[redacted] SHEETS

120 WINN

SHEET NO. 1	TITLE
SHEET NO. 2	TYPICAL CROSS SECTIONS
SHEET NO. 2	ESTIMATE OF QUANTITIES
SHEET NO. 2	MISCELLANEOUS QUANTITIES
SHEET NO. —	RIGHT OF WAY PLAT
SHEET NO. 3–7	PLAN AND PROFILE STA. 11+80.4 TO STA. 149+01.3
SHEET NO. 8–14	STANDARD DETAILS
SHEET NO. —	DRAINAGE STRUCTURES
SHEET NO. 15-29	CROSS SECTIONS

COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT: STATE	CLASS AND AGREEMENT: FEDERAL	FEDERAL DIVISION OFFICE	SHEET NUMBER	TOTAL SHEETS
70.6	308.0		11.4	WIS. 4	1	29

STATE OF WISCONSIN

STATE HIGHWAY COMMISSION OF WISCONSIN

PLAN AND PROFILE OF PROPOSED

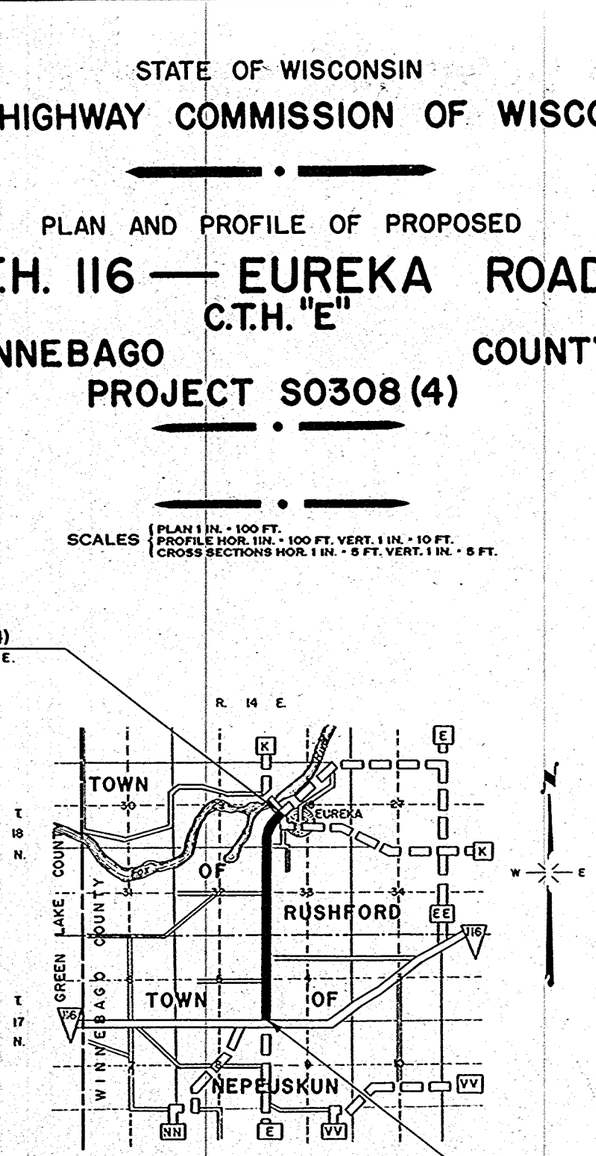
S.T.H. 116 — EUREKA ROAD
C.T.H. "E"

WINNEBAGO COUNTY

PROJECT S0308(4)

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.

STA. 149+01.3 END PROJ. S0308(4)
2332'N & 879' E. OF S.W. COR. SEC. 28, T 18N, R 14 E.



STA. 11+80.4 BEGIN PROJ. S0308(4)
9.7' NORTH OF S.E. COR. SEC. 5, T 17 N. R 14 E.

CONVENTIONAL SIGNS

STATE LINE		CULVERTS IN PLACE	
COUNTY LINE		CULVERTS REQUIRED	
TOWNSHIP OR RANGE LINE		DROP INLET	
SECTION LINE		POWER POLE	
NEW RIGHT OF WAY LINE		TELEPHONE OR TELEGRAPH POLE	
PRESENT RIGHT OF WAY LINE		RIGHT OF WAY MARKERS	
WIRE FENCE { WOVEN / BARBED		REFERENCE STAKE FOR HUBS ONLY	
LOT LINE		MARSH	
CORPORATE OR CITY LIMITS		HEDGE	
PROPERTY LINE	PL 326	TREES	
TRAVELED WAY OR P.E.		GROUND ELEVATION	DATUM LINE 739
RAILROADS		GRADE ELEVATION	DATUM LINE 736
BASE OR SURVEY LINE	50		

LAYOUT

SCALE — ONE MILE

TOTAL NET LENGTH OF CENTERLINE = 2.599 MI.

APPROVED FOR

Date — Title

STATE HIGHWAY COMMISSION OF WISCONSIN
MADISON, WIS.

SURVEYOR R.W.N. NOTE BOOK 39, 40
DISTRICT COMPUTER L.J.L. U.S. GRIDDER
DISTRICT CHECKER A.M.& H.C.H. CHIEF

CORRECT:
DATE 1-14-58 DISTRICT ENGINEER

RECOMMENDED FOR APPROVAL:
DATE 1-20-58 COUNTY ENGINEER

APPROVED:
DATE 1-22-58 STATE HIGHWAY ENGINEER

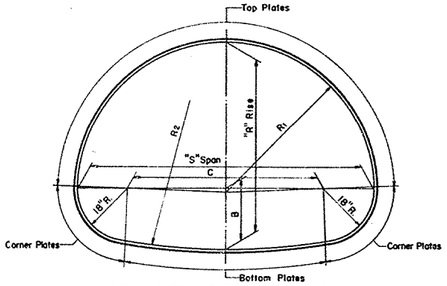
DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS

APPROVED: DATE

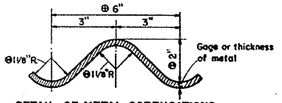
DISTRICT ENGINEER

FIELD INVESTIGATED 14 NOV 1956 C.C. EMMEL W.H.C.

S 0308(4)



STRUCTURAL PLATE PIPE ARCH



DETAIL OF METAL CORRUGATIONS

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

GENERAL NOTES

Details of construction not shown on this drawing shall conform to the pertinent requirements of the Standard Specifications, Sections 2412 and 3116 and 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.

EMBANKMENT—Minimum for ℄ Culverts

For Flexible Type Pavement, the minimum depth of embankment or cover over top of Pipe Arch (finished construction) shall be "S"/10 or 1'-0" minimum.

For Rigid Type Pavement, the minimum depth of embankment over top of Pipe Arch shall be "S"/4 or a minimum of 6" cushion between pipe and pavement.

EMBANKMENT—Maximum for ℄ Culverts

The maximum depth of embankment shall be 15 feet (finished construction).

Adequate cover protection for Pipe Arches shall be provided at all times during construction operations to preclude any damage to structures.

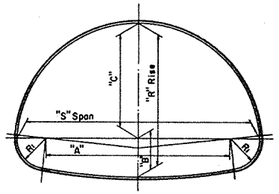
Shutting of Pipe Arches will not be required during construction unless specifically called for on the plans or the applicable Special Provisions.

TABLE OF PROPERTIES
STRUCTURAL PLATE PIPE ARCH

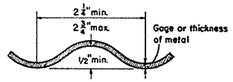
SPAN Nominal Size	Dimensions taken from inside crests of corrugations: Fabricators Size Min. Acceptable "S" Span — "R" Rise	R/S Ratio	Area Sq.Ft.	B In.	C In.	R1 In.	R2 In.	Table of Metal Gages — Minimum Acceptable: H-20 LOADING, Depth of Embankment in Feet 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
6 Feet	6'-1" 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	7	5	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	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 Structural 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.

STRUCTURAL PLATE PIPE ARCH



CORRUGATED METAL PIPE ARCH
(Riveted)



DETAIL OF METAL CORRUGATIONS

GENERAL NOTES

Details of construction not shown on this drawing shall conform to the pertinent requirements of the Standard Specifications, Sections 2411 and 3116 and the applicable Special Provisions.

TOLERANCES

Tolerance from the dimensions detailing size and shape will be permissable providing equivalent capacity and strength are attained.

EMBANKMENT—Minimum for ℄ Culverts

For Flexible Type Pavement, the minimum depth of embankment or cover over top of Pipe Arch (finished construction) shall be "S"/10 or 9" minimum.

For Rigid Type Pavement, the minimum depth of embankment over top of Pipe Arch shall be "S"/4 or a minimum of 3" cushion between pipe and pavement.

EMBANKMENT—Maximum for ℄ Culverts

The maximum depth of embankment shall be 10 feet (finished construction).

Adequate cover protection for Pipe Arches shall be provided at all times during construction operations to preclude any damage to structures.

TABLE OF DIMENSIONS
CORRUGATED METAL PIPE ARCH

CORRUGATED METAL PIPE ARCH: Gage (Min. Acceptable)	"S" Span Inches	"R" Rise Inches	"A" Inches	"B" Inches	"C" Inches	R1 Inches	R/S Ratio	Area Sq.Ft.	Round Pipe of Approx. Equal Periphery: Area Sq.Ft.	Diam. Inches
16	18	11	10	4 1/2	6 1/2	3 1/2	.61	1.1	1.23	15
16	22	13	14	4 3/4	8 1/4	4	.59	1.6	1.77	18
16	25	16	17	5 1/4	10 3/4	4	.64	2.2	2.41	21
14	29	18	20	5 1/2	12 1/2	4 1/2	.62	2.8	3.14	24
14	36	22	26	6 1/4	15 3/4	5	.61	4.4	4.91	30
12	43	27	32	7	20	5 1/2	.63	6.4	7.07	36
12	50	31	38	8	23	6	.62	8.7	9.62	42
12	58	36	44	9 1/4	26 3/4	7	.62	11.4	12.57	48
12	65	40	49	10 1/2	29 1/2	8	.62	14.3	15.90	54
10	72	44	54	11 3/4	32 1/4	9	.61	17.6	19.64	60

NOTE: All Dimensions measured from inside crest of corrugations.

CORRUGATED METAL PIPE ARCH

STRUCTURAL PLATE PIPE ARCH
CORRUGATED METAL PIPE ARCH

STATE HIGHWAY COMMISSION OF WISCONSIN

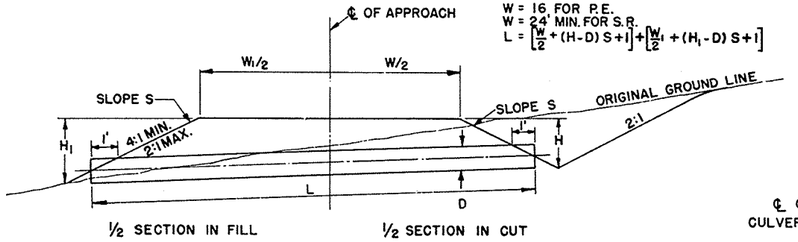
RECOMMENDED FOR APPROVAL:

DATE 5-27-57 — J. L. Pelt, ENGINEER OF DESIGN

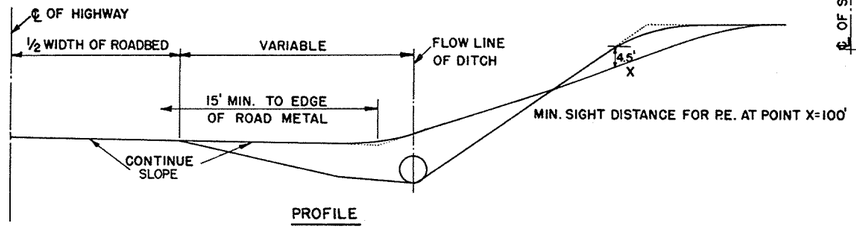
APPROVED:

DATE 5/28/57 — E. C. Rustigen, STATE HIGHWAY ENGINEER

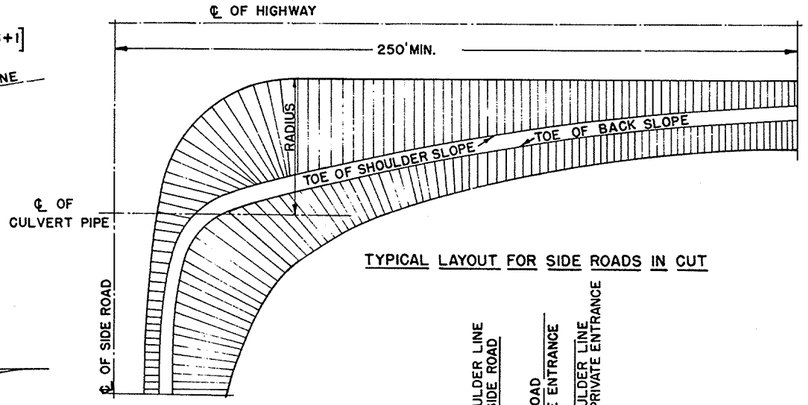
PLATE NO. 6-5.3.1



TYPICAL CROSS SECTION

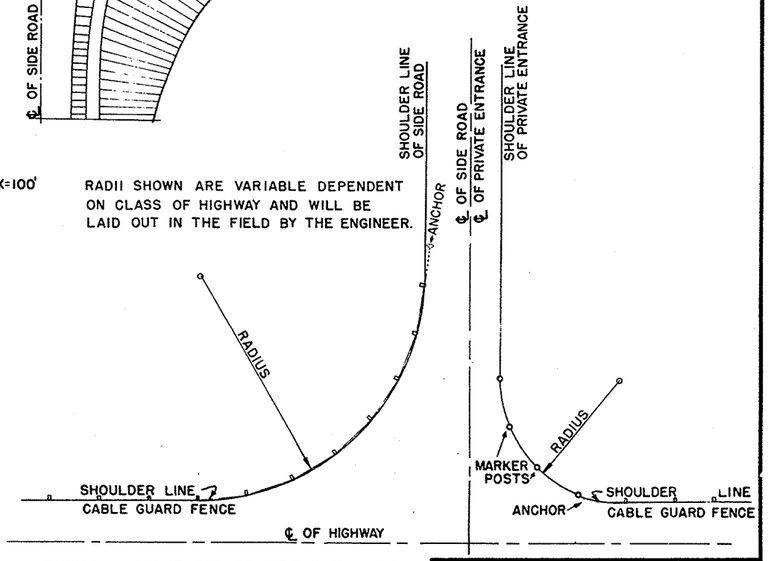


PROFILE



TYPICAL LAYOUT FOR SIDE ROADS IN CUT

RADII SHOWN ARE VARIABLE DEPENDENT ON CLASS OF HIGHWAY AND WILL BE LAID OUT IN THE FIELD BY THE ENGINEER.



