

Project Code		Project Number		Unit	Description
		F-296(14)			
State Hwy	County	City	Old Hwy		
25	PUEBLO		SECONDARY STATE HWYS COUNTY/CITY		

CHECK ☒ NO OTHER ENTRY INSIDE BOX

Non Project ☐ Name:

Last Rev Date

ROW Beg MP ROW End MP

ROW Begin Sta **503+01** ROW End Sta **748+19**

Note

File Location	Parcel(s)	Maps	Corres.	File Cabinet Drawer No.	Box	Flat File Drawer #
File Room - 905	☐	☐	☐			
File Room - 905	☐	☐	☐			
File Room - 905	☐	☐	☐			

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	F.I. 296 (14)	1	

INDEX OF SHEETS

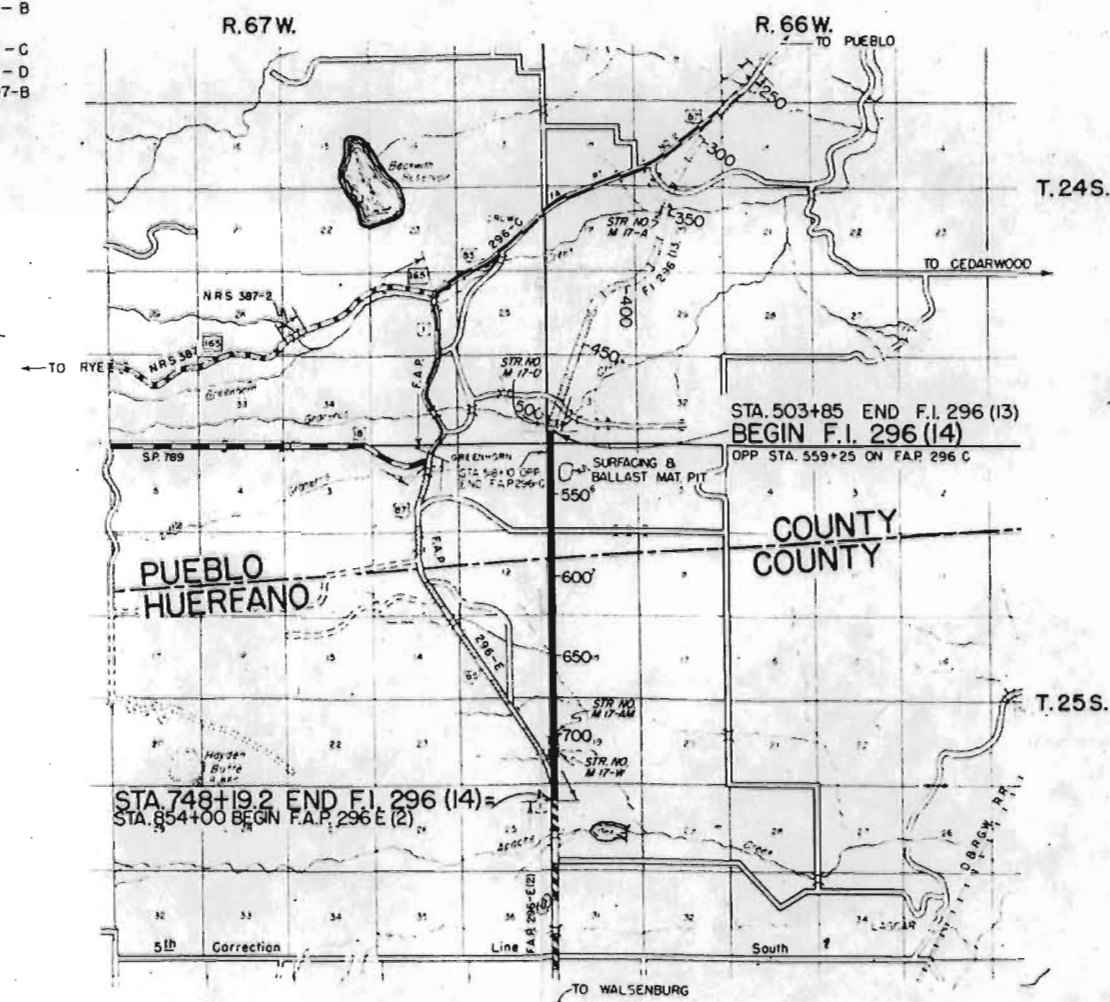
- SHEET NO. 1 SKETCH MAP AND TITLE PAGE.
2. TYPICAL SECTIONS.
3. TABULATION OF LENGTH AND SUMMARY OF QUANTITIES.
4. LIST OF STRUCTURES.
5. BALLAST AND SNOW FENCE TABULATIONS.
6. FENCING REQUIREMENTS AND R.O.W. MARKERS.
- 7-9. DETAILS OF BRIDGE STA. 718+.
10. LAYOUT OF 120" MULTIPLE PLATE CULVERT STA. 518+.
11. LAYOUT OF 135" MULTIPLE PLATE CULVERT STA. 627+.
12. PLAN AND PROFILE FOR PIPE LINE STA. 538+.
13. STANDARD LETTERS AND FIGURES FOR YEAR AND STRUCTURE NUMBERS.
14. STANDARD MARKER POSTS.
15. STANDARD HEADWALLS AND APRONS FOR C.M.P. CULVERTS.
16. STANDARD TYPE "G" HEADWALLS FOR LARGE C.M.P. CULVERTS.
17. STANDARD CORRUGATED METAL PIPE CULVERT HEADWALL.
18. DETAILS OF MULTIPLE PLATE CORRUGATED METAL CULVERT PIPE.
19. STANDARD CONCRETE BOX CULVERT.
20. STANDARD DOUBLE CONCRETE BOX CULVERT 10 FT. SPAN.
21. STANDARD WIRE FENCES (TREATED WOODEN POSTS).
22. STANDARD PICKET SNOW FENCE WITH STEEL POSTS.
23. STANDARD METHODS FOR SUPERELEVATION AND WIDENING OF CURVES.
24. TYPICAL SIDE APPROACH ROADS, FLARING, CUT SLOPE TREATMENT AND WIDENING AT BRIDGES.
25. STANDARD ROADWAY CONSTRUCTION TRAFFIC SIGNS.
26. CONTOUR INTERCEPTING AND DRAINAGE DITCHES.
- 27-35. ALIGNMENT PLAN AND PROFILE.
36. ALIGNMENT PLAN AND PROFILE APPROACH STA. 711+.
- 37-96. CROSS SECTIONS.
- 97-100. CROSS SECTIONS APPROACH STA. 711+.
101. SUMMARY OF EARTHWORK QUANTITIES AND TABULATION OF INTERCEPTING DITCHES.

M-10-B
M-7-B
M-102-G
M-102-G-LP
M-115-AX
M-113-B
M-104-E
M-110-C
M-24-G
M-25-B
M-1-B

M-2-C
M-2-D
M-107-B

COLORADO STATE HIGHWAY DEPARTMENT PLAN AND PROFILE OF PROPOSED FEDERAL AID PROJECT NO. F.I. 296 (14) STATE HIGHWAY NO. 1 PUEBLO AND HUERFANO COUNTIES

SCALES OF ORIGINAL TRACINGS
ON PLAN, 1 IN. = 100 FT.
ON PROFILE, 1 IN. = 100 FT. HORIZONTAL
1 IN. = 10 FT. VERTICAL
GRADE LINE ON PROFILE IS SHOWN AS GRADE OF FINISHED ROAD
GROSS LENGTH OF PROJECT } 23,365.1 FT. = 4.425 MI.
NET LENGTH OF PROJECT }



CONVENTIONAL SIGNS

CENTER LINE
RIGHT-OF-WAY LINE
COUNTY LINE
TOWNSHIP OR RANGE LINE
SECTION LINE
QUARTER SECTION LINE
BARBED WIRE FENCE
TELEPHONE & TELEGRAPH LINE
POWER LINE
RAILROAD

NOTE:

It is recommended that bidders on this project go over the plan details with one of the following field representatives of this Department:
G.N. Miles, Division Engineer, Pueblo, Colo.
J.A. Solmonson, Resident Engineer, Pueblo, Colo.

