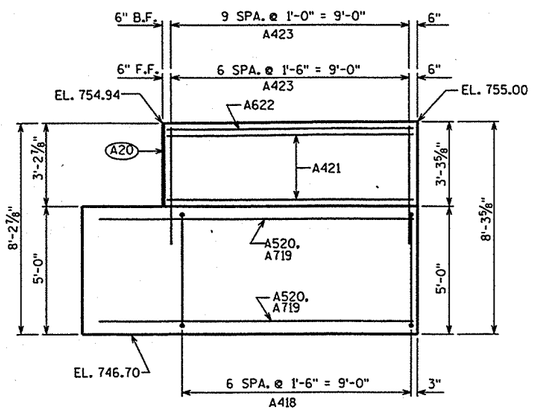
(A25) FOR PPT. BARS & DIMENSION SEE PARAPET SHT. 14

BILL OF BARS

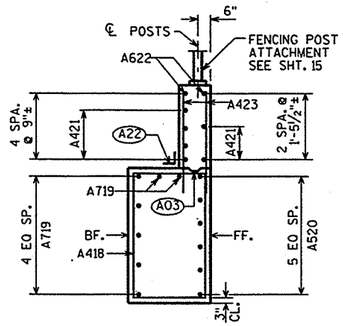
NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A401		58	14'-10"	X		BODY-STIRRUPS
A402		8	28'-0"	X		PILES-1 PER BODY PILE
A403		16	2'-3"			PILES-2PER BODY PILE
A804		7	25'-8"			BODY-HORIZ.-B.F.
A805		7	31'-9"			BODY-HORIZ.-B.F.
A606		11	23'-6"			BODY-HORIZ.
A607		11	31'-9"			BODY-HORIZ.
A408		3	24'-0"			BODY-HORIZ.-OVER GIRDERS 4-6
A409		17	5'-10"	X		BODY-VERT-OVER GIRDERS 4-6
A410		30	3'-11"	X		BODY-BTW.-BEAM SEATS-VERT.
A411		12	7'-3"			BODY-BTW.-BEAM SEATS-HORIZ.
A412	X	7	16'-0"	X		WING 1-STIRRUPS
A713	X	7	12'-8"			WING 1-HORIZ.-B.F.
A514	X	6	12'-10"			WING 1-HORIZ.-F.F.
A415	X	6	9'-8"			WING 1-HORIZ.-F.F.-B.F.
A616	X	2	9'-8"			WING 1-TOP-HORIZ.
A417	X	17	4'-8"			WING 1-VERT.-F.F.-B.F.
A418	X	7	15'-6"	X		WING 2-STIRRUPS
A719	X	7	12'-8"			WING 2-HORIZ.-B.F.
A520	X	6	12'-10"			WING 2-HORIZ.-F.F.
A421	X	6	9'-8"			WING 2-HORIZ.-F.F.-B.F.
A622	X	2	9'-8"			WING 2-TOP-HORIZ.
A423	X	17	4'-8"			WING 2-VERT.-F.F.-B.F.

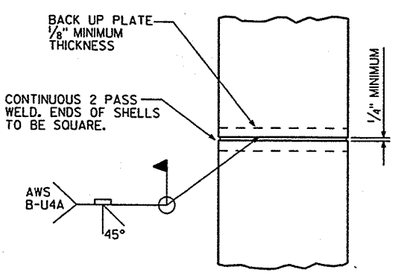




WING 2 ELEVATION



WING 2 SECTION



PILE SPLICE DETAIL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

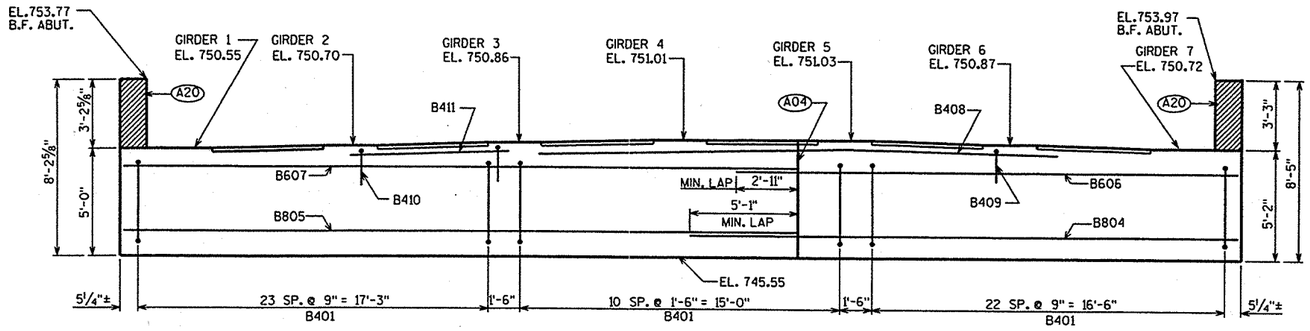
STRUCTURE B-70-211

CONST. SPEC. 1996	DRAWN BY CRJ	PLANS CK'D. MGW

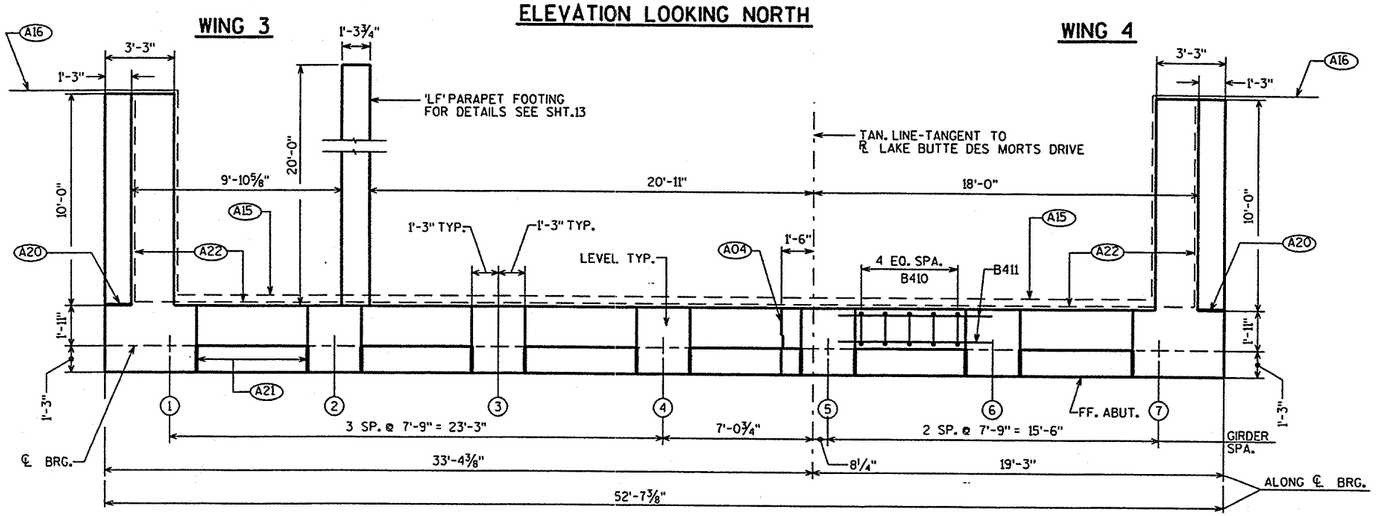
SOUTH ABUTMENT DETAILS

SHEET 5

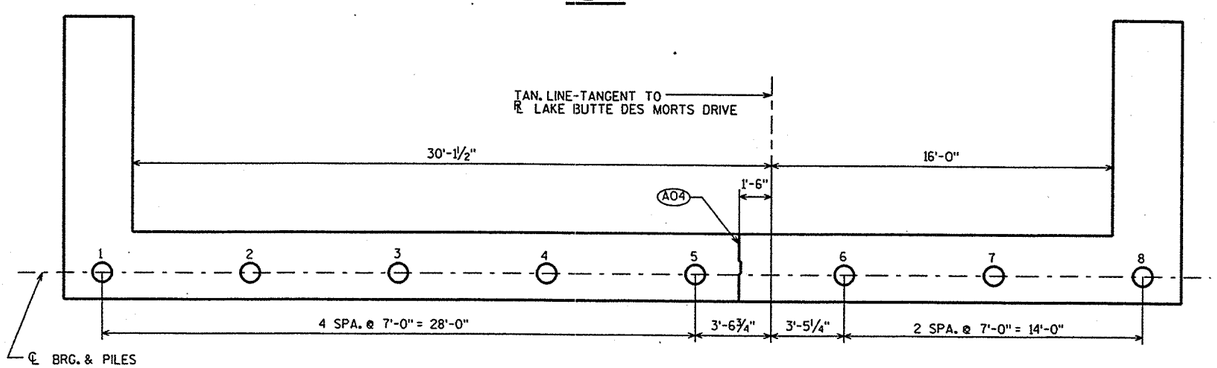
STATE PROJECT NUMBER	SHEET NO.
6200-05-71	8.6



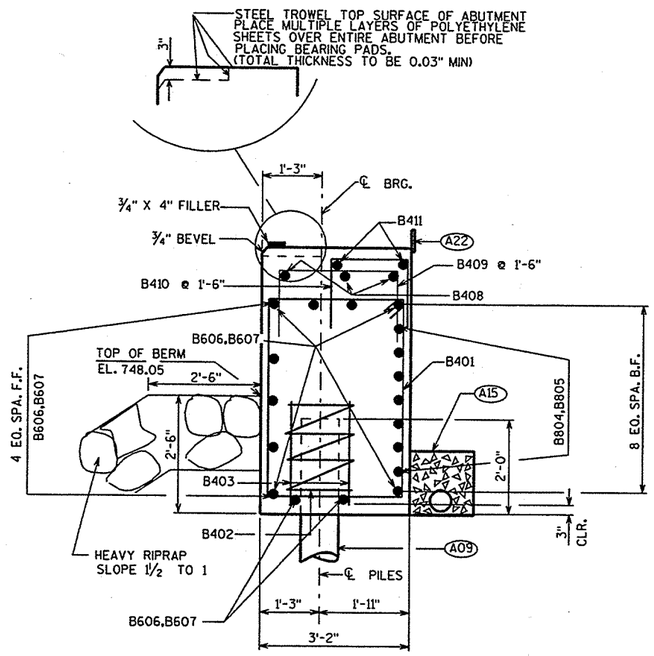
ELEVATION LOOKING NORTH



PLAN



PILE PLAN



SECTION THRU BODY

(A04) VERT. CONSTRUCTION JOINT: KEYWAY FORMED BY A BEVELED 2 x 8. (3/4" "V" GROOVE @ THE FRONT FACE) (R.M.W. @ BACKFACE).

(A09) SUPPORT ABUTMENT ON 10¾" DIA. CAST-IN-PLACE CONCRETE PILING, ESTIMATED 65'-0" LONG, AND DRIVEN TO A MIN. BRG. VALUE OF 55 TONS PER PILE.

(A15) PIPE UNDERDRAINS, 6 INCH, SLOPE TO DRAIN. ENCLOSED IN 1'-6" X 1'-6" AREA OF SIZE 1 COARSE AGGREGATE (INCLUDED IN UNDERDRAIN BID ITEM) WRAPPED IN GEOTEXTILE FABRIC, TYPE DF.

(A16) PIPE UNDERDRAIN, 6 INCH, UNPERFORATED. TO SUITABLE DRAINAGE.

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(A21) 3/4" CORK UP VERT. FACES OF BEAM SEATS.

(A22) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

NO.	DATE	REVISION	BY

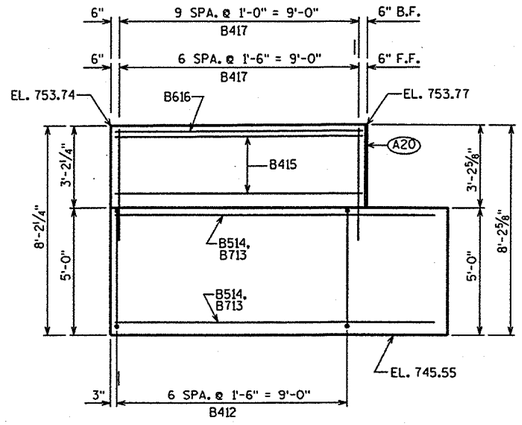
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-211

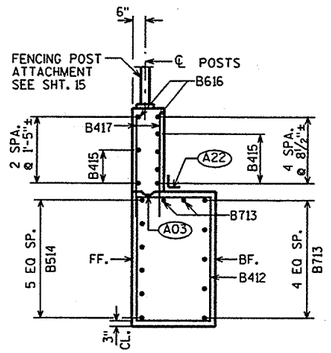
CONST. SPEC. 1996	DRAWN BY CRJ	PLANS CK'D. MGW

NORTH ABUTMENT | SHEET 6

STATE PROJECT NUMBER	SHEET NO.
6200-05-71	8.7



WING 3 ELEVATION



WING 3 SECTION

(A03) OPTIONAL CONST. JOINT: KEYWAY FORMED BY BEVELED 2 × 6. (18" R.M.W. @ B.F. & 3/4" "V" GROOVE @ F.F. IF JOINT IS USED).

(A20) 1/2" FILLER (INCLUDED IN WING LENGTH):SEAL EXPOSED HORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

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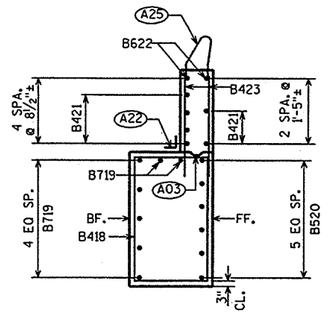
(A25) FOR PPT. BARS & DIMENSION SEE PARAPET SHT. 14

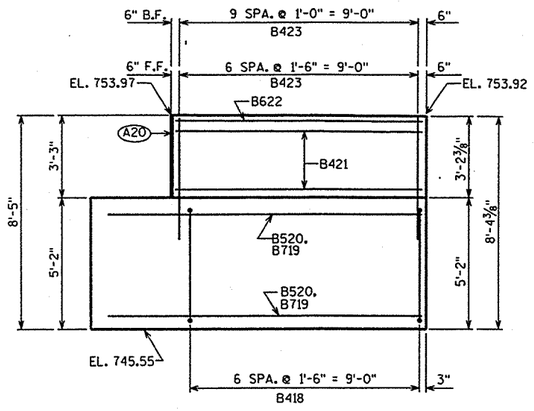
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

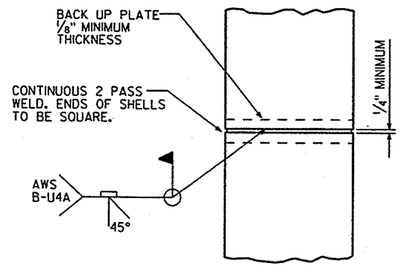
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
B401		58	14'-10	X		BODY-STIRRUPS
B402		8	28'-0"	X		PILES-1 PER BODY PILE
B403		16	2'-3"			PILES-2PER BODY PILE
B804		7	25'-8"			BODY-HORIZ.-B.F.
B805		7	31'-9"			BODY-HORIZ.-B.F.
B606		11	23'-6"			BODY-HORIZ.
B607		11	31'-9"			BODY-HORIZ.
B408		3	24'-0"			BODY-HORIZ.-OVER GIRDERS 4-6
B409		17	5'-10"	X		BODY-VERT-OVER GIRDERS 4-6
B410		30	3'-11"	X		BODY-BTW.-BEAM SEATS-VERT.
B411		12	7'-3"			BODY-BTW.-BEAM SEATS-HORIZ.
B412	X	7	15'-6"	X		WING 3-STIRRUPS
B713	X	7	12'-8"			WING 3-HORIZ.-B.F.
B514	X	6	12'-10"			WING 3-HORIZ.-F.F.
B415	X	6	9'-8"			WING 3-HORIZ.-F.F.-B.F.
B616	X	2	9'-8"			WING 3-TOP-HORIZ.
B417	X	17	4'-7"			WING 3-VERT.-F.F.-B.F.
B418	X	7	15'-10	X		WING 4-STIRRUPS
B719	X	7	12'-8"			WING 4-HORIZ.-B.F.
B520	X	6	12'-10"			WING 4-HORIZ.-F.F.
B421	X	6	9'-8"			WING 4-HORIZ.-F.F.-B.F.
B622	X	2	9'-8"			WING 4-TOP-HORIZ.
B423	X	17	4'-7"			WING 4-VERT.-F.F.-B.F.



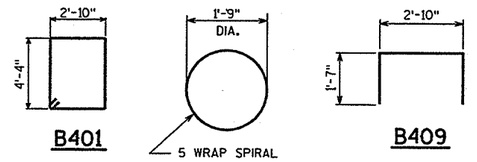
WING 4 SECTION

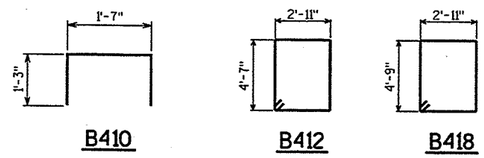


WING 4 ELEVATION



PILE SPLICE DETAIL





NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-211

CONST. SPEC. 1996	DRAWN BY CRJ	PLANS CK'D. MGW

NORTH ABUTMENT DETAILS

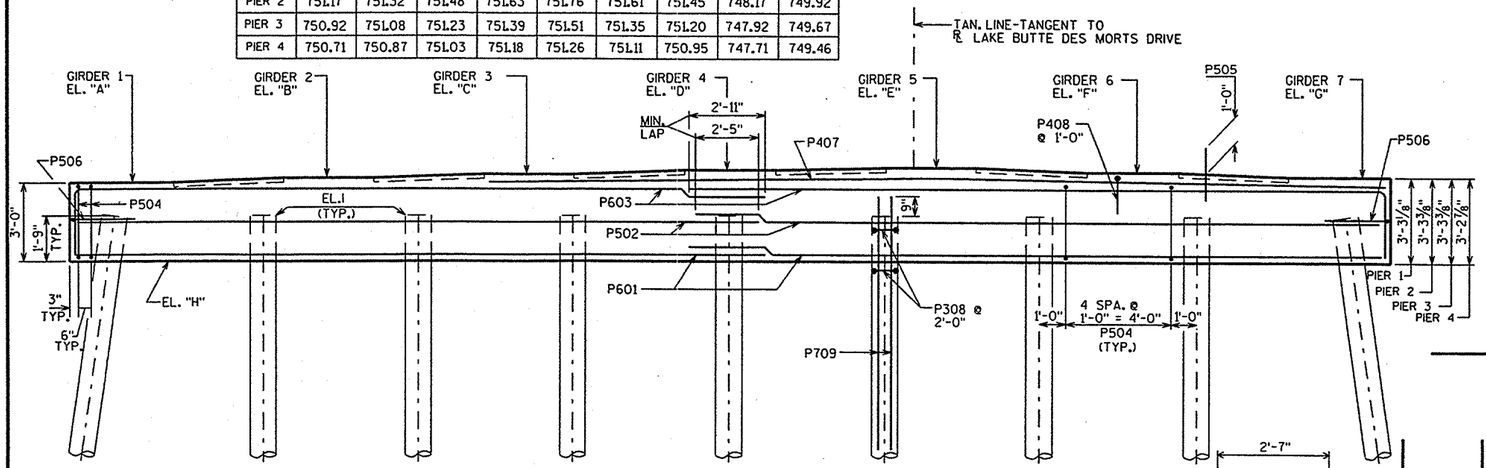
SHEET 7

STATE PROJECT NUMBER	SHEET NO.
6200-05-71	8.8

PIER ELEVATIONS

	ELEV. "A"	ELEV. "B"	ELEV. "C"	ELEV. "D"	ELEV. "E"	ELEV. "F"	ELEV. "G"	ELEV. "H"	ELEV. "I"
PIER 1	751.43	751.59	751.74	751.89	752.00	751.85	751.69	748.43	750.18
PIER 2	751.17	751.32	751.48	751.63	751.76	751.61	751.45	748.17	749.92
PIER 3	750.92	751.08	751.23	751.39	751.51	751.35	751.20	747.92	749.67
PIER 4	750.71	750.87	751.03	751.18	751.26	751.11	750.95	747.71	749.46

NOTE: P505 BARS MAY BE PLACED AFTER CONCRETE IS POURED, BUT BEFORE ITS' INITIAL SET HAS TAKEN PLACE.

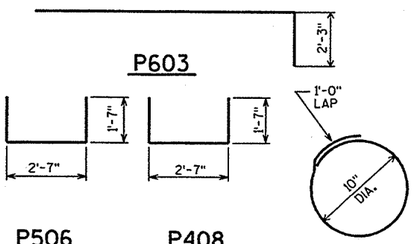


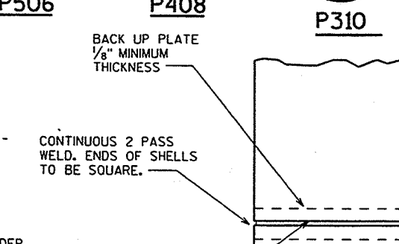
PIER ELEVATION LOOKING NORTH

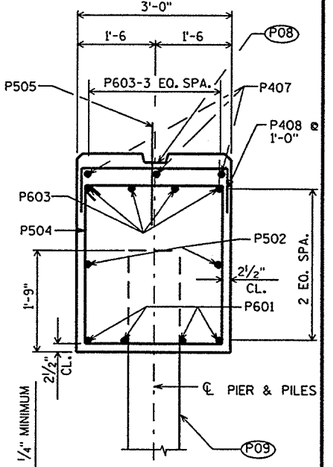
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

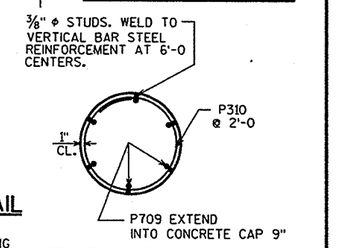
BAR MARK	COAT	PIER 1	PIER 2	PIER 3	PIER 4	LENGTH	BENT	BAR SERIES	LOCATION
P601		8	8	8	8	26'-10"			CAP-HORIZ.-BTM.
P502		4	4	4	4	26'-7"			CAP-HORIZ.-SIDES
P603		8	8	8	8	28'-11"	X		CAP-HORIZ.-TOP
P504		44	44	44	44	11'-0"	X		CAP STIRRUPS
P505		30	30	30	30	2'-0"			CAP-DOWELS
P506		2	2	2	2	5'-6"	X		CAP-ENDS
P407		3	3	3	3	34'-7"			CAP-HORIZ.
P408		35	35	35	35	5'-7"	X		CAP-VERT.
P709		54	54	54	54	30'-0"			PILES-VERT.
P310		144	144	144	144	3'-8"	X		PILES-HORIZ.



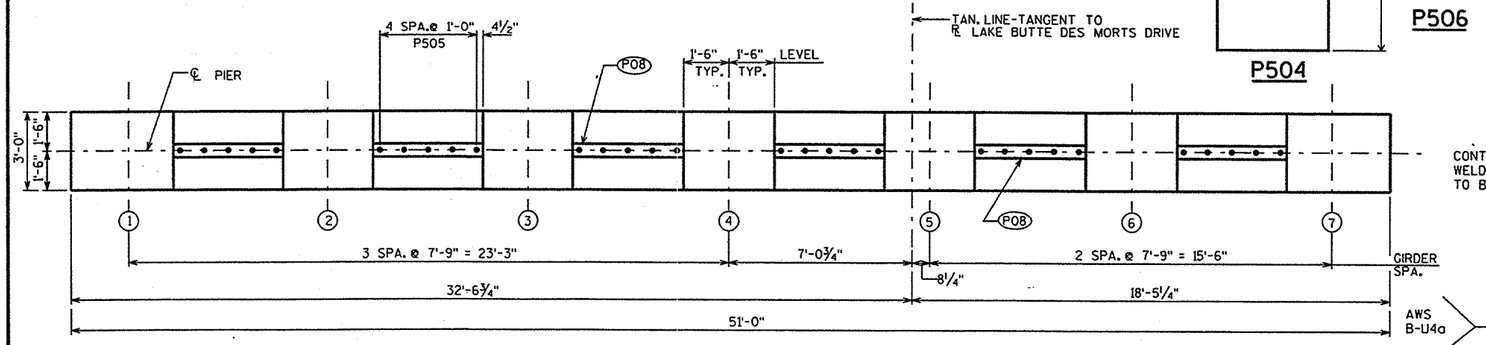




SECTION THRU CAP



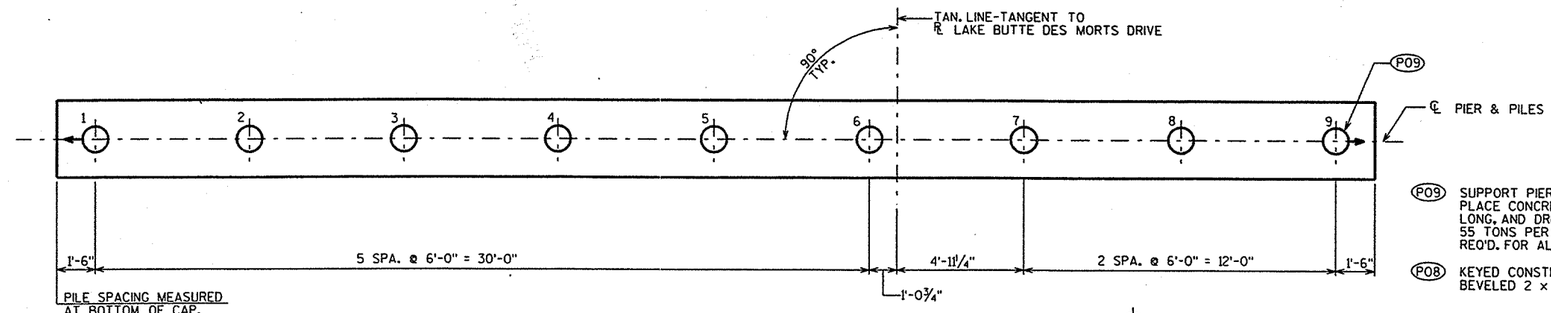
SECTION THRU PILE



PLAN

PILE SPLICE DETAIL

NOTE: PILE SPICES SHALL BE MADE BY A CERTIFIED WELDER USING LOW HYDROGEN ELECTRODES.



PILE PLAN

INDICATES BATTERED PILE. BATTER 2" PER FOOT IN DIRECTION SHOWN.

(P09) SUPPORT PIER ON 12" DIA. CAST-IN-PLACE CONCRETE PILING, ESTIMATED 60'-0" LONG, AND DRIVEN TO A MIN. BRG. VALUE OF 55 TONS PER PILE. (.375" MIN. WALL THICKNESS REQ'D. FOR ALL PILING.) (TYP. ALL PIERS)

(P08) KEYED CONSTRUCTION JOINT-FORMED BY BEVELED 2 x 6 BETWEEN BEAM SEATS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
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STRUCTURES DESIGN SECTION

STRUCTURE B-70-211

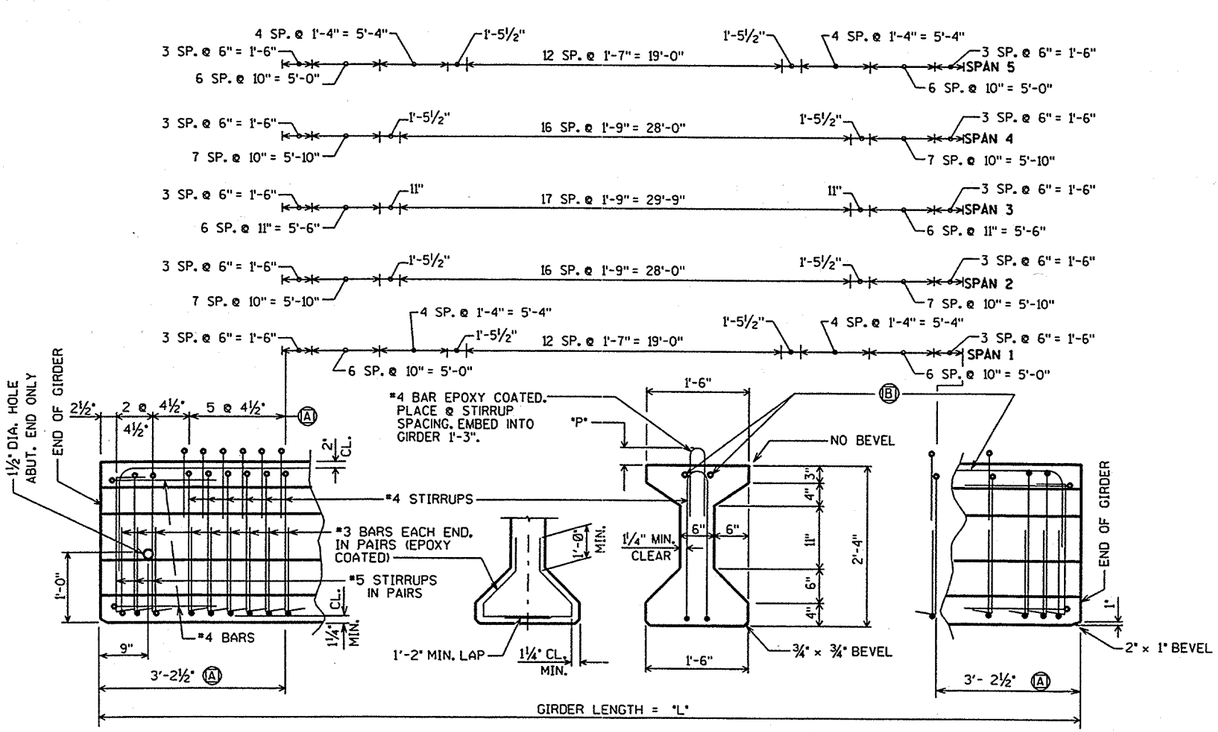
CONST. SPEC. 1996	DRAWN BY CRJ	PLANS CK'D. MGW

PIERS 1 THRU 4

SHEET 8

FILE= 211PIER.DGN
SCALE = 2.666

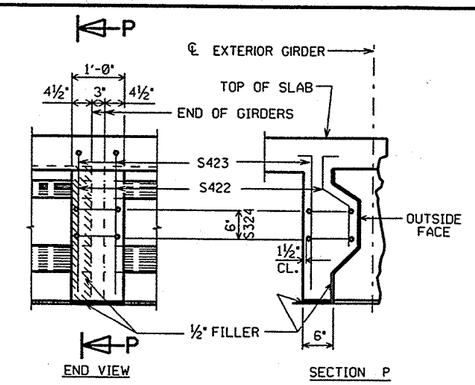
STATE PROJECT NUMBER	SHEET NO.
6200-05-71	8.9



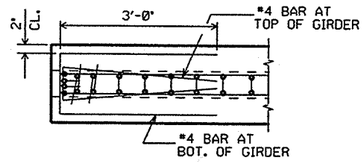
SIDE VIEW & TYP. SECTION IN SPAN

Ⓐ DETAIL TYP. AT EACH END

Ⓑ 2-#4 BARS BEND DOWN 16 BAR DIA. AT ENDS 1'-11" MIN. LAP (TYP. ALL SPANS)



PILASTER DETAILS AT PIERS



TOP VIEW OF GIRDER ENDS

GIRDER NOTES

TOP OF GIRDER TO BE ROUGH FLOATED AND BROOMED TRANSVERSELY, EXCEPT THE OUTSIDE 2" OF GIRDER, WHICH SHALL BE TROWEL FINISHED.

THE GIRDERS SHALL BE PROVIDED WITH A SUITABLE LIFTING DEVICE FOR HANDLING AND ERECTING THE GIRDERS.

PRESTRESSING STRANDS SHALL BE 0.6"ϕ - 7 WIRE LOW-RELAXATION STRANDS WITH AN ULTIMATE STRENGTH OF 270,000 psi AND SHALL BE FLUSH WITH THE ENDS OF THE GIRDER.

BEND EACH END OF #4 STIRRUPS 4½" AND #5 STIRRUPS 6".

FOR DIAPHRAGM INSERT & CONNECTION DETAILS SEE "STEEL DIAPHRAGM" SHEET.

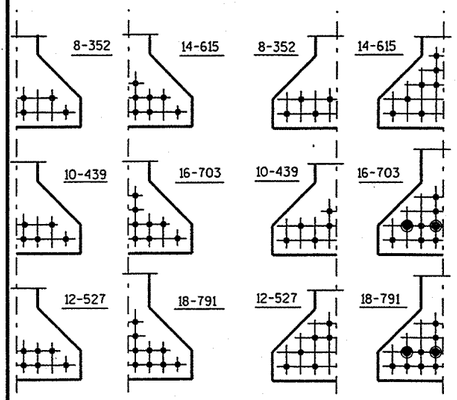
ALL GIRDERS SHALL BE CAST FULL LENGTH AS SHOWN.

SPACING SHOWN FOR #4 STIRRUPS IS FOR GRADE 60 REINFORCEMENT. IF THE FABRICATOR WANTS TO BUILD A BAR STEEL CAGE BY WELDING LONGITUDINAL REINFORCEMENT TO THE #4 STIRRUPS, 2 OPTIONS ARE AVAILABLE:

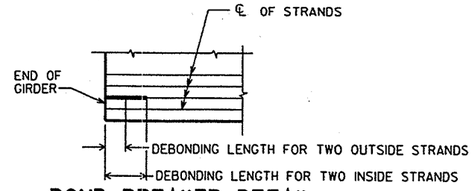
1. USE ASTM A706, GRADE 60 REINFORCEMENT AND THE STIRRUP SPACING AS SHOWN ON THE PLANS.
2. USE ASTM A615, GRADE 40 REINFORCEMENT AND A MODIFIED STIRRUP SPACING SUBMITTED TO AND APPROVED BY THE STRUCTURES DEVELOPMENT SECTION.

AN ALTERNATE EQUIVALENT OF WELDED WIRE FABRIC (WWF) MAY BE SUBSTITUTED FOR THE STIRRUP REINFORCEMENT SHOWN, UPON APPROVAL OF THE STRUCTURES DEVELOPMENT SECTION

WELDED WIRE FABRIC SHALL CONFORM TO THE REQUIREMENTS OF ASTM A497.

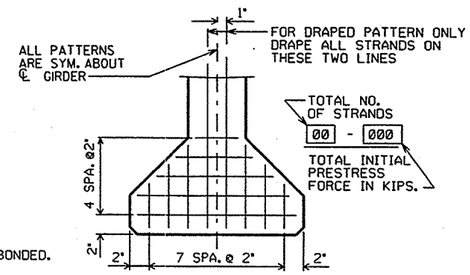


DRAPED PATTERN UNDRAPED PATTERN

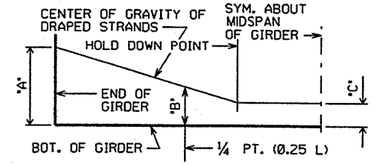


BOND BREAKER DETAIL

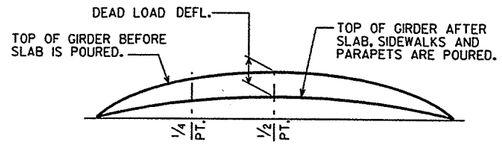
SHOWING LENGTHS OF DEBONDING FROM END OF GIRDER.



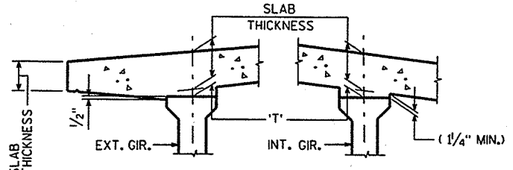
TYP. STRAND PATTERN



DRAPED STRAND PROFILE



DEAD LOAD DEFLECTION DIAGRAM



SLAB HAUNCH DETAIL

IF 1¼" MINIMUM HAUNCH HEIGHT AT EDGE OF GIRDER CANNOT BE MAINTAINED, THE GRADE LINE MAY BE REVISED BY THE ENGINEER AT THE OPTION OF THE CONTRACTOR. THE PLAN SLAB THICKNESS SHALL BE HELD. NOTIFY BRIDGE OFFICE FOR HAUNCH HEIGHTS OVER 4".

TO DETERMINE 'T', ELEV. OF TOP OF GIR'S. AT ℄ OF SUBSTRUCTURE UNITS & AT ¼ POINTS OF EACH SPAN SHALL BE TAKEN. THEN FOLLOW THIS PROCESS:

TOP OF DECK ELEV. AT FINAL GRADE
- TOP OF GIRDER ELEVATION
+ DEAD LOAD DEFLECTION
- SLAB THICKNESS
= HAUNCH HEIGHT 'T'

*MINIMUM CYLINDER STRENGTH OF CONCRETE @ TIME OF TRANSFER OF PRESTRESS FORCE.

GIRDER DATA

SPAN	GIRDER LENGTH "L"	DEAD LOAD DEFL. (IN.) ⅛	¼	⅜	½	CONC. STRGTH. f'c (P.S.I.)	"P"	DIA. OF STRAND	DRAPED PATTERN TOTAL NO. OF STRANDS	f'ci (P.S.I.) *	(IN.) "A"	"B" MIN.	"B" MAX.	"C"	UNDRAPED PATTERN TOTAL NO. OF STRANDS	f'ci (P.S.I.) *
1	52.00	0.33	0.57	0.71	0.76	7500	6	0.60	12	5500	25.00	8.50	11.25	3.00	0	0
2	52.00	0.35	0.59	0.74	0.79	7500	6	0.60	12	5500	25.00	8.50	11.25	3.00	0	0
3	52.00	0.35	0.59	0.74	0.79	7500	6	0.60	12	5500	25.00	8.50	11.25	3.00	0	0
4	52.00	0.35	0.59	0.74	0.79	7500	6	0.60	12	5500	25.00	8.50	11.25	3.00	0	0
5	52.00	0.33	0.57	0.71	0.76	7500	6	0.60	12	5500	25.00	8.50	11.25	3.00	0	0

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STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-211

CONST. SPEC. 1996 | DRAWN BY CRJ | PLANS CK'D. MGW

28" PRESTRESSED GIRDER DETAILS

SHEET 9

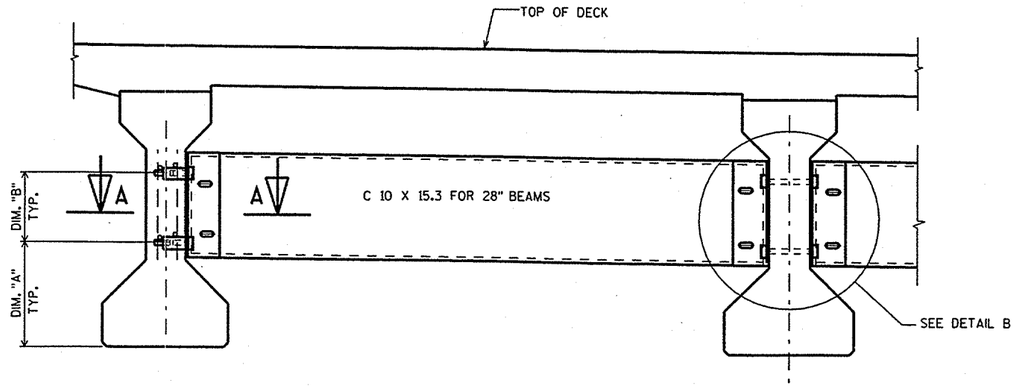
LV = 12345 7 9

FILE= 211GIR.DGN
SCALE = 20666

STATE PROJECT NUMBER	SHEET NO.
6200-05-71	8.10

TABLE

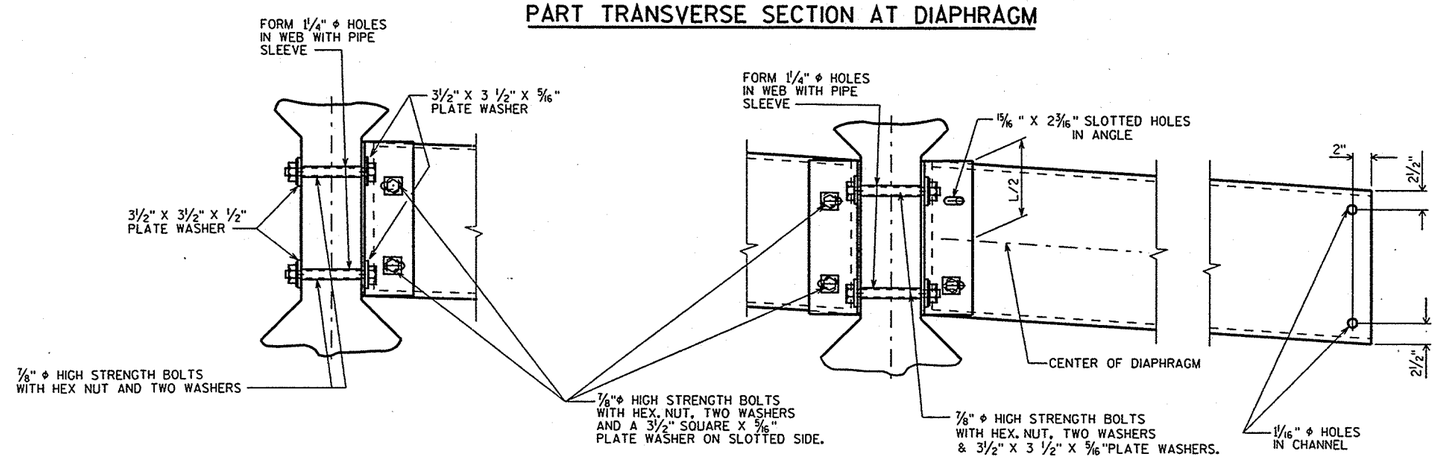
GIRDER HEIGHT	DIM. "A"	DIM. "B"	DIM. "L"	DIM. "X"
28"	1'-0 7/8"	5 7/8"	9 1/2"	2 1/4"



EXTERIOR GIRDER

INTERIOR GIRDER

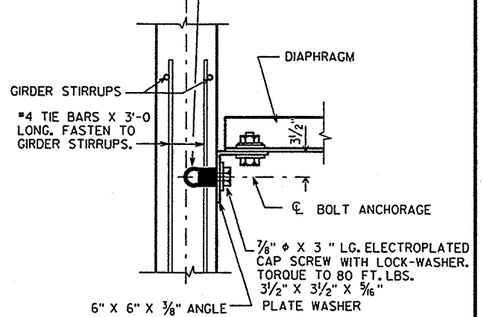
PART TRANSVERSE SECTION AT DIAPHRAGM



(FOR STAGGERED DIAPHRAGM)

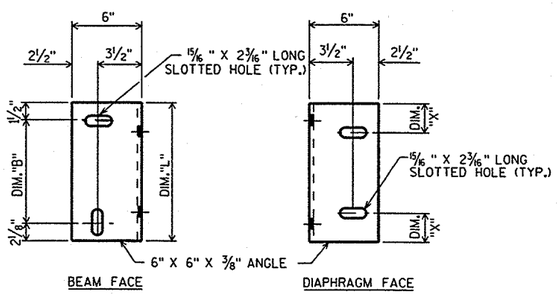
(FOR CONTINUOUS LINE OF DIAPHRAGMS)

DETAIL B



SECT. A-A

(FOR EXTERIOR ATTACHMENT)



DIAPHRAGM SUPPORT

NOTES

ALL DIAPHRAGM MATERIAL NOT EMBEDDED IN THE CONCRETE GIRDER SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "STEEL DIAPHRAGM", STRUCTURE, EACH.

