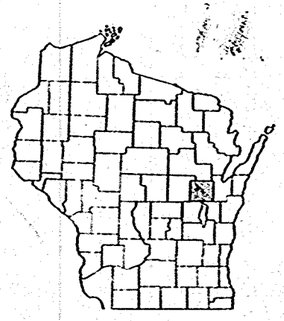
COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT		FEDERAL DIVISION OFFICE	SHEET NUMBER	TOTAL SHEETS
		STATE	FEDERAL			
44-6	1254.0		11.1	WIS. 4	1	46

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. 3-12 PLAN AND PROFILE STA. 0+08 TO STA. 292+00
SHEET NO. 13-21 STANDARD DETAILS
SHEET NO. — DRAINAGE STRUCTURES
SHEET NO. 22-46 CROSS SECTIONS



STATE OF WISCONSIN

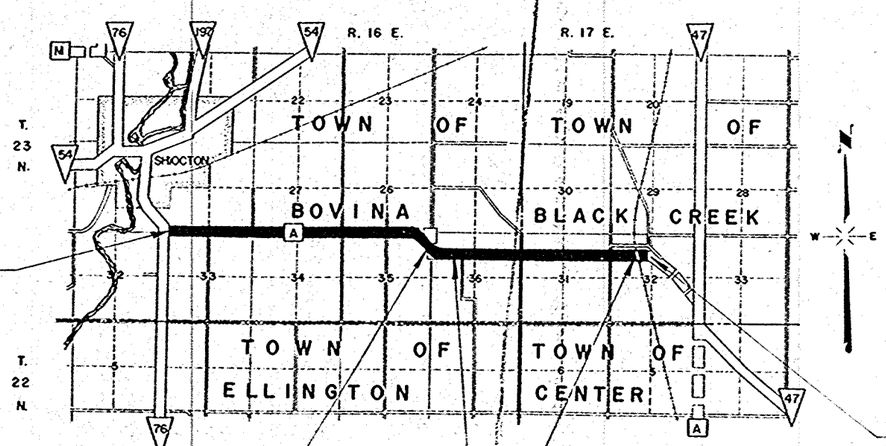
STATE HIGHWAY COMMISSION OF WISCONSIN

PLAN AND PROFILE OF PROPOSED

SHIOCTON — S.T.H. 47
C.T.H. "A"
OUTAGAMIE COUNTY
PROJECT S 1254(1)

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.

APPROVED FOR Project Construction Plans
County
Date 4-6 Title



STA. 0+08 BEGIN
PROJ. S 1254 (I)
18'S & 8' E. OF NW. COR. SEC. 33
T 23 N R 16 E

EQUATION STA. 161+00 BACK = STA. 160+00 AHEAD

EQUATION STA. 204+00 BACK = STA. 203+00 AHEAD

STA. 284+35.3 — STA. 284+48.1
EXCEPTION TO NET LENGTH OF ℄
(RAILROAD CROSSING)

STA. 292+00 END
PROJ. S 1254 (I)
890' E. & 2'S OF NW. COR. OF SE. ¼ OF NW. ¼
SEC. 33 T 23 N R 17 E

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. + 326
TRAVELED WAY OR P.E.
RAILROADS
BASE OR SURVEY LINE — 10

CULVERTS IN PLACE
CULVERTS REQUIRED
DROP INLET
POWER POLE
TELEPHONE OR TELEGRAPH POLE
RIGHT OF WAY MARKERS
REFERENCE STAKE FOR HUBS ONLY — 157 / 155
MARSH
HEDGE
TREES
GROUND ELEVATION ... DATUM LINE — 733
GRADE ELEVATION ... DATUM LINE — 736

LAYOUT

SCALE 1 MILE

TOTAL NET LENGTH OF CENTERLINE = 5.564 MI.

STATE HIGHWAY COMMISSION OF WISCONSIN
MADISON, WIS.

R.P.V.N. R.V.N. MONUMENT 50 - 51
DISTRICT COMPUTER C.A.M. M.O. COMPUTER
DISTRICT ENGINEER L.U.L. CHECKED

CORRECT:
DATE 4-15-58 DISTRICT ENGINEER

RECOMMENDED FOR APPROVAL:
DATE 9-22-58 J. S. Pilz ENGINEER OF DESIGN

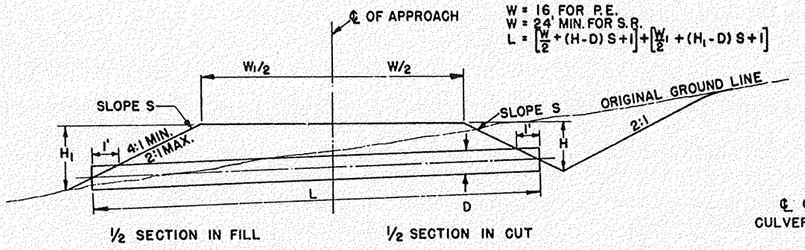
APPROVED:
DATE March 26, 1959 STATE HIGHWAY ENGINEER

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS

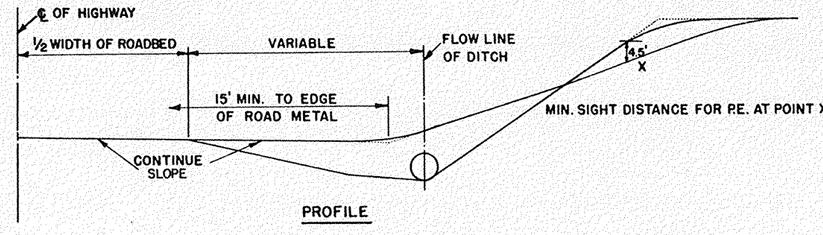
APPROVED: DATE
DISTRICT ENGINEER

FIELD INSPECTED BY C.C. EMMEL W.H.C.

S 1254(1)

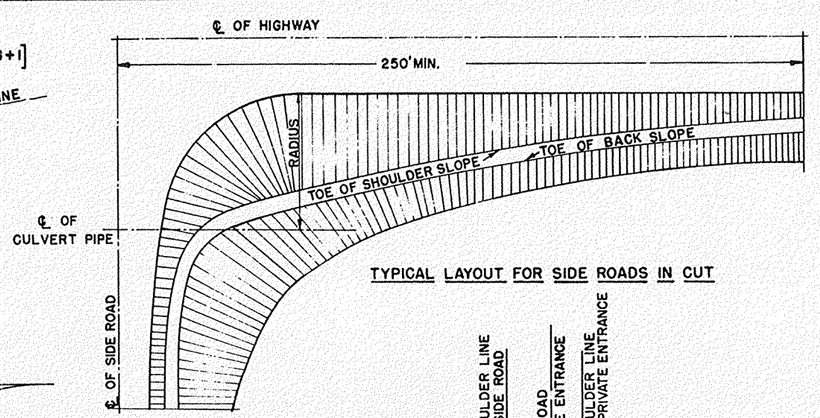


TYPICAL CROSS SECTION



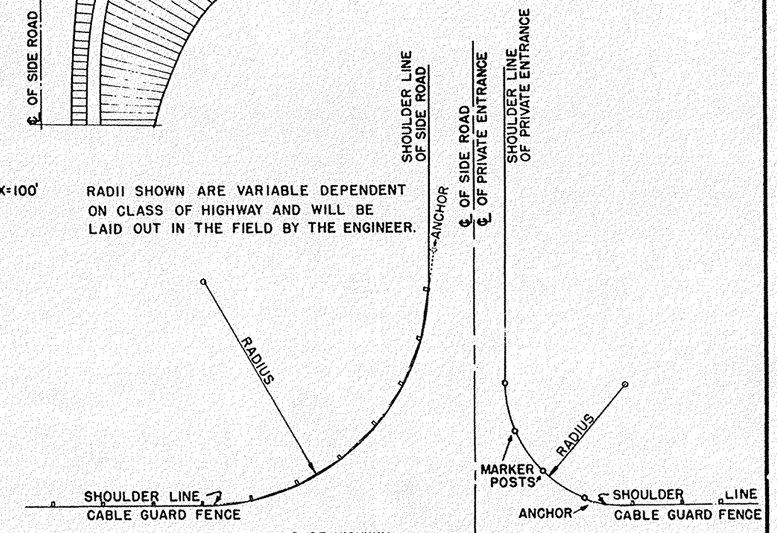
PROFILE

MIN. SIGHT DISTANCE FOR P.E. AT POINT X=100'



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

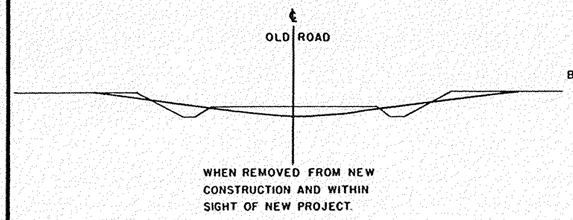
DRAWN

CHECKED

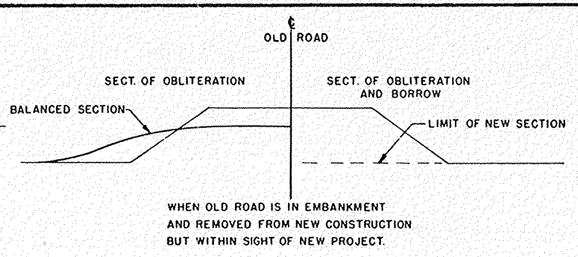
DATE

W. A. Rosenkranz
STATE HIGHWAY ENGINEER

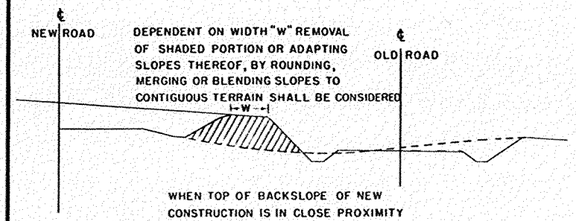
1-3.1.1



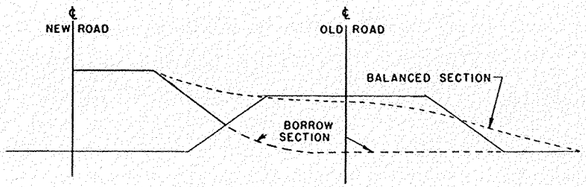
WHEN REMOVED FROM NEW CONSTRUCTION AND WITHIN SIGHT OF NEW PROJECT.



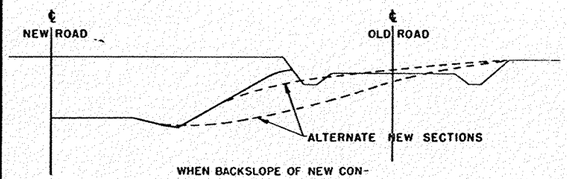
WHEN OLD ROAD IS IN EMBANKMENT AND REMOVED FROM NEW CONSTRUCTION BUT WITHIN SIGHT OF NEW PROJECT.



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 Crain
DESIGN ENGINEER

DATE

A. R. Clark
CONSTRUCTION ENGINEER

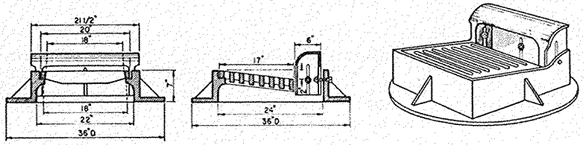
APPROVED:

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

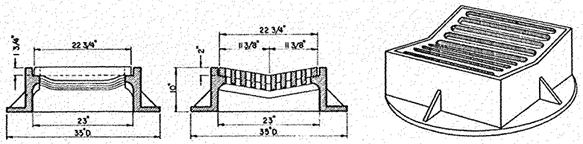
OCT. 1, 1945
DATE

E. L. Ruettgen
STATE HIGHWAY ENGINEER

1-4.1.1

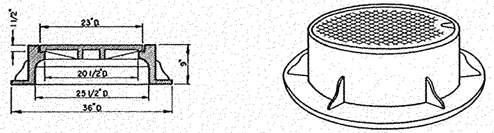


TYPE "A" - (Approx. Weight 400 Lbs.)

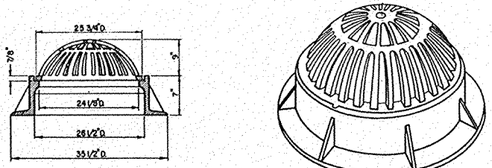


TYPE "B" - (Approx. Weight 440 Lbs.)

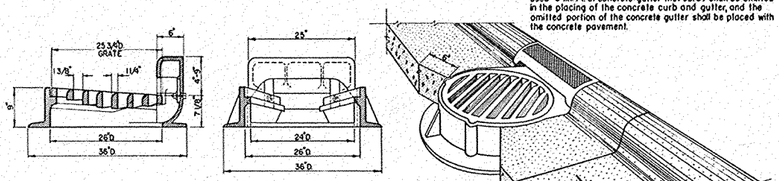
TYPE "C" - (Approx. Weight 350 Lbs.)



TYPE "D" - (Approx. Weight 400 Lbs.)

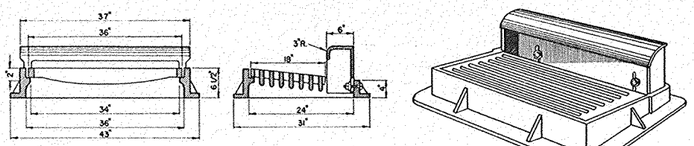


TYPE "E" - (Approx. Weight 325 Lbs.)

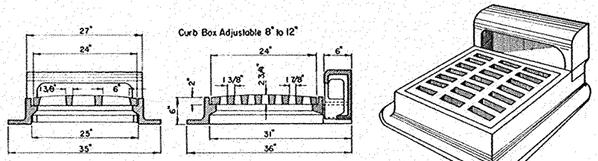


TYPE "G" - (Approx. Weight 450 Lbs.)

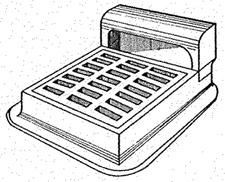
NOTE: When Type "G" Catch Basin Covers are used - 5 lin. Ft. of concrete gutter (not curb) shall be omitted in the placing of the concrete curb and gutter, and the omitted portion of the concrete gutter shall be placed with the concrete pavement.



TYPE "H" - (Approx. Weight 500 Lbs.)



TYPE "M" - (Approx. Weight 575 Lbs.)



GENERAL NOTES:

Details of Construction, Materials and Workmanship not shown on this drawing shall conform to the pertinent requirements of the Standard Specifications Sections 2520 and 3123, and the applicable Special Provisions.

MATERIALS —
All Iron Castings shown on this drawing shall conform to the requirements for Class 25 of the Standard Specifications for Gray Iron Castings, A.S.T.M. Designation A 48, and Section 4123 of the Standard Specifications.

BEARING SURFACES —
All Catch Basin and Inlet frames and grates which are placed in vehicular traffic areas shall be "Non-Rocking" type, or shall be "Bearing Surface" machined so as to prevent any or all cover noise under traffic.

