

These plans contain sheets
 number 1 through 14,
 2 std. pipe list sheets
 1 std. Guard Rail sheet
 1 std. symbols sheet
 1 std. Box Culvert sheet
 Total sheets 19

DOUGLAS COUNTY OREGON

PLANS FOR PROPOSED PROJECT

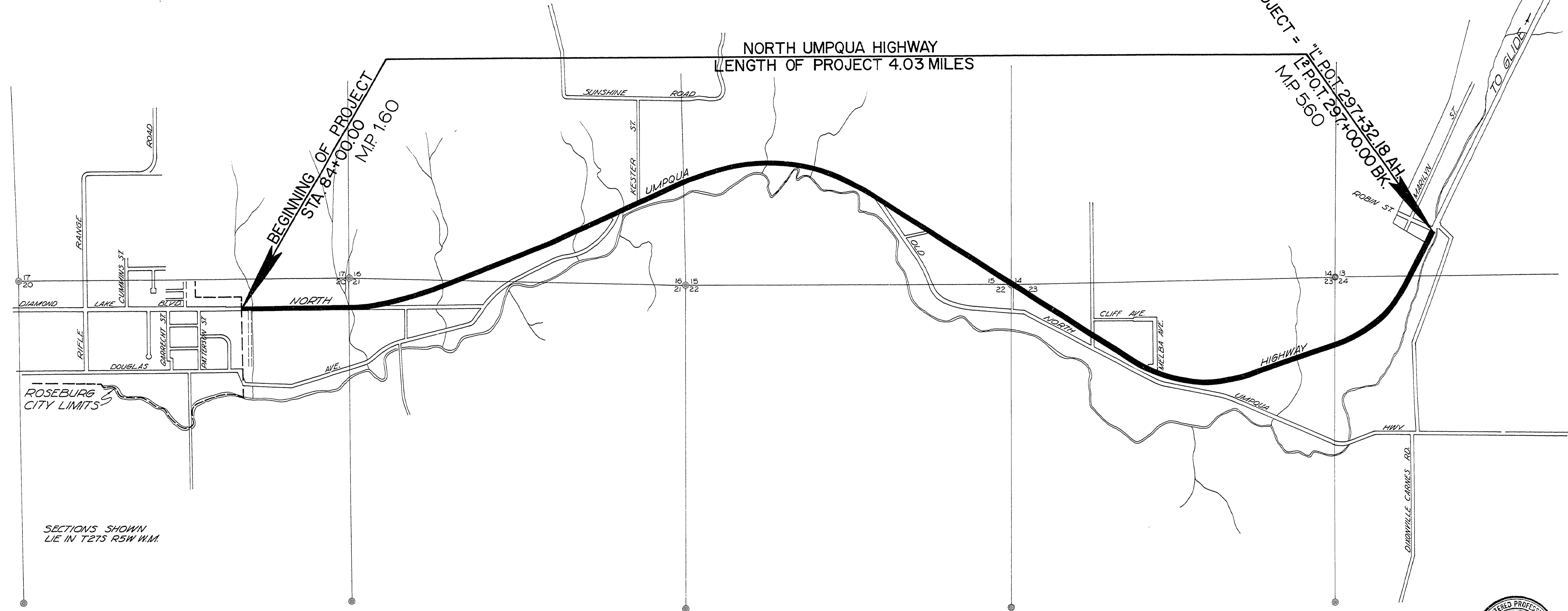
GRADING & SURFACING

NORTH UMPQUA HIGHWAY

COUNTY ROAD NO. 4

APRIL 1969

END OF PROJECT = "I" P.O.T. 297+32.18 A.H.
 "E" P.O.T. 297+00.00 B.K.
 M.P. 560

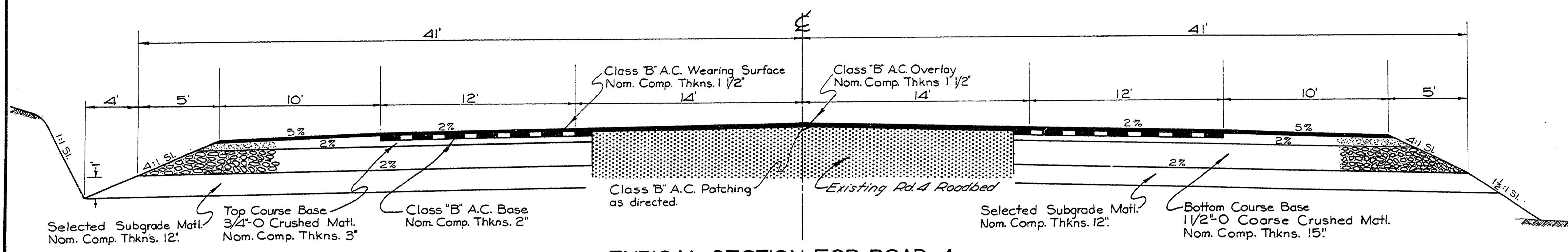


SECTIONS SHOWN
 LIE IN T27S R5W W.M.

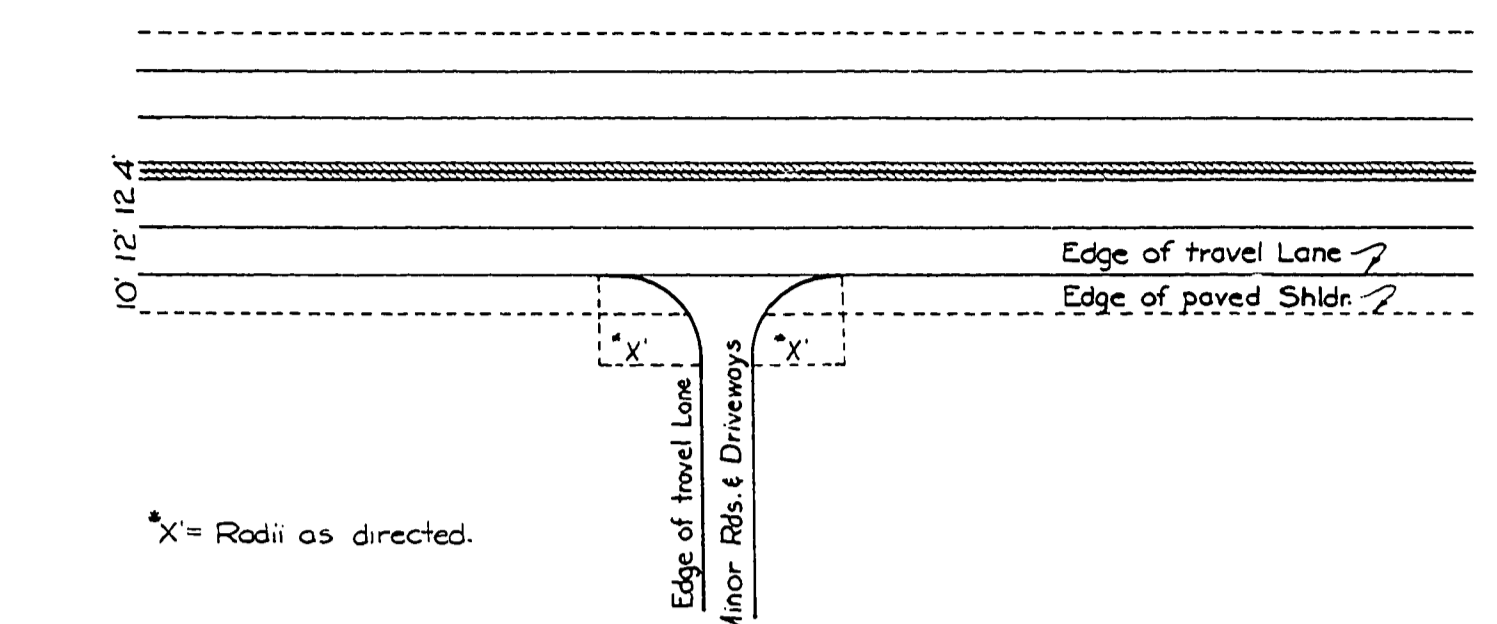


Not Revised to Date
 Douglas County Road Dept.
NORTH UMPQUA HWY. #4
 Date: April 1969 Sheet 1 of 14
GEORGE E. GRUBB County Engineer

