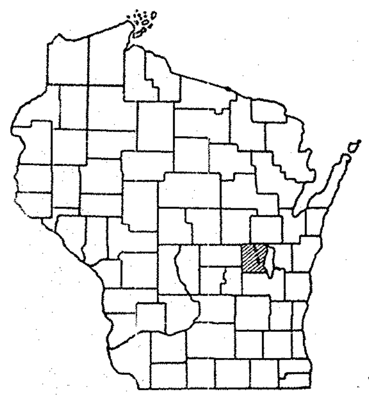
OLD STH-110 → NEW CTH-S

COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT STATE	CLASS AND AGREEMENT FEDERAL	FEDERAL DIVISION OFFICE	SHEET NUMBER	TOTAL SHEETS
70.1	37.1	23.5		WIS. 4	1	45

INDEX OF SHEETS



STATE OF WISCONSIN

STATE HIGHWAY COMMISSION OF WISCONSIN

PLAN AND PROFILE OF PROPOSED

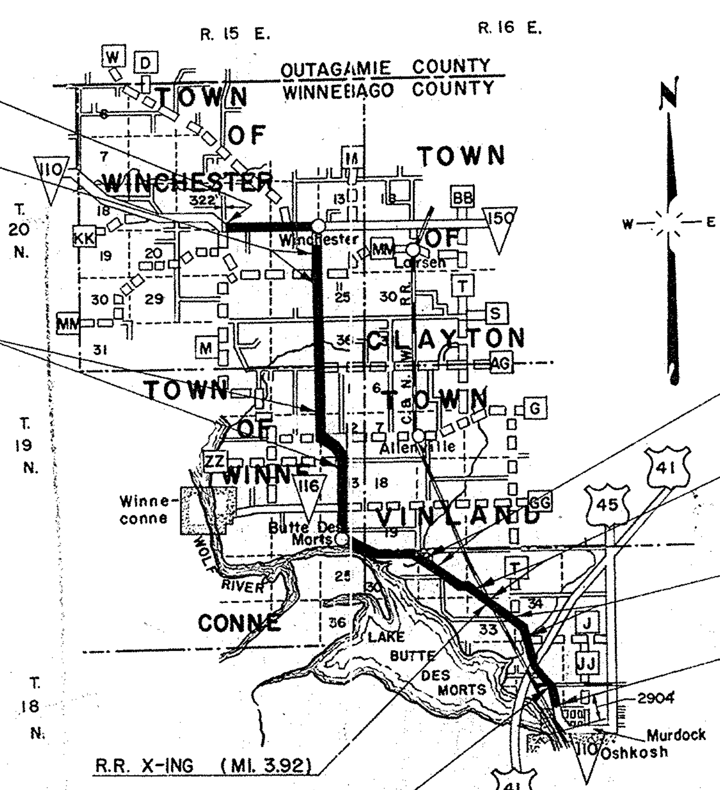
OSHKOSH-FREMONT ROAD

(OSHKOSH - C.T.H. "M")

WINNEBAGO ~~S.T.H. 110~~ CTH S COUNTY

PROJECT T 037-1(5)

SCALES { PLAN 1 IN. = 100 FT. PROFILE HOR. 1 IN. = 100 FT. VERT. 1 IN. = 10 FT. CROSS SECTIONS HOR. 1 IN. = 5 FT. VERT. 1 IN. = 5 FT.



LAYOUT

SCALE MILES 0 1 2

TOTAL NET LENGTH OF CENTERLINE = 15.260 MI.

CONVENTIONAL SIGNS

STATE LINE
COUNTY LINE
TOWNSHIP OR RANGE LINE
SECTION LINE
NEW RIGHT OF WAY LINE
PRESENT RIGHT OF WAY LINE
WIRE FENCE { WOVEN / BARBED
LOT LINE
CORPORATE OR CITY LIMITS
PROPERTY LINE — P.L. + 32.6
TRAVELED WAY OR P.E.
RAILROADS
BASE OR SURVEY LINE — 30
CULVERTS IN PLACE
CULVERTS REQUIRED
DROP INLET
POWER POLE
TELEPHONE OR TELEGRAPH POLE
RIGHT OF WAY MARKERS
REFERENCE STAKE FOR HUBS ONLY — 61.7 / 23.9
MARSH
HEDGE
TREES
GROUND ELEVATION — DATUM LINE 73.9
GRADE ELEVATION — DATUM LINE 75.16

STATE HIGHWAY
COMMISSION OF WISCONSIN
MADISON, WISCONSIN
10316, 10360, 10361

SURVEYOR N.L.C. R.D.H. NOTE BOOK 10362, 10363
DISTRICT COMPUTER R.C.H. M. O. CHECKER
DISTRICT CHECKER C.P.K. CORRECT

CORRECT:
DATE 8/8/55 [signature] DISTRICT ENGINEER

RECOMMENDED FOR APPROVAL:
DATE 8/11/55 [signature] ENGINEER OF DESIGN

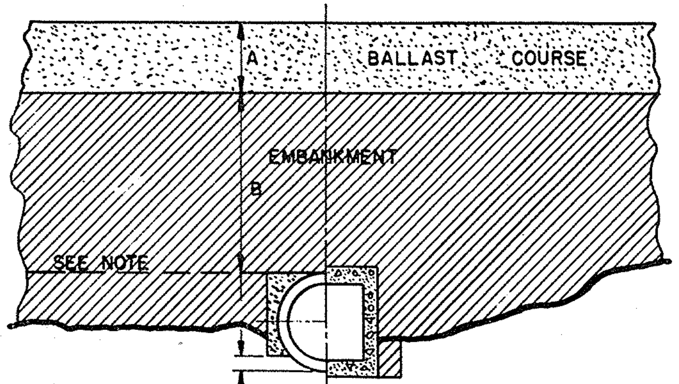
APPROVED:
DATE 8/12/55 E.L. Roettiger STATE HIGHWAY ENGINEER

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS

APPROVED: DATE

DISTRICT ENGINEER

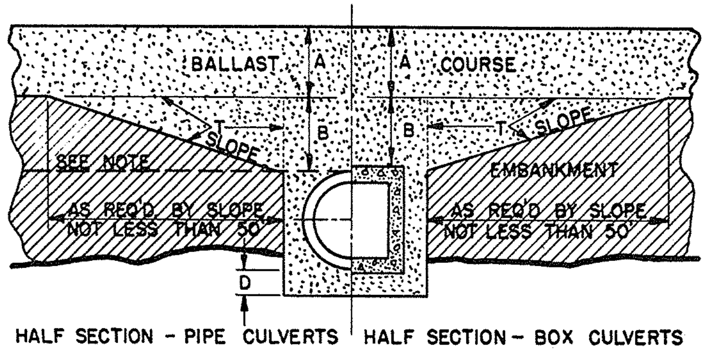
T037-1(5)



E = NOT LESS THAN 1/10 OUTSIDE DIAMETER.

HALF SECTION - PIPE CULVERTS   HALF SECTION - BOX CULVERTS

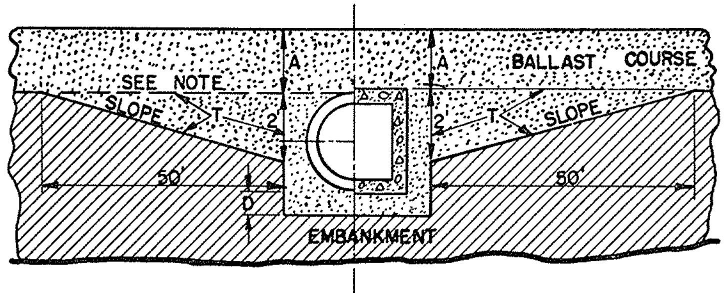
TREATMENT WHEN A + B IS OVER 5 FT.



HALF SECTION - PIPE CULVERTS   HALF SECTION - BOX CULVERTS

TREATMENT WHEN A + B IS FROM 0 TO 5 FT.

SLOPE : NOT STEEPER THAN 25 : 1



HALF SECTION - PIPE CULVERTS   HALF SECTION - BOX CULVERTS

TREATMENT WHEN B = 0

SLOPE : NOT STEEPER THAN 25 : 1

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN HERE SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETAILS ARE NOT APPLICABLE FOR PRIVATE ENTRANCE CULVERTS.

DETAILS APPLY TO BOTH PIPE AND CONCRETE BOX CULVERTS UNLESS OTHER WISE SHOWN ON OTHER PARTS OF THE PLAN OR IN THE CONTRACT.

EXCAVATION FOR AREAS MARKED "T" WILL BE PAID FOR AT THE CONTRACT UNIT PRICES FOR PERTINENT ITEMS OF "ROADWAY AND DRAINAGE EXCAVATION", WHEN SUCH EXCAVATION CONSISTS OF MATERIAL NOT PLACED UNDER THE CURRENT CONTRACT. BACKFILL IN THESE AREAS TO BE PAID FOR AT THE PERTINENT UNIT PRICE BID FOR "SAND GRAVEL FILL" OR FOR MATERIAL USED.

THE ELEVATION OF THE EXISTING GROUND OR PREVIOUSLY PLACED AND COMPACTED EMBANKMENT SHALL BE AT LEAST IN THE PLANE OF THE TOP OF THE PROPOSED CULVERT PRIOR TO EXCAVATING THE TRENCH.

IN THE CASE OF CONCRETE BOX CULVERTS, THE EXCAVATION BELOW THE BOTTOM AND NECESSARY TO PREPARE THE TRENCH WILL BE MEASURED AND PAID FOR AT THE CONTRACT UNIT PRICE BID PER CUBIC YARD FOR "EXCAVATION FOR STRUCTURES, CULVERTS."

IN THE CASE OF PIPE CULVERTS, ALL EXCAVATION FOR FORMING THE BED SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER LINEAR FOOT OF THE SEVERAL TYPES AND SIZES OF CULVERT PIPE.

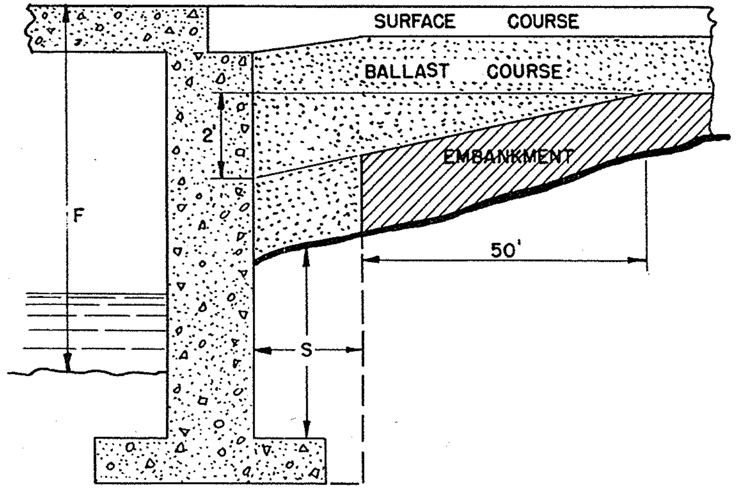
IN EITHER CASE, BACK FILL WILL BE PAID FOR AT THE PERTINENT CONTRACT PRICE FOR THE MATERIAL USED.

A - DEPTH OF BALLAST COURSE.

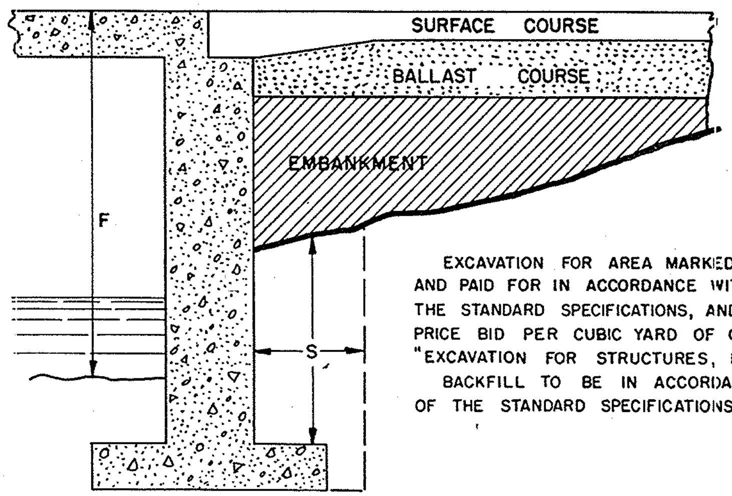
B - DISTANCE FROM TOP OF CULVERT TO BOTTOM OF BALLAST.

D - VARIABLE. DEPTH OF BALLAST BELOW CULVERT. MINIMUM-12".

F - DISTANCE FROM FINISHED SURFACE TO STREAM BED.



TREATMENT WHEN F IS LESS THAN 10 FT.



TREATMENT WHEN F IS 10 FT. OR MORE.

EXCAVATION FOR AREA MARKED "S" SHALL BE MEASURED AND PAID FOR IN ACCORDANCE WITH SECTION 2107.04 OF THE STANDARD SPECIFICATIONS, AND AT THE CONTRACT UNIT PRICE BID PER CUBIC YARD OF ORIGINAL VOLUME FOR "EXCAVATION FOR STRUCTURES, BRIDGES."

BACKFILL TO BE IN ACCORDANCE WITH SECTION 2107.03 OF THE STANDARD SPECIFICATIONS.

EXCAVATION AND BACKFILL FOR PIPE CULVERTS - BOX CULVERTS ABUTMENTS

STATE HIGHWAY COMMISSION OF WISCONSIN

RECOMMENDED FOR APPROVAL:

Frank Evans
DESIGN ENGINEER

[signature]
CONSTRUCTION ENGINEER

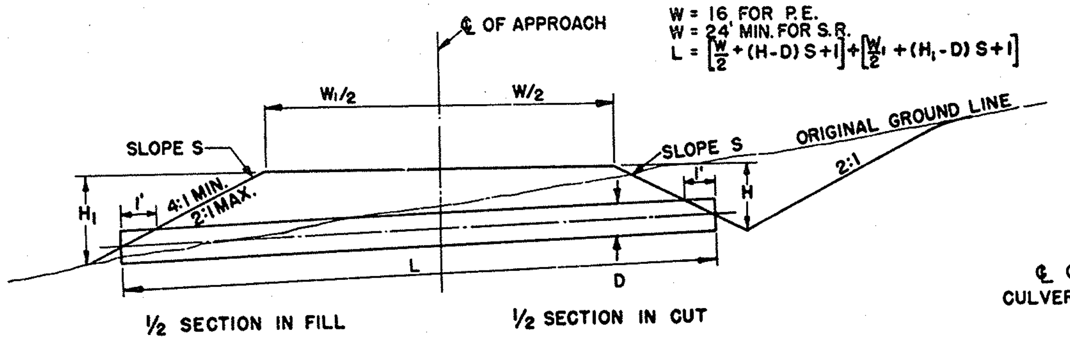
APPROVED OCT. 1, 1945

E. L. Roettiger
STATE HIGHWAY ENGINEER

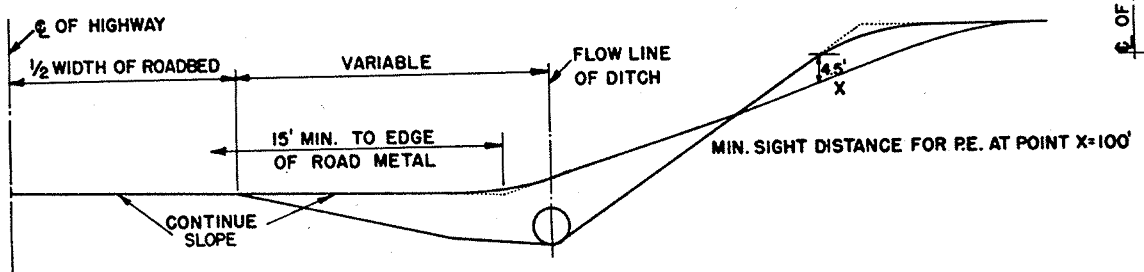
DRAWN N.F.C.
CHECKED F.C.

1-2.1.1

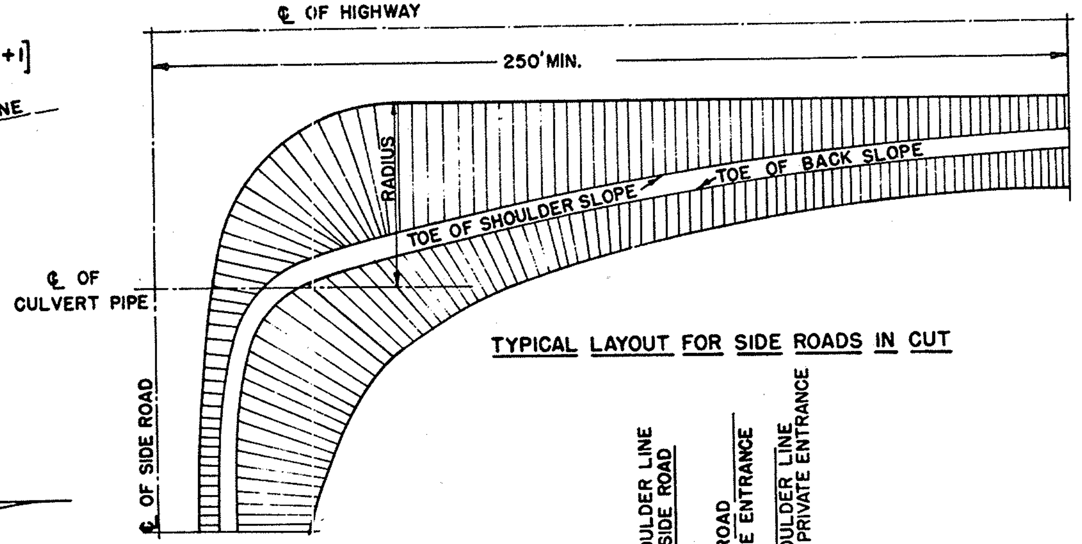
8



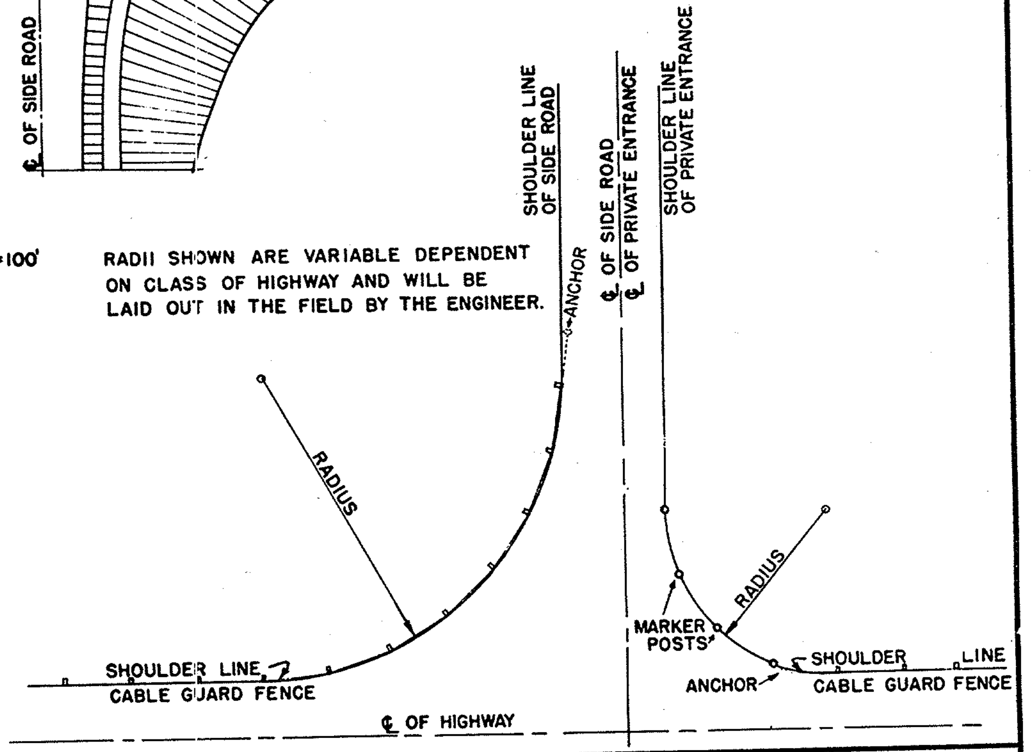
TYPICAL CROSS SECTION



PROFILE



TYPICAL LAYOUT FOR SIDE ROADS IN CUT



TYPICAL LAYOUT FOR PRIVATE ENTRANCES AND SIDE ROADS IN HIGH FILLS

DETAILS OF PRIVATE ENTRANCE AND SIDE ROAD APPROACHES

STATE HIGHWAY COMMISSION OF WISC.

RECOMMENDED FOR APPROVAL:

Frank Crane
DESIGN ENGINEER

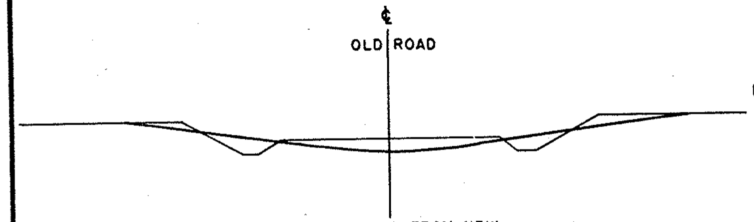
DATE

[signature]
CONSTRUCTION ENGINEER

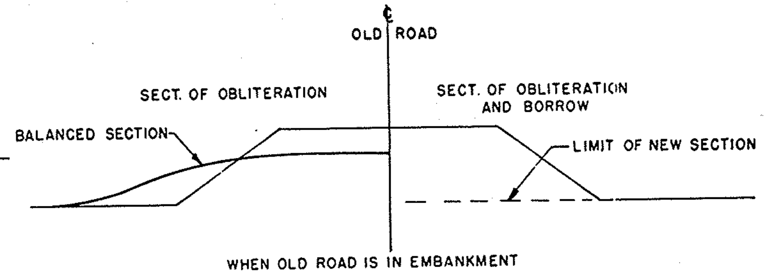
APPROVED:- OCT. 1, 1945

[signature]
DRAWN — CHECKED — DATE — STATE HIGHWAY ENGINEER

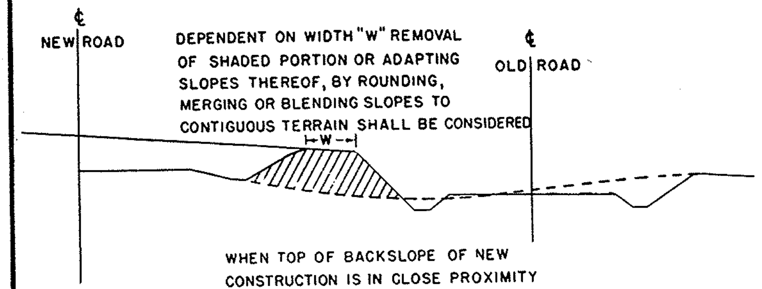
1-3.1.1



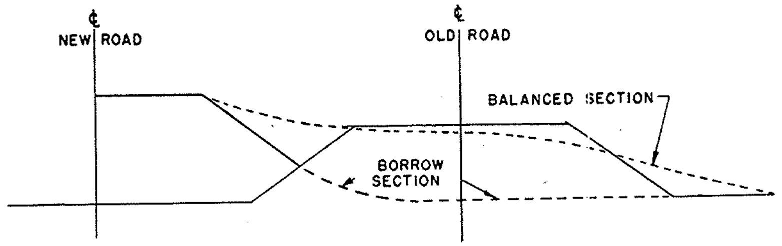
WHEN REMOVED FROM NEW CONSTRUCTION AND WITHIN SIGHT OF NEW PROJECT.



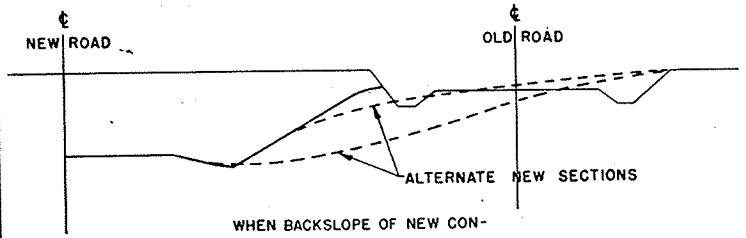
WHEN OLD ROAD IS IN EMBANKMENT AND REMOVED FROM NEW CONSTRUCTION BUT WITHIN SIGHT OF NEW PROJECT.



WHEN TOP OF BACKSLOPE OF NEW CONSTRUCTION IS IN CLOSE PROXIMITY OF TOP OF BACKSLOPE OF OLD ROAD.



WHEN BOTH NEW AND OLD ROAD ARE IN EMBANKMENT AND CONSTRUCTION IS CLOSELY ADJACENT.



WHEN BACKSLOPE OF NEW CONSTRUCTION EXTENDS INTO CONSTRUCTION LIMITS OF OLD ROAD.

CONSTRUCTION NOTES

DETAILS OF CONSTRUCTION NOT SHOWN SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

OBLITERATING OLD ROAD

STATE HIGHWAY COMMISSION OF WISC.

RECOMMENDED FOR APPROVAL

Frank Cirau
DESIGN ENGINEER

DATE

[signature]
CONSTRUCTION ENGINEER

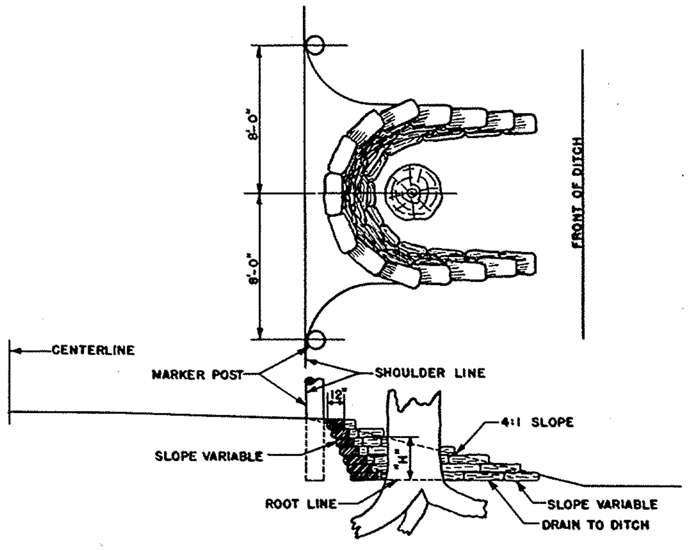
APPROVED:

DRAWN C.A.L.
CHECKED n.f.c.

OCT. 1, 1945
DATE

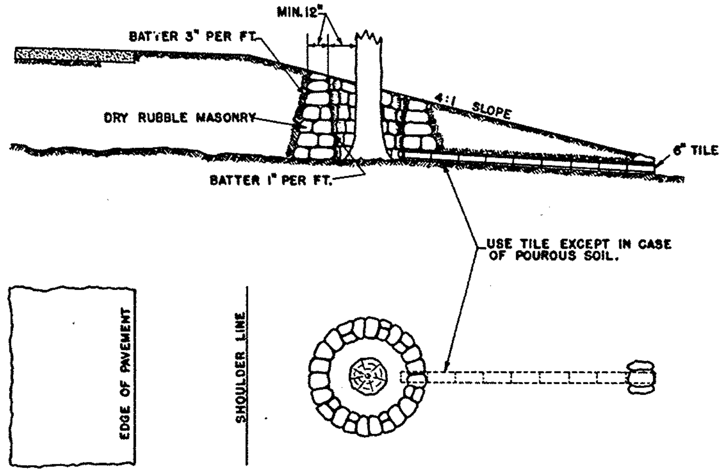
E. L. Roettiger
STATE HIGHWAY ENGINEER

1-4.1.1

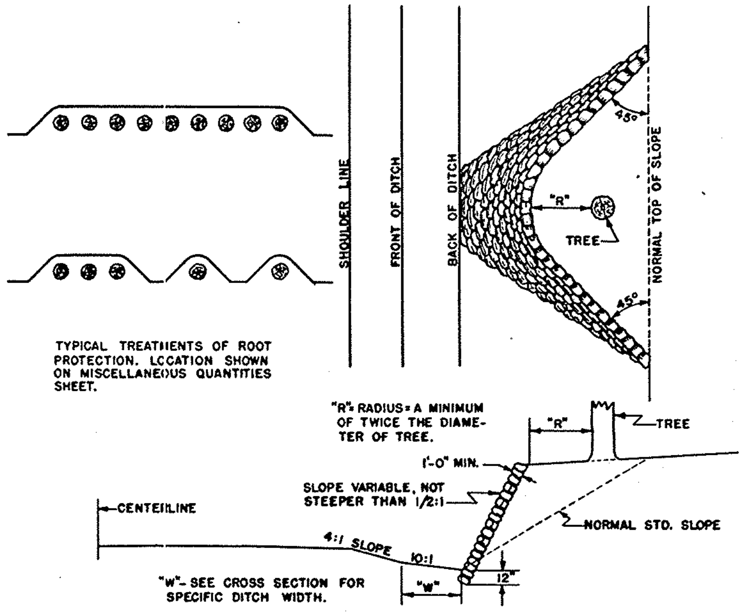


USE THIS SECTION WHEN "H" IS UNDER 3 FEET

NOT REQUIRED FOR 10" TO 15" OF GRAVEL OR SAND FILL

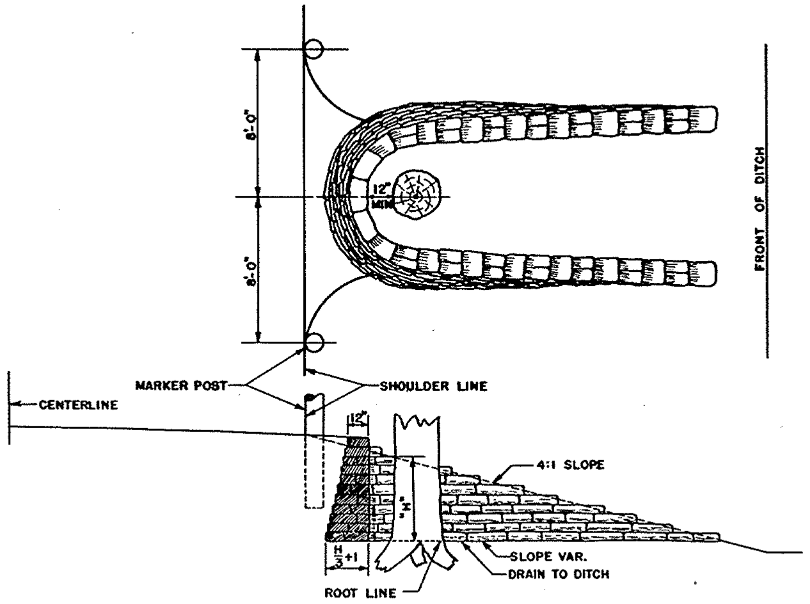


FULL TREE WELL



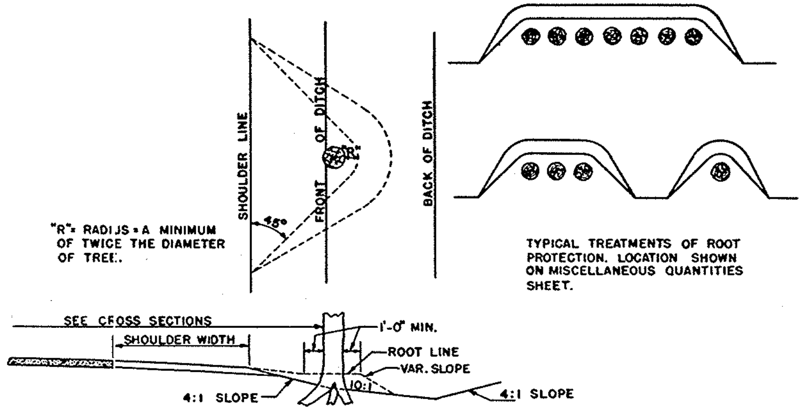
DETAILS FOR ROOT PROTECTION

SECTIONS SHOWING METHODS TO BE USED FOR PROTECTING AND / OR PRESERVING TREES.



USE THIS SECTION WHEN "H"= 3' OR MORE

TREE WELLS IN FILL SECTION



DETAILS OF TREE ISLAND

DETAILS FOR TREE WELLS

SECTIONS SHOWING METHODS TO BE USED FOR PROTECTING AND / OR PRESERVING TREES.

GENERAL NOTES

WALLS TO BE BUILT TO APPROXIMATE SHAPE AND DIMENSIONS SHOWN. STONE TO CONFORM TO SPECIFICATIONS FOR DRY RUBBLE MASONRY AND TO BE BID AS SUCH.

THESE DESIGNS ARE NOT INTENDED AS A CRITERION OF THE DISTANCE FROM THE CENTERLINE OR SHOULDER LINE TO WHICH TREES SHALL OR SHALL NOT BE REMOVED, BUT MERELY AS A DETAIL OF THE CONSTRUCTION TO BE USED WHEN IT IS OTHERWISE FOUND NECESSARY OR DESIRABLE TO LEAVE TREES IN THE LOCATIONS INDICATED IN THE DETAILS PORTRAYED.

TREE PRESERVATION DETAILS

STATE HIGHWAY COMMISSION OF WISCONSIN

RECOMMENDED FOR APPROVAL:

DESIGN ENGINEER — CONSTRUCTION ENGINEER

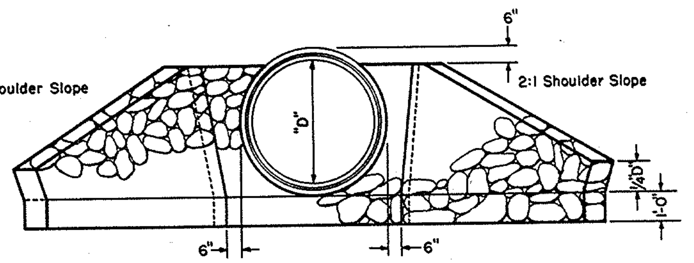
APPROVED:

OCT. 1, 1945

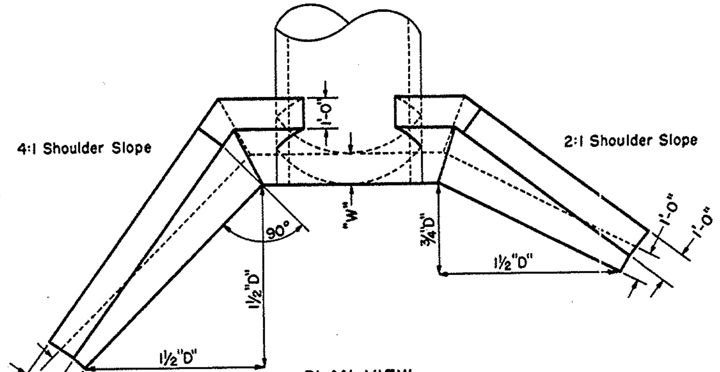
DATE — STATE HIGHWAY ENGINEER

DRAWN - R.D.S.
CH'KD. - N.F.C.