NOMENCLATURE —
All Catch Basin and Inlet units are designated on the Plans as "Catch Basins 1-A, 2-B etc., or "Inlets 1-A, 2-B etc. This designation is interpreted to mean that the number or first digit designates the Masonry portion of the structure, and the following letter or second digit designates the type of cover or Iron Casting (shown hereon) to be used therewith to comprise the complete Unit "Catch Basin" or "Inlet" in place.

ADJUSTMENTS —
Curb Box height to be adjustable 4"-9". Curb Box height to be adjusted after curb form is in place.

ALTERNATE DESIGNS —
Detailed drawings for proposed Alternate Designs for "Catch Basin" or "Inlet" Covers may be submitted to the Engineer for approval providing that such Alternate Designs make provision for equivalent capacity and strength.

CATCH BASIN & INLET COVERS

STATE HIGHWAY COMMISSION OF WISCONSIN

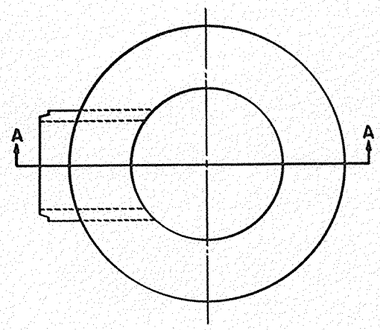
RECOMMENDED FOR APPROVAL:

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

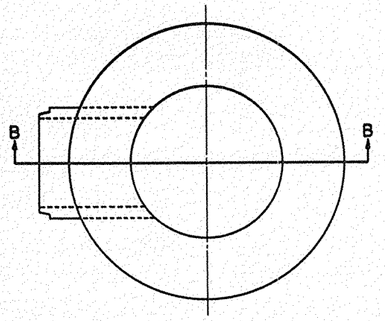
APPROVED:

3/28/57 DATE — F. L. Rasttiss STATE HIGHWAY ENGINEER

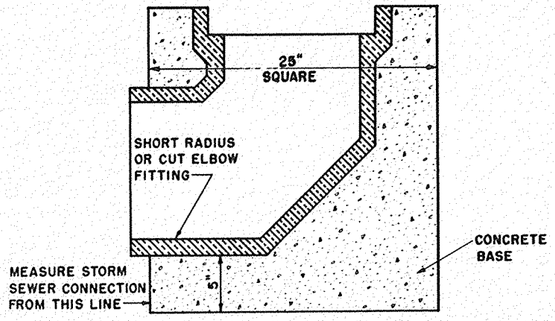
PLATE NO. 5-3.4.3.



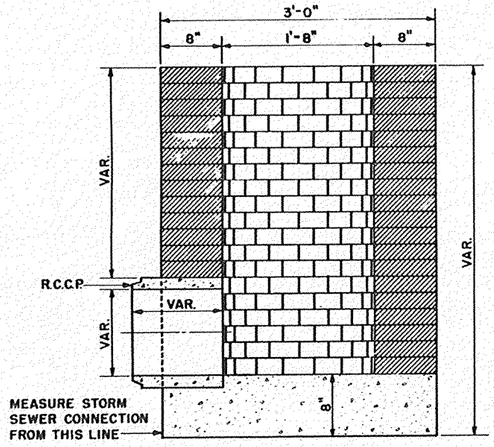
TOP OF INLET



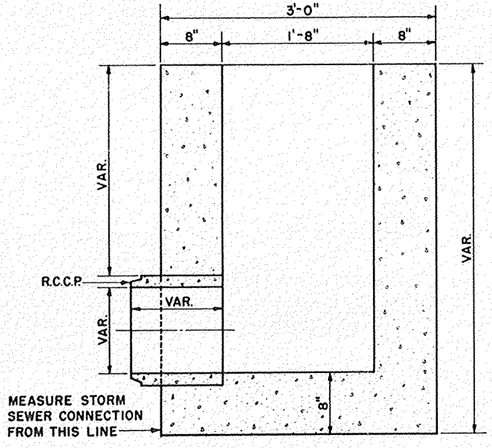
TOP OF INLET



TYPE 2



SECTION A-A
BRICK



SECTION B-B
CONCRETE

TYPE 1

GENERAL NOTES

DETAILS RELATIVE TO THESE ITEMS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

VARIATIONS IN DIMENSIONS AND DESIGN WILL BE PERMISSABLE PROVIDING EQUIVALENT CAPACITY AND STRENGTH ARE ATTAINED.

ARRANGEMENT, SIZE AND NUMBER OF INLET AND DISCHARGE PIPES SHALL CONFORM TO THE NEEDS OF THE PERTINENT LOCATION.

INLETS ARE CALLED FOR ON THE PLANS AS "INLETS I-N", "INLETS 2-R", ETC., THE NUMERAL DESIGNATES THE MASONRY PORTION OF THE STRUCTURE AND THE LETTER DESIGNATES THE COVER TO BE USED THEREON.

WHEN CONCRETE IS USED IN THE CONSTRUCTION OF TYPE I INLET, THE TOP OF THE MASONRY SHALL BE LEFT SUFFICIENTLY LOW TO PERMIT PROPER ADJUSTMENT OF COVER TO GRADE BY THE USE OF MORTAR AND BRICK.

INLETS

STATE HIGHWAY COMMISSION OF WISCONSIN

RECOMMENDED FOR APPROVAL:

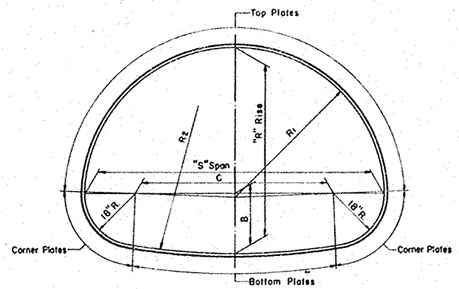
DATE 1/27/53 — CONSTRUCTION ENGINEER

APPROVED:

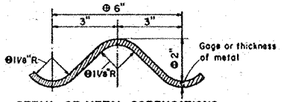
DATE 1/27/53 — STATE HIGHWAY ENGINEER

DRAWN LJD
CHECKED

5-3.5.1



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"/14 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.

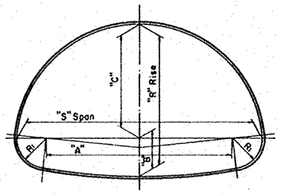
Shutting of Pipe Arches will not be required during construction unless specifically called for on the plans or the applicable Special Provisions.

TABLE OF PROPERTIES
STRUCTURAL PLATE PIPE ARCH

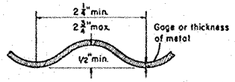
SPAN Nominal Size	Dimensions taken from inside crests of corrugations							Table of Metal Gages—Minimum Acceptable																	
	Fabricators Size Min. Acceptable	R/S Ratio	Area Sq.Ft.	B In.	C In.	R1 In.	R2 In.	H-20 LOADING Depth of Embankment in Feet																	
	"S" Span—"R" Rise							1	2	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	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"/14 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									Round Pipe of Approx. Equal Periphery	
Gage (Min. Acceptable)	"S" Span Inches	"R" Rise Inches	"A" Inches	"B" Inches	"C" Inches	R1 Inches	R/S Ratio	Area Sq.Ft.	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 1/8	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 1/8	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:

5-27-57
DATE

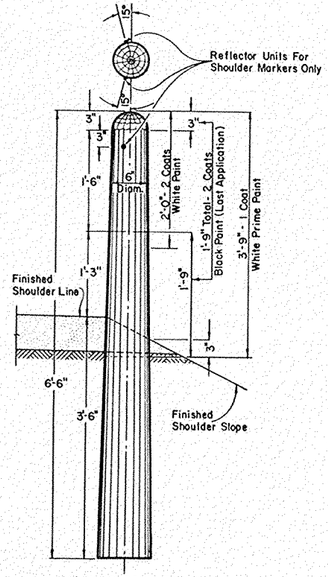
J. A. Pelt
ENGINEER OF DESIGN

APPROVED:

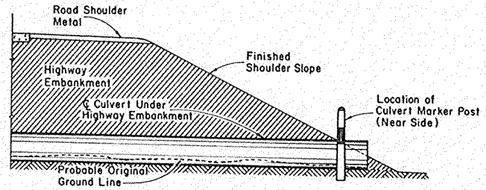
5/28/57
DATE

E. C. Ruettiger
STATE HIGHWAY ENGINEER

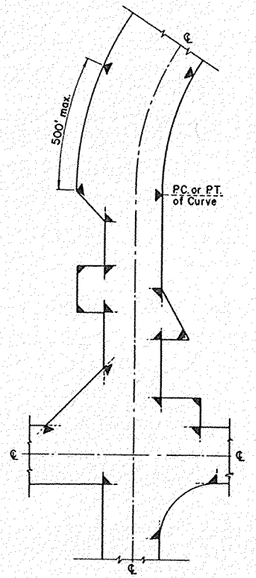
PLATE NO. 6-5.3.1



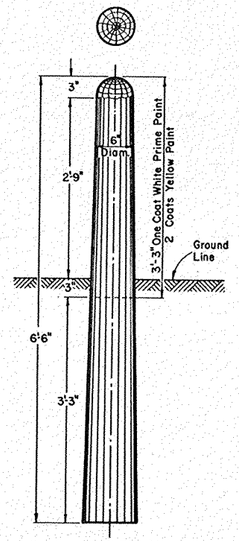
MARKER POST FOR
ROAD SHOULDERS AND CULVERTS



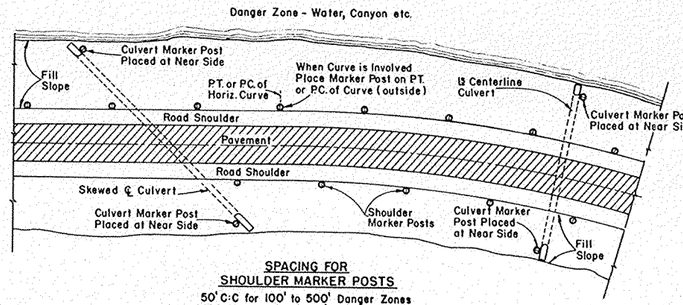
SECTION
SHOWING RELATIVE LOCATION OF
MARKER POST FOR CULVERTS



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

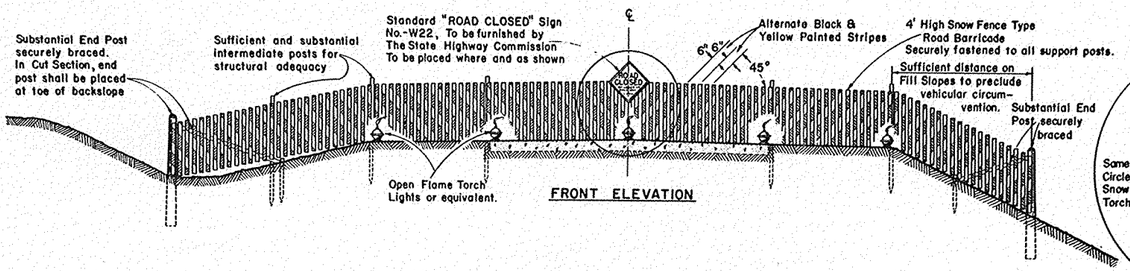
J. A. Ritt
ENGINEER OF DESIGN

APPROVED:

5/16/57
DATE

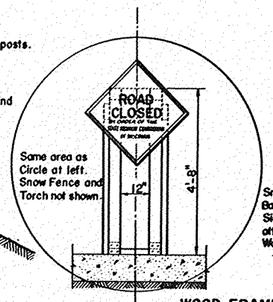
E. L. Ruettinger
STATE HIGHWAY ENGINEER

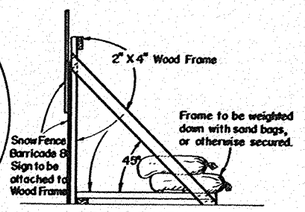
PLATE NO. 7-1.3.3.



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:

6/15/55 — DATE

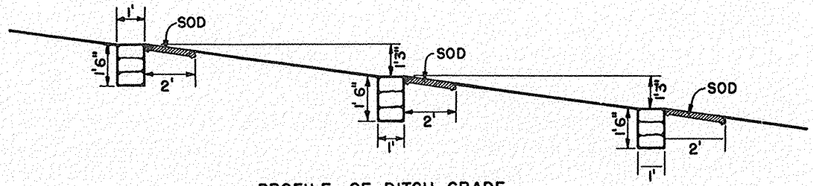
J. L. Pelt — ENGINEER OF DESIGN

APPROVED:

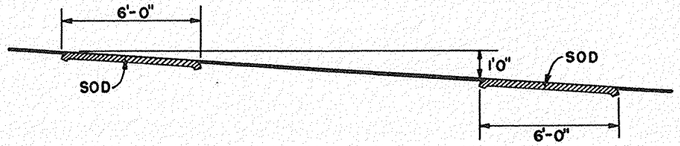
6/15/55 — DATE

E. C. Rustigan — STATE HIGHWAY ENGINEER

PLATE NO. 7-4.1.2

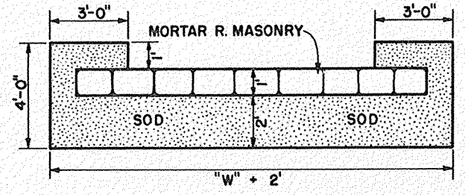


PROFILE OF DITCH GRADE

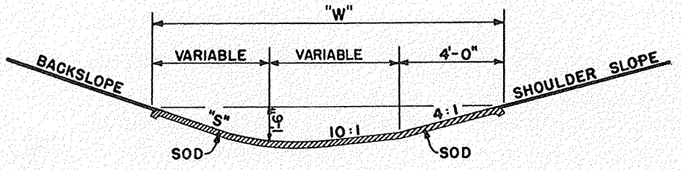


PROFILE OF DITCH GRADE

NOTE: NUMBER REQUIRED WILL BE DETERMINED BY VERTICAL SPACING.



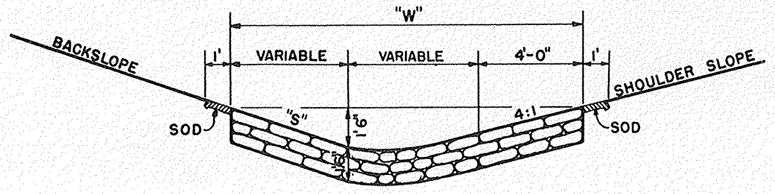
PLAN VIEW SHOWING SOD



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:

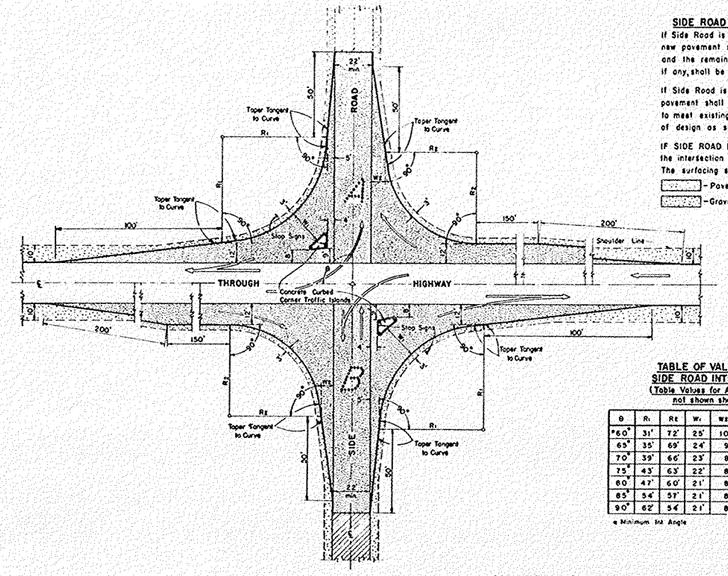
CONSTRUCTION ENGINEER

APPROVED:

DRAWN DIV 9
CHECKED N.F.C.