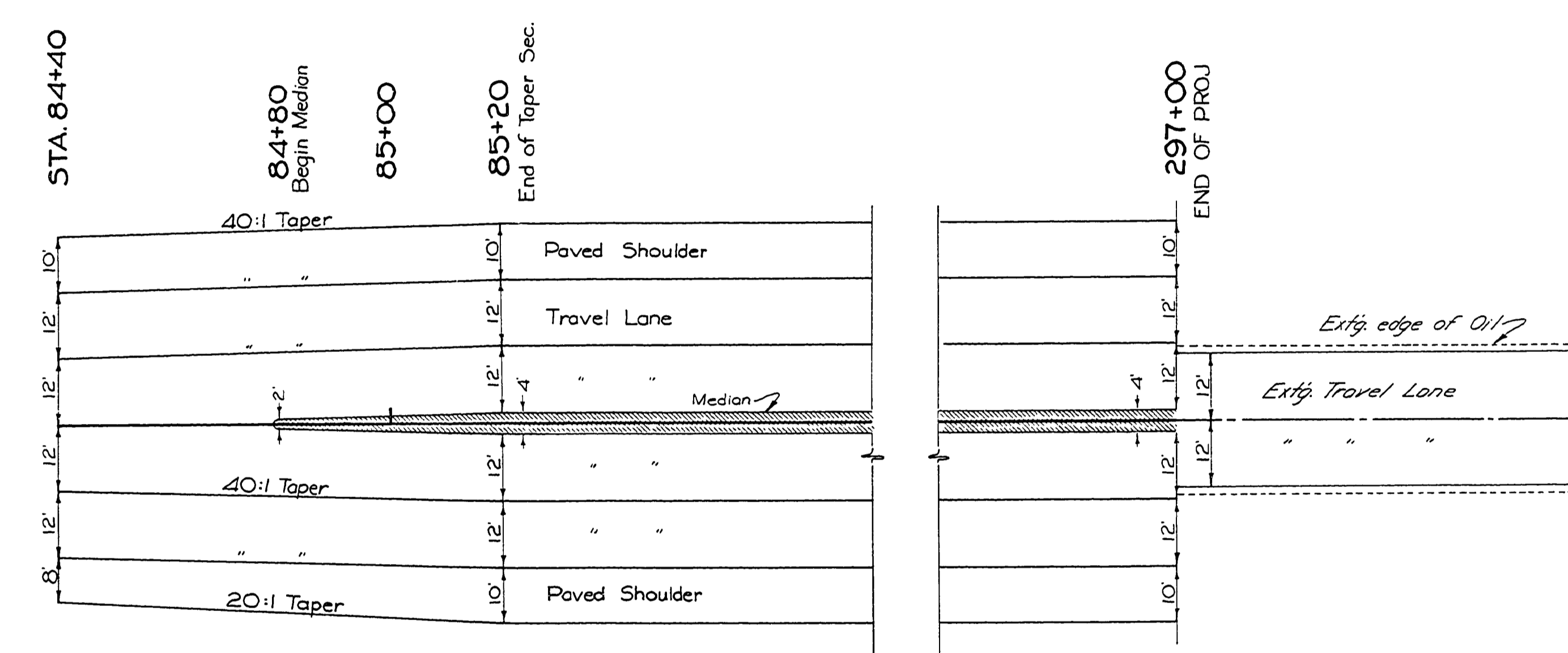
0152056C



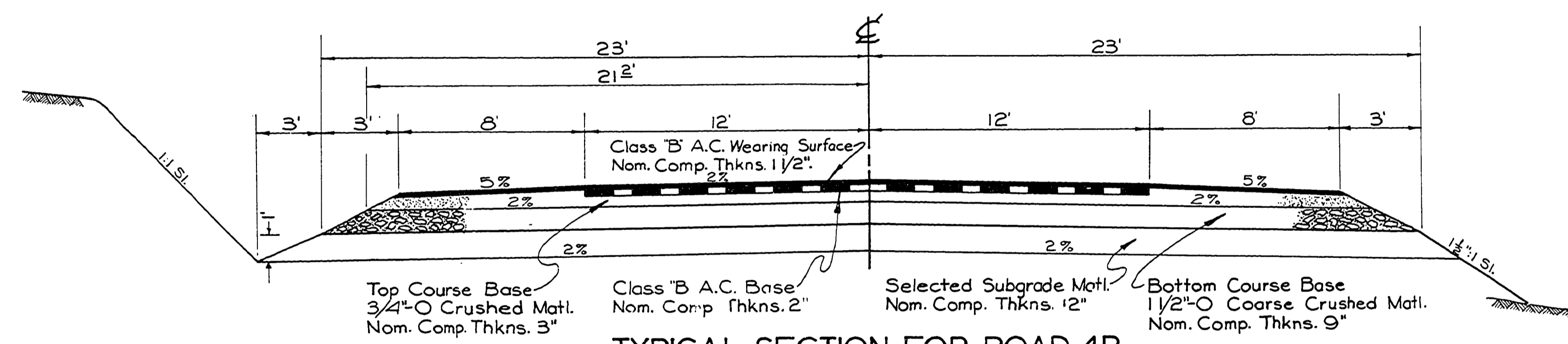
TYPICAL SECTION FOR ROAD 4



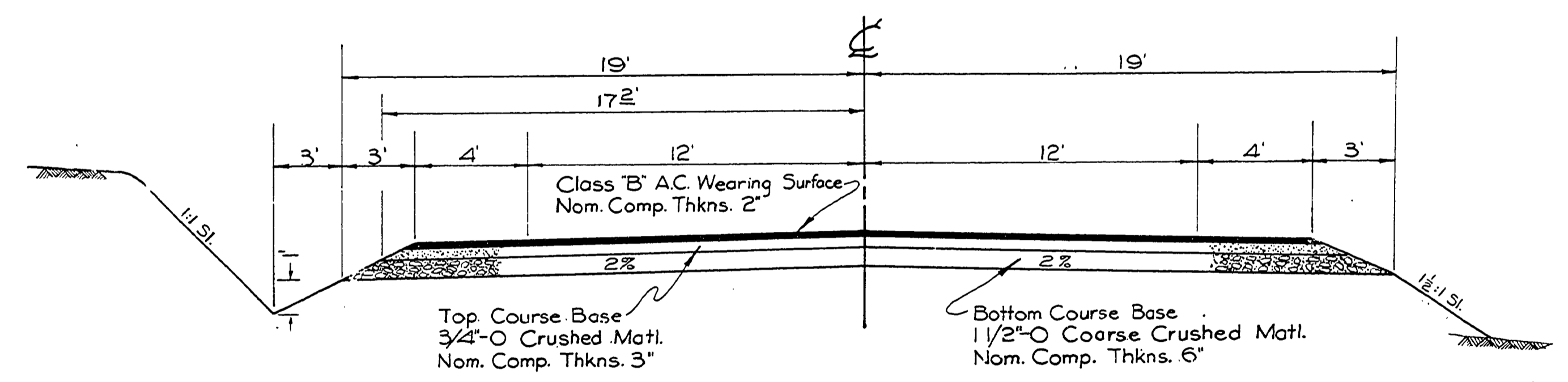
RADIUS PLAN FOR MINOR ROADS & DRIVEWAYS



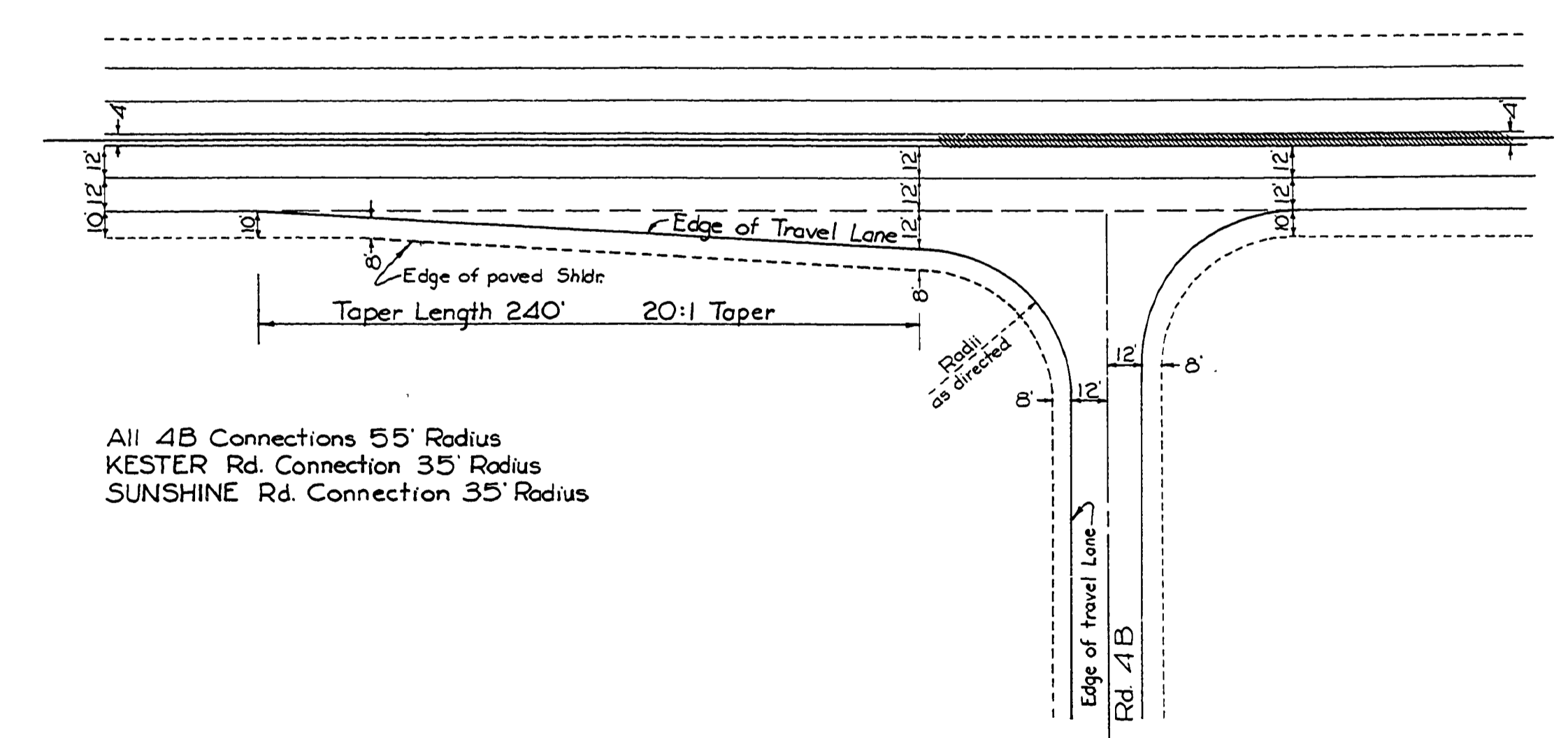
ROAD WIDTHS FOR ROAD 4 STATION 84+40 TO STATION 297+00 END PROJ.



TYPICAL SECTION FOR ROAD 4B STATION 26+0000 TO STATION 82+97.94 E.S.



TYPICAL SECTION KESTER ROAD & SUNSHINE ROAD



DECELERATION LANE ROAD 4

Not Revised as Cont.
 Douglas County Road Dept.
NORTH UMPQUA HWY. RD. 4
 Date: April 1969 Sheet 2 of 14
 GEORGE E. GRUBB County Engineer

0000TYPI

QUANTITY SUMMARY ROAD 4 & ROAD 4B COMBINED

ITEM	UNIT	QUANTITY	ALLOWANCE	QUAN. + ALLOW.
1. CLEARING & GRUBBING	LUMP SUM	ALL	-	ALL
2. DITCH EXCAVATION	CU. YD.	3,535	355	3,890
3. GENERAL EXCAVATION (UNCLASSIFIED)	CU. YD.	117,000	12,000	129,000
4. EXTRA FOR SELECTED SUBGRADE MATL.	CU. YD.	42,000	4,000	46,000
5. OVERHAUL	CU. YD. STA.	17,330	1,735	19,065
6. FINISHING ROADBED & SLOPES	LUMP SUM	ALL	-	ALL
7. TRENCH EXCAVATION (UNCLASSIFIED)	CU. YD.	1,900	190	2,090
8. SPECIAL BACKFILL IN DRAINS	CU. YD.	23	2	25
9. WATERING	M. GAL.	5,230	520	5,750
10. OBLITERATE OLD ROADBED	STA.	2.70	.30	3.00
11. 1 1/2" O COARSE CRUSHED MATL. IN BASE	TON	113,108	11,312	124,420
12. 3/4" O CRUSHED MATL. IN BASE	TON	24,679	2,471	27,150
13. 3/4" O AGGREGATE IN PRIME COAT	CU. YD.	540	60	600
14. RC. 250 IN PRIME COAT	TON	135	15	150
15. R.S.I. IN TACK COAT	TON	30	3	33
16. CLASS "B" ASPHALTIC CONC.	TON	27,670	2,770	30,440
17. CLASS "B" ASPHALTIC CONC. IN PATCH	TON	6,006	604	6,610
18. CLASS "A" CONC. IN 10'x8' R.C.B.C.	CU. YD.	106	14	120
19. METAL REINFORCEMENT IN BOX CULV.	LB.	16,334	1,636	17,970
20. DRY RIP RAP CLASS ONE	CU. YD.	2,647	263	2,910
21. 12" CONCRETE CULVERT PIPE	LIN. FT.	202	18	220
22. 18" " " " " " " " " " " " "	" " "	2,131	214	2,345
23. 24" " " " " " " " " " " "	" " "	416	44	460
24. 30" " " " " " " " " " " "	" " "	20	4	24
25. 36" " " " " " " " " " " "	" " "	44	4	48
26. 12" CULVERT PIPE	" " "	1,092	108	1,200
27. 18" " " " " " " " " " " "	" " "	282	28	310
28. 78" CORRUGATED METAL PIPE	" " "	92	9	101
29. 8" CORRUGATED STEEL PERFORATED PIPE	" " "	150	15	165
30. EXTRA FOR A.C. APPROACHES	EACH	66	9	75
31. GUIDE POSTS TYPE "W" 2-WAY	"	181	19	200
32. GUIDE POSTS TYPE "Y-1"	"	80	10	90
33. GUARD RAIL	LIN. FT.	9,800	980	10,780
34. TYPE 2 BARRICADE	"	200	20	220
35. RAIL END PIECES	EACH	28	3	31
36. GUARD RAIL BLOCKS	"	893	92	985
37. MAIL BOX STAND (SINGLE)	"	21	2	23
38. MAIL BOX STAND (MULTIPLE)	"	13	2	15
39. ROLLER HOURS	HOUR	405	45	450



TYPICAL SECTION VARIABLE DITCH IN CUT AREA

- STA. 86+75 TO STA. 91+25
- 95+50 - 100+50
 - 100+50 - 102+75
 - 109+75 - 115+00
 - 133+25 - 138+75
 - 142+25 - 145+75
 - 147+25 - 148+75
 - 149+75 - 150+25
 - 154+00 - 156+00
 - 159+00 - 160+50
 - 161+00 - 166+50
 - 172+25 - 173+00
 - 174+00 - 176+25
 - 186+25 - 189+00
 - 197+00 - 197+75
 - 227+75 - 230+50
 - 248+50 - 252+00
 - 253+50 - 255+50
 - 256+00 - 258+50
 - 280+50 - 282+25
 - 289+80 - 291+00
 - 292+50 - 293+20

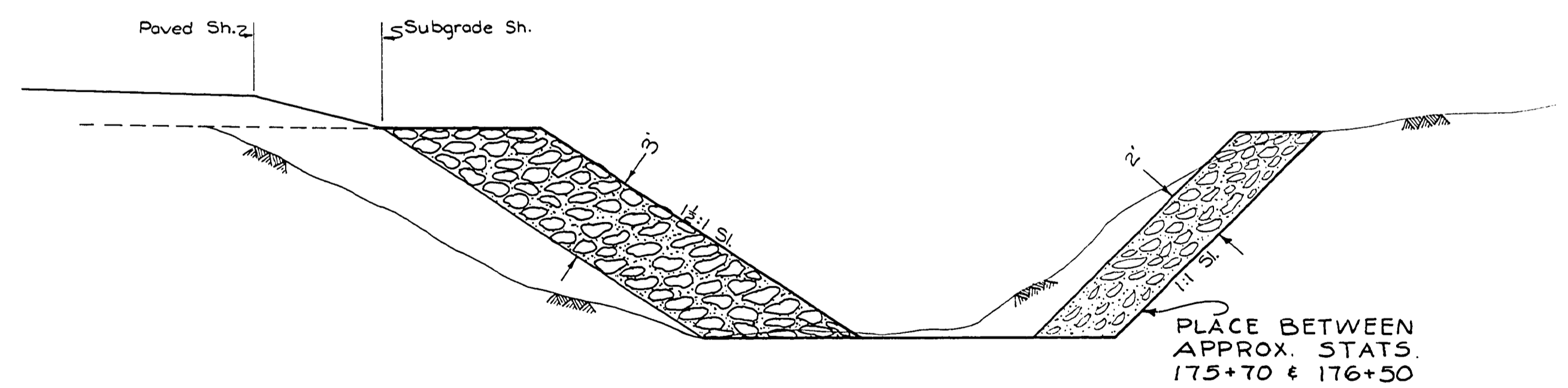
- STA. 142+75 TO STA. 143+50
- 144+50 - 145+75
 - 159+75 - 166+50
 - 166+50 - 168+75
 - 206+00 - 209+00
 - 209+00 - 212+00
 - 214+25 - 216+50
 - 221+50 - 222+75