EACH DIAPHRAGM BETWEEN GIRDERS SHALL CONSTITUTE ONE UNIT.

ALL DIAPHRAGM STRUCTURAL STEEL SHALL BE ASTM A709 GRADE 36. ALL BOLTS, NUTS AND WASHERS SHALL BE ASTM A325 TYPE 1.

ALL DIAPHRAGM STRUCTURAL STEEL SHOWN SHALL BE HOT-DIPPED GALVANIZED. ALL BOLTS, NUTS AND WASHERS SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A153 CLASS C. GALVANIZED NUTS SHALL BE TAPPED OVERSIZE IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM A563 AND SHALL MEET THE REQUIREMENTS OF SUPPLEMENTARY REQUIREMENT S1 OF ASTM A563. LUBRICANT AND TEST FOR COATED NUTS.

NO.	DATE	REVISION	BY

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STRUCTURES DESIGN SECTION

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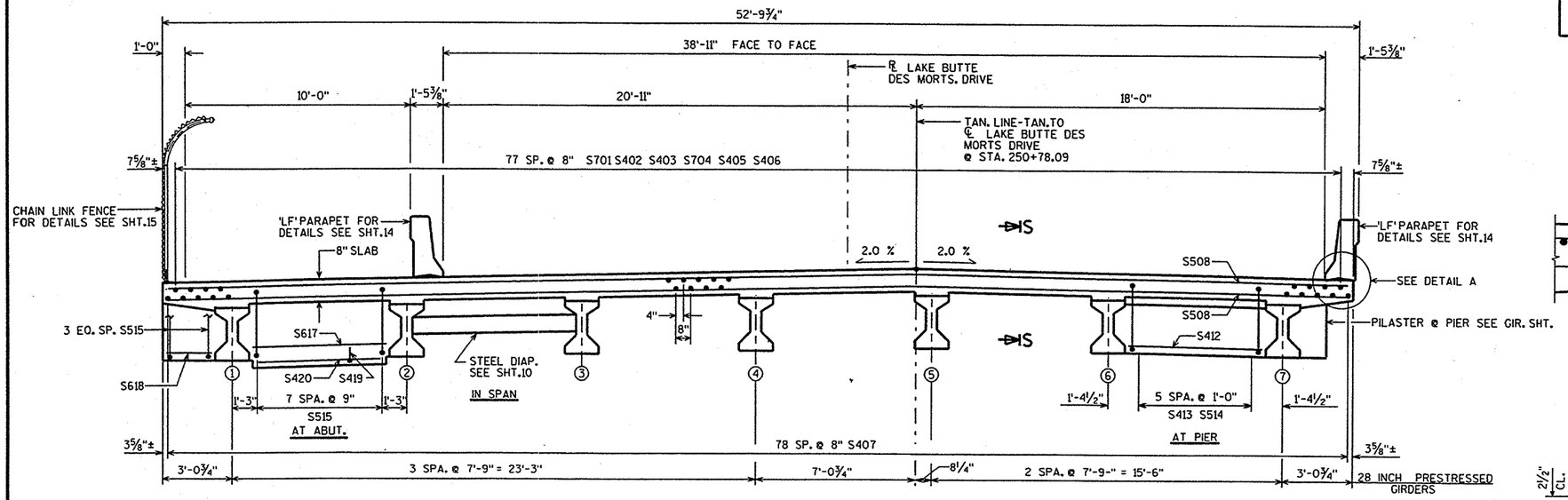
CONST. SPEC. 1996	DRAWN BY CRJ	PLANS CKD. MGW

STEEL DIAPHRAGM

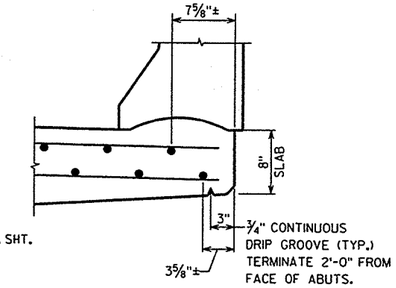
SHEET 10

FILE= 211DIA.DGN
SCALE = 1

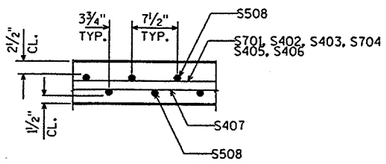
STATE PROJECT NUMBER	SHEET NO.
6200-05-71	8.11



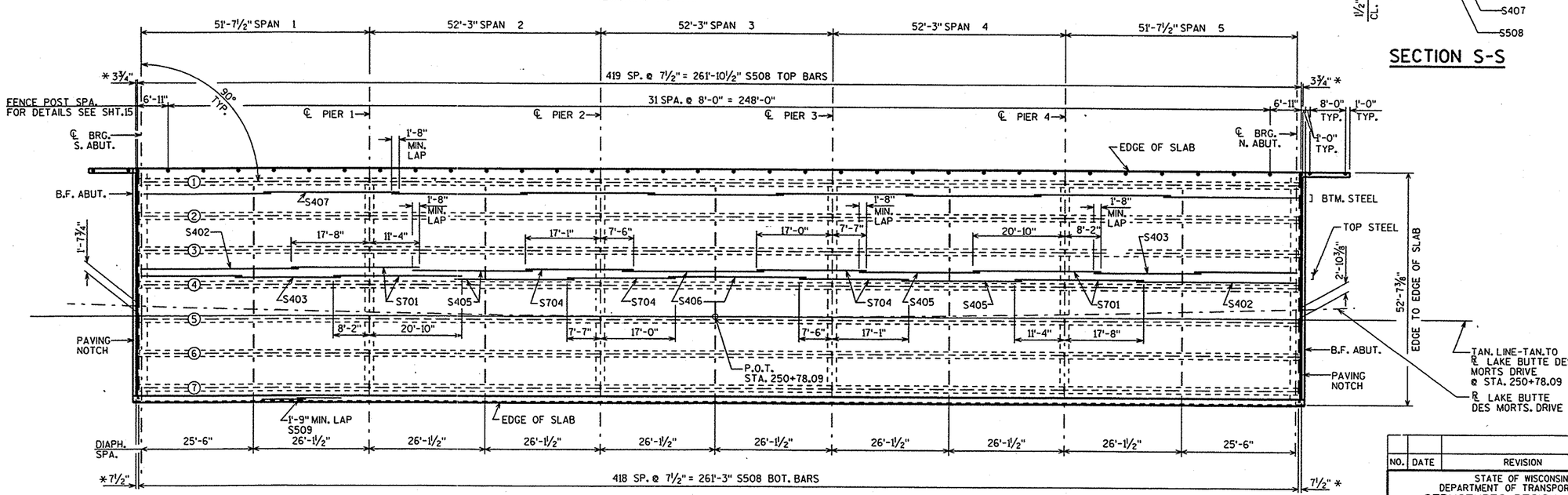
CROSS SECTION THRU ROADWAY
(LOOKING NORTH)



DETAIL A



SECTION S-S



PLAN

* DISTANCE MEASURED TO END OF SLAB (AT PAVING NOTCH)

NO.	DATE	REVISION	BY

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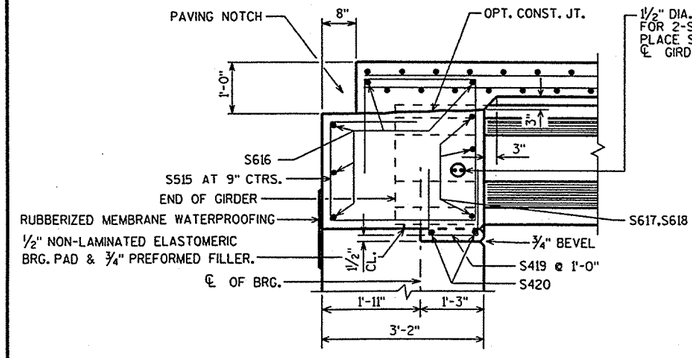
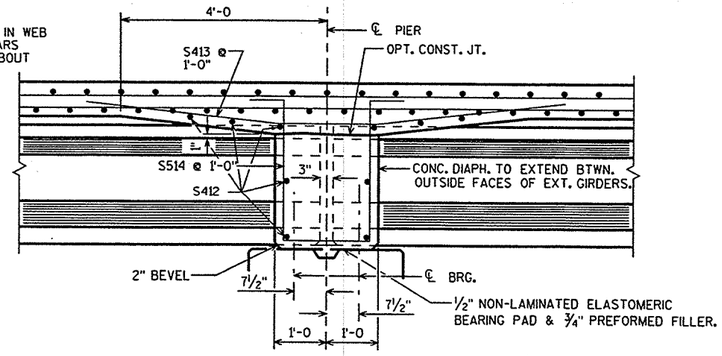
CONST. SPEC. 1996	DRAWN BY CRJ	PLANS CK'D. MGW

SUPERSTRUCTURE | SHEET 11

STATE PROJECT NUMBER	SHEET NO.
6200-05-71	8.12

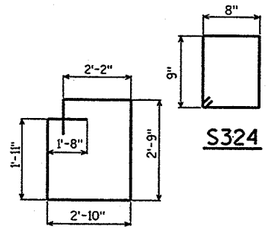


AT ABUTMENTS



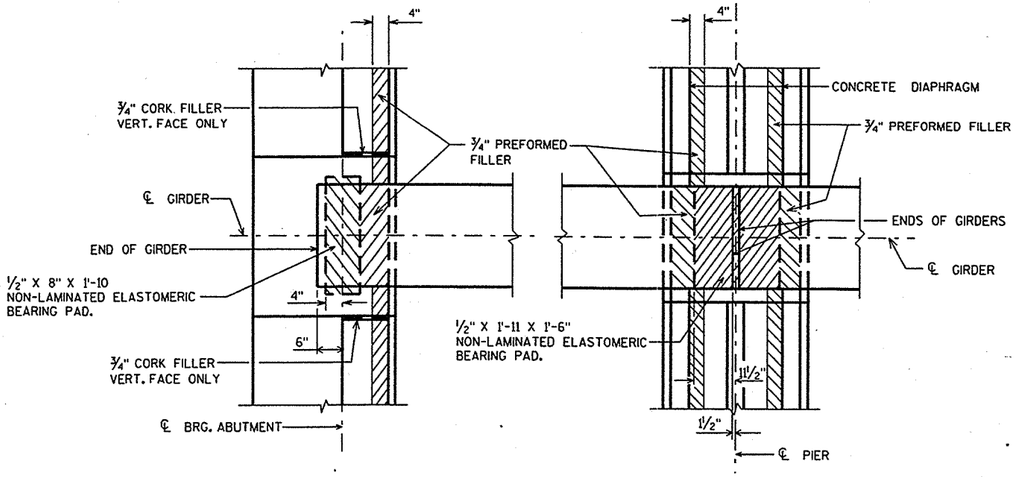
AT PIER DIAPHRAGM

PART LONGIT. SECTION



S324

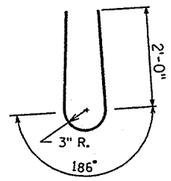
S515



BEARING PAD DETAIL

BILL OF BARS

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
S701	X	156	29'-0"			LONGITUDINAL CONTINUITY
S402	X	78	36'-8"			LONGITUDINAL TOP
S403	X	156	23'-11"			LONGITUDINAL TOP
S704	X	156	24'-7"			LONGITUDINAL CONTINUITY
S405	X	156	27'-2"			LONGITUDINAL TOP
S406	X	78	31'-1"			LONGITUDINAL TOP
S407	X	711	30'-9"			LONGITUDINAL BOTTOM
S508	X	839	52'-3"			TRANSVERSE TOP AND BOTTOM
S509	X	70	39'-2"			PARAPET LF-HORIZ.
S510	X	792	4'-10"	X		PARAPET LF-VERT.
S511	X	792	4'-9"	X		PARAPET LF-VERT.
S412	X	240	5'-11"			PIER DIAPHRAGM-HORIZ.
S413	X	144	10'-2"	X		PIER DIAPHRAGM-VERT.
S514	X	144	8'-2"	X		PIER DIAPHRAGM-VERT.
S515	X	112	12'-9"	X		ABUT. DIAPHRAGM-VERT.
S616	X	20	27'-10"			ABUT. DIAPHRAGM-HORIZ.
S617	X	36	5'-11"			ABUT. DIAPHRAGM-HORIZ.
S618	X	12	2'-0"			ABUT. DIAPHRAGM-HORIZ.
S419	X	72	3'-3"	X		ABUT. DIAPHRAGM-VERT.
S420	X	24	4'-11"			ABUT. DIAPHRAGM-HORIZ.
S521	X	28	6'-0"			ABUT. DIAPHRAGM AT GIRDERS
S422	X	16	2'-9"	X		PIER PILASTER
S423	X	16	3'-3"	X		PIER PILASTER
S324	X	16	3'-4"	X		PIER PILASTER



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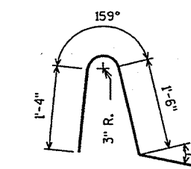

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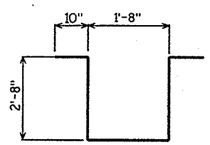

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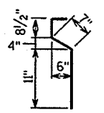

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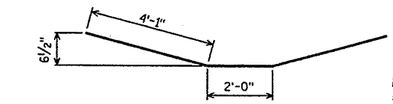

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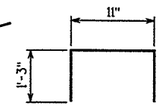

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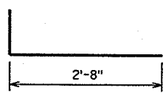


S423

TOP OF DECK ELEVATIONS

	S. ABUT.	1/4	2/4	3/4	PIER 1	1/4	2/4	3/4	PIER 2	1/4	2/4	3/4	PIER 3	1/4	2/4	3/4	PIER 4	1/4	2/4	3/4	N. ABUT.
GIR. 1	754.99	754.93	754.86	754.79	754.72	754.65	754.59	754.52	754.46	754.40	754.33	754.27	754.21	754.16	754.10	754.05	754.00	753.96	753.91	753.87	753.84
GIR. 2	755.15	755.08	755.01	754.94	754.88	754.81	754.74	754.68	754.61	754.55	754.49	754.43	754.37	754.31	754.26	754.21	754.16	754.11	754.07	754.03	753.99
GIR. 3	755.30	755.23	755.16	755.10	755.03	754.96	754.90	754.83	754.77	754.71	754.64	754.58	754.52	754.47	754.42	754.36	754.32	754.27	754.23	754.19	754.15
GIR. 4	755.46	755.39	755.32	755.25	755.18	755.12	755.05	754.99	754.92	754.86	754.80	754.74	754.68	754.62	754.57	754.52	754.47	754.43	754.38	754.34	754.30
GIR. 5	755.52	755.46	755.41	755.35	755.29	755.23	755.17	755.11	755.05	754.99	754.93	754.86	754.80	754.74	754.67	754.61	754.55	754.49	754.43	754.38	754.32
GIR. 6	755.36	755.31	755.25	755.19	755.14	755.08	755.02	754.96	754.90	754.83	754.77	754.71	754.64	754.58	754.52	754.46	754.40	754.34	754.28	754.22	754.16
GIR. 7	755.20	755.15	755.09	755.04	754.98	754.92	754.86	754.80	754.74	754.68	754.62	754.55	754.49	754.43	754.36	754.30	754.24	754.18	754.13	754.07	754.01

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-211

CONST. SPEC. 1996	DRAWN BY CRJ	PLANS CK'D. MGW

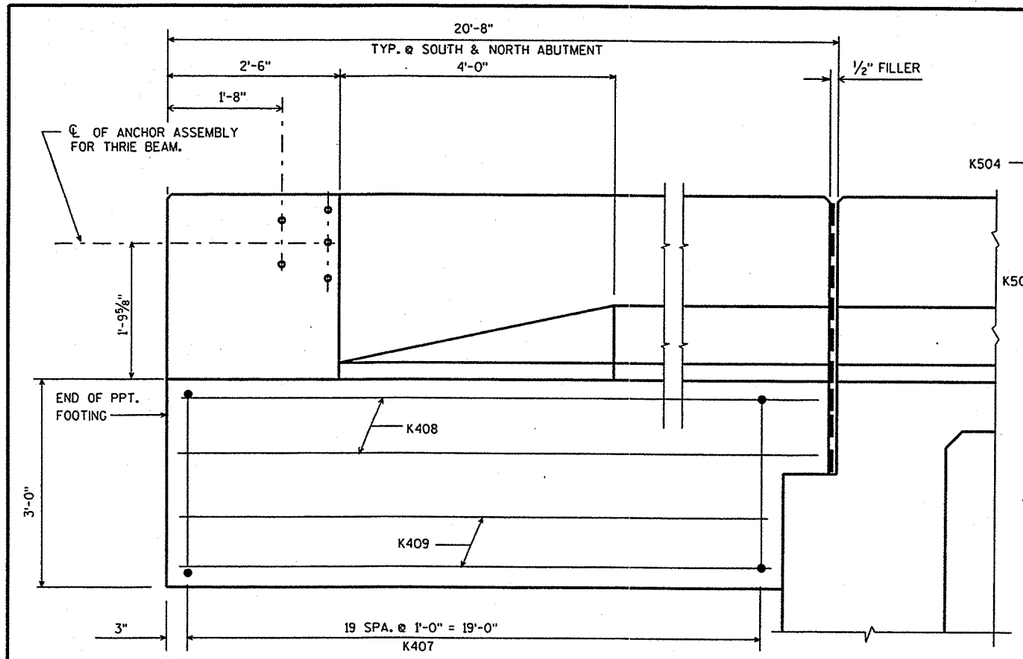
SUPERSTRUCTURE DETAILS

SHEET 12

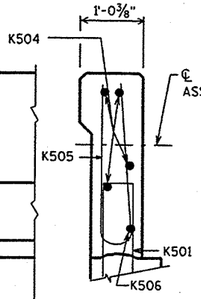
FILE= 211SUP2.DGN
SCALE = 1.333

1 2 4 6 7 12 16 19 20

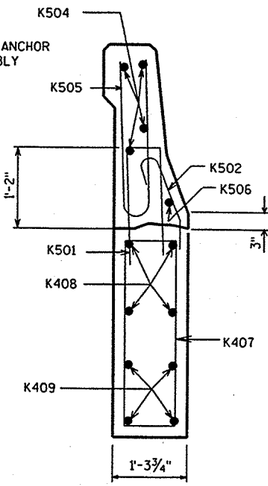
STATE PROJECT NUMBER	SHEET NO.
6200-05-71	8.13



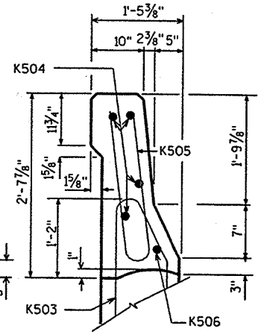
INSIDE ELEVATION



SECTION A



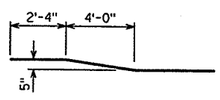
SECTION B



SECTION C

BILL OF BARS

BAR MARK	COAT	S. ABUT.	N. ABUT.	LENGTH	BENT	LOCATION
K501	X	14	14	4'-7"	X	PARAPET VERT.
K502	X	8	8	3'-2"	X	PARAPET VERT.
K503	X	21	21	4'-8"	X	PARAPET VERT.
K504	X	4	4	20'-3"		PARAPET HORIZ.
K505	X	35	35	4'-10"	X	PARAPET VERT.
K506	X	1	1	20'-3"	X	PARAPET HORIZ.
K407		20	20	7'-7"	X	PARAPET FTG.-VERT.
K408		4	4	20'-3"		PARAPET FTG.-HORIZ.
K409		4	4	19'-8"		PARAPET FTG.-HORIZ.



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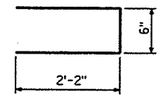

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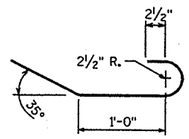

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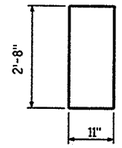

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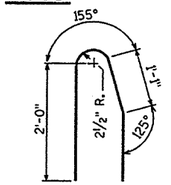

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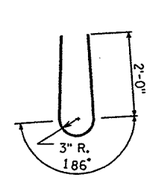
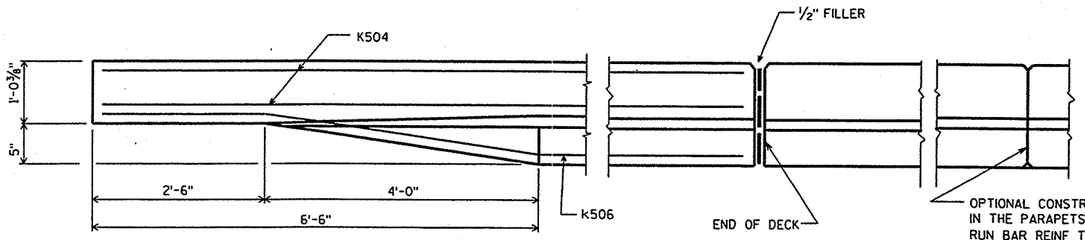
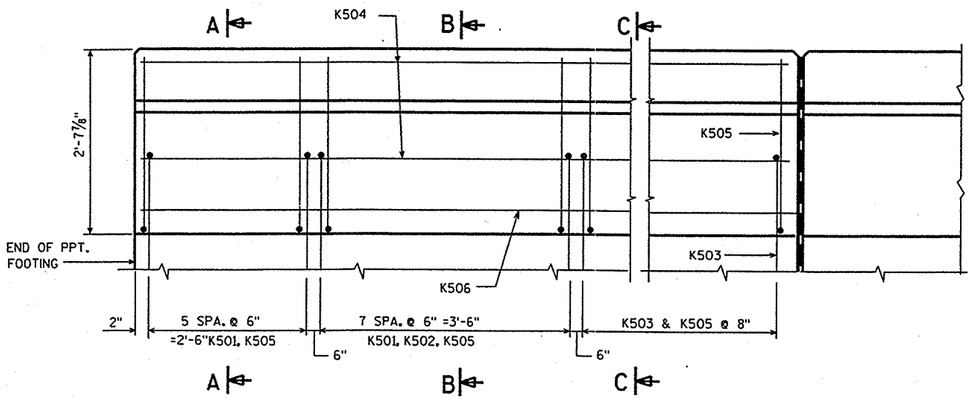


K505

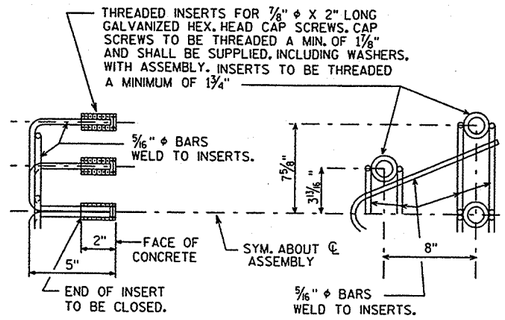


PLAN

OPTIONAL CONSTRUCTION JOINTS IN THE PARAPETS MAY BE USED. RUN BAR REINF THRU THE JOINT. LAP LONGIT. BARS A MIN. OF 1'-9" MIN. JOINT SPACING OF 80'-0" DEFINE CONST. JOINT WITH A ¾" 'V' GROOVE.



OUTSIDE ELEVATION



DETAIL OF ANCHOR ASSEMBLY

NOTE: HEX. HEAD CAP SCREWS & WASHERS TO BE GALVANIZED IN ACCORDANCE WITH AASHTO M232 CLASS C.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-211

CONST. SPEC. 1996	DRAWN BY CRJ	PLANS CK'D. MGW

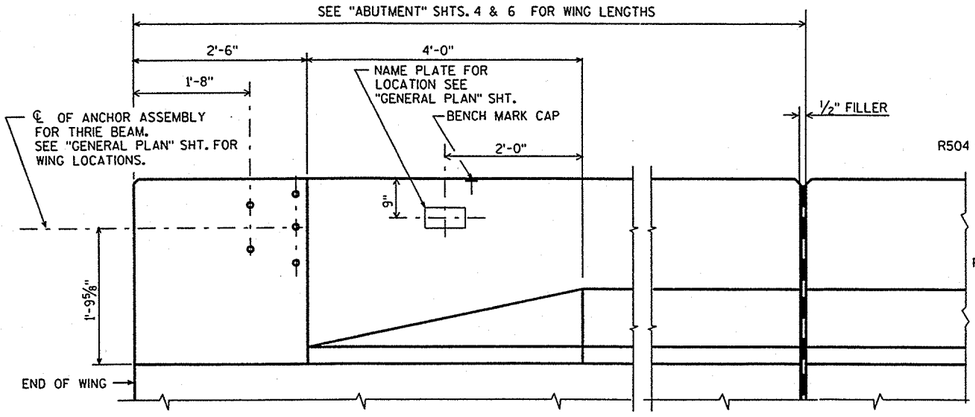
SLOPE FACE PARAPET 'LF' (WEST SIDE)

SHEET 13

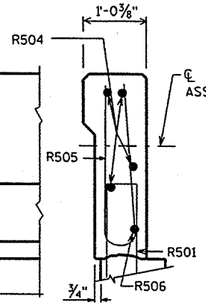
FILE= 211PPTWS.DGN
SCALE = 1

123 6 8 18

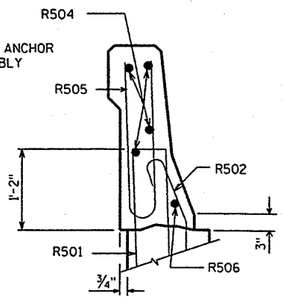
STATE PROJECT NUMBER	SHEET NO.
6200-05-71	8.14



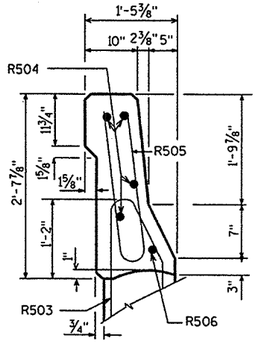
INSIDE ELEVATION



SECTION A



SECTION B

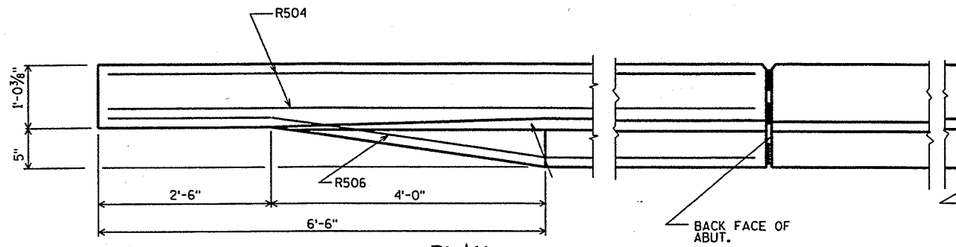


SECTION C

BILL OF BARS

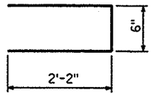
FOR ABUTMENT PARAPETS

BAR MARK	COAT	S. ABUT.	N. ABUT.	LENGTH	BENT	LOCATION
R501	X	14	14	4'-7"	X	PARAPET VERT.
R502	X	8	8	3'-2"	X	PARAPET VERT.
R503	X	5	5	4'-8"	X	PARAPET VERT.
R504	X	4	4	9'-8"		PARAPET HORIZ.
R505	X	19	19	4'-10"	X	PARAPET VERT.
R506	X	1	1	9'-8"	X	PARAPET HORIZ.



PLAN

OPTIONAL CONSTRUCTION JOINTS IN THE PARAPETS MAY BE USED. RUN BAR REINF THRU THE JOINT. LAP LONGIT. BARS A MIN. OF 1'-9" MIN. JOINT SPACING OF 80'-0" DEFINE CONST. JOINT WITH A ¾" 'V' GROOVE.



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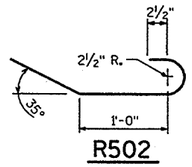

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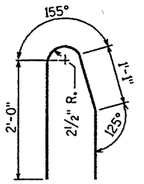

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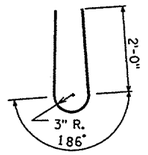

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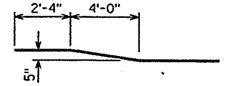

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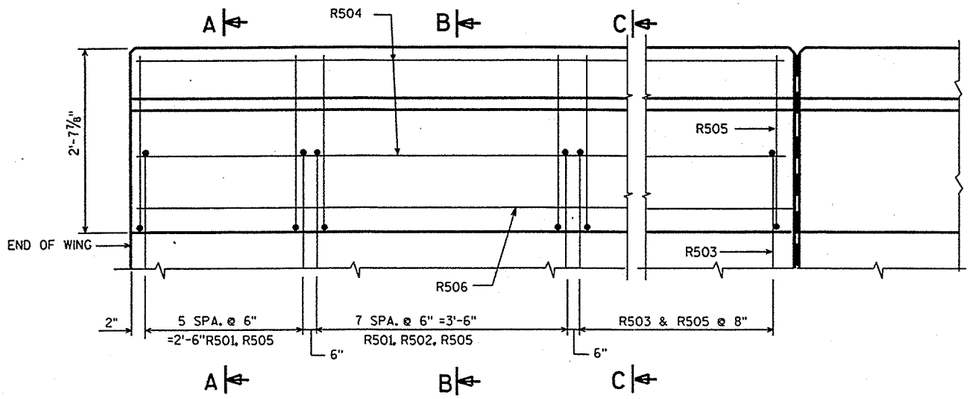
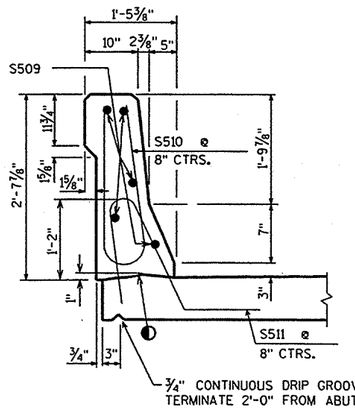
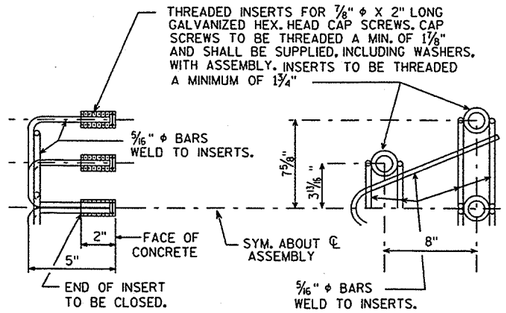


OUTSIDE ELEVATION



SECTION THRU PARAPET ON BRIDGE



DETAIL OF ANCHOR ASSEMBLY

NOTE: HEX. HEAD CAP SCREWS & WASHERS TO BE GALVANIZED IN ACCORDANCE WITH AASHTO M232 CLASS C.

◐ CONST. JOINT - STRIKE OFF AS SHOWN.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-211

CONST. SPEC. 1996	DRAWN BY CRJ	PLANS CK'D. MGW

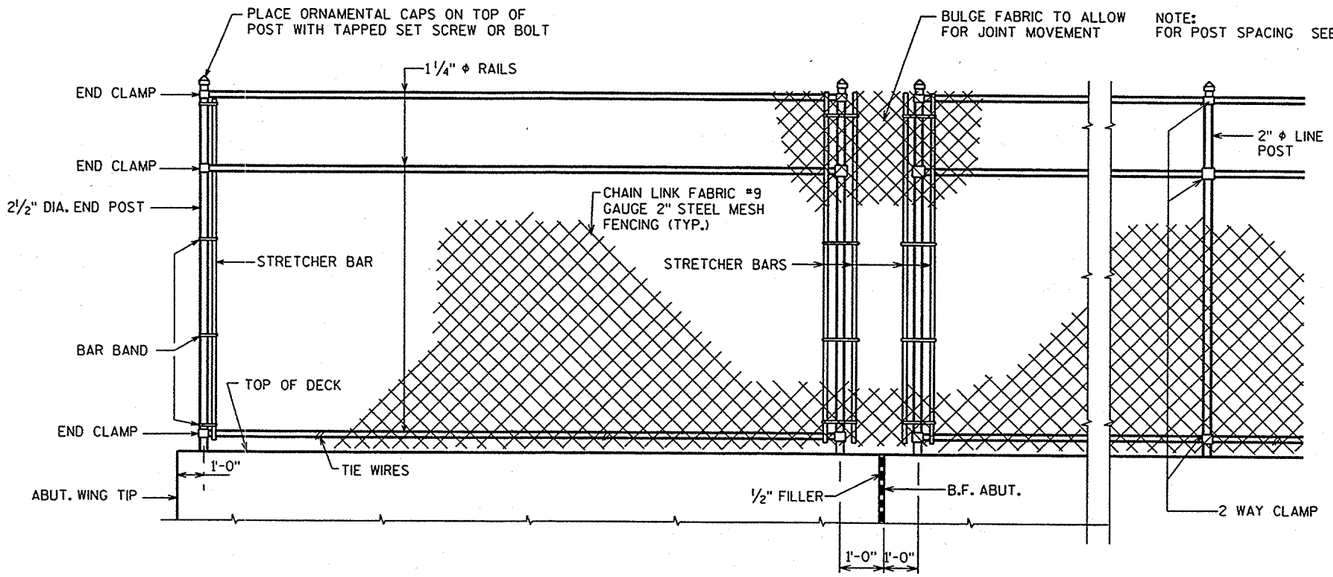
SLOPED FACE PARAPET 'LF' (EAST SIDE)

SHEET 14

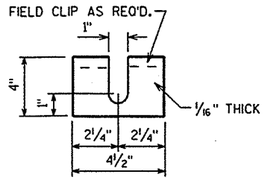
FILE= 211PPT.DGN
SCALE = 1

12 7 9 12 7

STATE PROJECT NUMBER	SHEET NO.
6200-05-71	8.15



FENCE PART ELEVATION



POST SHIM DETAILS

SHIMS REQUIRED ONLY WHEN POSTS ARE WELDED TO BASE PLATES. PROVIDE 4 SHIMS PER POST.

GENERAL NOTES

POSTS ARE TO BE SET VERTICAL.

KNUCKLE TOP AND BOTTOM OF 2" MESH CHAIN LINK FENCING.

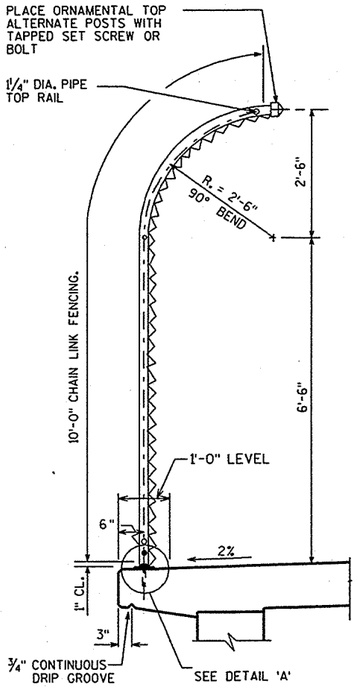
ALL FENCING COMPONENTS SHALL BE GALVANIZED STEEL OR APPROVED ALTERNATE LISTED BELOW.

ALL RAILS, POSTS AND SLEEVES ARE STANDARD WEIGHT PIPE, SCHEDULE 40.

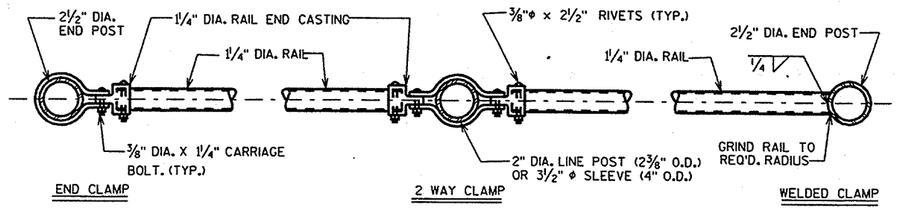
PLACE ALL NUTS ON OUTSIDE OF FENCE.

TOP RAIL SHALL BE CONTINUOUS OVER INTERIOR POSTS. MINIMUM LENGTH OF TOP RAIL BETWEEN SPLICES SHALL BE 20'-0". PLACE TOP RAIL SPLICES NEAR 1/4 POINTS OF POST SPACING. NO. 9 GAGE TIES AT 9" SPACING REQ'D. ON RAILS & POSTS WITHOUT STRETCHER BARS.

ALTERNATE FENCING MATERIALS ARE ALLUMINUM, ALUMINUM COATED STEEL AND APPROVED COLOR COATING SYSTEMS. IF ALTERNATE MATERIALS ARE USED FOR POSTS & RAILS, THESE ELEMENTS SHOULD BE DESIGNED.

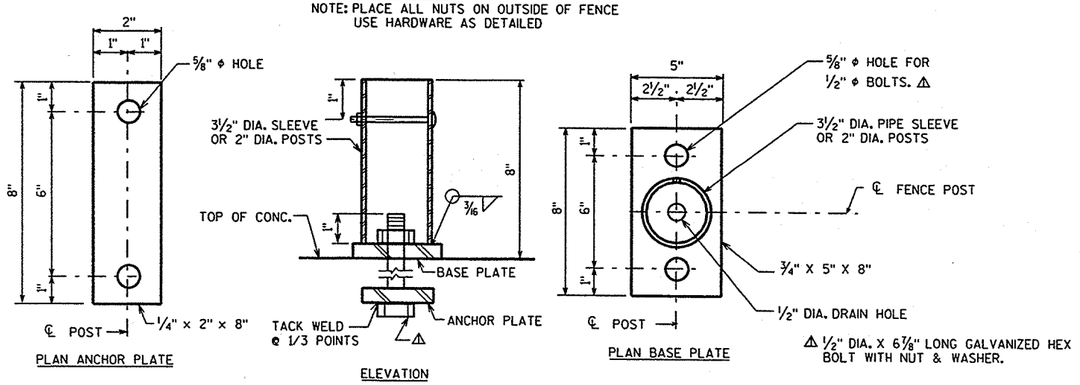


SECTION THRU FENCE



PLAN OF RAILING

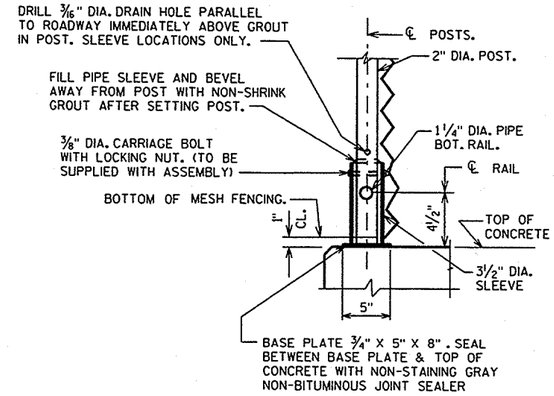
NOTE: PLACE ALL NUTS ON OUTSIDE OF FENCE USE HARDWARE AS DETAILED



POST ATTACHMENT

UNIT SHALL BE GALV. AFTER FABRICATION

NOTE: IN LIEU OF USING THE 3 1/2" ϕ SLEEVE, THE 2" ϕ FENCE POST MAY BE WELDED TO THE BASE PLATE.



DETAIL A

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-211

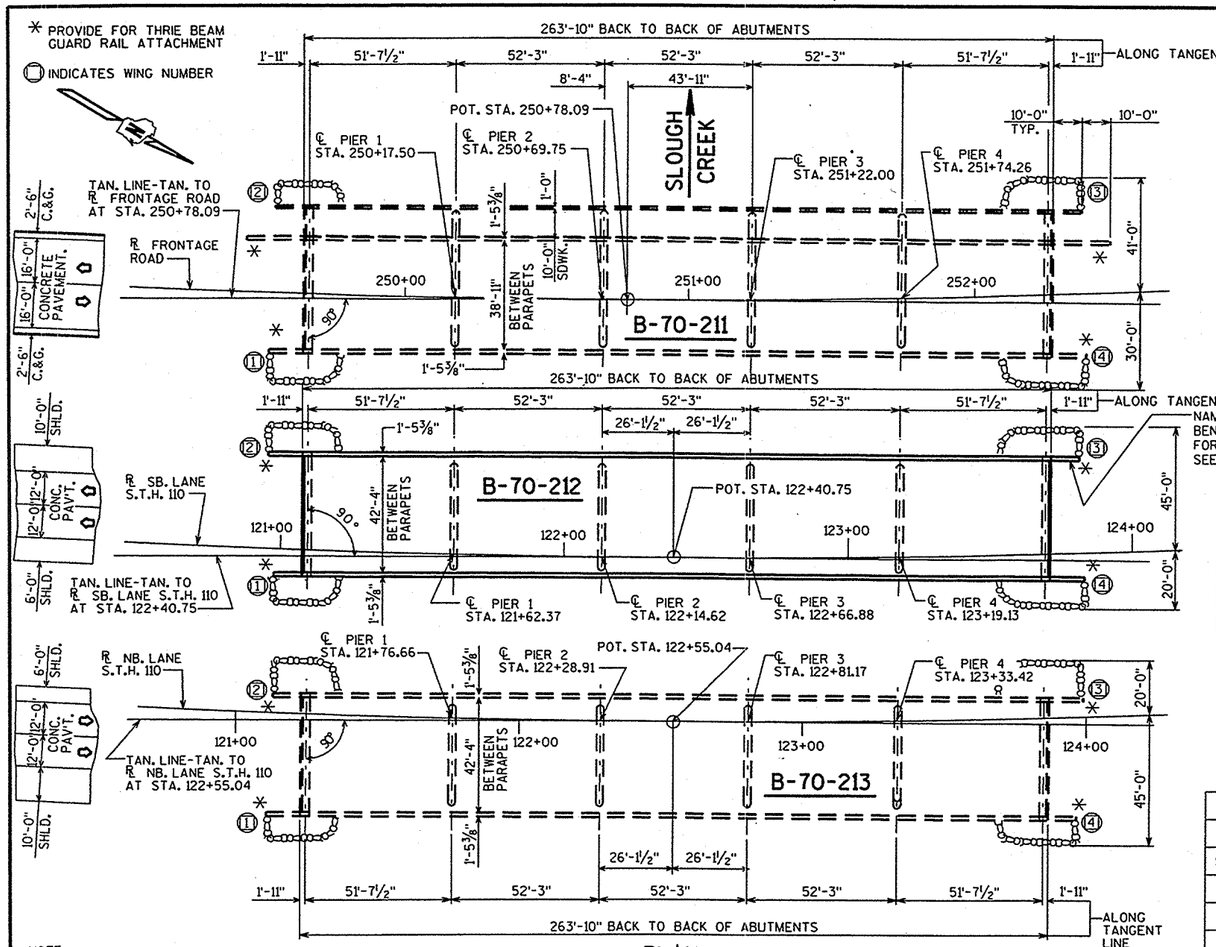
CONST. SPEC.	1996	DRAWN BY	CRJ	PLANS CK'D.	MGW

FENCING DETAILS — SHEET 15

FILE= 211CHAINLINK.DGN
SCALE = 5.833

DISTRICT CONTACT: TOM BUCHHOLZ TYPE CODE = X081

STATE PROJECT NUMBER	SHEET NO.
6200-05-71	8.16

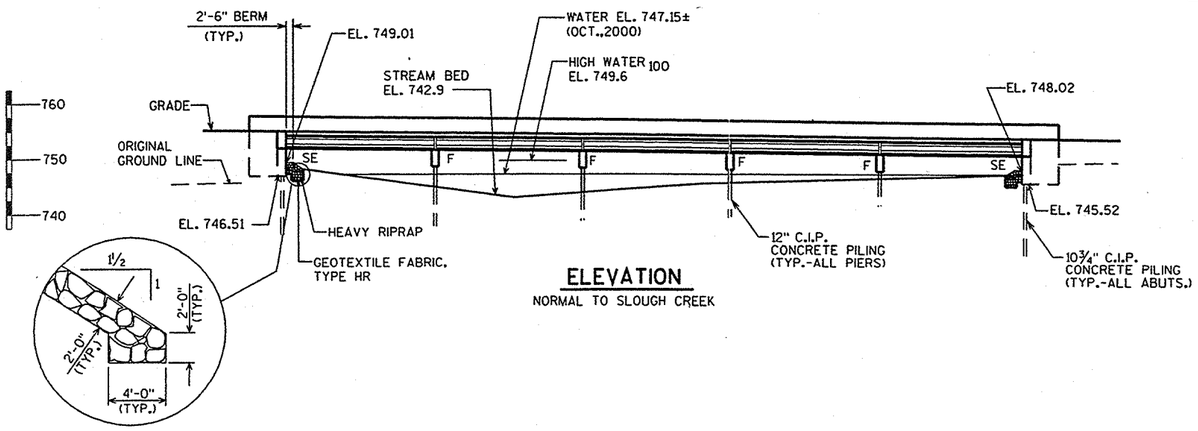


PLAN

5 SPAN-28" PRESTRESSED GIRDERS

NOTE:

WING LENGTHS ARE 10'-0" FOR WINGS 2 & 3 AND 12'-0" FOR WINGS 1 & 4 (TYPICAL FOR B-70-212 & B-70-213).