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

A. R. Blake
CONSTRUCTION ENGINEER

APPROVED:- OCT. 1, 1945

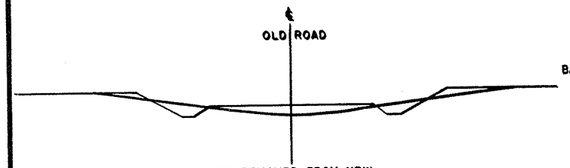
DRAWN

CHECKED

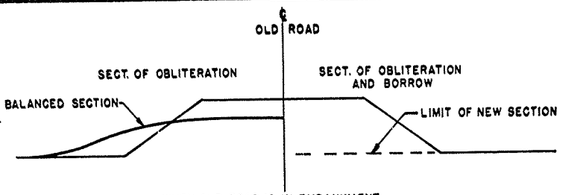
DATE

W. A. Rosenguy
STATE HIGHWAY ENGINEER

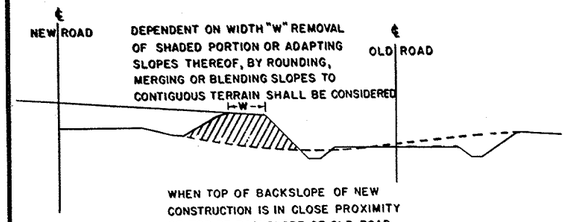
1-3.1.1



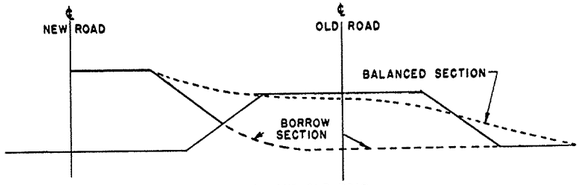
WHEN REMOVED FROM NEW CONSTRUCTION AND WITHIN SIGHT OF NEW PROJECT.



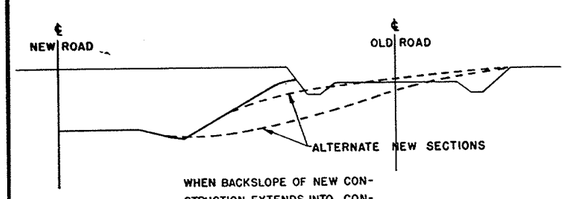
WHEN OLD ROAD IS IN EMBANKMENT AND REMOVED FROM NEW CONSTRUCTION BUT WITHIN SIGHT OF NEW PROJECT.



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

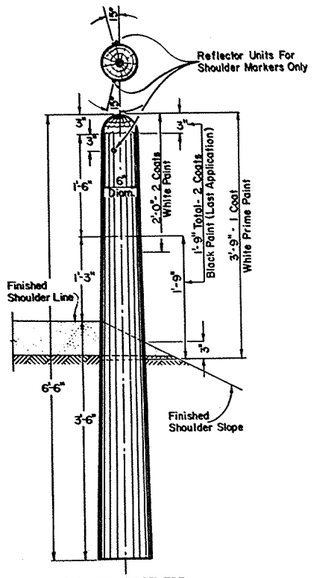
Frank Crane
DESIGN ENGINEER

DATE
CONSTRUCTION ENGINEER

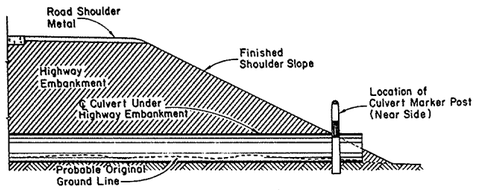
APPROVED:

DRAWN C.A.L.
CHECKED
OCT. 1, 1945
DATE
E. L. Ragatz
STATE HIGHWAY ENGINEER

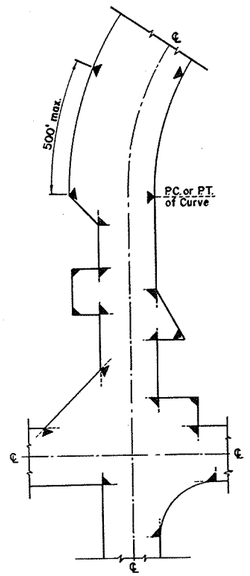
1-4.1.1



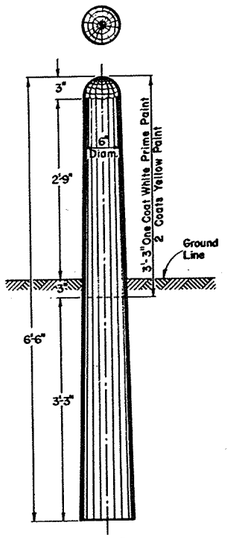
MARKER POST FOR ROAD SHOULDERS AND CULVERTS



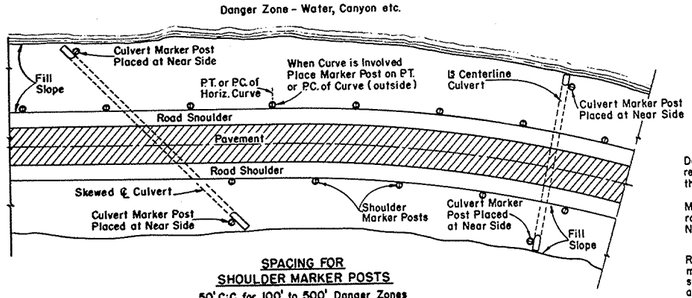
SECTION
SHOWING RELATIVE LOCATION OF
MARKER POST FOR CULVERTS



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



MARKER POST FOR RIGHT OF WAY



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

MARKER POST FOR RIGHT OF WAY

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. 2523-5 Marker Posts.....Each
No. 2523-6 Marker Posts for Right of Way.....Each

MARKER POSTS &
MARKER POSTS FOR RIGHT OF WAY

STATE HIGHWAY COMMISSION OF WISCONSIN

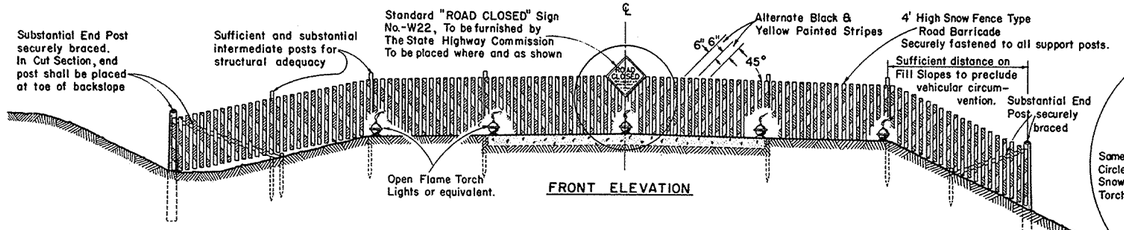
RECOMMENDED FOR APPROVAL

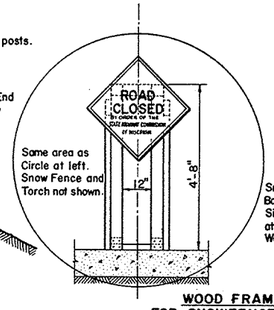
5/16/57 DATE — J.S. Pelt ENGINEER OF DESIGN

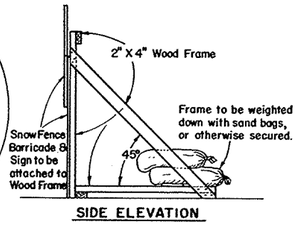
APPROVED:

5/16/57 DATE — E.L. Rettinger STATE HIGHWAY ENGINEER

PLATE NO. 7-1.3.3.







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

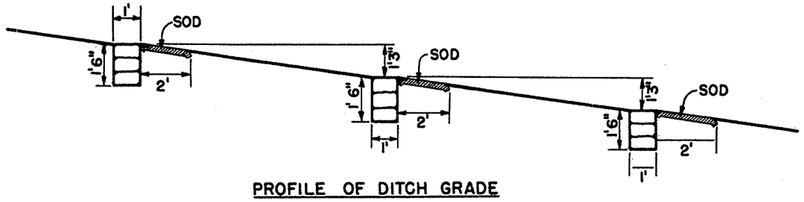
RECOMMENDED FOR APPROVAL:

6/2/55 DATE — J. A. Pelk ENGINEER OF DESIGN

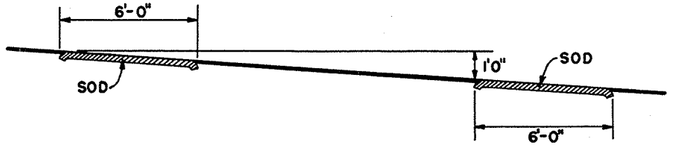
APPROVED:

6/3/55 DATE — E. C. Rustigan STATE HIGHWAY ENGINEER

PLATE NO. 7-4.1.2

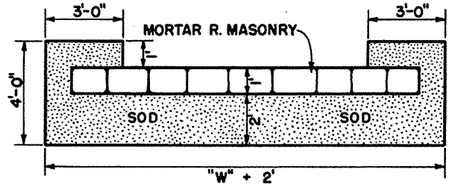


PROFILE OF DITCH GRADE

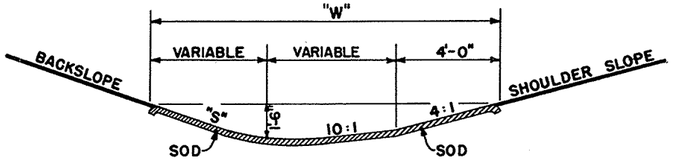


PROFILE OF DITCH GRADE

NOTE: NUMBER REQUIRED WILL BE DETERMINED BY VERTICAL SPACING.



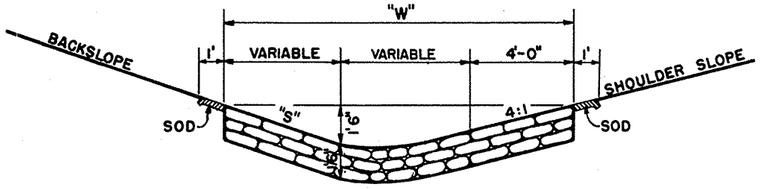
PLAN VIEW SHOWING SOD



SECTION

SOD DITCH CHECKS

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



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

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:

Frank Crane
DESIGN ENGINEER

DATE:

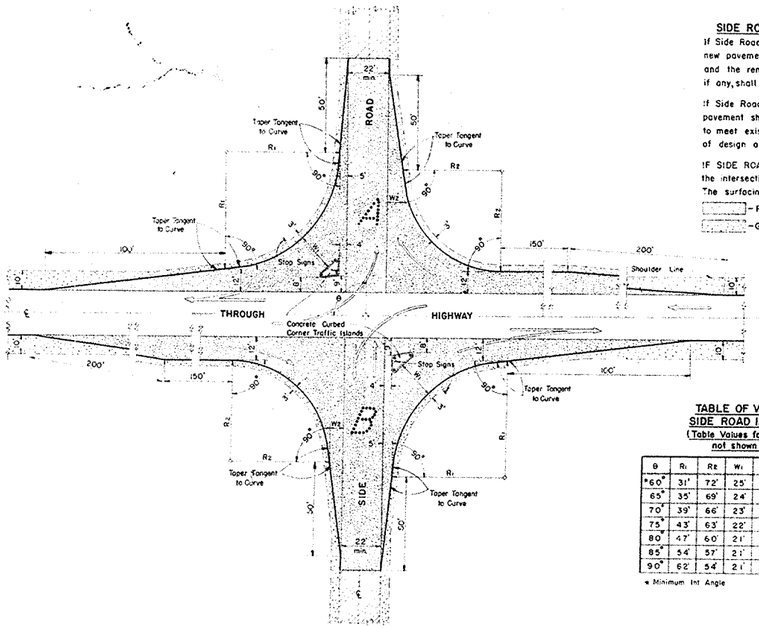
CONSTRUCTION ENGINEER

APPROVED:

E. L. Roettiger
STATE HIGHWAY ENGINEER

DRAWN DIV. 9
CHECKED N.F.C.

8-1.3.1



SIDE ROAD SURFACING NOTE

If Side Road is not presently surfaced, new pavement shall be placed as shown, and the remainder to construction limits, if any, shall be gravel or crushed stone surfaced.

If Side Road is presently paved, new pavement shall be placed only as necessary to meet existing pavement, and to limits of design as shown.

IF SIDE ROAD IS THE CONSTRUCTION PROJECT, the intersection geometrics remain as shown. The surfacing shall be same as for the project.

