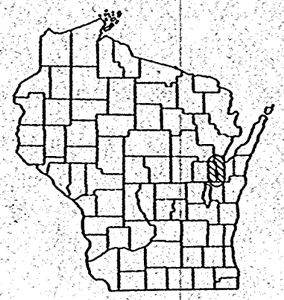
COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT		B.P.R. REGION DIVISION	SHEET NUMBER	TOTAL SHEETS
		STATE	FEDERAL			
44.6	1422.0		11.1	4 WIS.	1	69

INDEX OF SHEETS

SHEET NO. 1 TITLE
SHEET NO. 2 TYPICAL CROSS SECTIONS
SHEET NO. 3 ESTIMATE OF QUANTITIES
SHEET NO. 2 MISCELLANEOUS QUANTITIES
SHEET NO. — RIGHT OF WAY PLAT
SHEET NO. 4-15 PLAN AND PROFILE STA. 7+50 TO STA. 343+90
SHEET NO. 16-24 STANDARD DETAILS
SHEET NO. 25-31 DRAINAGE STRUCTURES
SHEET NO. 32-69 CROSS SECTIONS



STATE OF WISCONSIN

STATE HIGHWAY COMMISSION OF WISCONSIN

PLAN AND PROFILE OF PROPOSED

U.S.H. 41 — C.T.H. "EE"
C.T.H. "U"

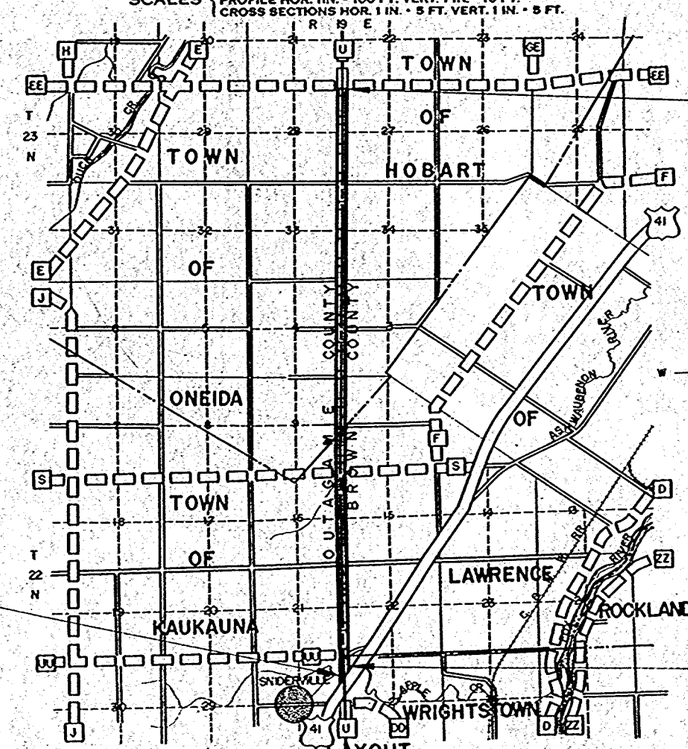
OUTAGAMIE COUNTY

PROJECT S 1422(1)

APPROVED FOR County Project #90

Date Title

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



STA. 343+90 END OF PROJ. S 1422(1)
12.2' S. OF N.E. COR. SEC. 28, T 23N., R19E

STA. 7+50 BEG. OF PROJ. S 1422(1)
750' N & 7' E OF E 1/4 COR. SEC. 28, T 22N, R19E

EQUATION:
STA 14+16.24 BACK =
STA 14+16.20 AHEAD

SCALE ONE MILE

TOTAL NET LENGTH OF CENTERLINE = 6.371 MI.

CONVENTIONAL SIGNS

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

STATE HIGHWAY COMMISSION OF WISCONSIN
MADISON, WIS.

SURVEY BY R.W.B. & L.R. NOTE BOOK 130-131
DRAFTED BY C.W.M. M.O. CHECKED
CHECKED BY H.C.H. CORRECTED

CORRECT:
DATE 6-17-'59 [signature]
DISTRICT ENGINEER

RECOMMENDED FOR APPROVAL:
DATE 6/29/59 [signature]
DIVISION ENGINEER

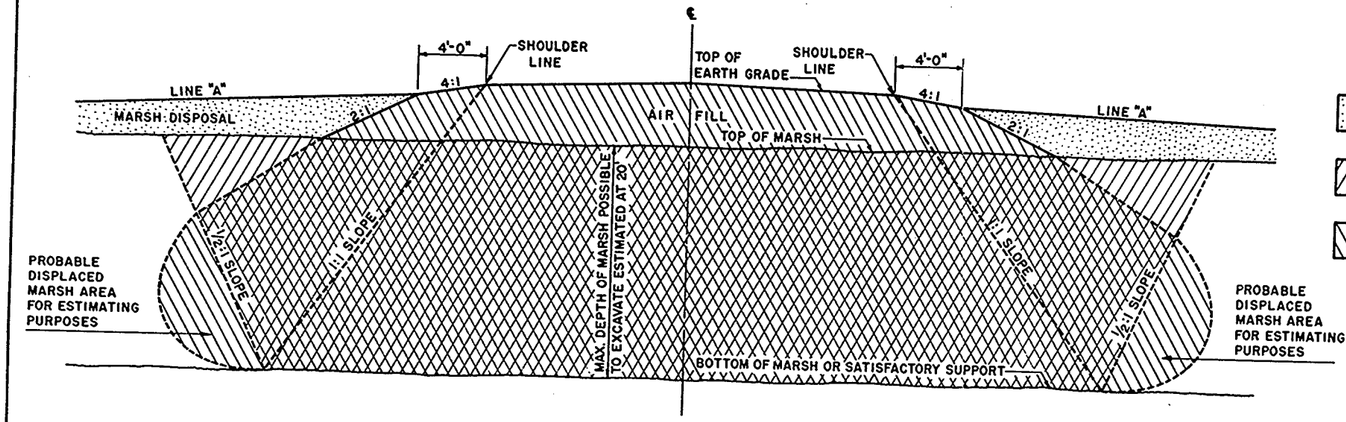
APPROVED:
DATE 6/29/59 [signature]
STATE HIGHWAY ENGINEER

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS

APPROVED: [redacted] DATE

[redacted]
DIVISION ENGINEER

S 1422(1)



COMPLETE MARSH EXCAVATION

MARSH DISPOSAL PERMITTED IN THIS AREA UNLESS OTHERWISE PROVIDED IN THE CONTRACT

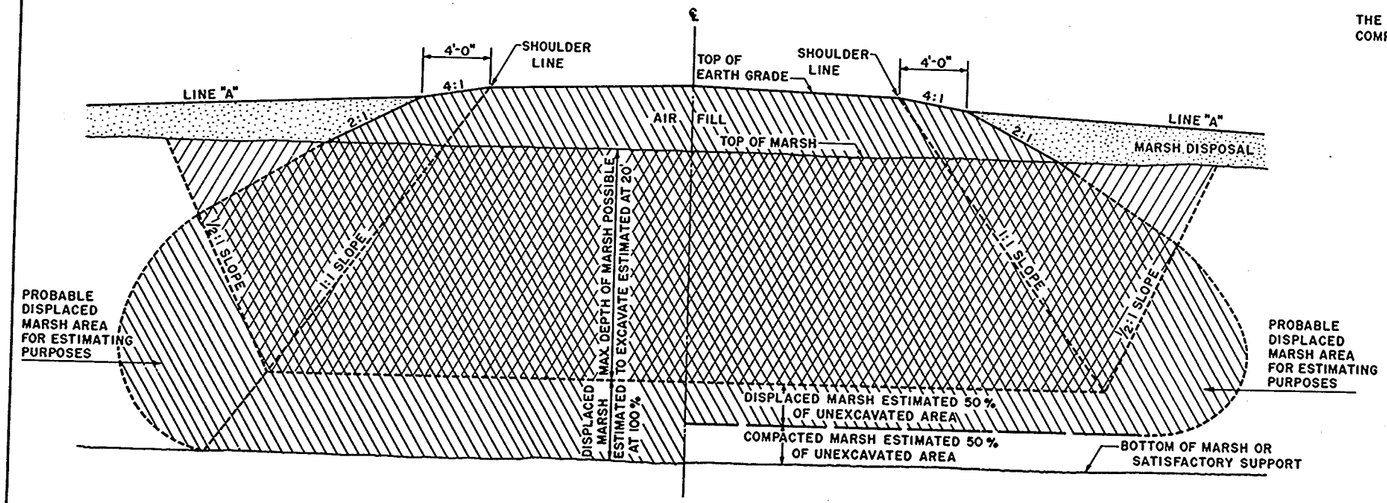
EXCAVATION

BACKFILL

GENERAL NOTES

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

ANY MATERIAL TEMPORARILY PLACED ABOVE THE LINE MARKED "LINE A" IS TO BE REMOVED UPON COMPLETION OF THE AIR FILL.



PARTIAL EXCAVATION
PLUS 100% DISPLACEMENT

PARTIAL EXCAVATION
PLUS 50% DISPLACEMENT

MARSH EXCAVATION

STATE HIGHWAY COMMISSION OF WISCONSIN

RECOMMENDED FOR APPROVAL:

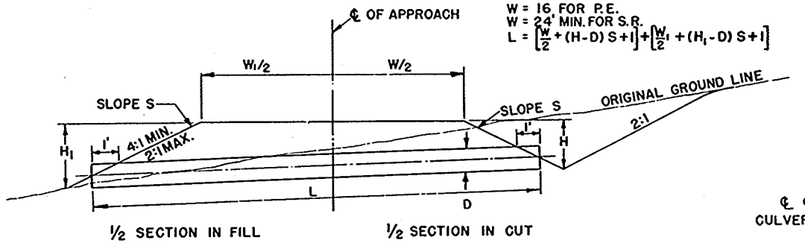
DATE 3/11/52 — CONSTRUCTION ENGINEER

APPROVED:

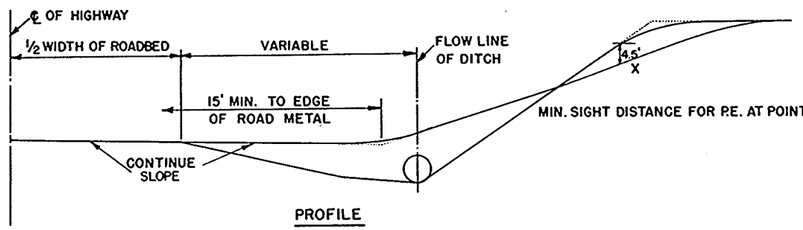
DATE 3/11/52 — STATE HIGHWAY ENGINEER

DRAWN LJD
CHECKED

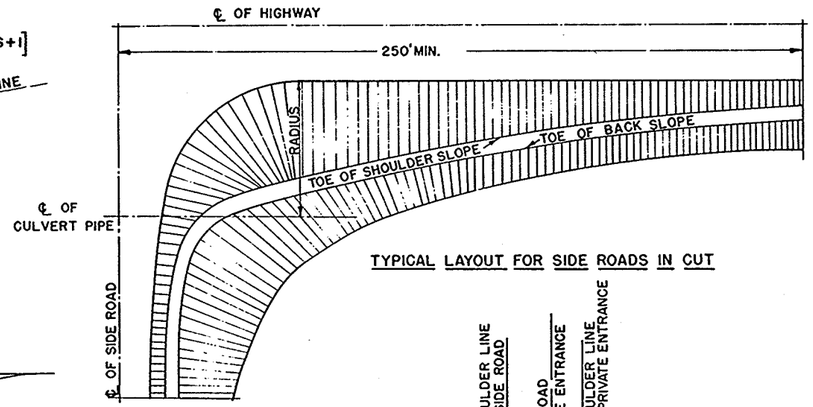
1-1.1.2



TYPICAL CROSS SECTION

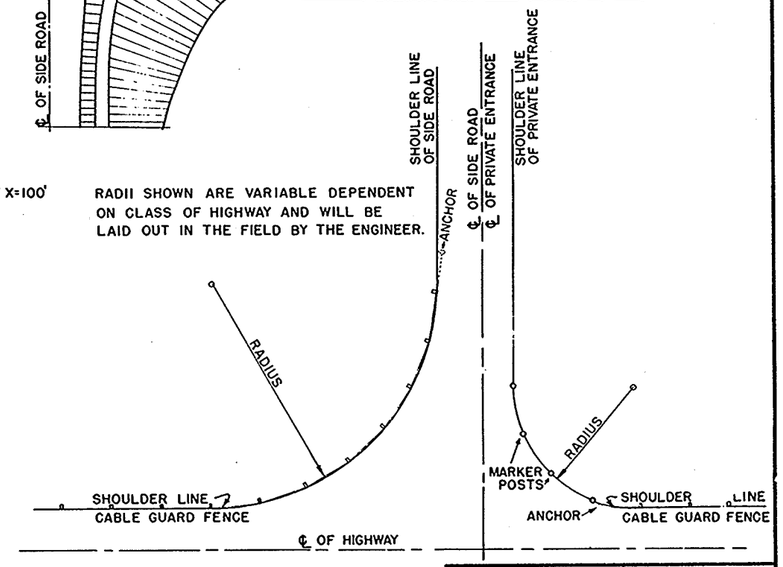


PROFILE



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

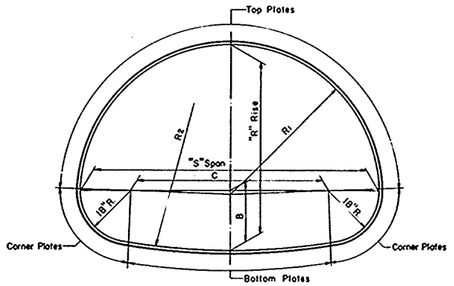
APPROVED:- OCT. 1, 1945

DRAWN

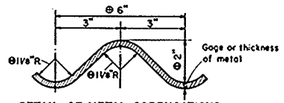
CHECKED

DATE

STATE HIGHWAY ENGINEER



STRUCTURAL PLATE PIPE ARCH



DETAIL OF METAL CORRUGATIONS

CORRUGATION DIMENSION TOLERANCES

- 6 Tol. 1/4"
- 6 Tol. ± 1/8"
- 6 Min. 1 1/16"

GENERAL NOTES

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

TOLERANCES

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

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

EMBANKMENT—Minimum for ℄ Culverts

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

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

EMBANKMENT—Maximum for ℄ Culverts

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

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

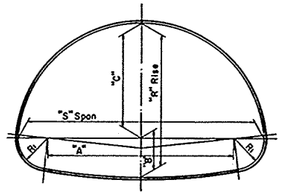
Strutting of Pipe Arches will not be required during construction unless specifically called for on the plans or the applicable Special Provisions.

TABLE OF PROPERTIES
STRUCTURAL PLATE PIPE ARCH

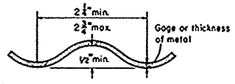
SPAN Nominal Size	Dimensions taken from inside crests of corrugations							Table of Metal Gages — Minimum Acceptable																	
	Fabricators Size Min. Acceptable "S" Span — "R" Rise	R/S Ratio	Area Sq.Ft.	B in.	C in.	R1 in.	Rz in.	H-20 LOADING Depth of Embankment in Feet																	
					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

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

STRUCTURAL PLATE PIPE ARCH



CORRUGATED METAL PIPE ARCH
(Riveted)



DETAIL OF METAL CORRUGATIONS

GENERAL NOTES

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

TOLERANCES

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

EMBANKMENT—Minimum for ℄ Culverts

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

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

EMBANKMENT—Maximum for ℄ Culverts

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

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

TABLE OF DIMENSIONS
CORRUGATED METAL PIPE ARCH

CORRUGATED METAL PIPE ARCH									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	4½	6½	3½	.61	1.1	1.23	15
16	22	13	14	4¾	8¼	4	.59	1.6	1.77	18
16	25	16	17	5⅛	10⅜	4	.64	2.2	2.41	21
14	29	18	20	5½	12½	4½	.62	2.8	3.14	24
14	36	22	26	6¼	15¾	5	.61	4.4	4.91	30
12	43	27	32	7	20	5½	.63	6.4	7.07	36
12	50	31	38	8	23	6	.62	8.7	9.62	42
12	58	36	44	9⅛	26¾	7	.62	11.4	12.57	48
12	65	40	49	10½	29½	8	.62	14.3	15.90	54
10	72	44	54	11¾	32⅛	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

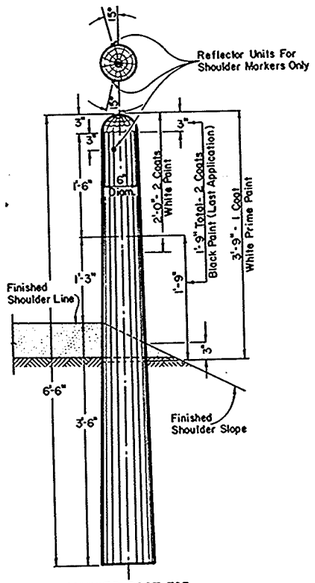
RECOMMENDED FOR APPROVAL:

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

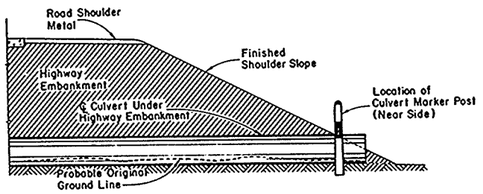
APPROVED:

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

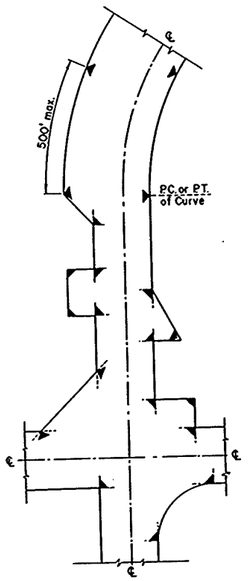
PLATE NO. 6-5.3.1



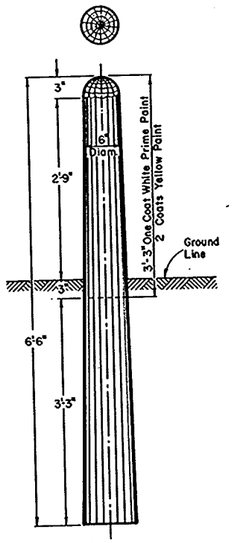
MARKER POST FOR ROAD SHOULDERS AND CULVERTS



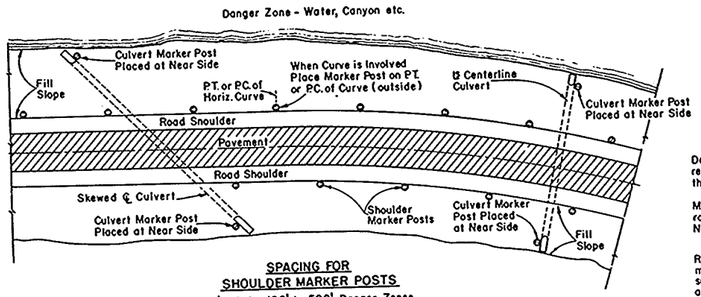
SECTION
SHOWING RELATIVE LOCATION OF
MARKER POST FOR CULVERTS



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

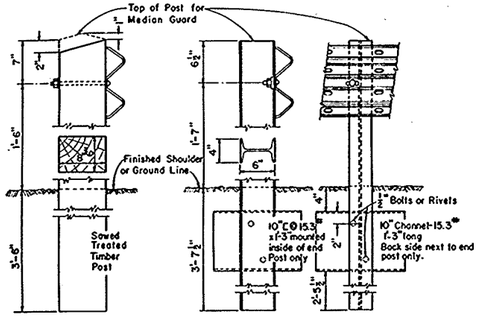
RECOMMENDED FOR APPROVAL

5/16/57 DATE — J. A. Pitt ENGINEER OF DESIGN

APPROVED:

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

PLATE NO. 7-1.3.3.

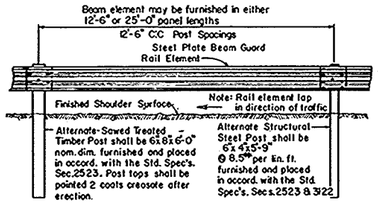


Side ELEVATION TIMBER POST

Side ELEVATION STEEL POST

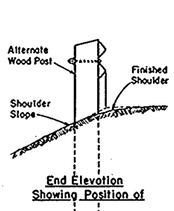
Front ELEVATION

ALTERNATE TYPE POSTS FOR STEEL PLATE BEAM GUARD AND STEEL PLATE BEAM(MEDIAN) GUARD



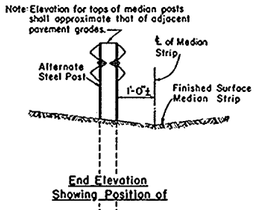
FRONT (Traffic Side) ELEVATION

STEEL PLATE BEAM GUARD OR STEEL PLATE BEAM (MEDIAN) GUARD



End Elevation Showing Position of

STEEL PLATE BEAM GUARD



End Elevation Showing Position of

STEEL PLATE BEAM(MEDIAN) GUARD

GENERAL NOTES

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

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

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

TESTS

The elongation of a 2 inch specimen of the steel plate used in the rail element shall be not less than 12 percent tested in tension. The minimum tensile strength of the rail element shall, when tested in conjuntion with splices and end connections, be 80,000 lbs. The rail element when loaded as a simple beam, freely supported at each end on 12'-0" centers shall support a concentrated load of 1,500 lbs., applied at the center point, with a maximum deflection of 2½ inches and shall support a concentrated load of 2000 lbs. when tested in like manner with a maximum deflection of 5½ inches.

PAINTING (When not furnished galvanized)

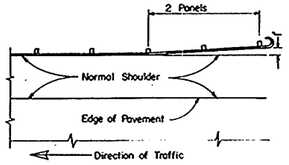
SHOP COAT- Promptly following fabrication, the plates for steel rail element and steel posts shall be thoroughly cleaned and painted with red lead primer or, upon the Engineers approval, an alternate of rust inhibitive primer may be used. All parts, hardware and appurtenant fittings for the complete beam guard assembly shall likewise be painted.

FIELD COAT- Following erection the steel rail elements, parts, hardware appurtenant fittings and steel posts shall be painted in accord with Standard Specifications with aluminum paint as provided in Section 3125.

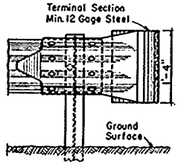
Any damaged areas occuring to shop coat during transportation or erection shall be cleaned and painted with red lead or an approved rust inhibitive primer prior to any field coat painting.

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

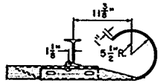
All threaded portions of fittings, fasteners and cut ends of bolts shall be painted as specified immediately following erection.



LOCATION DIAGRAM FOR STEEL PLATE BEAM GUARD INTERMEDIATE SECTIONS

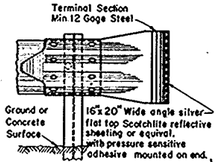


FRONT (Traffic Side) VIEW

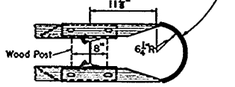


PLAN VIEW

TERMINAL SECTION DETAILS FOR STEEL PLATE BEAM GUARD



FRONT VIEW



PLAN VIEW

TERMINAL SECTION DETAILS FOR STEEL PLATE BEAM (MEDIAN) GUARD

CIRCULAR STEEL PLATE ELEMENT

Steel plate beam elements for beam guard or (median) guard for radii of 20 ft to 150 ft shall be shop-curved prior to shop coat painting. Steel plate beam elements shall be bent to true circular curvature, void of kinks. Kinks shall be cause for rejection.

Steel plate beam elements shall have a minimum bending radius of 20 feet

ALTERNATE POSTS

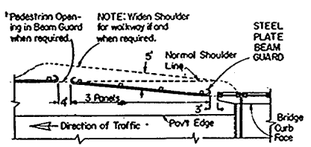
One type of post shall be used for Steel Plate Beam Guard and/or Steel Plate Beam (Median) Guard throughout the length of each project unless specific authorization is obtained from the Engineer to use alternate types.

GALVANIZED-ALTERNATE

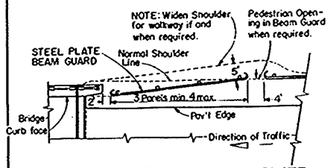
Steel rail elements may be furnished galvanized. Spelter coating shall be the hot dip process in accord with AASHO designation M 36. Only one type surface treatment (either painted or galvanized) may be used throughout the length of each project unless specific authorization is obtained from the Engineer to do otherwise.

MEASUREMENT & PAYMENT

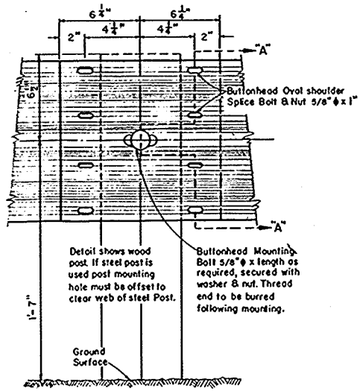
The items of "Class 'B' Steel Plate Beam Guard" and "Class 'B' Steel Plate Beam (Median) Guard" shall be measured and paid for at the contract unit price per linear foot, measured in place by length in linear feet from end to end-out to out of steel plate terminal sections, which price shall be full compensation for furnishing and placing all materials and performing all work to completion in accord with the plans and the Standard Specifications Section 2523 and the applicable Special Provisions.



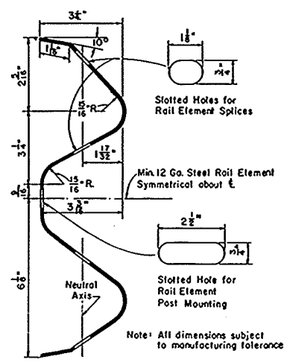
LOCATION DIAGRAM FOR STEEL PLATE BEAM GUARD AT BRIDGE EXITS



LOCATION DIAGRAM FOR STEEL PLATE BEAM GUARD AT BRIDGE APPROACHES



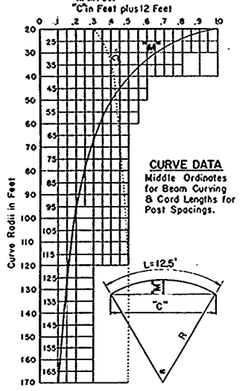
RAIL ELEMENT SPLICING & POST MOUNTING DETAILS



SECTION "A-A"

RAIL ELEMENT SECTION

(Min. 12 GAGE STEEL)



CURVE DATA

Middle Ordinates for Beam Curving & Cord Lengths for Post Spacings.

BID ITEMS

No. 2523- 3 Steel Plate Beam Guard..... Lin. Ft.

No. 2523- 4 Steel Plate Beam (Median) Guard..... Lin. Ft.

