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STATE OF WISCONSIN

DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS

22.6 - 572.0 - II.3

Sheet Number	Total Sheets
1	56

PLAN AND PROFILE OF PROPOSED

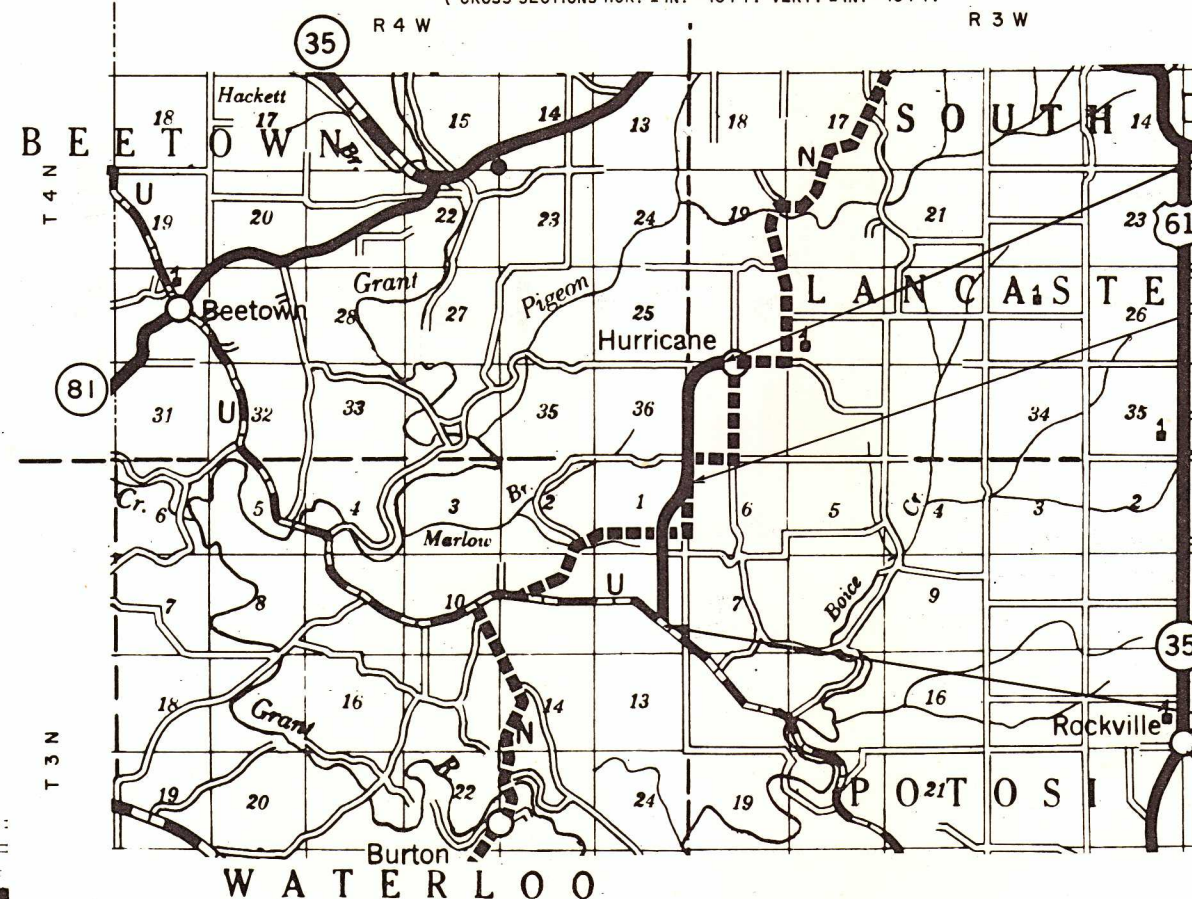
C.T.H. U - HURRICANE ROAD

C.T.H. N

GRANT COUNTY

PROJECT IDENTIFICATION NUMBER	PROJECT DESIGNATION
5934 I 70	S 0572(3)

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



END PROJECT S 0572(3)/5934-I-70
STA. 297+00

STA. 297+00
240' W. AND 1.7' S. OF THE N. 1/4 CORNER
SECTION 31, T 4 N, R 3 W.

EQUATION $206 + 95.01 \text{ AH.} =$
 $207 + 54.43 \text{ BK.}$

BEGIN PROJECT S 0572(3)/5934-I-70
STA. 127+10.80

955' S. AND 1530' W. OF THE E.
1/4 CORNER, SECTION 12, T 3 N, R 4 W.

LAYOUT

SCALE

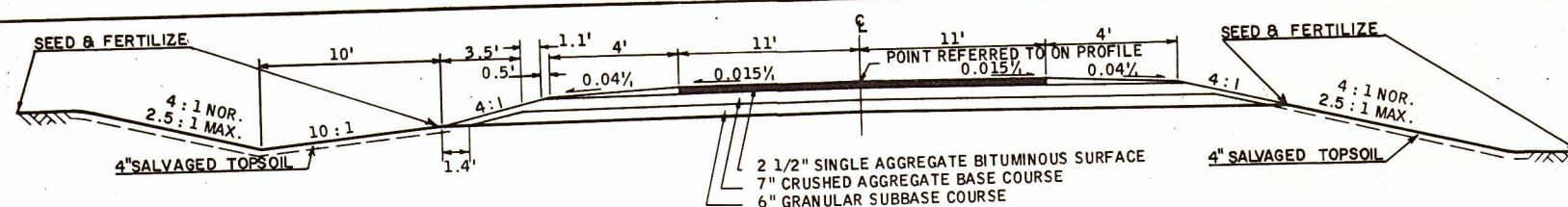


Total Net Length of Centerline = 3.229 Mi.

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	-----
Barbed	-----	Marsh	-----
Lot Line	-----	Hedge	-----
Corporate or City Limits	-----	Trees	-----
Property Line	-----	EVERGREENS	-----
Travelled Way or P.E.	-----	WOODS	-----
Highways	-----	Grade Elevation	-----
Use or Survey Line	-----		

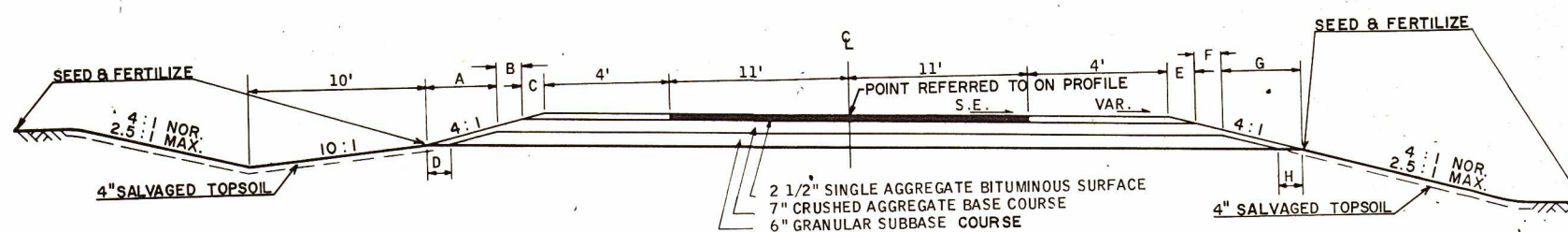
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS	
SURVEYOR C.B.	DISTRICT CHECKER R.J.B.
DESIGNER R.D.S.	C.O. CHECKER J.L.J.
Correct:	
Date 8/21/69	J.J. Landman District Engineer
Recommended for Approval:	
Date 9/9/69	E.J. Byrkit/ Chief Design Engineer
Approved:	
Date 9/16/69	H.J. Burmeister State Highway Engineer
U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION BUREAU OF PUBLIC ROADS	
REGION 4 WISCONSIN DIVISION	
Approved:	
Date: Division Engineer	



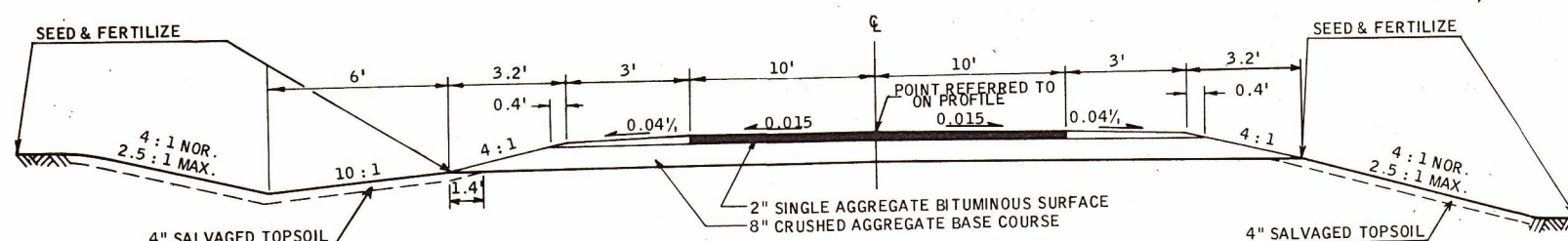
TYPICAL FINISHED SECTION
MAINLINE TANGENT

SUPERELEVATION TABLE

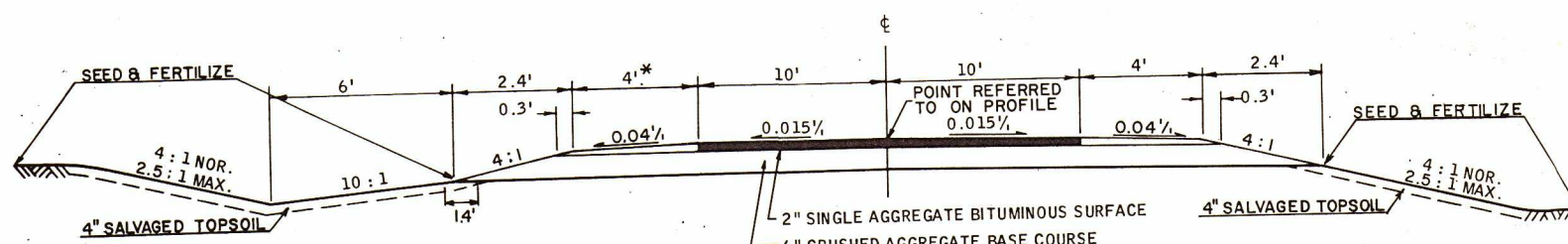
P. I. STATION	DEGREE OF CURVE	S. E.	LT. SHO. SLOPE	RT. SHO. SLOPE	A	B	C	D	E	F	G	H
130+70.98 Lt.	6°-00'	0.040%	0.040%	0.040%	3.9	1.2	1.0	1.6	0.7	0.9	2.8	1.1
181+64.88 Rt.	3°-30'	0.058%	0.058%	0.058%	2.7	0.8	0.7	1.1	1.1	1.3	4.3	1.7
201+62.80 Lt.	3°-30'	0.058%	0.058%	0.058%	4.3	1.3	1.1	1.7	0.7	0.8	2.7	1.1
276+33.90 Rt.	5°-00'	0.071%	0.071%	0.071%	2.6	0.8	0.6	1.0	1.2	1.4	4.6	1.8



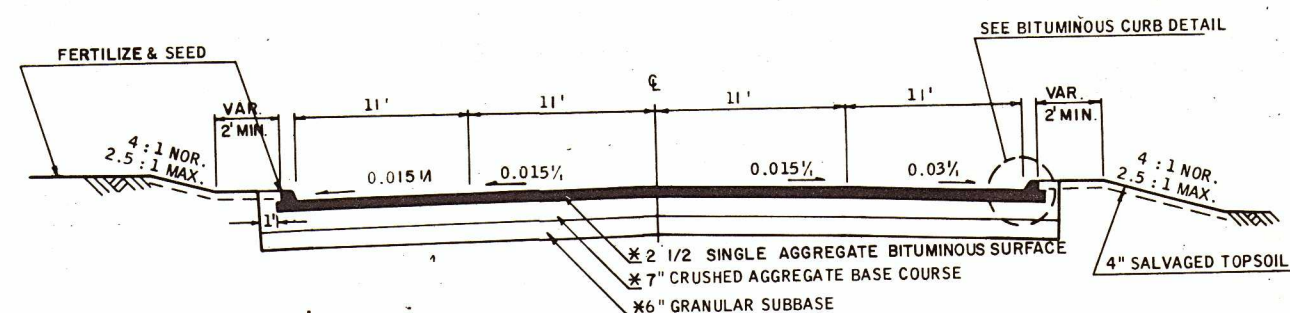
TYPICAL SUPERELEVATED SECTION



TYPICAL FINISHED SECTION
SIDE ROAD C.T.H. "U"

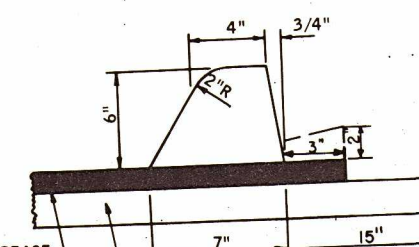


TYPICAL FINISHED SECTION
SIDE ROADS



TYPICAL FINISHED SECTION
STA. 299+75 TO 301+00 LT.
STA. 297+50 RT TO 4\"/>

*DO NOT USE GRANULAR SUBBASE ON "K" LINE
6" OF CRUSHED AGGREGATE BASE COURSE ON "K" LINE
2" SINGLE AGGREGATE BITUMINOUS SURFACE ON "K" LINE



BITUMINOUS CURB DETAIL
(NOT PART OF THIS CONTRACT)

GENERAL NOTES

NO TREES ARE TO BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER.
SHRINKAGE VARIABLE, UNCLASSIFIED ESTIMATED AT 30%, ROCK ESTIMATED AT 5% SWELL.

SALVAGED TOPSOIL SHALL BE PLACED TO AN APPROXIMATE DEPTH OF 4" AT TIME OF PLACING ON ALL CUT AND FILL SLOPES.

ALL THE RIGHT-OF-WAY, EXCLUSIVE OF THE PAVEMENT, SHOULDERS AND AREAS ALREADY COVERED WITH SUITABLE GRASSES, SHALL BE FERTILIZED AND SEEDED.

CURVE DATA BASED ON ARC DEFINITION.

EXACT LOCATION OF DRIVEWAYS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

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.

BEARINGS SHOWN ON THIS PLAN ARE THE TRUE BEARINGS SHOWN TO THE NEAREST MINUTE.

EXCAVATION BELOW SUBGRADE IS NOT USED TO BALANCE YARDAGE AND IS NOT SHOWN ON THE CROSS SECTIONS BUT IS MEASURED AND PAID FOR AS UNCLASSIFIED EXCAVATION.

ALL INTERSECTIONS SHALL BE TYPE "C" UNLESS OTHERWISE SHOWN ON THE DETAIL SHEET.

NO ROCK UNDERCUT WILL BE REQUIRED EXCEPT THAT WHICH IS NECESSARY TO DRAIN UNDRAINED POCKETS IN THE ROCK SURFACE.

GRANULAR SUBBASE, BASE AND BITUMINOUS SURFACING IS NOT A PART OF THIS CONTRACT.

STANDARD DETAIL DRAWINGS

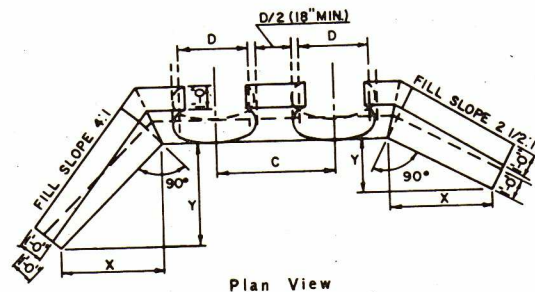
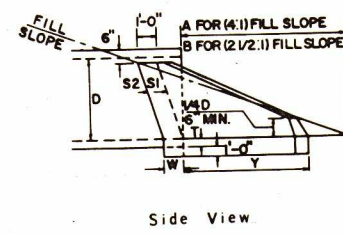
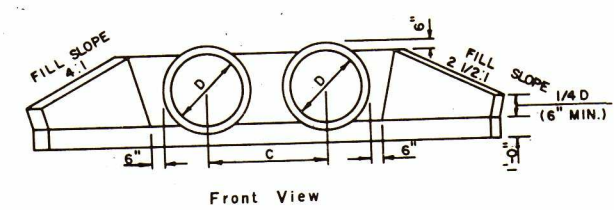
- 6-2.4.3 MORTAR RUBBLE MASONRY OR RIPRAP FOR CULVERT AND CATTLE PASS ENDWALLS
- 6-2.6.7 APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH
- 7-1.3.5 MARKER POST AND MARKER POSTS FOR RIGHT OF WAY
- 7-4.1.5 CONSTRUCTION BARRICADE
- 9-1.1.5 DESIGN AND LAYOUT DETAILS FOR SIDE ROAD AT GRADE INTERSECTIONS
- 6-7.1.6 DETAIL FOR PIPE CATTLE PASS CONCRETE ENDWALLS AND STEPS

STANDARD ABBREVIATIONS

- C.P. = CULVERT PIPE
- WM. = WINDMILL
- E.B.S. = EXCAVATION BELOW SUBGRADE
- L.H.E. = LIMITED HIGHWAY EASEMENT
- S.E. = SUPERELEVATION
- R.O. = RUN OUT
- C.M.C.P. = CORRUGATED METAL CULVERT PIPE
- B.M. = BENCH MARK
- P.L. = PROPERTY LINE
- L.H.F. = LEFT HAND FORWARD
- R.H.F. = RIGHT HAND FORWARD
- RES. = RESERVOIR
- ABND = ABANDON
- UNCL = UNCLASSIFIED

UTILITIES

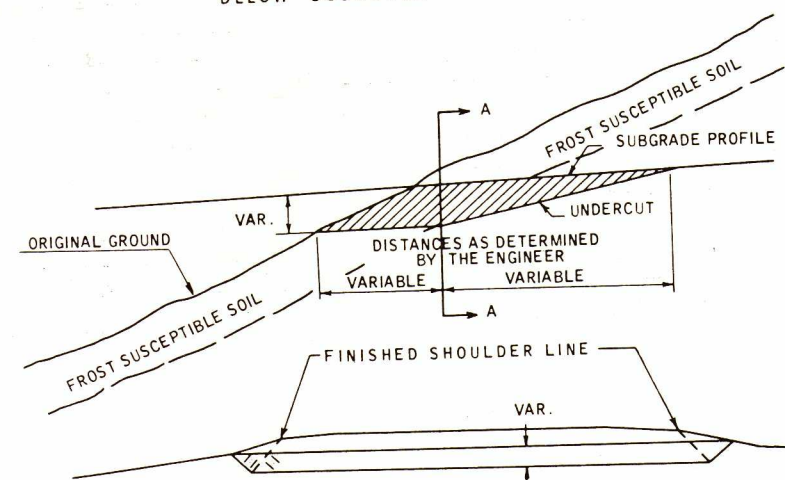
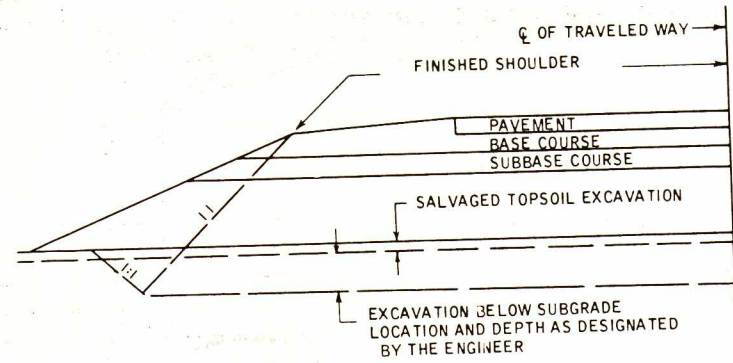
- POWER LINES - GRANT ELECTRIC CO-OP
- TELEPHONE LINES - FARMERS TELEPHONE CO.



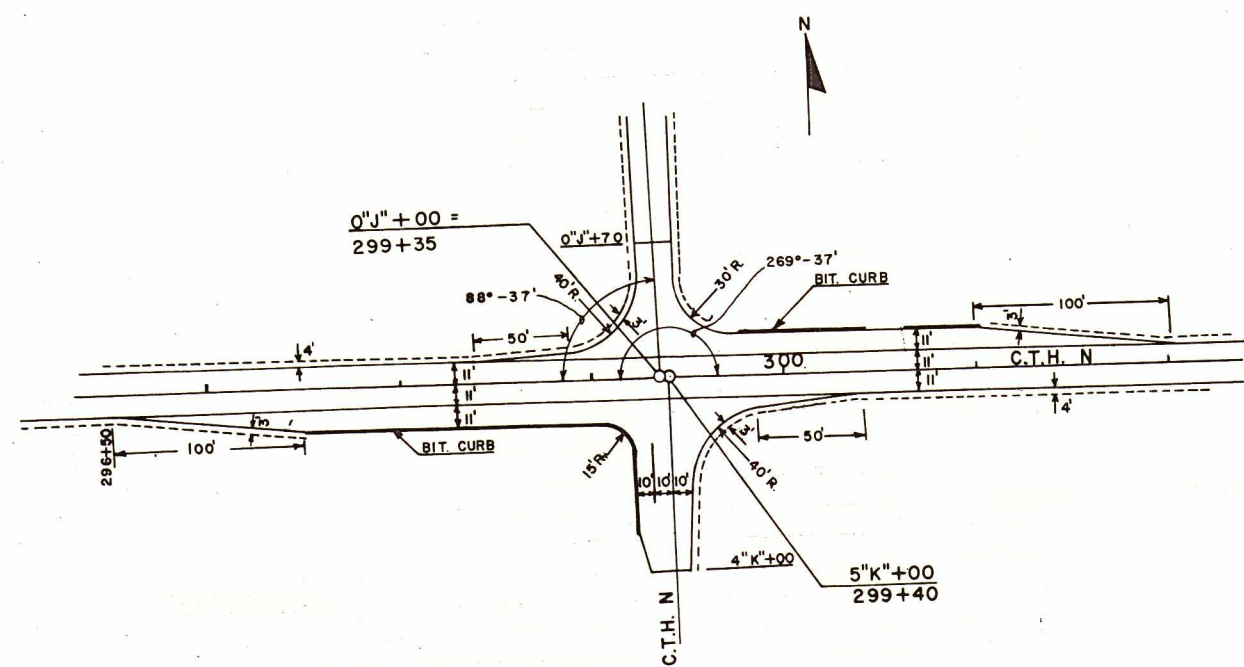
- ABBREVIATIONS USED
- D = DIAMETER
 - S1 = FRONT SLOPE
 - S2 = BACK SLOPE
 - C = CENTER-TO-CENTER OF PIPES
 - W = FOOTING WIDTH
 - T = THICKNESS OF PIPE WALL

CIRCULAR PIPE SIZE OF PIPE	TYPE OF PIPE	CUBIC YARDS OF MORTAR RUBBLE MASONRY PER ENDWALL		4:1 SLOPE			2 1/2:1 SLOPE			C FEET	FRONT SLOPE S1	BACK SLOPE S2	WIDTH OF FOOTING "W" (FEET)
		4:1 SLOPE	2 1/2:1 SLOPE	A	X	Y	B	X	Y				
24"	RCCP	1.5	1.2	5.1	1.6	3.1	2.5	1.6	1.2	4.0	1/2:1	1/2:1	1.0
	CMCP	1.0	0.9	4.3	1.2	2.3	2.0	1.9	0.8	3.5	"	"	"
36"	RCCP	3.0	2.4	8.9	3.0	5.9	4.7	2.8	2.8	5.2	"	"	"
	CMCP	2.1	1.6	7.8	2.4	4.8	4.0	2.1	2.1	4.6	"	"	"
48"	RCCP	4.8	3.7	12.8	4.4	8.8	6.8	4.3	4.3	6.8	"	"	"
	CMCP	3.2	2.5	11.3	3.6	7.3	6.0	3.5	3.5	6.1	"	"	"
60"	RCCP		9.0	16.5	5.8	11.5	9.0	5.9	5.9	8.5	"	1/4:1	2.38
	CMCP		5.8	14.8	4.9	9.8	8.0	4.9	4.9	7.7	"	"	2.20

DETAIL OF ENDWALLS FOR DUAL CULVERTS



DETAIL FOR EXCAVATION
AT MOUTH OF CUTS



CONTRACT NO. 1 (5934-1-70)
GRADING

THIS PROJECT IS TO BE EXECUTED UNDER THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION OF THE WISCONSIN DIVISION OF HIGHWAYS - EDITION OF 1969 APPROVED MARCH 3, 1969, FEDERAL AID REQUIRED CONTRACT PROVISIONS APPROVED OCTOBER 29, 1963, AND SPECIAL PROVISIONS AS ATTACHED TO PROPOSALS.