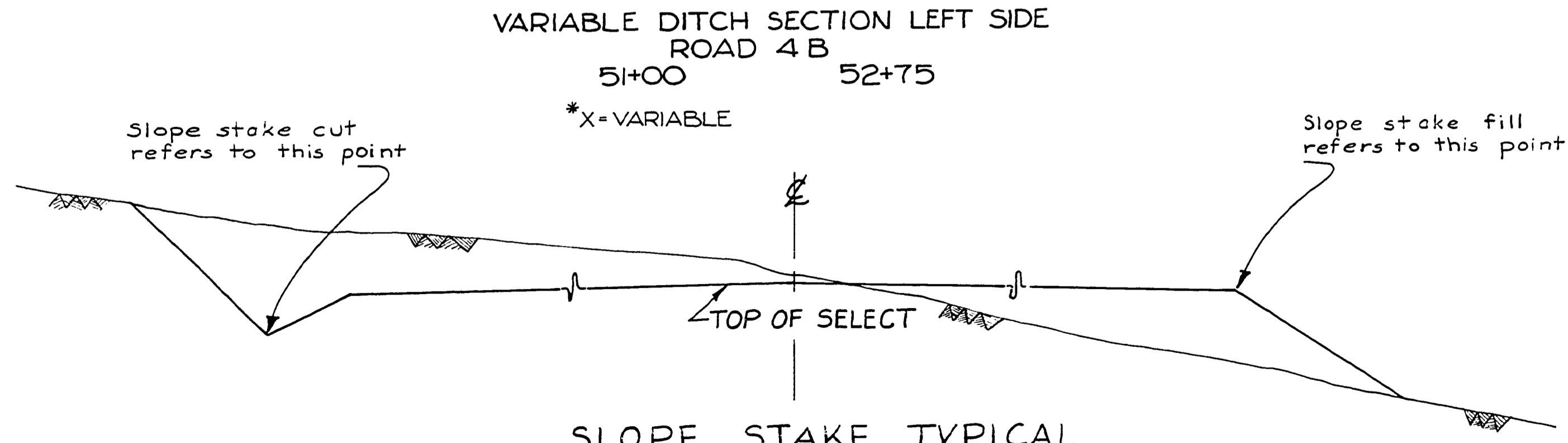
TYPICAL SECTION VARIABLE DITCH IN EMBANKMENT AREA

- STA. 85+80 TO STA. 86+75
- 91+25 - 95+50
 - 102+75 - 109+75
 - 122+75 - 133+25
 - 138+75 - 142+25
 - 145+75 - 147+25
 - 167+25 - 170+00
 - 170+75 - 172+25
 - 176+25 - 186+25
 - 189+00 - 190+30
 - 190+75 - 197+00
 - 197+75 - 199+25
 - 201+50 - 227+75
 - 230+50 - 233+00
 - 235+25 - 237+50
 - 258+50 - 270+50
 - 282+25 - 289+80

- STA. 138+75 TO STA. 142+25
- 168+75 - 169+25
 - 178+75 - 181+25
 - 201+50 - 206+00
 - 212+50 - 214+25
 - 222+75 - 224+00
 - 270+75 - 271+75



TYPICAL SECTION CHANNEL CHANGE PLACEMENT OF DRY RIP RAP CLASS ONE

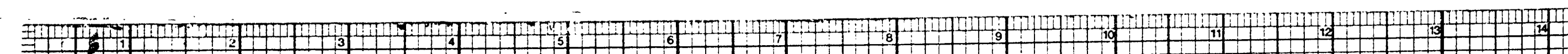


SLOPE STAKE TYPICAL

Not Rebuilt as Cont'd.
Douglas County Road Dept.
NORTH UMPQUA HWY. RD. 4
Date: April 1969 Sheet 3 of 14
GEORGE E. GRUBB County Engineer

0000STAK

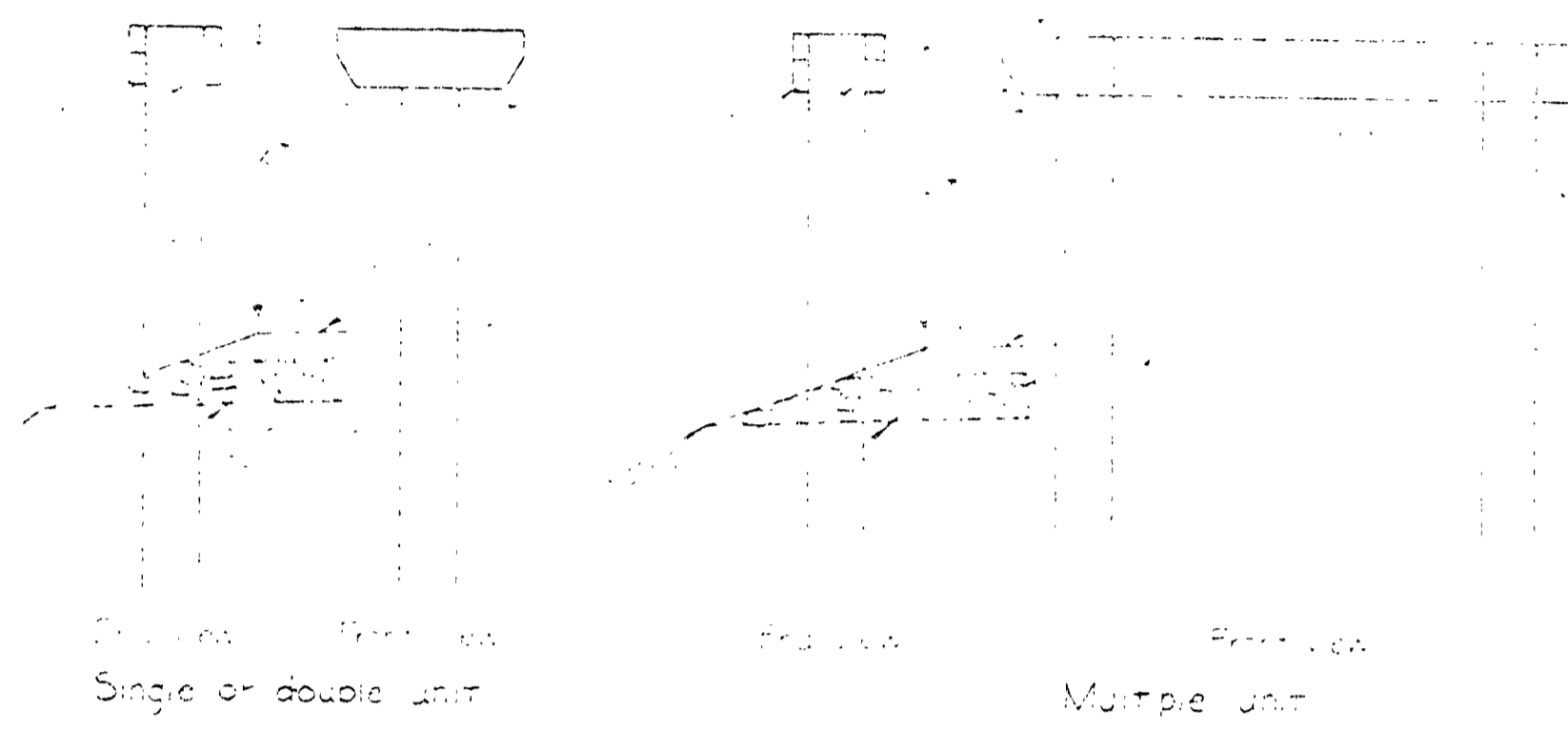
Rd # 4



PIPE LIST & DRIVEWAY TYPICAL SECTION

PIPE LIST

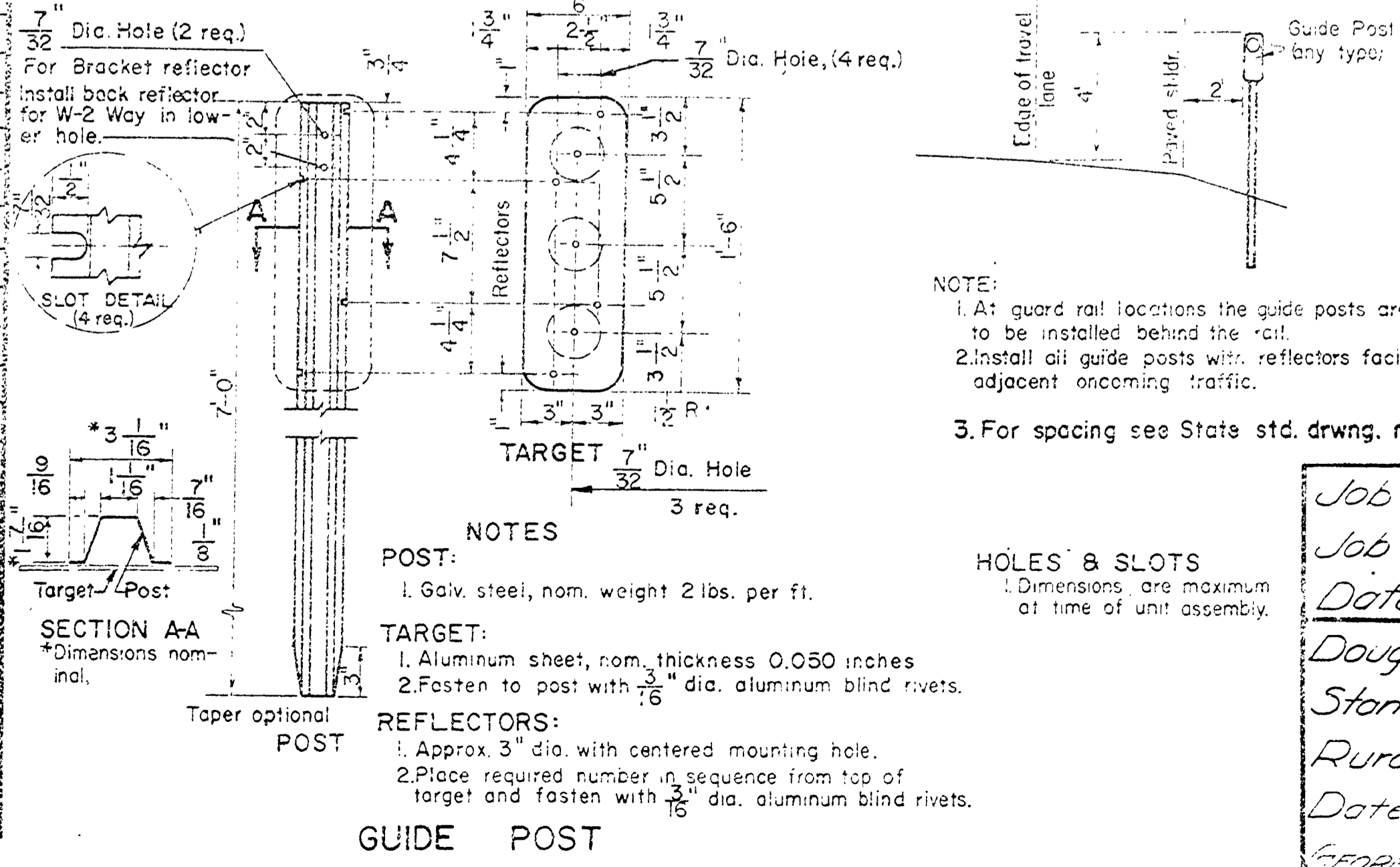
STATION	DIAMETER	LENGTH	MATERIALS			TRENCH EXC. CU. YDS.	REMARKS
			ALUMINUM	GALV. STEEL	CONCRETE		
260+00	18"	150			✓	88	PERFORATED PIPE CULVERT PIPE
266+35	24"	116'			✓	98	
268+00	12"	30'			✓	2	
283+10	18"	115'			✓	79	
286+65	18"	124'			✓	96	
289+50	18"	112'			✓	64	
289+90	18"	24'		16 16 ✓	✓	2	
293+10	18"	108'			✓	40	
294+65	18"	96'			✓	29	
159+70	12"	36'		16 16 ✓	✓	2	
159+80	12"	153'			✓	45	CONDUIT
STATIONS & LENGTH OF PIPES TO BE VERIFIED IN FIELD.							
THE FOLLOWING PIPES ARE ON RD. 4B							
29+05	24"	6'			✓	1	EXTEND CULVERT PIPE
29+50	12"	24'		16 16 ✓	✓	1	"
30+75	12"	24'		" ✓	✓	1	"
52+50	12"	24'		" ✓	✓	1	"
54+70	18"	76'			✓	42	"
57+50	12"	24'		16 16 ✓	✓	1	"
60+40	30"	20'			✓	2	EXTEND
63+20	12"	24'		16 16 ✓	✓	1	"
63+50	12"	24'		" ✓	✓	1	"
64+00	12"	24'		" ✓	✓	1	"
64+40	12"	24'		" ✓	✓	1	"
65+50	12"	24'		" ✓	✓	1	"
66+50	12"	36'		" ✓	✓	2	"
68+10	12"	40'		" ✓	✓	2	"
73+60	18"	16'			✓	7	EXTEND
74+60	78"	92'		8 ✓	✓	230	STRUTTED/SLOPED ENDS
75+50	12"	24'		16 16 ✓	✓	1	CULVERT PIPE
75+65	12"	24'		" ✓	✓	1	"