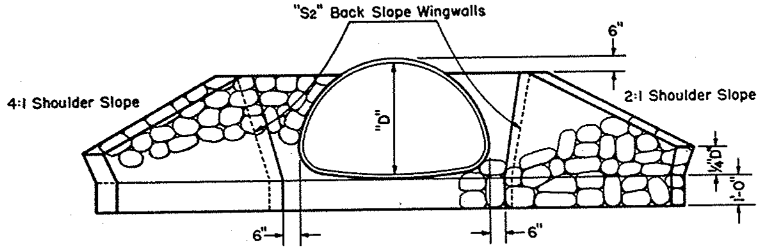
6-1.1.1



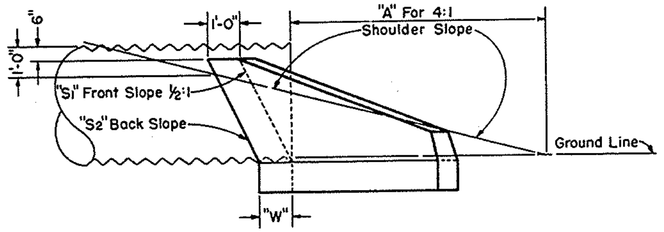
END ELEVATION
SHOWING CONCRETE CIRCULAR PIPE INCL. CATTLE PASS



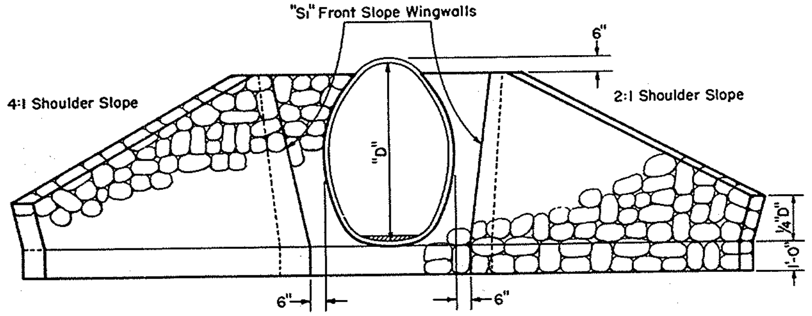
PLAN VIEW
FOR ALL TYPES OF PIPE STRUCTURES



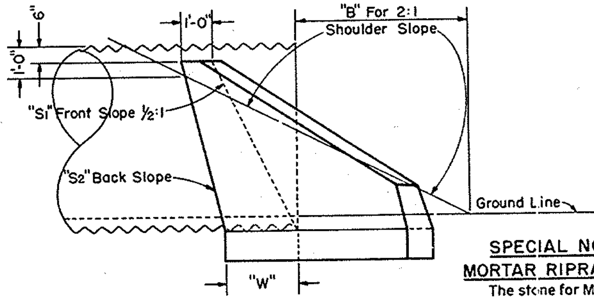
END ELEVATION
SHOWING CORRUGATED METAL PIPE ARCH



SIDE ELEVATION



END ELEVATION
SHOWING CORRUGATED METAL PIPE CATTLE PASS



SIDE ELEVATION

CIRCULAR PIPE		Cu. Yds Mortar Rubble Masonry, Riprap or Mortar Riprap per Endwall		"A" (Feet)	"B" (Feet)	Front Slope "S1"	Back Slope "S2"	Width of Footing at "W" (Feet)
Size of Pipe	Type of Pipe	4:1 Slope	2:1 Slope	4:1 Slope	2:1 Slope			
24"	R.C.C.P.	1.2	1.0	3.4	0.8	½:1	½:1	1.0
	C.M.C.P.	1.0	0.8	2.8	0.6	"	"	"
30"	R.C.C.P.	1.5	1.3	5.1	1.5	"	"	"
	C.M.C.P.	1.3	1.0	4.6	1.3	"	"	"
36"	R.C.C.P.	2.0	1.6	6.9	2.3	"	"	"
	C.M.C.P.	1.7	1.3	6.3	2.1	"	"	"
42"	R.C.C.P.	2.6	2.1	8.9	3.1	"	"	"
	C.M.C.P.	2.2	1.7	8.1	2.9	"	"	"
48"	R.C.C.P.	3.2	2.6	10.7	3.9	"	"	"
	C.M.C.P.	2.8	2.2	9.8	3.6	"	"	"
60"	R.C.C.P.	8.4	6.9	14.5	5.5	"	¼:1	2.38
	C.M.C.P.	6.9	5.9	13.3	5.2	"	"	2.20
72"	R.C.C.P.	12.4	9.9	18.3	7.1	"	"	2.68
	C.M.C.P.	10.0	8.0	16.8	6.2	"	"	2.40

PIPE ARCH

29"x18"	C.M.C.P.	1.0	0.8	1.1	0.3	½:1	½:1	1.0
36"x22"	"	1.3	1.0	2.2	0.5	"	"	"
43"x27"	"	1.7	1.2	3.7	1.0	"	"	"
50"x31"	"	1.9	1.4	4.9	1.5	"	"	"
58"x36"	"	2.1	1.7	6.3	2.1	"	"	"
65"x40"	"	2.5	2.0	7.5	2.6	"	"	"
72"x44"	"	2.9	2.4	8.6	3.1	"	"	"

CATTLE PASS

48"x70"	C.M.C.P.	9.3	7.3	15.2	5.8	½:1	¼:1	2.37
72"	R.C.C.P.	12.4	9.9	18.3	7.1	"	"	2.68

GENERAL NOTES

Details of construction not shown on this drawing shall conform to the pertinent requirements of the Standard Specifications, Sections 2409, 2512 and 4106 and the applicable Special Provisions.

CONCRETE MASONRY SUBSTITUTE

All items shown hereon may be constructed of Class "A" Concrete in which case all sizes and dimensions shown shall obtain. Concrete masonry substitute work shall conform to the pertinent requirements of the Standard Specifications, Section 2405.

SPECIAL NOTES

MORTAR RIPRAP

The stone for Mortar Riprap shall be furnished and placed in accordance with the Standard Specifications, Section 2512 for the item of Riprap.

The mortar work and materials for Mortar Riprap shall be performed and furnished in accordance with the Standard Specifications, Section 2409 for Mortar Rubble Masonry.

Mortar Riprap shall be measured and paid for in accordance with the Standard Specifications, Sections 2409.04 & 2409.05.

BID ITEMS

No. 2409-2 Mortar Rubble Masonry................Cu. Yds.
No. 2512-1 Riprap....................................Cu. Yds.
No. 2512-4 Mortar Riprap............................Cu. Yds.

MORTAR RUBBLE MASONRY, RIPRAP OR MORTAR RIPRAP FOR CULVERT & CATTLE PASS ENDWALLS

STATE HIGHWAY COMMISSION OF WISCONSIN

RECOMMENDED FOR APPROVAL:

12-21-53
DATE

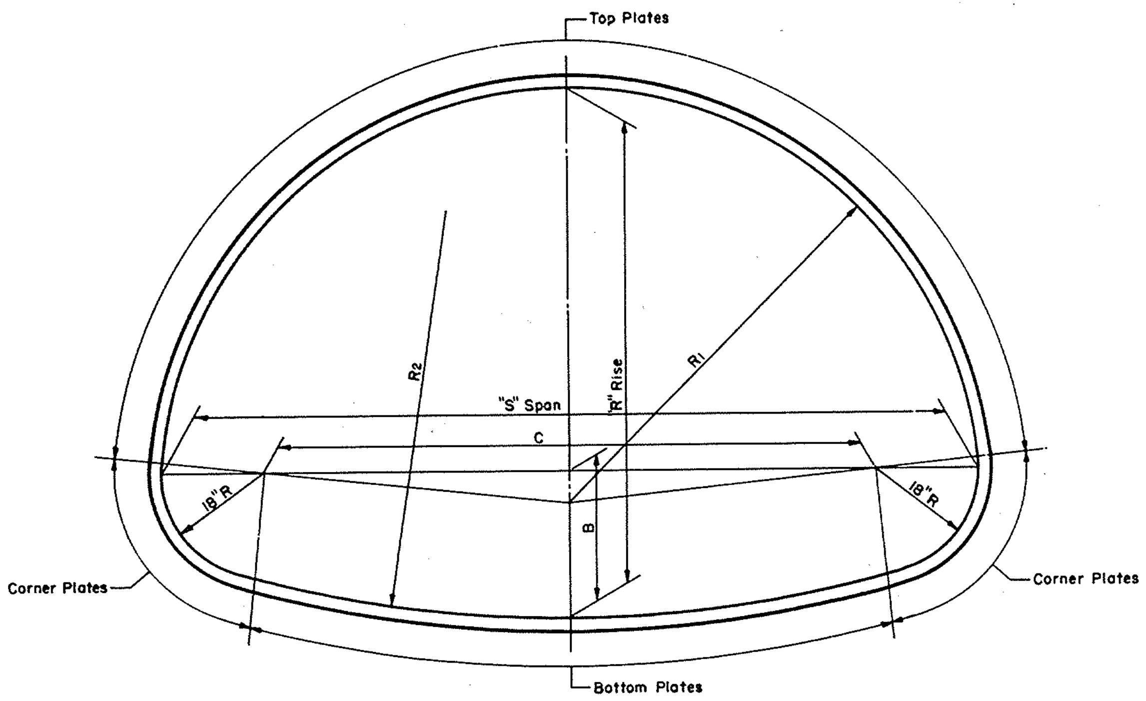
J. S. Pelt
ENGINEER OF DESIGN

APPROVED:

12/22/53
DATE

E. L. Roettiger
STATE HIGHWAY ENGINEER

PLATE NO. 6-2.4.1

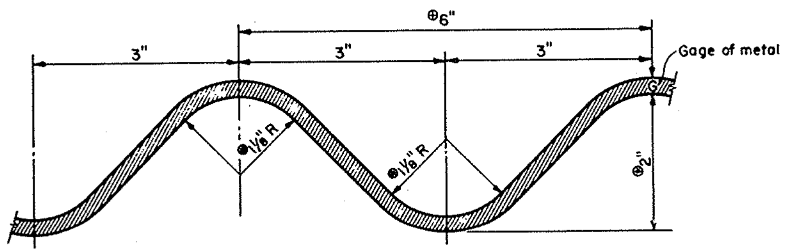


SECTIONAL PLATE PIPE ARCH

TABLE OF PROPERTIES
SECTIONAL PLATE PIPE ARCH

SPAN Nominal Size	Dimensions taken from inside crests of corrugations							Table of Metal Gages - Minimum Acceptable; H-20 LOADING Depth of Embankment in Feet														
	Fabricators Size Min. Acceptable "S" Span - "R" Rise	R/S Ratio	Area Sq. Ft.	B In.	C In.	R1 In.	R2 In.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
6 Feet	6'-1" x 4'-7"	.75	22	21.0	37.0	36.7	76.4	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
7 "	7'-0" x 5'-1"	.73	28	21.4	48.0	42.3	104.5	10	12	12	12	12	12	12	12	12	12	12	12	12	10	10
8 "	7'-11" x 5'-7"	.70	35	21.7	59.0	47.7	138.4	10	10	10	12	12	12	12	12	12	12	12	10	10	10	10
9 "	8'-10" x 6'-1"	.69	43	21.8	70.0	53.0	179.2	10	10	10	10	10	10	10	10	10	10	10	10	10	8	8
10 "	9'-9" x 6'-7"	.67	52	21.9	81.0	58.3	228.0	8	8	10	10	10	10	10	10	10	10	10	8	8	8	7
11 "	10'-11" x 7'-1"	.65	61	25.1	95.0	65.8	180.8	8	8	8	10	10	10	10	10	10	8	8	8	7	7	5
12 "	11'-10" x 7'-7"	.64	71	25.2	106.0	71.1	217.0	7	8	8	8	8	8	8	8	8	8	8	7	5	5	3
13 "	12'-10" x 8'-4"	.65	85	24.0	118.0	77.2	315.2	5	7	8	8	8	8	8	8	8	7	7	5	5	3	1
14 "	13'-11" x 8'-7"	.62	93	28.9	131.0	84.4	220.8	5	5	7	7	8	8	8	7	7	5	5	3	3	1	1
15 "	14'-10" x 9'-1"	.61	105	28.9	142.0	89.5	254.9	3	5	5	7	7	7	7	7	5	3	3	1	1	-	-
16 "	15'-10" x 9'-10"	.62	122	27.4	154.0	95.4	339.1	1	3	5	5	7	7	7	5	3	3	1	1	-	-	-
16.5 "	16'-7" x 10'-1"	.61	131	28.7	163.0	99.8	333.8	-	1	3	3	5	5	5	3	1	1	1	-	-	-	-

Note: For sizes of Sectional Plate Pipe Arch between those shown in the table, the gage shall be interpolated (based on table data) where possible; otherwise the gage of the next larger size shown in the table shall be used.



DETAIL OF METAL CORRUGATIONS

CORRUGATION DIMENSION TOLERANCES
⊕ - Tol. 1/4"
⊕ - Tol. ±1/8"
⊖ - Min. 1/16"

GENERAL NOTES

Details of construction not shown on this drawing shall conform to the pertinent requirements of the Standard Specifications, Sections 2412 and 4116 and the applicable Special Provisions.

For Flexible Type Pavement, the minimum height of cover over top of Sectional Plate Pipe Arches (finished construction) shall be "S"/10 but not less than 1.0'.

For Rigid Type Pavement, the minimum shall be "S"/14 but not less than 6" cushion below pavement.

Adequate cover protection shall be provided at all times during construction operations to preclude any damage to structure.

The maximum height of embankment over top of Sectional Plate Pipe Arches shall be 15 feet.

Strutting of Sectional Plate Pipe Arches will not be required during construction unless specifically called for on the plans or the applicable Special Provisions.

TOLERANCES

Pipe Arch size dimensions are subject to manufacturing tolerances and the ratio of rise (R) to span (S) shall not exceed a tolerance of 5% plus or minus.

Metal corrugation dimension tolerances shall not exceed pertinent dimensions shown elsewhere on this drawing.

NOMENCLATURE

The term "Sectional Plate Pipe Arch" as shown and used on this drawing shall be construed to be synonymous to the term "Structural Plate Pipe Arch" as shown and used in the A.A.S.H.O. current Standard Specifications for Highway Bridges.

BID ITEM
No. 2412-31 Sectional Plate Pipe Arch (Size)______Lin. Ft.

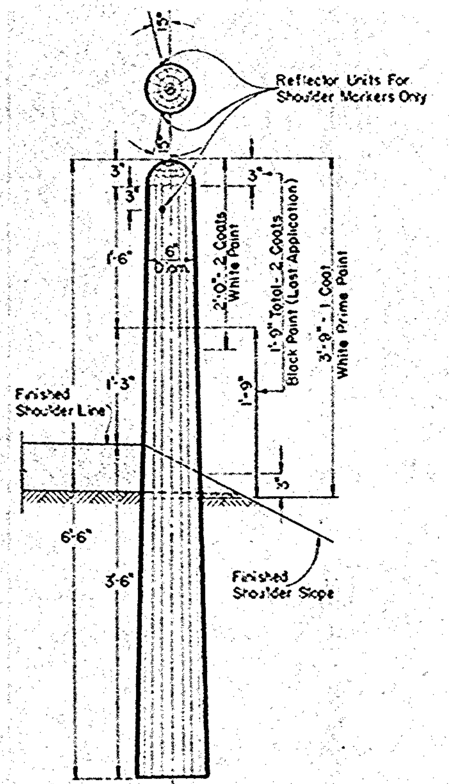
SECTIONAL PLATE PIPE ARCH

STATE HIGHWAY COMMISSION OF WISCONSIN

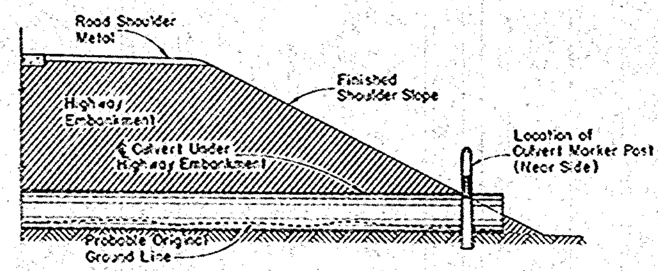
RECOMMENDED FOR APPROVAL:
4/25/55 J. S. Pelt
DATE ENGINEER OF DESIGN

APPROVED:
4/28/55 E. L. Roettiger
DATE STATE HIGHWAY ENGINEER

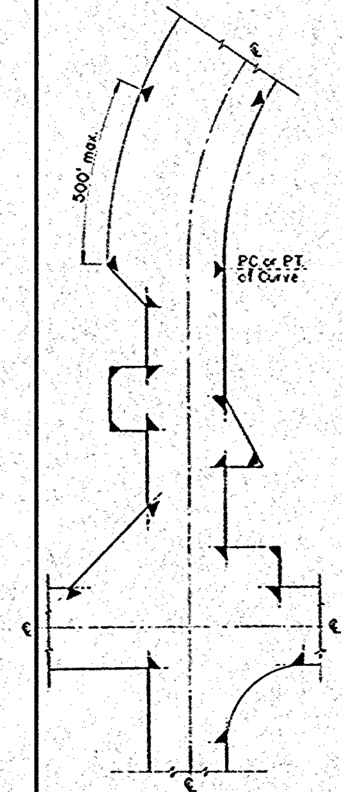
PLATE NO. 6-5.2.3



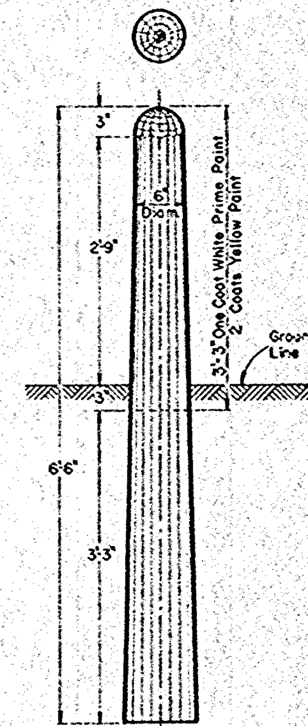
MARKER POST FOR
ROAD SHOULDERS AND CULVERTS



SECTION
SHOWING RELATIVE LOCATION OF
MARKER POST FOR CULVERTS

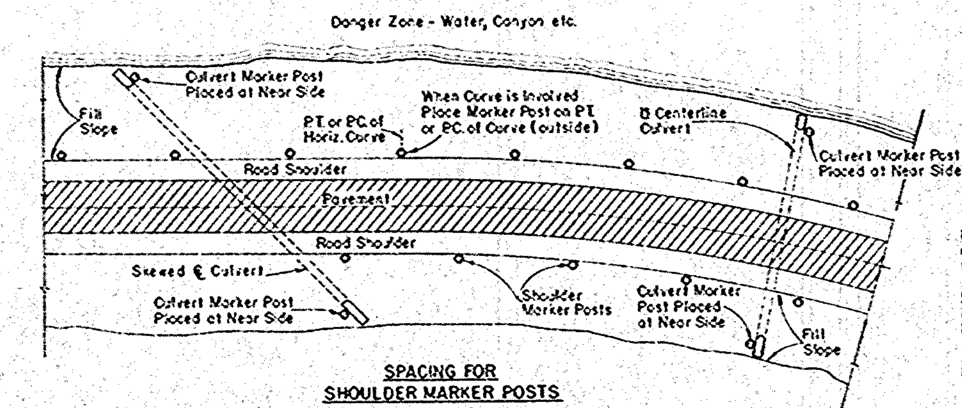


LOCATION DIAGRAM
SHOWING TYPICAL LOCATIONS OF
MARKER POSTS FOR RIGHT OF WAY



MARKER
POST
FOR
RIGHT OF WAY

MARKER POST FOR RIGHT OF WAY



SPACING FOR
SHOULDER MARKER POSTS
50' C-C for 100' to 500' Danger Zones
100' C-C for Over 500' Danger Zones
LOCATION DIAGRAM
SHOWING RELATIVE LOCATIONS OF SHOULDER MARKER POSTS
AND CULVERT MARKER POSTS

MARKER POSTS FOR ROAD SHOULDERS AND CULVERTS

GENERAL NOTES:

Details of Construction not shown on this drawing shall conform to the pertinent requirements of the Standard Specifications Sections 2523, 4124 and 4125 and the applicable Special Provisions.

All posts for Road Shoulder Markers, Culvert Markers and Right of Way Markers are identical except for Painting and Reflector Units. All Posts shall be round and untreated and shall be either Northern White Cedar, Southern Yellow Pine, Norway Pine, White Pine or Jack Pine.

MARKER POSTS FOR RIGHT OF WAY

Right of Way Marker Posts shall be erected in advance of Grading Operations. Posts may be shaped and painted prior to erection. Any damaged areas occurring to paint surface during erection or other subsequent operations must be repainted prior to acceptance.

Posts shall be placed at the outer limits of the Highway Right of Way, but entirely within the Right of Way, and shall be so placed that the outer edge of the posts shall be tangent to the Right of Way line or lines extended. The exact location of all Right of Way Posts shall be staked in the field by the Engineer.

Reflector Units for Right of Way Marker Posts will not be required.

REFLECTOR UNITS

Reflector Units shall have plastic crystal lens 7/8" in diameter. Unit assembly shall be a minimum of 7/8" in length. Reflector Units shall be furnished with flared expanding metal clips for wood mounting. Units shall be mounted in tightest fit possible and securely stayed in posts. Reflector Units shall be installed in Road Shoulder Marker Posts only.

BID ITEMS

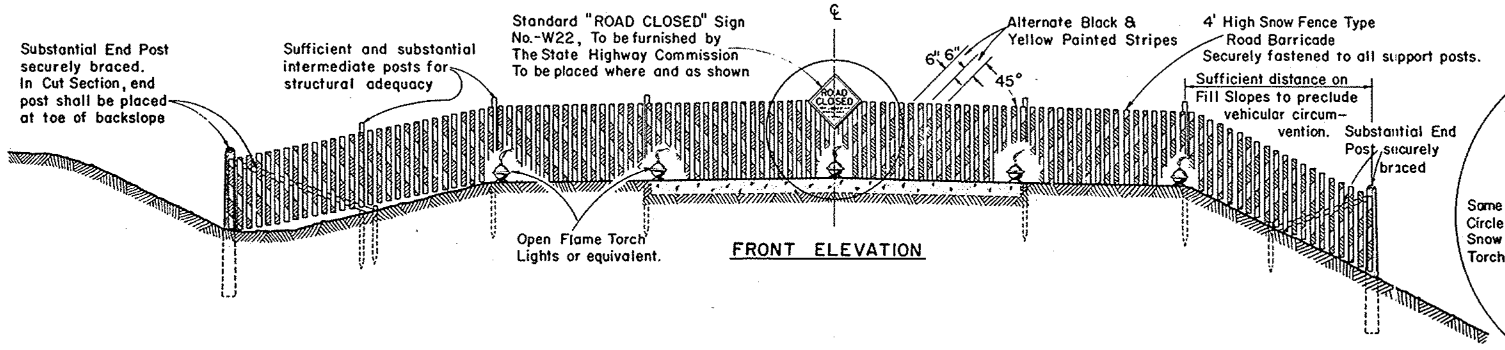
No 2523-3	Marker Posts	Each
No 2523-4	Marker Posts for Right of Way	Each

MARKER POSTS & MARKER POSTS FOR RIGHT OF WAY

STATE HIGHWAY COMMISSION OF WISCONSIN

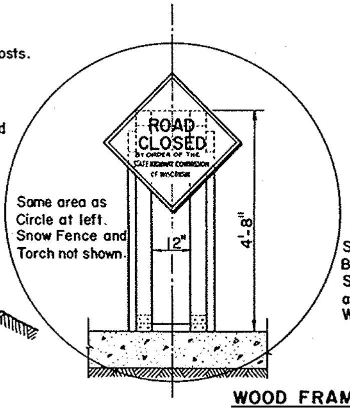
RECOMMENDED FOR APPROVAL
4/6/54 DATE — J.S. Pitt, ENGINEER OF DESIGN
APPROVED:
11/22/54 DATE — E. L. Roettiger, STATE HIGHWAY ENGINEER

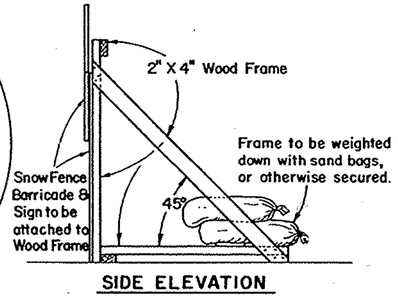
PLATE NO. 7-13.2.



STANDARD ROAD CONSTRUCTION BARRICADE

SNOW FENCE TYPE-"A"





WOOD FRAME SUPPORT AT ℄
FOR SNOWFENCE TYPE BARRICADE
When Barricade is Erected on Rigid Type Surfacing

GENERAL NOTES

The Contractor shall construct, place and maintain barricades as shown on this drawing and as required by the Standard Specifications Section 1107 for the duration of the project. Barricades shall be painted and structurally maintained for maximum visibility at all times.

Provision shall be made in the construction of barricades to provide for ingress and egress for local access as may be required.

ALTERNATE DESIGNS

Contractors may submit to the Engineer for approval, designs for Barricades other than shown on this drawing, and upon the Engineer's approval may be used as alternates.

MEASUREMENT & PAYMENT

All Barricades, unless otherwise provided for in the Plans and/or Special Provisions shall be furnished, placed, and maintained as noted above, and no additional compensation will be allowed but shall be construed to be included in the price bid for other items.

CONSTRUCTION BARRICADE

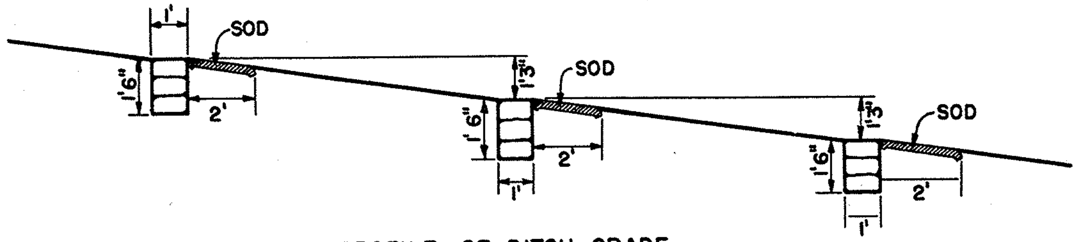
STATE HIGHWAY COMMISSION OF WISCONSIN

RECOMMENDED FOR APPROVAL:

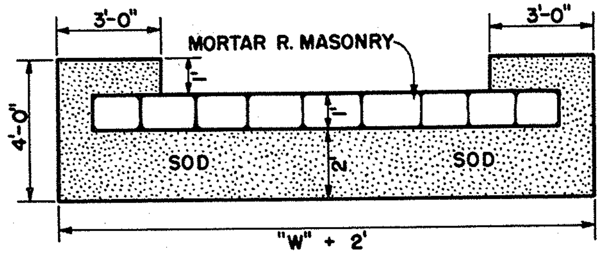
6/2/55 DATE — J. S. Pelt, ENGINEER OF DESIGN

APPROVED:

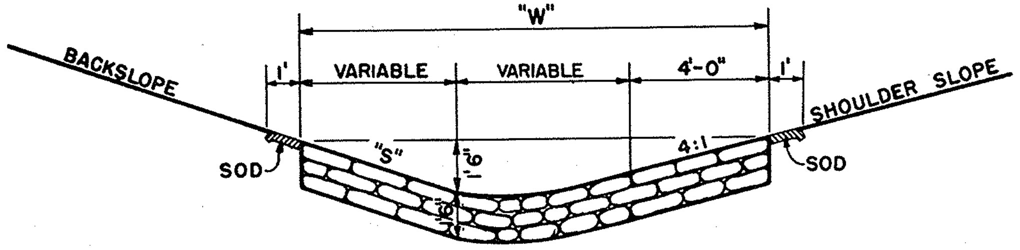
6/2/55 DATE — E. C. Ruttiger, STATE HIGHWAY ENGINEER



PROFILE OF DITCH GRADE



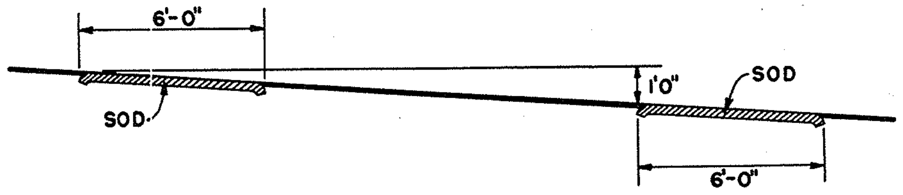
PLAN VIEW SHOWING SOD



SECTION

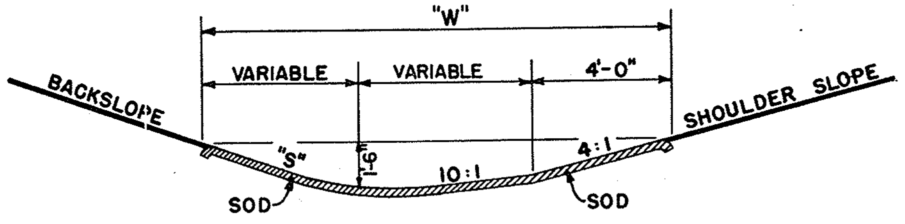
MORTAR RUBBLE MASONRY

QUANTITIES			
"S"	"W"	SOD SQ. YD.	EACH CU. YD.
2:1	12'	4.0	0.67
3:1	13.5'	4.33	0.75
4:1	15'	4.67	0.83



PROFILE OF DITCH GRADE

NOTE: NUMBER REQUIRED WILL BE DETERMINED BY VERTICAL SPACING.



SECTION

SOD DITCH CHECKS

QUANTITIES		
"S"	"W"	EACH SQ. YD.
2:1	12'	8
3:1	13.5'	9
4:1	15'	10

CONSTRUCTION NOTES

DETAILS OF CONSTRUCTION NOT SHOWN SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DITCH CHECKS
MORTAR RUBBLE MASONRY & SOD

STATE HIGHWAY COMMISSION OF WISC.

RECOMMENDED FOR APPROVAL:

DESIGN ENGINEER

DATE:

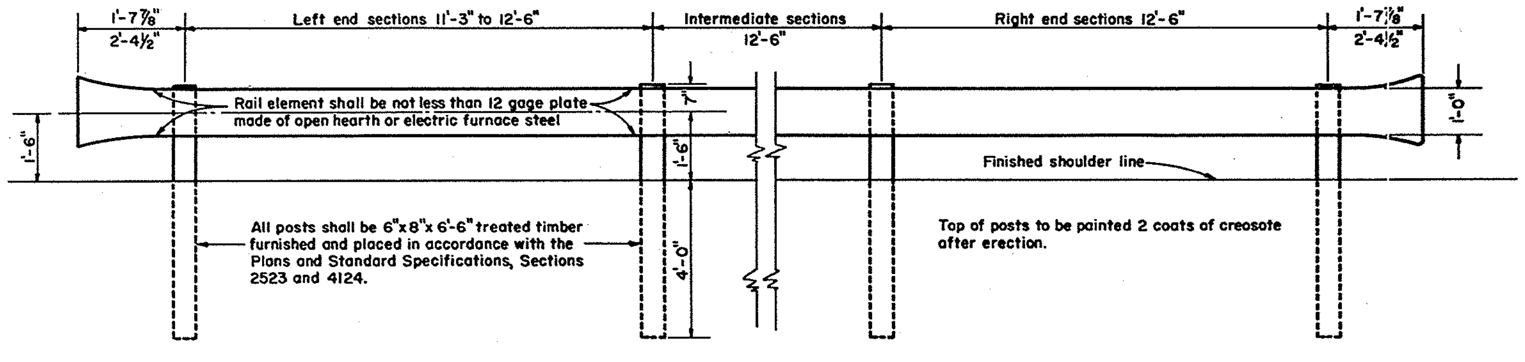
CONSTRUCTION ENGINEER

APPROVED:

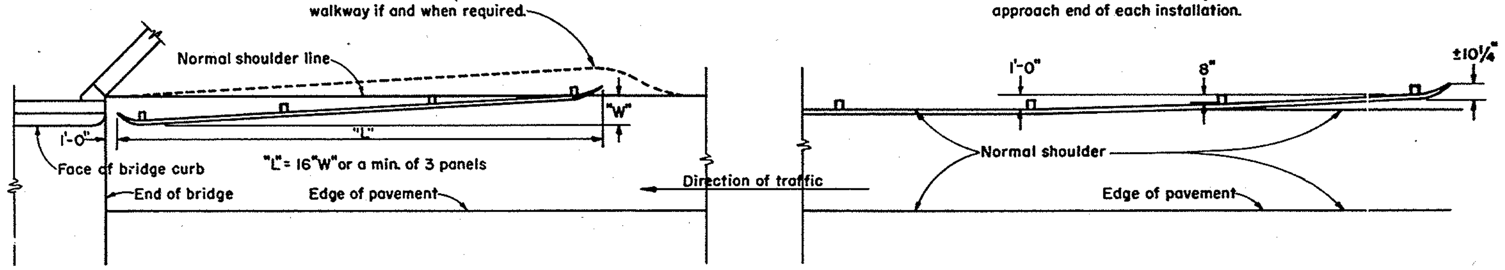
DRAWN DIV. 9
CHECKED N.F.C.

