

SHEETS

- SHEET NO. 1 TITLE
- SHEET NO. 2 TYPICAL CROSS SECTIONS
- SHEET NO. 2 ESTIMATE OF QUANTITIES
- SHEET NO. 2 MISCELLANEOUS QUANTITIES
- SHEET NO. — RIGHT OF WAY PLAT
- SHEET NO. 3 PLAN AND PROFILE STA. 13+50 TO STA. 77+50
- SHEET NO. 4-8 STANDARD DETAILS
- SHEET NO. — DRAINAGE STRUCTURES
- SHEET NO. 9 CROSS SECTIONS



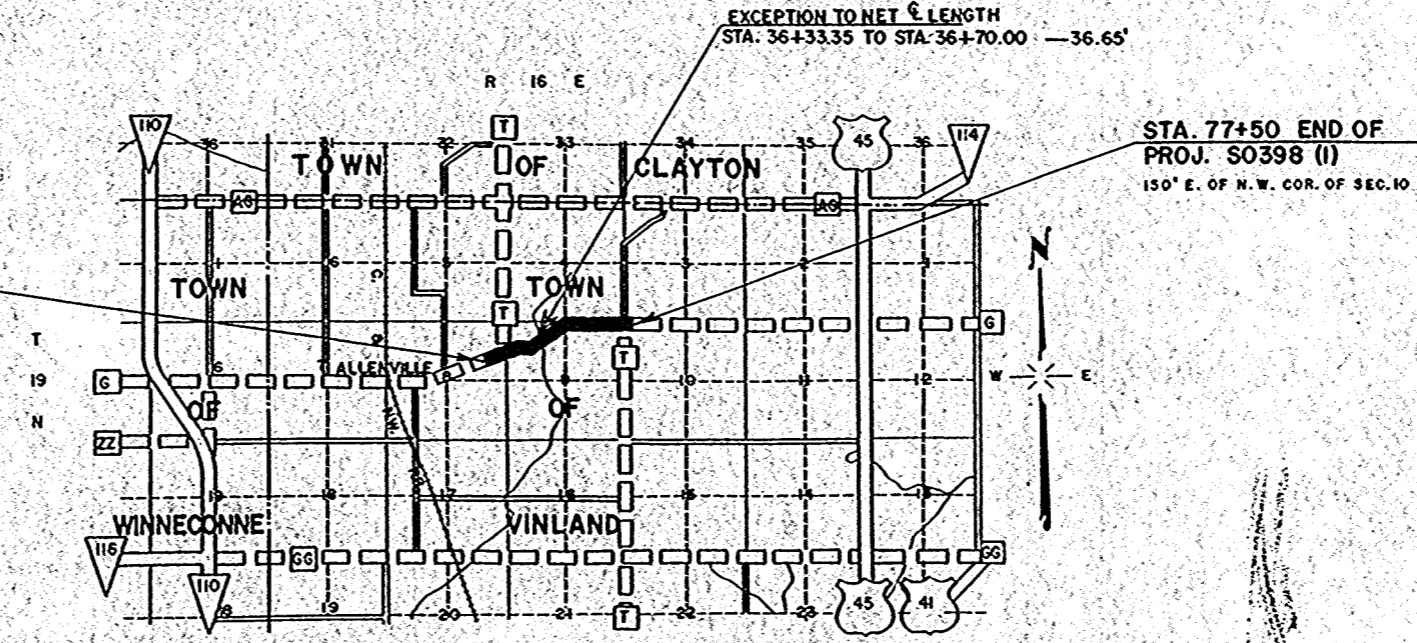
STATE OF WISCONSIN
STATE HIGHWAY COMMISSION OF WISCONSIN

PLAN AND PROFILE OF PROPOSED
ALLENVILLE — U.S.H. 45 ROAD
C.T.H. "G"
WINNEBAGO COUNTY
PROJECT S0398(I)

SCALES | PLAN 1 IN. = 200 FT.
| PROFILE HOR. 1 IN. = 200 FT. VERT. 1 IN. = 10 FT.
| CROSS SECTIONS HOR. 1 IN. = 5 FT. VERT. 1 IN. = 5 FT.

COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT		FEDERAL DIVISION OFFICE	SHEET NUMBER	TOTAL SHEETS
		STATE	FEDERAL			
70.6	398.0		11.1	WIS. 4	1	9

STA. 13+50 BEG. OF PROJ. S0398 (I)
(1167.15' SOUTH & (621.55' WEST OF N.E. COR. OF SEC. 8



STA. 77+50 END OF PROJ. S0398 (I)
150' E. OF N.W. COR. OF SEC. 10

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 | ----- |
| { BARBED | ----- | MARSH | ----- |
| LOT LINE | ----- | HEDGE | ----- |
| CORPORATE OR CITY LIMITS | ----- | TREES | ----- |
| PROPERTY LINE | ----- | GROUND ELEVATION | ----- |
| TRAVELED WAY OR P.E. | ----- | GRADE ELEVATION | ----- |
| RAILROADS | ----- | | |
| BASE OR SURVEY LINE | ----- | | |

LAYOUT
SCALE 1" = 1 MILE

TOTAL NET LENGTH OF CENTERLINE = 1.205 MI.

STATE HIGHWAY COMMISSION OF WISCONSIN
MADISON, WIS.

BY: P.L.J. DATE: 12-3-57 CHECKER: W.D.

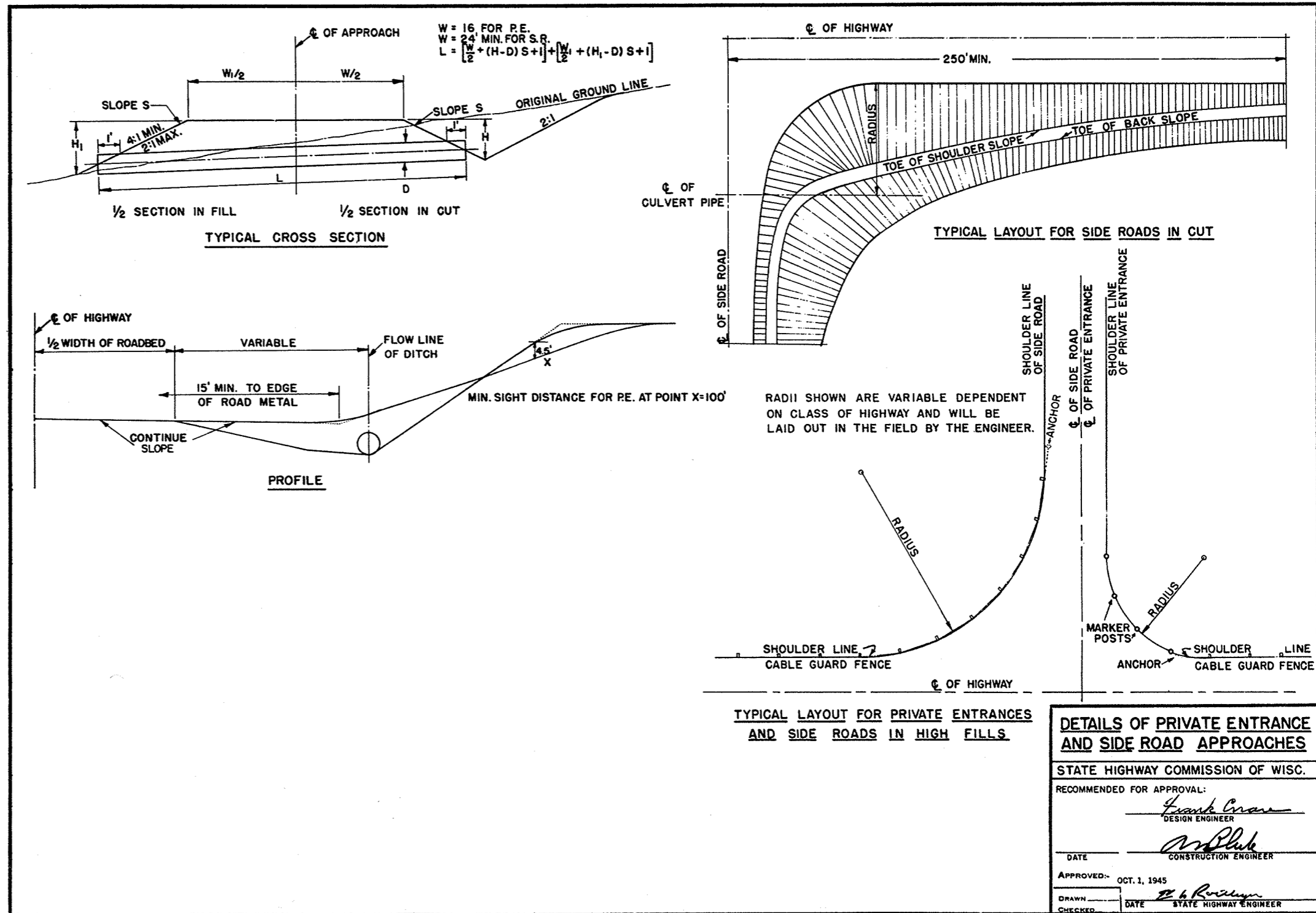
DATE: 1-20-58 APPROVED: J.P. Pitt

DATE: 1/20/58 APPROVED: P.L.J.

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS

APPROVED: _____ DATE: _____

S0398(I)



DETAILS OF PRIVATE ENTRANCE AND SIDE ROAD APPROACHES