GUIDE POSTS		
TYPE	COLOR OF REFLECTOR & TRGT.	NUMBER OF REFLECTORS
W-1	WHITE	1
W-2 Way	WHITE	2
Y-1	YELLOW	1
Y-2	YELLOW	2
Y-3	YELLOW	3

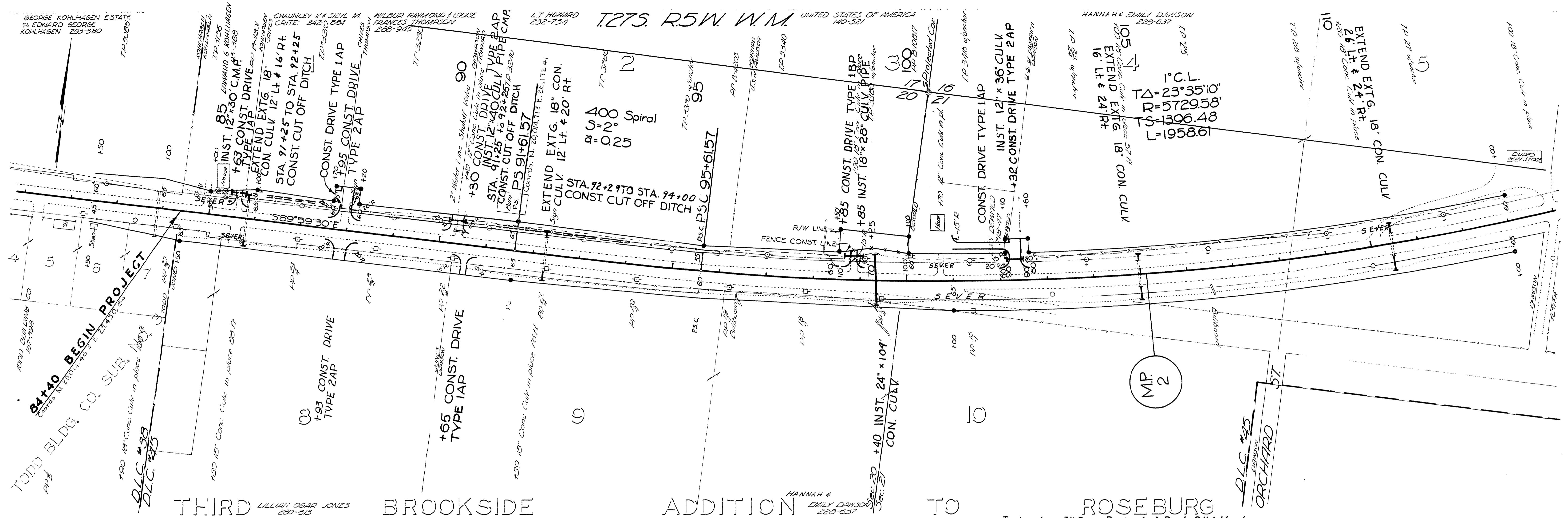
TYPICAL SECTION

RURAL DRIVEWAY & ROAD APPROACH STANDARD



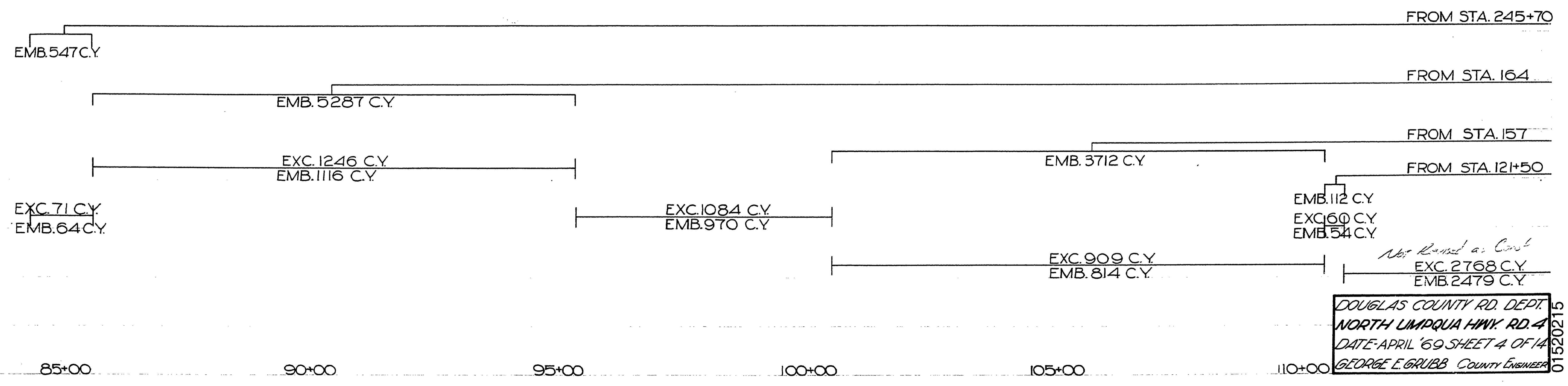
Job Name NORTH UMPQUA HIGHWAY
 Job Number Road 4 & Road 4B
 Date April 1969
 Douglas County Road Dept
 Standard Pipe List &
 Rural Driveway
 Date December 7, 1967
 GEORGE E. GRUBB COUNTY ENGINEER

Rd #4 RD #4 APRIL 1969 17 39



THIRD LILLIAN OBAR JONES 229-213 BROOKSIDE ADDITION HANNAH & EMILY DAWSON 229-637 TO ROSEBURG

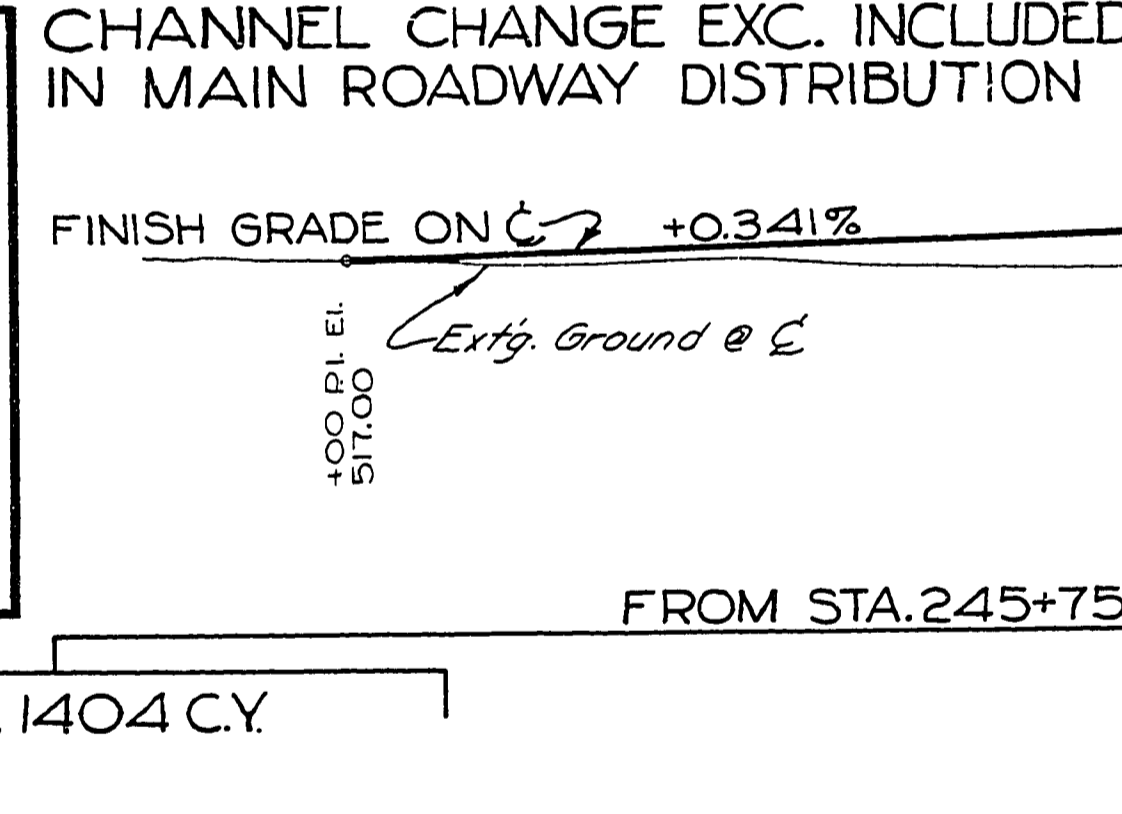
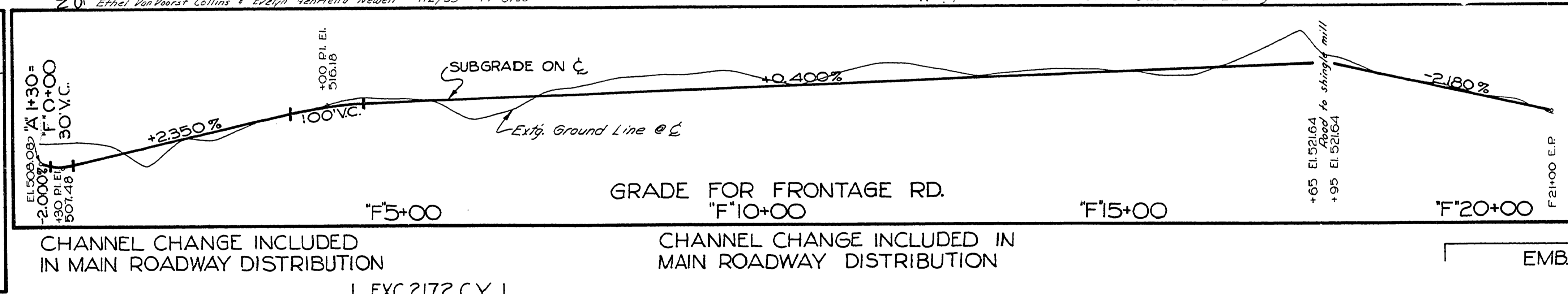
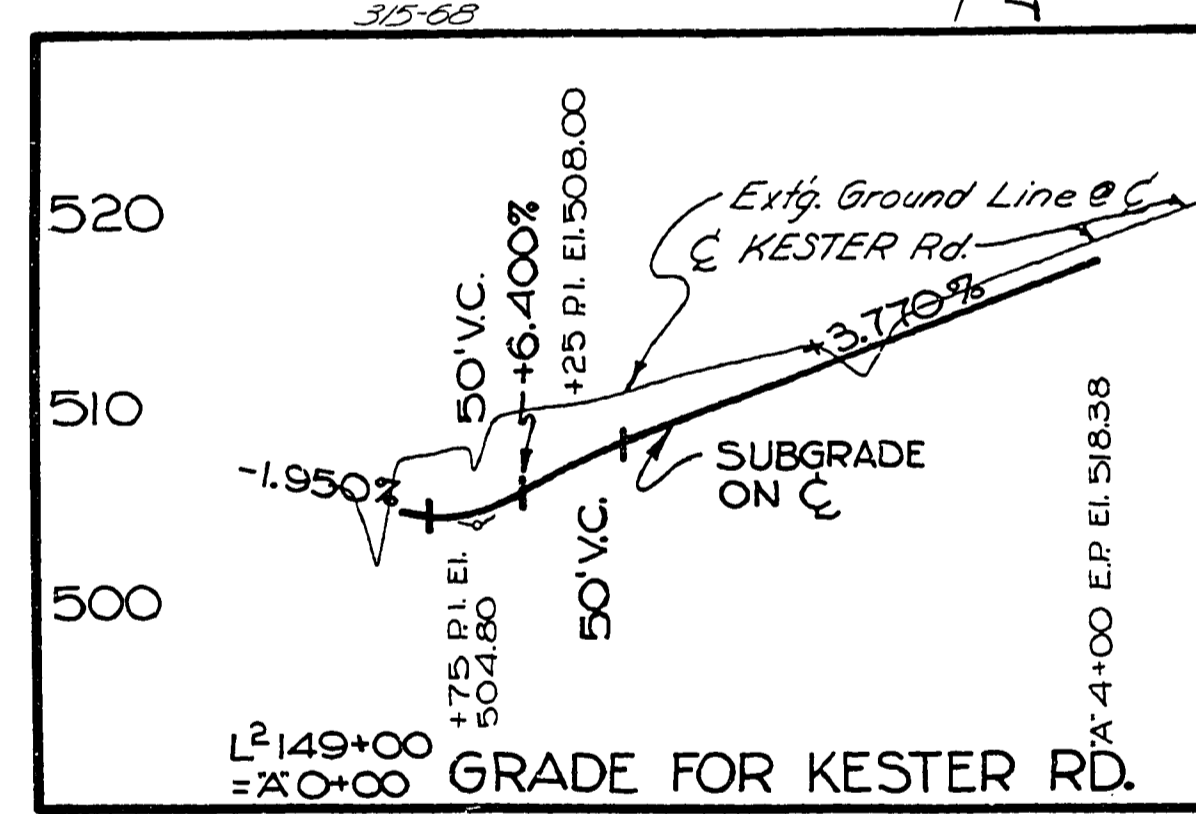
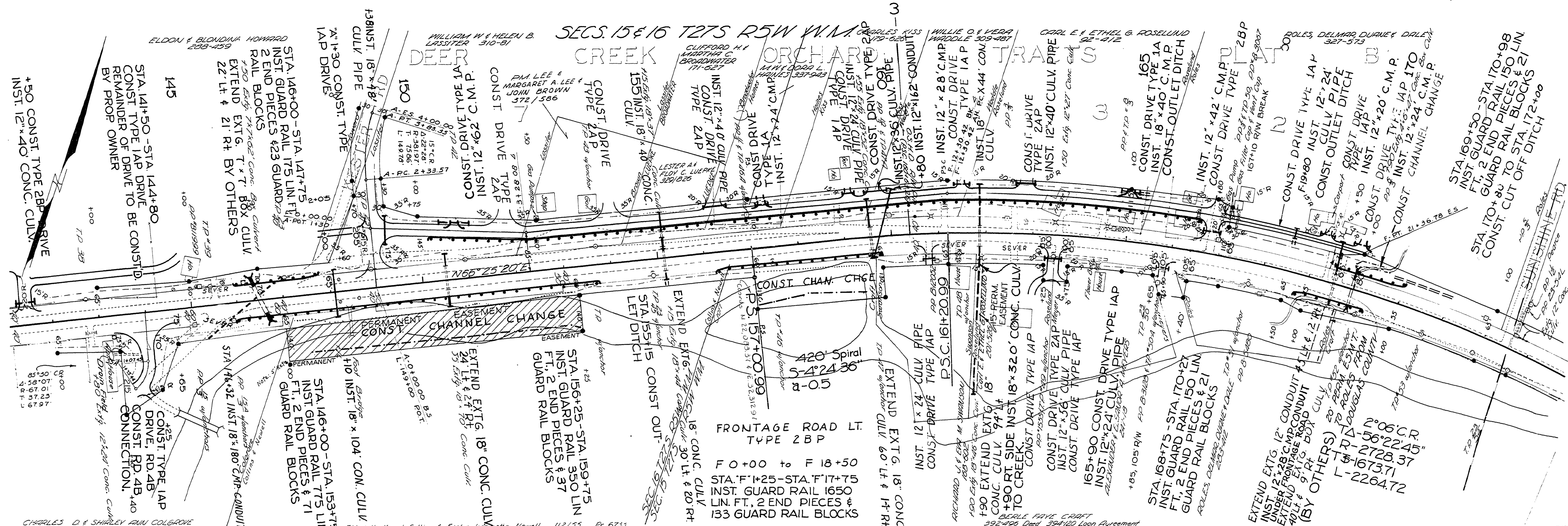
• Indicates 3/4" Iron Rod & 4x4 Post R/W Marker



