S-5

COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT		FEDERAL DIVISION OFFICE	SHEET NUMBER	TOTAL SHEETS
		STATE	FEDERAL			
44.6	379.0.		11.5	WIS. 4	1	19

INDEX OF SHEETS

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. 3-5 PLAN AND PROFILE STA. 51+62.4 TO STA. 117+00
SHEET NO. 6-12 STANDARD DETAILS
SHEET NO. — DRAINAGE STRUCTURES
SHEET NO. 13-19 CROSS SECTIONS

STATE OF WISCONSIN

STATE HIGHWAY COMMISSION OF WISCONSIN

PLAN AND PROFILE OF PROPOSED

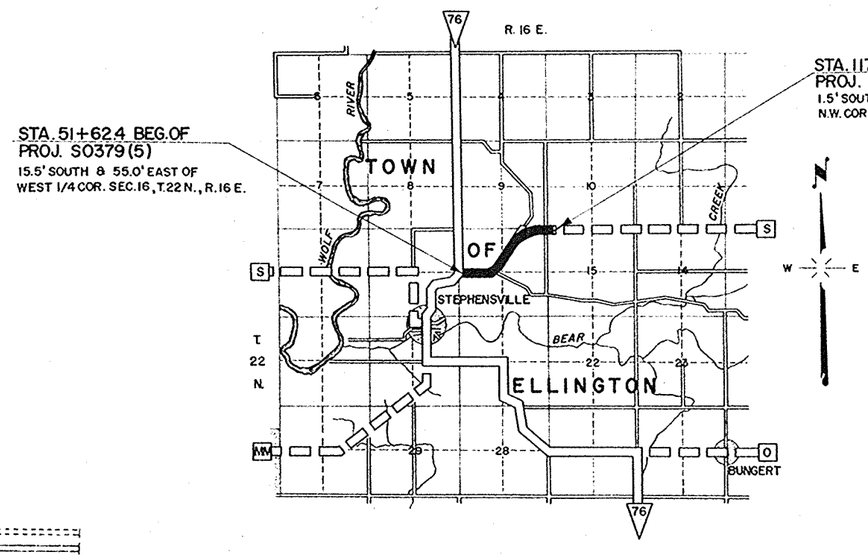
STEPHENSVILLE — S.T.H. 47
C.T.H. "S"

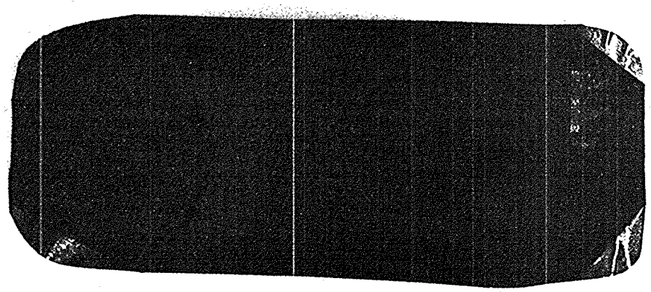
OUTAGAMIE COUNTY

PROJECT S0379(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.

RECEIVED
JUL 17 1958
OUTAGAMIE COUNTY
HIGHWAY COMMISSION





"S"-5

(1958) County Project #98
East of S.T.H. "76"

"S"

"S"-5

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 — PL + 326
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 HUES ONLY — 48+12 259
MARSH
HEDGE
TREES
GROUND ELEVATION — DATUM LINE — 739
GRADE ELEVATION — DATUM LINE — 756.16

LAYOUT

SCALE — ONE MILE

TOTAL NET LENGTH OF CENTERLINE = 1.238 MI.

STATE HIGHWAY COMMISSION OF WISCONSIN
MADISON, WIS.

SURVEYOR R.W.N. NOTE BOOK 56-57
DIVISION COMPUTER G.A.H. M.O. CHECKER
DISTRICT CHECKER C.W.M. CORRECT

CORRECT:
DATE 6-3-58 — DISTRICT ENGINEER

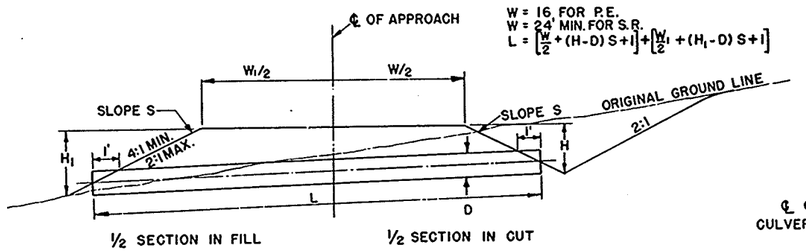
RECOMMENDED FOR APPROVAL:
DATE 6/4/58 — ENGINEER OF DESIGN

APPROVED:
DATE 6/9/58 — STATE HIGHWAY ENGINEER

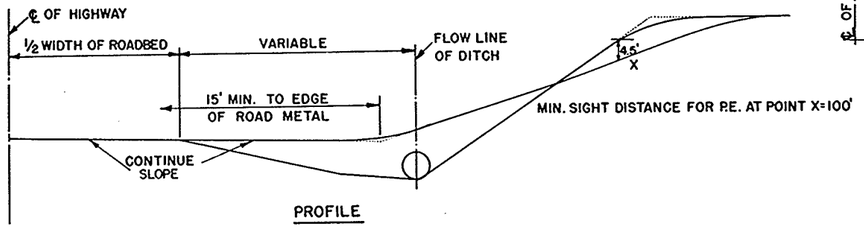
DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS

APPROVED:
DATE
DISTRICT ENGINEER

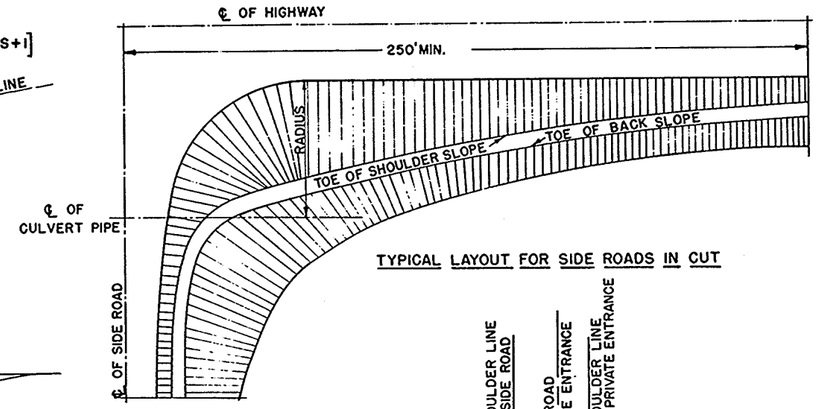
S0379(5)



TYPICAL CROSS SECTION

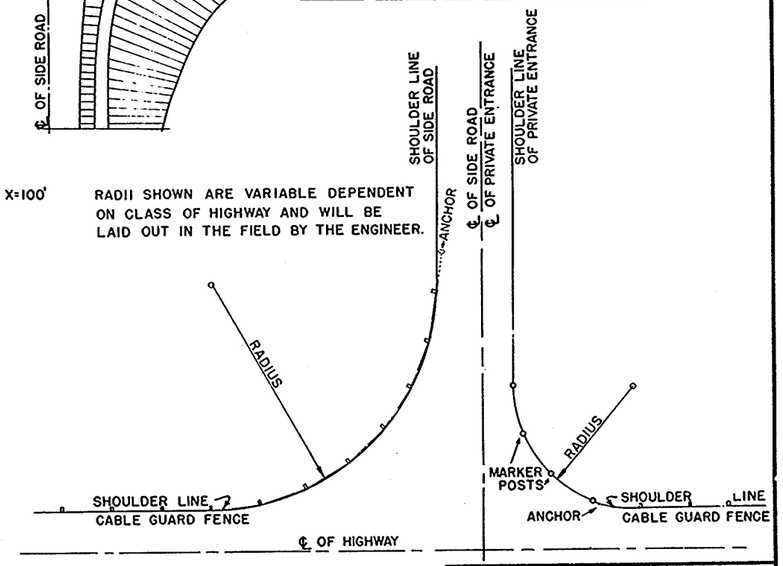


PROFILE



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:

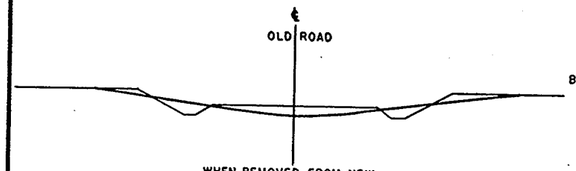
Frank Crane
DESIGN ENGINEER

DATE
CONSTRUCTION ENGINEER

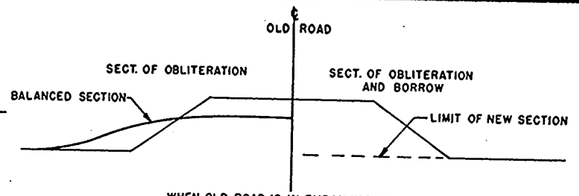
APPROVED:- OCT. 1, 1945

DRAWN
CHECKED
DATE
STATE HIGHWAY ENGINEER

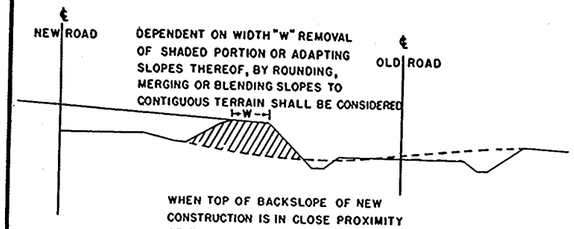
1-3.1.1



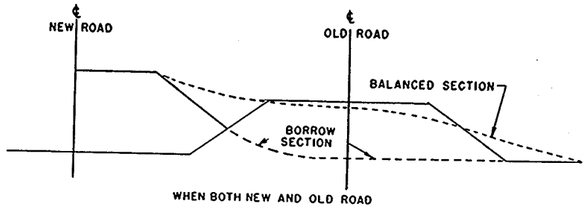
WHEN REMOVED FROM NEW CONSTRUCTION AND WITHIN SIGHT OF NEW PROJECT.