E. L. Roettiger
STATE HIGHWAY ENGINEER

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.

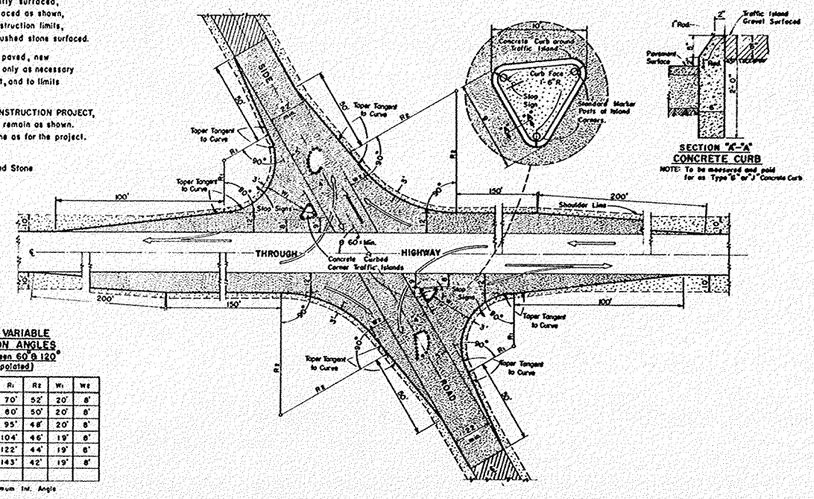
- Pavement
- Gravel or Crushed Stone

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

θ	R_1	R_2	W_1	W_2
*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	R_1	R_2	W_1	W_2
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 "E"-"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

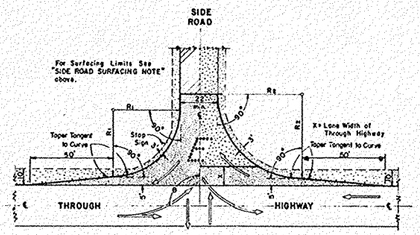


TABLE OF VALUES FOR VARIABLE SIDE ROAD INTERSECTION ANGLES
(Table Values for Angles between 60° & 120° not shown shall be interpolated)

θ	R_1	R_2
* 60°	40'	50'
65°	40'	50'
70°	40'	50'
75°	40'	50'
80°	40'	50'
85°	40'	50'
90°	40'	50'

θ	R_1	R_2
95°	45'	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 1/17/58 — ENGINEER OF DESIGN

APPROVED
DATE 1/17/58 — STATE HIGHWAY ENGINEER

PLATE NO. 9-11.3

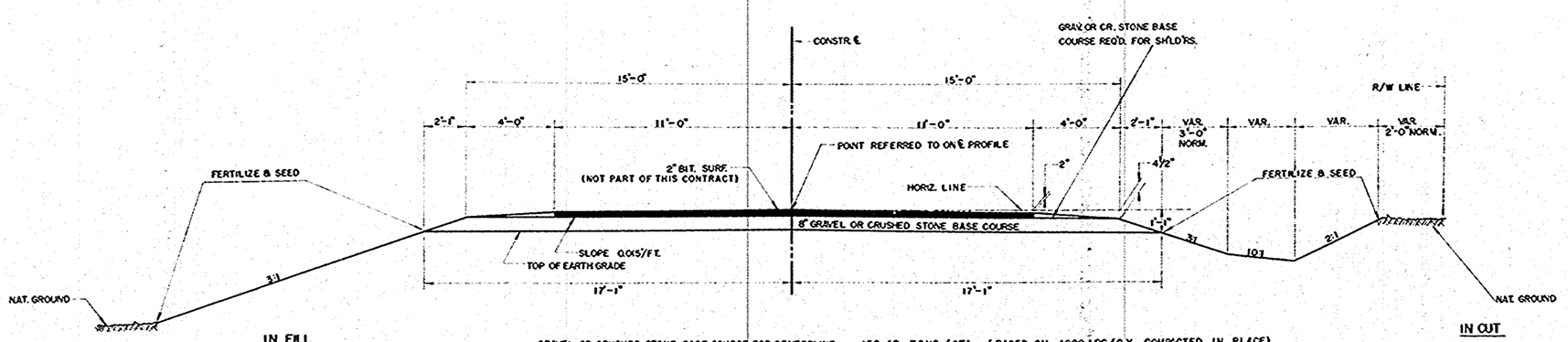
ESTIMATE OF QUANTITIES

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 AUG. 9, 1957 AND SPECIAL PROVISIONS AS ATTACHED TO PROPOSALS.

CONTRACT NO. 182

PROJECT	SHEET NO.	TOTAL SHEETS
S 1254(1)	2	46

CONTRACT NO.	STATION TO STATION		NET LENGTH OF CENTER LINE	CLEARING	GRUBBING	EXCAVATION			SAND GRAVEL FILL	FINISHING ROADWAY	OBLITERATING OLD ROAD	GRAVEL OR CRUSHED STONE BASE COURSE		CULVERT PIPE				CORR. METAL PIPE ARCH			CORR. METAL CULV. PIPE 48"	STRUCTURAL PLATE PIPE ARCH 8'SPAN	MARKER POSTS	INLET TYPE I-C	MORTAR RUBBLE MASONRY	MORTAR RUBBLE DITCH CHECKS								BITUM. MAT FOR PRIME COAT	BITUM. ROAD MIX SURF.	AGGREGATE FOR BITUMINOUS ROAD MIX SURFACE	BITUMINOUS MATERIAL FOR SURFACE COURSE		CALCIUM CHLORIDE		TOP SOIL	SALVAGED TOP SOIL	FERTILIZER	SEEDING	
	ITEM NO.			2101-2	2101-5	2106-	2106-5	2106-	2110-1	2114-1	2116-1	S.P.	S.R.	2411-1	2411-2	2411-3	2411-4	2411-31	2411-32	2411-33	2412-21	2412-22	2523-5	2520-21	2409-2	2516-3												2525-1	2528-1	2528-2	2531-1	2532-1	
	UNIT		LIN.FT.	L.D.	L.D.	C.Y.	C.Y.	C.Y.	C.Y.	L.S.	STA.	TON	TONS	LIN.FT.	LIN.FT.	LIN.FT.	LIN.FT.	LIN.FT.	LIN.FT.	LIN.FT.	LIN.FT.	LIN.FT.	EACH	EACH	C.Y.	C.Y.												TON		SQ.YD.	CWT.	SQ.YD.	
1	0+08 -	292+00	29,379.2	1,548	2,924		57,146			1	10		45,800	1,728	412	198	88	46	50	126	12	24	60	1	3	80												39			142	157,700	
2	0+08 -	292+00	29,379.2									45,800																														
182	0+08 -	292+00	29,379.2	1,548	2,924		57,146			1	10	45,800	45,800	1,728	412	198	88	46	50	126	12	24	60	1	3	80												39			142	157,700	



IN FILL

IN CUT

GRAVEL OR CRUSHED STONE BASE COURSE FOR CENTERLINE = 158.42 TONS/STA. (BASED ON 4000 LBS/C.Y. COMPACTED IN PLACE)
" " " " " " SHOULDERS = 6.35 TONS/STA. (BASED ON 5143 LBS/C.Y. " " ")
AGGREGATE FOR BIT. ROAD MIX SURFACE = 19.02 C.Y. / STA. (INCLUDES 40% FOR COMPACTION)

NORMAL TYPICAL FINISHED SECTION

STA. 0+08 — STA. 270+00

GRAV. OR CR. STONE BASE COURSE	
LOCATION	TONS
CENTERLINE	43,700
P.E'S & SD. RD'S.	2,100
SHOULDERS	—
TOTAL	45,800

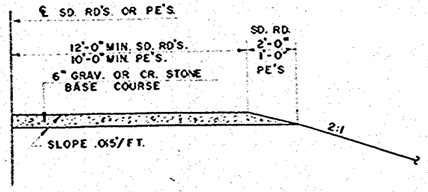
GENERAL NOTES

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

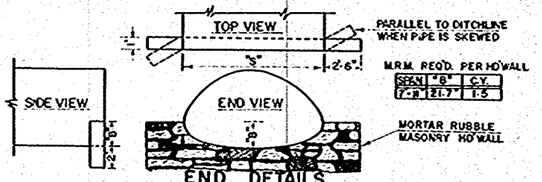
ON ALL HORIZONTAL CURVES THE NORMAL CROWN SHALL BE REMOVED AND THE PAVEMENT SURFACE, BASE COURSE, AND EARTH GRADE SHALL RESULT IN A STRAIGHT LINE SLOPE ACROSS THE ENTIRE WIDTH OF ROADBED.

STANDARD DRAWINGS

DETAILS OF P.E. & SD. RD. APPR.	1-3.1.1
OBLITERATING OLD RD.	1-4.1.1
INLET COVERS	5-3.4.3
INLETS	5-3.5.1
STRUCT. PLATE PIPE ARCH	6-5.3.1
MARKER POSTS	7-1.3.3
CONSTR. BARRICADE	7-4.1.2
DITCH CHECKS	8-1.3.1
INTERSECTION LAYOUT	9-1.1.3

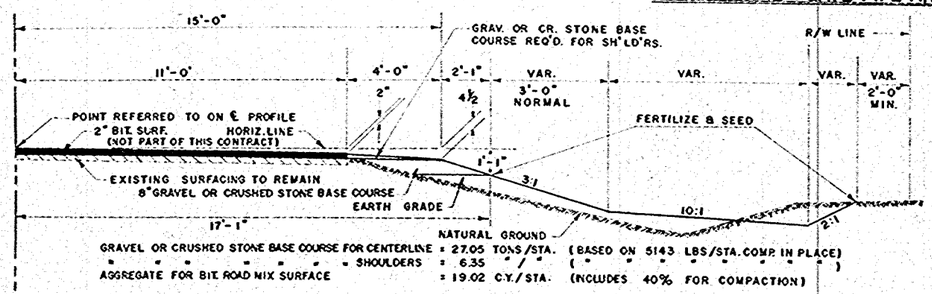


1/2 SECTION FOR SD. RD'S. & P.E'S.



END DETAILS STRUCTURAL PLATE PIPE ARCH.

CULVERT PIPES					
STATION	LOCATION	DIA.	LENGTH	TYPE	MARKERS
12+63	℄	48"	88'	C.P.	2
26+30	SD. RD. RT.	18"	44'	"	2
43+75	P.E. RT.	24"	32'	"	—
49+55	℄	24"	44'	"	2
76+17	℄	36"	54'	"	2
87+90	℄	58" X 36" X 56'		C.M.P.A.	2
105+15	℄	24"	58'	C.P.	2
105+85	℄	24"	64'	"	2
120+20	℄	58" X 36" X70'		C.M.P.A.	2
131+40	℄	36"	58'	C.P.	2
131+70	SD. RD. LT.	36"	54'	C.P.	2
145+26	℄	36" X 22" X 46'		C.M.P.A.	2
149+30	℄	24"	44'	C.P.	2
160+50	℄	24"	50'	"	2
161+31	SD. RD. LT.	18"	46'	"	2
175+08	℄	43" X 27" X 50		C.M.P.A.	2
178+26	P.E. LT.	36"	32'	C.P.	—
181+15	SD. RD. RT.	24"	46'	"	2
205+54	℄	24"	74'	"	2
269+77	SD. RD. LT.	18"	54'	"	2
269+77	SD. RD. RT.	18"	48'	"	2
284+13	℄	48"	EXT. 6' RT. 6' LT.	C.M.C.P.	2
286+52	℄	8' SPAN	EXT. 10' RT. 14' LT.	S.P.P.A.	2
48 EACH	P.E. RT. & LT.	18"	32'	C.P.	—



GRAVEL OR CRUSHED STONE BASE COURSE FOR CENTERLINE = 27.05 TONS/STA. (BASED ON 5143 LBS/STA. COMP. IN PLACE)
" " " " " " " " " " SHOULDERS = 6.35 " / " (" " " " " " " " " " " ")
AGGREGATE FOR BIT. ROAD MIX SURFACE = 19.02 C.Y./STA. (INCLUDES 40% FOR COMPACTION)

1/2 NORMAL TYPICAL FINISHED SECTION

STA. 270+00 TO STA. 292+00

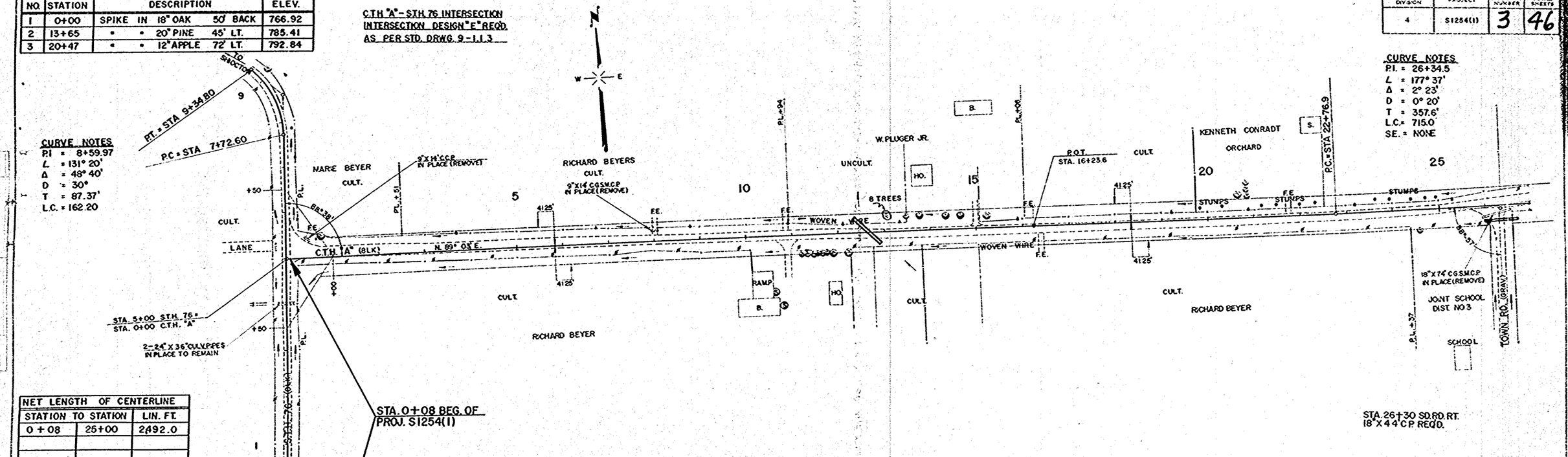
TYPICAL CROSS SECTION FOR 30 FT. ROADBED — 22 FT. BIT. PAV'T. AND MISCELLANEOUS CONSTRUCTION DETAILS

B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S1254(1)	3	46

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
1	0+00	SPIKE IN 18" OAK 50' BACK	766.92
2	13+65	" " 20" PINE 45' LT.	785.41
3	20+47	" " 12" APPLE 72' LT.	792.84

C.T.H. "A" - S.T.H. 76 INTERSECTION
INTERSECTION DESIGN "E" REQD.
AS PER STD. DRWG. 9-1.1.3



NET LENGTH OF CENTERLINE		
STATION	TO STATION	LIN. FT.
0+08	25+00	2492.0

UNC. EXC. = 898 C.Y.
FILL = 673 C.Y.