ELEVATION

NORMAL TO SLOUGH CREEK

CURVE DATA

SB. LANE S.T.H. 110	NB. LANE S.T.H. 110
P.I. = STA. 119+98.07	P.I. = STA. 120+08.48
Δ = 19°-41'-20.8"	Δ = 19°-41'-20.8"
D = 1°-31'-26.2"	D = 1°-30'-00"
T = 652.43'	T = 662.84'
L = 1291.99'	L = 1312.61'
R = 3759.72'	R = 3819.72'
S.E. = 0.046%	S.E. = 0.046%
P.C. = STA. 113+45.64	P.C. = STA. 113+45.64
P.T. = STA. 126+37.63	P.T. = STA. 126+58.25

FRONTAGE ROAD

P.I. = STA. 248+91.80
Δ = 21°-26'-22.5"
D = 1°-30'-00"
T = 723.11'
L = 1429.31'
R = 3819.72'
S.E. = 0.028%
P.C. = STA. 241+68.69
P.T. = STA. 255+97.99

ABUTMENT STATIONS

ABUTMENT	B-70-211 STATION	B-70-212 STATION	B-70-213 STATION
END OF SLAB	249+64.61	121+09.47	121+23.76
℄ BRG. SOUTH ABUT.	249+65.86	121+10.72	121+25.01
℄ BRG. NORTH ABUT.	252+25.92	123+70.78	123+85.07
END OF SLAB	252+27.17	123+72.03	123+86.32

LOCATION	DIM. A (ALONG ℄ SUBSTR. UNIT)		
	B-70-211	B-70-212	B-70-213
SOUTH ABUT.	1'-7¾"	2'-3""	2'-2½"
PIER 1	5¾"	9¾"	9⅝"
PIER 2	⅛"	1⅛"	1⅛"
PIER 3	3"	1⅛"	1⅛"
PIER 4	1'-2½"	9¾"	9⅝"
NORTH ABUT.	2'-10⅜"	2'-3"	2'-2½"

DESIGN DATA

LIVE LOAD:

DESIGN RATING; HS-20
INVENTORY RATING; HS-21
OPERATIONAL RATING; HS-38
MAXIMUM STANDARD PERMIT VEHICLE LOAD = 250 KIPS.

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

ULTIMATE DESIGN STRESSES:

CONCRETE MASONRY SLAB — f'c = 4,000 P.S.I. ALL OTHER — f'c = 3,500 P.S.I.
BAR STEEL REINFORCEMENT, GRADE 60 — fy = 60,000 P.S.I.
28" PRESTRESSED GIRDERS, CONCRETE MASONRY — f'c = 7,500 P.S.I.
STRANDS- 0.6" ϕ WITH ULTIMATE TENSILE STRENGTH OF 270,000 P.S.I.

FOUNDATION DATA

ABUTMENTS TO BE SUPPORTED ON 10¾" DIA. CAST-IN-PLACE PILING DRIVEN TO A MINIMUM BEARING VALUE OF 55 TONS PER PILE.
SOUTH ABUTMENT ESTIMATED 65'-0" LONG.
NORTH ABUTMENT ESTIMATED 65'-0" LONG.

PIERS TO BE SUPPORTED ON 12" DIA. CAST-IN-PLACE PILING (.375 IN. MINIMUM WALL THICKNESS) DRIVEN TO A MINIMUM BEARING VALUE OF 55'-0" TONS PER PILE.
PIER 1 - ESTIMATED 60'-0" LONG.
PIER 2 - ESTIMATED 60'-0" LONG.
PIER 3 - ESTIMATED 60'-0" LONG.
PIER 4 - ESTIMATED 65'-0" LONG.

HYDRAULIC DATA

100 YEAR FREQUENCY

Q_{100} =2,800 C.F.S.
VEL. = 3.9 F.P.S.
HW.= EL. 749.6
WATERWAY AREA= 724.4 SQ. FT.
DRAINAGE AREA= 8.4 SQ. MI.
ROAD OVERTOPPING = NA
SCOUR CRITICAL CODE = 5

TRAFFIC VOLUME

SOUTHBOUND S.T.H. 110
A.D.T.=34,000 (2023)
R.D.S.=70 M.P.H.

LIST OF DRAWINGS

1. GENERAL PLAN
2. CROSS SECTION & QUANTITIES
3. SUBSURFACE EXPLORATION
4. SOUTH ABUTMENT
5. SOUTH ABUTMENT DETAILS
6. NORTH ABUTMENT
7. NORTH ABUTMENT DETAILS
8. PIERS 1 THRU 4
9. 28" PRESTRESSED GIRDER DETAILS
10. STEEL DIAPHRAGM
11. SUPERSTRUCTURE
12. SUPERSTRUCTURE DETAILS
13. SLOPED FACED PARAPET 'LF'

BRIDGE OFFICE CONTACT = KENT BAHLER (608)-266-8490
BRIDGE OFFICE CONTACT = CHARLES R. JUDD (608)-266-4547

NO.	DATE	REVISION	BY

Plans Prepared By **WISDOT**
STRUCTURES DESIGN

STRUCTURE B-70-212

SOUTHBOUND S.T.H. 110 OVER SLOUGH CREEK

COUNTY WINNEBAGO	TOWN, ~~CITY, VILLAGE~~ OSHKOSH
DESIGN SPEC. AASHTO STD. SPEC. 1998	LOAD HS-20 / CONST. SPEC. 1996
DESIGNED BY MGW / DESIGN CK'D. SDR	DRAWN BY DDS / PLANS CK'D. CRJ

APPROVED YH Anderson 11-13-01
CHIEF STRUCTURAL DESIGN ENGINEER DATE

GENERAL PLAN

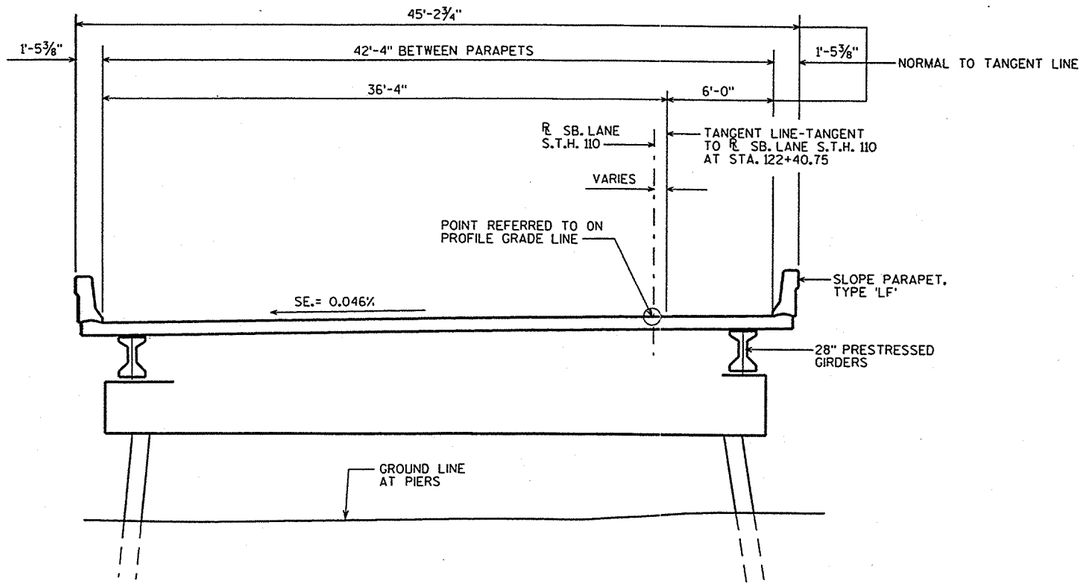
SHEET 1 OF 13

DATE: JULY '01

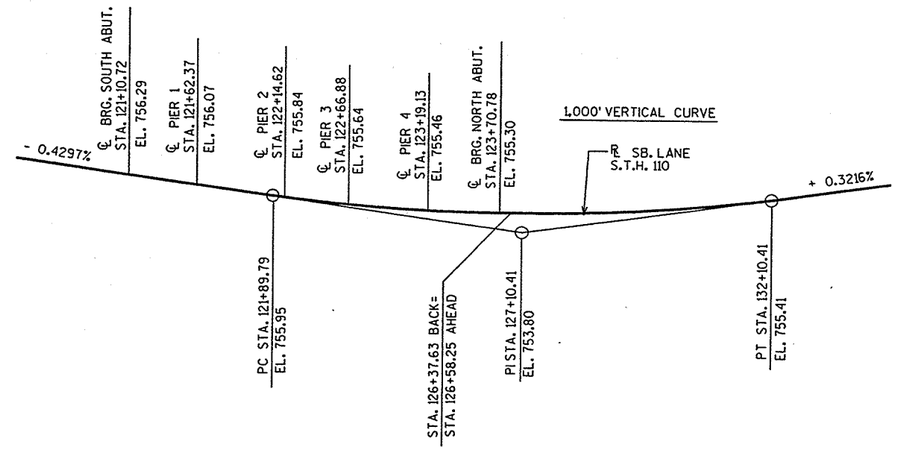
FILE= 7021GP1.DGN
SCALE = 25

I.D. 6200-05-03B

STATE PROJECT NUMBER	SHEET NO.
6200-05-71	8.17



CROSS SECTION THRU ROADWAY LOOKING NORTH



PROFILE GRADE LINE SB. LANE S.T.H. 110

TOTAL ESTIMATED QUANTITIES

BID ITEMS	UNIT	SUPER.	SOUTH ABUT.	NORTH ABUT.	PIER 1	PIER 2	PIER 3	PIER 4	TOTALS
EXCAVATION FOR STRUCTURES, BRIDGES, B-70-212	L.S.	——	——	——	——	——	——	——	1
STRUCTURE BACKFILL	C.Y.	——	154	154	——	——	——	——	308
CONCRETE MASONRY, BRIDGES	C.Y.	430	53	53	14	14	14	14	592
PROTECTIVE SURFACE TREATMENT	S.Y.	1460	——	——	——	——	——	——	1460
PRESTRESSED GIRDER, I TYPE, 28-INCH	L.F.	1560	——	——	——	——	——	——	1560
HIGH-STRENGTH BAR STEEL REINFORCEMENT, BRIDGES	LB.	——	2260	2260	4270	4270	4270	4270	21600
COATED HIGH-STRENGTH BAR STEEL REINFORCEMENT, BRIDGES	LB.	89930	1535	1530	——	——	——	——	92995
NON-LAMINATED ELASTOMERIC BEARING PADS	EACH	36	——	——	——	——	——	——	36
STEEL DIAPHRAGMS, STRUCTURE B-70-212	EACH	25	——	——	——	——	——	——	25
CAST-IN-PLACE CONCRETE PILING, DELIVERED AND DRIVEN, 10¾"	L.F.	——	455	455	——	——	——	——	910
CAST-IN-PLACE CONCRETE PILING, DELIVERED AND DRIVEN, 12"	L.F.	——	——	——	480	480	480	520	1960
RUBBERIZED MEMBRANE WATERPROOFING	S.Y.	——	8	8	——	——	——	——	16
HEAVY RIPRAP	C.Y.	——	65	45	——	——	——	——	110
PIPE UNDERDRAIN, 6-INCH	L.F.	——	61	61	——	——	——	——	122
PIPE UNDERDRAIN, UNPERFORATED, 6-INCH	L.F.	——	20	20	——	——	——	——	40
GEOTEXTILE FABRIC, TYPE DF	S.Y.	——	48	48	——	——	——	——	96
GEOTEXTILE FABRIC, TYPE HR	S.Y.	——	105	90	——	——	——	——	195
ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	4	——	——	——	——	——	——	4
OMP. READY MIXED CONCRETE MASONRY FOR BRIDGES	C.Y.	430	53	53	14	14	14	14	592
OMP. MASONRY STRENGTH INCENTIVE, READY-MIXED CONCRETE	DOL.	——	——	——	——	——	——	——	5920
NON-BID ITEMS									
FILLER	SIZE	——	——	——	——	——	——	——	½" & ¾"

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.

AT THE BACKFACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE IN PLACE BEFORE ABUTMENT CONSTRUCTION AND NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

AT ABUTMENTS CONCRETE POURED UNDER WATER WILL BE ALLOWED AND SHALL BE DONE IN ACCORDANCE WITH SECTION 502.3.6.3 OF THE STANDARD SPECIFICATIONS.

THE GRADATION OF THE STRUCTURE BACKFILL SHALL MEET THE REQUIREMENTS OF SECTION 209.2.2 OF THE STANDARD SPECIFICATIONS FOR GRADE 1 MATERIAL.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-212

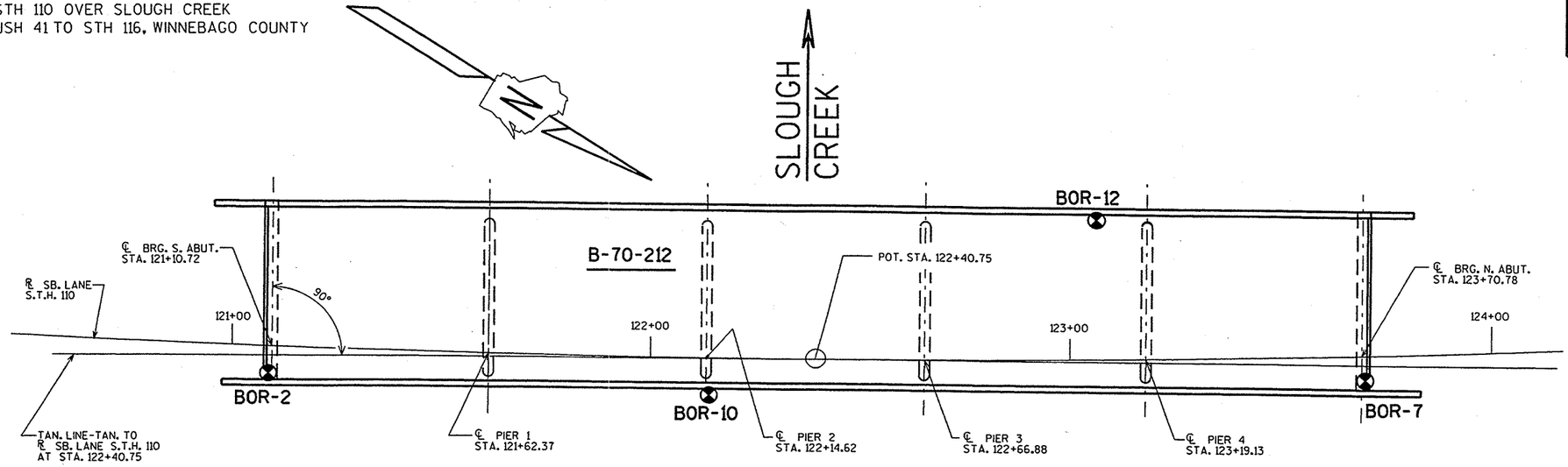
CONST. SPEC. 1996	DRAWN BY DDS	PLANS CK'D. CRJ

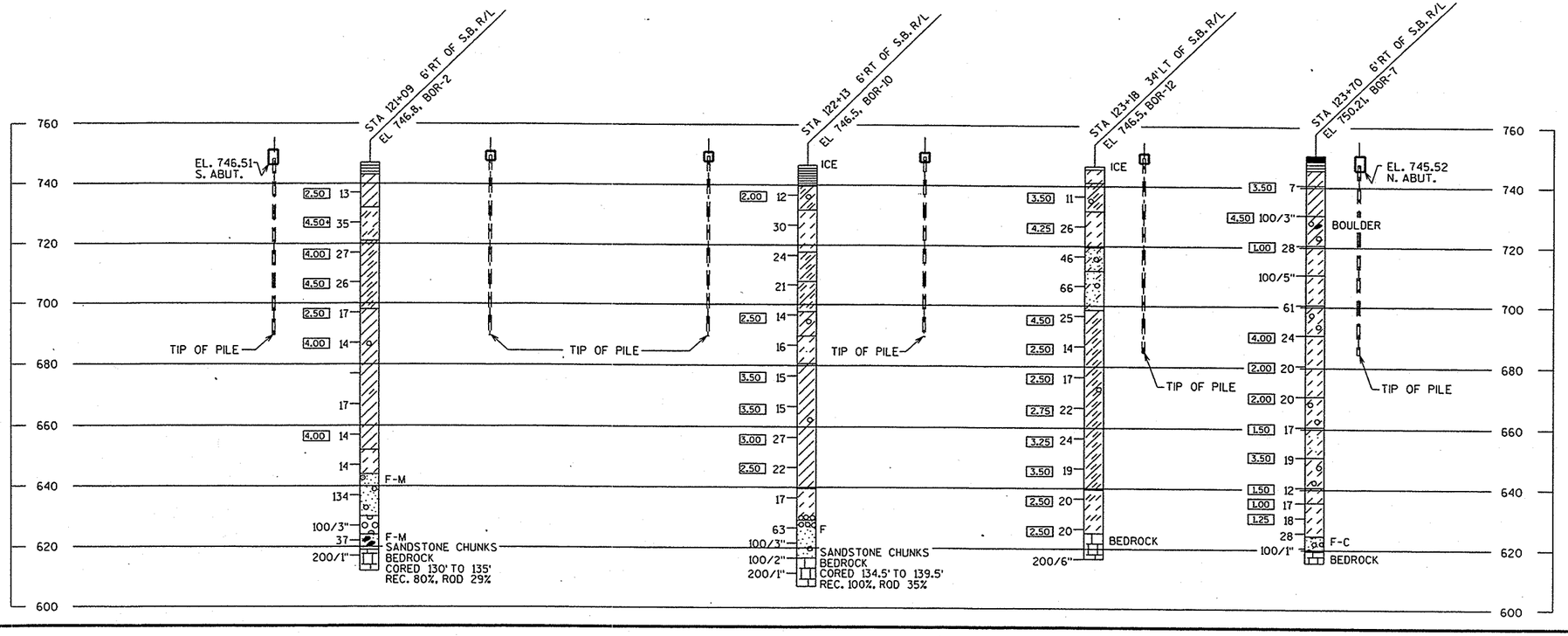
CROSS SECTION & QUANTITIES

SHEET 2

FILE= PREPLAN.DGN
SCALE = 4

STH 110 OVER SLOUGH CREEK
USH 41 TO STH 116, WINNEBAGO COUNTY





STATE PROJECT NUMBER	SHEET NO.
6200-05-71	8.18

ABBREVIATIONS

F — FINE M — MEDIUM C — COARSE
WS — WEATHERED SO — SOUND

MATERIAL SYMBOLS

TOPSOIL, SILT, SANDSTONE
SAND, PEAT, LIMESTONE
GRAVEL, CLAY, IGNEOUS ROCK

LEGEND OF PROBING

PROBING NO.
STA.
ELEVATION
7 AVERAGE BLOWS PER FOOT
REFUSAL 95/6

95/6=95 BLOWS FOR 6" PENETRATION
PROBING TAKEN WITH A 350#WT.
FALLING 18" ON A 2" O.D. POINT.

LEGEND OF BORING

BORING NO.
STA.
ELEV.
UNCONFINED STRENGTH → 7.7 7
BLOWS PER FT. USING 140# WT. FALLING 30"
WASH SAMPLE
SHELBY TUBE — S.T.
GROUND WATER ELEVATION
NO GROUND WATER OBSERVED ABOVE THIS ELEVATION
SANDY GRAVEL
F.
BOULDERS OR COBBLES
SAND
SILTY CLAY
SO
LIMESTONE

UNLESS OTHERWISE SPECIFIED, THE BLOWS PER FOOT AT THE LOCATIONS INDICATED ARE BASED ON DRIVING A O.D.X1 4" I.D. SPLIT SPOON SAMPLER WITH A 140# HAMMER HAVING A FREE FALL OF 30". THE BLOW COUNT IS TAKEN IN UNDISTURBED SOIL IMMEDIATELY BELOW A CASED OR OPEN HOLE ELIMINATING SIDE FRICTION ON THE DRIVE PIPE.

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

TO OBTAIN RELATIVE DATA CONCERNING THE CHARACTER OF MATERIAL IN AND UPON WHICH THE FOUNDATION MIGHT BE BUILT, BORINGS AND/OR SOUNDINGS WERE MADE AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING. THE DATA PRESENTED HEREIN REPRESENTS THE FINDINGS OF THE SUBSURFACE EXPLORATIONS MADE. HOWEVER, BECAUSE THE DEPTHS INVESTIGATED ARE LIMITED AND THE AREA OF THE BORINGS AND/OR SOUNDINGS IS VERY SMALL IN RELATION TO THE ENTIRE AREA, THE DIVISION OF HIGHWAYS DOES NOT WARRANT CONDITIONS BELOW THE DEPTHS INVESTIGATED OR THAT THE CLASSIFICATION OF MATERIAL ENCOUNTERED IN THESE INVESTIGATIONS IS NECESSARILY TYPICAL OF THE ENTIRE SITE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-212

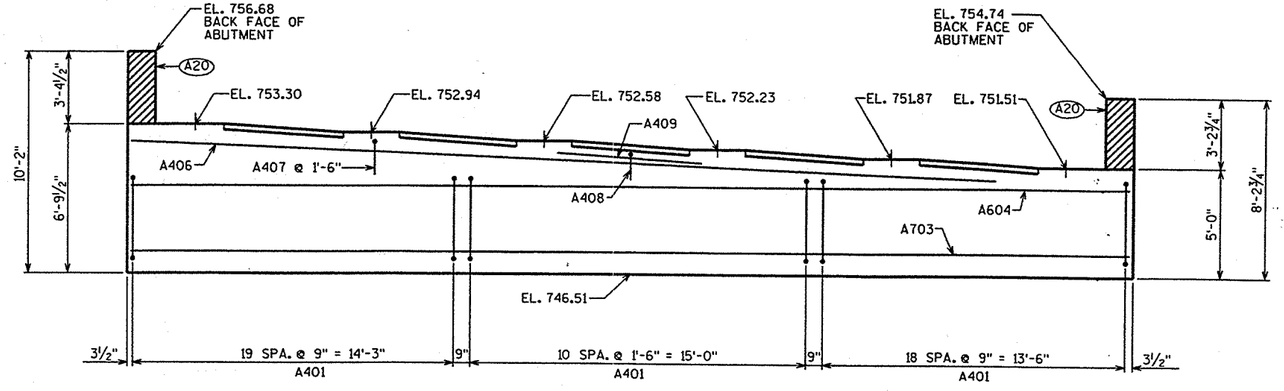
CONST. SPEC. 1996	DRAWN BY DDS	PLANS CK'D. CRJ

SUBSURFACE EXPLORATION

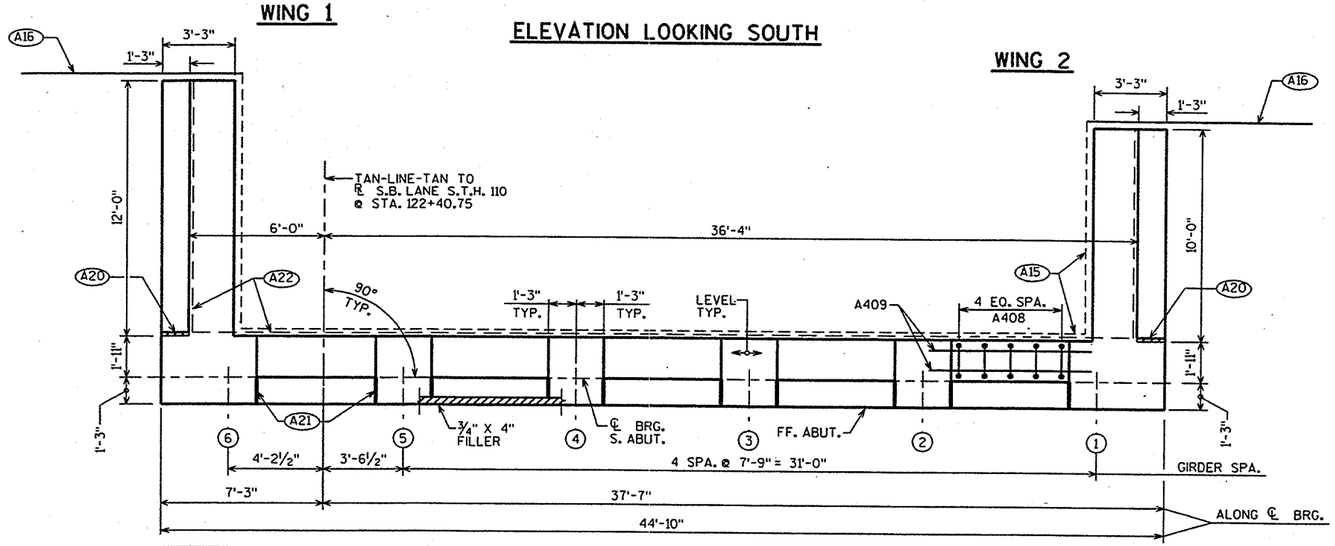
SHEET 3

FILE= 70212SOILS.DGN
SCALE =

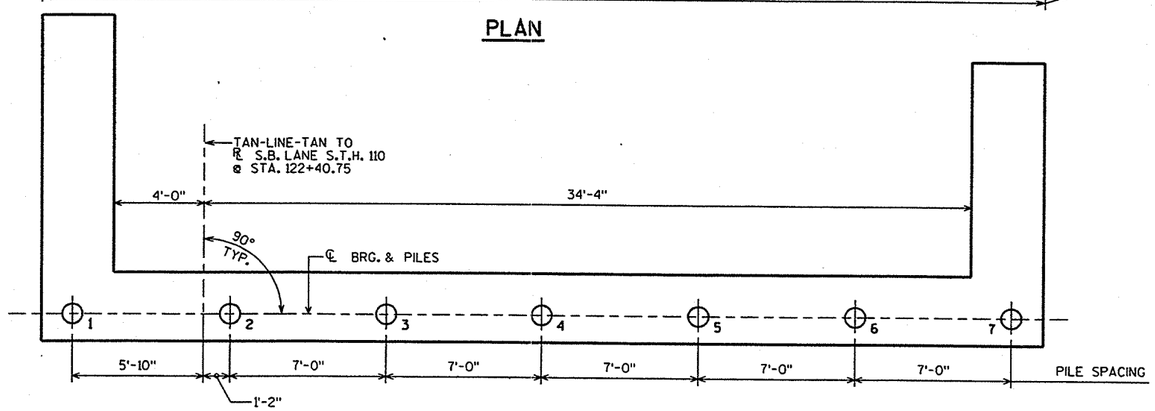
STATE PROJECT NUMBER	SHEET NO.
6200-05-71	8.19



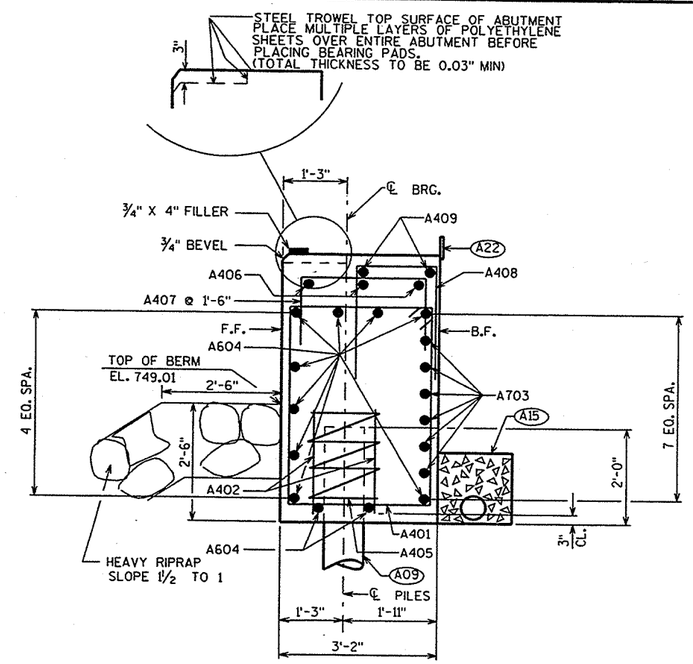
ELEVATION LOOKING SOUTH



PLAN



PILE PLAN



SECTION THRU BODY

(A09) SUPPORT ABUTMENT ON 10¾" DIA. CAST-IN-PLACE CONCRETE PILING. ESTIMATED 65'-0" LONG, AND DRIVEN TO A MIN. BRG. VALUE OF 55 TONS PER PILE.

(A15) PIPE UNDERDRAINS, 6 INCH. SLOPE TO DRAIN. ENCLOSED IN 1'-6" X 1'-6" AREA OF SIZE 1 COARSE AGGREGATE (INCLUDED IN UNDERDRAIN BID ITEM) WRAPPED IN GEOTEXTILE FABRIC, TYPE DF.

(A16) PIPE UNDERDRAIN, 6 INCH, UNPERFORATED. TO SUITABLE DRAINAGE.

(A20) 1/2" FILLER (INCLUDED IN WING LENGTH):SEAL EXPOSED HORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(A21) 3/4" CORK UP VERT. FACES OF BEAM SEATS.

(A22) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

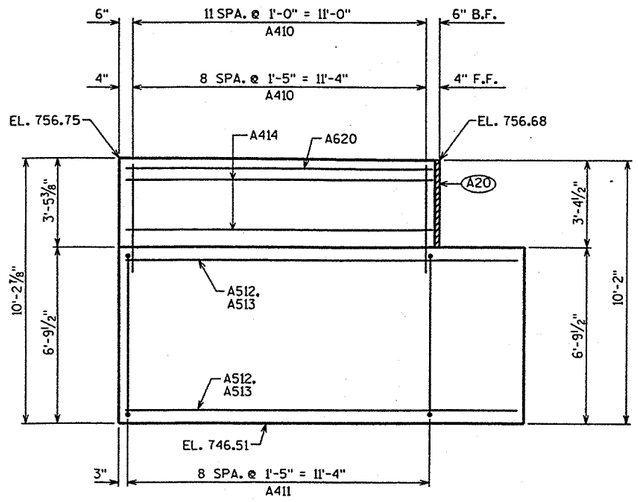
STRUCTURE B-70-212

CONST. SPEC.	DRAWN BY	PLANS CK'D.
1996	DDS	CRJ

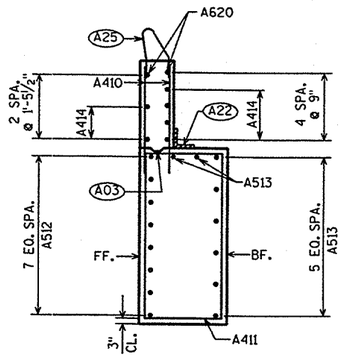
SOUTH ABUTMENT

SHEET 4

STATE PROJECT NUMBER	SHEET NO.
6200-05-71	8.20



WING 1 ELEVATION



WING 1 SECTION

(A03) OPTIONAL CONST. JOINT: KEYWAY FORMED BY BEVELED 2 × 6. (18" R.M.W. @ B.F. & 3/4" "V" GROOVE @ F.F. IF JOINT IS USED).

(A20) 1/2" FILLER (INCLUDED IN WING LENGTH):SEAL EXPOSED HORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

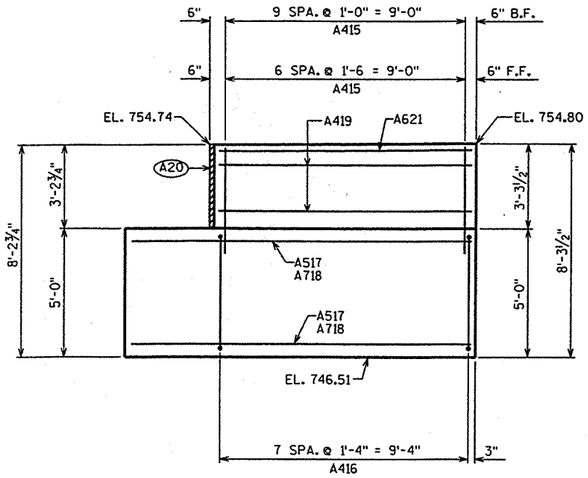
(A22) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

(A25) FOR PARAPET BARS & DIMENSION SEE PARAPET SHT. 13

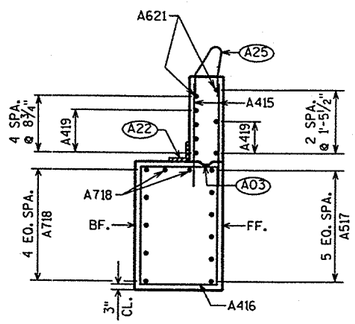
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

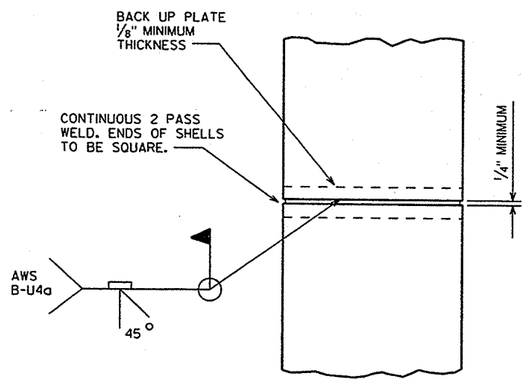
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A401		50	14'-10"	X		BODY-STIRRUPS
A402		14	2'-3"			PILES- 2 PER BODY PILE
A703		6	44'-6"			BODY-HORIZ.-B.F.
A604		11	44'-6"			BODY-HORIZ.-F.F.
A405		7	28'-0"	X		PILES-1 PER BODY PILE
A406		3	38'-6"			BODY-HORZ. OVER GIRS. 2-6
A407		26	8'-0"	X		BODY-VERT. OVER GIRS. 2-6
A408		25	3'-11"	X		BODY-VERT. (BETWEEN BEAM SEATS)
A409		10	7'-3"			BODY-HORIZ. (BETWEEN GIRDERS)
A410	X	21	4'-10"			WING 1-VERT.-F.F.-B.F.
A411	X	9	19'-0"	X		WING 1-STIRRUP
A512	X	8	14'-10"			WING 1-HORIZ.-F.F.
A513	X	8	13'-7"			WING 1-HORIZ.-B.F.
A414	X	6	11'-8"			WING 1-HORIZ.-F.F.-B.F.
A415	X	17	4'-10"			WING 2-VERT.-F.F.-B.F.
A416	X	8	15'-6"	X		WING 2-STIRRUP
A517	X	6	12'-10"			WING 2-HORIZ.-F.F.
A718	X	7	12'-8"			WING 2-HORIZ.-B.F.
A419	X	6	9'-8"			WING 2-HORIZ.-F.F.-B.F.
A620	X	2	11'-8"			WING 1-HORIZ.
A621	X	2	9'-8"			WING 2-HORIZ.



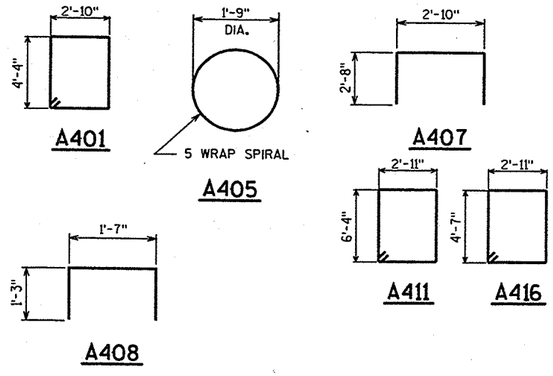
WING 2 ELEVATION



WING 2 SECTION



PILE SPLICE DETAIL



NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

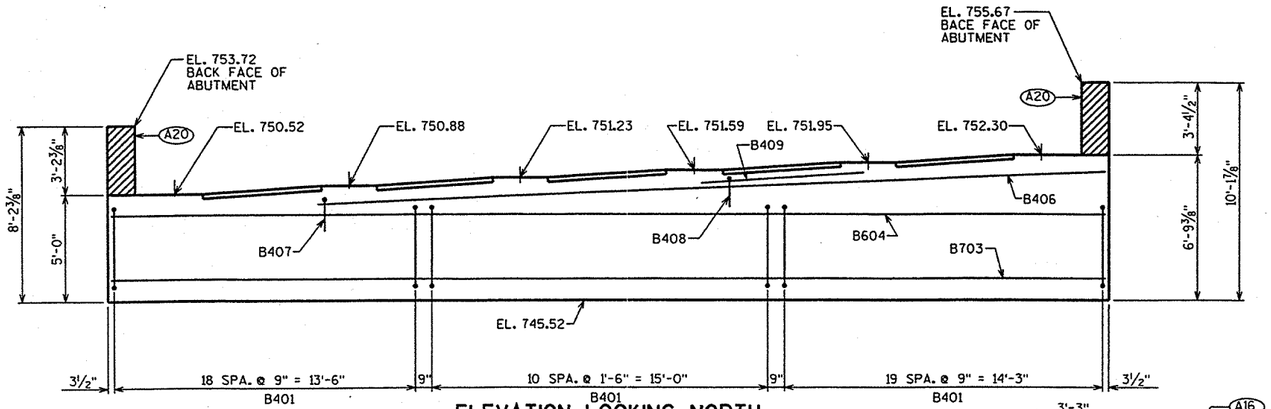
STRUCTURE B-70-212

CONST. SPEC.	DRAWN BY	PLANS CK'D.
1996	DDS	CRJ

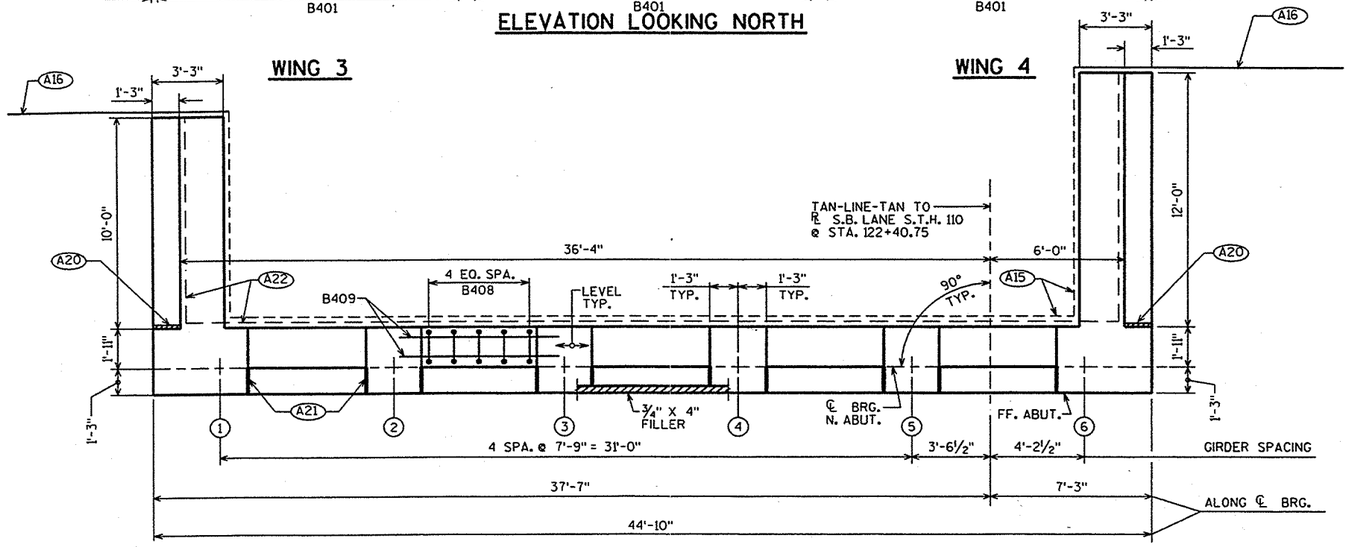
SOUTH ABUTMENT DETAILS

SHEET 5

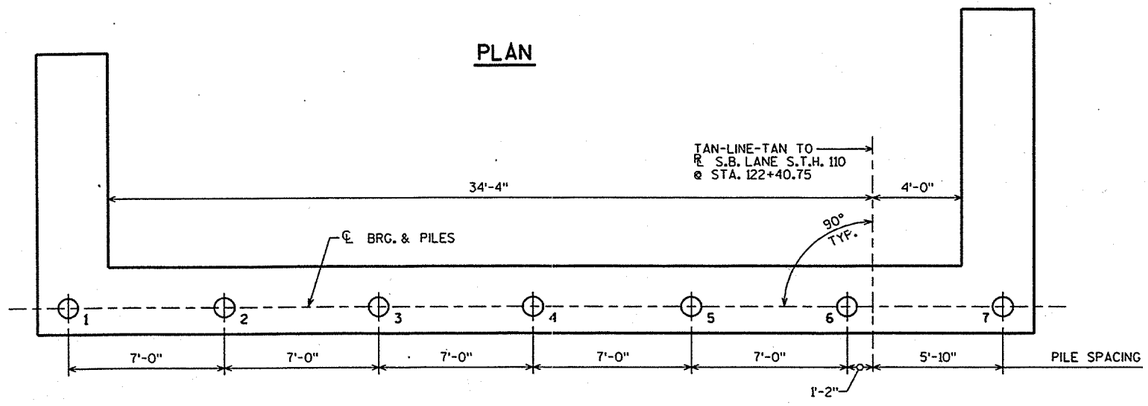
STATE PROJECT NUMBER	SHEET NO.
6200-05-71	8.21



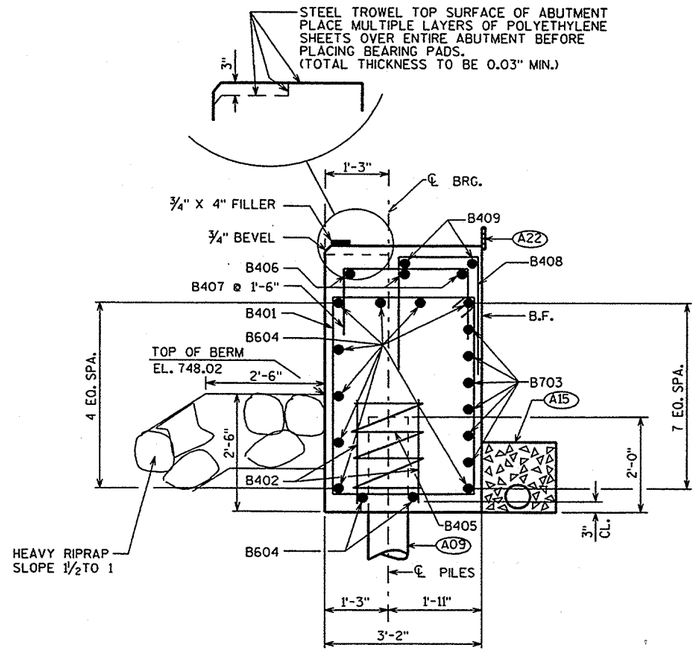
ELEVATION LOOKING NORTH



PLAN



PILE PLAN



SECTION THRU BODY

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(A20) 1/2" FILLER (INCLUDED IN WING LENGTH):SEAL EXPOSED HORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(A21) 3/4" CORK UP VERT. FACES OF BEAM SEATS.