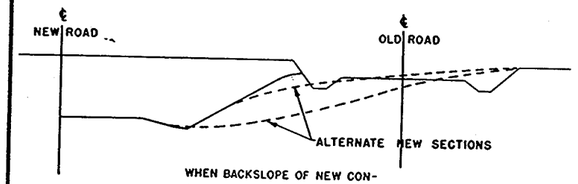
WHEN OLD ROAD IS IN EMBANKMENT AND REMOVED FROM NEW CONSTRUCTION BUT WITHIN SIGHT OF NEW PROJECT.



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 Crow
DESIGN ENGINEER

DATE
CONSTRUCTION ENGINEER

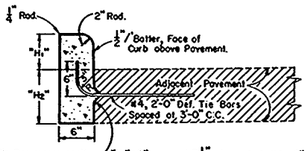
APPROVED:

DRAWN C.A.L.
CHECKED R.E.C.

OCT. 1, 1945
DATE

E. L. Ramsey
STATE HIGHWAY ENGINEER

1-4.1.1

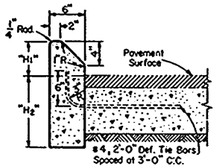


Tie Bar recess positioned in reverse when Concrete Curb is constructed first.

"H1" = 9" max. and 3 1/2" min. and shall be 6" unless otherwise shown on the plans.
"H2" = Same as adjacent pavement thickness for rigid pavement
"H2" = 12" For other than rigid pavement (Tie Bars Omitted)

TYPE "A" (Including Tie Bars) TYPE "D" (Excluding Tie Bars)

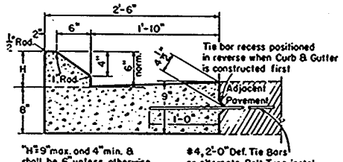
CONCRETE CURB



"H1" = 9" Max. and 4" min. and shall be 6" unless otherwise shown on plans.
"H2" = Same as adjacent pavement thickness for rigid pavement and 12" for other than rigid pavement (Tie Bars Omitted)

TYPE "G" (Including Tie Bars) TYPE "J" (Excluding Tie Bars)

CONCRETE CURB
(Mountable Type)



"H" = 9" max. and 4" min. & shall be 6" unless otherwise shown on the plans.

#4, 2'-0" Def. Tie Bars or alternate Bolt Type Instal. may be used, spaced at 3'-0" C-C

TYPE "G" (Including Tie Bars) TYPE "J" (Excluding Tie Bars)

CONCRETE CURB AND GUTTER
(Mountable Type)

GENERAL NOTES

Details of construction and materials not shown on this drawing shall conform to the pertinent requirements of the Standard Specifications Sections 2301 & 2521, and the applicable Special Provisions.

JOINTS—Construction Joints or full section joints formed by steel separator plates approximately 1/2" in thickness shall be installed in concrete Curb and/or Gutter at transverse joint spacings as follows:

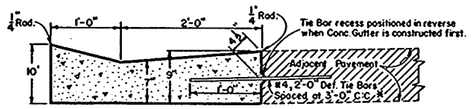
1-When concrete curb and/or Gutter is to be constructed adjacent to and adjoining previously constructed concrete pavement, full section joints shall be placed in Curb and/or Gutter opposite all adjacent transverse pavement joints and major transverse pavement cracks, with a maximum of 40 feet and a minimum of 6 feet joint spacing.

2-When concrete Curb and/or Gutter is to be constructed prior to proposed adjacent and adjoining concrete pavement, full section joints shall be placed in the Curb and/or Gutter opposite all transverse joints in such proposed pavements, with a maximum of 40 feet and a minimum of 6 feet joint spacing.

3-When concrete Curb and/or Gutter is to be constructed adjacent to present or proposed adjoining flexible surfaces and/or bases, full section joints shall be placed at a maximum of 40 feet and a minimum of 6 feet joint spacing.

4-Joints shall be installed at a reduced spacing of 50 percent of the foregoing designated spacings as directed by the Engineer in order to coincide with the locations of manholes or other fixtures imbedded in the structure, and to adjust for construction and expansion joints, but in no case less than 6 feet joint spacing.

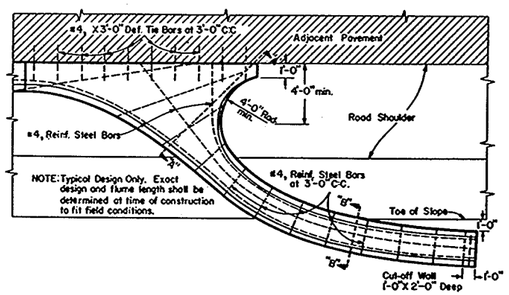
SEALING OF JOINTS—Expansion and contraction joints in Type "A", "D", "G" & "J" Concrete Curb, and the curb section in Type "A", "D", "G" & "J" Concrete Curb and Gutter need not be sealed, all other remaining expansion and construction joints shall be sealed. Sealing of joints shall be done in a manner to preclude over-filling and flow of excess sealing material onto the surface of the abutting concrete.

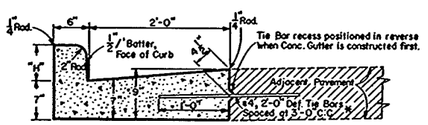


* Alternate Tie Bars or Bolt Type Installations may be used as shown for Longitudinal Joints - See Std. No. 4-4.4.1

TYPE "A" (Including Tie Bars) TYPE "D" (Excluding Tie Bars)

CONCRETE GUTTER



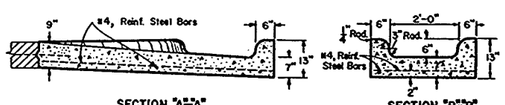


"H" = 9" Max., 3 1/2" Min, and shall be 6" unless otherwise shown on the plans.

* Alternate Tie Bars or Bolt Type Installations may be used as shown for Longitudinal Joints - See Std. Plate No. 4-4.4.1

TYPE "A" (Including Tie Bars) TYPE "D" (Excluding Tie Bars)

CONCRETE CURB AND GUTTER
(Barrier Type)



SECTION "A"-"A" SECTION "B"-"B"

CONCRETE INLET OR DISCHARGE FOR CURB AND GUTTER SURFACE DRAIN

BID ITEMS-

No. 2301-10 Concrete Surface Drains	Cu. Yds.
No. 2521-1 Concrete Curb (Type)	Lin. Ft.
No. 2521-6 Concrete Gutter (Type)	Lin. Ft.
No. 2521-11 Concrete Curb and Gutter (Type and Size)	Lin. Ft.

CONCRETE CURB, CONCRETE GUTTER CONCRETE CURB AND GUTTER AND CONCRETE SURFACE DRAINS

STATE HIGHWAY COMMISSION OF WISCONSIN

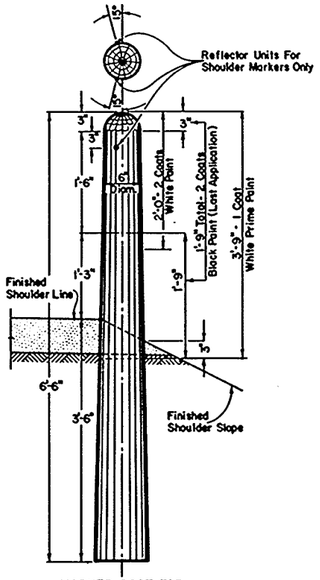
RECOMMENDED FOR APPROVAL:

3-28-57 DATE — J. S. Pelf ENGINEER OF DESIGN

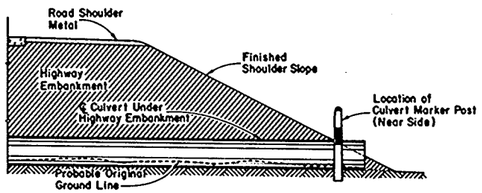
APPROVED:

3/28/57 DATE — E. C. Rettiger STATE HIGHWAY ENGINEER

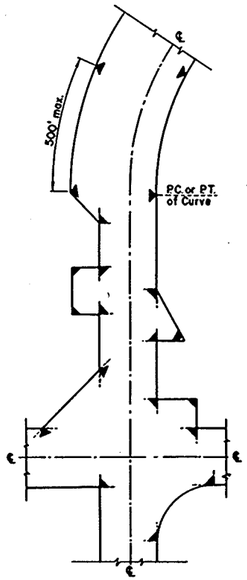
PLATE NO. 3-1.1.4



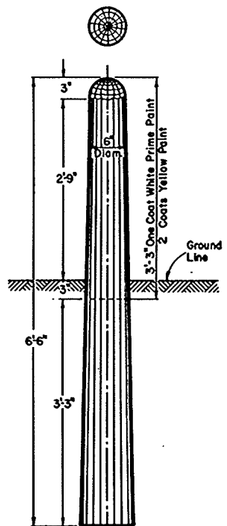
MARKER POST FOR ROAD SHOULDERS AND CULVERTS



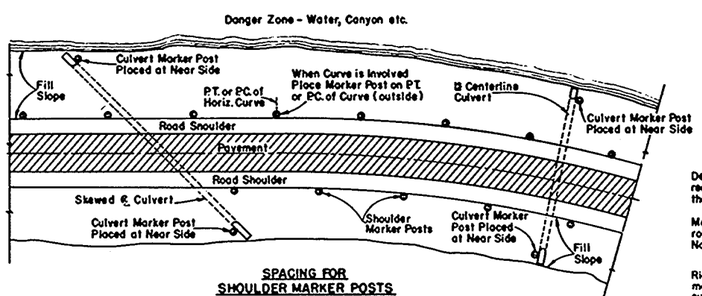
SECTION
SHOWING RELATIVE LOCATION OF MARKER POST FOR CULVERTS



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.