UNC. EXC. = 916 C.Y.
FILL = 687 C.Y.

UNC. EXC. = 1,658 C.Y.
FILL = 1,264 C.Y.

UNC. EXC. = 2,394 C.Y.
FILL = 1,610 C.Y.

GENERAL NOTES

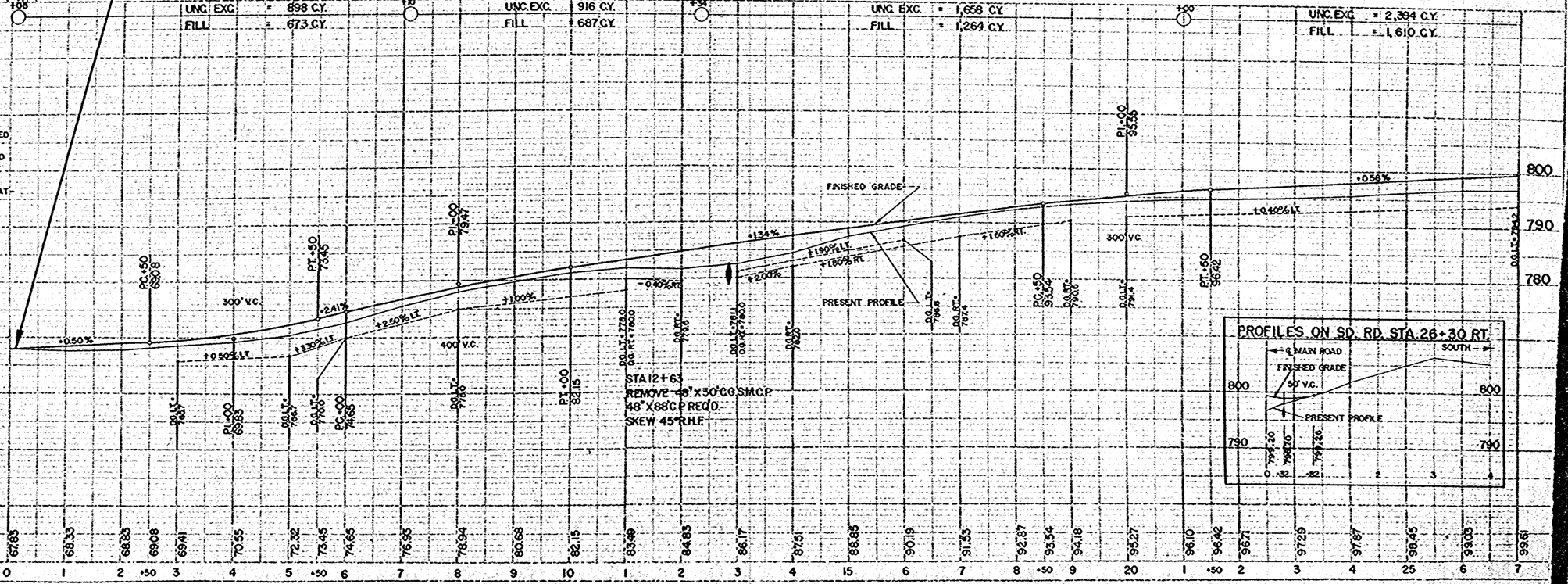
THE EXACT LOCATION OF ALL PRIVATE ENTRANCES AND SIDE ROAD PIPES AND MARKER POSTS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE C.Y. OF "FILL" AS SHOWN ON THIS PLAN PERTAINS TO EMBANKMENT CONSTRUCTED FROM UNCLASS. EXC. THE SHRINKAGE ALLOWANCE VARIES FROM 30 % TO 50 %.

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

LEGEND

UNC. EXC.	UNCLASSIFIED EXCAVATION
D.G.	DITCH GRADE
C.P.	CULVERT PIPE
C.G.S.M.C.P.	CORR. GALV. SHEET METAL CULV. PIPE
C.M.P.A.	CORR. METAL PIPE ARCH
S.P.P.A.	STRUCTURAL PLATE PIPE ARCH
P.E.	PRIVATE ENTRANCE
F.E.	FIELD ENTRANCE
	POWER POLE
	TELEPHONE POLE
	OLD RD. OBLITERATION



B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S 1254 (1)	4	46

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
4	30+52	SPIKE IN 30" BASSWOOD 100' LT.	800.61
5	42+90	" " 30" ELM 80' RT.	797.37
6	52+70	" " POWER POLE 75' LT.	788.23

CURVE NOTES
P.I. = 26+34.5
L = 177° 37'
Δ = 2° 23'
D. = 0° 20'
T. = 357.6
L.C. = 722.1
S.E. = NONE

P.T. STA 29+91.8

STA. 49+55 - LT.
REMOVE 24" C.B.
TYPE I-C INLET REQ'D.
(THE EXACT LOCATION AND ELEV. TO BE DETERMINED BY THE ENGINEER IN THE FIELD)

24" C.P.
3:1
2:1
12" C.C.P.

CLEAN OUT DITCH

P.I.+69 (BLK.)
P.I.+17
TOWN RD.
12" C.C.P. (TO REMAIN)
12"-30"

KENNETH CONRADT
CULT.
WILLIAM H. PLUGER
CULT.
ALBERT H. KADDATZ
CULT.
LEO PULS
CULT.

25 30 35 40 45 50 55

HO.
P.E.
F.E.
STUMPS
41.25'
C.T.R. "A" (BLK.)
N86°-40'E.
B.E. 87'
REMOVE 18"X74' CULV. PIPE
TOWN RD. (GRAV.)
SCHOOL
P.I.+84
24"X20" C.G.S.M.C.P. IN PLACE (REMOVE)
P.C.= STA. 49+51.4
P.T.= STA. 56+34.8

CURVE NOTES
P.I. = 52+93.2
L = 183° 25'
Δ = 3° 25'
D. = 0° 30'
T. = 341.8'
L.C. = 683.4'
S.E. = NONE

NET LENGTH OF CENTERLINE		
STATION TO STATION		LIN. FT.
25+00	55+00	3000

UNC. EXC. = 873 C.Y.
FILL = 618 C.Y.

UNC. EXC. = 2194 C.Y.
FILL = 1446 C.Y.

PROFILES ON SD. RD. STA 53+93 LT.
NORTH ← ℄ MAIN ROAD → SOUTH
790 FINISHED GRADE -1.50% 790
PRESENT PROFILE
780 780
8.02 8.52

800 790 780

+0.58%
+0.40% LT.
-1.90% LT. (-0.90% LT.)
300' V.C.
-0.46%
-0.30% LT.
FINISHED GRADE
PRESENT PROFILE
P.I.+50 801.64
P.C.+00 800.77
P.T.+80 800.80
P.C.+50 788.20
P.I.+00 787.56
300' V.C.
D.C. LT. = 794.2
D.C. LT. = 796.1
D.C. LT. = 797.0
D.C. LT. = 788.0
D.C. LT. = 789.9

STA. 49+55
REMOVE 24" X 30" C.G.S.M.C.P.
24"X44" C.P. REQ'D.
SKEW 15° L. H. F.

+00 +00 +00

98.48 99.03 99.61 00.19 00.27 01.16 01.21 01.17 00.80 00.24 99.68 99.12 98.56 98.00 97.44 96.88 96.32 96.36 95.80 95.24 94.68 94.80 93.52 92.96 92.40 91.84 91.28 90.72 90.16 89.60 89.04 88.48 88.20 87.95 87.63 87.54

25 6 7 8 9 30 +50 1 2 3 4 35 6 7 8 9 40 1 2 3 4 45 6 7 8 9 50 1 2 3 4 +50 55 6 7

PLATE 1 - PLAN-PROFILE B.P.R. STANDARD

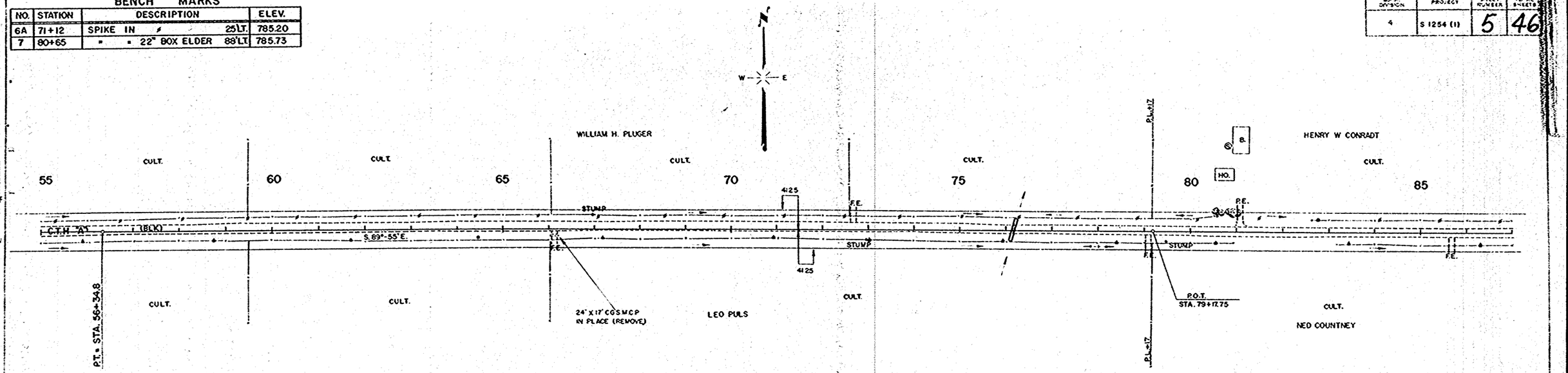
DATE 10-57 11-57
BY W.W.N. R.R.M. W. E.M. 10-57
PROFILE SURVEYED PLOTTED CHECKED
VERT. SCALE 1" = 10 HORIZ. SCALE 1" = 50 PLOTTING ROTATING CENTER
NO. 51

DATE 10-57 11-57
BY W.W.N. W. E.M.
PLAN SURVEYED PLOTTED CHECKED
HORIZ. SCALE 1" = 50 ALIGNMENT PACKED BY PT. OF WAY CHECKED
NOTE BOOK NO. 50

B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S 1254 (1)	5	46

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
6A	71+12	SPIKE IN " 25'LT.	785.20
7	80+65	" " 22" BOX ELDER 89'LT.	785.73



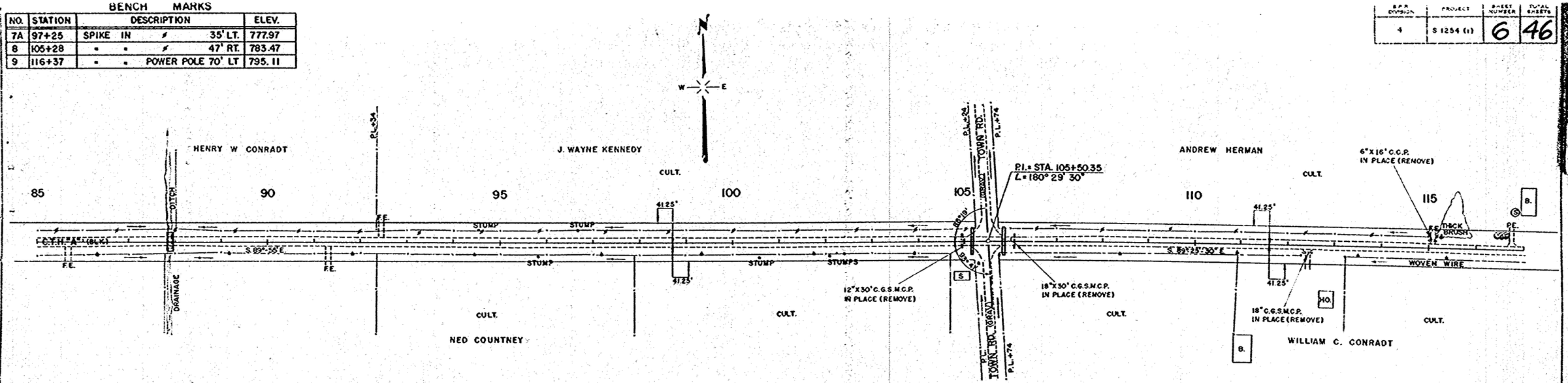
NET LENGTH OF CENTERLINE		
STATION TO STATION		LIN.FT.
55+00	85+00	3,000

PLATE 1 - PLANOGRAPH B.P.R. STENCILS
THE FRISCHKE PRINTING CO., CHICAGO, INC.

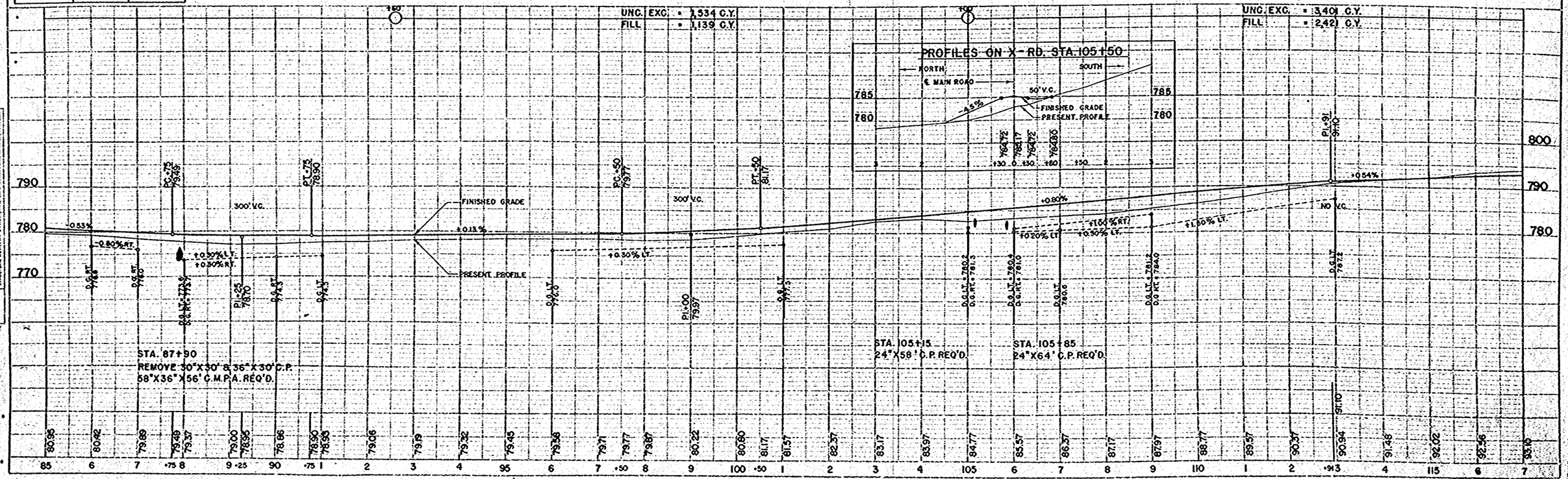
B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S 1254 (1)	6	46

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
7A	97+25	SPIKE IN ø 35' LT.	777.97
8	105+28	" " ø 47' RT.	783.47
9	116+37	" " POWER POLE 70' LT	795.11



NET LENGTH OF CENTERLINE		
STATION TO STATION		LIN. FT.
85+00	115+00	3,000



B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S 1254 (1)	7	46

BENCH MARKS

NO.	STATION	DESCRIPTION		ELEV.
9	116+37	SPIKE IN POWER POLE	70' LT.	795.11
10	125+40	PT. MK. BOT. STEP OF PORCH	70' LT.	801.01
11	131+92	SPIKE IN POWER POLE	75' RT.	796.53
12	134+65	" " 8" APPLE	75' LT.	803.04
13	137+66	" " 10" APPLE	61' RT.	809.85

STA. 131+70 SD. RD. LT.
REMOVE 30" X 16' C.G.S.M.C.P.
36" X 54' C.P. REQ'D.
SKEW 15° R.H.F.

