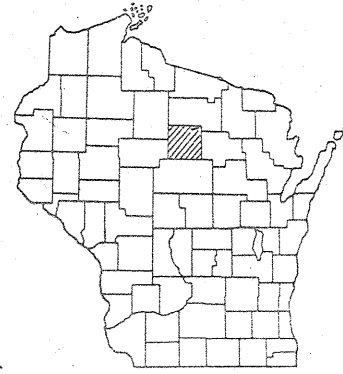


INDEX OF SHEETS

- SHEET NO. 1 TITLE
- SHEET NO. 2-3 TYPICAL CROSS SECTIONS
- SHEET NO. 3 ESTIMATE OF QUANTITIES
- SHEET NO. 3A MISCELLANEOUS QUANTITIES
- SHEET NO. - RIGHT OF WAY PLAT
- SHEET NO. 4-7 PLAN AND PROFILE STA. 10+00 TO STA. 94+55
- SHEET NO. 8-11 STANDARD DETAILS
- SHEET NO. - DRAINAGE STRUCTURES
- SHEET NO. 12-49 CROSS SECTIONS

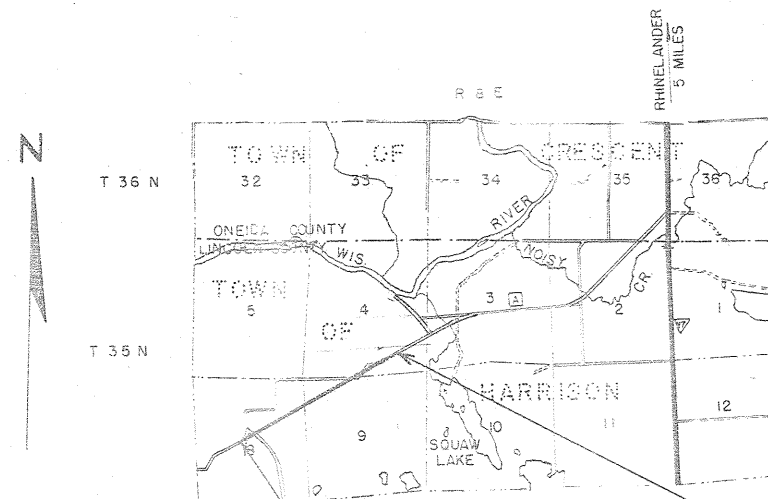


STATE OF WISCONSIN
STATE HIGHWAY COMMISSION OF WISCONSIN

PLAN AND PROFILE OF PROPOSED
TOMAHAWK - S.T.H. 17 ROAD
C.T.H. "A"
LINCOLN COUNTY
PROJECT S 1180 (3)

COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT		S.P.P. REGION DIVISION	SHEET NUMBER	TOTAL SHEETS
		STATE	FEDERAL			
35.6	1180.0		113	4 WIS.	1	49

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.



END PROJECT S 1180 (3)
STA. 94+55
-BEGINNING OF PROJECT S 1180 (1)
1200' S. & 980' W. OF E. 1/4 COR.
SEC. 4, T 35 N, R 8 E

BEGINNING OF PROJECT S 1180 (3)
STA. 10+00
500' W. & 35' S. OF CENTER OF
SEC. 6, T 35 N, R 8 E

LAYOUT
SCALE 1 MILE

TOTAL NET LENGTH OF CENTERLINE = 1.601 MI.

CONVENTIONAL SIGNS

- | | |
|--|--|
| <ul style="list-style-type: none"> STATE LINE COUNTY LINE TOWNSHIP OR RANGE LINE SECTION LINE NEW RIGHT OF WAY LINE PRESENT RIGHT OF WAY LINE WIRE FENCE { WOVEN, BARBED } LOT LINE CORPORATE OR CITY LIMITS PROPERTY LINE TRAVELED WAY OR P.E. RAILROADS BASE OR SURVEY LINE | <ul style="list-style-type: none"> CULVERTS IN PLACE CULVERTS REQUIRED DROP INLET POWER POLE TELEPHONE OR TELEGRAPH POLE RIGHT OF WAY MARKERS REFERENCE STAKE FOR HUBS ONLY MARSH HEDGE TREES GROUND ELEVATION GRADE ELEVATION |
|--|--|

APPROVED FOR LINCOLN COUNTY

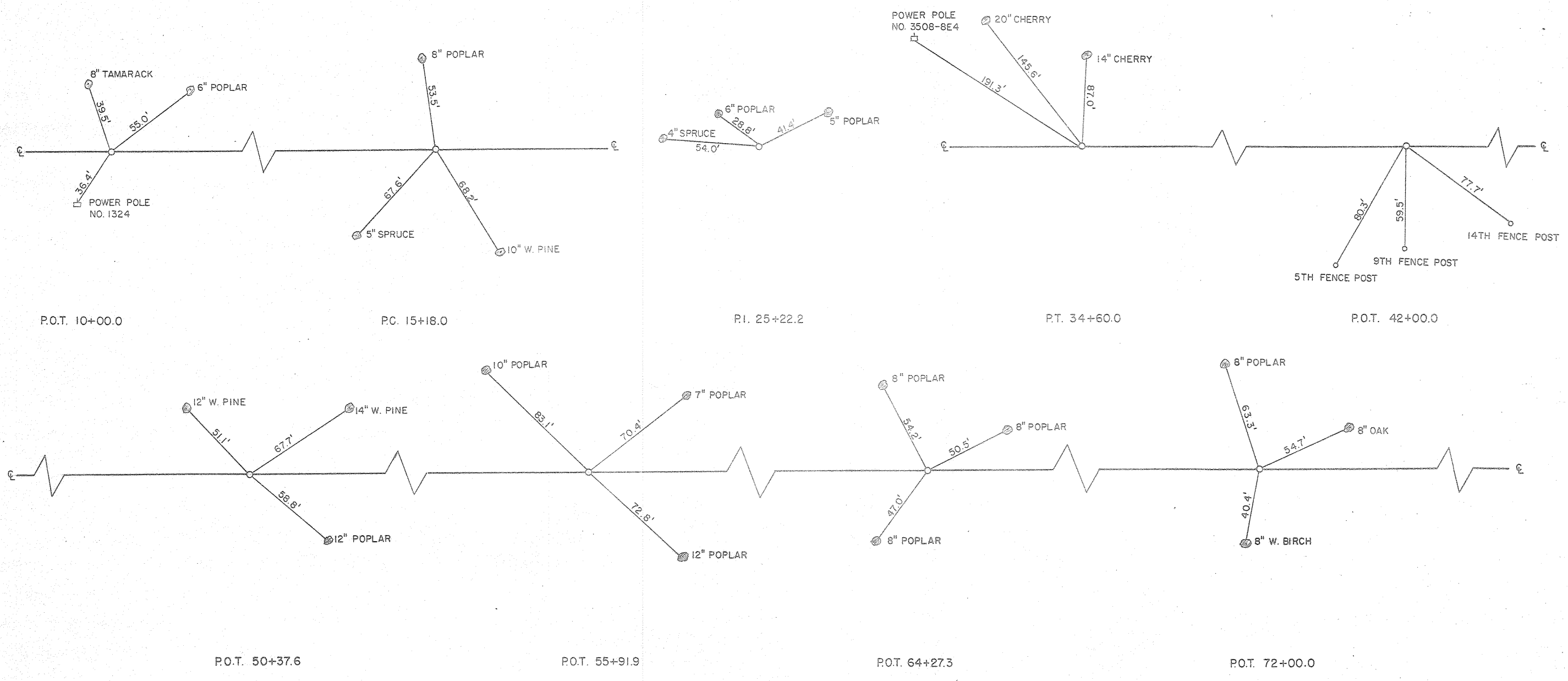
Francis X Fox

Date _____ Title _____

STATE HIGHWAY COMMISSION OF WISCONSIN MADISON, WIS.	
SURVEYOR: H. OHM	NOTE BOOK: 196
DIVISION COMPUTER: MC NOWN	M. O. CHECKER: RLC
DISTRICT CHECKER: P JOHNSON	CORRECT: _____
DATE: 4/28/63	<i>Mark Little</i> DISTRICT ENGINEER
RECOMMENDED FOR APPROVAL:	
DATE: 6-4-63	<i>J.S. Fox</i> ENGINEER OF DESIGN
DATE: 6/4/63	<i>E.L. Rettig</i> STATE HIGHWAY ENGINEER
DEPARTMENT OF COMMERCE BUREAU OF PUBLIC ROADS	
APPROVED: _____	DATE: _____
DIVISION ENGINEER	

S 1180 (3)