RECOMMENDED FOR APPROVAL DATE

Just Bell
ASSISTANT ENGINEER
4-22-47

APPROVED DATE

Mark E. ...
STATE HIGHWAY ENGINEER
1-23-47

RECOMMENDED FOR APPROVAL DATE

DISTRICT ENGINEER
PUBLIC ROADS ADMINISTRATION
FEDERAL WORKS AGENCY

APPROVED DATE

DIVISION ENGINEER
PUBLIC ROADS ADMINISTRATION
FEDERAL WORKS AGENCY

SCALE IN MILES

FED. AIDED DIST. NO.	STATE	F.A. PROJECT NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	F.I. 296 (14)	6	

FENCING REQUIREMENTS

STATION	SIDE	REMOVE FENCE		BUILD B.W. FENCE		GATES			
		LIN. FT.		LIN. FT.		BARBED WIRE			
		44' RDWY.	61' RDWY.	44' RDWY.	61' RDWY.	44' RDWY.	61' RDWY.		
507+80 516+95	Rt.	930							
516+95	X	345							
540+95.8 555+21	Rt.		1768						
562+53	X		300						
568+23	X	300							
580+51	X	300							
581+08	X	300							
597+15	X	300							
607+96	X	300							
622+60	X	300							
645+35	X	305							
660+94	X	300							
677+89 748+19.2	Rt. & Lt.	9375							
677+89	X	195							
687+60	X	300							
714+02	X	190							
727+58	X	115							
503+85 534+69.1	Lt.			2039					
534+69.1 564+00	Lt.				2931				
564+00 580+51	Lt.			1651					
581+08 748+19.2	Lt.			16,712					
503+85 534+69.1	Rt.			2030					
534+69.1 564+00	Rt.				2931				
564+00 580+51	Rt.			1651					
581+08 710+55	Rt.			12,980					
711+35 748+19.2	Rt.			3760					
537+50	Lt.								
538+50	Lt.								
594+00	Lt.								
616+00	Lt.								
643+50	Lt.								
677+00	Lt.								
711+00	Lt.								
537+50	Rt.								
541+50	Rt.								
558+50	Rt.								
594+00	Rt.								
616+00	Rt.								
643+50	Rt.								
677+00	Rt.								
Approach Rt. 711+00									
2+90 15+00	Lt.			1220					
2+90 15+20	Rt.			1230					
12+50 15+20	Rt. & Lt.	290							
TOTALS		14,145	2068	43,273	5862	9	5		

R.O.W. MARKERS

STATION	SIDE	NUMBER	
		44' RDWY. 61' RDWY.	
		44' RDWY.	61' RDWY.
504+06	Rt.	1	
506+00	Rt. & Lt.	2	
508+88	Rt.	1	
513+00	Lt.	1	
514+00	Lt.	1	
516+84	Lt.	1	
517+07	Rt.	1	
519+00	Lt.	1	
520+00	Lt.	1	
540+93.2	Rt.		1
540+97.3	Lt.		1
555+19.7	Rt.		1
555+21.7	Lt.		1
568+21.4	Lt.	1	
568+25.8	Rt.	1	
581+24.3	Lt.	1	
581+29	Rt.	1	
607+94.8	Lt.	1	
607+99.2	Rt.	1	
621+14.8	Lt.	1	
621+19.2	Rt.	1	
634+33.4	Lt.	1	
634+37.8	Rt.	1	
638+89	Rt.	1	
647+85	Rt.	1	
660+88.8	Rt.	1	
660+97	Lt.	1	
687+55.2	Rt.	1	
687+62.8	Lt.	1	
709+57	Rt.	1	
712+43	Rt.	1	
713+98.9	Rt.	1	
714+04.1	Lt.	1	
717+00	Rt.	1	
722+00	Rt.	1	
724+00	Rt.	1	
739+92.4	Rt.	1	
739+98.4	Lt.	1	
745+00	Rt.	1	
747+00	Lt.	1	
748+19.2	Rt. & Lt.	2	
Approach Rt. of 711+00			
2+90	Rt. & Lt.	2	
13+00	Lt.	1	
15+00	Lt.	1	
15+32	Rt.	1	
TOTALS		44	4

(FUTURE CONSTRUCTION) TIMBER GUARD POSTS

STATION	SIDE	SPACING	NUMBER	
			44' RDWY. 61' RDWY.	
			44' RDWY.	61' RDWY.
514+00 521+00	Lt.	50'	15	
515+00 532+19	Rt.	50'	14	
543+00 558+00	Rt.	100'		16
543+50 557+50	Lt.	100'		15
614+00	Rt. & Lt.	Culvert	2	
627+55	Rt. & Lt.	Culvert	2	
657+00	Rt. & Lt.	Culvert	2	
693+00	Rt. & Lt.	Culvert	2	
700+31	Rt. & Lt.	Culvert	2	
709+60	Rt. & Lt.	Culvert	2	
717+93 718+54	Rt. & Lt.	Bridge	10	
719+46 720+07	Rt. & Lt.	Bridge	10	
729+00	Rt. & Lt.	Culvert	2	
737+00	Rt. & Lt.	Culvert	2	
TOTALS			65	31