DOUGLAS COUNTY RD. DEPT.
NORTH LIMPQUIA HWY. RD. 4
DATE: APRIL '69 SHEET 4 OF 14
GEORGE E. GRUBB COUNTY ENGINEER

01520215

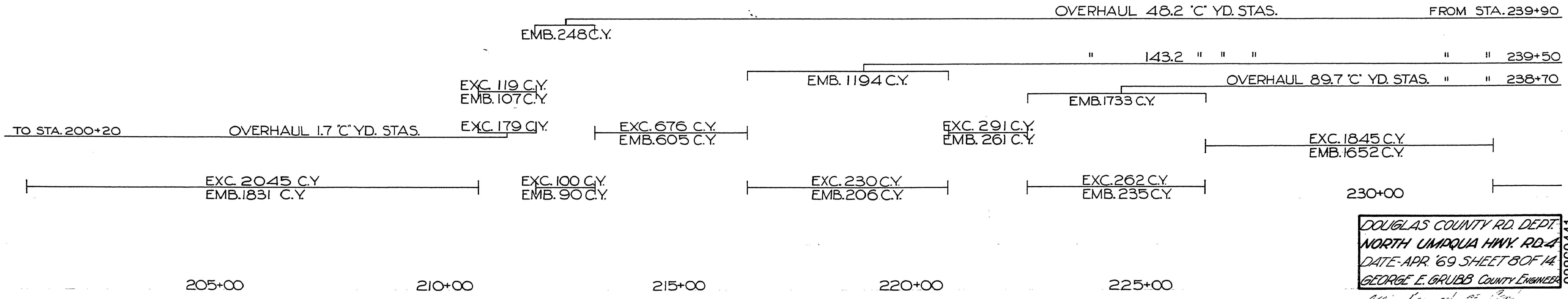
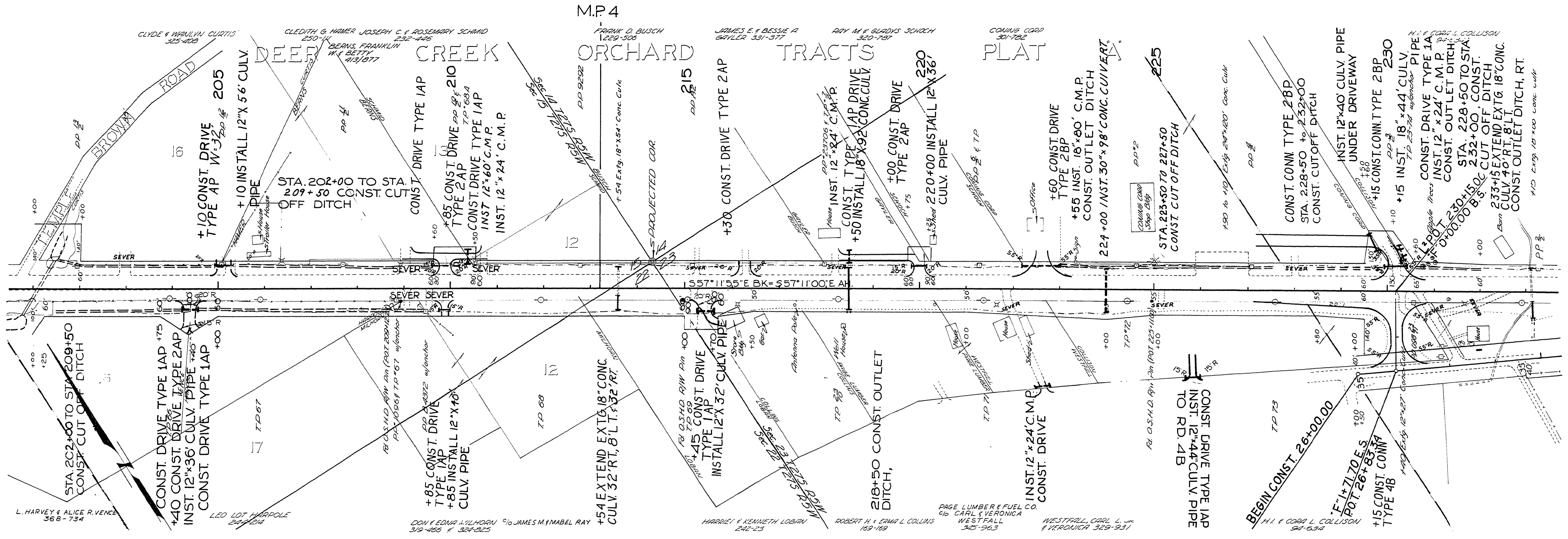
M.P.



TO STA. 125	EXC. 1975 C.Y.	OVERHAUL 1729.9 C.Y. STAS.	EXC. 4146 C.Y.	EXC. 5903 C.Y.	EXC. 751 C.Y. EMB. 456 C.Y. / EMB. 216 C.Y.
145+00	EXC. 184 C.Y. EMB. 175 C.Y.	EXC. 5911 C.Y. EMB. 5290 C.Y.	EXC. 356 C.Y. EMB. 319 C.Y.	EXC. 465 C.Y. EMB. 416 C.Y.	EXC. 671 C.Y. EMB. 601 C.Y.
150+00			EXC. 1870 C.Y. EMB. 1675 C.Y.		
155+00					
160+00					
165+00					
170+00					

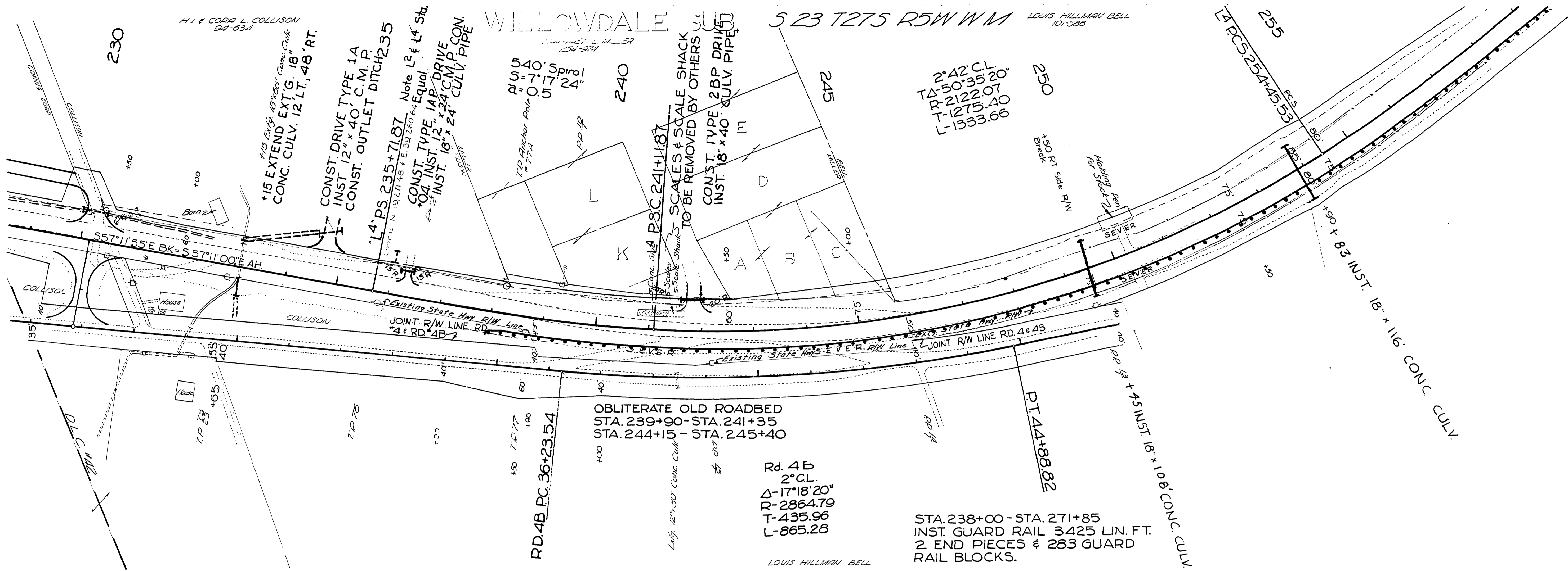
DOUGLAS COUNTY RD. DEPT.
NORTH UMPQUA HWY. RD. 4
DATE-APR '69 SHEET 6 OF 14
GEORGE E. GRUBB COUNTY ENGINEER