PROJECT	SHEET NUMBER	TOTAL SHEETS
SI180(3)	2	49



REFERENCE DETAILS

ESTIMATE OF QUANTITIES

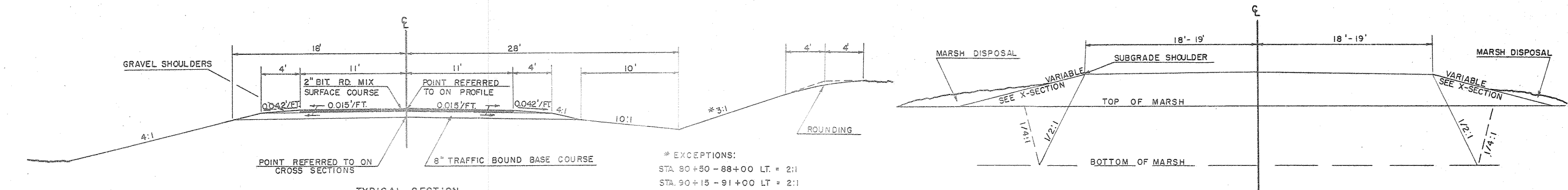
CONTRACT NO. 1

PROJECT	SHEET NUMBER	TOTAL SHEETS
S 1180 (3)	3	49

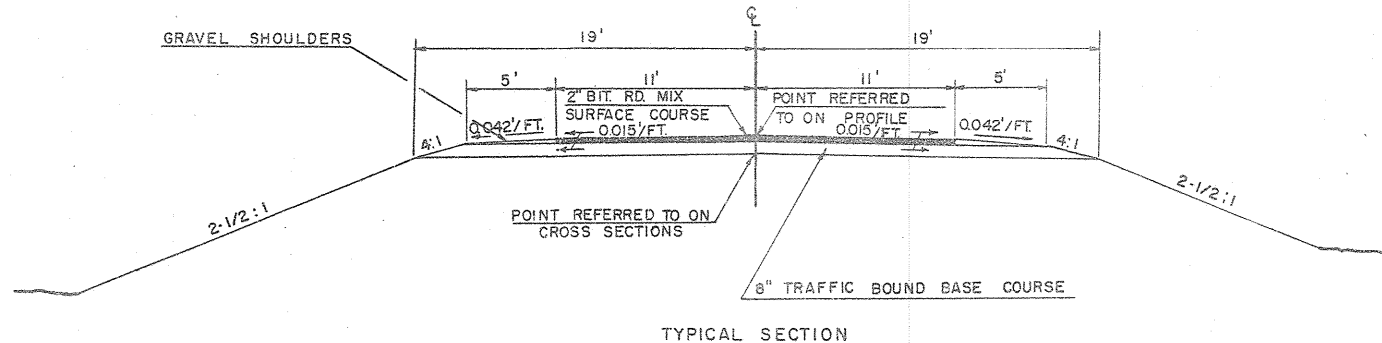
THIS PROJECT IS TO BE EXECUTED UNDER THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION OF THE STATE HIGHWAY COMMISSION OF WISCONSIN—EDITION OF 1963
SUBMITTED FOR APPROVAL JAN. 25, 1963 AND SPECIAL PROVISIONS AS ATTACHED TO PROPOSALS.

STATION TO STATION	NET LENGTH OF CENTER LINE	CLEARING	GRUBBING	UNCLASSIFIED EXCAVATION	MARSH EXCAVATION	FINISHING ROADWAY	TRAFFIC BOUND BASE COURSE	BITUMINOUS ROAD MIX SURFACE	BITUMINOUS MATERIAL FOR SURFACE COURSE	AGGREGATES FOR BITUMINOUS ROAD MIX SURFACE	MORTAR RUBBLE MASONRY	CULVERT PIPE CLASS III		MARKER POSTS	MARKER POSTS FOR RIGHT-OF-WAY	SODDING
												18" INCH	24" INCH			
ITEM NO.		20103	20106	20503	20505	21301	30501	40401	40403	40406	51801	52003	52005	61421	61422	63101
UNIT	LIN. FT.	ACRE	ACRE	CU. YD.	CU. YD.	LUMP SUM	CU. YD.	SQ. YD.	GALLON	CU. YD.	CU. YD.	LIN. FT.	LIN. FT.	EACH	EACH	SQ. YD.
10 + 00 - 94 + 55	8455.0	11	11	87,000	6900	1	9000	20,800	28,000	1850	16	130	378	32	27	1000
TOTALS	8455.0	11	11	87,000	6900	1	9000	20,800	28,000	1850	16	130	378	32	27	1000

* INCLUDES SHOULDER GRAVEL



MARSH EXCAVATION
STA. 21+45 - 24+00
STA. 37+70 - 40+55
STA. 61+70 - 62+90



GENERAL NOTES:

NOTE: WHEN THE QUANTITY OF THE ITEMS OF SUBBASE, BASE OR SURFACE COURSE IS MEASURED FOR PAYMENT BY THE TON OR CUBIC YARD, THE DEPTH OR THICKNESS OF THE COURSE SHOWN ON THE PLANS IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.

NOTE: THE TOP 6" OF THE SUBGRADE SOIL SHALL MEET THE REQUIREMENTS OF SECTION 212.2.2 OF THE STANDARD SPECIFICATIONS, EDITION OF 1963 OR BE REPLACED BY SUITABLE MATERIAL.

NOTE: SUPERELEVATION TRANSITION OR RUNOFF ON ALL CURVES SHALL BE COMPUTED WITH TWO THIRDS OF THE TOTAL TRANSITION ON THE TANGENT APPROACH AND ONE THIRD WITHIN THE CURVE. SEE PLAN FOR RATE OF SUPERELEVATION. THE SHOULDERS SHALL BE BUILT TO FULL 2" DEPTH WITH THE EXCEPTION OF A 2 FOOT VERTICAL CURVE ON THE HIGH SIDE OF THE CURVE.

APPLICABLE STANDARD DETAIL DRAWINGS

- 6-2.4.3 MORTAR RUBBLE MASONRY OR RIPRAP FOR CULVERT & CATTLE PASS END WALLS
- 6-2.5.2 RIPRAP AT SIDE ROAD CULVERTS & RIPRAP OR SOD AT PRIVATE ENTRANCE CULVERTS
- 7-1.3.4 MARKER POST & MARKER POSTS FOR RIGHT OF WAY
- 8-13.1 DITCH CHECKS, MORTAR RUBBLE MASONRY & SOD

PROJECT	SHEET NO.	TOTAL SHEETS
S 1180 (3)	3A	49

DETAIL SUMMARY OF MISCELLANEOUS QUANTITIES

CLEARING & GRUBBING
STA.-STA.

	<u>ACRES</u>
10+00 - 29+00	2.7
29+00 - 42+70	0.0
42+70 - 52+00	2.7
52+00 - 66+60	2.4
66+60 - 86+00	<u>3.2</u>
TOTAL	11.0

UNCLASSIFIED EXCAVATION
STATION

	<u>CU.YDS.</u>
10+00 - 34+60	16,179
34+60 - 52+00	27,351
52+00 - 87+60	42,605
E.B.S.	<u>865</u>
TOTAL	87,000

MARSH EXCAVATION
STATION

	<u>CU. YDS.</u>
21+45 - 24+00	717
37+70 - 40+55	6,122
61+70 - 62+90	<u>61</u>
TOTAL	6,900

EXCAVATION BELOW SUBGRADE
STATION-STATION

	<u>CU.YDS.</u>
15+00 - 16+00	150
21+00 - 21+50	50
26+50 - 27+50	100
36+00 - 37+20	115
42+00 - 42+50	50
51+50 - 52+00	50
58+00 - 60+00	150
68+00 - 68+50	50
71+50 - 72+00	50
79+50 - 80+00	<u>100</u>
TOTAL	865

TRAFFIC BOUND BASE COURSE

	<u>CU.YDS.</u>
Roadway Sta. 10+00 - 92+00	8,448
Town Roads & P.E.s	<u>552</u>
TOTAL	9,000

MARKER POSTS
LOCATION

	<u>NO.</u>
37+50 - 41+00 Lt. & Rt.	16

72+00 - 79+00 Lt.	8
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Culvert Schedule

TOTAL	8
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MARKER POSTS FOR RIGHT OF WAY
STATION

	<u>NO.</u>
10+00 - 25+00	8
25+00 - 55+00	7
55+00 - 85+00	8
85+00 - 94+55	<u>4</u>
TOTAL	27