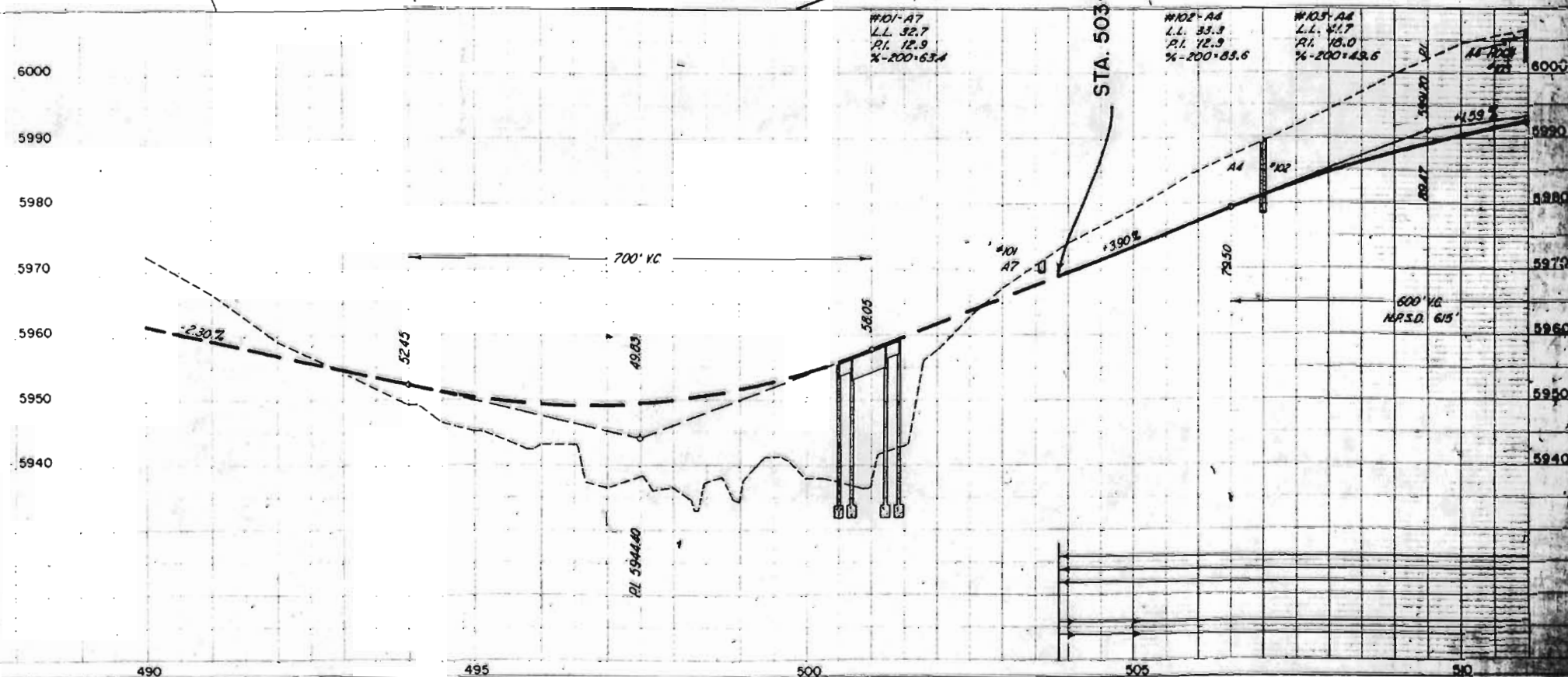
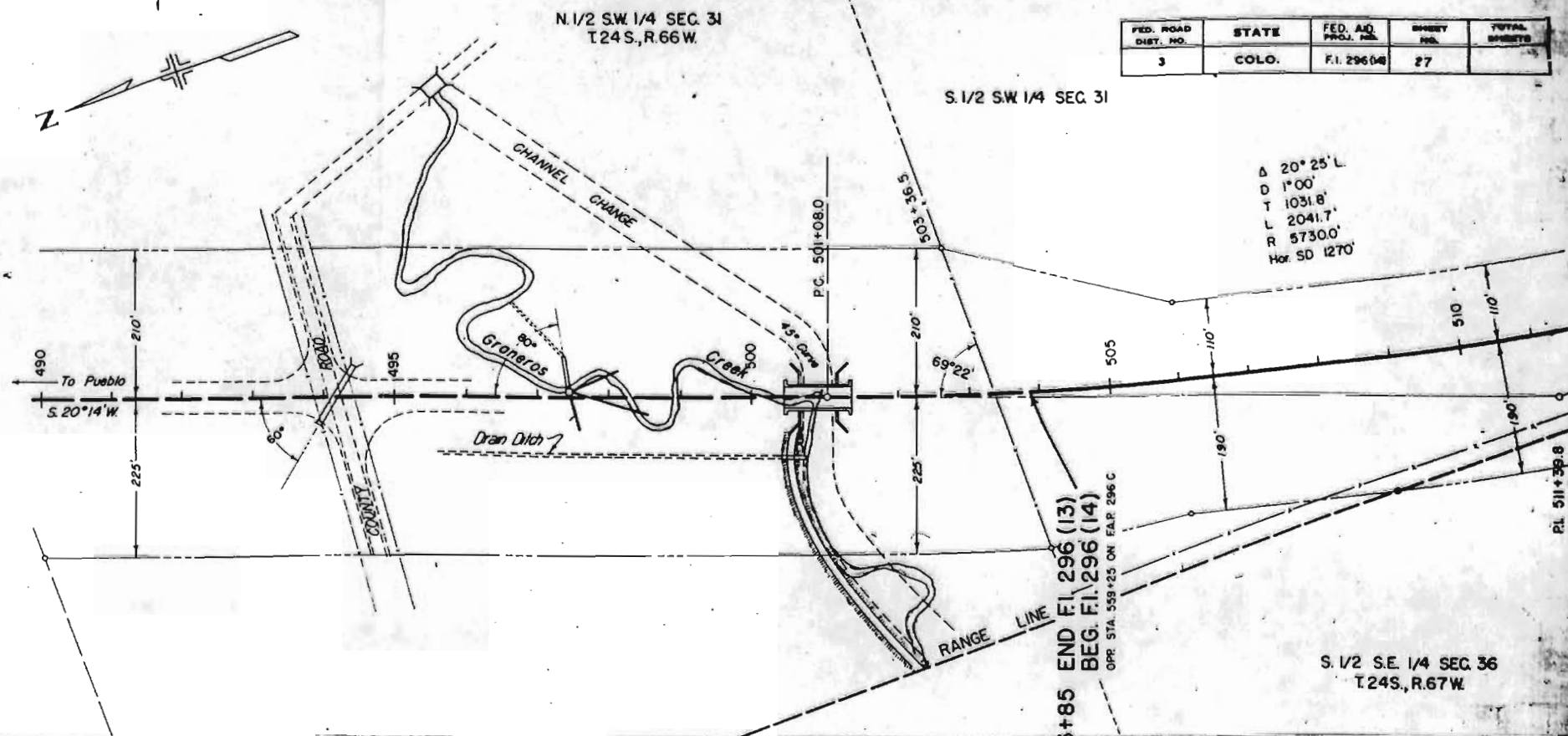
Alignment & Grades as shown are subject to modification during construction after approval by the Denver Office.

The soil data shown on the plans is obtained from best available testing laboratory information. This information is shown for the convenience of the Contractor and the Department does not guarantee the accuracy of these tests. If materials not conforming to the data on plans are encountered during construction, necessary modifications of the grading plan shown on plans will be made to secure dense, stable embankments.

Ballast and Snow Fence are tabulated on Sheet 5.

Fencing and R.O.W. Markers are tabulated on Sheet 6.

Δ 20° 25' L.
D 1° 00'
T 1031.8'
L 2041.7'
R 5730.0'
Hor. SD 1270'



EXCAV. FACTOR	
EXCAV.	
EXCAV. X FACTOR	
EMBANK.	
BORROW	
STA. YD. OH.	
YD. MI. OH.	
BORROW SOURCE	

PLATE 1 PLAN, PROFILE & ELEVATIONS

S. 1/2 SW 1/4 SEC. 31, T. 24 S., R. 66 W.

N.W. 1/4 SEC. 6, T. 25 S., R. 66 W.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	F.I. 296 (14)	28	

Rev. 4-5-47 - N.H.M. - Quant in Note

Δ 20°25' LEFT
D 1°
T 1031.8'
L 2041.7'
R 5730.0'
Hor. S. D. = 1270'

SOUTH N 89°46' W

510+33 - Reg'd 120" x 105' Multiple Pipe C.M.P. Cross Culvert and 360 cu yds. Excav. for pipe placement and Outlet Ditch (W-12) (Details on Sh 10 & 15) Use Material to fill old Channel.

PT. 521+49.7 Bk. 532+18.8 Ah.

537+30 - Reg'd 18" x 46" C.M.P. Side Drain LI, and 400 cu yds. Excav. for Road Approaches RI & LI.

537+75 - Reg'd 15 cu yds. Excav. for drain ditch RI (W-11) & 18" x 26" C.M.P. Side drain under Road Approach RI.

538+10 - Remove 4" x 210' K&M asbestos cement pipe. Reg'd 4" x 210' Cast Iron Pipe and 12" x 90' C.M.P. to encase C.I. pipe under road-way. Details on Sh. 12.

Denver & Rio Grande Western and Colorado & Southern Water Line 4" K&M Asbestos Cement Pipe.

543+37 - Reg'd 10" x 154" C.M.P. Cross Culvert and 5 cu yds. Excav. for Inlet and Outlet Ditches (W-11).

548+74 - Reg'd 36" x 170" C.M.P. Cross Culvert and 170 cu yds. Excav. for Inlet and Outlet Ditches (W-2).

Clearing & Grubbing Sta. 533+ to Sta. 537+ Dense growth of scrub oaks.

537+50 to 541+50 - Reg'd 500 cu yds. Excav. for Road Approach RI.