STATE HIGHWAY ENGINEER

8-1.3.1

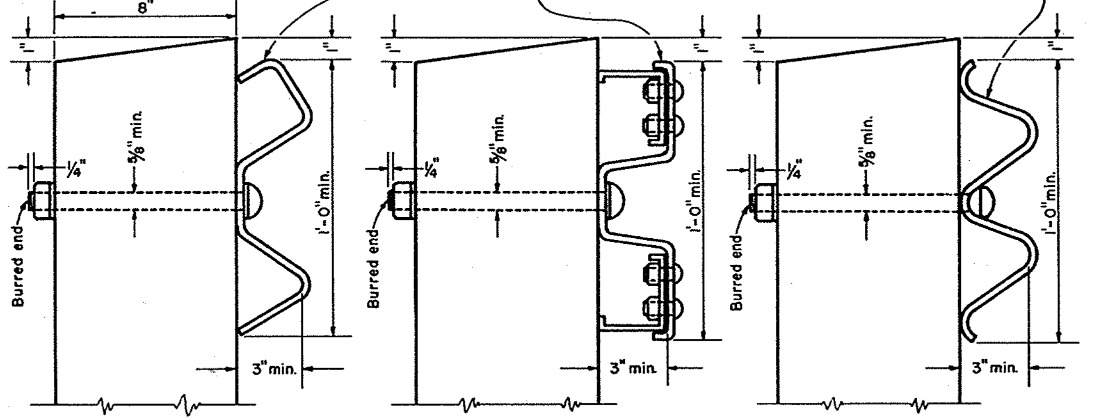


FRONT ELEVATION



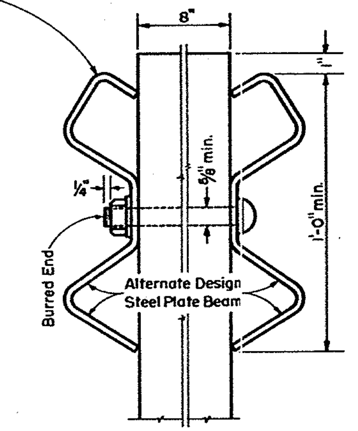
LOCATION DIAGRAM FOR BRIDGE APPROACHES

LOCATION DIAGRAM FOR INTERMEDIATE SECTIONS



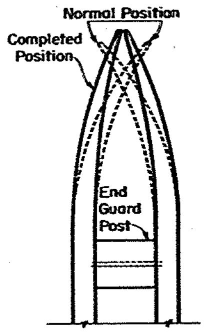
SIDE ELEVATIONS

ALTERNATE DESIGNS-STEEL PLATE BEAM GUARD (CLASS "B")



SIDE ELEVATION

ALTERNATE DESIGN - STEEL PLATE BEAM (MEDIAN) GUARD (CLASS "B")



PLAN VIEW
TERMINAL SECTIONS

GENERAL NOTES

Details of construction not shown on this drawing shall conform to the pertinent requirements of the Standard Specifications and applicable Special Provisions.

The Steel Plate Beam Guard shall consist of plate made of open hearth or electric furnace steel.

Plates shall be blanked to proper shape, fabricated and ready for assembly when received in the field. The plates shall be true to plan dimensions and of uniform section. Warped or deformed plates will be rejected. The edges of the plates shall be rolled or rounded so that they present no sharp edges. All connections and splices shall be formed with flat round headed bolts, or similar detail, so that no appreciable projection will be presented on the traffic side of the guard. The rail element shall be spliced by lapping in the direction of traffic or by butt joint with splice plate. The holes in the plate near the post shall be slotted to facilitate erection and to make provision for expansion and contraction. Plate ends in lap splices or plate ends and splice plate in butt splices shall make contact throughout the entire area of the splice.

TESTS

The elongation of a 2 inch specimen of the steel plate used in the rail element shall be not less than 12% when tested in tension.

The minimum tensile strength of the rail element shall, when tested in conjunction with splices and end connections, be 50,000 pounds. The rail element when loaded as a simple beam, freely supported at each end on 12'-6" centers, shall support a concentrated load of 2,000 pounds, applied at the center point, with a maximum deflection of 3½ inches and shall support a concentrated load of 2,400 pounds, tested in like manner, with a maximum deflection of 5½ inches.

PAINTING

SHOP COAT

Promptly following fabrication, the plates for steel rail element shall be thoroughly cleaned and shall be painted with a Red Lead Primer, or if an alternate of Red Lead Oxide Rust Inhibitive Primer or equivalent is used, the Engineer's prior approval shall be obtained. All parts, hardware and appurtenant fittings for the complete Beam Guard assembly shall likewise be painted when not furnished as galvanized.

FIELD COAT

Following erection, the steel rail elements and all parts, hardware and appurtenant fittings shall be painted in accordance with the Standard Specifications for Aluminum Paint, Section 4125.

Any damaged areas occuring to the shop coat during transportation or erection shall be cleaned and painted with an approved Rust Inhibitive Primer prior to any field coat painting.

Where the steel plate elements make contact with post mountings etc. all such areas which are impossible to paint after erection, shall be painted prior to erection.

All threaded portions of fittings and fasteners and cut ends of bolts shall be painted as specified or as directed by the Engineer.

ALTERNATE DESIGNS

Manufacturers may submit to the Engineer, for approval, designs for "Steel Plate Beam Guard" other than those shown on this drawing, providing that such alternate designs shall conform to the same physical tests and inspection requirements prescribed on this drawing for "Class 'B' Steel Plate Beam Guard."

MEASUREMENT & PAYMENT

The items of "Class 'B' Steel Plate Beam Guard" and "Class 'B' Steel Plate Beam (Median) Guard" shall be measured and paid for at the contract unit price per linear foot, measured in place by length in linear feet from end to end of Steel Plate or Steel Plates, which price shall be full compensation for furnishing all materials and performing all installation work to completion in accordance with the Plans and the Standard Specifications, Sections 2523 and 4124.

BID ITEMS

No. 2523-6 Steel Plate Beam Guard (Class "B") ...... Lin. Ft.
No. 2523-7 Steel Plate Beam (Median) Guard (Class "B") ...... Lin. Ft.

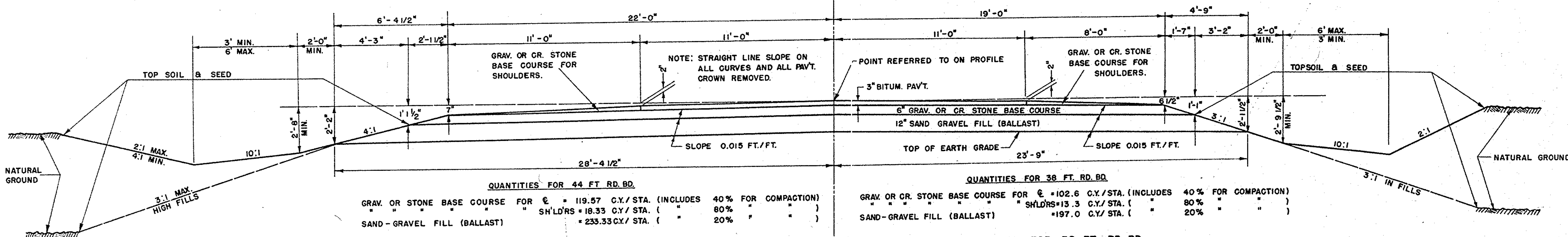
CLASS "B" STEEL PLATE BEAM GUARD & STEEL PLATE BEAM (MEDIAN) GUARD

STATE HIGHWAY COMMISSION OF WISCONSIN

RECOMMENDED FOR APPROVAL:
12-21-53 DATE — J. S. Pilt, ENGINEER OF DESIGN
APPROVED:
12/22/53 DATE — E. L. Roettiger, STATE HIGHWAY ENGINEER

PLATE NO. 7-2.4.1

PROJECT	SHEET NUMBER	TOTAL SHEETS
T 037-1 (5)	2	45



QUANTITIES FOR 44 FT. RD. BD.

GRAV. OR STONE BASE COURSE FOR ℄ = 119.57 C.Y./STA. (INCLUDES 40% FOR COMPACTION)
" " " " " " SH'LD'RS = 18.33 C.Y./STA. (" 80% " ")
SAND-GRAVEL FILL (BALLAST) = 233.33 C.Y./STA. (" 20% " ")

1/2 SECTION FOR 44 FT. RD. BD.

STATIONS
787+60 — 789+50
790+30 — 796+00
799+50 — 858+00

QUANTITIES FOR 38 FT. RD. BD.

GRAV. OR CR. STONE BASE COURSE FOR ℄ = 102.6 C.Y./STA. (INCLUDES 40% FOR COMPACTION)
" " " " " " SH'LD'RS = 13.3 C.Y./STA. (" 80% " ")
SAND-GRAVEL FILL (BALLAST) = 197.0 C.Y./STA. (" 20% " ")

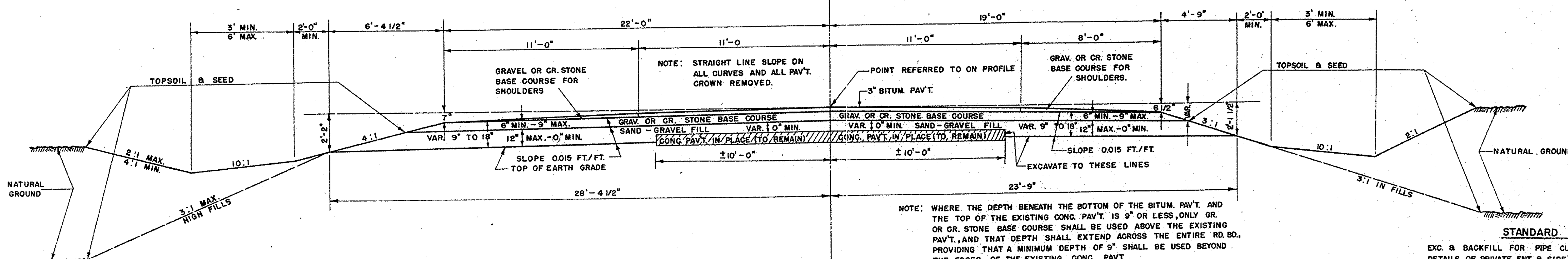
1/2 SECTION FOR 38 FT. RD. BD.

STATIONS
594+00 - 599+30 601+25 - 604+00
604+30 - 614+43 618+50 - 627+00
1045+50 - 1061+00 1118+50 - 1124+00
1174+00 - 1190+50 1126+50 1127+98.61

NORMAL TYPICAL SECTION

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN SHALL CONFORM TO THE PERTINENT REQUIREMENT OF THE STANDARD SPECIFICATIONS, AND THE APPLICABLE SPECIAL PROVISIONS.



NOTE: WHERE THE DEPTH BENEATH THE BOTTOM OF THE BITUM. PAV'T. AND THE TOP OF THE EXISTING CONC. PAV'T. IS 9" OR LESS, ONLY GR. OR CR. STONE BASE COURSE SHALL BE USED ABOVE THE EXISTING PAV'T., AND THAT DEPTH SHALL EXTEND ACROSS THE ENTIRE RD. BD., PROVIDING THAT A MINIMUM DEPTH OF 9" SHALL BE USED BEYOND THE EDGES OF THE EXISTING CONC. PAV'T.

STANDARD DRAWINGS

EXC. & BACKFILL FOR PIPE CULVERTS	I-2.1.1
DETAILS OF PRIVATE ENT. & SIDE ROAD APPROACHES	I-3.1.1
OBLITERATING OLD ROAD	I-4.1.1
TREE PRESERVATION DETAILS	6-1.1.1
M.R.M. FOR CULVERT ENDWALLS	6-2.4.1
SECTIONAL PLATE PIPE ARCH	6-5.2.3
MARKER POST & MARKER POST FOR R/W	7-1.3.2
CONSTRUCTION BARRICADE	7-4.1.2
DITCH CHECKS, M.R.M. & SOD	8-1.3.1
STEEL PLATE BEAM GUARD "B"	7-2.4.1

QUANTITIES FOR 44 FT. RD. BD. (FOR ESTIMATING PURPOSES)

GRAVEL OR CR. STONE BASE COURSE FOR ℄ = 150 C.Y./STA. (INCLUDES 40% FOR COMPACTION)
SAND-GRAVEL FILL (BALLAST) = 173 C.Y./STA. (" 20% " ")

1/2 SECTION FOR 44 FT. RD. BD.

STATIONS
785+00 - 787+60 789+50 - 790+30

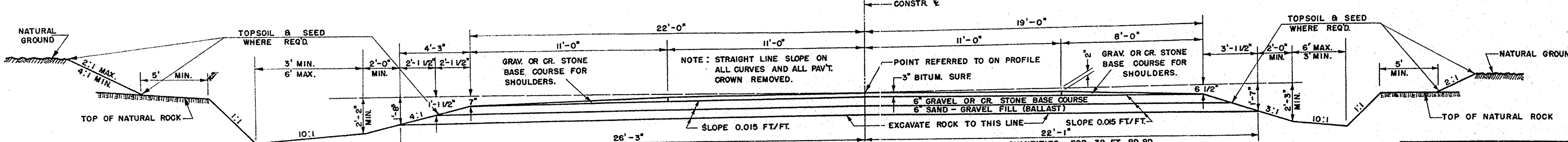
QUANTITIES FOR 38' RD. BD. (FOR ESTIMATING PURPOSES)

GRAV. OR CR. STONE BASE COURSE FOR ℄ = 168 C.Y./STA. (INCLUDES 40% FOR COMPACTION)
SAND-GRAVEL FILL (BALLAST) = 79 C.Y./STA. (" 20% " ")

1/2 SECTION FOR 38 FT. RD. BD.

STATIONS
599+30 - 601+25 604+00 - 604+30 1045+00 - 1045+50
1112+00 - 1118+50
1124+00 - 1126+50
1190+50 - 1192+07

NORMAL SECTION WHERE CONC. PAV'T. IS TO REMAIN



QUANTITIES FOR 44 FT. RD. BD.

SAND GRAVEL FILL (BALLAST) = 111.91 C.Y./STA. (INCLUDES 20% COMP.)
GRAVEL OR CR. STONE BASE COURSE FOR ℄ = 119.57 C.Y./STA. (" 40% ")
" " " " " " SH'LD'RS = 18.33 C.Y./STA. (" 80% ")

1/2 SECTION FOR 44 FT. RD. BD.

STATIONS
796+00 - 799+50

QUANTITIES FOR 38 FT. RD. BD.

SAND-GRAVEL FILL (BALLAST) = 94.8 C.Y./STA. (INCLUDES 20% FOR COMP.)
GRAVEL & CR. STONE BASE COURSE FOR ℄ = 102.6 C.Y./STA. (" 40% " ")
" " " " " " SH'LD'RS. = 13.3 C.Y./STA. (" 80% " ")

1/2 SECTION FOR 38 FT. RD. BD.

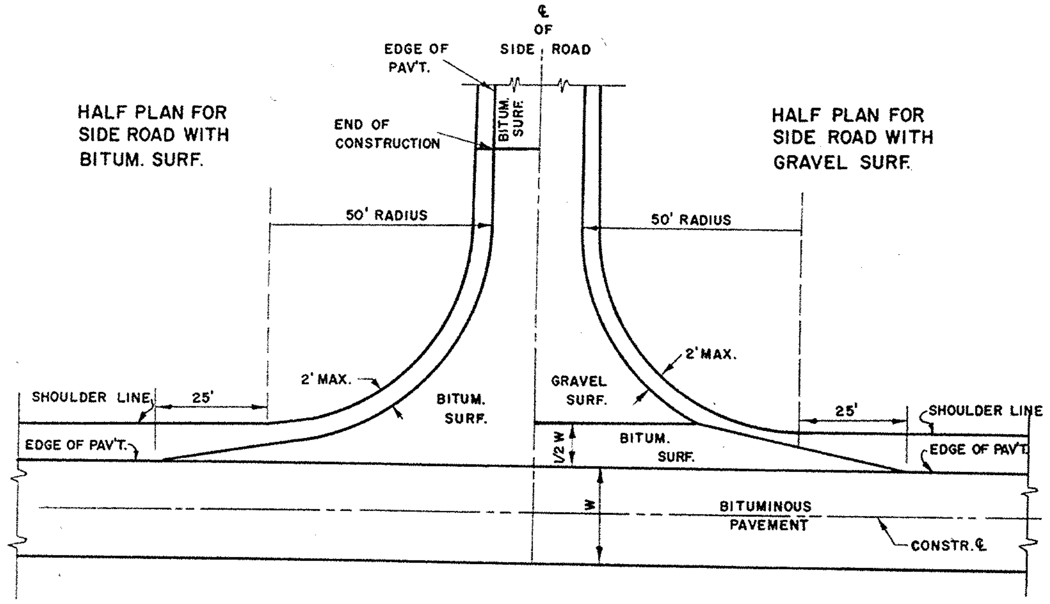
STATIONS
614+43 - 618+50

NORMAL SECTION WHERE ROCK IS ENCOUNTERED

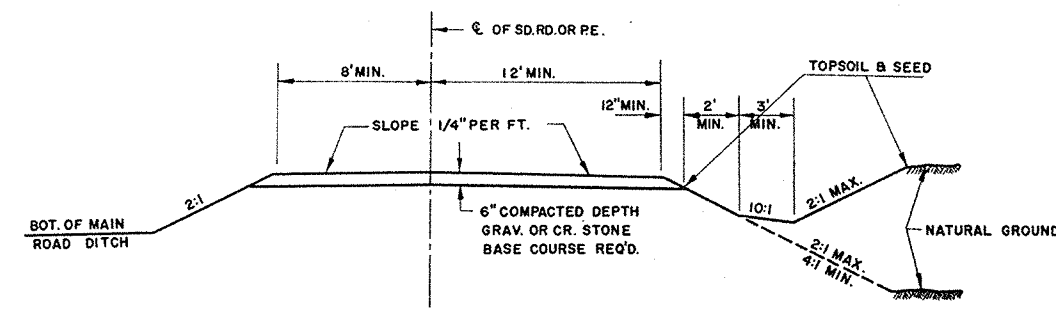
TYPICAL CROSS SECTIONS
FOR
22 FT. BITUM. PAV'T. — 38 FT. ROADBED
FOR
22 FT. BITUM. PAV'T. — 44 FT. ROADBED

0 5 FT.

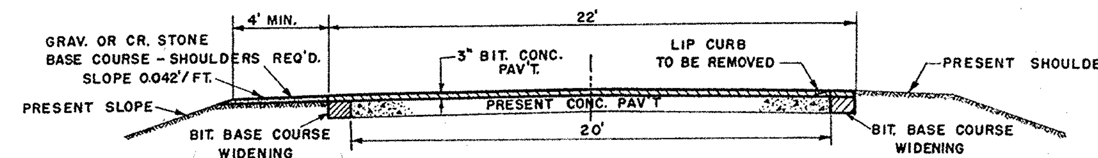
12



DETAILS FOR BITUMINOUS SURFACING AT SIDE ROADS



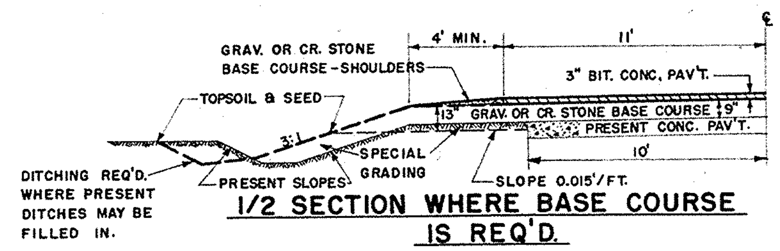
1/2 SECTION FOR PRIV. ENT. | 1/2 SECTION FOR SIDE RDS.



1/2 NORMAL SECTION | 1/2 SECTION WHERE LIP CURB EXISTS

MI. 16.23 TO MI. 13.61
" 12.34 TO " 10.23
" 8.62 TO " 5.98
" 5.74 TO " 5.48

MI. 5.18 TO MI. 4.21
" 3.92 TO " 3.11
" 2.76 TO " 0.97



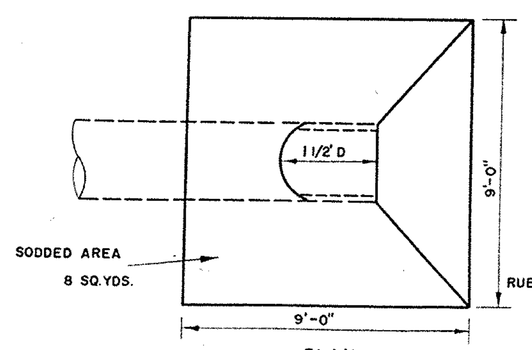
1/2 SECTION WHERE BASE COURSE IS REQ'D.

MI. 5.74 TO MI 5.98
" 12.34 TO " 13.04

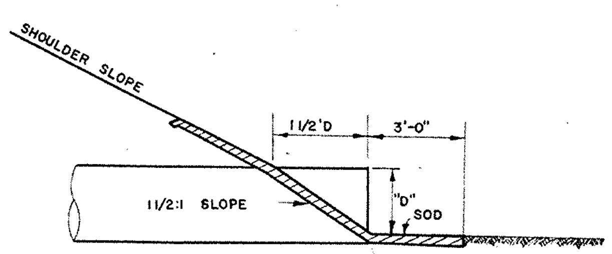
AGG. FOR BASE COURSE = 80.78 C.Y./MI. (INCLUDES 40% FOR COMPACTION)
" " SHOULDERS = 6.67 C.Y./STA. (" 80% " ")

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN SHALL CONFORM TO THE PERTINENT REQIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS

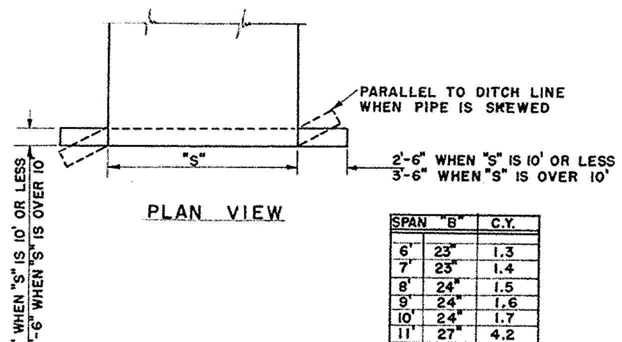


PLAN



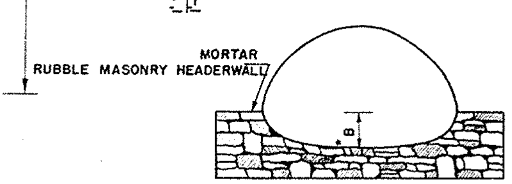
SECTION

DETAIL OF SOD ENDWALLS FOR PIPES UNDER SIDE RDS. & PRIV. ENTR.

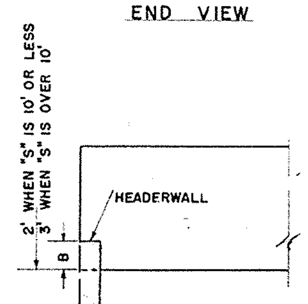


PLAN VIEW

SPAN	"B"	C.Y.
6'	23"	1.3
7'	23"	1.4
8'	24"	1.5
9'	24"	1.6
10'	24"	1.7
11'	27"	4.2
12'	27"	4.4
13'	27"	4.6
14'	31"	4.9



END VIEW



SIDE VIEW

END DETAILS SECTION PLATE PIPE ARCH

FOR SEC. PL. PIPE ARCH OF 14' SPAN OR LESS

* B=B ON STANDARD PLATE NO. 6-5.2.3

TYPICAL CROSS SECTIONS FOR 22 FT. BITUM. PAV'T. — 30 FT. ROADBED AND MISC. CONSTRUCTION DETAILS

SCALE VARIABLE

ESTIMATE OF QUANTITIES

THIS PROJECT IS TO BE EXECUTED UNDER THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION OF THE STATE HIGHWAY COMMISSION OF WISCONSIN — EDITION OF 1951 AND SPECIAL PROVISIONS AS ATTACHED TO PROPOSALS.

CONTRACT NO. 1

B. P. R. DIVISION	PROJECT	SHEET NO.	TOTAL SHEETS
4	T 037-1 (5)	3	45

SEC. NO.	STATION TO STATION	NET LENGTH OF CENTER LINE	CLEARING	CLEARING	GRUBBING	GRUBBING	REMOVING OLD CULVERT STA.	REMOVING OLD CULVERT	REMOVING CONC. SURF. DRAINS STA.	REMOVING CONC. SURF. DRAINS	REMOVING PAV'T.	REMOVING CONC. LIP CURB	EXCAVATION COMMON	EXCAVATION UNCLASSIFIED	EXCAVATION ROCK	EXCAVATION MARSH	EXCAVATION BORROW
	ITEM NO.		2101-2	2101-3	2101-5	2101-6	2104-1		2104-21	S.P.	2105-1	S.P.	2106-1	2106-5	2106-2	2106-4	2109-1
	UNIT	MILES	IN. DIA.	ACRE	IN. DIA.	ACRE	L.S.		L.S.	EACH	S.Y.	LIN. FT.	C.Y.	C.Y.	C.Y.	C.Y.	C.Y.
	MI. 16.23 TO MI. 0.97	15.26	1700		1600					8	11,853	4,000	15,473	47,704	4,401		13,004
	TOTALS	15.26	1700		1600					8	11853	4,000	15,473	47,704	4,401		13,004

SEC. NO.	SAND GRAVEL FILL	SPECIAL GRADING	DITCHING	FINISHING ROADWAY	OBLITERATING OLD ROAD	CONCRETE BASE COURSE	CONCRETE	GRAVEL OR CRUSHED STONE BASE COURSE	GRAVEL OR CRUSHED STONE BASE COURSE IN STOCK PILES	CONCRETE PAVEMENT	CONCRETE PAVEMENT	PATCHING BASE	CONCRETE SURFACE DRAINS	CONCRETE PAVEMENT REINF.	PREP. ROADBED FOR BITUM. SURF.	BITUM. MAT. FOR PRIME COAT	BITUM. ROAD MIX SURFACE	AGGREGATES FOR BITUM. ROAD MIX SURFACE	BITUM. MAT. FOR SURFACE COURSE	BITUMINOUS CONCRETE PAYMENT	BIT. BASE COURSE WIDENING
ITEM NO.	S.P.	S.P.	S.P.	2114-1	2116-1	2201-1		2203-1	220	2301-1	2301-	S.P.	2301-6	2301-7	2310-1	2311-1	2313-1	2313-2	2314-1	2317-1	S.P.
UNIT	TON	STA.	STA.	STA.	STA.	SQ. YD.		TON		SQ. YD.	SQ. YD.	SQ. YD.	C.Y.	SQ. YD.	STA.	GAL.	SQ. YD.	C.Y.	TONS	TONS	SQ. YD.
	48,150	50	40	213	8			51,150				500			592.4	9,100			2207	36,760	12,500
TOTALS	48150	50	40	213	8			51,150				500			5924	9,100			2207	36,760	12,500

BRIDGES (STRUCTURES OVER 20 FT. SPAN)

SEC. NO.	REMOVE OLD BRIDGE STA.	COMMON EXC.	EXCAVATION FOR STRUCTURES	SAND GRAVEL FILL	CONCRETE MASONRY	BAR STEEL REINF.	STRUCTURAL STEEL	STEEL CASTINGS	CARBON STEEL FORGINGS	SHEET LEAD	SHEET ZINC	TR'T'D LUMBER AND TIMBER	UNTR'D TIMBER TEST PILING	UNTREATED TIMBER PILING DELIVERED	UNTREATED TIMBER PILING DRIVEN	TREATED TIMBER PILING DELIVERED	TREATED TIMBER PILING DRIVEN	FLOOR DRAINS	RIPRAP
	2104-21	2106-1	2107-1	2110-1	2401-1	2406-2	2407-	2407-3	2407-4	2407-9	2407-11	2408-2	2501-1	2501-2	2501-3	2501-4	2501-5	2507-1	2512-1
	L.S.	C.Y.	C.Y.	C.Y.	C.Y.	LB.	LB.	LB.	LB.	LB.	LB.	M.B.M.	L.S.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	EACH	C.Y.

CULVERTS (STRUCTURES 20 FT. SPAN & UNDER)

REMOVE OLD CULV'T STA.	COMMON EXC.	EXCAVATION FOR STRUCTURES	SAND GRAVEL FILL	CONCRETE MASONRY	BAR STEEL REINF.	STRUCTURAL STEEL	STEEL CASTINGS	CARBON STEEL FORGINGS	SHEET LEAD	SHEET ZINC	TR'T'D LUMBER AND TIMBER	UNTR'D TIMBER TEST PILING	TREATED TIMBER PILING DELIVERED	TREATED TIMBER PILING DRIVEN	FLOOR DRAINS	RIPRAP
2104-1	2106-1	2107-2	2110-1	2404-1	2406-3	2407-	2407-3	2407-4	2407-9	2407-11	2408-2	2501-1	2501-4	2501-5	2507-1	2512-1
L.S.	C.Y.	C.Y.	C.Y.	C.Y.	LB.	LB.	LB.	LB.	LB.	LB.	M.B.M.	L.S.	LIN. FT.	LIN. FT.	EACH	C.Y.

SEC. NO.	RUBBLE MASONRY MORTAR (CULV. E. WALLS)	RUBBLE MASONRY DRY	CULVERT PIPE 18"	CULVERT PIPE 24"	CULVERT PIPE 42"	CULVERT PIPE	CULVERT PIPE	CULVERT PIPE	SECTIONAL PLATE PIPE ARCHES SPAN 6'-1" RISE 4'-7"	SPAN 7'-0" RISE 5'-1"	SPAN 7'-11" RISE 5'-7"				RIPRAP	HEAVY RIPRAP	RUBBLE PAVING PLAIN	RUBBLE PAVING GRO'T'D	DITCH CHECKS	DITCH CHECKS M.R.
	2409-2	2409-3	2411-11	2411-12	2411-13	2411-	2411-	2411-	2412-31	2412-32	2412-33	2411-	2411-	2411-	2512-1	2512-2	2515-1	2515-2	2516-	2516-3
	C.Y.	C.Y.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	C.Y.	C.Y.	SQ. YD.	SQ. YD.		C.Y.
	20		928	324	72				68	60	86									160
	20		928	324	72				68	60	86									160

PIPE UNDERDRAIN	STORM SEWER	STORM SEWER	STORM SEWER	STORM SEWER	CATCH BASINS	CATCH BASINS	MANHOLES	MANHOLES	INLETS	INLETS	CONCRETE CURB	CONCRETE CURB AND GUTTER	CONCRETE SIDEWALK	GUARD FENCE CABLE	GUARD FENCE STEEL PLATE BEAM GUARD (CLASS B)	GUARD FENCE ANCHORAGES FOR CABLE	MARKER POSTS	MARKER POSTS FOR R-O-W	CALCIUM CHLORIDE SURFACE TREATMENT	TOP-SOIL	SALVAGED TOP-SOIL	FERTILIZER	SEEDING	SODDING
2517-1	2519-	2519-	2519-	2519-	2520-	2520-	2520-	2520-	2520-	2520-	2521-1	2521-3	2522-11	2523-1	2523-6	2523-5	2523-3	2523-4	2525-1	2528-1	2528-2	2531-1	2532-1	2533-1
LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	EACH	EACH	EACH	EACH	EACH	EACH	LIN. FT.	LIN. FT.	SQ. FT.	LIN. FT.	LIN. FT.	EACH	EACH	EACH	TON	SQ. YD.	SQ. YD.	CWT.	SQ. YD.	SQ. YD.
															175		40	89	45	8,100	79,000	252	139,100	1,700
															175		40	89	45	8,100	79,000	252	139,100	1,700

DETAIL SUMMARY SHEET OF MISCELLANEOUS QUANTITIES (GRADE – DRAIN)

PROJECT	SHEET NUMBER	TOTAL SHEETS
T.037-1(5)	3A	45

CLEAR & GRUBB.