STEEL PLATE BEAM GUARD & STEEL PLATE BEAM (MEDIAN) GUARD

STATE HIGHWAY COMMISSION OF WISCONSIN

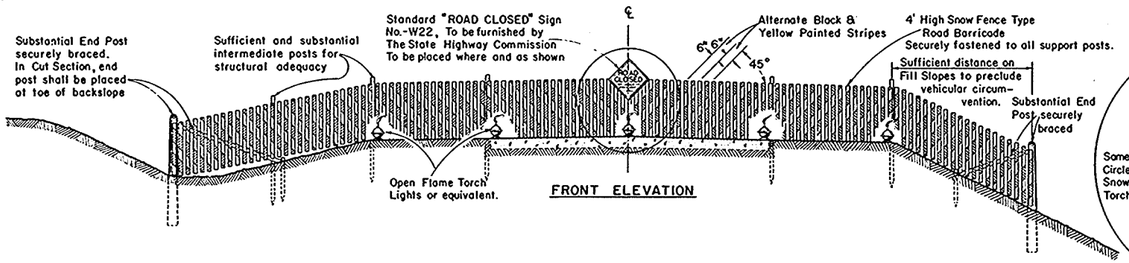
RECOMMENDED FOR APPROVAL:

DATE: 5/25/59 — J. S. Pitt, ENGINEER OF DESIGN

APPROVED:

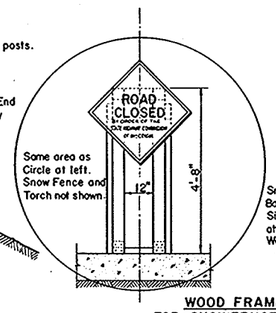
DATE: 5/25/59 — E. C. Rettinger, STATE HIGHWAY ENGINEER

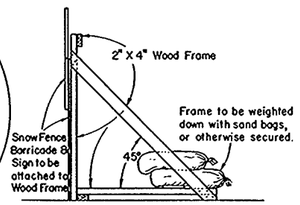
PLATE NO. 7-2.4.6



STANDARD ROAD CONSTRUCTION BARRICADE

SNOW FENCE TYPE-"A"





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

GENERAL NOTES

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

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

ALTERNATE DESIGNS

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

MEASUREMENT & PAYMENT

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

CONSTRUCTION BARRICADE

STATE HIGHWAY COMMISSION OF WISCONSIN

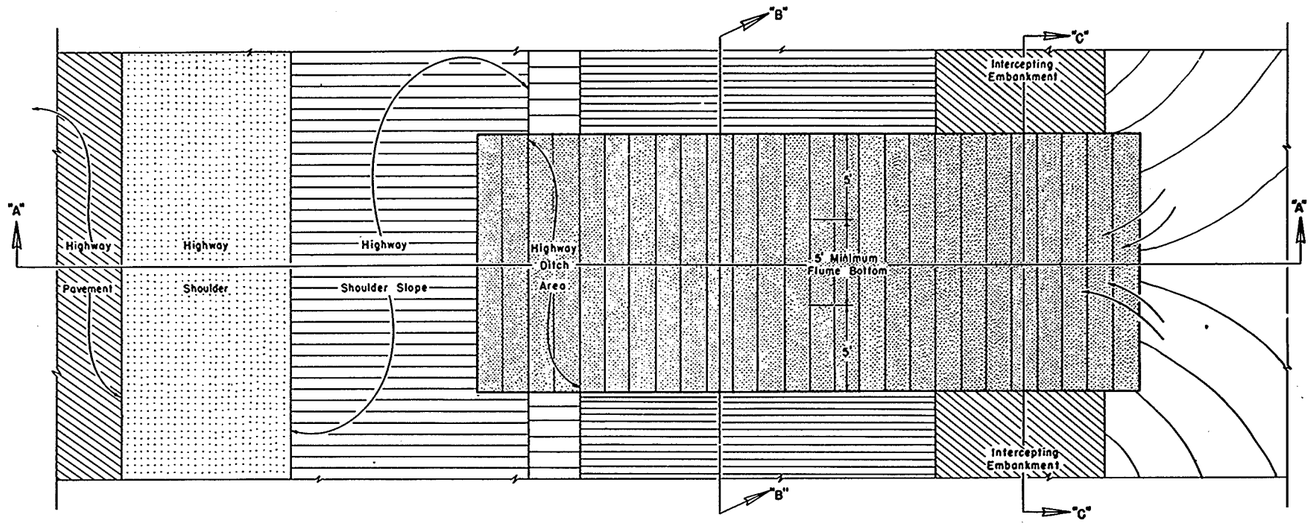
RECOMMENDED FOR APPROVAL:

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

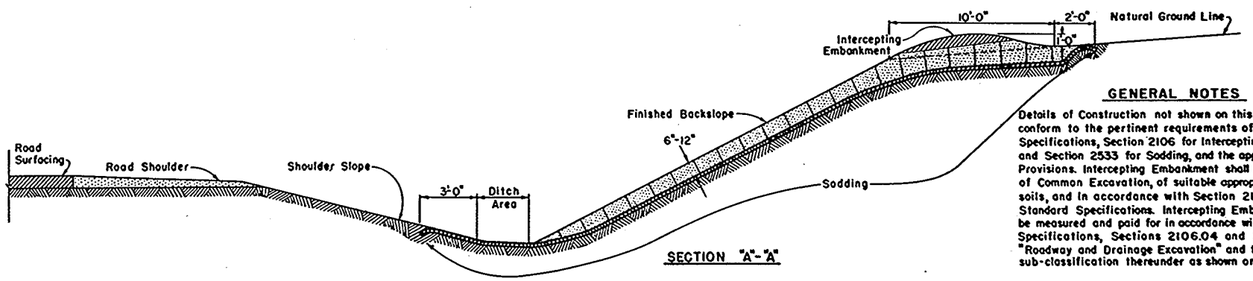
APPROVED:

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

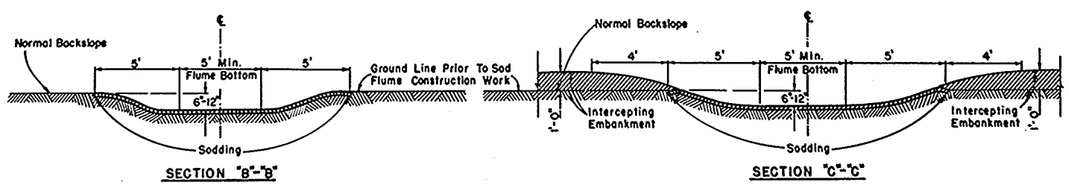
PLATE NO. 7-4.1.2



PLAN VIEW OF SODDED BACKSLOPE FLUME



SECTION "A"-"A"



SECTION "B"-"B"

SECTION "C"-"C"

GENERAL NOTES

Details of Construction not shown on this drawing shall conform to the pertinent requirements of the Standard Specifications, Section 2106 for Intercepting Embankment and Section 2533 for Sodding, and the applicable Special Provisions. Intercepting Embankment shall be constructed of Common Excavation, of suitable appropriate type soils, and in accordance with Section 2106.03 of the Standard Specifications. Intercepting Embankment shall be measured and paid for in accordance with the Standard Specifications, Sections 2106.04 and 2106.05 for "Roadway and Drainage Excavation" and the applicable sub-classification thereunder as shown on the plans.

SODDED BACKSLOPE FLUME & INTERCEPTING EMBANKMENT

STATE HIGHWAY COMMISSION OF WISCONSIN

RECOMMENDED FOR APPROVAL:

5-27-57
DATE

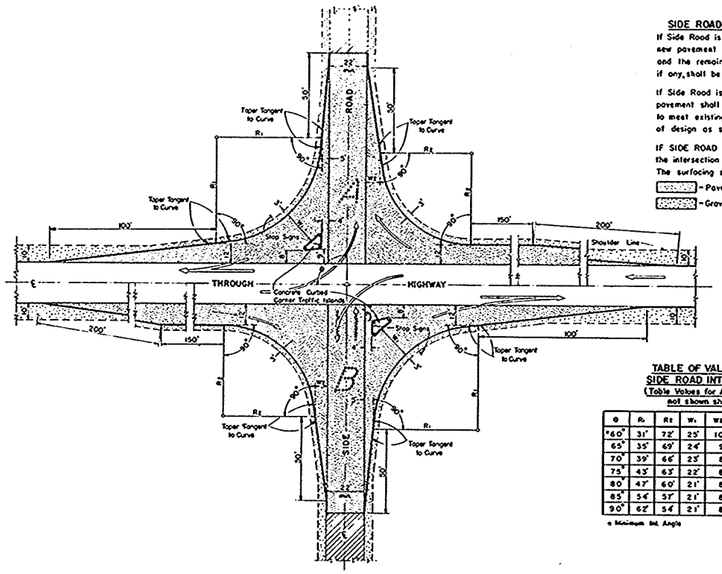
J. L. Pfeiff
ENGINEER OF DESIGN

APPROVED:

5/28/57
DATE

E. G. Barringer
STATE HIGHWAY ENGINEER

PLATE NO. 8-2.1.2.



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

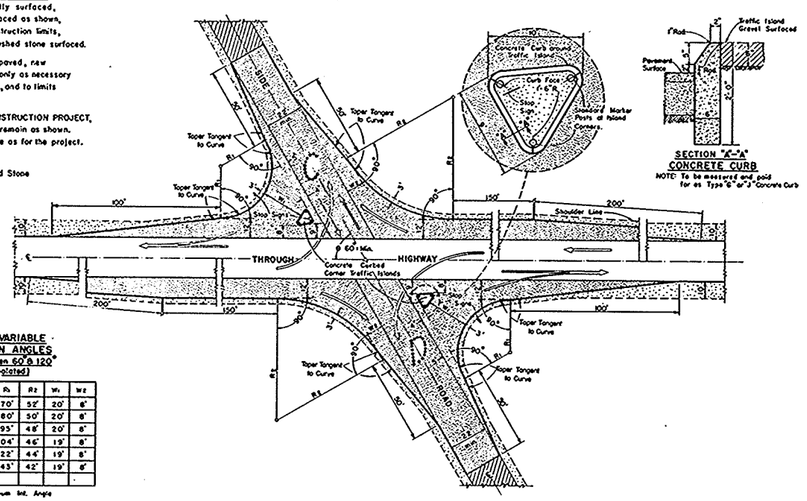
TABLE OF VALUES FOR VARIABLE SIDE ROAD INTERSECTION ANGLES
(Table Values for Angles between 60° & 120° not shown shall be interpolated)

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'	59'	21'	8'
90°	62'	54'	21'	8'

θ	R₁	R₂	W₁	W₂
95°	70'	52'	20'	8'
100°	80'	50'	20'	8'
105°	93'	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 "K"-"A" CONCRETE CURB
NOTE: To be mastered 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

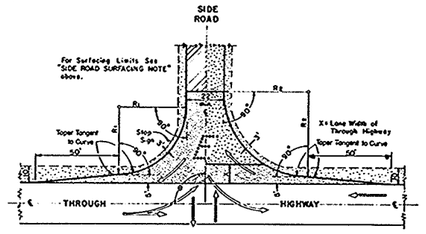


TABLE OF VALUES FOR VARIABLE SIDE ROAD INTERSECTION ANGLES
(Table Values for Angles between 60° & 120° not shown shall be interpolated)

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

θ	R₁	R₂
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.

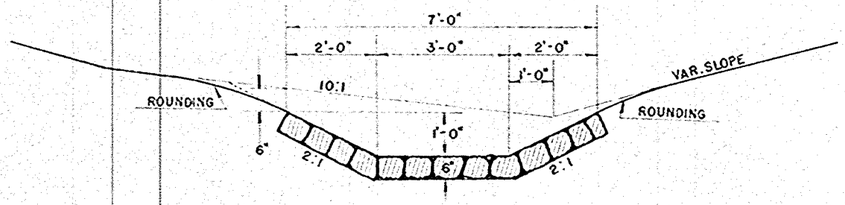
DESIGN & LAYOUT DETAILS FOR SIDE ROAD AT GRADE INTERSECTIONS (RURAL IN CHARACTER)

STATE HIGHWAY COMMISSION OF WISCONSIN

RECOMMENDED FOR APPROVAL
DATE 1/17/58 — Director of Design

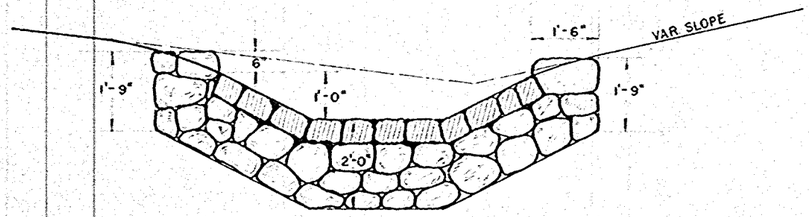
APPROVED
DATE 1/17/58 — STATE HIGHWAY ENGINEER

PLATE NO. 9-11.3

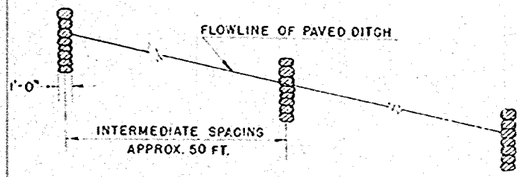


.083 SY. PER LIN. FT

SECTION SHOWING PAVED DITCH



SECTION SHOWING CUT OFF WALL



PROFILE SHOWING SPACING OF CUT OFF WALLS

CONSTRUCTION NOTES

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

PAVED DITCH
GROUTED RUBBLE PAVING

STATE HIGHWAY COMMISSION OF WISCONSIN

RECOMMENDED FOR APPROVAL:

Frank Cuan
DESIGN ENGINEER

CONSTRUCTION ENGINEER

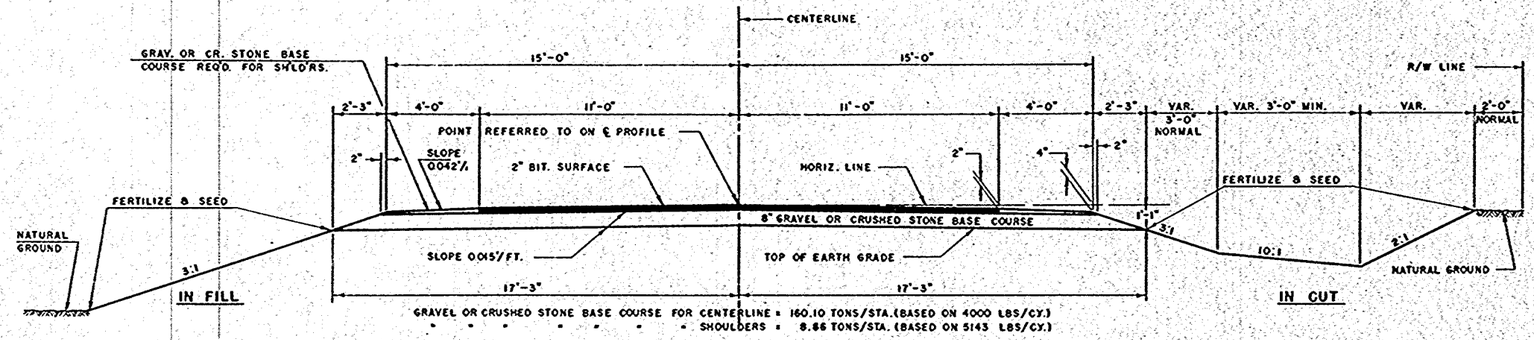
APPROVED: OCT 1 1955

DRAWN CW & CHECKED NFC

STATE HIGHWAY ENGINEER

8-3.1.1

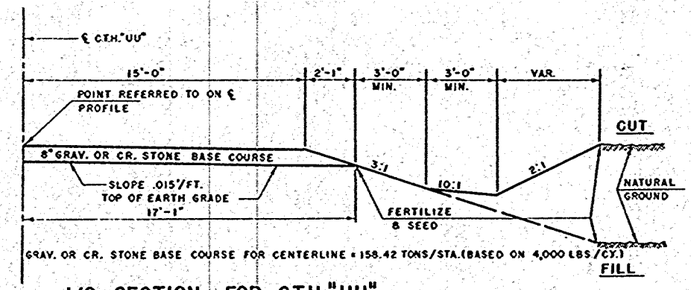
PROJECT	SHEET NUMBER	TOTAL SHEETS
S 1422 (1)	2	69



NORMAL TYPICAL FINISHED SECTION

UNCLASSIFIED EXCAVATION	
LOCATION	C.Y.
CROSS SECTION TOTAL	95,314
CHANNEL CHANGE STA. 180+36	475
PROJ. TOTAL	95,789

GROUTED RUBBLE SLOPE PAVING		
STATION	SIDE	S.Y.
16+50 – 17+20	RT.	59
28+00 – 28+20	LT.	21
133+10	RT.	15
TOTAL		95



1/2 SECTION FOR C.T.H."UU"

CULVERT PIPES				
STATION	LOCATION	DIA.	LIN. FT.	TYPE
28+20	℄	84"	90	"
35+68	℄	30"	58	"
47+22	℄	42"	60	"
51+35	℄	36"	52	"
61+63	℄	30"	50	"
79+25	SD.RD.LT.	18"	42	"
79+25	" " RT.	18"	42	"
86+64	℄	24"	40	"
114+31	℄	24"	44	"
118+10	℄	24"	64	"
133+10	℄	24"	52	"
153+50	℄	30"	48	"
163+36	℄	24"	50	"
165+90	℄	30"	46	"
174+67	℄	30"	52	"
190+71	℄	36"	44	"
195+53	℄	36"	48	"
203+74	℄	24"	46	"
208+89	℄	24"	66	"
211+97	℄	24"	60	"
225+82	℄	24"	54	"
233+14	℄	58"X36"	48	C.M.P.A.
238+47	SD. RD.LT.	18"	42	C.P.
238+99	℄	30"	48	"
253+81	℄	24"	42	C.P.
266+88	℄	42"	48	"
269+35	℄	50"X31"	50	C.M.P.A.
278+24	℄	58"X36"	52	"
291+24	SD.RD.RT.	18"	42	C.P.
324+28	℄	30"	52	"
330+67	℄	36"	50	"
CONT'D. AT LEFT				

CULVERT PIPES				
STATION	LOCATION	DIA.	LIN. FT.	TYPE
52+00	F.E. RT.	36"	32'	C.P.
60+00	" "	36"	32	"
129+64	℄	24"	48	"
145+40	℄	11'SPAN	66	S.P.P.A.
48 P.E.'S – 18"X 32'			1536	C.P.

CLEARING & GRUBBING				
STATION TO STATION	CLEARING		GRUBBING	
	STA.	I.D.	STA.	I.D.
7+50 – 57+00		430		658
57+00 – 61+00	4		4	
61+00 – 106+00		172		470
106+00 – 113+00	7		7	
113+00 – 177+00		374		704
177+00 – 181+00	4		4	
181+00 – 343+90		448		614
C.T.H."UU" & TOWN RD.				
9+00 – 15+00		26		54
16+00 – 19+00	3			*
19+00 – 20+00	1		1	
CHANNEL CHANGE				
16+00 – 19+00	3		3	
20+50 – 21+50	1		1	
TOTAL	23	1450	20	2500

* INDICATES BASIS FOR PAYMENT

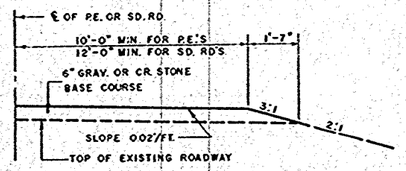
GENERAL NOTES

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

FOR SO. RD. INTERSECTIONS USE "MINOR" SO. RD. DETAIL OF PLATE NO 9-1.1.3

STANDARD DRAWINGS

EXC. & BACKFILL FOR CULV. & ABUTMENTS	1-1.1.2
DETAILS OF P.E.'S & SD. RD'S.	1-3.1.1
PIPE ARCHES	6-5.3.1
MARKER POSTS	7-1.3.3
BEAM GUARD	7-2.4.6
CONSTRUCTION BARRICADE	7-4.1.2
DITCH CHECKS	8-1.2.1
INTERSECTION LAYOUT	9-1.1.3
PAVED DITCH, GROUTED RUBBLE PAVING	8-3.1.1

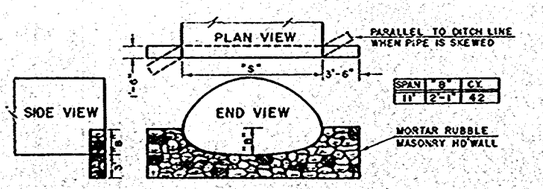


1/2 SECTION FOR P.E.'S & SD. RD'S.

GRAV. OR CR. STONE BASE COURSE	
LOCATION	C.Y.
CENTERLINE	53,900
P.E.'S & SD. RD'S.	4,700
SHOULDERS	
TOTAL	58,600

MARKER POSTS	
LOCATION	NO.
℄ & SD. RD. CULV. PIPES	66
STRUCTURES	4
SH'LD'R DELIN. (UNDIST.)	70
TOTAL	140

NOTE: BITUM. SURFACING NOT A PART OF THIS CONTRACT.



END DETAILS
STRUCTURAL PLATE PIPE ARCH
STA. 145+40

STEEL PLATE BEAM GUARD		
STATION TO STATION	LOCATION	LIN. FT.
17+93.5 – 18+35	LT.	41.5
17+93.5 – 18+35	RT.	41.5
19+61 – 20+02.5	LT.	41.5
19+61 – 20+02.5	RT.	41.5
28+20	LT.	41.5
28+20	RT.	41.5
125+79	LT.	41.5
125+79	RT.	41.5
145+40	LT.	41.5
145+40	RT.	41.5
301+39 – 301+80.5	LT. 41.5' RT. 41.5'	83.0
302+14.5 – 302+56	LT. 41.5 RT. 41.5'	83.0
TOTAL		581.0

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

SCALE VARIABLE

ESTIMATE OF QUANTITIES

CONTRACT NO. I-2&3

B.P.R. DIVISION	PROJECT	SHEET NO.	TOTAL SHEETS
4	S 1422 (1)	3	69

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, & SPECIAL PROVISIONS AS ATTACHED TO PROPOSALS.

CONTRACT NO.	STATION TO STATION		NET LENGTH OF CENTER LINE	CLEARING		GRUBBING		REMOVING OLD CULVERT		REMOVING OLD BRIDGE		EXCAVATION				SAND GRAVEL FILL	FINE GRADING	SHOULDER EMBANKMENT	FINISHING ROADWAY	OBLITERATING OLD ROAD	CONCRETE		GRAVEL OR CRUSHED STONE BASE COURSE		CONCRETE PAVEMENT		CONCRETE HEADERS	CONCRETE SURFACE DRAINS	CONCRETE PAVEMENT REINF.	PREP. ROADBED FOR BITUM. SURF.	BITUM. MAT. FOR PRIME COAT	BITUM. ROAD MIX SURFACE	AGGREGATES FOR BITUM. ROAD MIX SURFACE	BITUM. MAT. FOR SURFACE COURSE
		ITEM NO.		2101-1	2101-2	2101-4	2101-5	2104-1		2201-21		2106-5	2106-2	2106-4	2109-1	2110-1	2112-1	2113-1	2114-1	2116-1	2201-1		2203-1	2203-1	2301-1	2301-	2301-5	2301-6	2301-7	2310-1	2311-1	2313-1	2313-2	2313-3
		UNIT	LIN. FT.	STA.	IN. DIA.	STA.	IN. DIA.	L.S.		L.S.		C.Y.	C.Y.	C.Y.	C.Y.	C.Y.	C.Y.	C.Y.	L.S.	STA.	SQ. YD.		TONS	TONS	SQ. YD.	SQ. YD.	SQ. YD.	C.Y.	SQ. YD.	STA.	GAL.	SQ. YD.	C.Y.	GAL.
1	7+50 - 343+90		33,640.04	23	1,450	20	2,500			1		95,789			16,568				1				58,600										
2	7+50 - 343+90																						58,600										
		STRUCTURE NO.																															
3	18+4100-19+55.00	B-5/44-51																															
3	125+79.00	C-5/44-55																															
3	180+36.00	C-5/44-17																															
3	301+645-302+10.51	B-5/44-50																															
	7+50 - 343+90		33,640.04	23	1,450	20	2,500			1		95,789			16,568				1				58,600	58,600									

BRIDGES (STRUCTURES OVER 20FT. SPAN)

	REMOVING OLD BRIDGE STA. 18+91.5	COMMON EXC.	EXCAVATION FOR STRUCTURES	GRANULAR BACKFILL	CONCRETE MASONRY	BAR STEEL REINF.	STRUCTURAL CARBON STEEL	LUBRICATED BRONZE PLATES	BEARING PADS	SHEET LEAD	PILE SHOES	TR'T'D LUMBER AND TIMBER	UNTR'D TIMBER TEST PILING (20 FT.)	UNTREATED TIMBER PILING DELIVERED	UNTREATED TIMBER PILING DRIVEN	TREATED TIMBER PILING DELIVERED	TREATED TIMBER PILING DRIVEN	FLOOR DRAINS	HEAVY RIP-RAP	STEEL RAILING	STRUCTURE NO.
	2104-21	2106-1	2107-1	2110-1	2401-1	2406-1	2407-1	SP	SP	2407-3	2501-6	2408-2	2501-1	2501-2	2501-3	2501-4	2501-5	2508-1	2512-2	2510-2	
	L.S.	C.Y.	C.Y.	C.Y.	C.Y.	LB.	LB.	LB.	SQ. FT.	LB.	EACH	M.B.M.	L.S.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	EACH	C.Y.	LIN. FT.	
3	1		67		194.8	22,140	54,500	62	13		29		1	260	260	560	560	4	300	236	B-5/44-51
3																					C-5/44-55
3																					C-5/44-17
3			20	10	17.2	2,410														68	B-5/44-50
TOT.	1		87	10	212.0	24,550	54,500	62	13		29		1	260	260	560	560	4	300	304	

CULVERTS (STRUCTURES 20FT. SPAN & UNDER)

	REMOVE OLD CULV'T STA.	COMMON EXC.	EXCAVATION FOR STRUCTURES	GRANULAR BACKFILL	CONCRETE MASONRY	BAR STEEL REINF.	STRUCTURAL STEEL	STEEL CASTINGS	CARBON STEEL FORGINGS	SHEET LEAD	SHEET ZINC	TR'T'D LUMBER AND TIMBER	UNTR'D TIMBER TEST PILING	TREATED TIMBER PILING DELIVERED	TREATED TIMBER PILING DRIVEN	FLOOR DRAINS	RIP-RAP
	2104-1	2106-1	2107-2	2110-1	2404-1	2406-2	2407-	2407-3	2407-4	2407-5	2407-6	2408-2	2501-1	2501-4	2501-5	2507-1	2512-1
	L.S.	C.Y.	C.Y.	C.Y.	C.Y.	LB.	LB.	LB.	LB.	LB.	LB.	M.B.M.	L.S.	LIN. FT.	LIN. FT.	EACH	C.Y.
3			130	40	102.5	10,830											
3			210	50	102.1	11,160											
TOT.			340	90	204.6	21,990											

	RUBBLE MASONRY		CULVERT PIPE						CORRUGATED METAL PIPE ARCH					STRUCTURAL PLATE PIPE ARCH 11" SPAN 10 GAGE	RIPRAP	SLOPE PAVING		DITCH CHECKS		PIPE UNDER DRAIN	STORM SEWER				CATCH BASINS		MANHOLES		INLETS		CONCRETE			STEEL PLATE BEAM GUARD		ANCHORAGES FOR CABLE	MARKER POSTS	MARKER POSTS FOR R-O-W	CALCIUM CHLORIDE SURFACE TREATMENT	TOPSOIL	SALVAGED TOPSOIL	FERTILIZER	SEEDING	SODDING
	MORTAR	DRY	18"	24"	30"	36"	42"	84"			50"X31"	58"X36"				PLAIN	GRO'T'D RUBBLE	MORTAR RUBBLE											CURB	CURB AND GUTTER	SIDE WALK												
	2409-2	2409-3	2411-1	2411-2	2411-3	2411-4	2411-5	2411-6	2411-	2411-	2411-31	2411-32	2411-	2411-	2412-21	2512-1	2515-1	2515-2	2516-3	2516-	2517-1	2519-	2519-	2519-	2519-	2520-	2520-	2520-	2520-	2520-	2520-	2521-1	2521-3	2522-11	2523-3	2523-	2523-5	2523-5	2523-4	2525-1	2528-1	2528-2	2531-1	2532-1	2533-1
	C.Y.	C.Y.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	C.Y.	SQ. YD.	SQ. YD.	C.Y.	C.Y.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	EACH	EACH	EACH	EACH	EACH	EACH	LIN. FT.	LIN. FT.	SQ. FT.	LIN. FT.	LIN. FT.	EACH	EACH	EACH	TON		SQ. YD.	CWT.	SQ. YD.	SQ. YD.
1	8.4		1,704	566	354	258	108	90			50	100			66			95	40															581			140		46			165	180,000	
	8.4		1,704	566	354	258	108	90			50	100			66			95	40															581			140		46			165	180,000	

UNDISTRIBUTED

BENCH MARKS

NO.	STATION	DESCRIPTION		ELEV.
109	0+00	SPIKE IN 20" ELM	14' LT.	678.63
1	6+88	PT. MK. S.E. COR. CATTLE PASS	44' RT.	675.98
2	14+53	SPIKE IN 16" ELM	30' RT.	654.89
3	20+08	PT. MK. N.E. COR. WINGWALL	14' LT.	646.61
4	24+92	SPIKE IN 14" ELM	20' RT.	663.37

CONSTR. CURVE NOTES

P.I. = STA. 12+00
∠ = 182°-9'-44"
Δ = 2°-9'-44"
D = 0°-30'
T = 216.20'
L = 432.44'
S.E. NONE

CH. CH CURVE NOTES (ARC BASIS)

P.I. = STA. 18+73.3
∠ = 254°-00'
Δ = 74°-00'
T = 124.3'
L.C. = 213.1'
R = 165.0'

B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S 1422 (1)	4	69

STATE R/W
MATTHEW MEULEMANS
GEORGE MC DANIEL
CULT.
UNCULT.
LIMITED HWY. EASEMENT
P.O.T. STA 0+00.0
P.O.T. STA. 3+28.40
P.O.T. STA. 13+00.0
P.O.T. STA. 25+32.0
STA. 1420+66.4 U.S.H. 41 = STA. 6+89.2 C.T.H. "U"
STA. 1421+00 U.S.H. 41 = STA. 7+17.09 C.T.H. "U" CONSTR.
STA. 7+50 BEG. OF PROJ. S 1422 (1)
STA. 26+24.5 C.T.H. "U" = STA. 15+43.4 C.T.H. "UU"
STA. 18+98.0 C.T.H. "U" = STA. 19+80.0 CH. CH.
EQUATION: (CONSTR) PT STA. 14+16.24 BACK = STA. 14+16.20 AHEAD
STA. 16+50 - 17+20 RT. PAVED DITCH REQ'D.
P.C. = STA. 9+83.80
P.T. = 19+62.1
N. 2°-08'-04" W.
N. 0°-1'-40" E.
147°-09'-40"
PI = STA. 16+73.6
∠ = 155°-40'
PI = STA. 18+00
∠ = 151°-07'
C.T.H. "U" (GRAV.)
C.T.H. "UU" (20' CONC.)
ACCESS RD. (GRAV.)
TRAFFIC COUNT POSTS
CONC. SLAB
CONC. SPILLWAY
CATTLE PASS
MASONRY SPILLWAY
REMOVE 44' SPAN R.C.O.G. BRIDGE
12"-3" TO 6" ELMS
SCATTERED TREES
STUMPS
STUMP
APPLE
CREEK
TOWN RD. DRAIN
END OF TREE IN R/W
18"x22' C.P. (REMOVE)
℄ STRUCT.
℄ CH. CH.
FERTILIZE & SEED AS MUCH AS PRACTICAL
20' 20' 2:1 2:1
TYPICAL SECTION OF PROPOSED CHANNEL CHANGE STA. 18+98.0

NET LENGTH OF CENTERLINE		
STATION TO STATION		LIN. FT.
7+50	18+41.00	1,091.04
18+41.00	19+55.00	114.00
19+55.00	25+00	545.00

UNC. EXC. = 0 C.Y. FILL = 5,815 C.Y. BORROW = 6,112 C.Y.
UNC. EXC. = 1,611 C.Y. FILL = 1,287 C.Y.