(A22) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

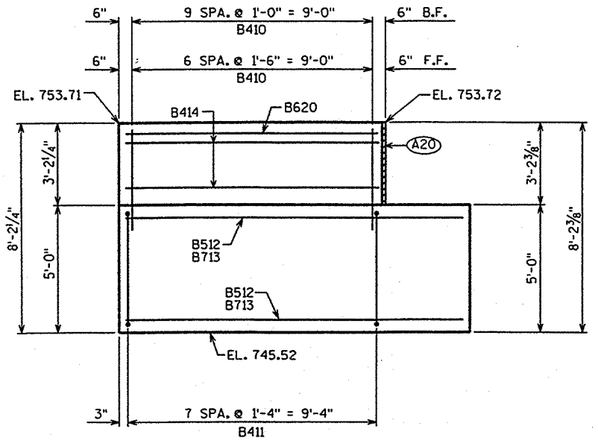
STRUCTURE B-70-212

CONST. SPEC.	DRAWN BY	PLANS CK'D.
1996	DDS	CRJ

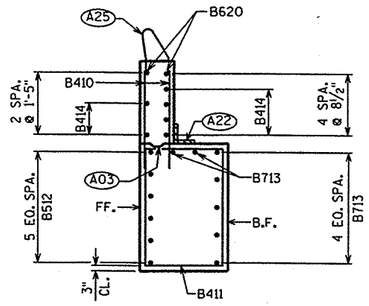
NORTH ABUTMENT

SHEET 6

STATE PROJECT NUMBER	SHEET NO.
6200-05-71	8.22



WING 3 ELEVATION



WING 3 SECTION

(A03) OPTIONAL CONST. JOINT: KEYWAY FORMED BY BEVELED 2 × 6. (18" R.M.W. @ B.F. & 3/4" "V" GROOVE @ F.F. IF JOINT IS USED).

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(A25) FOR PARAPET BARS & DIMENSION SEE PARAPET SHT. 13

BILL OF BARS

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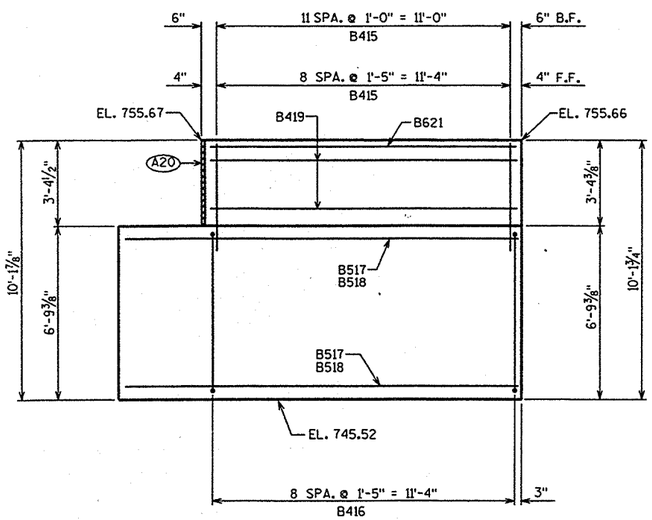
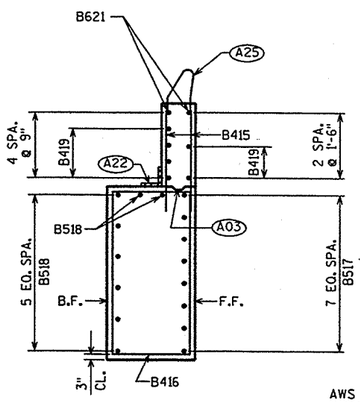
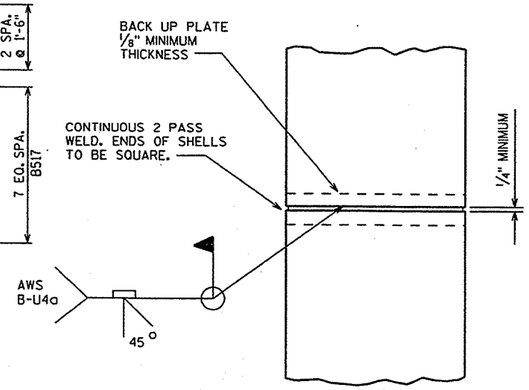
B408		25	3'-11"	X		BODY-VERT. (BETWEEN BEAM SEATS)
B409		10	7'-3"			BODY-HORIZ. (BETWEEN GIRDERS)
B410	X	17	4'-6"			WING 3-VERT.-F.F.-B.F.
B411	X	8	15'-6"	X		WING 3-STIRRUP
B512	X	6	12'-10"			WING 3-HORIZ.-F.F.
B713	X	7	12'-8"			WING 3-HORIZ.-B.F.
B414	X	6	9'-8"			WING 3-HORIZ.-F.F.-B.F.
B415	X	21	4'-8"			WING 4-VERT.-F.F.-B.F.
B416	X	9	19'-0"	X		WING 4-STIRRUP
B517	X	8	14'-10"			WING 4-HORIZ.-F.F.
B518	X	8	13'-7"			WING 4-HORIZ.-B.F.
B419	X	6	11'-8"			WING 4-HORIZ.-F.F.-B.F.
B620	X	2	9'-8"			WING 3-HORIZ.
B621	X	2	11'-8"			WING 4-HORIZ.



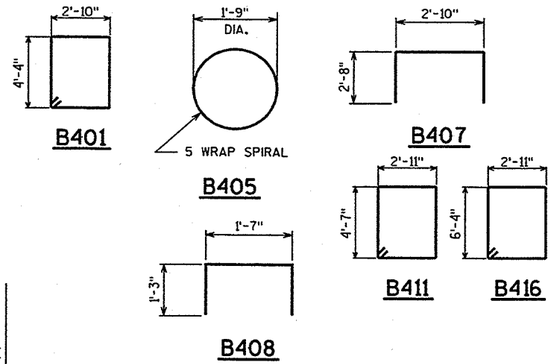
WING 4 ELEVATION



WING 4 SECTION



PILE SPLICE DETAIL



NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-212

CONST. SPEC. 1996	DRAWN BY DDS	PLANS CK'D. CRJ

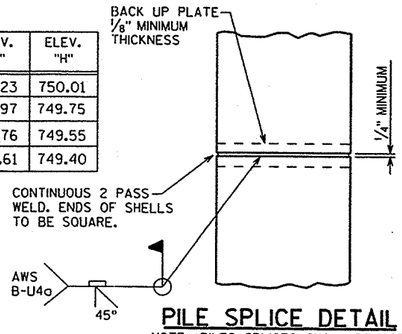
NORTH ABUTMENT DETAILS

SHEET 7

STATE PROJECT NUMBER	SHEET NO.
6200-05-71	8.23

PIER ELEVATIONS

	ELEV. "A"	ELEV. "B"	ELEV. "C"	ELEV. "D"	ELEV. "E"	ELEV. "F"	ELEV. "G"	ELEV. "H"
PIER #1	751.23	751.58	751.94	752.30	752.67	753.01	748.23	750.01
PIER #2	750.97	751.33	751.68	752.04	752.41	752.75	747.97	749.75
PIER #3	750.76	751.12	751.48	751.83	752.20	752.55	747.76	749.55
PIER #4	750.61	750.97	751.33	751.68	752.05	752.40	747.61	749.40



PILE SPLICE DETAIL

NOTE: PILES SPLICES SHALL BE MADE BY A CERTIFIED WELDER USING LOW HYDROGEN ELECTRODES

(P03) P504 BARS @ 1'-0" CTRS. BETWEEN BEAM SEATS. MAY BE PLACED AFTER CONCRETE IS POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE. (EMBED 1'-0" INTO CONC.)

(P08) KEYED CONSTRUCTION JOINT-FORMED BY BEVELED 2 x 6 BETWEEN BEAM SEATS.

(P09) SUPPORT PIERS ON 12" DIA. CAST-IN-PLACE CONCRETE PILING, DRIVEN TO A MIN. BRG. VALUE OF 55 TONS PER PILE. (.375" MIN. WALL THK. REQ'D. FOR ALL PILING.) (TYP. ALL PIERS)

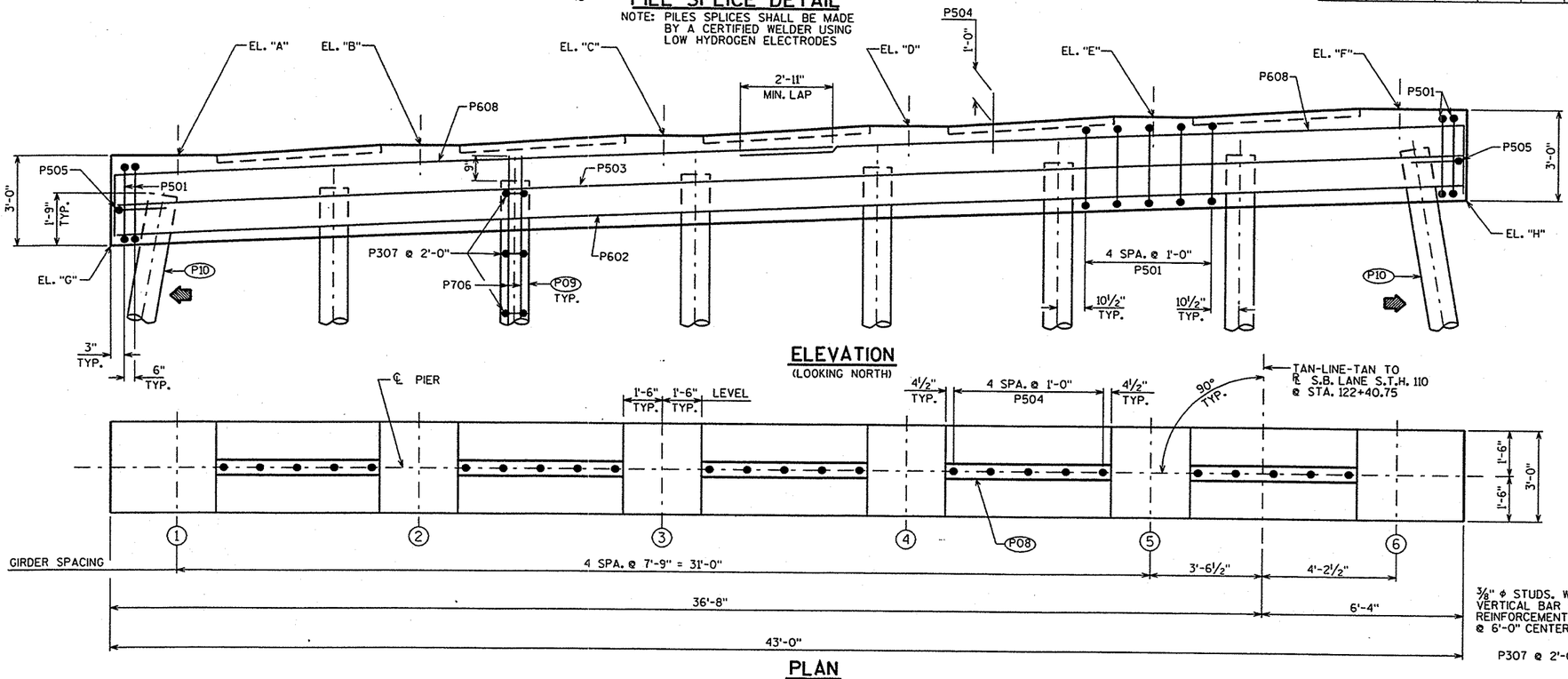
PIER #1 - ESTIMATED LENGTH 60'-0"
PIER #2 - ESTIMATED LENGTH 60'-0"
PIER #3 - ESTIMATED LENGTH 60'-0"
PIER #4 - ESTIMATED LENGTH 65'-0"

(P10) INDICATES PILE BATTERED 2" PER FT. IN DIRECTION OF ARROW.

BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

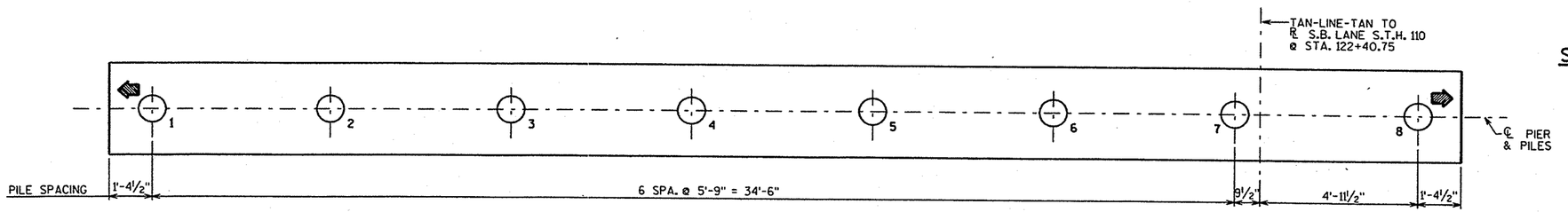
BAR MARK	COAT	NO. REQ'D. PIER 1	PIER 2	PIER 3	PIER 4	LENGTH	BENT	BAR SERIES	LOCATION
P501		39	39	39	39	11'-0"	X		CAP-STIRRUPS
P602		4	4	4	4	42'-6"			CAP-BOTTOM-HORIZ.
P503		2	2	2	2	42'-6"			CAP-SIDES-HORIZ.
P504		25	25	25	25	2'-0"			CAP-DOWELS
P505		2	2	2	2	5'-2"	X		CAP-ENDS
P706		48	48	48	48	30'-0"			PILES-VERT.
P307		128	128	128	128	3'-8"	X		PILES-HORIZ.
P608		8	8	8	8	24'-9	X		CAP-TOP-HORIZ.



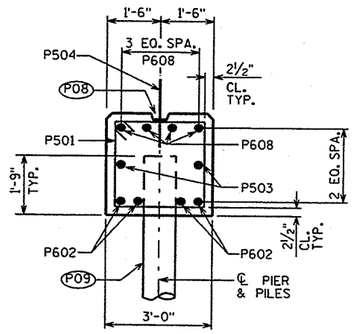
ELEVATION

(LOOKING NORTH)

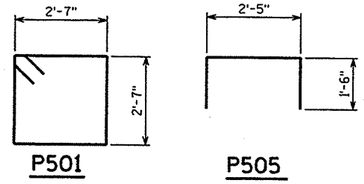
PLAN



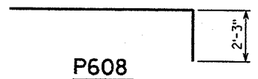
PILE PLAN



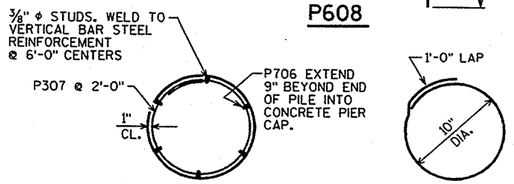
SECTION THRU CAP



P501 P505



P608



SECTION THRU PILE P307

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-212

CONST. SPEC.	1996	DRAWN BY	DDS	PLANS CK'D.	CRJ

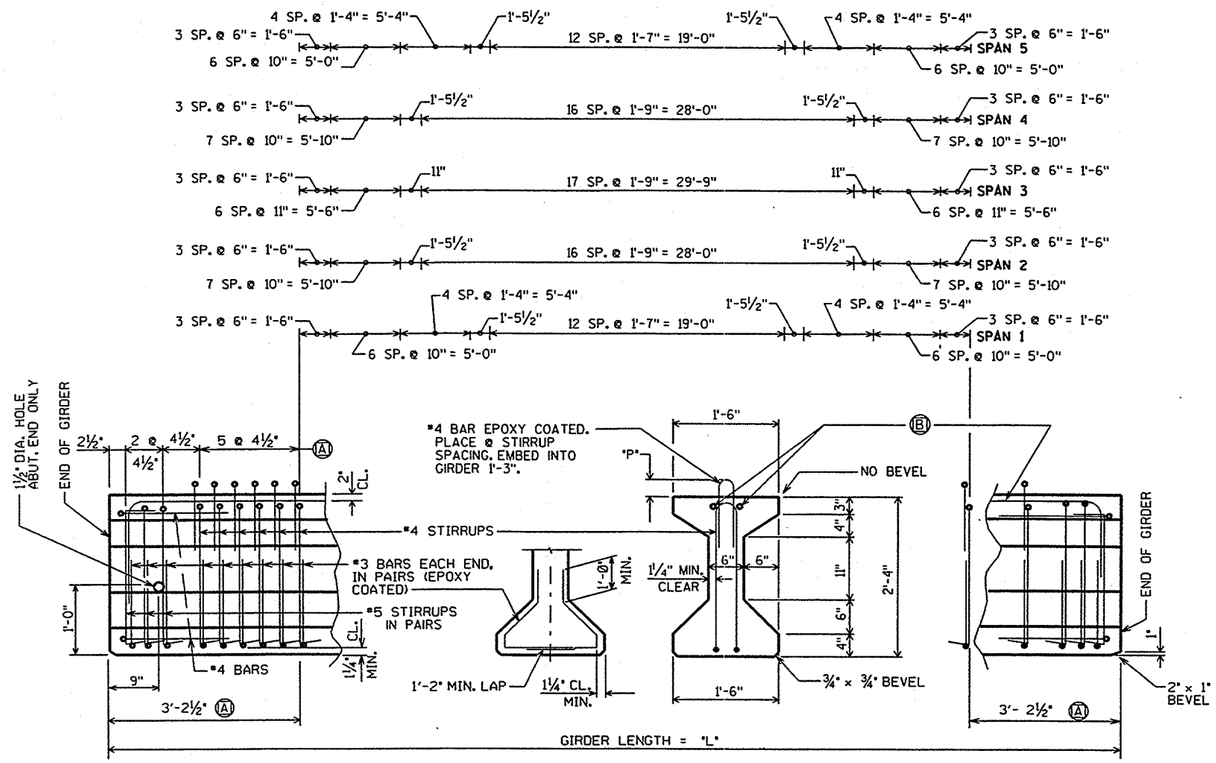
PIERS 1 THRU 4

SHEET 8

FILE= 7012PIER.DGN

SCALE = 2

STATE PROJECT NUMBER	SHEET NO.
6200-05-71	8.24



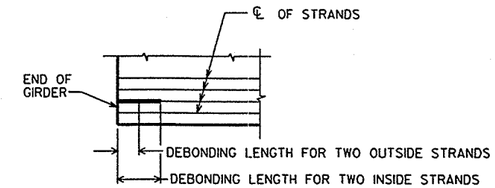
SIDE VIEW & TYP. SECTION IN SPAN

Ⓐ DETAIL TYP. AT EACH END

Ⓑ 2-#4 BARS BEND DOWN 16 BAR DIA. AT ENDS
1'-1" MINIMUM LAP (TYP. - ALL SPANS)

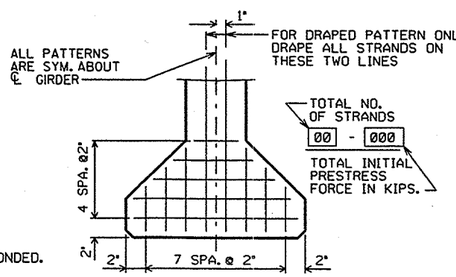
DRAPED PATTERN

UNDRAPED PATTERN

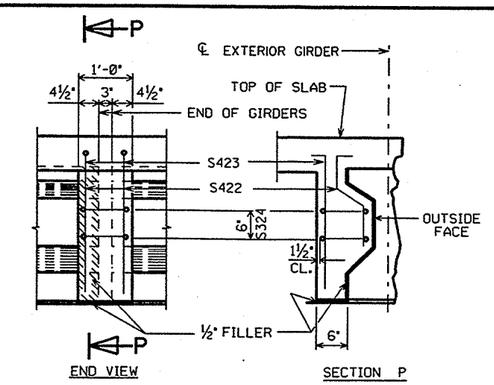


BOND BREAKER DETAIL

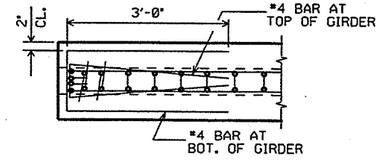
SHOWING LENGTHS OF DEBONDING FROM END OF GIRDER.



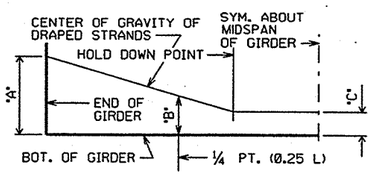
TYP. STRAND PATTERN



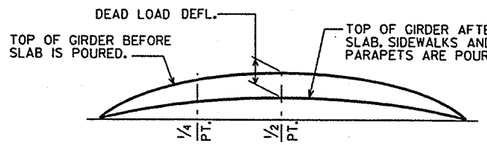
PILASTER DETAILS AT PIERS



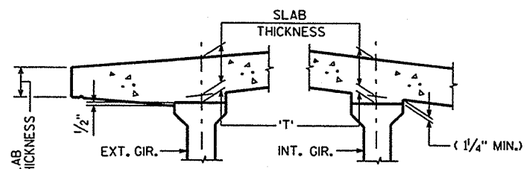
TOP VIEW OF GIRDER ENDS



DRAPED STRAND PROFILE



DEAD LOAD DEFLECTION DIAGRAM



SLAB HAUNCH DETAIL

IF 1¼" MINIMUM HAUNCH HEIGHT AT EDGE OF GIRDER CANNOT BE MAINTAINED, THE GRADE LINE MAY BE REVISED BY THE ENGINEER AT THE OPTION OF THE CONTRACTOR. THE PLAN SLAB THICKNESS SHALL BE HELD. NOTIFY BRIDGE OFFICE FOR HAUNCH HEIGHTS OVER 4".

TO DETERMINE 'T', ELEV. OF TOP OF GIR'S. AT ℄ OF SUBSTRUCTURE UNITS & AT ¼ POINTS OF EACH SPAN SHALL BE TAKEN. THEN FOLLOW THIS PROCESS:

TOP OF DECK ELEV. AT FINAL GRADE
- TOP OF GIRDER ELEVATION
+ DEAD LOAD DEFLECTION
- SLAB THICKNESS
= HAUNCH HEIGHT 'T'

GIRDER NOTES

TOP OF GIRDER TO BE ROUGH FLOATED AND BROOMED TRANSVERSELY, EXCEPT THE OUTSIDE 2" OF GIRDER, WHICH SHALL BE TROWEL FINISHED.

THE GIRDERS SHALL BE PROVIDED WITH A SUITABLE LIFTING DEVICE FOR HANDLING AND ERECTING THE GIRDERS.

PRESTRESSING STRANDS SHALL BE 0.6"ϕ - 7 WIRE LOW-RELAXATION STRANDS WITH AN ULTIMATE STRENGTH OF 270,000 psi AND SHALL BE FLUSH WITH THE ENDS OF THE GIRDER.

BEND EACH END OF #4 STIRRUPS 4½" AND #5 STIRRUPS 6".

FOR DIAPHRAGM INSERT & CONNECTION DETAILS SEE "STEEL DIAPHRAGM" SHEET.

ALL GIRDERS SHALL BE CAST FULL LENGTH AS SHOWN.

SPACING SHOWN FOR #4 STIRRUPS IS FOR GRADE 60 REINFORCEMENT. IF THE FABRICATOR WANTS TO BUILD A BAR STEEL CAGE BY WELDING LONGITUDINAL REINFORCEMENT TO THE #4 STIRRUPS, 2 OPTIONS ARE AVAILABLE:

1. USE ASTM A706, GRADE 60 REINFORCEMENT AND THE STIRRUP SPACING AS SHOWN ON THE PLANS.
2. USE ASTM A615, GRADE 40 REINFORCEMENT AND A MODIFIED STIRRUP SPACING SUBMITTED TO AND APPROVED BY THE STRUCTURES DEVELOPMENT SECTION.

AN ALTERNATE EQUIVALENT OF WELDED WIRE FABRIC (WWF) MAY BE SUBSTITUTED FOR THE STIRRUP REINFORCEMENT SHOWN, UPON APPROVAL OF THE STRUCTURES DEVELOPMENT SECTION

WELDED WIRE FABRIC SHALL CONFORM TO THE REQUIREMENTS OF ASTM A497.

*MINIMUM CYLINDER STRENGTH OF CONCRETE @ TIME OF TRANSFER OF PRESTRESS FORCE.

GIRDER DATA

SPAN	GIRDER LENGTH "L"	DEAD LOAD DEFL. (IN.) ⅛	¼	⅜	½	CONC. STRGTH. f'c (P.S.I.)	"P"	DIA. OF STRAND	DRAPED PATTERN TOTAL NO. OF STRANDS	f'ci (P.S.I.) *	(IN.) "A"	"B" MIN.	"B" MAX.	"C"	UNDRAPED PATTERN TOTAL NO. OF STRANDS	f'ci (P.S.I.) *
1	52.00	0.33	0.57	0.71	0.76	7500	6	0.60	12	5500	25.00	8.50	11.25	3.00	0	0
2	52.00	0.35	0.59	0.74	0.79	7500	6	0.60	12	5500	25.00	8.50	11.25	3.00	0	0
3	52.00	0.35	0.59	0.74	0.79	7500	6	0.60	12	5500	25.00	8.50	11.25	3.00	0	0
4	52.00	0.35	0.59	0.74	0.79	7500	6	0.60	12	5500	25.00	8.50	11.25	3.00	0	0
5	52.00	0.33	0.57	0.71	0.76	7500	6	0.60	12	5500	25.00	8.50	11.25	3.00	0	0

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-212

CONST. SPEC. 1996 | DRAWN BY DDS | PLANS CK'D. CRJ

28" PRESTRESSED GIRDER DETAILS

SHEET 9

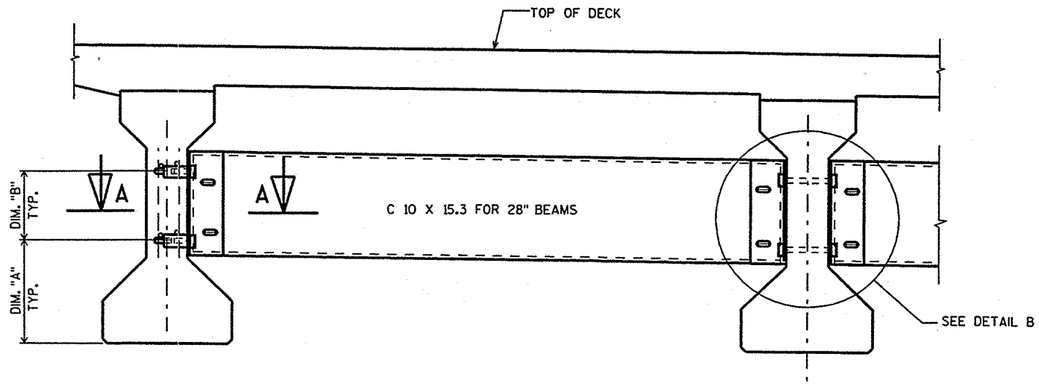
LV = 12345 7 9

FILE= 70212GIR.DGN
SCALE =

STATE PROJECT NUMBER	SHEET NO.
6200-05-71	8.25

TABLE

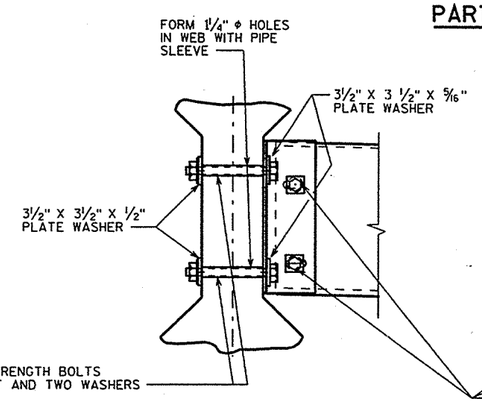
GIRDER HEIGHT	DIM. "A"	DIM. "B"	DIM. "L"	DIM. "X"
28"	1'-0 7/8"	5 7/8"	9 1/2"	2 1/4"
~~36"~~	~~1'-2 7/8"~~	~~9 7/8"~~	~~1'-1 1/2"~~	~~3 1/4"~~
~~45"~~	~~1'-5 3/8"~~	~~1'-1 7/8"~~	~~1'-5 1/2"~~	~~2 1/4"~~
~~54"~~	~~1'-7 7/8"~~	~~1'-5 7/8"~~	~~1'-9 1/2"~~	~~4 1/4"~~
~~54"~~	~~1'-9 1/8"~~	~~1'-5 7/8"~~	~~1'-9 1/2"~~	~~4 1/4"~~



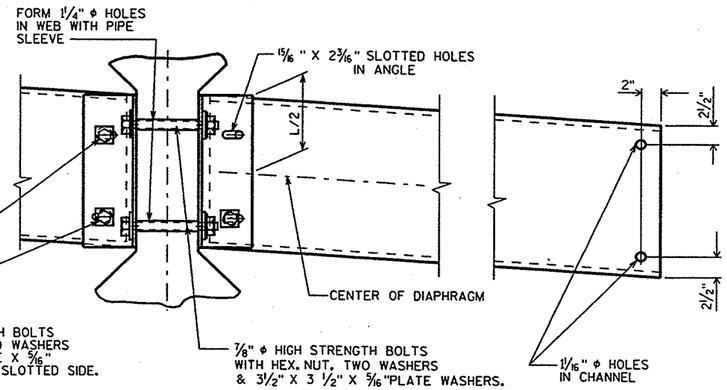
EXTERIOR GIRDER

INTERIOR GIRDER

PART TRANSVERSE SECTION AT DIAPHRAGM



(FOR STAGGERED DIAPHRAGM)



(FOR CONTINUOUS LINE OF DIAPHRAGMS)

DETAIL B

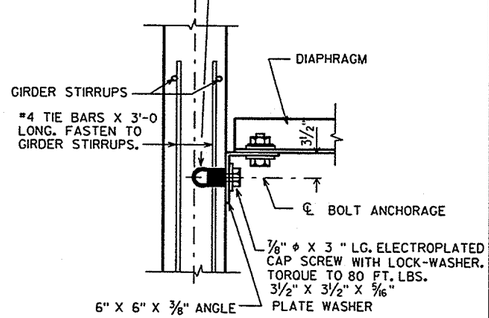
NOTES

ALL DIAPHRAGM MATERIAL NOT EMBEDDED IN THE CONCRETE GIRDER SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "STEEL DIAPHRAGM", STRUCTURE, EACH.

EACH DIAPHRAGM BETWEEN GIRDERS SHALL CONSTITUTE ONE UNIT.

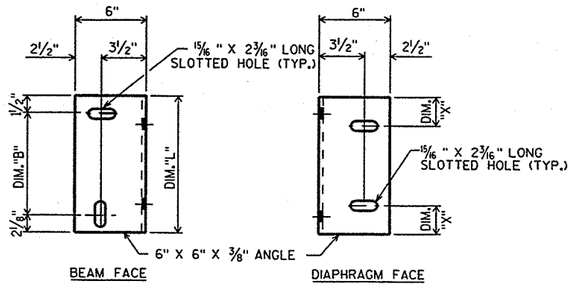
ALL DIAPHRAGM STRUCTURAL STEEL SHALL BE ASTM A709 GRADE 36. ALL BOLTS, NUTS AND WASHERS SHALL BE ASTM A325 TYPE 1.

ALL DIAPHRAGM STRUCTURAL STEEL SHOWN SHALL BE HOT-DIPPED GALVANIZED. ALL BOLTS, NUTS AND WASHERS SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A153 CLASS C. GALVANIZED NUTS SHALL BE TAPPED OVERSIZE IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM A563 AND SHALL MEET THE REQUIREMENTS OF SUPPLEMENTARY REQUIREMENT S1 OF ASTM A563, LUBRICANT AND TEST FOR COATED NUTS.



SECT. A-A

(FOR EXTERIOR ATTACHMENT)



DIAPHRAGM SUPPORT

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-212

CONST. SPEC.	1996	DRAWN BY	DDS	PLANS CK'D.	CRJ

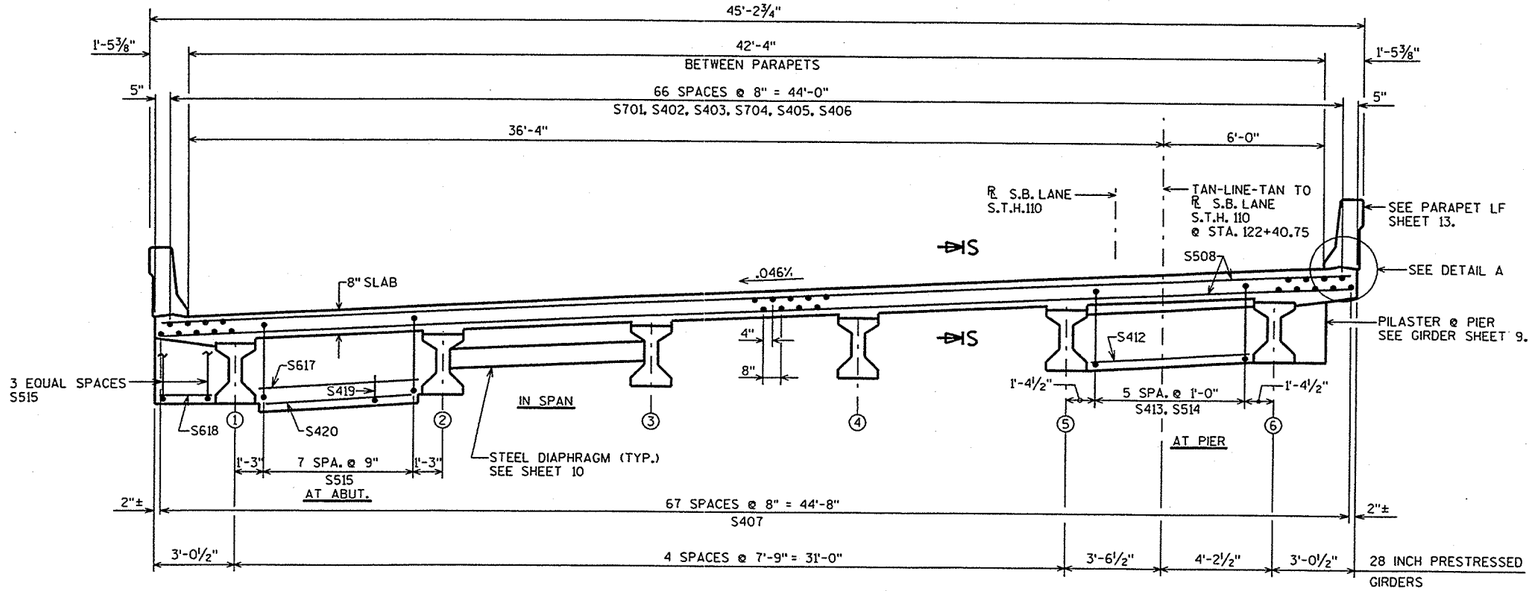
STEEL DIAPHRAGM

SHEET 10

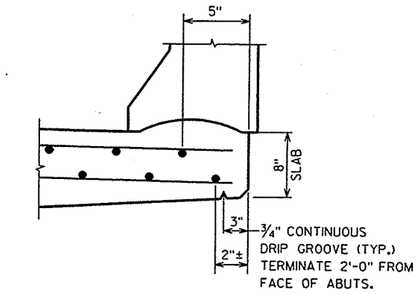
FILE= 70212DIA.DGN
SCALE =

SCALE = 12.000000 '/IN

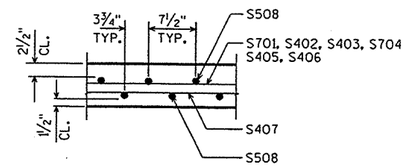
STATE PROJECT NUMBER	SHEET NO.
6200-05-71	8.26



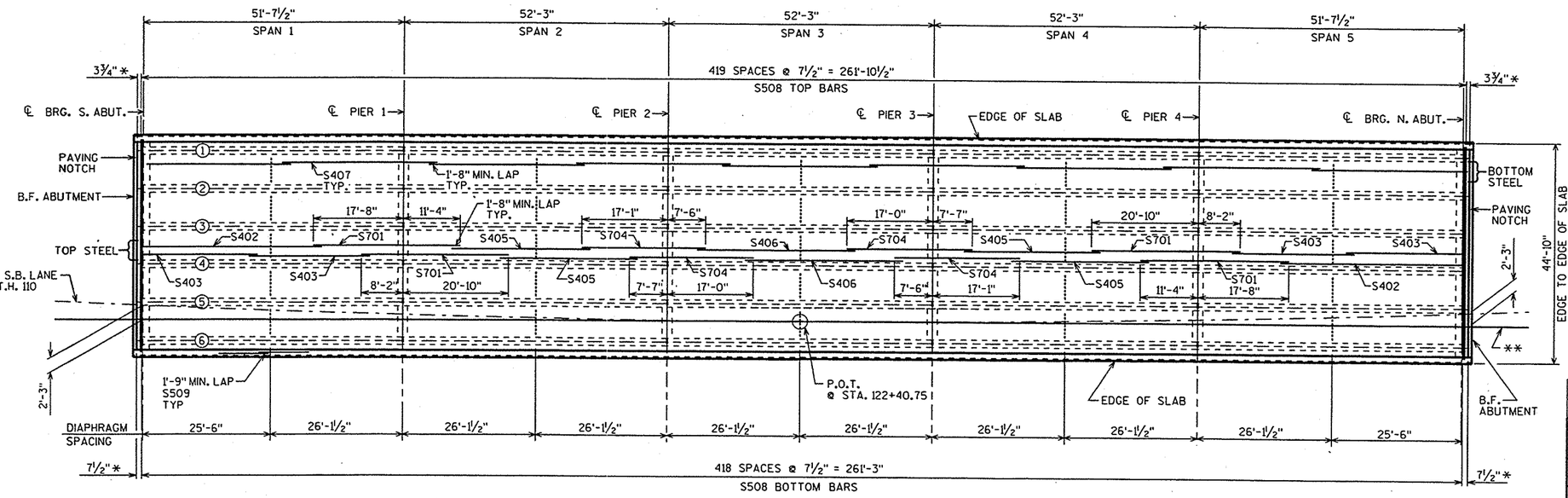
CROSS SECTION THRU ROADWAY
(LOOKING NORTH)



DETAIL A



SECTION S-S



PLAN

* DISTANCE MEASURED TO END OF SLAB (@ PAVING NOTCH).