STATE HIGHWAY COMMISSION OF WISC.

RECOMMENDED FOR APPROVAL:

Frank Crane
DESIGN ENGINEER

M. Bluh
CONSTRUCTION ENGINEER

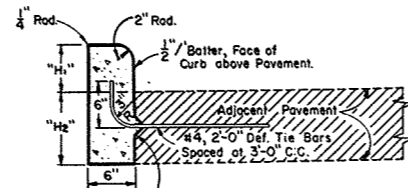
DATE _____

APPROVED: OCT. 1, 1945

B. H. Rossmore
STATE HIGHWAY ENGINEER

DRAWN _____ DATE _____

CHECKED _____



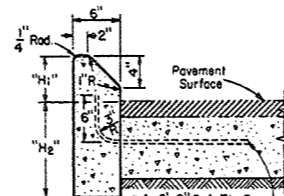
Tie Bar recess positioned in reverse when Concrete Curb is constructed first.

"H₁" = 9" max. and 3 1/2" min. and shall be 6" unless otherwise shown on the plans.

"H₂" = Same as adjacent pavement thickness for rigid pavement and 12" for other than rigid pavement (Tie Bars Omitted)

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

CONCRETE CURB

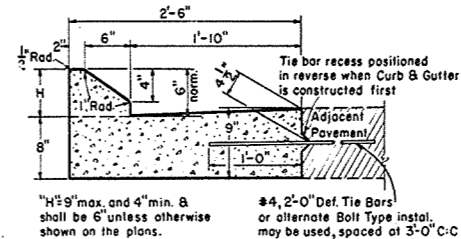


"H₁" = 9" Max. and 4" min. and shall be 6" unless otherwise shown on plans.

"H₂" = Same as adjacent pavement thickness for rigid pavement and 12" for other than rigid pavement (Tie Bars Omitted)

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

CONCRETE CURB (Mountable Type)

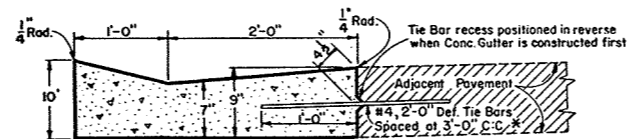


"H" = 9" max. and 4" min. & shall be 6" unless otherwise shown on the plans.