PROFILE ALONG CH. CH. STA. 18+98

PRESENT PROFILE
FINISHED GRADE
SLOPE OF CHANNEL = -0.3%
UNC. EXC. = 4700 C.Y.
WASTE IN OLD CHANNEL

UNC. EXC. = 2,227 C.Y.
FILL = 8,205 C.Y.
BORROW = 7,386 C.Y.

PROFILES ON C.T.H. "UU" LT. AND TOWN ROAD - RT.

UNC. EXC. = 1,998 C.Y. FILL = 5,375 C.Y. BORROW = 3,070 C.Y.
HAUL IN 708 C.Y. FROM STA. 38+08 TO 44+38
PRESENT PROFILE
FINISHED GRADE
HIGH WATER 661
STRIKED 640
EQUATION 100.04 = 100.00
STA. 18+98 ℄ STRUCT.
STA: 18+98 B-5-44-51
24' SPAN R.C. BRIDGE IN PLACE TO BE REMOVED
2-55' SPANS STEEL BEAM BRIDGE REQ'D.
26' CLEAR ROADWAY
SEE DRG'S. X 20121 — X 20124

GENERAL NOTES

THE EXACT LOCATIONS OF PRIVATE ENTRANCES SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.
CUBIC YARDS OF FILL AS SHOWN ON PLAN PERTAINS TO EMBANKMENT CONSTRUCTED FROM UNCLASSIFIED EXCAVATION AND BORROW EXCAV. AND WAS COMPUTED WITH A SHRINKAGE ALLOWANCE VARYING FROM 20% TO 30% FOR UNCL. EXCAV. AND 15% FOR BORROW.

LEGEND

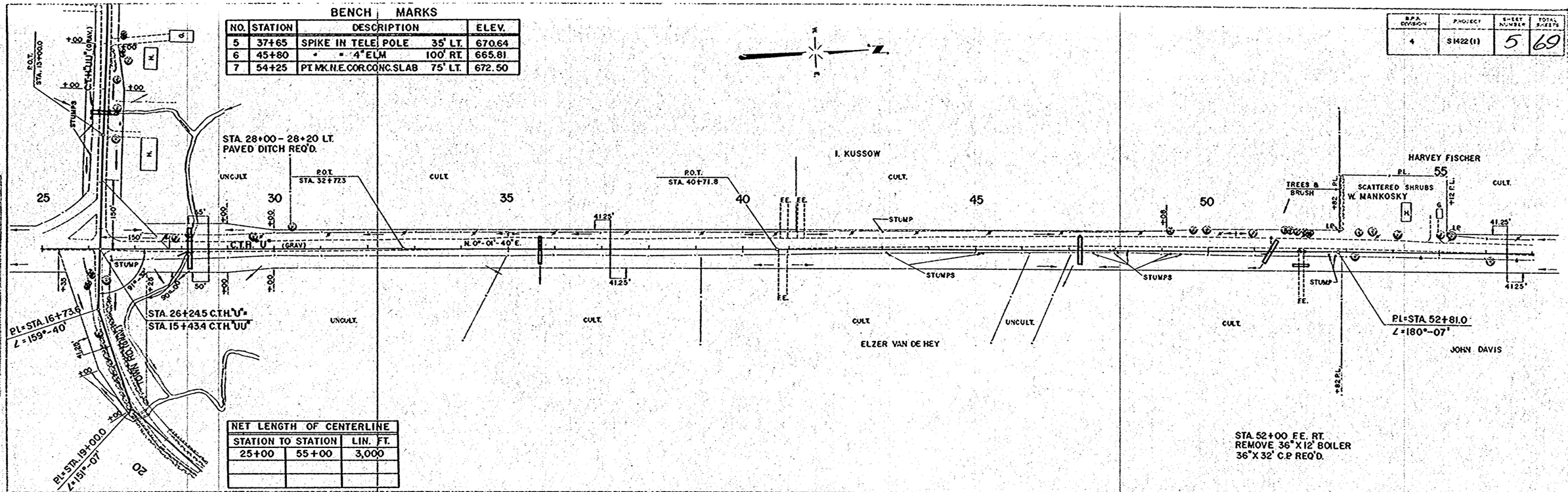
UNC. EXC.	UNCLASSIFIED EXCAVATION
U. E.	" "
●	POWER POLE
✓	TELEPHONE POLE
P.E.	PRIVATE ENTRANCE
F.E.	FIELD ENTRANCE
C.G.S.M.C.P.	CORR. GALV. SHEET METAL CULV. PIPE
C.P.	CULVERT PIPE
D.G.	DITCH GRADE

PLOTTED BY R. R. STEVENS
IN SCALE POST CO., COLORADO

B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S1422(1)	5	69

BENCH MARKS

NO.	STATION	DESCRIPTION		ELEV.
5	37+65	SPIKE IN TELE. POLE	35' LT.	670.64
6	45+80	" " 4" ELM	100' RT.	665.81
7	54+25	PT. MK. N.E. COR. CONC. SLAB	75' LT.	672.50



NET LENGTH OF CENTERLINE		
STATION TO STATION		LIN. FT.
25+00	55+00	3,000

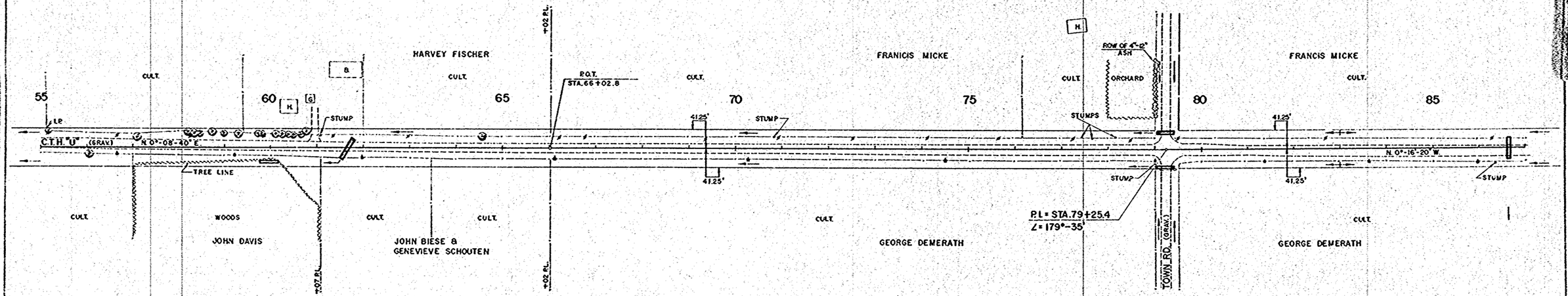
| | | |

BRF DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S 1422(1)	6	69

BENCH MARKS

NO.	STATION	DESCRIPTION		ELEV.
7	54+25	PT. MK. N.E. COR. CONC. SLAB	75' LT.	672.50
8	60+20	SPIKE IN 18" ELM	75' RT.	671.63
9	78+95	" " 24" MAPLE	70' LT.	681.67

STA. 79+25 SD. RD. LT.
REMOVE 12"X 30' C.P.
18"X 42' C.P. REQ'D.

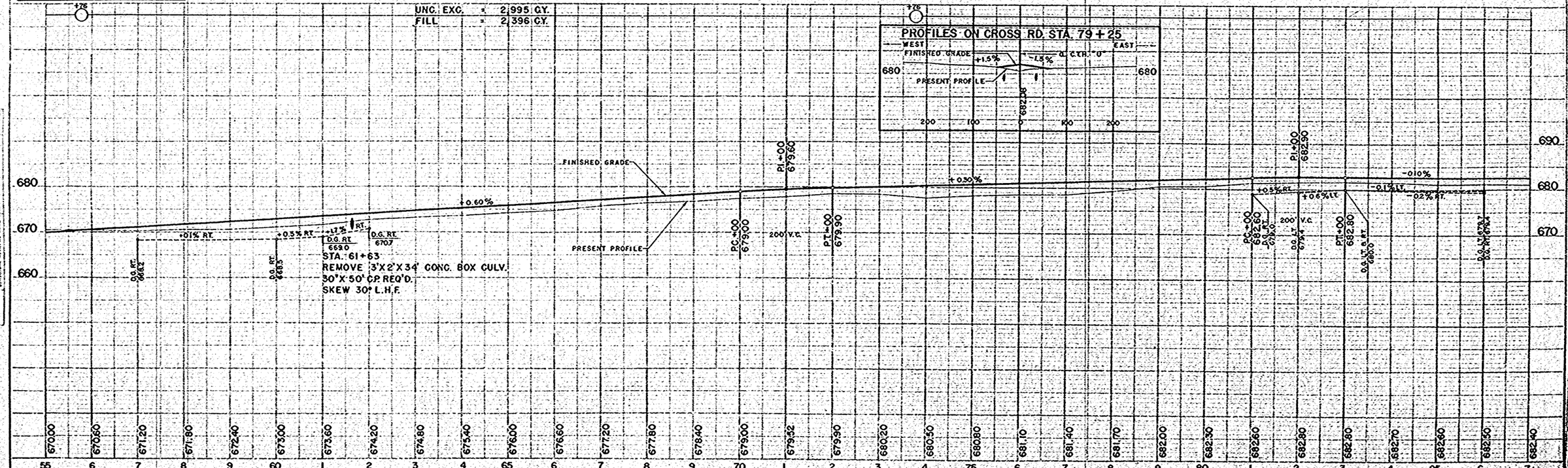


NET LENGTH OF CENTERLINE		
STATION TO STATION		LIN. FT.
55+00	85+00	3,000

STA. 60+00 F.E. RT.
36"X 32' C.P. REQ'D.

STA. 79+25 SD. RD. RT.
REMOVE 21"X 36' C.P.
18"X 42' C.P. REQ'D.

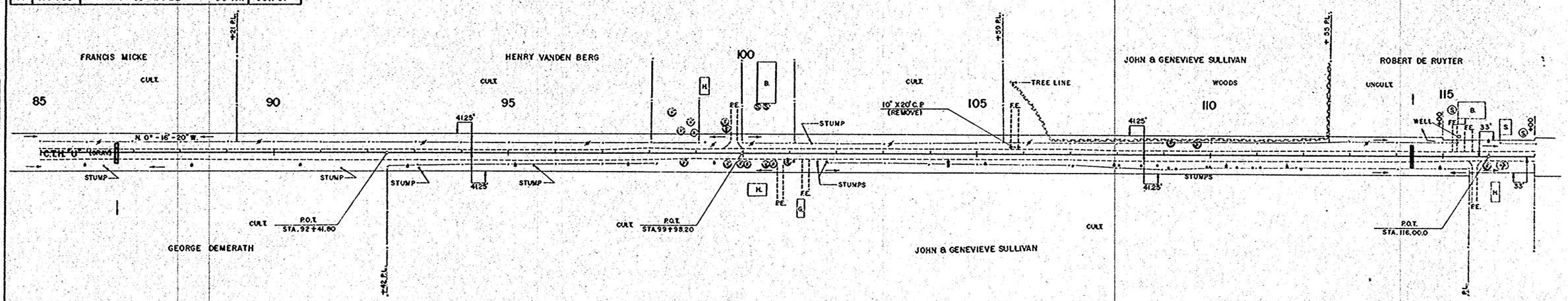
UNC. EXC. = 2,995 C.Y.
FILL = 2,396 C.Y.



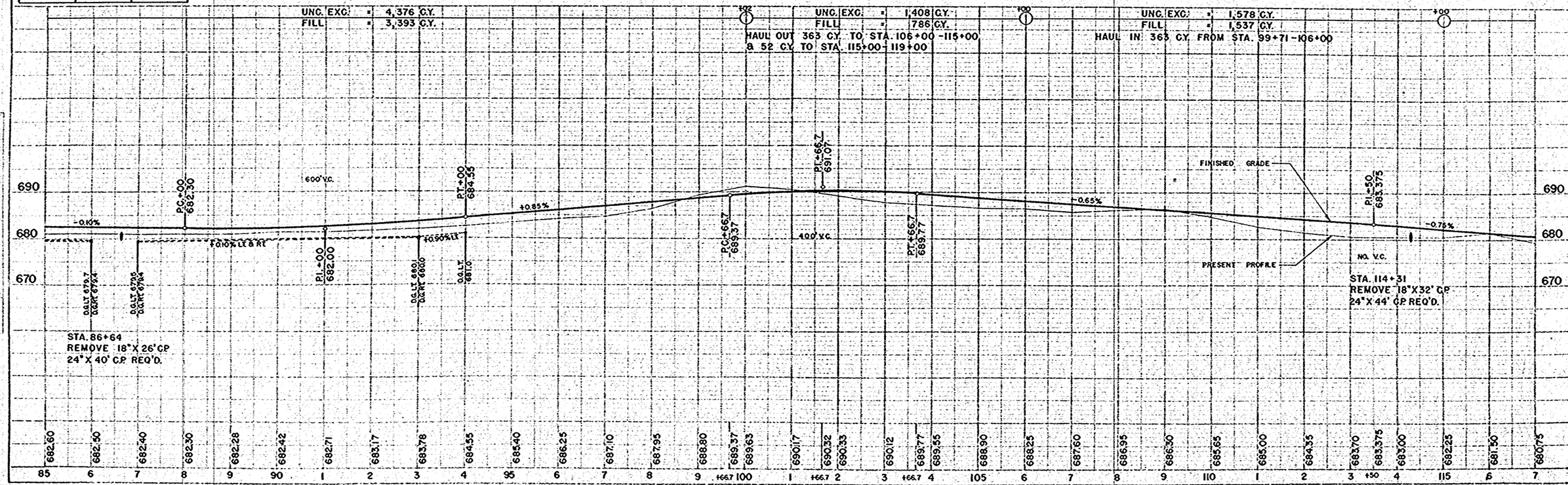
B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S1422(1)	7	69

BENCH MARKS

NO.	STATION	DESCRIPTION		ELEV
10	89+20	SPIKE IN 34" TWIN ASH	90' LT.	682.25
11	99+65	" " 18" ASH	45' LT.	691.66
12	106+45	" " 20" ELM	65' LT.	687.62
13	111+30	" " 10" OAK	70' LT.	682.05
14	116+80	" " 18" APPLE	50' RT.	681.57



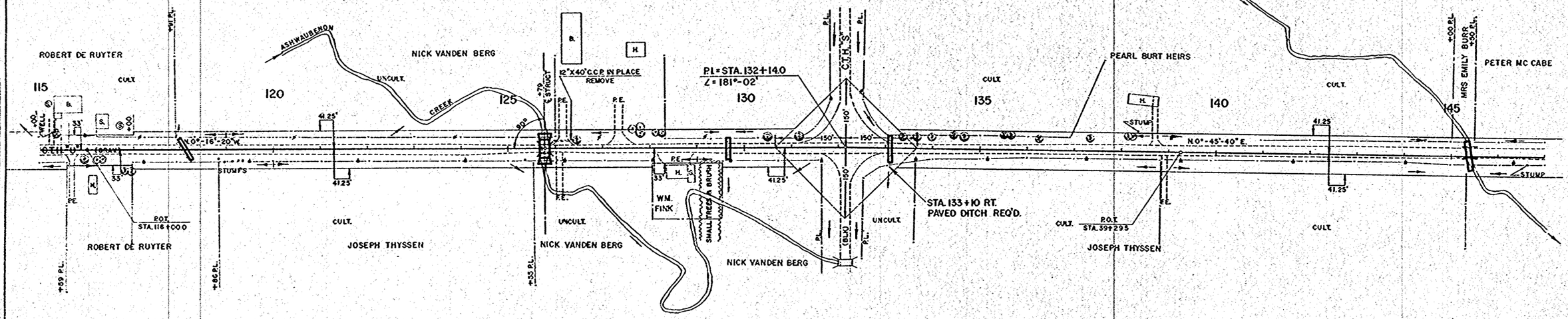
NET LENGTH OF CENTERLINE		
STATION TO STATION		LIN. FT.
85+00	115+00	3,000



B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S1422(1)	8	69

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
14	116+80	SPIKE IN 18" APPLE 50' RT.	681.57
15	127+88	" " 20" BOX ELDER 75' LT.	681.37
16	132+24	PT. MK. N.W. COR. BRIDGE 250' RT.	674.07
17	137+70	" " N.E. " CONC. SLAB 75' LT.	694.21



NET LENGTH OF CENTERLINE		
STATION TO STATION		LIN. FT.
115+00	145+00	3,000

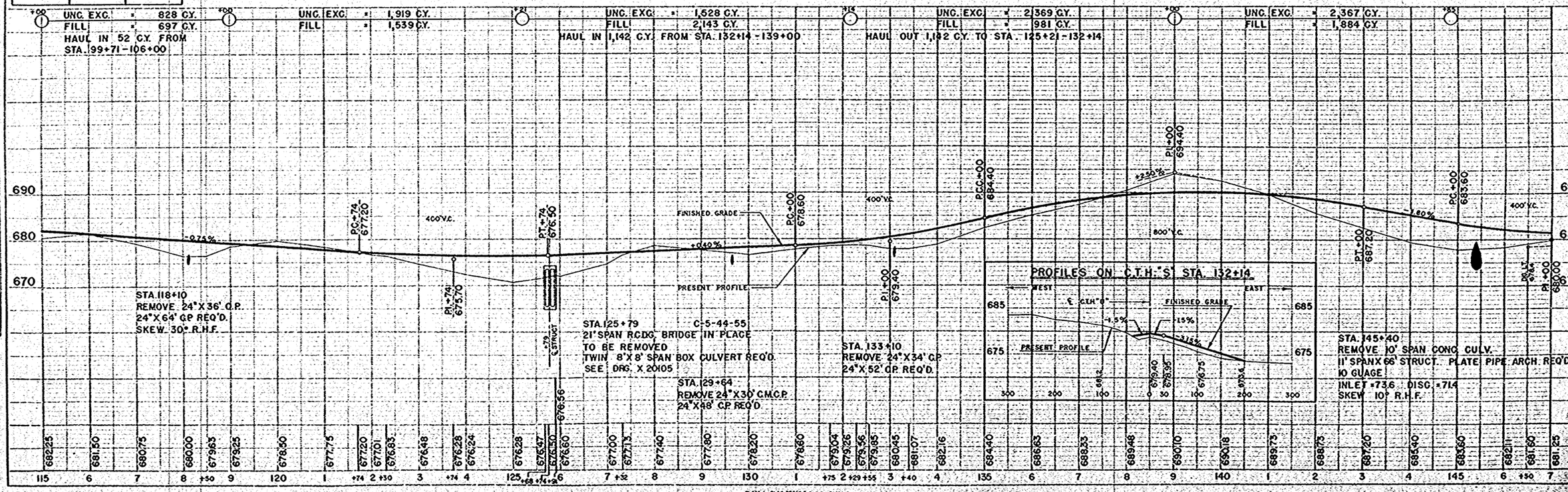
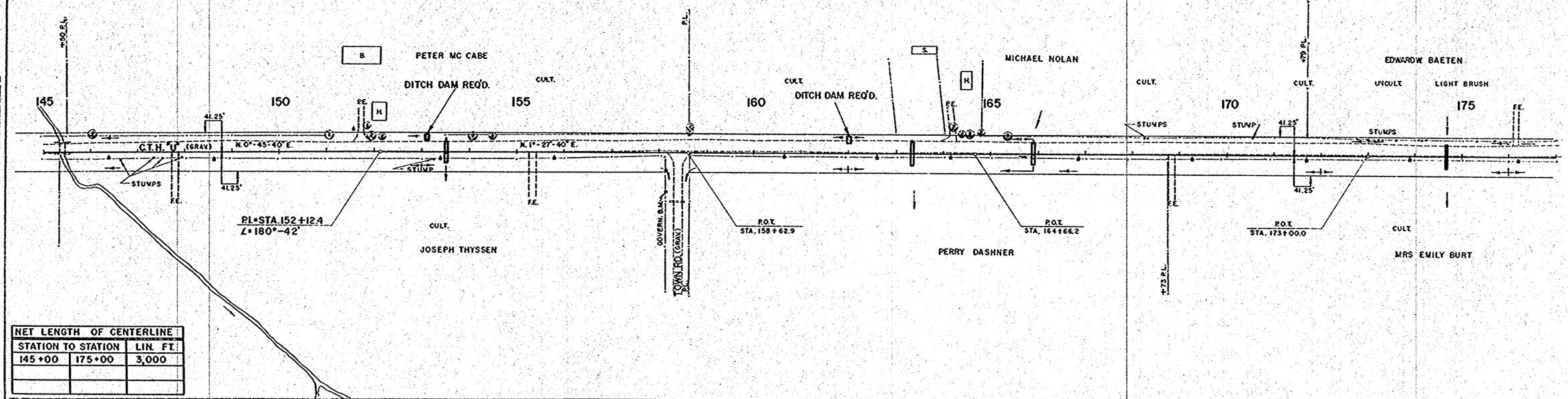


PLATE — PLAN PROFILE & P. & B. STRUCTURE
FREDONIA POST CO. CIRCLE

BENCH MARKS

NO.	STATION	DESCRIPTION		ELEV.
18	151+78	SPIKE IN BOX ELDER	60' LT.	686.86
19	164+25	" " 14" MAPLE	95' LT.	689.17
20	177+75	" " 30" OAK	66' RT.	687.53

B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	SH22(1)	9	69



NET LENGTH OF CENTERLINE		
STATION TO STATION		LIN. FT.
145+00	175+00	3,000

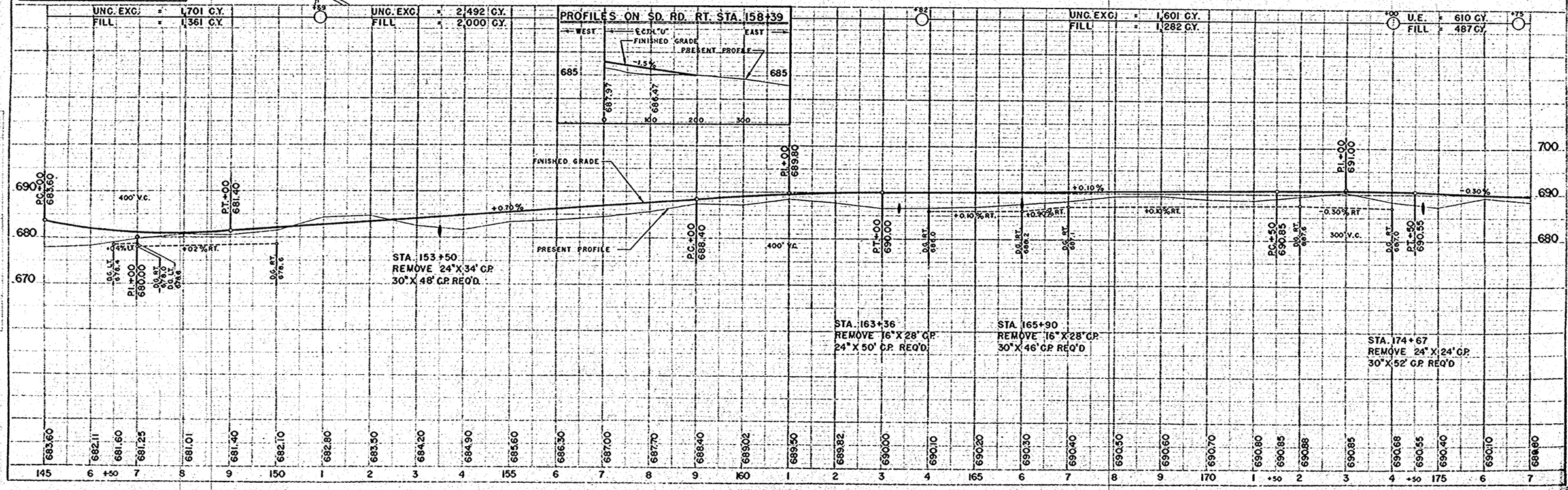


PLATE 1-PLAN PROFILE S.F.N. STANDARD
HIGHWAY POST CO. DECCO

B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	SH22(1)	10	69

BENCH MARKS

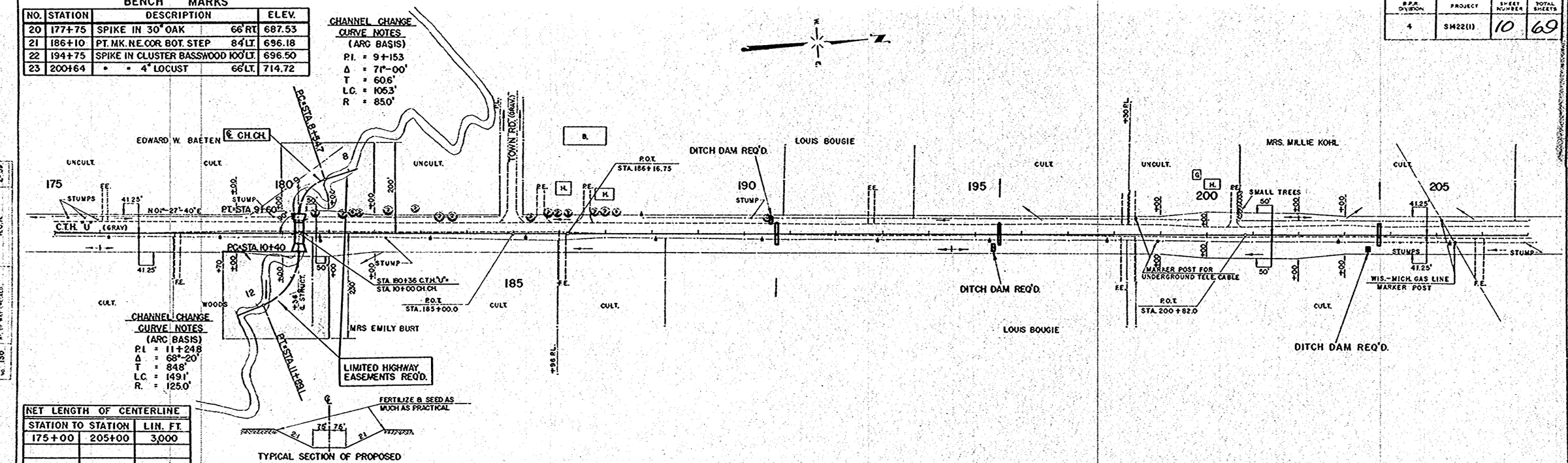
NO.	STATION	DESCRIPTION		ELEV.
20	177+75	SPIKE IN 30" OAK	66' RT.	687.53
21	186+10	PT. MK. N.E. COR. BOT. STEP	84' LT.	696.18
22	194+75	SPIKE IN CLUSTER BASSWOOD	100' LT.	696.50
23	200+64	" " 4" LOCUST	66' LT.	714.72

CHANNEL CHANGE CURVE NOTES (ARC BASIS)
P.I. = 9+153
Δ = 71°-00'
T = 606'
L.C. = 1053'
R = 850'

CHANNEL CHANGE CURVE NOTES (ARC BASIS)
P.I. = 11+248
Δ = 68°-20'
T = 848'
L.C. = 1491'
R. = 1250'

NET LENGTH OF CENTERLINE

STATION TO STATION		LIN. FT.
175+00	205+00	3,000



UNC. EXC. = 710 C.Y.
FILL = 569 C.Y.

UNC. EXC. = 4,418 C.Y.
FILL = 4,119 C.Y.

HAUL IN 124 C.Y. FROM STA. 190+00 - 195+00 & 609 C.Y. FROM STA. 195+00 TO 200+64

UNC. EXC. = 1,012 C.Y.
FILL = 710 C.Y.

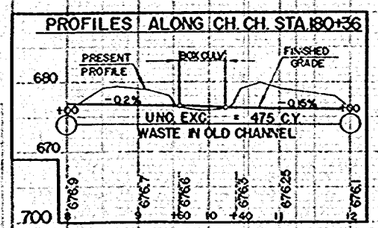
HAUL OUT 124 C.Y. TO STA. 179+89 - 190+00

UNC. EXC. = 2,927 C.Y.
FILL = 1,853 C.Y.