** TAN-LINE-TAN TO ℄ S.B. LANE S.T.H. 110 @ STA. 122+40.75

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

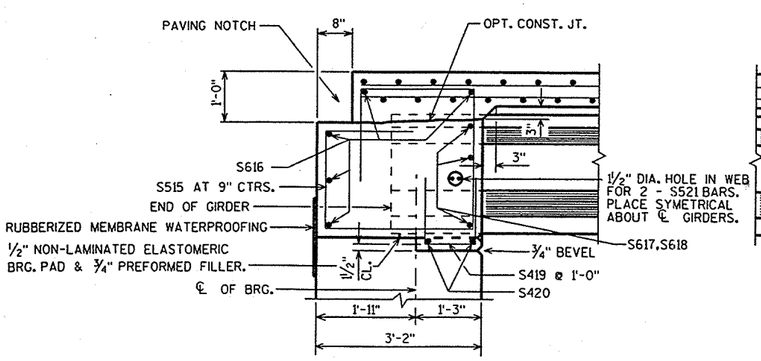
STRUCTURE B-70-212

CONST. SPEC.	DRAWN BY	PLANS CK'D.
1996	DDS	CRJ

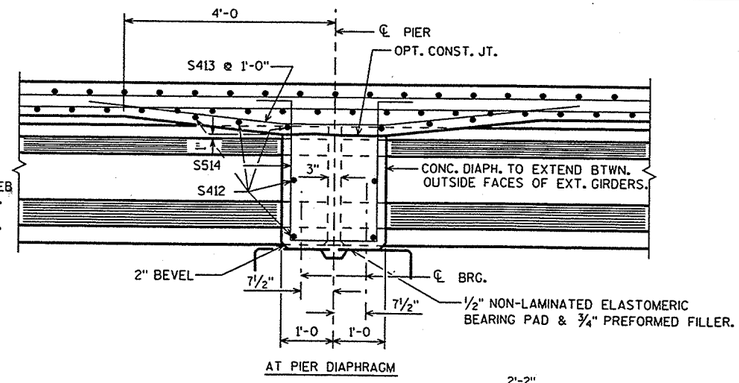
SUPERSTRUCTURE

SHEET 11

STATE PROJECT NUMBER	SHEET NO.
6200-05-71	8.27

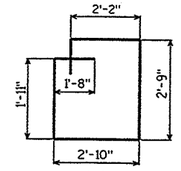


AT ABUTMENTS

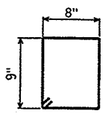


AT PIER DIAPHRAGM

PART LONGIT. SECTION



S515



S324

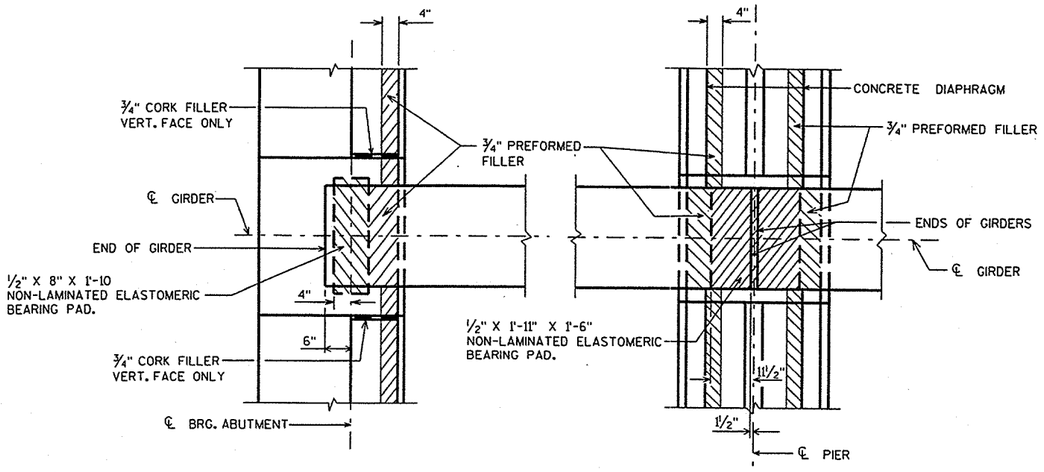
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

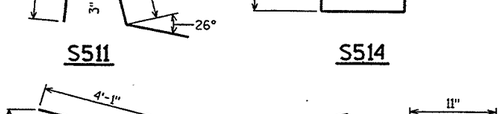
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
S701	X	134	29'-0"			LONGITUDINAL CONTINUITY
S402	X	67	36'-8"			LONGITUDINAL TOP
S403	X	134	23'-11"			LONGITUDINAL TOP
S704	X	134	24'-7"			LONGITUDINAL CONTINUITY ,
S405	X	134	27'-2"			LONGITUDINAL TOP
S406	X	67	31'-1"			LONGITUDINAL TOP
S407	X	612	30'-9"			LONGITUDINAL BOTTOM
S508	X	839	44'-6"			TRANSVERSE TOP AND BOTTOM
S509	X	70	39'-2"			PARAPET LF-HORIZ.
S510	X	792	4'-10"	X		PARAPET LF-VERT.
S511	X	792	4'-9"	X		PARAPET LF-VERT.
S412	X	200	5'-11"			PIER DIAPHRAGM-HORIZ.
S413	X	120	10'-2"	X		PIER DIAPHRAGM-VERT.
S514	X	120	8'-2"	X		PIER DIAPHRAGM-VERT.
S515	X	96	12'-9"	X		ABUT. DIAPHRAGM-VERT.
S616	X	20	24'-0"			ABUT. DIAPHRAGM-HORIZ.
S617	X	30	5'-11"			ABUT. DIAPHRAGM-HORIZ.
S618	X	12	2'-0"			ABUT. DIAPHRAGM-HORIZ.
S419	X	60	3'-3"	X		ABUT. DIAPHRAGM-VERT.
S420	X	20	4'-11"			ABUT. DIAPHRAGM-HORIZ.
S521	X	24	6'-0"			ABUT. DIAPHRAGM @ GIRDERS
S422	X	16	2'-9"	X		PIER PILASTER
S423	X	16	3'-3"	X		PIER PILASTER
S324	X	16	3'-4"	X		PIER PILASTER

TOP OF DECK ELEVATIONS

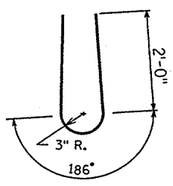
	S. ABUT.	1/4	2/4	3/4	PIER 1	1/4	2/4	3/4	PIER 2	1/4	2/4	3/4	PIER 3	1/4	2/4	3/4	PIER 4	1/4	2/4	3/4	N. ABUT.
GIR. 1	754.81	754.73	754.66	754.59	754.52	754.45	754.38	754.32	754.26	754.20	754.15	754.10	754.05	754.01	753.97	753.94	753.90	753.87	753.85	753.83	753.81
GIR. 2	755.16	755.09	755.01	754.94	754.87	754.81	754.74	754.68	754.62	754.56	754.51	754.46	754.41	754.37	754.33	754.29	754.26	754.23	754.20	754.18	754.16
GIR. 3	755.52	755.44	755.37	755.30	755.23	755.16	755.10	755.03	754.97	754.92	754.86	754.81	754.77	754.72	754.68	754.65	754.62	754.59	754.56	754.54	754.52
GIR. 4	755.87	755.80	755.73	755.65	755.59	755.52	755.45	755.39	755.33	755.27	755.22	755.17	755.12	755.08	755.04	755.01	754.97	754.94	754.92	754.90	754.88
GIR. 5	756.23	756.15	756.08	756.01	755.94	755.87	755.81	755.75	755.69	755.63	755.58	755.53	755.48	755.44	755.40	755.36	755.33	755.30	755.28	755.25	755.23
GIR. 6	756.58	756.51	756.44	756.37	756.30	756.23	756.16	756.10	756.04	755.99	755.93	755.88	755.84	755.79	755.76	755.72	755.69	755.66	755.63	755.61	755.59



BEARING PAD DETAIL



S511 S514



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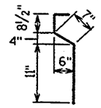

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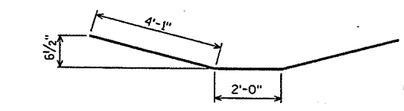

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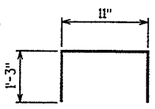

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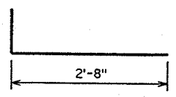


S423

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-212

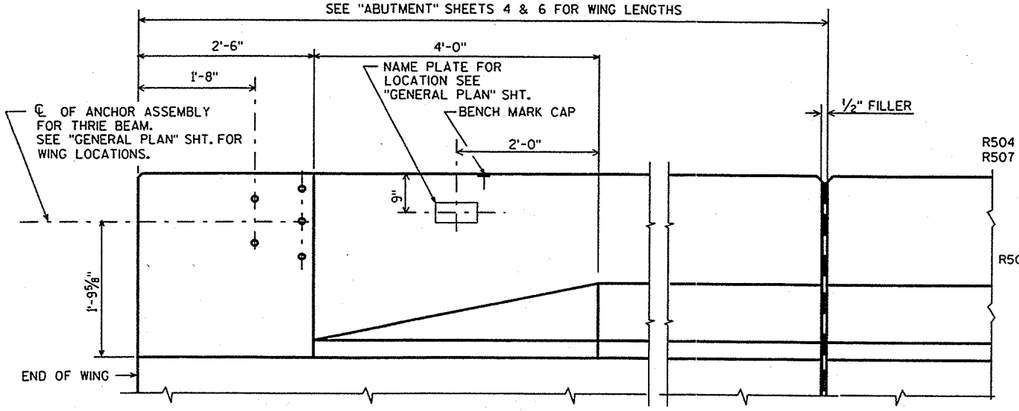
CONST. SPEC. 1996	DRAWN BY DDS	PLANS CK'D. CRJ

SUPERSTRUCTURE DETAILS

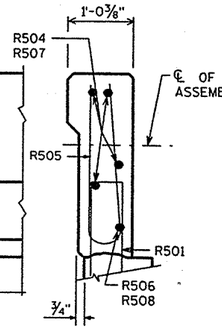
SHEET 12

FILE= 7021SUPERDET.DGN
SCALE = 1.333

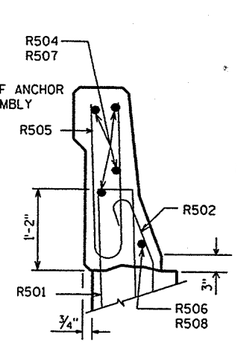
STATE PROJECT NUMBER	SHEET NO.
6200-05-71	8.28



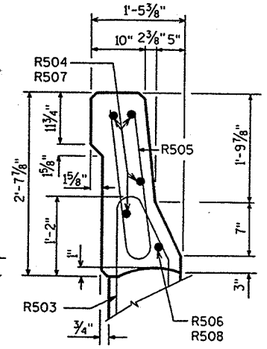
INSIDE ELEVATION



SECTION A



SECTION B

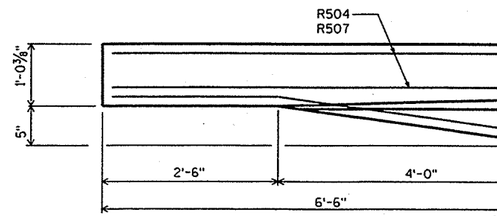


SECTION C

BILL OF BARS

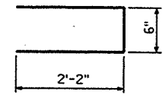
FOR ABUTMENT PARAPETS

BAR MARK	COAT	S. ABUT.	N. ABUT.	LENGTH	BENT	LOCATION
R501	X	28	28	4'-7"	X	PARAPET VERT.
R502	X	16	16	3'-2"	X	PARAPET VERT.
R503	X	13	13	4'-8"	X	PARAPET VERT.
R504	X	4	4	11'-8"		PARAPET HORIZ.-WINGS 1 & 4
R505	X	41	41	4'-10"	X	PARAPET VERT.
R506	X	1	1	11'-8"	X	PARAPET HORIZ.-WINGS 1 & 4
R507	X	4	4	9'-8"		PARAPET HORIZ.-WINGS 2 & 3
R508	X	1	1	9'-8"	X	PARAPET HORIZ.-WINGS 2 & 3

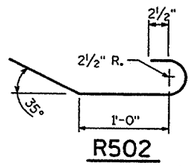


PLAN

OPTIONAL CONSTRUCTION JOINTS IN THE PARAPETS MAY BE USED. RUN BAR REINF THRU THE JOINT. LAP LONGIT. BARS A MIN. OF 1'-9" MIN. JOINT SPACING OF 80'-0" DEFINE CONST. JOINT WITH A ¾" 'V' GROOVE.



R501



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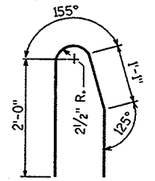

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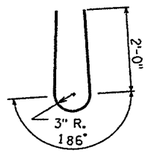
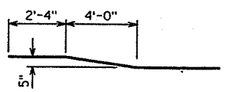
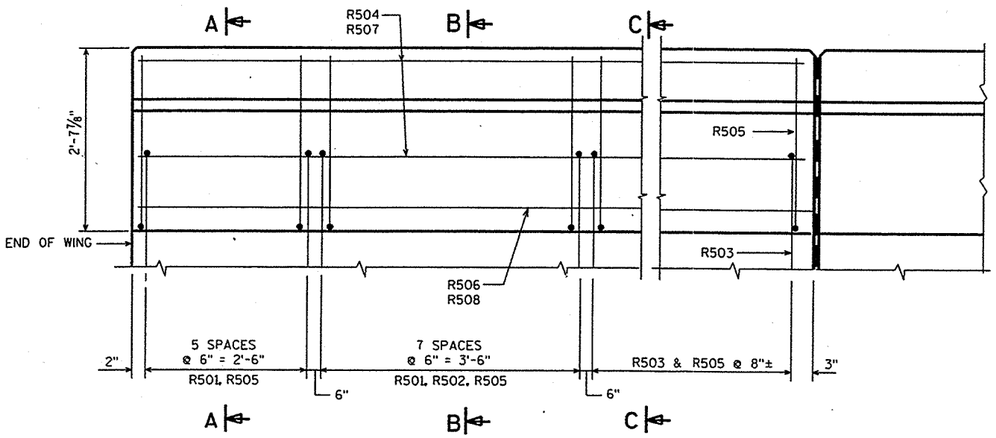


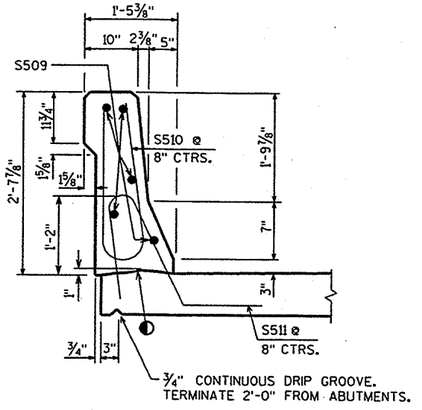
R505



R506, R508

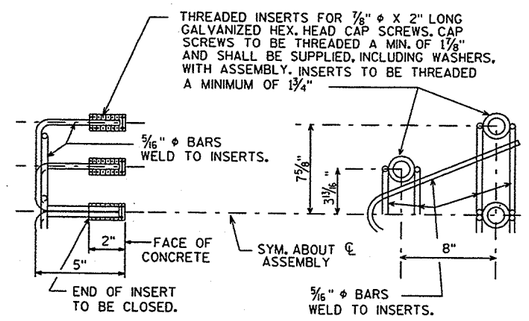


OUTSIDE ELEVATION



SECTION THRU PARAPET ON BRIDGE

◐ CONST. JOINT - STRIKE OFF AS SHOWN.



DETAIL OF ANCHOR ASSEMBLY

NOTE: HEX. HEAD CAP SCREWS & WASHERS TO BE GALVANIZED IN ACCORDANCE WITH AASHTO M232 CLASS C.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-212

CONST. SPEC.	1996	DRAWN BY	DDS	PLANS CK'D.	CRJ

SLOPED FACE PARAPET LF

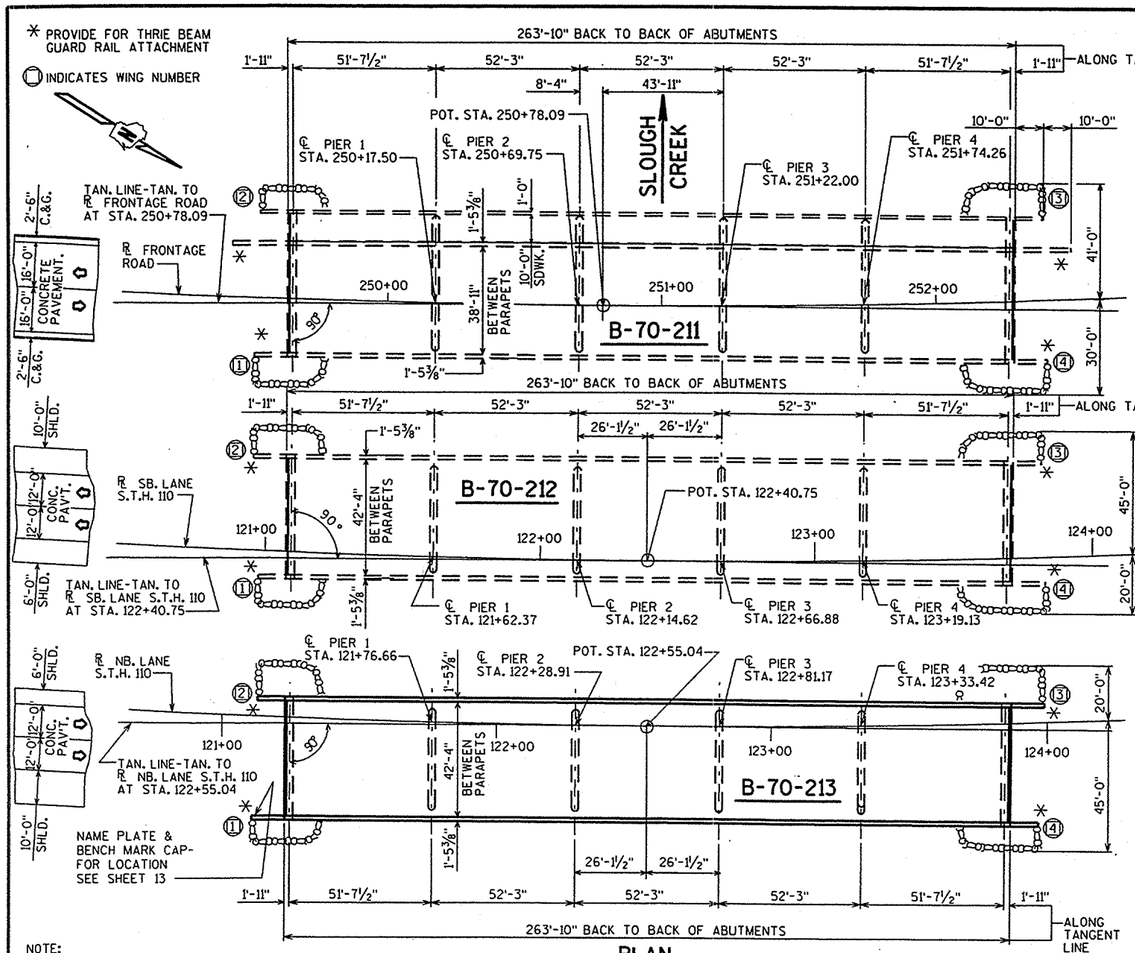
SHEET 13

12 7 910112 7

FILE= 70212PP.DGN
SCALE =

DISTRICT CONTACT: TOM BUCHHOLZ TYPE CODE = XO81

STATE PROJECT NUMBER	SHEET NO.
6200-05-71	8.29

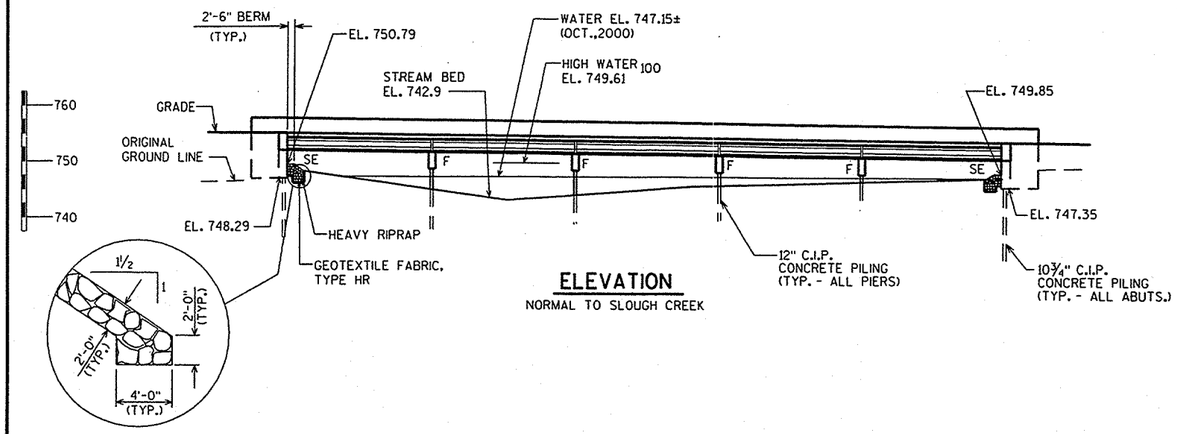


PLAN

5 SPAN-28" PRESTRESSED GIRDERS

NOTE:

WING LENGTHS ARE 10'-0" FOR WINGS 2&3 AND 12'-0" FOR WINGS 1&4 (B-70-212 & B-70-213).



ELEVATION

NORMAL TO SLOUGH CREEK

CURVE DATA

SB. LANE S.T.H. 110	NB. LANE S.T.H. 110
P.I. = STA. 119+98.07	P.I. = STA. 120+08.48
Δ = 19°-41'-20.8"	Δ = 19°-41'-20.8"
D = 1°-31'-26.2"	D = 1°-30'-00"
T = 652.43'	T = 662.84'
L = 1291.99'	L = 1312.61'
R = 3759.72'	R = 3819.72'
S.E. = 0.046%	S.E. = 0.046%
P.C. = STA. 113+45.64	P.C. = STA. 113+45.64
P.T. = STA. 126+37.63	P.T. = STA. 126+58.25

FRONTAGE ROAD

P.I. = STA. 248+91.80
Δ = 21°-26'-22.5"
D = 1°-30'-00"
T = 723.11'
L = 1429.31'
R = 3819.72'
S.E. = 0.028%
P.C. = STA. 241+68.69
P.T. = STA. 255+97.99

ABUTMENT STATIONS

ABUTMENT	B-70-211 STATION	B-70-212 STATION	B-70-213 STATION
END OF SLAB	249+64.61	121+09.47	121+23.76
℄ BRG. SOUTH ABUT.	249+65.86	121+10.72	121+25.01
℄ BRG. NORTH ABUT.	252+25.92	123+70.78	123+85.07
END OF SLAB	252+27.17	123+72.03	123+86.32

LOCATION	DIM. A (ALONG ℄ SUBSTR. UNIT)		
	B-70-211	B-70-212	B-70-213
SOUTH ABUT.	1'-7¾"	2'-3"	2'-2½"
PIER 1	5¾"	9¾"	9⅝"
PIER 2	⅛"	1⅛"	1⅛"
PIER 3	3"	1⅛"	1⅛"
PIER 4	1'-2½"	9¾"	9⅝"
NORTH ABUT.	2'-10⅜"	2'-3"	2'-2½"

DESIGN DATA

LIVE LOAD:

DESIGN RATING; HS-20
INVENTORY RATING; HS-21
OPERATIONAL RATING; HS-38
MAXIMUM STANDARD PERMIT VEHICLE LOAD = 250 KIPS.

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

ULTIMATE DESIGN STRESSES:

CONCRETE MASONRY SLAB — f'c = 4,000 P.S.I. ALL OTHER — f'c = 3,500 P.S.I.
BAR STEEL REINFORCEMENT, GRADE 60 — fy = 60,000 P.S.I.
28" PRESTRESSED GIRDERS, CONCRETE MASONRY — f'c = 7,500 P.S.I.
STRANDS- .06" ϕ WITH ULTIMATE TENSILE STRENGTH OF 270,000 P.S.I.

FOUNDATION DATA

ABUTMENTS TO BE SUPPORTED ON 10¾" DIA. CAST-IN-PLACE PILING DRIVEN TO A MINIMUM BEARING VALUE OF 55 TONS PER PILE.
SOUTH ABUTMENT ESTIMATED 60'-0" LONG.
NORTH ABUTMENT ESTIMATED 65'-0" LONG.

PIERS TO BE SUPPORTED ON 12" CAST-IN-PLACE PILING (.375" MINIMUM WALL THICKNESS) DRIVEN TO A MINIMUM BEARING VALUE OF 55 TONS PER PILE.
PIER 1 ESTIMATED 60'-0" LONG,
PIER 2 ESTIMATED 60'-0" LONG,
PIER 3 ESTIMATED 60'-0" LONG,
PIER 4 ESTIMATED 65'-0" LONG.

HYDRAULIC DATA

100 YEAR FREQUENCY

Q_{100} =2,800 C.F.S.
VEL. = 3.9 F.P.S.
HW.= EL. 749.6
WATERWAY AREA= 724.4 SQ. FT.
DRAINAGE AREA= 8.4 SQ. MI.
ROAD OVERTOPPING = NA
SCOUR CRITICAL CODE = 5

TRAFFIC VOLUME

S.T.H. 110
A.D.T.=34,000 (2023)
R.D.S.=70 M.P.H.

LIST OF DRAWINGS

1. GENERAL PLAN
2. CROSS SECTION & QUANTITIES
3. SUBSURFACE EXPLORATION
4. SOUTH ABUTMENT
5. SOUTH ABUTMENT DETAILS
6. NORTH ABUTMENT
7. NORTH ABUTMENT DETAILS
8. PIERS 1 THRU 4
9. 28" PRESTRESSED GIRDER DETAILS
10. STEEL DIAPHRAGM
11. SUPERSTRUCTURE
12. SUPERSTRUCTURE DETAILS
13. SLOPED FACED PARAPET 'LF'

BRIDGE OFFICE CONTACT = KENT BAHLER (608) 266-8490
BRIDGE OFFICE CONTACT = CHARLES R. JUDD (608)-266-4547

NO.	DATE	REVISION	BY

Plans Prepared By **WISDOT** STRUCTURES DESIGN

STRUCTURE B-70-213

NORTHBOUND S.T.H. 110 OVER SLOUGH CREEK

COUNTY WINNEBAGO		TOWN ~~CITY/VILLAGE~~ OSHKOSH	
DESIGN SPEC. AASHTO	STD. SPEC. 1998	LOAD HS-20	CONST. SPEC. 1996
DESIGNED BY MGW	DESIGN CK'D. SDR	DRAWN BY DDS	PLANS CK'D. CRJ

APPROVED H.L. Anderson 11-13-01
CHIEF STRUCTURAL DESIGN ENGINEER DATE

GENERAL PLAN

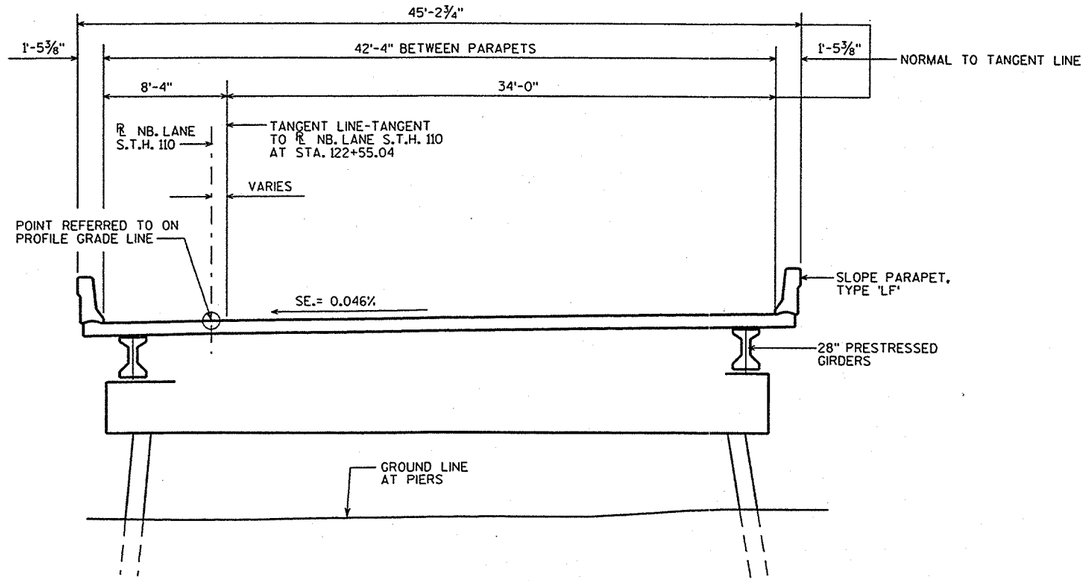
SHEET 1 OF 13

DATE: JULY '01

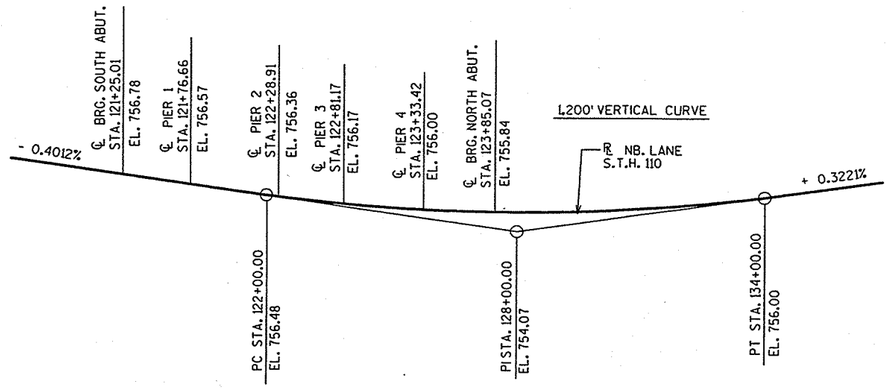
FILE= PREPLAN.DGN
SCALE = 25

I.D. 6200-05-03C

STATE PROJECT NUMBER	SHEET NO.
6200-05-71	8.30



CROSS SECTION THRU ROADWAY LOOKING NORTH



PROFILE GRADE LINE NB. LANE S.T.H. 110

TOTAL ESTIMATED QUANTITIES

BID ITEMS	UNIT	SUPER.	SOUTH ABUT.	NORTH ABUT.	PIER 1	PIER 2	PIER 3	PIER 4	TOTALS
EXCAVATION FOR STRUCTURES, BRIDGES, B-70-213	L.S.	——	——	——	——	——	——	——	1
STRUCTURE BACKFILL	C.Y.	——	154	154	——	——	——	——	308
CONCRETE MASONRY, BRIDGES	C.Y.	430	53	53	14	14	14	14	592
PROTECTIVE SURFACE TREATMENT	S.Y.	1460	——	——	——	——	——	——	1460
PRESTRESSED GIRDER, I TYPE, 28-INCH	L.F.	1560	——	——	——	——	——	——	1560
HIGH-STRENGTH BAR STEEL REINFORCEMENT, BRIDGES	LB.	——	2260	2260	4270	4270	4270	4270	21600
COATED HIGH-STRENGTH BAR STEEL REINFORCEMENT, BRIDGES	LB.	89930	1530	1530	——	——	——	——	92990
NON-LAMINATED ELASTOMERIC BEARING PADS	EACH	36	——	——	——	——	——	——	36
STEEL DIAPHRAGMS, STRUCTURE B-70-213	EACH	25	——	——	——	——	——	——	25
CAST-IN-PLACE CONCRETE PILING, DELIVERED AND DRIVEN, 10¾"	L.F.	——	420	455	——	——	——	——	875
CAST-IN-PLACE CONCRETE PILING, DELIVERED AND DRIVEN, 12"	L.F.	——	——	——	480	480	480	520	1960
RUBBERIZED MEMBRANE WATERPROOFING	S.Y.	——	8	8	——	——	——	——	16
HEAVY RIPRAP	C.Y.	——	80	60	——	——	——	——	140
PIPE UNDERDRAIN, 6-INCH	L.F.	——	61	61	——	——	——	——	122
PIPE UNDERDRAIN, UNPERFORATED, 6-INCH	L.F.	——	20	20	——	——	——	——	40
GEOTEXTILE FABRIC, TYPE DF	S.Y.	——	48	48	——	——	——	——	96
GEOTEXTILE FABRIC, TYPE HR	S.Y.	——	135	105	——	——	——	——	240
ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	4	——	——	——	——	——	——	4
OMP. READY MIXED CONCRETE MASONRY FOR BRIDGES	C.Y.	430	53	53	14	14	14	14	592
OMP. MASONRY STRENGTH INCENTIVE, READY-MIXED CONCRETE	DOL.	——	——	——	——	——	——	——	5920
NON-BID ITEMS									
FILLER	SIZE	——	——	——	——	——	——	——	½" & ¾"

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.

AT THE BACKFACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE IN PLACE BEFORE ABUTMENT CONSTRUCTION AND NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL.

THE EXISTING GROUND LINE SHALL BE USED AS THE UPPER LIMITS OF EXCAVATION AT THE PIERS.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

AT ABUTMENTS AND PIER(S), CONCRETE POURED UNDER WATER WILL BE ALLOWED AND SHALL BE DONE IN ACCORDANCE WITH SECTION 502.3.6.3 OF THE STANDARD SPECIFICATIONS.

THE GRADATION OF THE STRUCTURE BACKFILL SHALL MEET THE REQUIREMENTS OF SECTION 209.2.2 OF THE STANDARD SPECIFICATIONS FOR GRADE 1 MATERIAL.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

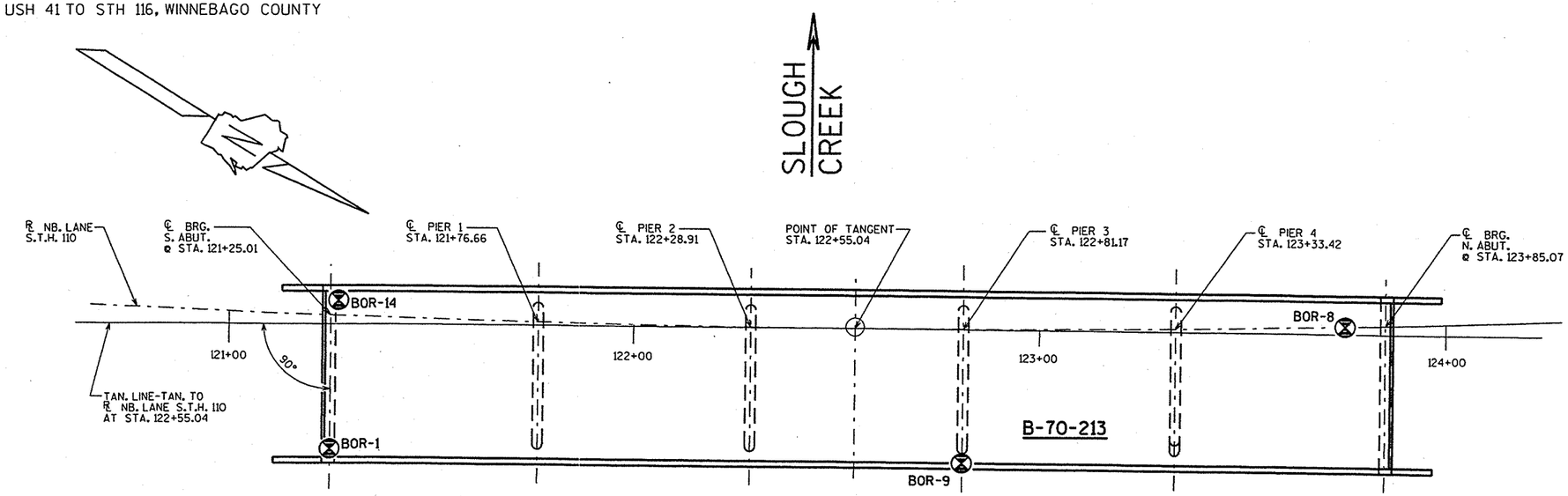
STRUCTURE B-70-213

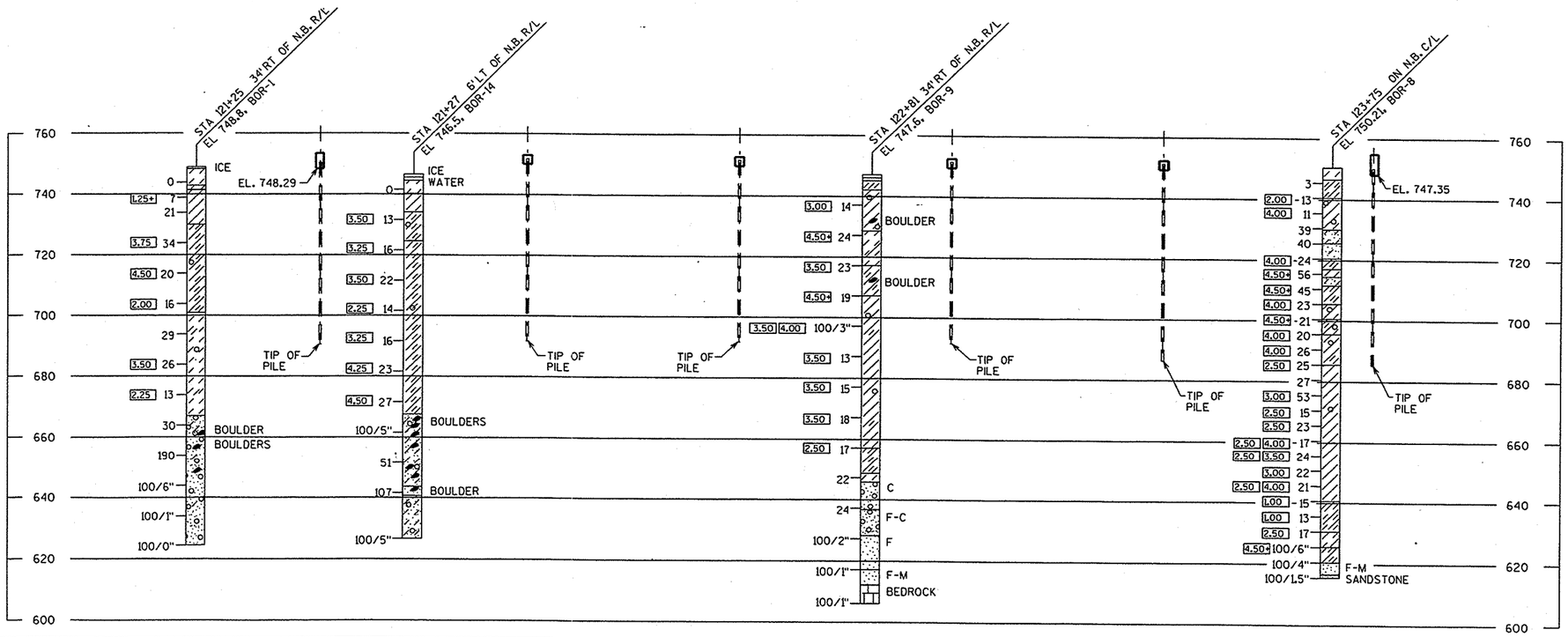
CONST. SPEC.	1996	DRAWN BY	DDS	PLANS CK'D.	CRJ

CROSS SECTION & QUANTITIES — SHEET 2

FILE= 70213QUANT.DGN
SCALE = 4

STH 110 OVER SLOUGH CREEK
USH 41 TO STH 116, WINNEBAGO COUNTY





STATE PROJECT NUMBER	SHEET NO.
6200-05-71	8.31

ABBREVIATIONS

F—FINE M—MEDIUM C—COARSE
WS—WEATHERED SO—SOUND

MATERIAL SYMBOLS

TOPSOIL, SILT, SANDSTONE, SAND, PEAT, LIMESTONE, GRAVEL, CLAY, IGNEOUS ROCK

LEGEND OF PROBING

PROBING NO.
STA.
ELEVATION
7 AVERAGE BLOWS PER FOOT
REFUSAL 95/6

95/6=95 BLOWS FOR 6" PENETRATION
PROBING TAKEN WITH A 350#WT. FALLING 18" ON A 2" O.D. POINT.

LEGEND OF BORING

BORING NO.
STA.
ELEV.
UNCONFINED STRENGTH → 7.7
BLOWS PER FT. USING 140# WT. FALLING 30"
WASH SAMPLE
SHELBY TUBE—S.T.
GROUND WATER ELEVATION
NO GROUND WATER OBSERVED ABOVE THIS ELEVATION
SANDY GRAVEL
F.
BOULDERS OR COBBLES
SAND
SILTY CLAY
SO
LIMESTONE

UNLESS OTHERWISE SPECIFIED, THE BLOWS PER FOOT AT THE LOCATIONS INDICATED ARE BASED ON DRIVING A O.D.X1 4" I.D. SPLIT SPOON SAMPLER WITH A 140# HAMMER HAVING A FREE FALL OF 30". THE BLOW COUNT IS TAKEN IN UNDISTURBED SOIL IMMEDIATELY BELOW A CASED OR OPEN HOLE ELIMINATING SIDE FRICTION ON THE DRIVE PIPE.

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

TO OBTAIN RELATIVE DATA CONCERNING THE CHARACTER OF MATERIAL IN AND UPON WHICH THE FOUNDATION MIGHT BE BUILT, BORINGS AND/OR SOUNDINGS WERE MADE AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING. THE DATA PRESENTED HEREIN REPRESENTS THE FINDINGS OF THE SUBSURFACE EXPLORATIONS MADE. HOWEVER, BECAUSE THE DEPTHS INVESTIGATED ARE LIMITED AND THE AREA OF THE BORINGS AND/OR SOUNDINGS IS VERY SMALL IN RELATION TO THE ENTIRE AREA, THE DIVISION OF HIGHWAYS DOES NOT WARRANT CONDITIONS BELOW THE DEPTHS INVESTIGATED OR THAT THE CLASSIFICATION OF MATERIAL ENCOUNTERED IN THESE INVESTIGATIONS IS NECESSARILY TYPICAL OF THE ENTIRE SITE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-213

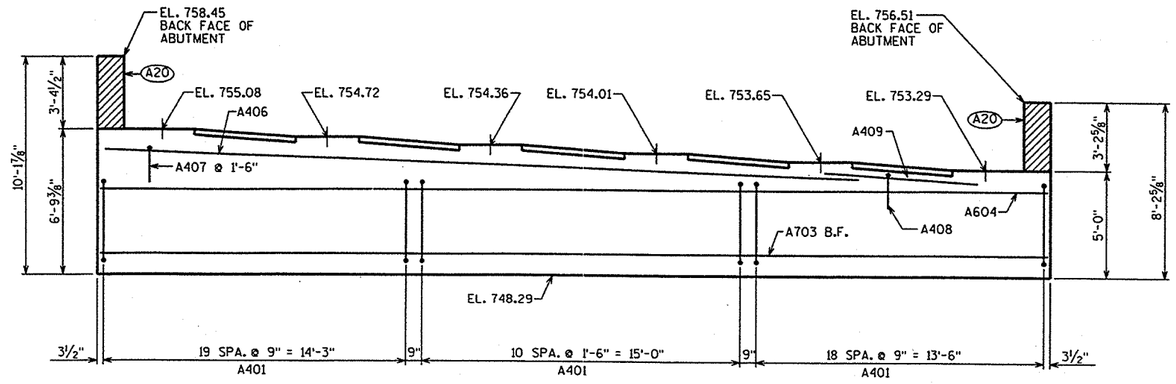
CONST. SPEC.	1996	DRAWN BY	DDS	PLANS CK'D.	CRJ

SUBSURFACE EXPLORATION

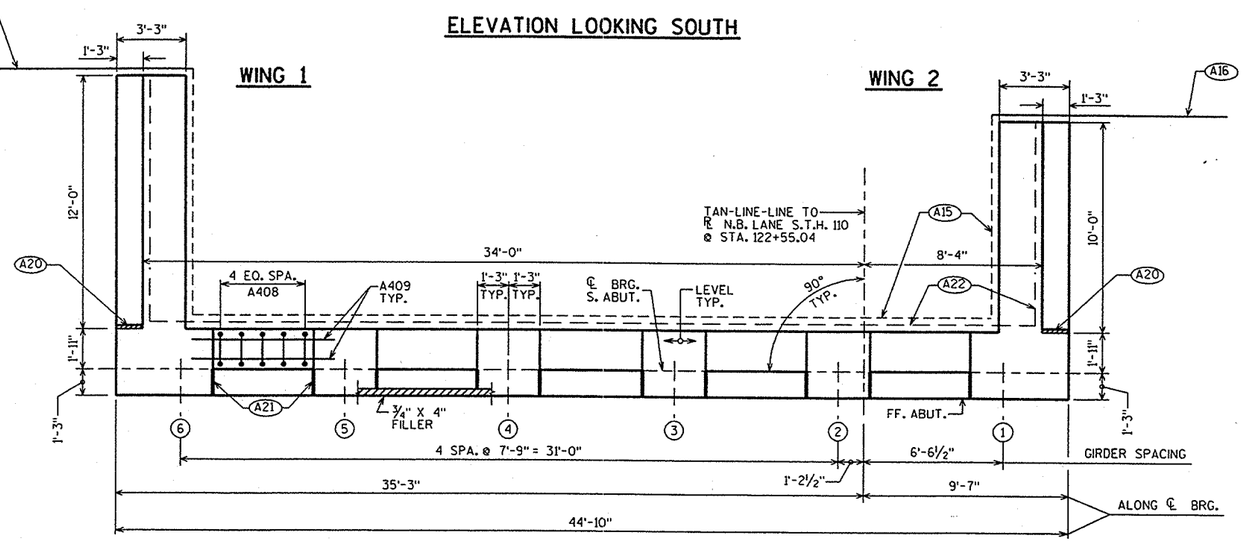
SHEET 3

FILE= 70213SOILS.DGN
SCALE = 24

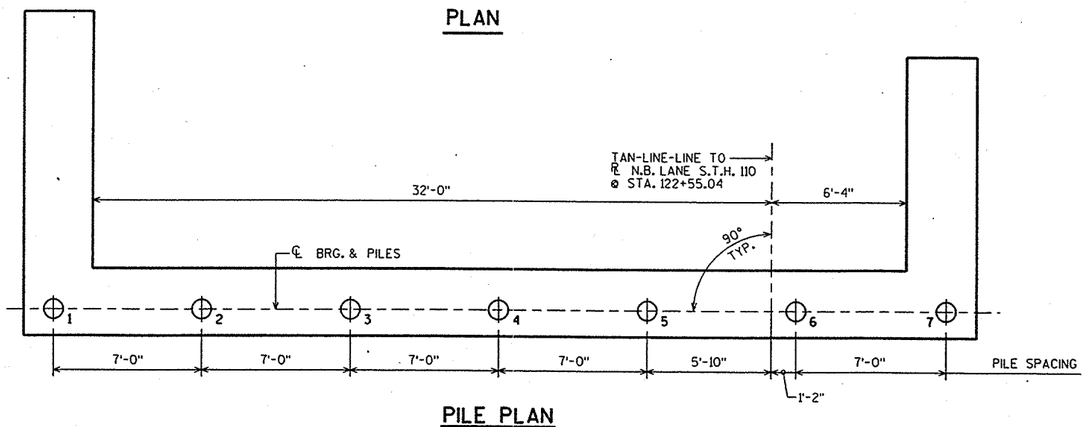
STATE PROJECT NUMBER	SHEET NO.
6200-05-71	8.32



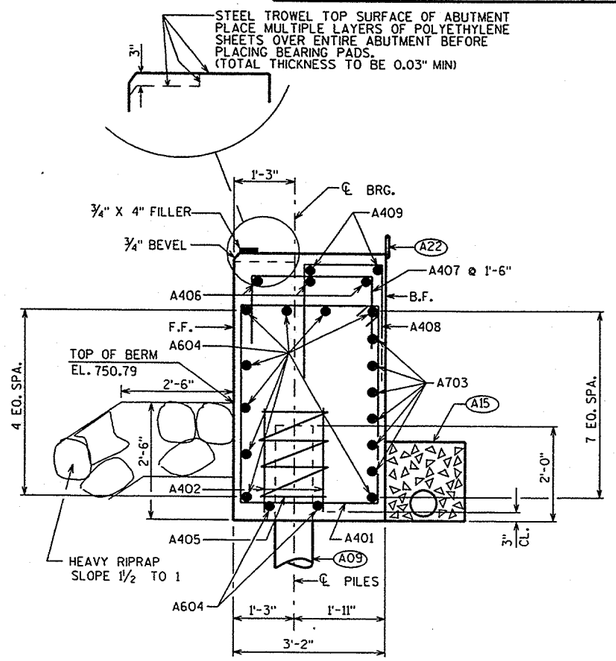
ELEVATION LOOKING SOUTH



PLAN



PILE PLAN



SECTION THRU BODY

(A09) SUPPORT ABUTMENT ON 10¾" DIA. CAST-IN-PLACE CONCRETE PILING, ESTIMATED 60'-0" LONG, AND DRIVEN TO A MIN. BRG. VALUE OF 55 TONS PER PILE.