— Pavement

— Gravel or Crushed Stone

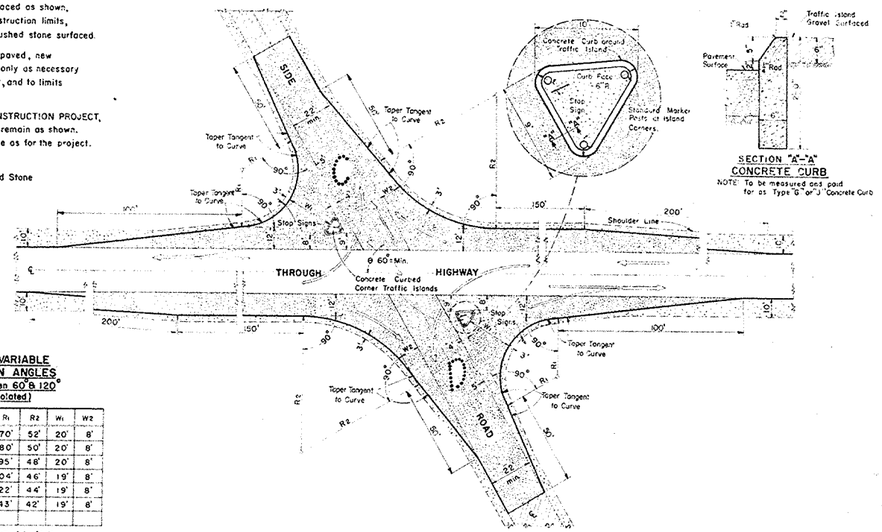
TABLE OF VALUES FOR VARIABLE SIDE ROAD INTERSECTION ANGLES
(Table Values for Angles between 60° & 120° not shown shall be interpolated)

θ	R1	R2	W1	W2
*60°	31'	72'	25'	10'
65°	35'	69'	24'	9'
70°	39'	66'	23'	8'
75°	43'	63'	22'	8'
80°	47'	60'	21'	8'
85°	54'	57'	21'	8'
90°	62'	54'	21'	8'

θ	R1	R2	W1	W2
95°	70'	52'	20'	8'
100°	80'	50'	20'	8'
105°	95'	48'	20'	8'
110°	104'	46'	19'	8'
115°	122'	44'	19'	8'
*120°	143'	42'	19'	8'

* Minimum Int. Angle

* Maximum Int. Angle



SECTION "A"–"A"
CONCRETE CURB
NOTE: To be measured and paid for as Type "B" or "J" Concrete Curb

MAJOR SIDE ROAD INTERSECTION DESIGN DETAILS

To be used only when current ADT on Through Highway is 1500 or over, and on Side Road is Over 200

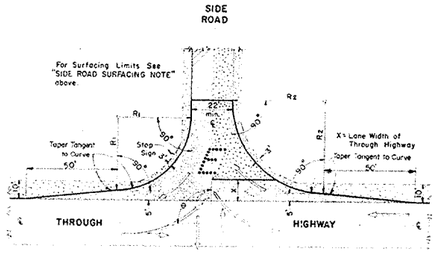


TABLE OF VALUES FOR VARIABLE SIDE ROAD INTERSECTION ANGLES
(Table Values for Angles between 60° & 120° not shown shall be interpolated)

θ	R1	R2
* 50°	40'	50'
65°	40'	50'
70°	40'	50'
75°	40'	50'
80°	40'	50'
85°	40'	50'
90°	40'	50'

θ	R1	R2
95°	40'	49'
100°	50'	48'
105°	55'	47'
110°	60'	46'
115°	65'	45'
**120°	70'	44'

* Minimum Int. Angle

** Maximum Int. Angle

MINOR SIDE ROAD INTERSECTION DESIGN DETAILS

To be used when current ADT on Through Highway is Less than 1500 or on Side Road is Less than 200

GENERAL NOTES

Designs "A" "B" "C" "D" or "E" may be used interchangeably in combination or separately for any one complete intersection depending upon Traffic Volume, intersection angle and Surfacing of each approach roadway.

Details on this drawing are for Minimum Design Only, and not applicable to Special Conditions, as shown elsewhere on the plans.

DESIGN & LAYOUT DETAILS FOR SIDE ROAD AT GRADE INTERSECTIONS
(RURAL IN CHARACTER)

STATE HIGHWAY COMMISSION OF WISCONSIN

RECOMMENDED FOR APPROVAL

DATE 11/17/58 — ENGINEER OF DESIGN

APPROVED

DATE 1/17/58 — E.C. Ruettiger, STATE HIGHWAY ENGINEER

PLATE NO 9.113

ESTIMATE OF QUANTITIES

CONTRACT NO. 182

PROJECT	SHEET NO.	TOTAL SHEETS
S0308(4)	2	29

THIS PROJECT IS TO BE EXECUTED UNDER THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION OF THE STATE HIGHWAY COMMISSION OF WISCONSIN — EDITION OF 1957 SUBMITTED FOR APPROVAL MARCH 28, 1957; FEDERAL AID REQUIRED CONTRACT PROVISIONS APPROVED JAN. 31, 1955; AND SPECIAL PROVISIONS AS ATTACHED TO PROPOSALS.

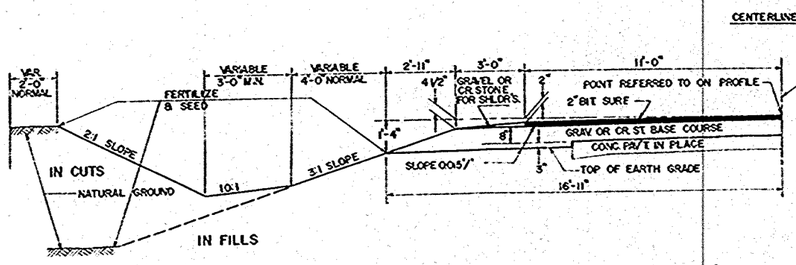
CONTRACT NO.	STATION TO STATION	ITEM NO.	NET LENGTH OF CENTER LINE	CLEARING	GRUBBING	REMOVING PAV'T.	EXCAVATION UNCLASSIFIED	EXCAVATION	SAND GRAVEL F.R.L.	FINISHING ROADWAY	OBLITERATING OLD ROAD	GRAVEL OR CRUSHED STONE BASE COURSE		CULVERT PIPE 18"	CULVERT PIPE 24"	CULVERT PIPE 30"	CORR. METAL PIPE ARCH 18"X11"	CORR. METAL PIPE ARCH 22"X13"	CORR. METAL PIPE ARCH 36"X22"	GUARD FENCE		MARKER POSTS	MARKER POSTS FOR R/W	BITUM. MAT'L. FOR PRIME COAT	SINGLE AGG. BITUM. SURF.	BITUM. MAT'L. FOR SURFACE COURSE	MORTAR RUBBLE DITCH CHECKS	TOP SOIL	SALVAGED TOP SOIL	FERTILIZER	SEEDING
		UNIT	LIN. FT.	L.O.	L.O.	S.Y.	C.Y.	C.Y.	C.Y.	L.S.	STA.	TONS	C.Y.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	EACH	EACH	GAL.	TON	TON	C.Y.	SQ.YD.	SQ.YD.	CWT.	SQ.YD.
				2101-2	2101-5	2105-1	2106-5	2106-	2110-1	2114-1	2116-1	2203-1	220	2411-1	2411-2	2411-3	2411-31	2411-32	2411-33	2523-	2523-	2523-5	2523-6	2311-1	2315-1	2315-2	2516-3	2528-1	2528-2	2531-1	2532-1
1	11+80.4 – 149+01.3		13,720.9	2,235	2,295	2,649	14,178			1	2.5			504	242	32	98	28	68			20					106			46	50,200
2	11+80.4 – 149+01.3		13,720.9									24,880												5,700	4,050	245					
182	11+80.4 – 149+01.3		13,720.9	2,235	2,295	2,649	14,178			1	2.5	24,880		504	242	32	98	28	68			20		5,700	4,050	245	106			46	50,200

CULVERT PIPES

STA.	LOCATION		TYPE	SIZE	LENGTH
27+93	℄ EXT LT & RT		C.M.C.P.	18"	12'-12'
38+24	SD.RD.	LT.	C.P.	24"	30'
39	P.E.	"	"	"	32'
60	"	"	"	30"	"
65	"	"	"	24"	"
65	"	RT.	"	"	"
82	"	LT.	"	"	"
97	"	RT.	C.M.P.A.	18"X11"	"
104	"	LT.	C.P.	24"	"
110	"	RT.	C.P.	"	"
122	SD.RD.	"	C.M.P.A.	36"X22"	36'
124	P.E.	"	"	"	32'
142	"	"	"	18"X11"	22'
143	"	"	"	"	"
143	"	LT.	"	"	"
137+32	℄ EXT LT & RT		C.M.C.P.	24"	4'-4'
144+50	" " " "		"	"	6'-6"
144+75	SD.RD.	RT.	C.M.P.A.	22"X13"	28'
15 EA.	P.E.'S.	LT & RT	C.P.	18"	32'

MARKER POSTS

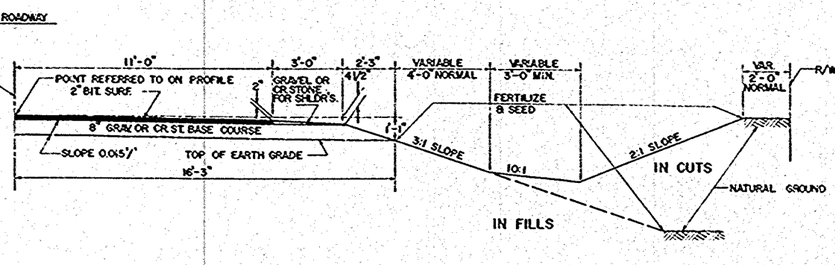
LOCATION	NO.
CULV. PIPES	8
SHOULDER DELINEATION	12
TOTAL	20



GRAVEL OR CRUSHED STONE BASE COURSE 1731 TONS/STA. (BASED ON 4000 LBS/CY COMP. IN PLACE)
" " " " " " FOR SHOULDERS 4.76 " " " (" " 5143 " " " " ")

1/2 NORMAL SECTION, BASE COURSE ON EXISTING PAV'T.

STA.		TO STA.	
"	16+00	"	21+00
"	37+00	"	91+00
"	97+00	"	107+00
"	116+50	"	141+75



GRAVEL OR CRUSHED STONE BASE COURSE 1493.8 TONS/STA. (BASED ON 4000 LBS/CY COMP. IN PLACE)
" " " " " " FOR SHOULDERS 4.76 " " " (" " 5143 " " " " ")

1/2 NORMAL SECTION, ROADWAY GRADING REQ'D.

STA.		TO STA.	
"	11+80	"	16+00
"	21+00	"	37+00
"	91+00	"	97+00
"	107+00	"	116+50

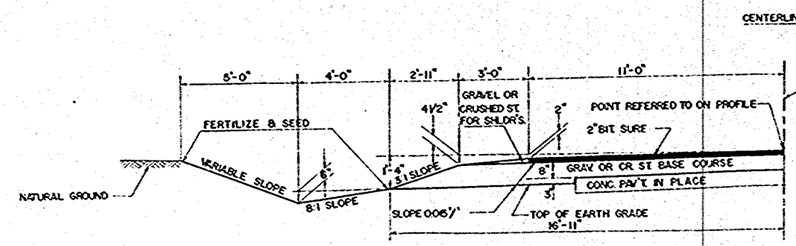
GENERAL NOTES

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

ON ALL HORIZONTAL CURVES, THE NORMAL CROWN SHALL BE REMOVED AND THE EARTH GRADE, BASE COURSE AND PAVEMENT SURFACES SHALL RESULT IN A STRAIGHT LINE SLOPE ACROSS THE ENTIRE WIDTH OF ROADBED.

STANDARD DETAIL DRAWINGS

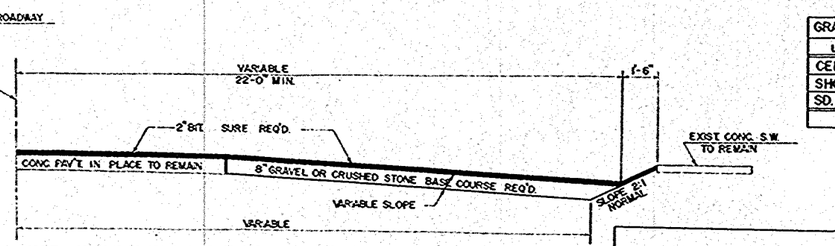
CORR. METAL PIPE ARCH	6-53.1
DETAILS OF P.E. & SD.RD. APPR.	1-31.1
OBLITERATING OLD RD.	1-41.1
MARKER POSTS	7-13.3
CONSTRUCTION BARRICADE	7-4.12
MORTAR RUBBLE DITCH CHECKS	8-1.31
DESIGN & LAYOUT OF SD.RD. INT.	9-1.13



GRAVEL OR CRUSHED STONE BASE COURSE 1731 TONS/STA. (BASED ON 4000 LBS/CY COMP. IN PLACE)
" " " " " " FOR SHOULDERS 4.76 " " " (" " 5143 " " " " ")

1/2 NORMAL SECTION IN EUREKA, BASE COURSE OVER CONC.

STA. 141+75 – STA. 145+00

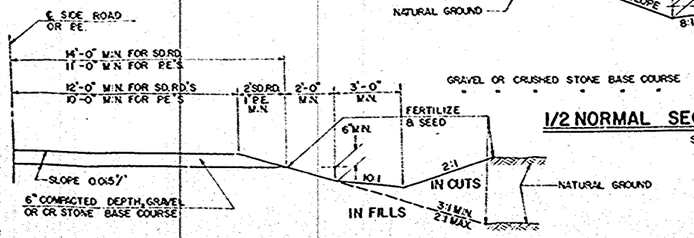


GRAVEL OR CRUSHED STONE BASE COURSE 1481.5 TONS/STA (BASED ON 4000 LBS/CY COMP. IN PLACE)

1/2 NORMAL SECTION IN EUREKA, BIT. SURF. OVER CONC.

STA. 145+00 – STA. 148+70

GRAVEL OR CR. ST. BASE COURSE	
LOCATION	TONS
CENTERLINE	22,610
SHOULDERS	630
SD. RDS. & P.E.'S	1,640
TOTAL	24,880



1/2 SECTION FOR SIDE ROADS & P.E.'S

TYPICAL CROSS SECTIONS FOR 28 FT. ROADBED — 22' BIT. SURF. BIT. SURFACED URBAN WIDENING AND MISCELLANEOUS CONSTRUCTION DETAILS AND QUANTITIES

SCALE VARIABLE

B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S 0308 (4)	3	29

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
1	9+61	SPIKE IN 24" OAK 40' LT.	175.90

CURVE NOTES

P.I. = 13+06.5
∠ = 89°-20'
Δ = 90°-40'
D = 19°-00'
T. = 306.5'
L.C. = 477.2'

TO BERLIN

P.E.

12"X 24' CULV. PIPE IN PLACE TO REMAIN

H.

SURVEY P.C. = STA. 10+00

SURV. ℄

SURVEY P.T. = STA. 14+77.2

CULT.

24"X46' CULV. PIPE IN PLACE TO REMAIN

S.T.H. 116 (CONC.)