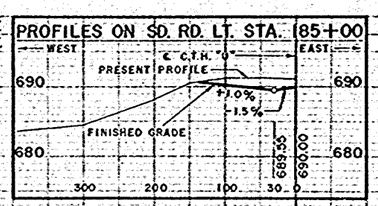
HAUL OUT 609 C.Y. TO STA. 179+89 - 190+00

UNC. EXC. = 4674 C.Y.
FILL = 3649 C.Y.

PROFILES ALONG CH. CH. STA. 180+36



PROFILES ON SD. RD. LT. STA. 85+00



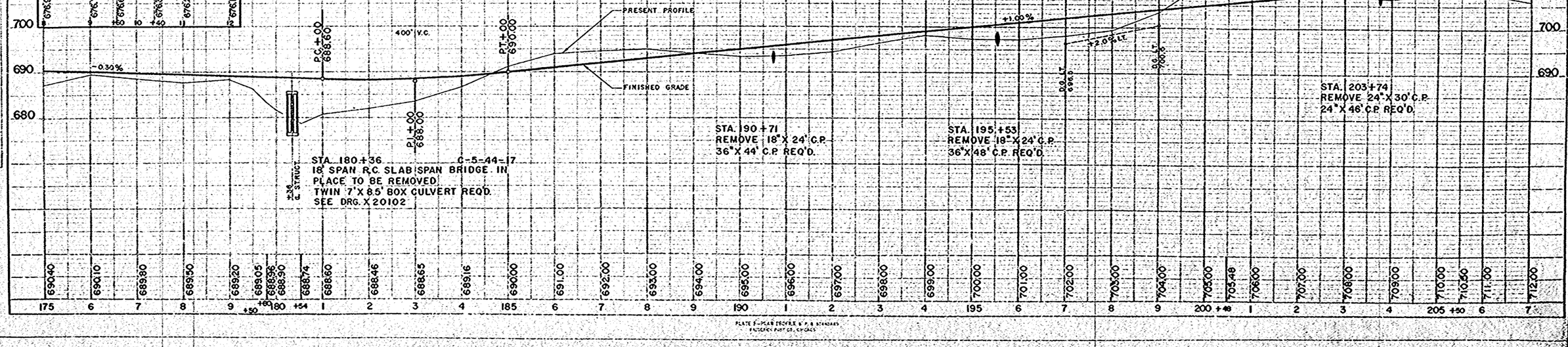
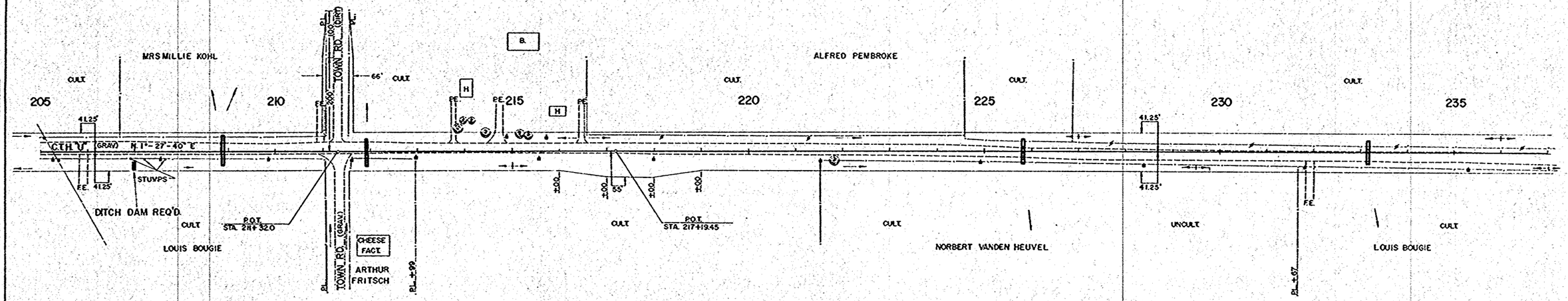


PLATE E-PLAN PROFILE B.P.R. STANDARDS
ENGINEERS PRINT CO., CHICAGO

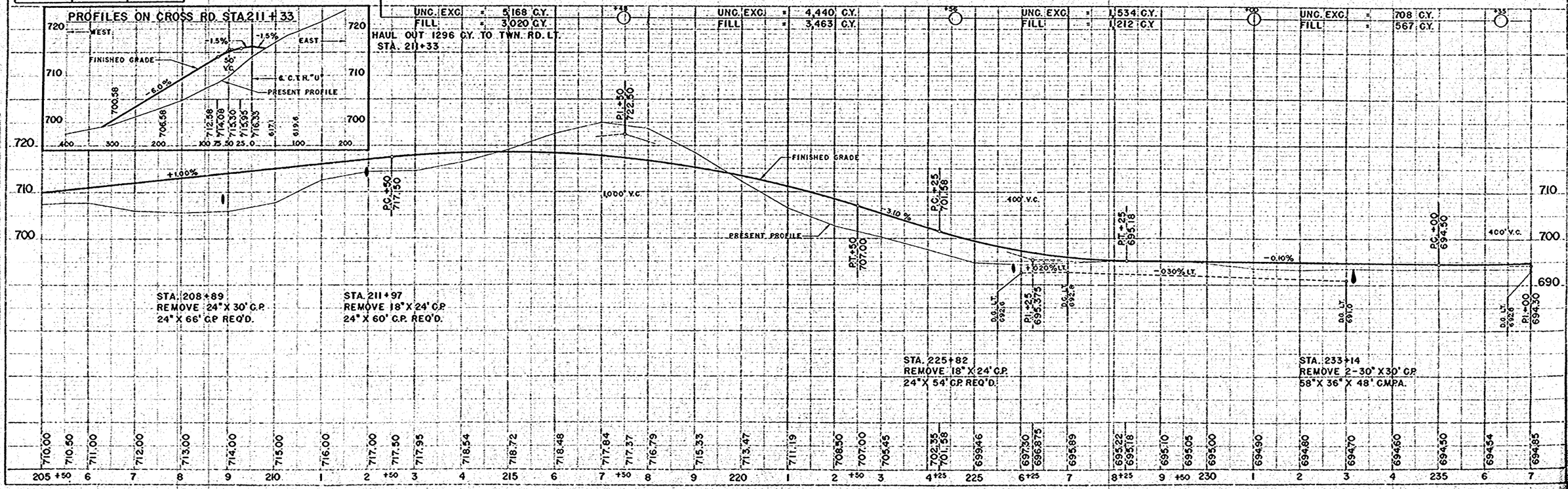
SHEET DESIGNATION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S 1422(11)	11	69

BENCH MARKS

NO.	STATION	DESCRIPTION		ELEV.
24	214+42	SPIKE IN 10" ASH	100' LT.	715.05
25.	221+25	" " TELE. POLE	35' LT.	706.61
26	230+75	" " TELE. POLE	27' LT.	693.89
27	237+75	" " 20" ELM	48' RT.	693.84



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



NOTE 1—PLAN PROFILE & P.S.I. STANDARD
FOR BEACH POST CO., CHICAGO

B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	SM22(1)	12	69

BENCH MARKS

NO.	STATION	DESCRIPTION		ELEV.
27	237+75	SPIKE IN 20" ELM	48' RT.	693.84
28	242+85	" " 10" MAPLE	42' LT.	701.07
29	252+95	" " 18" ELM	275' LT.	700.18
30	266+45	" " TELE. POLE	27' LT.	696.81

STA. 238+47 SD. RD. LT.
18" X 42' C.P. REQ'D.

CURVE NOTES

P.I. = 244+76.5
∠ = 178°-57'
Δ = 1°-03'
D = 0°-15'
T = 210.0'
L.C. = 420.0'
S.E. = NONE

ALFRED PEMBROKE
CULT
TOWN RD. (GRAV.)
UNCULT
UNCULT
OLD FOUND
P.C. STA. 242+655
B.
P.T. = STA. 246+865
EUGENE SITZMAN
CULT
CULT
JOHANNA BRISTOL
CULT
235
240
245
250
255
260
265
41.25'
41.25'
41.25'
C.T.H. "U" (GRAV.)
N. 1°-27'-40" E.
N. 0°-24'-40" E.
P.O.T. STA. 238+47.0
LOUIS BOUGIE
CULT
CULT
CULT
EUGENE SITZMAN
CULT
CULT
CONC. WATER TANK
WINDMILL
CULT
CULT
FRANCIS VANDEN HEUVEL
F.E.
F.E.
F.E.
F.E.
F.E.
F.E.
F.E.
+01 P.I.
+86 P.I.

NET LENGTH OF CENTERLINE

STATION TO STATION		LIN. FT.
235+00	265+00	3,000

UNC. EXC. = 2,269 C.Y.
FILL = 1,813 C.Y.

UNC. EXC. = 429 C.Y.
FILL = 343 C.Y.

UNC. EXC. = 621 C.Y.
FILL = 498 C.Y.

UNC. EXC. = 329 C.Y.
FILL = 264 C.Y.

UNC. EXC. = 1,972 C.Y.
FILL = 1,562 C.Y.

PROFILES ON SD. RD. LT. STA. 238+47

WEST — EAST
℄ CTH "U"
FINISHED GRADE
+0.21% -1.5%
PRESENT PROFILE
695
690
300 200 100 30 0
695.81
695.63
695.61

710
700
690
400' V.C.
P.C. +00 694.30
P.I. +00 694.30
P.T. +00 696.30
+1.00%
FINISHED GRADE
PRESENT PROFILE 400' V.C.
-0.4% LT.
-0.3% LT.
+0.3% LT.
06 LT. 693.2
06 LT. 692.8
06 LT. 692.5
06 LT. 693.0
P.C. +00 699.30
P.I. +00 701.30
P.T. +00 710.10
-0.10%
+0.10%
NO. V.C.
-0.10% LT. & RT.
+0.10% LT. & RT.
06 LT. 697.6
06 RT. 697.4
06 LT. 697.1
06 RT. 696.9
P.I. +00 700.30
06 LT. 699.1
06 RT. 699.0
P.C. +00 701.00
06 RT. 699.7
P.I. +00 701.20
06 LT. 699.0
P.T. +00 700.40
P.C. +80 699.00
-0.40%

STA. 238+99
REMOVE 24" X 32' C.P.
30" X 48' C.P. REQ'D.

STA. 253+81
REMOVE 18" X 30' C.P.
24" X 42' C.P. REQ'D.

STA. 266+88
REMOVE 2-30" X 30' C.P.
42" X 48' C.P. REQ'D.

694.50 694.54 694.85 694.44 696.30 697.30 698.30 699.30 700.16 700.75 701.06 701.10 701.00 700.90 700.80 700.70 700.60 700.50 700.40 700.30 700.40 700.50 700.60 700.70 700.80 700.90 701.00 701.04 700.95 700.74 700.40 700.00 699.80 699.63

235 6 7 8 9 240 1 2 3 4 245 6 7 8 9 250 1 2 3 4 255 6 7 8 9 260 1 2 3 4 265 6 150 7

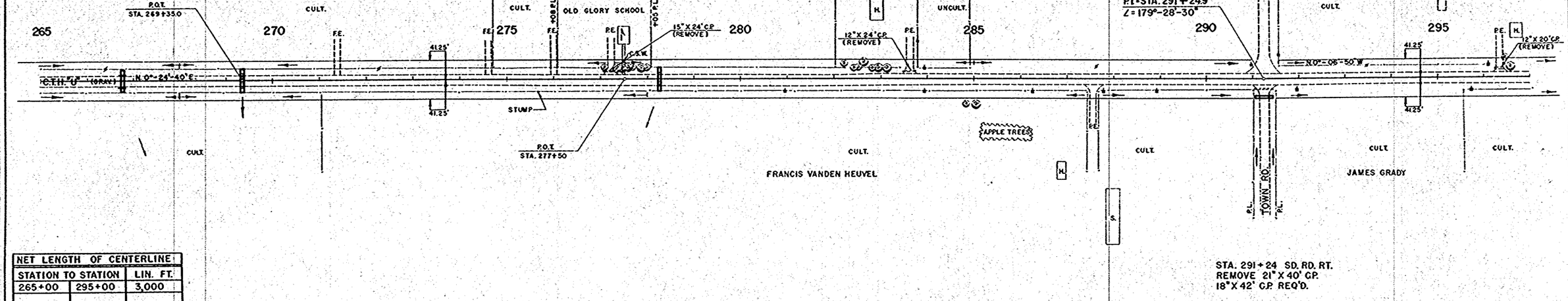
PLATE 1—PLAN PROFILE & P & E (FINAL)
T. SCHOLLE PLAT CO. DAYTON

PLAN: SURVEYED, PLOTTED, GRADES CALCULATED, NOTE BOOK, NO. 130
PROFILE: SURVEYED, PLOTTED, GRADES CALCULATED, NOTE BOOK, NO. 131

B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S 1422 (1)	13	69

BENCH MARKS

NO.	STATION	DESCRIPTION		ELEV.
30	266+45	SPIKE IN TELE. POLE	27'LT.	696.81
31	271+55	" " 12" THORNAPPLE	90'LT.	700.64
32	277+55	P.M. NE. COR. BOTT. STEP SCHOOL		702.34
33	287+00	SPIKE IN 20" OAK	150'RT.	709.05



NET LENGTH OF CENTERLINE		
STATION TO STATION		LIN. FT.
265+00	295+00	3,000

UNG. EXC. = 1,181 C.Y.
FILL = 947 C.Y.

UNG. EXC. = 610 C.Y.
FILL = 490 C.Y.

U.E. = 400 C.Y.
FILL = 318 C.Y.

UNG. EXC. = 1,428 C.Y.
FILL = 1,143 C.Y.

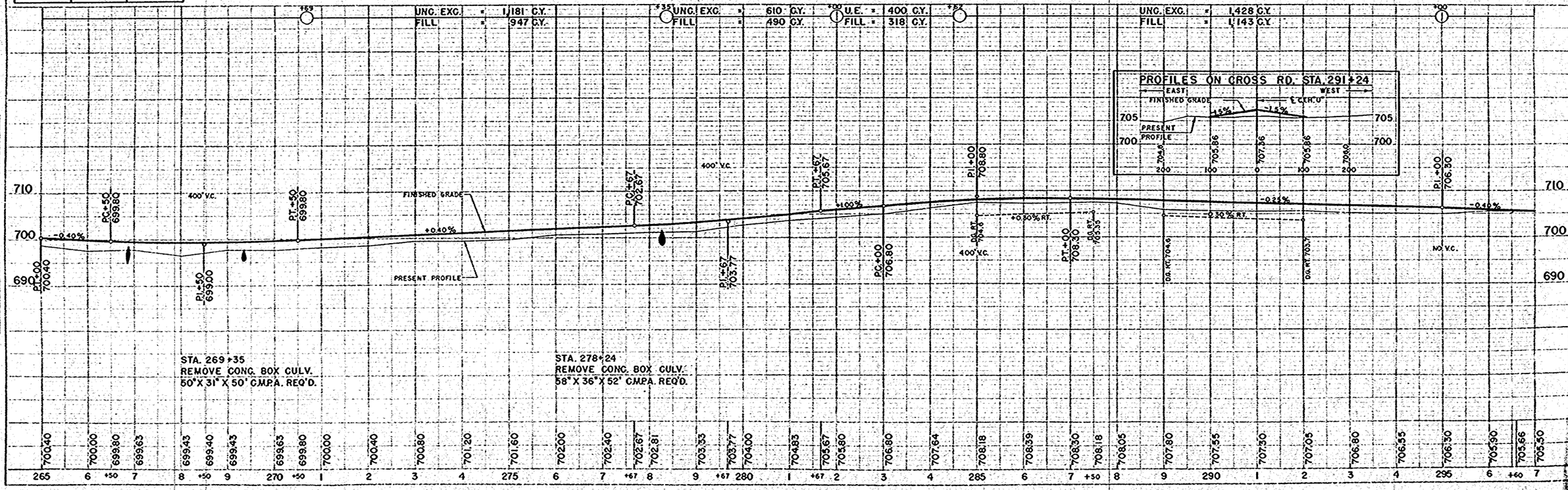
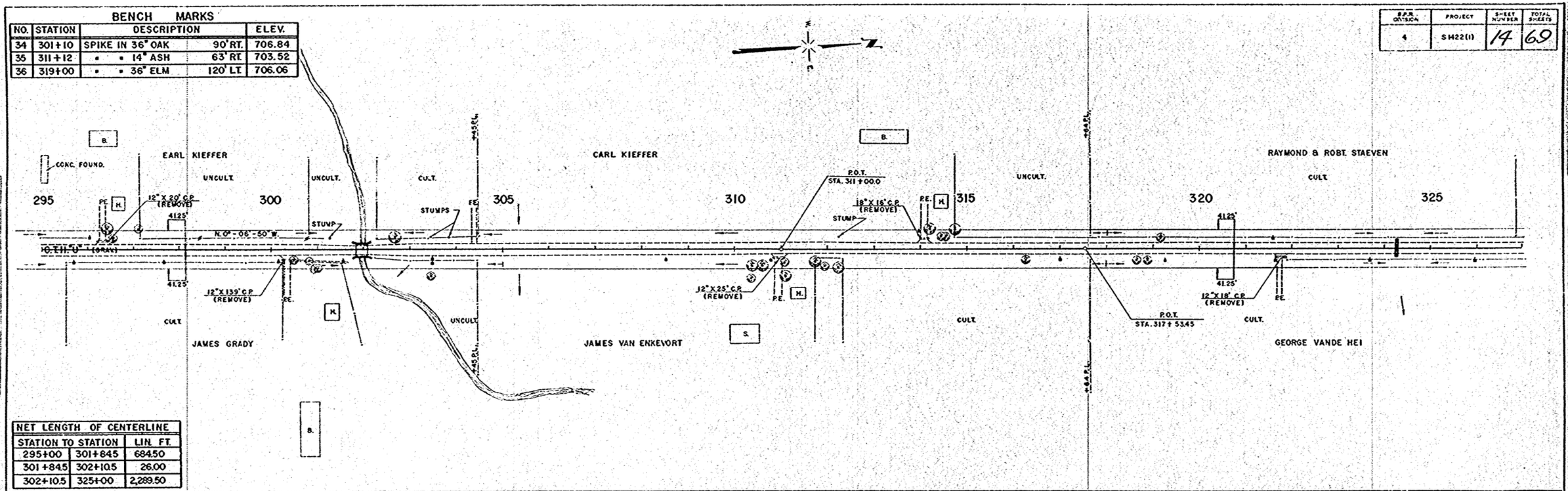


PLATE 1—PLAN PROFILE & P. & R. STANDARDS
FRANKLIN POST CO., CHICAGO

B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	SH22(1)	14	69

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
34	301+10	SPIKE IN 36" OAK 90' RT.	706.84
35	311+12	" " 14" ASH 63' RT.	703.52
36	319+00	" " 36" ELM 120' LT.	706.06



NET LENGTH OF CENTERLINE		
STATION TO STATION		LIN. FT.
295+00	301+845	684.50
301+845	302+10.5	26.00
302+10.5	325+00	2,289.50

UNC. EXC. = 865 C.Y.
FILL = 655 C.Y.
HAUL OUT 49 C.Y. TO STA. 300+00 - 302+33

U.E. = 522 C.Y.
FILL = 458 C.Y.
HAUL IN 49 C.Y. FROM STA. 295+00 - 300+00

UNC. EXC. = 2,604 C.Y.
FILL = 2,141 C.Y.

UNC. EXC. = 944 C.Y.
FILL = 775 C.Y.

UNC. EXC. = 349 C.Y.
FILL = 278 C.Y.

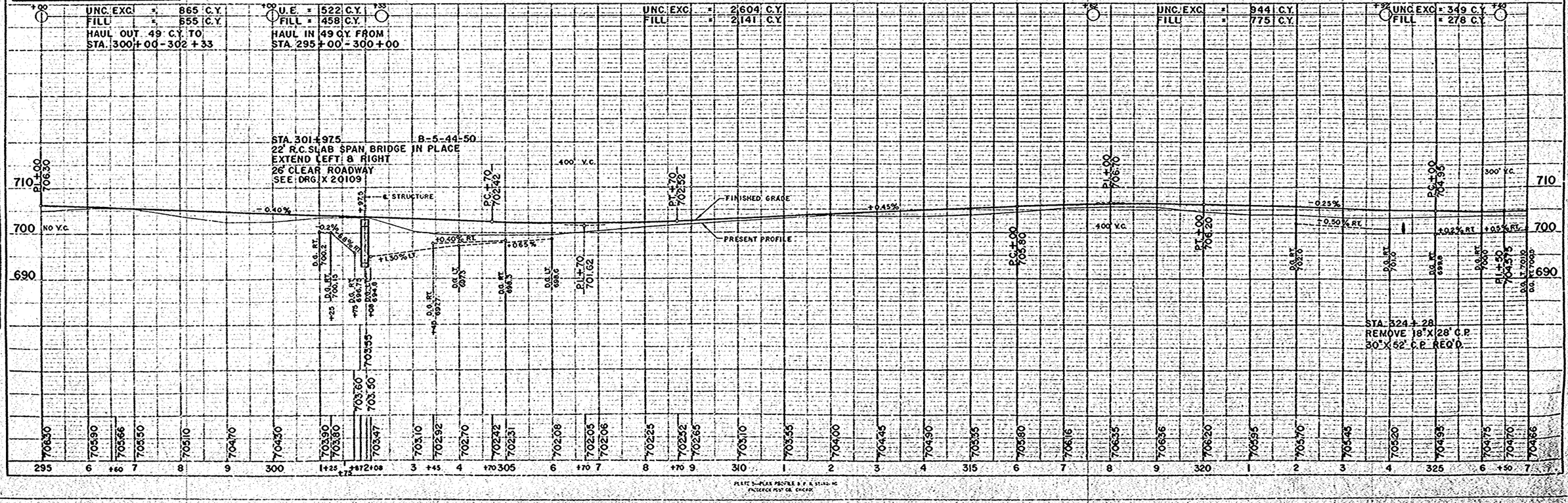
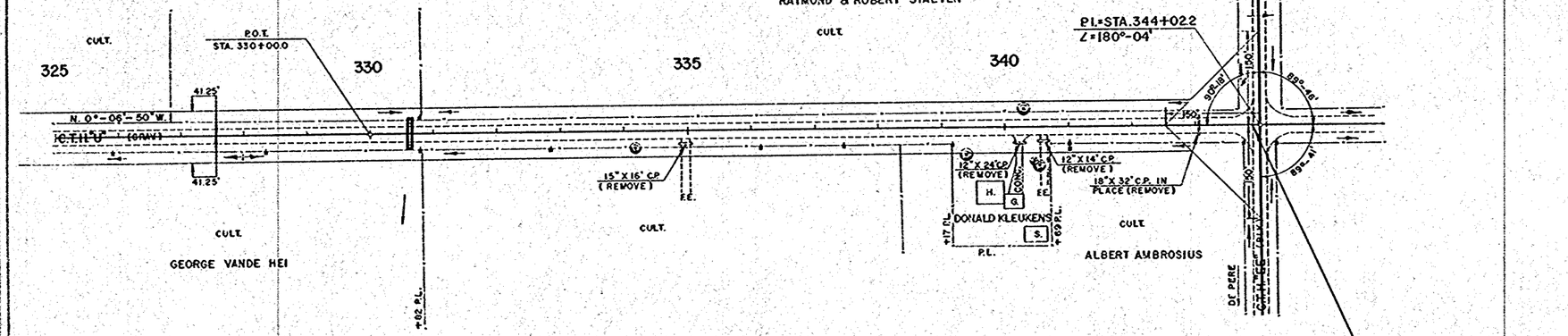


PLATE 5—PLAN PROFILE B. P. R. STANDARDS
FREDERICK POST CO. CHICAGO

BOOK OR SHEET	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S1422(1)	15	69

BENCH MARKS

NO.	STATION	DESCRIPTION		ELEV.
37	334+30	SPIKE IN TRIPLE 4" ELM	36'RT	705.05
38	340+12	" " 12" OAK	80'RT	707.30
39	344+32	" " TWIN 20" ELM	100'LT	705.65

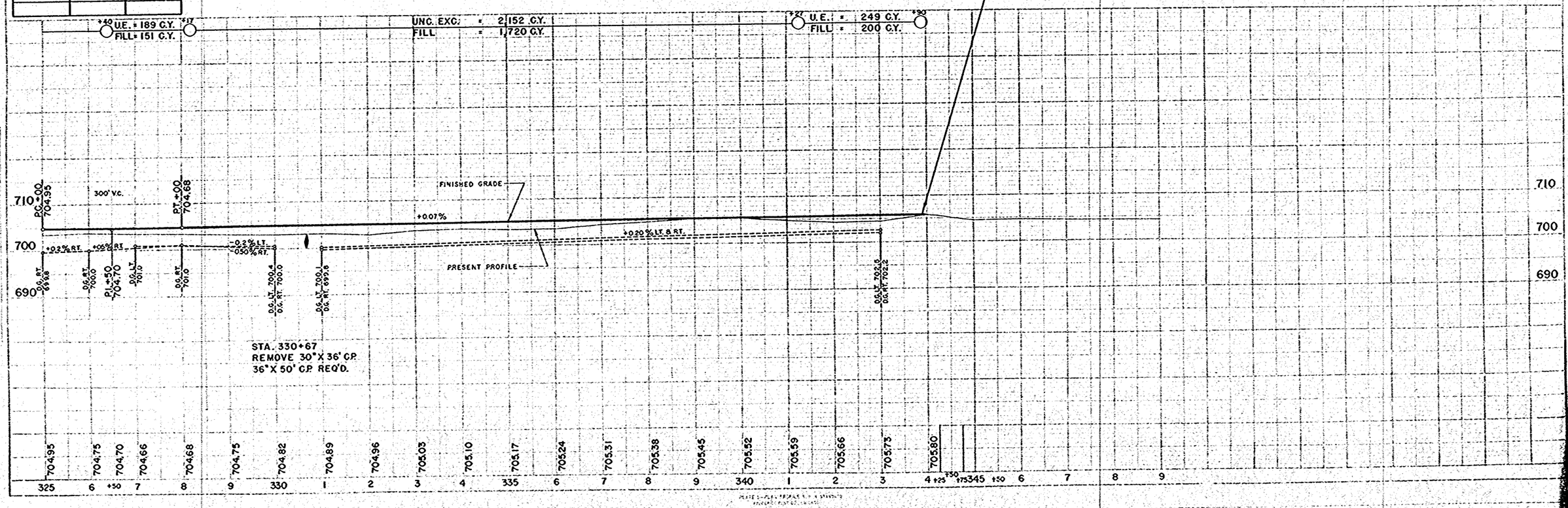


NET LENGTH OF CENTERLINE		
STATION TO STATION		LIN. FT.
325+00	343+90	1,890

+40 U.E. = 189 C.Y. +17
FILL = 151 C.Y.

UNC. EXC. = 2,152 C.Y.
FILL = 1,720 C.Y.

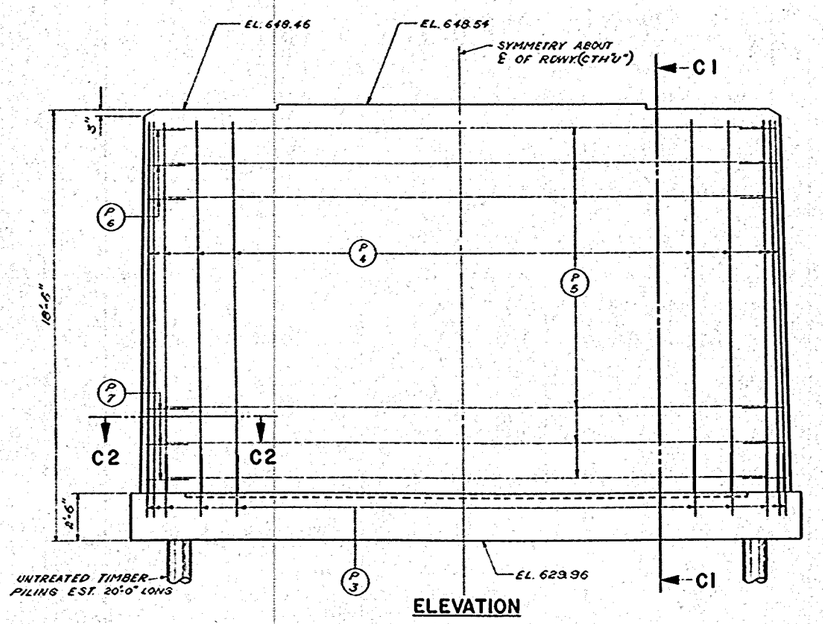
+27 U.E. = 249 C.Y. +90
FILL = 200 C.Y.