02700329



DOUGLAS COUNTY RD. DEPT.
 NORTH UMDQUA HWY. RD. 4
 DATE APR. '69 SHEET 8 OF 14
 GEORGE E. GRUBB COUNTY ENGINEER

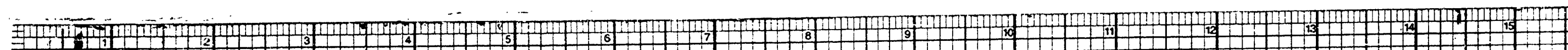
03860441

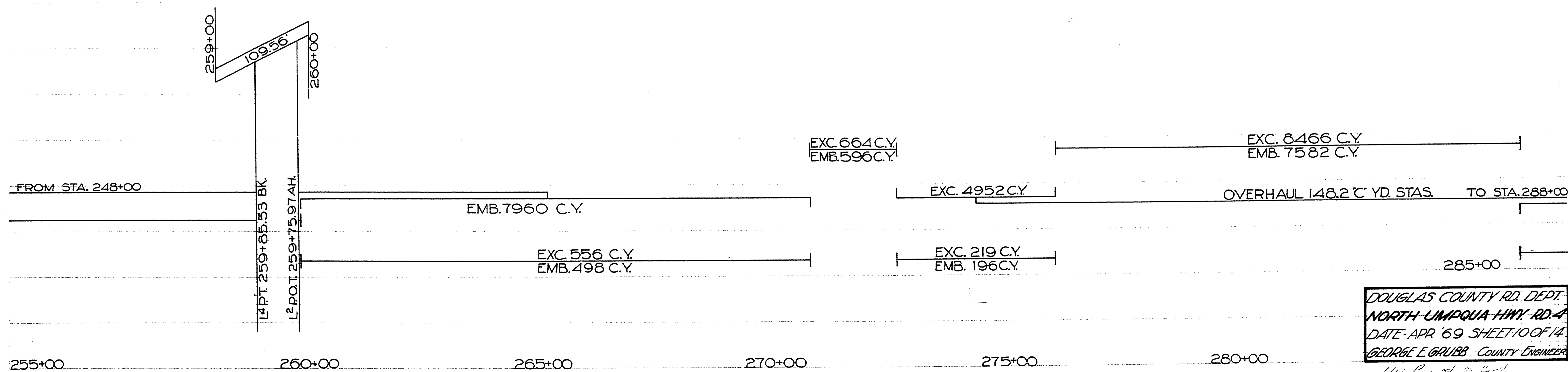
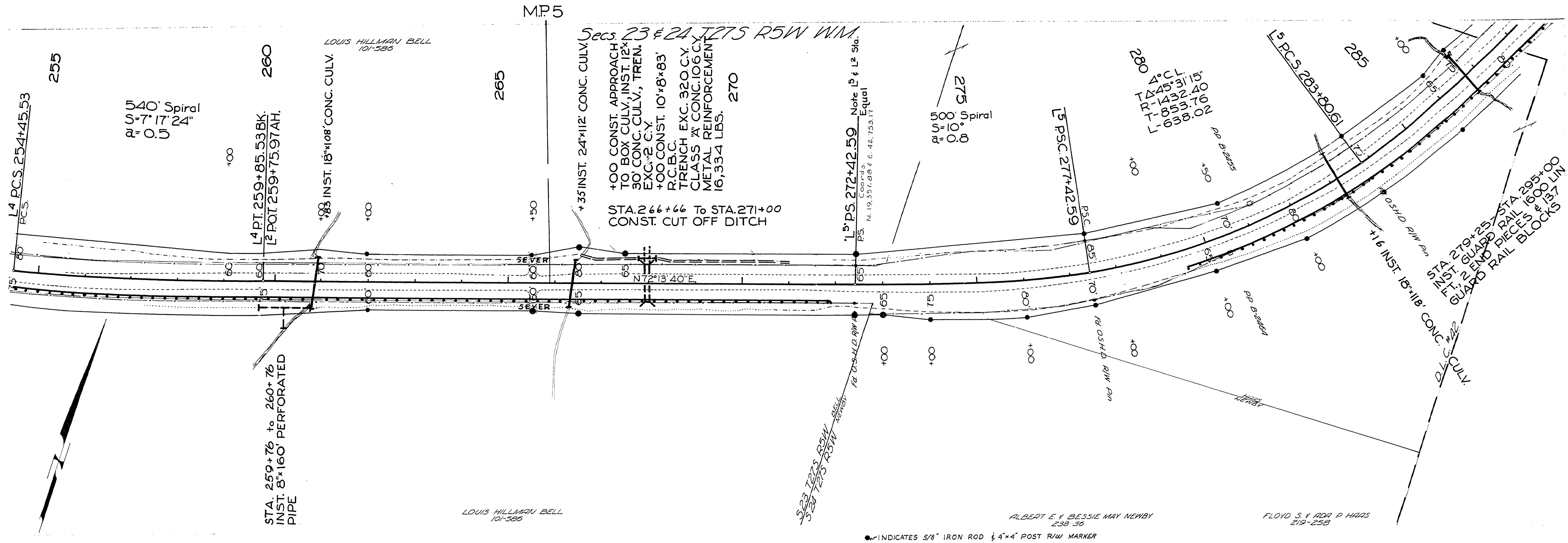


TO STA. 85+00	OVERHAUL 917.3 C ³ YD. STAS.	EXC. 611 C.Y.
" " 169+50	" 1032.3 " " "	EXC. 1567 C.Y.
" " 183+50	" 50.0 " " "	EXC. 96 C.Y.
" " 179+00	" 1397.9 " " "	EXC. 2468
" " 189+00	" 3103.2 " " "	EXC. 6689 C.Y.
" " 194+00	" 415.2 " " "	EXC. 1115 C.Y.
" " 199+00	" 353.6 " " "	EXC. 1119 C.Y.
" " 212+50	" 48.2 " " "	EXC. 277 C.Y.
" " 219+00	" 143.2 " " "	EXC. 1333 C.Y.
" " 224+50	" 89.7 " " "	EXC. 1937 C.Y.
		EXC. 8890 C.Y.
OVERHAUL 826.0 C ³ YD. STAS.		EXC. 6473 C.Y.
		EMB. 5797 C.Y.
EXC. 1845 C.Y.	EXC. 28 C.Y.	EXC. 200 C.Y.
EMB. 1652 C.Y.	EMB. 25 C.Y.	EMB. 179 C.Y.
	EXC. 122 C.Y.	EXC. 554 C.Y.
	EMB. 109 C.Y.	EMB. 496 C.Y.
	EXC. 89 C.Y.	
	EMB. 80 C.Y.	

DOUGLAS COUNTY RD. DEPT.
 NORTH LIMDQUA HWY. RD. 4
 DATE-APR '69 SHEET 9 OF 14
 GEORGE E. GRUBB COUNTY ENGINEER

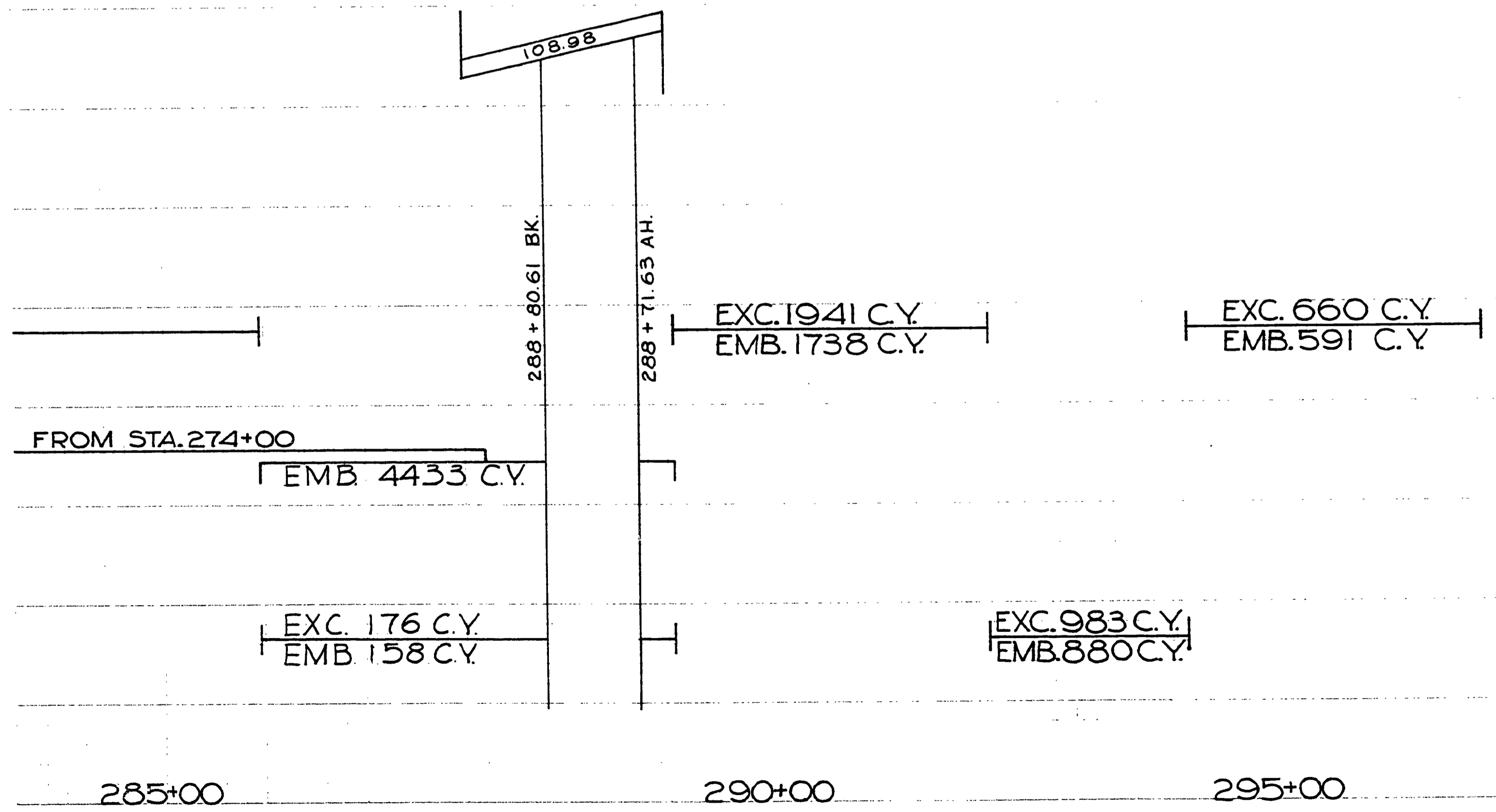
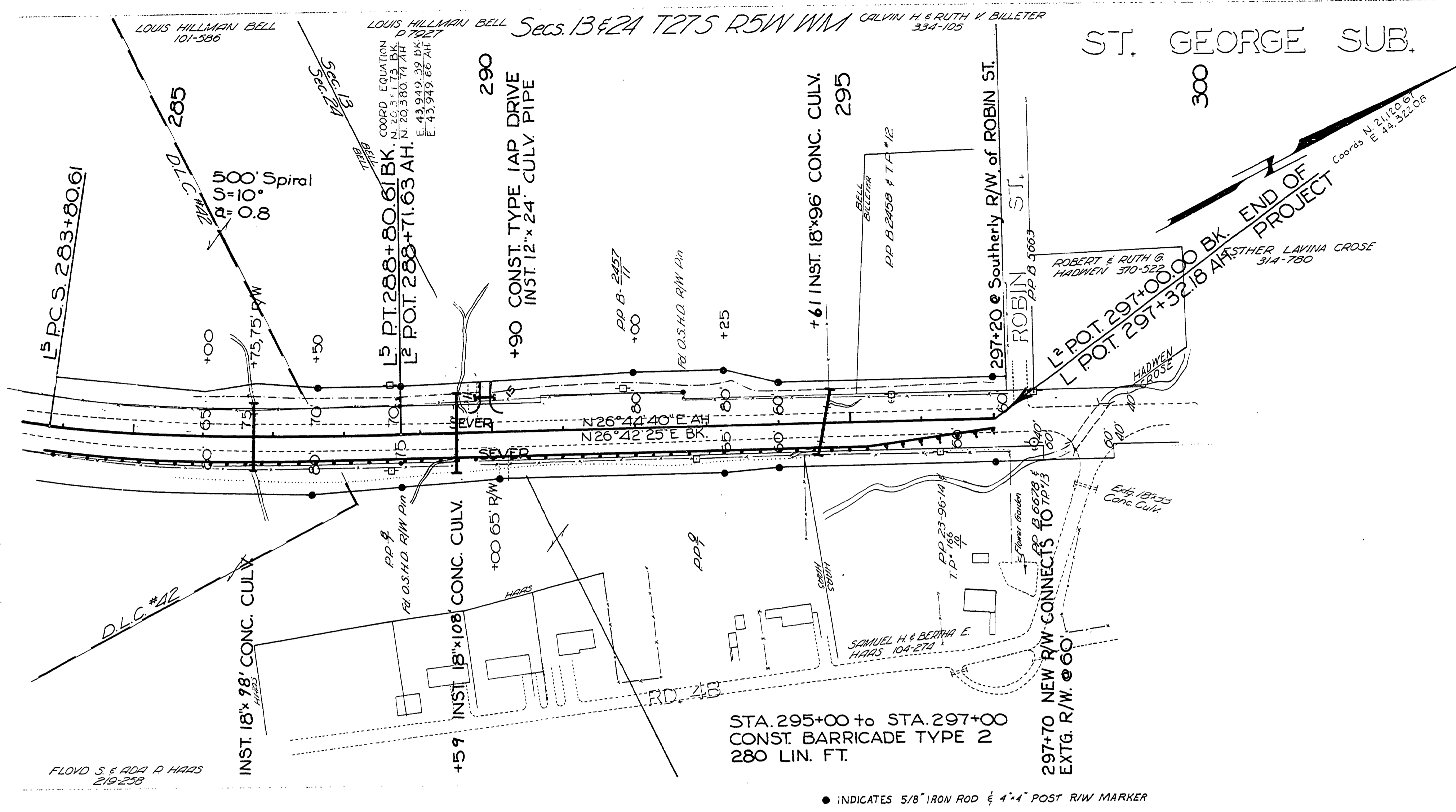
Not Bound as per
 R1 #1 (46)