CLEAN OUT DITCH

ANDREW HERMAN
18" X 12' C.G.S.M.C.P. IN PLACE (REMOVE)
EARL L. SYKES
NORBERT MERKES
6" X 20' TILE IN PLACE (REMOVE)
LEONARD BANTES
WILLIAM C. CONRADT
JAMES THORNTON
ROLLIE A. HELSER
CULT.
UNCULT.
WOVEN WIRE
STUMPS
DRAINAGE DITCH
TOWN RD. 1064
S 89°-25'-30" E.
115 120 125 130 135 140 145
P.I.+71 P.I.+02 P.I.+52 P.I.+17
P.I.+40 P.I.+89
P.C.= STA. 144+70.75
4L25'

CURVE NOTES
P.I. = 148+52.25
L = 223°32'
Δ = 43°32'
D. = 6°
T. = 381.5'
L.C.= 725.5'
SE = 0065 FT/FT.

NET LENGTH OF CENTERLINE

STATION TO STATION		LIN. FT.
115+00	145+00	3,000

UNC. EXC. = 1,746 C.Y. FILL = 1,310 C.Y.
UNC. EXC. = 2,002 C.Y. FILL = 1,398 C.Y.
UNC. EXC. = 821 C.Y. FILL = 617 C.Y.
UNC. EXC. = 2,527 C.Y. FILL = 1,145 C.Y.

HAUL OUT 391 C.Y. TO STA. 155+00 - 160 + 7.1
HAUL OUT 611 C.Y. TO STA. 145+00 - 155+00

PROFILES ON X-RD. STA. 131+70
NORTH FINISHED GRADE — ℄ MAIN ROAD — SOUTH
PRESENT PROFILE
50' V.C. -4.0% +4.0% 50' V.C.
800 795
99.33 99.98 99.33
3 2 1 +30 0 +30 1 2 3

PROFILE
P.I.+00 797.96
P.C.+50 799.49
P.T.+50 801.23
P.I.+00 804.92
PRESENT PROFILE
FINISHED GRADE
300' V.C. 400' V.C. NO V.C.
+0.54% +0.34% -0.3% RT. -0.2% LT. +0.82% -0.13% +0.20% RT.
-0.3% LT. -1.50% RT. +2.50% RT. +2.0% LT. +1.20% LT. +0.8% RT.
P.I.+00 800.00
P.C.+00 803.28
P.T.+00 804.66
P.C.+00 803.88
800 790 810

STA. 120+20
REMOVE 36" X 30' C.G.S.M.C.P.
58" X 36" X 70' C.M.P.A. REQ'D.

STA. 131+40
REMOVE 30" X 32' C.G.S.M.C.P.
36" X 58' C.P. REQ'D.

STA. 145+26
REMOVE 24" X 30' C.G.S.M.C.P.
36" X 22" X 46' C.M.P.A. REQ'D.

115 6 7 8 9 120 1 2 3 4 125 6 7 8 9 130 +50 1 2 3 +50 4 135 6 7 8 9 140 1 2 3 4 145 6 7

92.02 92.56 93.10 93.64 94.18 94.72 95.26 95.80 96.34 96.88 97.42 97.96 98.30 98.64 98.98 99.32 99.49 99.68 00.18 00.84 01.23 01.64 02.46 03.28 03.96 04.44 04.67 04.66 04.55 04.40 04.27 04.14 04.01 03.88 04.02

R.W.N. 10-57 R.H.N. 11-57 W.E.M. 10-57

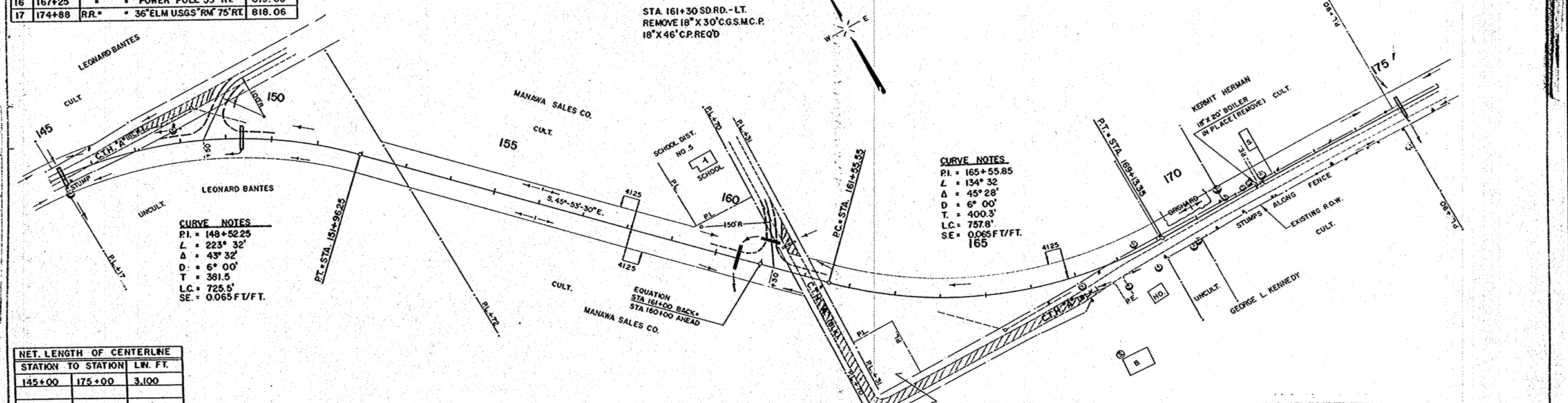
PLAN NOT SUBMITTED No. 50 — STRUCTURES PLOTTED ALIGNMENT MATCHED RT. OF WAY CHECKED

PROFILE NOT SUBMITTED No. 51 — STRUCTURES PLOTTED GRADES CHECKED ALIGNMENT MATCHED

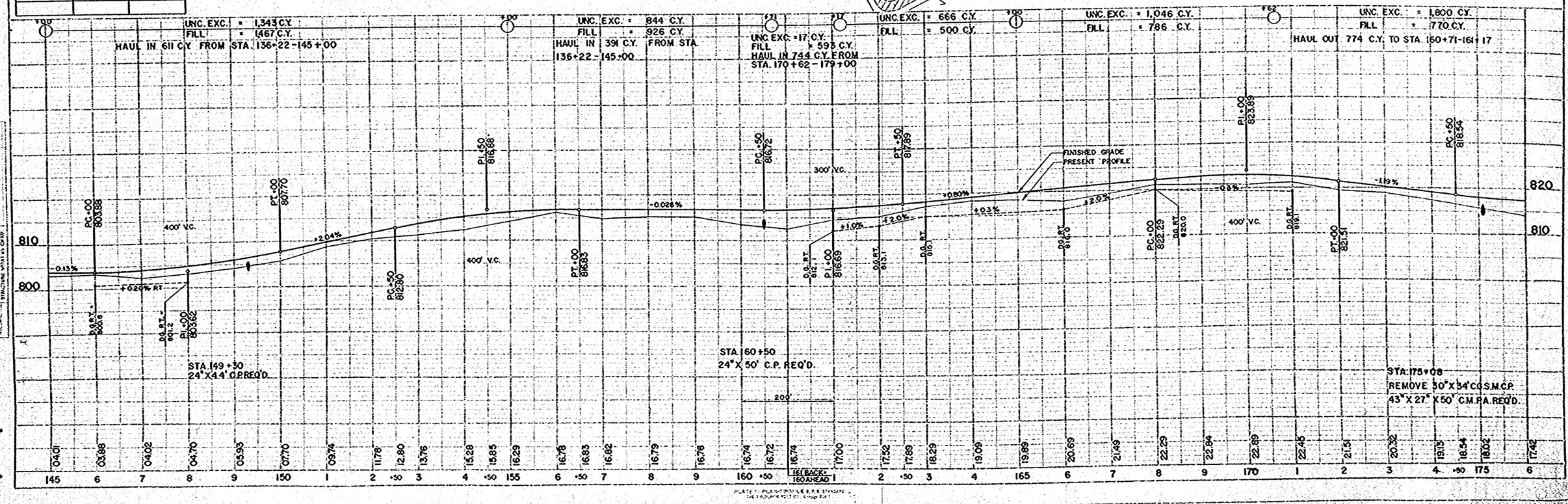
B.F.P. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S 1254(1)	8	46

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
14	148+65	SPIKE IN " " 125' LT.	806.31
15	159+15	" " 30" ELM 100' LT.	816.53
16	167+25	" " POWER POLE 55' RT.	819.83
17	174+88	RR." " 36"ELM U.S.G.S."RM" 75'RT.	818.06



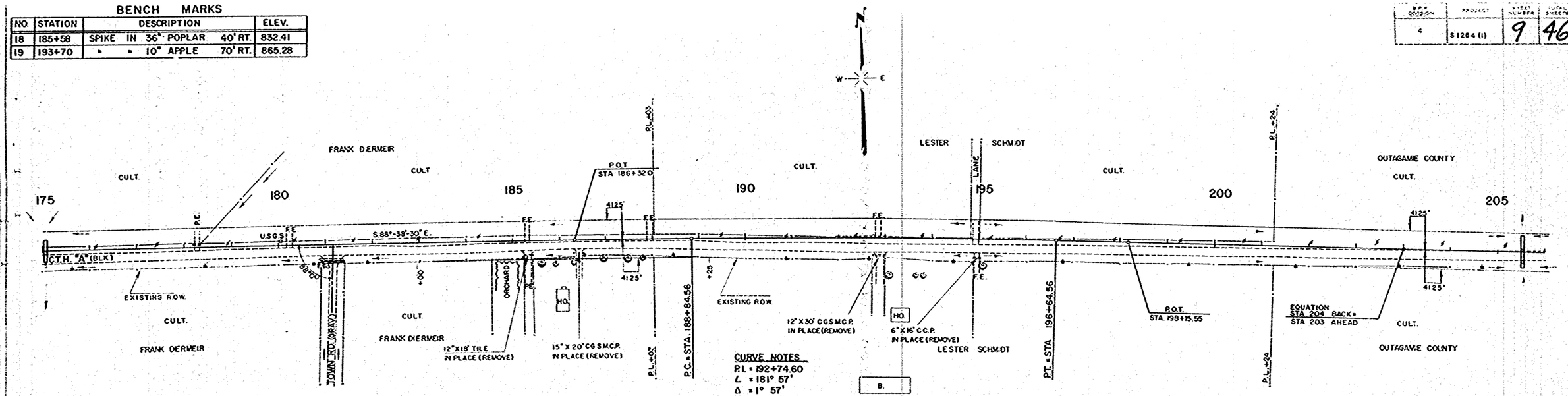
NET. LENGTH OF CENTERLINE		
STATION TO STATION		LIN. FT.
145+00	175+00	3,100



R.P.P. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S 1254 (1)	9	46

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
18	185+58	SPIKE IN 36" POPLAR 40' RT.	832.41
19	193+70	" " 10" APPLE 70' RT.	865.28



CURVE NOTES
P.I. = 192+74.60
L = 181° 57'
Δ = 1° 57'
D = 0° 15'
T = 390.04'
LC.= 780.00'

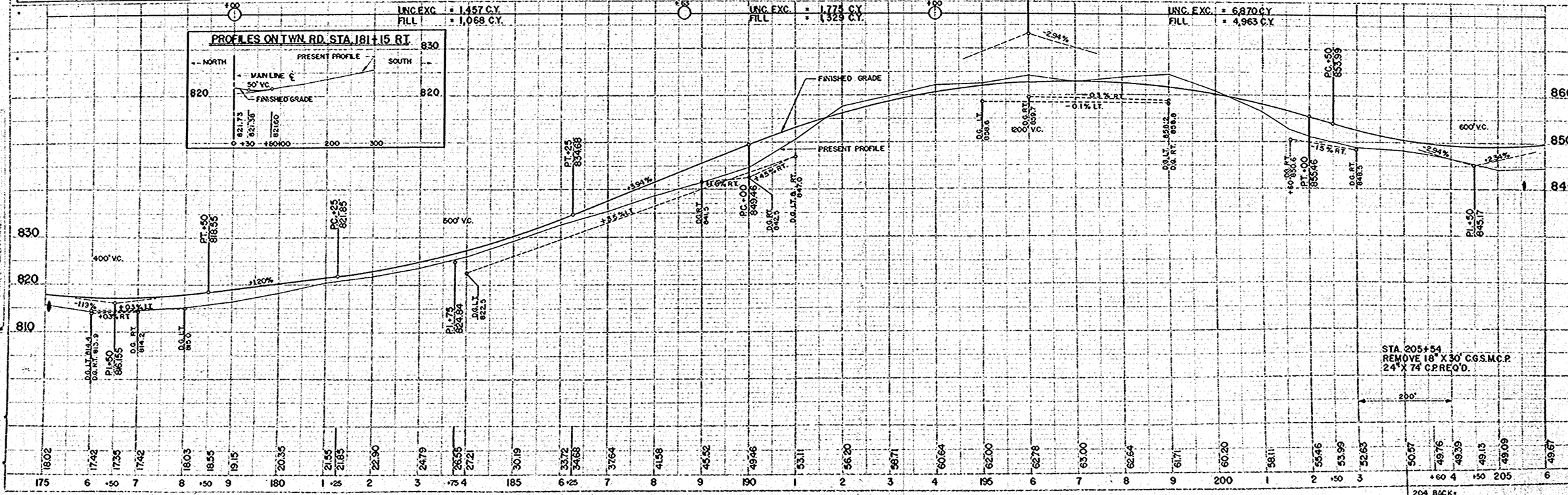
NET LENGTH OF CENTERLINE		
STATION TO STATION		LIN. FT.
175+00	205+00	3,100

STA 181+15 SD.RD.-RT.
REMOVE 18"X52"R.C.C.P.
24"X 46' C.P. REQ'D.