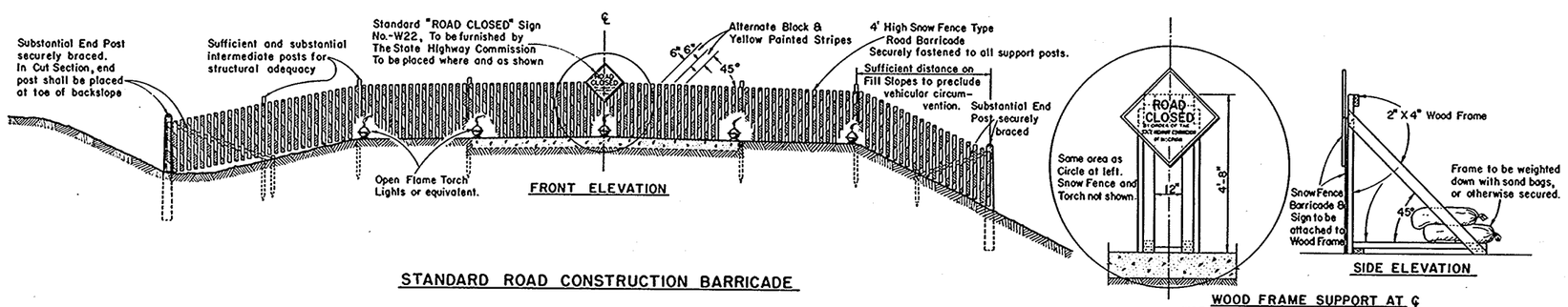
BID ITEMS
No. 2523-5 Marker Posts.....Each
No. 2523-6 Marker Posts for Right of Way.....Each

MARKER POSTS &
MARKER POSTS FOR RIGHT OF WAY

STATE HIGHWAY COMMISSION OF WISCONSIN

RECOMMENDED FOR APPROVAL
5/16/57 DATE — J. L. Pitt ENGINEER OF DESIGN
APPROVED:
5/16/57 DATE — E. L. Rettiger 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

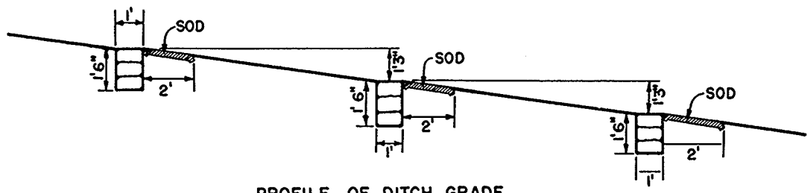
STATE HIGHWAY COMMISSION OF WISCONSIN

RECOMMENDED FOR APPROVAL:

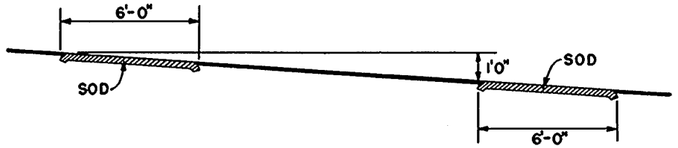
6/2/55 — DATE — J. S. Pelt — ENGINEER OF DESIGN

APPROVED:

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

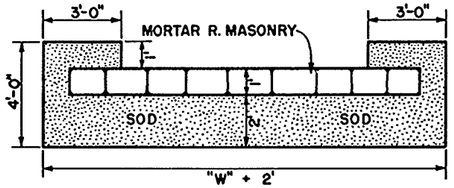


PROFILE OF DITCH GRADE

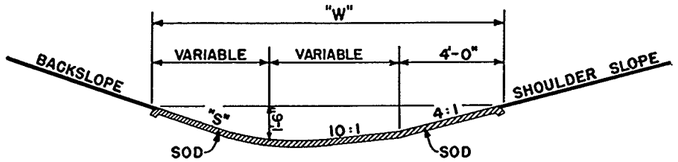


PROFILE OF DITCH GRADE

NOTE: NUMBER REQUIRED WILL BE DETERMINED BY VERTICAL SPACING.



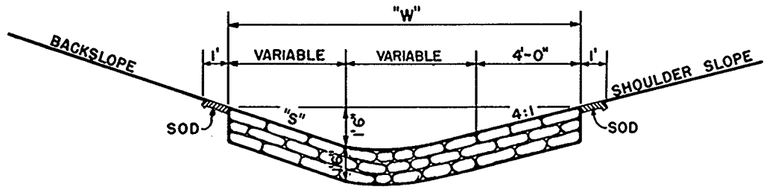
PLAN VIEW SHOWING SOD



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 Crave
DESIGN ENGINEER

DATE:

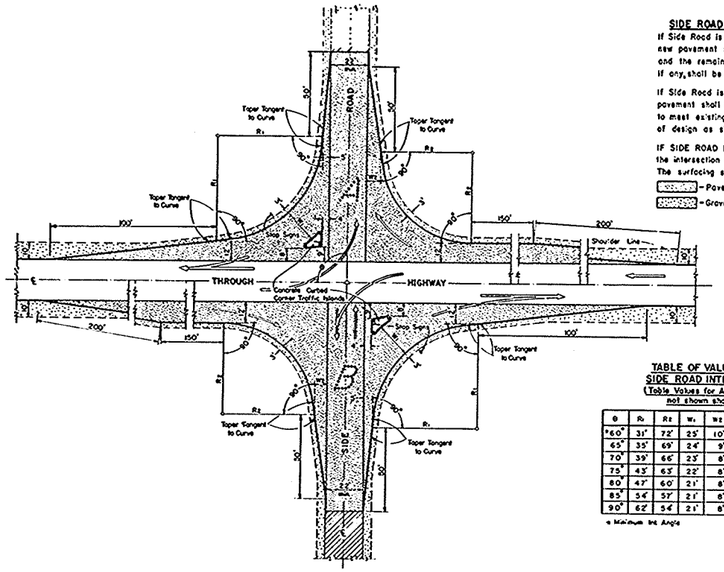
CONSTRUCTION ENGINEER

APPROVED:

E. L. Roettger
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

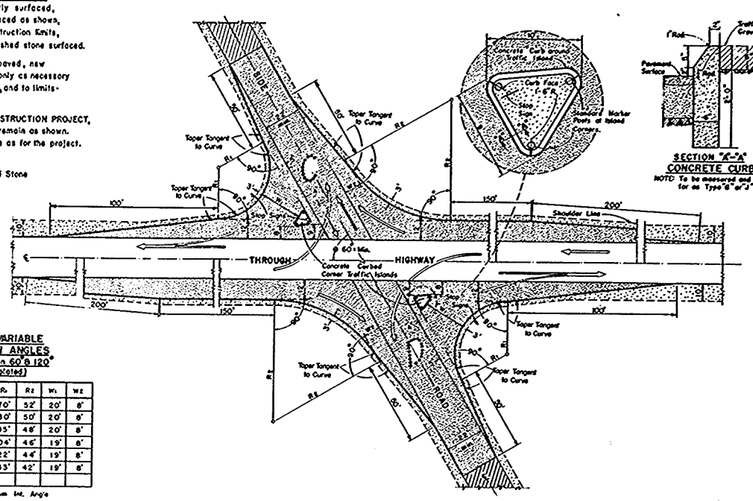
TABLE OF VALUES FOR VARIABLE SIDE ROAD INTERSECTION ANGLES
(Table Values for Angles between 60° & 120° not shown shall be interpolated)

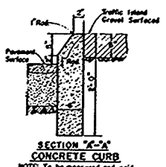
θ	R1	R2	W1	W2
*60°	31'	72'	25'	10'
65°	35'	69'	24'	9'
70°	39'	66'	23'	8'
75°	43'	63'	22'	8'
80°	47'	60'	21'	8'
85°	54'	57'	21'	8'
90°	62'	54'	21'	8'

* Minimum Int. Angle

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'

* Maximum Int. Angle





SECTION "E-E" 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

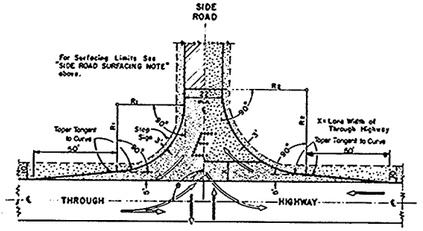


TABLE OF VALUES FOR VARIABLE SIDE ROAD INTERSECTION ANGLES
(Table Values for Angles between 60° & 120° not shown shall be interpolated)

θ	R1	R2
* 60°	40'	50'
65°	40'	50'
70°	40'	50'
75°	40'	50'
80°	40'	50'
85°	40'	50'
90°	40'	50'

* Minimum Int. Angle

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

** 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

1/17/58 — DATE — ENGINEER OF DESIGN

APPROVED

1/17/58 — DATE — STATE HIGHWAY ENGINEER

PLATE NO. 9-1.1.3

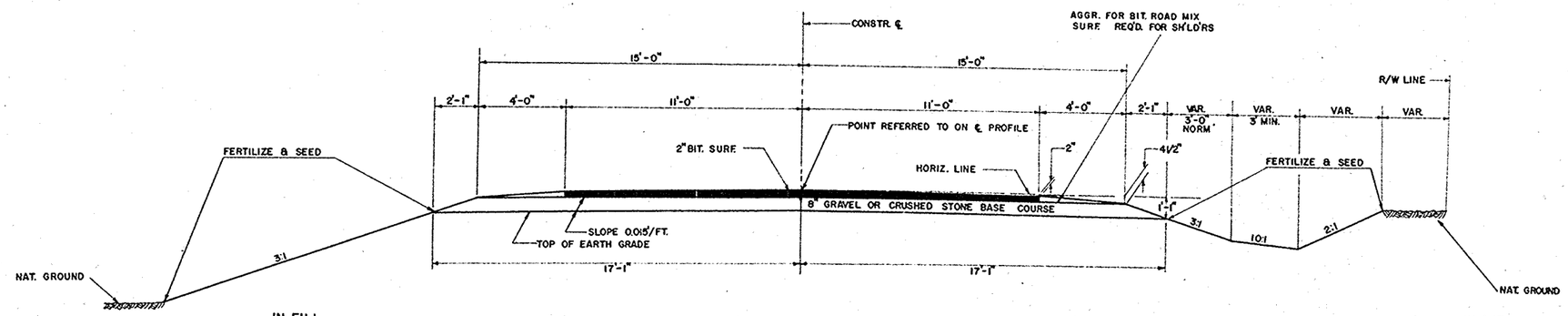
ESTIMATE OF QUANTITIES

THIS PROJECT IS TO BE EXECUTED UNDER THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION OF THE STATE HIGHWAY COMMISSION OF WISCONSIN — EDITION OF 1957 APPROVED AUGUST 9, 1957, AND SPECIAL PROVISIONS AS ATTACHED TO PROPOSALS.

