

Fools Hall

CONVENTIONAL SIGNS

SHEET NO. 1

SKETCH MAP, TITLE PAGE AND TABULATION OF LENGTH AND DESIGN DATA.	
TYPICAL SECTIONS, GENERAL NOTES AND DETAIL OF STRUCTURE BACKFILL FOR C.B.C. STA. 797+	
SUMMARY OF APPROXIMATE QUANTITIES.	
SUB-BASE MATERIAL PLAN, SURFACING PLAN, PIT SKETCH, TABULATION OF GUARD POSTS AND R.O.W. MARKERS.	
LIST OF STRUCTURES.	
STANDARD METHODS FOR SUPERELEVATION AND WIDENING OF CURVES.	
STANDARD SIDE APPROACH ROADS, FLARING, CUT SLOPE TREATMENT & WIDENING AT BRIDGES & AT CREST OF GRADES.	M-1-C
STANDARD MARKER POSTS.	M-2-EM
STANDARD LETTERS & FIGURES FOR YEAR NUMBERS & STRUCTURE NUMBERS.	M-7-C
STANDARD TIMBER GUARD POSTS.	M-10-B
STANDARD ROADWAY CONSTRUCTION TRAFFIC SIGNS.	M-19-D
STANDARD SINGLE AND DOUBLE CONCRETE BOX CULVERTS.	M-29-A
STANDARD WINGWALLS FOR VARIOUS TYPES OF CONCRETE BOX CULVERTS.	M-50-A
STANDARD TYPES OF DITCHES AND CONSTRUCTION METHODS.	M-50-AW
ALIGNMENT PLAN AND PROFILE.	M-107-C
SUMMARY OF EARTHWORK TOTALS.	
CROSS-SECTIONS.	
CROSS-SECTIONS (ROAD APPROACH).	
CROSS-SECTIONS (CHANNEL CHANGES).	

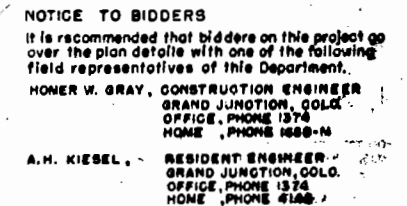
SCALES OF ORIGINAL DRAWINGS

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 } = 10,535.6 Lin. Ft. = 1.999 Miles
NET LENGTH OF PROJECT }

STATION	DESCRIPTION	ROADWAY		DOUBLE C.B.C	
		24 Ft. Width	34 Ft. Width		
		Lin. Ft.	Lin. Ft.	Lin. Ft.	Loading
734+00 Ah. = 733+46.9 Bk. 796+88.5	BEG. C18-0006-14 = F.A.P. 299-B Beg. Double C.B.C. Wells Gulch I-3-T End Double C.B.C.	6288.5	33000	230	H-20- S16-44
797+11.5 802+00 835+00 Eq. 839+55.6 Bk.= Sta. 844+42.4 Ah.	Beg. 34' Roadway End 34' Roadway END C18-0006-14 = F.A.P. 299-B	488.5 4556			
TOTALS		7232.6			
SUMMARY					
24 Ft. Roadway				Lin. Ft.	Miles
34 Ft. Roadway				7232.6	1.370
1 Double C.B.C.				33000.0	0.625
				230.0	0.004
TOTALS C18-0006-14 (NET & GROSS LENGTH)				10555.6	1.999
DESIGN DATA					
Maximum Degree of Curve					5°00'
Maximum Grade					4.5%
Minimum N.P.S.D.-Horizontal					488'
Minimum N.P.S.D.-Vertical					725'
Maximum Design Speed					60MPH



COLORADO
DEPARTMENT OF HIGHWAYS

APPROVED: _____
March 11, 1955

CHIEF ENGINEER **3-21-55**
DATE

Drafting Room

FEDERAL ROAD DIVISION NO.	DISTRICT	PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	COLORADO	C 18-0006-14	1	

Construction *Foels Hill*

CONVENTIONAL SIGNS

SHEET NO. 1. SKETCH MAP, TITLE, PAGE AND TABULATION OF LENGTH AND DESIGN DATA.