S. 1/2 SE 1/4 SEC. 36, T. 24 S., R. 67 W.

N. 1/2 NE 1/4 SEC. 1

S. 1/2 NE 1/4 SEC. 1, T. 25 S., R. 67 W.

#103-AA L.L. 41.7 P.I. 18.0 %200-49.6
#104-AA L.L. 34.9 P.I. 13.4 %200-47.0
#105-AA L.L. 34.9 P.I. 13.4 %200-47.0

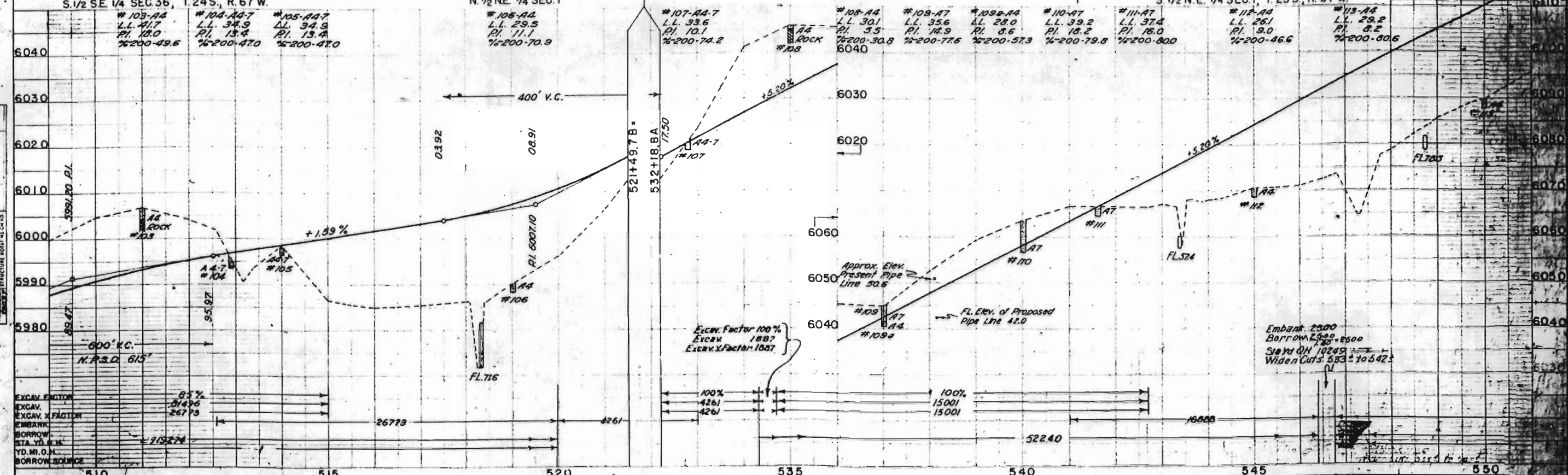
#106-AA L.L. 29.5 P.I. 11.1 %200-70.9

#107-AA L.L. 33.6 P.I. 10.1 %200-74.2

#108-AA L.L. 30.1 P.I. 5.5 %200-30.8
#109-AA L.L. 35.6 P.I. 14.9 %200-77.6
#109-AA L.L. 28.0 P.I. 8.6 %200-57.3
#110-AA L.L. 39.2 P.I. 18.2 %200-79.8
#111-AA L.L. 37.4 P.I. 15.0 %200-80.0

#112-AA L.L. 26.1 P.I. 9.0 %200-46.6

#113-AA L.L. 29.2 P.I. 8.2 %200-80.6



Embank. 2500 Borrow 2500-6500 Show on 10249 Widen Cuts 583+ to 542+

Excav. Factor 100% Excav. 1887 Excess Factor 1887

100% 4261 15001 15001

52240 10800

PLAN	REVISIONS
1	1

PROFILE	REVISIONS
1	1

NW 1/4 SEC. 6, T.25 S., R. 66 W.

LOT 6, SEC. 6

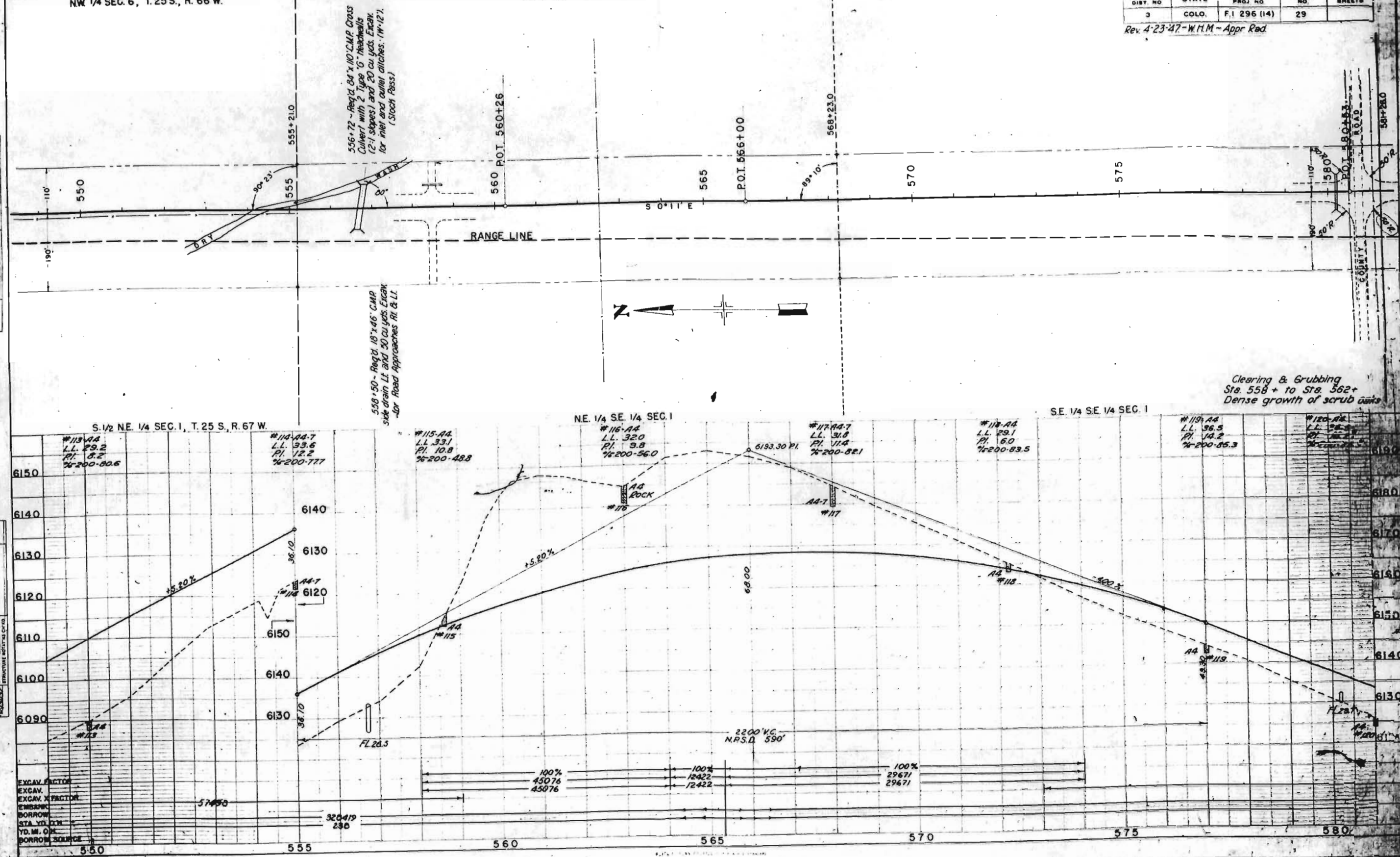
LOT 7, SEC. 6

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	F.1 296 (14)	29	

Rev. 4-23-47-W.H.M. - Appr. Red.