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

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

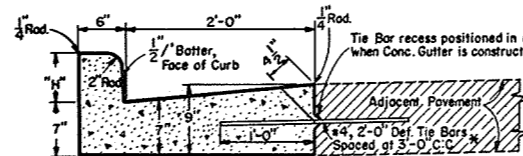
CONCRETE CURB AND GUTTER (Mountable Type)



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

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

CONCRETE GUTTER

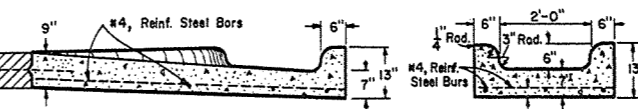
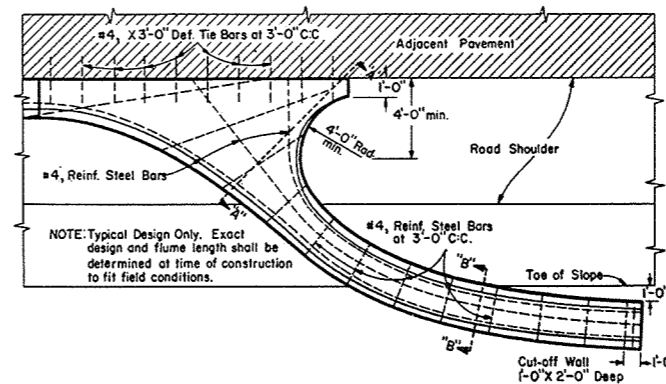


"H" = 9" Max., 3 1/2" Min. and shall be 6" unless otherwise shown on the plans.

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

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

CONCRETE CURB AND GUTTER (Barrier Type)



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

CONCRETE INLET OR DISCHARGE FOR CURB AND GUTTER SURFACE DRAIN

GENERAL NOTES

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

JOINTS—Construction joints or full section joints formed by steel separator plates approximately 1/8" in thickness shall be installed in concrete Curb and/or Gutter at transverse joint spacings as follows:

- 1-When concrete curb and/or gutter is to be constructed adjacent to and adjoining previously constructed concrete pavement, full section joints shall be placed in Curb and/or Gutter opposite all adjacent transverse pavement joints and major transverse pavement cracks, with a maximum of 40 feet and a minimum of 6 feet joint spacing.
- 2-When concrete Curb and/or Gutter is to be constructed prior to proposed adjacent and adjoining concrete pavements, full section joints shall be placed in the Curb and/or Gutter opposite all transverse joints in such proposed pavements, with a maximum of 40 feet and a minimum of 6 feet joint spacing.
- 3-When concrete Curb and/or Gutter is to be constructed adjacent to present or proposed adjoining flexible surfaces and/or bases, full section joints shall be placed at a maximum of 40 feet and a minimum of 6 feet joint spacing.
- 4-Joints shall be installed at a reduced spacing of 50 percent of the foregoing designated spacings as directed by the Engineer in order to coincide with the locations of manholes or other fixtures imbedded in the structure, and to adjust for construction and expansion joints, but in no case less than 6 feet joint spacing.

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

BID ITEMS-

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

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

STATE HIGHWAY COMMISSION OF WISCONSIN

RECOMMENDED FOR APPROVAL:

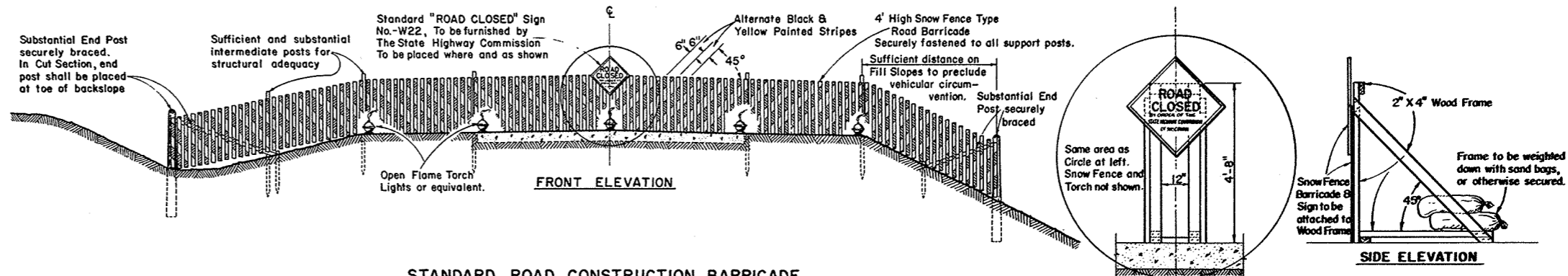
9-28-57
DATE

APPROVED:

3/28/57
DATE

J. S. Pelt
ENGINEER OF DESIGN

E. C. Restina
STATE HIGHWAY ENGINEER



STANDARD ROAD CONSTRUCTION BARRICADE

SNOW FENCE TYPE-"A"

WOOD FRAME SUPPORT AT 6' 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.