(A15) PIPE UNDERDRAINS, 6 INCH. SLOPE TO DRAIN. ENCLOSED IN 1'-6" X 1'-6" AREA OF SIZE 1 COARSE AGGREGATE (INCLUDED IN UNDERDRAIN BID ITEM) WRAPPED IN GEOTEXTILE FABRIC, TYPE DF.

(A16) PIPE UNDERDRAIN, 6 INCH, UNPERFORATED. TO SUITABLE DRAINAGE.

(A20) 1/2" FILLER (INCLUDED IN WING LENGTH):SEAL EXPOSED HORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(A21) 3/4" CORK UP VERT. FACES OF BEAM SEATS.

(A22) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

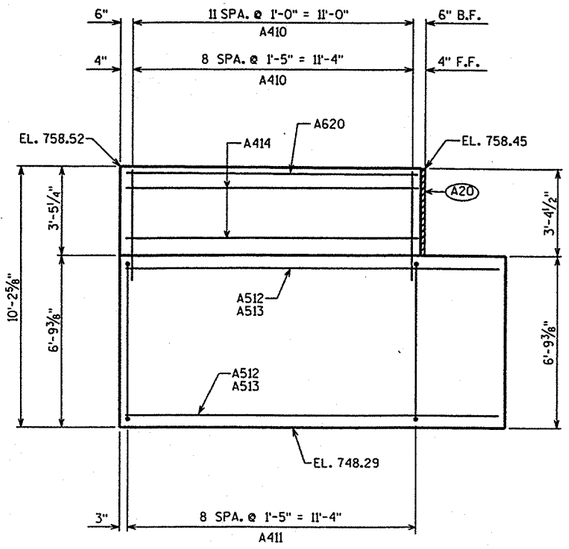
STRUCTURE B-70-213

CONST. SPEC. 1996	DRAWN BY DDS	PLANS CK'D. CRJ

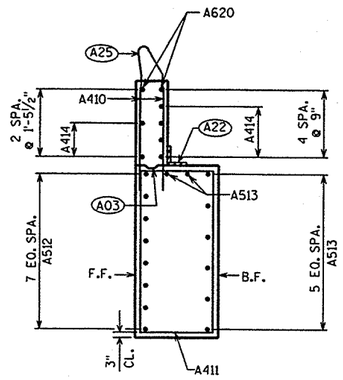
SOUTH ABUTMENT

SHEET 4

STATE PROJECT NUMBER	SHEET NO.
6200-05-71	8.33



WING 1 ELEVATION



WING 1 SECTION

(A03) OPTIONAL CONST. JOINT: KEYWAY FORMED BY BEVELED 2 x 6. (18" R.M.W. @ B.F. & 3/4" "V" GROOVE @ F.F. IF JOINT IS USED).

(A20) 1/2" FILLER (INCLUDED IN WING LENGTH):SEAL EXPOSED HORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

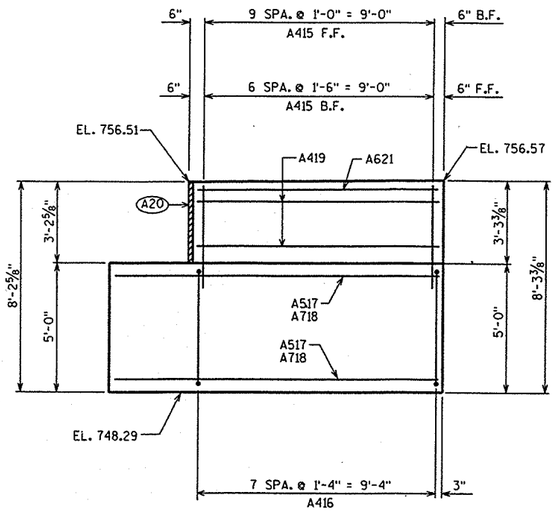
(A22) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

(A25) FOR PARAPET BARS & DIMENSION SEE PARAPET SHT. 13

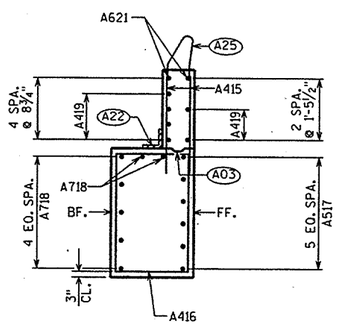
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BARMARK SIGNIFIES THE BAR SIZE.

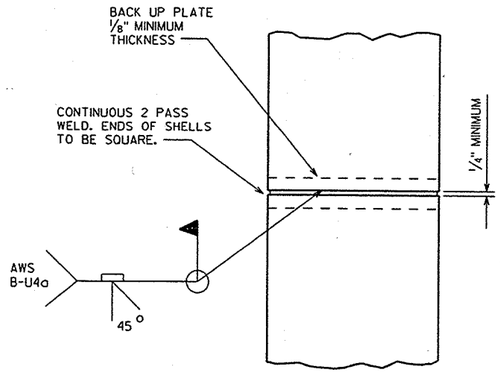
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A401		50	14'-10"	X		BODY-STIRRUPS
A402		14	2'-3"			PILES- 2 PER BODY PILE
A703		6	44'-6"			BODY-HORIZ.-B.F.
A604		11	44'-6"			BODY-HORIZ.-F.F.
A405		7	28'-0"	X		PILES-1 PER BODY PILE
A406		3	38'-6"			BODY-HORZ.-OVER GIRS. 2-6
A407		26	8'-0"	X		BODY-VERT.-OVER GIRS. 2-6
A408		25	3'-11"	X		BODY-VERT.-BETWEEN BEAM SEATS
A409		10	7'-3"			BODY-HORZ.-BETWEEN GIRDERS
A410	X	21	4'-8"			WING 1-VERT.-F.F.-B.F.
A411	X	9	19'-0"	X		WING 1-STIRRUP
A512	X	8	14'-10"			WING 1-HORIZ.-F.F.
A513	X	8	13'-7"			WING 1-HORIZ.-B.F.
A414	X	6	11'-8"			WING 1-HORIZ.-F.F.-B.F.
A415	X	17	4'-8"			WING 2-VERT.-F.F.-B.F.
A416	X	8	15'-6"	X		WING 2-STIRRUP
A517	X	6	12'-10"			WING 2-HORIZ.-F.F.
A718	X	7	12'-8"			WING 2-HORIZ.-B.F.
A419	X	6	9'-8"			WING 2-HORIZ.-F.F.-B.F.
A620	X	2	11'-8"			WING 1-HORIZ.
A621	X	2	9'-8"			WING 2-HORIZ.



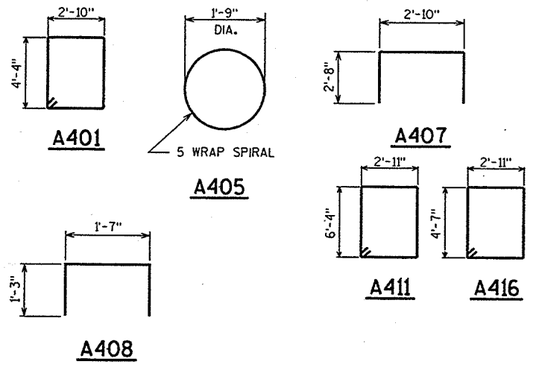
WING 2 ELEVATION



WING 2 SECTION



PILE SPLICE DETAIL



NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-213

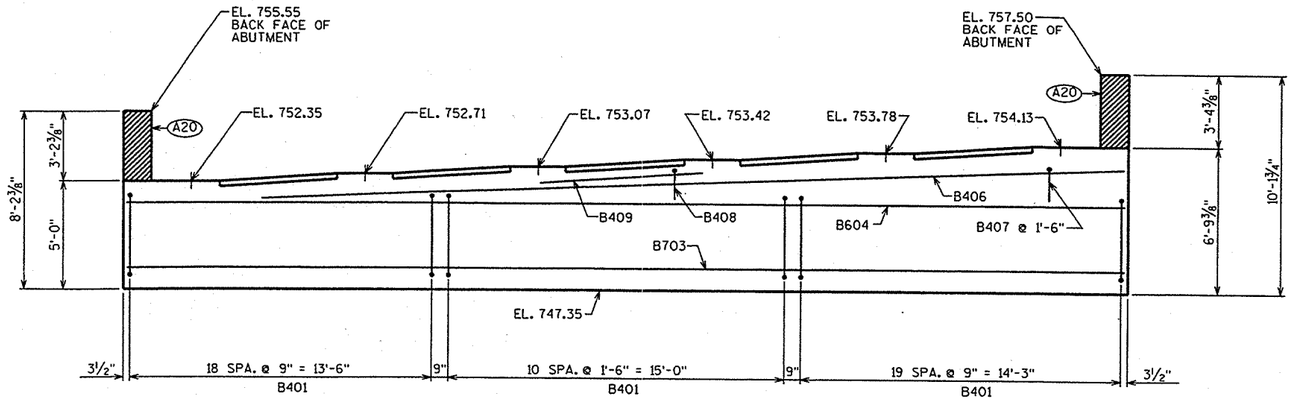
CONST. SPEC. 1996	DRAWN BY DDS	PLANS CK'D. CRJ

SOUTH ABUTMENT DETAILS

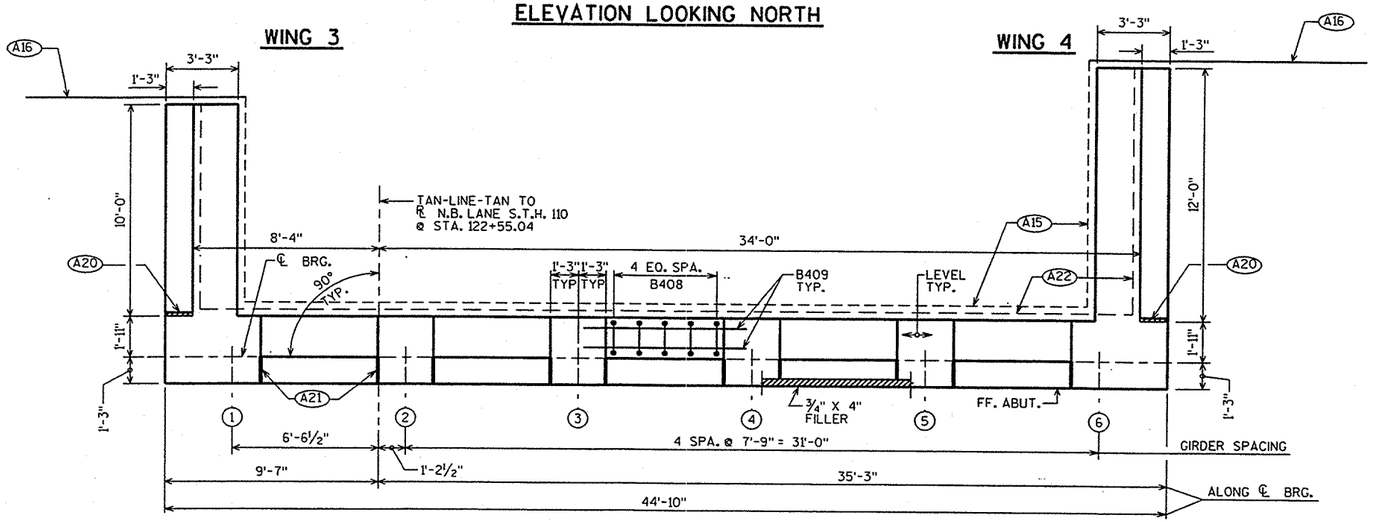
SHEET 5

MON MAY 21 07:44:09 2001*
B-70-213

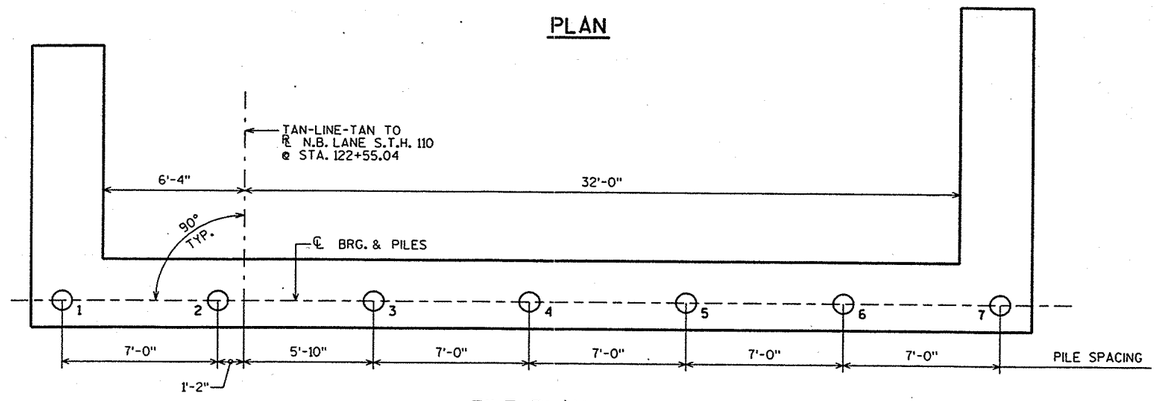
STATE PROJECT NUMBER	SHEET NO.
6200-05-71	8.34



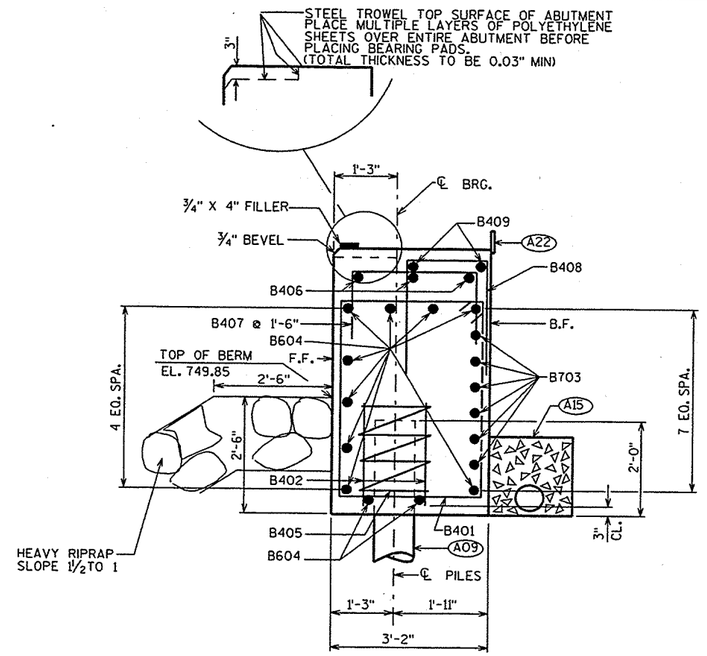
ELEVATION LOOKING NORTH



PLAN



PILE PLAN



SECTION THRU BODY

(A09) SUPPORT ABUTMENT ON 10¾" DIA. CAST-IN-PLACE CONCRETE PILING. ESTIMATED 65'-0" LONG, AND DRIVEN TO A MIN. BRG. VALUE OF 55 TONS PER PILE.

(A15) PIPE UNDERDRAINS, 6 INCH. SLOPE TO DRAIN. ENCLOSED IN 1'-6" X 1'-6" AREA OF SIZE 1 COARSE AGGREGATE (INCLUDED IN UNDERDRAIN BID ITEM) WRAPPED IN GEOTEXTILE FABRIC, TYPE DF.

(A16) PIPE UNDERDRAIN, 6 INCH, UNPERFORATED. TO SUITABLE DRAINAGE.

(A20) 1/2" FILLER (INCLUDED IN WING LENGTH): SEAL EXPOSED HORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(A21) 3/4" CORK UP VERT. FACES OF BEAM SEATS.

(A22) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

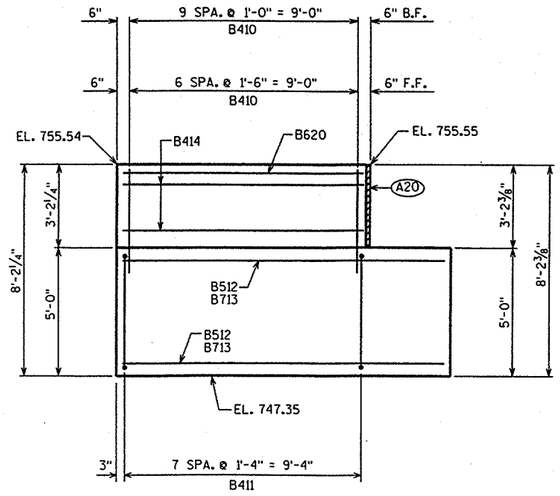
STRUCTURE B-70-213

CONST. SPEC.	1996	DRAWN BY	DDS	PLANS CK'D.	CRJ

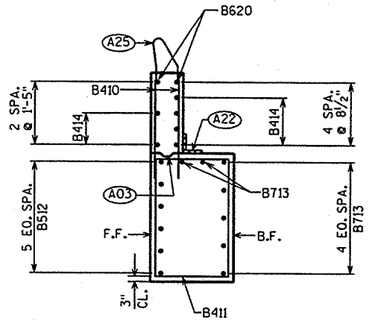
NORTH ABUTMENT

SHEET 6

STATE PROJECT NUMBER	SHEET NO.
6200-05-71	8.35



WING 3 ELEVATION



WING 3 SECTION

A03 OPTIONAL CONST. JOINT: KEYWAY FORMED BY BEVELED 2 x 6. (18" R.M.W. @ B.F. & 3/4" "V" GROOVE @ F.F. IF JOINT IS USED).

A20 1/2" FILLER (INCLUDED IN WING LENGTH):SEAL EXPOSED HORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

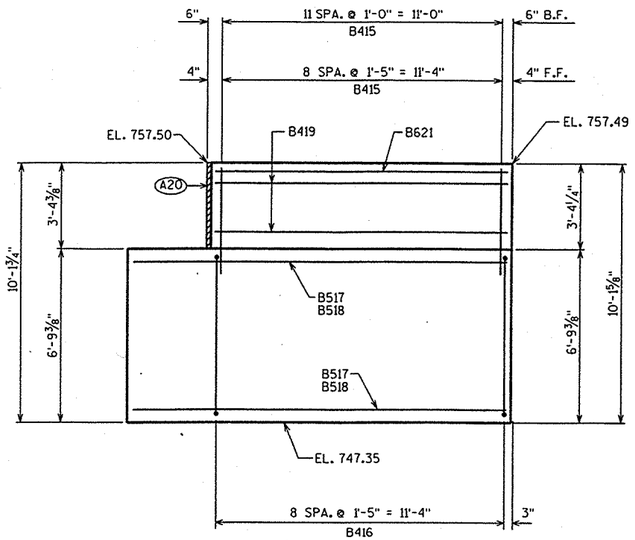
A22 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

A25 FOR PARAPET BARS & DIMENSION SEE PARAPET SHT. 13

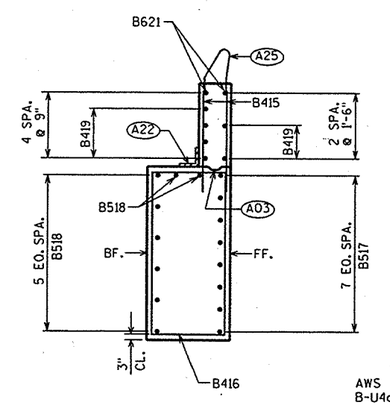
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

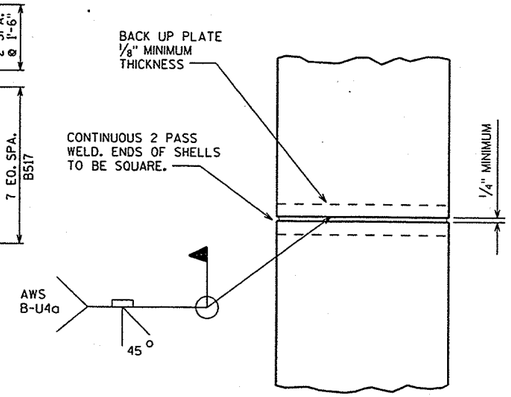
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
B401		50	14'-10"	X		BODY-STIRRUPS
B402		14	2'-3"			PILES- 2 PER BODY PILE
B703		6	44'-6"			BODY-HORIZ.-B.F.
B604		11	44'-6"			BODY-HORIZ.-F.F.
B405		7	28'-0"	X		PILES-1 PER BODY PILE
B406		3	38'-6"			BODY-HORZ.-OVER GIRS. 2-6
B407		26	8'-0"	X		BODY-TOP-OVER GIRS. 2-6
B408		25	3'-11"	X		BODY-VERT.-BETWEEN BEAM SEATS
B409		10	7'-3"			BODY-HORZ.-BETWEEN BEAM SEATS
B410	X	17	4'-6"			WING 3-VERT.-F.F.-B.F.
B411	X	8	15'-6"	X		WING 3-STIRRUP
B512	X	6	12'-10"			WING 3-HORIZ.-F.F.
B713	X	7	12'-8"			WING 3-HORIZ.-B.F.
B414	X	6	9'-8"			WING 3-HORIZ.-F.F.-B.F.
B415	X	21	4'-8"			WING 4-VERT.-F.F.-B.F.
B416	X	9	19'-0"	X		WING 4-STIRRUP
B517	X	8	14'-10"			WING 4-HORIZ.-F.F.
B518	X	8	13'-7"			WING 4-HORIZ.-B.F.
B419	X	6	11'-8"			WING 4-HORIZ.-F.F.-B.F.
B620	X	2	9'-8"			WING 3-HORIZ.
B621	X	2	11'-8"			WING 4-HORIZ.



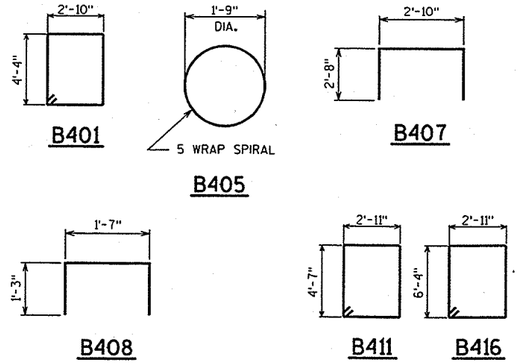
WING 4 ELEVATION



WING 4 SECTION



PILE SPLICE DETAIL



NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-213

CONST. SPEC.	1996	DRAWN BY	DDS	PLANS CK'D.	CRJ

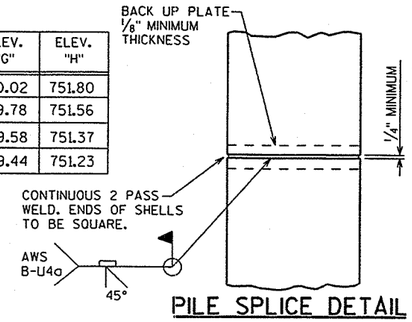
NORTH ABUTMENT DETAILS

SHEET 7

STATE PROJECT NUMBER	SHEET NO.
6200-05-71	8.36

PIER ELEVATIONS

	ELEV. "A"	ELEV. "B"	ELEV. "C"	ELEV. "D"	ELEV. "E"	ELEV. "F"	ELEV. "G"	ELEV. "H"
PIER #1	753.02	753.37	753.73	754.08	754.44	754.80	750.02	751.80
PIER #2	752.78	753.13	753.49	753.85	754.20	754.56	749.78	751.56
PIER #3	752.58	752.94	753.30	753.65	754.01	754.37	749.58	751.37
PIER #4	752.44	752.80	753.16	753.51	753.87	754.23	749.44	751.23



PILE SPLICE DETAIL

NOTE: PILES SPLICES SHALL BE MADE BY A CERTIFIED WELDER USING LOW HYDROGEN ELECTRODES

(P03) P504 BARS @ 1'-0" CTRS. BETWEEN BEAM SEATS. MAY BE PLACED AFTER CONCRETE IS POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE. (EMBED 1'-0" INTO CONC.)

(P08) KEYED CONSTRUCTION JOINT-FORMED BY BEVELED 2 x 6 BETWEEN BEAM SEATS.

(P09) SUPPORT PIERS ON 12" DIA. CAST-IN-PLACE CONCRETE PILING, DRIVEN TO A MIN. BRG. VALUE OF 55 TONS PER PILE. (.375" MIN. WALL THICKNESS REQ'D. FOR ALL PILING) (TYP. ALL PIERS.)

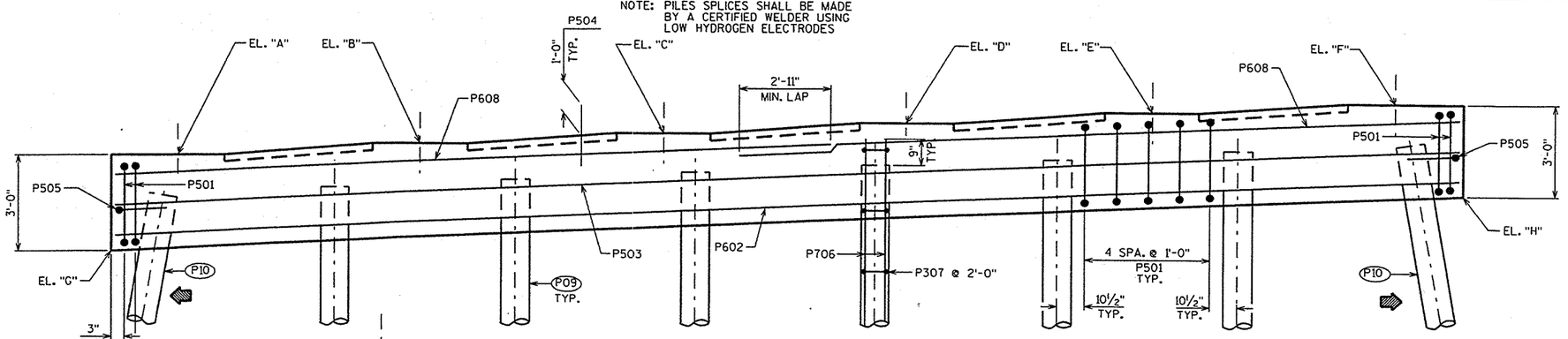
PIER #1 - ESTIMATED LENGTH 60'-0"
PIER #2 - ESTIMATED LENGTH 60'-0"
PIER #3 - ESTIMATED LENGTH 60'-0"
PIER #4 - ESTIMATED LENGTH 65'-0"

(P10) INDICATES PILE BATTERED 2" PER FT. IN DIRECTION OF ARROW.

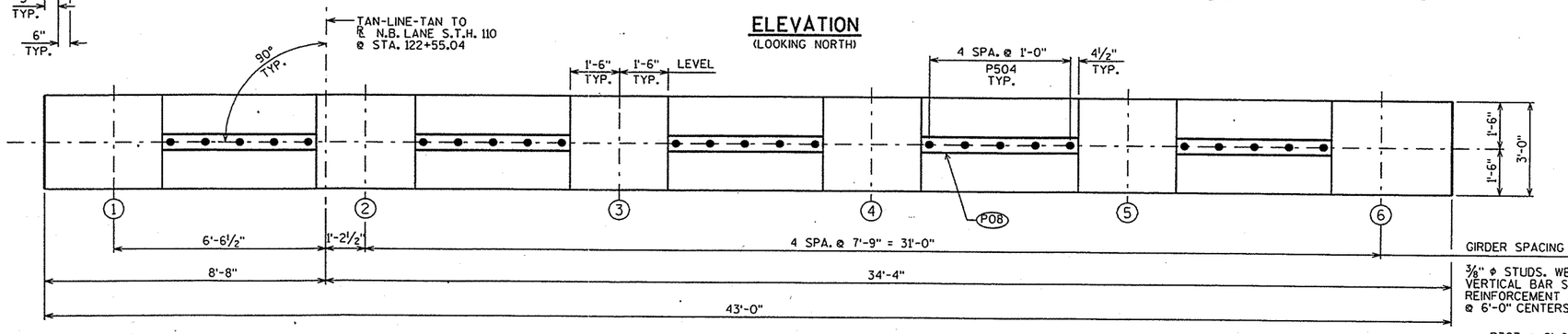
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

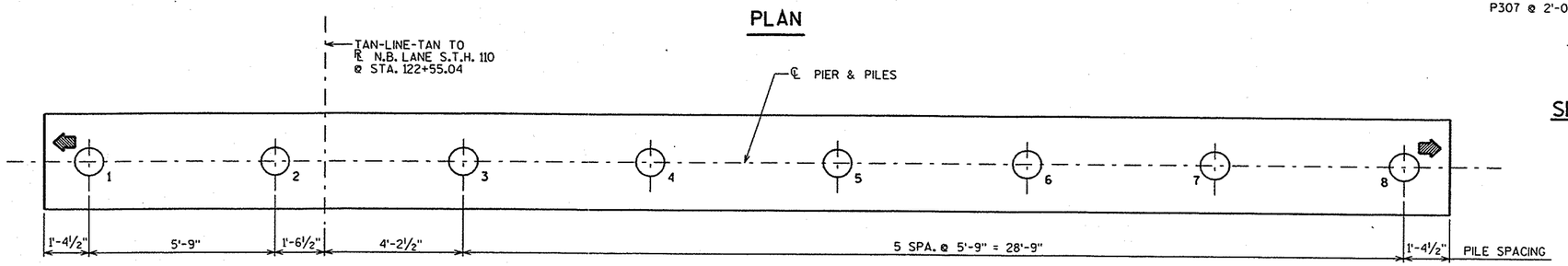
BAR MARK	COAT	NO. REQ'D. PIER 1	PIER 2	PIER 3	PIER 4	LENGTH	BENT	BAR SERIES	LOCATION
P501		39	39	39	39	11'-0"	X		CAP-STIRRUPS
P602		4	4	4	4	42'-6"			CAP-BOTTOM-HORIZ.
P503		2	2	2	2	42'-6"			CAP-SIDES-HORIZ.
P504		25	25	25	25	2'-0"			CAP-DOWELS
P505		2	2	2	2	5'-2"	X		CAP-ENDS
P706		48	48	48	48	30'-0"			PILES-VERT.
P307		128	128	128	128	3'-8"	X		PILES-HORIZ.
P608		8	8	8	8	24'-9"	X		CAP-TOP-HORIZ.



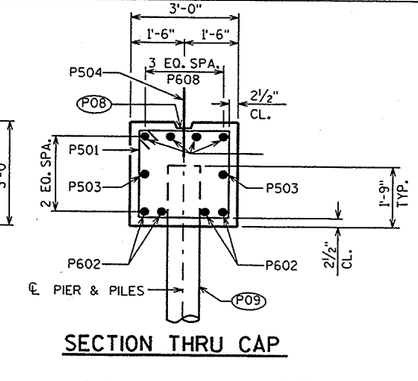
ELEVATION
(LOOKING NORTH)



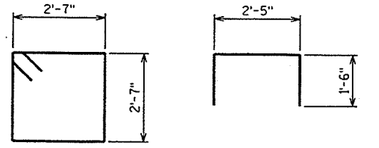
PLAN



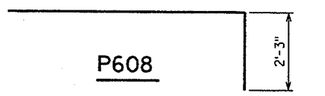
PILE PLAN



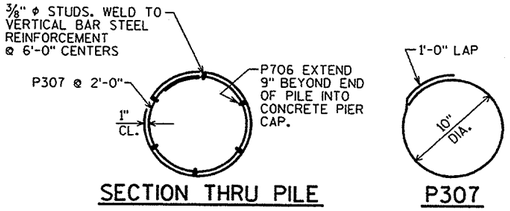
SECTION THRU CAP



P501 P505



P608



SECTION THRU PILE

P307

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-213

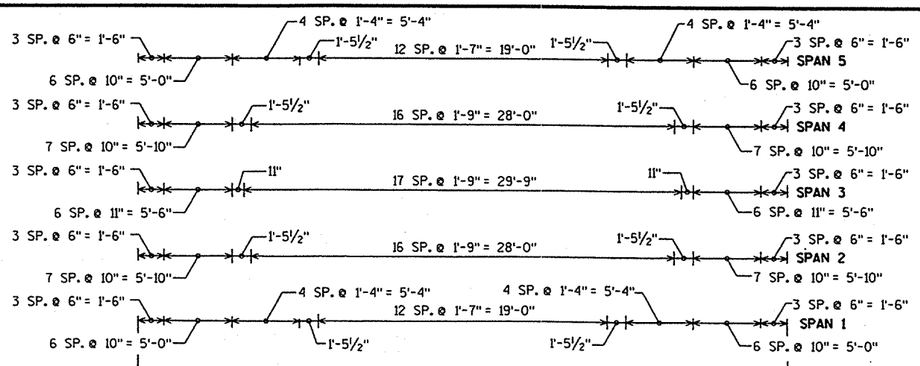
CONST. SPEC.	DRAWN BY	PLANS CK'D.
1996	DDS	CRJ

PIERS 1 THRU 4

SHEET 8

FILE= 70213PIER.DGN
SCALE = 2

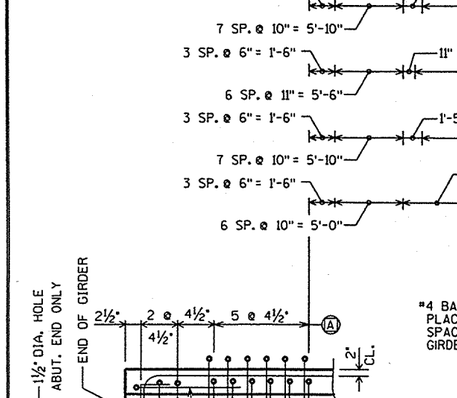
STATE PROJECT NUMBER	SHEET NO.
6200-05-71	8.37



SIDE VIEW & TYP. SECTION IN SPAN

Ⓐ DETAIL TYP. AT EACH END

Ⓑ 2-#4 BARS BEND DOWN 16 BAR DIA. AT ENDS 1'-11" MIN. LAP (TYP.-ALL SPANS)



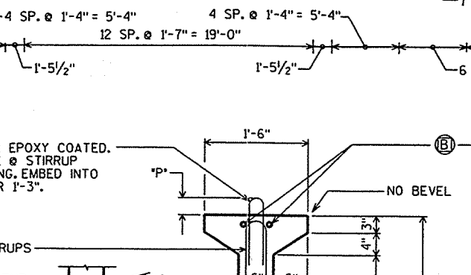
◉ INDICATES STRAND TO BE DEBONDED. SEE "BOND BREAKER DETAIL"

DRAPED PATTERN

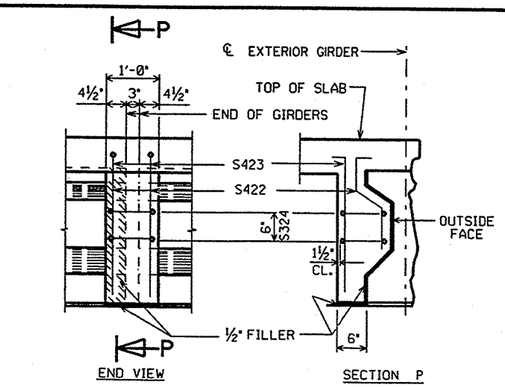
UNDRAPED PATTERN

BOND BREAKER DETAIL

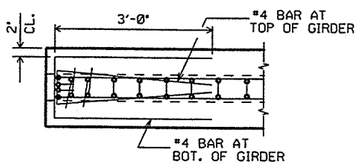
SHOWING LENGTHS OF DEBONDING FROM END OF GIRDER.



TYP. STRAND PATTERN



PILASTER DETAILS AT PIERS



TOP VIEW OF GIRDER ENDS

GIRDER NOTES

TOP OF GIRDER TO BE ROUGH FLOATED AND BROOMED TRANSVERSELY, EXCEPT THE OUTSIDE 2" OF GIRDER, WHICH SHALL BE TROWEL FINISHED.

THE GIRDERS SHALL BE PROVIDED WITH A SUITABLE LIFTING DEVICE FOR HANDLING AND ERECTING THE GIRDERS.

PRESTRESSING STRANDS SHALL BE 0.6"ϕ - 7 WIRE LOW-RELAXATION STRANDS WITH AN ULTIMATE STRENGTH OF 270,000 psi AND SHALL BE FLUSH WITH THE ENDS OF THE GIRDER.

BEND EACH END OF #4 STIRRUPS 4½" AND #5 STIRRUPS 6".

FOR DIAPHRAGM INSERT & CONNECTION DETAILS SEE "STEEL DIAPHRAGM" SHEET.

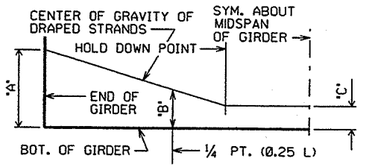
ALL GIRDERS SHALL BE CAST FULL LENGTH AS SHOWN.

SPACING SHOWN FOR #4 STIRRUPS IS FOR GRADE 60 REINFORCEMENT. IF THE FABRICATOR WANTS TO BUILD A BAR STEEL CAGE BY WELDING LONGITUDINAL REINFORCEMENT TO THE #4 STIRRUPS, 2 OPTIONS ARE AVAILABLE:

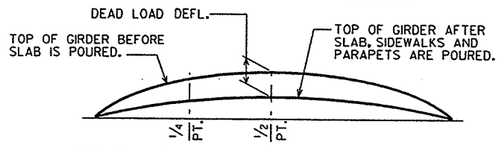
1. USE ASTM A706, GRADE 60 REINFORCEMENT AND THE STIRRUP SPACING AS SHOWN ON THE PLANS.
2. USE ASTM A615, GRADE 40 REINFORCEMENT AND A MODIFIED STIRRUP SPACING SUBMITTED TO AND APPROVED BY THE STRUCTURES DEVELOPMENT SECTION.

AN ALTERNATE EQUIVALENT OF WELDED WIRE FABRIC (WWF) MAY BE SUBSTITUTED FOR THE STIRRUP REINFORCEMENT SHOWN, UPON APPROVAL OF THE STRUCTURES DEVELOPMENT SECTION

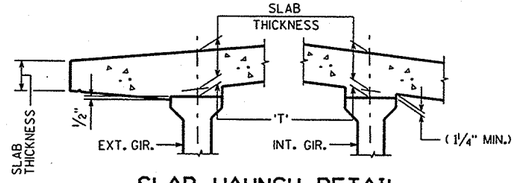
WELDED WIRE FABRIC SHALL CONFORM TO THE REQUIREMENTS OF ASTM A497.



DRAPED STRAND PROFILE



DEAD LOAD DEFLECTION DIAGRAM



SLAB HAUNCH DETAIL

IF 1¼" MINIMUM HAUNCH HEIGHT AT EDGE OF GIRDER CANNOT BE MAINTAINED, THE GRADE LINE MAY BE REVISED BY THE ENGINEER AT THE OPTION OF THE CONTRACTOR. THE PLAN SLAB THICKNESS SHALL BE HELD. NOTIFY BRIDGE OFFICE FOR HAUNCH HEIGHTS OVER 4".

TO DETERMINE 'T' ELEV. OF TOP OF GIR'S. AT ℄ OF SUBSTRUCTURE UNITS & AT ¼ POINTS OF EACH SPAN SHALL BE TAKEN. THEN FOLLOW THIS PROCESS:

TOP OF DECK ELEV. AT FINAL GRADE
- TOP OF GIRDER ELEVATION
+ DEAD LOAD DEFLECTION
- SLAB THICKNESS
= HAUNCH HEIGHT 'T'

* MINIMUM CYLINDER STRENGTH OF CONCRETE @ TIME OF TRANSFER OF PRESTRESS FORCE.