- ✓ 2. TYPICAL SECTIONS, GENERAL NOTES AND DETAIL OF STRUCTURE BACKFILL FOR G.B.C., STA. 797+.
- ✓ 3. SUMMARY OF APPROXIMATE QUANTITIES.
- ✓ 4. SUB-BASE MATERIAL PLAN, SURFACING PLAN, PIT SKETCH, TABULATION OF GUARD POSTS AND R.O.W. MARKERS.
- ✓ 5. LIST OF STRUCTURES.
- ✓ 6. STANDARD METHODS FOR SUPERELEVATION AND WIDENING OF CURVES.
- ✓ 7. STANDARD SIDE APPROACH ROADS, FLARING CUT SLOPE TREATMENT & WIDENING AT BRIDGES & AT CREST OF GRADES. M-1-G
- ✓ 8. STANDARD MARKER POSTS. M-2-EM
- ✓ 9. STANDARD LETTERS & FIGURES FOR YEAR NUMBERS & STRUCTURE NUMBERS. M-7-C
- ✓ 10. STANDARD TIMBER GUARD POSTS. M-10-B
- ✓ 11. STANDARD ROADWAY CONSTRUCTION TRAFFIC SIGNS. M-19-D
- ✓ 12. STANDARD SINGLE AND DOUBLE CONCRETE BOX CULVERTS. M-29-A
- ✓ 13. STANDARD WING WALLS FOR VARIOUS TYPES OF CONCRETE BOX CULVERTS. M-50-A
- ✓ 14. STANDARD TYPES OF DITCHES AND CONSTRUCTION METHODS. M-50-AW
- ✓ 15-19. ALIGNMENT PLAN AND PROFILE. M-107-C
- ✓ 20. SUMMARY OF EARTHWORK TOTALS.
- ✓ 21-80. CROSS-SECTIONS.
- ✓ 81-84. CROSS-SECTIONS (ROAD APPROACH).
- ✓ 85-89. CROSS-SECTIONS (CHANNEL CHANGES).

CENTER LINE

RIGHT OF WAY LINE

COUNTY LINE

TOWNSHIP OR RANGE LINE

LAND LINES

RAILROAD

BARBED WIRE FENCE

COMBINATION WIRE FENCE

SNOW FENCE

TELEPHONE & TELEGRAPH LINES

POWER LINE

DETOUR

PRESENT ROAD (Plan Sheets)

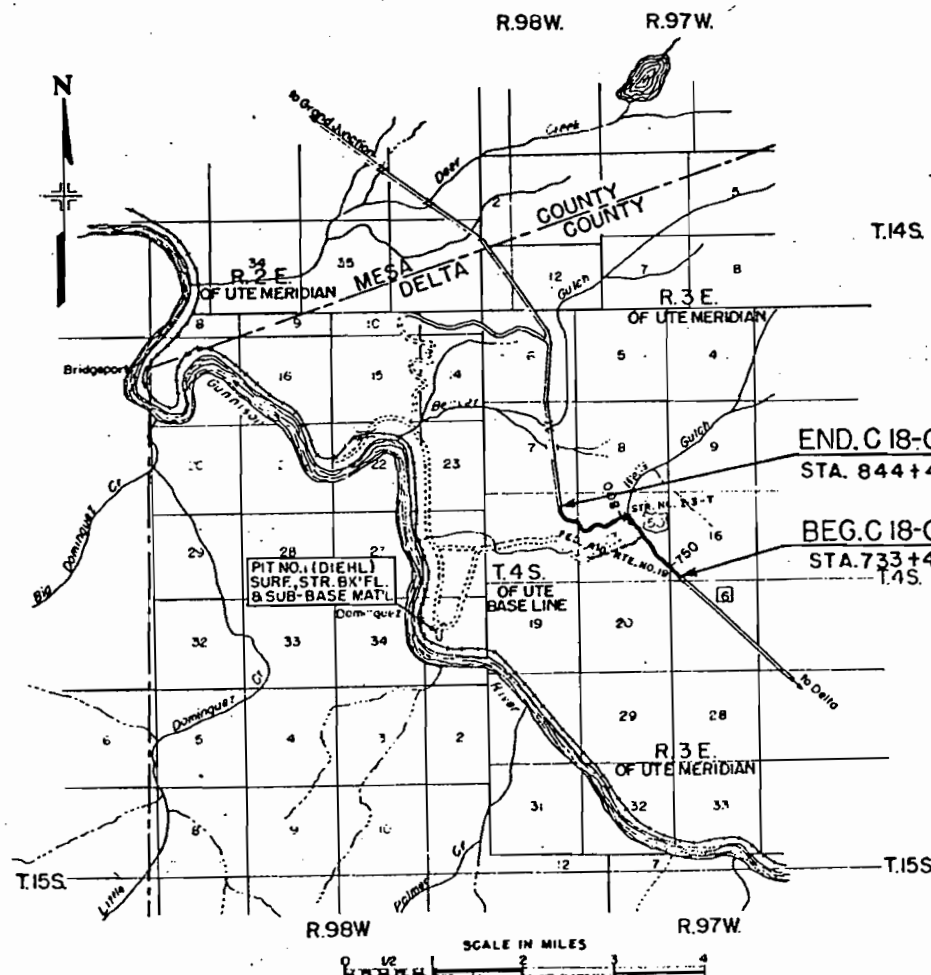
ON PLAN, 1 IN. = 100 FT.
ON PROFILE, 1 IN. = 100 FT. HORIZONTAL
1 IN. = 10 FT. VERTICAL