STA. TO STA.	CLEARING I.D.	GRUBBING I.D.
594+00 - 627+00	830	730
785+00 - 858+00	170	170
1045+00 - 1061+00	90	90
1112+00 - 1127+98.61	580	580
1174+00 - 1192+07	30	30

EXCAVATION

STA. TO STA.	UNCLASS. C.Y.	COMMON C.Y.	ROCK C.Y.	BORROW C.Y.
594+00 - 627+00	2568	4397	1210	13,004
785+00 - 858+00	25,910	11,076	3191	
1045+00 - 1061+00	13,467			
1112+00 - 1127+98.61	2,499			
1174+00 - 1192+07	3260			

FINISHING RDWY

STA. TO STA.	LOCAT	STA'S
594 - 627	℄	33.0
614 + 15.2	X-RD	2.0
785 - 858	℄	73.0
807 + 90	X-RD	1.5
841 + 24.8	X-RD	1.5
1045 - 1061	℄	16.0
1049 + 47	S.RD	1.5
1112 - 1127+98.61	℄	16.0
1125 + 70	S.RD	0.4
1174 - 1192+07	℄	18.1
MI. 5.74 - MI. 5.98	℄	13.0
MI 12.34 - MI. 13.04	℄	37.0

REMOVE LIP CURB

MI. TO MI.	L-R	LIN. FT
5.48 TO 5.50	L-R	211
5.60 TO 5.62	L-R	211
6.83 TO 6.88	R	264
6.88 TO 6.94	L-R	634
7.13 TO 7.37	R	1267
7.63 TO 7.76	L-R	1373
UNDISTRIB.		40

GRAV. OR CR. STONE BASE COURSE

STA. TO STA.	℄ RDWY	SH'LD'RS	P.E. & S.RDS	TOTAL C.Y.
594+50 - 626+50	3380			
785+00 - 858+00	8850			
1045+00 - 1061+00	1700			
1112+00 - 1127+98.61	2250			
1174+00 - 1192+07	2000			
MI. 13.04 TO 12.34	5655			
MI. 5.98 TO 5.74	1940			
MI. 0.97 TO 16.23				
TOT. MI. 0.97 - 16.23	25,775	6408	1917	34,100

SAND GRAVEL FILL

STA. TO STA.	℄ RDWY	AT CULV'S	TOTAL C.Y.
594+50 TO 626+50	5650	150	5800
785+00 TO 858+00	16,400	400	16,800
1045+00 TO 1061+00	3100		3100
1112+00 TO 1127+98.61	2100	500	2600
1174+00 TO 1192+07	3450	350	3800
TOTAL			32,100

REMOVE SURF. DRAINS

MILE	EACH
3.32	1
5.62	2
6.83	1
7.37	2
7.68	2

BIT. BASE COURSE WIDENING

MI. TO MI.	SQ. YD
0.97 TO 1.85	997
2.07 TO 2.78	833
3.11 TO 3.92	950
4.21 TO 5.18	1138
5.48 TO 5.74	305
5.98 TO 8.62	3098
10.23 TO 12.34	2476
13.61 TO 13.88	317
13.98 TO 14.45	551
14.72 TO 16.23	1772
UNDISTRIB	63

PIPE CULVERTS

MILE NO.	STATION	DIAMETER INCHES	LENGTH LIN. FT.	TYPE	℄ RDY	P.E. & S.R. L	P.E. & S.R. R	MARKER POSTS	M.R.M.	S.E.B.	SOD E. WALLS
13.61	595 + 50	7' × 5'-1"	60'	S.P.P.A.	℄			2	2.8	110	12
	599 + 70	18"	28'	C.P.			R				16
	601 + 50	18	28	"			R				16
	604 + 70	18	28	"		L					16
	607 + 18	24	30	"	℄			2	2.2	40	
	610 + 10	18	36	"		L					16
	611 + 10	18	36	"		L					16
	612 + 50	18	28	"			R				16
	614 + 30	18	28	"		L					16
	615 + 20	18	32	"		L					16
	616 + 50	18	32	"		L					16
13.04	620 + 80	18	28	"		L					16
10.23	789 + 60	18	28	"		L					16
	790 + 50	18	28	"			R				16
	807 + 90	24	60	"			R	2			16
	814 + 00	18	2@28	"		L	R				32
	819 + 90	6'-1" × 4'-7"	68	S.P.P.A.	℄			2	2.6	200	12
	836 + 00	18	2@28	C.P.		L	R				32
	833 + 20	7'-11" × 5'-7"	86	S.P.P.A.	℄			2	3.0	200	12
	841 + 24.8	24	64	C.P.		L		2			16
	845 + 50	18	28	"			R				16
8.62	849 + 10	18	28	"		L					16
5.48	1050 + 50	18	28	"			R				16
	1056 + 50	18	28	"			R				16
5.16	1056 + 50	18	28	"		L					16
4.21	1112 + 12	24	52	"	℄			2	2.2	40	
	1116 + 00	18	28	"		L					16
	1117 + 90	18	28	"			R				16
	1122 + 44	42	72	"	℄			2	4.1	460	
	1126 + 20	18	28	"			R				16
3.92	1126 + 00	18	64	"		L		2			16
3.11	1179 + 99	24	68	"	℄			2	2.2	350	
	1186 + 50	18	28	"		L					16
2.78	1188 + 20	18	28	"			R				16
5.74 TO 5.98 - 12.34 TO 13.04		18	4@28	"							64

SPEC. GRADING

MI. TO MI.	STA.
5.74 TO 5.98	13
12.34 TO 13.04	37

DITCHING

MI. TO MI.	STA.
5.74 TO 5.98	40
12.34 TO 13.04	

SODDING

STA. TO STA.	DITCH CHECKS	AT CULV'S	UNDISTRIB	SQ. YD
594 - 627	381	172	67	620
785 - 858	390	184	36	610
1045 - 1061	108	48	14	170
1112 - 1127+98.61		64	16	80
1174 - 1192+07	54	32	34	120
MI. 5.74 - 5.98		64	~~36~~	~~100~~
MI. 12.34 - 13.04				
TOTAL				1700

TOPSOIL

STA. TO STA.	TOPSOIL S.Y.	SALV. TOPSOIL S.Y.
594 - 627		15,450
785 - 858		42,200
1045 - 1061		7550
1112 - 1127+98.61		6050
1174 - 1192+07		7750
MI. 5.74 - 5.98	2100	
MI. 12.34 - 13.04	6,000	

MARKER POSTS

STA. TO STA	L-R		ON SH'LD'RS	AT CULV'S
601+50 - 611+50	L	50' CTRS	11	
606+50 - 610+50	R	"	9	
594 - 627				4
785 - 858				8
1112 - 1127+98.61				6
1174 - 1192+07				2

PATCHING BASE

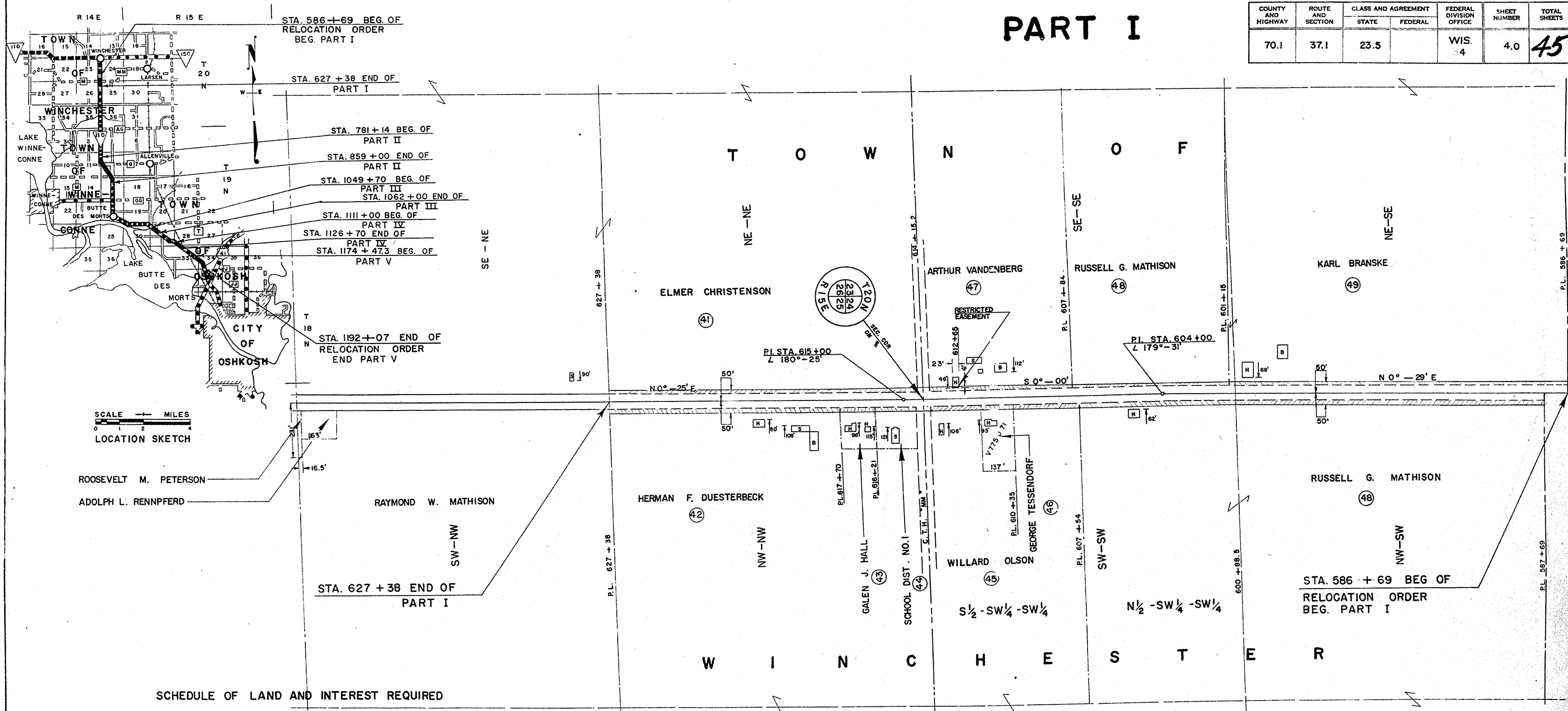
MI. TO MI.	SQ. YD
3.92 TO 4.21	10
5.62 TO 5.66	30
6.42 TO 6.64	20
7.68 TO 7.76	30
11.30 TO 12.29	200
UNDISTRIB.	210

REMOVE CONC. PAV'T

STA. TO STA.	SQ. YD
601+25 - 604+00	611
613+50 - 619+00	1222
790+35 - 800+50	2255
805+40 - 807+45	500
808+15 - 8+85 CTH "G"	300
849+50 - 858+00	1889
847+15 - 847+85	178
1049+50 - 1061+00	2555
1126+50 - 1127+99	330
1112 + 44	20
1174+25 - 1177+50	872
1180+00	40
1181+30 - 1185+50	956
800+50 - 805+40	51
UNDISTRIB	74

PART I

COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT STATE	CLASS AND AGREEMENT FEDERAL	FEDERAL DIVISION OFFICE	SHEET NUMBER	TOTAL SHEETS
70.1	37.1	23.5		WIS. 4	4.0	45



SCHEDULE OF LAND AND INTEREST REQUIRED

NO.	OWNER	ACRES REQ'D	RODS OF FENCING TO MOVE	RODS OF FENCING TO BUILD	INTEREST REQUIRED
41	ELMER CHRISTENSON	0.51	79		HIGHWAY EASEMENT
42	HERMAN DUESTERBECK	0.38	8		HIGHWAY EASEMENT
43	GALEN J. HALL	0.06			" "
44	SCHOOL DISTRICT NO. 1	0.07	10		" "
45	WILLARD OLSON	0.19	17		" "
46	GEORGE TESSENDORF	0.05			" "
47	ARTHUR VANDENBERG	0.24	10		HIGHWAY EASEMENT, INCL. RESTR. DEV. RIGHTS
48	RUSSELL G. MATHISON	1.10	108		HIGHWAY EASEMENT
49	KARL BRANSKE	0.56	78		" "
					" "

STATE HIGHWAY COMMISSION OF WISCONSIN

PLAT OF RIGHT OF WAY REQUIRED

PROJECT T 037-1(5)

OSHKOSH - FREMONT ROAD

S.T.H. 110 WINNEBAGO COUNTY

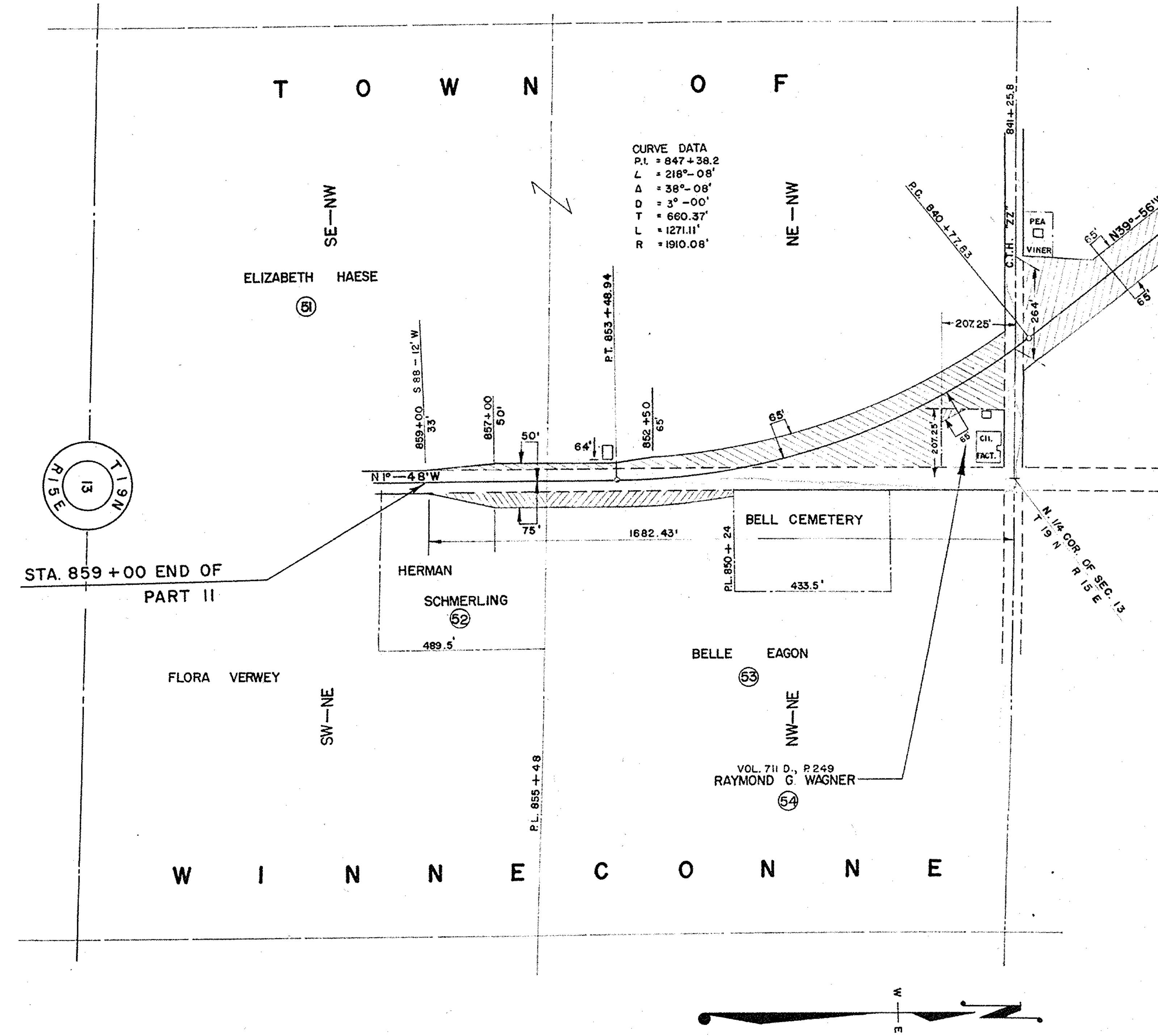
SCALE 0 200 400

LENGTH - 3.122 MILES

DATED JUNE 30, 1955

COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT		FEDERAL DIVISION OFFICE	SHEET NUMBER	TOTAL SHEETS
		STATE	FEDERAL			
70.1	37.1	23.5		WIS. 4	4.1	45

PART II



SCHEDULE OF LAND AND INTEREST REQUIRED

NO	OWNER	ACRES REQ'D	RODS OF FENCING		INTEREST REQUIRED
			TO MOVE	TO BUILD	
51	ELIZABETH HAESE	2.74	95		HIGHWAY EASEMENT
52	HERMAN SCHMERLING	0.24	21		" "
53	BELLE EAGON	0.37	32		" "
54	RAYMOND G. WAGNER	0.03	5		" "

STATE HIGHWAY COMMISSION OF WISCONSIN

PLAT OF RIGHT OF WAY REQUIRED

PROJECT T 037-1 (5)

OSHKOSH — FREMONT ROAD

S.T.H. 110 WINNEBAGO COUNTY

SCALE 0' 100' 200' 400'

LENGTH — 3.122 MILES

DATED JUNE 30, 1955

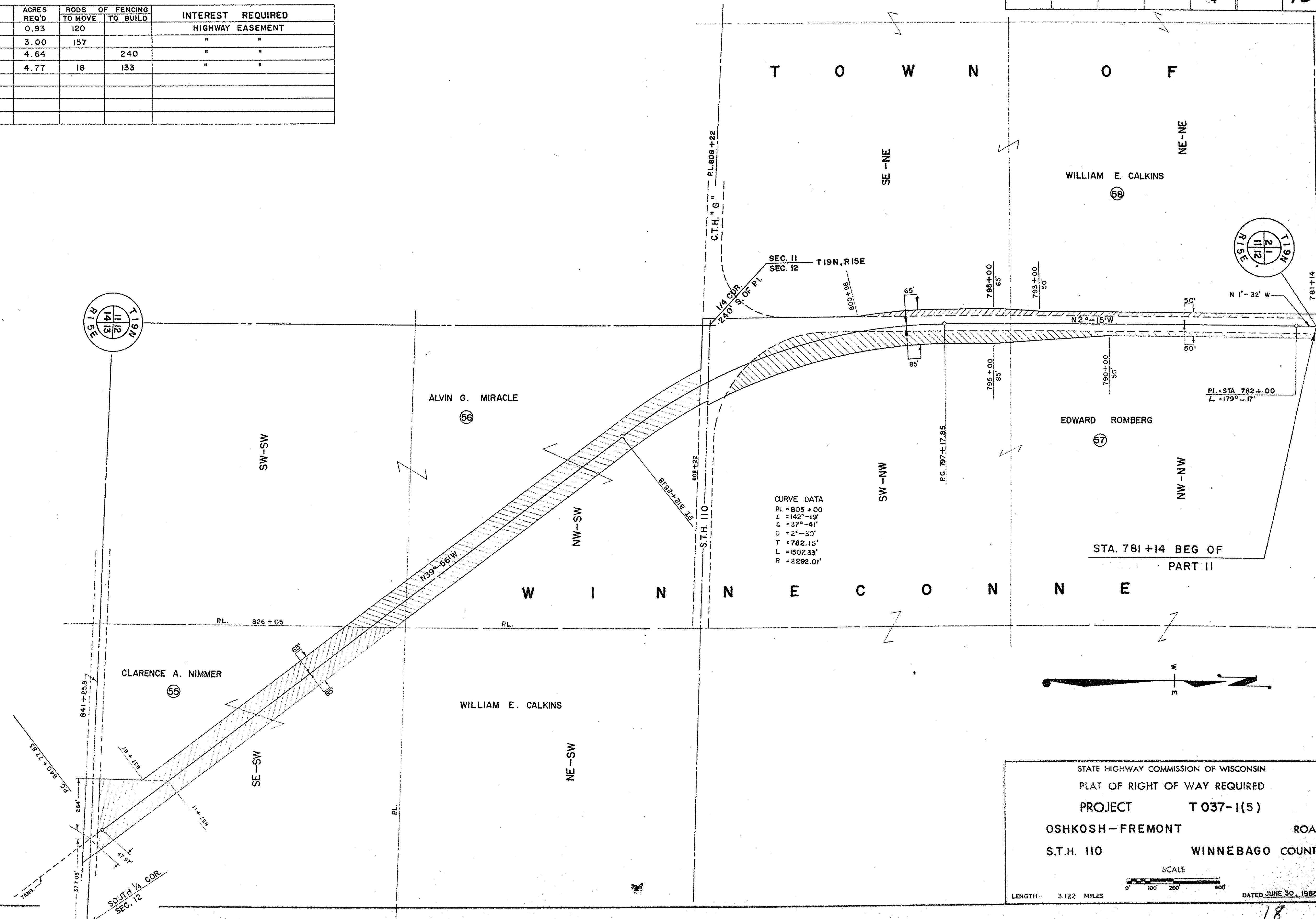
10360 — 10362

PART II

COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT STATE	CLASS AND AGREEMENT FEDERAL	FEDERAL DIVISION OFFICE	SHEET NUMBER	TOTAL SHEETS
70.1	37.1	23.5		WIS. 4	4.2	45

SCHEDULE OF LAND AND INTEREST REQUIRED

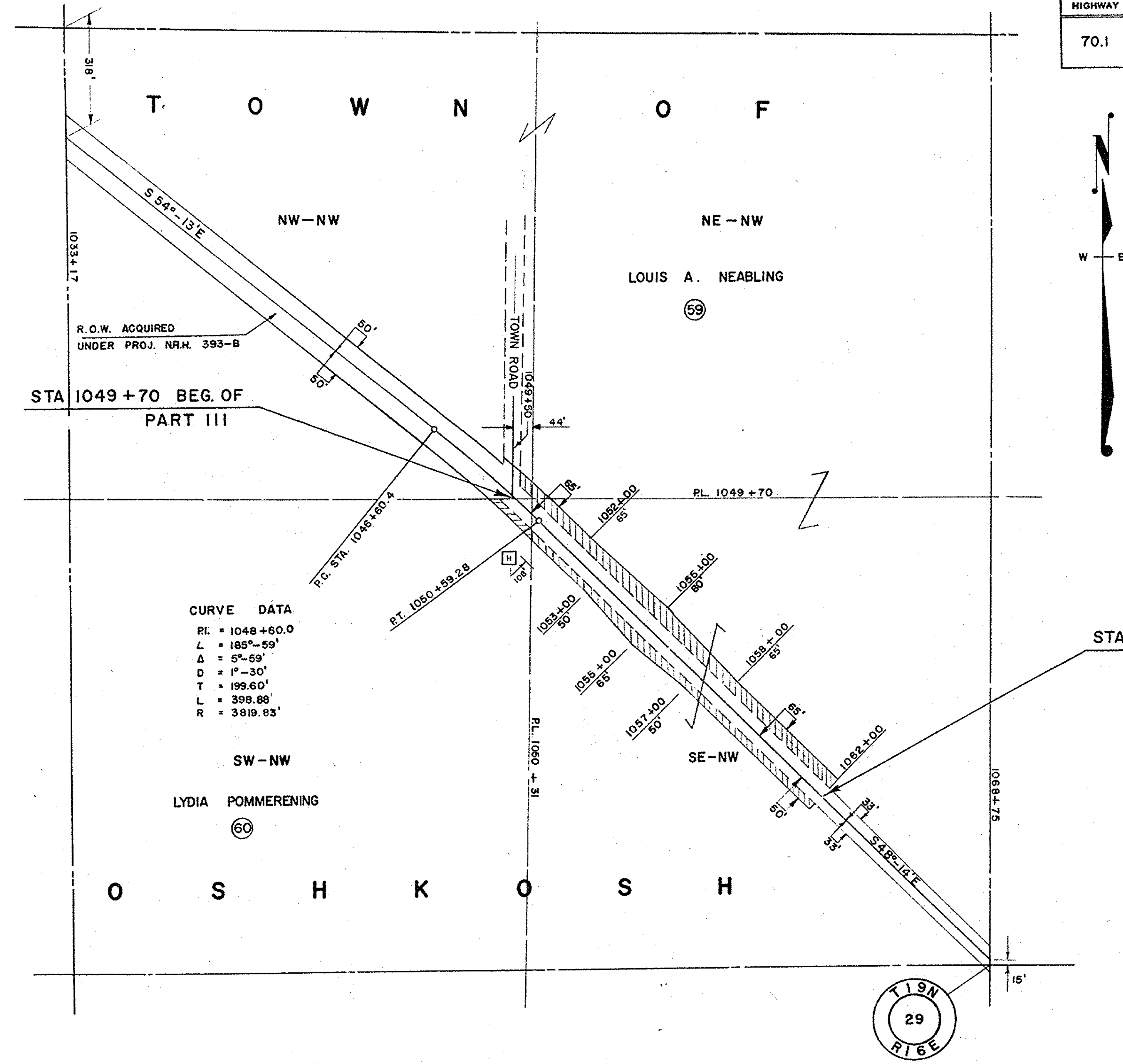
NO	OWNER	ACRES REQ'D	RODS OF FENCING TO MOVE	RODS OF FENCING TO BUILD	INTEREST REQUIRED
58	WILLIAM E. CALKINS	0.93	120		HIGHWAY EASEMENT
57	EDWARD ROMBERG	3.00	157		" "
56	ALVIN G. MIRACLE	4.64		240	" "
55	CLARENCE NIMMER	4.77	18	133	" "



STATE HIGHWAY COMMISSION OF WISCONSIN
PLAT OF RIGHT OF WAY REQUIRED
PROJECT T 037-1(5)
OSHKOSH-FREMONT ROAD
S.T.H. 110 WINNEBAGO COUNTY
SCALE 0' 100' 200' 400'
LENGTH - 3.122 MILES DATED JUNE 30, 1955

COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT STATE	CLASS AND AGREEMENT FEDERAL	FEDERAL DIVISION OFFICE	SHEET NUMBER	TOTAL SHEETS
70.1	37.1	23.5		WIS. 4	4.3	45

PART III



SCHEDULE OF LAND AND INTEREST REQUIRED

NO.	OWNER	ACRES REQ'D	RODS OF FENCING TO MOVE	RODS OF FENCING TO BUILD	INTEREST REQUIRED
59	LOUIS A. NEABLING	1.54	36		HIGHWAY EASEMENT
60	LYDIA POMMERENING	0.13			" "

STATE HIGHWAY COMMISSION OF WISCONSIN

PLAT OF RIGHT OF WAY REQUIRED

PROJECT T 037-1(5)

OSHKOSH — FREMONT ROAD

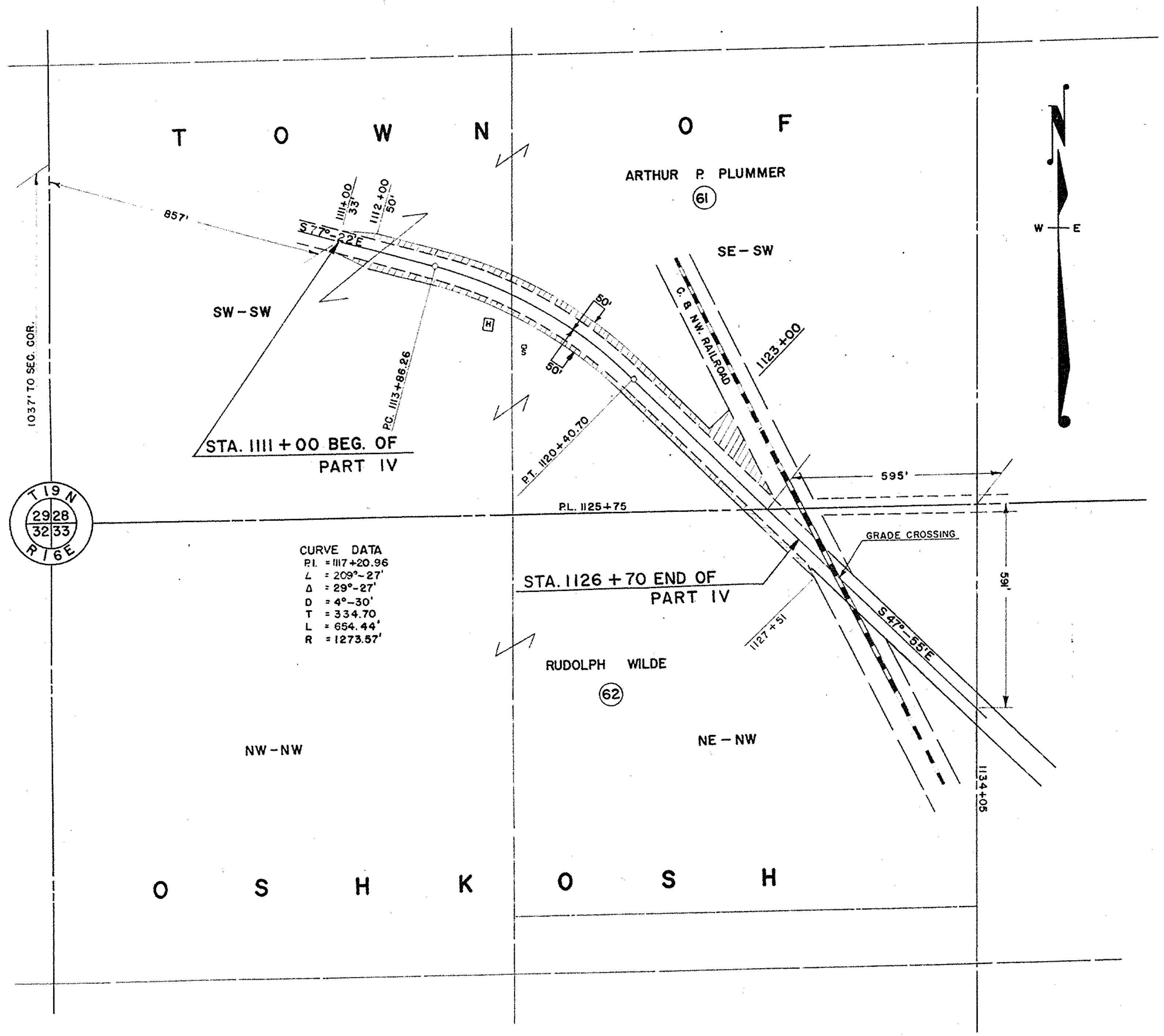
S.T.H. 110 WINNEBAGO COUNTY

SCALE 0 200 400

LENGTH - 3.122 MILES DATED JUNE 30, 1955

COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT STATE	CLASS AND AGREEMENT FEDERAL	FEDERAL DIVISION OFFICE	SHEET NUMBER	TOTAL SHEETS
70.1	37.1	23.5		WIS. 4	4.4	45

PART IV



SCHEDULE OF LAND AND INTEREST REQUIRED

NO.	OWNER	ACRES REQ'D	RODS OF FENCING TO MOVE	RODS OF FENCING TO BUILD	INTEREST REQUIRED
61	ARTHUR P. PLUMMER	1.23	130		HIGHWAY EASEMENT
62	RUDOLPH WILDE	0.09	12		" "

STATE HIGHWAY COMMISSION OF WISCONSIN

PLAT OF RIGHT OF WAY REQUIRED

PROJECT T 037-1 (5)

OSHKOSH – FREMONT ROAD

S.T.H. 110 WINNEBAGO COUNTY

SCALE

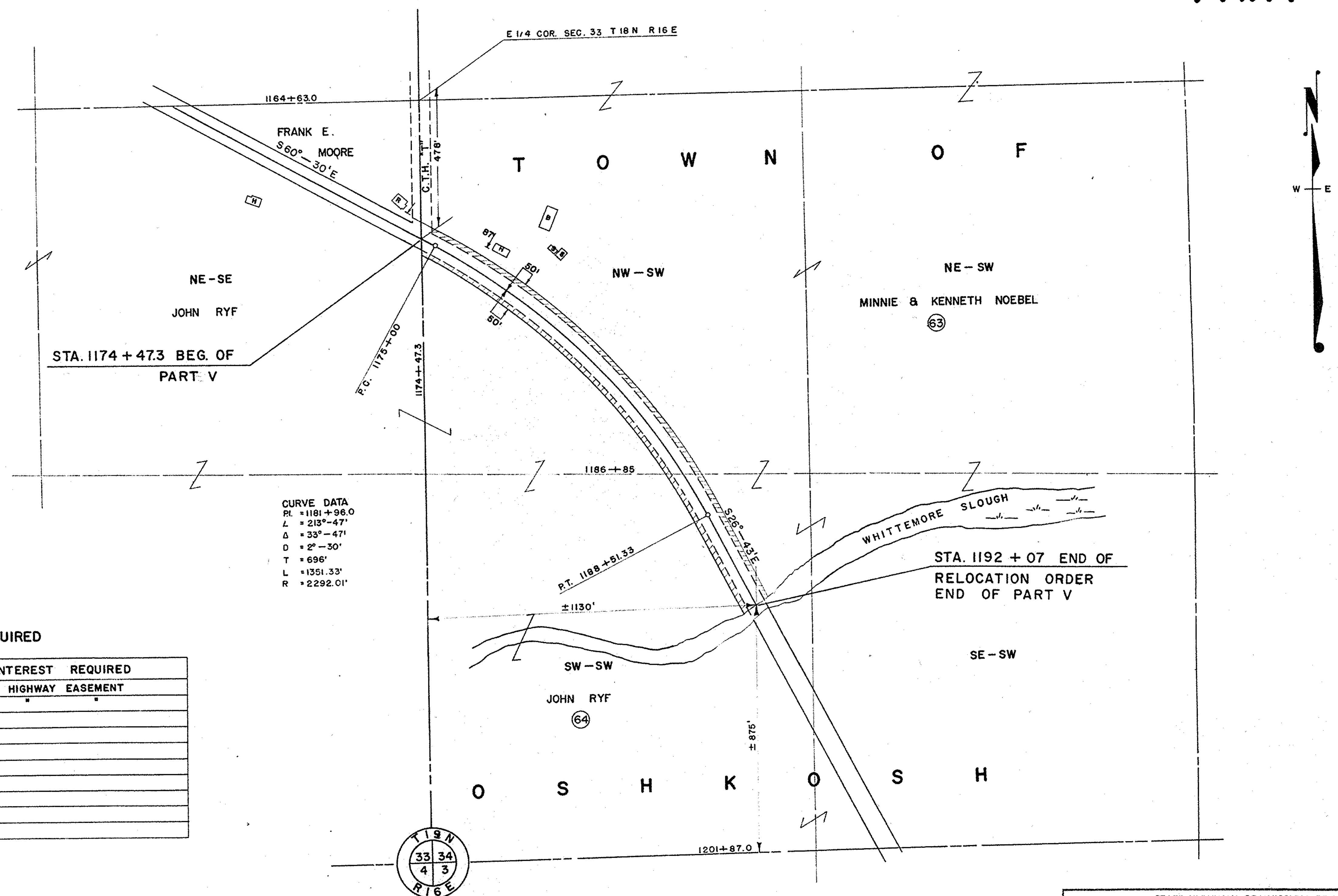
0 100' 200' 400'

LENGTH - 3.122 MILES

DATED JUNE 30, 1955

COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT STATE	CLASS AND AGREEMENT FEDERAL	FEDERAL DIVISION OFFICE	SHEET NUMBER	TOTAL SHEETS
70.1	37.1	23.5		WIS. 4	4.5	45

PART V



SCHDULE OF LAND AND INTEREST REQUIRED

NO.	OWNER	ACRES REQ'D	RODS OF FENCING TO MOVE	RODS OF FENCING TO BUILD	INTEREST REQUIRED
63	MINNIE AND KENNETH NOEBEL	0.68	53		HIGHWAY EASEMENT
64	JOHN RYF	0.90	42		" "

STATE HIGHWAY COMMISSION OF WISCONSIN

PLAT OF RIGHT OF WAY REQUIRED

PROJECT T037-1(5)

OSHKOSH - FREMONT ROAD

S.T.H. 110 WINNEBAGO COUNTY

SCALE 0' 100' 200' 400'

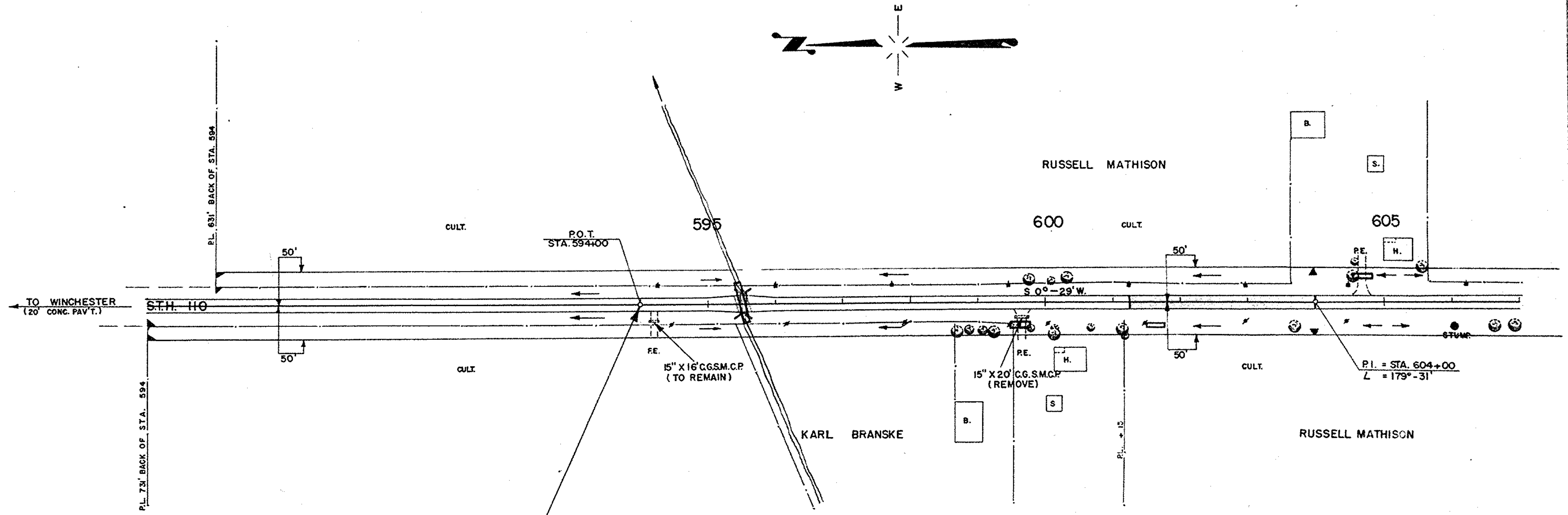
LENGTH = 3.122 MILES

DATED JUNE 30, 1955

B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	T037-1(5)	5	45

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
1	595+60	PT. MK. SE. WINGWALL CONC. CULV. 16' LT.	99.34
2	600+73	SPIKE IN 18" HICKORY 57' RT.	118.53
3	605+54	" " " BOX ELDER 66' LT.	133.18



NET LENGTH OF CENTERLINE		
STATION TO STATION		LIN. FT.
594+00	605+00	1,100

STA. 594+00 BEG. OF GRADING SECTION

GENERAL NOTES

THE EXACT LOCATION OF PRIVATE ENTRANCES AND RIGHT OF WAY MARKERS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

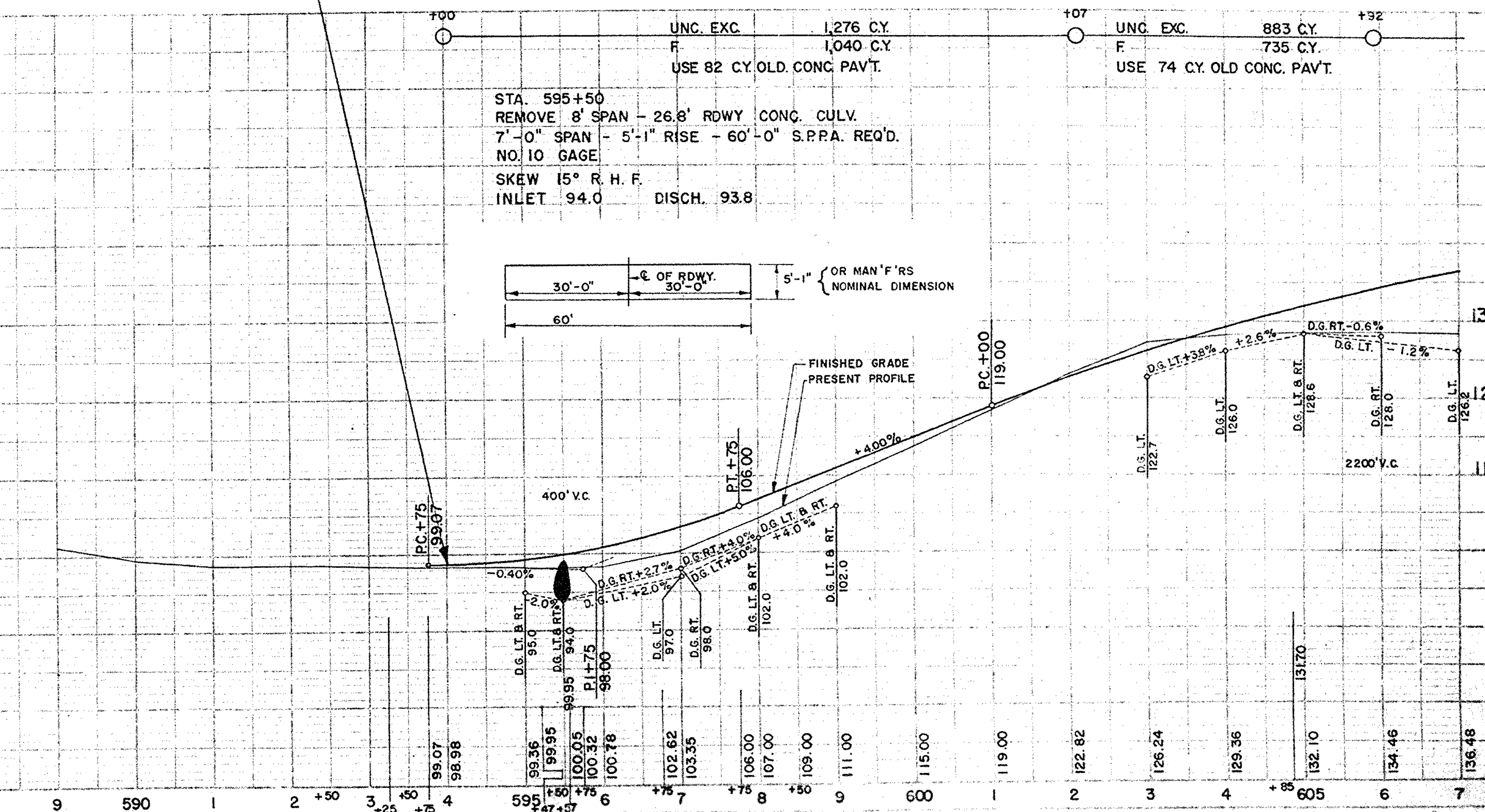
CUBIC YARDS OF FILL AS SHOWN ON PLAN SHEETS PERTAINS TO EMBANKMENT CONSTRUCTED FROM UNC. EXC. AND BORROW, AND WAS COMPUTED WITH A SHRINKAGE ALLOWANCE VARYING FROM 15% TO 35%.