CULVERT SCHEDULE

<u>STATION</u>	<u>APP.</u>	<u>LOCATION</u>		<u>CULVERT PIPE</u>		<u>MORTAR RUBBLE MASONRY</u>	<u>MARKER POSTS</u>
		<u>LT.</u>	<u>RT.</u>	<u>18"</u>	<u>24"</u>		
15+00	Tn.Rd.	x		50		2.0	
17+00	Tn.Rd.		x	50		2.0	
21+60		x			74 50 + 8A	2.0	2
28+50		x			76	2.0	2
34+75	P.E.		x	30		2.0	
37+90		x			100	2.0	2
53+00		x			58	2.0	2
65+50	Tn.Rd.		x		70 20 + 3A	2.0	
TOTALS				<u>30</u>	<u>378</u>	16.0	8

SODDING
LOCATION (STATION)

	<u>TYPE</u>	<u>NO.</u>	<u>SIZE</u>	<u>SQ.YDS.</u>
42+00 - 42+30 Lt. & Rt.	Flume	2	15x30	60
68+00 - 70+00 Lt. & Rt.	Checks	14	15x6	140
74+50 - 76+00 Rt.	"	5	15x6	50
79+50 - 82+00 Lt.	"	4	"	40
80+00 - 82+00 Rt.	"	3	"	30
84+00 - 91+00 Rt.	"	20	"	200
84+00 - 92+00 Lt.	"	22	"	220
91+00 - 91+50 Rt.	Flume	1	15x50	85
91+00 - 92+00 Lt.	Flume	1	15x100	175

TOTAL				<u>1,000</u>
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S.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S1180(3)	4	49

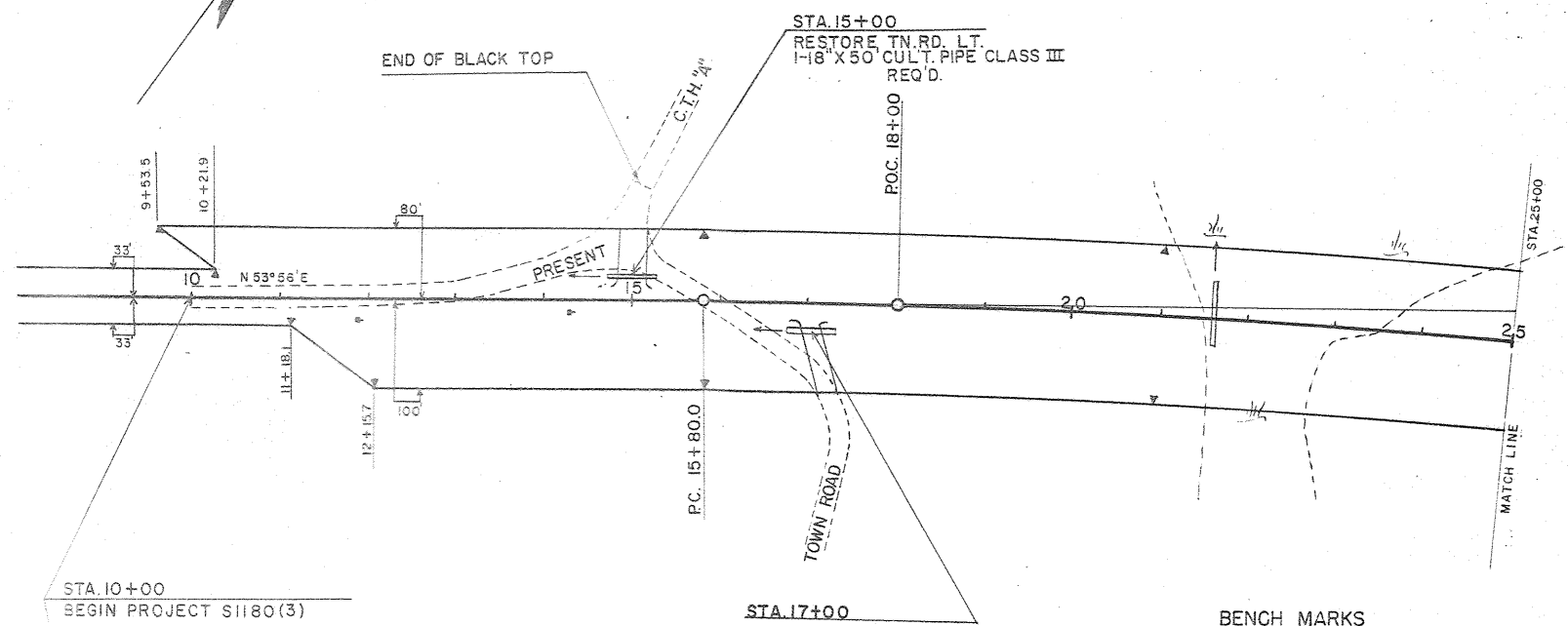
STA. 10+00 - 25+00
8 MARKER POST FOR RIGHT-OF-WAY REQ'D.

DATE 6/1
12/19/61
12/7/62

BY OHM
MEYER
HATLEBACK

DESIGNED BY
ALBERTSON
CHECKED
NO. 196

PLAN
NOTE BOOK
NO. 196



NET CENTERLINE LENGTH STA. 10+00-25+00=1500 LIN. FT

RESTORE TN. RD. RT. 1-18" X 50' CULT. PIPE CLASS III REQ'D.

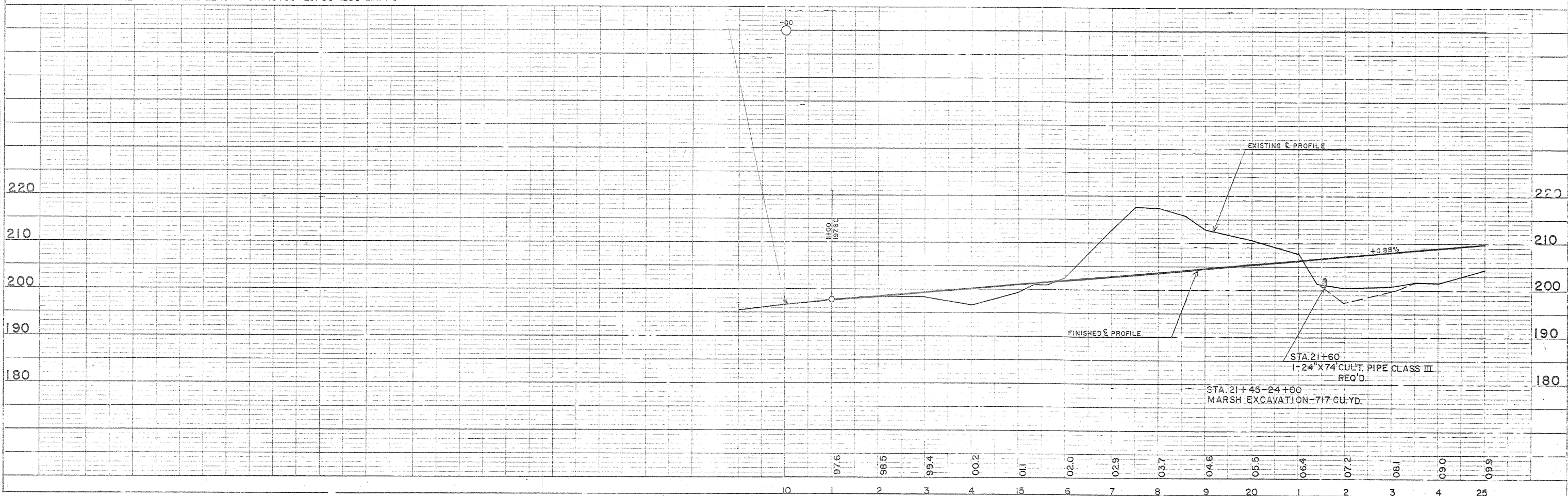
BENCH MARKS			
NO	STA	DESCRIPTION	ELEV.
1	12+95	SPIKE IN 10" ASPEN	60' RT. 200.00
2	20+70	" " 14" NORWAY PINE	65' RT. 211.57

DATE 6/1
1/62
7-62

BY OHM
FVS
UJ

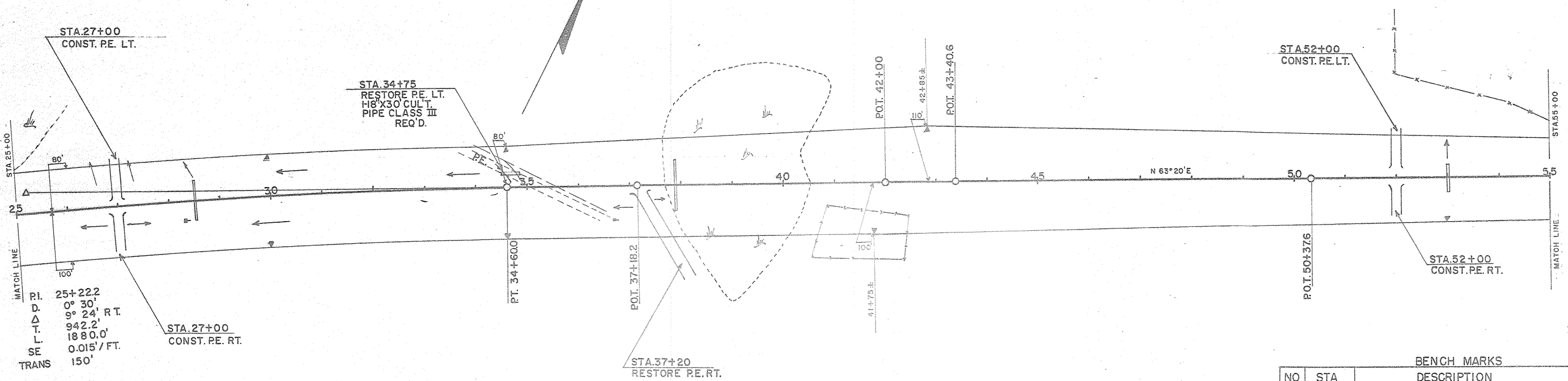
DESIGNED BY
ALBERTSON
CHECKED
NO. 196

PROFILE



E.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S1180(3)	5	49

STA. 25+00- 55+00
7 MARKER POSTS FOR RIGHT-OF-WAY REQ'D.