TO WAUKAU

STH 116 - CTH "E" INTERSECTION
INTERSECTION DESIGN "E" REQUIRED AS PER STD. DETAIL DRWG. 9-1.1.3

CONST. ℄

REMOVE 12"X16' CULV. PIPE

P.E.

F.E.

CULT.

REMOVE 12"X 15' CULV. PIPE

10 15 20 25 30 35

P.I. = STA. 34 + 66.9
∠ = 180°-32'-30"

C.T.H. "E" (CONC.)

N. 1°-49' W.

33'

33'

EXIST R/W LINE

EXIST R/W LINE

F.E.

F.E.

REMOVE 12" X 16' CULV. PIPE

CULT.

12"X 16' CULV. PIPE REMOVE

F.E.

CULT.

CULT.

NET LENGTH OF CENTERLINE		
STATION TO STATION		LIN. FT.
111+80.4	35+00	2319.6
-		

STA. 111+80.4 BEGIN PROJ. S0308(4)

GENERAL NOTES

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

C.Y. OF FILL PERTAINS TO EMBANKMENT CONSTRUCTED FROM UNCLASSIFIED EXCAVATION AND IS COMPUTED WITH A SHRINKAGE ALLOWANCE VARYING FROM 35% - 45%.

THE EXACT LOCATION OF PRIVATE ENTRANCE PIPES & MARKER POSTS SHALL BE DETERMINED BY THE ENGR. IN THE FIELD.

LEGEND

	DRAINAGE FLOW
	FACILITY TO BE REMOVED
	OLD ROAD OBLITERATION
C.Y.	CUBIC YARDS
UNC. EXC.	UNCLASSIFIED EXCAVATION
P.E.	PRIVATE ENTRANCE
F.E.	FIELD ENTRANCE
C.M.P.A.	CORRUGATED METAL PIPE ARCH
C.G.S.M.C.P.	CORRUGATED GALV. SHEET METAL CULV. PIPE

#85

UNC. EXC. 1764 C.Y.
FILL 1234 C.Y.

#102

UNC. EXC. 912 C.Y.
FILL 799 C.Y.
USE 118 C.Y. OLD CONCRETE

#96

-0.45%

PC+50 176.96

300' VC.

+0.27%

PT+50

FINISHED GRADE

PRESENT PROFILE

0.0 LT 172.4

+0.3% LT.

P.I.+00 176.29

0.0 LT 175.3

-1.26%

PC+00 172.33

400' VC.

P.I.+00 169.81

PT+00 171.03

+0.61%

DGLT 1658 DGRT 1670

+0.5% RT

+1.5% LT

DGLT 1668 DGRT 1680

PC+50 173.16

600' VC.

P.I.+50 175.00

-1.38%

STA. 27+93
18" X 34" C.G.S.M.C.P. IN PLACE
EXTEND LT 12 RT 12

180 170 160

5 +50 6 +25 +50 +75 7 8 9 10 +50 1 +07 2 +50 3 +50 4 +50 15 6 7 8 9 20 1 2 3 4 25 6 7 8 9 30 1 +50 2 3 4 +50 35 6 7

178.22 178.09 177.64 177.19 176.96 176.77 176.35 176.66 176.84 176.98 177.06 176.05 174.85 173.59 172.33 171.30 170.75 170.65 171.03 171.64 172.25 172.86 173.16 173.37 173.15 172.09 171.26 170.21 167.50 165.95

PLATE - PLAN-PROFILE & X-SECTIONS

B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S0308(4)	4	29

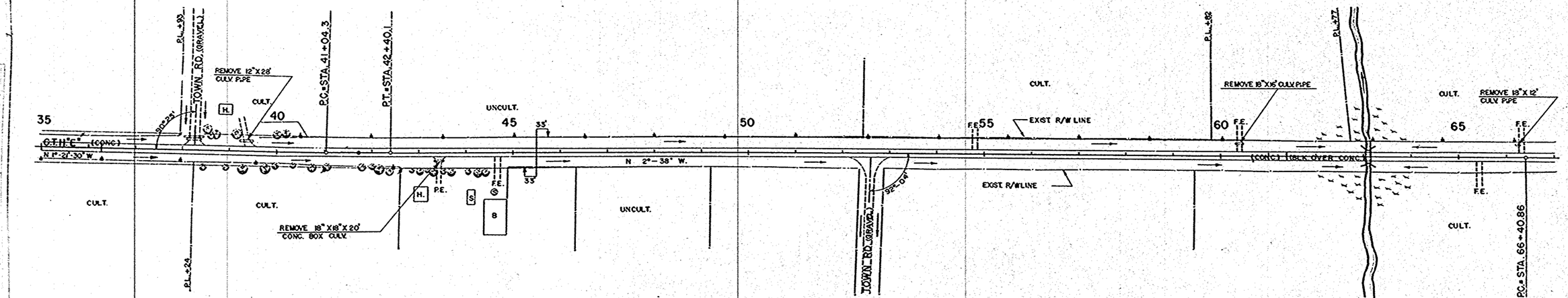
BENCH MARKS

NO.	STATION	DESCRIPTION		ELEV.
2	38+40	SPIKE IN 16" ELM	126'LT.	158.19
3	45+00	SPIKE IN ϕ	30'LT.	136.03
4	63+05	PT. MK. ON SE. WINGWALL BRIDGE		108.25

STA 38+24 SD. RD. LT.
REMOVE 24" X 30' CULV. PIPE
24" X 36' CULV. PIPE REQ'D.

CURVE NOTES

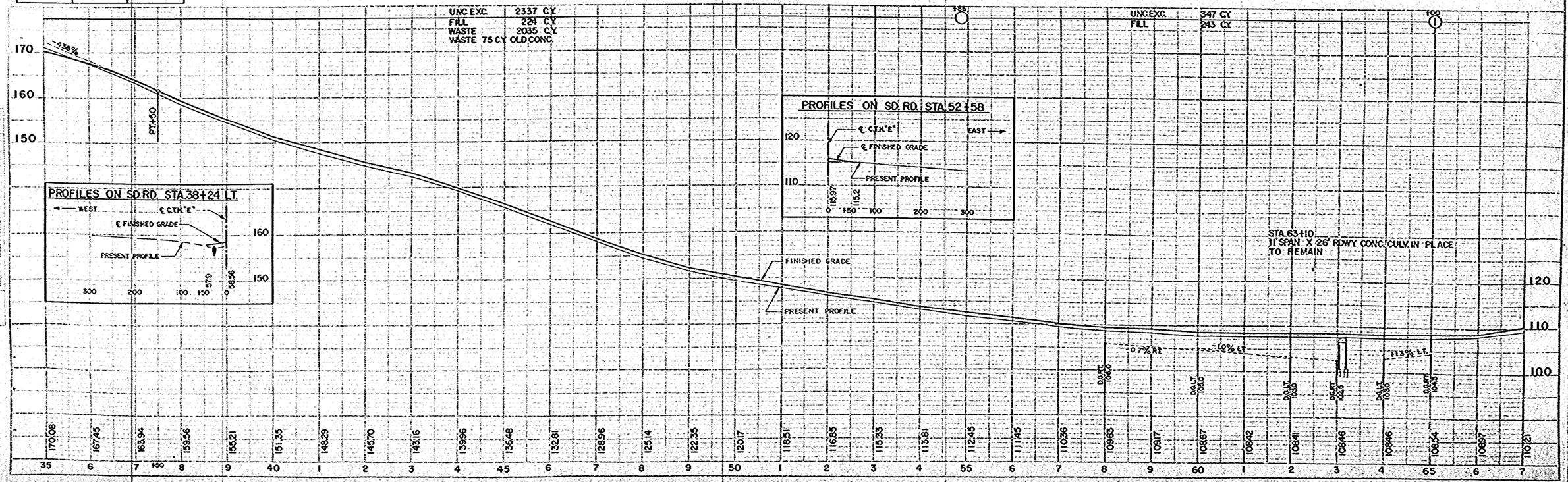
P.I. = STA. 41+72.2
∠ = 178°-38'-30"
Δ = 1°-21'-30"
D = 1°-00'
T = 67.92'
L.C. = 135.8'
S.E. = 0.02 FT/FT.



NET LENGTH OF CENTERLINE		
STATION TO STATION		LIN. FT.
35+00	65+00	3000

UNC. EXC. 2337 C.Y.
FILL 224 C.Y.
WASTE 2035 C.Y.
WASTE 75 C.Y. OLD CONC.

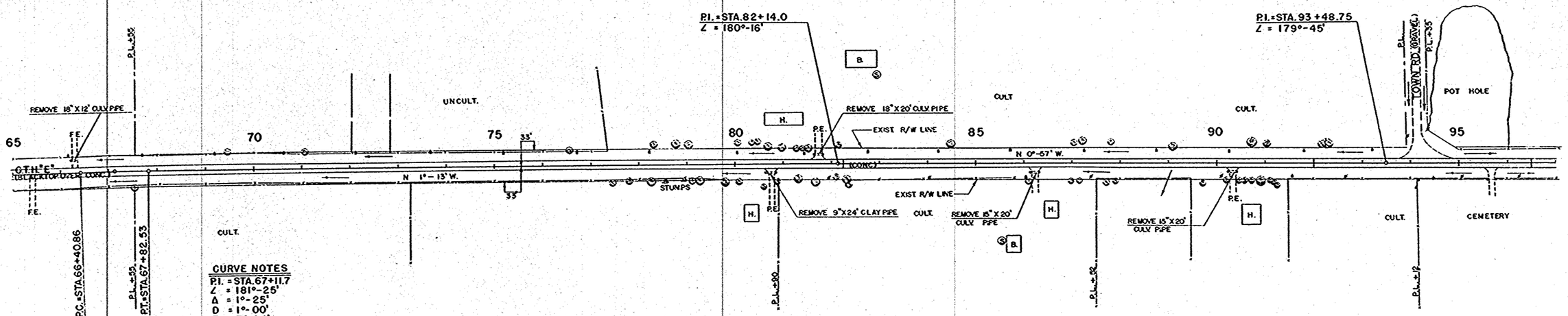
UNC. EXC. 347 C.Y.
FILL 243 C.Y.



B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S0308(4)	5	29

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
5	69+45	SPIKE IN 12" APPLE 30'LT.	114.16
6	80+10	" " 24" MAPLE 27'RT.	144.80
7	86+88	" " 14" ELM 84'RT.	164.80
8	94+92	" " 20" MAPLE 36'RT.	193.41

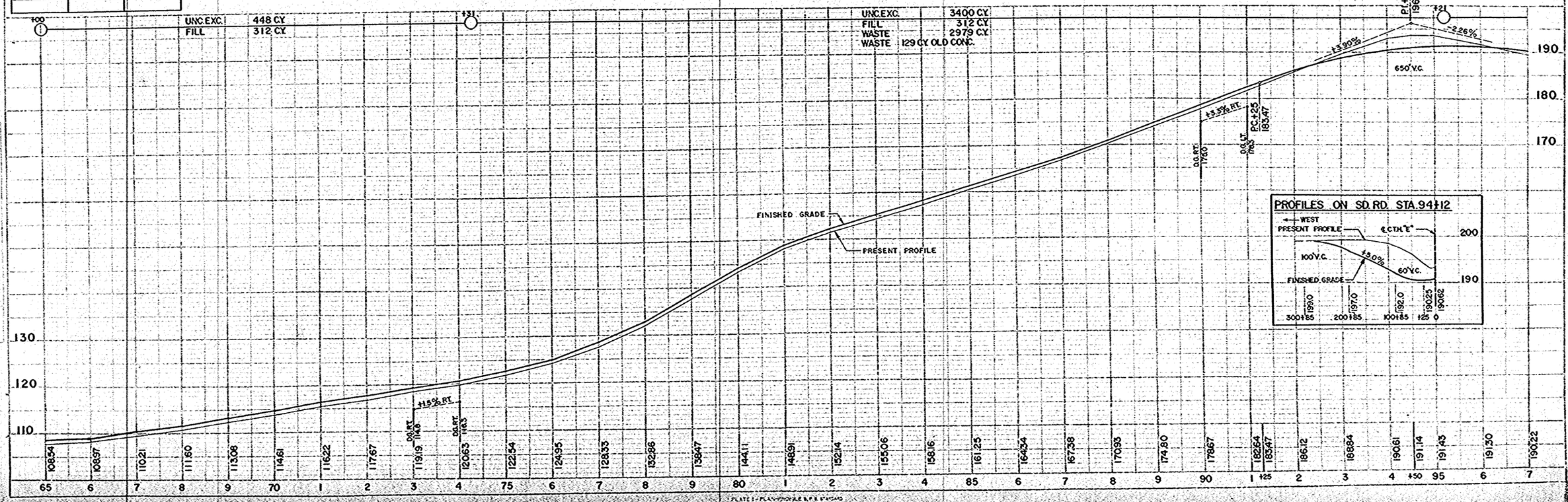


CURVE NOTES
P.I. = STA.67+11.7
Δ = 181°-25'
D = 1°-25'
T = 70.84'
L.C. = 141.67'
S.E. = 002 FT/FT.

NET LENGTH OF CENTERLINE		
STATION TO STATION		LIN. FT.
65+00	95+00	3000

UNC.EXC. 448 CY
FILL 312 CY

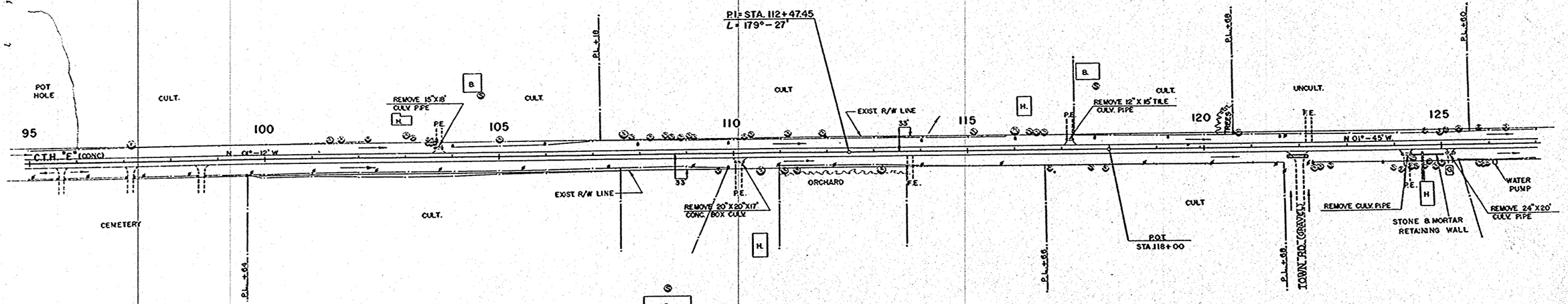
UNC.EXC. 3400 CY
FILL 312 CY
WASTE 2979 CY
WASTE 129 CY OLD CONC.