PLAN	UNITS
NOTE: ROAD IN CONCRETE CHALKED	
NO. 2017	

PROFILE	UNITS
NOTE: ROAD IN CONCRETE CHALKED	
NO. 2017	



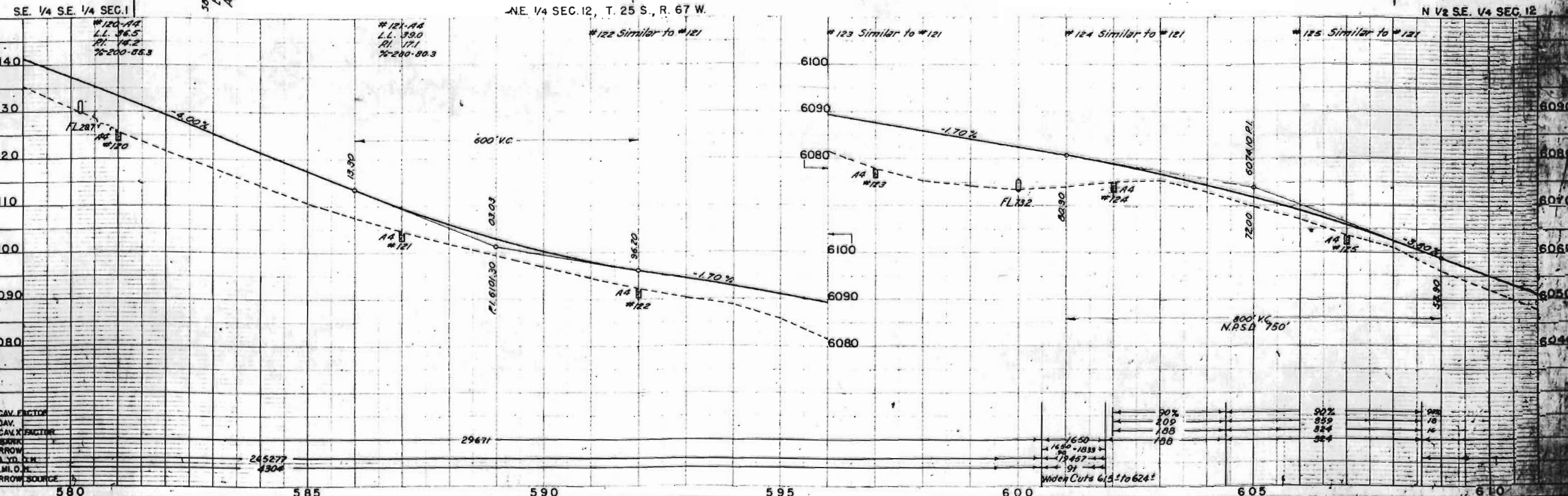
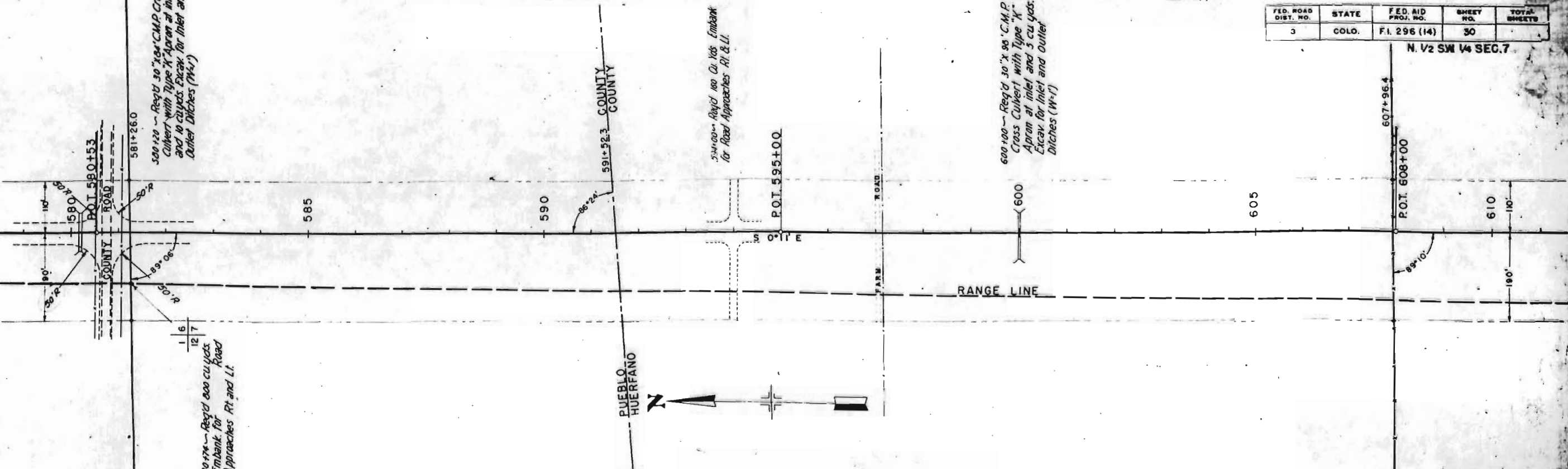
LOT 7, SEC. 6

NW 1/4 SEC. 7, T. 25 S., R. 66 W.

Rev 4-23-47 - W.H.M. - Appr. Rad.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	F.I. 296 (14)	30	

N. 1/2 SW 1/4 SEC. 7



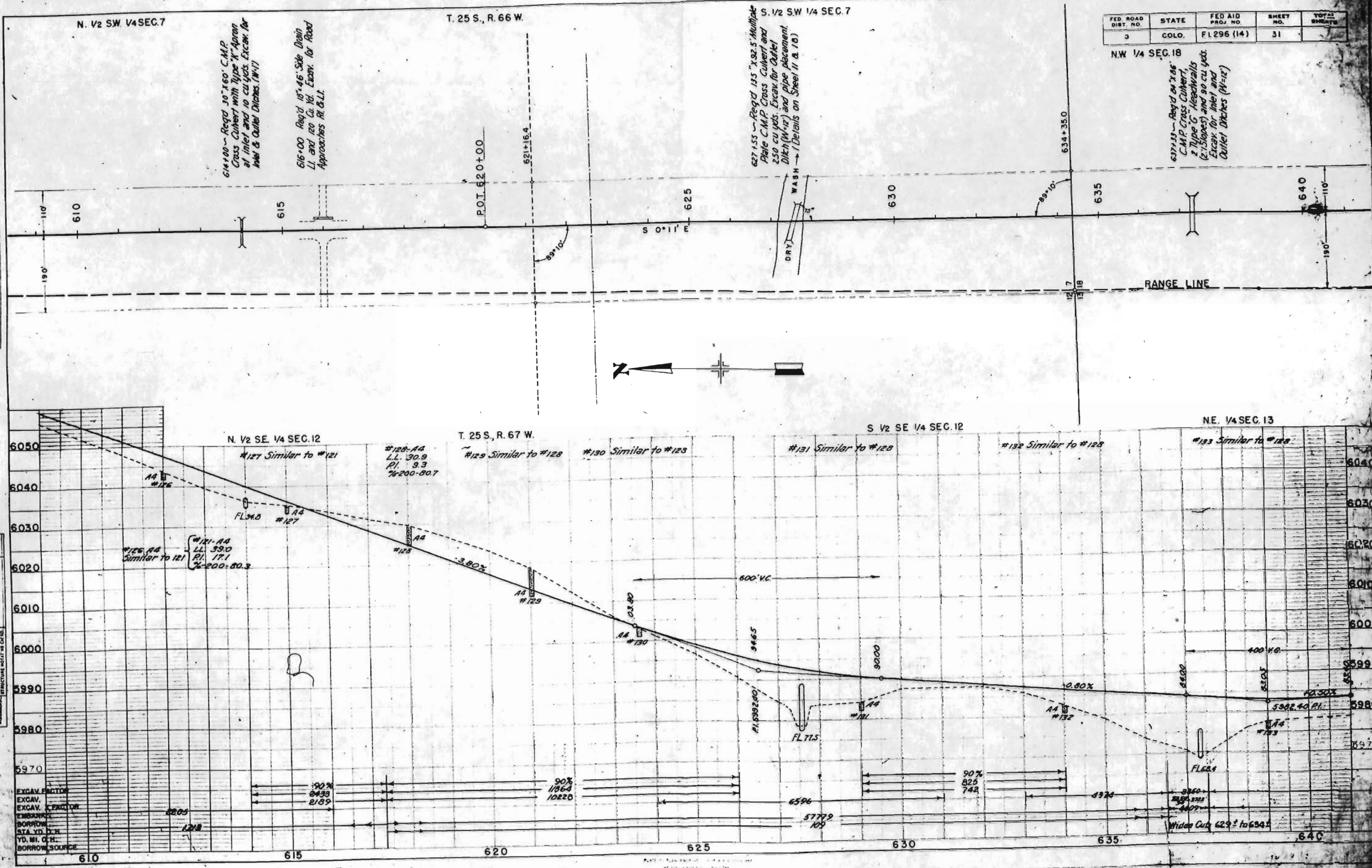
PLAN	NOTES
1. ROAD	2. ROAD
3. ROAD	4. ROAD
5. ROAD	6. ROAD
7. ROAD	8. ROAD
9. ROAD	10. ROAD
11. ROAD	12. ROAD
13. ROAD	14. ROAD
15. ROAD	16. ROAD
17. ROAD	18. ROAD
19. ROAD	20. ROAD
21. ROAD	22. ROAD
23. ROAD	24. ROAD
25. ROAD	26. ROAD
27. ROAD	28. ROAD
29. ROAD	30. ROAD