UTILITY COMPANIES SHALL ADJUST OR MOVE ALL PRIVATELY OWNED FACILITIES WHICH INTERFERE WITH THE WORK.

THE ITEM OF "REMOVING PAVEMENT" INCLUDES THE REMOVAL OF ALL BITUMINOUS SURFACING IN PLACE DIRECTLEY THEREON.

LEGEND

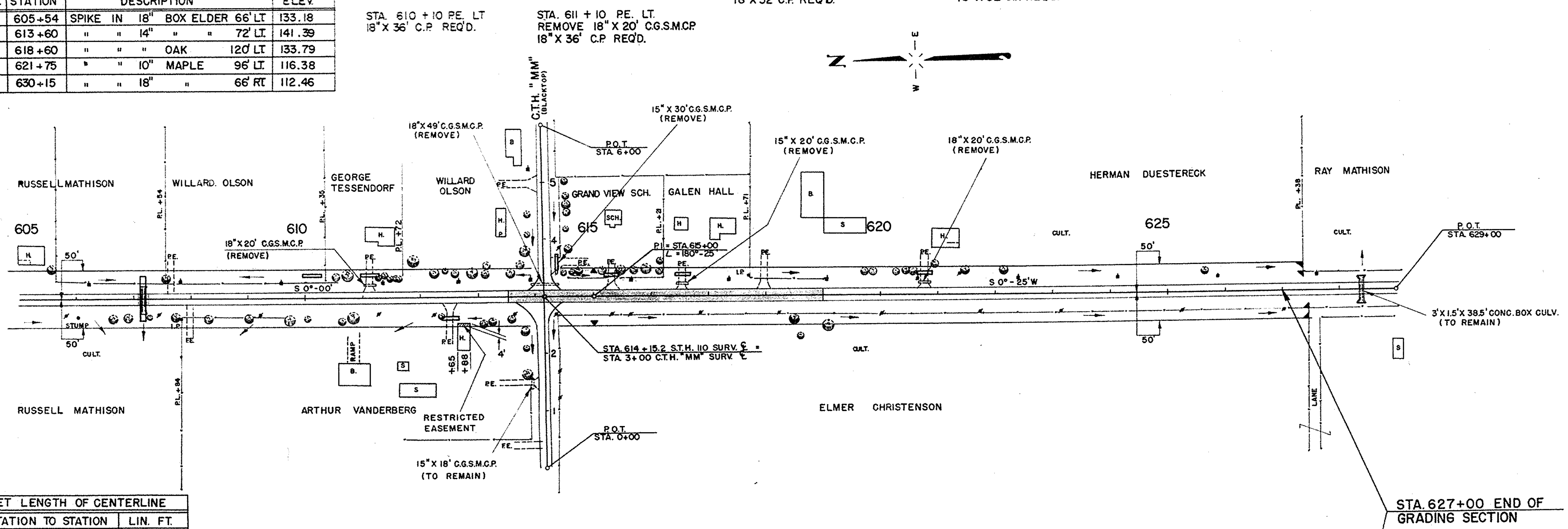
UNC. EXC.	UNCLASSIFIED EXCAVATION
F.	FILL
B.	BORROW
S.P.P.A.	SECTIONAL PLATE PIPE ARCH
C.G.S.M.C.P.	CORR. GALV. SHEET METAL CULV. PIPE
	TELEPHONE POLE
	POWER POLE
D.G.	DITCH GRADE
C.P.	CULVERT PIPE
	CONC. PAV'T. REMOVAL
	OLD ROAD OBLITERATION



D.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	T 037-1(5)	6	45

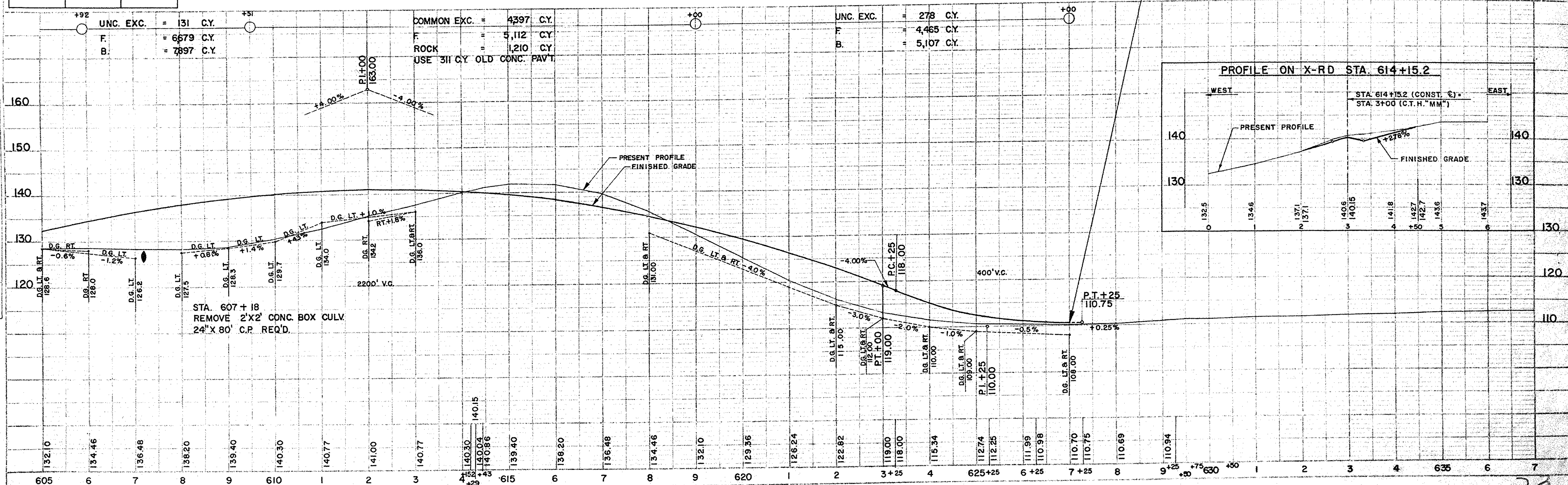
BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
3	605+54	SPIKE IN 18" BOX ELDER 66' LT	133.18
4	613+60	" " 14" " " 72' LT.	141.39
5	618+60	" " " OAK 120' LT	133.79
6	621+75	" " 10" MAPLE 96' LT.	116.38
7	630+15	" " 18" " 66' RT.	112.46



NET LENGTH OF CENTERLINE

STATION TO STATION		LIN. FT.
605 +00	627 +00	2200

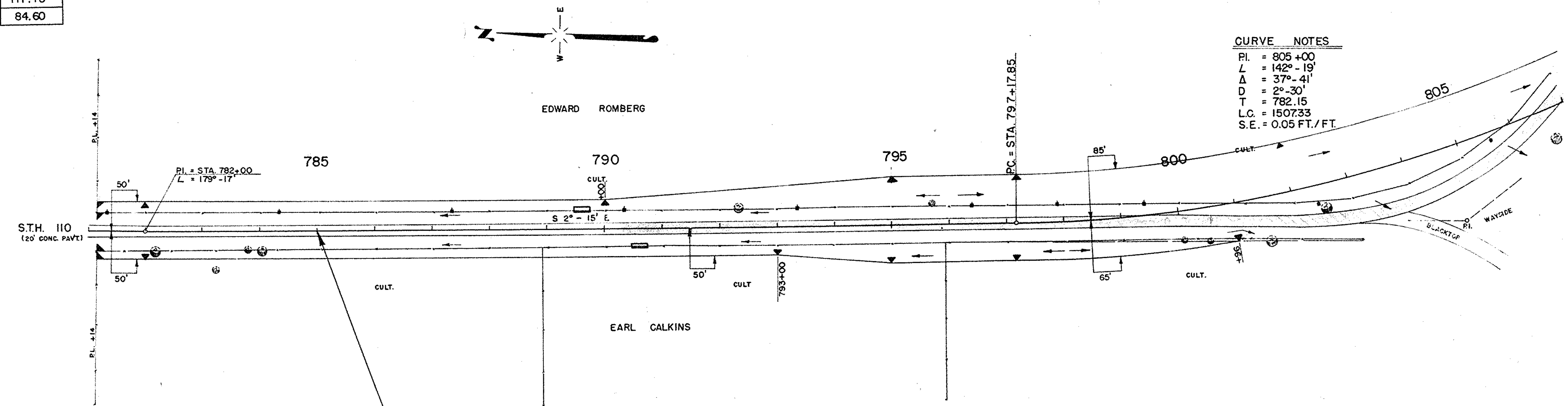


23

STATE PROJECT	/PROJECT	SHEET NUMBER	TOTAL SHEETS
	T 037-1 (5)	7	45

BENCH MARKS

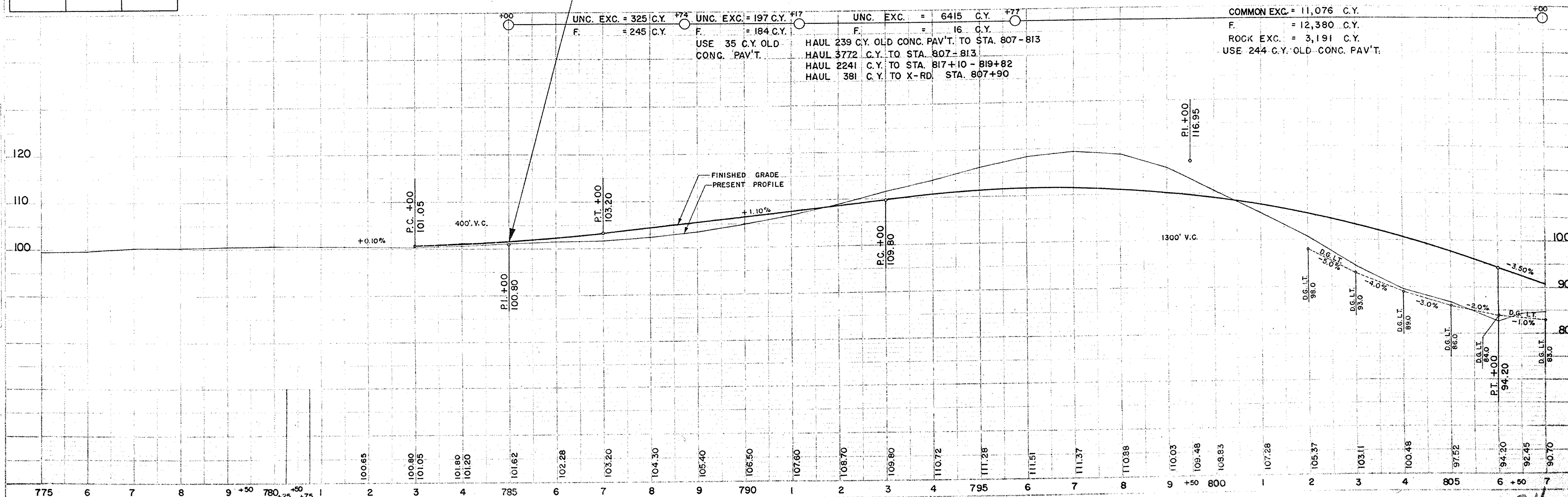
NO.	STATION	DESCRIPTION				ELEV.
1	783+25	SPIKE IN	36"	ELM	60' RT.	100.00
2	792+35	" "	24"	"	25' LT.	108.49
3	795+95	" "	22"	"	140' RT.	118.09
4	800+00	" "	18"	CHERRY	44' RT.	111.10
5	804+50	" "	5"	MAPLE	120' RT.	84.60



NET LENGTH OF CENTERLINE

STATION	TO STATION	LIN. FT.
785+00	805+00	2000

STA 785+00 BEG. OF GRADING SECTION

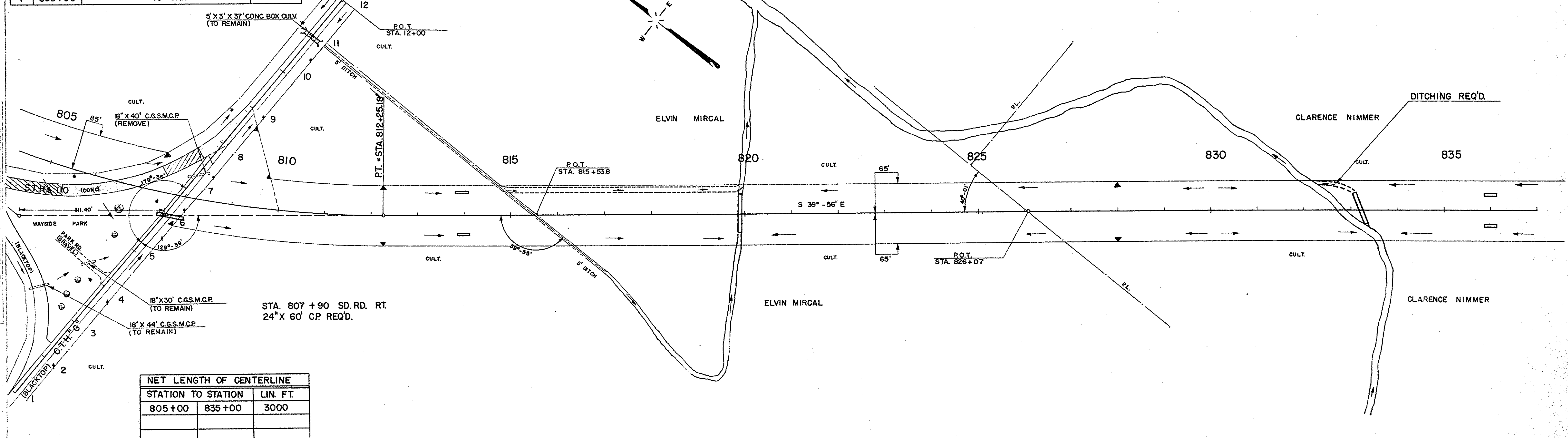


24

S.F.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	T 037-1 (5)	8	45

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
6	825+40	SPIKE IN 30" WILLOW 172' LT.	73.00
7	836+00	" " 40" OAK 200' LT.	84.26



NET LENGTH OF CENTERLINE

STATION	TO STATION	LIN. FT.
805+00	835+00	3000

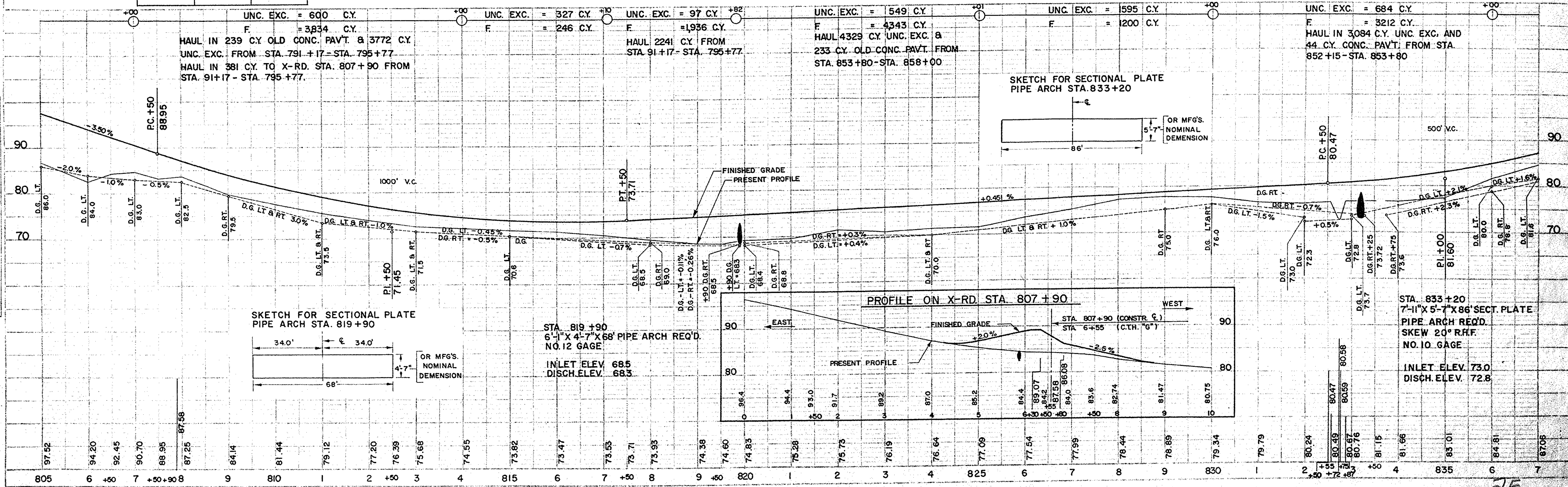


PLATE 1—PLAN PROFILE

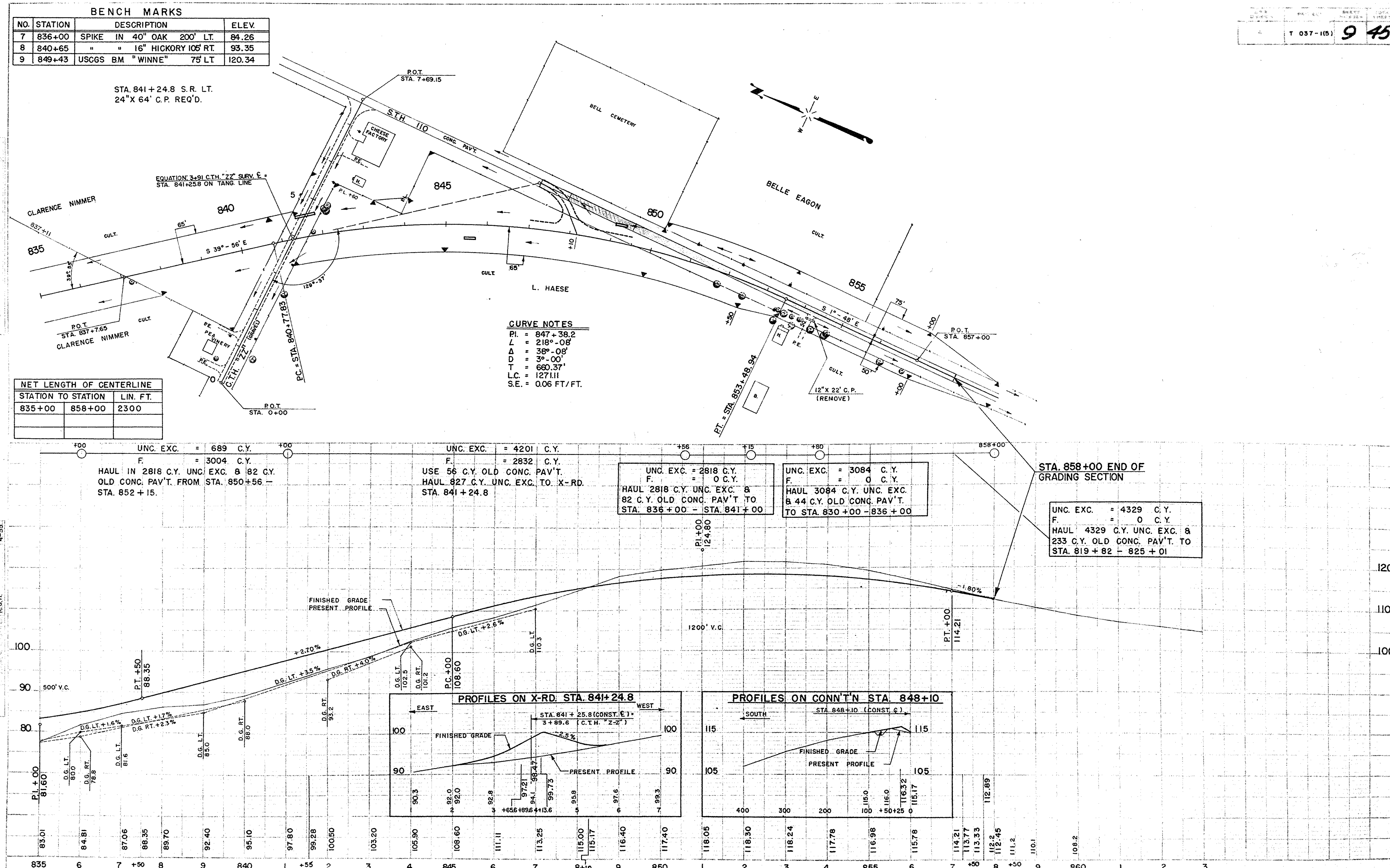
T 037-1(5) 9 45

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
7	836+00	SPIKE IN 40" OAK 200' LT.	84.26
8	840+65	" " 16" HICKORY 105' RT.	93.35
9	849+43	USCGS B.M. "WINNE" 75' LT.	120.34

NET LENGTH OF CENTERLINE

STATION TO STATION		LIN. FT.
835+00	858+00	2300

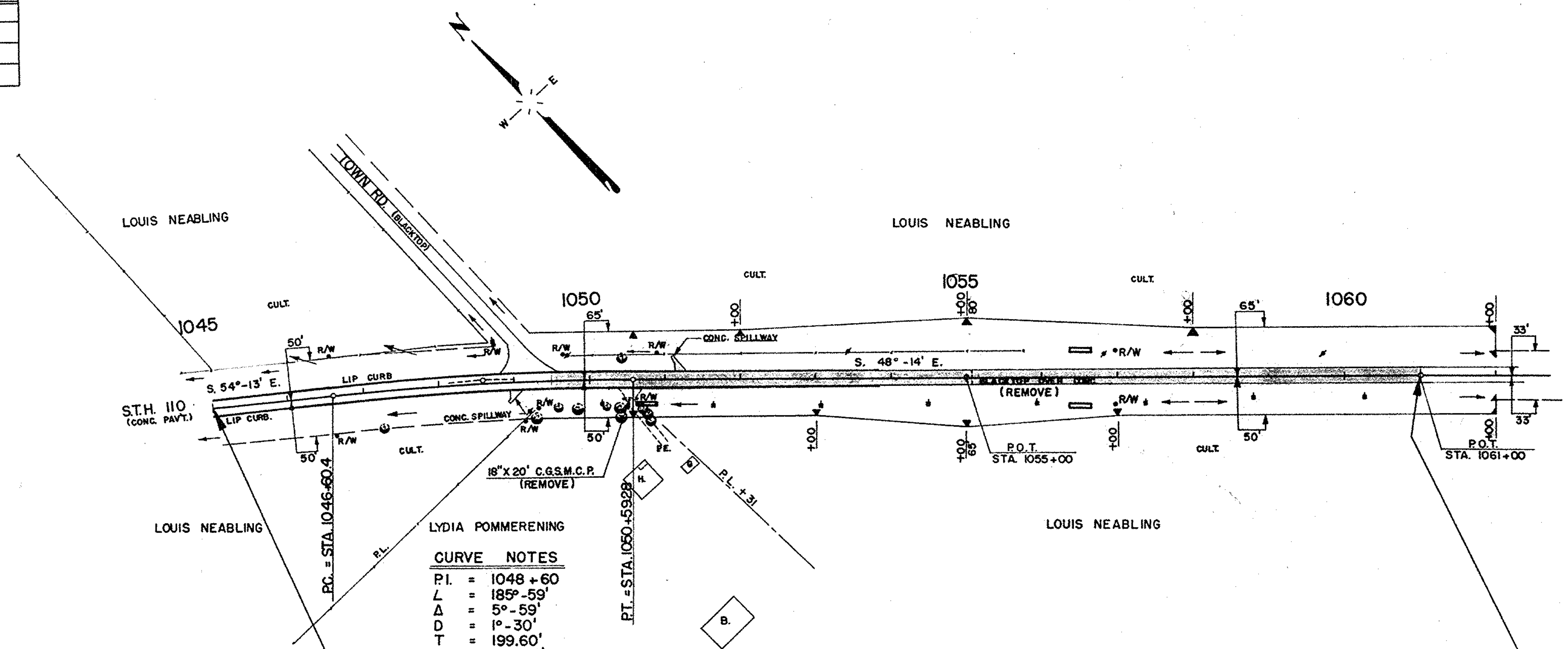


86

S.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	T 037-1(5)	10	45

BENCH MARKS

NO.	STATION	DESCRIPTION		ELEV.
1	1034+68	PT. MK. ON SE. COR. CURB BRIDGE	20' LT.	93.08
2	1048+25	SPIKE IN 14" ELM	140' RT.	122.74
3	1051+94	" " 10" HICKORY	60' RT.	134.27
4	1058+90	" "	30' RT.	141.51



CURVE NOTES

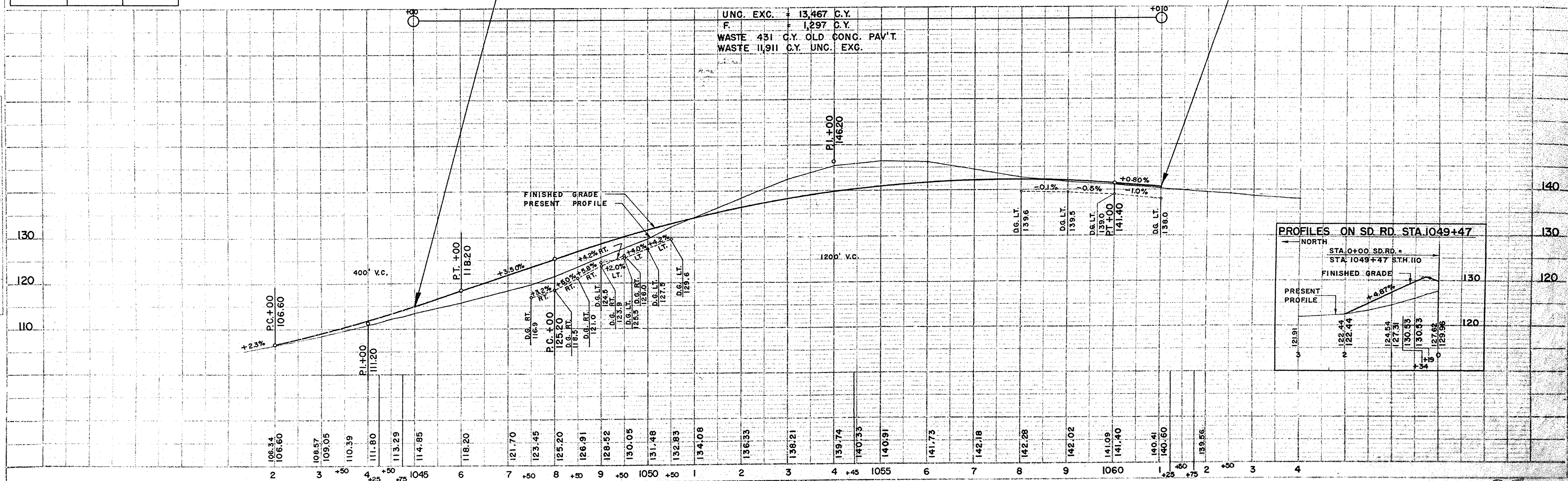
P.I. = 1048+60
∠ = 185°-59'
Δ = 5°-59'
D = 1°-30'
T = 199.60'
L.C. = 398.88'
S.E. = 0.03 FT./FT.

NET LENGTH OF CENTERLINE		
STATION TO STATION		LIN. FT.
1045+00	1061+00	1600

STA. 1045+00 BEG. OF GRADING SECTION

STA. 1061+00 END OF GRADING SECTION

UNC. EXC. = 13,467 C.Y.
F. = 1,297 C.Y.
WASTE 431 C.Y. OLD CONC. PAV'T.
WASTE 11,911 C.Y. UNC. EXC.