BPR DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S 0308(4)	6	29

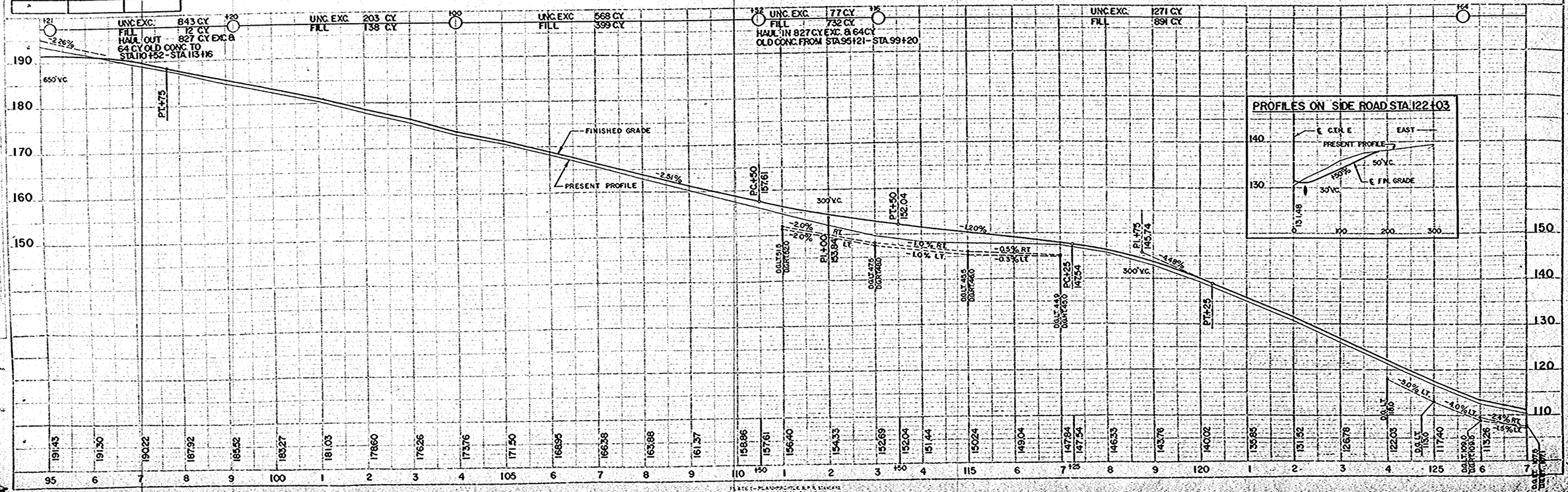
BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
9		SPIKE IN 24" ELM 35' RT.	184.59
10	110+36	PT. MK S.W. COR. CONC. PORCH 150' RT.	160.82
11	116+73	SPIKE IN 16" HICKORY 33' RT.	148.64



STA 122+03 SD. RD. RT.
REMOVE 24" X 33' CULV. PIPE
36" X 22" X 36' CM.P.A. REQ'D.

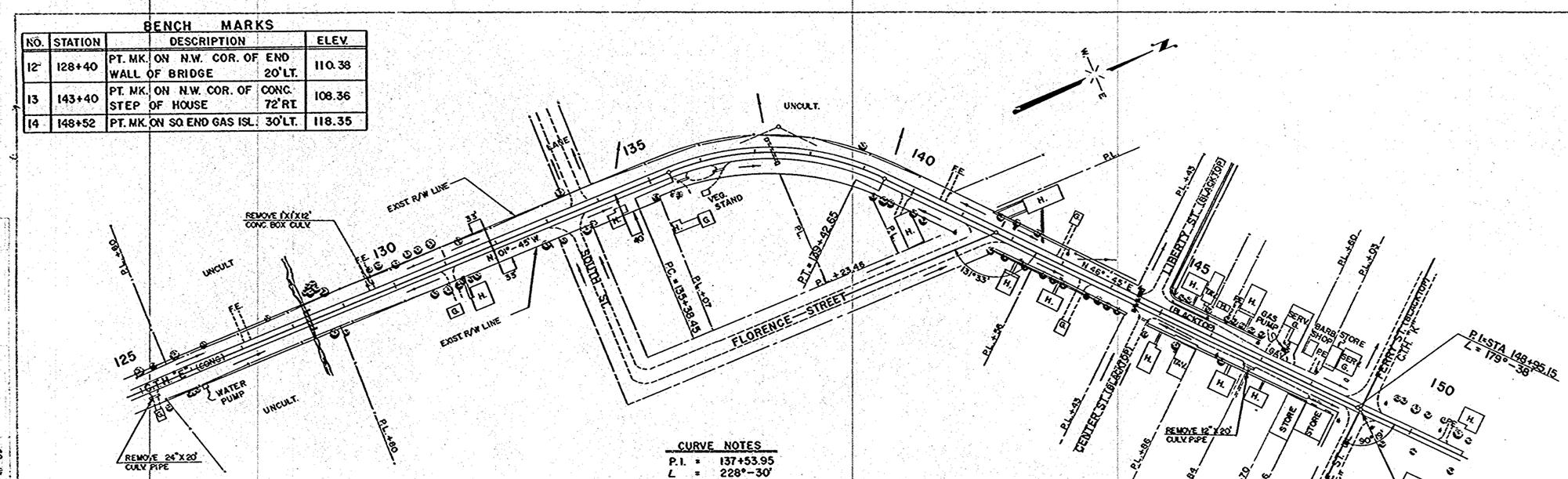
NET LENGTH OF CENTERLINE		
STATION TO STATION		L.IN. FT.
95+00	125+00	3000



E.F.H. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S0308(4)	7	29

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
12	128+40	PT. MK. ON N.W. COR. OF WALL OF BRIDGE END 20'LT.	110.38
13	143+40	PT. MK. ON N.W. COR. OF STEP OF HOUSE CONC. 72'RT.	108.36
14	148+52	PT. MK. ON SQ. END GAS ISL. 30'LT.	118.35



NET LENGTH OF CENTERLINE		
STATION TO STATION		LIN. FT.
125+00	149+013	2401.3

CURVE NOTES

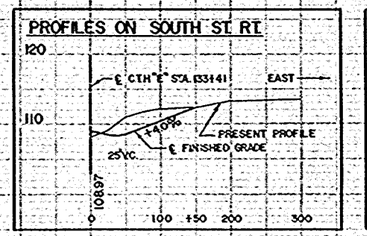
P.I.	=	137+53.95
L	=	228°-30'
Δ	=	48°-30'
D	=	12°
T	=	215.5
L.C.	=	404.2
S.E.	=	0.065 FT/FT

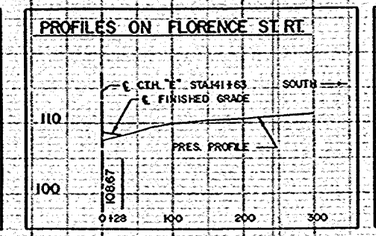
STA. 144+75 SIDE STREET RT.
REMOVE 18"X18' CULV. PIPE
22"X13"X28' C.M.P.A. REQ'D.

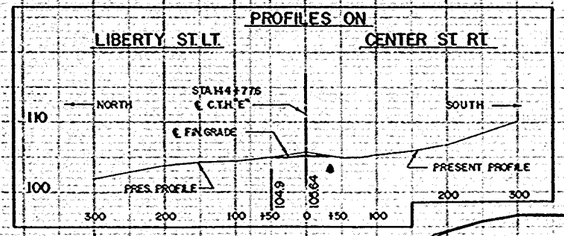
UNC. EXC. 198 C.Y.
FILL 138 C.Y.

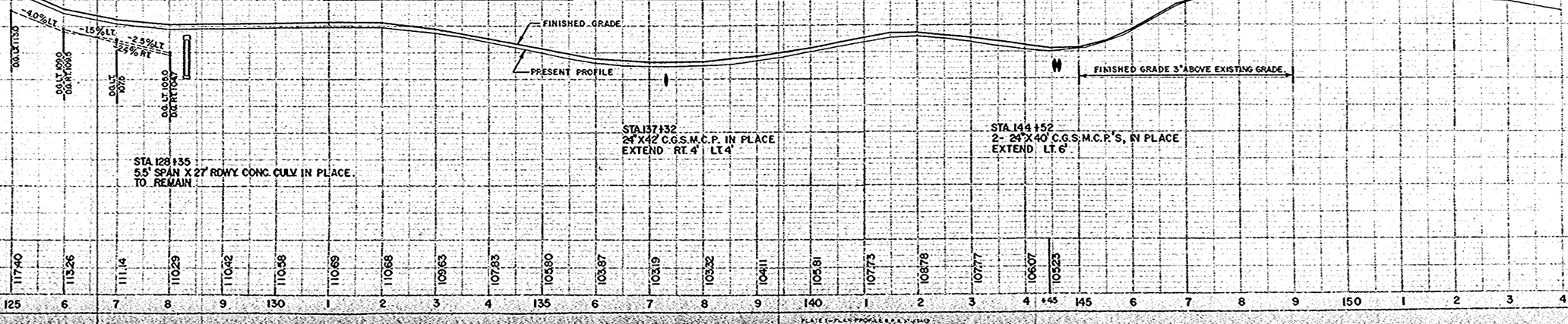
UNC. EXC. 1810 C.Y.
FILL 100 C.Y.
WASTE 1667 C.Y.

STA. 149+013 END
PROJ. S0308(4)









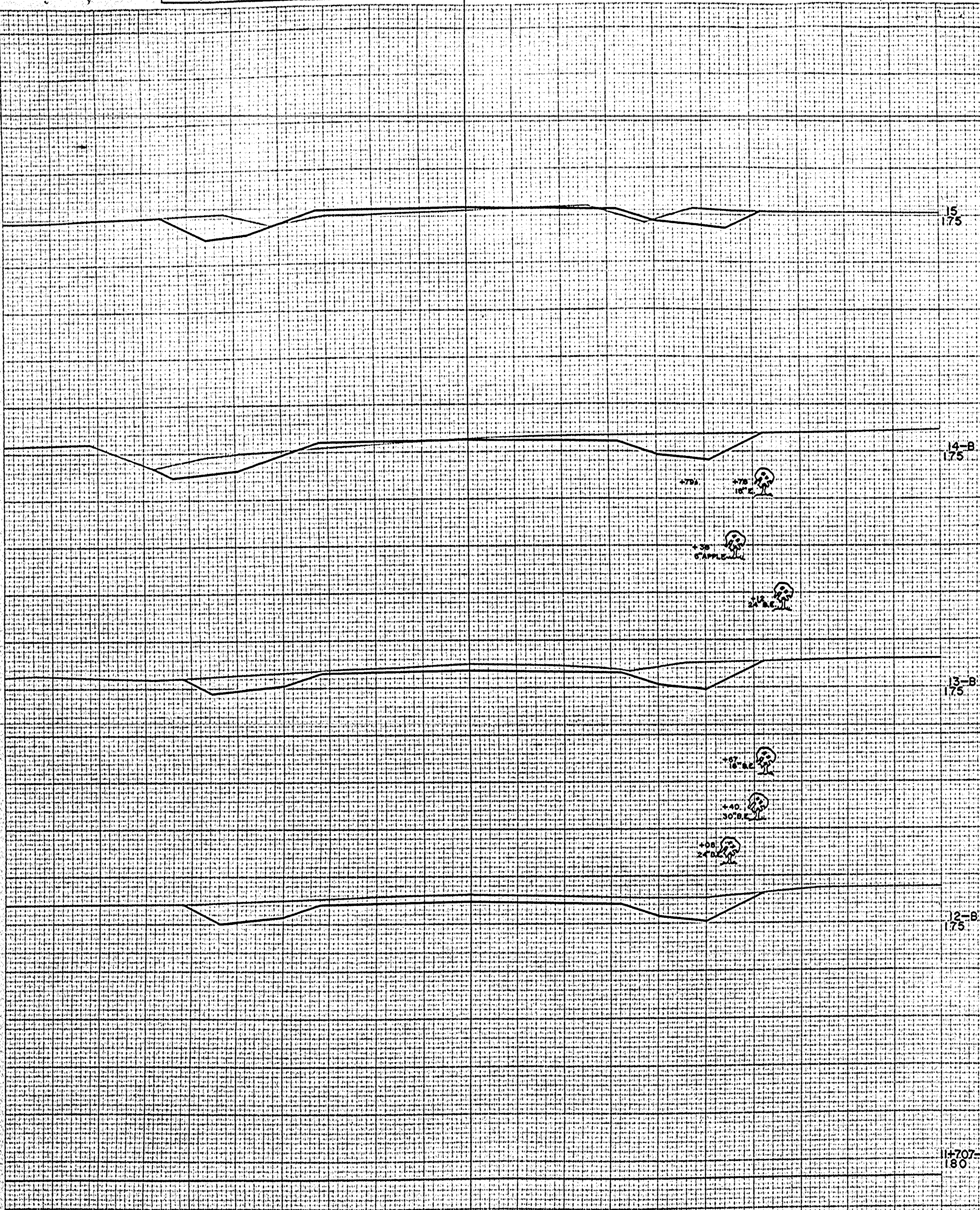
STA. 128+35
5.5' SPAN X 27' RDWY. CONC. CULV. IN PLACE
TO REMAIN

STA. 137+32
24"X42 C.G.S.M.C.P. IN PLACE
EXTEND RT. 4' LT. 4'

STA. 144+52
2- 24"X40 C.G.S.M.C.P.'S, IN PLACE
EXTEND LT. 6'

ORIGINAL SURVEY		BY	DATE
NOTE BOOK NO. 40	SURVEYED	R. W. N.	9-57
	PLOTTED	M. H. N.	10-57
	TEMPLATE	R. C. K.	10-57
	AREAS	W. R. K.	11-57
	AREAS CHECKED	K. E. G. JR.	11-57

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



STATION	DISTANCE	YARDAGE EXCAVATION UNC.				FILL
11+85						
		19				
12						
		244				
13						
		27				9
14						
		167				33
15						
SHEET TOTAL		647				42

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S0308(4)	16	29

STATION	DISTANCE	YARDAGE EXCAVATION UNC.	FILL
15			
	91		39
16			
	41		37
17			
	39		39
18			
	76		26
19			
	135		11
20			
	146		17
21			
	98		32
22			
	69		35
23			
	76		28
24			
	111		20
25			
	122		28
26			
	57		76
27			
	15		115
28			
	22		246
29			
SHEET TOTAL	1098		749

FINAL SURVEY
NOTE BOOK
NO.
SURVEYED
PLOTTED
TEMPLATE
AREA CHECKED

ORIGINAL SURVEY
NOTE BOOK
NO. 40
SURVEYED
PLOTTED
AREA

STA.	
P.O.C.	0-27
P.C.	0-57
P.C.C.	10-97
P.T.	11-57
P.C.C.	
P.T.	