B.P.R. REGION	PROJECT	SHEET NO.	TOTAL SHEETS
4	S 0572(3)	3	56

SEC NO.	STATION TO STATION		NET LENGTH OF CENTERLINE	CLEARING	GRUBBING	REMOVING OLD CULVERTS	ABANDONING WELLS	UNCLASSIFIED EXCAVATION	FINISHING ROADWAY	
	ITEM NO.		20101	20104	20330	20444	20503	21301		
	UNIT	LIN. FT.	STA.	STA.	EACH	EACH	C.Y.	L.S.		
1	127+10.8-297+00		17,048.62	17	18	3	1	182,100	0.94	
2N	297+00-308+00 (NON-PARTICIPATING APPROACH)			2	6			1,400*	0.06	
T	TOTALS		17,048.62	19	24	3	1	183,500**	1	

*Includes 241 C.Y. of E. B. S. **INCLUDES 2,819 C.Y. OF E. B. S.

[illegible]

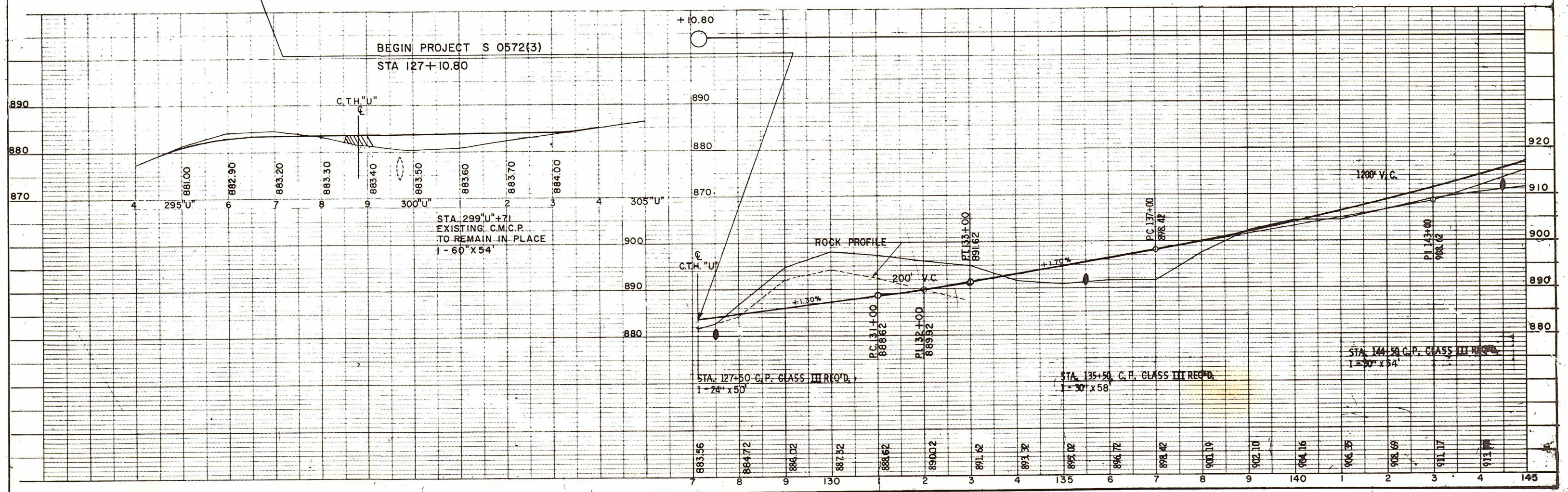
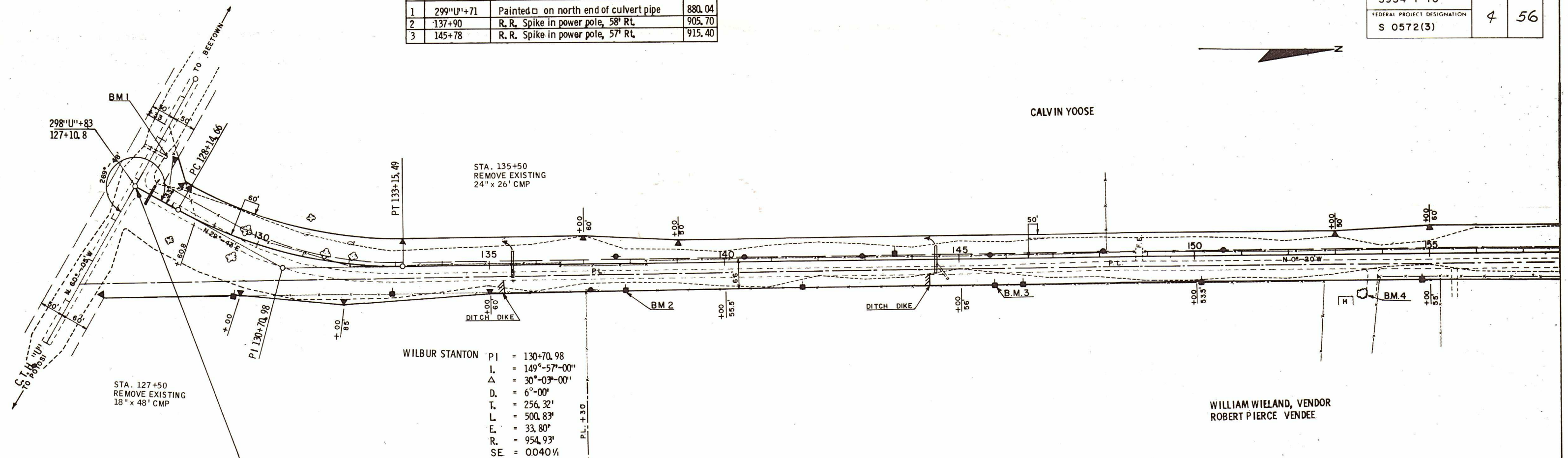
SEC. NO.	CONCRETE MASONRY, CULVERTS	MORTAR RUBBLE MASONRY	CULVERT PIPE							APRON ENDWALLS FOR CULVERT PIPE						PIPE CATTLE PASS	CORRUGATED METAL CULVERT PIPE, 24-INCH	METAL APRON ENDWALLS FOR CULVERT PIPE, 24-INCH	RIPRAP	CONCRETE STEPS	MARKER POSTS	MARKER POSTS FOR R/W	SALVAGED TOPSOIL	EROSION MAT	FERTILIZER	SEEDING	FIELD OFFICE TYPE A
			CLASS III 18-INCH	CLASS III 24-INCH	CLASS III 30-INCH	CLASS III 36-INCH	CLASS III 48-INCH	CLASS III 60-INCH	CLASS IV 60-INCH	18-INCH	24-INCH	30-INCH	36-INCH	48-INCH	60-INCH												
	50401	51801	52003	52005	52007	52009	52011	52013	52033	52061	52063	52065	52067	52069	52071	52075	52107	52147	60601	60215	61421	61422	62505	62802	62901	63002	64201
	C.Y.	C.Y.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	EACH	EACH	EACH	EACH	EACH	EACH	L.F.	L.F.	EACH	C.Y.	S.F.	EACH	EACH	S.Y.	S.Y.	CWT.	LB.	L.S.
1	18.6	18	660	554	152	56	34	76	256	46	14	6	2	2	2	122	98	2	13.2	160	12	86	115,100	11,000	125	3,643	1
2N			28	132						2	4								1.8			10	4,100		5	137	
T	18.6	18	688	686	152	56	34	76	256	48	18	6	2	2	2	122	98	2	15	160	12	96	119,200	11,000	130	3,780	1

DETAIL SUMMARY SHEET OF MISCELLANEOUS QUANTITIES							
PROJECT ID 5934 I 70 FEDERAL PROJECT DESIGNATION S 0572(3) SHEET NUMBER 3A TOTAL SHEETS 56							
CLEARING & GRUBBING			EROSION MAT				
SEC.Station - Station	Clearing No. Sta.	Grubbing No. Sta.	SEC.Station - Station	Side	S. Y.		
I 128+00-133+00	5	5	I 2"G"-3"G"+50	RT.	200		
192+00-193+00	1	1	4"G"+50-8"G"+50	RT. & LT.	1067		
224+00-226+00	2	2	169-170	RT. & LT.	267		
226+00-227+00	-	1	172-173	LT.	130		
227+00-229+00	2	2	172-174	RT.	270		
245+00-247+00	2	2	216-225	LT. & RT.	2400		
253+00-254+00	1	1	226-237	LT. & RT.	2934		
269+00-270+00	1	1	242-245	RT.	400		
272+00-273+00	1	1	247-249	LT. & RT.	267		
290+00-292+00	2	2	252+50-254	LT.	200		
298+00-299+00	1	1	258-264	LT.	800		
2N 300+00-304+00	-	4	258-266	RT.	1066		
304+00-305+00	1	1	268-269	LT.	134		
			173"F"-175"F"	RT.	270		
			174"F"-175"F"	LT.	130		
			Undistributed		465		
REMOVING OLD CULVERTS			CONCRETE MASONRY, CULVERTS				
SEC.Station	Size		SEC.Station	Location	Side C. Y.		
I 210+24	2' x 2' x 25'		I 174+00	Endwall & Apron	RT. 6.0		
252+45	7' x 8' x 26'		174+00	Endwall & Apron	LT. 4.0		
283+91	2' x 2' x 23'		193+10	Endwall & Apron	RT. 5.0		
			193+10	Endwall & Apron	LT. 3.6		
ABANDONING WELLS			CONCRETE STEPS				
SEC.Station	Side	Each	SEC.Station	Location	Side S. F.		
I 221+34	LT.	1	I 174+00	Cattle Walk	LT. 78		
			193+10	Cattle Walk	LT. 82		
			RIPRAP				
			SEC.Station	Side	C. Y.		
			I 225+60	LT.	5.7		
			258+65	LT.	5.7		
			296+45	RT.	1.8		
			2N 304+00	RT.	1.8		
			MARKER POSTS				
			SEC.Station - Station	Side	Each		
			I 249+50-254+50	LT. & RT.	12		
			CROSS DRAIN PIPES, MINOR SIDE ROAD & PRIVATE ENTRANCE PIPES				
SEC.Station	Type	Class	Dia. Inch	Length Lin. Ft	Location	Apron Endwalls L. D.	M. R. M. C. Y.
I 127+50	CP	III	24	50	E	1 1	
135+50	CP	III	30	58	E	1 1	
144+50	CP	III	30	54	E	1 1	
167+00	CMCP		24	98	E	1 1	
174+00	PCP		72	66	E		
179+30	CP	III	24	110	E	1 1	
185+00	CP	III	24	92	E	1 1	
193+10	PCP		72	56	E		
210+22	CP	III	24	54	E	1 1	
4"G"+60	CP	III	30	40	SR.-RT.	1 1	
225+60	CP	III	60	76	E	1 1	
244+85	CP	III	24	80	E	1 1	
252+50	CP	IV	2-60	128	E		18
258+65	CP	III	48	34	PE.-LT.	1 1	
265+50	CP	III	24	60	E	1 1	
0"H"+30	CP	III	18	44	SR.-LT.	1 1	
283+90	CP	III	24	108	E	1 1	
296+45	CP	III	36	56	E	1 1	
22 PE'S@28'	CP	III	18	616	PE'S	22 22	
2N 0"J"+40	CP	III	24	36	SR.-LT.	1 1	
304+00	CP	III	24	96	E	1 1	
1 PE@28'	CP	III	18	28	PE	1 1	

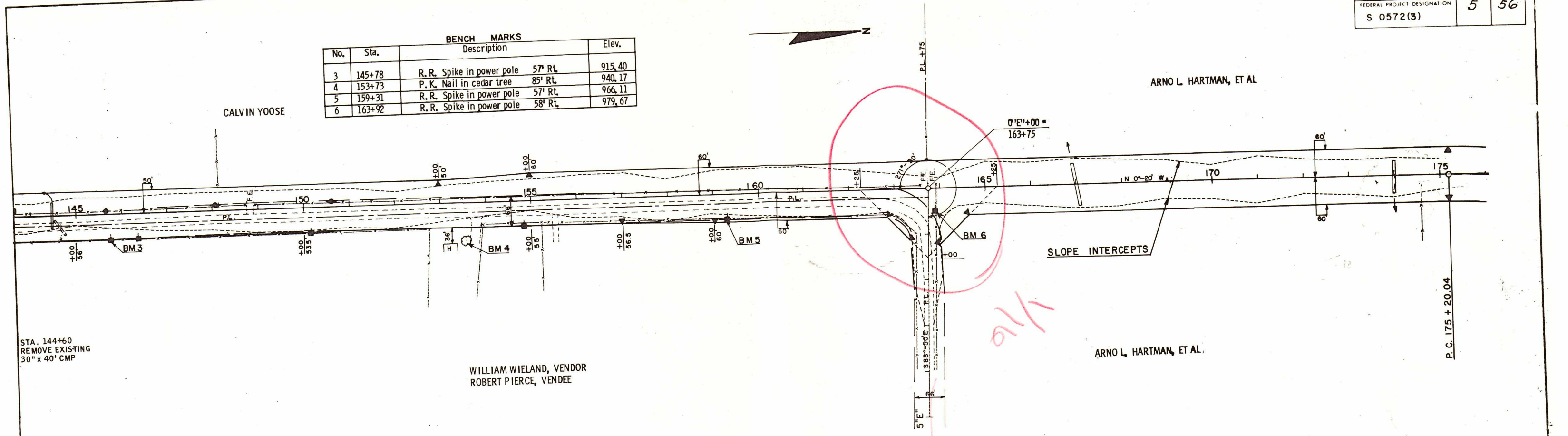
PROJECT ID	SHEET NUMBER	TOTAL SHEETS
5934 I 70	3A	56
FEDERAL PROJECT DESIGNATION		
S 0572(3)		

BENCH MARKS			
No.	Sta.	Description	Elev.
1	299+71	Painted □ on north end of culvert pipe	880.04
2	137+90	R. R. Spike in power pole, 58' Rt.	905.70
3	145+78	R. R. Spike in power pole, 57' Rt.	915.40

PROJECT NO.	5934 1 70	SHEET NUMBER	4	TOTAL SHEETS	56
FEDERAL PROJECT DESIGNATION	S 0572(3)				

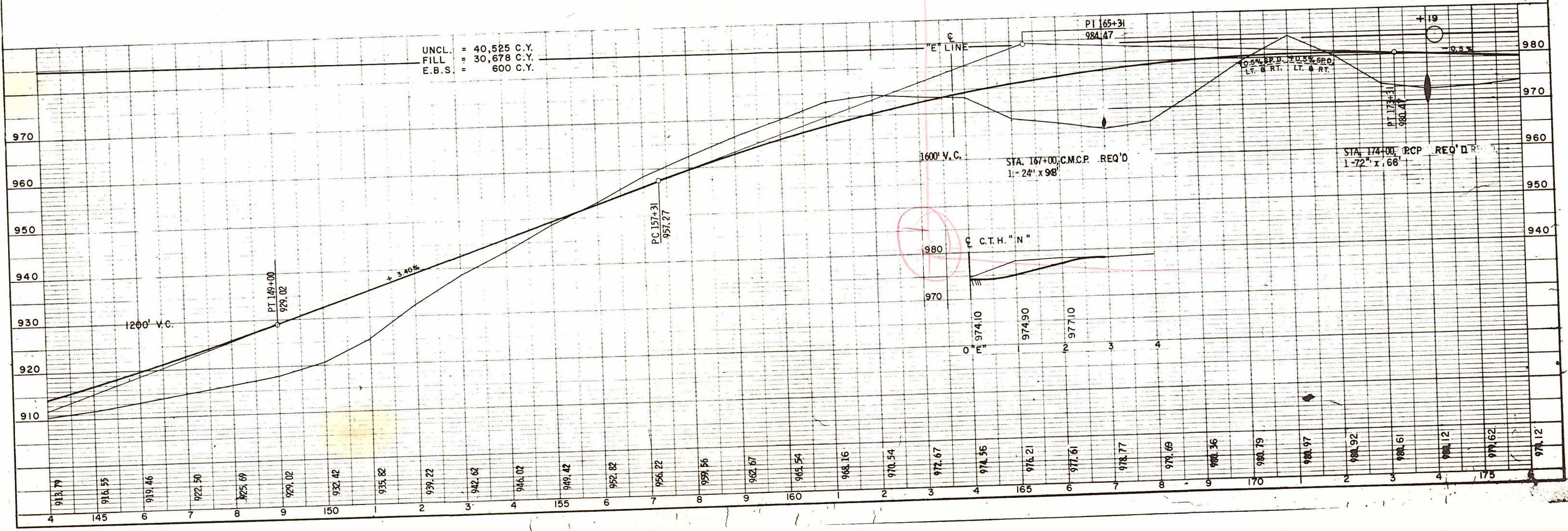


BENCH MARKS				
No.	Sta.	Description		Elev.
3	145+78	R.R. Spike in power pole	57' Rt.	915.40
4	153+73	P.K. Nail in cedar tree	85' Rt.	940.17
5	159+31	R.R. Spike in power pole	57' Rt.	966.11
6	163+92	R.R. Spike in power pole	58' Rt.	979.67

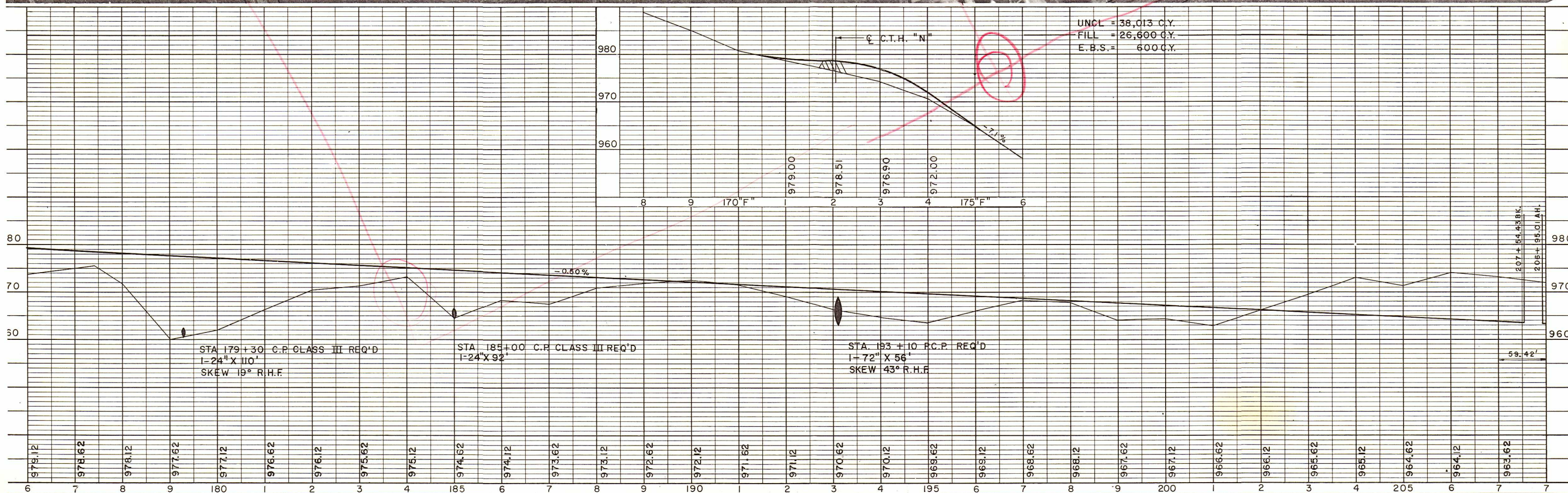
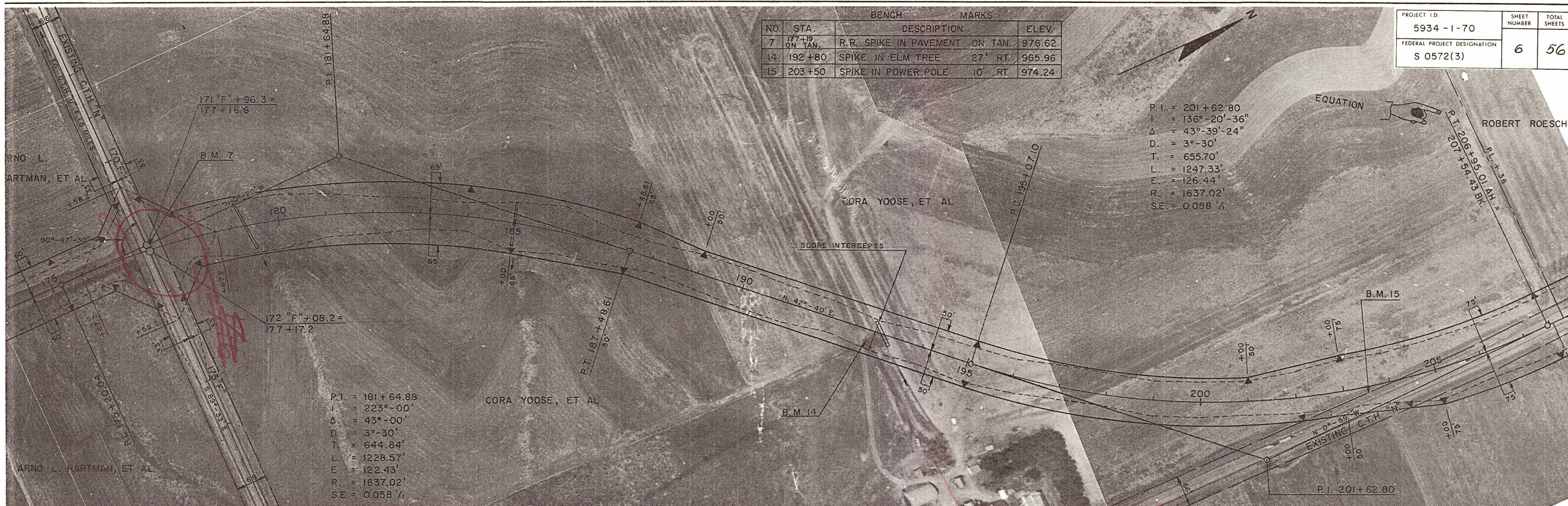


STA. 144+60
REMOVE EXISTING
30" x 40' CMP

WILLIAM WIELAND, VENDOR
ROBERT PIERCE, VENDEE



UNCL. = 40,525 C.Y.
FILL = 30,678 C.Y.
E.B.S. = 600 C.Y.



NO	STA.	DESCRIPTION	ELEV.
16	209+57	SPIKE IN TELE. POLE 31' RT.	962.12
17	217+77	SPIKE IN ELM TREE 102' LT.	955.18
18	225+37	SPIKE IN TELE. POLE 45' RT.	911.46
19	231+82	SPIKE IN TELE. POLE 52' RT.	954.33

EQUATION

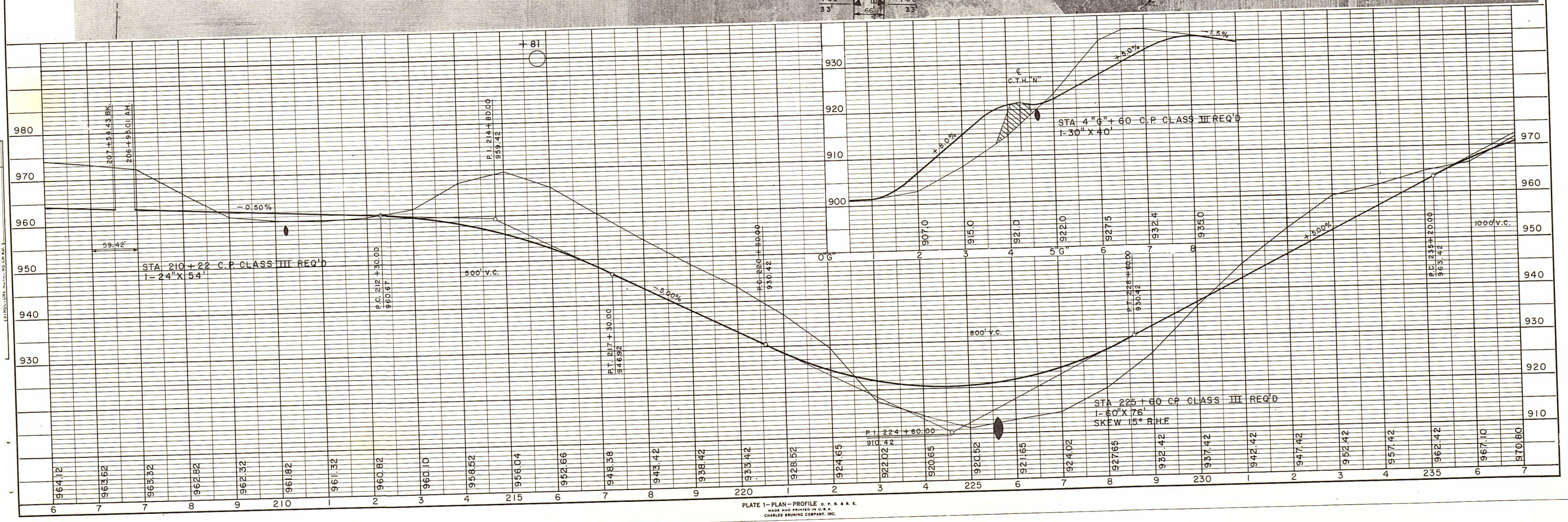


PLATE 1-PLAN-PROFILE C. P. R. R. E.
MADE AND PRINTED IN U.S.A.
CHARLES BRUNING COMPANY, INC.