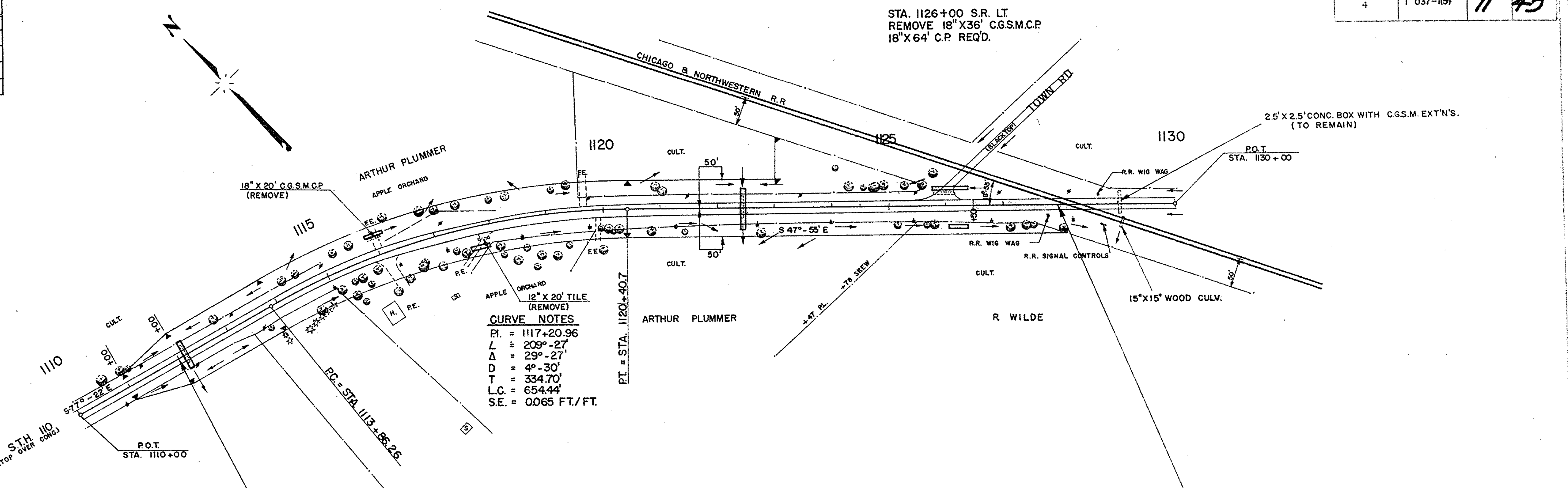


27

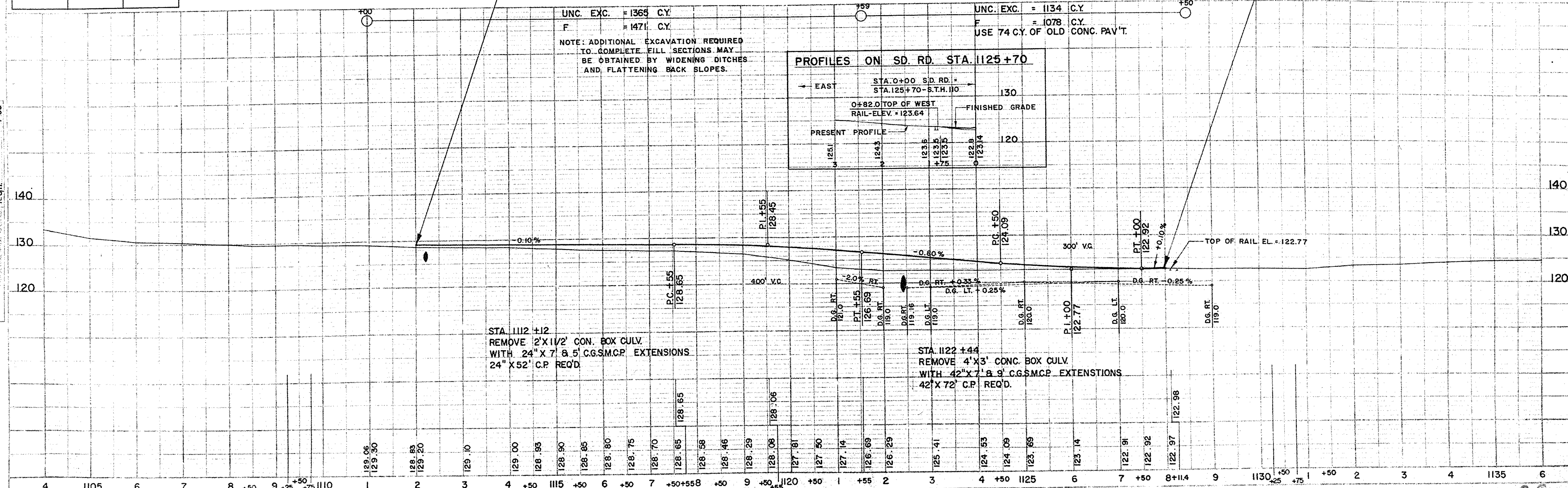
D.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	T 037-1(5)	11	45

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
1	1110+64	SPIKE IN 24" OAK 25' LT.	103.39
2	1116+05	" " 20" MAPLE 65' RT.	128.19
3	1120+04	" " 14" HICKORY 58' RT.	123.70
4	1124+04	" " 12" " 62' LT.	123.76
5	1130+67	" " 14" " 29' RT.	121.99



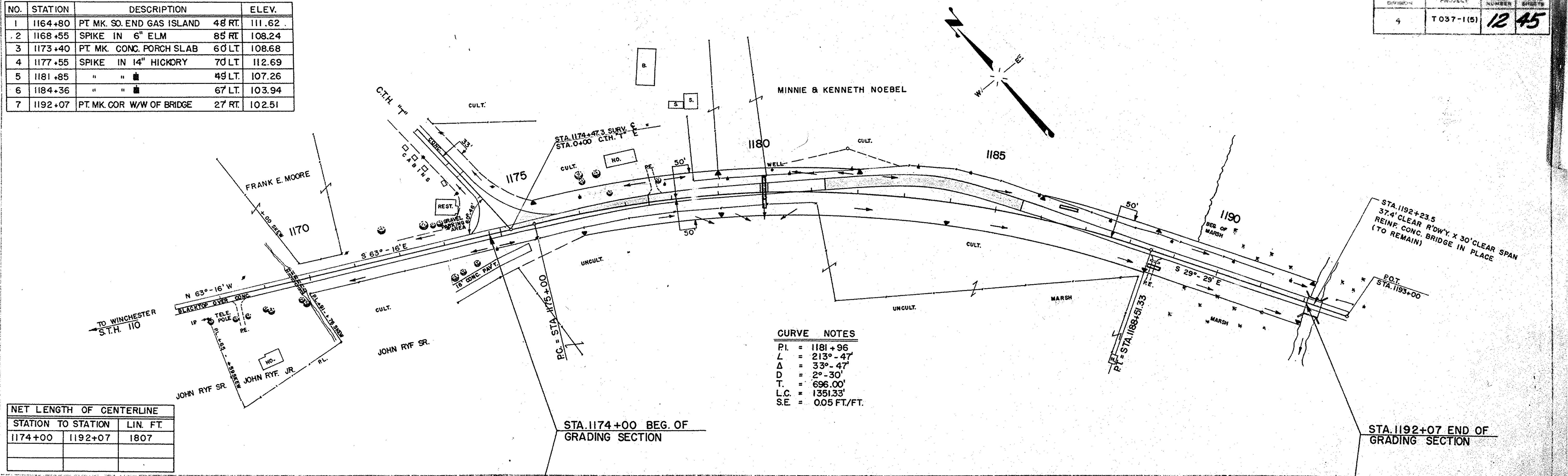
NET LENGTH OF CENTERLINE		
STATION	TO STATION	LIN. FT.
1112+00	1127+98.61	1598.61



F.A.P. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	T037-1(5)	12	45

BENCH MARKS

NO.	STATION	DESCRIPTION		ELEV.
1	1164+80	PT. MK. SO. END GAS ISLAND	48' RT.	111.62
2	1168+55	SPIKE IN 6" ELM	85' RT.	108.24
3	1173+40	PT. MK. CONC. PORCH SLAB	60' LT.	108.68
4	1177+55	SPIKE IN 14" HICKORY	70' LT.	112.69
5	1181+85	" "	49' LT.	107.26
6	1184+36	" "	67' LT.	103.94
7	1192+07	PT. MK. COR. W/W OF BRIDGE	27' RT.	102.51



CURVE NOTES

P.I. = 1181+96
L = 213°-47'
Δ = 33°-47'
D = 2°-30'
T. = 696.00'
L.C. = 1351.33'
S.E. = 0.05 FT./FT.

NET LENGTH OF CENTERLINE

STATION	TO STATION	LIN. FT.
1174+00	1192+07	1807

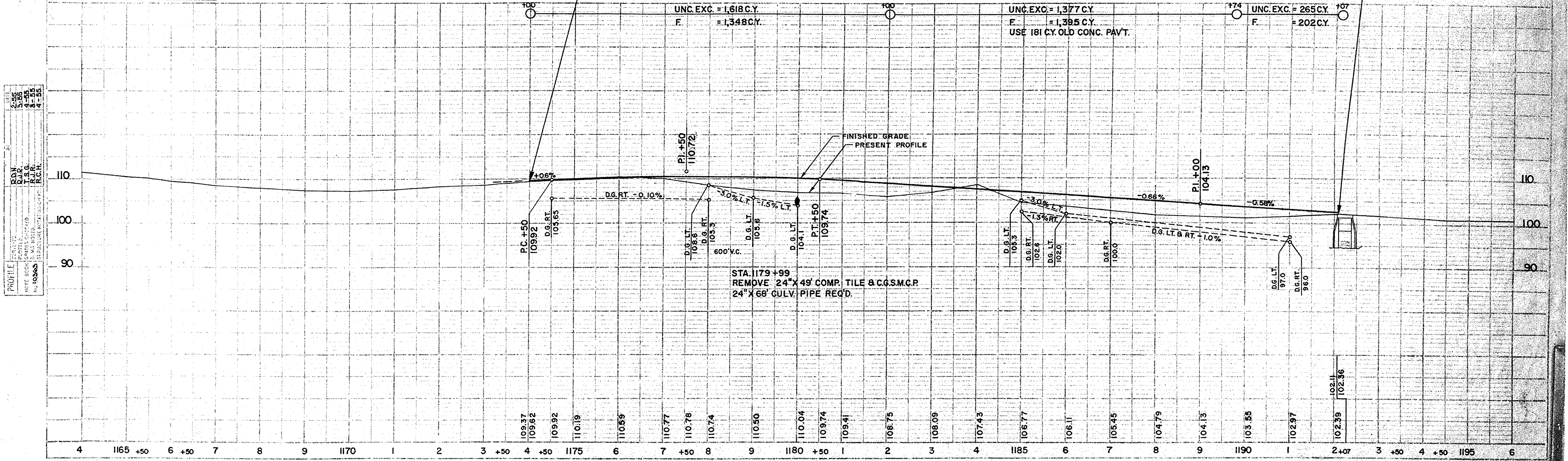
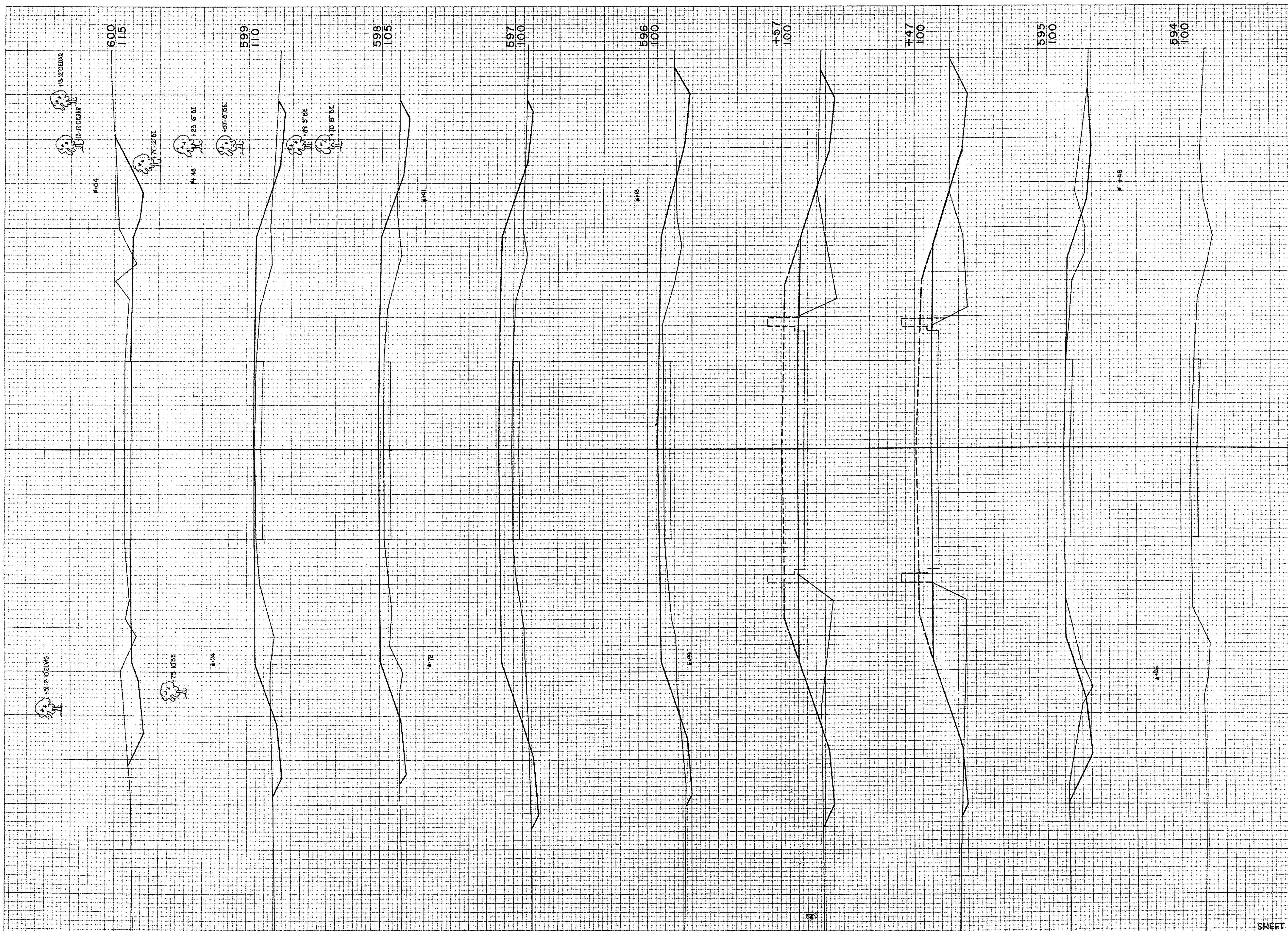


PLATE 3 - PLAN-PROFILE

29

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	T 037-1 (5)	23	45

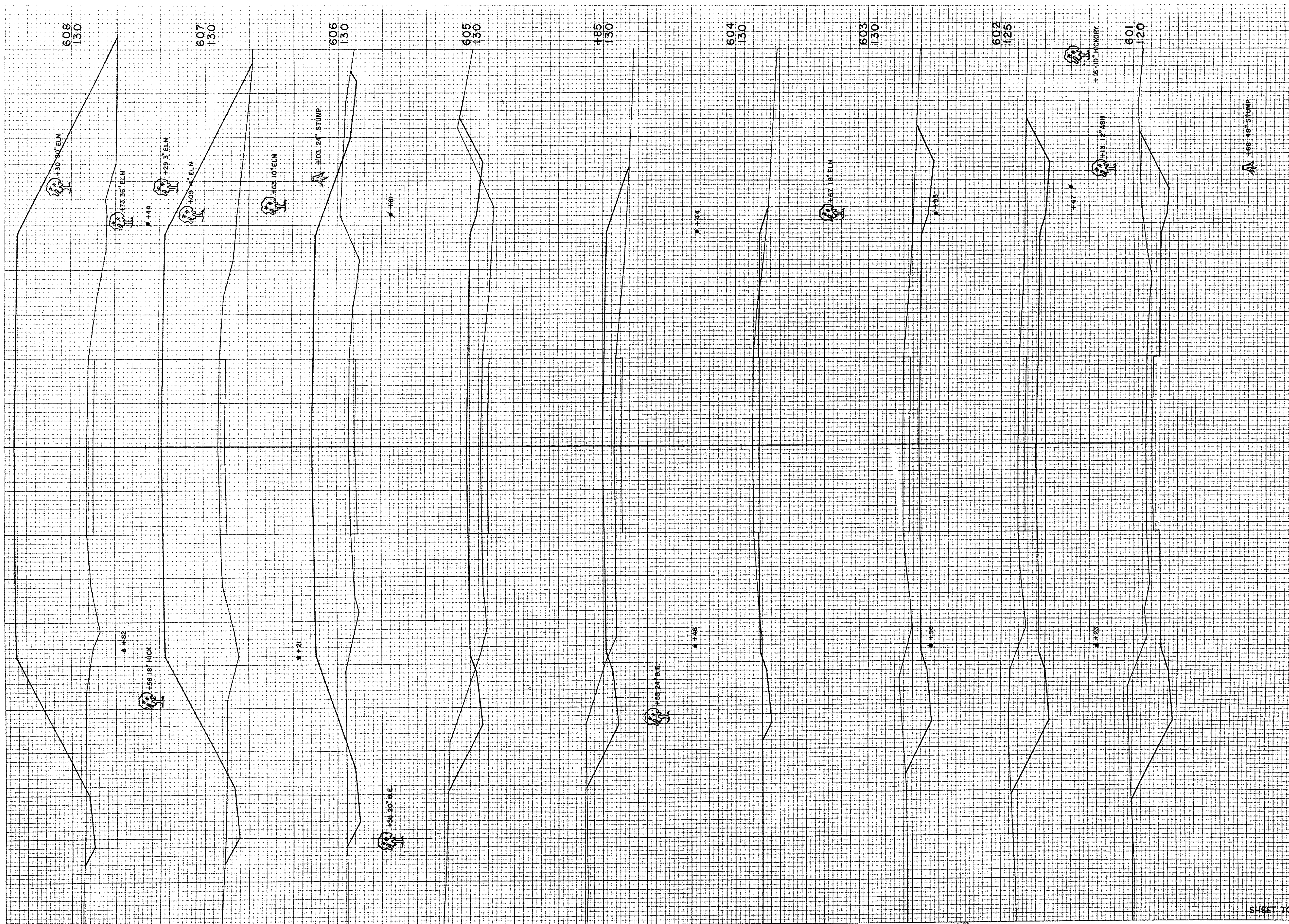


STATION	DISTANCE	YARDAGE EXCAVATION UNCL.				FILL
594						
		46				40
595						
		39				98
+47						
+57						
		28				109
596						
		41				274
597						
		35				267
598						
		41				176
599						
		120				74
600						
SHEET TOTAL		350				1,038

FINAL SURVEY — NOTE BOOK NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY		BY	DATE
NOTE BOOK NO. 10361	SURVEYED	R. D. N.	2 - 55
	PLOTTED	G. E. K.	3 - 55
	TEMPLATE	T. S. G.	"
	AREAS	T. S. G.	"
	AREAS CHECKED	M. E. P.	

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	T 0374 (5)	24	45

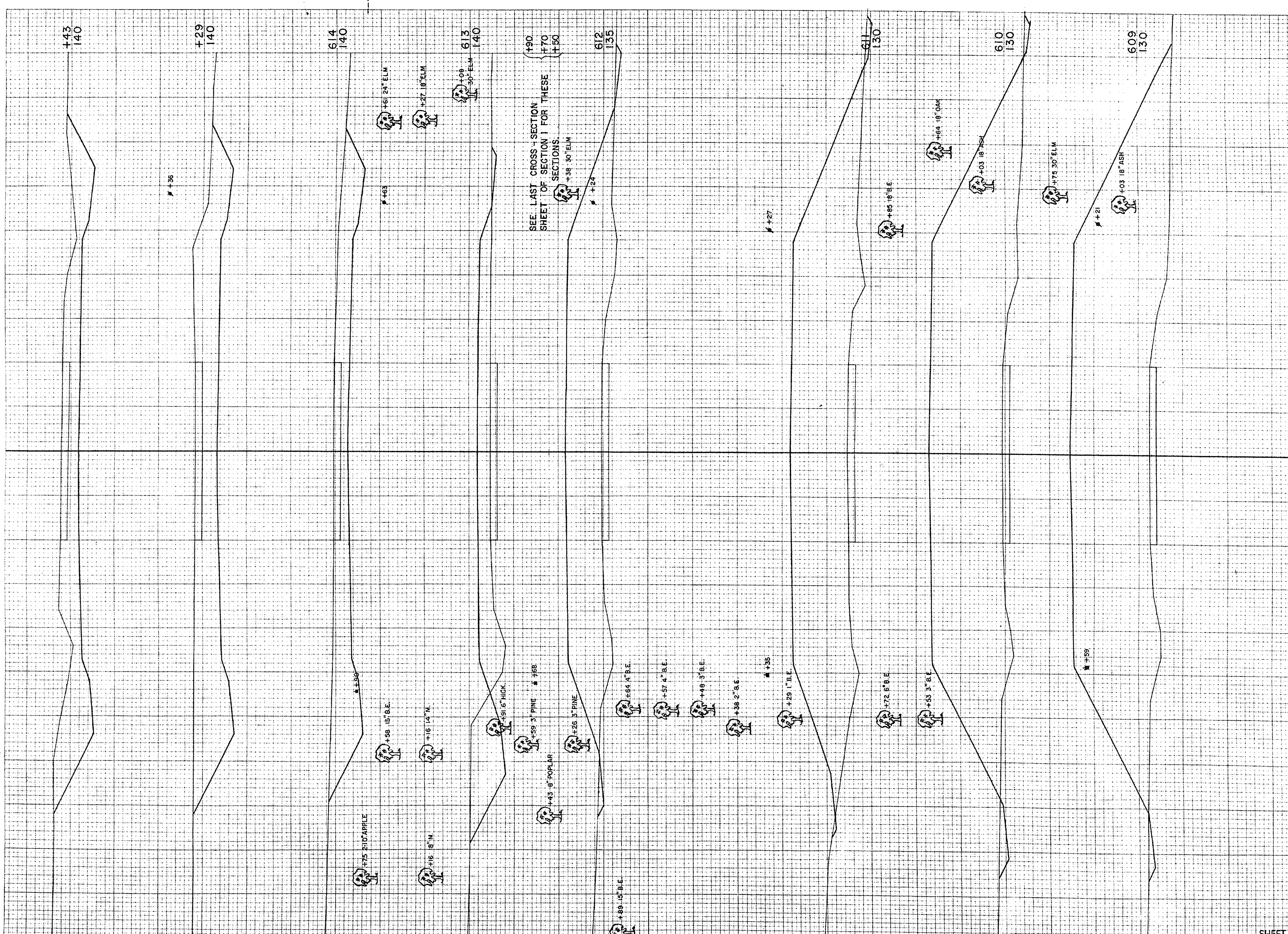


STATION	DISTANCE	YARDAGE EXCAVATION UNCL.	FILL
600			
		352	2
601			
		539	0
602			
		498	0
603			
		243	7
604			
		74	122
+85			
		17	46
605			
		94	609
606			
		65	1,274
607			
		32	1,935
608			
SHEET TOTAL		1,914	3,995

ORIGINAL SURVEY	BY	DATE
SURVEYED	R. D. N.	2-55
PLOTTED	R. E. K.	3-55
TEMPLATE	J. S. G.	"
AREAS	J. S. G.	"
AREAS CHECKED	M. E. P.	"
NOTE BOOK NO. 10361		

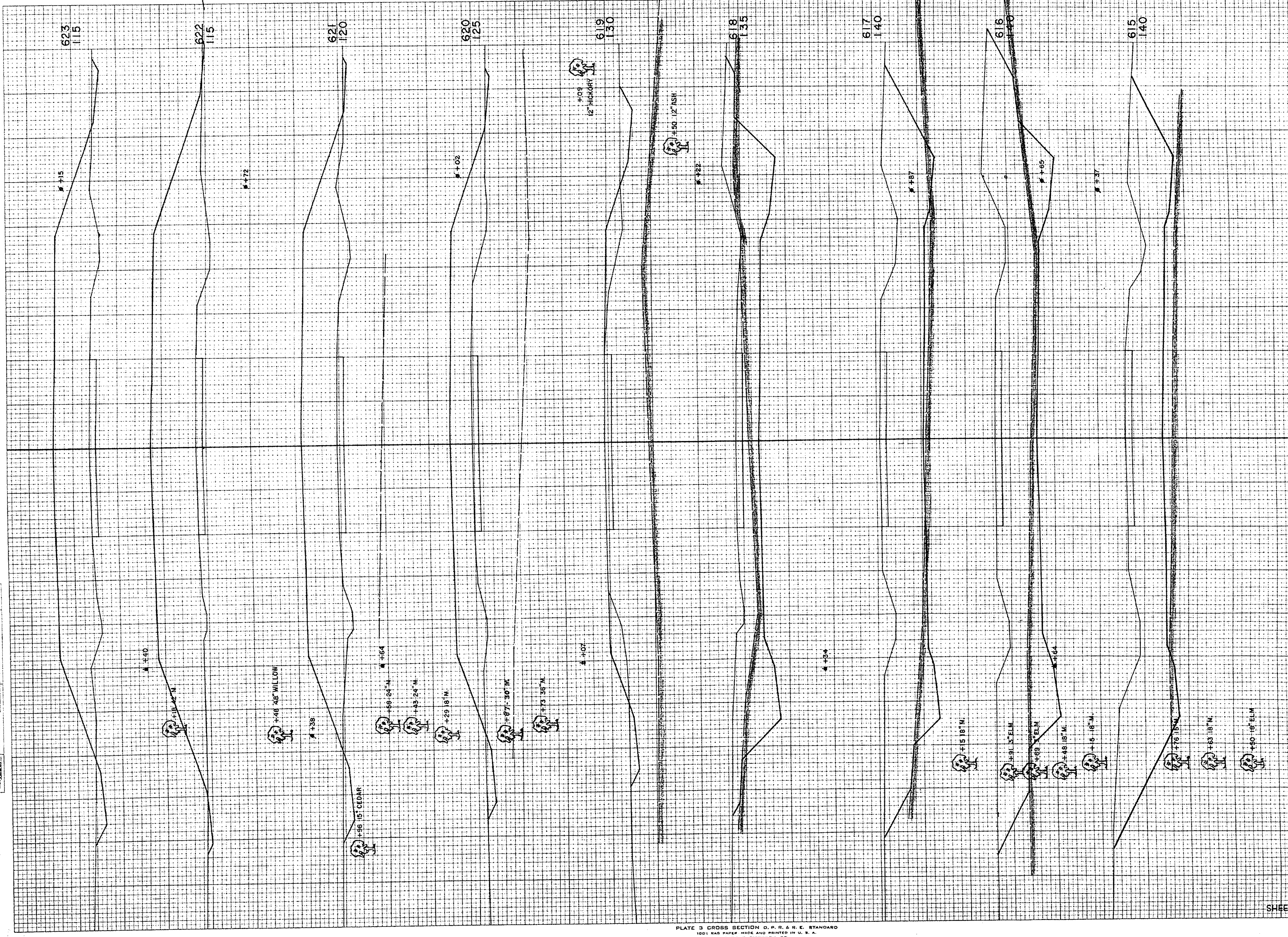
FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK NO.		

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	T 037-1 (5)	25	45



STATION	DISTANCE	YARDAGE EXCAVATION UNCL.	COMMON		FILL
608					
		17			2,280
609					
		9	8		2,237
610					
		~~13~~	13		1,867
611					
		~~7~~	7		1,306
612					
		~~83~~	83		641
613					
		~~315~~	315		148
614					
		~~176~~	176		0
+29					
		~~87~~	87		0
+43					
SHEET TOTAL		26	689		8,479

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	T 037-1 (5)	26	45



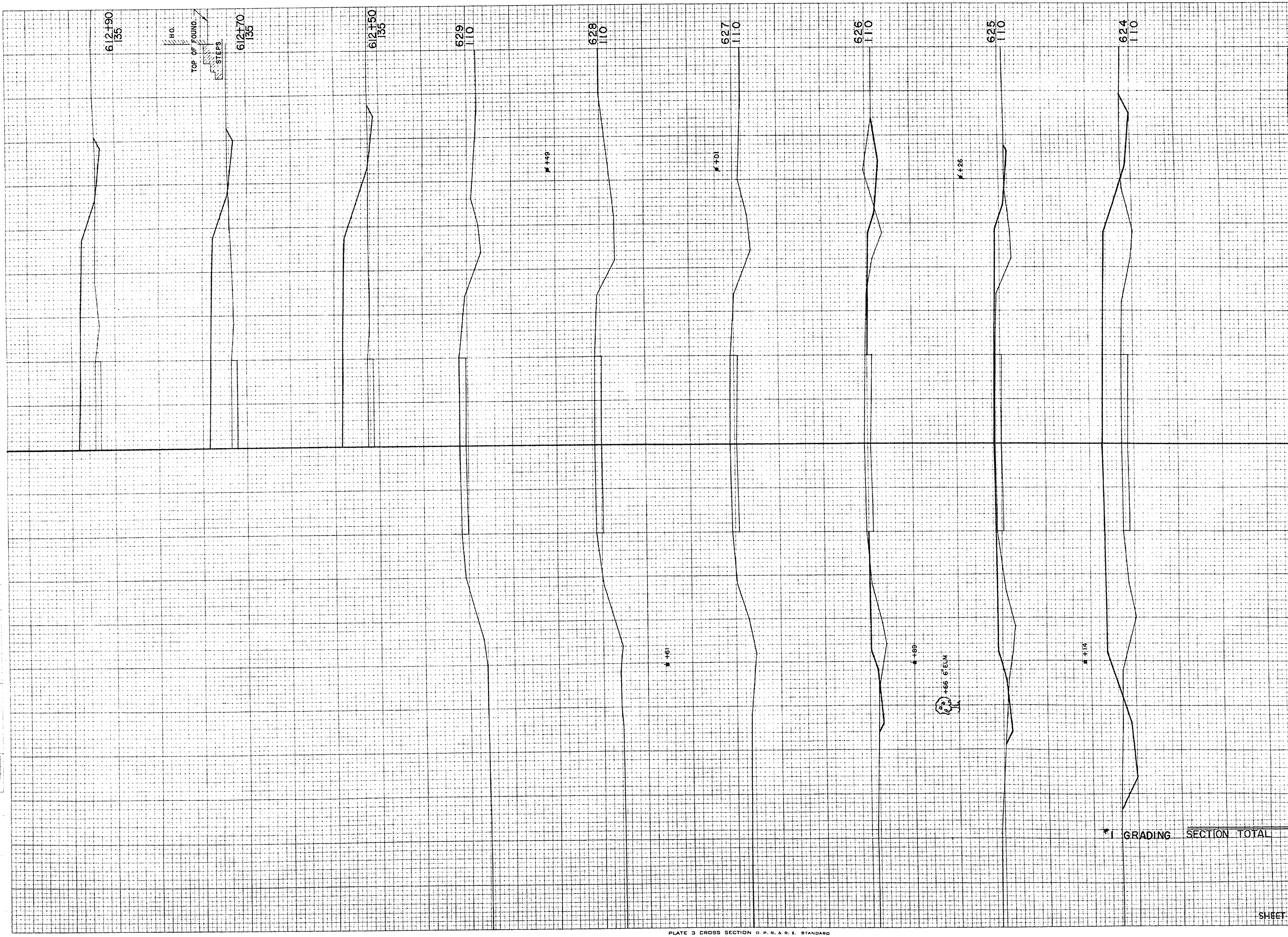
STATION	DISTANCE	YARDAGE – EXCAVATION – UNCL.	ROCK	COMMON		FILL
+43						
		~~478~~	6	478		0
615						
		~~1,139~~	252	1,139		0
616						
		~~1,163~~	298	1,163		0
617						
		~~750~~	356	750		0
618						
		~~178~~	298	178		54
619						
		46				356
620						
		37				772
621						
		26				1,102
622						
		24				1,094
623						
SHEET TOTAL		133	1,210	3,708		3,378

ORIGINAL SURVEY		BY	DATE
NOTE BOOK NO. 10361	SURVEYED	R. D. N.	2-55
	PLOTTED	G. E. K.	3-55
	TEMPLATE	T. S. G.	3-55
	AREAS		"
	AREAS CHECKED	M. E. P.	"

FINAL SURVEY		BY	DATE
NOTE BOOK NO.	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

33

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	T 037-1 (5)	27	45



STATION	DISTANCE	YARDAGE — EXCAVATION — UNCL.	ROCK	COMMON		FILL
623						
		56				702
624						
		43				306
625						
		26				100
626						
		20				33
627						
628						
629						
*1 GRADING SECTION TOTAL		2,568	1,210	4,397		18,031
SHEET TOTAL		145				1,141

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK NO.		