DOUGLAS COUNTY RD. DEPT.
 NORTH UMPQUA HWY. RD. 4
 DATE-APR '69 SHEET 10 OF 14
 GEORGE E. GRUBB COUNTY ENGINEER

04900345



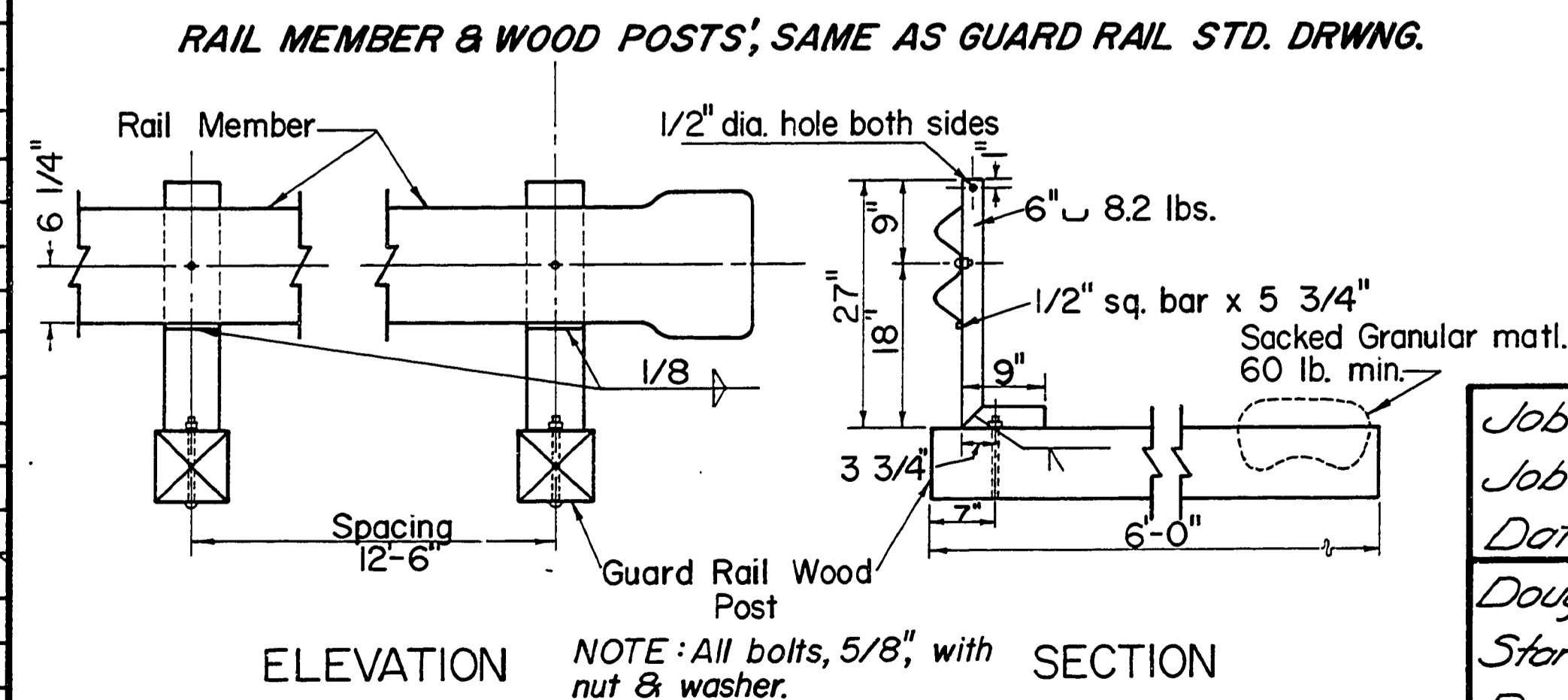
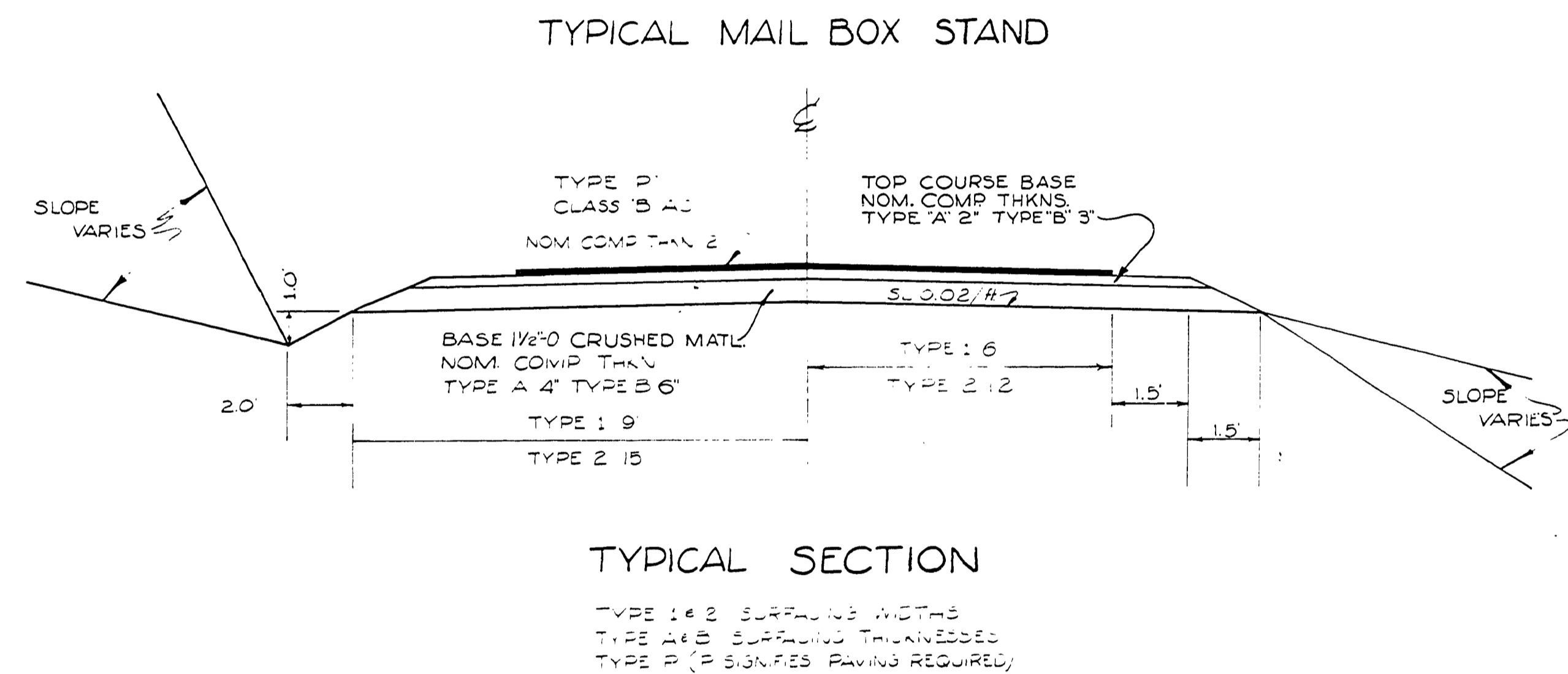
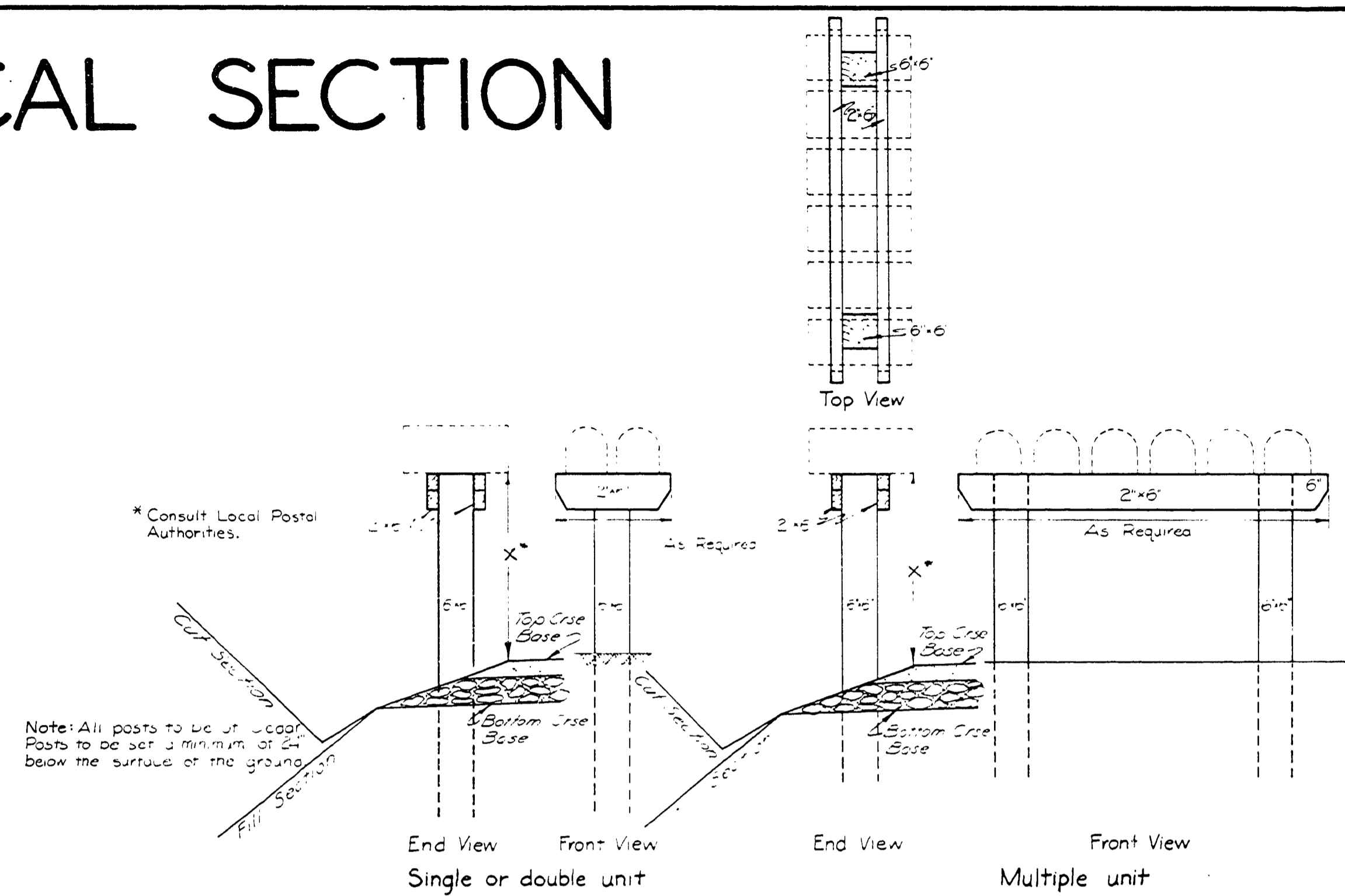
DOUGLAS COUNTY RD. DEPT.
 NORTH UMPQUA HWY. RD. 4
 DATE APR. '69 SHEET 11 OF 14
 GEORGE E. GRUBB COUNTY ENGINEER

05450563

Not Reused as Cont.
 R-1 11-14 (48)