NO.	STA.	BENCH MARKS	DESCRIPTION	ELEV.
20	239+65		SPIKE IN TELE. POLE	58' RT. 977.07
21	244+83		SPIKE IN TELE. POLE	75' RT. 965.29
22	251+28		SPIKE IN TELE. POLE	60' RT. 916.46
23	256+57		SPIKE IN POWER POLE	57' RT. 924.02
24	261+90		SPIKE IN ELM. TREE	86' LT. 955.22

PROJECT ID	5934 I 70	SHEET NUMBER	8	TOTAL SHEETS	56
FEDERAL PROJECT DESIGNATION	S 0572(3)				

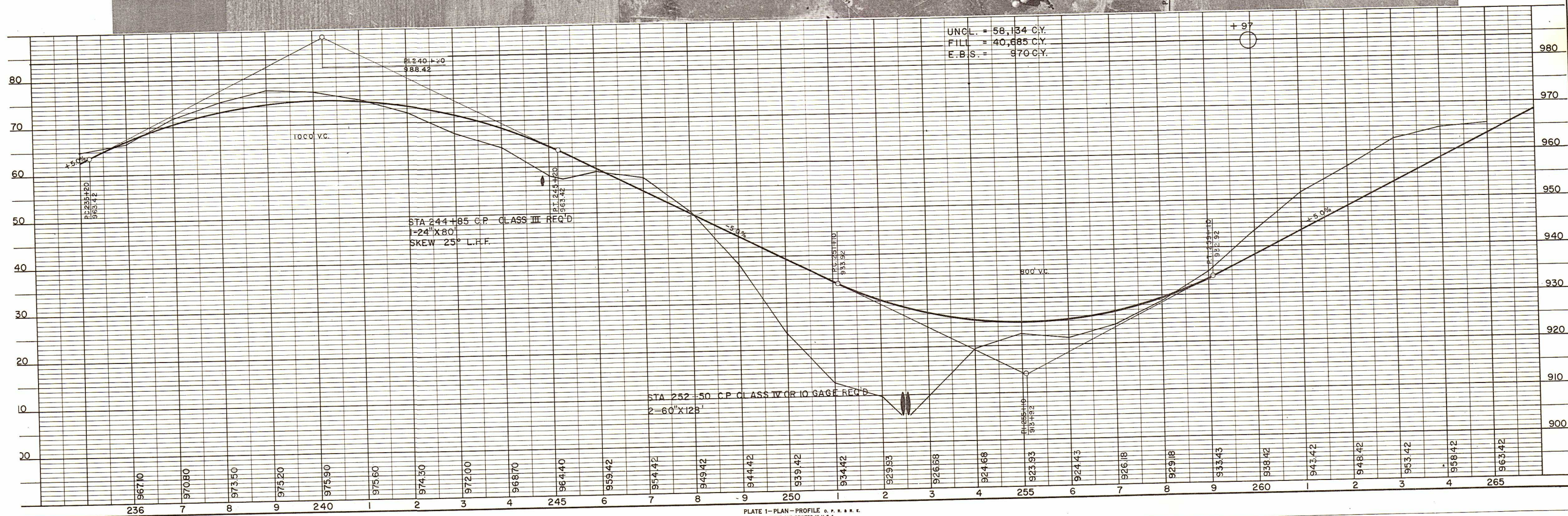
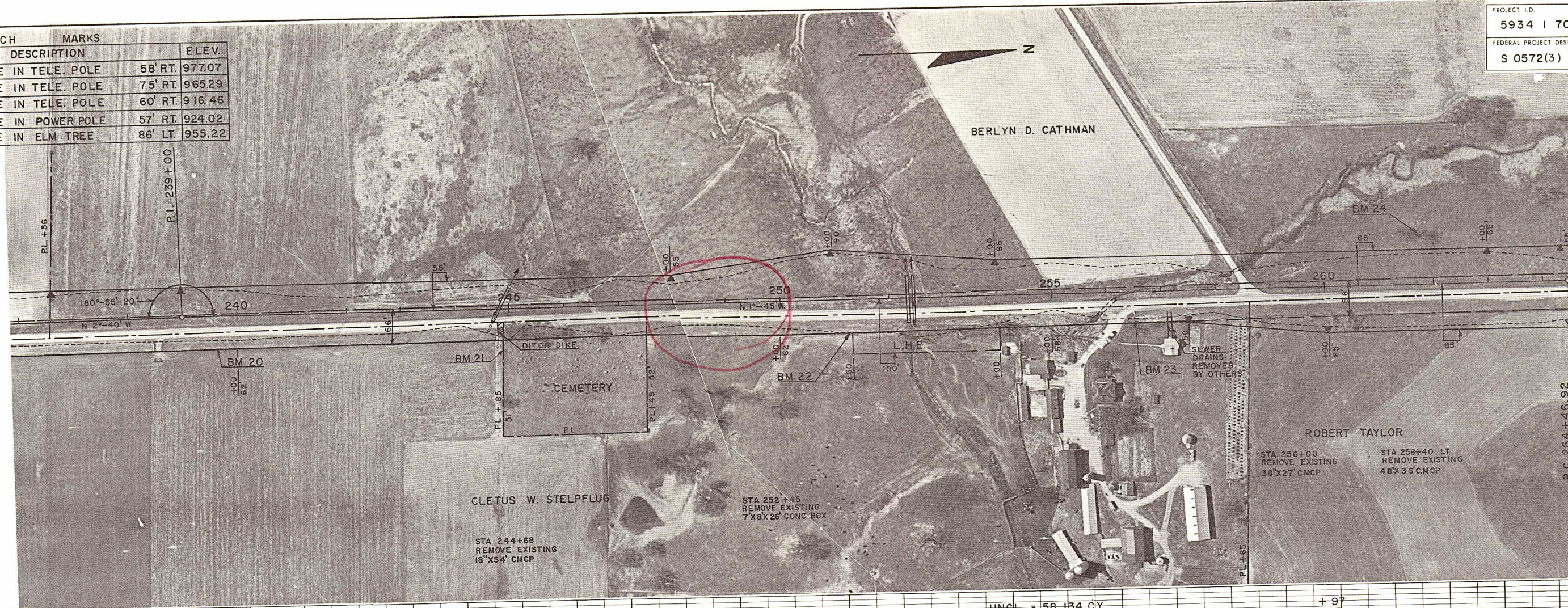
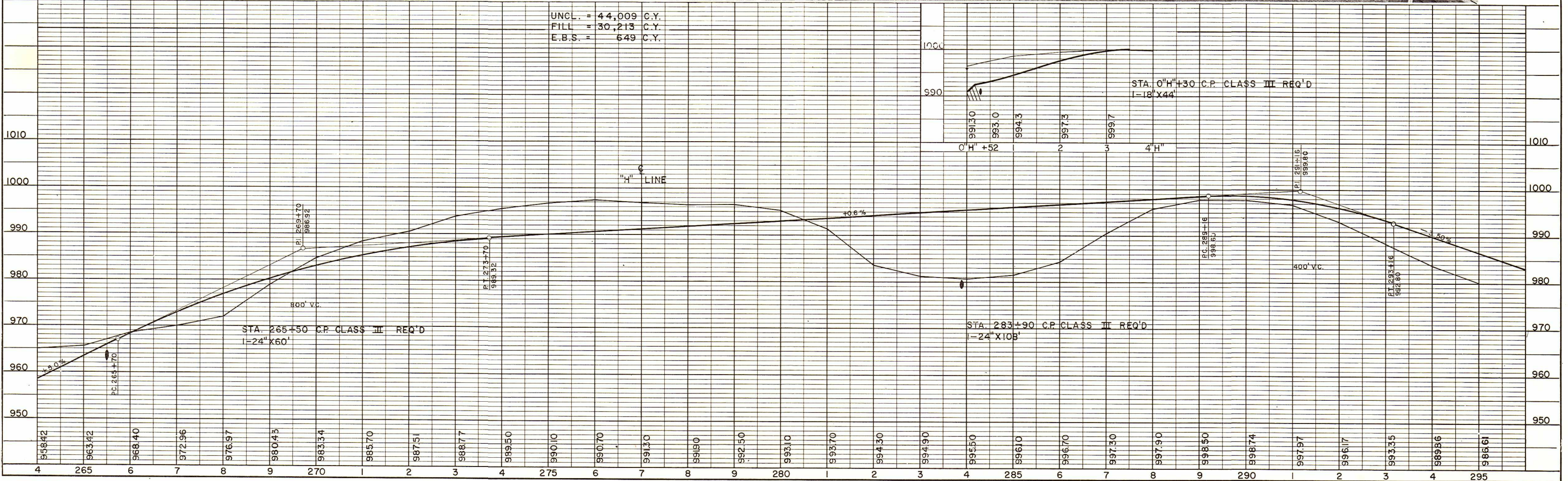
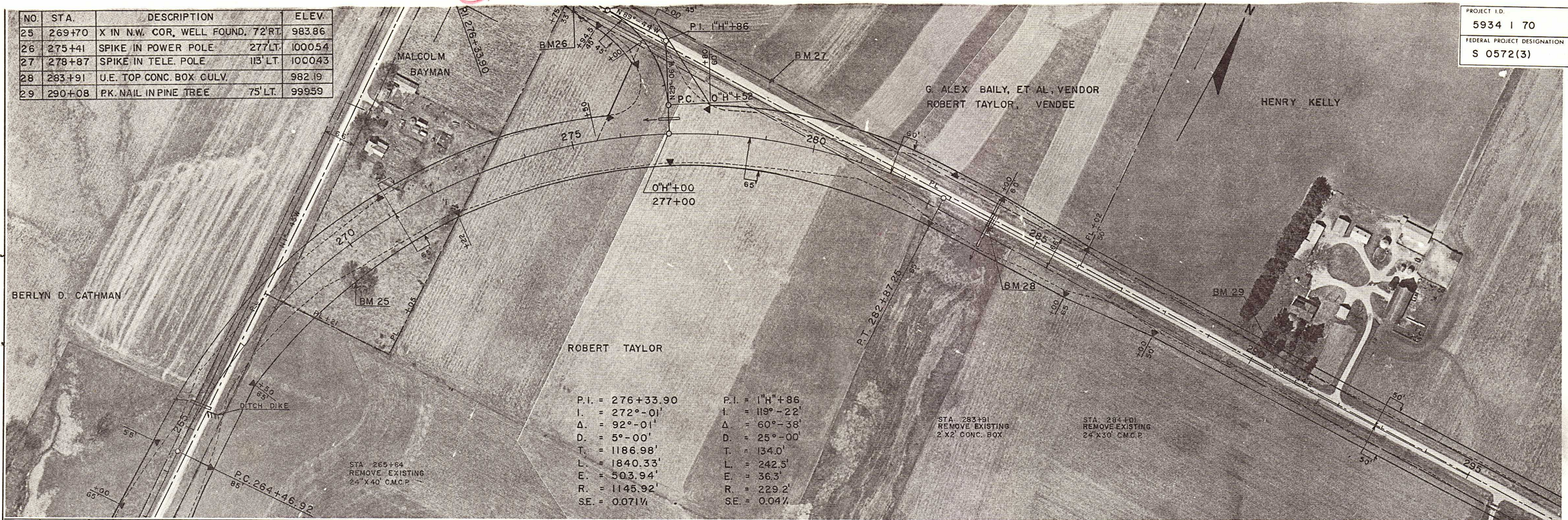
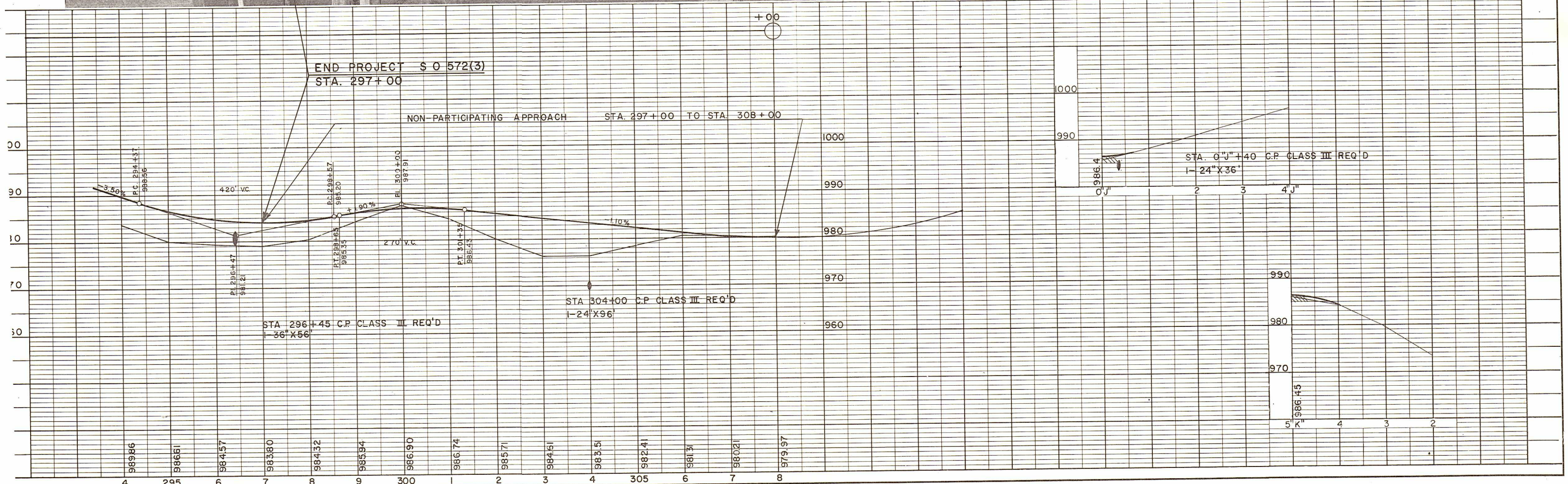
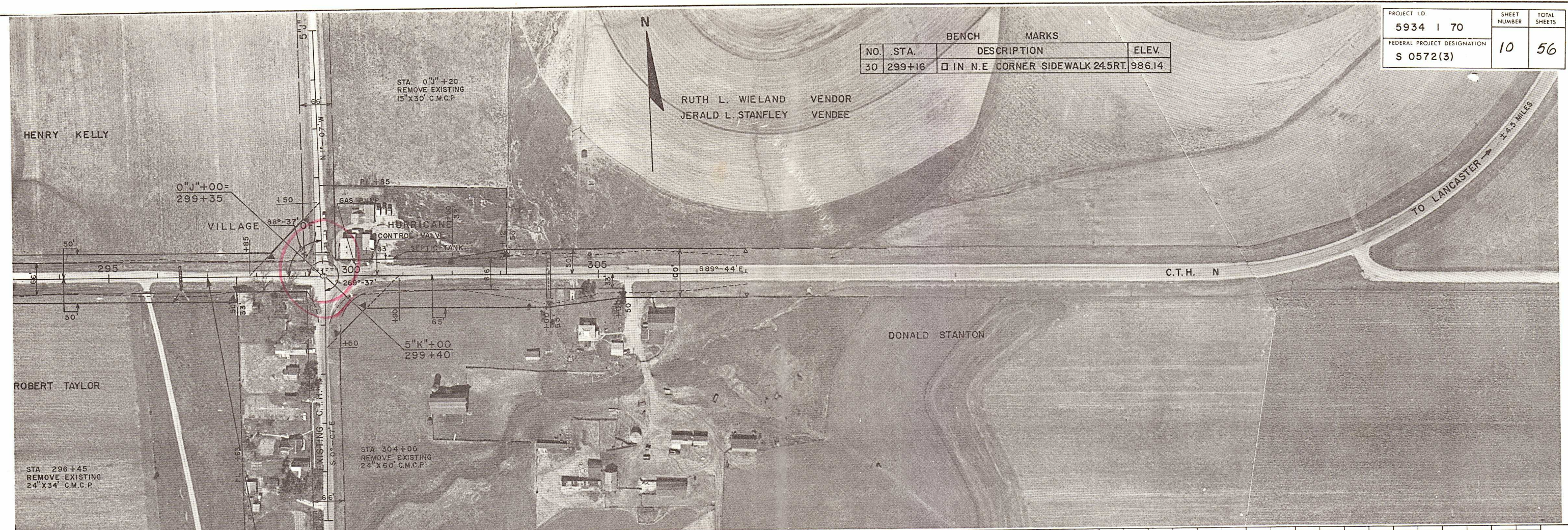


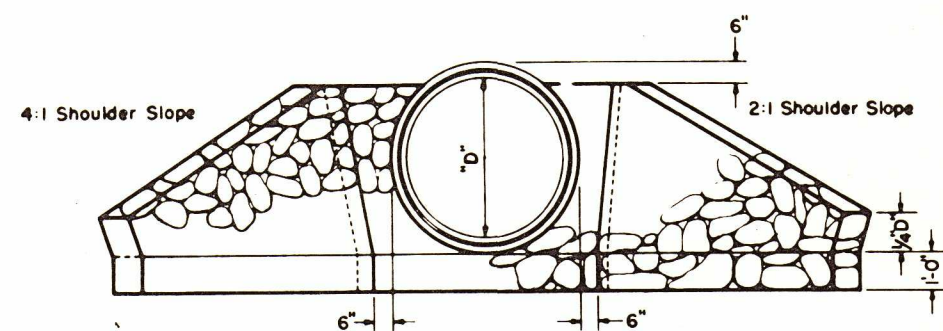
PLATE 1-PLAN-PROFILE O. P. R. & E.
MADE AND PRINTED IN U.S.A.
CHARLES BRUNING COMPANY, INC.

NO.	STA.	DESCRIPTION	ELEV.
25	269+70	X IN N.W. COR. WELL FOUND. 72' RT.	983.86
26	275+41	SPIKE IN POWER POLE 277' LT.	1000.54
27	278+87	SPIKE IN TELE. POLE 113' LT.	1000.43
28	283+91	U.E. TOP CONC. BOX CULV.	982.19
29	290+08	P.K. NAIL IN PINE TREE 75' LT.	999.59

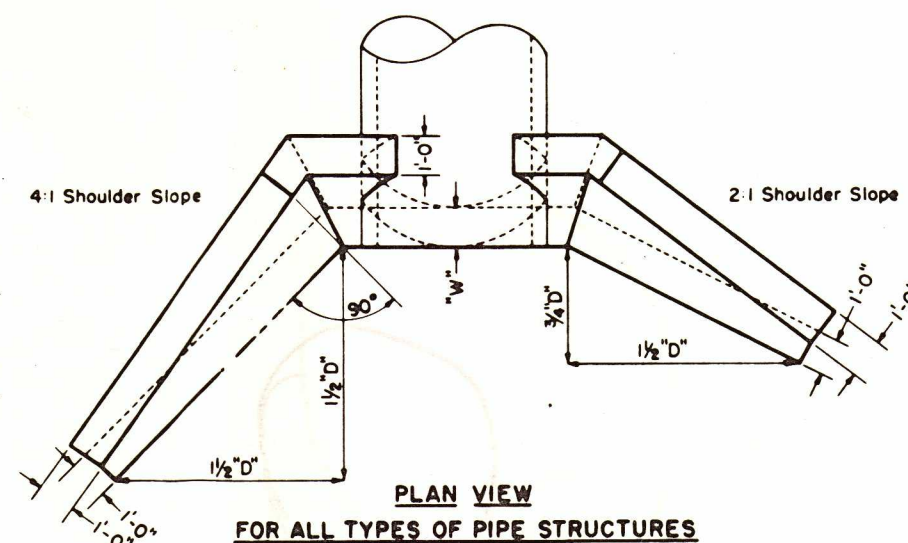
PROJECT I.D.	5934 I 70	SHEET NUMBER	9	TOTAL SHEETS	56
FEDERAL PROJECT DESIGNATION	S 0572(3)				



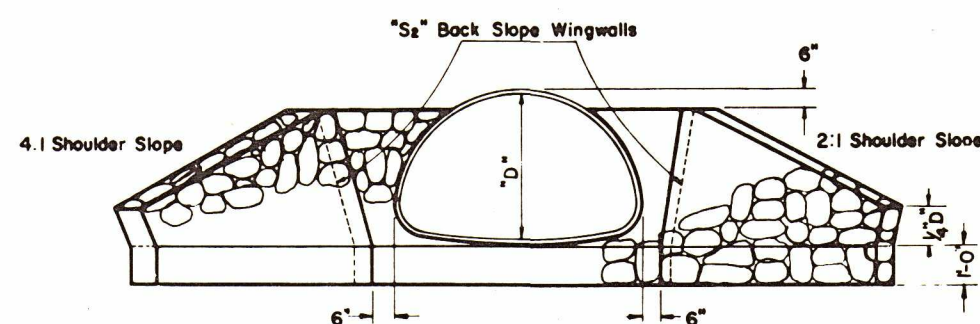




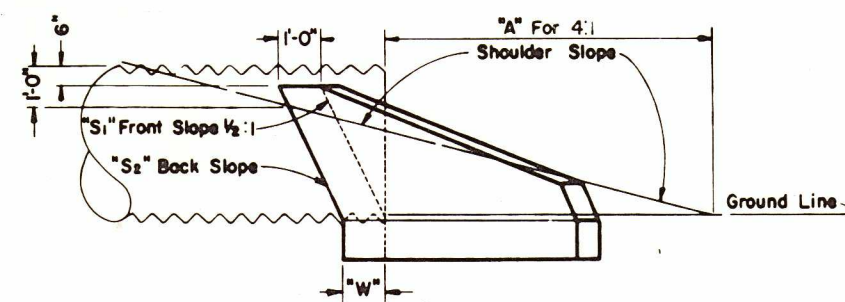
END ELEVATION
SHOWING CONCRETE CIRCULAR PIPE INCL. CATTLE PASS



PLAN VIEW
FOR ALL TYPES OF PIPE STRUCTURES



END ELEVATION
SHOWING CORRUGATED METAL PIPE ARCH



SIDE ELEVATION

Size of Pipe	Type of 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)
		4:1 Slope	2:1 Slope	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"x18"	C.M.C.P.	1.0	0.8	1.1	0.3	1/2:1	1/2:1	1.0
36"x22"	"	1.3	1.0	2.2	0.5	"	"	"
43"x27"	"	1.7	1.2	3.7	1.0	"	"	"
50"x31"	"	1.9	1.4	4.9	1.5	"	"	"
58"x36"	"	2.1	1.7	6.3	2.1	"	"	"
65"x40"	"	2.5	2.0	7.5	2.6	"	"	"
72"x44"	"	2.9	2.4	8.6	3.1	"	"	"

CATTLE PASS

72"	ALTERNATE	12.4	9.9	18.3	7.1	"	"	2.68
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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

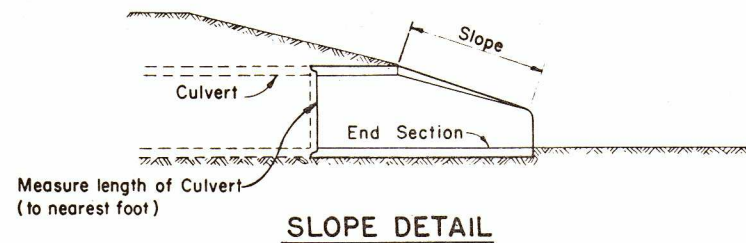
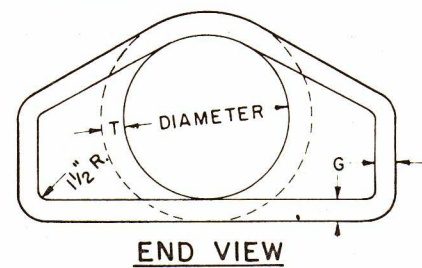
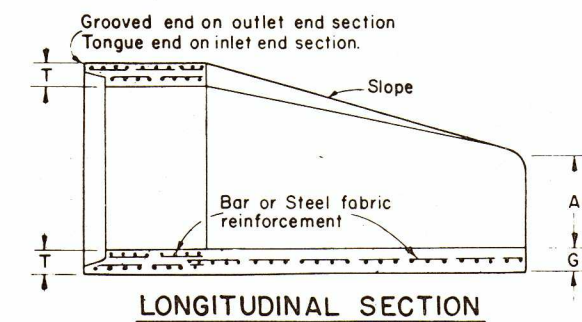
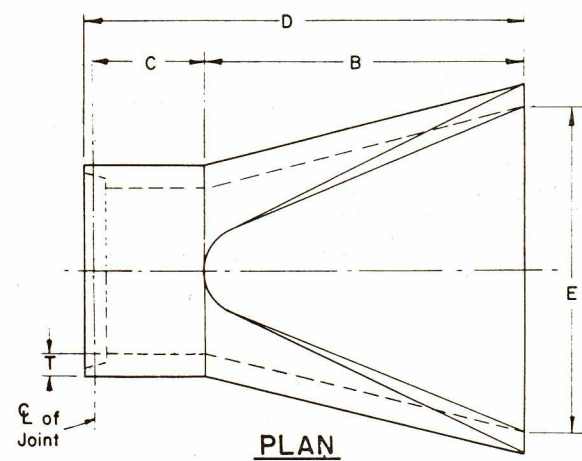
APPROVED:

DATE 2/6/63

J. J. Pelt
ENGINEER OF DESIGN

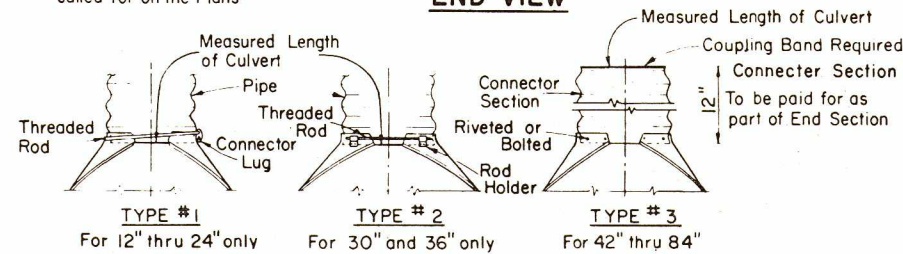
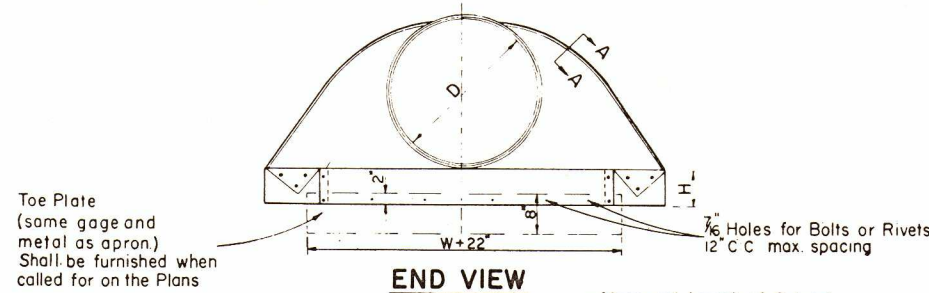
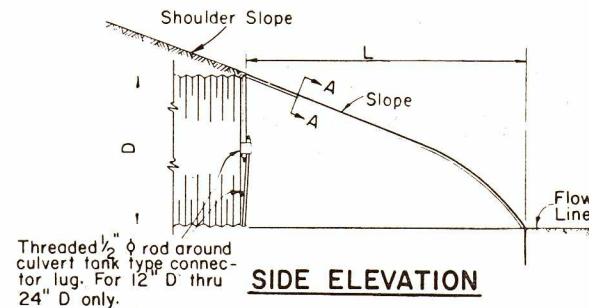
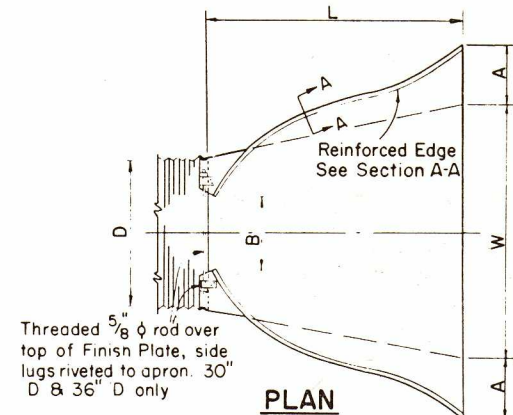
E. C. Rostetter
STATE HIGHWAY ENGINEER

PLATE NO. 6-2.4.3



DIA.	APPROX. WEIGHT/SECTION	APPROX. SLOPE	T	A	B	C	D	E	G
12"	530	3 to 1	2"	4"	24"	48 7/8"	72 7/8"	24"	2"
15"	740	3 to 1	2 1/4"	6"	27"	46"	73"	30"	2 1/4"
18"	990	3 to 1	2 1/2"	9"	27"	46"	73"	36"	2 1/2"
21"	1280	3 to 1	2 3/4"	9"	36"	37 1/2"	73 1/2"	42"	2 3/4"
24"	1520	3 to 1	3"	9 1/2"	43 1/2"	30"	73 1/2"	48"	3"
27"	1930	3 to 1	3 1/4"	10 1/2"	49 1/2"	24"	73 1/2"	54"	3 1/4"
30"	2190	3 to 1	3 1/2"	12"	54"	19 3/4"	73 3/4"	60"	3 1/2"
36"	4100	3 to 1	4"	15"	63"	34 3/4"	97 3/4"	72"	4"
42"	5380	3 to 1	4 1/2"	21"	63"	35"	98"	78"	4 1/2"
48"	6550	3 to 1	5"	24"	72"	26"	98"	84"	5"
54"	8040	2 1/2 to 1	5 1/2"	27"	65"	33 1/4 min. 35 max.	98 1/4 min. 100 max.	90"	5"
60"	8730	2 to 1	6"	30 min. 35 max.	60"	39"	99"	96"	5"
66"	10,630	2 to 1	6 1/2"	24 min. 30 max.	72 min. 78 max.	21 min. 27 max.	99"	102"	5 1/2"
72"	12,520	2 to 1	7"	36 min. 36 max.	78"	21"	99"	108"	6"
78"	14,430	2 to 1	7 1/2"	24 min. 36 max.	78"	21"	99"	114"	6 1/2"
84"	18,160	1 1/2 to 1	8"	36"	90 1/2"	21"	111 1/2"	120"	6 1/2"

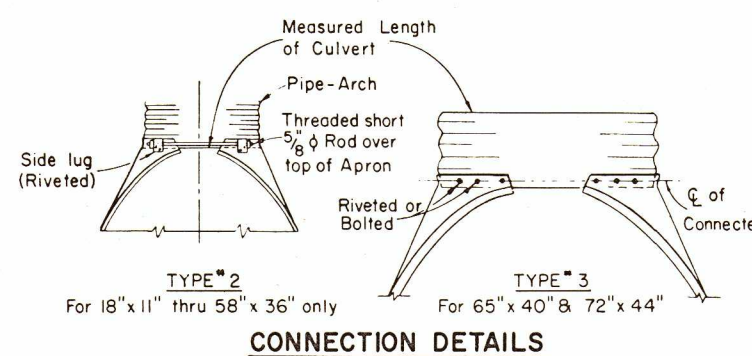
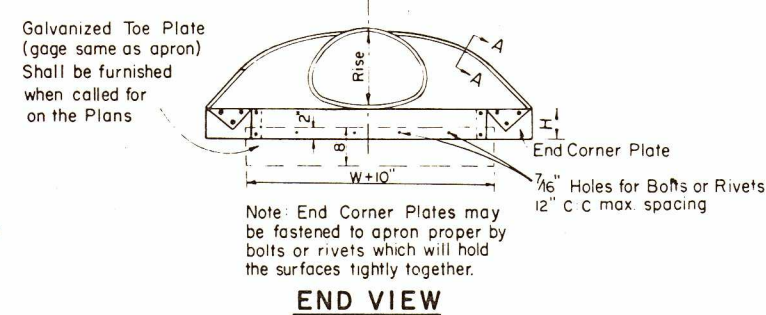
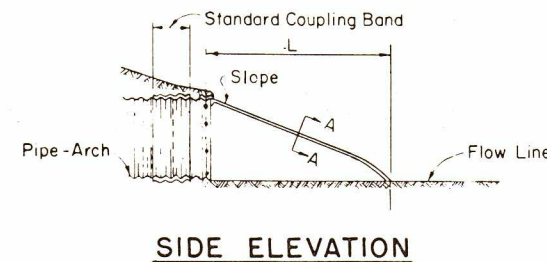
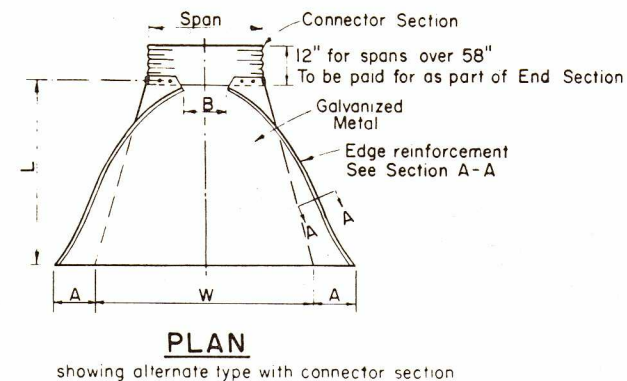
REINFORCED CONCRETE APRON ENDWALLS



D Pipe Diam.	Gage Min.	Dimensions						Approx. Slope
		A ± 1"	B Max.	H ± 1"	L ± 1 1/2"	W ± 2"		
12"	16	6"	6"	6"	21"	24"	2 1/2 to 1	
15"	16	7"	8"	6"	26"	30"	"	
18"	16	8"	10"	6"	31"	36"	"	
21"	16	9"	12"	6"	36"	42"	"	
24"	16	10"	13"	6"	41"	48"	"	
30"	14	12"	16"	8"	51"	60"	"	
36"	14	14"	19"	9"	60"	72"	"	
42"	12	16"	22"	11"	69"	84"	"	
48"	12	18"	27"	12"	78"	90"	2 1/4 to 1	
54"	12	18"	30"	12"	84"	102"	2 to 1	
60"	12	18"	33"	12"	87"	114"	1 3/4 to 1	
66"	12	18"	36"	12"	87"	120"	1 1/2 to 1	
72"	12	18"	39"	12"	87"	126"	1 1/3 to 1	
78"	12	18"	42"	12"	87"	132"	1 1/4 to 1	
84"	12	18"	45"	12"	87"	138"	1 1/6 to 1	

Note: All splices to be lap riveted or bolted.

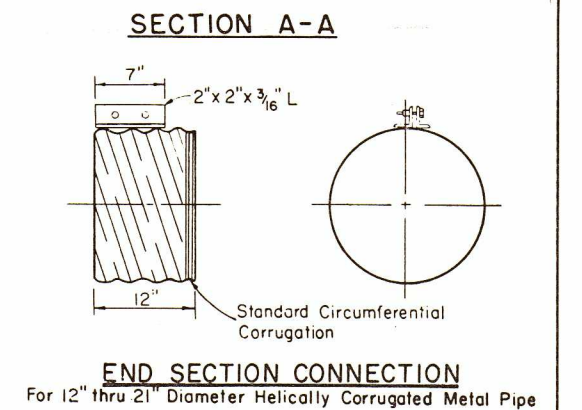
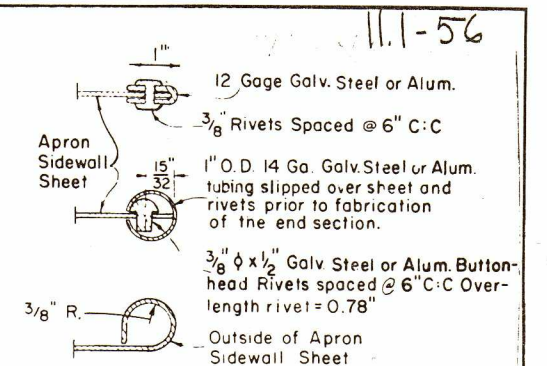
METAL APRON ENDWALLS



Pipe - Arch Dimensions	Gage Min.	Dimensions						Approx. Slope
Span Rise		A ± 1"	B Max.	H ± 1"	L ± 1 1/2"	W ± 2"		
18" 11"	16	7"	9"	6"	19"	30"	2 1/2 to 1	
22" 13"	16	7"	10"	6"	23"	36"	"	
25" 16"	16	8"	12"	6"	28"	42"	"	
29" 18"	16	9"	14"	6"	32"	48"	"	
36" 22"	14	10"	16"	6"	39"	60"	"	
43" 27"	14	12"	18"	8"	46"	75"	"	
50" 31"	12	13"	21"	9"	53"	85"	"	
58" 36"	12	18"	26"	12"	63"	90"	"	
65" 40"	12	18"	30"	12"	70"	102"	2 1/4 to 1	
72" 44"	12	18"	33"	12"	77"	114"	"	

Note: All splices to be lap riveted or bolted

APRON ENDWALLS FOR PIPE ARCH



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.

NOTE

Variations of the dimensions and designs shown hereon will be permitted providing equivalent capacity and structural integrity are attained, and prior approval of the Engineer is obtained.

Reinforced concrete apron endwalls shall be used with concrete pipe culvert installations, steel apron endwalls shall be used with corrugated steel pipe culvert installations, and aluminum apron endwalls shall be used with corrugated aluminum pipe culvert installations, except that steel apron endwalls may be used on corrugated aluminum pipe culverts when a non-metallic insulation material is placed between the steel and aluminum. The non-metallic insulation material shall be so placed between the two metals so as to prohibit galvanic action from occurring.

When two or more pipes or pipe arches with apron endwalls are to be laid adjacent to each other, they shall be separated by the following amount:

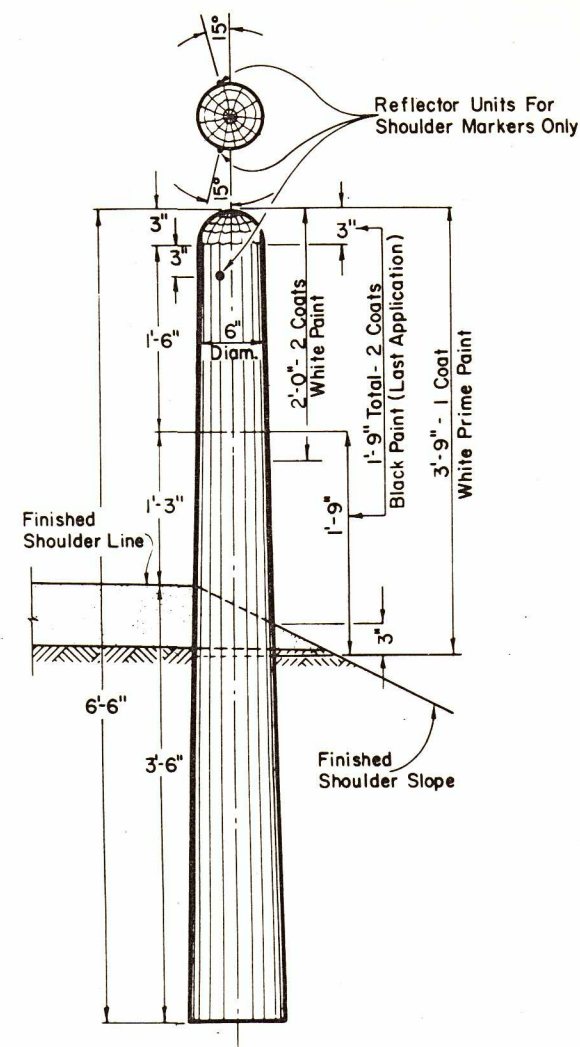
Pipes: Total width of apron endwall less the diameter of pipe plus 6 inches.

Pipe Arches: Total width of apron endwall less the span dimension of the pipe arch plus 6 inches.

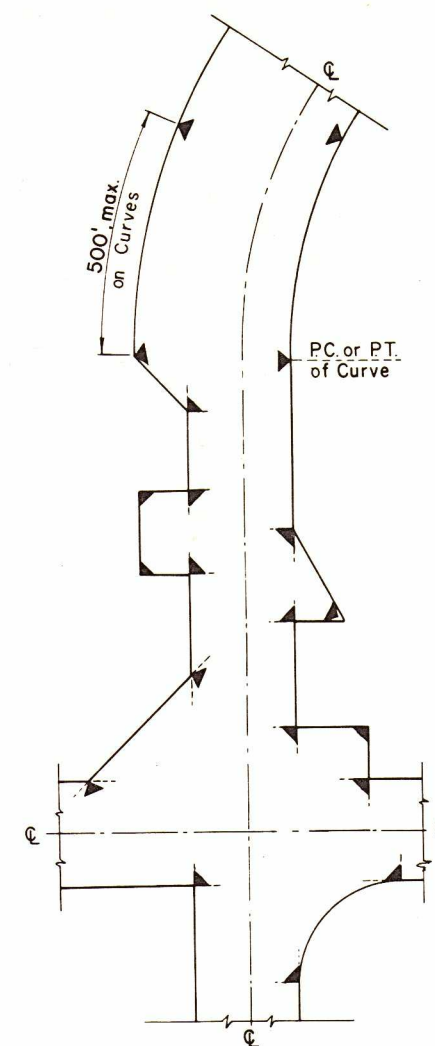
APRON ENDWALLS FOR CULVERT PIPE & PIPE ARCH

State of Wisconsin
Department of Transportation
Division of Highways

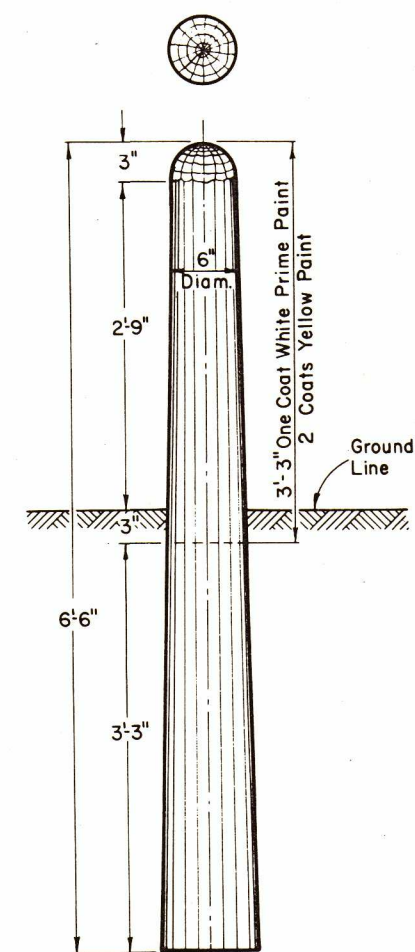
RECOMMENDED FOR APPROVAL:
12/19/68
DATE
E. J. Byrd
CHIEF DESIGN ENGINEER
APPROVED:
1/24/69
DATE
M. J. Bernier
STATE HIGHWAY ENGINEER



MARKER POST FOR
ROAD SHOULDERS



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



MARKER
POST
FOR
RIGHT OF WAY

MARKER POST FOR RIGHT OF WAY

GENERAL NOTES

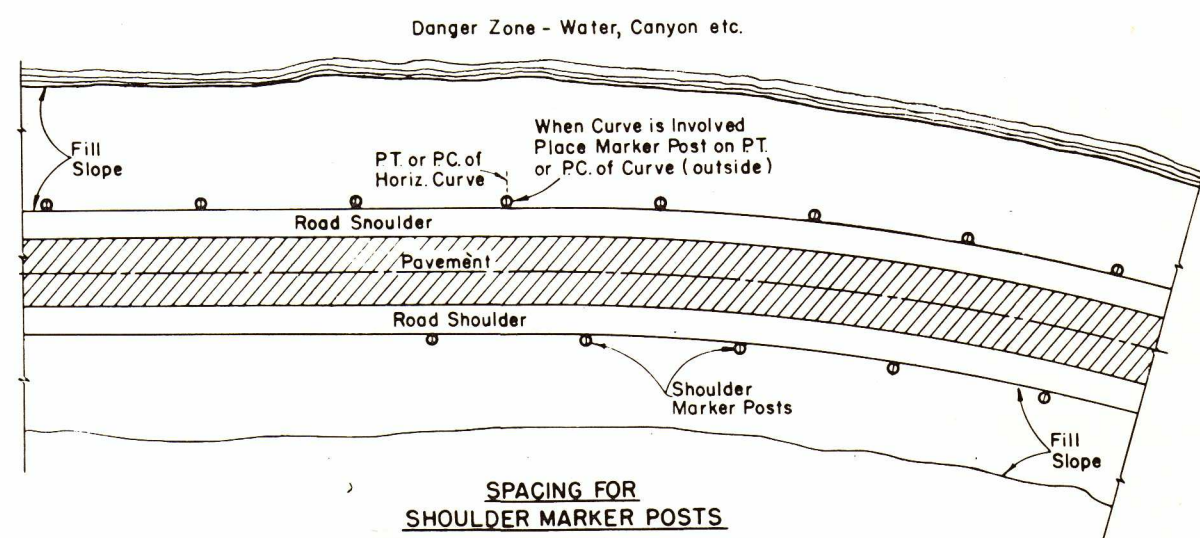
Details of construction not shown on this drawing shall conform to the pertinent requirements of the Standard Specifications and the applicable Special Provisions.

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 be installed in road shoulder marker posts only. 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.



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

MARKER POSTS FOR ROAD SHOULDERS

MARKER POSTS & MARKER POSTS FOR RIGHT OF WAY

State Highway Commission of Wisconsin

RECOMMENDED FOR APPROVAL:

DATE 7/6/66

APPROVED

7 5/6

/ DAY

APPROVAL: 
E. J. Byrkit
CHIEF DESIGN ENGINEER

122

H. E. Jacobson

STATE HIGHWAY ENGINEER
 51-11-312

STATE HIGHWAY ENGINEER
Plate No. 7-1.3.5

GENERAL NOTES

The contractor shall construct, place and maintain barricades as shown on the drawing and as required by the Standard Specifications or applicable Special Provisions.

CLASS 1 BARRICADE:

Class 1 Barricades shall be of variable length as indicated, and long barricades shall be assembled from these units. The Class 1 Barricade is the type normally required for major operations, where the barricade will remain in place for extended periods. Class 1 Barricades shall be used at points where the road is closed to traffic. Gates or movable sections of a barricade shall be provided when necessary, for access of equipment or other authorized vehicles. Wing Barricades are Class 1 Barricades erected on the shoulder on one or both sides of the pavement to give Traffic the perceptive effect of a narrowing or restricted roadway. The ends closest to traffic of all three members of a wing barricade shall be in a vertical line. If used in a series, they should start at the outer edge of the shoulder and be brought progressively closer to the pavement. Wing Barricades may be used as a mounting for the advance warning or guide signs or for flashers. When used on two-way roadways, the back of the wing barricade shall be painted reflectorized white.

CLASS 11 BARRICADE:

Class 11 Barricades may be used only where the hazard to traffic is relatively small, and for the more or less continuous delimiting of a restricted roadway, or for temporary daytime use.

MATERIAL & FABRICATION:

Lumber shall be of a grade structurally sound and sufficiently rigid to satisfactorily support and maintain the purpose and intent of a barricade facility. Metal shall be sufficiently rigid to satisfactorily support and maintain the purpose and intent of a barricade facility. The fabrication of the barricade shall be in accord with good pertinent woodworking and metalworking practices. All lumber or timber dimensions stated are nominal.

PAINTING:

All barricades shall be painted in alternate 4" or 6" black and white stripes at a 45° angle. The width of stripe shall be consistent for each complete barricade installation. Black stripes shall be painted with weather resistant and durable black paint. White stripes shall be primed, followed by two coats of white reflectorized paint or reflective wide angle sheeting.

DIRECTION OF DIAGONAL STRIPES:

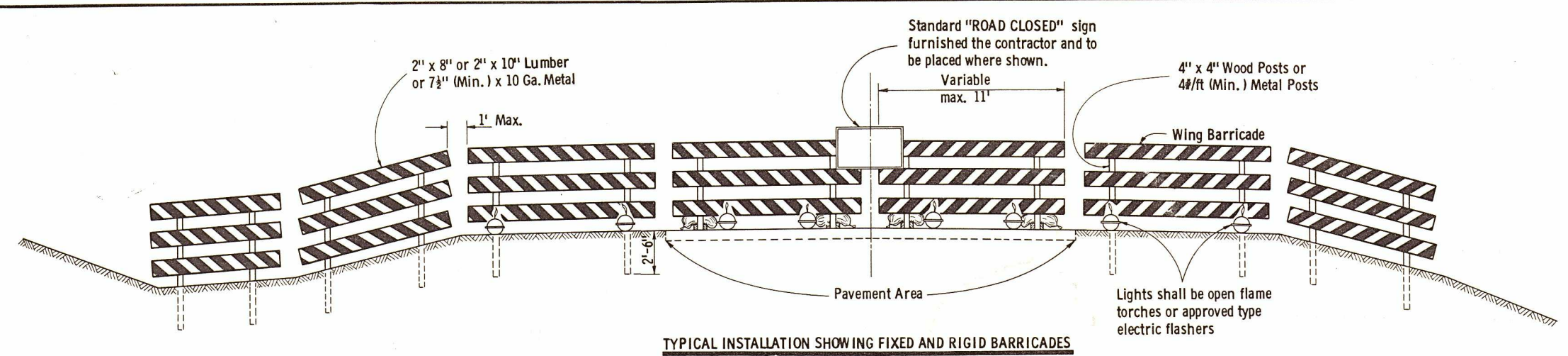
Where a barricade extends entirely across the roadway with no vehicle access provision, the stripes shall slope downward toward the highway centerline. Where vehicle access is permitted, the stripes shall slope downward in the direction toward which vehicles must turn in detouring. Where both right and left turns are provided for, the stripes shall slope downward in both directions from the center. The stripes on wing barricades shall point downward toward the roadway.