GRADE LINE ON PROFILE IS SHOWN AS GRADE OF FINISHED ROAD

GROSS LENGTH OF PROJECT = 10,555.6 Lin. Ft. = 1.999 Miles

NET LENGTH OF PROJECT

STATION	DESCRIPTION	ROADWAY		DOUBLE C.B.C	
		24 Ft. Width	34 Ft. Width	Lin.Ft.	Loading
		Lin.Ft.	Lin.Ft.		
734+00 Ah. = 733+46.9 Bk. 796+88.5	BEG. C 18-0006-14 = F.A.P. 299-B Beg. Double C.B.C. Wells Gulch I-3-T End Double C.B.C.	6288.5	3300.0	23.0	H-20-S16-44
797+11.5 802+00 835+00	Beg. 34' Roadway End 34' Roadway	488.5			
Eq. 839+55.6 Bk. Sta. 844+42.4 Ah.	END C 18-0006-14 = F.A.P. 299-B	455.6			
TOTALS		7232.6	3300.0	23.0	
SUMMARY					
24 Ft. Roadway				Lin.Ft.	Miles
34 Ft. Roadway				7232.6	1.370
1 Double C.B.C.				3300.0	0.625
				23.0	0.004
TOTALS C 18-0006-14 (NET & GROSS LENGTH)				10555.6	1.999
DESIGN DATA					
Maximum Degree of Curve					5°00'
Maximum Grade					4.5%
Minimum N.P.S.D.-Horizontal					488'
Minimum N.P.S.D.-Vertical					725'
Maximum Design Speed					60MPH



HOMER W. GRAY, CONSTRUCTION ENGINEER
GRAND JUNCTION, COLO.
OFFICE, PHONE 1374
HOME, PHONE 1680-N

A.H. KIESEL, RESIDENT ENGINEER
GRAND JUNCTION, COLO.
OFFICE, PHONE 1374
HOME, PHONE 4148

COLORADO
DEPARTMENT OF HIGHWAYS

APPROVED: _____
J. H. ...
 CHIEF ENGINEER DATE 9-21-32

FILE #	LOC + CASE	DOC. COUNT	PAGE	ADD'L PAGE
0-3	40-1	1	1	19

It is estimated that material for Gravel Surfacing and Sub-Base for the project is available in the vicinity of the pit indicated in the following tabulations. Estimated quantities involved in this operation are shown below.

Alteration of the Surfacing and Sub-Base Plans as here outlined will be allowed only on written permission from the Department.

FEDERAL ROAD DISTRICT NO.	DISTRICT	PROJ. NO.	SHEET NO.	TOTAL SHEETS
8	COLORADO	C 18-0006-14	4	

SUB-BASE MATERIAL PLAN

MATERIAL TO BE PLACED	SOURCE	QUANTITY		TON MILE OVERHAUL
		THICKNESS	CLASS "I" TONS	
734+00 to 777+50	PIT NO. 1	16"	17,531	65,952
777+50 to 802+00	L.M. DIEHL	16"	9,874	35,369
835+00 to 839+55.68	R-77+	16"	1,836	8,229
EST. FOR IRREGULARITIES FOR TRANSITIONS			2,924	10,955
			267	1,001
TOTALS (24' ROADWAY)			32,432	121,506
802+00 to 835+00		16"	15,081	62,240
EST. FOR IRREGULARITIES			1,509	6,224
TOTALS (34' ROADWAY)			16,590	68,464

*Based on Curve "E" & Field recommendations.

SURFACING PLAN

MATERIAL TO BE PLACED	SOURCE	QUANTITY-TONS USED GRADING "C"		TON MILE OVERHAUL	
		STOCKPILED SURFACING	BASE COURSE	STOCKPILED SURFACING	BASE COURSE
734+00 to 777+50	PIT NO. 1	1,566	3,132		11,783
777+50 to 802+00	L.M. DIEHL	882	1,764		6,319
835+00 to 839+55.68	R-79	164	328		1,470
APPR. LT. STA. 777+			1,056		3,224
APPR. TO PROJECT TRANSITIONS		36	72		313
EST. FOR LOSS IN STOCKPILING		60	89		368
		271			
TOTALS (24' ROADWAY)		2,979	6,441	10,120	23,477
802+00 to 835+00		1,485	2,937		12,121
EST. FOR LOSS IN STOCKPILING		149			
TOTALS (34' ROADWAY)		1,634	2,937	5,551	12,121

*R-Value for Base Course only.

*Surfacing (Aggregate) for Plant Mix & Shoulder Area is to be stockpiled Lt. of Sta 780+00.