CONTRACT NO. 182

PROJECT	SHEET NO.	TOTAL SHEETS
S 0379(5)	2	19

CONTRACT NO.	STATION TO STATION	NET LENGTH OF CENTER LINE	CLEARING	GRUBBING	REMOVING PAVEMENT	EXCAVATION UNCL.	EXCAVATION	SAND GRAVEL FILL	FINISHING ROADWAY	OBLITERATING OLD ROAD	GRAVEL OR CR. STONE BASE COURSE		CULVERT PIPE 18"	CULVERT PIPE 24"	CULVERT PIPE 30"	CULVERT PIPE 36"	CULVERT PIPE	CORR. METAL CULVERT PIPE 24"	CORR. METAL CULVERT PIPE 48"	RIP RAP	MARKER POSTS	MARKER POSTS FOR R/W	MORTAR RUBBLE DITCH CHECKS	GRAVEL OR CRUSHED STONE BASE COURSE	GRAVEL OR CRUSHED STONE BASE COURSE	AGGREGATES FOR BIT. RD. MIX SURFACE	AGGR. FOR BIT. RD. MIX SURFACE	BITUM. MAT. FOR PRIME COAT	BITUM. ROAD MIX SURF.	CONC. CURB TYPE "J"	BITUMINOUS MATERIAL FOR SURFACE COURSE		CALCIUM CHLORIDE SURF. TR'TM'T.		TOP SOIL	SALVAGED TOP SOIL	FERTILIZER	SEEDING	
	ITEM NO.		2101-2	2101-5	2105-1	2106-5	2106-	2110-1	2114-1	2116-1			2411-1	2411-2	2411-3	2411-4	2411-	2411-21	2411-22	2512-1	2523-5	2523-4	2516-3	2203-1	2203-1	2313-2	2313-2	2311-1	2313-1	2521-1	S.P.	2313-3		2525-1		2528-1	2528-2	2531-1	2532-1	
	UNIT	LIN. FT.	IN. DIA.	IN. DIA.	S.Y.	C.Y.	C.Y.	C.Y.	L.S	STA.	C.Y.	C.Y.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	C.Y.	EACH	EACH	C.Y.	C.Y.	C.Y.	C.Y.	C.Y.	GALS.	SQ. YD.	LIN. FT.	C.Y.	GALS.		TONS			SQ. YD.	CWT.	SQ. YD.	
1	51+62.4 — 117+00	6,537.6	418	418		18,918			1	5.3			428	118	66	80		18	36	35	22		65	8400		1650		2,850	17,200	35		24,300		9				32	35,100	
2	51+62.4 — 117+00	6,537.6																							8400		1650												
	TOTALS	6,537.6	418	418		18,918			1	5.3			428	118	66	80		18	36	35	22		65	8400	8400	1650	1650	2,850	17,200	35		24,300		9				32	35,100	



IN FILL

IN CUT

GRAVEL OR CRUSHED STONE BASE COURSE FOR CENTERLINE = 110.89 C.Y./STA. (INCLUDES 40% FOR COMPACTION)
AGGREGATE FOR BIT. ROAD MIX SURFACE FOR SHOULDERS = 4.45 C.Y./STA (" 80% " ")
AGGREGATE FOR BIT. ROAD MIX SURFACE = 19.02 C.Y./STA. (" 40% " ")

NORMAL TYPICAL FINISHED SECTION

GENERAL NOTES

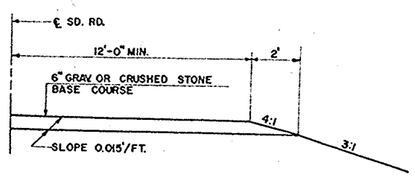
CONSTRUCTION DETAILS NOT SHOWN HERE SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

FOR SD. RD. INTERSECTIONS USE "MINOR" SD. RD. INTERSECTION DETAILS SHOWN ON PLATE NO. 9-1.1.3

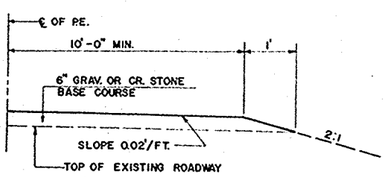
ON ALL HORIZONTAL CURVES THE NORMAL CROWN SHALL BE REMOVED AND THE PAVEMENT SURFACE, BASE COURSE, AND EARTH GRADE SHALL RESULT IN A STRAIGHT LINE SLOPE ACROSS THE ENTIRE WIDTH OF ROADBED.

STANDARD DETAILS

DETAILS OF P.E. & S.D. RD. APPROACHES	1-3.1.1
OBLITERATING OLD ROAD	1-4.1.1
CONC. CURB, GUTTER, CURB & GUTTER	3-1.1.4
MARKER POSTS	7-1.3.3
CONSTRUCTION BARRICADE	7-4.1.2
DITCH CHECKS, MORTAR RUBBLE	8-1.3.1
DESIGN DETAILS FOR SD. RD.	9-1.1.3



1/2 SECTION FOR SIDE ROADS



1/2 SECTION FOR P.E.'S

GRAV. OR CR. STONE BASE COURSE	
LOCATION	C.Y.
CENTERLINE	7,300
P.E.'S & SD. RD.'S	1,100
TOTAL	8,400

MARKER POSTS	
LOCATION	NO.
CULVERT PIPES	13
STA. 112+50 - STA. 115+00 LT. SH'LD'R.	6
TRAFFIC ISLAND STA. 52+00 LT.	3

CULVERT PIPE					
STATION	LOCATION	DIA.	LENGTH	TYPE	MARKERS
52+12	℄	24"	18'	C.M.C.P.EXT.	1
65+80	℄	24"	60'	C.P.	2
70+00	SD. RD. RT.	18"	44'	"	2
89+68	℄	30"	66'	"	2
104+45	℄	36"	80'	"	2
113+55	℄	48"	36'	C.M.C.P.EXT'S	2
115+60.5	SD.RD. RT	24"	58'	C.P.	2
P.E'S. 12 EA.	LT. & RT.	18" X 32'	384'	"	–

AGGREGATE FOR BITUMINOUS ROAD MIX	
LOCATION	C.Y.
SURFACING	1,350
SHOULDERS	300
TOTAL	1,650

TYPICAL CROSS SECTION

FOR

30 FT. ROADBED — 22 FT. BIT. PAV'T.

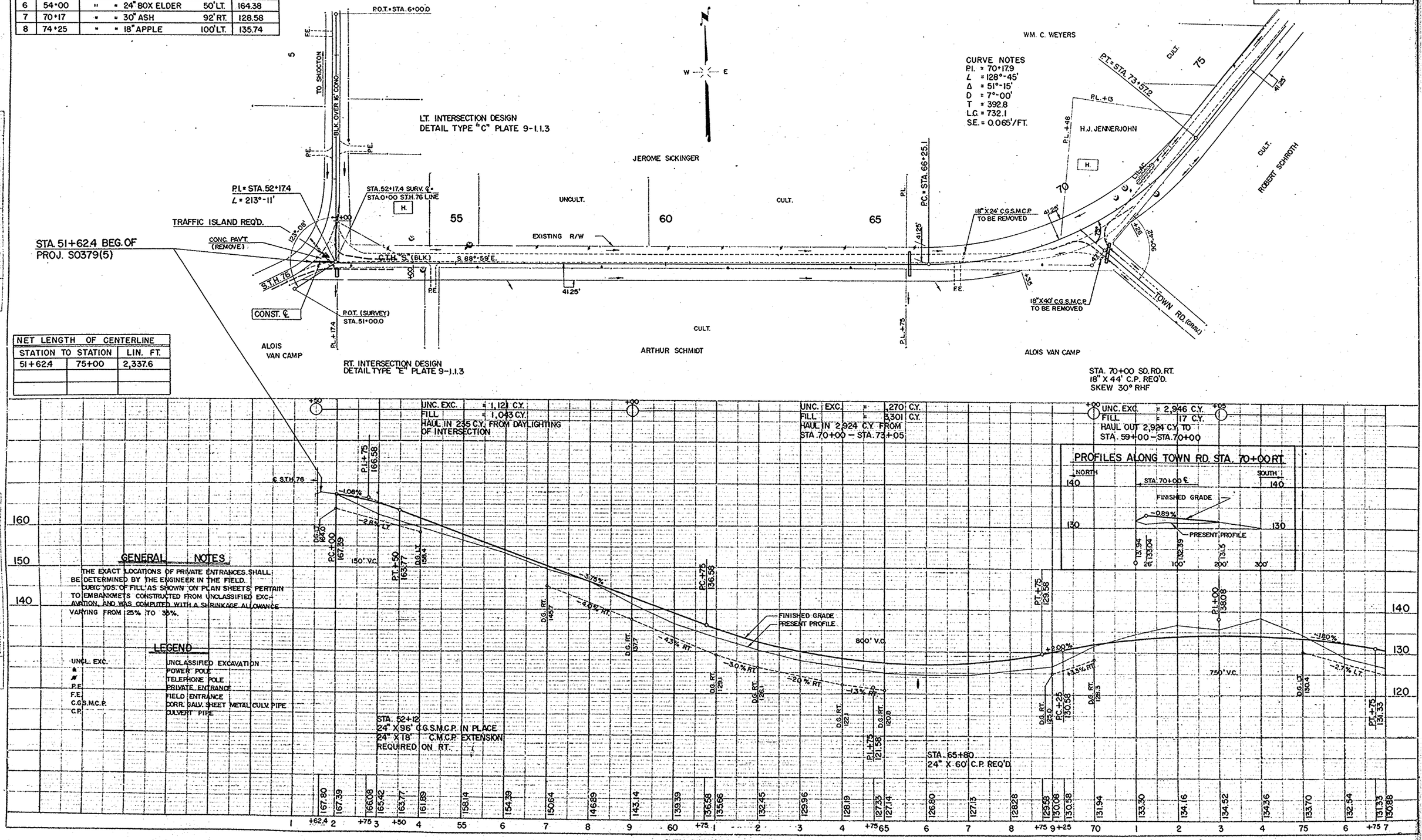
AND

MISCELLANEOUS CONSTRUCTION DETAILS

B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S0379(5)	3	19

BENCH MARKS

NO.	STATION	DESCRIPTION		ELEV.
5	48+55	SPIKE IN 10" APPLE	50'RT.	159.37
6	54+00	" " 24" BOX ELDER	50'LT.	164.38
7	70+17	" " 30" ASH	92'RT.	128.58
8	74+25	" " 18" APPLE	100'LT.	135.74



NET LENGTH OF CENTERLINE		
STATION TO STATION		LIN. FT.
51+62.4	75+00	2,337.6

GENERAL NOTES

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

CUBIC YDS. OF FILL AS SHOWN ON PLAN SHEETS PERTAIN TO EMBANKMETS CONSTRUCTED FROM UNCLASSIFIED EXCAVATION, AND WAS COMPUTED WITH A SHRINKAGE ALLOWANCE VARYING FROM 25% TO 35%.