LIGHTING:

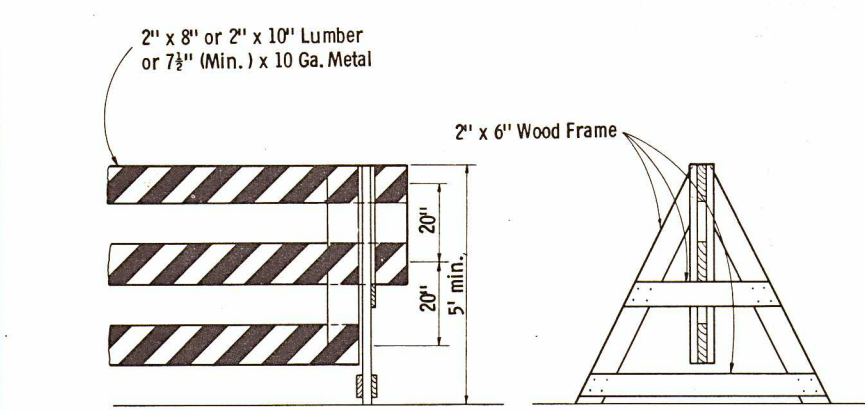
Lighting devices for barricades shall conform to the requirements of the Standard Specifications.

MEASUREMENT & PAYMENT:

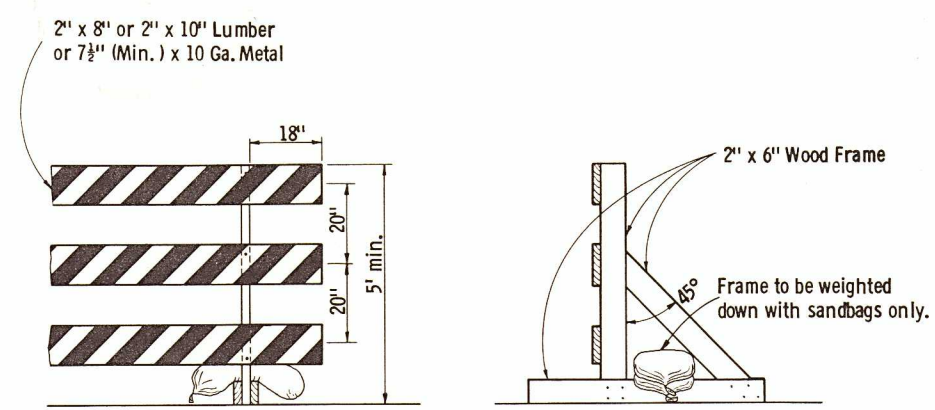
All barricades, unless otherwise provided for in the plans and/or special provisions shall be furnished, placed, and maintained as noted above, and no additional compensation will be allowed but shall be construed to be included in the price bid for other items.



TYPICAL INSTALLATION SHOWING FIXED AND RIGID BARRICADES

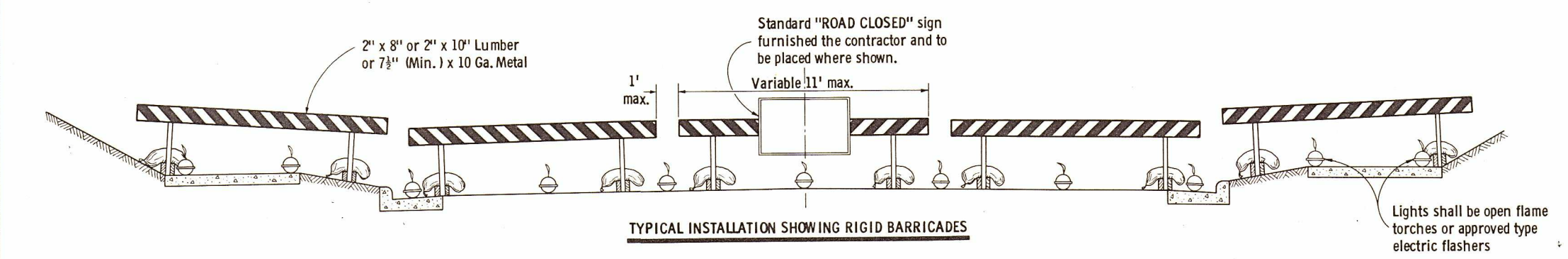


ALTERNATE TYPE INSTALLATION (DISMOUNTABLE)

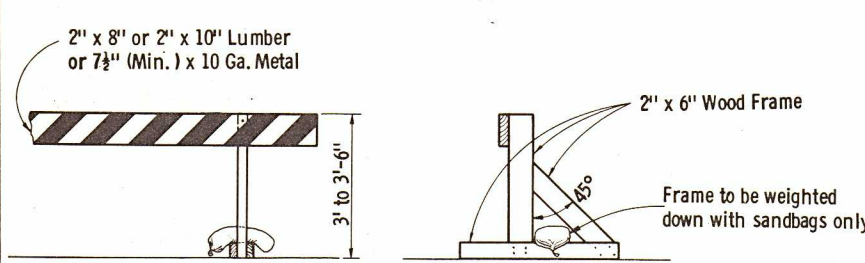


ALTERNATE TYPE INSTALLATION (RIGID)

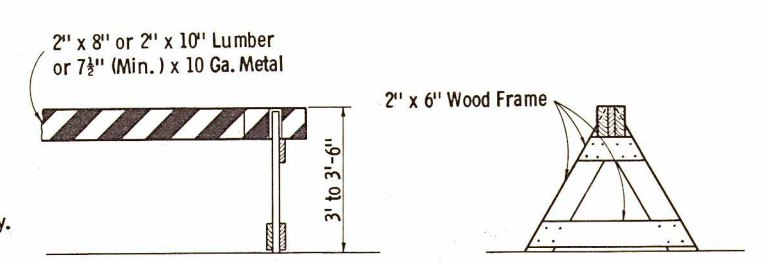
CLASS I BARRICADES



TYPICAL INSTALLATION SHOWING RIGID BARRICADES

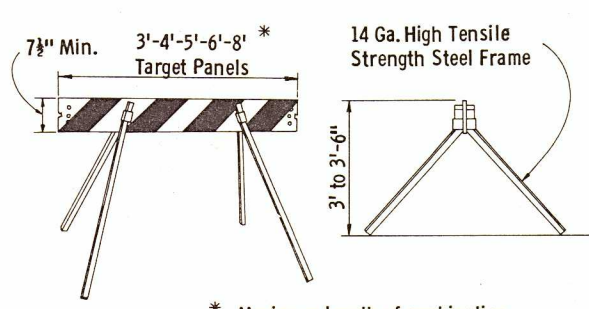


ALTERNATE TYPE INSTALLATION (RIGID)

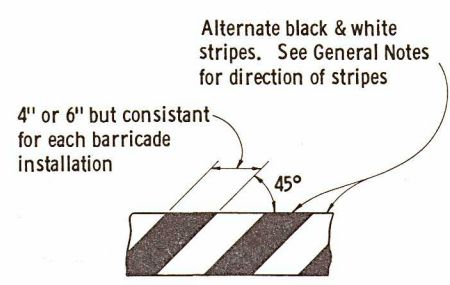


ALTERNATE TYPE INSTALLATION (DISMOUNTABLE)

CLASS II BARRICADES



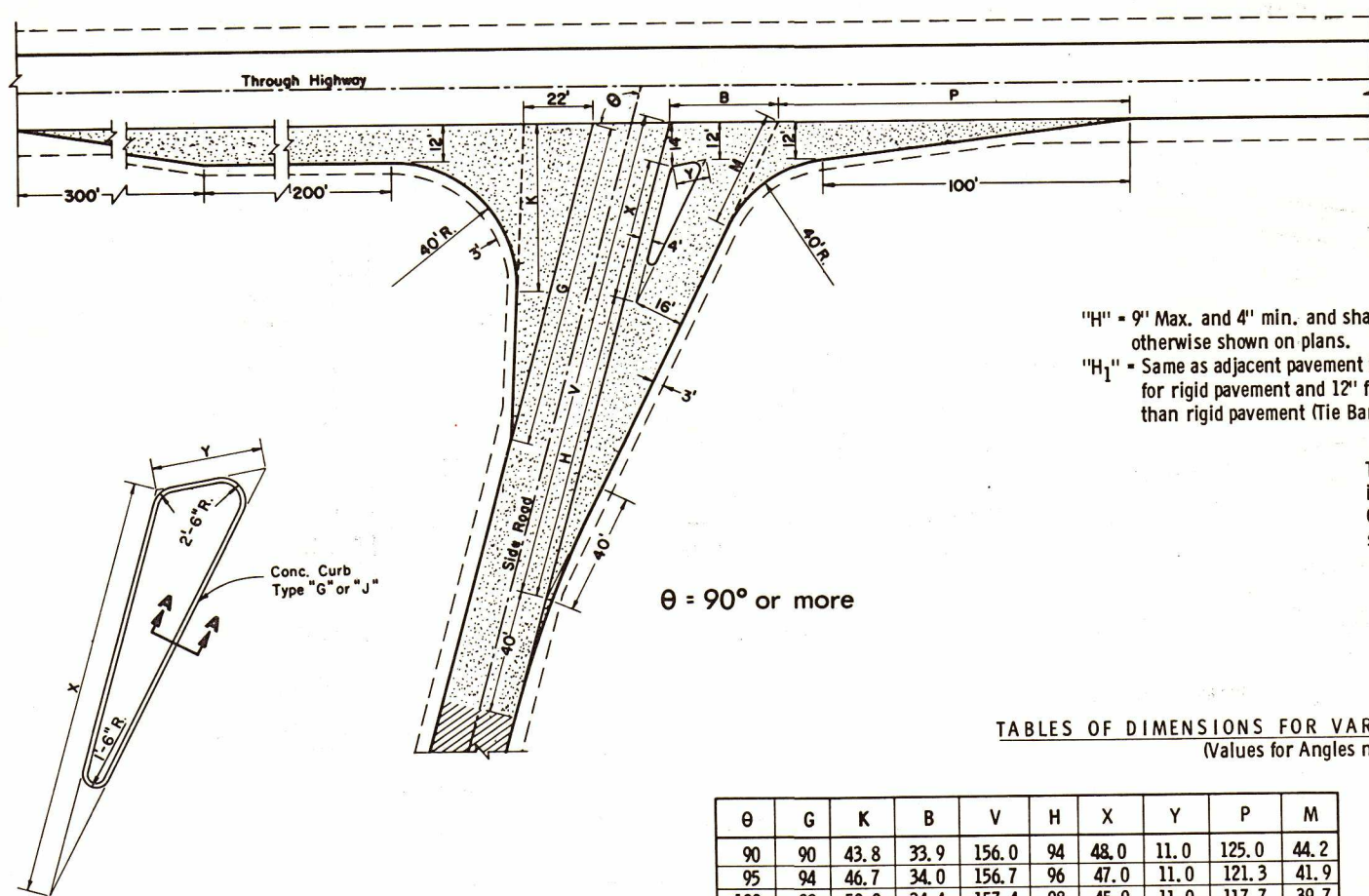
ALTERNATE TYPE INSTALLATION (DISMOUNTABLE)



TYPICAL DIAGONAL STRIPES

Applies to all Classes & Types of Barricades

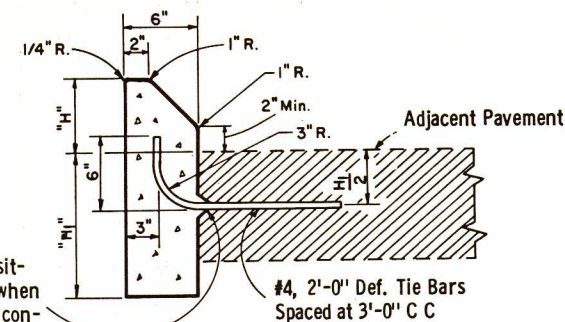
CONSTRUCTION BARRICADE	
State Highway Commission of Wisconsin	
RECOMMENDED FOR APPROVAL:	
DATE: 1/11/67	DESIGN ENGINEER: E.J. B...
APPROVED: 1/13/67	STATE HIGHWAY ENGINEER: J.P. Dummit



$\theta = 90^\circ$ or more

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

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



SECTION A-A

Note: To be measured and paid for as Type "G" (Including Tie Bars) or Type "J" (Excluding Tie Bars) Concrete Curbs.

TABLES OF DIMENSIONS FOR VARIABLE SIDE ROAD INTERSECTION ANGLES
 (Values for Angles not shown shall be interpolated)

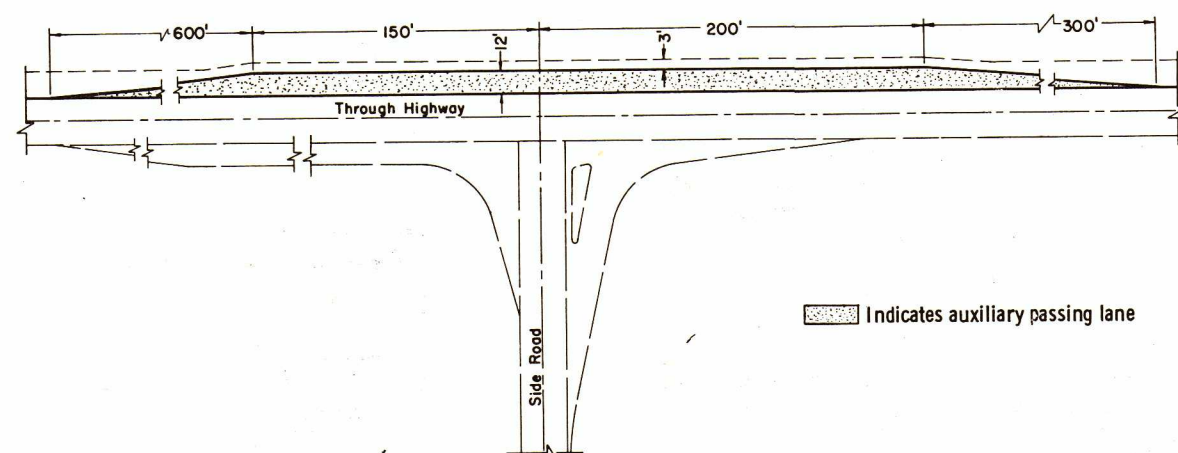
θ	G	K	B	V	H	X	Y	P	M
90	90	43.8	33.9	156.0	94	48.0	11.0	125.0	44.2
95	94	46.7	34.0	156.7	96	47.0	11.0	121.3	41.9
100	98	50.0	34.4	157.4	98	45.9	11.0	117.7	39.7
105	102	53.8	35.2	158.3	100	44.9	11.2	114.2	37.8
110	106	58.2	36.4	159.2	102	43.7	11.4	110.6	36.2
115	110	63.4	38.4	161.8	104	42.6	11.7	107.1	34.8
*120	114	69.4	40.1	161.2	106	41.4	12.2	103.4	33.7

*Maximum angle of intersection

θ	C	G	K	B	V	X	Y	H	P	M	T
*60	19.7	76.3	38.6	41.5	169.9	67.4	29.3	84	144.5	58.8	21.6
65	17.8	82.6	40.6	39.4	166.9	63.6	25.0	86	141.2	54.9	20.7
70	15.8	87.2	43.1	37.4	164.1	59.7	21.9	88	136.8	51.4	19.2
75	15.7	90.9	45.6	35.7	161.4	55.9	19.3	90	132.7	48.2	17.4
80	15.9	94.9	48.3	34.4	158.9	51.9	17.0	92	128.8	45.3	14.9
85	16.2	99.3	51.4	33.4	156.4	48.0	15.0	94	125.2	42.7	10.4

*Desirable Minimum angle of intersection

TYPE "A" SIDE ROAD INTERSECTION DETAILS



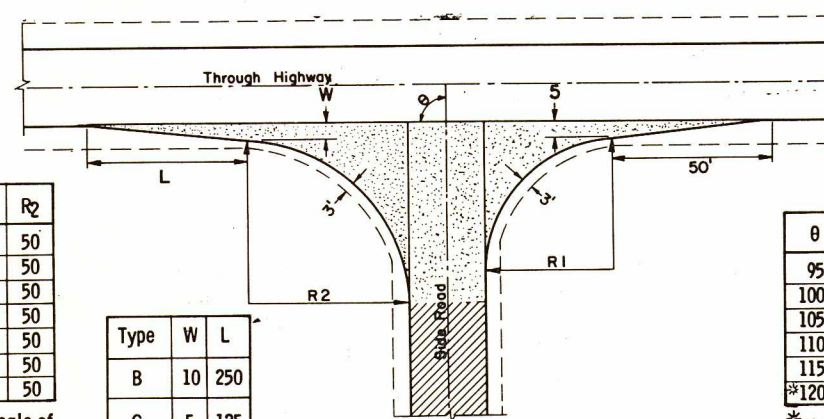
PASSING LANE DETAIL

Indicates auxiliary passing lane

θ	R ₁	R ₂
*60	40	50
65	40	50
70	40	50
75	40	50
80	40	50
85	40	50
90	40	50

*Min. Angle of Intersection

Type	W	L
B	10	250
C	5	125



TYPE "B" & "C" SIDE ROAD INTERSECTION DETAILS

θ	R ₁	R ₂
95	45	49
100	50	48
105	55	47
110	60	46
115	65	45
*120	70	44

*Max. Angle of Intersection

GENERAL NOTES

Designs may be used interchangeably in combination or separately for any one complete intersection depending upon 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.

SIDE ROAD SURFACING NOTE

If the side road is not presently paved, pavement shall be placed to the limits shown. In the case where the construction limits are beyond the paving limits, gravel or crushed stone surfacing shall be placed between the paving limits and construction limits.

If the side road is presently paved, new pavement shall be placed to the limits of design as shown and beyond, if necessary, to meet existing pavement.

If side road is the construction project, the intersection surfacing shall be the same as for the project.

New Pavement
 Existing Surface

LAYOUT DETAILS FOR AT-GRADE SIDE ROAD INTERSECTIONS

State Highway Commission of Wisconsin

RECOMMENDED FOR APPROVAL:

8/9/67
DATE

8/9/67
DATE

E. J. Rykel
CHIEF DESIGN ENGINEER

A. J. Burmeister
STATE HIGHWAY ENGINEER



DETAILS FOR PIPE CATTLE PASS, CONCRETE ENDWALLS AND STEPS

State of Wisconsin
Department of Transportation
Division of Highways

RECOMMENDED FOR APPROVAL:

3/13/69 E. J. Byskit
DATE CHIEF DESIGN ENGINEER

APPROVED:

3/27/69 H. J. Darminger
DATE STATE HIGHWAY ENGINEER

Plate No. 6-7.1.6

- ### GENERAL NOTES
1. Details of construction, materials, and workmanship not shown on this drawing shall conform to the pertinent requirements of the Standard Specifications and the applicable Special Provisions.
 2. Detailed drawings of proposed alternate designs shall be submitted to the Engineer for approval and such alternate designs shall provide equivalent strength.
 3. All steel reinforcement shall be embedded 2" clear unless otherwise noted.
 4. All steel reinforcement or fabric used as shown above shall be incidental to the Bid Item of which it is an integral part.
 5. Excavation incidental to the bid of Endwall and Steps.

STATE HIGHWAY COMMISSION OF WISCONSIN

ORIGINAL- 1182

06/05/69 1 TH U HURRICANE ROAD CTH N														5934 1 50 14				EARTHWORK ESTIMATES				PAGE 1	
STA	FILL AREA	CUT AREA	FILL VOLUME	CUT VOLUME	ACCUM FILL VOLUME	ACCUM CUT VOLUME	COMPACTIION COMMON	FACTORS M/R	MARSH AREA	ROCK AREA	MARSH CUT & FILL	ROCK VOLUME	ACCUM MARSH VOLUME	ACCUM ROCK VOLUME	ACCUM NET VOLUME	GRASS AREA							
127+50	35		32	409	32	409	.700	1.050				70		70		327							
			32	286	32	286				76		73		73									
128+00		442			2288	3141	.700	1.050				1292		1362		1340							
			1	1767	2288	2199						1356		1429									
ADD VOLUME																							
			2255	965	CTH U																		
			2255	676						622													
129+00	1	513			2039	2289	5180	.700	1.050			2506		3868		5398							
			1	1427	2289	3626				732		2632		4061									
130+00		589			2272	2289	7452	.700	1.050			2053		5921		9145							
			1	1237	2288	2199						2156		6217									
131+00		639			1591	2289	5217			377		698		6619		11722							
			2635	2289	10087	.700	1.050					733		6950									
			1844	2289	7061																		
132+00		784			2209	2289	12296	.700						6619		13268							
			1546	2289	8607									6950									
133+00		409			1116	1003	2405	.700						6619		13854							
			116	702	2405	9309								6950									
134+00	63	133			315	369	2720	.700						6619		13797							
			315	258	2720	9567								6950									
135+00	107	66			488	268	3208	.700						6619		13496							
			488	187	3208	9754								6950									
136+00	157	79			674	208	3882	.700						6619		12967							
			674	145	3882	9899								6950									
137+00	207	34			590	153	4472	.700						6619		12484							
			590	107	4472	10006								6950									
138+00	111	49			234	306	4706	.700						6619		12464							
			234	214	4706	10220								6950									
139+00	15	117																					

STATE HIGHWAY COMMISSION OF WISCONSIN

ORIGINAL- 1182

06/05/69 1 TH U HURRICANE ROAD CTH N														5934 1 50 14				EARTHWORK ESTIMATES				PAGE 2	
STA	FILL AREA	CUT AREA	FILL VOLUME	CUT VOLUME	ACCUM FILL VOLUME	ACCUM CUT VOLUME	COMPACTIION COMMON	FACTORS M/R	MARSH AREA	ROCK AREA	MARSH CUT & FILL	ROCK VOLUME	ACCUM MARSH VOLUME	ACCUM ROCK VOLUME	ACCUM NET VOLUME	GRASS AREA							
139+00	15	117		37	479	4743	15082	.700						6619		12762							
			37	335	4743	10555								6950									
140+00	5	142		8	518	4751	15600	.700						6619		13116							
			8	362	4751	10917								6950									
141+00		138		27	402	4778	16002	.700						6619		13370							
			27	281	4778	11198								6950									
142+00	15	80		102	247	4880	16249	.700						6619		13441							
			102	173	4880	11371								6950									
143+00	40	54		190	141	5070	16390	.700						6619		13350							
			190	99	5070	11470								6950									
144+00	62	23		429	41	5499	16431	.700						6619		12950							
			429	29	5499	11499								6950									
145+00	169			740	6239	16431								6619		12210							
			740		6239	11499								6950									
146+00	230			1017	7256	16431								6619		11193							
			1017		7256	11499								6950									
147+00	319			1340	8596	16431								6619		9853							
			1340		8596	11499								6950									
148+00	405			1690	10286	16431								6619		8163							
			1690		10286	11499								6950									
149+00	508			2023	12309	16431								6619		6140							
			2023		12309	11499								6950									
150+00	584			2005	14314	16431								6619		4135							
			2005		14314	11499								6950									
151+00	498			1544	15858	16431								6619		2591							
			1544		15858	11499								6950									
152+00	336																						

STATE HIGHWAY COMMISSION OF WISCONSIN

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06/05/69 1 TH U HURRICANE ROAD CTH N														5934 1 50 14				EARTHWORK ESTIMATES				PAGE 3	
STA	FILL AREA	CUT AREA	FILL VOLUME	CUT VOLUME	ACCUM FILL VOLUME	ACCUM CUT VOLUME	COMPACTIION COMMON	FACTORS M/R	MARSH AREA	ROCK AREA	CUT & FILL	ROCK VOLUME	ACCUM MARSH VOLUME	ACCUM ROCK VOLUME	ACCUM NET VOLUME	GRASS AREA							
152+00	336				888	62	16746	.700						6619		1746							
					888	43	16746	11542						6950									
153+00	144	34			386	177	17132	.700						6619		1484							
					386	124	17132	11666						6950									
154+00	65	62			162	398	17294	.700						6619		1601							
					162	279	17294	11945						6950									
155+00	23	153			46	808	17340	.700						6619		2121							
					46	566	17340	12511						6950									
156+00	2	283			4	1255	17344	.700						6619		2995							
					4	878	17344	13389						6950									
157+00		394			1590	17344	20721	.700						6619		4108							
					1113		17344	14502						6950									
158+00	465				1808	17344	22529	.700						6619		5373							
					1265		17344	15767						6950									
159+00		512			1985	17344	24514	.700						6619		6762							
					1389		17344	17156						6950									
160+00	560				2184	17344	26698	.700						6619		8290							
					1528		17344	18684						6950									
161+00	619				1967	17344	28665	.700						6619		9667							
					1377		17344	20061						6950									
162+00	443				1282	17344	29947	.700						6619		10564							
					897		17344	20958						6950									
163+00	249				25	548	17369	.700						6619		11713							
					25	383	17369	22132						6950									
ADD VOLUME																							
					1130	SIDE ROAD E																	
								791															
164+00	14	47																					

5934-1-70

12 50

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5934-1-70

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STATE HIGHWAY COMMISSION OF WISCONSIN																	ORIGINAL- 1182					
06/05/69 1 TH U HURRICANE ROAD CTH N																	5934 1 50 14 EARTHWORK ESTIMATES				PAGE 4	
STA	FILL AREA	CUT AREA	FILL VOLUME	CUT VOLUME	ACCUM FILL VOLUME	ACCUM CUT VOLUME	COMPACTIION FACTORS COMMON	M/R	MARSH AREA	ROCK AREA	CUT & VOLUME	FILL	ROCK VOLUME	ACCUM MARSH VOLUME	ACCUM ROCK VOLUME	ACCUM NET VOLUME	GRASS AREA					
164+00	14	47	807	86	18176	31711	.700								6619							
			807	60	18176	22192									6950	10966						
165+00	422		1928		20104	31711									6619							
			1928		20104	22192									6950	9038						
166+00	619		2757		22861	31711									6619							
			2757		22861	22192									6950	6281						
167+00	870		2952		25813	31711									6619							
			2952		25813	22192									6950	3329						
168+00	724		1988		27801	31711									6619							
			1988		27801	22192									6950	1341						
169+00	350		647	129	28448	31840	.700								6619							
			647	90	28448	22282									6950	784						
170+00		70		944	28448	32784	.700								6619							
				661	28448	22943									6950	1445						
171+00		440		969	28448	33753	.700								6619							
				678	28448	23621									6950	2123						
172+00		83		541	153	28989	33906	.700							6619							
			541	107	28989	23728									6950	1689						
173+00	292		1395		30384	33906									6619							
			1395		30384	23728									6950	294						
174+00	461																					
			294		30678	33906									6619							
			294		30678	23728									6950	BALANCE						
174+19																						
BALANCE TOTALS					30678	33906									6619							
					30678	23728									6950							
174+19			1213		31891	33906									6619							
			1213		31891	23728									6950	1213-						
175+00	353																					

UNCL. = 40,525 C.Y.
FILL = 30,678 C.Y.
E.B.S. = 600 C.Y.