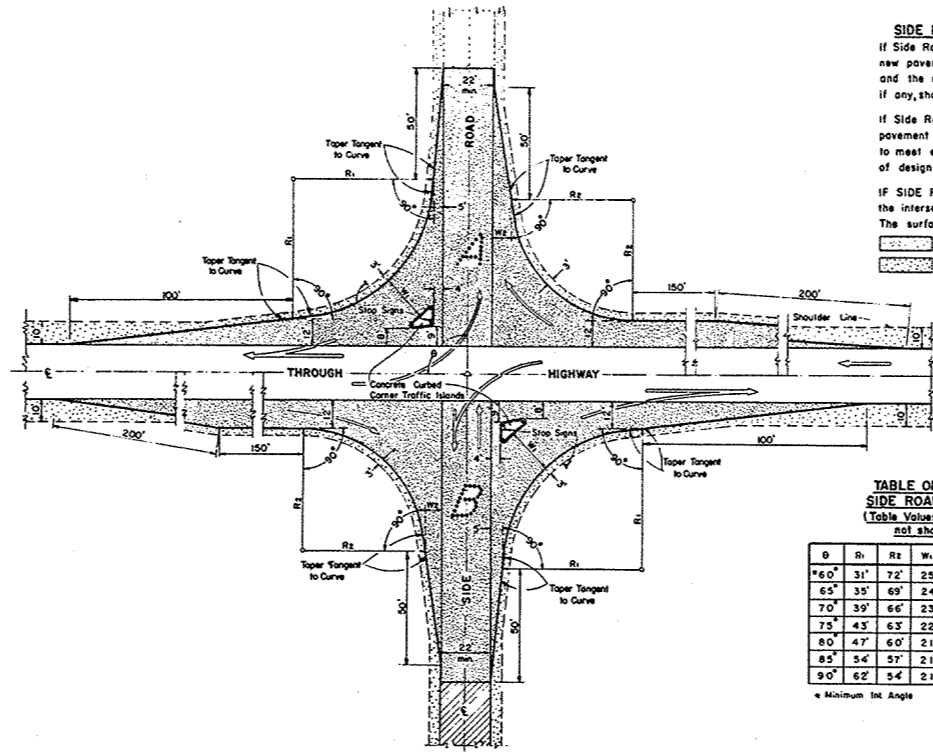
ALTERNATE DESIGNS

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:	
DATE: <u>6/2/55</u>	<i>J. d. Pelt</i> ENGINEER OF DESIGN
APPROVED:	
DATE: <u>6/2/55</u>	<i>E. C. Rustigen</i> STATE HIGHWAY ENGINEER