UNC. EXC. = 1,457 C.Y.
FILL = 1,068 C.Y.

UNC. EXC. = 1,775 C.Y.
FILL = 1,329 C.Y.

UNC. EXC. = 6,870 C.Y.
FILL = 4,963 C.Y.



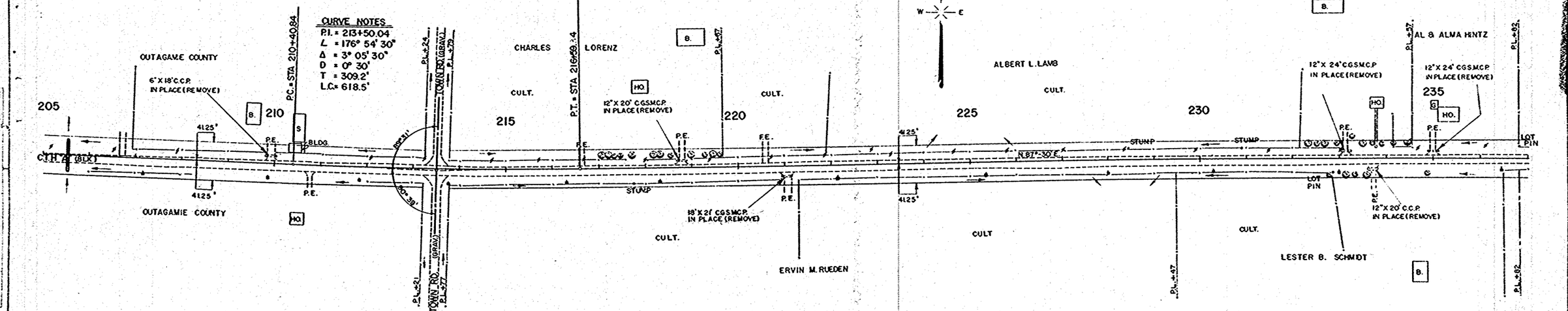
175	6	+50	7	8	+50	9	180	1	+25	2	3	+75	4	185	6	+25	7	8	9	190	1	2	3	4	195	6	7	8	9	200	1	2	+50	3	+60	4	+50	205	6
18.02	17.42		17.35	17.42		18.03	18.55	19.15		20.35	21.55	21.83		22.90	24.79	26.55	27.21	30.19	33.72	34.68	37.64	41.58	45.52	49.46	53.11	56.20	58.71	60.64	62.00	62.78	63.00	62.64	61.71	60.20	58.11	55.46	53.99	52.63	50.57	49.76	49.39	49.13	49.09	49.67

PLATE 1 - PLAN-PROFILE R.P.P. STANDARD
THE PFAUDLER PERMUTIT CO., (1957)

BRH DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S 1254 (1)	10	46

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
20	214+78	SPIKE IN 20" ELM 190' RT.	860.81
21	217+90	" " POWER POLE 140' LT.	857.19
22	233+80	" " 30" MAPLE 100' LT.	849.42

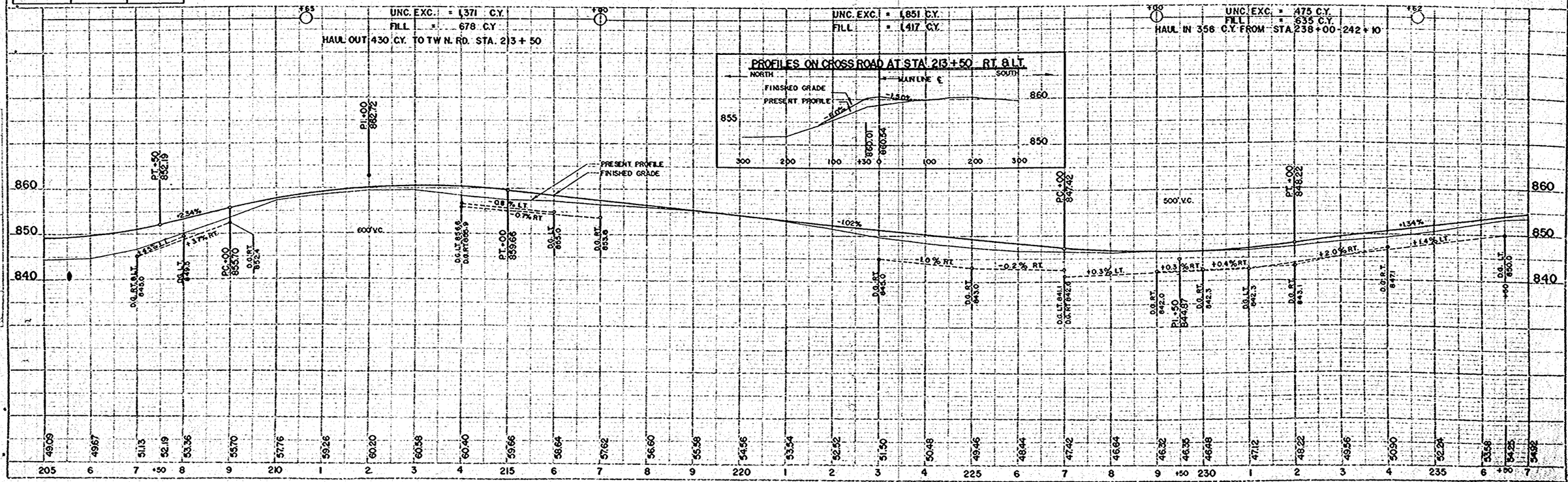


NET LENGTH OF CENTERLINE		
STATION	TO STATION	LIN. FT.
205+00	235+00	3,000

UNC. EXC. = 1,371 C.Y.
FILL = 678 C.Y.
HAUL OUT 430 C.Y. TO TWN. RD. STA. 213+50

UNC. EXC. = 1,851 C.Y.
FILL = 1,417 C.Y.

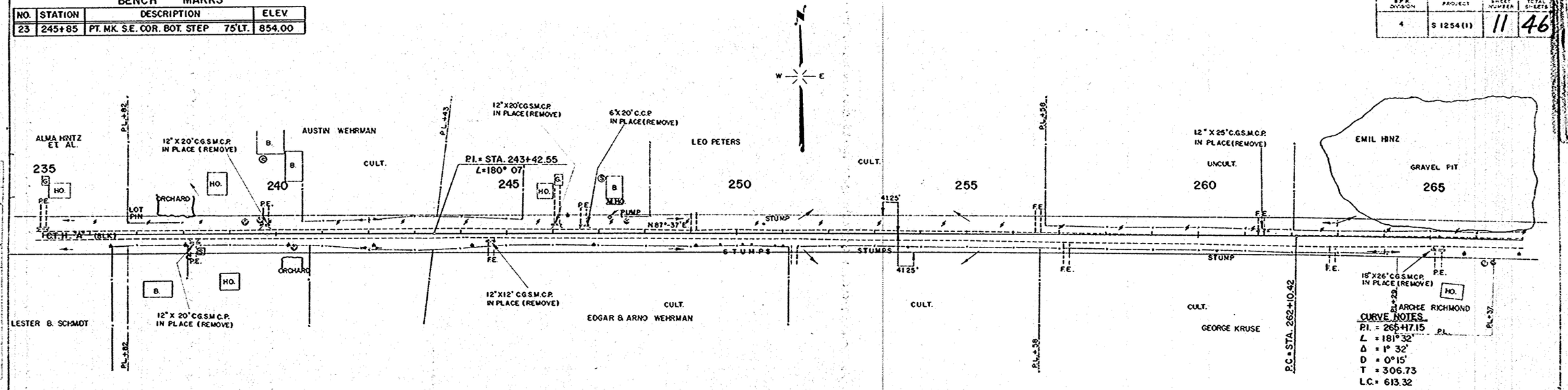
UNC. EXC. = 475 C.Y.
FILL = 635 C.Y.
HAUL IN 356 C.Y. FROM STA. 238+00 - 242+10



B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S 1254(1)	11	46

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
23	245+85	PT. MK. S.E. COR. BOT. STEP 75'LT.	854.00

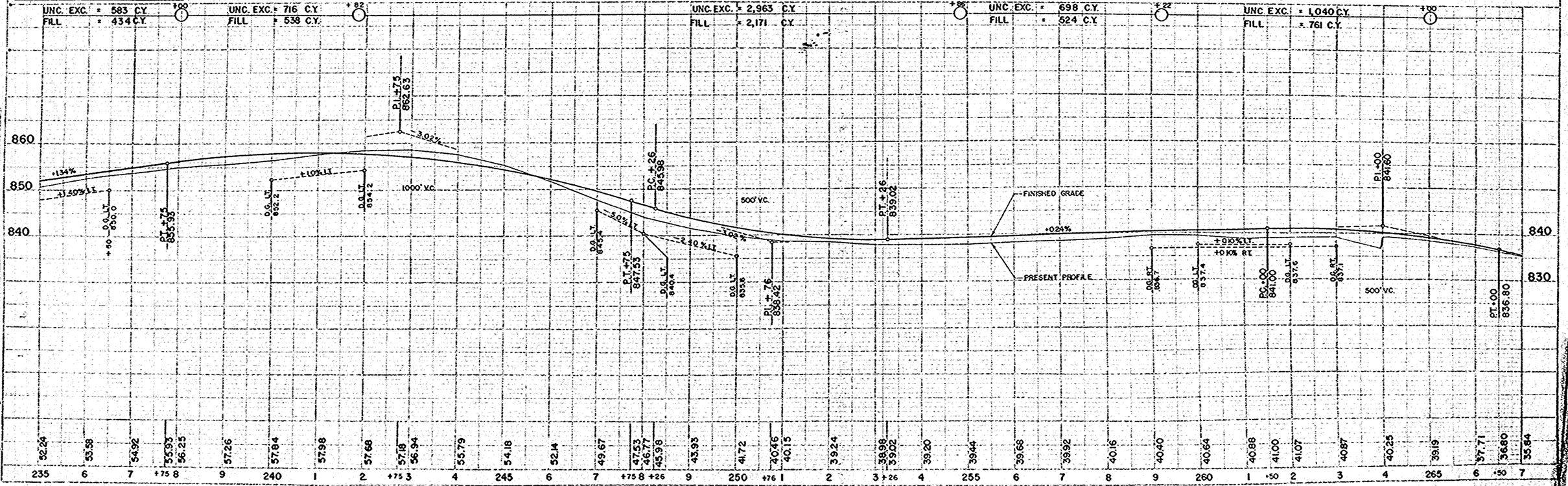


CURVE NOTES

P.I. = 265+17.15
L = 181° 32'
Δ = 1° 32'
D = 0° 15'
T = 306.73
L.C. = 613.32

NET LENGTH OF CENTERLINE		
STATION	TO STATION	LIN. FT.
235+00	265+00	3,000

UNC. EXC. = 583 C.Y. FILL = 434 C.Y.
UNC. EXC. = 716 C.Y. FILL = 538 C.Y.
UNC. EXC. = 2,963 C.Y. FILL = 2,171 C.Y.
UNC. EXC. = 698 C.Y. FILL = 524 C.Y.
UNC. EXC. = 1,040 C.Y. FILL = 761 C.Y.



PLAN SURVEYED 8-57 AUGMENTED 10-57 RT. OF WAY CHECKED 10-57
PROFILE SURVEYED 10-57 AUGMENTED 10-57 RT. OF WAY CHECKED 10-57
NOTE BOOK NO. 50
R. W. N. W. E. M.

B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S 1254 (1)	12	46

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
24	269+50	SPIKE IN POWER POLE 50' RT.	830.26
25	284+10	" " TELEGRAPH POLE 120' RT.	819.12
26		" " ⌀ 200' N. ON TN. RD. LT.	825.95

STA. 269+77 SD. RD - LT.
18"X 54' C.P. REQ'D.

N

W — E

EMIL HINZ
GRAVEL PIT

GEORGE E SMITH
CULT.

DONALD WELCH
CULT

18"X 28' C.G.S.M.C.P. IN PLACE (REMOVE)

TOWN RD.

TANGENT

R.R.

R.R. X-BUCK SIGN

R.R. SIGN

EXISTING R/W

CYH A (BLK)

ROSE TURKOW P.L.

EARL LITZKOW

TAV. HO.

ARCHIE RICHMOND P.L.

HO.

GEORGE KRUSE

MARY HARTZWORM

CULT
GEORGE KRUSE

M. ST.P. & S.S.M.

18"X24' C.C.P. IN PLACE (REMOVE)

DRAINAGE DITCH

GLEN G. SMITH

CULT.

NET LENGTH OF CENTERLINE		
STATION TO STATION		LIN. FT.
265+00	292+00	2,687.2

STA. 269+77 - SD. RD. - RT.
18"X48" C.P. REQ'D.

CURVE NOTES
P.I. = 296+39.1
L = 228° 04'
Δ = 48° 04'
D = 5°
T = 511.15'
L.C. = 961.3'
S.E. = 0.065 FT./FT.

STA. 292+00 END OF PROJ. S 1254 (1)

UNC. EXC. = 1,416 C.Y.
FILL = 572 C.Y.
HAUL OUT 596 C.Y. TO STA. 275+00 - 292+00

UNC. EXC. = 1,101 C.Y.
FILL = 1,184 C.Y.
HAUL IN 596 C.Y. FROM STA. 265+00 - 275+00

PROFILE OF TOWN ROAD - STA. 269+77 LT. & RT.

NORTH — MAINLINE — SOUTH
PRESENT PROFILE
FINISHED GRADE
(WIDEN EAST SH'LD'R. NO OTHER GRADING)
835
825
830.5
300 200 100 100 200 300

840 830 820

-1.92% NO V.C. -1.80% LT. -1.40% LT. -1.50% RT. -1.0% LT. -1.0% RT. -0.5% RT. -0.5% LT. -0.3% RT. +0.5% LT. +0.5% RT. +1.0% RT. & LT.

FINISHED GRADE
PRESENT PROFILE

P.T. +50 836.80
P.I. +00 830.08
O.G. LT. 830.5
O.G. LT. 825.7 O.G. RT. 821.0
O.G. LT. 825.9 O.G. RT. 821.0
O.G. LT. 818.6 O.G. RT. 818.0
O.G. RT. 817.0
O.G. LT. 816.0 O.G. RT. 815.5
+55 O.G. RT. 810.7
+72 O.G. LT. 814.9
O.G. LT. 814.6 O.G. RT. 815.0
O.G. LT. 815.5 O.G. RT. 815.0
O.G. RT. 816.0
O.G. RT. & LT. 817.0
O.G. RT. & LT. 818.0

STA. 284+13
48"X40' C.G.S.M.C.P. IN PLACE (TO REMAIN)
EXTEND LT. 6', RT. 6'

STA. 286+52
8' SPAN X 32' S.P.P.A. IN PLACE (TO REMAIN)
EXTEND LT. 14', RT. 10'
10 GAGE INL. & DISCH. TO FIT EXIST. STRUCT.