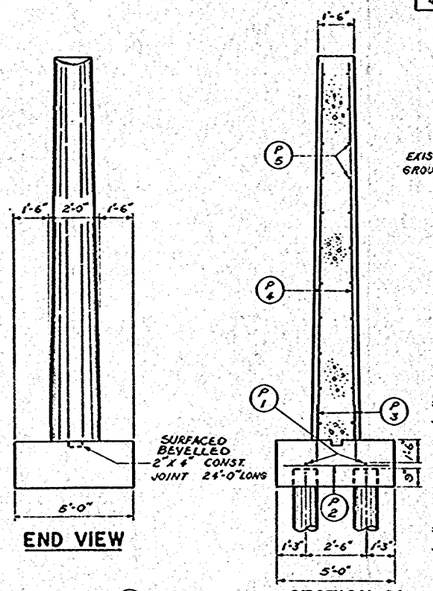
COUNTY & MILEAGE	ROUTE & SECTION	CLA'S & AGREEMENT STATE	CLA'S & AGREEMENT FEDERAL	B.P.R. DIVISION	PROJECT	SHEET NO.	TOTAL SHEETS
44.6	14220	3.7			91422(1)	25	69

BENCH MARK

NO.	STATION	DESCRIPTION		ELEV.
3	20+08	PT. M.K.N.E. COR. WINSWALL	14' LT.	646.61
4	24+92	SPIKE IN 14" ELM	20' RT.	663.37

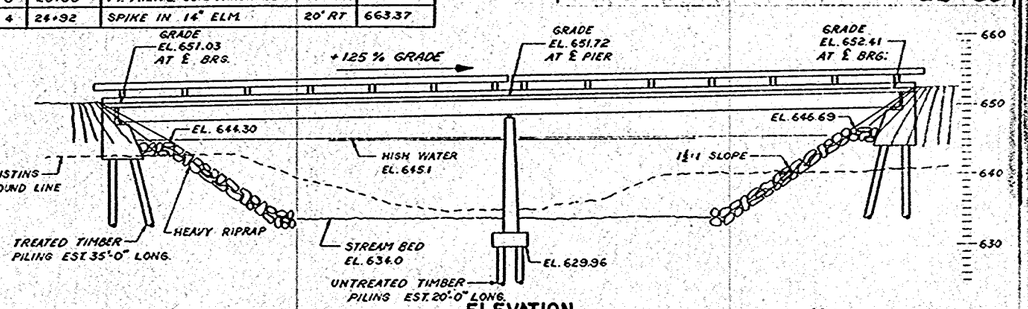


ELEVATION

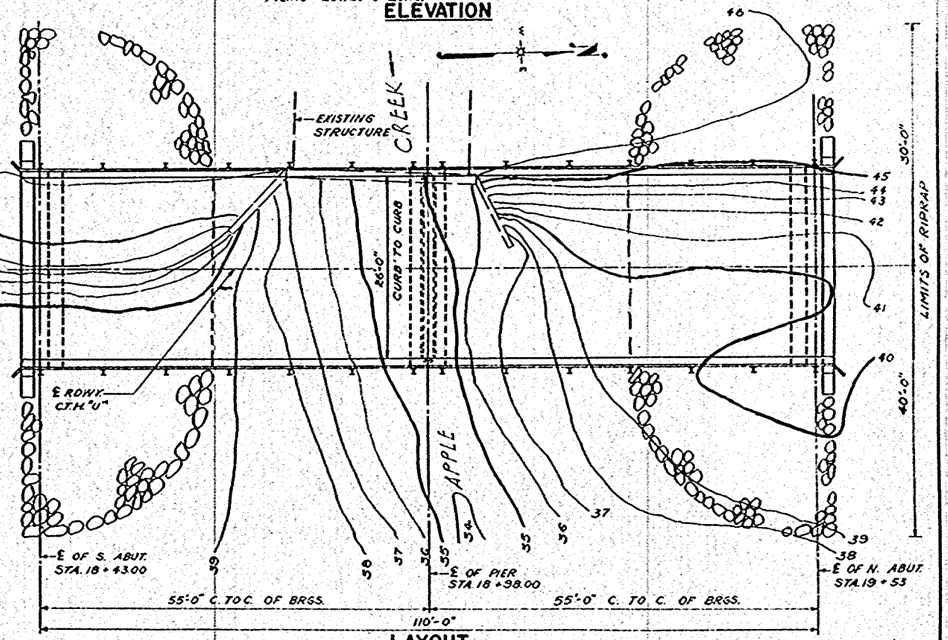


END VIEW

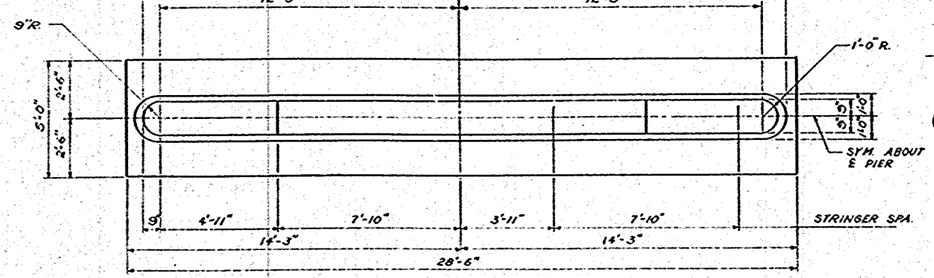
SECTION C1



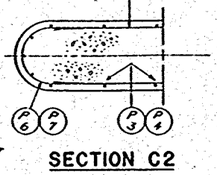
ELEVATION



LAYOUT



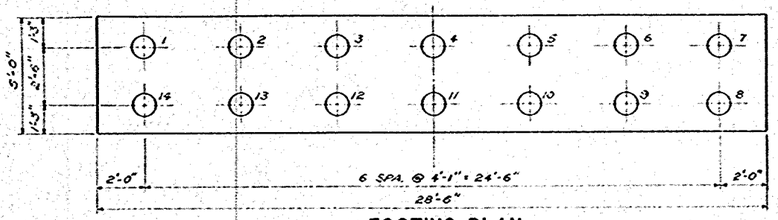
PLAN



GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.
CONCRETE MASONRY SHALL BE GRADE "A".
BEVEL EXPOSED EDGES OF CONCRETE 1" UNLESS OTHERWISE SHOWN OR SPECIFIED.
BAR STEEL REINFORCEMENT SHALL BE IMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.
THE USE OF STRUCTURAL GRADE BAR STEEL REINFORCEMENT IS PROHIBITED.
ALL SHOP AND FIELD CONNECTIONS SHALL BE MADE WITH ⅞" ϕ RIVETS OR HIGH TENSILE STRENGTH BOLTS.
PILINS FOR THE ABUTMENTS SHALL BE TREATED TIMBER PILINS 35'-0" LONG AND DRIVEN TO A MINIMUM BEARING VALUE OF 20 TONS PER PILE.
PILINS FOR THE PIER SHALL BE UNTREATED TIMBER PILING 15'-0" LONG AND DRIVEN TO A MINIMUM BEARING VALUE OF 20 TONS PER PILE.

THE TOP AND SLOPE OF THE BERM AT THE ABUTMENTS SHALL BE HEAVY RIPRAPPED AS SHOWN IN "SECTION A1" ON X20122 TO THE EXTENT SHOWN IN "LAYOUT". AFTER THE FILL IS IN PLACE, THE SLOPE OF THE FILL AROUND THE SIDES SHALL BE RIPRAPPED AS DIRECTED BY THE ENGINEER.

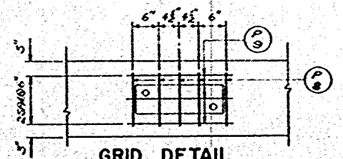


FOOTING PLAN

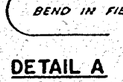
BILL OF BARS

DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT. (1450")

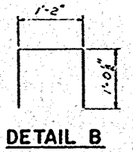
POUR	MARK	SIZE	NO.	LENGTH	SPACING	LOCATION	DET.
FOOTING	P1	4	2	28-0	SHOWN	TIE BARS	
	P2	4	29	4-6	1-0	HORIZONTAL	
	P3	5	42	3-0	1-6	VERTICAL IN BODY	
BODY	P4	5	42	15-9	1-6	VERTICAL IN BODY	
	P5	4	22	25-6	1-6	HORIZONTAL IN BODY	
	P6	4	10	4-3	1-6	" " NOSES	A
	P7	4	12	4-9	1-6	" " "	A
	P8	4	20	3-3	SHOWN	GRID	B
	P9	4	12	2-6	6	"	



GRID DETAIL



DETAIL A



DETAIL B

TOTAL ESTIMATED QUANTITIES

BID ITEMS	UNIT	SUPER	ABUT'S	PIER	TOTAL
REMOVING OLD BRIDGE	L.S.	---	---	---	1
EXCAVATION FOR STRUCTURES	C.Y.	---	17	50	67
CONCRETE MASONRY	C.Y.	83	70.6	41.2	194.8
BAR STEEL REINFORCEMENT	LB.	18,770	1,920	1,450	22,140
STRUCTURAL CARBON STEEL	LB.	54,500	---	---	54,500
LUBRICATED BRONZE PLATES	LB.	62	---	---	62
BEARINS PADS	S.F.	13	---	---	13
UNTREATED TIMBER TEST PILINS ℄ S.S. 18.30 *	L.S.	---	---	---	1
UNTREATED TIMBER PILINS - DELIVERED	L.F.	---	---	260	260
UNTREATED TIMBER PILINS - DRIVEN	L.F.	---	---	260	260
TREATED TIMBER PILING - DELIVERED	L.F.	---	560	---	560
TREATED TIMBER PILING - DRIVEN	L.F.	---	560	---	560
PILE SHOES	EACH	---	16	13	29
FLOOR DRAINS	EACH	4	---	---	4
STEEL RAILING	L.F.	236	---	---	236
HEAVY RIPRAP	C.Y.	---	300	---	300
NON-BID ITEMS					
FILLER	SIZE	1"	---	---	1"

* DRIVE ONE 50'-0" TEST PILE AT S. ABUT. AND ONE 35'-0" TEST PILE AT PIER.

LIST OF DRAWINGS

1. LAYOUT AND PIER ---- X 20121
2. SUPERSTRUCTURE ---- X 20122
3. SUPERSTRUCTURE ---- X 20123
4. ABUTMENTS ---- X 20124

STATE HIGHWAY COMMISSION OF WISCONSIN

LAYOUT & PIERS

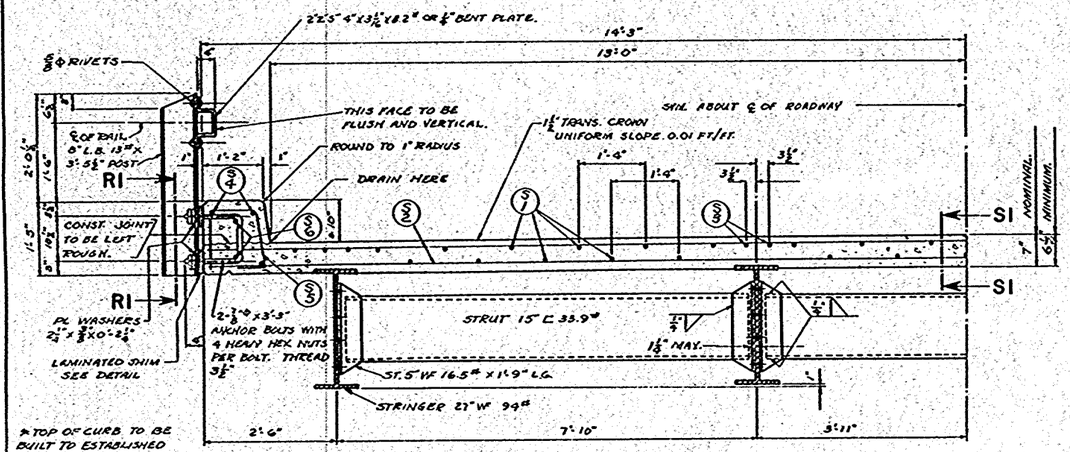
CO. BROWN OUTAGAMIE | PLACE WRIGHTSTOWN KAUKAUNA | STA. 18+38.00
SECTION 27 & 28 | T.N. 22N. | RANGE 19E.
SPECIFICATIONS AASHO.57 | LOADING H15 | DWG. 1957
DATE 5-22-59 | SCALE NO. | DRN. B.W. | CKD. E.L.L.
SUBMITTED H. B. Schultz, Secretary
APPROVED E. C. Rettiger, State Highway Engineer

STRUCTURE B-5/44-51 | SHEET 1 OF 4

X20121

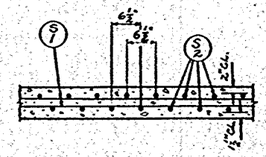
B.P.R. DIVISION	PROJECT	SHEET NO.	TOTAL SHEETS
4	5142211	26	69

NOTE: TOP AND BOTTOM TRANSVERSE BARS IN SLAB SHALL BE SUPPORTED BY CONTINUOUS BAR CHAIRS ON OR ADJACENT TO EACH STRINGER AND BY INDIVIDUAL BAR CHAIRS AT 3'0" CENTERS APPROXIMATELY MIDWAY BETWEEN STRINGERS.

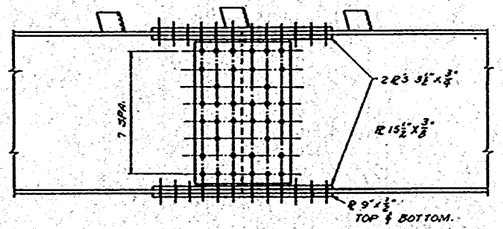


HALF CROSS SECTION THRU ROADWAY

* TOP OF CURB TO BE BUILT TO ESTABLISHED GRADE AFTER SPANS HAVE TAKEN DEAD LOAD DEFLECTION. THE 10" HEIGHT OF CURB IS TO BE MAINTAINED AT POINTS OF BEARING.



SECTION SI

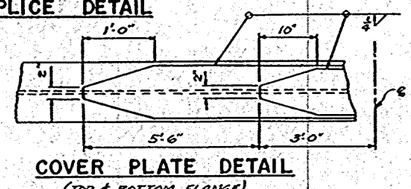


STRINGER SPLICE DETAIL

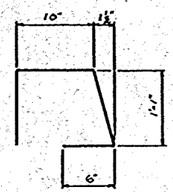
BILL OF BARS

DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT (18,770#)

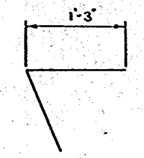
POUR	MARK	NO	SIZE	LENGTH	SPACING	LOCATION	DET.
ONE POUR	148	31	5	29-0	1-4	FLOOR - TOP & BOTTOM - LONG	
	414	52	5	28-0	6½	" " " " TRANS.	
	8	53	5	16-0	7	SYM. ABOUT ℄ OF PIERS	
	16	54	6	29-0	SHOWN	CURB - LONG.	
	224	55	5	3-6	1-0	"	A
	56	56	6	4-6	SHOWN	" - SYM. ABOUT ℄ POST.	
	6	57	4	7-3	SHOWN	CONC. DIAPHRAGM	
	32	58	5	2-6	1-6	" "	B
	16	59	4	6-6	SHOWN	END BLOCK - DO NOT LAP	



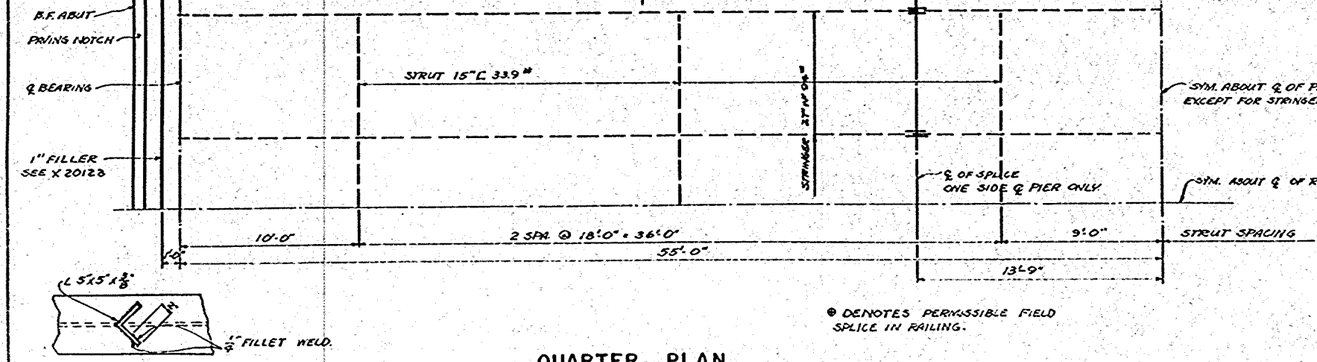
COVER PLATE DETAIL
(TOP & BOTTOM FLANGE)



DETAIL A



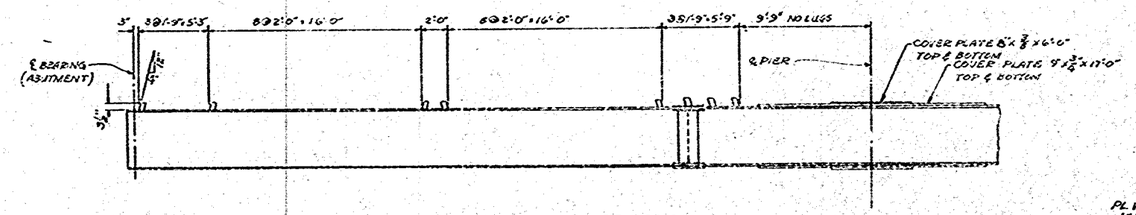
DETAIL B



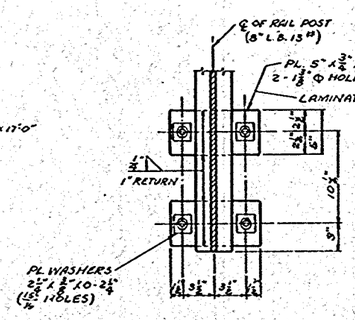
* DENOTES PERMISSIBLE FIELD SPLICE IN RAILING.

QUARTER PLAN

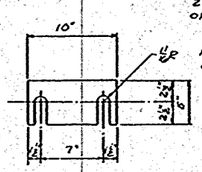
SHEAR LUG DETAIL



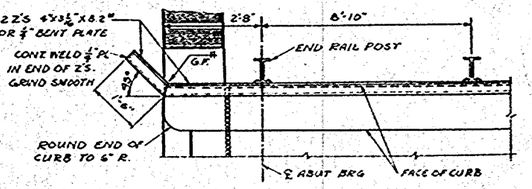
SHEAR LUG SPACING



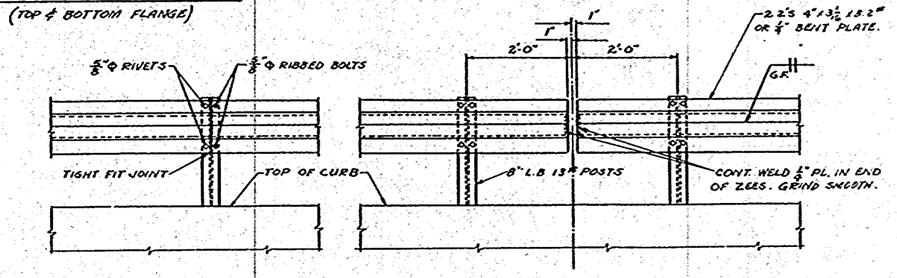
SECTION RI



LAMINATED SHIM



PART PLAN AT ABUTMENTS



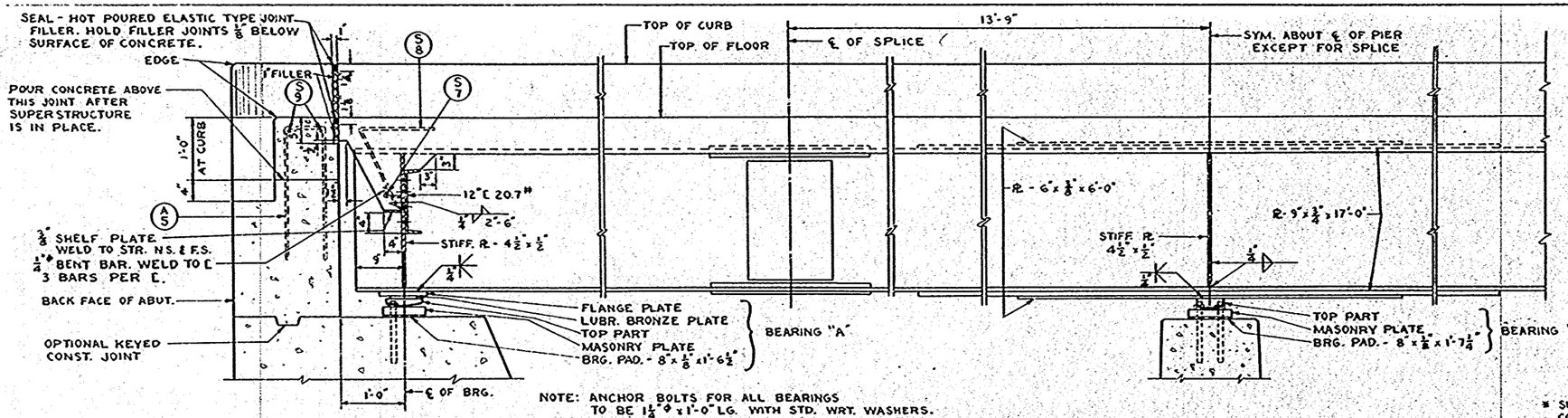
AT SPLICE AT PIER

RAILING DETAILS

	STATE HIGHWAY COMMISSION OF WISCONSIN		
	SUPERSTRUCTURE		
DESIGN SPEC. AASHO 1957	LOADING H 15	DATE 1957	
DATE 5-22-59	DESIGN N.G.	DRAWN L.L.J.	CHKD. H.C.L.
STRUCTURE B-5/44-51		SHEET 2 OF 4	

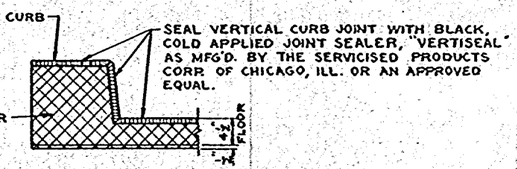
X 20122

R.P.P. DIVISION	PROJECT	SHEET NO.	TOTAL SHEETS
4	S1422(0)	27	69



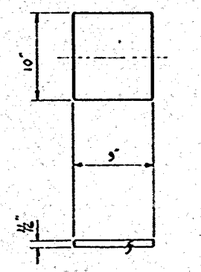
NOTE: ANCHOR BOLTS FOR ALL BEARINGS TO BE 1¼"ϕ x 1'-0" LG. WITH STD. WRT. WASHERS.

PART LONGITUDINAL SECTION

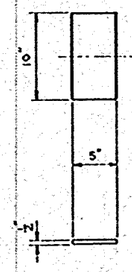


DETAIL AT ABUTMENTS

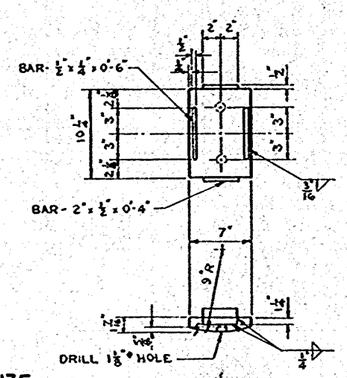
* SLAB THICKNESSES SHOWN ARE THEORETICAL AND MAY NEED TO BE CHANGED TO COMPENSATE FOR VARIATIONS IN STRINGERS AND OTHER CONSTRUCTION DISCREPANCIES. THE SLAB MAY BE REDUCED TO ½" LESS THAN THE NOMINAL BY DECREASING THE CONCRETE COVER ON THE TOP REINF. BARS FROM 2" TO 1½" TO COMPENSATE FOR VARIABLE FIELD CONDITIONS WHERE NECESSARY.



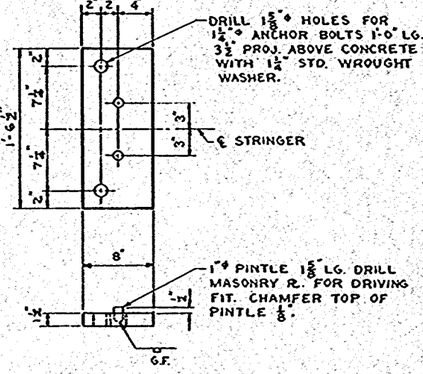
FLANGE PLATE



LUBR. BRONZE PLATE

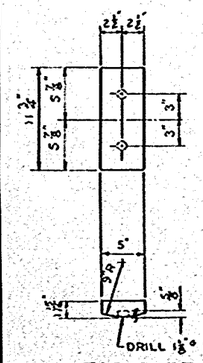


TOP PART

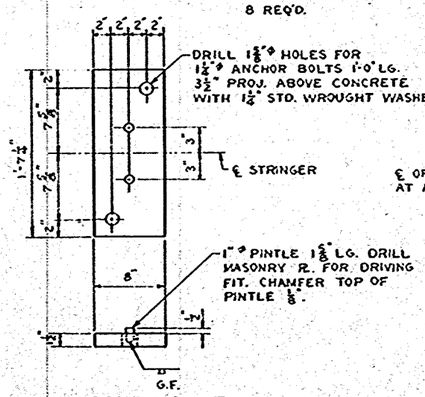


MASONRY PLATE

BEARING A
8 REQ'D.



TOP PART

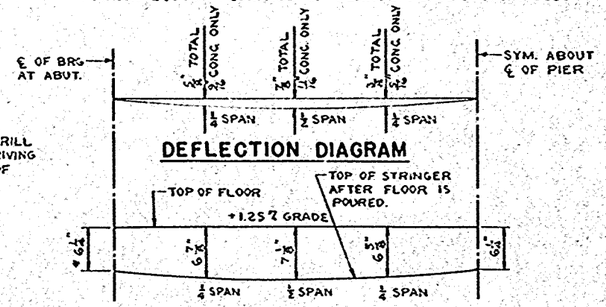


MASONRY PLATE

BEARING B
4 REQ'D.

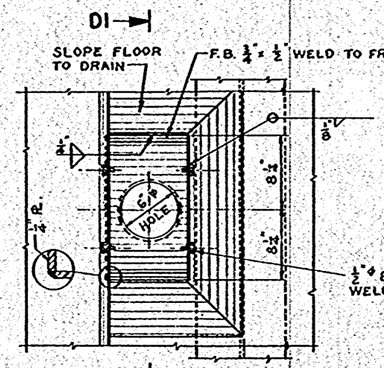
BEARING NOTES

ALL STRUCTURAL STEEL BEARING PLATES SHALL BE FLAT ROLLED STEEL PLATES WITH ALL SURFACES SMOOTH & FREE FROM WARP & ALL EDGES SMOOTH, STRAIGHT & VERTICAL.
ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUTS.
ALL SURFACES MARKED 'f' SHALL BE MACHINE FINISHED.
LUBRICATE TOP SURFACE ONLY OF BRONZE PLATES.
FINISH BOTTOM SURFACE OF FLANGE PLATES A.S.A. 125.

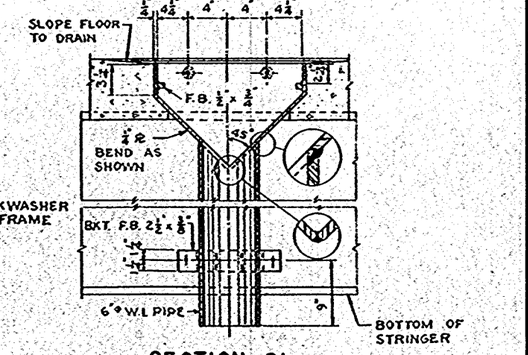


DEFLECTION DIAGRAM

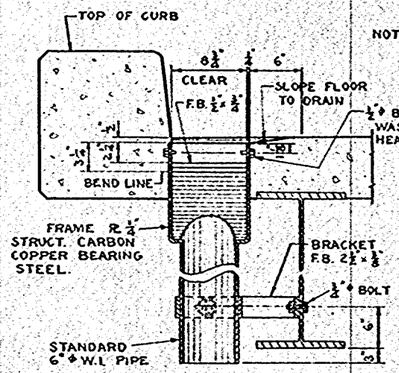
FORMING DIAGRAM



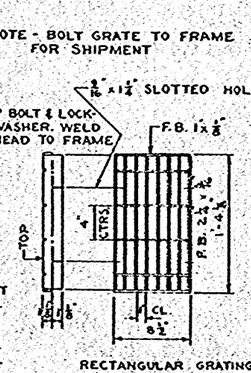
PLAN AT DRAIN



SECTION D1

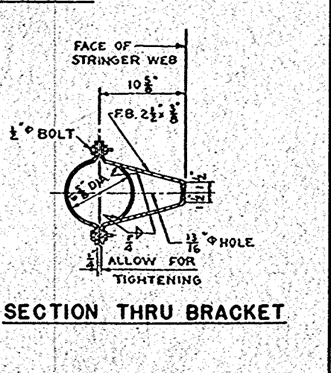


SECTION THRU DRAIN



GRATE

RECTANGULAR GRATING AS SPECIFIED OR EQUIV.