LEGEND

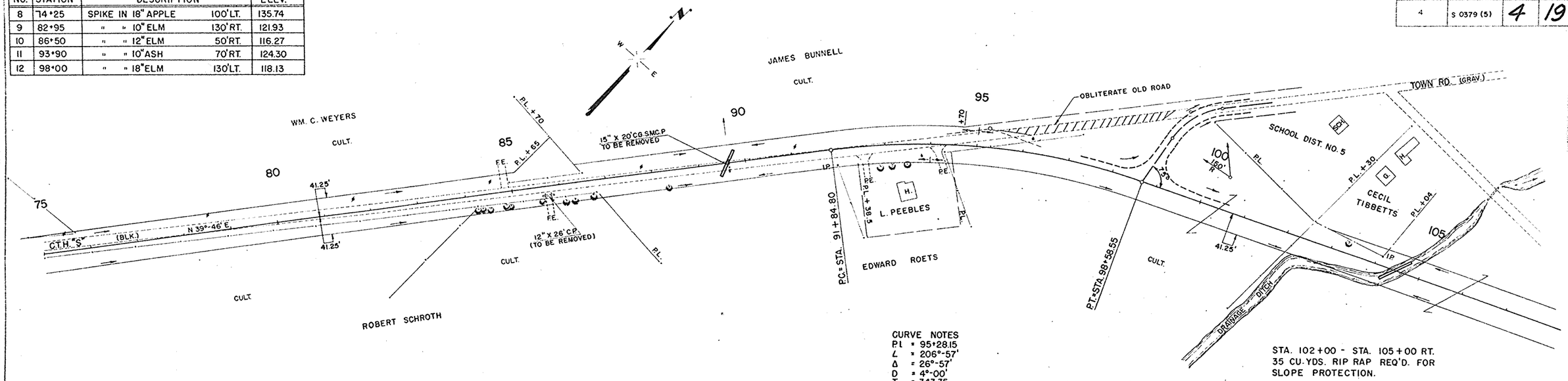
UNCL. EXC.	UNCLASSIFIED EXCAVATION
	POWER POLE
	TELEPHONE POLE
P.E.	PRIVATE ENTRANCE
F.E.	FIELD ENTRANCE
C.G.S.M.C.P.	CORR. GALV. SHEET METAL CULV. PIPE
C.P.	CULVERT PIPE

PLATE 1—PLAN-PROFILE B.P.R. STANDARD
THE FRED. WICK POST CO. Chicago 2021

B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S 0379 (5)	4	19

BENCH MARKS

NO.	STATION	DESCRIPTION		ELEV.
8	74+25	SPIKE IN 18" APPLE	100' LT.	135.74
9	82+95	" " 10" ELM	130' RT.	121.93
10	86+50	" " 12" ELM	50' RT.	116.27
11	93+90	" " 10" ASH	70' RT.	124.30
12	98+00	" " 18" ELM	130' LT.	118.13



CURVE NOTES
PI = 95+28.15
L = 206°-57'
Δ = 26°-57'
D = 4°-00'
T. = 343.35
L.C. = 67.375
S.E. = 0.065'/FT.

STA. 102+00 - STA. 105+00 RT.
35 CU. YDS. RIP RAP REQ'D. FOR SLOPE PROTECTION.

NET LENGTH OF CENTERLINE		
STATION TO STATION		LIN. FT.
75+00	105+00	3,000.0

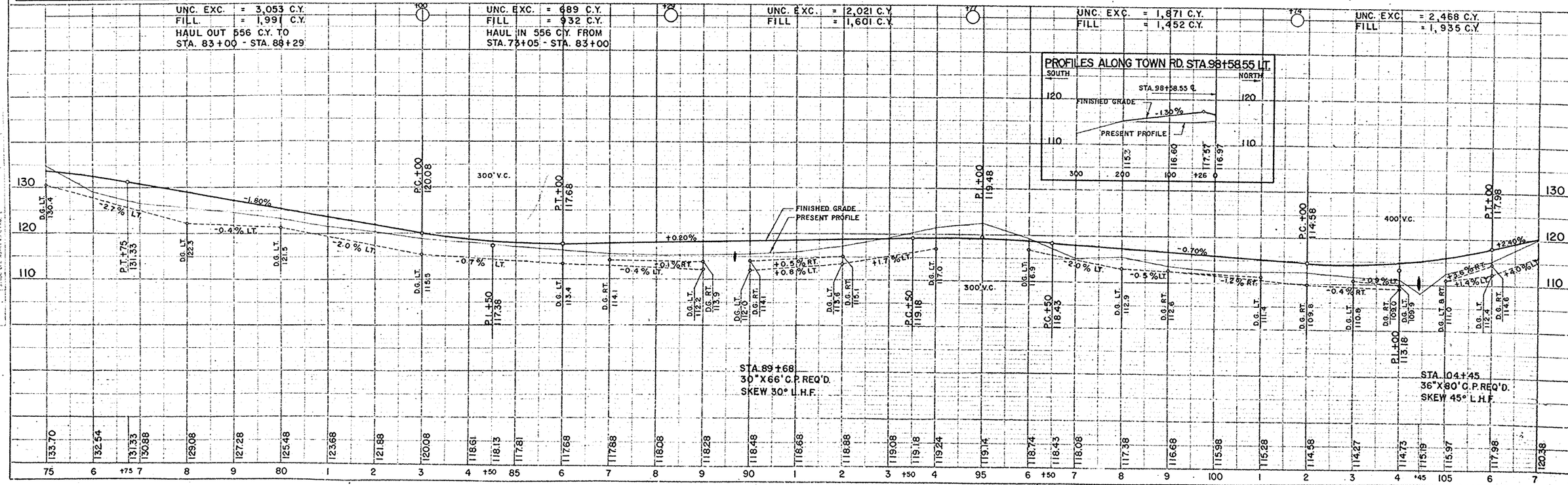
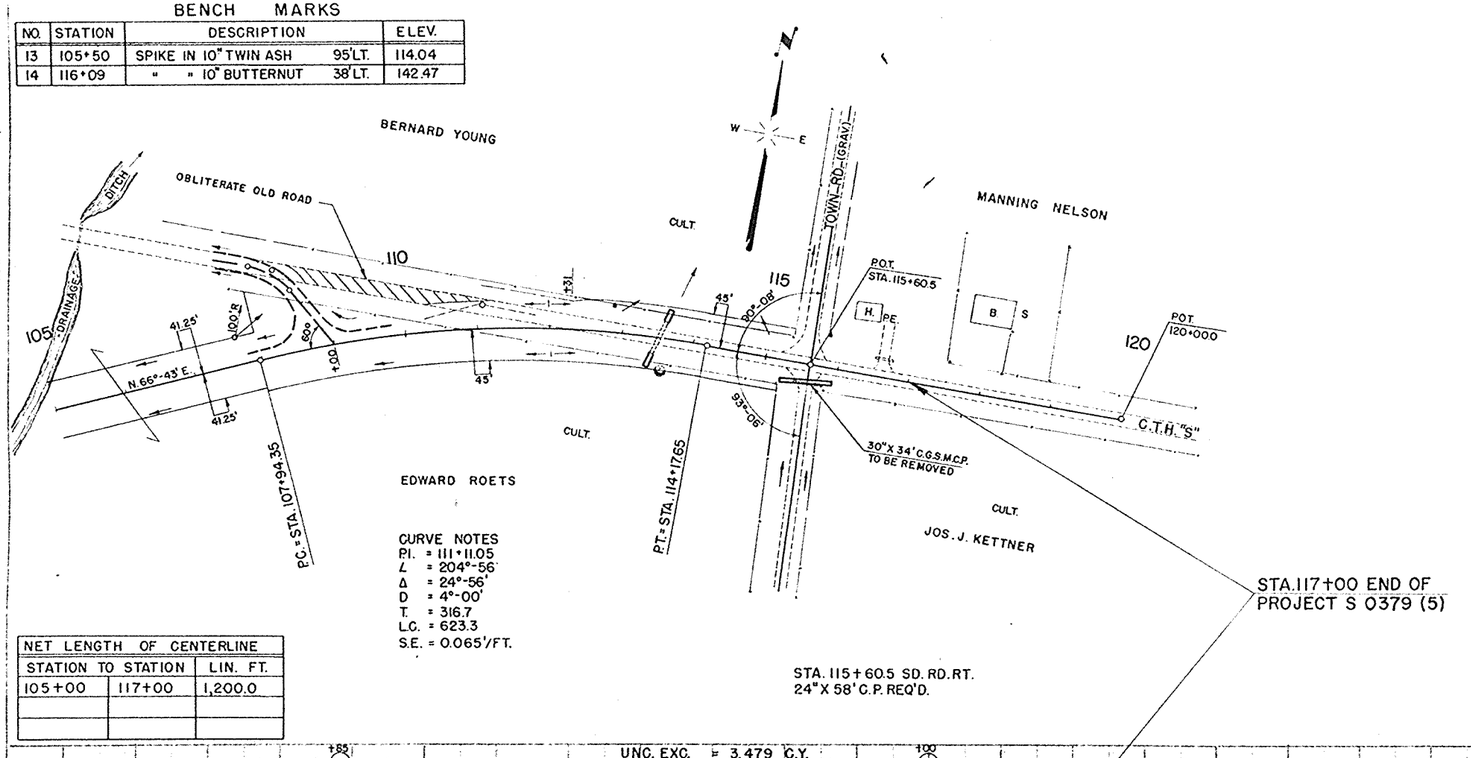