29 165 | 28 165 | 27 165 | 26 170 | 25 170 | 24 170 | 23 170 | 22 175 | 21 175 | 20 175 | 19 175 | 18 175 | 17 175 | 16 175

3

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S0308(4)	17	29

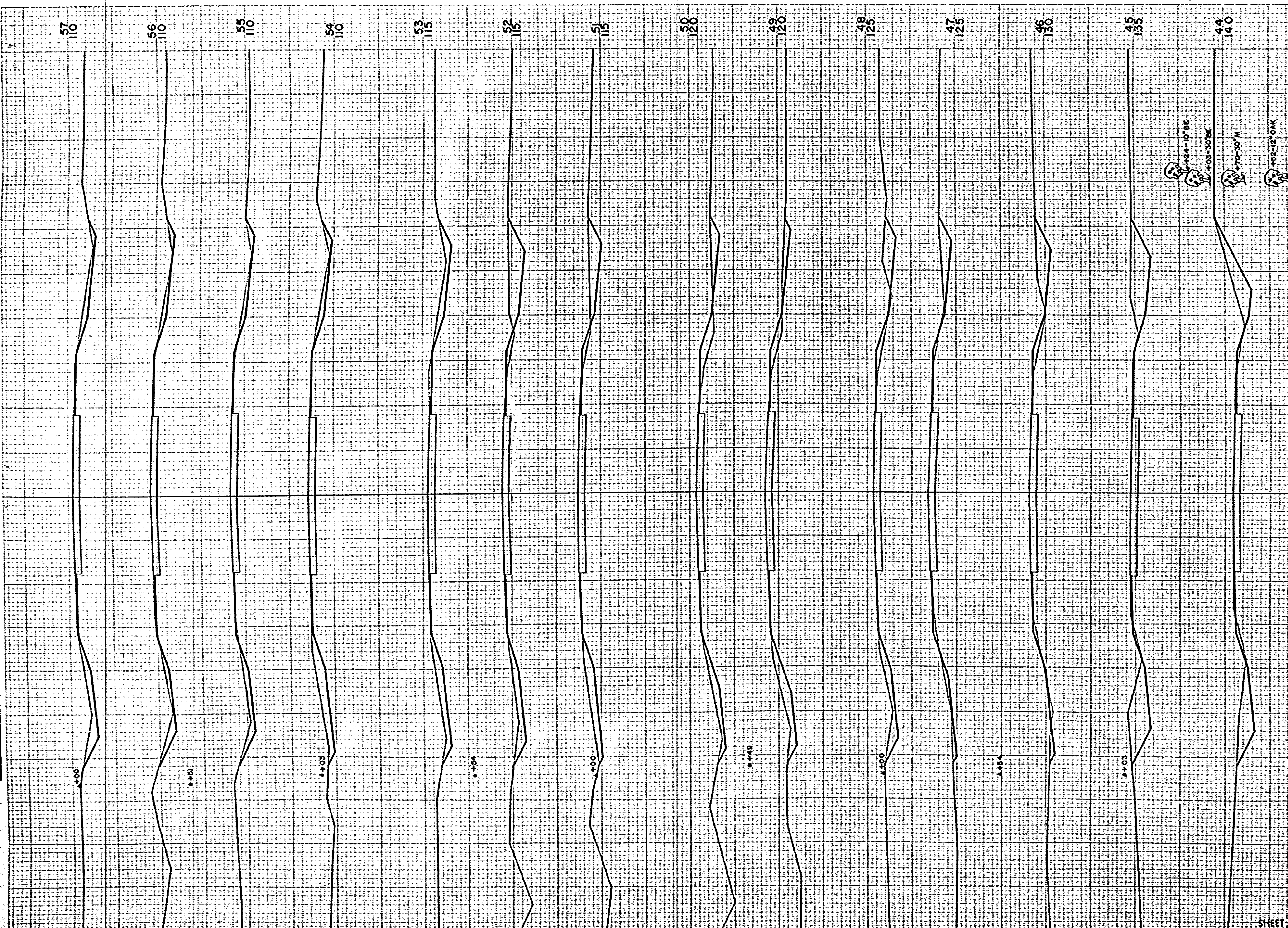
STATION	DISTANCE	YARDAGE EXCAVATION UNC.	FILL
29	19		435
30	20		435
31	52		281
32	137		91
33	307		0
34	413		0
35	374		0
36	322		0
37	226		6
38	139		18
39	89		31
40	59		35
41	85		28
42	122		15
43			
SHEET TOTAL	2364		1375

FINAL SURVEY — NOTE BOOK NO.

ORIGINAL SURVEY — NOTE BOOK NO. 40

PLATE 3 CROSS SECTION B.P.R. 68 E STANDARD
THE FREDERICK POST CO., CHICAGO

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S 0308 (4)	18	29

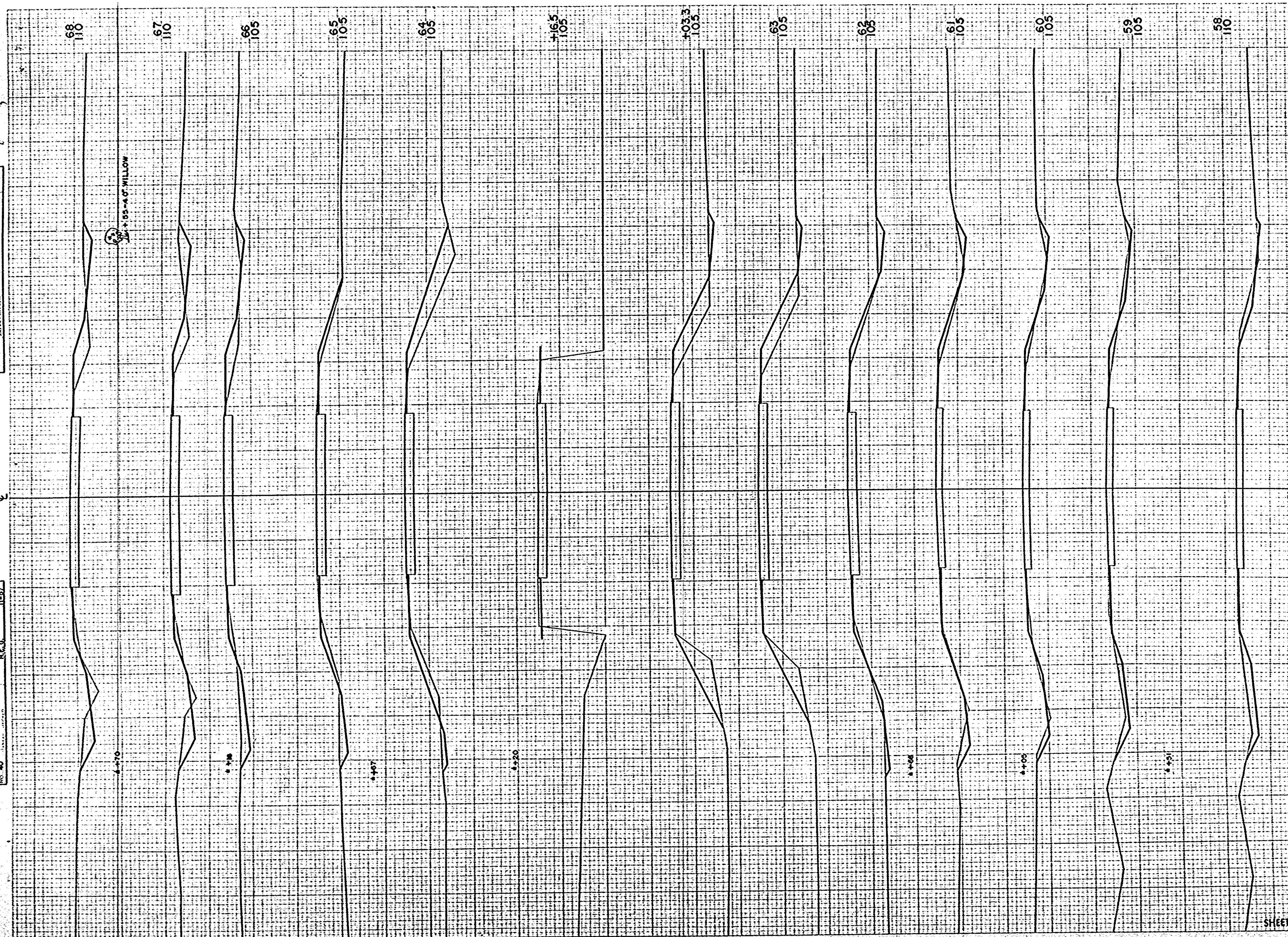


STATION	DISTANCE	YARDAGE EXCAVATION UNC.				FILL
43						
		119				6
44						
		119				4
45						
		95				9
46						
		44				11
47						
		56				9
48						
		59				11
49						
		50				15
50						
		63				13
51						
		83				7
52						
		85				4
53						
		78				0
54						
		81				2
55						
		50				2
56						
		57				0
57						
SHEET TOTAL		1019				93

ORIGINAL SURVEY		BY	DATE
	SURVEYED	R.D.N.	9-57
	PLOTTED	F.J.R.	10-57
NOTE BOOK	TEMPLATE	R.C.K.	10-57
NO. 40	AREAS	R.C.K.	11-57
	AREAS CHECKED	H.E.O. JR.	11-57

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

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S0308(4)	19	29

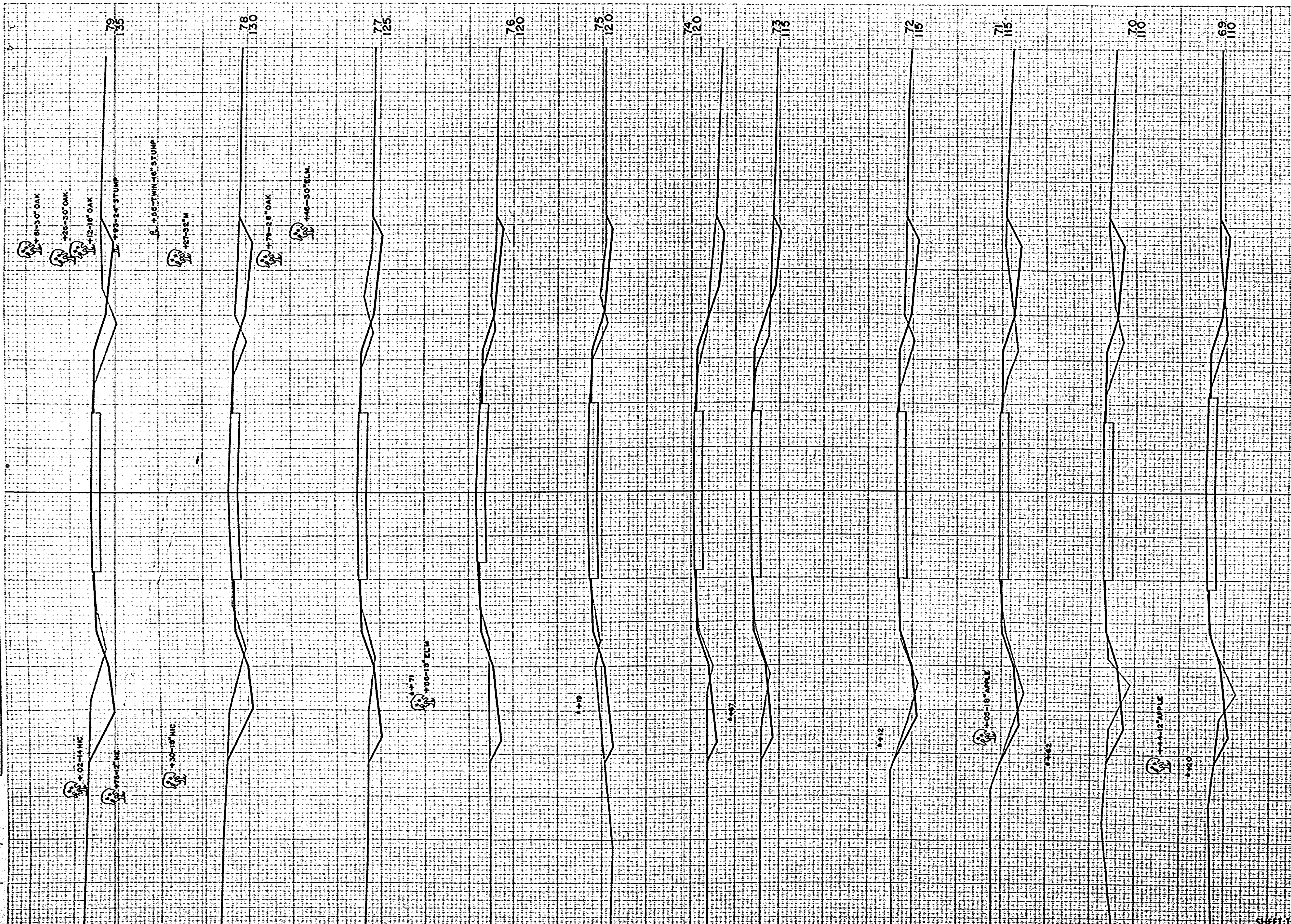


ORIGINAL SURVEY — SURVEYED / PLOTTED / TEMPLATE / AREAS — NOTE BOOK NO. 40

FINAL SURVEY — SURVEYED / PLOTTED / TEMPLATE / AREAS

STATION	DISTANCE	YARDAGE EXCAVATION UNC.			FILL
57					
		69			0
58					
		48			4
59					
		30			9
60					
		21			13
61					
		26			17
62					
		22			50
63					
		0			4
+03.3					
		0			0
+16.5					
		9			83
64					
		17			61
65					
		30			28
66					
		43			33
67					
		44			41
68					
SHEET TOTAL		349			343