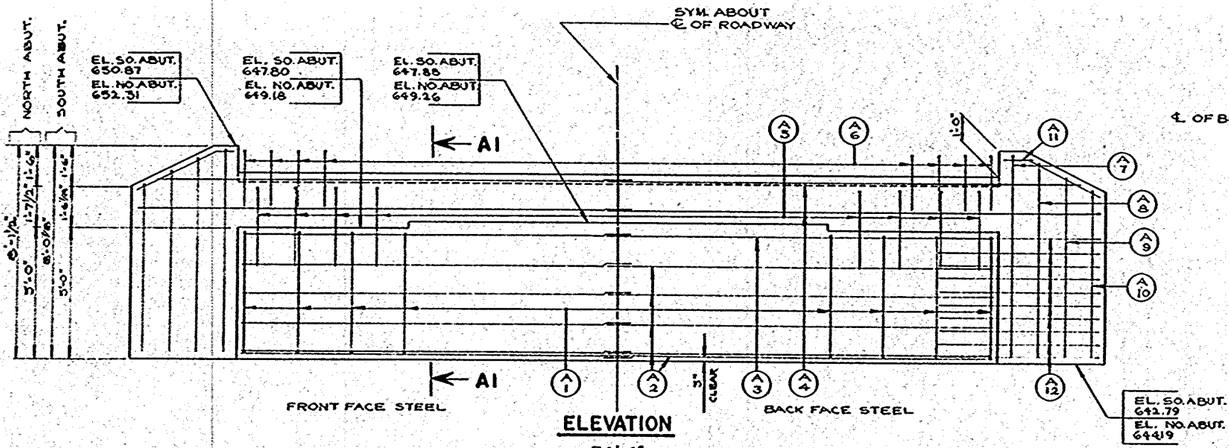
SECTION THRU BRACKET

DRAIN DETAILS
4 REQ'D.

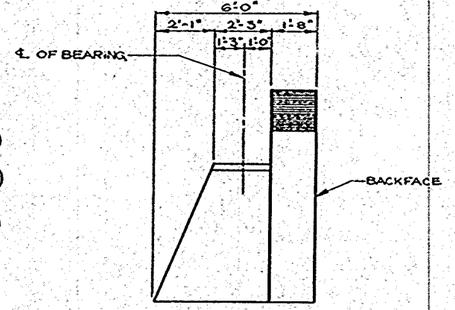
REVISED	STATE HIGHWAY COMMISSION OF WISCONSIN
	SUPERSTRUCTURE
DESIGN STD. A.A.S.H.O. '53	LOADING H15 SPEC. DATE 1957
DATE 5-22-57 DESIGN N.G.	DRAWN V.G.H. CHD. N.C.
STRUCTURE B-5/44 51	SHEET 3 OF 4

X20123

S.P.R. DIVISION	PROJECT	SHEET NO.	TOTAL SHEETS
4	5142261	28	69



ELEVATION

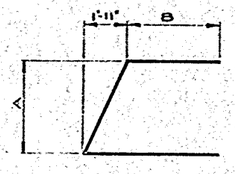


END VIEW

BILL OF BARS

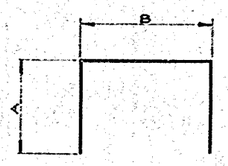
DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT. (1920')

POUR	MARK	NO.	SIZE	LENGTH	SPACING	LOCATION	DET
	A1	30	4	12-9"	2-0	VERTICAL BODY	A
	A2	28	4	14-6	SHOWN	HORIZONTAL "	
	A3	12	6	14-6	"	" "	
	A4	12	4	14-6	"	" PARAPET	
	A5	38	5	7-3	1-6	VERTICAL "	B
	A6	38	4	4-5	1-0	" "	B
	A7	4	4	18-9	"	WING - VERTICAL	B
	A8	4	4	18-0	"	" "	B
	A9	4	4	14-6	"	" "	B
	A10	4	4	14-0	"	" "	B
	A11	8	4	4-0	SHOWN	"	
	A12	40	5	6-0	6	" HORIZONTAL	
	A13	24	4	2-0	6	GRID	
	A14	32	4	3-6	6	"	C



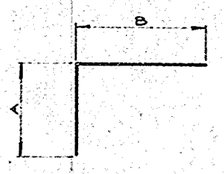
MARK	A	B
A1	4'-6½"	2'-7"

DETAIL A



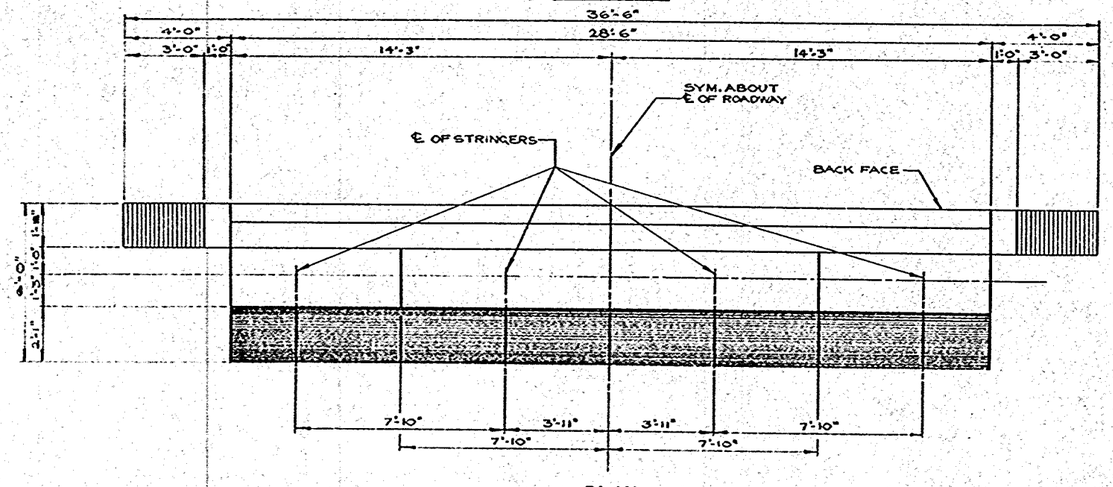
MARK	A	B
A5	3'-0"	1'-4"
A6	1'-11"	8"
A7	7'-8½"	1'-4"
A8	7'-4"	1'-4"
A9	6'-7"	1'-4"
A10	6'-4"	1'-4"

DETAIL B

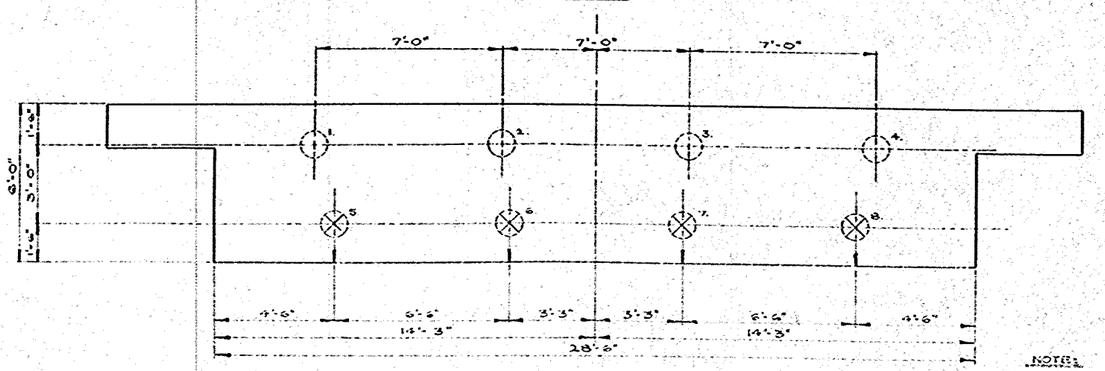


MARK	A	B
A14	1'-0"	2'-6"

DETAIL C

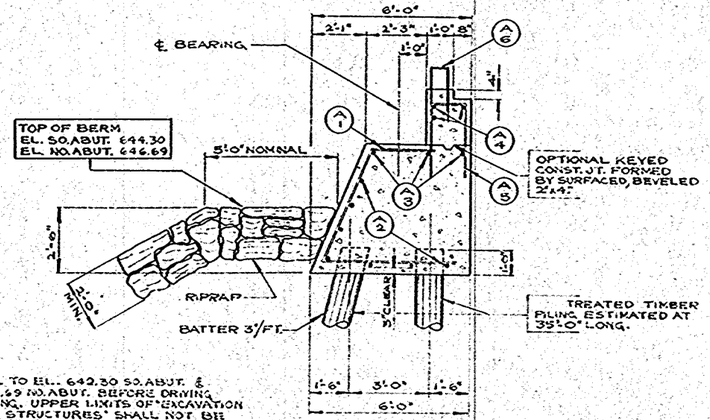


PLAN



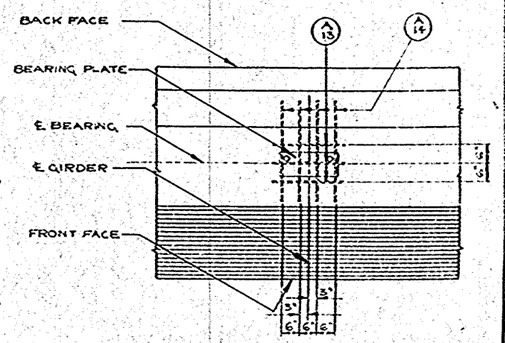
FOOTING PLAN

NOTE:
DENOTES BATTERED PILES 3"/FT. ARROWS INDICATE DIRECTION OF BATTER.



SECTION A1

NOTE:
FILL TO EL. 642.30 SO. ABUT. & 644.69 NO. ABUT. BEFORE DRIVING PILING. UPPER LIMITS OF "EXCAVATION FOR STRUCTURES" SHALL NOT BE HIGHER THAN THIS ELEVATION.



GRID DETAIL

STATE HIGHWAY COMMISSION OF WISCONSIN

ABUTMENTS

A.A.S.H.O. 1957 — HIS — COMP. 1957

DATE 5-22-57 — DESIGN A.I.C.C. — CHKD. EHN — TRACED [illegible]

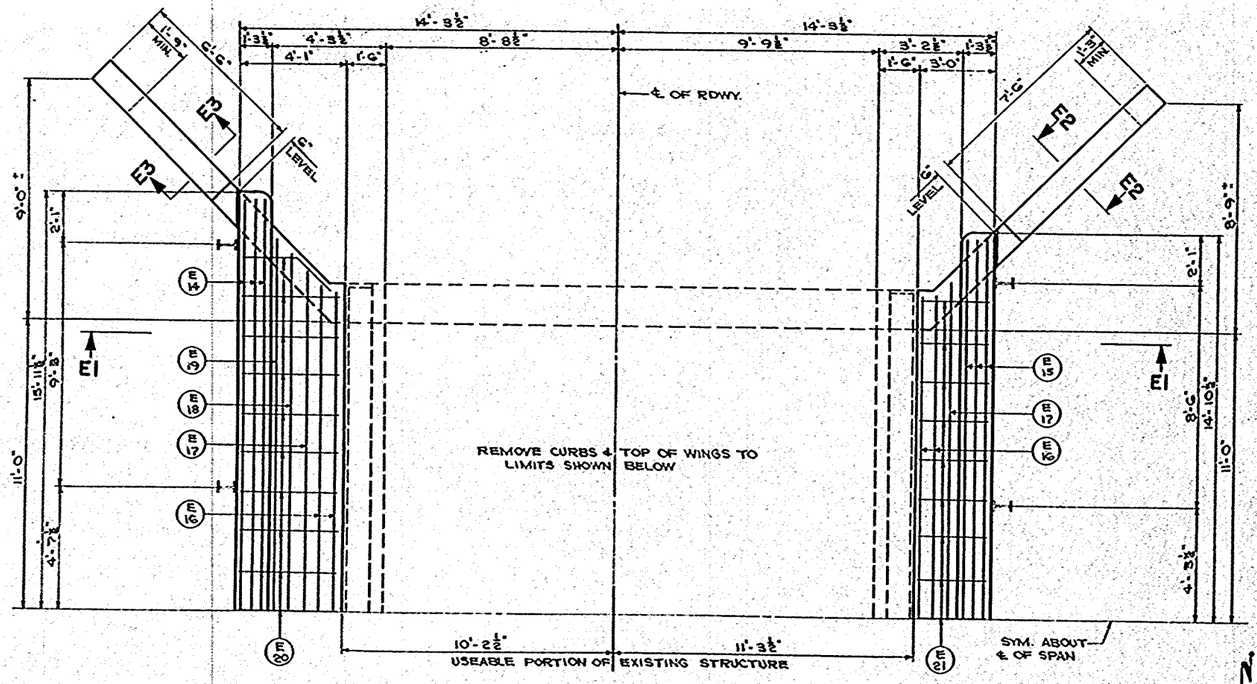
STRUCTURE B-5/44-51 — SHEET 4 OF 4

X 20124

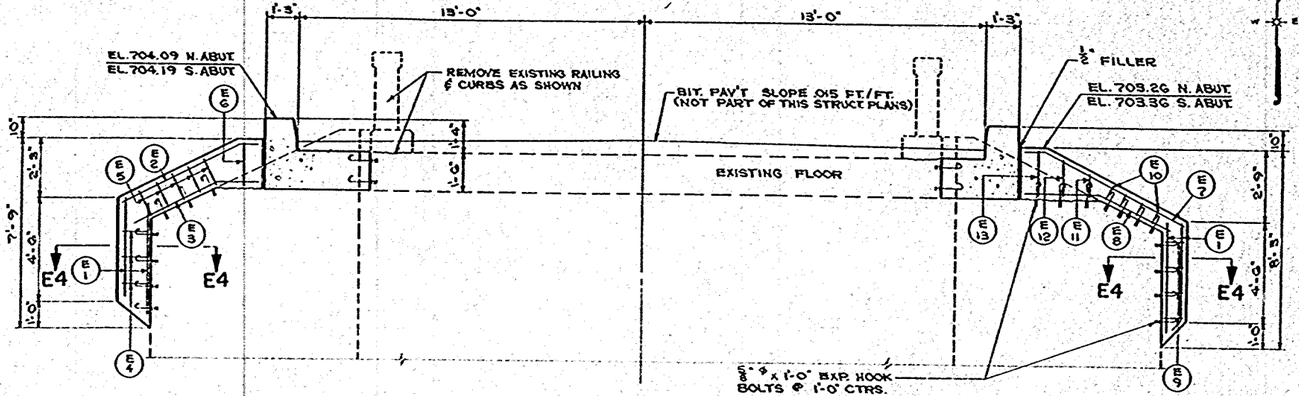
COUNTY & HIGHWAY	ROUTE & SECTION	CLASS & AGREEMENT STATE	CLASS & AGREEMENT FEDERAL	B.P.R. DIVISION	PROJECT	SHEET NO.	TOTAL SHEETS
44.6	1422.0	11.1		4	S 1422(1)	29	69

BENCH MARK

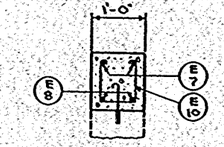
NO.	STATION	DESCRIPTION	ELEV.
34	301 + 10	SPIKE IN 36" OAK 90' RT.	706.84



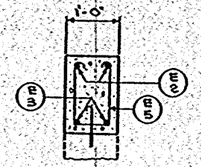
PLAN



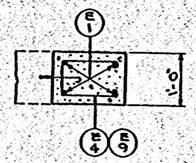
SECTION E1



SECTION E2



SECTION E3



SECTION E4

DETAIL	MARK	A	B
	E4	8"	1'-5"
	E5	8"	11"
	E6	8"	1'-6½"
B	E9	8"	11"
	E10	8"	9"
	E11	8"	1'-0½"
	E12	8"	1'-4½"
	E13	8"	1'-8"
A	E24	10"	2'-6"

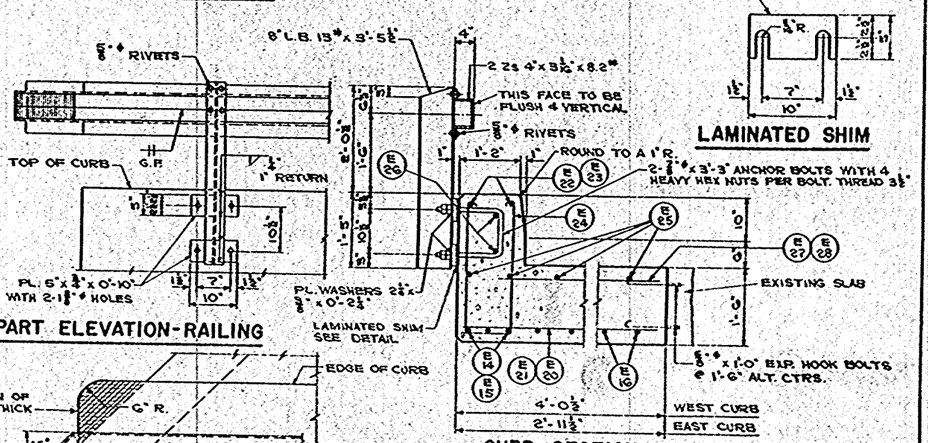
DETAIL A

BILL OF BARS

2,410 #

DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT.

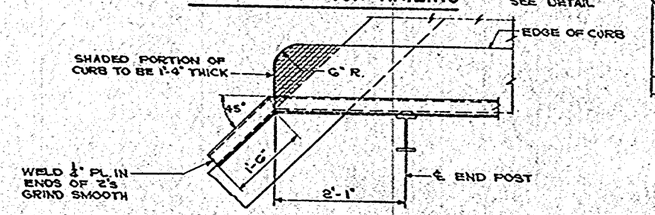
POUR	MARK	NO.	SIZE	LENGTH	SPACING	LOCATION	DET
ABUTMENTS	E1	16	4	4-3	SHOWN	VERT. - WINGS	
	E2	4	4	8-0	SHOWN	HORIZ. - WEST WINGS	
	E3	4	4	7-0	SHOWN	WEST WINGS	
	E4	6	4	4-0	1-0	" "	A
	E5	10	4	3-0	1-0	" "	A
	E6	2	4	4-3	SHOWN	" "	A
	E7	4	4	9-0	SHOWN	EAST WINGS - HORIZ.	
	E8	4	4	7-6	SHOWN	" "	
	E9	8	4	3-0	1-0	" "	A
	E10	8	4	2-9	1-0	" "	A
	E11	2	4	3-3	SHOWN	" "	A
	E12	2	4	4-0	SHOWN	" "	A
	E13	2	4	4-6	SHOWN	" "	A
SUPERSTRUCTURE	E14	3	9	31-6	SHOWN	LONGIT. - WEST CURB	
	E15	3	9	29-3	SHOWN	" EAST "	
	E16	4	9	24-6	SHOWN	" FLOOR	
	E17	2	9	25-9	SHOWN	" "	
	E18	1	9	27-0	SHOWN	" "	
	E19	1	9	28-6	SHOWN	" "	
	E20	37	5	3-6	10	TRANS. " WEST	
	E21	35	5	2-6	10	" " EAST	
	E22	2	6	31-6	SHOWN	LONGIT. - WEST CURB	
	E23	2	6	29-0	SHOWN	" EAST "	
	E24	57	4	6-6	1-8	TRANS. CURBS	A
	E25	8	4	24-6	SHOWN	LONGIT. - FLOOR TOP	
	E26	16	6	4-6	SHOWN	SYM. ABT. ℄ RAIL POST	
	E27	19	4	3-0	1-6	FLOOR TOP - TRANS.	
	E28	17	4	2-0	1-6	" "	



PART ELEVATION-RAILING

LAMINATED SHIM

CURB SECTION



PLAN AT END OF CURB

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

ALL CONCRETE MASONRY SHALL BE GRADE "AA"

BEVEL EXPOSED EDGES OF CONCRETE 1" UNLESS OTHERWISE SPECIFIED.

BAR STEEL REINFORCEMENT SHALL BE IMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE USE OF STRUCTURAL GRADE BAR STEEL REINFORCEMENT IS PROHIBITED.

ALL EXCAVATED VOLUME NOT OCCUPIED BY THE NEW WORK SHALL BE BACKFILLED WITH GRANULAR BACKFILL TO THE ORIGINAL GROUND LINE. PAYMENT WILL BE MADE ONLY FOR MATERIAL ACTUALLY PLACED WITHIN THE LIMITS SPECIFIED FOR "EXCAVATION FOR STRUCTURES."

TOTAL ESTIMATED QUANTITIES

BID ITEMS	UNIT	SUPRR.	ABUT'S.	TOTAL
EXCAVATION FOR STRUCTURES	C.Y.	——	20	20
GRANULAR BACKFILL	C.Y.	——	10	10
CONCRETE MASONRY	C.Y.	14.4	2.8	17.2
BAR STEEL REINFORCEMENT	LB.	2,190	220	2,410
STEEL RAILING	LF.	68	——	68
NON-BID ITEMS				
FILLER	SIZE	½"	——	½"
⅝" ϕ EXP. HOOK BOLTS	REQ'D	66	36	102

STATE HIGHWAY COMMISSION OF WISCONSIN

DETAILS

OUTAGAMIE — ONEIDA — 301 + 97.50
BROWN — HOBART
27 ℄ 28 — T 23 N — R 19 E
AASHO '57 — H15 — 1957
5-21-59 — T.H.R. — J.G.K. — TML

N. B. Schultz
STATE BRIDGE ENGINEER

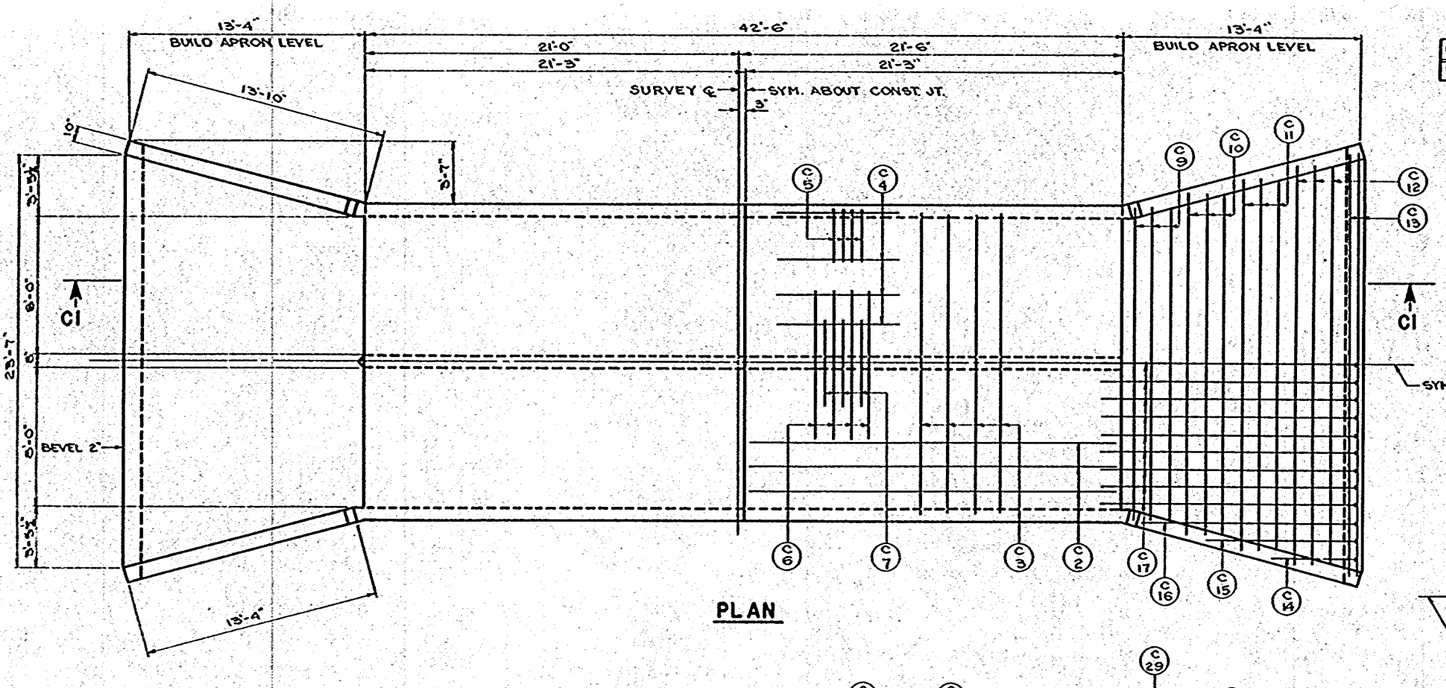
STRUCTURE B - 5 / 44-50 SHEET 1 OF 1

X20109

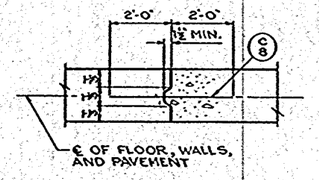
COUNTY & HIGHWAY	ROUTE & SECTION	CLASS & ASSIGNMENT STATE	CLASS & ASSIGNMENT FEDERAL	B.P.R. DIVISION	PROJECT	SHEET NO.	TOTAL SHEETS
44.6	1422.0	3,7		4	S1422(1)	30	69

BENCH MARK

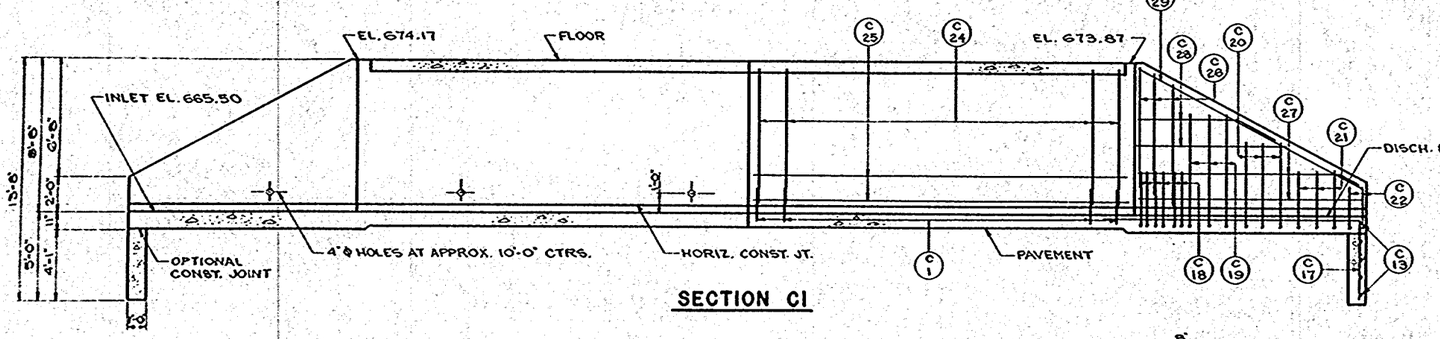
NO.	STATION	DESCRIPTION	ELEV.
15	127+88	SPIKE IN 20" BOX ELDER 75' LT.	681.37



PLAN



VERT. CONST. JOINT



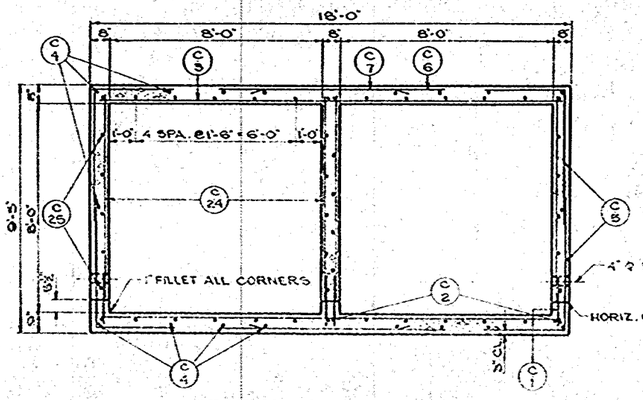
SECTION C1

BILL OF BARS

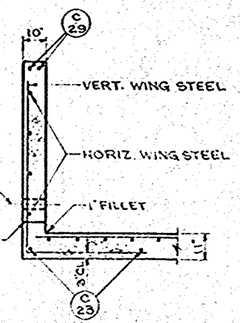
10,830#

DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT

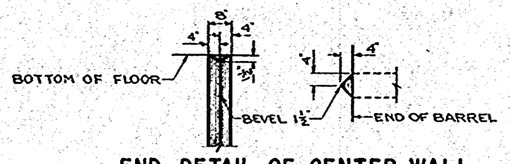
POUR	MARK	NO.	SIZE	LENGTH	SPACING	LOCATION	DET.
PAVEMENT, APRONS, AND CUTOFF WALLS	C1	112	4	2-0	1-6	WALLS DOWELS	
	C2	28	4	21-0	1-6	PAVEMENT	
	C3	84	5	17-6	6	"	
	C4	16	4	21-0	SHOWN	" TIE BARS	
	C5	168	4	8-0	6	" AND WALLS	A
	C6	42	5	8-6	1-0	" SYM. ABOUT ℄ CTR. WALL	
	C7	40	6	5-0	1-0	" " " " " "	
	C8	18	5	4-0	1-0	VERT. CONST. JT. PAVEMENT	
	C9	6	4	18-0	1-0	APRONS	
	C10	6	4	19-9	1-0	"	
	C11	6	4	21-3	1-0	"	
	C12	6	4	23-0	1-0	"	
	C13	12	4	23-6	1-0	" AND CUTOFF WALLS	A
	C14	4	4	9-9	1-0	" " " "	A
	C15	4	4	13-6	1-0	" " " "	A
	C16	4	4	17-3	1-0	" " " "	A
	C17	34	4	19-0	1-0	" " " "	A
	C18	24	4	7-9	1-0	WINGS VERT.	A
	C19	12	4	11-3	1-0	" "	A
	C20	12	4	9-9	1-0	" "	A
	C21	12	4	8-0	1-0	" "	A
	C22	8	4	7-0	1-0	" "	A
	C23	8	4	13-6	SHOWN	" TIE BARS	
FLOOR, WALLS, AND WINGS	C2	28	4	21-0	1-6	FLOOR	
	C3	84	5	17-6	6	"	
	C4	20	4	21-0	SHOWN	" AND WALLS TIE BARS	
	C5	168	4	8-0	6	" " "	A
	C6	42	5	8-6	1-0	" SYM. ABOUT ℄ CTR. WALL	
	C7	40	6	5-0	1-0	" " " " " "	
	C8	42	5	4-0	1-0	VERT. CONST. JT. FLOOR AND WALLS	
	C24	112	4	7-9	1-6	WALLS VERT.	
	C25	38	4	21-0	1-6	" HORIZ.	
	C26	12	4	6-9	1-0	WINGS VERT.	
	C27	8	4	13-0	1-6	" HORIZ.	
	C28	8	4	9-0	1-6	" "	
	C29	8	5	14-9	SHOWN	" TIE BARS TOP	



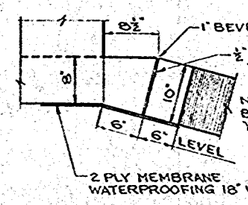
SECTION THRU BARREL



SECTION THRU WING



END DETAIL OF CENTER WALL



CORNER DETAIL

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

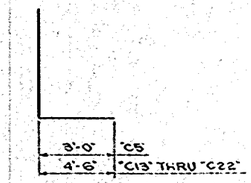
ALL CONCRETE MASONRY SHALL BE GRADE "AA".