PROFILE	NOTES
1. ROAD	2. ROAD
3. ROAD	4. ROAD
5. ROAD	6. ROAD
7. ROAD	8. ROAD
9. ROAD	10. ROAD
11. ROAD	12. ROAD
13. ROAD	14. ROAD
15. ROAD	16. ROAD
17. ROAD	18. ROAD
19. ROAD	20. ROAD
21. ROAD	22. ROAD
23. ROAD	24. ROAD
25. ROAD	26. ROAD
27. ROAD	28. ROAD
29. ROAD	30. ROAD

EXCAV. FACTOR	EXCAV.	EXCAV. FACTOR
1. ROAD	2. ROAD	3. ROAD
4. ROAD	5. ROAD	6. ROAD
7. ROAD	8. ROAD	9. ROAD
10. ROAD	11. ROAD	12. ROAD
13. ROAD	14. ROAD	15. ROAD
16. ROAD	17. ROAD	18. ROAD
19. ROAD	20. ROAD	21. ROAD
22. ROAD	23. ROAD	24. ROAD
25. ROAD	26. ROAD	27. ROAD
28. ROAD	29. ROAD	30. ROAD

PLAN	DATE	BY
DESIGNED		
CHECKED		
NOTED		
DATE		

PROFILE	DATE	BY
DESIGNED		
CHECKED		
NOTED		
DATE		



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	FL 296 (14)	31	

NW 1/4 SEC. 18
 637+15 - Reqd. 135' x 25' Multiple
 Plate C.M.P. Cross Culvert and
 250 cu yds. Excav. for Culvert
 Ditch (W-12) and pipe placement
 (Details on Sheet 11 & 18)

614+00 - Reqd. 30' x 60' C.M.P.
 Cross Culvert with Type 'H' Apron
 at Inlet and 10 cu yds. Excav. for
 Inlet & Outlet Ditches (W-12)

616+00 Reqd. 18' x 46' Side Drain
 LI and 100 Cu Yds. Excav. for Road
 Approaches RI & LI.

EXCAV. PROTON
 EXCAV. CENGLOR
 EXCAV. CENGLOR
 EXCAV. CENGLOR
 STA. YD. D.H.
 YD. MI. G.H.
 BORROW SOURCE

Wider Cut 629' to 634'

S.W. 1/4 SEC. 18

FED. ROAD DIST NO	STATE	FED. AID PROJ NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	F.1296 (14)	32	

660+50 to 670+50 - Reg'd as
cu yds. Excav. for Drain Ditch L1.
IW:27.

657 +00 ~ Req'd 30" x 68' C.M.P. Class
Culvert with Type "K" Apron at
inlet and 5 cu yds. Excav for
Inlet and Outlet Ditches (W=1')

643+50 ~ Reg'd 10' x 46'
C.M.P. Side Drain Rt. and 40
cu. yds. Embank. for Road
Approaches Rt. and Lt.