06/05/69 1 TH U HURRICANE ROAD CTH N														5934 1 50 14 EARTHWORK ESTIMATES				PAGE 5	
STA	FILL AREA	CUT AREA	FILL VOLUME	CUT VOLUME	ACCUM FILL VOLUME	ACCUM CUT VOLUME	COMPACTIION FACTORS COMMON	M/R	MARSH AREA	ROCK AREA	CUT & VOLUME	FILL VOLUME	ROCK VOLUME	ACCUM MARSH VOLUME	ACCUM ROCK VOLUME	ACCUM NET VOLUME	GRASS AREA		
175+00	353		1101		32992	33906								6619	6950	2314-			
			1101		32992	23728													
176+00	242		641		33633	33906								6619	6950	2955-			
			641		33633	23728													
177+00	104		140		34515	33906								6619	6950	3837-			
			140		34515	23728													
ADD VOLUME			742		SIDE ROAD F														
			742																
177+40	85		496		35011	33906								6619	6950	4333-			
			496		35011	23728													
178+00	362		3036		38047	33906								6619	6950	7369-			
			3036		38047	23728													
179+00	1278		4343		42390	33906								6619	6950	11712-			
			4343		42390	23728													
180+00	1068		3109		45499	33906								6619	6950	14821-			
			3109		45499	23728													
181+00	612		1581		47080	33906								6619	6950	16402-			
			1581		47080	23728													
182+00	243		741		47821	33906								6619	6950	17143-			
			741		47821	23728													
183+00	158		353		48174	33906								6619	6950	17496-			
			353		48174	23728													
184+00	33		1238		49412	33906								6619	6950	18734-			
			1238		49412	23728													
185+00	636		1692	32	51104	33938	.700							6619	6950	20404-			
			1692	22	51104	23750													
186+00	278	18																	

06/05/69 1 TH U HURRICANE ROAD CTH N														5934 1 50 14 EARTHWORK ESTIMATES				PAGE 6	
STA	FILL AREA	CUT AREA	FILL VOLUME	CUT VOLUME	ACCUM FILL VOLUME	ACCUM CUT VOLUME	COMPACTIION FACTORS COMMON	M/R	MARSH AREA	ROCK AREA	CUT & VOLUME	FILL VOLUME	ROCK VOLUME	ACCUM MARSH VOLUME	ACCUM ROCK VOLUME	ACCUM NET VOLUME	GRASS AREA		
186+00	278	18	1020	32	52124	33970	.700							6619	6950	21402-			
			1020	22	52124	23772													
187+00	273		578	2	52702	33972	.700							6619	6950	21979-			
			578	1	52702	23773													
188+00	39	1	72	150	52774	34122	.700							6619	6950	21946-			
			72	105	52774	23878													
189+00		80		449	52774	34571	.700							6619	6950	21632-			
				314	52774	24192													
190+00		162		525	52774	35096	.700							6619	6950	21265-			
				367	52774	24559													
191+00		121		44	52818	35329	.700							6619	6950	21146-			
			44	163	52818	24722													
192+00	24	5	333	8	53151	35337	.700							6619	6950	21474-			
			333	5	53151	24727													
193+00	156		685		53836	35337								6619	6950	22159-			
			685		53836	24727													
194+00	214		913		54749	35337								6619	6950	23072-			
			913		54749	24727													
195+00	280		707	23	55456	35360	.700							6619	6950	23763-			
			707	16	55456	24743													
196+00	103	13	200	225	55656	35585	.700							6619	6950	23806-			
			200	157	55656	24900													
197+00	6	109	25	401	55681	35986	.700							6619	6950	23551-			
			25	280	55681	25180													
198+00	8	108	204	229	55885	36215	.700							6619	6950	23595-			
			204	160	55885	25340													
199+00	102	16																	

5934-1-70

13 56

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5934-1-70 13 56
50572(3)

STATE HIGHWAY COMMISSION OF WISCONSIN

ORIGINAL- 1182

06/05/69		1		TH U HURRICANE ROAD CTH N		5934		1 50 14		EARTHWORK ESTIMATES		PAGE		7	
STA	FILL AREA	CUT AREA	FILL VOLUME	CUT VOLUME	ACCUM FILL VOLUME	ACCUM CUT VOLUME	COMPACTIION FACTORS COMMON	M/R	MARSH AREA	ROCK AREA	MARSH CUT & VOLUME	ROCK CUT & VOLUME	ACCUM MARSH VOLUME	ACCUM ROCK VOLUME	GRASS NET AREA
199+00	102	16	336	73	56221	36288	.700						6619	6950	23880-
200+00	79	23	336	51	56221	25391							6619	6950	24150-
201+00	96	19	325	79	56546	36367	.700						6619	6950	24091-
202+00		164	178	339	56724	36706	.700						6619	6950	23245-
203+00		489	178	237	56724	25683							6619	6950	21722-
204+00		687			56724	30243	.700						6619	6950	19531-
205+00		1004			56724	47096	.700						6619	6950	16820-
206+00		1087			56724	32954	.700						6619	6950	13924-
207+00		1147			56724	35850	.700						6619	6950	12225-
207+00		1060			56724	37549	.700						6619	6950	9935-
208+00		707			56724	39839	.700						6619	6950	8949-
209+00		20	81	186	56946	58566	.700						6619	6950	9014-
210+00		81	12	199	57145	58666	.700						6619	6950	9143-
211+00		27	42	199	57145	41052									

STATE HIGHWAY COMMISSION OF WISCONSIN

ORIGINAL- 1182

06/05/69		1		TH U HURRICANE ROAD CTH N		5934		1 50 14		EARTHWORK ESTIMATES		PAGE		8	
STA	FILL AREA	CUT AREA	FILL VOLUME	CUT VOLUME	ACCUM FILL VOLUME	ACCUM CUT VOLUME	COMPACTIION FACTORS COMMON	M/R	MARSH AREA	ROCK AREA	MARSH CUT & VOLUME	ROCK CUT & VOLUME	ACCUM MARSH VOLUME	ACCUM ROCK VOLUME	GRASS NET AREA
211+00	27	42	91	205	57236	58871	.700						6619	6950	9091-
212+00	23	69	91	143	57236	41195							6619	6950	8597-
213+00		345	42	766	57278	59637	.700						6619	6950	6800-
214+00		1042			57278	43528	.700						6619	6950	3339-
215+00		1629			57278	46989	.700						6619	6950	BALANCE
215+81					26600	38013									
BALANCE TOTALS					26600	38013									
					26600	26600									
215+81			1084	57278	73003	.700							6619	6950	759
216+00		1533			57278	51087							6619	6950	4680
217+00		1492			57278	55008	.700						6619	6950	8495
218+00		1451			57278	58023	.700						6619	6950	12011
219+00		1262			57278	62339	.700						6619	6950	15262
220+00		1247			57278	65590	.700						6619	6950	18307
221+00		1102			57278	68635									

UNCL. = 38,013 C.Y.
FILL = 26,600 C.Y.
E.B.S. = 600 C.Y.

STATE HIGHWAY COMMISSION OF WISCONSIN

ORIGINAL- 1182

06/05/69		1		TH U HURRICANE ROAD CTH N		5934		1 50 14		EARTHWORK ESTIMATES		PAGE		9	
STA	FILL AREA	CUT AREA	FILL VOLUME	CUT VOLUME	ACCUM FILL VOLUME	ACCUM CUT VOLUME	COMPACTIION FACTORS COMMON	M/R	MARSH AREA	ROCK AREA	MARSH CUT & VOLUME	ROCK CUT & VOLUME	ACCUM MARSH VOLUME	ACCUM ROCK VOLUME	GRASS NET AREA
221+00		1102			57278	101194	.700						6619	6950	20491
222+00		583			57278	70819							6619	6950	21078
223+00		107	23	198	57476	102316	.700						6619	6950	20540
ADD VOLUME					57476	71604							6619	6950	
224+00		447			57476	74446	.700						6619	6950	18408
225+00		704			57476	74456	.700						6619	6950	15927
226+00		641	8	2203	57476	106404	.700						6619	6950	13734
227+00		548			57476	74466							6619	6950	11781
228+00		506			57476	74466							6619	6950	10463
229+00		206			57476	74466	.700						6619	6950	10319
230+00		182			57476	74466	.700						6619	6950	11304
231+00		578			57476	74466	.700						6619	6950	13133
232+00		833			57476	74466	.700						6619	6950	15328
233+00		860			57476	74466	.700						6619	6950	

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5934-1-70 50572(3)

06/05/69 1 TH U HURRICANE ROAD CTH N										5934 1 50 14 EARTHWORK ESTIMATES										PAGE 10	
STA	FILL AREA	CUT AREA	FILL VOLUME	CUT VOLUME	ACCUM FILL VOLUME	ACCUM CUT VOLUME	COMPACTIION FACTORS	MARSH AREA	ROCK AREA	MARSH CUT & VOLUME	ROCK CUT & VOLUME	FILL VOLUME	MARSH VOLUME	ACCUM ROCK VOLUME	ACCUM MARSH VOLUME	VOLUME	NET VOLUME	GRASS AREA			
233+00		860				2758	71333	116655	.700					6619	6950	17258					
234+00		629				1930	71333	81641						6619	6950	18559					
235+00		375				1858	71333	118513	.700					6619	6950	19152					
236+00						1301	71333	82942						6619	6950	19463					
237+00						847	71333	119360	.700					6619	6950	19961					
238+00						593	71333	83535						6619	6950	20607					
239+00						4	451	71337	119811	.700				6619	6950	21210					
240+00						4	315	71337	83850					6619	6950	21512					
241+00						3	716	71340	120527	.700				6619	6950	21000					
242+00						3	501	71340	84351					6619	6950	20245					
243+00						923	71340	121450	.700					6619	6950	19356					
244+00						646	71340	84997						6619	6950	19079					
245+00						861	71340	122311	.700					6619	6950						
246+00						603	71340	85600						6619	6950						
247+00						10	446	71350	122757	.700				6619	6950						
248+00						10	312	71350	85912					6619	6950						
249+00						124	102	71474	122859	.700				6619	6950						
250+00						124	71	71474	85983					6619	6950						
251+00						468	13	71942	122872	.700				6619	6950						
252+00						468	9	71942	85992					6619	6950						
253+00						755		72697	122872					6619	6950						
254+00						755		72697	85992					6619	6950						
255+00						952	91	73649	122963	.700				6619	6950						
256+00						952	63	73649	86055					6619	6950						
257+00						300	33	73949	122996	.700				6619	6950						
258+00						300	23	73949	86078					6619	6950						
259+00																					
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06/05/69 1 TH U HURRICANE ROAD CTH N										5934 1 50 14 EARTHWORK ESTIMATES										PAGE 11	
STA	FILL AREA	CUT AREA	FILL VOLUME	CUT VOLUME	ACCUM FILL VOLUME	ACCUM CUT VOLUME	COMPACTIION FACTORS	MARSH AREA	ROCK AREA	MARSH CUT & VOLUME	ROCK CUT & VOLUME	FILL VOLUME	MARSH VOLUME	ACCUM ROCK VOLUME	ACCUM MARSH VOLUME	VOLUME	NET VOLUME	GRASS AREA			
245+30	243	11			321	144	74270	123140	.700					6619	6950	18858					
					321	100	74270	86178													
246+00	5	101			8	794	74278	123934	.700					6619	6950	19405					
					8	555	74278	86733													
247+00		328				808	74278	124742	.700					6619	6950	19970					
						565	74278	87298													
248+00		108			551	200	74829	124942	.700					6619	6950	19559					
					551	140	74829	87438													
249+00	298				2569		77398	124942						6619	6950	16990					
					2569		77398	87438													
250+00	1090				5451		82849	124942						6619	6950	11539					
					5451		82849	87438													
251+00	1854				6236		89085	124942						6619	6950	5303					
					6236		89085	87438													
252+00	1513				2959		92044	124942						6619	6950	2344					
					2959		92044	87438													
252+50	1683				2344		94388	124942						6619	6950	BALANCE-					
					2344		94388	87438													
252+95																					
BALANCE TOTALS																					
					97110		55023														
					37110		37110														
252+95					229		94617	124942						6619	6950	229-					
					229		94617	87438													
253+00	1096																				
					2424	112	97041	125054	.700					6619	6950	2575-					
					2424	78	97041	87516													
254+00	213	61																			

06/05/69 1 TH U HURRICANE ROAD CTH N										5934 1 50 14 EARTHWORK ESTIMATES										PAGE 12	
STA	FILL AREA	CUT AREA	FILL VOLUME	CUT VOLUME	ACCUM FILL VOLUME	ACCUM CUT VOLUME	COMPACTIION FACTORS	MARSH AREA	ROCK AREA	MARSH CUT & VOLUME	ROCK CUT & VOLUME	FILL VOLUME	MARSH VOLUME	ACCUM ROCK VOLUME	ACCUM MARSH VOLUME	VOLUME	NET VOLUME	GRASS AREA			
254+00	213	61			513	562	97554	125616	.700					6619	6950	2695-					
255+00	65	243			513	393	97554	87909						6619	6950	2244-					
256+00	22	228			159	872	97713	126488	.700					6619	6950						
257+00	30	129			159	610	97713	88519						6619	6950						
258+00	27	87			105	399	97913	127547	.700					6619	6950						
259+00	293				105	279	97913	89260						6619	6950						
259+97					50	704	97963	128251	.700					6619	6950						
BALANCE TOTALS					50	492	97963	89752						6619	6950						
					1802	97963	130053	.700						6619	6950						
					1261	97963	91013							6619	6950						
										UNCL. = 58,134 C.Y. FILL = 40,685 C.Y. E.B.S. = 970 C.Y.											
259+97					37	97963	130090	.700						6619	6950	26					
260+00	700				26	97963	91039							6619	6950	2265					
261+00	1027				3199	97963	133289	.700						6619	6950	5107					
262+00	1165				2239	97963	93278							6619	6950						
263+00	1169				4060	97963	137349	.700						6619	6950						
264+00	819				2842	97963	96120							6619	6950						
					4321	97963	141670	.700						6619	6950						
					3025	97963	99145							6619	6950						
					3681	97963	145351	.700						6619	6950						
					2576	97963	101721							6619	6950						

UNCL. = 58,134 C.Y.
FILL = 40,685 C.Y.
E.B.S. = 970 C.Y.

STATE HIGHWAY COMMISSION OF WISCONSIN

ORIGINAL- 1182

06/05/69 1 TH U HURRICANE ROAD CTH N										5934 1 50 14 EARTHWORK ESTIMATES						PAGE 13	
STA	FILL AREA	CUT AREA	FILL VOLUME	CUT VOLUME	ACCUM FILL VOLUME	ACCUM CUT VOLUME	COMPACTIION FACTORS	MARSH AREA	ROCK AREA	FILL VOLUME	CUT & VOLUME	MARSH VOLUME	ACCUM MARSH VOLUME	ACCUM ROCK VOLUME	ACCUM NET VOLUME	GRASS AREA	
264+00		819		9	2199	97972	147550	.700						6619		12238	
				9	1539	97972	103260							6950			
265+00	5	369						.700						6619			
			139	987	98111	148537								6950	12789		
			139	690	98111	103950											
266+00	70	164						.700						6619			
			392	304	98503	148841								6950	12610		
			392	213	98503	104163											
267+00	142													6619			
			650		99153	148841								6950	11960		
			650		99153	104163											
268+00	209							.700						6619			
			402	28	99555	148869								6950	11577		
			402	19	99555	104182											
269+00	8	15						.700						6619			
			14	466	99569	149335								6950	11889		
			14	326	99569	104508											
270+00		237						.700						6619			
			1092		99569	150427								6950	12653		
			764		99569	105272											
271+00		353						.700						6619			
			1372		99569	151799								6950	13613		
			960		99569	106232											
272+00		388						.700						6619			
			1764		99569	153563								6950	14848		
			1235		99569	107467											
273+00		565						.700						6619			
			2267		99569	155830								6950	16434		
			1586		99569	109053											
274+00		660						.700						6619			
			2618		99569	158448								6950	18266		
			1832		99569	110385											
275+00		754						.700						6619			
			2780		99569	161228								6950	20212		
			1946		99569	112831											
276+00		747						.700						6619			
			2558		99569	163786								6950	22002		
			1790		99569	114621											
277+00		634															

STATE HIGHWAY COMMISSION OF WISCONSIN

ORIGINAL- 1182

06/05/69 1 TH U HURRICANE ROAD CTH N										5934 1 50 14 EARTHWORK ESTIMATES PAGE 14						
STA	FILL AREA	CUT AREA	FILL VOLUME	CUT VOLUME	ACCUM FILL VOLUME	ACCUM CUT VOLUME	COMPACTIION FACTORS	MARSH AREA	ROCK AREA	FILL VOLUME	ROCK CUT & VOLUME	ACCUM MARSH VOLUME	ACCUM ROCK VOLUME	ACCUM NET VOLUME	GRASS AREA	
277+00		634											6619			
				2129	99569	168468	.700						6950	25279		
				1490	99569	117898										
				2553	99569	117898										
				1787												
278+00		516											6619			
				1838	99569	170306	.700						6950	26566		
				1287	99569	119185										
279+00		477											6619			
				1327	99569	171633	.700						6950	27494		
				928	99569	120113										
280+00		240											6619			
				171	454	99740	172087	.700					6950	27641		
				171	318	99740	120431									
281+00	92	6											6619			
				1161	10	100901	172097	.700					6950	26487		
				1161	7	100901	120438									
282+00	535												6619			
				2822		103723	172097						6950	23665		
				2822		103723	120438									
283+00	989												6619			
				4069		107792	172097						6950	19596		
				4069		107792	120438									
284+00	1208												6619			
				3951		111743	172097						6950	15645		
				3951		111743	120438									
285+00	926												6619			
				2894		114637	172097						6950	12751		
				2894		114637	120438									
286+00	637												6619			
				1597		116234	172097						6950	11154		
				1597		116234	120438									
287+00	226												6619			
				463	125	116697	172222	.700					6950	10778		
				463	87	116697	120525									
288+00	25	68											6619			
				46	262	116743	172484	.700					6950	10915		
				46	183	116743	120708									
289+00		74														

STATE HIGHWAY COMMISSION OF WISCONSIN

ORIGINAL- 1182

06/05/69 1 TH U HURRICANE ROAD CTH N										5934 1 50 14 EARTHWORK ESTIMATES						PAGE 15
STA	FILL AREA	FILL CUT AREA	FILL VOLUME	CUT VOLUME	ACCUM FILL VOLUME	ACCUM CUT VOLUME	COMPACTIION FACTORS	MARSH AREA	ROCK AREA	FILL VOLUME	ROCK CUT & VOLUME	MARSH VOLUME	ACCUM MARSH VOLUME	ACCUM ROCK VOLUME	ACCUM NET VOLUME	GRASS AREA
289+00		74												6619		
			47	156	116790	172640	.700							6950	10977	
			47	109	116790	120817										
290+00	25	10												6619		
			91	65	116881	172705	.700							6950	10931	
			91	45	116881	120862										
291+00	24	25												6619		
			206	79	117087	172784	.700							6950	10780	
			206	55	117087	120917										
292+00	88	18												6619		
			418	71	117505	172855	.700							6950	10412	
			418	50	117505	120967										
293+00	139	20												6619		
			667	43	118172	172898	.700							6950	9775	
			667	30	118172	120997										
294+00	222	3												6619		
			967	5	119139	172903	.700							6950	8812	
			967	4	119139	121001										
295+00	301													6619		
			1033		120172	172903								6950	7779	
			1033		120172	121001										
296+00	257													6619		
			889		121061	172903								6950	6890	
			889		121061	121001										
297+00	223													6619		
			663		121724	172903								6950	6227	
			663		121724	121001										
298+00	136													6619		
			303	34	122027	172937	.700							6950	5948	
			303	24	122027	121025										
299+00	28	19												6619		
			51	277	122178	173214	.700							6950	5991	
			51	194	122178	121219										
ADD VOLUME			100		SIDE ROAD J AND K											
			100													
300+00		131												6619		
			79	258	122257	173472	.700							6950	6092	
			79	180	122257	121399										
301+00	43	8														
															</	

STATE HIGHWAY COMMISSION OF WISCONSIN															ORIGINAL - 1182		
06705769 1 TH U HURRICANE ROAD CTH N										5934 1 50 14			EARTHWORK ESTIMATES		PAGE 16		
STA	FILL AREA	CUT AREA	FILL VOLUME	CUT VOLUME	ACCUM FILL VOLUME	ACCUM CUT VOLUME	COMPACTION FACTORS	MARKSH AREA	ROCK AREA	MARSH CUT & FILL	ROCK VOLUME	ACCUM ROCK VOLUME	ACCUM NET VOLUME	GRASS AREA			
301+00	43	8	518	15	122775	173487	.700					6619					
			518	10	122775	121409						6950	5584				
302+00	237		1292		124067	173487						6619					
			1292		124067	121409						6950	4292				
303+00	461		2125		126192	173487						6619					
			2125		126192	121409						6950	2167				
304+00	687		1626	25	127818	173512	.700					6619					
			1626	17	127818	121426						6950	558				
305+00	191	14	356	166	128174	173678	.700					6619					
			356	116	128174	121542						6950	318				
306+00	1	77	2	263	128176	173941	.700					6619					
			2	184	128176	121726						6950	500				
307+00		66	121	128176	174062	.700						6619					
			85	128176	121811							6950	585	*			
308+00																	
BALANCE TOTALS										UNCL. = 44,009 C.Y.		FILL = 30,213 C.Y.		E.B.S. = 649 C.Y.		* Balanced for Estimating Purposes	

17 56

SOUTH
10 57

5934 1 70

8 0572/3/

R/W

R/W

886.03

130+00
890

884.73

129+00
890

883.43

128+00
890

882.78

STA 127+50 C.P. CLASS III ROAD
1-24' x 50'

127+50
880

1" = 10' HOR
1" = 10' VER
1182 1

R/W

R/W

5934 1 70

5 0572/37

19 57

893.73

135+00

890

892.03

134+00

890

890.33

133+00

900

888.73

132+00

890

887.33

131+00

890

1 = 10 HOR
1 = 10 VER
1182 2

R/W

R/W

5934 1 70

S 057273/

20 57

141+00
910

905.06

140+00
910

902.87

139+00
910

900.81

138+00
890

898.80

137+00
890

897.13

891.30

136+00
890

895.43

DITCH DIKE

891.30

STA 135+50 C.P. CLASS III REQD
1-30" x 58"