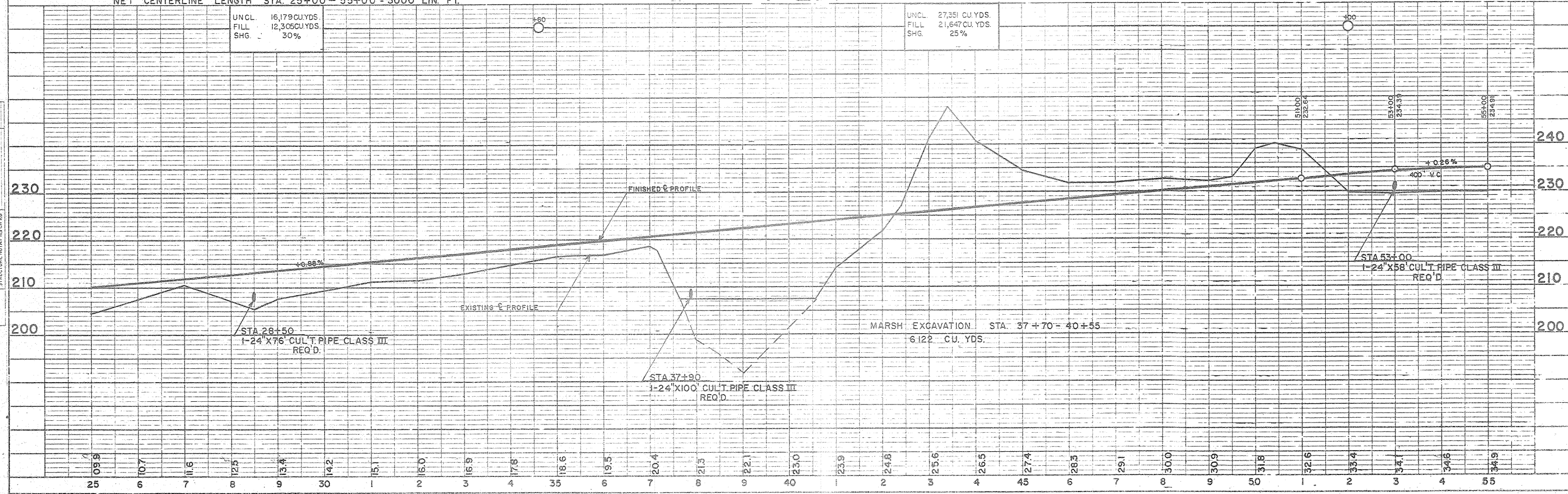
BENCH MARKS

NO	STA	DESCRIPTION	ELEV.
3	26+20	SPIKE IN 16" WHITE PINE	85' LT. 204.74
4	34+80	" " 16" TRIPLE CHERRY	85' LT. 216.50
5	46+65	" " 16" NORWAY PINE	60' LT. 230.67
6	55+10	" " 8" BIRCH	55' LT. 230.54

NET CENTERLINE LENGTH STA. 25+00 - 55+00 = 3000 LIN. FT.

UNCL.	16,179 CU.YDS.
FILL	12,305 CU.YDS.
SHG.	30%

UNCL.	27,351 CU.YDS.
FILL	21,647 CU.YDS.
SHG.	25%

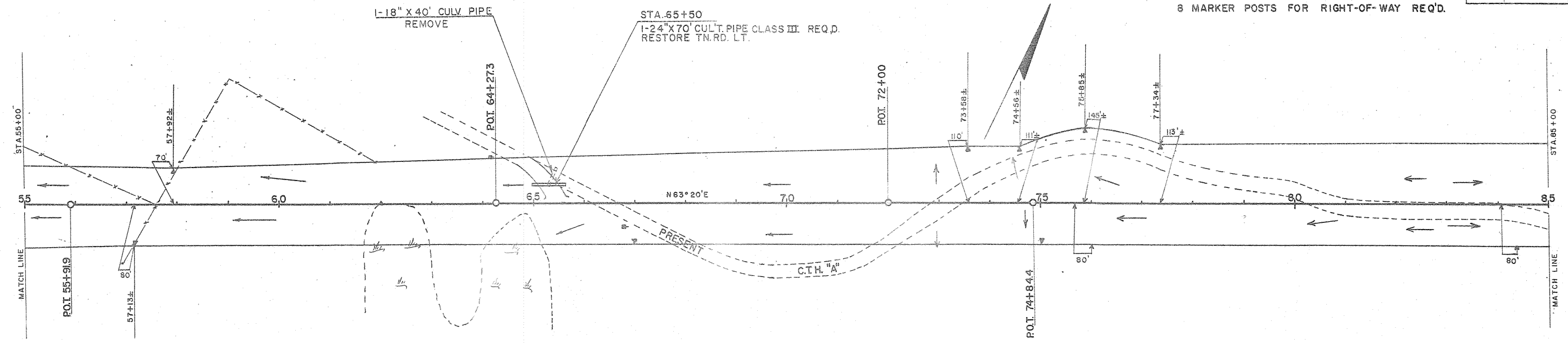


PLAN
SUBJECT: MEYER HATLEBACK
NOTE BOOK ALIGNMENT CHECKED
NO. 138

PROFILE
SUBJECT: MEYER HATLEBACK
NOTE BOOK ALIGNMENT CHECKED
NO. 138

S. P. R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S1180 (3)	6	49

STA 55+00 - 85+00
8 MARKER POSTS FOR RIGHT-OF-WAY REQ'D.



DATE: 12-61
BY: MEYER
CHECKED: HALLBACK
NO. 196

DATE: 1-62
BY: OWS
CHECKED: J.J.
NO. 196

BENCH MARKS

NO	STA	DESCRIPTION	ELEV.
6	55+10	SPIKE IN 8" BIRCH	55' LT. 230.54
7	65+50	" " 12" WHITE PINE	65' LT. 237.42
8	73+35	" " 10" ASPEN	85' RT. 260.13
9	80+85	" " 10" BIRCH	85' RT. 294.85

NET CENTERLINE LENGTH STA. 55+00 - 85+00 = 3000 LIN. FT.