BEVEL EXPOSED EDGES OF CONCRETE 1" UNLESS OTHERWISE SPECIFIED.

BAR STEEL REINFORCEMENT SHALL BE IMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE USE OF STRUCTURAL GRADE BAR STEEL REINFORCEMENT IS PROHIBITED.

EXCAVATED VOLUME NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH GRANULAR BACKFILL TO THE ORIGINAL GROUND LINE. PAYMENT WILL BE MADE ONLY FOR MATERIAL ACTUALLY PLACED WITHIN THE LIMITS SPECIFIED FOR "EXCAVATION FOR STRUCTURES."



DETAIL A

ESTIMATED QUANTITIES

BID ITEMS

EXCAVATION FOR STRUCTURES	130 C.Y.
GRANULAR BACKFILL	40 C.Y.
CONCRETE MASONRY	102.5C.Y.
BAR STEEL REINFORCEMENT	10,830 LBS.

NON-BID ITEMS

2 PLY MEMBRANE WATERPROOFING	57 S.F.
FILLER	½"

DESIGNED FOR 8'-0" OF FILL

STATE HIGHWAY COMMISSION OF WISCONSIN

DETAILS

OUTAGAMIE — BROWN	KAUKAUNA — LAWRENCE	12.5 + 19.00
15 & 16	22 N	19 E
AASHO ST.	H15	1957
5-19-59	J.B.	Aug. M.

N. B. Schultz

E. C. Rustigan

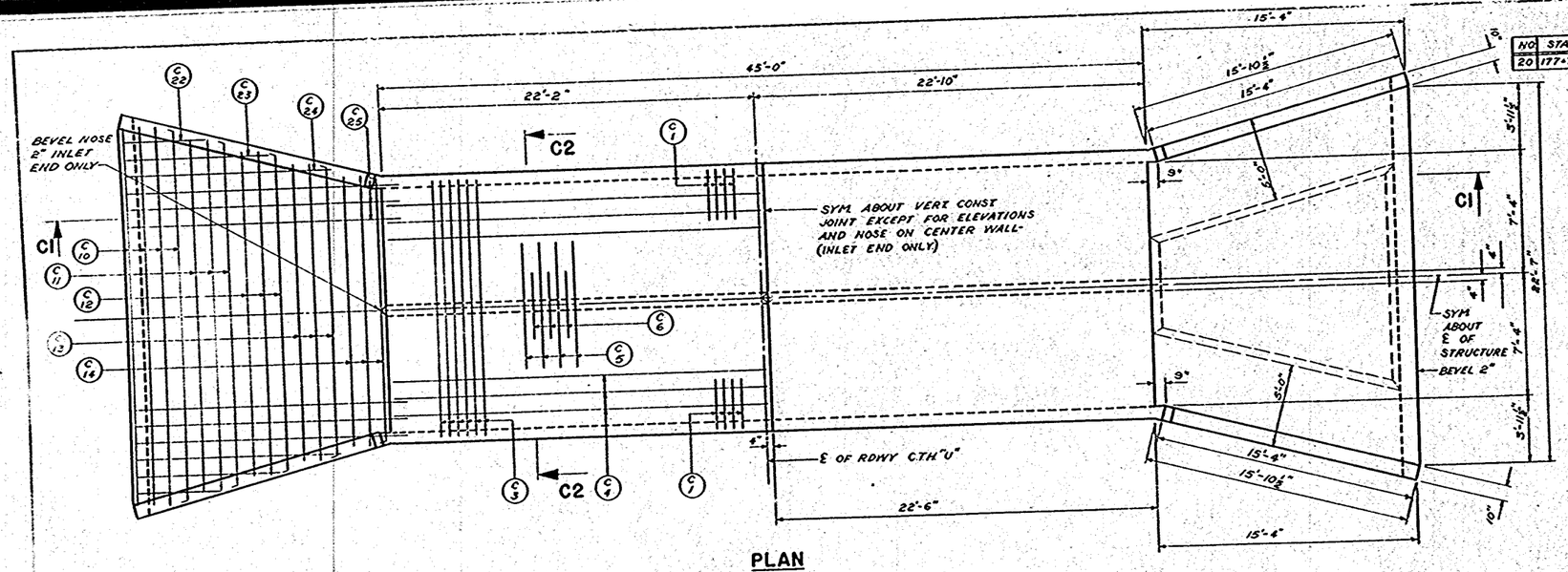
STRUCTURE C-5/44-55 | SHEET 1 OF 1

X 20105

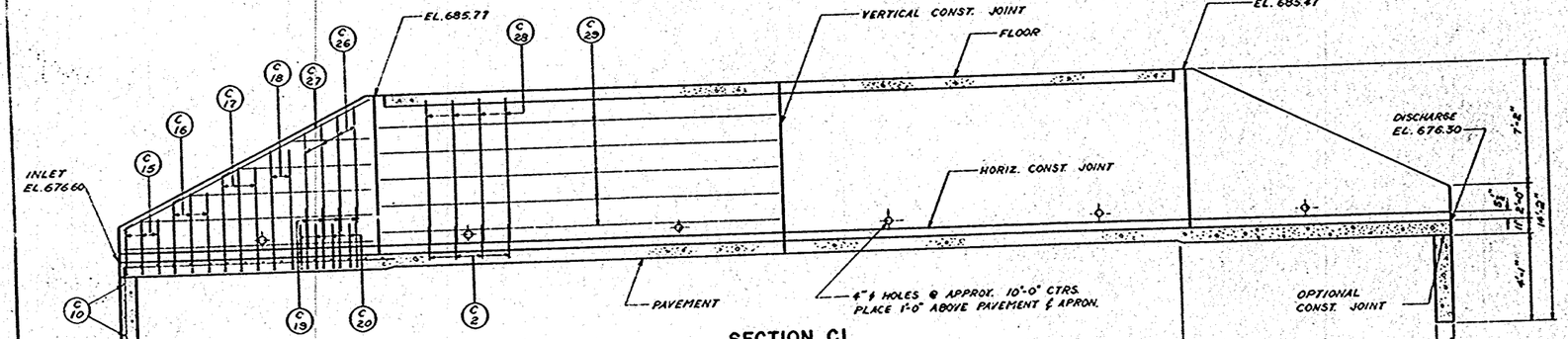
COUNTY & HIGHWAY	ROUTE & SECTION	CLASS & AGREEMENT STATE	CLASS & AGREEMENT FEDERAL	F.A.P. OR BOOK	PROJECT	SHEET NO.	TOTAL SHEETS
44.6	1422.0		11.1	4	51422(1)	31	69

BENCH MARK

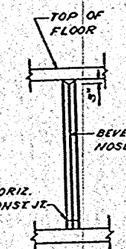
NO	STA.	DESCRIPTION	ELEV.
20	177+75.0	SPIKE IN 30" OAK 66'RT.	687.55



PLAN



SECTION C1



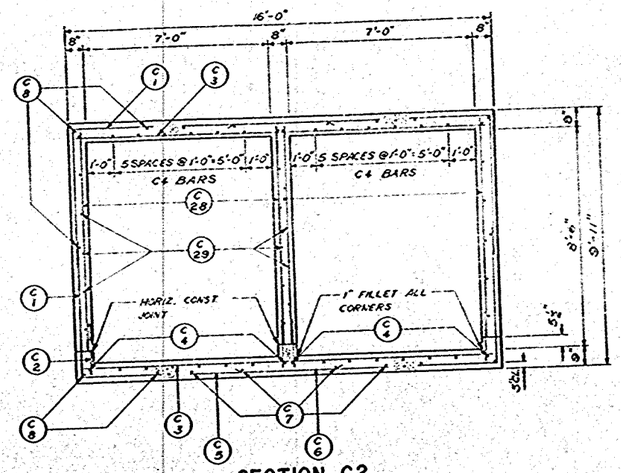
END VIEW OF CENTER WALL

BILL OF BARS

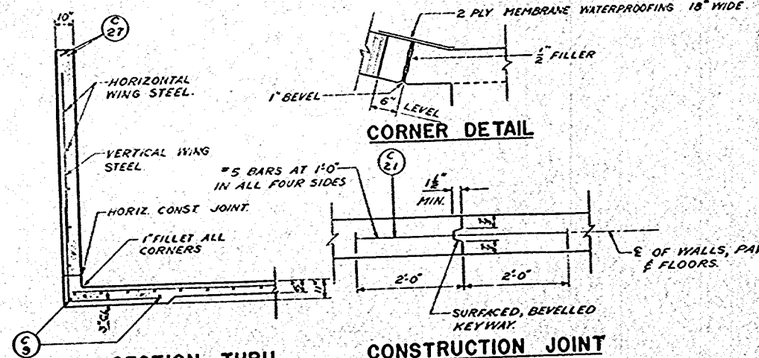
DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT.

11,160 #

POUR	MARK	NO.	SIZE	LENGTH	SPACING	LOCATION	DET.
PAVEMENT & APRON	C1	180	4	8-3	6	PAVEMENT – CORNERS	A
	C2	120	4	2-0	1-6	"	
	C3	90	5	15-6	6	"	
	C4	32	4	22-0	1-0	"	
	C5	45	5	7-6	1-0	"	
	C6	45	6	4-0	1-0	"	
	C7	8	4	22-0	SHOWN	"	
	C8	8	4	22-0	"	"	
	C9	8	4	15-9	"	APRON	
	C10	16	4	22-6	1-0	"	
	C11	6	4	21-0	"	"	
	C12	6	4	15-6	"	"	
	C13	6	4	18-0	"	"	
	C14	6	4	16-6	"	"	
	C15	12	4	7-9	"	WINGS	A
	C16	12	4	9-3	"	"	A
	C17	12	4	10-6	"	"	A
	C18	8	4	11-6	"	"	A
	C19	16	4	8-3	"	"	A
	C20	16	5	8-0	"	"	
	C21	16	5	4-0	"	CONST. JOINT	A
	C22	4	4	9-3	"	APRON	A
	C23	4	4	13-3	"	"	A
	C24	4	4	17-0	"	"	A
	C25	32	4	21-0	"	"	A
SIDES, FLOOR & WINGS	C1	180	4	8-3	6	FLOOR – CORNERS	A
	C3	90	5	15-6	6	"	
	C4	32	4	22-0	1-0	"	
	C5	45	5	7-6	"	"	
	C6	45	6	4-0	"	"	
	C7	8	4	22-0	SHOWN	"	
	C8	12	4	22-0	"	" - SIDES	
	C21	40	5	4-0	1-0	CONST. JOINT	
	C26	16	4	6-9	"	WINGS	
	C27	8	5	16-0	SHOWN	"	
	C28	120	4	8-6	1-6	SIDES - VERTICAL	
	C29	40	4	22-0	1-6	" - HORIZONTAL	



SECTION C2



SECTION THRU WING WALL

CORNER DETAIL

CONSTRUCTION JOINT

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.
ALL CONCRETE MASONRY SHALL BE GRADE "A"
BEVEL EXPOSED EDGES OF CONCRETE 1" UNLESS OTHERWISE SPECIFIED.
BAR STEEL REINFORCEMENT SHALL BE IMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR SPECIFIED.
THE USE OF STRUCTURAL GRADE BAR STEEL REINFORCEMENT IS PROHIBITED.
EXCAVATED VOLUME NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH GRANULAR BACKFILL TO THE ORIGINAL GROUND LINE. PAYMENT WILL BE MADE ONLY FOR MATERIAL ACTUALLY PLACED WITHIN THE LIMITS SPECIFIED FOR "EXCAVATION FOR STRUCTURES."

ESTIMATED QUANTITIES

BID ITEMS	
EXCAVATION FOR STRUCTURES	210 C.Y.
GRANULAR BACKFILL	50 C.Y.
CONCRETE MASONRY	102.1 C.Y.
BAR STEEL REINFORCEMENT	11,160 LB.
NON-BID ITEMS	
2 PLY MEMBRANE WATERPROOFING	63 S.F.
½" SIZE FILLER	

3'-0"	"C1" BARS
4'-6"	C15 THRU C20 INCL.
4'-6"	C22 THRU C25 INCL.

DETAIL A

STATE HIGHWAY COMMISSION OF WISCONSIN

DETAILS

OUTAGAMIE CO. BROWN — ONEIDA CO. HOBART — STA. 180 + 36.00
SEC. 9 E 10 — T. 22 N — R. 19 E
SPEC. AASHO 57 — LOAD H15 — DATE 1957
DES. 5-15-59 — DRWN. BW. — CHK. DKZ

J. B. Schultz
STATE HIGHWAY ENGINEER

STRUCTURE C 5/44 17 — SHEET 1 OF 1

X 20102

DESIGNED FOR "3'-0" OF FILL.

I.C.C. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S 1422(11)	32	69

STATION	DISTANCE	YARDAGE EXCAVATION UNCL.	FILL
~			
+35			
	11		18
+50			
	83		113
8			

SHEET TOTAL 94 131

FINAL SURVEY
NOTE BOOK

ORIGINAL SURVEY
NOTE BOOK 131

L.R.R.	7-9-58
W.E.K.	9-58
M.S.H.	10-58
R.E.K.	12-58
J.C.C.	12-58

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

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S 1422(1)	33	69

STATION	DISTANCE	YARDAGE EXCAVATION UNCL.	YARDAGE EXCAVATION FILL
8			
	87		94
+50			
	94		74
9			
	180		78
10			
	59		107
+50			
	56		148
11			
	157		376
12			
	91		1028
13			
	22		1274
14			
	111		757
15			
SHEET TOTAL		857	3936

15 665 — +36-0" ASH. — +12-0" ELM.

14 665 — 2-28" POPLAR — +56-16" ELM — +43-8" ELM

13 670 — +37-18" ELM

12 670

11 670 — CONST. G

+50 670

10 670

9 670

8+50 670

PL 682 — PL 630 — PL 578 — PL 526

FINAL SURVEY — NOTE BOOK NO. 131

ORIGINAL SURVEY — NOTE BOOK NO. 131

DATE 7-8-58; 12-58; " ; "

BY L.A.R.; W.S.H.; L.A.R.; W.S.

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

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WS. 4	S 1422 (1)	34	69

STATION	DISTANCE	YARDAGE EXCAVATION UNCL.	FILL
15			
	244		98
+50			
	556		122
16			
	380		483
+50			
	28		1143
17			
	13		439
+20			
	20		426
+50			
	9		681
18			
SHEET TOTAL		1250	3392

18 640

+50 640

+20 645

17 650

+50 660

16 665

15 +50 665

3"-6" TREES & BRUSH

+80-10" ASH

8+00

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

ORIGINAL SURVEY — SURVEYED: 7-9-58, 9-[illegible]-58; PLOTTED: L.R.W., W.E.M., W.R.S., W.W.S.; NOTE BOOK: TEMPLATE: AREA: NO.: 131

PLATE 9-CROSS SECTION O. P. R. B. R. E. STANDARD

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S 1422 (1)	35	69

STATION	DISTANCE	YARDAGE EXCAVATION UNCL.	YARDAGE EXCAVATION FILL
18			
	26		746
+50			
	0		0
+75			
	0		0
19			
	0		0
+25			
	0		0
+50			
	0		1054
20			
	0		1009
+50			
	0		928
21			
SHEET TOTAL:	26		3737

21 640

+50 640

20 640

+50 640

+25 640

19 635

+75 640

18 +50 640

FINAL SURVEY

ORIGINAL SURVEY

C.R.R.
W.E.M.
J.C.
W.P.S.
M.S.H.

7-8-58
8-7-58
12-30

3

E 4+70

E 4+70 = 20' ELM

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

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S 1422 (1)	36	69

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

ORIGINAL SURVEY — SURVEYED 7-0-58 — PLOTTED 9-58 — NOTE BOOK — NO. 131 — DATE 12-58

L.R.R.
W.E.M.
W.S.K.
M.S.

+30 650 — 26 650 — +85 655 — +50 650 — 25 655 — +55 660 — 24 655 — +50 645 — 23 645 — 22 645

2 +45-12" STUMP

2 +90-16" ELM

2 +87-16" ELM

2 +79-16" ELM

2 +06-10" ELM

2 +67-22" ELM

2 +46-16" ELM

2 +19-32" STUMP

℄ +89

℄ +15

℄ +31

STATION	DISTANCE	YARDAGE EXCAVATION UNCL.	YARDAGE EXCAVATION FILL
2			
0			1802
22			
0			1407
23			
9			319
+50			
91			65
24			
396			0
+55			
461			0
25			
408			0
+50			
198			0
+85			
48			18
26			
41			133
+30			
SHEET TOTAL		1652	3744

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

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WTS. 4	S1422(1)	37	(69)

STATION	DISTANCE	YARDAGE EXCAVATION UNCL.	YARDAGE FILL
26			
+30		11	206
+50		13	926
27		54	1376
+60		68	959
28		33	704
+25		28	2228
29		4	1128
+50		65	602
30			
SHEET TOTAL		276	8129

30 655 | +50 655 | 29 645 | +25 645 | 28 645 | +60 645 | 27 645 | 26+50 650

℄

℄ +70

℄ +34 — 16" ELM

℄ +14 — 18" OAK

℄ +88 — 28" OAK

℄ +89

℄ +51 — 32" OAK

℄ +38 — 8" APPLE

FINAL SURVEY
NOTE BOOK NO.
SURVEYED
PLOTTED
TEMPLATE
AREAS
CROSS SECTIONED
UNIT
SHEET

ORIGINAL SURVEY
NOTE BOOK NO. 131
SURVEYED
PLOTTED
TEMPLATE
AREAS
CROSS SECTIONED
L.B.R. 7.0 - 30
W.E.N. 11.5 - 30
M.S.H. 11.5 - 30
M.S.K. 12 - 30

PLATE 3-CROSS SECTION O. P. R. 88 E. STANDARD
THE PRUDENCE PUBLISHING CO., CHICAGO

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S1422 (1)	38	69

FINAL SURVEY
SURVEYED
PLOTTED
NOTE BOOK
NO.

ORIGINAL SURVEY
SURVEYED 7-0-58
PLOTTED 9-58
NOTE BOOK 12-58
NO. 151

L.B.R.
W.E.N.
M.S.H.
W.M.S.

+65 660 | 35 660 | +65 660 | 34 665 | +57 670 | 33 665 | +77 665 | 32 660 | +48 660 | 31 660 | 30+50 660

0+29 | 1+77 | 2+46

STATION	DISTANCE	YARDAGE EXCAVATION UNCL	FILL
30			
	276		233
+50			
	409		52
31			
	398		0
+18			
	443		0
32			
	750		0
+77			
	259		0
33			
	620		0
+57			
	339		0
34			
	187		178
+65			
	15		215
35			
	15		398
+65			
SHEET TOTAL	3711		1076

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

P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S1422-(1)	30	69

STATION	DISTANCE	YARDAGE EXCAVATION UNCL.	YARDAGE FILL
35 +65			
	5		146
36			
	272		146
37			
	765		0
38			
	1050		0
39			
	1130		2
40			
	1331		2
41			
	1370		0
42			
	1278		0
43			
	1167		0
44			
	944		0
45			
	498		57
46			
	33		126
132			
SHEET TOTAL	9853		479

+32 660
46 665
45 670
44 670
43 670
42 675
41 675
40 670
39 670
38 670
37 665
36 665

℄ +10 – 18" STUMP

℄ +06 – 18" STUMP

℄ +00 – 12" STUMP

℄ +82
℄ +29
℄ +76
℄ +32
℄ +71
℄ +12
℄ +35
℄ +50

FINAL SURVEY
SURVEYED
PLOTTED
NOTE BOOK TEMPLATE
NO. CROSS SECTIONS

ORIGINAL SURVEY
SURVEYED 7-8-36
PLOTTED W.E.K. 8-3-36
NOTE BOOK W.E.K. 12-36
NO. 151 CROSS SECTIONS L.J.K.

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

OFFICE	PROJECT	NUMBER	SHEETS
WIS. 4	S1422(1)	40	69

STATION	DISTANCE	YARDAGE EXCAVATION UNCL	YARDAGE FILL
46			
+32	6		494
47	74		615
48	93		483
49	48		407
50	154		139
+65	85		80
51	89		241
52	208		120
53	487		46
54	687		13
55	644		4
56	439		15
57			
SHEET TOTAL	3014		2657

FINAL SURVEY — NOTE BOOK — NO.

ORIGINAL SURVEY — NOTE BOOK — NO. 131

PLATE 3 CROSS SECTION O. P. R. R. E. STANDARD
THE STEENBOCK PRINT CO., CHICAGO

OFFICE	PROJECT	NUMBER	SHEETS
WIS. 4	S1422(1)	41	69

STATION	DISTANCE	YARDAGE EXCAVATION UNCL.	YARDAGE FILL
57			
		217	54
58			
		113	126
59			
		98	187
60			
		117	196
61			
		119	148
62			
		144	119
63			
		172	137
64			
		165	150
65			
		143	156
66			
		144	133
67			
		168	119
68			
		154	130
69			
		141	122
70			
SHEET TOTAL		895	1277

FINAL SURVEY — SURVEYED ____ PLOTTED ____ NOTE BOOK ____ NOTES ____

ORIGINAL SURVEY — SURVEYED L.D.R. 7-5-58; PLOTTED W.E.H. 8-6-58; NOTE BOOK W.E.H. 12-58; NOTES J.J.K. —

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

OFFICE	SHEET NUMBER	SHEETS
WIS. 4	S1422(1)	42 69

FINAL SURVEY — NOTE BOOK — PAGE — CHECKED — TEMPLATE — AREA — VOL. — LOCATION

ORIGINAL SURVEY — NOTE BOOK — PAGE — CHECKED — TEMPLATE — AREA — VOL. 131 — LOCATION

	7-8-58
W.P.G.	9-08
M.S.H.	12-58
J.J.K.	"

STATION	DISTANCE	YARDAGE EXCAVATION UNCL.	FILL
70			
	146		132
71			
	150		146
72			
	148		143
73			
	83		239
74			
	54		319
75			
	68		304
76			
	39		337
77			
	72		317
78			
	82		185
79			
	80		120
80			
	163		104
81			
	200		54
82			
	189		33
83			
SHEET TOTAL		1474	2433

DIST. DISTRICT OFFICE	PROJECT	SHEET NUMBER	SHEETS
WIS. 4	S1422(1)	43	69

STATION	DISTANCE	YARDAGE EXCAVATION UNCL	CUM
83			
	85		44
84			
	137		74
85			
	91		93
86			
	104		89
87			
	133		80
88			
	46		74
89			
	211		83
90			
	239		54
91			
	91		65
92			
	189		89
93			
	193		113
94			
	156		144
95			
	122		185
96			
SHEET TOTAL		2097	1167

96 685 — 95 680 — 94 680 — 93 680 — 92 680 — 91 680 — 90 680 — 89 680 — 88 680 — 87 680 — 86 680 — 85 680 — 84 680

℄

2+10

2+67

3+24

3+57

3+70

4+06

4+57

4+88

℄ +44-12" STUMP

℄ +10-22" STUMP

℄ +42-26" STUMP

℄ +37-36" STUMP

FINAL SURVEY
SURVEYED
PLOTTED
TEMPLAN
CROSS SECTIONED
NOTE BOOK
NO.

ORIGINAL SURVEY
SURVEYED 7/6/48
PLOTTED 7/8/48
TEMPLAN 12-88
CROSS SECTIONED
NOTE BOOK
NO. 131

STATION	DISTANCE	UNCL.	EXCAVATION	EMBANKMENT	FILL
96					
97	196	115			
98	148	159			
99	52	391			
100	0	635			
101	0	561			
102	30	333			
103	144	172			
104	230	107			
105	217	106			
106	165	141			
107	126	191			
108	78	208			
109	26	309			
SHEET TOTAL	1412	3428			

WBS 4 | S142211 | SHEETS 44 | NUMBER 69

97 685
98 685
99 690
100 690
101 690
102 690
103 690
104 690
105 685
106 685
107 685
108 685
109 685

A+63
A+37
A+34
A+14
A+04
A+39
A+17
A+12
A+05
A+70

+76-32' ELM
+90-LILAC
+67-20
+91-16' B.C.
+08-14" B.C.
+48-18" MAPLE
+61-26" B.C.
+04-16' B.C.
+16-22' B.C.
+39-18" STUMP
+77-20' STUMP
+39
+52
+05
+90-14" OAK
+10-12" OAK
+19-18" STUMP
+45-8" STUMP
+06-16" STUMP
+04-22" STUMP
+32-14" STUMP
+09-TWIN 10" STUMP
+10-12" STUMP
+27-12" STUMP
+92-16" STUMP
+37-16" STUMP
WOODS

PLATE 2 CROSS SECTION P. A. & H. R. R.
THE PENNSYLVANIA COAL CO. CRESSON

ORIGINAL SURVEY — L.E.R. W.E.M. W.C.S. — 7-8-08 9-08 12-08

FINAL SURVEY — NOTE BOOK NO.

BPR DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S1422(1)	45	69

STATION	DISTANCE	YARDAGE EXCAVATION UNCL	FILL
109		361	24
110		224	124
111		91	287
112		48	350
113		37	326
114		109	196
115		269	44
116		313	48
117		139	307
118		13	213
+50		94	85
19		522	6
20			
SHEET TOTAL		2220	2019

FINAL SURVEY — NOTE BOOK NO. —

ORIGINAL SURVEY — NOTE BOOK NO. 131 — L.P.R. 7-8-56, W.E.M. 9-56, M.S.K. 12-56, W.F.S.

PLATE 3-CROSS SECTION © P. S. & E. STANDARD
The FREDERICK POST CO., CHICAGO

OFFICE	PROJECT	NUMBER	SHEETS
WIS. 4	S1422(1)	46	69

+32 675 | 127 670 | 126 670 | +91 665 | +68 665 | 125 670 | 124 675 | 123 675 | +30 680 | 122 680 | 121 680

Δ 34°-20° STUMP

FINAL SURVEY — SURVEYED / PLOTTED / TEMPLATE / NOTE BOOK / NO. / CROSS SECTIONED

ORIGINAL SURVEY — SURVEYED 7-9-58 / PLOTTED 9-25-58 / TEMPLATE 12-38 / NOTE BOOK L.P.R. / NO. 131 W.C.M. / W.S.K. / W.F.S.

+60-LILA

+64-LILAC

+80-30" B.E.