PLATE 1 - PLAN-PROFILE & R/W STANDARD
THE PROVINCE POST CO. Winnipeg

W.P.A. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S 0379(5)	5	19

BENCH MARKS

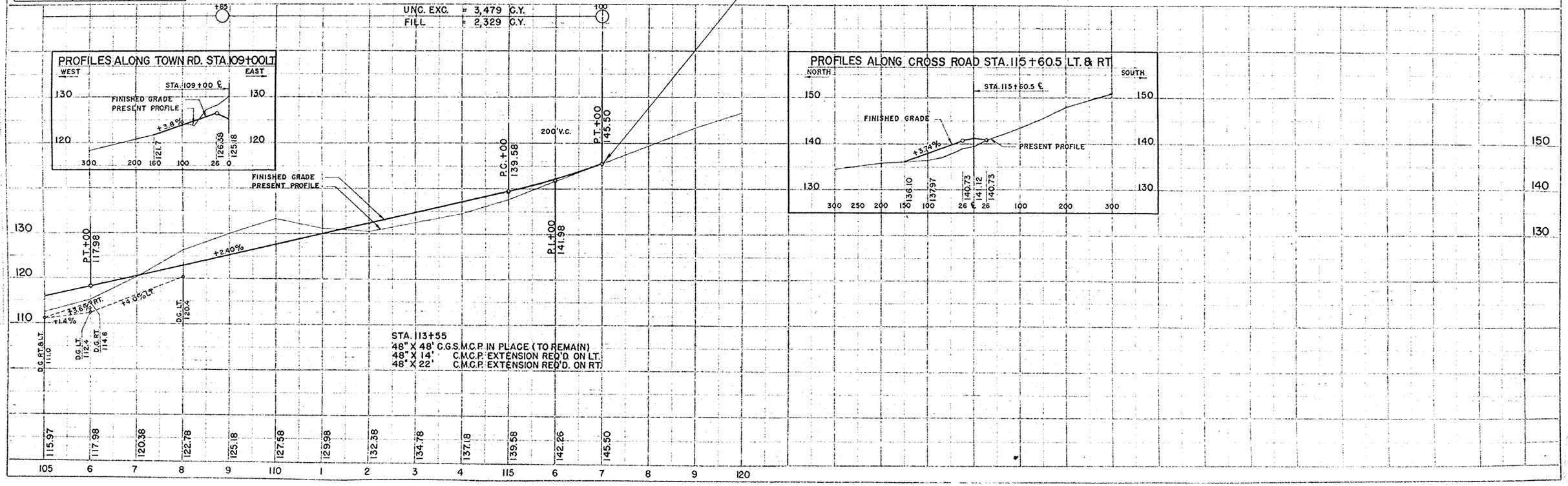
NO.	STATION	DESCRIPTION	ELEV.
13	105+50	SPIKE IN 10" TWIN ASH 95'LT.	114.04
14	116+09	" " 10" BUTTERNUT 38'LT.	142.47



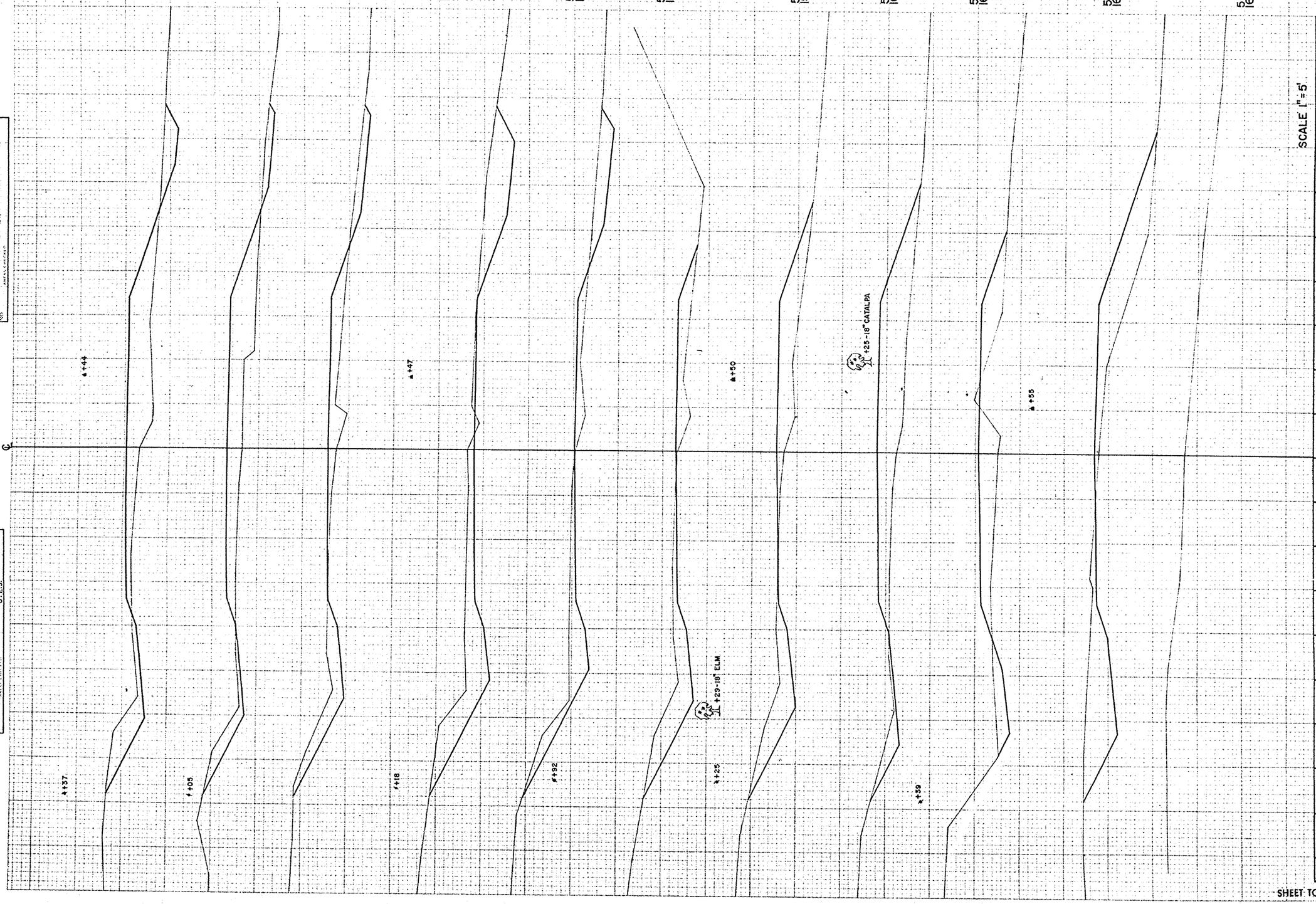
CURVE NOTES
PI. = 111+11.05
L = 204°-56'
Δ = 24°-56'
D = 4°-00'
T. = 316.7
L.C. = 623.3
S.E. = 0.065'/FT.

NET LENGTH OF CENTERLINE		
STATION TO STATION		LIN. FT.
105+00	117+00	1,200.0

UNC. EXC. = 3,479 C.Y.
FILL = 2,329 C.Y.



B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S 0379(5)	13	19



SCALE 1" = 5'

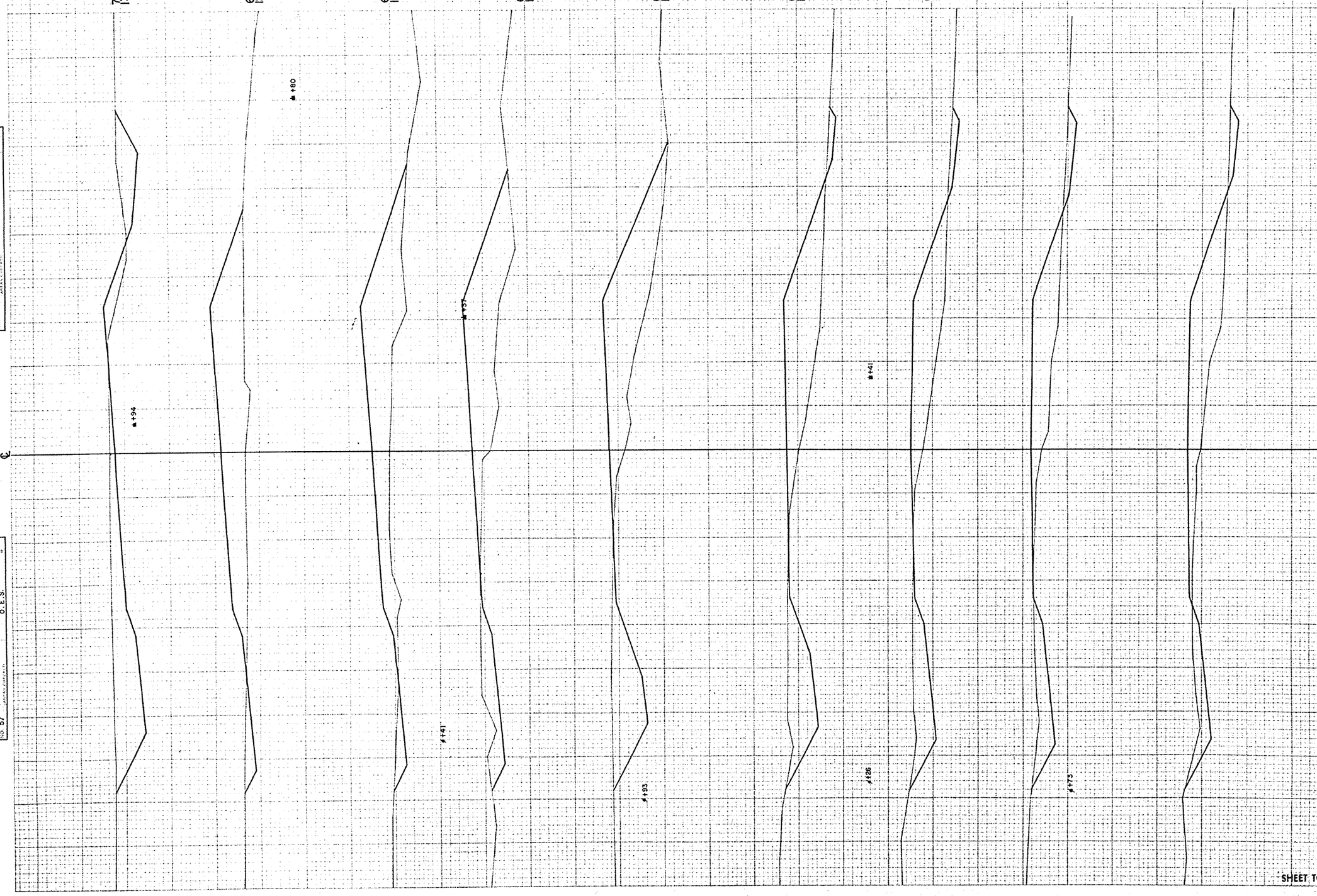
STATION	DISTANCE	YARDAGE EXCAVATION UNC.	FILL
51 + 50			
	52		53
52			
	137		183
53			
	52		256
54			
	72		269
55			
	122		132
56			
	165		67
57			
	278		26
58			
	243		57
59			
	96		187
60			
	96		261
61			
SHEET TOTAL		1313	1491