UNCL. 42,605 CU. YDS.
FILL 34,101 CU. YDS.
SHG. 25%

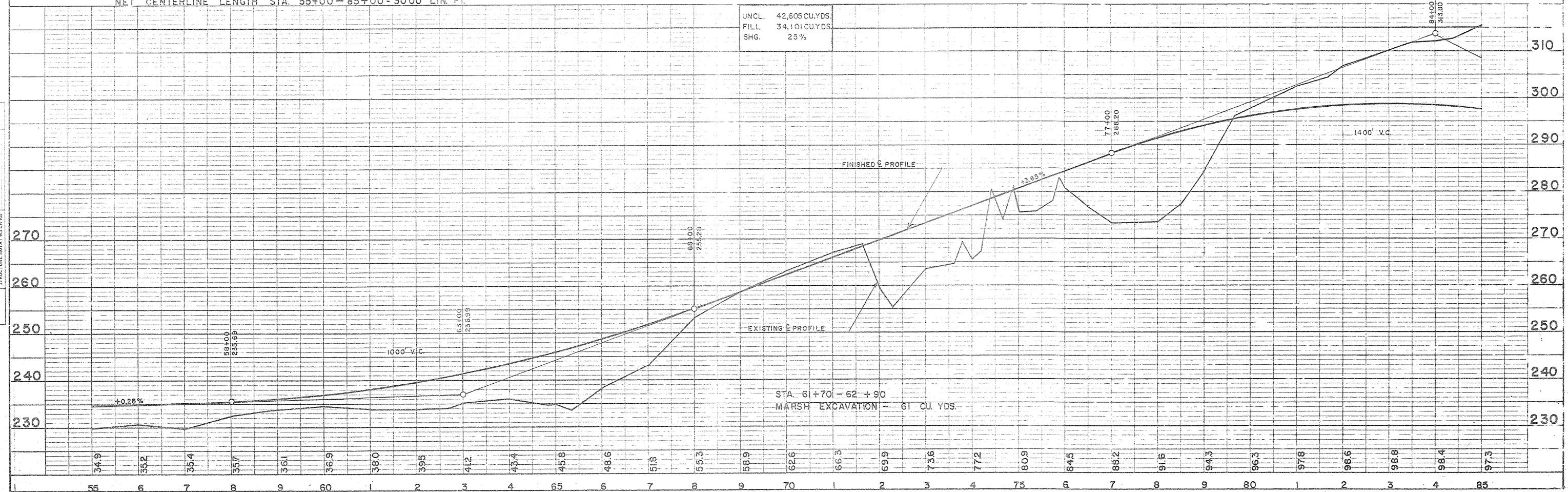


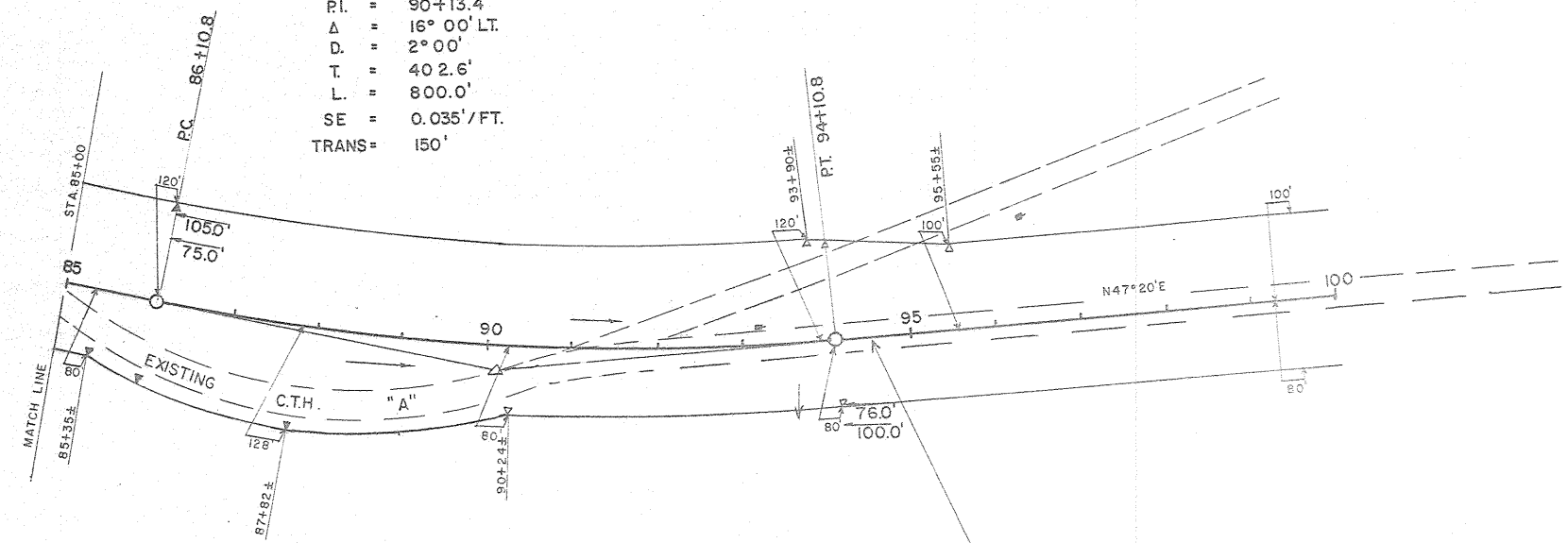
PLATE 1-PLAN-PROFILE S P R STANDARD

PLAN & PROFILE STA 55+00-85+00

E. P. R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S1180(3)	7	49

STA. 85+00 - 94+55
4 MARKER POSTS FOR RIGHT-OF-WAY REQ'D.

P.I. = 90+13.4
 Δ = 16° 00' LT.
 D. = 2° 00'
 T. = 402.6'
 L. = 800.0'
 SE = 0.035'/FT.
 TRANS = 150'

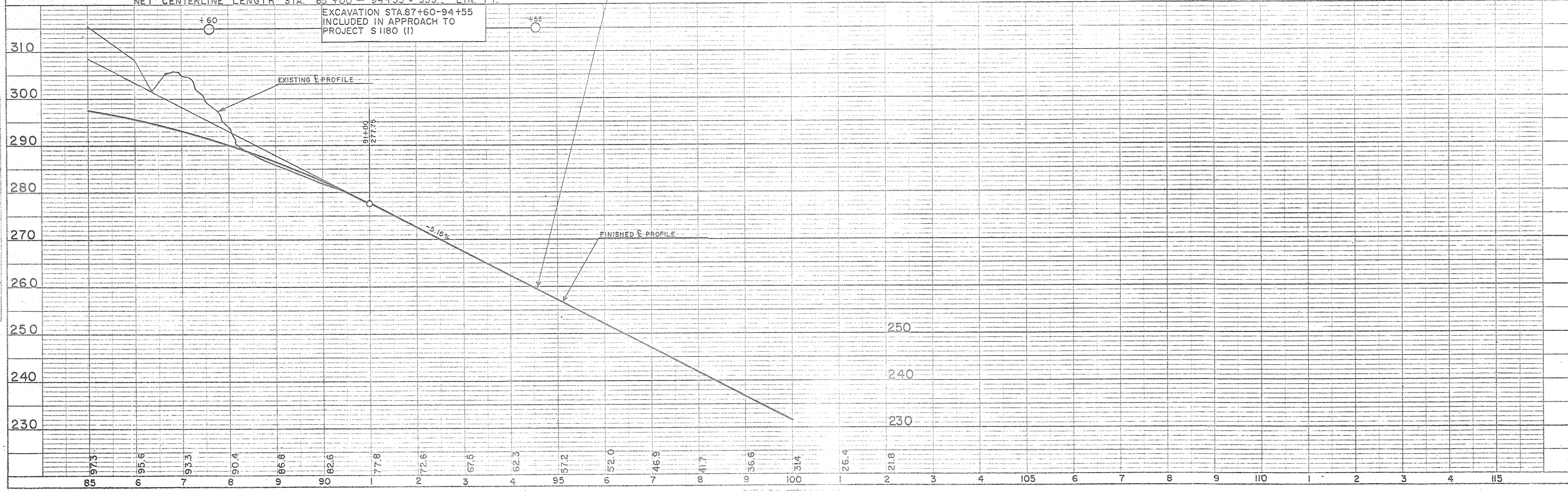


STA. 94+55
 END PROJECT S1180(3) =
 BEGIN PROJECT S1180(1)

BENCH MARKS				
NO.	STA.	DESCRIPTION		ELEV.
10A	90+70	SPIKE IN 8" ASPEN	120' RT.	273.70

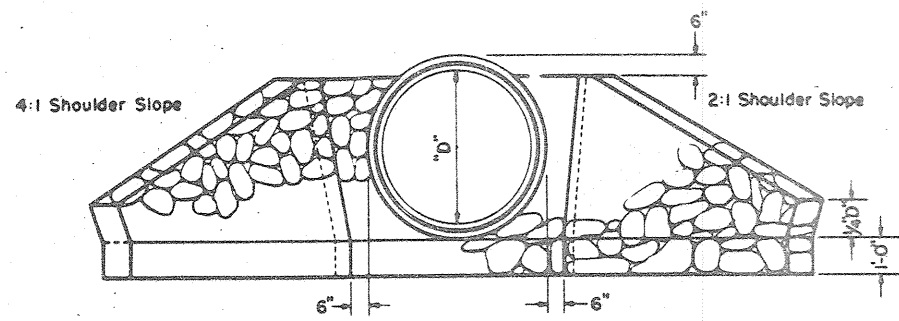
NET CENTERLINE LENGTH STA. 85+00 - 94+55 = 955 LIN. FT.