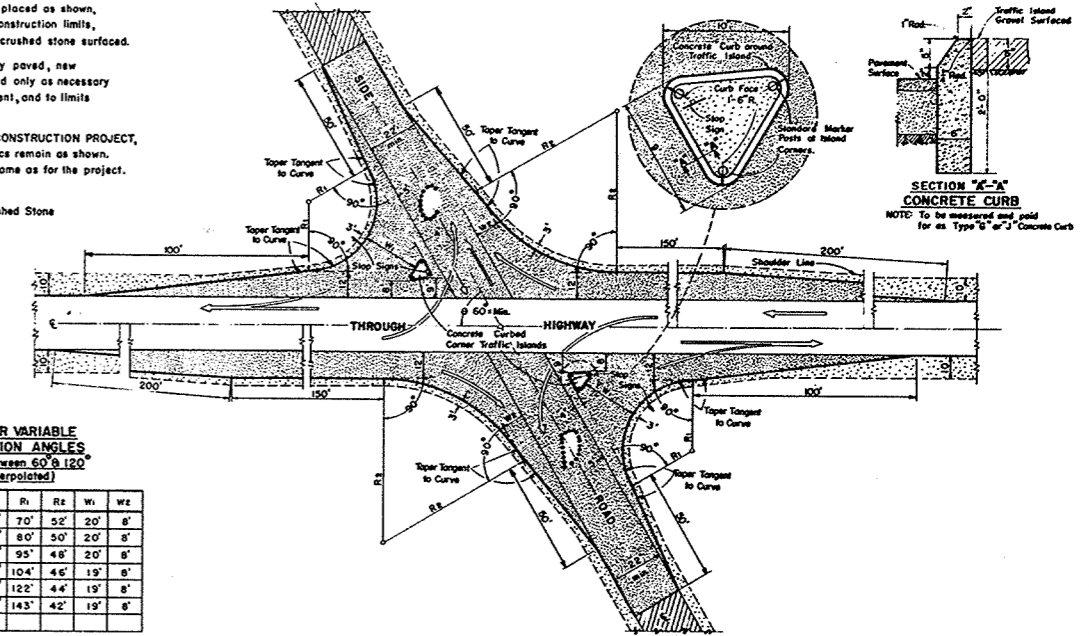


SIDE ROAD SURFACING NOTE
 If Side Road is not presently surfaced, new pavement shall be placed as shown, and the remainder to construction limits, if any, shall be gravel or crushed stone surfaced.
 If Side Road is presently paved, new pavement shall be placed only as necessary to meet existing pavement, and to limits of design as shown.
 IF SIDE ROAD IS THE CONSTRUCTION PROJECT, the intersection geometrics remain as shown. The surfacing shall be same as for the project.
 — Pavement
 — Gravel or Crushed Stone

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

θ	R ₁	R ₂	W ₁	W ₂	θ	R ₁	R ₂	W ₁	W ₂
*60°	31'	72'	25'	10'	95°	70'	52'	20'	8'
65°	35'	69'	24'	9'	100°	80'	50'	20'	8'
70°	39'	66'	23'	8'	105°	95'	48'	20'	8'
75°	43'	63'	22'	8'	110°	104'	46'	19'	8'
80°	47'	60'	21'	8'	115°	122'	44'	19'	8'
85°	54'	57'	21'	8'	**120°	143'	42'	19'	8'
90°	62'	54'	21'	8'					

* Minimum Int. Angle ** Maximum Int. Angle



MAJOR SIDE ROAD INTERSECTION DESIGN DETAILS
 To be used only when current ADT on Through Highway is 1500 or over, and on Side Road is Over 200

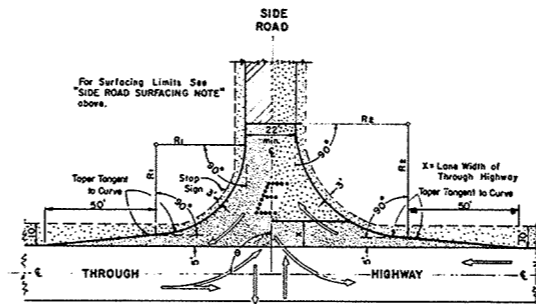


TABLE OF VALUES FOR VARIABLE SIDE ROAD INTERSECTION ANGLES
 (Table Values for Angles between 60° & 120° not shown shall be interpolated)

θ	R ₁	R ₂	θ	R ₁	R ₂
*60°	40'	30'	95°	45'	49'
65°	40'	30'	100°	50'	48'
70°	40'	30'	105°	55'	47'
75°	40'	30'	110°	60'	46'
80°	40'	30'	115°	65'	45'
85°	40'	30'	**120°	70'	44'
90°	40'	30'			

* 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
 APPROVED: [Signature]
 DATE: 1/17/58
 [Signature]
 STATE HIGHWAY ENGINEER