STRUCT PLATE PIPE ARCH EXT.
STA. 286+52
26' 26'
EXT. EXIST. 8' S.P.P.A. EXT.
5-7" W.M. ACC.
14' 10'
PAYMENT BASIS

265 6 +50 7 8 9 270 1 2 3 4 275 6 7 8 9 280 1 2 3 4 285 6 7 8 9 290 1 2 3 4 295 6

39.19 37.71 36.80 35.84 35.32 32.00 30.08 28.78 27.29 26.74 25.69 24.48 23.66 22.84 22.20 21.63 21.21 21.02 20.90 20.97 21.06 20.87 20.71 20.63 20.86 20.92 21.33 22.25 23.17

PLATE CONSTRUCTED BY R.P.R. WORKERS IN THE SHOP OF THE CONTRACTOR, ON 3-1-54

PLAN CORRECTED TO CONFORM TO AS BUILT CONDITIONS NOTE BOOK 1 | ALIGNMENT CHECKED BY P.L. OF WAY CREW | DATE 10-57 11-57 | BY R.W.N. R.W.N. W.E.M. | NO. 98

PROFILE CORRECTED TO CONFORM TO AS BUILT CONDITIONS NOTE BOOK NO. 51 | DATE 10-57 | BY R.W.N. W.E.M.

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S 1284(1)	22	46

SCALE 1" = 5'

STATION	DISTANCE	YARDAGE EXCAVATION LINCL	FILL
0			
25+			
	96		28
1			
	133		52
2			
	132		57
3			
	118		79
4			
	117		152
5			
	126		170
6			
	157		128
7			
	193		68
8			
	215		26
9			
	202		39
10			
	187		78
11			
	124		304
12			
	41		528
13			
SHEET TOTAL:		1841	1709

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

ORIGINAL SURVEY — SURVEYED 10-57 — PLOTTED 11-57 — TRANSFERRED 11-57 — NOTE BOOK — AREAS CHECKED 11-57 — NO. 51 — DATE

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

F.A.S. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S 1264 (1)	23	76

STATION	DISTANCE	YARDAGE EXCAVATION	YARDAGE FILL
13			
	91		441
14			
	167		230
15			
	213		72
16			
	270		22
17			
	307		17
18			
	261		9
19			
	189		35
20			
	133		89
21			
	91		154
22			
	70		208
23			
	61		233
24			
	80		233
25			
	91		206
26			
SHEET TOTAL		2024	1949

FINAL SURVEY — SURVEYED ... DRAWN ... NOTE BOOK ... TEMPLATE ... NO. ... LAYOUT CHECKED ... WIS.

ORIGINAL SURVEY — SURVEYED ... DRAWN ... NOTE BOOK ... TEMPLATE ... NO. 91 ... LAYOUT CHECKED ...

	DATE
R.W.N.	10-67
D.E.K.	11-067
R.E.S.	11-067
R.E.S.	11-67
R.E.S.	11-67

26 795 — 25 795 — 24 795 — 23 795 — 22 795 — 21 795 — 20 795 — 19 790 — 18 790 — 17 790 — 16 790 — 15 795 — 14 795

Sta. 1+98 — Sta. 1+86 — Sta. 1+83 — 30" STUMP — Sta. 1+71 — 10" STUMP — Sta. 1+64 — 24" STUMP — Sta. 1+53 — 24" STUMP — Sta. 1+42 — 30" STUMP — Sta. 1+32 — Sta. 1+19 — Sta. 1+08 — 30" STUMP — Sta. 1+01 — 30" STUMP — Sta. 0+98 — 18" STUMP — Sta. 0+90 — Sta. 0+80 — Sta. 0+75 — Sta. 0+69 — 12" APPLE — Sta. 0+60 — 12" STUMP — Sta. 0+50 — 30" STUMP — Sta. 0+42 — 30" STUMP — Sta. 0+23 — Sta. 0+15 — 18" STUMP — Sta. 0+07 — 30" STUMP — Sta. 0+00 — Sta. 0+25 — Sta. 0+39 — Sta. 0+52 — Sta. 0+65 — Sta. 0+81 — 18" — Sta. 0+89 — 30" — Sta. 0+92 — Sta. 1+00 — 30" — Sta. 1+08 — 30" — Sta. 1+14 — Sta. 1+29 — 30" — Sta. 1+43 — Sta. 1+58 — Sta. 1+65 — Sta. 1+72 — Sta. 1+86 — Sta. 1+98 — 30" ELM

PLATE 5 -CROSS SECTION O. P. R. & B. & STANDARD
THE PRESTWICK PRINT CO., CHICAGO

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S1254 (1)	24	46

STATION	DISTANCE	YARDAGE EXCAVATION UNCL.				FILL
26						
	170					198
27						
	242					180
28						
	265					115
29						
	391					41
30						
	531					0
31						
	402					42
32						
	163					135
33						
	96					196
34						
	128					159
35						
	230					78
36						
	256					50
37						
	222					61
38						
	222					100
39						
	208					117
40						
SHEET TOTAL		3526				1472

FINAL SURVEY
SURVEYED
PLOTTED
NOTE BOOK
NO.
AREA
PART

ORIGINAL SURVEY
SURVEYED
PLOTTED
NOTE BOOK
NO. 69
AREA

BY: R.W.N. DATE: 10-57
C.E.K. 11-57
C.E.S. 11-57
H.E.O. 11-57

40 795 | 39 795 | 38 795 | 37 795 | 36 795 | 35 795 | 34 795 | 33 800 | 32 800 | 31 800 | 30 800 | 29 800 | 28 800 | 27 795

4+84 | 4+16 | 4+73 | 4+34 | 4+36 | 4+58 | 4+57 | 4+70 | 4+97 | 4+11 | 4+76

45-10" APPLE
25-30" STUMP
52-30" STUMP
4+66
30-30" N.
66-30" N.
4+06

OFFICE	PROJECT	SHEET NUMBER	SHEETS
WIS. 4	S 1254 (1)	25	46

55 785 | 54 790 | 53 790 | 52 790 | 51 790 | 50 790 | 49 790 | 48 790 | 47 790 | 46 790 | 45 790 | 44 790 | 43 795 | 42 795 | 41 795

℄

℄+90

℄+03

℄+60

℄+77

℄+30

℄+04

℄+30

℄+27

℄+35

℄+45

℄+09

℄+07

℄+05

℄+75

℄+32

℄+93

L=99-30" STUMP

L=73-26" STUMP

L=63-20" STUMP

L=46-16" STUMP

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

ORIGINAL SURVEY — SURVEYED / PLOTTED / NOTE BOOK / NO. 51

R.W.N. 10-57
R.W.S. 11-57
R.E.C.N. 11-322
R.E.C.S. 11-321
W.W.S. 8

STATION	DISTANCE	YARDAGE EXCAVATION UNCL.	YARDAGE EXCAVATION FILL
40			
	193		94
41			
	165		70
42			
	196		39
43			
	248		22
44			
	196		43
45			
	130		85
46			
	98		135
47			
	96		159
48			
	81		182
49			
	98		196
50			
	91		143
51			
	157		93
52			
	167		82
53			
	146		94
54			
	161		81
55			
SHEET TOTAL	2173		1516

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S 1254 (1)	26	46

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

ORIGINAL SURVEY — SURVEYED / PLOTTED / NOTE BOOK / NO. 51 — BY / DATE / X

DATES: 10-57, 11-57, 11-57, 11-57

BY: R.W.K., R.W.K., G.R.K., G.R.K.

69 785 | 68 785 | 67 785 | 66 785 | 65 785 | 64 785 | 63 785 | 62 785 | 61 785 | 60 785 | 59 785 | 58 785 | 57 785 | 56 785

℄ +19 | ℄ +46 | ℄ +72 | ℄ +79 | ℄ +91

℄ +32 | ℄ +08 | Δ +95 – 24° STUMP | ℄ +74 | ℄ +39 | ℄ +16 | ℄ +25 | ℄ +54 | ℄ +47 | ℄ +07 | ℄ +70

STATION	DISTANCE	YARDAGE EXCAVATION UNCL.	YARDAGE FILL
55			
	150		87
56			
	126		122
57			
	167		117
58			
	194		113
59			
	206		120
60			
	217		130
61			
	257		117
62			
	278		115
63			
	235		148
64			
	215		179
65			
	208		167
66			
	193		141
67			
	159		170
68			
	135		194
69			
SHEET TOTAL		2740	1920

U.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S 1264 (1)	27	96

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

ORIGINAL SURVEY — SURVEYED / PLOTTED / TEMPLATE / AREAS — NOTE BOOK NO. 51 — DATE

STATION	DISTANCE	YARDAGE EXCAVATION UNCL.	YARDAGE FILL
69			
	146		181
70			
	178		165
71			
	193		161
72			
	179		198
73			
	113		304
74			
	44		411
75			
	28		443
76			
	50		356
77			
	194		154
78			
	467		17
79			
	633		0
80			
	598		0
81			
	444		2
82			
	241		35
83			
SHEET TOTAL	3508		2427

P.R.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S 1254 (1)	28	46

FINAL SURVEY
SURVEYED
PLOTTED
TEMPLATE
JAMBS
NOTE BOOK
NO.

ORIGINAL SURVEY
SURVEYED
PLOTTED
TEMPLATE
JAMBS
NOTE BOOK
NO. 51

BY	DATE
R.W.N.	10-57
O.E.K.	11-57
W.W.K.	11-57
N.E.G.	11-57

STATION	DISTANCE	YARDAGE EXCAVATION UNCL.	YARDAGE EXCAVATION FILL
83			
	176		76
84			
	243		59
85			
	246		63
86			
	135		122
87			
	122		180
88			
	135		224
89			
	69		231
90			
	57		196
91			
	52		156
92			
	59		124
93			
	87		102
94			
	91		93
95			
	87		85
96			
	85		85
97			
SHEET TOTAL		1644	1796

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

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S 1264 (1)	29	46

STATION	DISTANCE	YARDAGE EXCAVATION UNCL.	FILL
97			
	87		104
98			
	89		122
99			
	87		130
100			
	98		130
101			
	139		96
102			
	246		33
103			
	270		3
104			
	145		107
105			
	85		284
106			
	95		346
107			
	74		411
108			
	63		417
109			
	76		369
110			

SHEET 101(A) 1554 2532

FINAL SURVEY
NOTE BOOK
NO.

ORIGINAL SURVEY
NOTE BOOK
NO.

DATE
10-57
11-57
11-57
11-57

R.W.N.
R.C.K.
R.E.G.
W.W.B.

PLATE 3- CROSS SECTION O. P. R. & B. STANDARD
THE FERRIS BOOK CO., CHICAGO

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S 1264(11)	30	46

STATION	DISTANCE	YARDAGE EXCAVATION	YARDAGE FILL
110			
	89		296
111			
	133		182
112			
	254		59
113			
	291		20
114			
	302		17
115			
	485		4
116			
	594		0
117			
	506		0
118			
	354		46
119			
	167		319
120			
	181		506
121			
	126		341
122			
	183		126
123			
SHEET TOTAL	3965		1919

FINAL SURVEY
RUN/VOL. _____ PAGE _____
NOTE BOOK, AREA _____
NO. _____ AREA, CUT, FILL _____

ORIGINAL SURVEY
RUN/VOL. _____ PAGE _____
NOTE BOOK, AREA _____
NO. _____ AREA, CUT, FILL _____

	INIT.	DATE
R.W.N.		10-67
D.E.C.		11-67
C.C.K.		11-67
T.C.P.		11-67

123 795 — 122 790 — 121 790 — 120 790 — 119 790 — 118 790 — 117 790 — 116 790 — 115 790 — 114 790 — 113 790 — 112 790 — 111 790

4+90 — 4+82 — 4+25 — 4+89 — 4+84 — 4+43 — 4+05 — 4+60 — 4+40 — 4+52 — 4+30 — 4+80 — 4+64

4-OB-16" STUMP

4-49-8" STUMP

32-10" ELM

30-5" M

46-10" P.

25-8" APPLE

~7+38 THICK BRUSH ~4+16 ~4+03

4+30

E.P.A. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S 1264 (1)	31	46

STATION	DISTANCE	YARDAGE EXCAVATION	FILL
123			
	365		18
124			
	541		0
125			
	576		0
126			
	594		0
127			
	496		6
128			
	270		63
129			
	139		174
130			
	102		320
131			
	67		407
132			
	41		428
133			
	65		389
134			
	157		196
135			
	406		32
136			

NET TOTAL

PLATE 5 CROSS SECTION 8 1/2 X 11

THE PROGRESS PRINT CO., CHICAGO

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S 1254 (1)	32	46

STATION	DISTANCE	YARDAGE EXCAVATION UNCL.	FILL
136			
		861	0
137			
		915	0
138			
		494	9
139			
		165	117
140			
		76	200
(41)			
		59	193
142			
		43	220
143			
		35	230
144			
		72	176
145			
		163	91
146			
		148	100
147			
		125	141
148			
		130	131
149			
		137	142
150			
SHEET TOTAL:		3423	1756

FINAL SURVEY
SURVEYED
PLOTTED
NOTE BOOK
NO.

ORIGINAL SURVEY
NOTE BOOK
NO. 51 7

BY	DATE
R.W.N.	10-67
R.C.K.	11-67
W.W.B.	11-67
H.E.O.	11-67

150 805 | 149 805 | 148 800 | 147 800 | 146 800 | 145 800 | 144 800 | 143 800 | 142 800 | 141 800 | 140 800 | 139 805 | 138 805 | 137 805

2+26-16"ELM
2+28-24" STUMP
2+03-10" STUMP
1+81-8" APPLE
1+23-24" APPLE
1+44-28" STUMP
1+80 BRUSH
2+04-20"STUMP
1+88-20"ELM
1+70-14" APPLE

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S 1254 (1)	33	46

FINAL SURVEY — SURVEYED / PLOTTED / NOTE BOOK / TEMPERATURE / DATUM / NO.

ORIGINAL SURVEY — SURVEYED / PLOTTED / NOTE BOOK / NO. 31

STATION	DISTANCE	YARDAGE EXCAVATION UNCL.	FILL
150			
	194		98
151			
	213		57
152			
	120		170
153			
	39		298
154			
	74		239
155			
	217		76
156			
	228		65
157			
	150		117
158			
	150		100
159			
	87		231
160			
	17		474
EQ 161 = 160	4		416
161			
	50		244
162			
SHEET TOTAL	1543		2584

162 815 — 161 815 — 161 BACK = 160 AHEAD 815 — 160 815 — 159 815 — 158 815 — 157 815 — 156 815 — 155 815 — 154 810 — 153 810 — 152 810 — 151 810

1+40

PLATE 3. CROSS SECTIONS OF A, B & C STANDARDS FOR PAVING SLAB ON CONCRETE

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S 1254(1)	34	46

STATION	DISTANCE	YARDAGE EXCAVATION	YARDAGE FILL
162			
	148		154
163			
	252		48
164			
	224		95
165			
	105		254
166			
	107		270
167			
	148		163
168			
	202		72
169			
	293		15
170			
	309		19
171			
	220		59
172			
	139		106
173			
	152		104
174			
	219		85
175			
SHEET TOTAL	2918		1444

FINAL SURVEY
NOTE BOOK
NO.
SURVEYED BY
DRAWN BY
TRACED BY
CHECKED BY
DATE
SCALE
AREA
TRACK COORDS

ORIGINAL SURVEY
NOTE BOOK NO. 31
SURVEYED BY
DRAWN BY
TRACED BY
CHECKED BY
AREA
TRACK COORDS

BY	DATE
R.W.N.	10-57
R.W.N.	11-57
R.C.K.	11-57
K.E.S.	11-57
K.E.S.	