TIMBER GUARD POSTS

STATIONS	SIDE	SPACING	NO. POSTS EACH
745+50 - 748+00	LI.	50'	6
747+71	RI.	Culvert	1
753+00	RI. & LI.	Culvert	2
757+00	RI. & LI.	Culvert	2
761+00	RI. & LI.	Culvert	2
767+49	RI. & LI.	Culvert	2
777+00	RI.	Culvert	1
788+50	RI. & LI.	Culvert	2
793+50 - 800+50	RI.	50'	15
795+50 - 802+00	LI.	50'	12
802+00	RI.	Culvert	1
808+00	RI.	Culvert	1
808+00 - 812+00	LI.	50'	9
817+50	RI. & LI.	Culvert	2
818+00 - 823+50	LI.	50'	12
823+50	RI.	Culvert	1
831+00	RI. & LI.	Culvert	2
831+50 - 834+00	LI.	50'	6
TOTAL 24' ROADWAY			45
TOTAL 34' ROADWAY			34

R.O.W. MARKERS

STATIONS	SIDE	NO. POSTS EACH
741+96.6	RI.	1
758+73.3	LI.	1
770+00	RI.	1
781+85.6	LI.	1
800+39.6	RI.	1
820+00	RI.	1
834+94.2	LI.	1
TOTAL 24' ROADWAY		5
TOTAL 34' ROADWAY		2

SUB-BASE, STR. BACKFILL & SURFACING PIT NO. 1

T. 14 S., R. 98 W.

Owner: SW 1/4 NW 1/4, Sec. 35 - SE 1/4 NW 1/4, Sec. 35
LEILA M. DIEHL
1220 Connell Ave.
Grand Junction,
Colorado.
Quantity Available
75,000 Cu. Yds.

Required 5,000
Cu. Yds. for
Stripping

Lot 5, Sec. 35

Lot 6, Sec. 35

GUNNISON RIVER

Route of Haul
3.35 Miles to Sta. 777+50

LOG OF PIT
FORM 158 SAMPLE No. 629

Test Hole	Depth	Description
1	0'-2'	O.B. Sample
1-A	2'-8"	Sand & Gravel Sample
2	0'-2'	O.B. Similar to No. 1
2-A	2'-8"	Sand & Gravel Sim. No. 1-A
3	0'-2.5'	O.B. No Sample
3-A	2.5'-8"	Sand & Gravel Sample
4	0'-8"	Sand & Gravel Sample
5	0'-5"	Sand No Sample
6	0'-8"	Sand & Gravel Sample
7	0'-2.5'	O.B. Sample
7-A	2.5'-8"	Sand & Gravel No Sample
8	0'-8"	O.B. No Sample
8-A	8"	Sand & Gravel No Sample