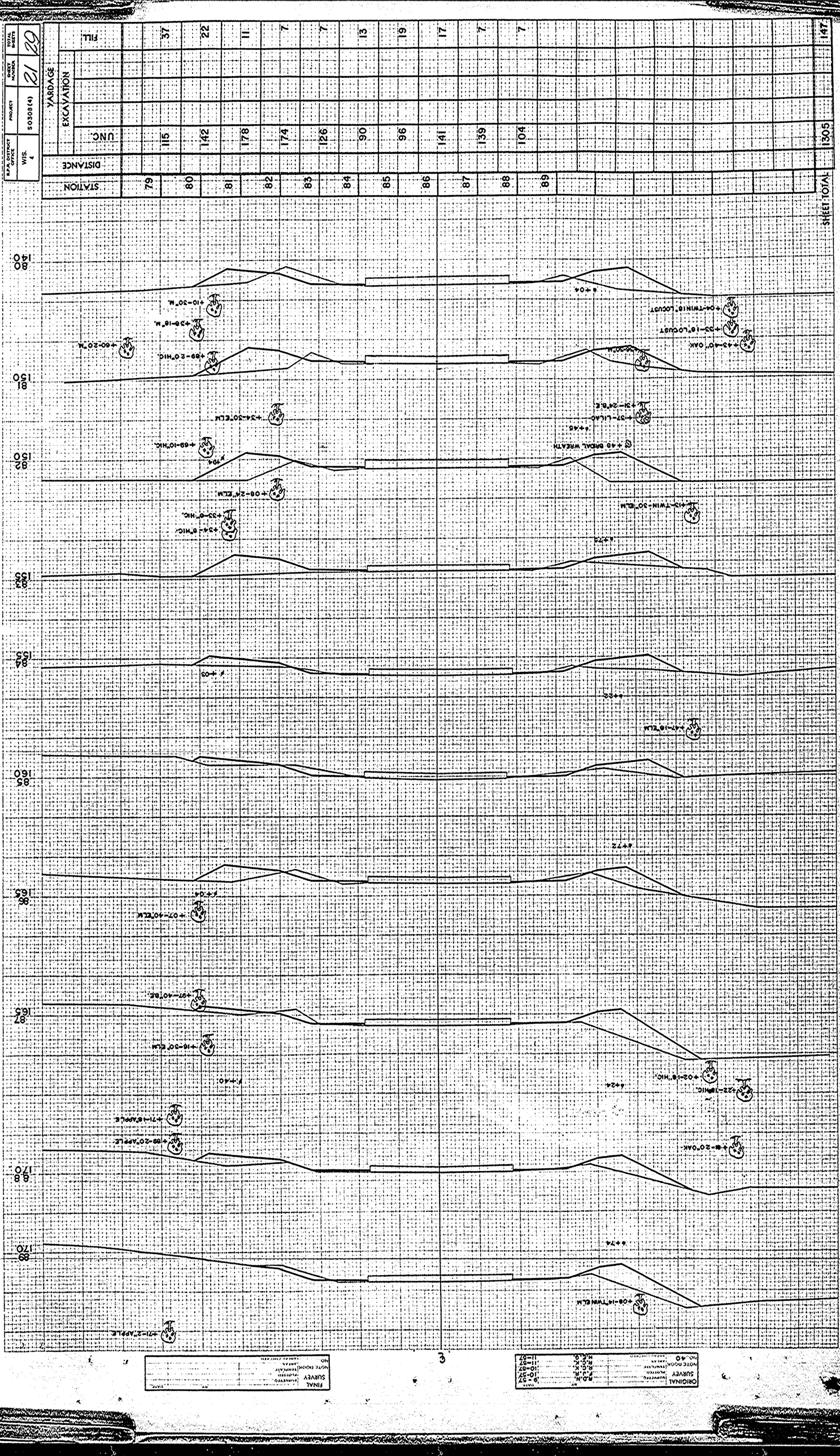
R.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S0308(4)	20	29



STATION	DISTANCE	YARDAGE EXCAVATION UNC.				FILL
68						
		41				44
69						
		52				39
70						
		56				39
71						
		54				33
72						
		54				28
73						
		53				22
74						
		67				17
75						
		72				19
76						
		78				19
77						
		102				19
78						
		111				32
78						
SHEET TOTAL		740				311

E.P.A. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S0308(4)	21	129

STATION	DISTANCE	YARDAGE EXCAVATION UNC.	YARDAGE EXCAVATION FILL
79			
		115	37
80			
		142	22
81			
		178	11
82			
		174	7
83			
		126	7
84			
		90	13
85			
		96	19
86			
		141	17
87			
		139	7
88			
		104	7
89			
SHEET TOTAL		1305	147



FINAL SURVEY — NOTE BOOK

ORIGINAL SURVEY — NOTE BOOK NO. 40

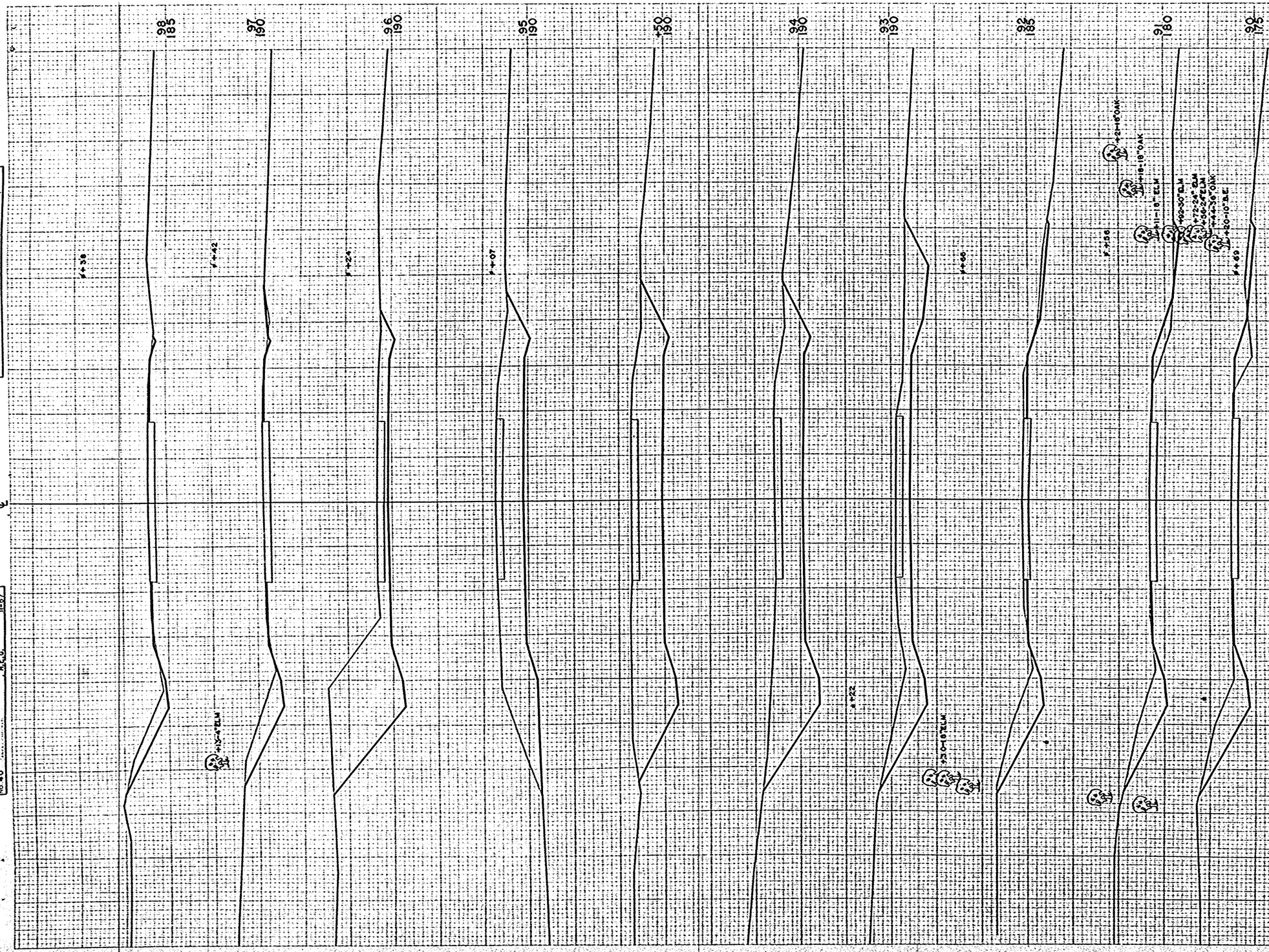
PLAT 2-CROSS SECTIONS

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S0308(4)	22	29

FINAL SURVEY — SURVEYED / PLOTTED / COMPLETED / CHECKED — DATE — NOTE BOOK — NO.

ORIGINAL SURVEY — SURVEYED / PLOTTED / COMPLETED / CHECKED — DATE — NOTE BOOK — NO. 40

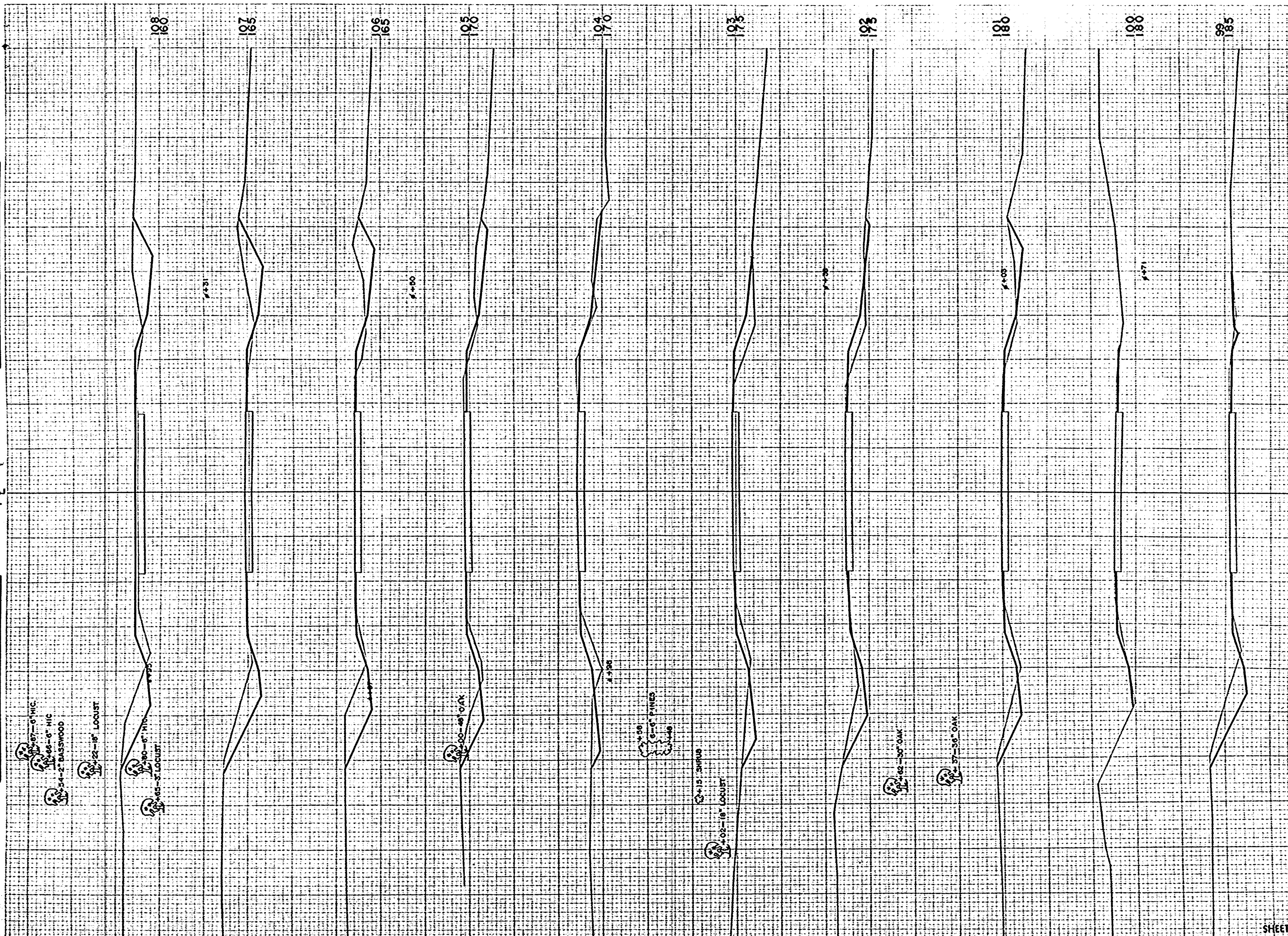
BY	DATE
R.D.M.	10-57
R.C.K.	10-57
R.C.K.	11-57
R.C.G.	11-57



STATION	DISTANCE	YARDAGE EXCAVATION UNC.	FILL
89			
	118		24
90			
	119		29
91			
	109		11
92			
	219		0
93			
	444		0
94			
	294		0
+50			
	278		0
95			
	507		0
96			
	300		2
97			
	66		2
98			
SHEET TOTAL		2456	68

PLATE 3 CROSS SECTION P. P. & R. DIAGRAM
THE PRESTRESS PIPE CO., CHICAGO

W.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S0308(4)	23	29



FINAL SURVEY NOTE BOOK NO.