ORIGINAL SURVEY	BY	DATE
SURVEYED	R. O. N.	2-55
PLOTTED	G. E. K.	3-55
TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK NO. 10361		

PLATE 3 CROSS SECTION B. P. R. & R. E. STANDARD
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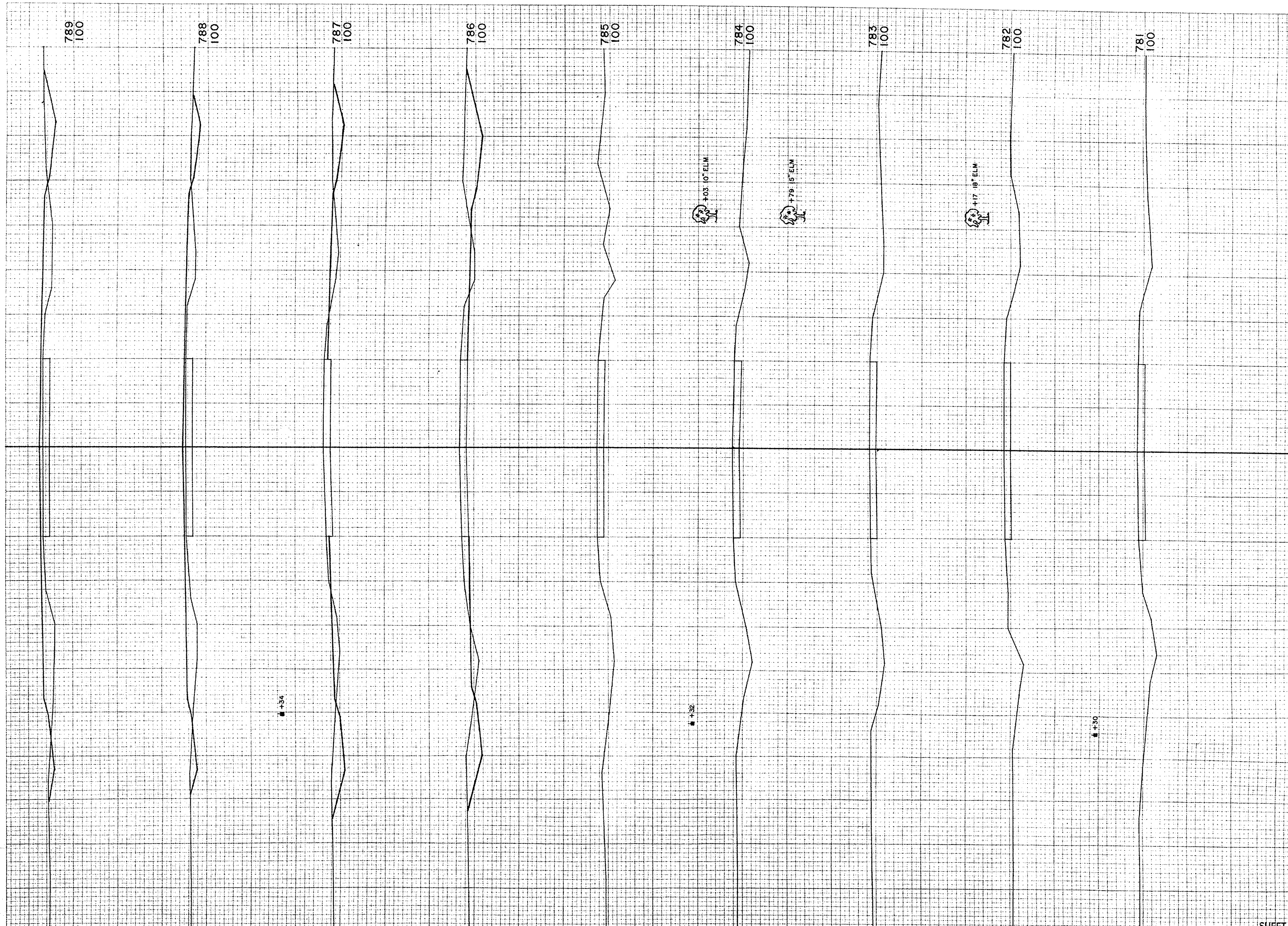
ORIGINAL SURVEY	BY	DATE
SURVEYED	R. D. N.	2-55
PLOTTED	G. E. K.	3-55
TEMPLATE		
AREAS		
AREAS CHECKED		

NOTE BOOK NO. 10361

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

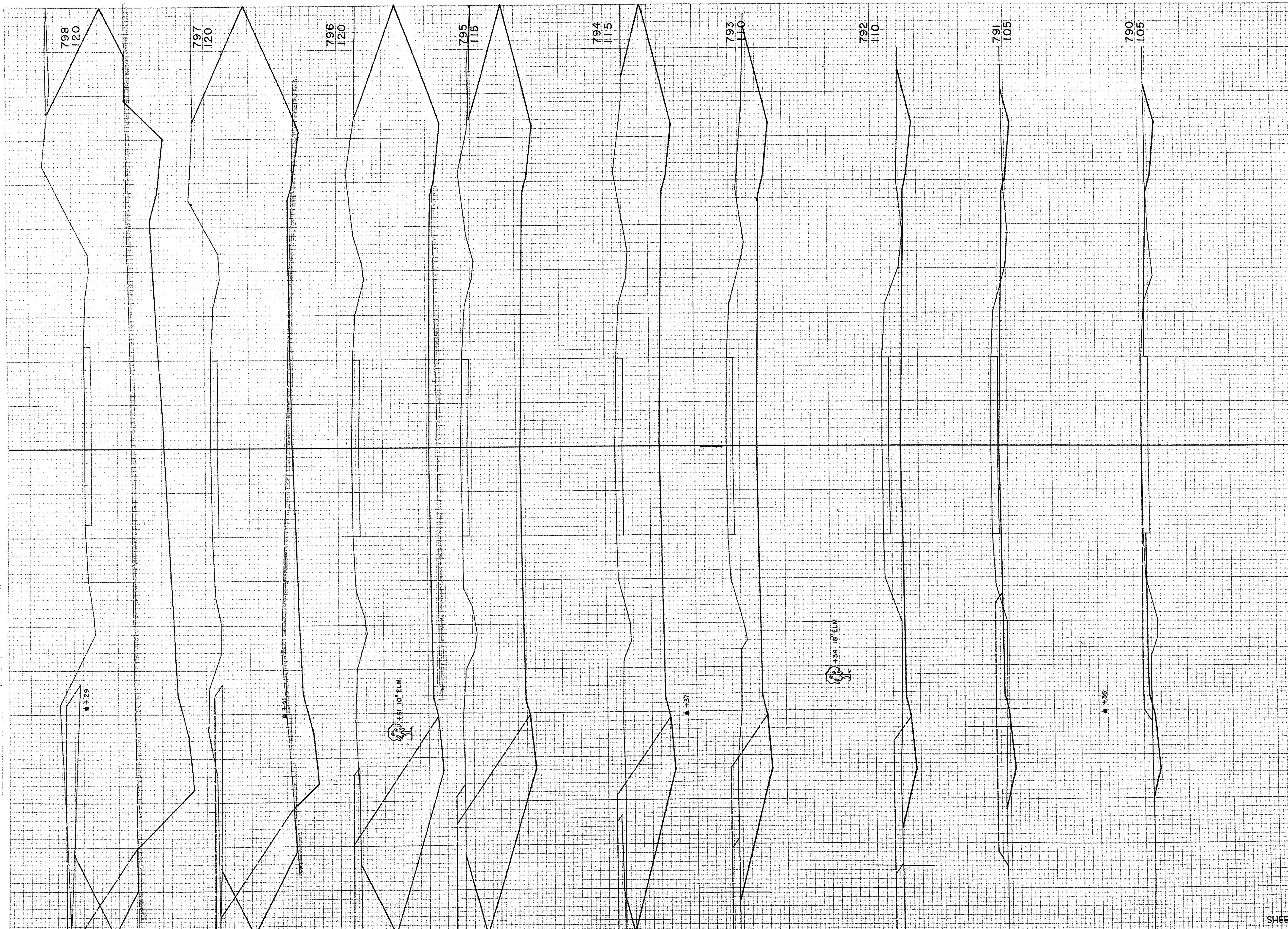
NOTE BOOK NO.



B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	T 037-1 (5)	28	45

STATION	DISTANCE	YARDAGE				
		EXCAVATION				
		UNCL.				FILL
785						
		83				15
786						
		135				41
787						
		74				89
788						
		44				135
789						
SHEET TOTAL		336				280

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	T 037-1 (5)	29	45



STATION	DISTANCE	YARDAGE – EXCAVATION – UNCL.	COMMON	ROCK EXC.		FILL
789						
		57				100
790						
		89				46
791						
		233				19
792						
		639				0
793						
		1,300				0
794						
		2,080				0
795						
		2,203	658			0
796						
			3,550	128		0
797						
			3,300	915		0
798						
SHEET TOTAL		6,601	7,508	1,043		165

FINAL SURVEY

ORIGINAL SURVEY — NOTE BOOK NO. 10361

PLATE 3 CROSS SECTION D.P.R. & R.E. STANDARD
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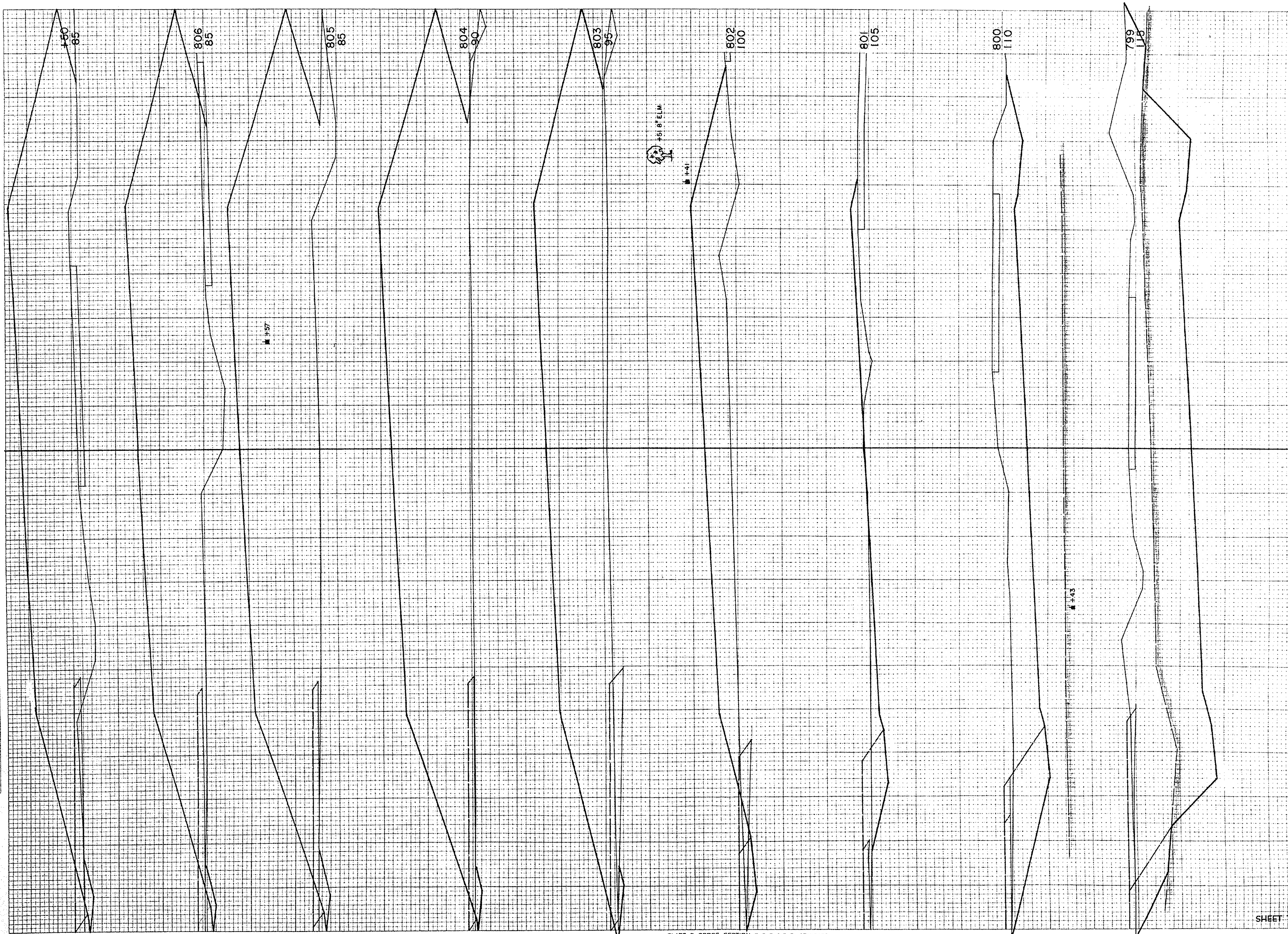
B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	T 037-1 (5)	30	95

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED	R. D. N.	2 - 55
NO. 10361	PLOTTED	G. E. K.	3 - 55
	TEMPLATE	M. E. P.	"
	AREAS	M. E. P.	"
	AREAS CHECKED	T. S. G.	

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		



STATION	DISTANCE	YARDAGE				
		EXCAVATION				
		UNCL.	COMMON	ROCK EXC.		FILL
798						
		~~1,865~~	1,865	1,404		0
799						
		~~954~~	954	744		0
800						
		~~526~~	526			35
801						
		~~89~~	89			444
802						
		~~32~~	32			1,598
803						
		~~17~~	17			2,671
804						
		~~24~~	24			2,943
805						
		~~35~~	35			2,689
806						
		~~19~~	19			1,113
+50						
SHEET TOTAL		~~3,561~~	3,561	2,148		11,493

PLATE 3 CROSS SECTION O.P.R. & R.E. STANDARD
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B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	T 037-1 (5)	31	45

STATION	DISTANCE	YARDAGE: EXCAVATION: UNCL.	COMMON			FILL
806 +50						
		~~7~~	7			887
807						
		2				672
+50						
		11				459
808						
		26				709
809						
		59				596
810						
		143				456
811						
		150				409
812						
		111				333
813						
		98				200
814						
SHEET TOTAL		600	7			4,721

FINAL SURVEY
NOTE BOOK
NO.
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED

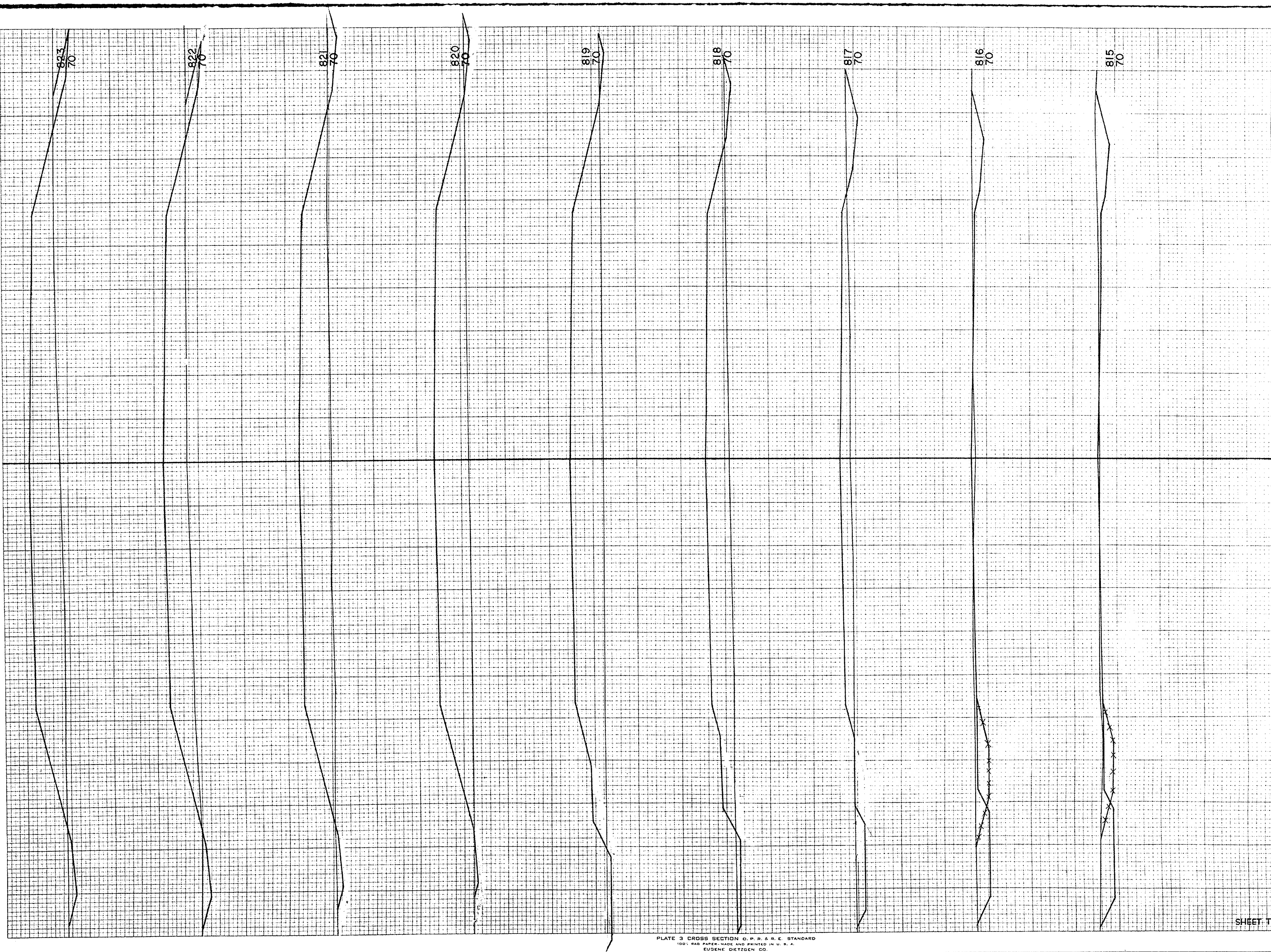
ORIGINAL SURVEY
NOTE BOOK
NO. 10361

	BY	DATE
SURVEYED	R. D. N.	2-55
PLOTTED	G. E. K.	3-55
TEMPLATE	M.E.P.	"
AREAS	M.E.P.	"
AREAS CHECKED	T.S.G.	

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	T 037-1 (5)	52	45

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED	R. D. N.	2-55
NO. 10361	PLOTTED	G. E. K.	3-55
	TEMPLATE	M. E. P.	"
	AREAS	M. E. P.	"
	AREAS CHECKED	T. S. G.	



STATION	DISTANCE	YARDAGE EXCAVATION UNCL.				FILL
814						
		107				57
815						
		119				15
816						
		96				132
817						
		46				415
818						
		18				770
819						
		46				967
820						
		82				930
821						
		124				767
822						
		132				746
823						
SHEET TOTAL		770				4,799

PLATE 3 CROSS SECTION D. P. R. & R. E. STANDARD
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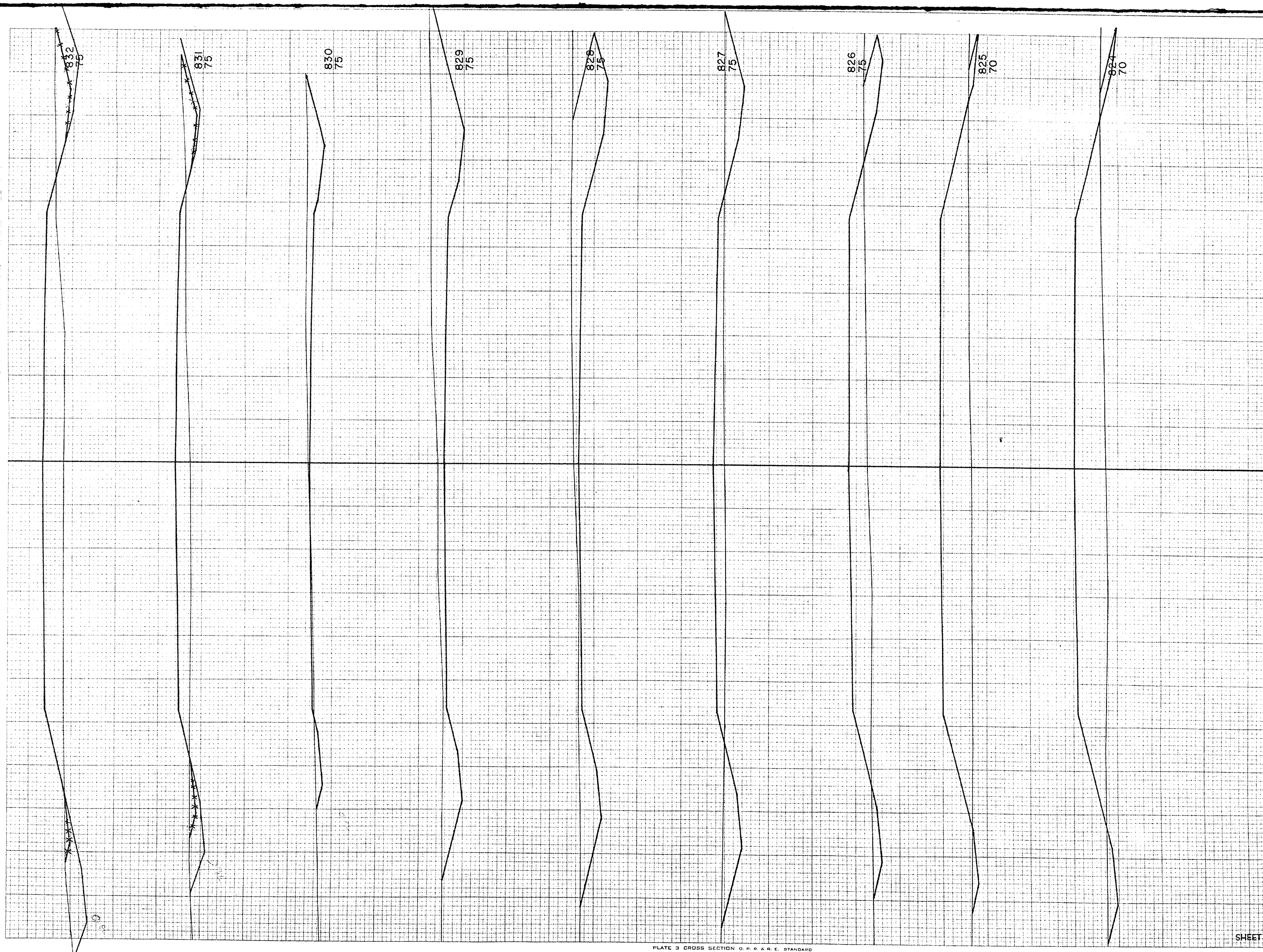
EUGENE DIETZGEN CO.

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	T 037-1 (5)	33	45

ORIGINAL SURVEY
NOTE BOOK NO. 10361
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
R.D.N. 2-55
G.E.K. 3-55
M.E.P.
M.E.P.
T.S.G.

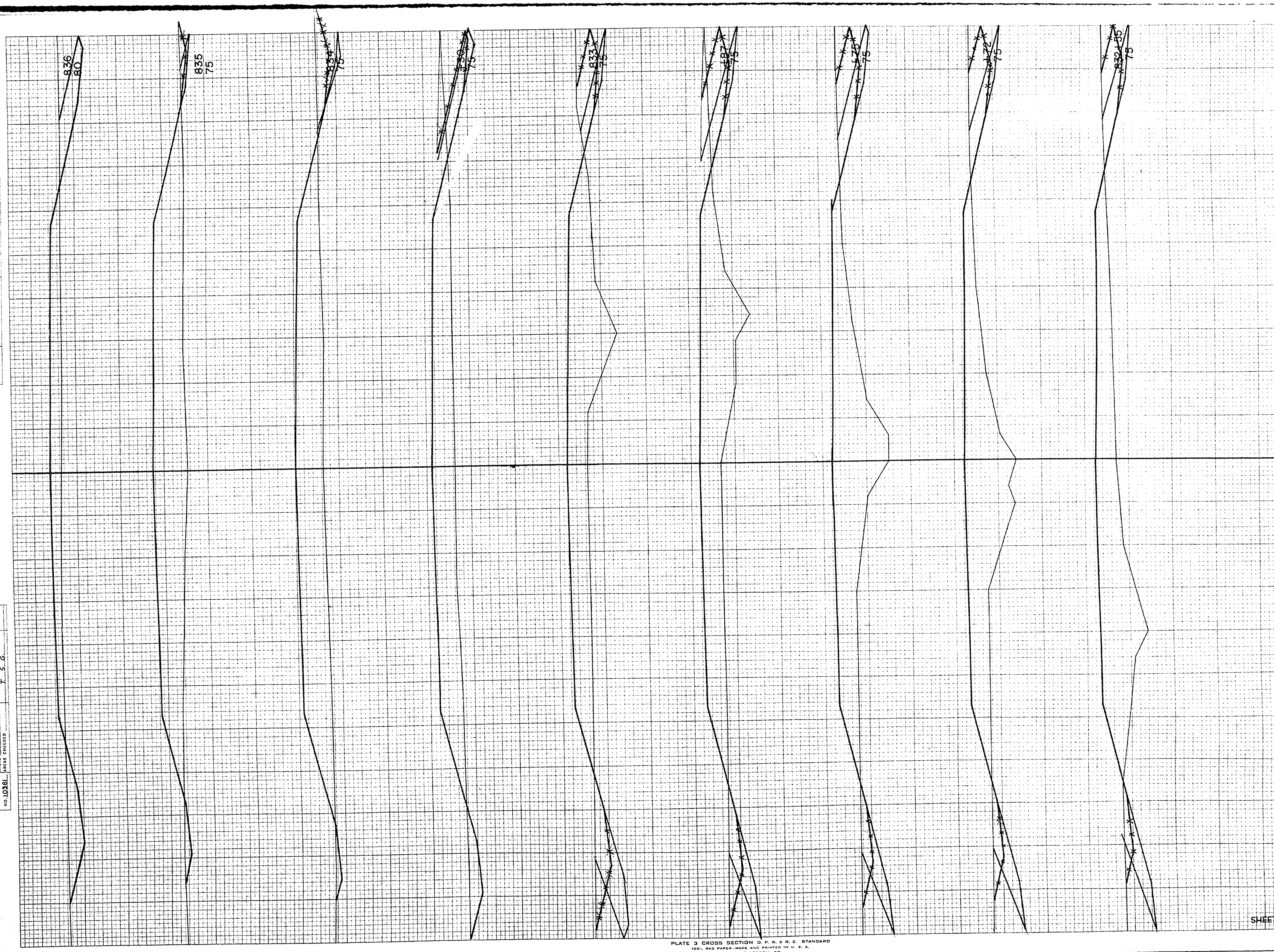
FINAL SURVEY
NOTE BOOK
NO.



STATION	DISTANCE	YARDAGE EXCAVATION UNCL.				FILL
823						
		115				843
824						
		87				876
825						
		96				707
826						
		174				374
827						
		387				117
828						
		569				0
829						
		370				9
830						
		120				169
831						
		72				422
832						
SHEET TOTAL		1,990				3,517

PLATE 3 CROSS SECTION B.P.R. & R.E. STANDARD
100% RAG PAPER MADE AND PRINTED IN U.S.A.
EUGENE DIETZGEN CO.

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	T 037-1 (5)	34	45

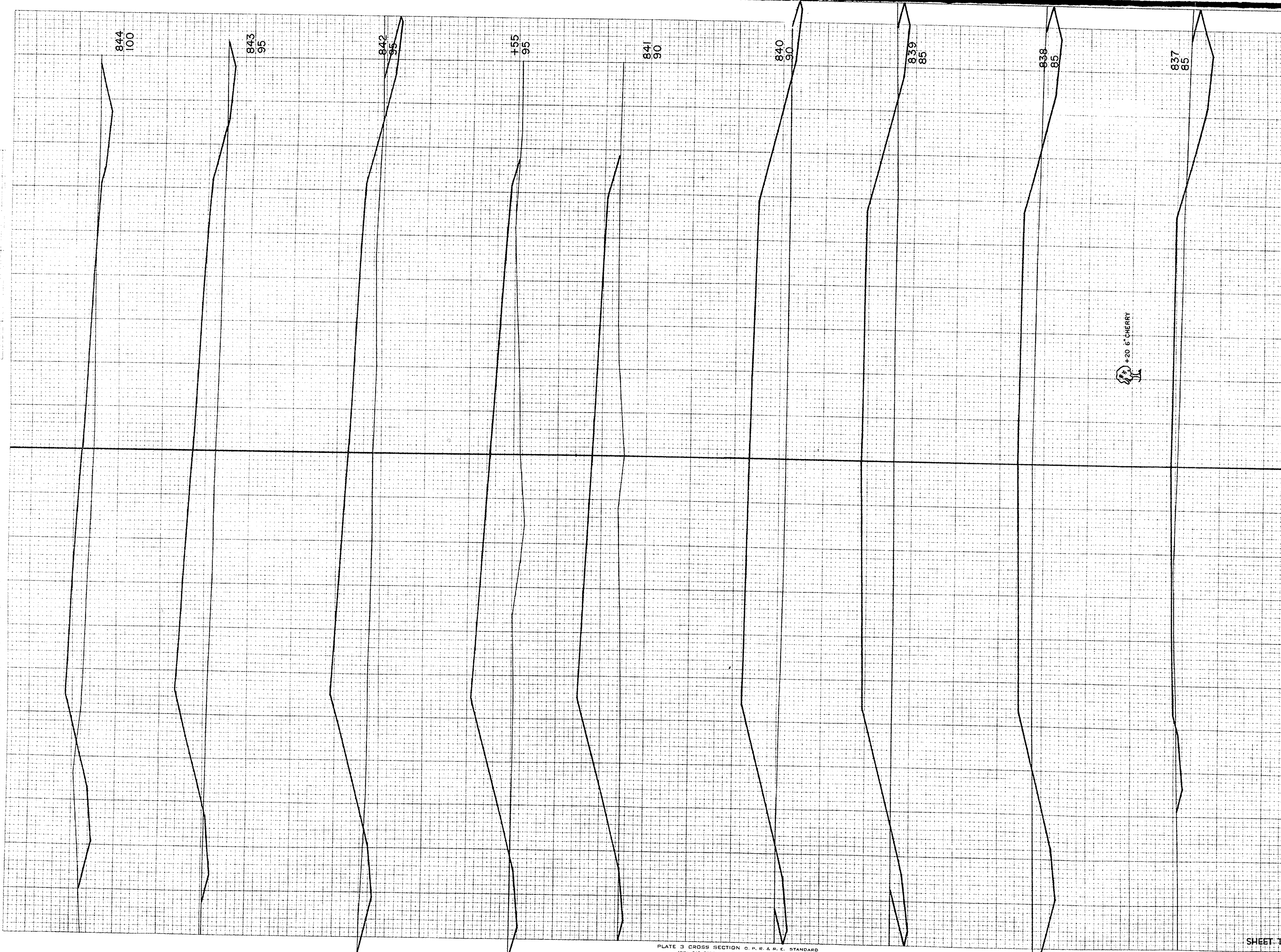


STATION	DISTANCE	YARDAGE EXCAVATION UNCL.				FILL
832						
		59				322
+55						
		26				111
+72						
		6				20
+75						
		22				80
+87						
		24				85
833						
		104				309
+50						
		70				337
834						
		48				811
835						
		133				546
836						
SHEET TOTAL		492				2,621

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED	R. D. N.	2-55
NO. 10361	PLOTTED	G. E. K.	3-55
	TEMPLATE	M. E. P.	"
	AREAS	M. E. P.	"
	AREAS CHECKED	T. S. G.	

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	T 037-1 (5)	35	45



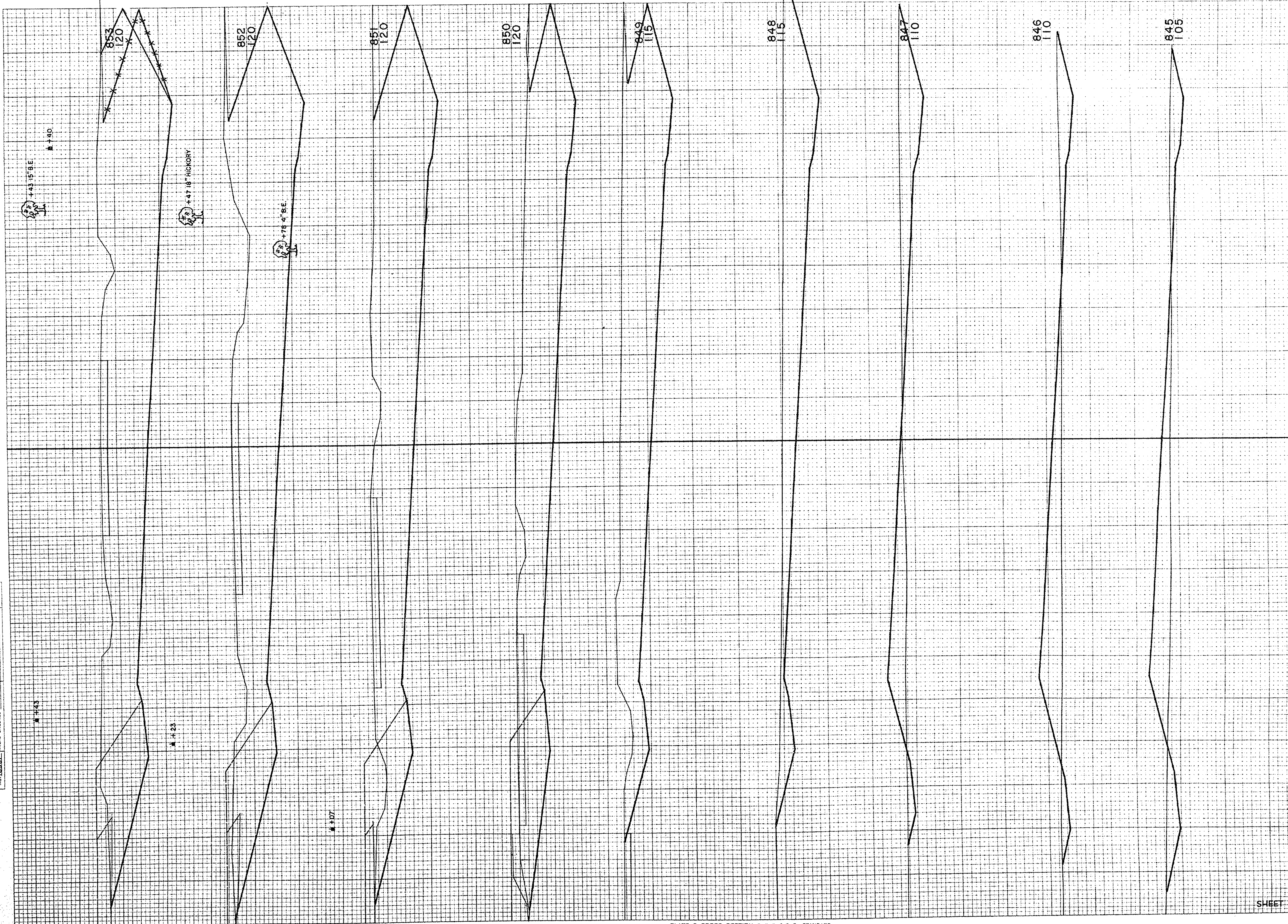
STATION	DISTANCE	YARDAGE: EXCAVATION: UNCL.				FILL
836						
		191				169
837						
		176				237
838						
		169				648
839						
		107				994
840						
		46				956
841						
		11				456
+55						
		37				356
842						
		89				722
843						
		83				472
844						
SHEET TOTAL		909				5,010

FINAL SURVEY: SURVEYED / PLOTTED / TEMPLATE / AREAS / AREAS CHECKED — NOTE BOOK NO.

ORIGINAL SURVEY — NOTE BOOK NO. 10361 — SURVEYED / PLOTTED / TEMPLATE / AREAS / AREAS CHECKED — BY R.D.N., G.E.K., M.E.G., T.S.G. — DATE 2-55, 3-55

PLATE 3 CROSS SECTION B.P.R. & R.E. STANDARD
100% RAG PAPER—MADE AND PRINTED IN U.S.A.
EUGENE DIETZGEN CO.

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	T 037-1 (5)	36	45

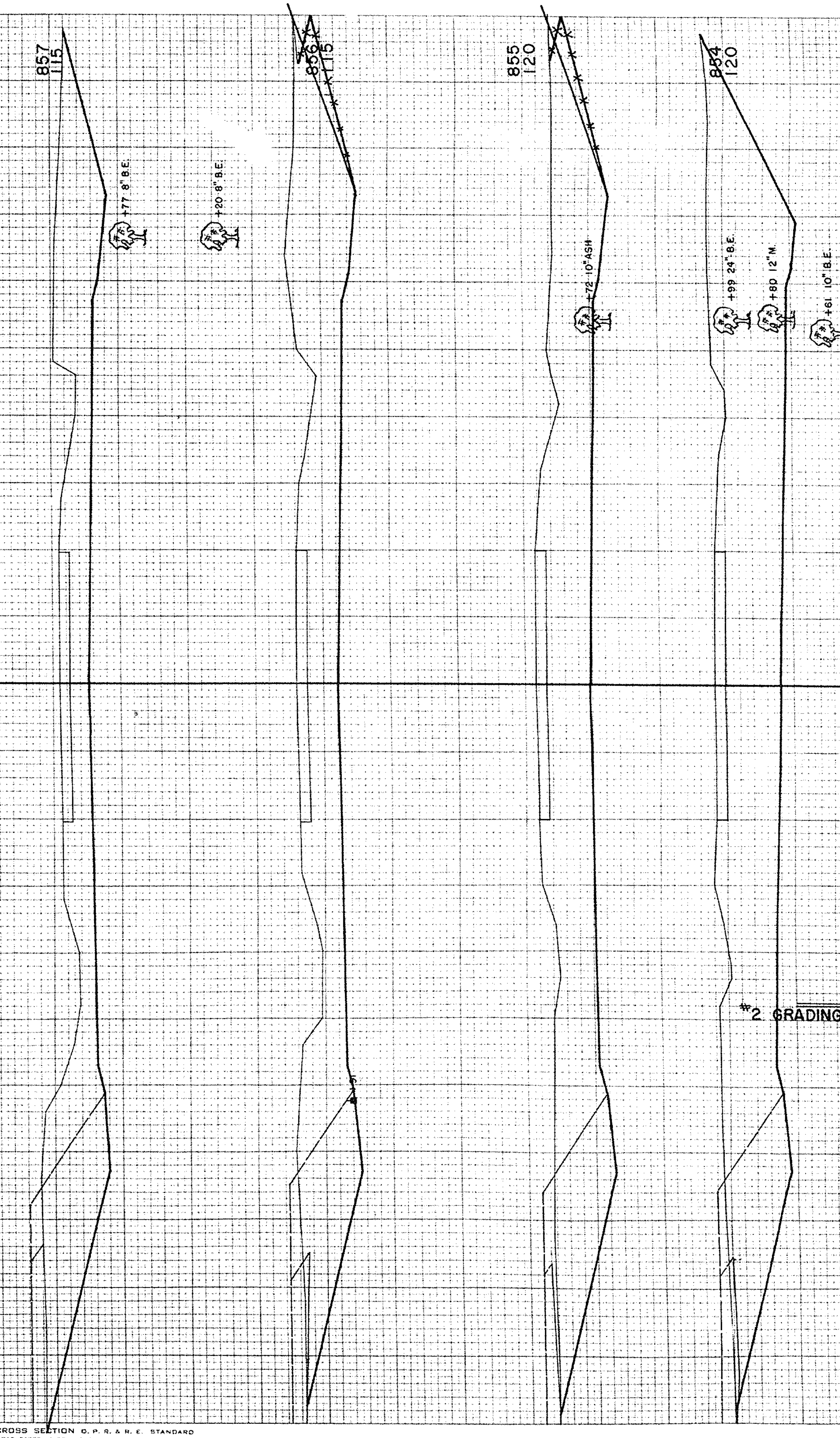


STATION	DISTANCE	YARDAGE EXCAVATION UNCL.				FILL
844						
		122				250
845						
		119				270
846						
		180				228
847						
		461				78
848						
		939				0
849						
		1,289				0
850						
		1,556				0
851						
		1,837				0
852						
		1,970				0
853						
SHEET TOTAL		8,473				826

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK TEMPLATE		
AREAS		
NO. AREAS CHECKED		

ORIGINAL SURVEY	BY	DATE
SURVEYED	R. D. N.	2-55
PLOTTED	G. E. K.	3-55
NOTE BOOK TEMPLATE	M. E. P.	"
AREAS	M. E. P.	"
NO. 1036L AREAS CHECKED	T. S. G.	