No. 1 & 2 to be used for Sub-Base Only
O.B. Material to come from No. 3, 4, & 5

FILE #	LOG CASE	SHEET COUNT	ADD'L PAGE
03	401	1	4

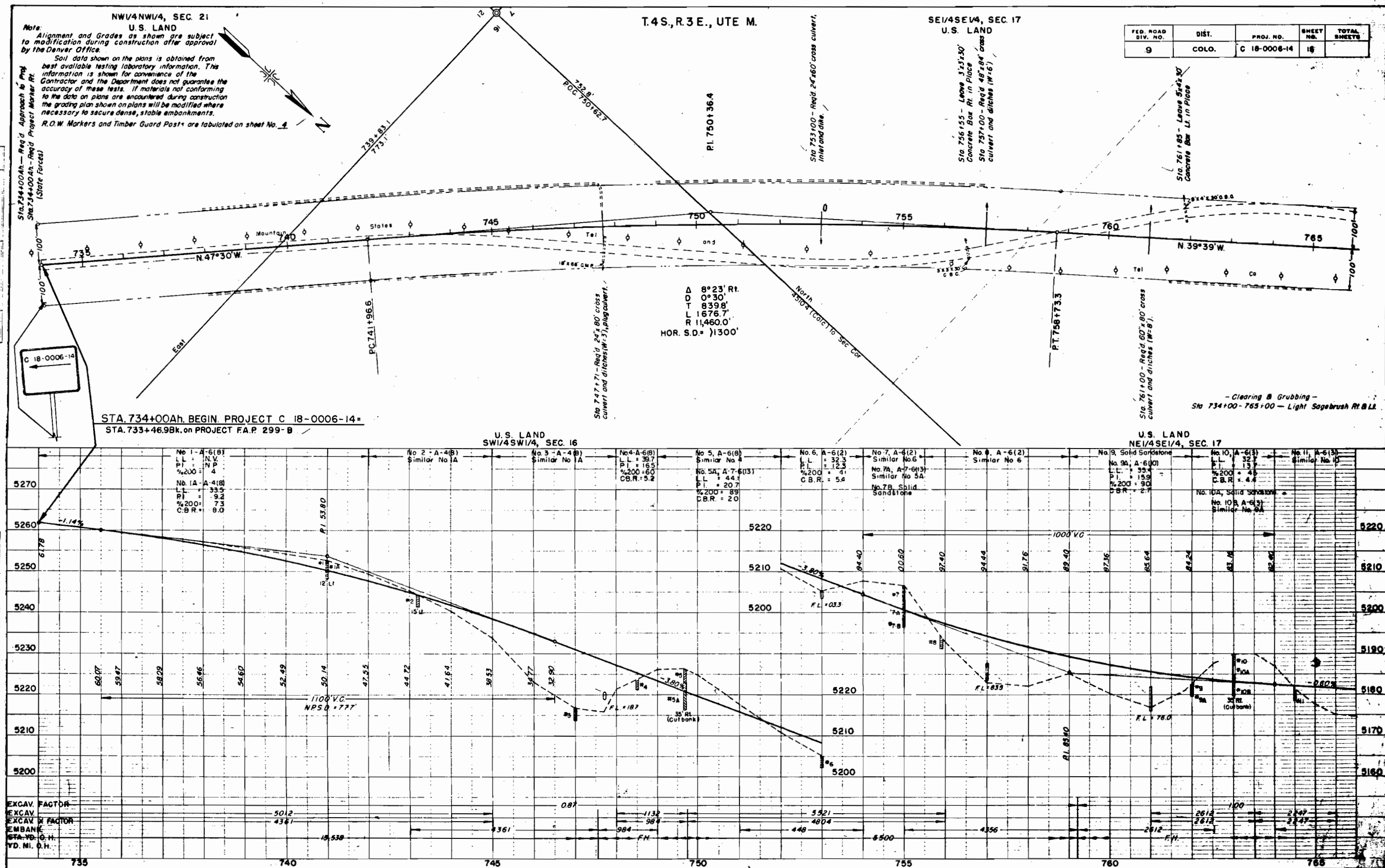
U.S. LAND

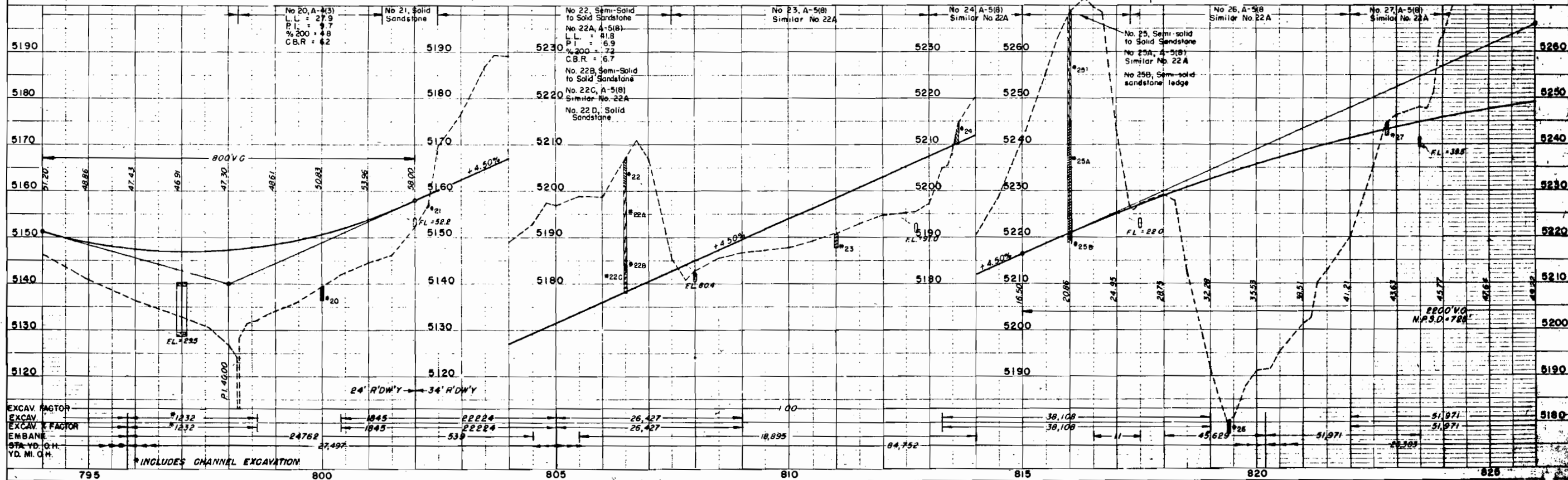
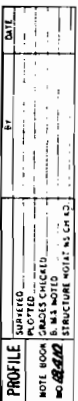
R.O.W. Markers and Timber Guard Posts are tabulated on sheet No. 4

14+00 Ah. - Req
4+00 Ah. - Req

DATE	BY	PROFILE
		SURVEYED PAINTED NOTES RECORDED CHARGES CHARGED P. 43 NOTED ALSO TONE SHOULD BE NOTED

FED. ROAD DIV. NO.	DIST.	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	C 18-0006-14	18	