+44-10" OAK

+00

+00

+00

STATION	DISTANCE	YARDAGE EXCAVATION UNCL	YARDAGE FILL
120			
		626	0
121			
		446	7
122			
		96	6
+30			
		137	65
123			
		72	346
124			
		20	770
125			
		0	1074
+68			
		0	485
+91			
		0	132
126			
		50	559
127			
		57	44
+32			
SHEET TOTAL		1504	3488

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

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S 1422(11)	47	69

FINAL SURVEY — NOTE BOOK NO. — SURVEYED — PLOTTED — TRACED — CHECKED

ORIGINAL SURVEY — NOTE BOOK NO. 131 — L.R.R. — W.E.M. — R.S.K. — W.F.S. — SCALE: 1"=50' — 2"=50' — 1"=10' — 2"=10'

STATION	DISTANCE	YARDAGE EXCAVATION UNCL	YARDAGE FILL
127			
+32		311	2
128		481	0
129		200	80
130		154	94
131		165	11
+75		67	0
132		85	2
+29		50	11
+55		26	126
133		9	193
+40		65	243
+34		194	243
135			
SHEET TOTAL		1607	1005

135 680 — 134 680 — +40 675 — 133 670 — +55 675 — +29 675 — 132 675 — +75 675 — 131 675 — 130 675 — 129 675 — 128 675

+16 — A+64 — A+64 — A+67 — +48 — A+106 — +94 GAR. — +80 — +38 HO. — +01

+46-12" ELM — +50-18" ELM — +26-TWIN 18" MAPLE — +42-18" MAPLE — +97-10" TWIN ELM — +64-23" ELM — +35-16" MAPLE — A+29 — A+13-10" ELM — A+08 — +49-10"ELM — A+16 — +24-MAPLE — +17-16" OAK

PLATE 3-CROSS SECTION A.A.S.H.O. STANDARD
THE PROGRESS POST CO., CHICAGO

OFFICE WS 4 | PROJECT S1422 (1) | SHEET 48 | 69

STATION	DISTANCE	EXCAVATION UNCL	YARDAGE FILL
135			111
136	186	186	
137	200	200	44
138	502	502	9
139	1085	1085	0
140	1213	1213	0
141	746	746	0
142	294	294	113
143	87	87	333
144	24	24	604
145	4	4	985
146	0	0	948
SHEET TOTAL		4351	3141

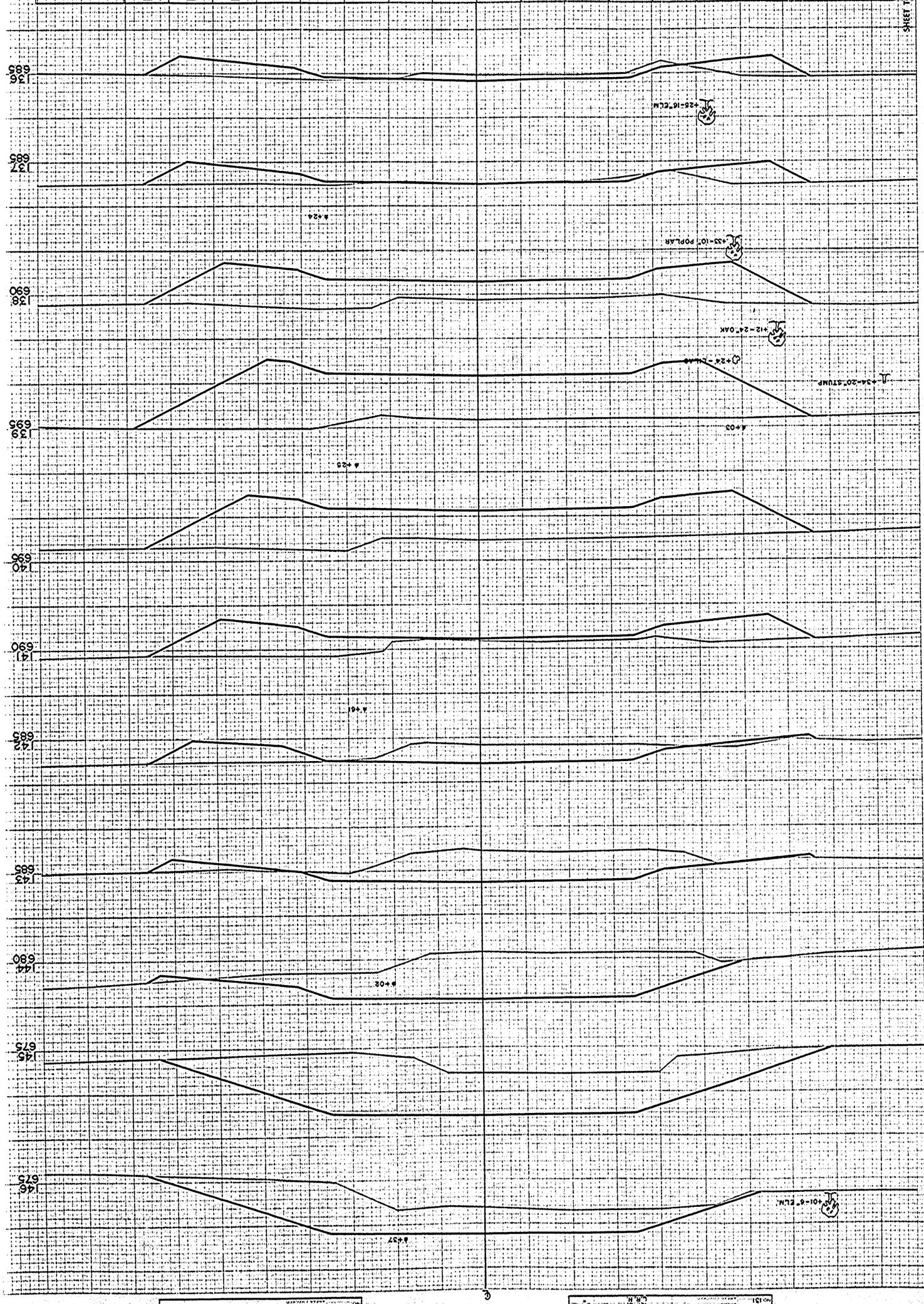


PLATE 3-CROSS SECTION
THE FEDERICK POST CO., CHICAGO

ORIGINAL SURVEY — NOTE BOOK No 131 — L.R.R. W.L.H. M.K.S. L.R.R. — DATE 7-6-58 9-58 12-58 -

FINAL SURVEY — NOTE BOOK No — DATE —

BPR District Office	Project	Sheet Number	Total Sheets
Wis. 4	S 1422 (1)	49	69

Station	Distance	Yardage Excavation Unc	Yardage Fill
146			
	41		208
150			
	143		39
147			
	422		7
148			
	304		4
149			
	246		4
150			
	609		0
151			
	930		0
152			
	543		56
153			
	62		189
154			
	44		259
155			
	43		237
156			
	32		237
157			
	48		215
158			
		SHEET TOTAL	3487	1455

158 685 — 157 685 — 156 685 — 155 685 — 154 680 — 153 680 — 152 685 — 151 685 — 150 680 — 149 680 — 148 680 — 147 680 — 146 680

℄

4+16 — 4+75 — 4+37 — 4+14 — 4+60 — 4+05 — 4+45

+24-6" STUMP — +61-6" STUMP — +92-14" STUMP — +86-6" STUMP — +32-12" STUMP

+46-4-6" ELMS — +02-16" ELM — +16-6" B.C. — +01-6" D.C. — +05-TWIN 10" ELM

FINAL SURVEY — NOTE BOOK — NO. — TEMPLATE — AREA — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. 131 — PLOTTED — TEMPLATE — AREA — L.P.R. 7-0-56 — W.E.M. 9-0-56 — M.S.H. 12-0-56 — M.S.H. — M.S.H.

R.P.U. District Office	Project	Sheet Number	Total Sheets
W.S. 4	S1422(11)	56	69

FINAL SURVEY — Surveyed, Plotted, Note Book, Area Checked, No.

ORIGINAL SURVEY — Surveyed 7-8-58, Plotted 9-58, Area Checked 12-58, No. 131

L.R.R. — W.E.M. — W.F.S. — W.M.R.

121 690 | 120 690 | 169 690 | 168 690 | 167 690 | 166 690 | 165 690 | 164 690 | 163 690 | 162 690 | 161 690 | 160 685 | 159 685

5+68 | 4+23 | 4+85 | 4+14 | 3+59 | 4+82

℄ +63-8" STUMP

℄ +27-10" STUMP

℄ +25-8" STUMP

℄ +34-8" ELM

℄ +79-16" MAPLE

℄ +56-8" B.E.

℄ +38-TWIN 8" B.E.

STATION	DISTANCE	YARDAGE EXCAVATION UNCL.	YARDAGE EXCAVATION FILL
158			
	119		109
159			
	135		85
160			
	157		76
161			
	191		48
162			
	87		217
163			
	20		333
164			
	50		269
165			
	50		239
166			
	82		183
167			
	215		61
168			
	231		6
169			
	113		74
170			
	52		170
171			
SHEET TOTAL		1502	1870

OFFICE	PROJECT	NUMBER	SHEETS
WIS. 4	S 1422 (1)	51	69

FINAL SURVEY — SURVEYED — PLOTTED — NOTEBOOK — PAGE — CHECKED — NO.

ORIGINAL SURVEY — SURVEYED 8-1-38 — PLOTTED 9-1-38 — NOTEBOOK — PAGE — CHECKED 12-38 — NO. 131

STATION	DISTANCE	YARDAGE EXCAVATION UNC.	YARDAGE FILL
171			
	132		117
172			
	350		17
173			
	322		85
174			
	87		285
175			
	230		200
176			
	387		2
177			
	246		33
178			
	241		89
179			
	109		111
150			
	20		217
180			
SHEET TOTAL		2124	1156

+80 680 — +50 185 — 179 690 — 178 690 — 177 690 — 176 690 — 175 685 — 174 690 — 173 690 — 172 690

WOODS — +61 — +101 — +16 — +188

A 80-12"STUMP
A 68-16"STUMP
A 97-16"STUMP
A 130-12"STUMP
A 20-10"STUMP
A 12-16"STUMP
A 20-10"STUMP
A 32-20"STUMP
A 29-16"STUMP
A 20-22"STUMP
A 176-16"STUMP
A 102-5-6"STUMPS

PLATE 3-CROSS SECTION © P. S. & E. STANDARD
THE FREDRICK POST CO., CHICAGO

OFFICE	PROJECT	NUMBER	SHEETS
WIS. 4	S 1422 (1)	52	69

FINAL SURVEY — NOTEBOOK NO. ____ — DATE ____ — SURVEYED ____ — PLOTTED ____ — CHECKED ____ — AREAS ____

ORIGINAL SURVEY — NOTEBOOK NO. 151 — DATE 7-8-58 — SURVEYED L.R.R. — PLOTTED W.E.M. — CHECKED M.S.H. — AREAS J.J.K. — 9-58 — 12-58

STATION	DISTANCE	YARDAGE EXCAVATION UNC.	YARDAGE EXCAVATION FILL
179 + 80			
		0	263
180		0	802
+54		0	648
181		0	1181
182		0	824
183		48	407
184		443	83
185		969	0
186		1111	0
187		943	0
188		619	0
189			
SHEET TOTAL		4133	4208

PLATE 3 CROSS SECTIONS A.P.W.A.R.E. STANDARD
THE FREDERICK POST CO., CHICAGO

R.P.M. District Office	Project	Sheet Number	Total Sheets
Wis. 4	S 1422 (1)	53	69

FINAL SURVEY — Surveyed, Plotted, Note Book, Sheets, Cross Sections

ORIGINAL SURVEY — Surveyed L. R. R. M., Plotted W. E. K., Note Book No. 131, Cross Sections J. J. K.

Date: 1-58, 2-58, 3-58

0+97 UNDERGROUND TELE. CABLE

0+47 UNDERGROUND TELE. CABLE

7+46.3 ELM

1+12.4 P.P.

Station	Distance	Yardage Excavation Uncl.	Yardage Fill
189			
		285	30
190			
		81	169
191			
		48	254
192			
		135	141
193			
		409	26
194			
		339	120
195			
		26	394
196			
		0	715
197			
		7	496
198			
		124	244
199			
		1098	4
200			
Sheet Total		2552	2593

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

OFFICE	PROJECT	NUMBER	SHEETS
WIS. 4	S 1422 (1)	54	6

FINAL SURVEY — DRAWN / TRACED / PLOTTED / DATE PLOT TURNED / AREA / NO.

ORIGINAL SURVEY — L. P. R. 8-58; M. M. 11-58; M. S. H. 12-58; J. J. K. —; NO. 131

STATION	DISTANCE	YARDAGE EXCAVATION UNCL.	YARDAGE FILL
200			
	1198		0
148			
	1517		0
201			
	2096		0
202			
	833		6
203			
	196		107
204			
	180		180
205			
	135		83
150			
	113		113
206			
	78		565
207			
	0		1039
208			
SHEET TOTAL		6346	2093

208 7.10 — 207 7.10 — 206 7.15 — 7.15 — 205 7.10 — 204 7.10 — 203 7.10 — 202 7.10 — 201 7.15 — 200+4 7.15

+64 -10' STUMP
0+57
+21 -10' STUMP
+93 -8' STUMP
0+39 -HI-PRESSURE GAS LINE
0+25
+80 -8' STUMP
+64 -8' STUMP
+43+10' STUMP
+18 -10' STUMP
+03 -8' STUMP
4+85
0+00 -HI-PRESSURE GAS LINE
SMALL TREES ALONG FENCE

PLATE 3 - CROSS SECTIONS
THE FREDERICK POST CO., CHICAGO

OFFICE	PROJECT	NUMBER	SHEETS
WIS. 4	S 1422 (1)	55	69

FINAL SURVEY
L.E.R.
W.E.M.
M.S.H.
J.J.K.
7-10-57
9-058
12-58

ORIGINAL SURVEY
L.E.R.
W.E.M.
M.S.H.
J.J.K.
7-10-57
9-058
12-58

NOT INCORPORATED IN FINAL PLAT
NO 131

STATION	DISTANCE	YARDAGE EXCAVATION UNC.	YARDAGE FILL
208			
	0		1298
209			
	0		1304
210			
	52		800
211			
	106		356
212			
	80		396
213			
	98		322
214			
	431		100
215			
	1096		0
216			
	2020		0
217			
	2691		0
218			
SHEET TOTAL	6574		4576

218 725
217 730
216 725
215 720
214 715
213 715
212 715
211 715
210 710
208 710

8+99
8+82
8+96
8+80
8+87
8+12
8+70
8+84
33"-6" ELM
14"-4" ELM
41"-32" POPLAR
100"-2" SPRUCE

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

BPR DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S 1422 (1)	56	69

FINAL SURVEY — NOTE BOOK NO. — DATE SURVEYED — SURVEYED BY — PLOTTED BY — CHECKED BY — AREA CLASSIFIED

ORIGINAL SURVEY — NOTE BOOK NO. 15L — DATE SURVEYED — SURVEYED BY — PLOTTED BY — CHECKED BY — AREA CLASSIFIED

DATE: 7-8-66 / 9-66 / 12-66 — BY: L.R.R. / W.E.M. / W.F.S. / W.S.H.

+50 695 | 229 695 | 228 695 | 227 695 | 226 690 | 225 695 | 224 700 | 223 700 | 222 700 | 221 705 | 220 710 | 219 720

STATION	DISTANCE	YARDAGE EXCAVATION UNC.	YARDAGE FILL
218			
	2065		0
219			
	776		52
220			
	141		400
221			
	22		885
222			
	7		931
223			
	15		783
224			
	15		737
225			
	26		552
226			
	70		239
227			
	265		35
228			
	507		0
227			
	259		0
+50			
SHEET TOTAL		4168	4614

PLATE 3 <CROSS SECTION> P. P. S. & B. STANDARD
THE FREDERICK POST CO., CHICAGO

BPR District Office	Project	Sheet Number	Total Sheets
Wis. 4	S 1422 (1)	57	69

FINAL SURVEY — Surveyed — Computed — Template Areas — Notebook — No. —

ORIGINAL SURVEY — Surveyed — Computed — Template Areas — Notebook — No. (3) —

By C.R.R. — M.S.H. — W.R.E. — 7-16-58 — 10-58 — 12-56

242 695 · 241 695 · 240 695 · 239 695 · 238 695 · 237 695 · 236 695 · 235 695 · 234 695 · 233 695 · 232 695 · 231 695 · 230 695

A+67 · A+24 · A+80 · A+66 · A+23 · A+42 · A+74 · A+60

+98-16" BASSWOOD · +90-14" MAPLE · +2-6" MAPLE · +81-10" MAPLE · +77-6" MAPLE · +32-12" MAPLE · +86-12" MAPLE

Station	Distance	Yardage Excavation Uncl.	Yardage Fill
229	150	189	4
230		211	57
231		89	120
232		61	117
233		80	83
234		144	50
235		270	20
236		182	502
237		120	511
238		182	37
239		96	157
240		82	235
24		231	102
242			
Sheet Total		1937	1995

OFFICE	PROJECT	NUMBER	SHEETS
W.S. 4	S 1422 (1)	58	69

FINAL SURVEY — COMPUTED: L.R.R. — PLOTTED: W.S.H. — TRACED: W.S.H. — NOTE BOOK: — PAGE: — CHECKED: W.S.H.

ORIGINAL SURVEY — SURVEYED: L.R.R. — PLOTTED: W.S.H. — TRACED: W.S.H. — NOTE BOOK: 131 — PAGE: — CHECKED: W.S.H.

DATE: 8-56 — 9-56 — 12-56 — "

254+00 253+00 252+00 251+00 250+00 249+00 248+00 247+00 246+00 245+00 244+00 243+00

4+82

4+24

STATION	DISTANCE	YARDAGE EXCAVATION UNC.	YARDAGE FILL
242			
		354	2
243			
		337	0
244			
		222	122
245			
		28	185
246			
		208	85
247			
		237	65
248			
		159	89
249			
		139	120
250			
		111	159
251			
		104	137
252			
		57	96
253			
		133	96
254			
SHEET TOTAL		2289	1156

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

BPR CONTRACT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S 1422 (1)	59	69

FINAL SURVEY — NOTE BOOK — PLOTTED — TEMPLATE — AREA — PLANIMETERED — NO.

ORIGINAL SURVEY — NOTE BOOK NO. 131 — PLOTTED — TEMPLATE — AREA — L. R. R. W. R. & W. W. & W. W. S. — 8"=5ft 9"=5ft 12"=8ft

STATION	DISTANCE	YARDAGE EXCAVATION UNCL.	YARDAGE FILL
267			
695			
		132	96
266			
700			
		163	82
265			
700			
		115	102
264			
700			
		120	115
263			
700			
		200	70
262			
700			
		193	76
261			
700			
		87	130
260			
700			
		135	100
259			
700			
		262	26
258			
700			
		324	26
257			
700			
		263	11
256			
700			
		330	74
255			
700			
		264	193
		211	208
		265	
		117	
		266	
		44	
		267	
SHEET TOTAL		217	283

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PLATE 3-CROSS SECTION © P. R. R. & R. E. STANDARDS
THE FORBUSH PRINT CO., CHICAGO

OFFICE		SHEET NUMBER	SHEETS
WIS. 4	S1422(1)	60	69

STATION	DISTANCE	YARDAGE EXCAVATION UNC.	YARDAGE FILL
267			
	96		189
268			
	104		194
269			
	65		176
270			
	96		167
271			
	209		113
272			
	235		85
273			
	124		115
274			
	104		143
275			
	196		100
276			
	202		83
277			
	67		176
278			
	41		231
279			
	146		165
280			
SHEET TOTAL	1685		1937

FINAL SURVEY — SURVEYED, PLOTTED, TRIANGULATED, AREAS, NOTE BOOK, NO., DATE

ORIGINAL SURVEY — SURVEYED: L. R. R., W. E. H., M. S. W., J. J. K.; PLOTTED; TRIANGULATED; AREAS; NOTE BOOK; NO. 151; DATE: 8-58, 12-58

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

OFFICE	PROJECT	NUMBER	SHEETS
WIS. 4	S 1422 (1)	61	69

292 705 | 291 705 | 290 705 | 289 705 | 288 705 | +50 705 | 287 705 | 286 705 | 285 705 | 284 705 | 283 705 | 282 705 | 281 705

STATION	DISTANCE	YARDAGE EXCAVATION UNCL.	YARDAGE FILL
280			
	250		76
28			
	187		98
282			
	83		167
283			
	126		126
284			
	307		41
285			
	254		56
286			
	143		78
287			
	157		15
150			
	163		9
288			
	154		115
289			
	72		193
290			
	46		159
29			
	59		130
292			
SHEET TOTAL		2003	263

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

ORIGINAL SURVEY — SURVEYED, TEMPLATE, AREAS, NOTE BOOK NO. 131, DATE — E. R. 8-56; W. S. H. 9-56; W. F. S. 12-56

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

OFFICE	PROJECT	NUMBER	SHEETS
WIS. 4	S 1422 (1)	62	69

STATION	DISTANCE	YARDAGE EXCAVATION UNCL.	YARDAGE FILL
292			
	98		133
293			
	83		130
294			
	81		109
295			
	152		67
296			
	208		15
297			
	172		9
298			
	231		80
299			
	54		228
300			
	48		256
301			
	280		93
+25			
	106		0
SHEET TOTAL		1513	1120

FINAL SURVEY
NOTE BOOK
NO.

ORIGINAL SURVEY
NOTE BOOK 131
L.S.
W.E.M.
M.S.H.
W.F.S.
7-9-58
9-08
12-08
"

+25 705
301 705
300 700
299 700
298 705
297 705
+60 705
296 705
295 705
294 705
293 705

+86-LILAC
+82-LILAC
+98-14"APPLE
+40-32" ELM
+27-10"STUMP
+32-4"ASH
+31-4"D.E.
+57-14"MAPLE
+42-4"ELM
+54
+13
+67
+70
+47
+07
+47

PLATE 3-CROSS SECTION C. P. P. & B. & E. STANDARD
THE FREEDLEY POST CO., CHICAGO

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S 1422.(1)	63	69

STATION	DISTANCE	YARDAGE EXCAVATION UNC.	YARDAGE EXCAVATION FILL
301+25			
	109		74
+75			
	13		156
302+08			
	52		494
303			
	76		150
+45			
	118		189
304			
	(4)		420
305			
	89		330
306			
	78		204
307			
	150		80
308			
	228		9
309			
	217		9
310			
	213		17
311			
SHEET TOTAL		1484	2132

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

ORIGINAL SURVEY — SURVEYED L. R. R. W. E. H. W. J. F. S. — PLOTTED ... NOTE BOOK ... NO. 151

DATE: 8-38, 9-38, 12-38

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

OFFICE	PROJECT	NUMBER	SHEETS
WTS. 4	S1422(1)	64	69

STATION	DISTANCE	YARDAGE EXCAVATION UNCL.	YARDAGE FILL
311			
	233		11
312			
	233		37
313			
	169		74
314			
	109		98
315			
	143		98
316			
	196		50
317			
	281		9
318			
	306		4
319			
	230		56
320			
	122		161
321			
	43		202
322			
	65		185
323			
	76		178
324			
SHEET TOTAL	2206		1163

FINAL SURVEY
NOTE BOOK, TEMPLATE
NO.

ORIGINAL SURVEY
NOTE BOOK, TEMPLATE
NO. 131

L.R.R.
W.E.M.
M.S.H.
W.F.S.

0'-15"
0'-30"
12'-30"
-

324 705 · 323 705 · 322 705 · 321 705 · 320 705 · 319 705 · 318 705 · 317 705 · 316 705 · 315 705 · 314 705 · 313 705 · 312 705

+67 · +62 · +26 · +59 · +00 · +67 · +64 · +97

20-6" B. WOOD · 65-4" B. WOOD · 23-4" ELM · 29-6" ELM · 41-14" AP. · 23-10" AP. · 16-6" CHERRY · 74-14" AP. · 32-12" ELM · 45-10" ELM · 20-2" ELM · 26-10" STUMP

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

OFFICE	PROJECT	NUMBER	SHEETS
WIS. 4	S1422(1)	65	69

STATION	DISTANCE	YARDAGE EXCAVATION UNC.	YARDAGE EXCAVATION FILL
324			
	89		159
325			
	185		87
326			
	172		44
327			
	76		98
328			
	57		154
329			
	52		193
330			
	72		215
331			
	72		259
332			
	83		241
333			
	170		148
334			
	159		133
335			
	80		172
336			
	154		122
337			
SHEET TOTAL		1421	2025

337 705 | 336 705 | 335 705 | 334 700 | 333 700 | 332 700 | 331 700 | 330 700 | 329 700 | 328 700 | 327 700 | 326 700 | 325 700

6+43 | 6+16 | 10-0"ELM | 6+86 | 6+00 | 5+35 | 5+02 | 6+80

FINAL SURVEY — SURVEYED L.R.C. 7-8-58; PLOTTED W.E.M. 8-58; TEMPLATE M.S.H. 12-58; NOTE BOOK — ; NO. — ; AREA — ; SCALE — ; W.R.S.

ORIGINAL SURVEY — SURVEYED L.R.C. 7-8-58; PLOTTED W.E.M. 8-58; TEMPLATE M.S.H. 12-58; NOTE BOOK 131; NO. —; AREA —; SCALE 1" = —; W.R.S.

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

W.S. 4 | S 1422 (1) | 66 | 67

STATION	DISTANCE	YARDAGE EXCAVATION UNC.	YARDAGE FILL
337			
		257	43
338			
		298	15
339			
		380	2
340			
		293	30
341			
		130	76
342			
		106	96
343			
		48	48
344			
TOTAL MAIN ROAD		88,616	80,669
SHEET TOTAL		1512	310

344 705 — 0+23

343 705 — 0+76

342 705 — 1+00

341 705 — 1+84 - 6" M/

340 705

339 705 — 2+17 — 36 - 6" MAPLE

338 705

2+28 - 4" MAPLE

FINAL SURVEY — NOTE BOOK, PAGE

ORIGINAL SURVEY — NOTE BOOK, PAGE NO. 131

L.R.R. 7-56
W.E.M. 9-56
M.S.H. 12-56
A.J.S.
W.J.S.

PLATE 3-CROSS SECTIONS A. R. E. A. STANDARD
THE FREDERICK POST CO., CHICAGO

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S 1422 (1)	67	69

21 640 | 20 640 | 19 640 | 18 640 | 17 640 | 16 635 | 15 635

℄ CH. CH.

1" = 5'

STATION	DISTANCE	YARDAGE EXCAVATION UNC.	YARDAGE FILL
14 + 75			
	25	61	
15			
	100	572	
16			
	100	778	
17			
	100	942	
18			
	100	850	
19			
	100	611	
20			
	100	569	
21			
	100	317	
22			
TOTAL CHANNEL CHANGE & SHEET TOTAL		4700	

FINAL SURVEY
SURVEYED
PLOTTED
NOTEBOOK
NO.

ORIGINAL SURVEY
SURVEYED L. L. R. 8-58
PLOTTED W. E. B. 11-59
NOTEBOOK No. 131 H. C. H. 2-59

ORIGINAL SURVEY		BY	DATE
	SURVEYED	L.L.R.	8-58
	PLOTTED	D.M.L.	12-58
NOTE BOOK	TEMPLATE	M.S.H.	"
No. 131	AREAS	"	"
	AREA CHECKED	L.E.R.	"

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

℄

+65 650

+50 660

℄+56-16" STUMP

#+14

15 660

+70 660

+40 665

14 670

℄+43-16" STUMP

+05-14" ELM

#+75

℄+60-12" STUMP

#+61

13 665

12 665

+78-16" BOX ELDER

+58

ROW OF BRIDLE WREATH

+34-20" CEDER

+20-22" ELM

+12-18" ELM

#+11

+03

#+05

11 670

+82-22" ELM

+79 TWIN 10" ELM

10 670

+67-4" ASH

+47

SLO+27

+91

#+14

9 670

SHEET TOTAL

STATION	DISTANCE	YARDAGE EXCAVATION UNCL	FILL
+65			
125	0	0	0
15	39	50	11
+70	50	141	91
+40	141	426	78
14	426	972	0
13	972	370	0
12	370		0
1998			180

OFFICE	WSS 4
PROJECT	S 1422 (1)
NUMBER SHEETS	68 / 69

PLATE 3 CROSS SECTIONS

BPR DISTRICT OFFICE	PROJECT	VOLUME NUMBER	TOTAL SHEETS
WIS. 4	S 1422(1)	69	69

STATION	DISTANCE	YARDAGE EXCAVATION UNCL	YARDAGE FILL
15 +65			
	0		437
16			
	0		2339
17			
	0		1598
18			
	0		665
19			
	0		156
20			
TOTAL C.T.H. "UU" & TOWN RD.	1998		5375
SUMMARY			
TOTAL MAIN LINE	88616		80669
TOTAL CHANNEL CHANGE STA. 18+98	4,700		
TOTAL C.T.H. "UU" & TOWN RD. STA. 261+24.5	1,998		5,375
GRAND TOTAL	95,314		86,044
SHEET TOTAL	0		5195

21 640 +30 640 20 640 19 635 18 635 17 640 16 645

4" TO 10" TREES & BRUSH

4" TO 10" TREES & BRUSH

CONST. ℄

+35 +23-36" ELM

+18-14" ELM +20-20" ELM

+00-6" OAK

+93-6" OAK

BRUSH

+63-12" ELM

SMALL TREES AND BRUSH

+10-TRIPLE 10" BASSWOOD

FINAL SURVEY
NOTE BOOK, TEMPLATE, AREAS
NO.

ORIGINAL SURVEY
NOTE BOOK, AREAS
NO.

SURV.

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