FINAL SURVEY
NOTE BOOK NO.
SURVEYED
PLOTTED
TRACED
CHECKED

ORIGINAL SURVEY
NOTE BOOK NO. 57
SURVEYED R.W.N. 10-57
PLOTTED M.H.N. 11-57
TRACED J.E.F. 11-57
CHECKED O.E.S. "

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

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S 0379 (5)	14	19



STATION	DISTANCE	YARDAGE EXCAVATION UNC.	FILL
61			
		109	267
62			
		108	244
63			
		130	230
64			
		139	278
65			
		143	350
66			
		122	383
67			
		67	407
68			
		52	448
69			
		208	246
70			
SHEET TOTAL		1078	2853

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

ORIGINAL SURVEY
BY R. W. N. 10-57
M. H. N. 11-57
J. E. F. " "
O. E. S. "
NOTE BOOK NO. 57
SURVEYED
PLOTTED
TRACED
CHECKED
AREAS COMPUTED

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S0379 (5)	15	19

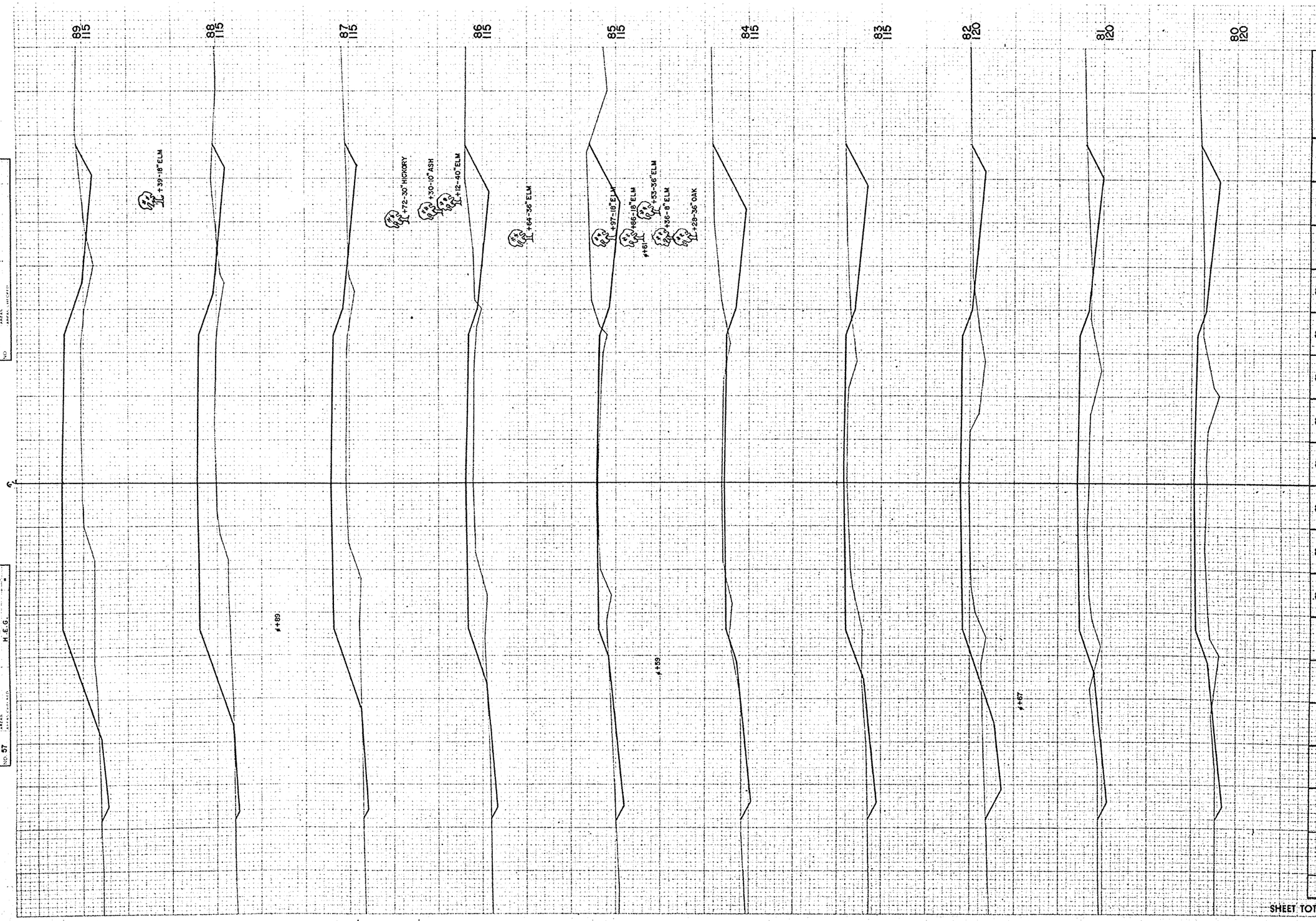
STATION	DISTANCE	YARDAGE EXCAVATION UNC.	FILL
70			
		604	17
71			
		1052	0
72			
		1230	0
73			
		1202	0
74			
		831	7
75			
		331	124
76			
		126	335
77			
		83	389
78			
		111	306
79			
SHEET TOTAL		5570	1178

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

ORIGINAL SURVEY	BY	DATE
PLOTTED	R. W. N.	10-57
PLOTTED	W. H. N.	11-57
TEMPLATE	J. E. F.	" "
AREAS	O. E. S.	" "
NOTE BOOK NO. 57	AREAS CHECKED	

PLATE 3-CROSS SECTION O. P. R. & R. E. STANDARD

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S 0379 (5)	16	19

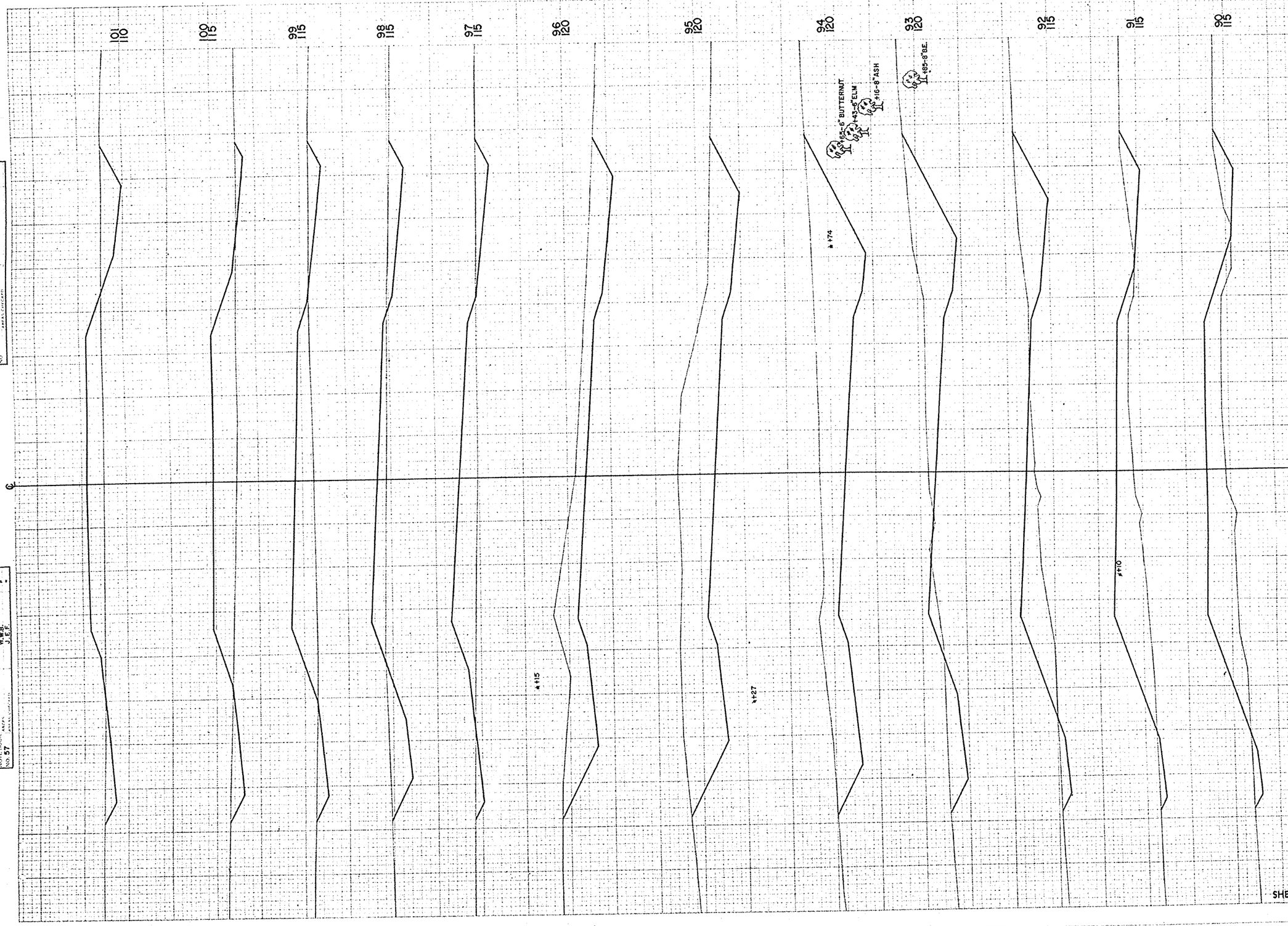


STATION	DISTANCE	YARDAGE EXCAVATION UNC.				FILL
79						
		106				241
80						
		91				211
81						
		104				217
82						
		128				161
83						
		180				57
84						
		219				33
85						
		161				107
86						
		74				243
87						
		42				369
88						
		46				420
89						
SHEET TOTAL		1151				2059

FINAL SURVEY
NOTE BOOK TEMPLATE
NO.