EXCAVATION STA. 87+60-94+55
 INCLUDED IN APPROACH TO
 PROJECT S1180 (1)

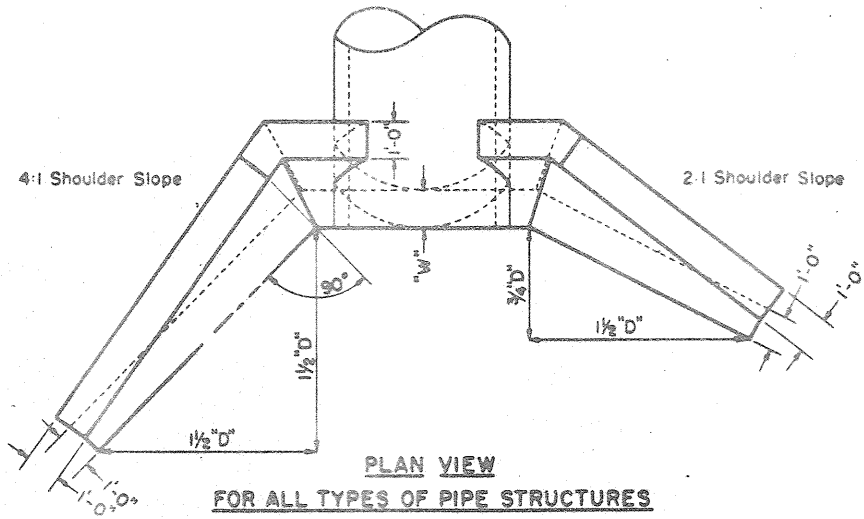


I. L. M. I. SURVEYOR
 NO. 196
 J. J.

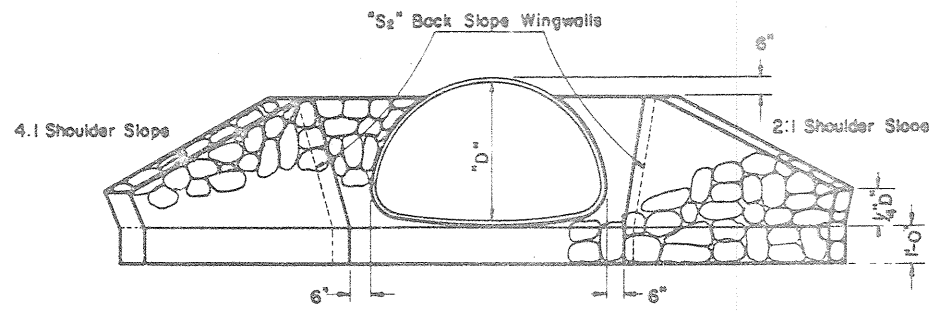
PROFILE
 NO. 196
 J. J.



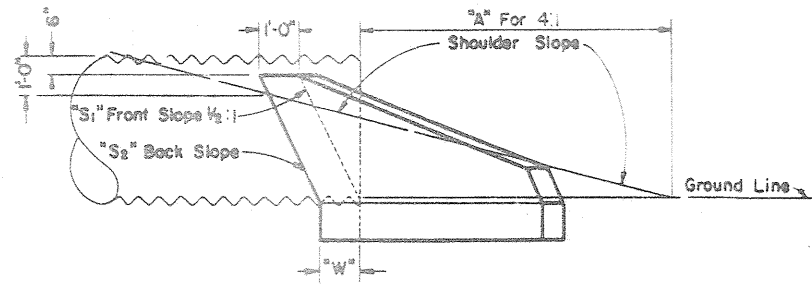
END ELEVATION
SHOWING CONCRETE CIRCULAR PIPE INCL. CATTLE PASS



PLAN VIEW
FOR ALL TYPES OF PIPE STRUCTURES



END ELEVATION
SHOWING CORRUGATED METAL PIPE ARCH



SIDE ELEVATION

CIRCULAR PIPE		Cu. Yds. Mortar Rubble Masonry or Riprap per Endwall		"A" (Feet)	"B" (Feet)	Front Slope "S1"	Back Slope "S2"	Width of Footing at "W" (Feet)
Size of Pipe	Type of Pipe	4:1 Slope	2:1 Slope	4:1 Slope	2:1 Slope			
24"	R.C.C.P.	1.2	1.0	3.4	0.8	1/2:1	1/2:1	1.0
	C.M.C.P.	1.0	0.8	2.8	0.6	"	"	"
30"	R.C.C.P.	1.5	1.3	5.1	1.5	"	"	"
	C.M.C.P.	1.3	1.0	4.6	1.3	"	"	"
36"	R.C.C.P.	2.0	1.6	6.9	2.3	"	"	"
	C.M.C.P.	1.7	1.3	6.3	2.1	"	"	"
42"	R.C.C.P.	2.6	2.1	8.9	3.1	"	"	"
	C.M.C.P.	2.2	1.7	8.1	2.9	"	"	"
48"	R.C.C.P.	3.2	2.6	10.7	3.9	"	"	"
	C.M.C.P.	2.8	2.2	9.8	3.6	"	"	"
60"	R.C.C.P.	8.4	6.9	14.5	5.5	"	1/4:1	2.38
	C.M.C.P.	6.9	5.9	13.3	5.2	"	"	2.20
72"	R.C.C.P.	12.4	9.9	18.3	7.1	"	"	2.68
	C.M.C.P.	10.0	8.0	16.8	6.2	"	"	2.40

PIPE ARCH

29" x 18"	C.M.C.P.	1.0	0.8	1.1	0.3	1/2:1	1/2:1	1.0
36" x 22"	"	1.3	1.0	2.2	0.5	"	"	"
43" x 27"	"	1.7	1.2	3.7	1.0	"	"	"
50" x 31"	"	1.9	1.4	4.9	1.5	"	"	"
58" x 36"	"	2.1	1.7	6.3	2.1	"	"	"
65" x 40"	"	2.5	2.0	7.5	2.6	"	"	"
72" x 44"	"	2.9	2.4	8.6	3.1	"	"	"

CATTLE PASS

72"	ALTERNATE	12.4	9.9	18.3	7.1	"	"	2.68
-----	-----------	------	-----	------	-----	---	---	------

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.

CONCRETE MASONRY SUBSTITUTE

All items shown hereon may be constructed of Class 'A' Concrete in which case all sizes and dimensions shown shall obtain. Concrete masonry substitute work shall conform to the pertinent requirements of the Standard Specifications.

MORTAR RUBBLE MASONRY OR RIPRAP FOR CULVERT & CATTLE PASS ENDWALLS

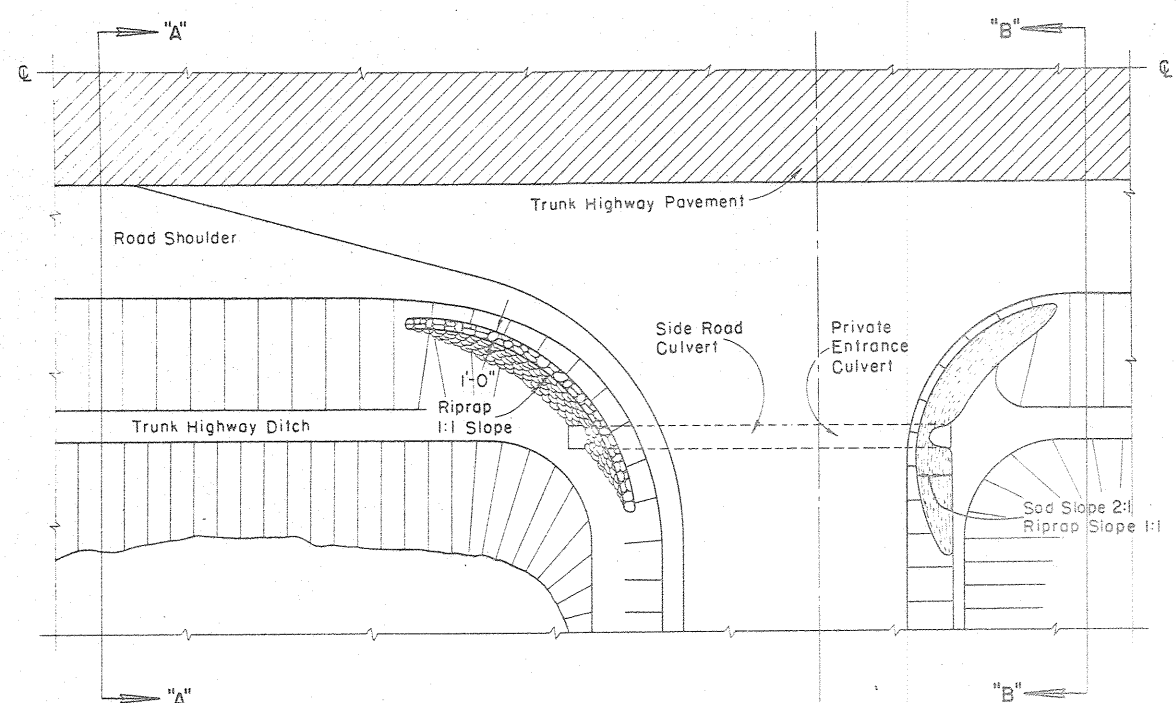
STATE HIGHWAY COMMISSION OF WISCONSIN

RECOMMENDED FOR APPROVAL:

DATE: 2-5-63
APPROVED: *J. J. Pelt*
ENGINEER OF DESIGN

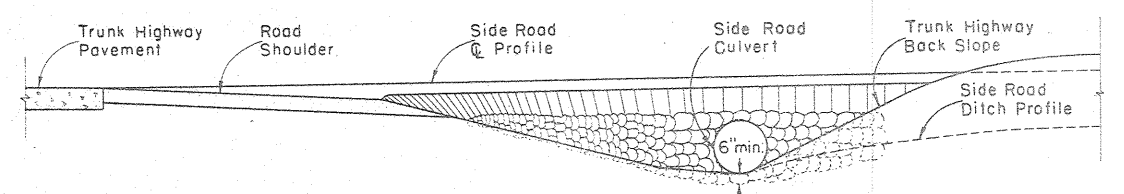
DATE: 2/6/63
APPROVED: *E. L. Root*
STATE HIGHWAY ENGINEER

PLATE NO. 6-2.4.3

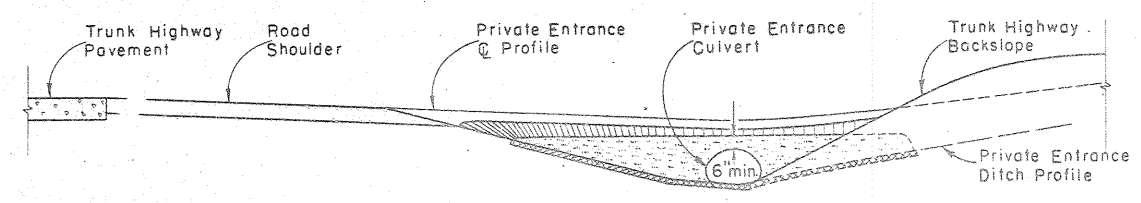


PLAN VIEW
HALF SECTION SHOWING
RIPRAP PLACED AT
SIDE ROAD CULVERT

PLAN VIEW
HALF SECTION SHOWING
SOD OR RIPRAP PLACED AT
PRIVATE ENTRANCE CULVERT



ELEVATION VIEW SECTION "A-A"
SHOWING RIPRAP PLACED AT SIDE ROAD CULVERT



ELEVATION VIEW SECTION "B-B"
SHOWING SOD OR RIPRAP PLACED AT PRIVATE ENTRANCE CULVERT

TABLE OF QUANTITIES

9-49

SIDE ROAD CULVERTS		PRIVATE ENTRANCE CULVERTS		
Size of Culvert Pipe	Cu. Yds. Riprap One End	Size of Culvert Pipe	Cu. Yds. Riprap One End	Sq. Yds. Sod One End
—	—	18"	0.7	4
24"	1.0	24"	1.0	5
30"	1.3	30"	1.3	6
36"	2.0	36"	2.0	7
42"	2.7	42"	2.7	8
48"	3.6	48"	3.6	10

GENERAL NOTES

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

RIPRAP AT SIDE ROAD CULVERTS
& RIPRAP OR SOD AT PRIVATE
ENTRANCE CULVERTS

STATE HIGHWAY COMMISSION OF WISCONSIN

RECOMMENDED FOR APPROVAL:

DATE: 2-5-63

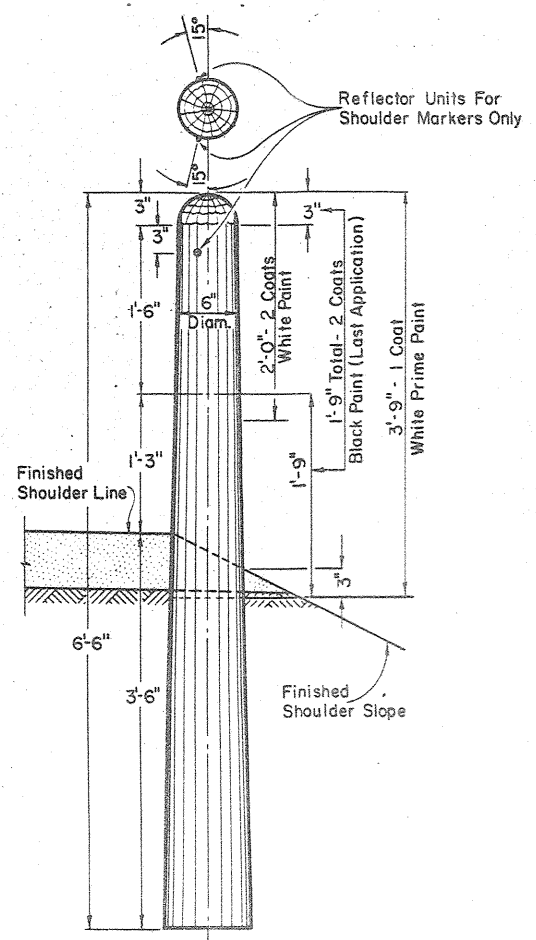
J. Pitt
ENGINEER OF DESIGN

APPROVED:

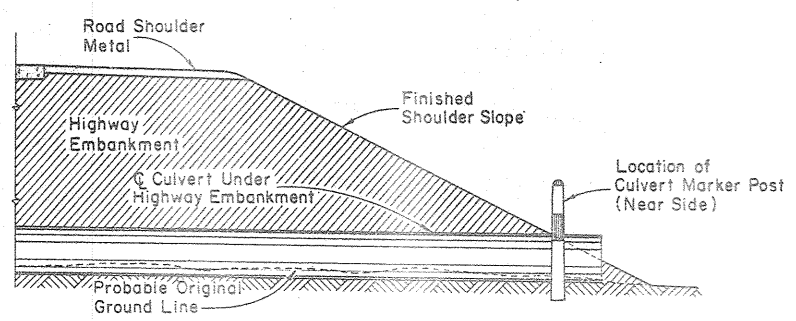
DATE: 2/6/63

E. G. Rottman
STATE HIGHWAY ENGINEER

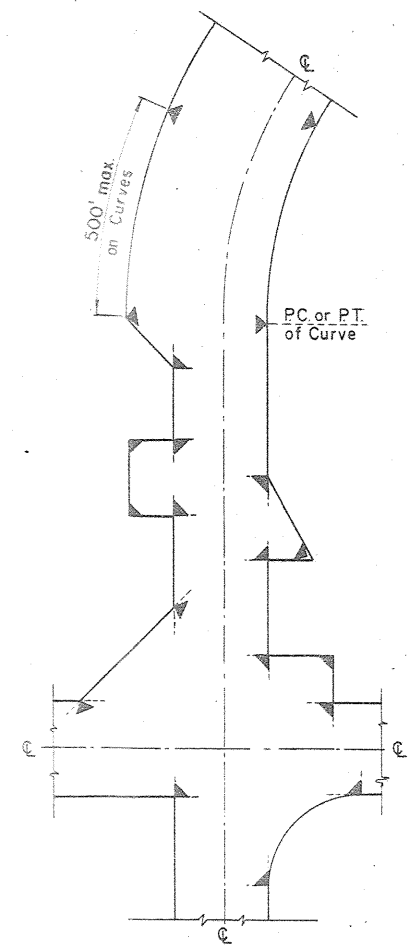
PLATE NO. 6-2.5.2



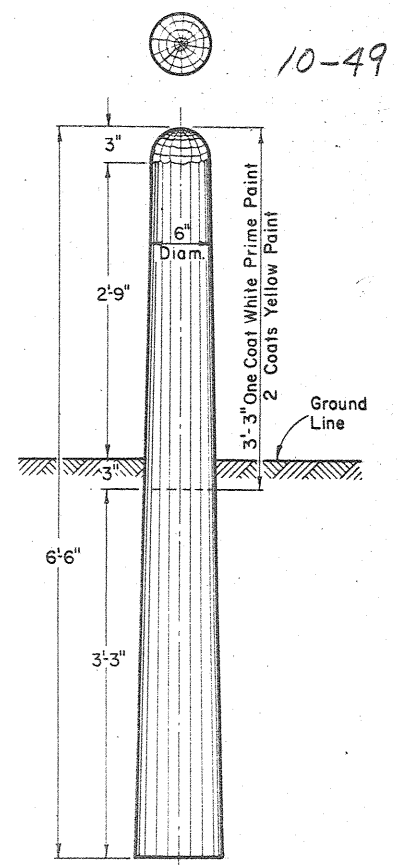
MARKER POST FOR ROAD SHOULDERS AND CULVERTS