+79-30"ELM
+83-20" OAK
+78-30"ELM
+07-30"ELM
+02-16"ELM
+00-18" ELM
+38-10" OAK
+22-10" CHERRY
+70-18" POPLAR
ORCHARD

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S 1264(11)	35	46

STATION	DISTANCE	YARDAGE EXCAVATION UNCL	FILL
175			
		252	72
176			
		267	91
177			
		252	120
178			
		181	126
179			
		150	106
180			
		189	74
181			
		215	48
182			
		174	59
183			
		180	72
184			
		178	72
185			
		135	65
186			
		128	124
187			
		87	209
188			

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S 1264 (1)	36	46

STATION	DISTANCE	YARDAGE EXCAVATION UNCL.	FILL
188			
	33		346
189			
	63		513
190			
	105		493
191			
	302		196
192			
	598		0
193			
	695		0
194			
	667		5
195			
	620		5
196			
	600		0
197			
	807		0
198			
	1007		0
199			
	922		0
200			
	663		17
201			
SHEET TOTAL	7082		1574

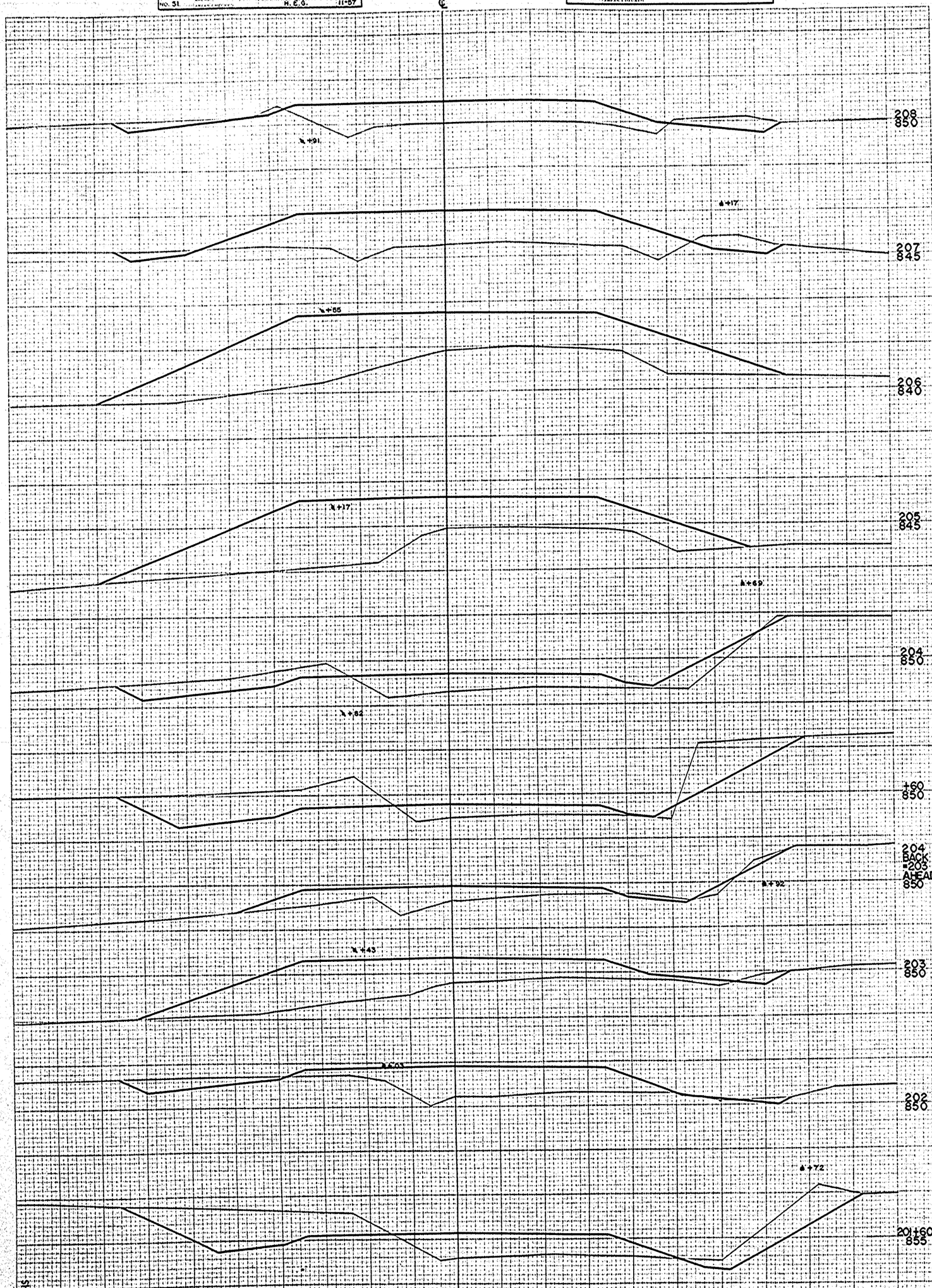
FINAL SURVEY
SURVEYED
PLOTTED
NOTE BOOK
NO.

ORIGINAL SURVEY
SURVEYED
PLOTTED
NOTE BOOK
NO. 61

DATE
R.W.S. 10-57
R.P.C. 11-57
R.C.C. 11-57
R.I.S.D. 11-57

ORIGINAL SURVEY	BY	DATE
SURVEYED	R.W.N.	10-57
PLOTTED	F.J.R.	11-57
TEMPLATE	R.C.K.	11-57
AREAS	P.S.S.	11-57
NOTE BOOK No. 31	N.C.O.	11-57

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



STATION	DISTANCE	EXCAVATION UNCL	YARDAGE FILL
201			
	280	80	
+60			
	106	119	
202			
	48	507	
203			
	22	437	
EQ 204 = 203			
	137	102	
+60			
	115	76	
204			
	72	681	
205			
	0	1143	
206			
	37	926	
207			
	78	515	
208			
SHEET TOTAL	895	4586	

PLATE 5 CROSS SECTION O. B. M. E. PROPOSED
THE PALMER-PATTERSON ROAD

U.P.A. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S 1254 (1)	37	46

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S 1264 (1)	38	46

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

ORIGINAL SURVEY — SURVEYED — PLOTTED — NOTE BOOK — NO. 31 — DATE

STATION	DISTANCE	YARDAGE EXCAVATION UNCL.	FILL
208			
	185		263
209			
	298		83
210			
	317		6
211			
	378		5
212			
	417		13
213			
	237		122
214			
	43		252
215			
	46		208
216			
	139		76
217			
	231		11
218			
SHEET TOTAL	2291		1039

218 855 — 0+32 — 0+70 80' STUMP

217 855 — 0+30

216 855 — 0+70

215 855 — 1+07

214 860 — 1+70

213 860 — 1+23

212 860 — 1+07

211 855 — 1+68

210 855 — 1+29

209 855

+20-24 M. — +20-18 M. — +70-24 M. — +70-18 M. — +45-24 M. — +45-18 M. — +31-24 M. — +31-18 M. — +16-24 M. — +16-18 M. — +02-24 M. — +02-18 M.

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S 1254 (1)	39	46

STATION	DISTANCE	YARDAGE EXCAVATION	FILL
218			
		326	2
219			
		313	4
220			
		276	9
221			
		252	35
222			
		113	129
223			
		24	281
224			
		11	352
225			
		44	252
226			
		56	187
227			
		59	129
228			
		146	26
229			
		143	35
230			
		78	56
231			
		44	98
232			
SHEET TOTAL		1885	1885

FINAL SURVEY — SURVEYED — PLOTTED — NOTE BOOK — AREAS — DATE

ORIGINAL SURVEY — NOTE BOOK NO. 51 — R.W.N. 10-57 — P.J.R. 11-57 — E.J.K. 11-57 — D.C.S. 11-57 — PLANIMETER — DATE

232 845 — 231 845 — 230 845 — 229 845 — 228 845 — 227 845 — 226 845 — 225 845 — 224 845 — 223 845 — 222 850 — 221 855 — 220 855 — 219 855

+33-50"W — N+47 — R +90-30° STUMP — N+90 — +49-30° STUMP — N+35 — N+01 — N+79 — N+63 — N+27 — N+87 — N+88 — N+70 — +60-8"W — +44-12"W — +30-16"W — +00-18"W — +52-30"W

+30 — +00 — +34 — +32

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

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S 1254 (1)	40	76

FINAL SURVEY — SURVEYED BY — DRAWN BY — TRACED BY — DATE — NOTE BOOK — SHEET NO. — CHECKED BY

ORIGINAL SURVEY — SURVEYED BY R.W.N. 10-1-57; DRAWN BY F.J.R. 11-1-57; TRACED BY R.C.S. 11-1-57; CHECKED BY R.E.G. 11-1-57; NOTE BOOK — SHEET NO. 31

244 860 | 243 860 | 242 855 | 241 855 | 240 855 | 239 855 | 238 855 | 237 855 | +50 855 | 236 855 | 235 850 | 234 845 | 233 845

+22 | +10 | +39-10°W. | +12-15° BC. | +56 +30 | +46 | +69 CROWN CHERRY | +63 | +69-20° BC. | +30-15° BC. | +13-22° BC. | +64 TO CHERRY

+10 | +74 | +32 | +66 +65-15° BC. | +33-15° BC. | +37 | +23 | ORCHARD +19 +44 | +10 | +66 +45-24° M. +14-15° M. | +10-15° M. +27-30° M. | +49-15° M. | +28-30° M. | +66 +35-15° BC. +66-24° M. +61-24° M.

STATION	DISTANCE	YARDAGE EXCAVATION UNCL.	FILL
232			
	85		122
233			
	93		176
234			
	52		241
235			
	137		163
236			
	107		50
+50			
	130		39
237			
	189		89
238			
	82		185
239			
	107		224
240			
	187		113
241			
	415		19
242			
	615		0
243			
	702		0
244			
SHEET TOTAL	2901		1421

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S 1254 (1)	42	46

STATION	DISTANCE	YARDAGE EXCAVATION UNCL.	FILL
257			
		151	111
258			
		272	44
259			
		363	25
260			
		220	111
261			
		87	169
262			
		85	155
263			
		170	85
+95			
		13	2
264			
		24	17
+13			
		157	202
265			
		272	174
266			
SHEET TOTAL		1814	1095

266 235

265 840

+13 835

264 840

+95 840

263 840

262 840

261 840

260 840

259 840

258 840

+36-6" APPLE

+26-8" APPLE

4+72

1+41-18" STUMP

5+84-24" STUMP

1+58

1+07

1+56

1+72

1+32

FINAL SURVEY
NOTE BOOK, TEMPLATE, AREA, MISCELLANEOUS
NO.

ORIGINAL SURVEY
NOTE BOOK, TEMPLATE
NO. 5,

DATE
DRAWN 10-57
TRACED 11-57
CHECKED 11-57
APPROVED 11-57

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S 1254 (1)	40	46

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

ORIGINAL SURVEY — SURVEYED 10-1-57, PLOTTED 11-5-57, TEMPLATE 11-6-57, AREAS 11-7-57, NOTE BOOK 31, NO. — R.W.N., F.J.R., R.C.K., R.E.S., R.W.N.

STATION	DISTANCE	YARDAGE EXCAVATION UNCL.	YARDAGE EXCAVATION	YARDAGE FILL
232				
		85		122
233				
		93		176
234				
		52		241
235				
		137		163
236				
		107		50
+50				
		130		39
237				
		189		89
238				
		82		185
239				
		107		224
240				
		187		113
241				
		415		19
242				
		615		0
243				
		702		0
244				

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S 1264(1)	43	46

STATION	DISTANCE	YARDAGE EXCAVATION UNCL.	TIL
266			
	278		83
267			
	169		63
268			
	81		85
269			
	132		48
270			
	124		11
271			
	69		13
272			
	93		17
273			
	104		39
274			
	94		39
275			
	69		56
276			
	50		72
277			
	61		52
278			
	83		44
279			
SHEET TOTAL		1307	622

FINAL SURVEY
SURVEYED
PLOTTED
NOTE BOOK
TEMPLATE
NO.
DATE

ORIGINAL SURVEY
SURVEYED
PLOTTED
NOTE BOOK
TEMPLATE
NO. 51
DATE

R.E.A. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	81264 (1)	44	46

FINAL SURVEY
SURVEYED
PLOTTED
TEMPLATE
AREAS
NOTE BOOK
NO.
DATE

ORIGINAL SURVEY
NOTE BOOK NO. 519
R.W.M. DATE 11-57
P.J.R. 11-57
R.C.M.K. 11-57
H.E.C. 12-57

STATION	DISTANCE	YARDAGE EXCAVATION UNCL.	FILL
279			
	72		46
280			
	50		44
281			
	41		54
282			
	44		74
283			
	54		85
284			
	4		24
+15			
	20		17
+30			
	33		0
+42			
	28		0
+55			
	15		6
+73			
	5		22
285			
	96		122
286			
	76		170
SHEET TOTAL		548	668

287 820 | 286 820 | 285 820 | +73 820 | +55 820 | +42 820 | +30 820 | +15 820 | 284 820 | 283 820 | 282 820 | 281 820 | 280 820

+59 | +73 | 285 | +15 | 284 | +42 | +55 | +30

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S 1254 (1)	45	46

296 820 | 295 820 | 294 820 | 293 820 | 292 820 | 291 820 | 290 820 | 289 820 | 288 820

STATION	DISTANCE	YARDAGE EXCAVATION UNCL.	YARDAGE EXCAVATION TOTAL
287			
	65		133
288			
	80		67
289			
	69		48
290			
	54		33
291			
	22		15
292			
SHEET TOTAL	290		296

7+95

7+68

7+30

7+08

FINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, AREA, NOTE BOOK, NO., DATE

ORIGINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, AREA, NOTE BOOK, NO. 51, DATE: R.W. H.C. 0-57, F.E. J.R.G. 1-58, R.E. J.G.G. 12-57, J.E.F. 12-57

PLATE 3 CROSS SECTION B. P. R. S. B. E. STANDARD
THE PROGRESS POST CO. CHICAGO

STH 76 STUB-LINE

S.F.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S 1264 (1)	46	46

SCALE: 1"=5'

STATION

DISTANCE

EXCAVATION

YARDAGE

FILL

0+000 770

1 770

2 770

3 765

4 765

5 765

6 765

7 765

8 765

9 765

+34.80 765

FINAL SURVEY
SURVEYED
PLOTTED
NOTE BOOK
NO.
BY
DATE
CK'D

ORIGINAL SURVEY
SURVEYED
PLOTTED
NOTE BOOK
NO. 51
BY R.W.N. & E.E.K.
DATE 10-57 11-57
CK'D