GIRDER DATA

SPAN	GIRDER LENGTH "L"	DEAD LOAD DEFL. (IN.)				CONC. STRGTH. f'c (P.S.I.)	"P"	DIA. OF STRAND	DRAPED PATTERN						UNDRAPED PATTERN	
		⅛	¼	⅜	½				TOTAL NO. OF STRANDS	f'ci (P.S.I.) *	(IN.) "A"	"B" MIN.	"B" MAX.	"C"	TOTAL NO. OF STRANDS	f'ci (P.S.I.) *
1	52.00	0.33	0.57	0.71	0.76	7500	6	0.60	12	5500	25.00	8.50	11.25	3.00	0	0
2	52.00	0.35	0.59	0.74	0.79	7500	6	0.60	12	5500	25.00	8.50	11.25	3.00	0	0
3	52.00	0.35	0.59	0.74	0.79	7500	6	0.60	12	5500	25.00	8.50	11.25	3.00	0	0
4	52.00	0.35	0.59	0.74	0.79	7500	6	0.60	12	5500	25.00	8.50	11.25	3.00	0	0
5	52.00	0.33	0.57	0.71	0.76	7500	6	0.60	12	5500	25.00	8.50	11.25	3.00	0	0

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-213

CONST. SPEC. 1996	DRAWN BY DDS	PLANS CK'D. CRJ

28" PRESTRESSED GIRDER DETAILS

SHEET 9

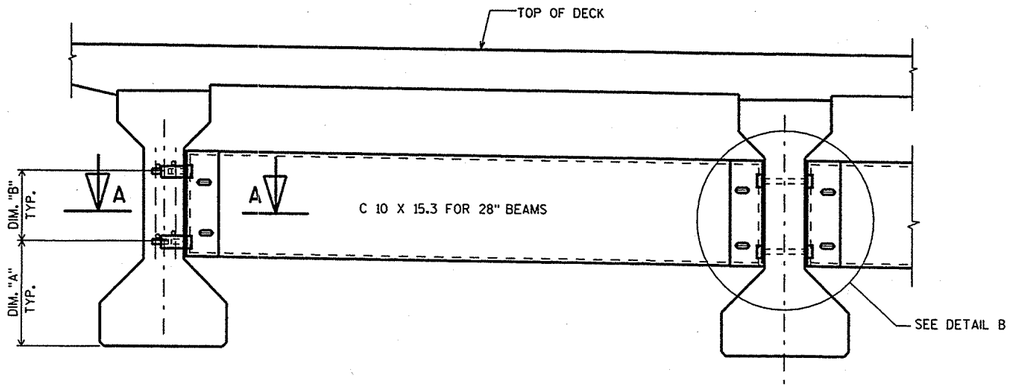
LV = 12345 7 9

FILE= 70213GIR.DGN
SCALE = 2.66

STATE PROJECT NUMBER	SHEET NO.
6200-05-71	8.38

TABLE

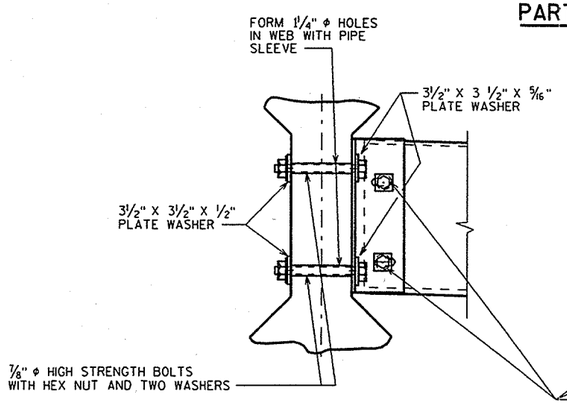
GIRDER HEIGHT	DIM. "A"	DIM. "B"	DIM. "L"	DIM. "X"
28"	1'-0 7/8"	5 7/8"	9 1/2"	2 1/4"
~~36"~~	~~1'-2 7/8"~~	~~9 7/8"~~	~~1'-1 1/2"~~	~~3 1/4"~~
~~45"~~	~~1'-5 7/8"~~	~~1'-1 7/8"~~	~~1'-5 1/2"~~	~~2 1/4"~~
~~54"~~	~~1'-7 7/8"~~	~~1'-5 7/8"~~	~~1'-9 1/2"~~	~~4 1/4"~~
~~54W"~~	~~1'-9 1/8"~~	~~1'-5 7/8"~~	~~1'-9 1/2"~~	~~4 1/4"~~



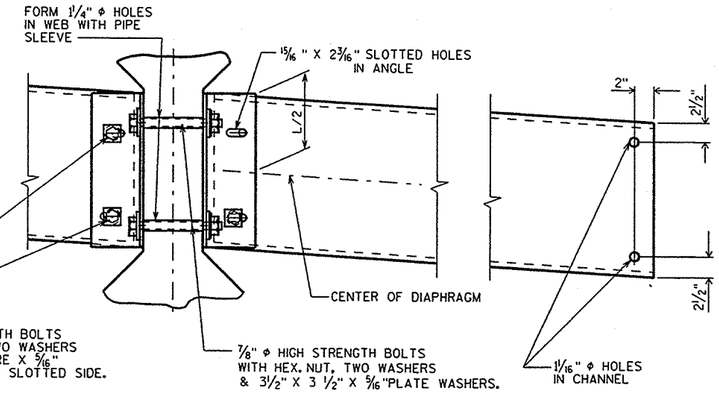
EXTERIOR GIRDER

INTERIOR GIRDER

PART TRANSVERSE SECTION AT DIAPHRAGM



(FOR STAGGERED DIAPHRAGM)



(FOR CONTINUOUS LINE OF DIAPHRAGMS)

DETAIL B

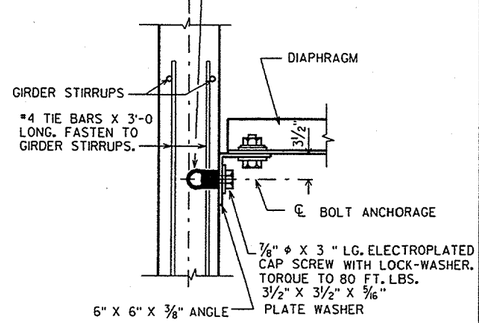
NOTES

ALL DIAPHRAGM MATERIAL NOT EMBEDDED IN THE CONCRETE GIRDER SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "STEEL DIAPHRAGM", STRUCTURE, EACH.

EACH DIAPHRAGM BETWEEN GIRDERS SHALL CONSTITUTE ONE UNIT.

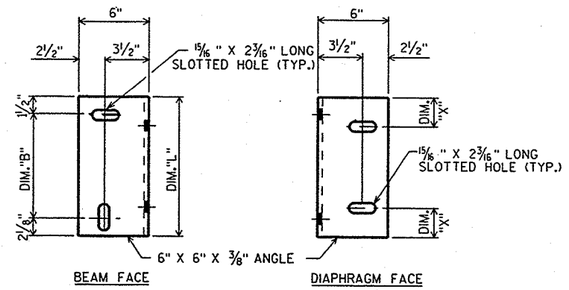
ALL DIAPHRAGM STRUCTURAL STEEL SHALL BE ASTM A709 GRADE 36. ALL BOLTS, NUTS AND WASHERS SHALL BE ASTM A325 TYPE 1.

ALL DIAPHRAGM STRUCTURAL STEEL SHOWN SHALL BE HOT-DIPPED GALVANIZED. ALL BOLTS, NUTS AND WASHERS SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A153 CLASS C. GALVANIZED NUTS SHALL BE TAPPED OVERSIZE IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM A563 AND SHALL MEET THE REQUIREMENTS OF SUPPLEMENTARY REQUIREMENT S1 OF ASTM A563, LUBRICANT AND TEST FOR COATED NUTS.



SECT. A-A

(FOR EXTERIOR ATTACHMENT)



DIAPHRAGM SUPPORT

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-213

CONST. SPEC.	1996	DRAWN BY	DDS	PLANS CK'D.	CRJ

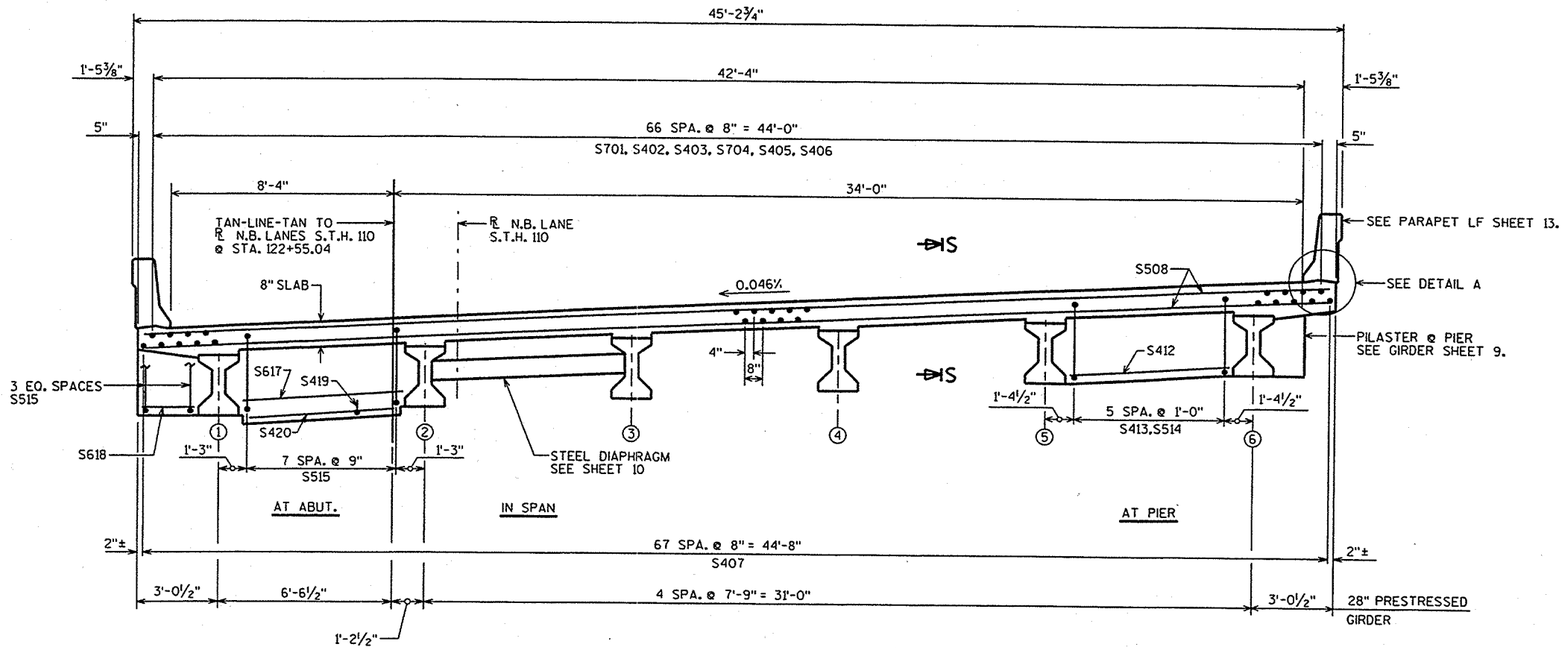
STEEL DIAPHRAGM

SHEET 10

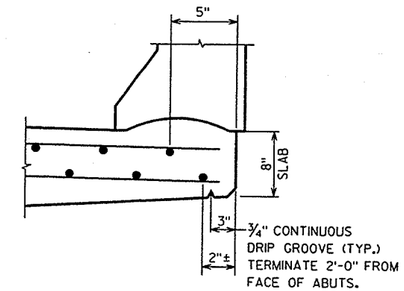
FILE= 70213DIA.DGN
SCALE = 1

SCALE = 12.000000 '/IN

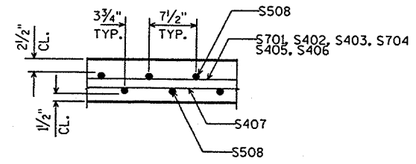
STATE PROJECT NUMBER	SHEET NO.
6200-05-71	8.39



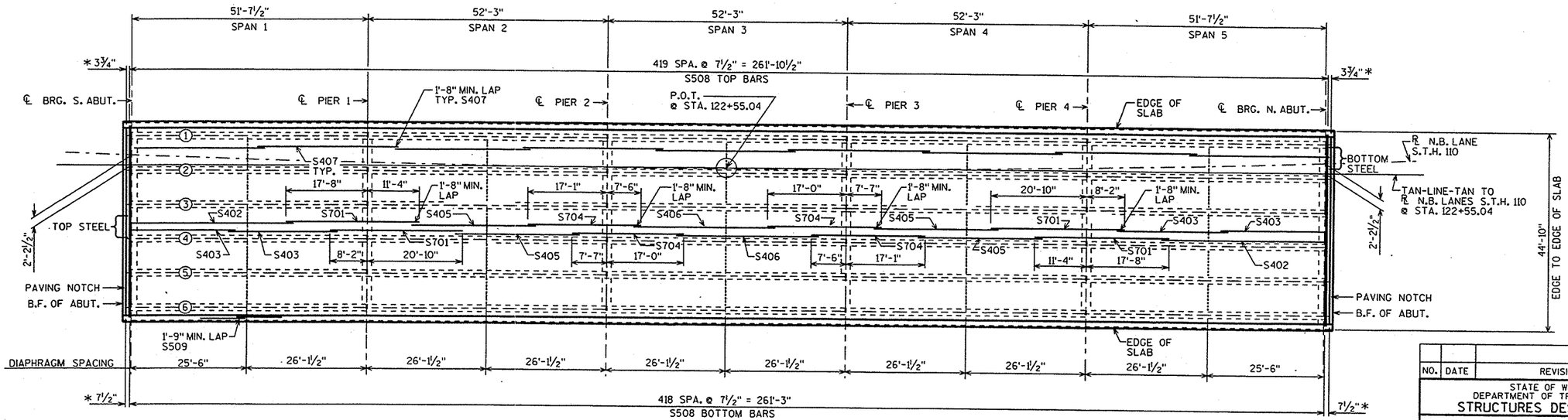
CROSS SECTION THRU ROADWAY
(LOOKING NORTH)



DETAIL A



SECTION S-S



PLAN

* DISTANCE MEASURED TO END OF SLAB (@ PAVING NOTCH)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

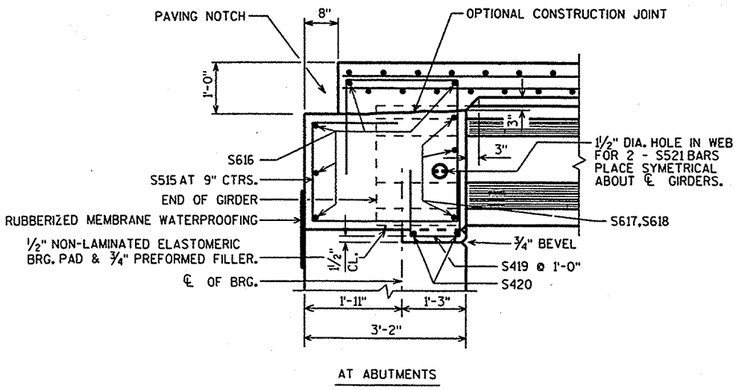
STRUCTURE B-70-213

CONST. SPEC.	1996	DRAWN BY	DDS	PLANS CK'D.	CRJ

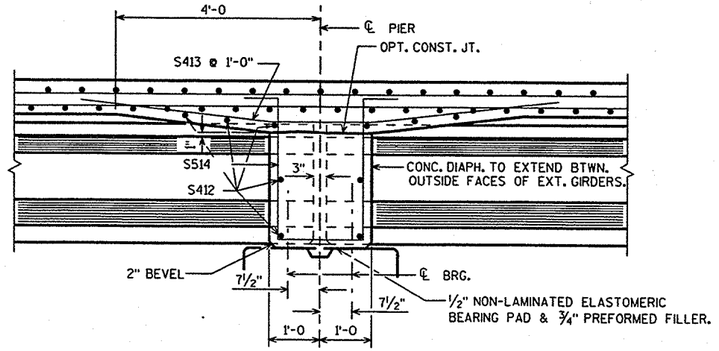
SUPERSTRUCTURE

SHEET 11

STATE PROJECT NUMBER	SHEET NO.
6200-05-71	8.40

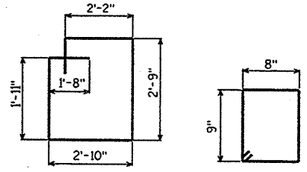


AT ABUTMENTS



AT PIER DIAPHRAGM

PART LONGIT. SECTION



S515

S324

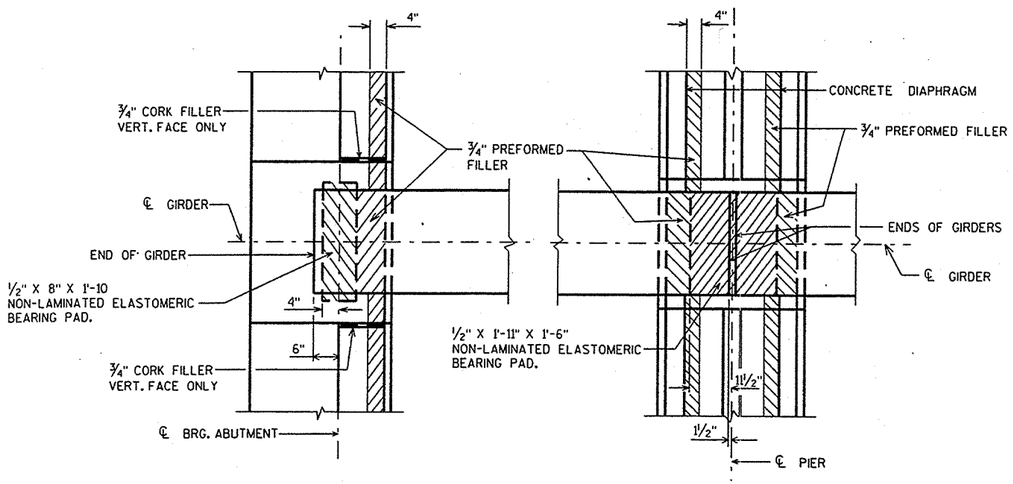
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

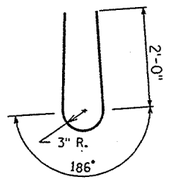
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
S701	X	134	29'-0"			LONGITUDINAL CONTINUITY
S402	X	67	36'-8"			LONGITUDINAL TOP
S403	X	134	23'-11"			LONGITUDINAL TOP
S704	X	134	24'-7"			LONGITUDINAL CONTINUITY
S405	X	134	27'-2"			LONGITUDINAL TOP
S406	X	67	31'-1"			LONGITUDINAL TOP
S407	X	612	30'-9"			LONGITUDINAL BOTTOM
S508	X	839	44'-6"			TRANSVERSE TOP AND BOTTOM
S509	X	70	39'-2"			PARAPET LF-HORIZ.
S510	X	792	4'-10"	X		PARAPET LF-VERT.
S511	X	792	4'-9"	X		PARAPET LF-VERT.
S412	X	200	5'-11"			PIER DIAPHRAGM-HORIZ.
S413	X	120	10'-2"	X		PIER DIAPHRAGM-VERT.
S514	X	120	8'-2"	X		PIER DIAPHRAGM-VERT.
S515	X	96	12'-9"	X		ABUT. DIAPHRAGM-VERT.
S616	X	20	24'-0"			ABUT. DIAPHRAGM-HORIZ.
S617	X	30	5'-11"			ABUT. DIAPHRAGM-HORIZ.
S618	X	12	2'-0"			ABUT. DIAPHRAGM-HORIZ.
S419	X	60	3'-3"	X		ABUT. DIAPHRAGM-VERT.
S420	X	20	4'-11"			ABUT. DIAPHRAGM-HORIZ.
S521	X	24	6'-0"			ABUT. DIAPHRAGM @ GIRDERS
S422	X	16	2'-9"	X		PIER PILASTER
S423	X	16	3'-3"	X		PIER PILASTER
S324	X	16	3'-4"	X		PIER PILASTER

TOP OF DECK ELEVATIONS

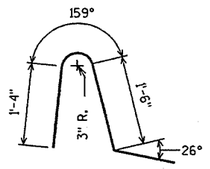
	S. ABUT.	1/4	2/4	3/4	PIER 1	1/4	2/4	3/4	PIER 2	1/4	2/4	3/4	PIER 3	1/4	2/4	3/4	PIER 4	1/4	2/4	3/4	N. ABUT.
GIR. 1	756.58	756.51	756.44	756.37	756.31	756.24	756.18	756.12	756.07	756.01	755.96	755.92	755.87	755.83	755.80	755.76	755.73	755.70	755.68	755.66	755.64
GIR. 2	756.93	756.86	756.80	756.73	756.66	756.60	756.54	756.48	756.42	756.37	756.32	756.27	756.23	756.19	756.15	756.12	756.09	756.06	756.04	756.01	756.00
GIR. 3	757.29	757.22	757.15	757.08	756.02	756.96	756.89	756.84	756.78	756.73	756.68	756.63	756.59	756.55	756.51	756.48	756.45	756.42	756.39	756.37	756.35
GIR. 4	757.65	757.57	757.51	757.44	757.37	757.31	757.25	757.19	757.14	757.08	757.03	756.99	756.94	756.90	756.87	756.83	756.80	756.77	756.75	756.73	756.71
GIR. 5	758.00	757.93	757.86	757.80	757.73	757.67	757.61	757.55	757.49	757.44	757.39	757.34	757.30	757.26	757.22	757.19	757.16	757.13	757.11	757.09	757.07
GIR. 6	758.36	758.29	758.22	758.15	758.09	758.02	757.96	757.90	757.85	757.80	757.75	757.70	757.66	757.62	757.58	757.55	757.52	757.49	757.46	757.44	757.42



BEARING PAD DETAIL



S510



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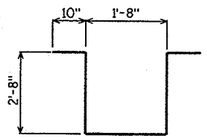

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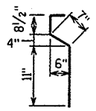
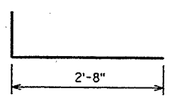


S422



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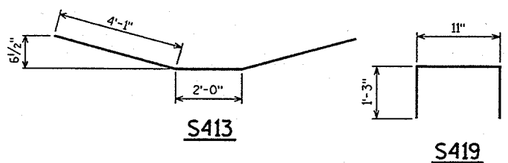


S413

S419

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-213

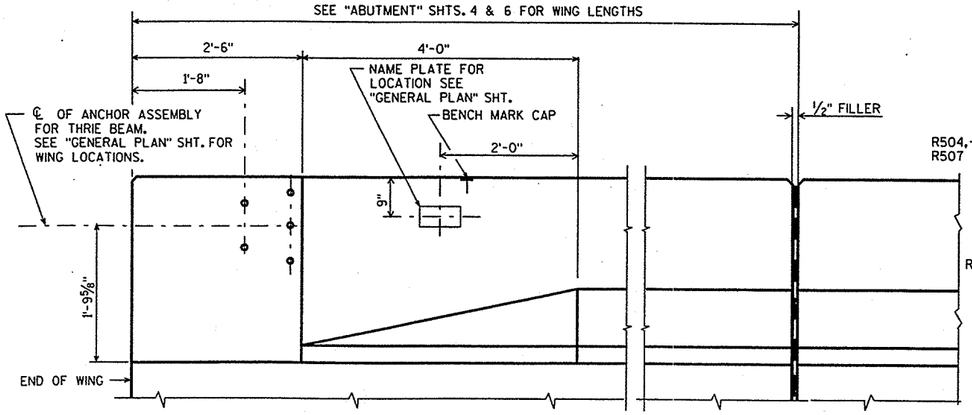
CONST. SPEC.	DRAWN BY	PLANS CK'D.
1996	DDS	CRJ

SUPERSTRUCTURE DETAILS

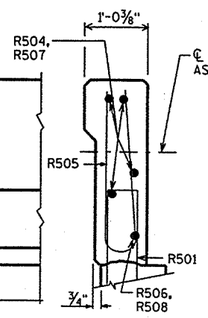
SHEET 12

FILE= 70213SUPERDET.DGN
SCALE = 1.333

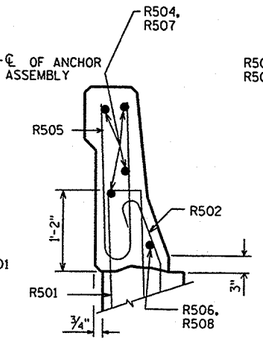
STATE PROJECT NUMBER	SHEET NO.
6200-05-71	8.41



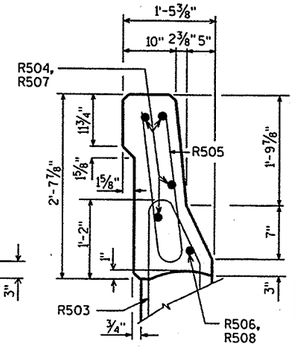
INSIDE ELEVATION



SECTION A



SECTION B

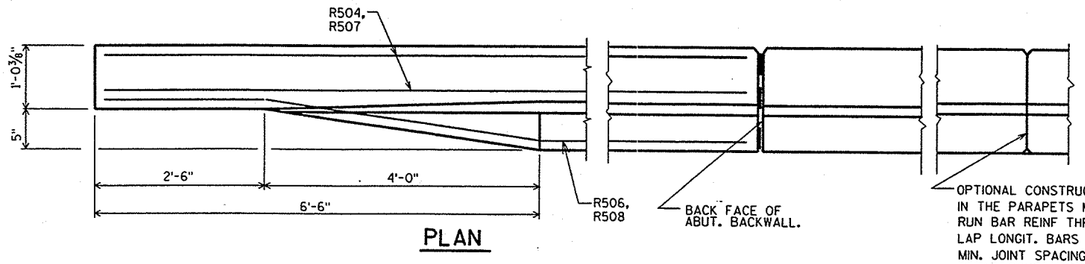


SECTION C

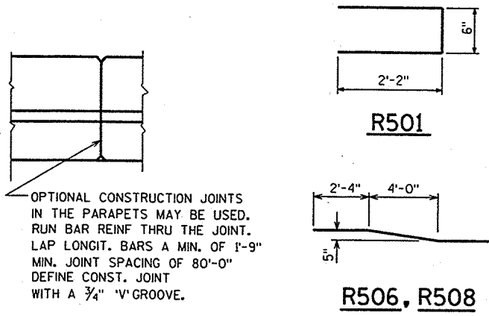
BILL OF BARS

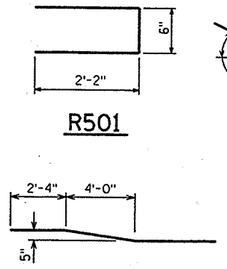
FOR ABUTMENT PARAPETS

BAR MARK	COAT	S. ABUT.	N. ABUT.	LENGTH	BENT	LOCATION
R501	X	28	28	4'-7"	X	PARAPET VERT.
R502	X	16	16	3'-2"	X	PARAPET VERT.
R503	X	13	13	4'-8"	X	PARAPET VERT.
R504	X	4	4	11'-8"		PARAPET HORIZ. - WINGS 1& 4
R505	X	41	41	4'-10"	X	PARAPET VERT.
R506	X	1	1	11'-8"	X	PARAPET HORIZ. - WINGS 1& 4
R507	X	4	4	9'-8"		PARAPET HORIZ. - WINGS 2 & 3
R508	X	1	1	9'-8"	X	PARAPET HORIZ. - WINGS 2 & 3



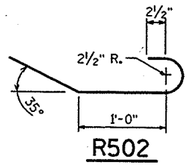
PLAN





R506, R508

R501



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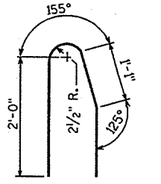

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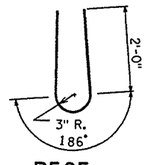

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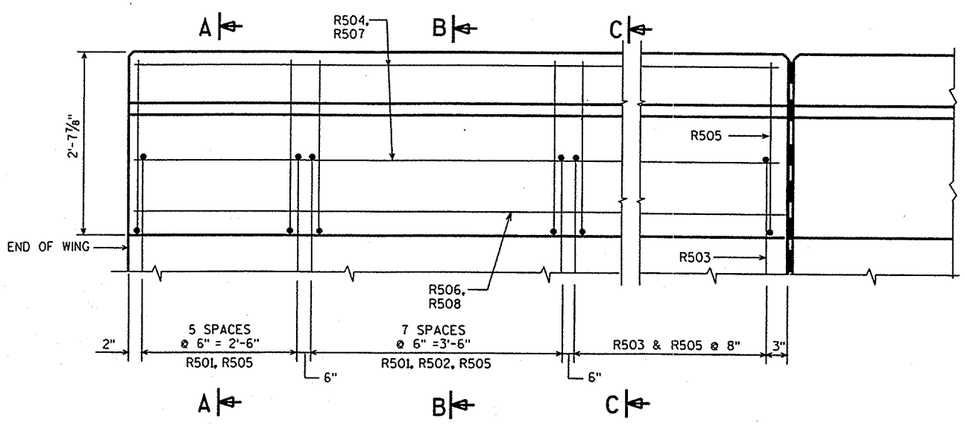
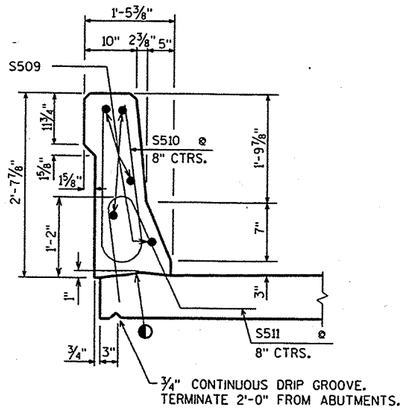
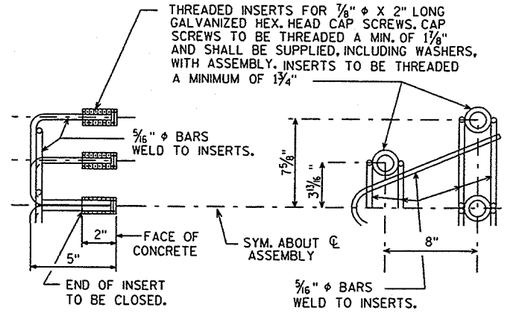


OUTSIDE ELEVATION



SECTION THRU PARAPET ON BRIDGE

◐ CONST. JOINT - STRIKE OFF AS SHOWN.



DETAIL OF ANCHOR ASSEMBLY

NOTE: HEX. HEAD CAP SCREWS & WASHERS TO BE GALVANIZED IN ACCORDANCE WITH AASHTO M232 CLASS C.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-213

CONST. SPEC.	1996	DRAWN BY	DDS	PLANS CK'D.	CRS

SLOPED FACE PARAPET LF

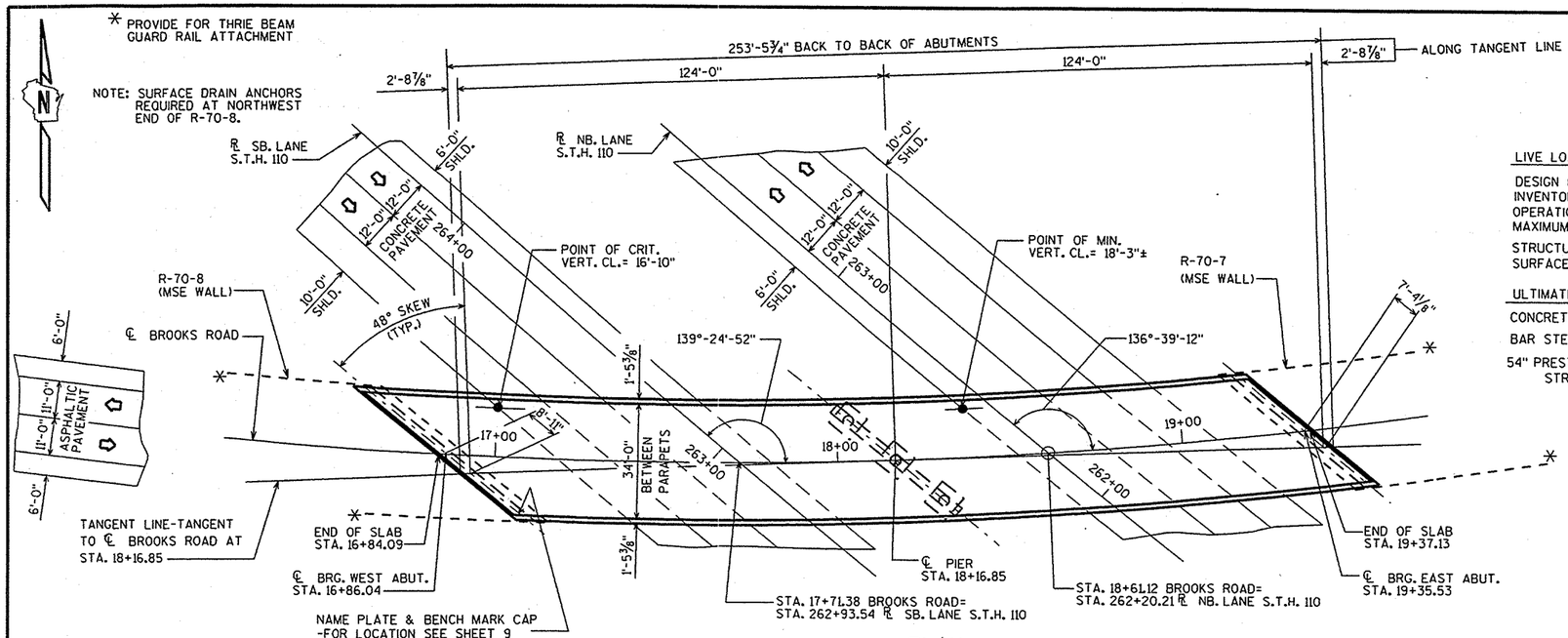
SHEET 13

FILE= 70213PP.DGN
SCALE =

12 7 9 10 11 12 7

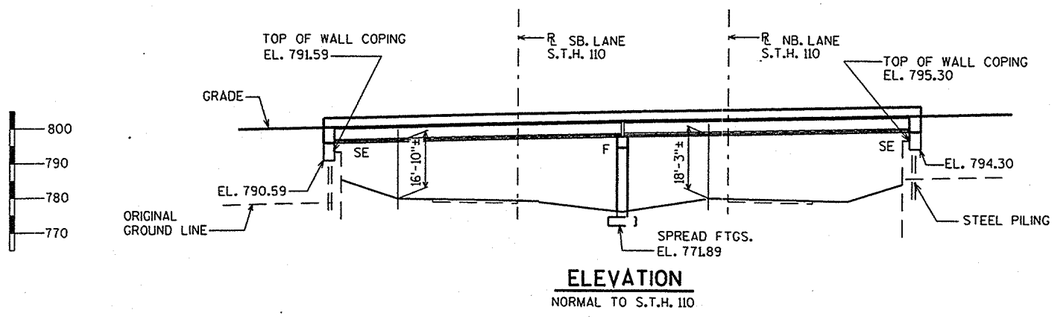
DISTRICT CONTACT: TOM BUCHHOLZ TYPE CODE = X281

STATE PROJECT NUMBER	SHEET NO.
6200-05-71	8.42



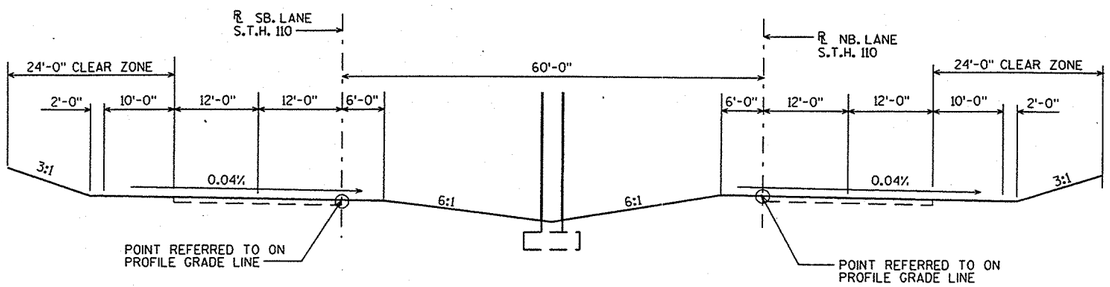
PLAN

2 SPAN-54" PRESTRESSED GIRDERS



ELEVATION

NORMAL TO S.T.H. 110



TYPICAL SECTION THRU S.T.H. 110

DESIGN DATA

LIVE LOAD:

DESIGN RATING: HS-20
INVENTORY RATING: HS-23
OPERATIONAL RATING: HS-53
MAXIMUM STANDARD PERMIT VEHICLE LOAD = 250 KIPS.

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

ULTIMATE DESIGN STRESSES:

CONCRETE MASONRY SLAB — f'c = 4,000 P.S.I. ALL OTHER — f'c = 3,500 P.S.I.
BAR STEEL REINFORCEMENT, GRADE 60 — fy = 60,000 P.S.I.
54" PRESTRESSED GIRDERS, CONCRETE MASONRY — f'c = 8,000 P.S.I.
STRANDS- .6" ϕ WITH ULTIMATE TENSILE STRENGTH OF 270,000 P.S.I.

FOUNDATION DATA

ABUTMENTS TO BE SUPPORTED ON HP10 X 42 STEEL PILING DRIVEN TO A MINIMUM BEARING VALUE OF 55 TONS PER PILE. ESTIMATED 25'-0 LONG AT WEST ABUTMENT AND 20'-0 LONG AT EAST ABUTMENT

PIER TO BE SUPPORTED ON SPREAD FOOTINGS. THE FOOTINGS ARE DESIGNED TO PLACE A MAX. LOAD OF 10 TSF ON THE UNDERLYING ROCK. ROCK AT FTG. ELEV. IS ESTIMATED TO HAVE AN ALLOWABLE BEARING CAPACITY OF 10 TSF.

TRAFFIC VOLUME

BROOKS ROAD	S.T.H. 110
A.D.T.=1400 (2022)	A.D.T.=18,950 (2022)
R.D.S.=50 M.P.H.	R.D.S.=70 M.P.H.

CURVE DATA

BROOKS ROAD	SB. LANE S.T.H. 110	NB. LANE S.T.H. 110
P.I. = STA. 17+36.67	P.I. = STA. 264+58.52	P.I. = STA. 264+49.35
Δ = 18°-58'-09"	Δ = 17°-22'-27"	Δ = 17°-22'-27"
D = 4°-00'-00"	D = 1°-14'-02"	D = 1°-15'-00"
T = 239.30'	T = 709.51'	T = 700.34'
L = 474.23'	L = 1408.13'	L = 1389.94'
R = 1432.39'	R = 4643.66'	R = 4583.66'
S.E. = 0.052%	S.E. = 0.04%	S.E. = 0.04%
P.C. = STA. 14+97.36	P.C. = STA. 257+49.01	P.C. = STA. 257+49.01
P.T. = STA. 19+71.59	P.T. = STA. 271+57.14	P.T. = STA. 271+38.94

LIST OF DRAWINGS

1. GENERAL PLAN
2. CROSS SECTION & QUANTITIES
3. SUBSURFACE EXPLORATION
4. WEST ABUTMENT
5. EAST ABUTMENT
6. PIER
7. 54" PRESTRESSED GIRDER DETAILS
8. STEEL DIAPHRAGM
9. FRAMING PLAN
10. SUPERSTRUCTURE DETAILS
11. SUPERSTRUCTURE
12. SUPERSTRUCTURE DETAILS

NO.	DATE	REVISION	BY

Plans Prepared By **WISDOT** STRUCTURES DESIGN

STRUCTURE B-70-217

BROOKS ROAD OVER S.T.H. 110

COUNTY WINNEBAGO		TOWN ~~CITY~~ ~~VILLAGE~~ VINLAND	
DESIGN SPEC. AASHTO STD. SPEC. 1998		LOAD HS-20	CONST. SPEC. 1996
DESIGNED BY SDR	DESIGN CK'D. MGW	DRAWN BY BJ	PLANS CK'D. S.C.K.

APPROVED G H Anderson 11-13-01
CHIEF STRUCTURAL DESIGN ENGINEER DATE

GENERAL PLAN

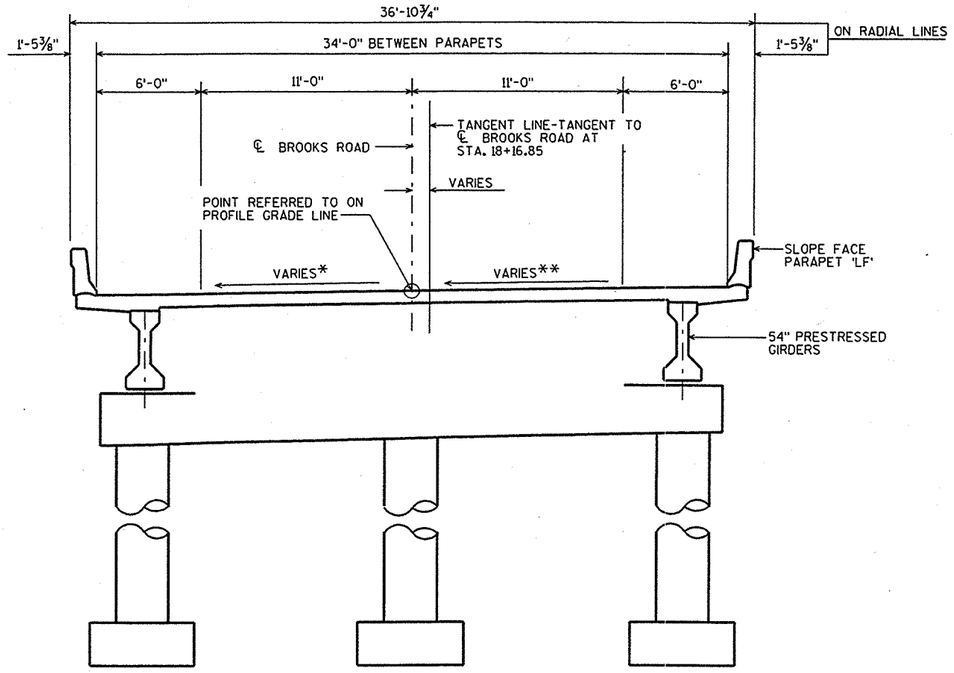
SHEET 1 OF 12

DATE: OCT. '01

I.D. 6200-05-03G

FILE= PREPLAN.DGN
SCALE = 20

STATE PROJECT NUMBER	SHEET NO.
6200-05-71	8.43



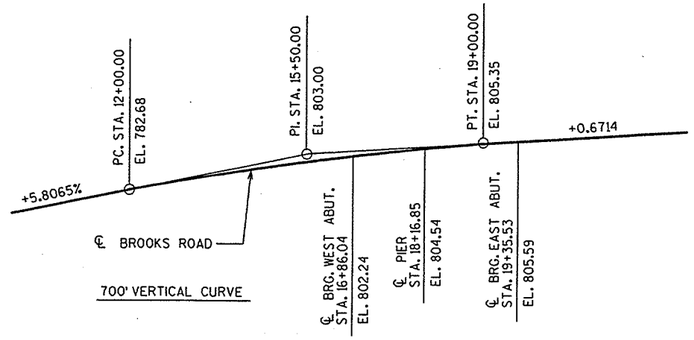
CROSS SECTION THRU ROADWAY LOOKING EAST

* 0.052% STA. 15+47.36 TO STA. 19+21.59
0.02% AT STA. 20+14.92

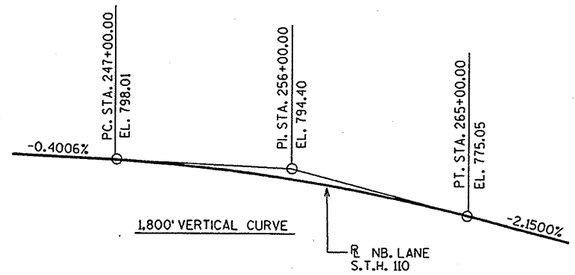
** 0.052% STA. 15+47.36 TO STA. 19+21.59
0.00% AT STA. 20+71.59

TOTAL ESTIMATED QUANTITIES

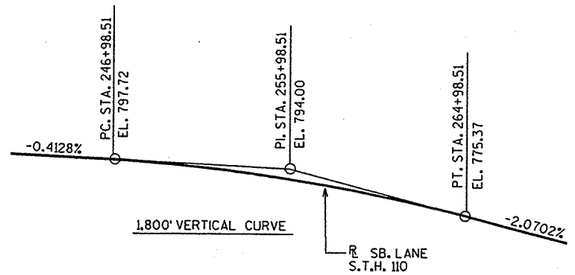
BID ITEMS	UNIT	SUPER.	WEST ABUT.	PIER	EAST ABUT.	TOTALS
EXCAVATION FOR STRUCTURES, BRIDGES, B-70-217	L.S.	——	——	——	——	1
STRUCTURE BACKFILL	C.Y.	——	304	——	250	554
CONCRETE MASONRY, BRIDGES	C.Y.	373	46	64	36	519
PROTECTIVE SURFACE TREATMENT	S.Y.	1160	——	——	——	1160
PRESTRESSED GIRDER, I TYPE, 54-INCH	L.F.	1749	——	——	——	1749
HIGH-STRENGTH BAR STEEL REINFORCEMENT, BRIDGES	LB.	——	3030	1510	2470	7010
COATED HIGH-STRENGTH BAR STEEL REINFORCEMENT, BRIDGES	LB.	66400	——	18360	——	84760
NON-LAMINATED ELASTOMERIC BEARING PADS	EACH	28	——	——	——	28
STEEL DIAPHRAGMS, STRUCTURE, B-70-217	EACH	24	——	——	——	24
STEEL PILING, DELIVERED AND DRIVEN, HP 10-INCH 42 POUND	L.F.	——	275	——	200	475
RUBBERIZED MEMBRANE WATERPROOFING	S.Y.	——	11	——	9	20
QMP, READY MIXED CONCRETE MASONRY FOR BRIDGES	C.Y.	373	46	64	36	519
QMP, MASONRY STRENGTH INCENTIVE, READY-MIXED CONCRETE	DOL.	——	——	——	——	5190
SLOPE PAVING, CRUSHED AGGREGATE	S.Y.	——	14	——	11	25
NON-BID ITEMS						
FILLER	SIZE	——	——	——	½" & ¾"	



PROFILE GRADE LINE BROOKS ROAD



NORTHBOUND LANE



SOUTHBOUND LANE

PROFILE GRADE LINE S.T.H. 110

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.