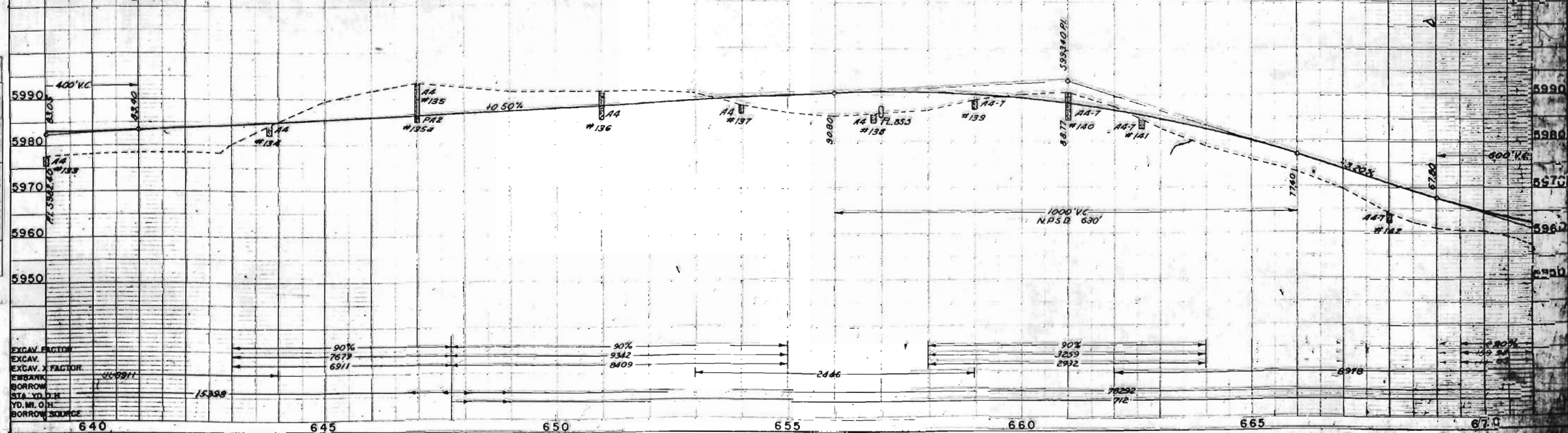
P.O.T. 64'5+32

—X—Q—
POT 661+00

RANGE LINE

S.E. 1/4 SEC. 13

#142 Similar to #140



NW 1/4 SEC. 19, T.25 S., R.66 W

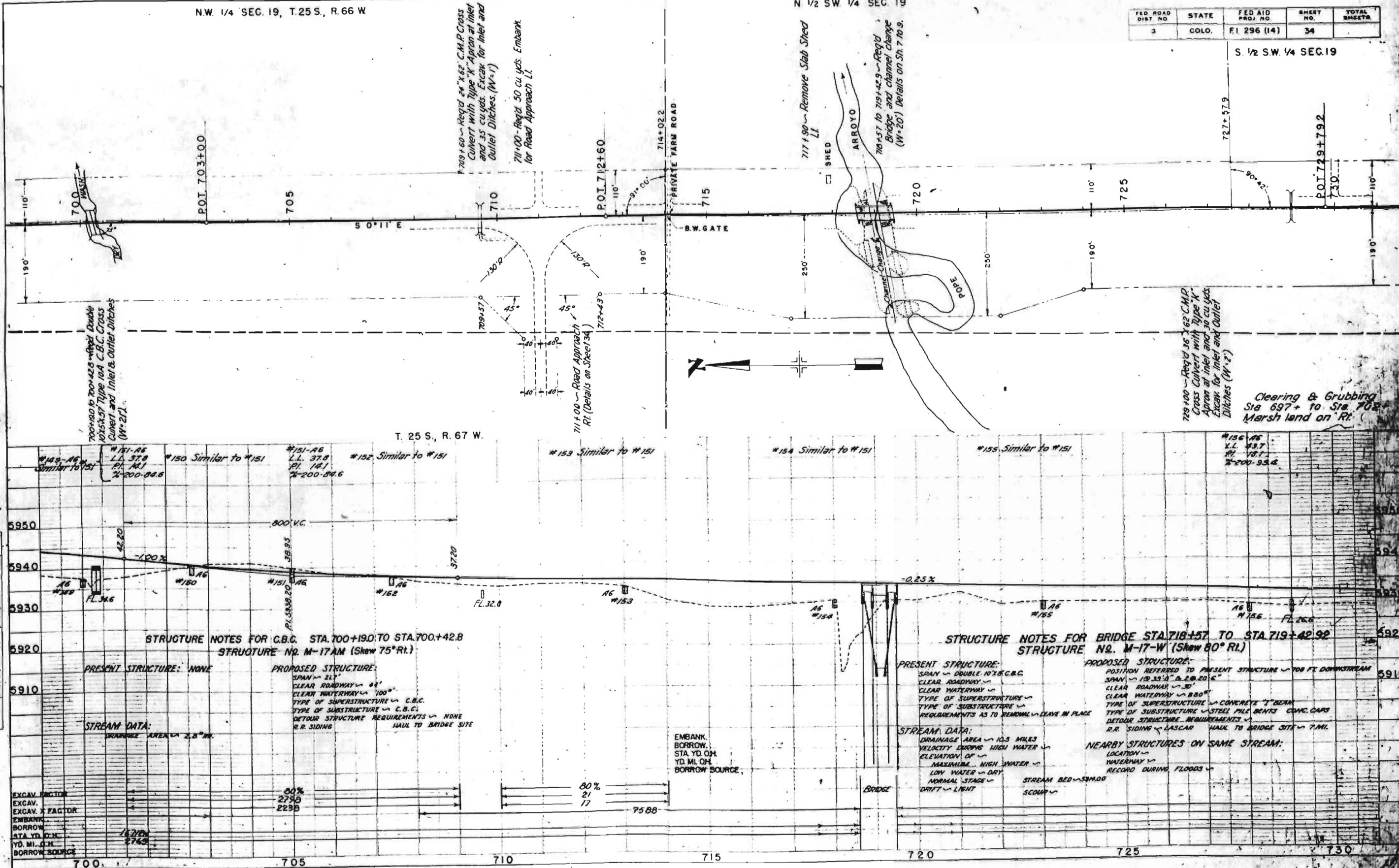
N 1/2 SW 1/4 SEC. 19

S 1/2 SW 1/4 SEC. 19

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	FI 296 (14)	34	

PLAN	PROFILE
NOTE: ROAD IMPROVEMENT CHECKED BY 10/2/57	NOTE: ROAD IMPROVEMENT CHECKED BY 10/2/57
NOTE: ROAD IMPROVEMENT CHECKED BY 10/2/57	NOTE: ROAD IMPROVEMENT CHECKED BY 10/2/57

PROFILE	PLAN
NOTE: ROAD IMPROVEMENT CHECKED BY 10/2/57	NOTE: ROAD IMPROVEMENT CHECKED BY 10/2/57
NOTE: ROAD IMPROVEMENT CHECKED BY 10/2/57	NOTE: ROAD IMPROVEMENT CHECKED BY 10/2/57



S. 1/2 S.W. 1/4 SEC. 19

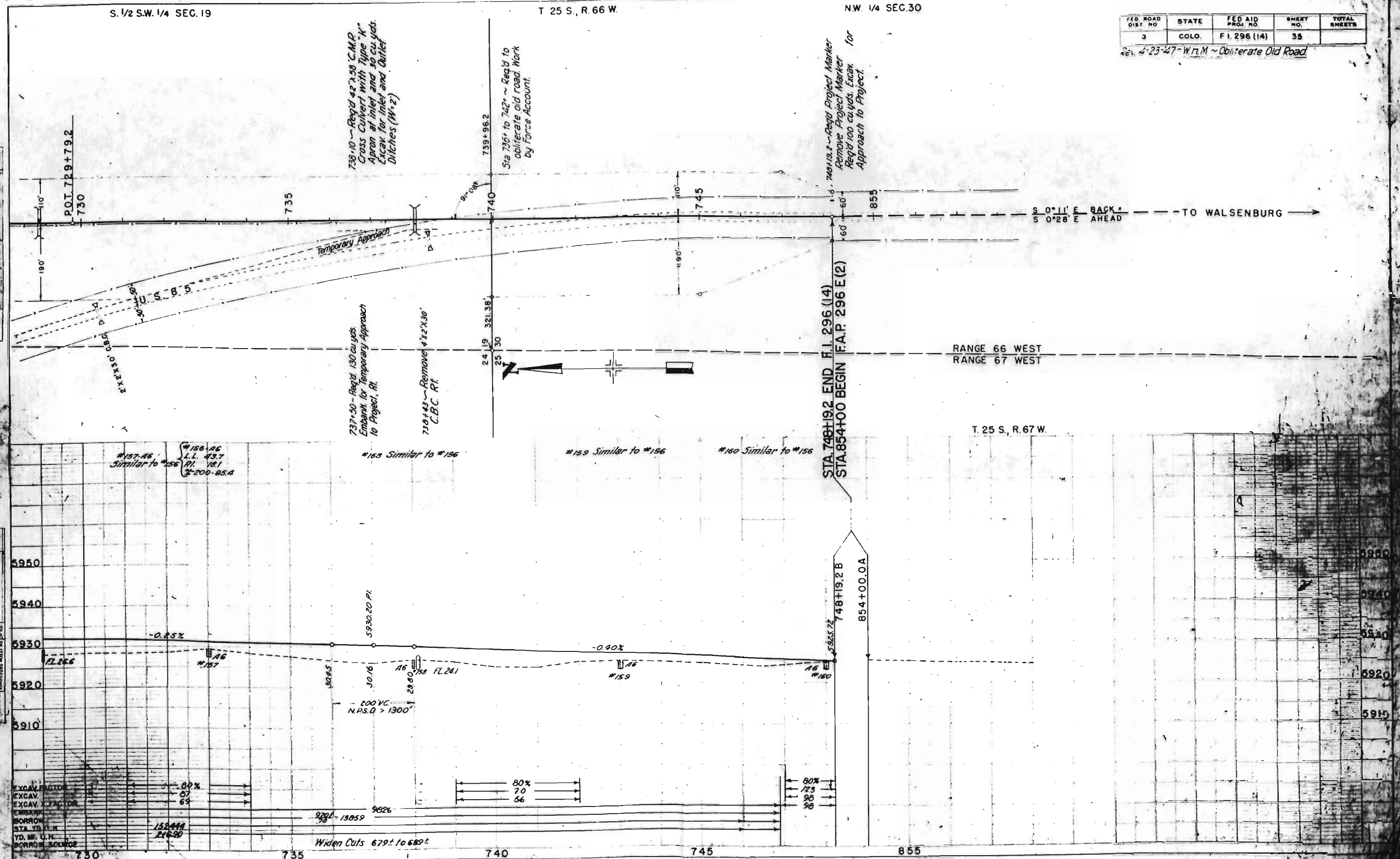
T 25 S, R. 66 W.

NW 1/4 SEC. 30

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	F.I. 296 (14)	38	

Rev. 4-23-47-W.R.M. ~ Obliterate Old Road

PLAN	SECTION	NOTES
NOTE BOOK	ALUMINUM CHECKED	NO. 2/22/50
DATE	BY	CHKD.
10/2/50	W.R.M.	W.R.M.