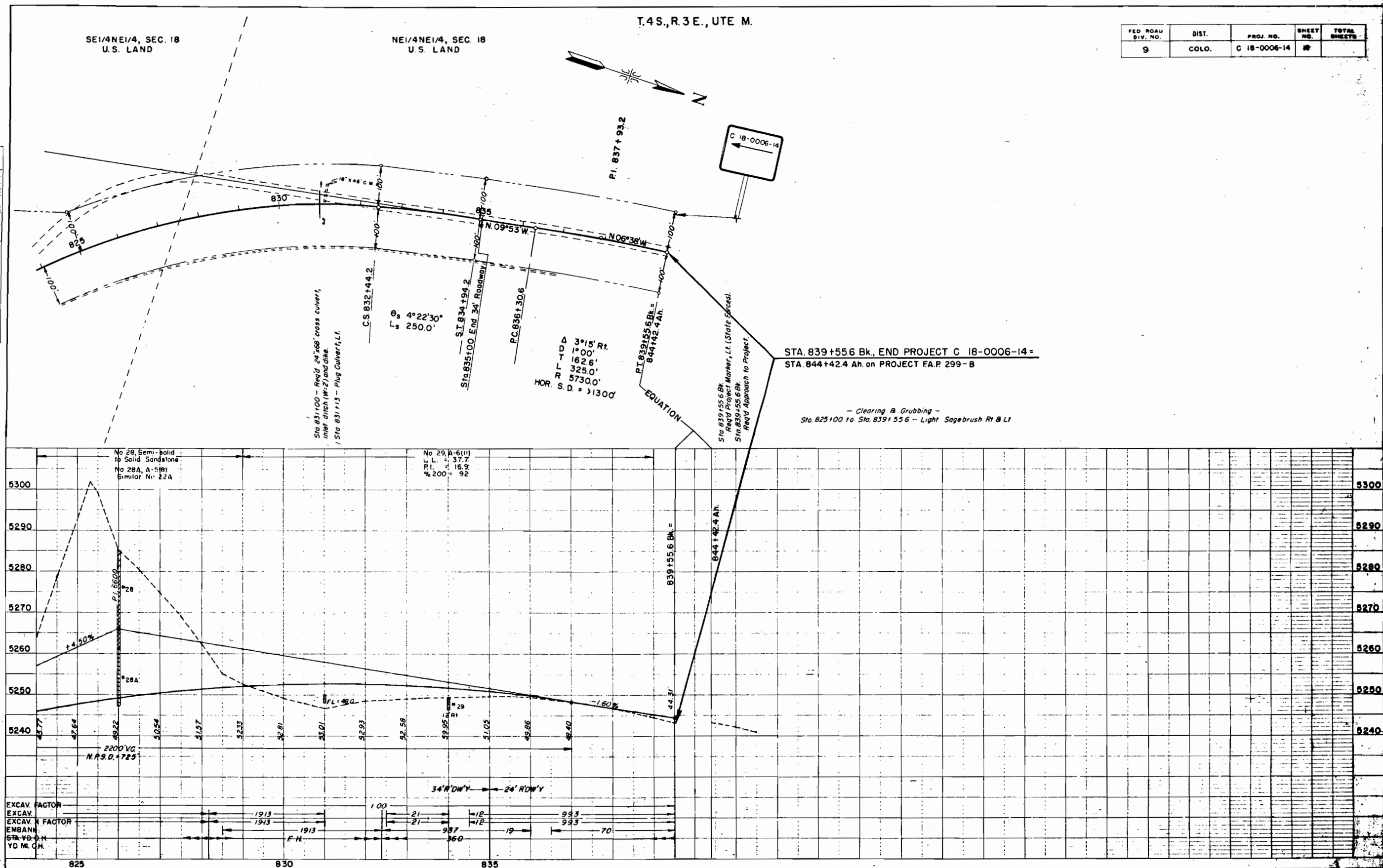


PLAN	BY	DATE
SURVEYED		
PLOTTED		
ALIGNMENT CHECKED		
N. OF WAY CHECKED		

PROFILE	BY	DATE
SURFIED		
PLOTTED		
GRADES CHECKED		
B M NOTED		
STRUCTURE NOTED AS CHECKED		

T. 4 S., R. 3 E., UTE M.

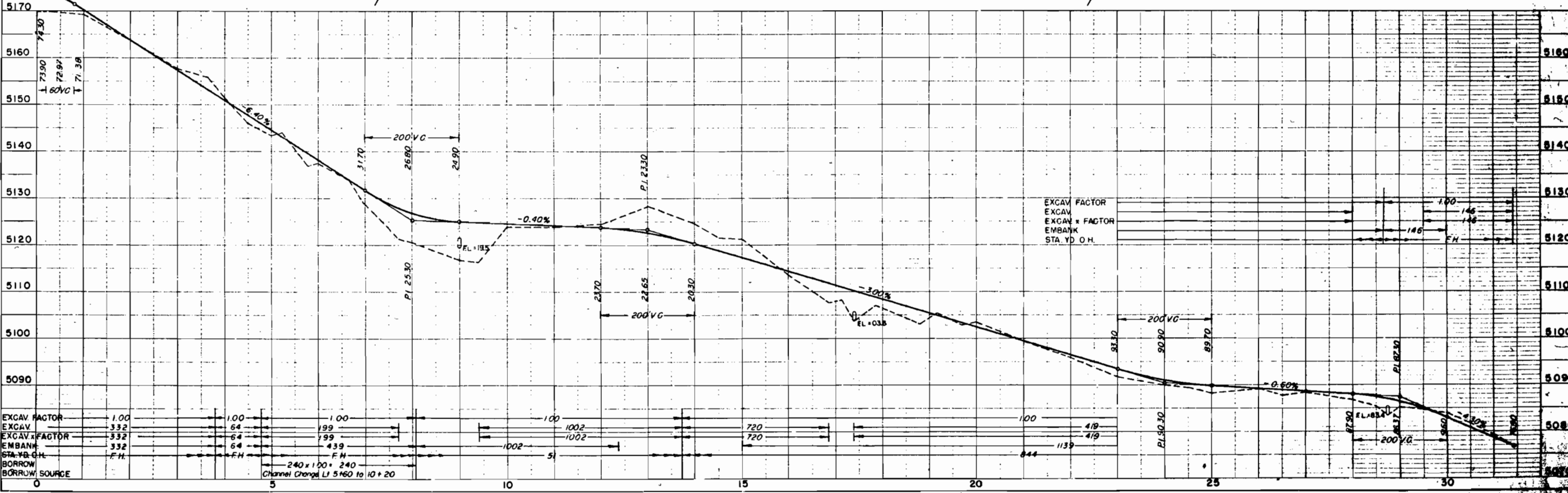
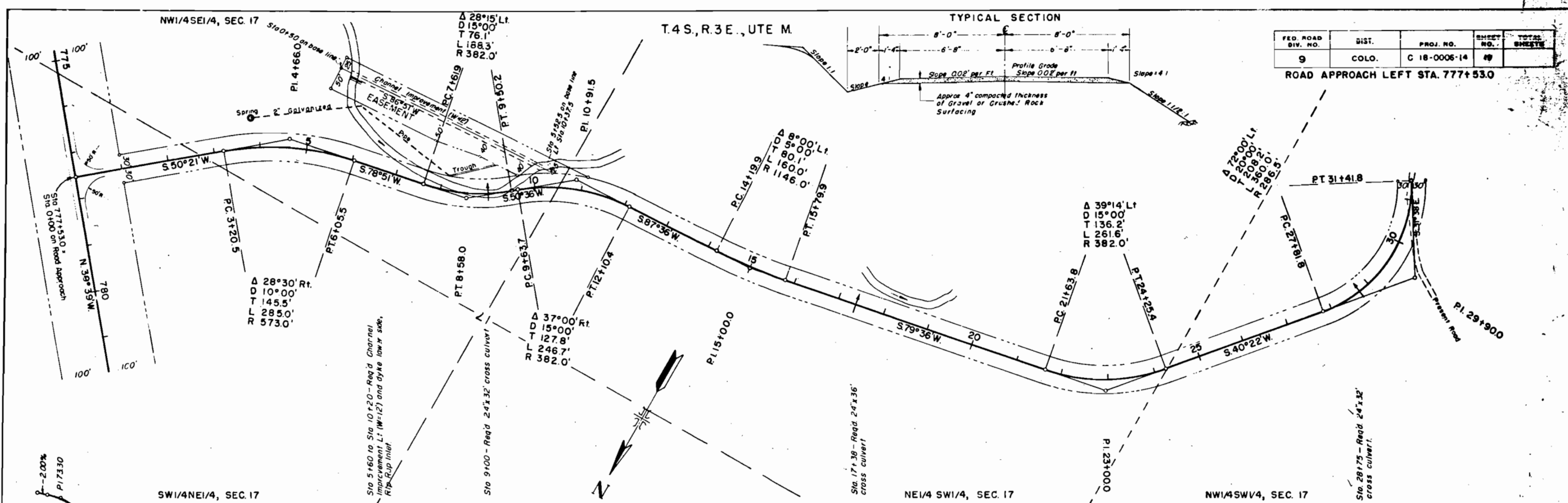
FED. ROAD DIV. NO.	DIST.	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	C 18-0006-14	18	



PAGE - FIVE-FOUR SIX - P O U N D STAMPS

446-24-46 346-C

PLAN	SUPPLIED	BY	DATE
NOTE BOOK	PURCHASED		
NO. 100000	ALLIANCE CHICAGO		
	AT 1 MAY CHICAGO		



COLORADO DEPARTMENT OF HIGHWAYS
PROJECT C 18-0006-14

RIGHT OF WAY MAP
DELTA COUNTY
T.4S, R.3E, UTE M
Scale 1" = 400'