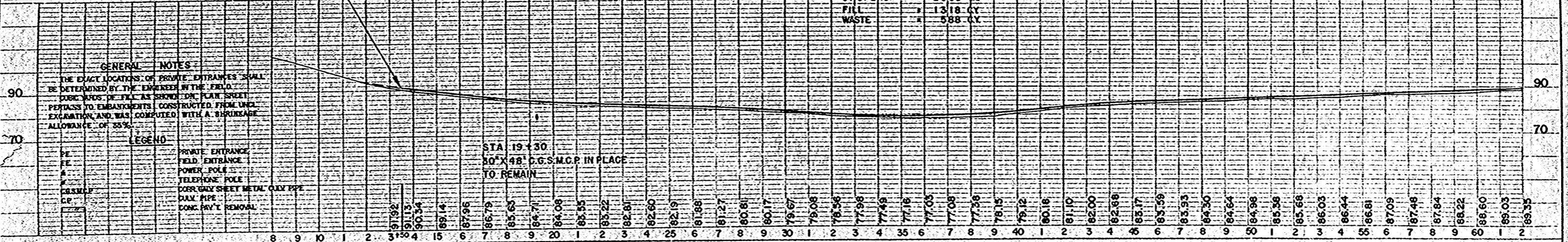
NO.	STATION	DESCRIPTION	ELEV.
1	13+15	SPIKE IN 2" EUM 30" U.	85.00

STA. 13+50 BEG. OF PROJ. S 0398 (I)

STATION TO STATION	LIN. FT.	
13+50	60+00	4650

PI	20+62.1
L	193°-54'
Δ	13°-54'
D	2°-00'
T	34921'
L.C.	695.00'
S.E.	0.04%

PI	45+99.55
L	198°-10'
Δ	18°-10'
D	3°-00'
T	305.36'
L.C.	605.55'
S.E.	0.06%

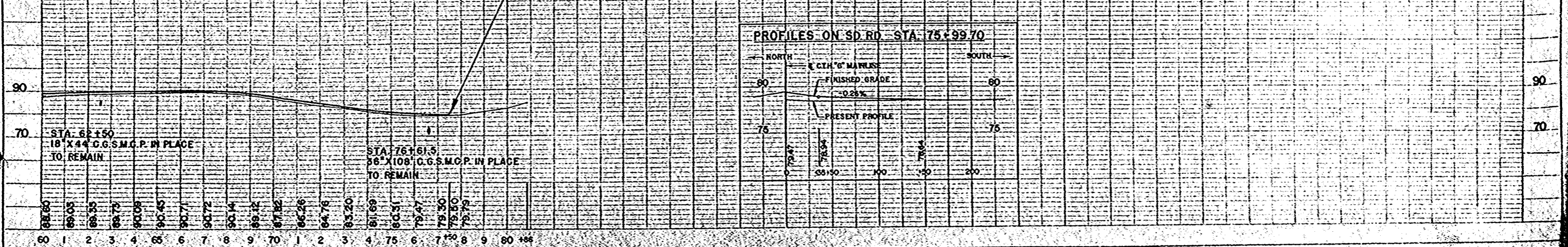


NO.	STATION	DESCRIPTION	ELEV.
2	76+50	PL. PK. TOP C.G.S.M.C.P. 24" U.	78.02

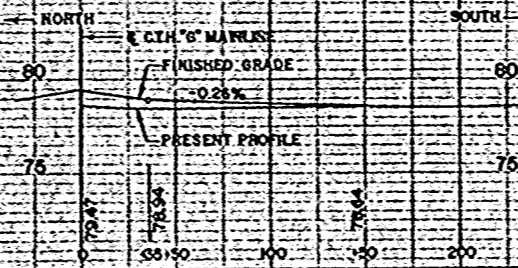
STA. 77+50 END OF PROJ. S 0398 (I)

STATION TO STATION	LIN. FT.	
60+00	77+50	1750

PI	67+47.50
L	181°-09'
Δ	1°-09'
D	0°-08'
T	43144'
L.C.	862.50'