ORIGINAL SURVEY
SURVEYED R. W. N. DATE 10-57
PLOTTED M. H. N. 11-57
TEMPLATE J. E. F. "
AREAS CALCULATED H. E. G. "
NOTE BOOK
NO. 57

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S 0379 (5)	17	19

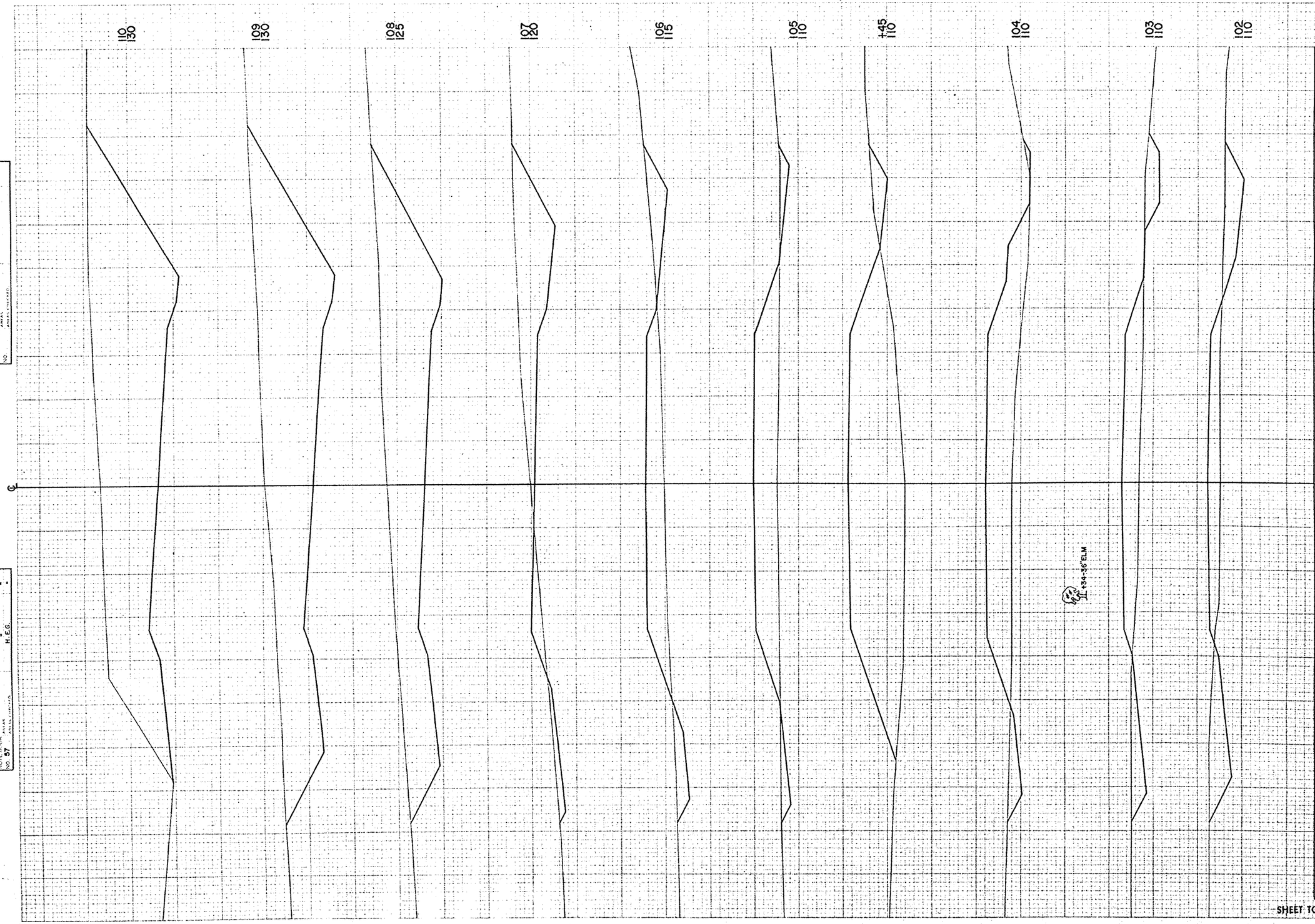


STATION	DISTANCE	YARDAGE EXCAVATION UNC.				FILL
89						
		57				437
90						
		70				420
91						
		135				307
92						
		322				126
93						
		678				14
94						
		946				0
95						
		774				0
96						
		319				148
97						
		126				219
98						
		133				230
99						
		80				361
100						
		98				335
101						
SHEET TOTAL		3738				2597

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

ORIGINAL SURVEY
SURVEYED R. W. N. 10-57
PLOTTED M. H. N. 11-57
NOTE BOOK TEMPLATE J. E. F.
NO. 57 AREAS W. W. B.
J. E. F.

R.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S 0379 (5)	18	19



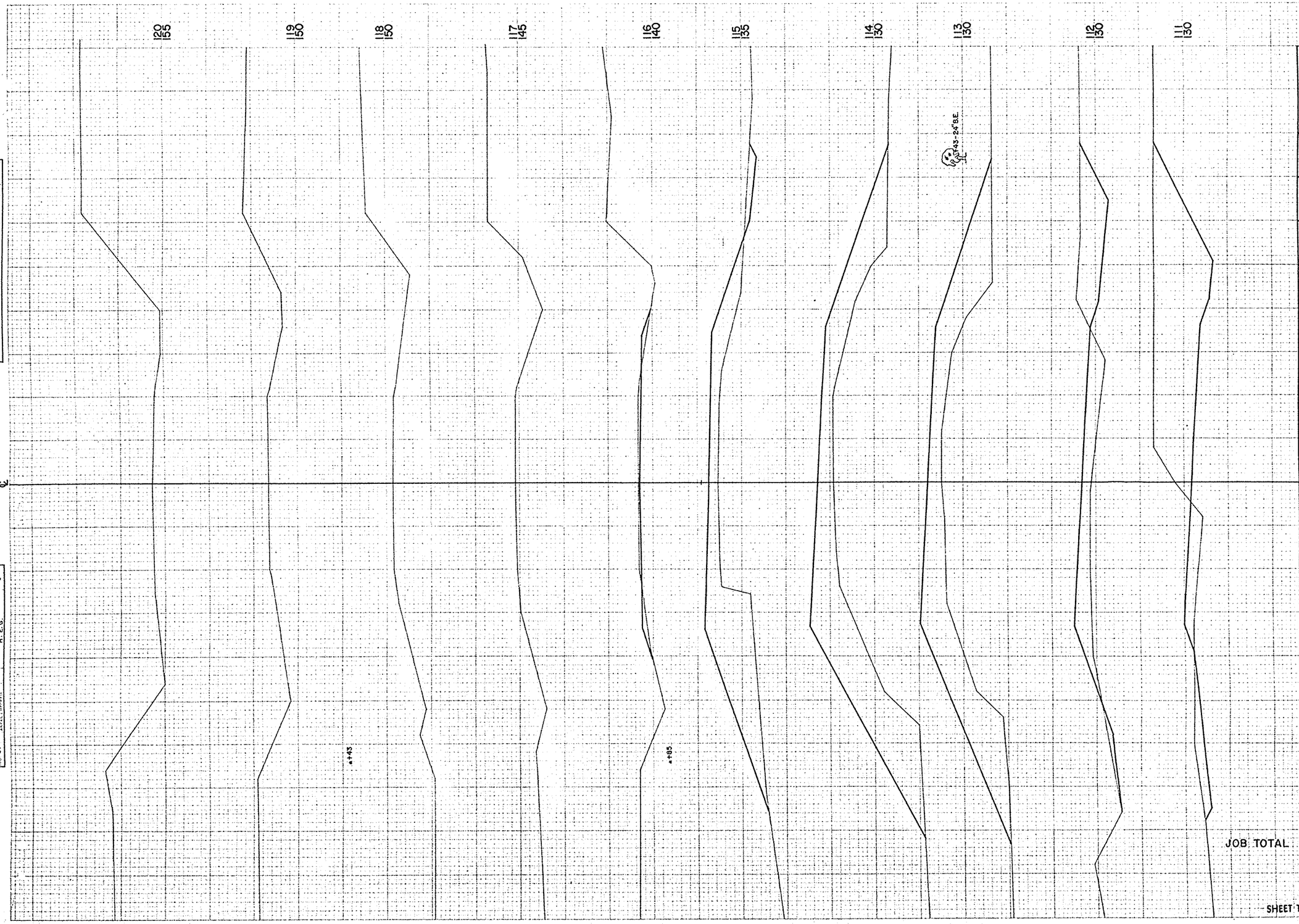
STATION	DISTANCE	YARDAGE EXCAVATION UNC.	YARDAGE FILL
101			
		163	215
102			
		159	208
103			
		80	391
104			
		9	344
+45			
		15	391
105			
		89	356
106			
		244	167
107			
		746	22
108			
		1283	0
109			
		1530	0
110			
SHEET TOTAL		4318	2094

FINAL SURVEY — SURVEYED / PLOTTED / TEMPLATE / AREAS / CROSS SECTIONS — DATE — BY — NOTE BOOK NO. — PAGE

ORIGINAL SURVEY — SURVEYED R.W.N. — PLOTTED N.E.W. — TEMPLATE J. E. — AREAS — CROSS SECTIONS H.E.G. — DATE 10-57 11-57 — NOTE BOOK NO. 57 — PAGE

PLATE 3 CROSS SECTION O. P. R. & P. STANDARD
THE PHOENIXCA POST CO., CHICAGO

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S 0379 (5)	19	19



STATION	DISTANCE	YARDAGE EXCAVATION UNC.				YARDAGE FILL
110						
		1163				35
111						
		446				140
112						
		93				476
113						
		0				770
114						
		13				648
115						
		24				254
116						
		11				6
117						
JOB TOTAL		18,918			14,601	
SHEET TOTAL		1750				2329

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

ORIGINAL SURVEY — SURVEYED R.W.N. 10-37 — PLOTTED W.E.H. 11-37 — TEMPLATE J.E.K. — AREAS W.W.B. — CROSS SECTIONS H.E.G. — NOTE BOOK NO. 37

PLATE 3 CROSS SECTION O. P. R. R. C. STANDARD
THE FREDERICK POST CO., CHICAGO