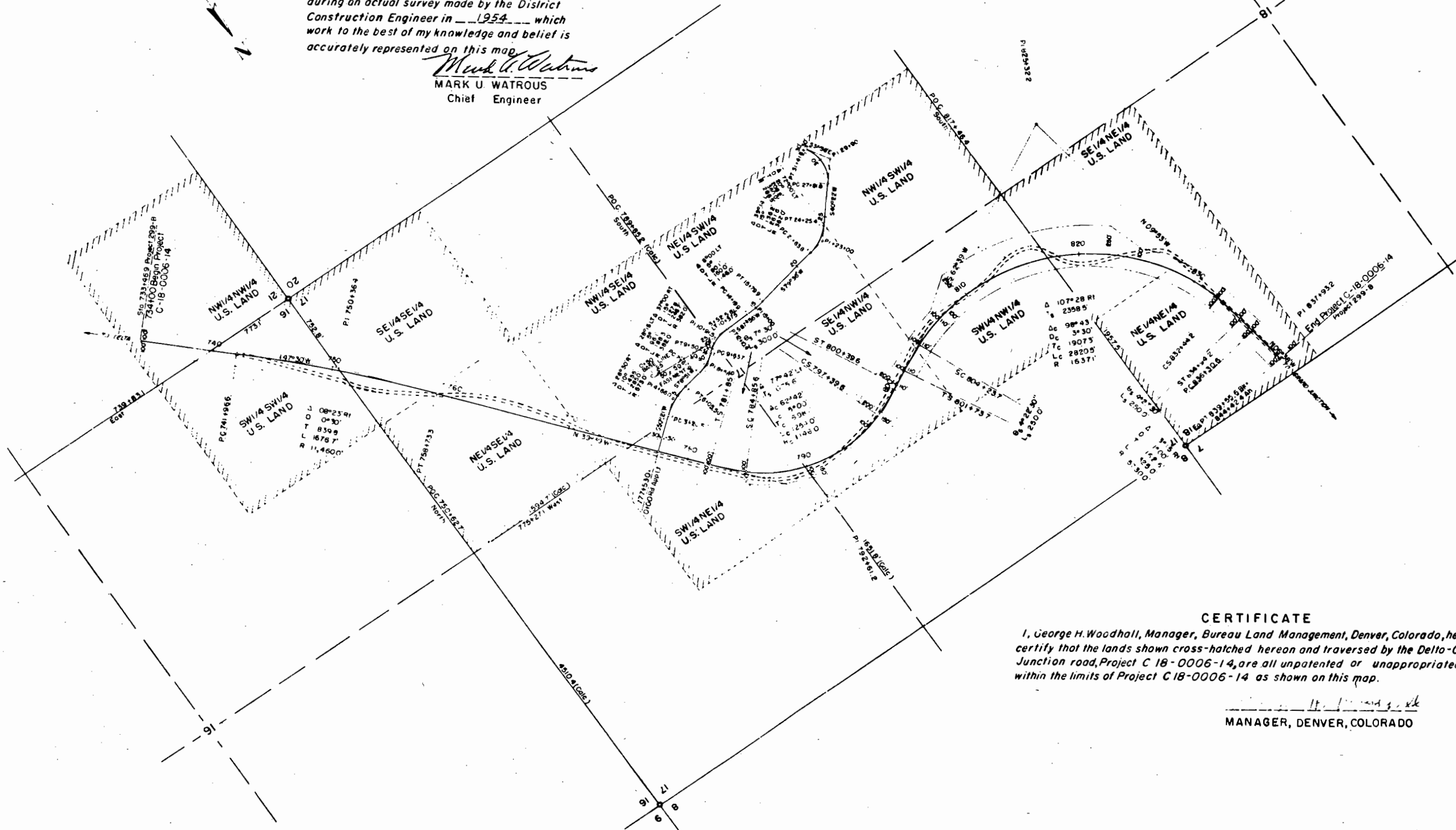
FEDERAL ROAD DIVISION NO.	DISTRICT	PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	COLORADO	C 18-0006-14	1	1

SERIAL NO. 010477

CERTIFICATE OF CHIEF ENGINEER
COLORADO

DEPARTMENT OF HIGHWAYS
I, Mark U. Watrous, Denver, Colorado, hereby
certify that this map was made from notes taken
during an actual survey made by the District
Construction Engineer in 1954 which
work to the best of my knowledge and belief is
accurately represented on this map.

Mark U. Watrous
MARK U. WATROUS
Chief Engineer



CERTIFICATE

I, George H. Woodhall, Manager, Bureau Land Management, Denver, Colorado, hereby
certify that the lands shown cross-hatched hereon and traversed by the Delta-Grand
Junction road, Project C 18-0006-14, are all unpatented or unappropriated lands
within the limits of Project C 18-0006-14 as shown on this map.

George H. Woodhall
MANAGER, DENVER, COLORADO

COLORADO DEPARTMENT OF HIGHWAYS
 PROJECT C 18-0006-14
 R.O.W. OWNERSHIP MAP
 DELTA COUNTY
 T.4S, R.3E., UTE M.
 Scale: 1" = 400'

FEDERAL ROAD DIVISION NO.	DISTRICT	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLORADO	C 18-0006-14	6	