PROFILES ON SD. RD. STA. 75+99.70

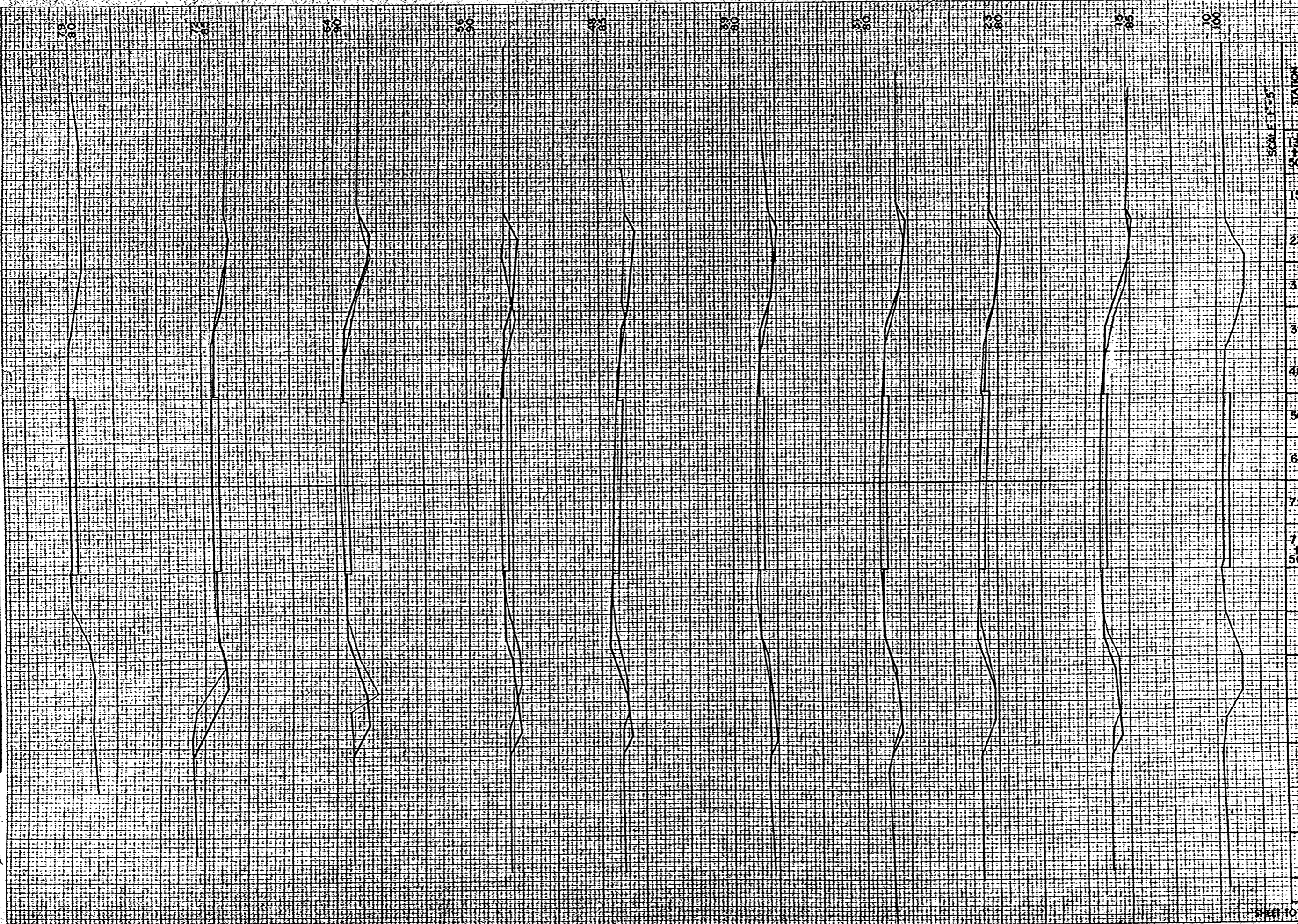


PLAN
NO. 21
DATE: 11-27-07
BY: J. W. B. / J. W. B.

PROFILE
NO. 21
DATE: 11-27-07
BY: J. W. B. / J. W. B.

FINAL SURVEY
 DATE: 7-27-57
 BY: W.F.A.
 CHECKED: J.L.S.
 NO. 21

ORIGINAL SURVEY
 DATE: 7-27-57
 BY: W.F.A.
 CHECKED: J.L.S.
 NO. 21



W.P.A. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S 0398 (11)	9	9

STATION	DISTANCE	YARDAGE	
		EXCAVATION	FILL
50	15		28
15	133		222
23	133		104
31	222		59
39	367		150
48	400		281
56	385		326
64	489		148
72	224		0
77			
50			
SHEET TOTAL		2368	1318

JOB TOTAL • 2368 1318