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	T 037-1 (5)	37	45



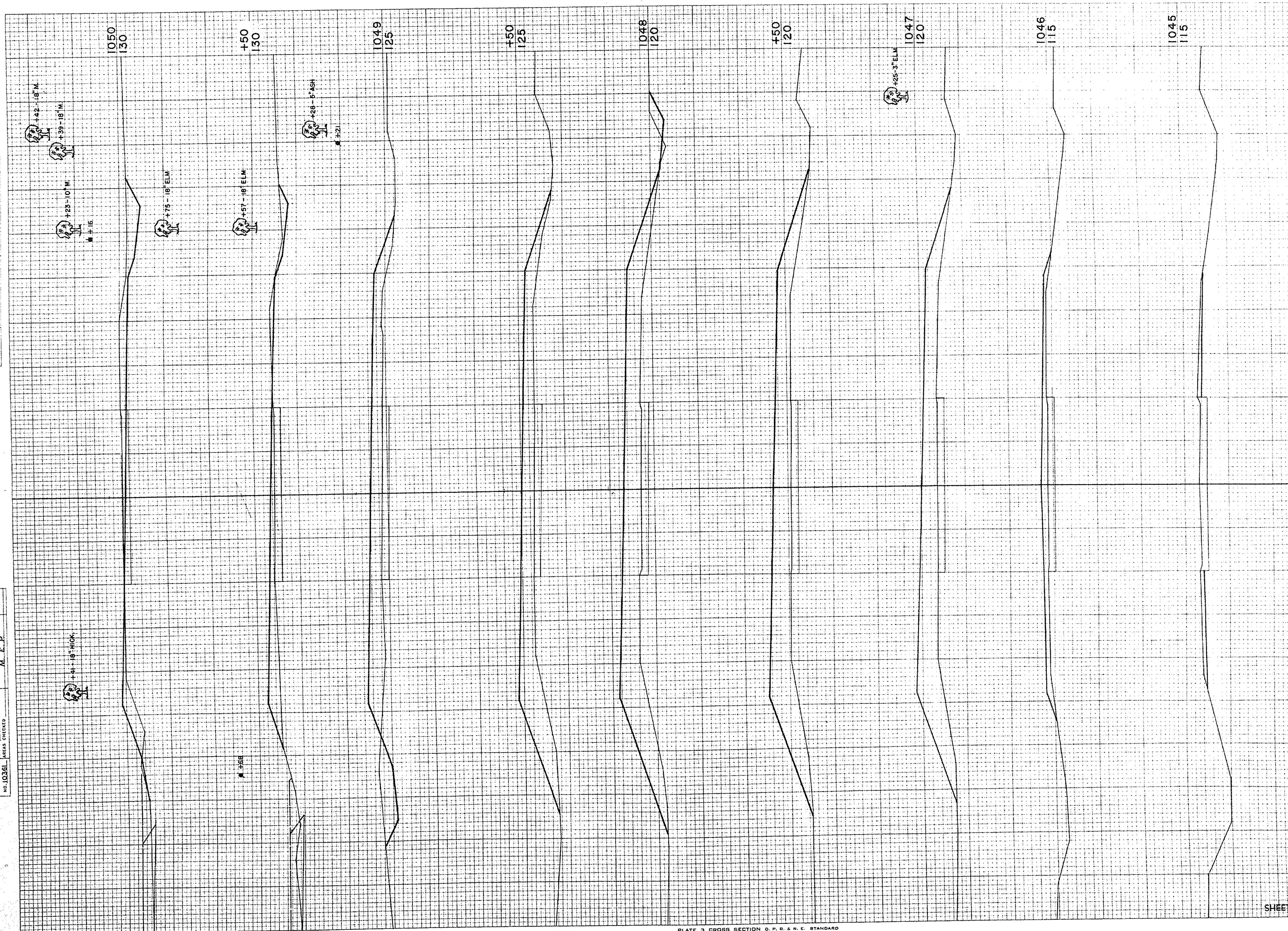
STATION	DISTANCE	YARDAGE: EXCAVATION: UNCL.		ROCK EXC.	COMMON	FILL
853						
		1,763				0
854						
		1,383				0
855						
		1,180				0
856						
		987				0
857						
		426				0
858						
#2 GRADING SECT. TOTAL		25,910		3,191	11,076	
SHEET TOTAL		5,739				0

FINAL SURVEY NOTE BOOK NO.

ORIGINAL SURVEY NOTE BOOK NO. 10361 — SURVEYED, PLOTTED, TEMPLATE, AREAS, AREAS CHECKED

BY		DATE
R.	D.N.	2-55
G.	E.K.	3-55
M.	E.P.	"
T.	S.G.	"

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	T 037-1(5)	38	45

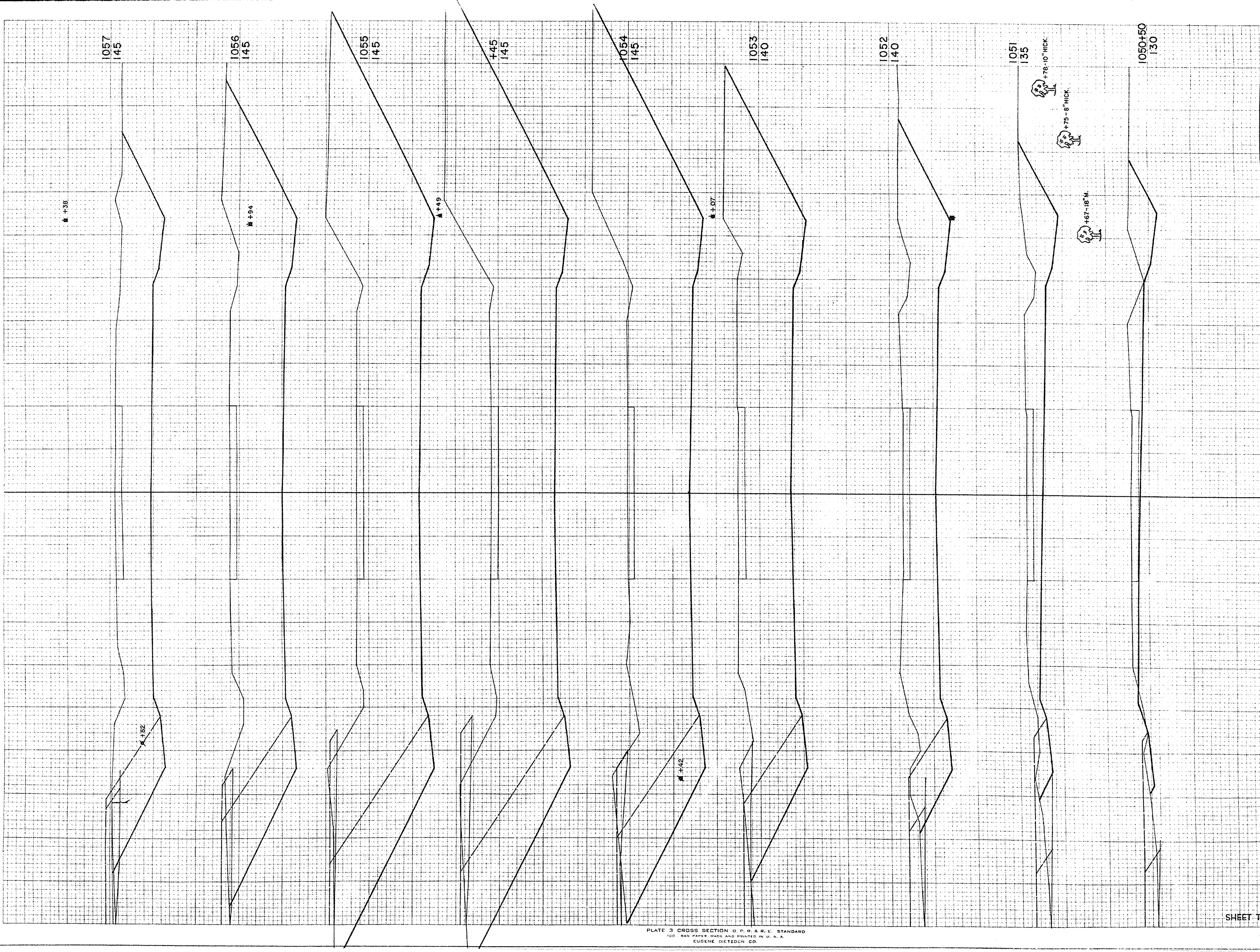


STATION	DISTANCE	YARDAGE: EXCAVATION: UNCL.				FILL
1,045						
		20				46
1,046						
		0				248
1,047						
		0				222
+50						
		4				246
1,048						
		2				222
+50						
		13				167
1,049						
		20				94
+50						
		28				39
1,050						
SHEET TOTAL		87				1,284

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK NO.		

ORIGINAL SURVEY	BY	DATE
SURVEYED	R. D. N.	2-55
PLOTTED	R. D. V.	3-55
TEMPLATE	T. S. G.	"
AREAS	T. S. G.	"
AREAS CHECKED	M. E. P.	
NOTE BOOK NO. 10361		

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	T 037-1(5)	39	45

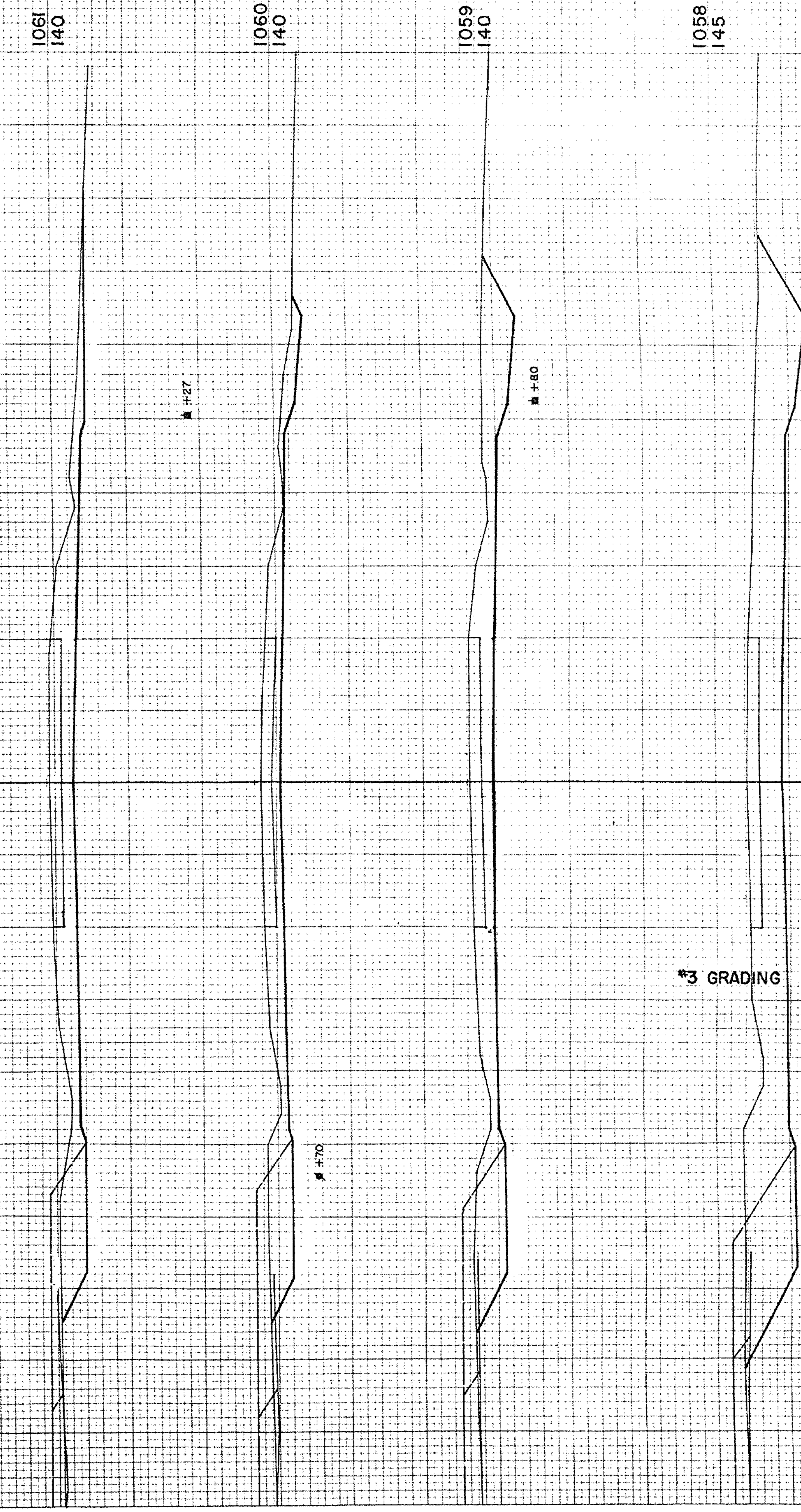


STATION	DISTANCE	YARDAGE EXCAVATION UNCL.				FILL
1,050						
		81				13
+50						
		178				0
1,051						
		787				
1,052						
		1,544				
1,053						
		2,267				
1,054						
		1,198				
+45						
		1,496				
1,055						
		2,289				
1,056						
		1,554				
1,057						
SHEET TOTAL		11,394				13

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK TEMPLATE		
AREAS		
NO. AREAS CHECKED		

ORIGINAL SURVEY	BY	DATE
SURVEYED	R. D. N.	2-55
PLOTTED	R. D. V.	3-55
NOTE BOOK TEMPLATE	T. S. G.	"
AREAS	T. S. G.	"
NO. 10361 AREAS CHECKED	M. E. P.	

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	T037-1(5)	40	45

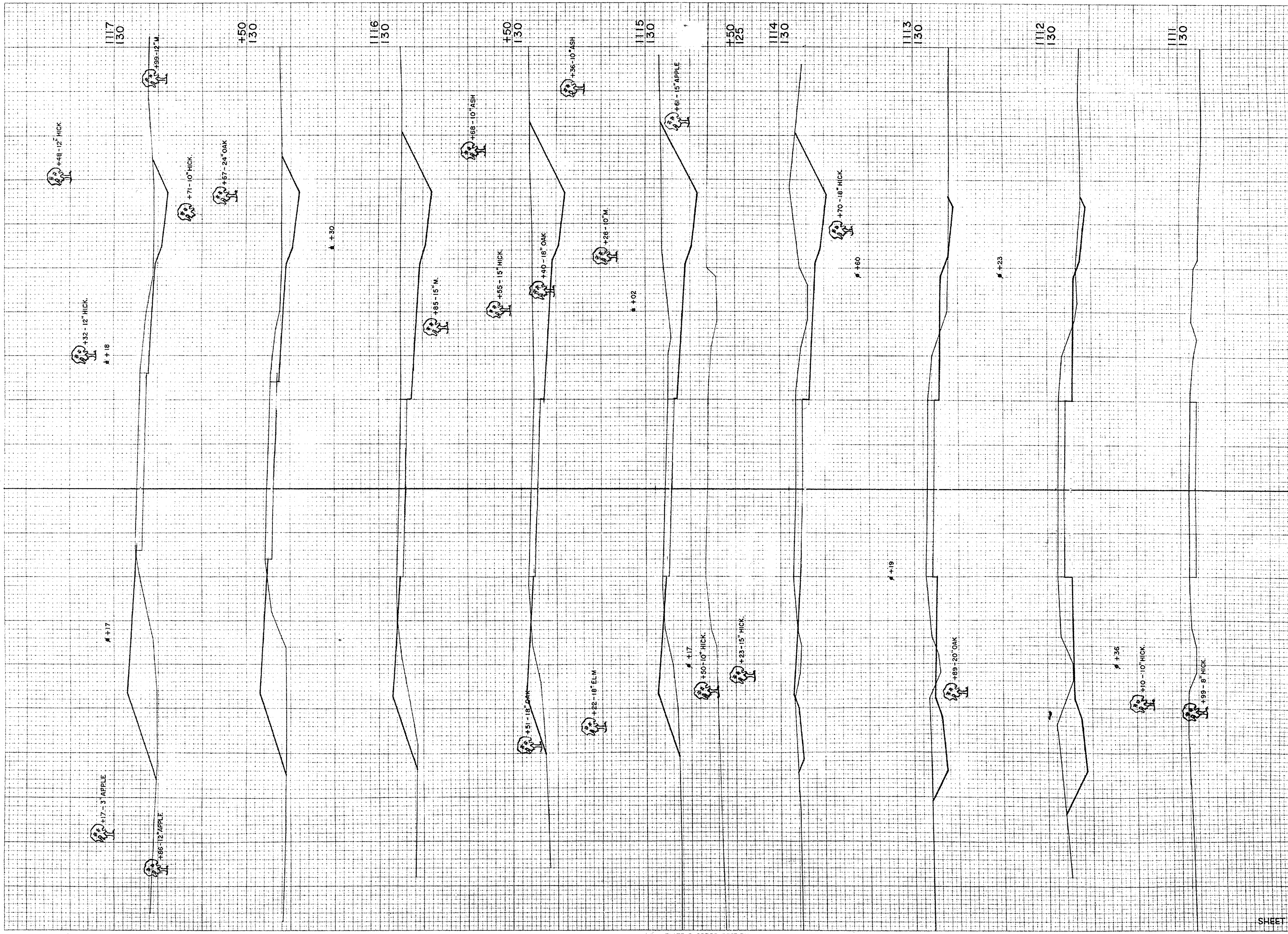


STATION	DISTANCE	YARDAGE EXCAVATION UNCL.				FILL
1,057						
		928				
1,058						
		498				
1,059						
		291				
1060						
		269				
1061						
#3 GRADING SECT. TOTAL		13,467				1,297
SHEET TOTAL		1,986				0

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED	R. D. N.	2-55
NO. 10361	PLOTTED	R. D. V.	3-55
	TEMPLATE	T. S. G.	"
	AREAS	T. S. G.	"
	AREAS CHECKED	M. E. P.	

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	T037-1(5)	41	45



STATION	DISTANCE	YARDAGE EXCAVATION UNCL.		FILL
1112				
		198		17
1113				
		198		17
1114				
		257		39
1115				
		130	0	30
+50				
		126		30
1116				
		85		48
+50				
		41		72
1117				
SHEET TOTAL		1,035		253

FINAL SURVEY

ORIGINAL SURVEY NOTE BOOK NO. 1036

2-55
3-55

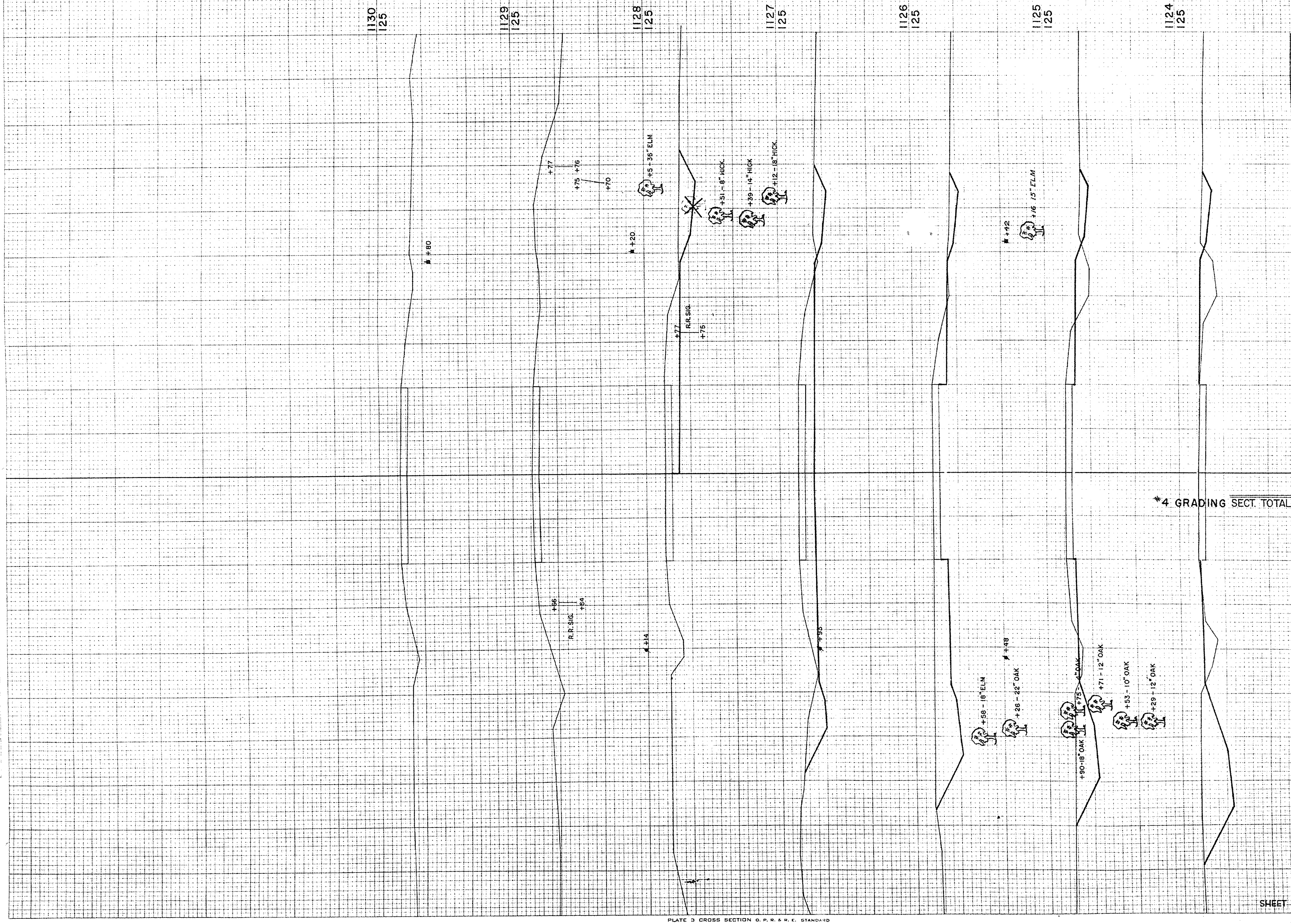
B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	T037-1(5)	42	45

FINAL SURVEY — SURVEYED / PLOTTED / TEMPLATE / AREAS / AREAS CHECKED — NOTE BOOK NO.

ORIGINAL SURVEY	BY	DATE
SURVEYED	R.D.N.	2-55
PLOTTED	R.D.V.	3-55
TEMPLATE	T.S.G.	
AREAS CHECKED	M.E.P.	
NOTE BOOK NO. 10361		

STATION	DISTANCE	YARDAGE — EXCAVATION — UNCL.			FILL
1117					
		52			83
+50					
		70			96
1118					
		59			87
+50					
		50			54
1119					
		41			37
+50					
		26			74
1120					
		26			417
1121					
		11			630
1122					
		35			509
1123					
SHEET TOTAL		370			1,987

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	T 037-1(5)	43	45



STATION	DISTANCE	YARDAGE EXCAVATION UNCL.				FILL
1123						
		128				228
1124						
		191				59
1125						
		243				22
1126						
		289				0
1127						
		208				0
1128						
		35				0
+50						
#4 GRADING SECT. TOTAL		2,499				2,549
SHEET TOTAL		1,094				309

FINAL SURVEY	
NOTE BOOK NO.	

ORIGINAL SURVEY		
NOTE BOOK NO. 1036I	R. D. N.	2-55
	R. D. G.	3-55
	Z. S. G.	
	M. E. P.	

PLATE 3 CROSS SECTION O. P. R. & R. E. STANDARD
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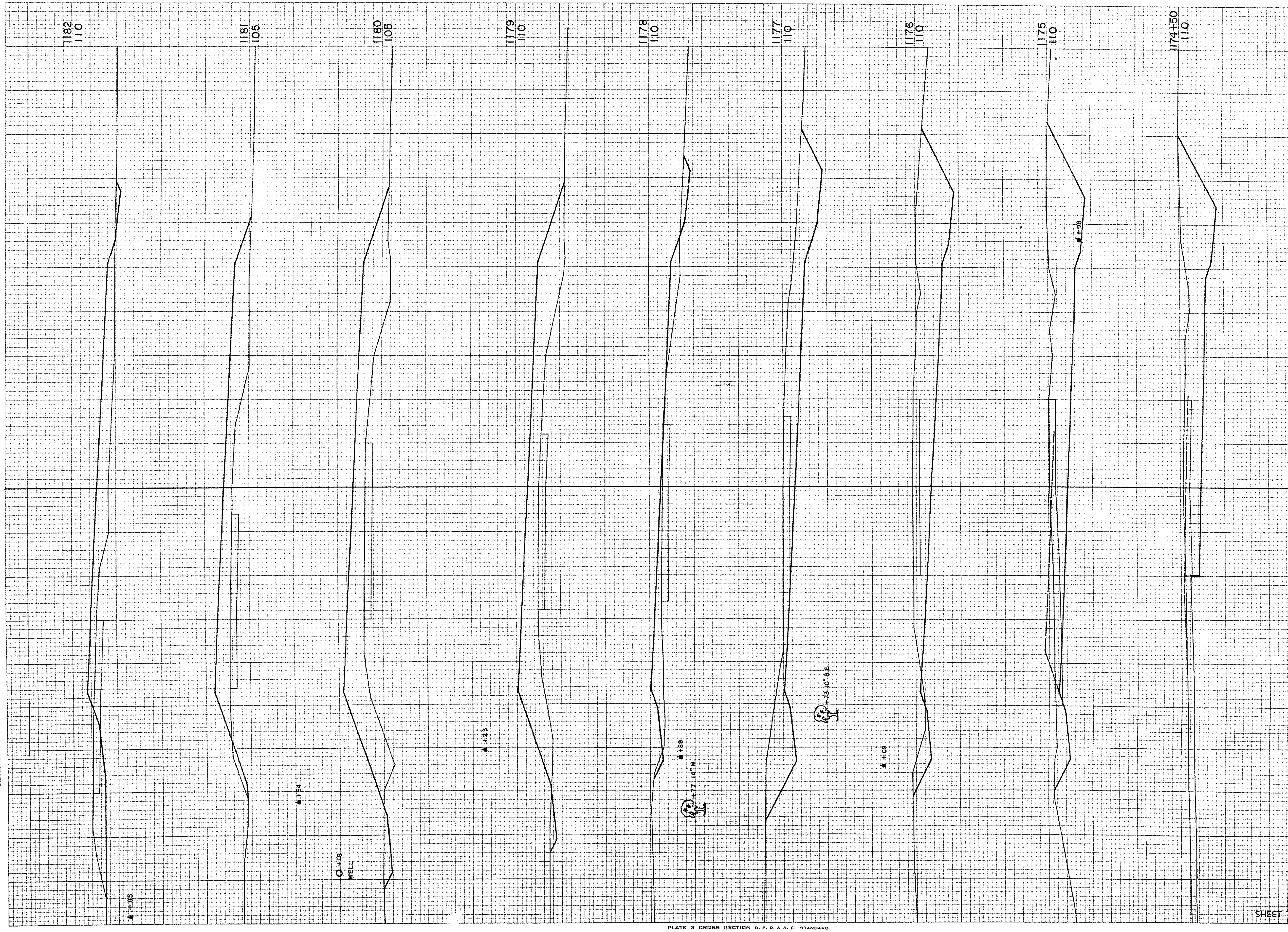
B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	T 037-1 (5)	44	45

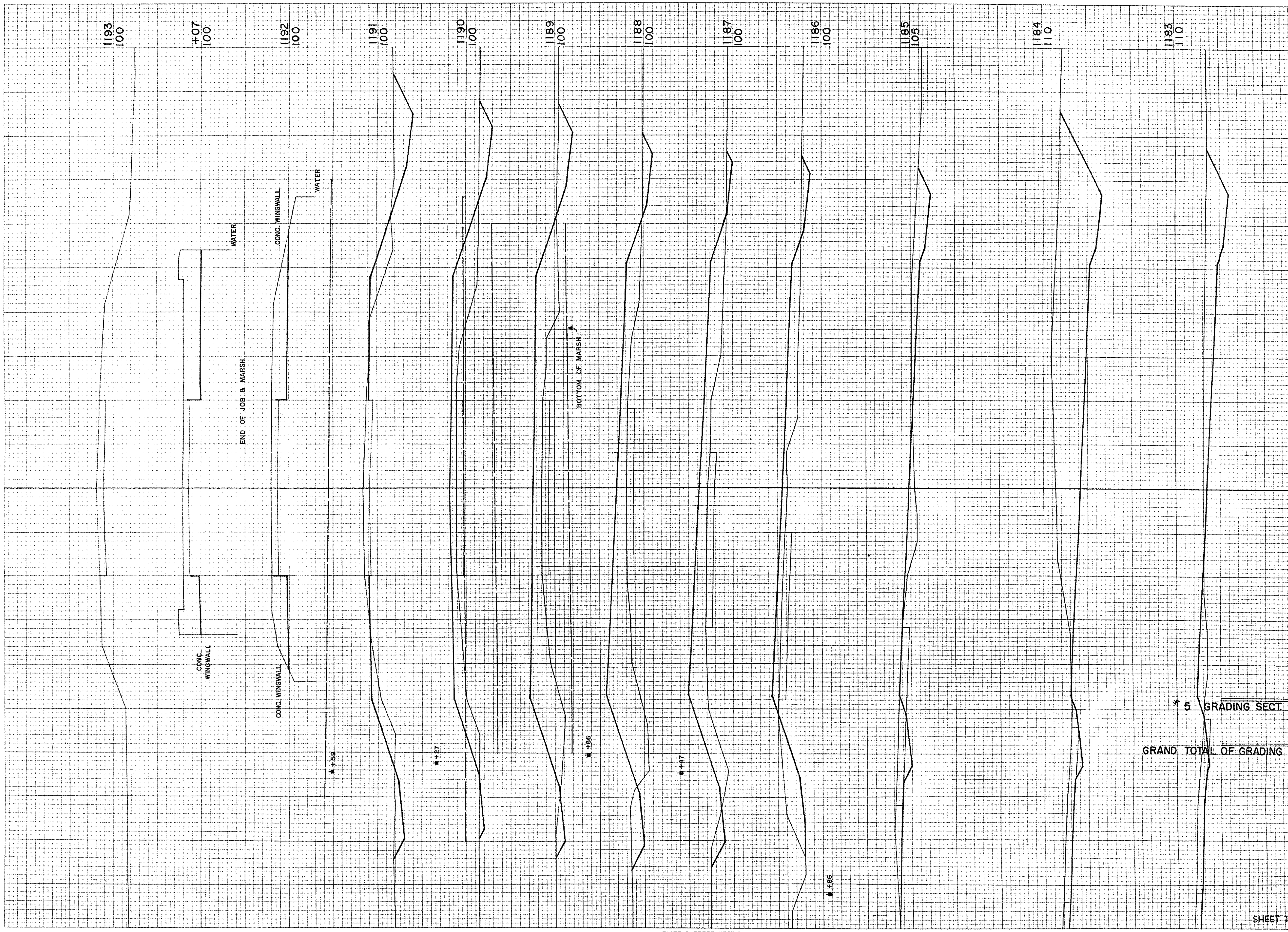


STATION	DISTANCE	YARDAGE EXCAVATION UNCL.			FILL
1174					
		120			0
+50					
		250			0
1175					
		513			2
1176					
		448			2
1177					
		209			48
1178					
		17			257
1179					
		15			450
1180					
		13			367
1181					
		33			222
1182					
SHEET TOTAL		1,618			1,346

FINAL SURVEY — SURVEYED / PLOTTED / TEMPLATE / AREAS / AREAS CHECKED — NOTE BOOK NO.

ORIGINAL SURVEY — SURVEYED / PLOTTED / TEMPLATE / AREAS / AREAS CHECKED — NOTE BOOK NO. 10363

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	T 037-1 (5)	45	45



		YARDAGE			
		EXCAVATION			
STATION	DISTANCE	UNCL.	COMMON	ROCK	FILL
1182					
		141			119
1183					
		481			22
1184					
		441			26
1185					
		119			89
1186					
		61			209
1187					
		41			335
1188					
		56			372
1189					
		50			302
1190					
		78			165
1191					
		167			46
1192					
		7			0
+07					
* 5 GRADING SECT. TOT.		3,260			2,945
GRAND TOTAL OF GRADING SECTIONS		47,704	15,473	4,401	
SHEET TOTAL		1,642			1,695

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK TEMPLATE		
AREAS		
NO AREAS CHECKED		

ORIGINAL SURVEY	BY	DATE
SURVEYED	R. N.	2-54
PLOTTED	W.R.K.	3-55
NOTE BOOK TEMPLATE	T.S.G.	"
AREAS	T.S.G.	"
NO 10363 AREAS CHECKED	M.E.P.	"