AT THE BACKFACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE IN PLACE BEFORE ABUTMENT CONSTRUCTION AND NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

THE EXISTING GROUNDLINE SHALL BE USED AS THE UPPER LIMITS OF EXCAVATION AT THE PIER.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-217

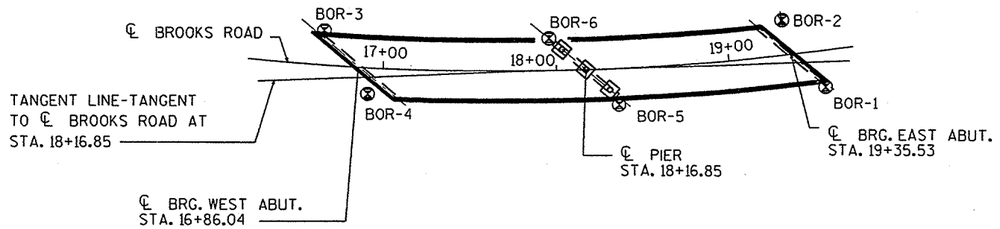
CONST. SPEC. 1996	DRAWN BY BJ	PLANS CK'D. J.C.K.

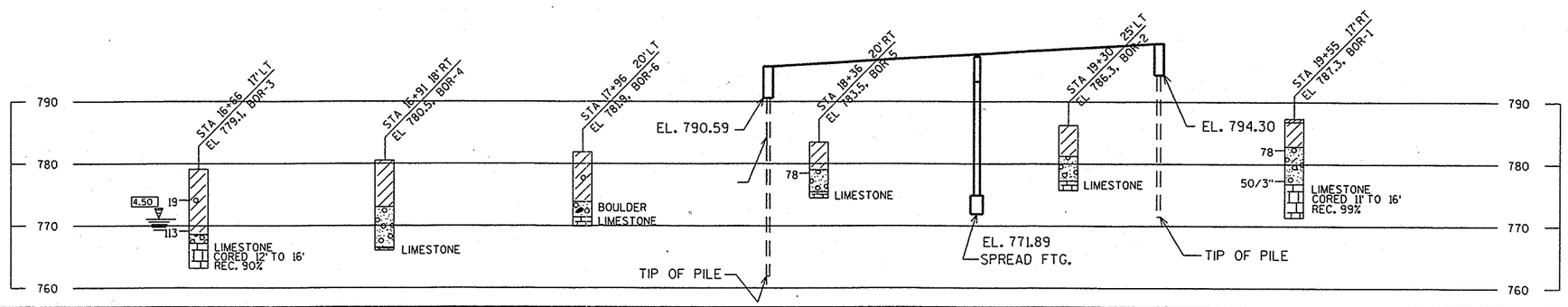
CROSS SECTION & QUANTITIES

SHEET 2

FILE= PREPLAN.DGN
SCALE = 4 "

STH 110 UNDER BROOKS RD.
USH 41 TO CTH GG, WINNEBAGO COUNTY





STATE PROJECT NUMBER	SHEET NO.
6200-05-71	8.44

ABBREVIATIONS
F — FINE M — MEDIUM C — COARSE
WS — WEATHERED SO — SOUND

MATERIAL SYMBOLS
TOPSOIL, SILT, SANDSTONE, SAND, PEAT, LIMESTONE, GRAVEL, CLAY, IGNEOUS ROCK

LEGEND OF PROBING
PROBING NO.
STA.
ELEVATION
95/6=95 BLOWS FOR 6" PENETRATION
PROBING TAKEN WITH A 350#WT. FALLING 18" ON A 2" O.D. POINT.
7 AVERAGE BLOWS PER FOOT
REFUSAL 95/6

LEGEND OF BORING
BORING NO.
ELEV.
STA.
UNCONFINED STRENGTH → 7.7 7
BLOWS PER FT. USING 140# WT. FALLING 30"
WASH SAMPLE
SANDY GRAVEL
F.
BOULDERS OR COBBLES
SAND
SHELBY TUBE — S.T.
GROUND WATER ELEVATION
NO GROUND WATER OBSERVED ABOVE THIS ELEVATION
SILTY CLAY
SO
LIMESTONE

UNLESS OTHERWISE SPECIFIED, THE BLOWS PER FOOT AT THE LOCATIONS INDICATED ARE BASED ON DRIVING A O.D. XL 4" I.D. SPLIT SPOON SAMPLER WITH A 140# HAMMER HAVING A FREE FALL OF 30". THE BLOW COUNT IS TAKEN IN UNDISTURBED SOIL IMMEDIATELY BELOW A CASED OR OPEN HOLE ELIMINATING SIDE FRICTION ON THE DRIVE PIPE.

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

TO OBTAIN RELATIVE DATA CONCERNING THE CHARACTER OF MATERIAL IN AND UPON WHICH THE FOUNDATION MIGHT BE BUILT, BORINGS AND/OR SOUNDINGS WERE MADE AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING. THE DATA PRESENTED HEREIN REPRESENTS THE FINDINGS OF THE SUBSURFACE EXPLORATIONS MADE. HOWEVER, BECAUSE THE DEPTHS INVESTIGATED ARE LIMITED AND THE AREA OF THE BORINGS AND/OR SOUNDINGS IS VERY SMALL IN RELATION TO THE ENTIRE AREA, THE DIVISION OF HIGHWAYS DOES NOT WARRANT CONDITIONS BELOW THE DEPTHS INVESTIGATED OR THAT THE CLASSIFICATION OF MATERIAL ENCOUNTERED IN THESE INVESTIGATIONS IS NECESSARILY TYPICAL OF THE ENTIRE SITE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-217

CONST. SPEC. 1996	DRAWN BY VJW	PLANS CK'D. S.C.K.

SUBSURFACE EXPLORATION — SHEET 3

FILE =
SCALE =

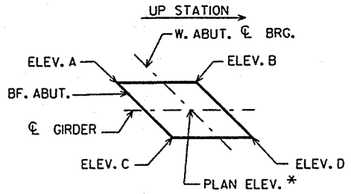
STATE PROJECT NUMBER	SHEET NO.
6200-05-71	8.45

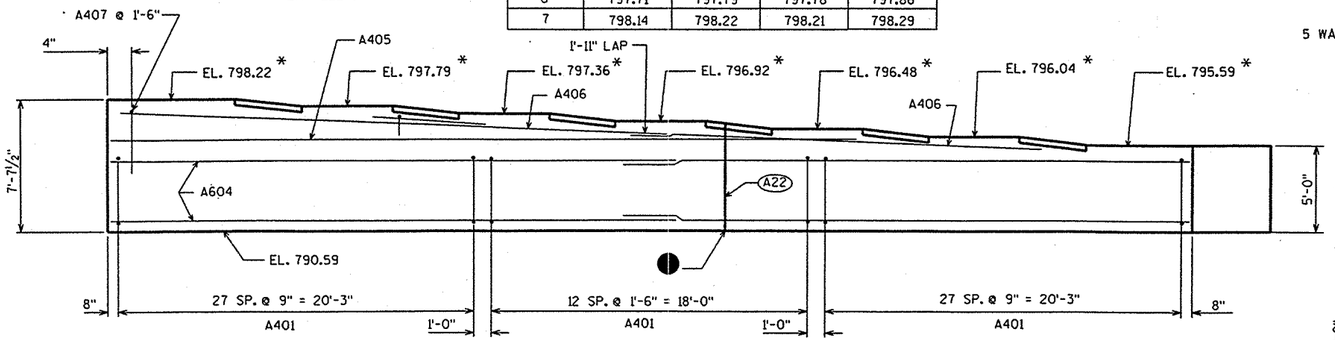
SLOPING BEAM SEAT ELEVATIONS

GIRDER	A	B	C	D
1	795.51	795.59	795.58	795.66
2	795.96	796.04	796.03	796.11
3	796.40	796.48	796.47	796.55
4	796.84	796.92	796.91	796.99
5	797.28	797.36	797.35	797.43
6	797.71	797.79	797.78	797.86
7	798.14	798.22	798.21	798.29

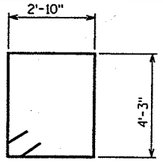
* ℄ GIRDER AT ℄ BRG. W. ABUT. ELEV.

● VERT. CONST. JT. - KEYWAY FORMED BY BEVELED 2" X 8" ¾" V-GROOVE ON FF. ABUTMENT.

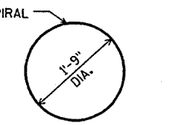




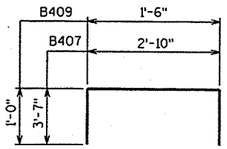
ELEVATION LOOKING WEST



A401



A402

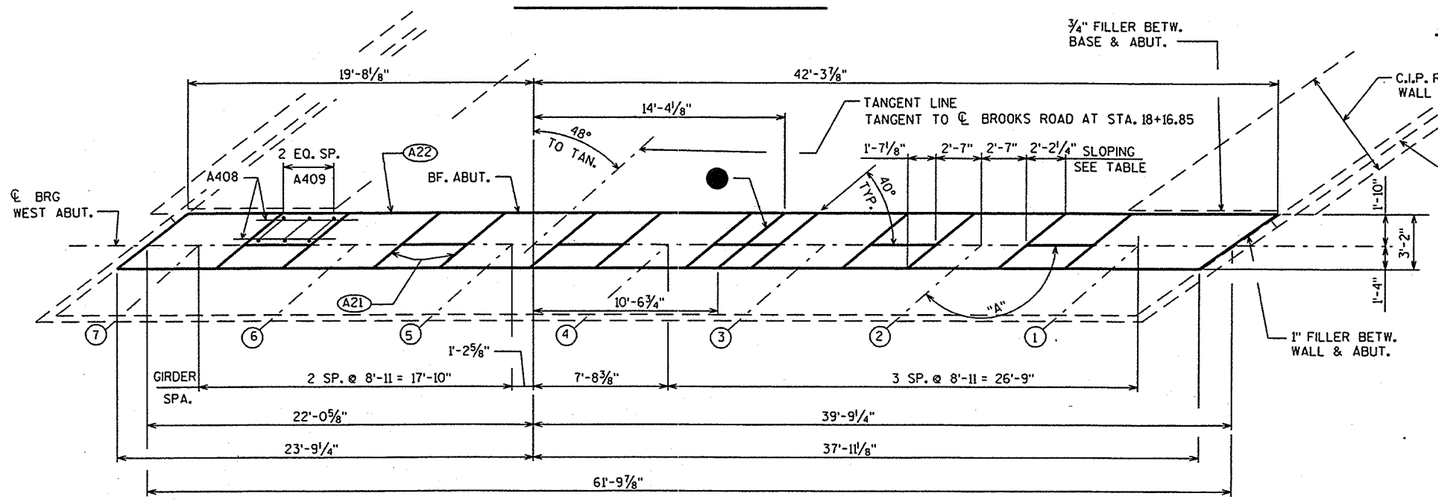


A407,A409

BILL OF BARS

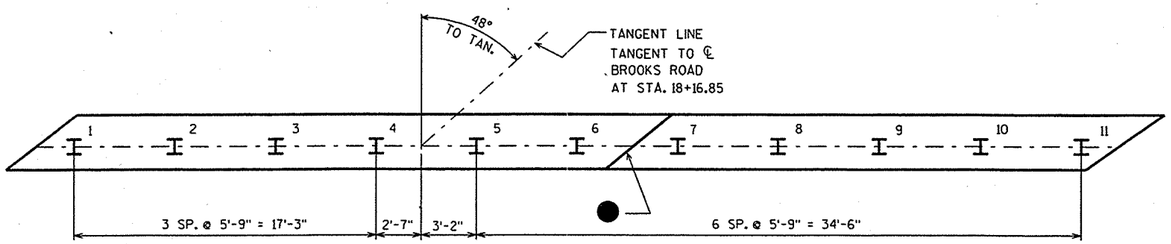
NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A401		69	14'-8	X		BODY - VERT.
A402		11	28'-0	X		BODY - 1 PER PILE
A403		22	2'-3			BODY - 2 PER PILE
A604		34	32'-4			BODY - HORIZ.
A405		2	29'-6			BODY - TOP - HORIZ.
A406		6	27'-0			BODY - TOP - HORIZ.
A407		35	9'-10	X		BODY - TOP - VERT.
A408		12	5'-9			BETW BEAM SEATS
A409		18	3'-5	X		BETW BEAM SEATS

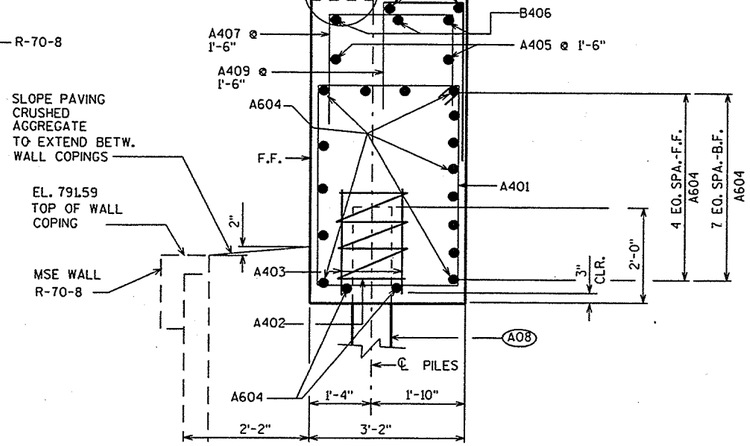


PLAN

"A" - FOR GIRDER ANGLES SEE SHT. 9.



PILE PLAN



SECTION THRU BODY

(A08) SUPPORT ABUTMENT ON HP 10 x 42 STEEL PILING, ESTIMATED 25'-0" LONG. & DRIVEN TO A MIN. BRG. VALUE OF 55 TONS PER PILE.

(A21) 3/4" CORK UP VERT. FACES OF BEAM SEATS.

(A22) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-217

CONST. SPEC. 1996	DRAWN BY BJ	PLANS CK'D. J.C.K.

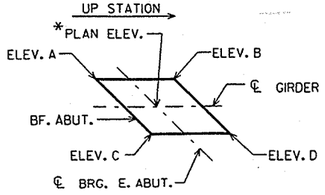
WEST ABUTMENT

SHEET 4

FILE= 217WABUT.DSGN
SCALE = 4

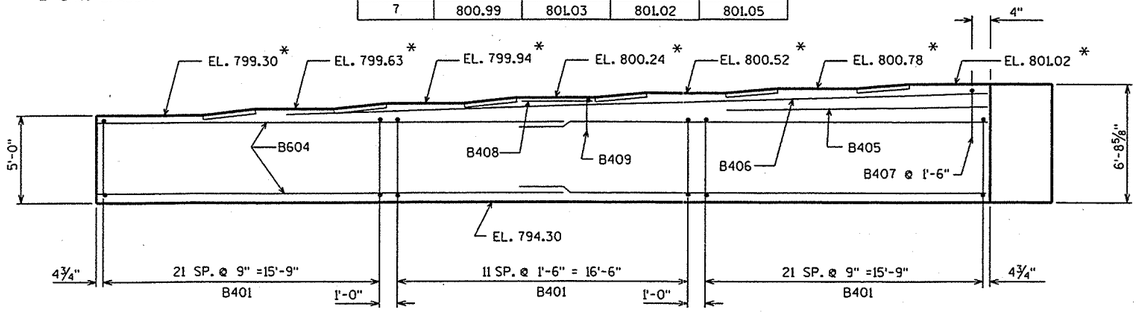
STATE PROJECT NUMBER	SHEET NO.
6200-05-71	8.46

SLOPING BEAM SEAT ELEVATIONS

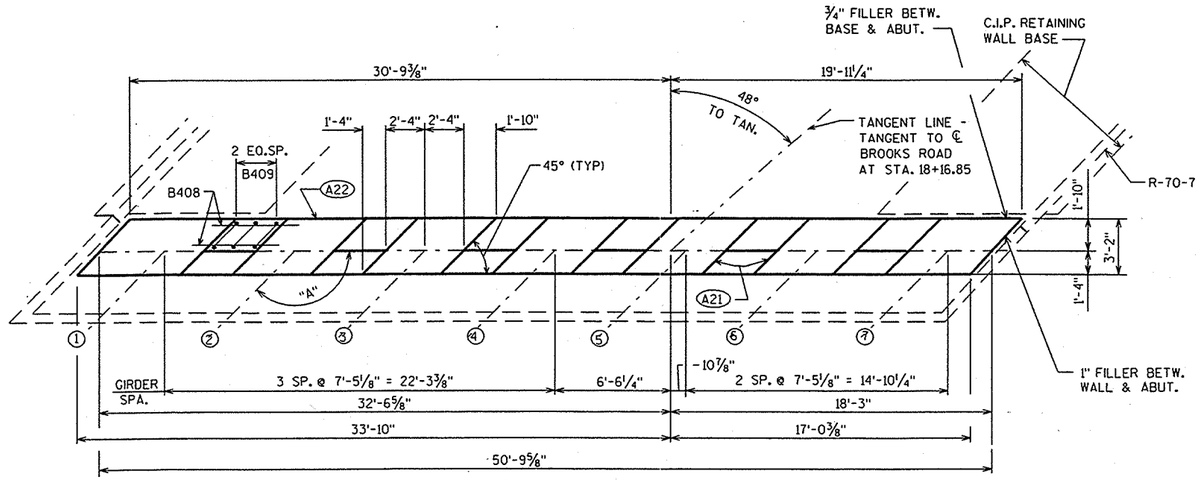


GIRDER	A	B	C	D
1	799.27	799.31	799.30	799.33
2	799.60	799.64	799.63	799.66
3	799.91	799.95	799.94	799.97
4	800.21	800.25	800.24	800.27
5	800.49	800.53	800.52	800.55
6	800.75	800.79	800.78	800.81
7	800.99	801.03	801.02	801.05

* ℄ GIRDER AT ℄ BRG. E. ABUT. ELEV.

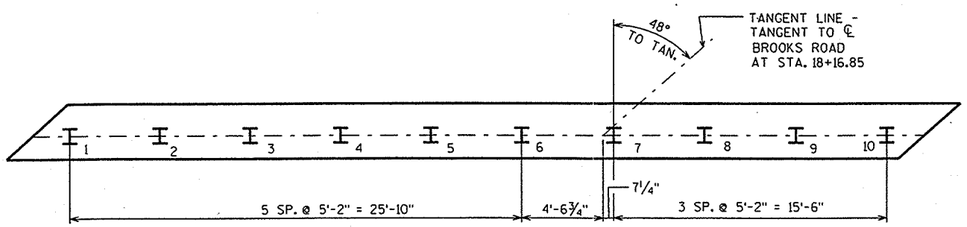


ELEVATION LOOKING EAST

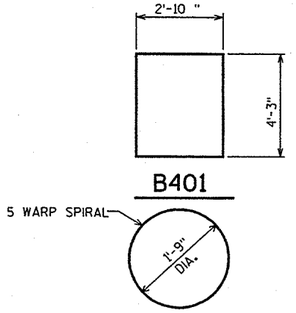


PLAN

"A" - FOR GIRDER ANGLES SEE SHT. 9.



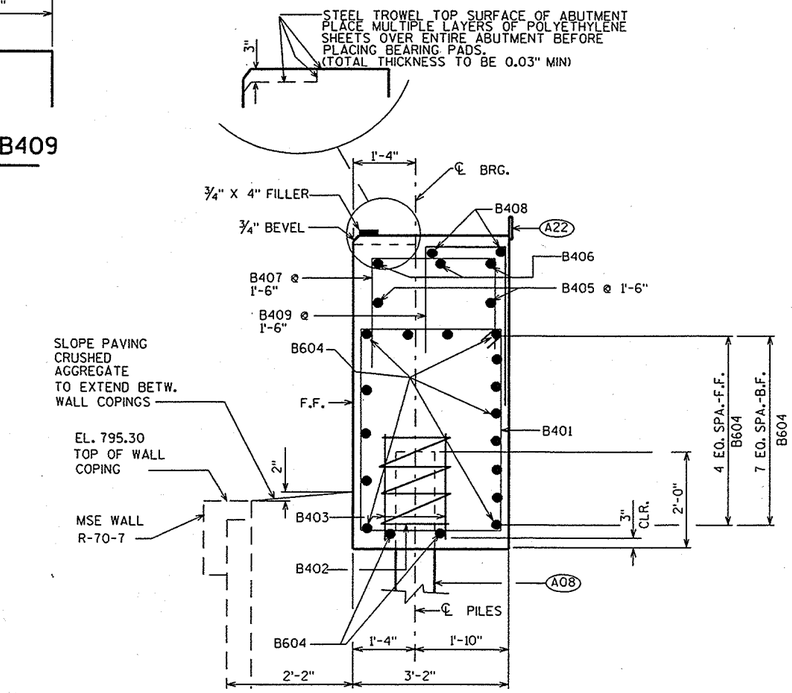
PILE PLAN



BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
B401		56	14'-8	X		BODY - VERT.
B402		10	28'-0	X		BODY - 1 PER PILE
B403		20	2'-3			BODY - 2 PER PILE
B604		34	26'-9			BODY - HORIZ.
B405		2	20'-0			BODY - TOP - HORIZ.
B406		3	42'-0			BODY - TOP - HORIZ.
B407		28	8'-2"	X		BODY - TOP - VERT.
B408		12	4'-9"			BETW BEAM SEATS
B409		18	3'-5	X		BETW BEAM SEATS



SECTION THRU BODY

(A08) SUPPORT ABUTMENT ON HP 10 x 42 STEEL PILING, ESTIMATED 20'-0" LONG, & DRIVEN TO A MIN. BRG. VALUE OF 55 TONS PER PILE.

(A21) 3/4" CORK UP VERT. FACES OF BEAM SEATS.

(A22) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-217

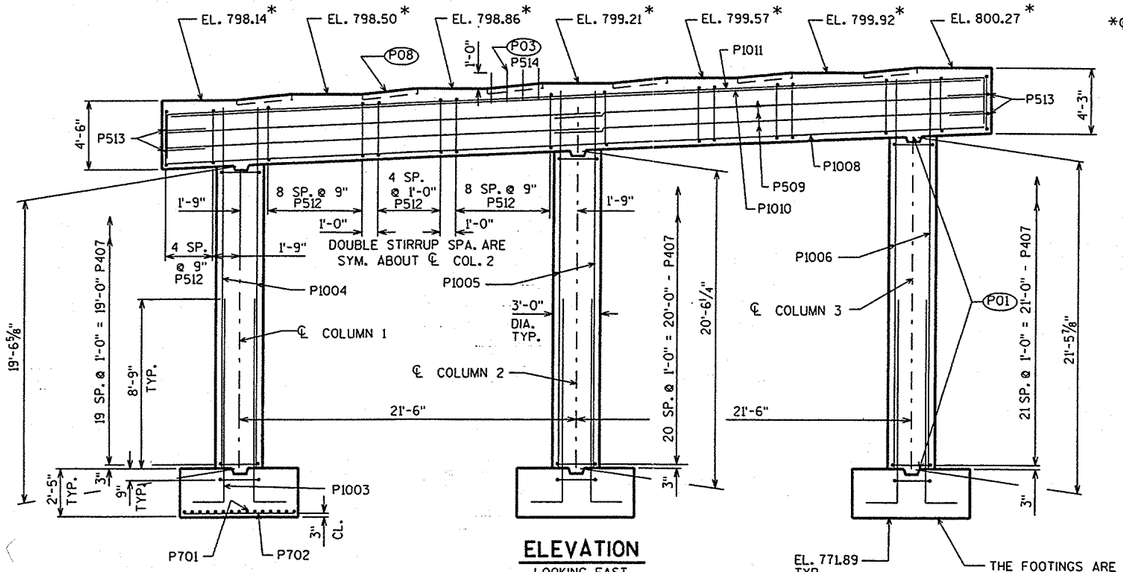
CONST. SPEC.	DRAWN BY	PLANS CK'D.
1996	BJ	J.C.K.

EAST ABUTMENT

SHEET 5

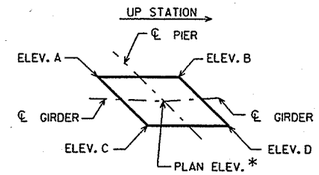
FILE= 217EABUT.DGN
SCALE = 4

STATE PROJECT NUMBER	SHEET NO.
6200-05-71	8.47



ELEVATION
LOOKING EAST

*℄ GIRDER @ ℄ PIER ELEV.



SLOPING BEAM SEAT ELEVATIONS

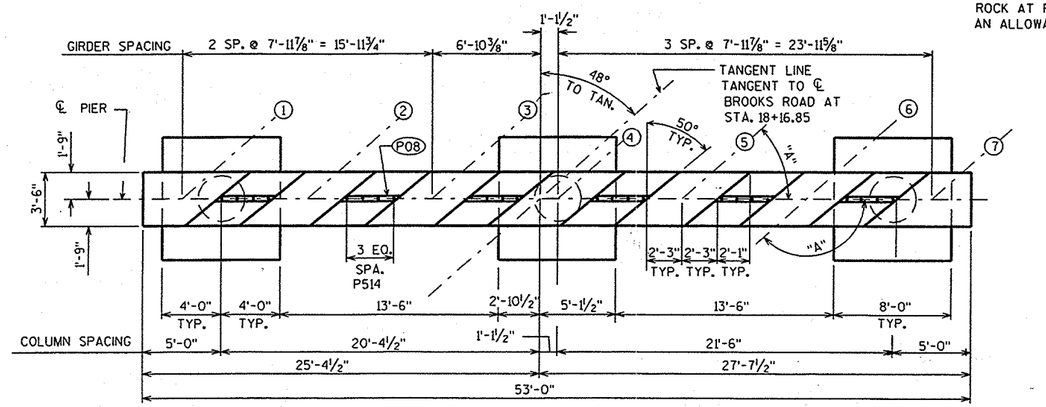
GIRDER	A	B	C	D
1	798.08	798.15	798.13	798.17
2	798.44	798.51	798.49	798.53
3	798.80	798.87	798.85	798.89
4	799.15	799.22	799.20	799.24
5	799.51	799.58	799.56	799.60
6	799.86	799.93	799.91	799.95
7	800.21	800.28	800.26	800.30

BILL OF BARS

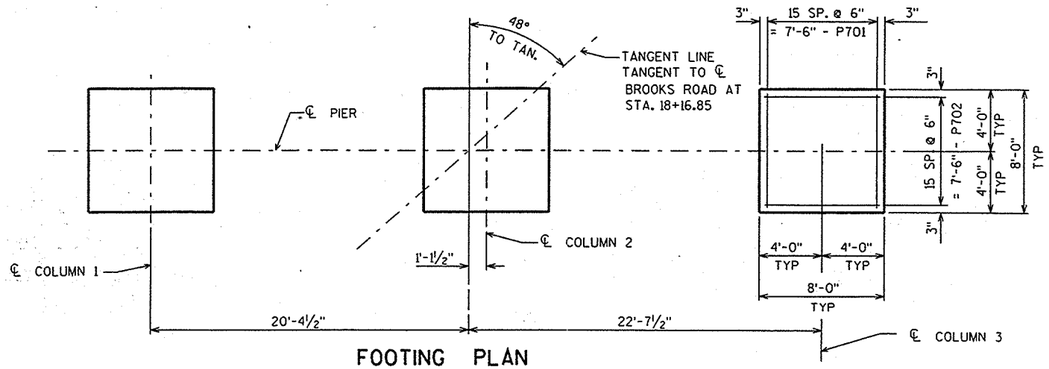
NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BUND.	LOCATION
P701		48	7'-8"			FOOTINGS
P702		48	7'-8"			FOOTINGS
P1003	X	72	13'-0"	X	X	FOOTINGS AND COLUMNS
P1004	X	24	23'-0"		X	COLUMN 1 - VERT.
P1005	X	24	24'-0"		X	COLUMN 2 - VERT.
P1006	X	24	25'-0"		X	COLUMN 3 - VERT.
P407	X	66	10'-0"	X		COLUMNS - HOOPS
P1008	X	8	52'-7"			CAP - HORIZ. - BOTTOM
P509	X	8	27'-9			CAP - HORIZ. SIDES
P1010	X	5	52'-2"		X	CAP - HORIZ. - TOP
P1011	X	7	58'-3"	X	X	CAP - HORIZ. - TOP
P512	X	112	12'-6"	X		CAP - STIRRUPS
P513	X	4	5'-8"	X		CAP - ENDS
P514	X	24	2'-0"			CAP - DOWELS

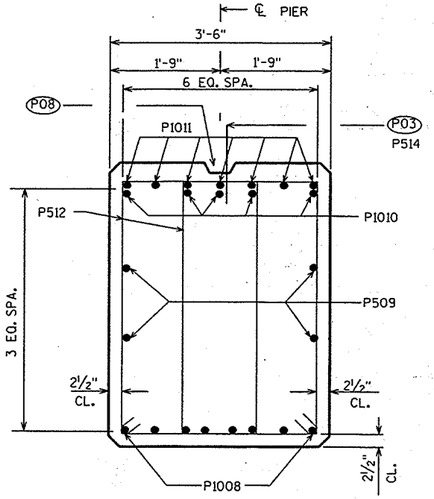
THE FOOTINGS ARE DESIGNED TO PLACE A MAXIMUM LOAD OF 10 TSF ON THE UNDERLYING ROCK. ROCK AT FOOTING ELEVATION IS ESTIMATED TO HAVE AN ALLOWABLE BEARING CAPACITY OF 10 TSF.



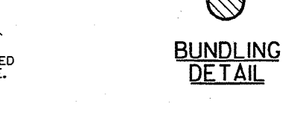
PLAN
"A" FOR GIRDER ANGLES SEE SHT. 9.



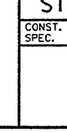
FOOTING PLAN



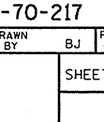
SECTION THRU CAP



P1011



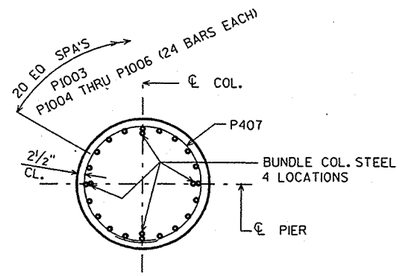
P1003



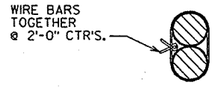
P407

P512

P513



SECT. THRU COL.



BUNDLING DETAIL

(P01) 1'-3" X 1'-3" X 2" CONSTRUCTION JOINT FORMED BY BEVELED KEYWAY.

(P03) BARS @ 1'-0" CTRS. BETWEEN BEAM SEATS. MAY BE PLACED AFTER CONCRETE IS POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE. (EMBED 1'-0" INTO CONC.)

(P08) KEYED CONSTRUCTION JOINT-FORMED BY BEVELED 2 x 6 BETWEEN BEAM SEATS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-217

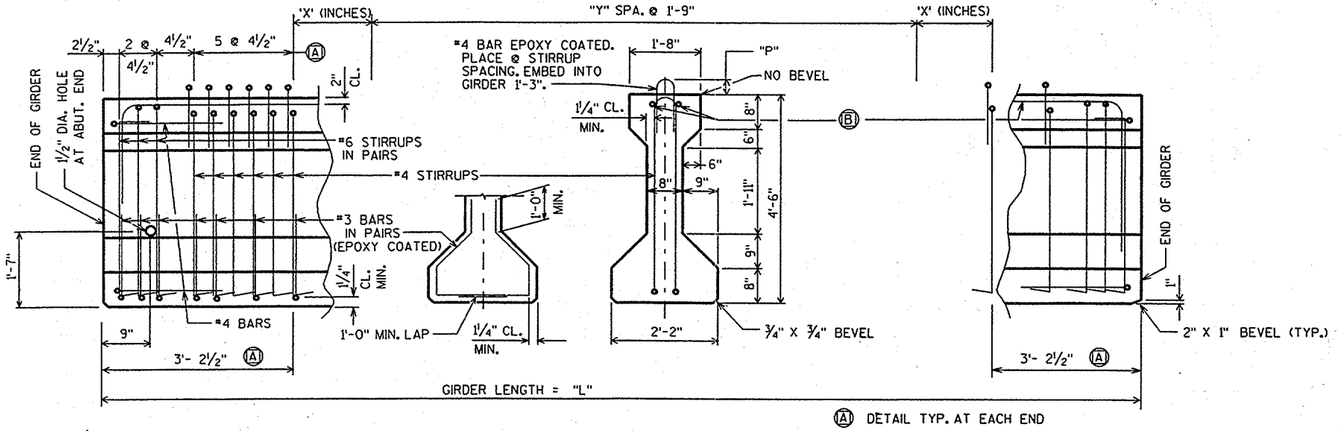
CONST. SPEC. 1996	DRAWN BY BJ	PLANS CK'D. J.C.K.

PIER

SHEET 6

FILE= 217PIER.DGN
SCALE = 4.5 "

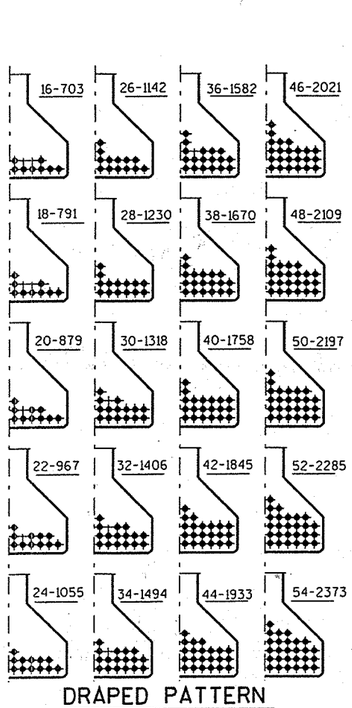
STATE PROJECT NUMBER	SHEET NO.
6200-05-71	8.48



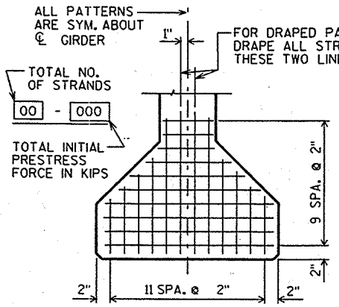
SIDE VIEW & TYP. SECTION IN SPAN

Ⓐ DETAIL TYP. AT EACH END

Ⓑ 2-BARS BEND DOWN 16 BAR DIA. AT ENDS USE NO. 4 BARS

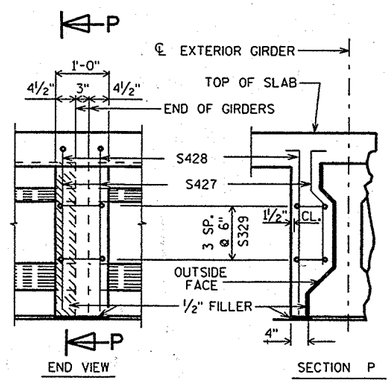


DRAPED PATTERN

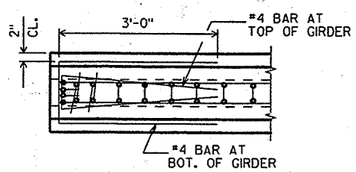


TYP. STRAND PATTERN

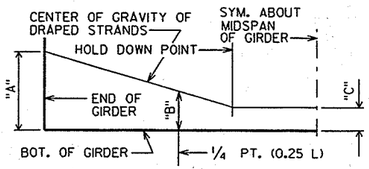
GIRDER DATA			
GIRDER	GIRDER LENGTH "L"	"X"	"Y"
SPAN 1 ,GIR. 1	133'-2⅝"	1'-3⅝"	71
SPAN 1 , GIR.2	132'-6"	11"	71
SPAN 1 , GIR.3	131'-9⅜"	1'-5⅜"	70
SPAN 1 , GIR.4	131'-0¾"	1'-0⅞"	70
SPAN 1 , GIR. 5	130'-4⅛"	1'-7/16"	69
SPAN 1 , GIR. 6	129'-7⅝"	1'-2 13/16"	69
SPAN 1 , GIR. 7	128'-11¼"	10⅝"	69
SPAN 2 ,GIR. 1	120'-0⅛"	1'-8 1/16"	63
SPAN 2 , GIR.2	119'-7¼"	1'-5⅝"	63
SPAN 2 , GIR.3	119'-2½"	1'-3¼"	63
SPAN 2 , GIR.4	118'-9⅝"	1'-0 13/16"	63
SPAN 2 , GIR. 5	118'-4⅞"	10 1/16"	63
SPAN 2 , GIR. 6	118'-0⅛"	1'-6 1/16"	62
SPAN 2 , GIR. 7	117'-7¼"	1'-4⅛"	62



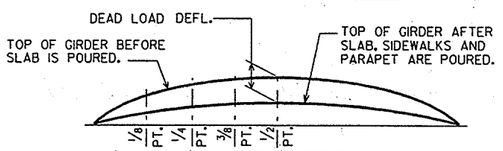
PILASTER DETAILS AT PIERS



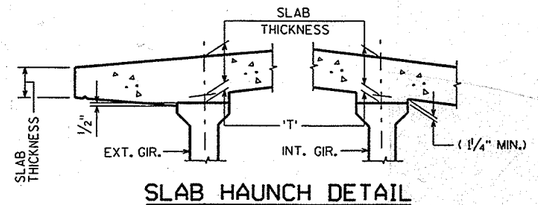
TOP VIEW OF GIRDER ENDS



DRAPED STRAND PROFILE



DEAD LOAD DEFLECTION DIAGRAM



SLAB HAUNCH DETAIL

IF 1¼" MINIMUM HAUNCH HEIGHT AT EDGE OF GIRDER CANNOT BE MAINTAINED, THE GRADE LINE MAY BE REVISED BY THE ENGINEER AT THE OPTION OF THE CONTRACTOR. THE PLAN SLAB THICKNESS SHALL BE HELD. NOTIFY BRIDGE OFFICE FOR HAUNCH HEIGHTS OVER 4".

TO DETERMINE 'T' ELEV. OF TOP OF GIR'S. AT ℄ OF SUBSTRUCTURE UNITS & AT ⅛ POINTS OF EACH SPAN SHALL BE TAKEN. THEN FOLLOW THIS PROCESS:

TOP OF DECK ELEV. AT FINAL GRADE
- TOP OF GIRDER ELEVATION
+ DEAD LOAD DEFLECTION
- SLAB THICKNESS
= HAUNCH HEIGHT 'T'

GIRDER NOTES

TOP OF GIRDER TO BE ROUGH FLOATED AND BROOMED TRANSVERSELY, EXCEPT THE OUTSIDE 2" OF GIRDER, WHICH SHALL BE TROWEL FINISHED.

THE GIRDERS SHALL BE PROVIDED WITH A SUITABLE LIFTING DEVICE FOR HANDLING AND ERECTING THE GIRDERS.

PRESTRESSING STRANDS SHALL BE 0.6"Φ - 7 WIRE LOW-RELAXATION STRANDS WITH AN ULTIMATE STRENGTH OF 270.000 psi AND SHALL BE FLUSH WITH THE ENDS OF THE GIRDER.

BEND EACH END OF #4 STIRRUPS 4½" AND #6 STIRRUPS 6½".

FOR DIAPHRAGM INSERT & CONNECTION DETAILS SEE "STEEL DIAPHRAGM" SHEET.

ALL GIRDERS SHALL BE CAST FULL LENGTH AS SHOWN.

SPACING SHOWN FOR #4 STIRRUPS IS FOR GRADE 60 REINFORCEMENT. IF THE FABRICATOR WANTS TO BUILD A BAR STEEL CAGE BY WELDING LONGITUDINAL REINFORCEMENT TO THE #4 STIRRUPS, 2 OPTIONS ARE AVAILABLE:

1. USE ASTM A706, GRADE 60 REINFORCEMENT AND THE STIRRUP SPACING AS SHOWN ON THE PLANS.
2. USE ASTM A615, GRADE 40 REINFORCEMENT AND A MODIFIED STIRRUP SPACING SUBMITTED TO AND APPROVED BY THE STRUCTURES DEVELOPMENT SECTION.

AN ALTERNATE EQUIVALENT OF WELDED WIRE FABRIC (WWF) MAY BE SUBSTITUTED FOR THE STIRRUP REINFORCEMENT SHOWN, UPON APPROVAL OF THE STRUCTURES DEVELOPMENT SECTION

WELDED WIRE FABRIC SHALL CONFORM TO THE REQUIREMENTS OF ASTM A497.

ENDS OF STRANDS SHALL BE PAINTED WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (THIS APPLIES ONLY TO THOSE ENDS OF GIRDERS THAT ARE FINALLY EXPOSED.)

* MINIMUM CYLINDER STRENGTH OF CONCRETE @ TIME OF TRANSFER OF PRESTRESS FORCE.

GIRDER DATA																
SPAN	GIRDER LENGTH "L"	DEAD LOAD DEFL. (IN.)				CONC. STRGTH. f'c (P.S.I.)	"P"	DRAPED PATTERN						UNDRAPED PATTERN	
		⅛	¼	⅜	½			DIA. OF STRAND	TOTAL NO. OF STRANDS	f'ci (P.S.I.) *	(IN.) "A"	"B" MIN.	"B" MAX.	"C"	TOTAL NO. OF STRANDS	f'ci (P.S.I.) *
1	SEE TABLE	1⅛	1⅞	2⅜	2½	8000	6"	0.6"	38	5400	48	16.5	19.5	6	——	——
2	SEE TABLE	¾	1¼	1½	1⅝	8000	6"	0.6"	30	4800	49	16	19	5	——	——

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CONST. SPEC. 1996	DRAWN BY BJ	PLANS CK'D. J.C.K.

54" PRESTRESSED GIRDER DETAILS

SHEET 7

FILE= G54.DGN
SCALE = 3-00

LV = 1 2 3 4 5 6 7 8 9