PIPE LIST & DRIVEWAY TYPICAL SECTION

STATION	DIAMETER	LENGTH	MATERIALS						TRENCH EXC. CU. YDS.	REMARKS STRUTTED END TREATMENT IMPERFECT TRENCH, ETC.	
			ALUMINUM			GALV. STEEL					CONCRETE
			ANNULAR CORR. GAGE	HELICAL CORR.	ASPHALT COATED	ANNULAR CORR. GAGE	HELICAL CORR.	ASPHALT COATED			
85+80	18"	24'							1	EXTEND CULVERT PIPE	
90+30	12"	40'				16	16	✓	2	" "	
92+39	18"	33'						✓	3	EXTEND " "	
98+85	18"	28'				16	16	✓	2	" "	
99+40	24"	118'						✓	58	" "	
102+32	12"	36'				16	16	✓	2	" "	
105+00	18"	42'						✓	1	EXTEND " "	
110+45	18"	52'						✓	12	" "	
113+45	24"	16'						✓	3	" "	
115+35	24"	36'						✓	3	" "	
120+55	12"	36'				16	16	✓	2	" "	
126+25	12"	40'				"	"	✓	2	" "	
127+35	24"	36'						✓	2	EXTEND " "	
135+40	12"	42'				16	16	✓	6	" "	
140+98	18"	36'				"	"	✓	3	EXTEND " "	
148+10	18"	104'						✓	44	" "	
149+30	18"	60'				16	16	✓	15	" "	
150+55	18"	40'						✓	4	EXTEND " "	
155+15	18"	50'						✓	10	" "	
155+15	18"	44'						✓	2	" "	
156+30	12"	48'				16	16	✓	2	" "	
159+15	12"	24'				16	16	✓	1	" "	
159+55	18"	50'						✓	10	EXTEND " "	
160+80	12"	24'				16	16	✓	1	" "	
161+90	18"	56'						✓	24	EXTEND " "	
161+90	18"	38'						✓	13	" "	
162+85	12"	44'						✓	2	" "	
163+85	12"	36'				"	"	✓	2	" "	
168+50	12"	24'						✓	5	" "	
169+50	12"	49'						✓	14	CONDUIT	
175+85	18"	52'						✓	18	EXTEND CULVERT PIPE	
178+50	36"	42'						✓	15	" "	
181+85	18"	52'				"	"	✓	7	" "	
184+85	18"	52'				"	"	✓	7	" "	
190+30	18"	40'						✓	4	EXTEND " "	
197+40	12"	40'				16	16	✓	2	" "	
204+40	12"	36'				"	"	✓	2	" "	
205+10	18"	40'				"	"	✓	3	" "	
209+85	12"	24'				"	"	✓	1	" "	
213+54	18"	40'						✓	2	EXTEND " "	
215+45	12"	32'				16	16	✓	2	" "	
218+50	18"	92'						✓	33	" "	
220+00	12"	32'				16	16	✓	2	" "	
224+00	18"	36'						✓	2	EXTEND " "	
224+10	24"	36'						✓	2	" "	
225+85	12"	30'				16	16	✓	2	" "	
229+70	12"	40'				"	"	✓	2	" "	
230+15	18"	48'				"	"	✓	3	" "	
233+15	18"	44'						✓	6	EXTEND " "	
236+35	18"	24'				16	16	✓	2	" "	
241+90	18"	40'				"	"	✓	3	" "	
249+38	18"	112'						✓	80	" "	
253+76	18"	116'						✓	101	" "	



BARRICADE, TYPE TWO

Job Name NORTH UMPQUA HWY.
 Job Number RD. #4
 Date: April 1969
 Douglas County Road Dept.
 Standard Pipe List &
 Rural Driveway
 Date December 7, 1967
 GEORGE E. GRUBB County Engineer

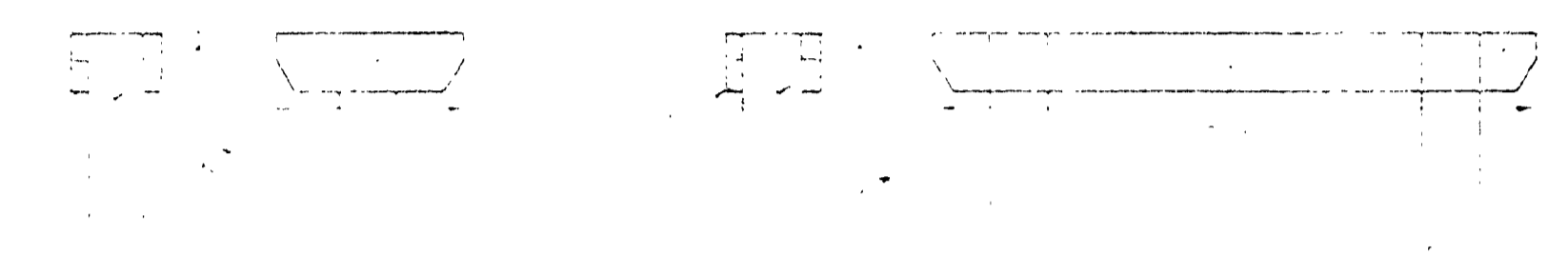
0000PIPE

PIPE LIST & DRIVEWAY TYPICAL SECTION

PIPE LIST

STATION	DIAMETER	LENGTH	MATERIALS			TRENCH EXC. CU. YDS.	REMARKS STRUTTED END TREATMENT IMPERFECT TRENCH, ETC.
			ALUMINUM	GALV. STEEL	CONCRETE		
85+80	18"	24'			✓	1	EXTEND CULVERT PIPE
90+30	12"	40'		16.16 ✓	✓	2	"
92+39	18"	33'			✓	3	EXTEND
98+85	18"	28'		16.16 ✓	✓	2	"
99+40	24"	118'			✓	58	"
102+32	12"	36'		16.16 ✓	✓	2	"
105+00	18"	42'			✓	1	EXTEND
110+45	18"	52'			✓	12	"
113+45	24"	16'			✓	3	"
115+35	24"	36'			✓	3	"
120+55	12"	36'		16.16 ✓	✓	2	"
126+25	12"	40'		" " ✓	✓	2	"
127+35	24"	36'			✓	2	EXTEND
135+40	12"	42'		16.16 ✓	✓	6	EXTEND
140+98	18"	36'		" " ✓	✓	2	"
148+10	18"	104'			✓	44	"
149+30	18"	60'		16.16 ✓	✓	15	"
150+55	18"	40'			✓	4	EXTEND
155+15	18"	50'			✓	10	"
155+15	18"	44'			✓	2	"
156+30	12"	48'		16.16 ✓	✓	2	"
159+15	12"	24'		16.16 ✓	✓	1	"
159+55	18"	50'			✓	10	EXTEND
160+80	12"	24'		16.16 ✓	✓	1	"
161+90	18"	56'			✓	24	EXTEND
161+90	18"	44'			✓	15	"
162+85	12"	44'		" " ✓	✓	2	"
163+90	12"	36'		" " ✓	✓	2	"
168+50	12"	24'			✓	5	"
169+50	12"	49'			✓	14	CONDUIT
175+85	18"	52'			✓	18	EXTEND CULVERT PIPE
178+50	36"	42'			✓	15	"
181+95	18"	28'		" " ✓	✓	7	"
181+95	18"	24'		" " ✓	✓	4	EXTEND
190+30	18"	40'			✓	4	"
197+40	12"	40'		16.16 ✓	✓	2	"
204+40	12"	36'		" " ✓	✓	2	"
205+10	18"	40'		" " ✓	✓	3	"
209+85	12"	24'		" " ✓	✓	1	"
213+54	18"	40'			✓	2	EXTEND
215+45	12"	32'		16.16 ✓	✓	2	"
218+50	18"	92'			✓	33	"
220+00	12"	32'		16.16 ✓	✓	2	"
224+00	18"	36'			✓	2	EXTEND
224+10	24"	36'			✓	2	"
225+85	12"	30'		16.16 ✓	✓	2	"
229+70	12"	40'		" " ✓	✓	2	"
230+15	18"	48'		" " ✓	✓	3	"
233+15	18"	44'			✓	6	EXTEND
236+35	18"	24'		16.16 ✓	✓	2	"
241+90	18"	40'		" " ✓	✓	3	"
249+38	18"	112'			✓	80	"
253+76	18"	116'			✓	101	"

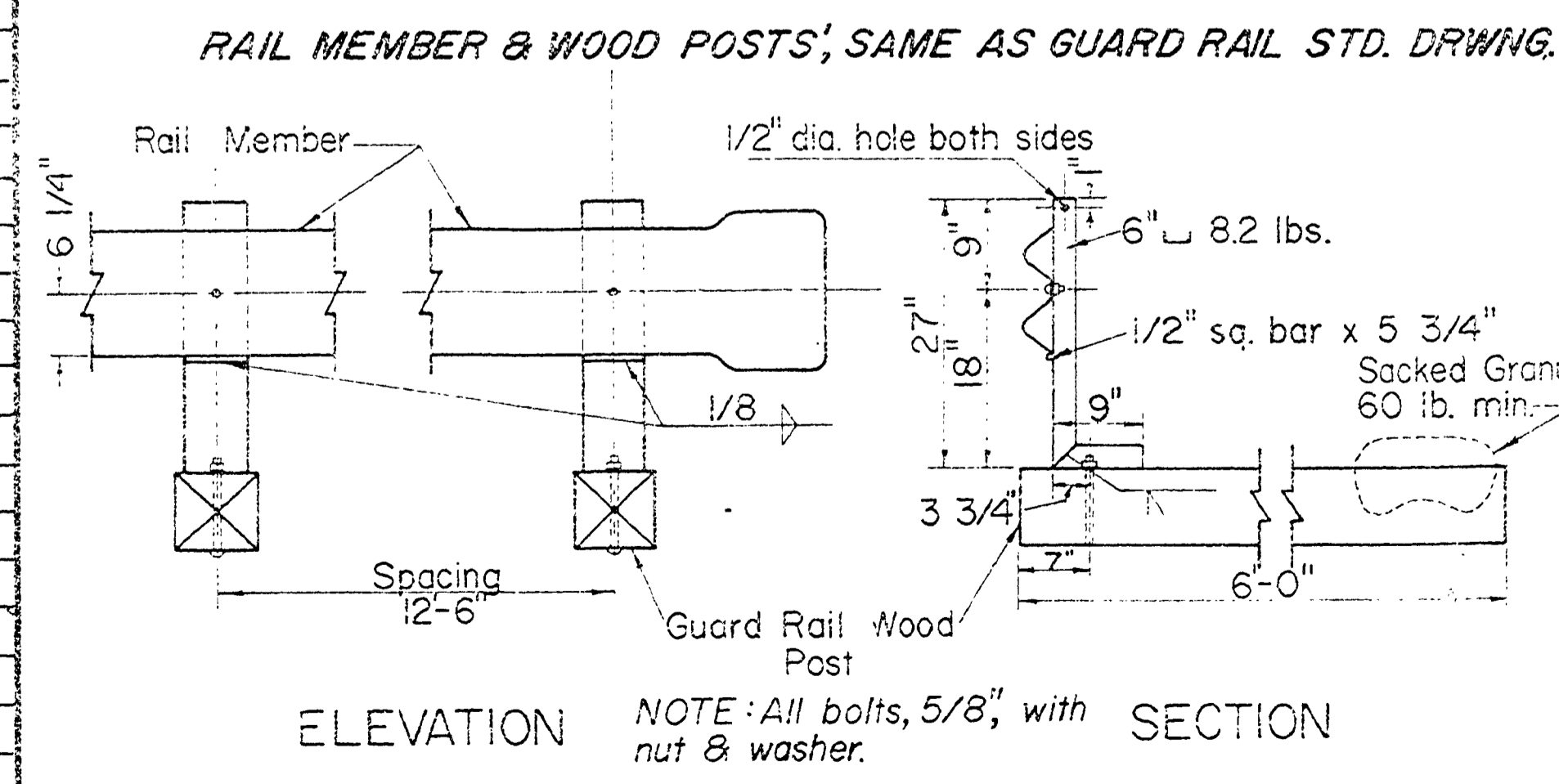
STATIONS & LENGTH OF PIPES TO BE VERIFIED IN FIELD.



TYPICAL MAIL BOX STAND

BASE TO NATL. STANDARD
Slope on shoulder of road
Multiple unit

TYPICAL SECTION RURAL DRIVEWAY & ROAD APPROACH STANDARD



RAIL MEMBER & WOOD POSTS; SAME AS GUARD RAIL STD. DRWG.

ELEVATION SECTION
NOTE: All bolts, 5/8", with nut & washer.

BARRICADE, TYPE TWO

Job Name NORTH UMPQUA HWY
 Job Number RD #4
 Date April 1969
 Douglas County Road Dept
 Standard Pipe List &
 Rural Driveway
 Date December 7, 1967
 GEORGE E. GRUBBE, County Engineer

RD #4
 RD #4
 35