ORIGINAL SURVEY NOTE BOOK NO. 40

STATION	DISTANCE	YARDAGE EXCAVATION UNC.			FILL
98					
		65			6
49					
		41			9
100					
		35			18
1					
		59			28
2					
		41			41
3					
		35			44
4					
		63			24
5					
		100			17
6					
		119			13
7					
		124			26
8					
SHEET TOTAL		682			226

S.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S0308(4)	24	29

STATION	DISTANCE	YARDAGE EXCAVATION UNC.	FILL
108			
	100		72
9			
	46		140
10			
	30		206
11			
	32		254
12			
	26		322
13			
	33		357
14			
	33		289
15			
	39		181
16			
	117		67
17			
	146		4
18			
SHEET TOTAL	602		892

FINAL SURVEY

ORIGINAL SURVEY
NOTEBOOK NO. 40

	BY	DATE
SURVEYED	R.D.K.	10-97
PLOTTED	R.D.K.	10-97
CHECKED	S.E.P.	10-97
AREAS	R.E.S.	10-97

118 145
117 145
116 145
115 145
114 145
113 150
112 150
110 150
109 150
109 160

+93-19"OAK
+64-18"OAK
+74-18"HIC.
+46-20"HIC.
+38-30"M.
+10-18"HIC.
+38-30"OAK
+68-18"HIC.
+62-18"M.
+46-24"M.
+31-20"M.
+02-24"M.
+13-10"OAK
+89-8"B.E.
+10-8"OAK
+37-10"OAK
+23-6"HIC.
+13-6"HIC.
+07-6"HIC.

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S0308(4)	25	29

STATION	DISTANCE	YARDAGE EXCAVATION UNC.	FILL
118			
	102		5
19			
	105		4
120			
	126		2
21			
	174		0
22			
	139		2
23			
	78		5
24			
	119		13
125			
	102		30
26			
	74		33
27			
	57		50
28			
SHEET TOTAL		1076	144

FINAL SURVEY — SURVEYED / PLOTTED / TEMPLATE / AREA / NOTE BOOK / NO.

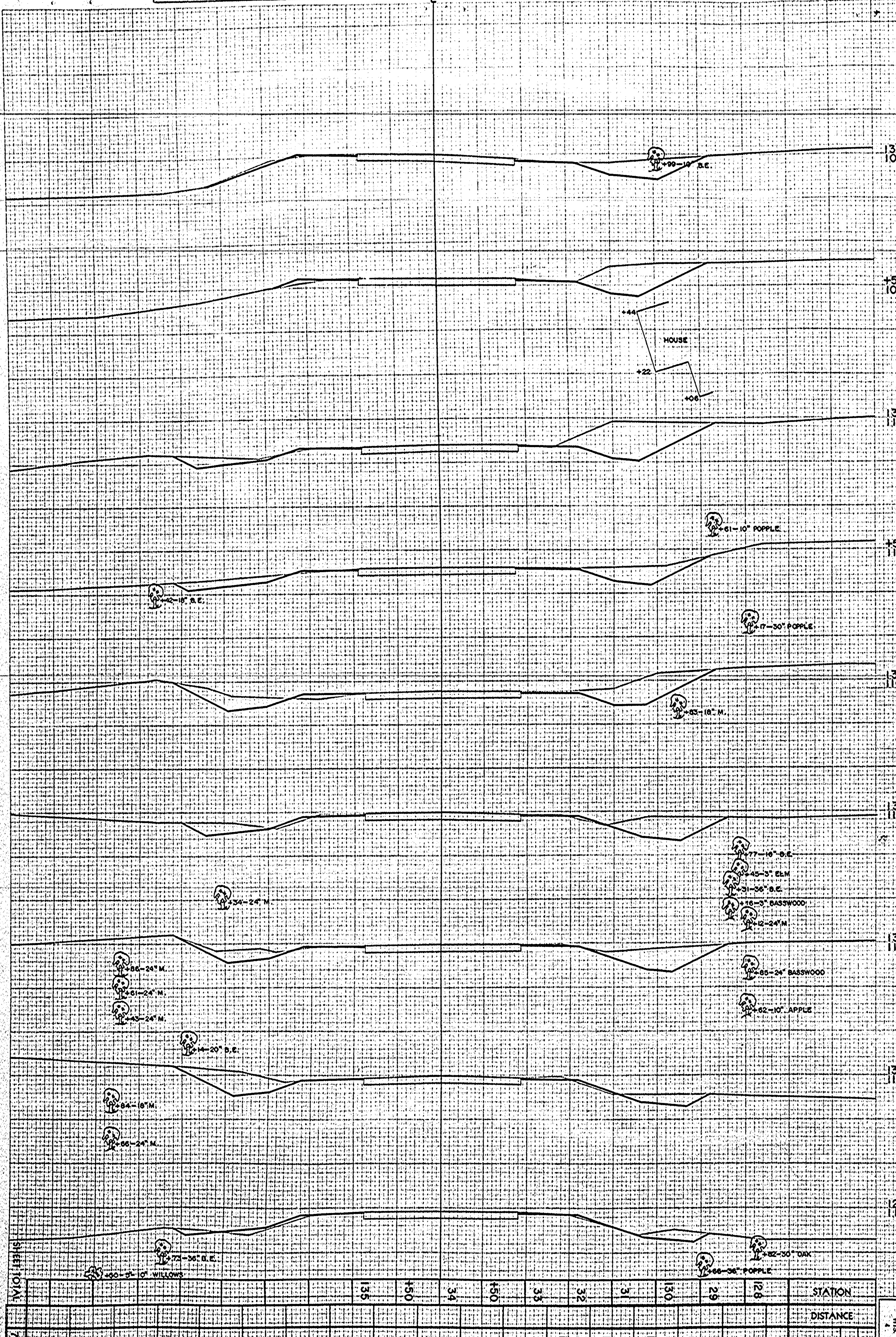
ORIGINAL SURVEY — SURVEYED / PLOTTED / TEMPLATE / AREA / NOTE BOOK / NO. 40

R.O.W. — 9-67, 10-67, 11-67
P.J.R. — 10-67
R.C.K. — 10-67
M.E.O. — 11-67

PLATE 3 CROSS SECTION O. P. R. B. R. D. STANDARD
USE FRANKLIN PRINT CO., CHICAGO

ORIGINAL SURVEY		BY	DATE
NOTE BOOK NO. 40	SURVEYED	R.O.N.	9-57
	PLOTTED	F.J.R.	10-57
	TEMPLATE	R.C.K.	10-57
	AREAS	R.C.K.	11-57
	AREAS CHECKED	H.E.O.	11-57

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



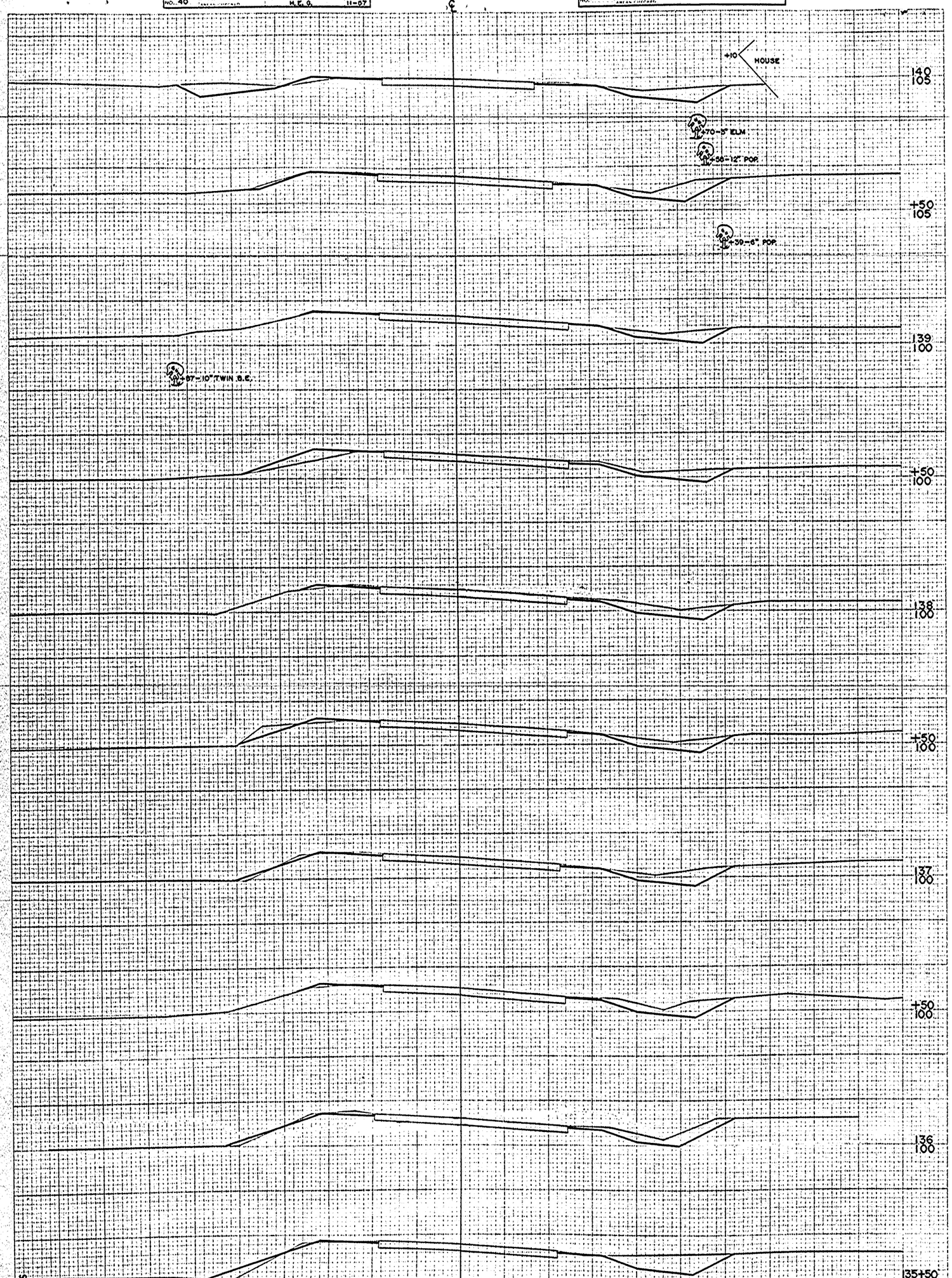
STATION	DISTANCE	YARDAGE EXCAVATION UNC.				FILL
128						
		30				44
29						
		76				9
130						
		120				2
31						
		122				4
32						
		146				9
33						
		72				4
+50						
		80				2
34						
		81				1
+50						
		50				2
135						
SHEET TOTAL		777				77

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S 0308(4)	26	29

PLATE 3 CROSS SECTION O. P. & B. E. STANDARD
THE FREDERICK POST CO., CHICAGO

ORIGINAL SURVEY	BY	DATE
SURVEYED	R.D.N.	9-07
PLOTTED	P.J.R.	10-07
TEMPLATE	R.C.K.	10-07
AREAS	R.C.K.	11-07
AREAS CHECKED	H.E.G.	11-07
NOTE BOOK NO. 40		

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



STATION	DISTANCE	UNC.	EXCAVATION	FILL
135				
+50		43		5
136		35		7
+50		31		2
137		32		2
+50		32		4
138		31		4
+50		26		9
139		22		7
+50		28		0
140		39		2
SHEET TOTAL		319		42

YARDAGE

U.S. ENGINEER OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS 4	S 03008 (4)	27	29

PLATE 3-CROSS SECTION OF LEVEE
U.S. ENGINEER OFFICE CHICAGO

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S0308(4)	28	29

FINAL SURVEY
ADJUSTED
PLOTTED
NOTE BOOK
NO.
DATE

ORIGINAL SURVEY
ADJUSTED
PLOTTED
NOTE BOOK
NO. 40

R.O.W.	9-57
P.S.R.	10-57
R.C.K.	11-57
N.E.O.	11-57

+13 105
145 105
+92-10" WILLOW
+45 105
144 105
+29-24" ELM
+08-24" ELM
+08-18" ELM
+66-20" D.E.
+50 105
+15-16" ELM
143 105
+97-12" BASSWOOD
+79-30" D.E.
+50 110
+43-6" D.E.
+28-30" D.E.
142 110
+02-3" ELM
+74 110
+74-40" D.E.
+50 108
+04"
141 105
140+50 105
+36-24" ASH
+12-3" D.E.
+36-20" ELM
+22-16" D.E.
+05-24" D.E.
+40
+01
+36-12" ELM
+04
+62-16" D.E.
+03-24" D.E.

STATION	DISTANCE	YARDAGE EXCAVATION UNC.	FILL
140			
		54	6
+50			
		69	4
41			
		56	0
+50			
		3	0
+74			
		7	0
142			
		11	0
+50			
		11	4
43			
		9	5
+50			
		7	4
144			
		7	2
+45			
		44	0
145			
		7	0
113			
SHEET TOTAL		305	25

PLATE 3 - CROSS SECTION O. P. R. & B. E. STANDARD
THE FREDERICK POST CO., CHICAGO

R.P.A. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S 0308 (4)	29	29

FINAL SURVEY — SURVEYED / PLOTTED / NOTE BOOK / NO. / DATE

ORIGINAL SURVEY — SURVEYED / PLOTTED / NOTE BOOK / NO. 40 / DATE 9-57

R.O.W. 10-57
R.C.K. 11-57
H.E.G. 11-57

STATION	DISTANCE	YARDAGE EXCAVATION UNC.	FILL
145			
+13	39		0
+50	39		0
+83	18		0
46	46		0
+50	37		0
+83	22		0
47	69		0
+50	69		0
48	67		0
+50	33		0
49			
+50			
150			
PROJ. TOTALS	14,178		5,534
SHEET TOTAL	439		0

PLATE 3-CROSS SECTION © P. R. S. B. E. STANDARD
THE FREDERICK POST CO., CHICAGO