1 = 10 HOR
1 = 10 VER
1182 3

5934 1 70

S 0572/3/

2/ 57

R/W

R/W

924.40

148+00

920

921.21

147+00

920

918.17

146+00

910

915.26

145+00

910

STA 144+50 CP CLASS III REQD
I-30"x54'

912.50

144+00

910

909.88

143+00

900

907.40

142+00

900

1 = 10 HOR
1 = 10 VER
1182 4

R/W

R/W

5934 1 70

S 0572/3/

22 57

948.13

155+00

950

944.73

154+00

940

941.33

153+00

940

937.93

152+00

930

934.53

151+00

930

931.13

150+00

930

927.73

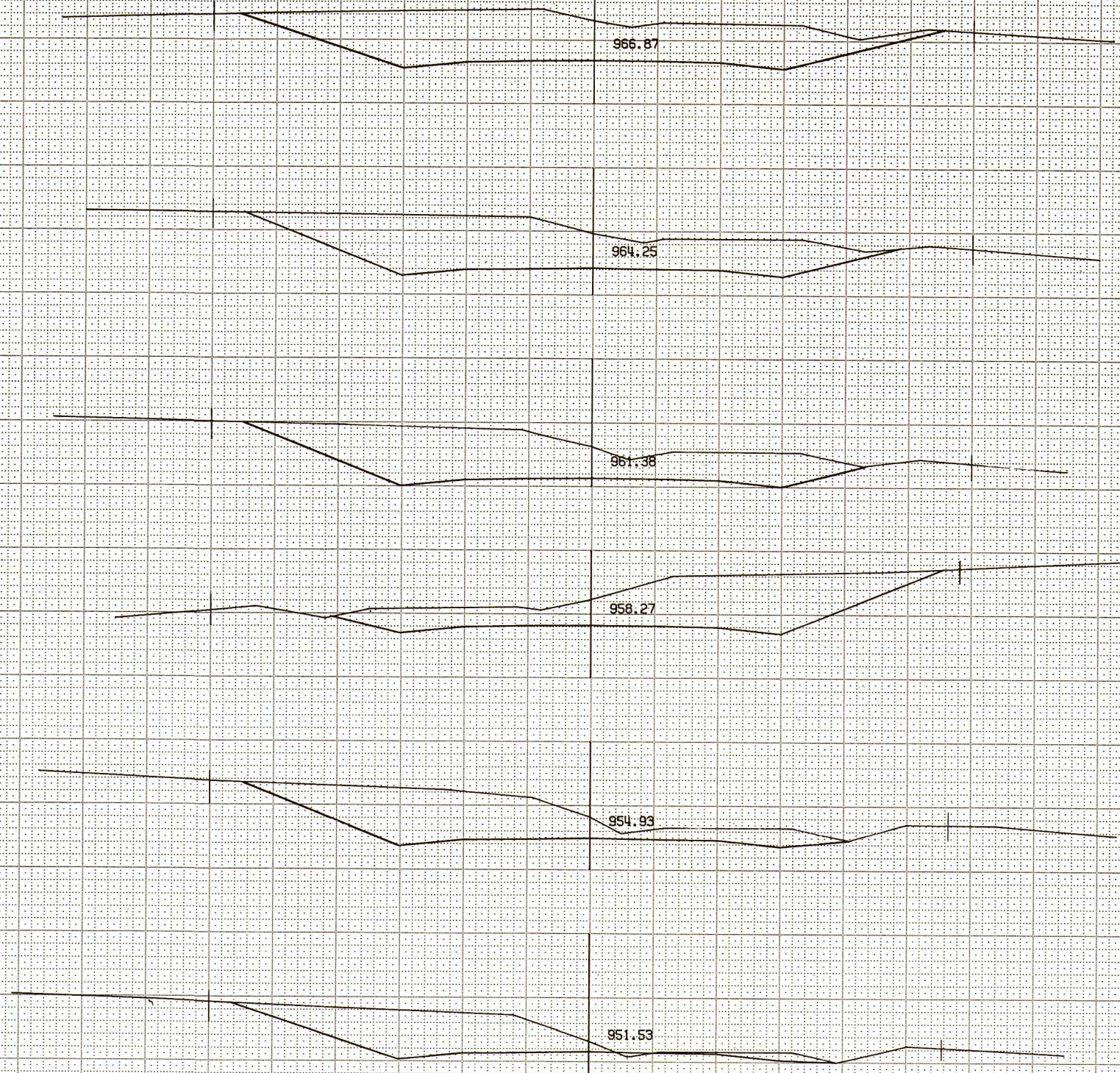
149+00

920

1" = 10' HOR
1" = 10' VER
1182 5

R/W

R/W



161+00
970

160+00
970

159+00
970

158+00
960

157+00
960

156+00
960

R/W

978.40

R/W

5934 1 70

S. 0572/3/

24 57

168+00

970

977.49

167+00

970

STA 167+00 CMCP REQD.
1-24-98

976.33

166+00

970

974.92

165+00

970

973.28

164+00

970

163+00

980

971.38

969.25

162+00

970

1 = 10 HOR
1 = 10 VER
1182 7

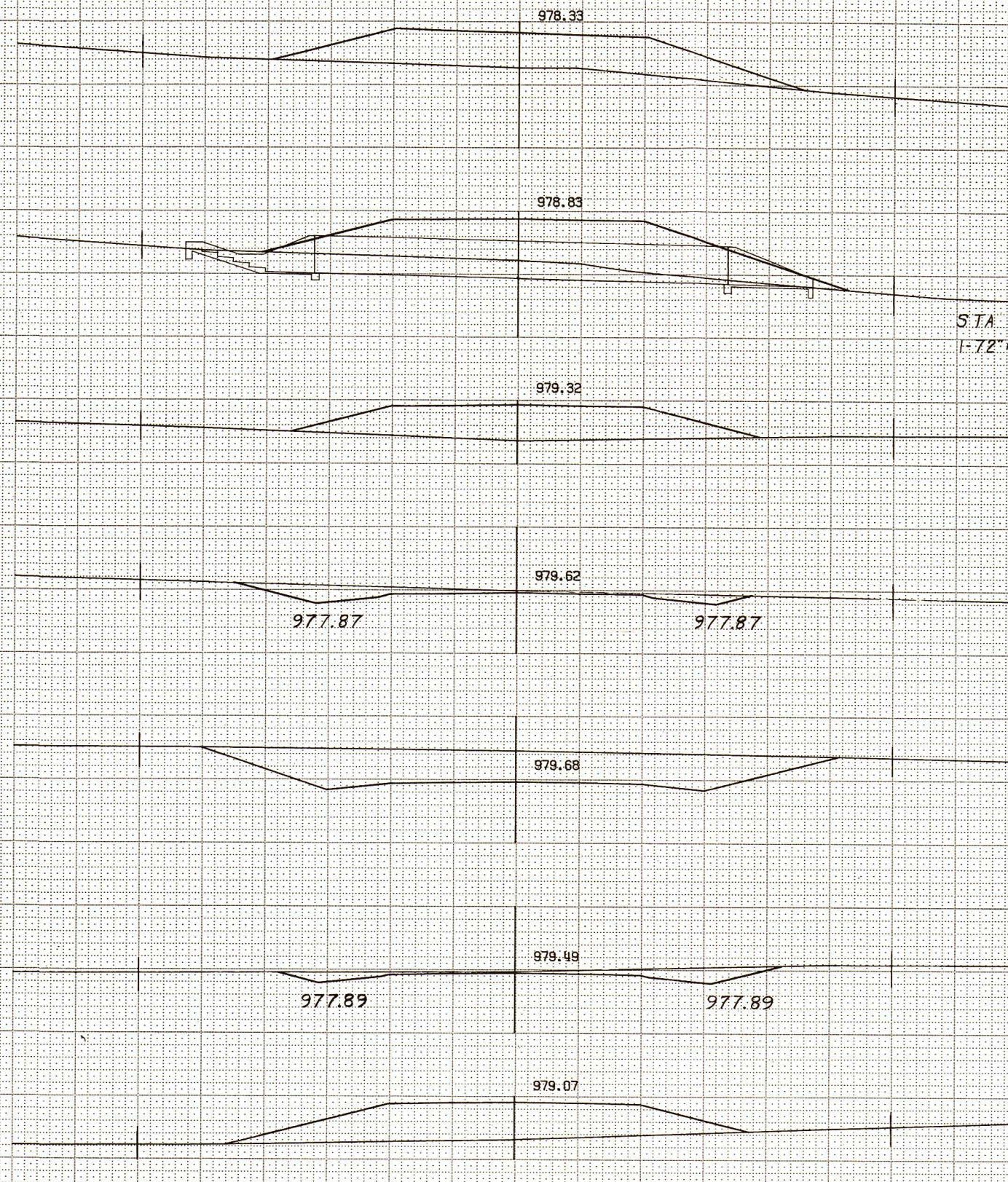
5934 1 70

S 0572/3/

25 57

R/W

R/W



1 = 10 HOR
1 = 10 VER
1182 8

R/W

R/W

5034 1 70

8 0572/3/

26 56

975.33

181+00

970

975.83

180+00

970

976.33

STA 179+30 C.P. CLASS III REQD

1-24"x110"

SKEW 19° RHF

179+00

970

976.83

178+00

970

977.13

177+40

970

977.33

177+00

970

977.83

176+00

970

1 = 10 HOR

1 = 10 VER

1182

9

R/W

R/W

5934 1 70

S 0572/31

27 56

971.83

188+00
970

972.33

187+00
970

972.83

969.29

186+00
970

973.33

STA 185+00 CP CLASS III REQD
1-24" x 92"

185+00
970

973.83

184+00
970

974.33

183+00
970

974.83

182+00
970

1 = 10 HOR
1 = 10 VERT
1182 10

R/W

R/W

5934 1 70

S 0512/31

28 56

197+00

970

967.33

967.83

196+00

960

968.33

195+00

960

968.83

194+00

960

969.33

STA 193+10 PCP REQD
1-72"X56" SKEW 43° R.H.F.

DITCH OUT

193+00

960

969.83

192+00

960

191+00

980

970.33

190+00

980

970.83

189+00

980

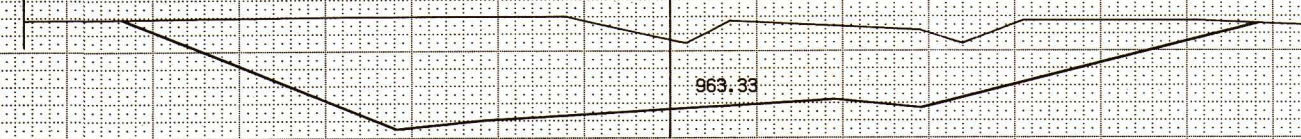
971.33

1 = 10 HOR
1 = 10 VER
1182 11

5934 1 70 8 0572/3/ 29 56

R/W

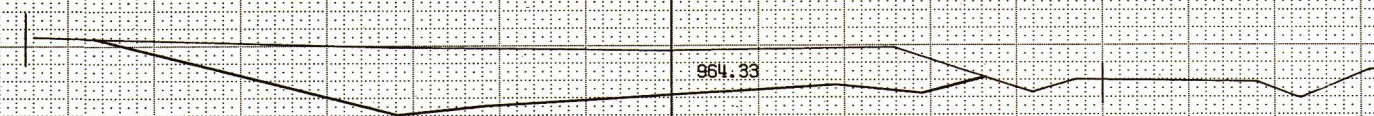
R/W



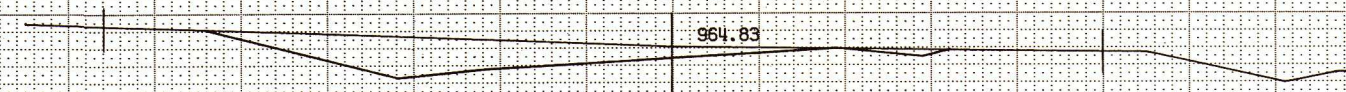
205+00
970



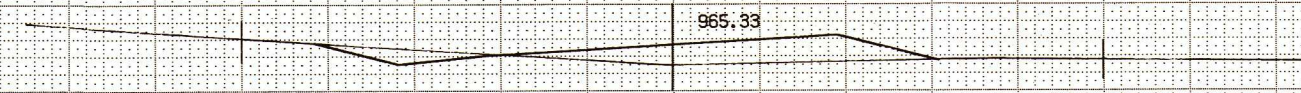
204+00
970



203+00
970



202+00
970



201+00
960



200+00
960



199+00
960



198+00
970

1 = 10 HOR
1 = 10 VER
1182 12

R/W

R/W

5934 1 70

S 0572/3/

30 56

960.53

DITCH DIKE

210+00

960

958.50

STA 210+22 C.P. CLASS III REQ'D

1' 24" x 54"

209+00

970

961.03

958.78

208+00

970

961.53

959.28

207+00

970

962.03

959.77

207+00

970

962.33

206+00

970

962.83

1" = 10' HOR
1" = 10' VER
1102 13

R/W

R/W

5934 1 70

S 0572/3/

31 56

216+00

960

951.37

215+00

960

954.75

214+00

960

957.23

213+00

960

956.81

212+00

960

959.53

211+00

960

960.03

1 = 10 HOR
1 = 10 VER
1182 14

R/W

R/W

5934 1 70

0512/31

32 56

28

923.36

222+00
930

927.23

221+00
930

932.13

220+00
940

937.13

219+00
940

942.13

218+00
950

947.09

217+00
950

1" = 10' HOR
1" = 10' VER
1182 15

R/W

R/W

926.36

5934 1 70

S 0672/3/

33 56

228+00

920

922.73

227+00

920

920.36

226+00

920

908.0

STA 225+60 C.P. CLASS III REQD
1-60" x 76"
SKEW 15° RHF

919.23

225+00

910

.07

919.36

224+00

910

08

920.73

223+00

920

18

1 = 10 HOR
1 = 10 VER
1182 16

R/W

R/W

5934 1 70

S 0572/91

34 36

234+00

960

956.13

233+00

960

951.13

232+00

950

946.13

231+00

950

941.13

230+00

940

936.13

229+00

930

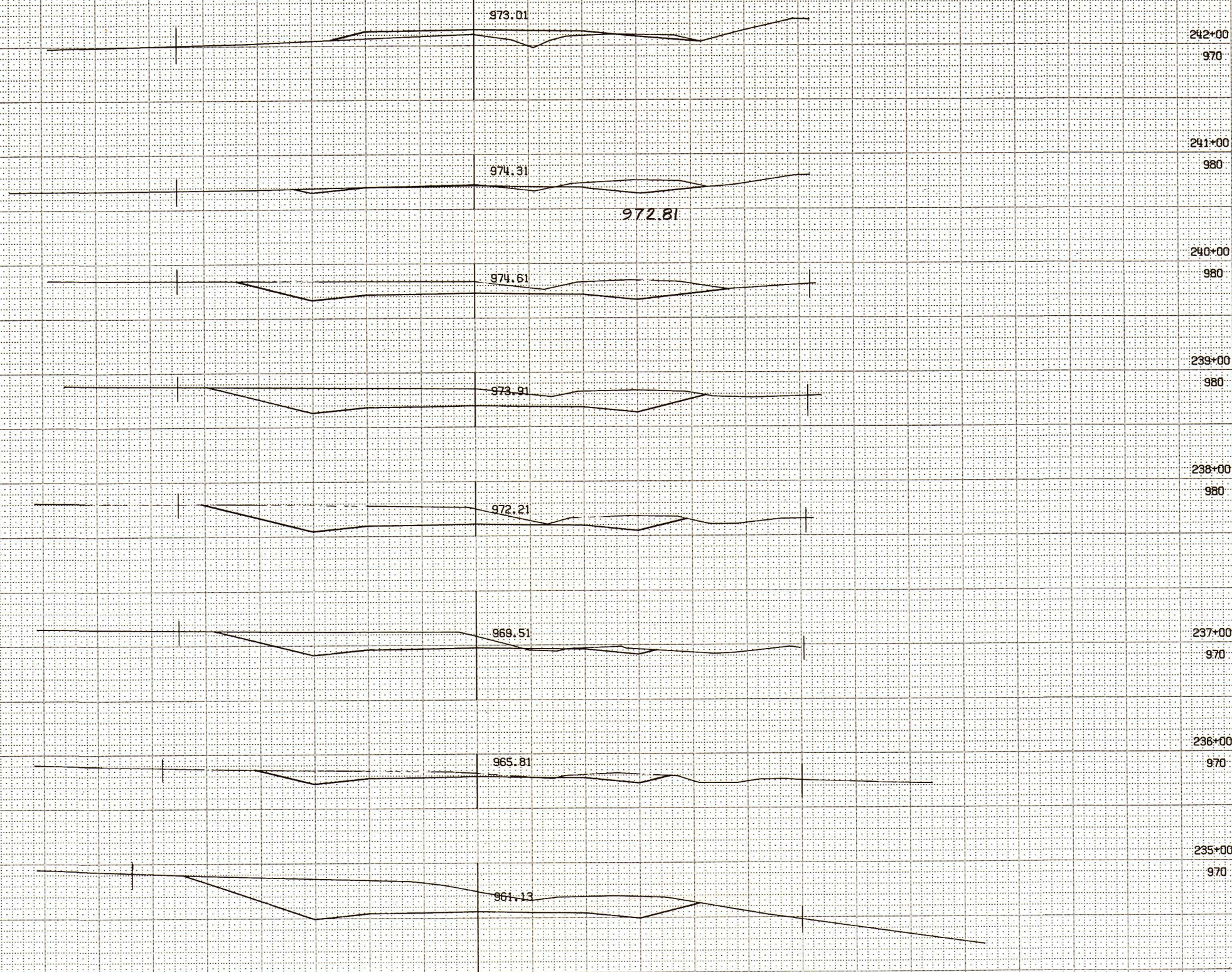
931.13

1 = 10 HOR
1 = 10 VER
1182 17

5934 1 70 S 0512/3/ 35 56

R/W

R/W



242+00
970

241+00
980

240+00
980

239+00
980

238+00
980

237+00
970

236+00
970

235+00
970

1" = 10' HOR
1" = 10' VEB
1182 18

5934 1 70

S. 0572/3/

36 56

R/W

CEMETERY
FENCE

247+00
960

959.13

958.13

248+00
960

961.63

245+30
960

DITCH DIKE

963.11

STA 244+85 C.P. CLASS III REQD
1-24'x80'
SKEW 25° LHF

958.71

245+00
960

967.41

244+00
960

970.71

243+00
970

1" = 10' HOR
1" = 10' VER
1182 19

R/W 928.54 R/W LHE

252+00
920

11

251+00
930

933.13

250+00
930

938.13

249+00
940

943.13

248+00
950

948.13

1 = 10 HOR
1 = 10 VER
1182 20

5934 1 70

S 0572/3/

58 56

R/W

R/W

923.14

256+00

920

922.64

255+00

920

923.39

920.84

LHE

254+00

920

925.39

253+00

920

926.86

STA 252+50 C.P. CLASS IV OR 10GAGE REQD
2-60'x128'

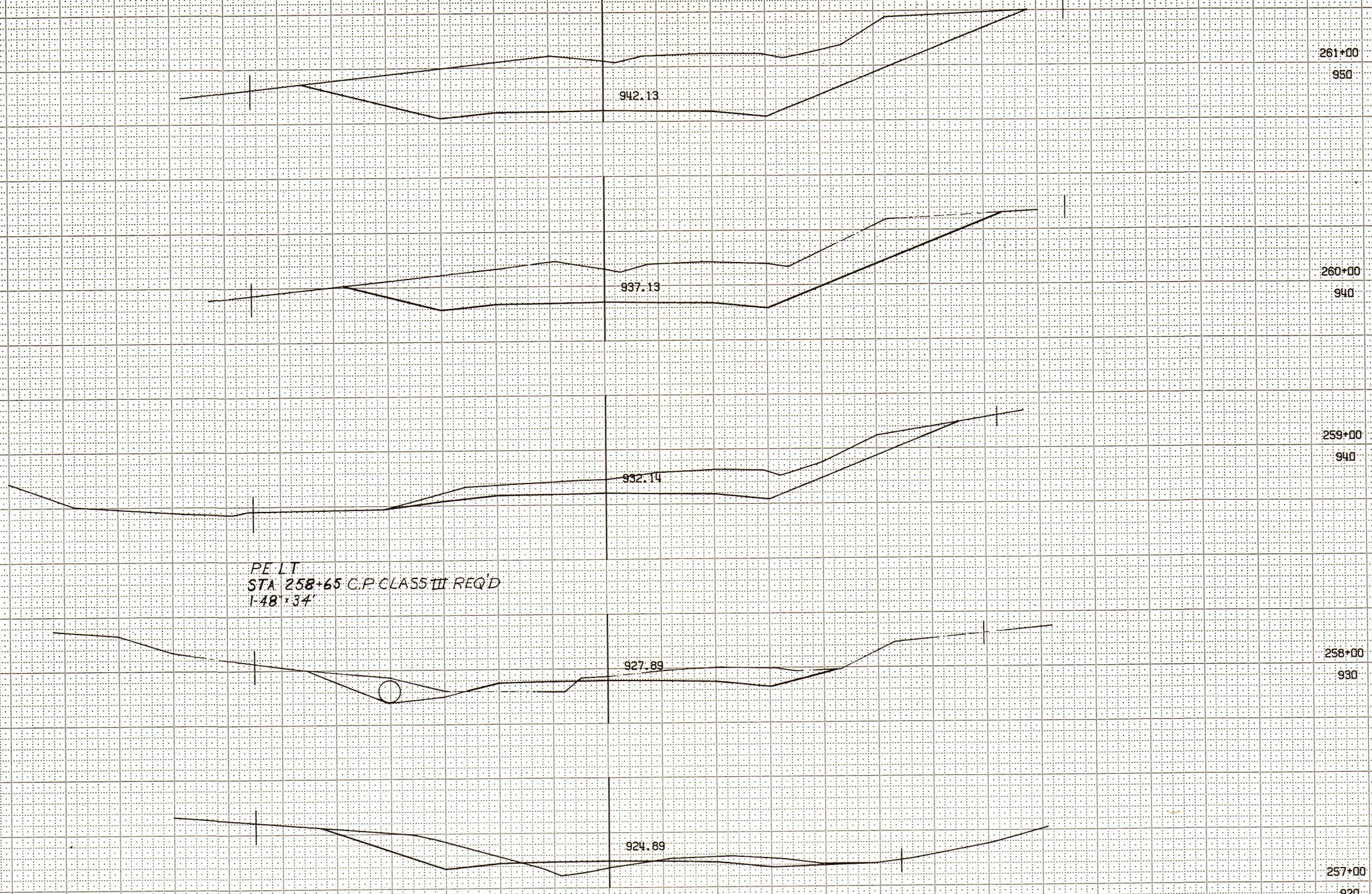
252+50

920

1" = 10' HOR
1" = 10' VER
1182 21

R/W

R/W



261+00
950

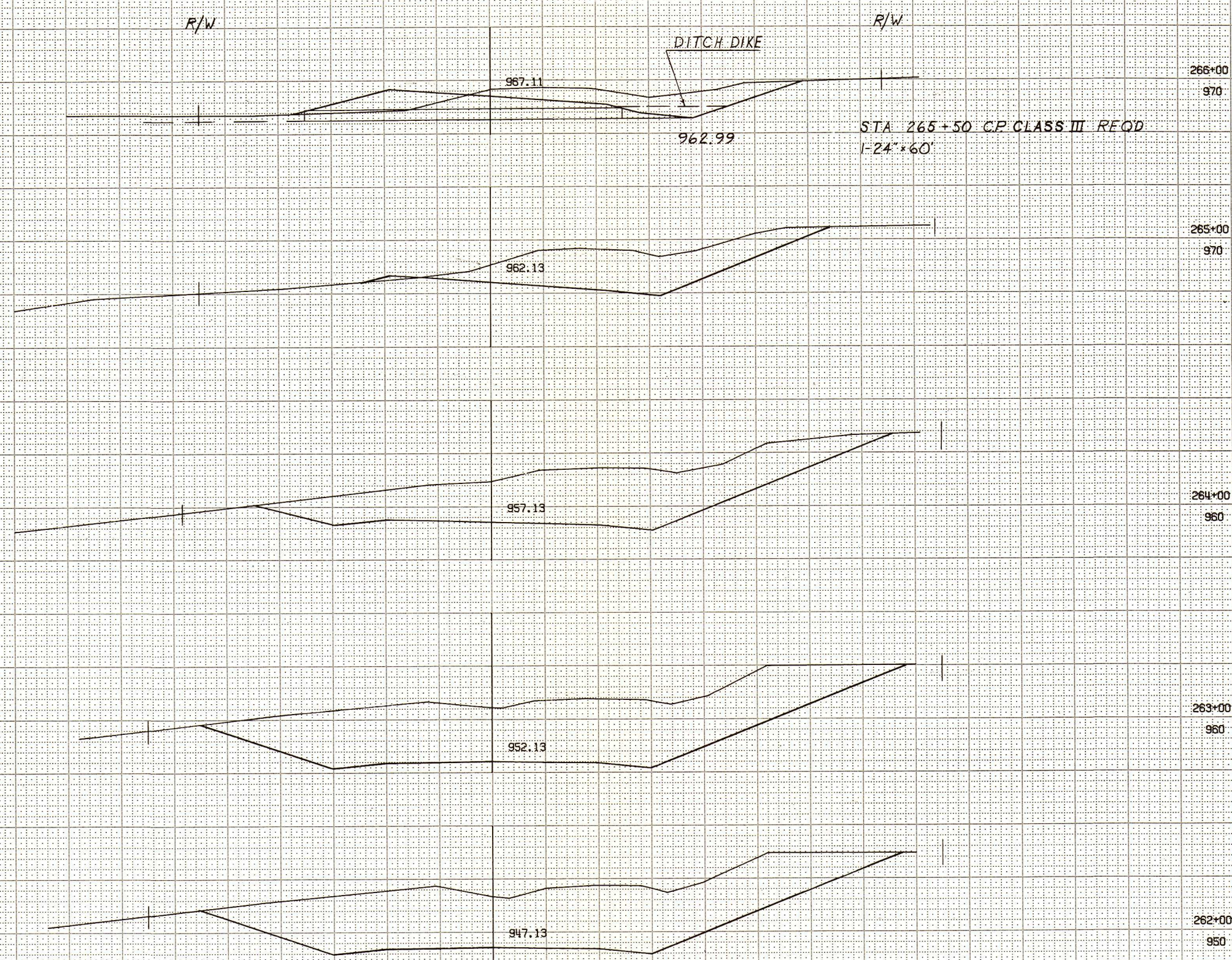
260+00
940

259+00
940

258+00
930

257+00
920

1" = 10' HOR
1" = 10' VER
1182 22



1" = 10' HOR
1" = 10' VER
1182 23

5934 1 70

8 0572/3/

41 56

R/W

R/W

987.48

273+00

990

986.22

272+00

990

984.41

271+00

990

982.06

270+00

990

979.14

269+00

970

975.68

268+00

970

971.67

267+00

970

1 = 10 HOR
1 = 10 VER
1182 24

R/W

R/W

280+00

1000 5934 1 70

S 0572/31

42 56

991.61

279+00

1000

991.21

278+00

1000

990.61

277+00

1000

990.01

SIDE ROAD "H"