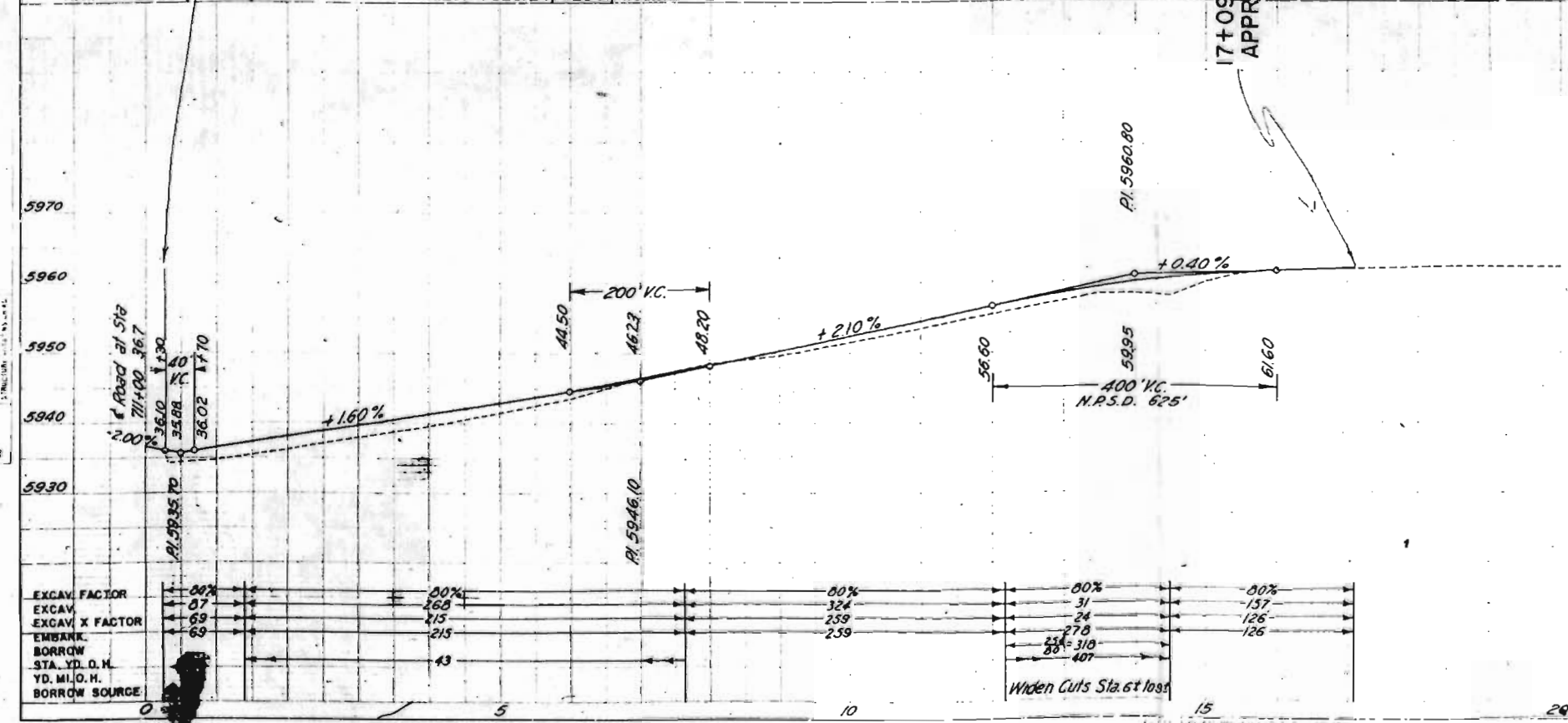
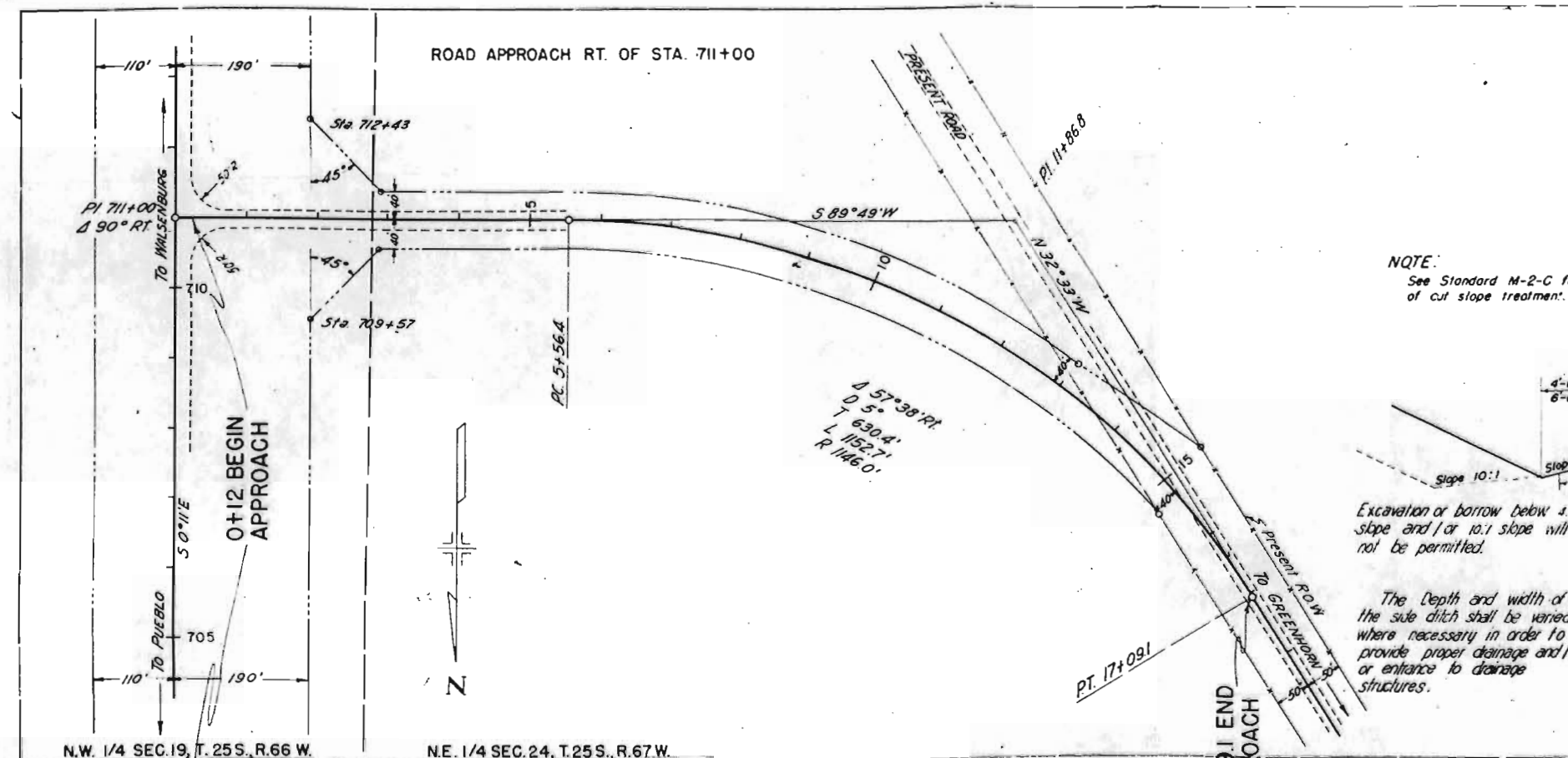
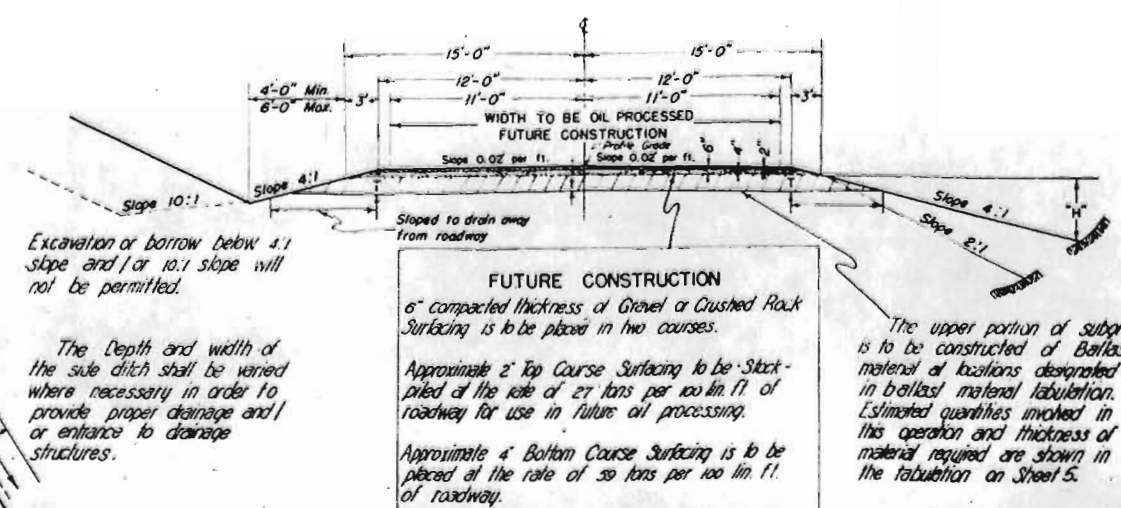
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	COLO.	FL 296 (14)	36	

Rev. 4-23-47 - W.H.M. - Appr. Rad.

TYPICAL SECTION FOR APPROACH RT. STA. 711+00

NOTE: See Standard M-2-C for details of cut slope treatment.

FILL SLOPES ON TANGENTS AND CURVES
Slope 4:1 Where "H" is 5 Ft. Or Less.
Slope 2:1 Where "H" is Over 5 Ft.



EXCAV. FACTOR	0.07	0.07	0.07	0.07	0.07
EXCAV. X FACTOR	168	215	259	270	270
EMBANK.	69	69	69	69	69
BORROW STA. Y.D. O.H.	43	43	43	43	43
BORROW SOURCE	43	43	43	43	43

Widen Cuts Sta. 61 to 107