SECTION SHOWING RELATIVE LOCATION OF MARKER POST FOR CULVERTS

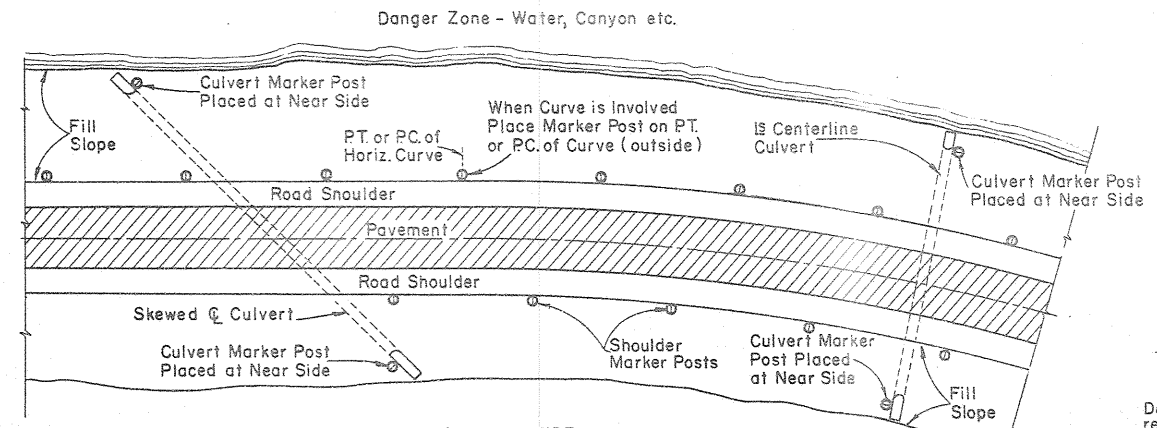


LOCATION DIAGRAM SHOWING TYPICAL LOCATIONS OF MARKER POSTS FOR RIGHT OF WAY



MARKER POST FOR RIGHT OF WAY

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

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.

MARKER POSTS FOR RIGHT OF WAY

Right of Way Marker Posts shall be erected in advance of Grading Operations. 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 will be staked in the field by the Engineer.

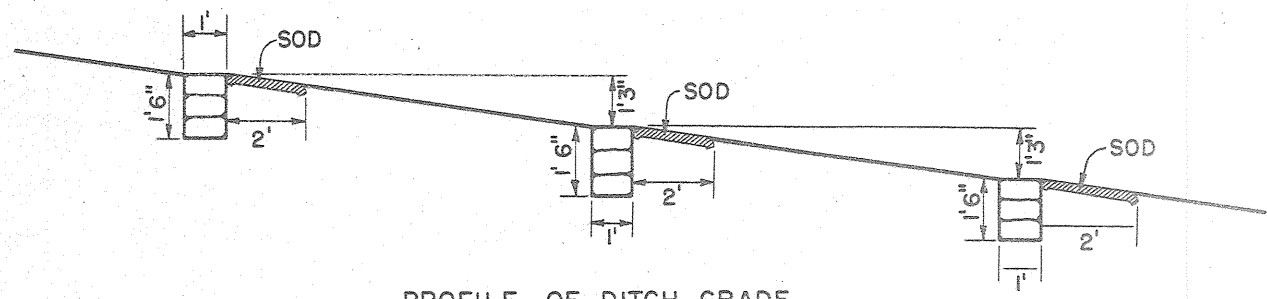
REFLECTOR UNITS

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.

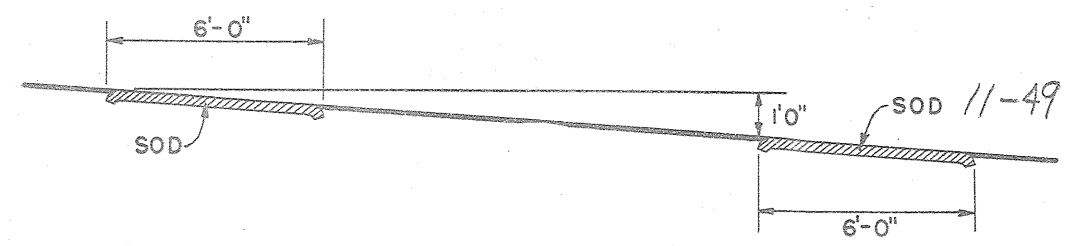
MARKER POSTS & MARKER POSTS FOR RIGHT OF WAY

STATE HIGHWAY COMMISSION OF WISCONSIN

RECOMMENDED FOR APPROVAL
 DATE 2-5-63
 APPROVED: J. J. Pelt
 ENGINEER OF DESIGN
 DATE 2/6/63
 E. L. Rottiers
 STATE HIGHWAY ENGINEER

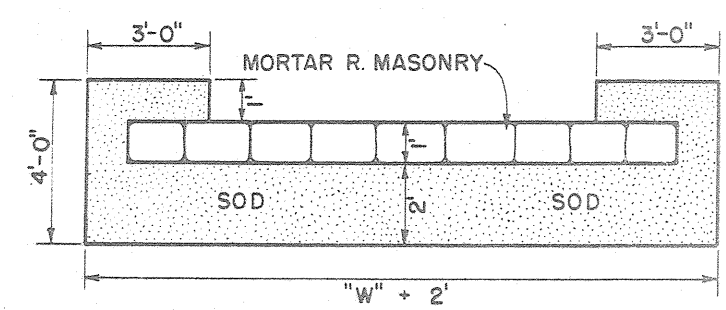


PROFILE OF DITCH GRADE

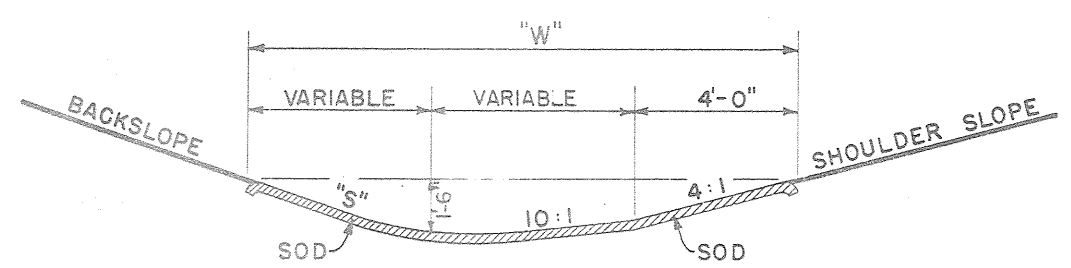


PROFILE OF DITCH GRADE

NOTE: NUMBER REQUIRED WILL BE DETERMINED BY VERTICAL SPACING.



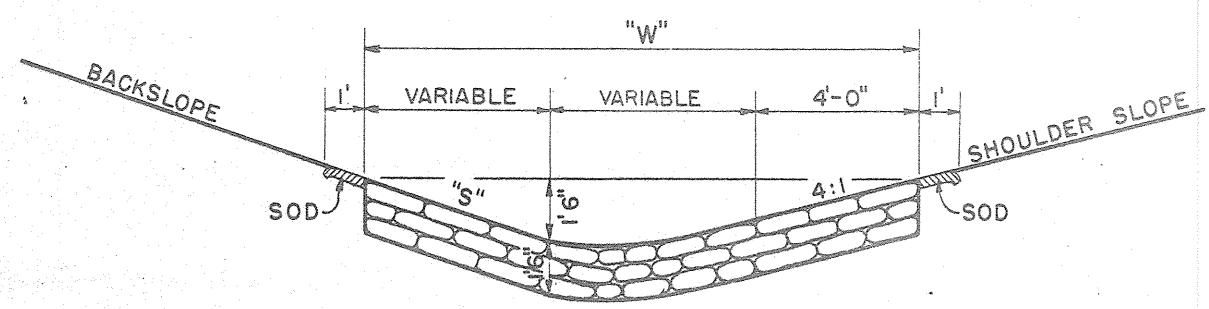
PLAN VIEW SHOWING SOD



SECTION

SOD DITCH CHECKS

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



SECTION

MORTAR RUBBLE MASONRY

QUANTITIES			
"S"	"W"	SOD SQ. YD.	EACH CU. YD.
2:1	12'	4.0	0.67
3:1	13.5'	4.33	0.75
4:1	15'	4.67	0.83

CONSTRUCTION NOTES

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

DITCH CHECKS
MORTAR RUBBLE MASONRY & SOD
STATE HIGHWAY COMMISSION OF WISC.
RECOMMENDED FOR APPROVAL:

Frank Crave
DESIGN ENGINEER

Bob
CONSTRUCTION ENGINEER

DATE: _____
APPROVED: _____
DRAWN DIV 9
CHECKED / / STATE HIGHWAY ENGINEER 8-1.3.1