276+00

990

989.41

275+00

990

988.61

274+00

990

988.21

1" = 10' HOR
1" = 10' VER
1182 25

R/W

R/W

995.41

5934 1 70

S 0572/3/

43 56

286+00
990

994.81

285+00
990

994.21

284+00
990

STA 283+90 CP CLASS III REQD
1-24' x 108'

993.61

283+00
990

993.01

282+00
990

992.41

281+00
990

1 = 10' HOR
1 = 10' VER
1182 26

R/W

R/W

5934 1 70

S 0572/3/

44 56

985.33

295+00

980

988.57

294+00

980

992.05

293+00

990

994.88

292+00

990

996.67

291+00

990

997.45

290+00

990

997.21

289+00

1000

996.61

288+00

990

996.01

287+00

990

1" = 10' HOR
1" = 10' VER
1182 27

5934 1 70

S. 0572/3/

45 56

R/W

R/W

984.42

302+00
980

985.45

301+00
980

985.51

300+00
990

984.55

HOUSE

299+00
980

983.03

SHED

298+00
980

982.51

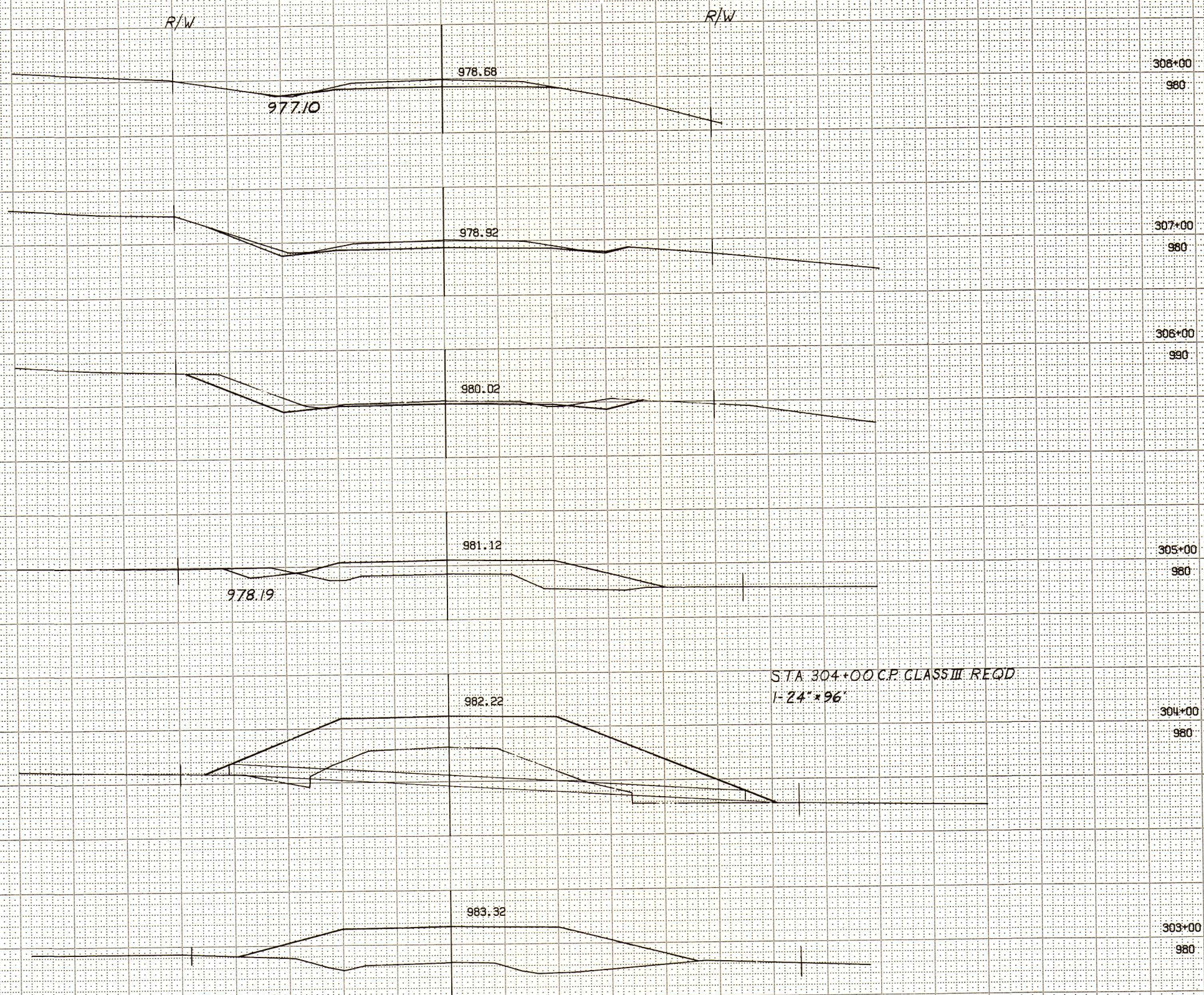
297+00
980

STA 296+45 CP CLASS III REQD
1:36" x 56"

983.28

296+00
980

1" = 10' HOR
1" = 10' VER
1182 28



1 = 10 HOR
1 = 10 VER
1182 29

5904 1 70

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S 0572(3)	47	56

R/W

R/W

R

882.57

3:1

882.47

882.37

4:1

2 1/2:1

882.07

880.17

5:1

MATCH EXISTING AT STA 294"U"+50

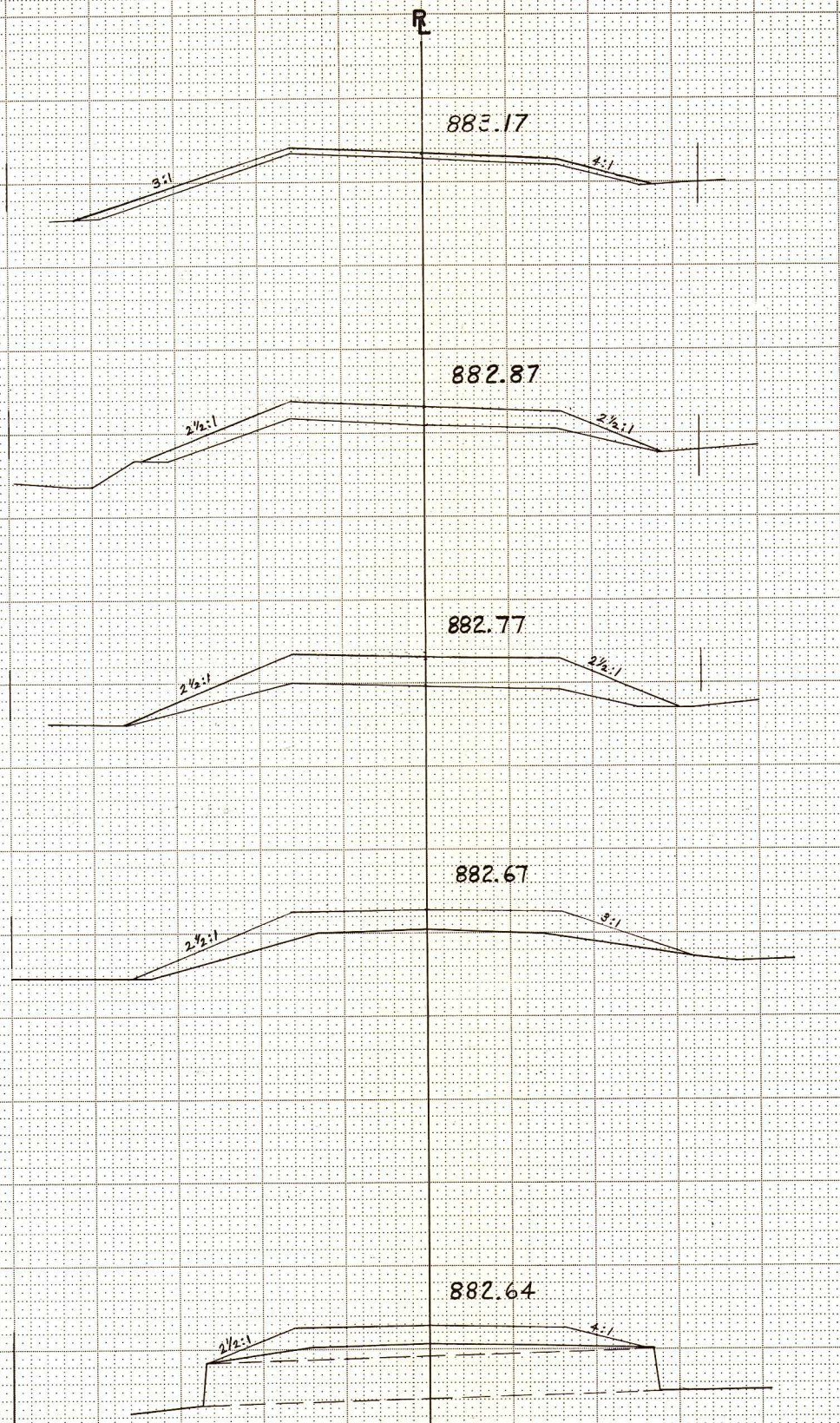


STATION	DISTANCE	YARDAGE		
		EXCAVATION		FILL
		UNCL		
299"U"+00				
	50	0		78
299"U"+00				
880	298"U"+50			
	50	30		0
298"U"+00				
880	298"U"+00			
	100	256		0
297"U"+00				
880	297"U"+00			
	100	370		0
296"U"+00				
880	296"U"+00			
	100	263		0
295"U"+00				
880	295"U"+00			
	50	46		0
294"U"+50				
SHEET TOTAL		965		78

MATCH EXISTING AT STA 304"U"+00

5934 1 70

B.P.R. REGION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS	S 0572(3)	48	56

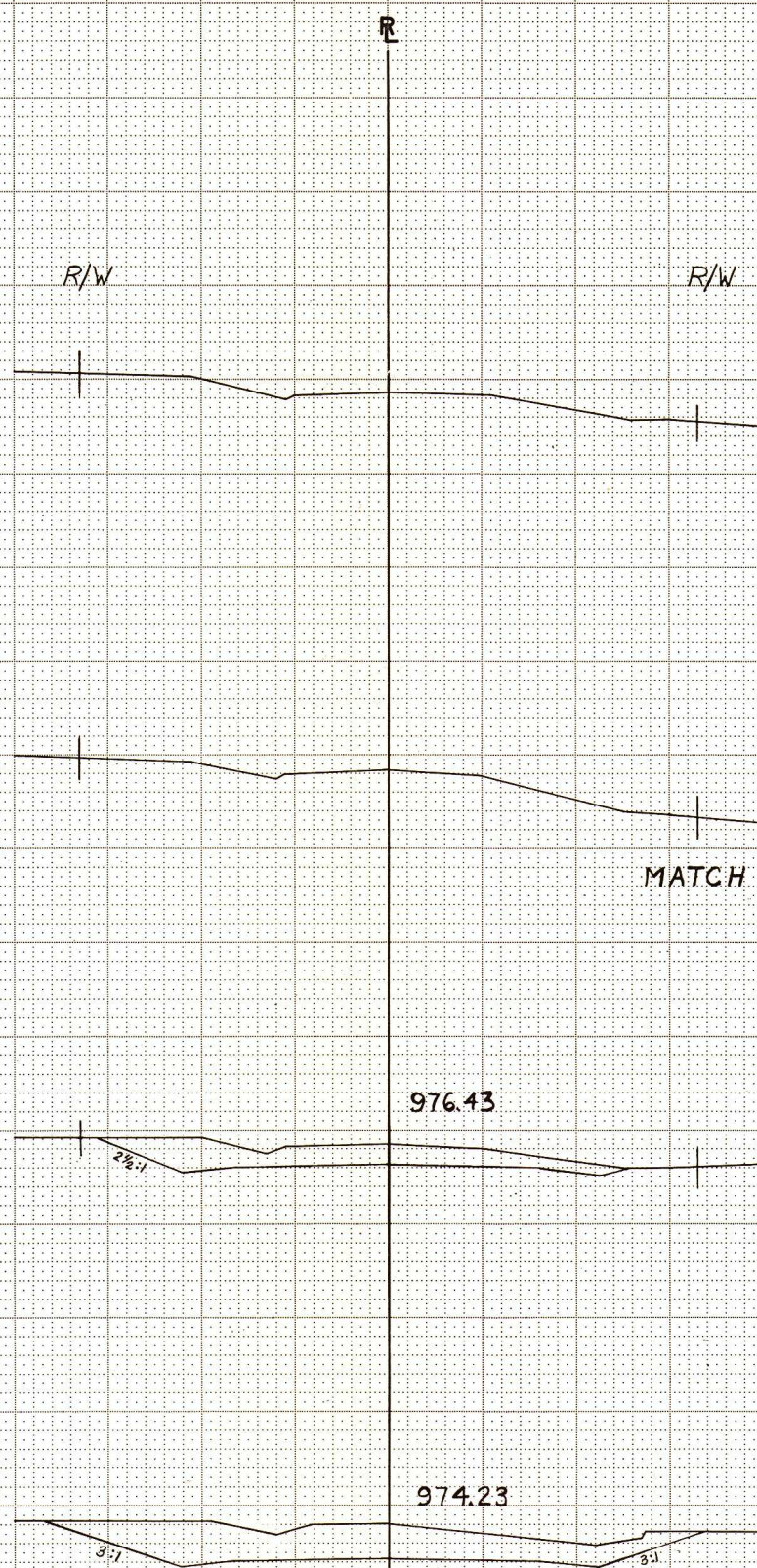


STATION	DISTANCE	YARDAGE		
		EXCAVATION		FILL
		UNCL		
303'U"+00 880	303'U"+50			
	50	0		102
302'U"+00 880	303'U"+00			
	100	0		380
301'U"+00 880	302'U"+00			
	100	0		669
300'U"+00 870	301'U"+00			
	100	0		659
	300'U"+00			
	29	0		130
299'U"+71 880	299'U"+71			
	71	0		237
	299'U"+00			
SHEET TOTAL		0		2177



5934 1 70

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S 0572(3)	49	56



STATION	DISTANCE	YARDAGE			
		EXCAVATION			FILL
		UNCL			
4"E" + 00					
980					
3"E" + 00					
980					
	100	204			0
2"E" + 00					
980					
	100	565			0
1"E" + 00					
980					
	50	361			0
0"E" + 50					
SHEET TOTAL		1130			0



5934 1 70

B.P.W. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S 0572 (3)	50	56

NO. 1
1/4" = 10' CHECKED

NO. 1
1/4" = 10' CHECKED

R/W

R/W

978.33

MATCH EXISTING AT STA 170"F"+50

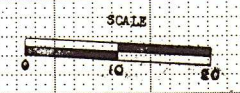
171"F"+00
980

170"F"+00
980

169"F"+00
980

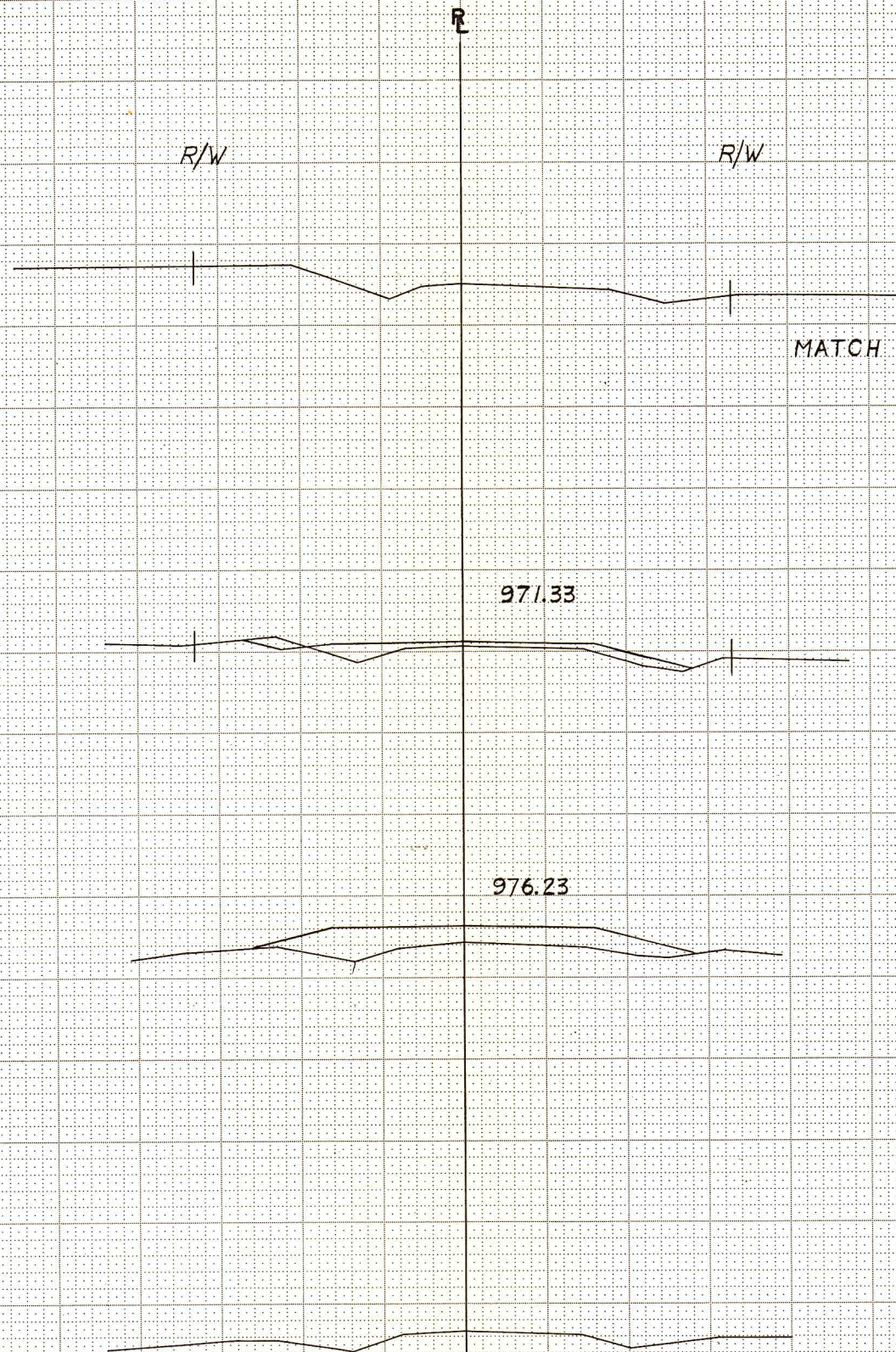
168"F"+00
990

STATION	DISTANCE	YARDAGE			
		EXCAVATION			FILL
		UNCL			
171 + 50	50	0			67
171 + 00	50	0			67
170 + 50					
170 + 00					
169 + 00					
168 + 00					
SHEET TOTAL		0			134



5984 1 70

B.P.R. REGION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S 0572(3)	51	56
WIS.			



STATION	DISTANCE	YARDAGE			
		EXCAVATION			FILL
		UNCL			
175 + 00					
175"F"+00					
960					
	100	0			85
174 + 00					
174"F"+00					
970					
	100	0			304
173 + 00					
173"F"+00					
970					
	50	0			219
172 + 50					
172"F"+00					
980					
SHEET TOTAL					
		0			608



B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4. WIS.	S 0572(3)	52	56

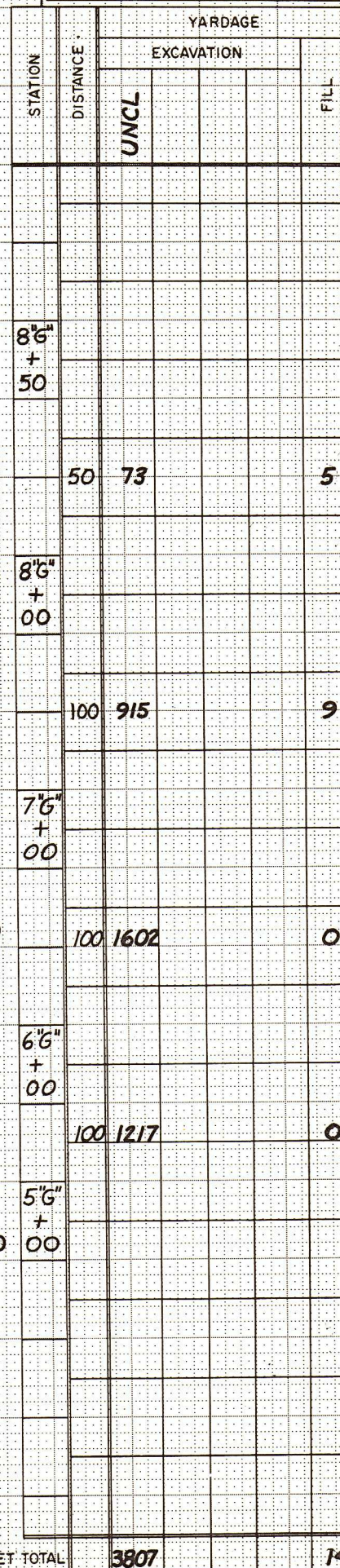


STATION	DISTANCE	YARDAGE		
		EXCAVATION		FILL
		UNCL		
5'6" + 00				
0	55	211		81
4'6" + 45				
0	4'6" + 00			
	100	0		1093
3'6" + 00				
0				
	100	0		856
2'6" + 00				
00				
	100	0		309
1'6" + 00				
00				
SHEET TOTAL		211		2359

MATCH EXISTING AT STA 1"G"+00

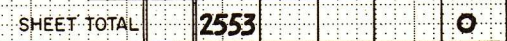
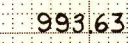
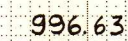
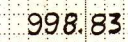


B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S 0572(3)	53	56



Р

BPR REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S 0572(3)	54	56



5934 1 70

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S-0572(3)	55	56

R/W

R/W

3"J"+00
990

2"J"+00
990

1"J"+00
990

STA 0"J"+40 C.P. CLASS III REQ'D
1-24" x 36'

MATCH EXISTING AT STA 0"J"+70



SHEET TOTAL

50

0

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S 0572(3)	56	56

STATION	DISTANCE .	YARDAGE					
		<i>UNCL</i>	EXCAVATION				FILL
4" ^{K^A} +70							
	70	50					0
4" ^{K^H} +00							
SHEET TOTAL		50					

MATCH EXISTING AT STA 4"K"+00

