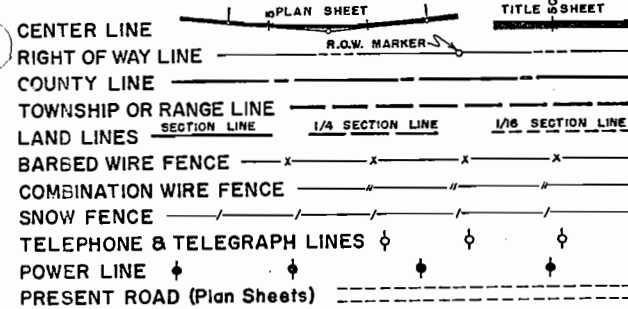


CONVENTIONAL SIGNS



COLORADO DEPARTMENT OF HIGHWAYS

PLAN AND PROFILE OF PROPOSED FEDERAL AID PROJECT NO. S 0121 (14) STATE HIGHWAY NO. 131 ROUTT AND EAGLE COUNTIES

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 28,603.7 FEET = 5.417 MILES
NET LENGTH OF PROJECT 28,510.1 FEET = 5.399 MILES

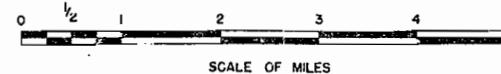
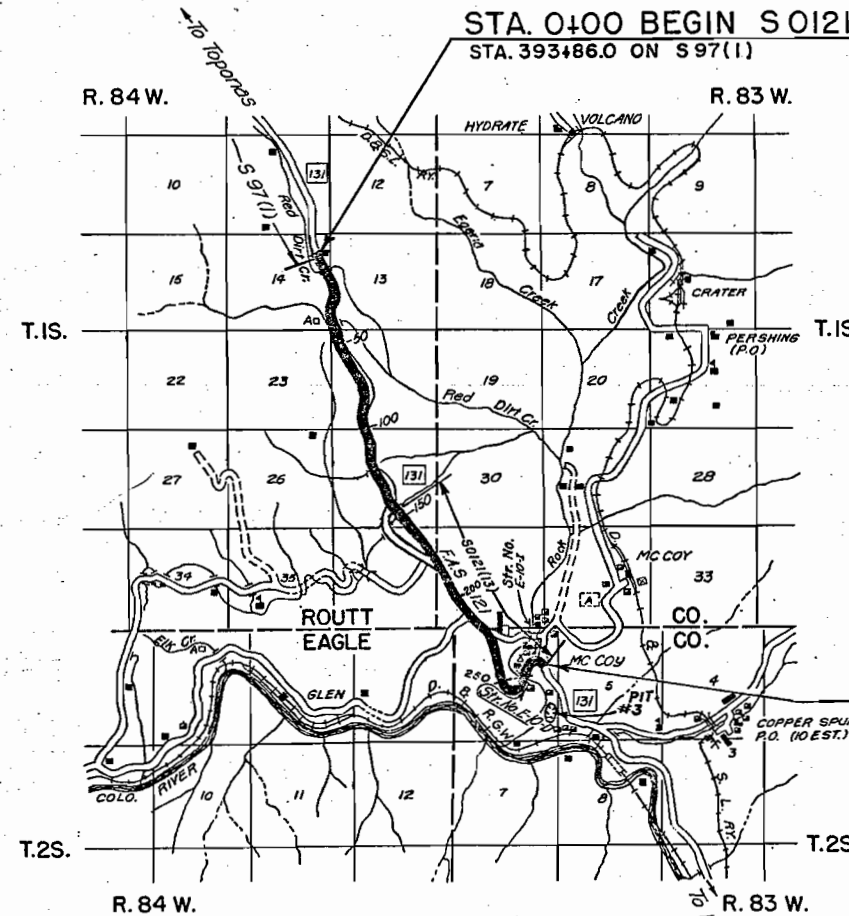
FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLORADO	S 0121 (14)	1	

R.O.W. Obtained Under S 0121 (13)

- SHEET NO. 1 SKETCH MAP TITLE PAGE AND TABULATION OF LENGTH & DESIGN DATA
2 TYPICAL SECTION, GENERAL NOTES AND SUMMARY OF APPROXIMATE QUANTITIES
3 LIST OF STRUCTURES
4 FENCING REQUIREMENTS, R.O.W. MARKERS, SUB-BASE & SURFACING PLANS AND TIMBER GUARD POSTS
5 PIT LOCATION
6 DETAILS AND LAYOUT OF 96" MULTIPLE PLATE CULVERT, STA. 21+05 AND DETAILS OF RIPRAP
7 STANDARD METHODS FOR SUPERELEVATION & WIDENING OF CURVES (CROWNED HIGHWAYS)
8 STANDARD SIDE APPROACH ROADS, FLARING, CUT SLOPE TREATMENT & WIDENING AT BRIDGES AND AT CREST OF GRADES
9 STANDARD MARKER POSTS AND BENCH MARKS
10 STANDARD TIMBER GUARD POSTS
11 STANDARD WIRE FENCE WITH WOODEN POSTS
12-13 STANDARD ROADWAY CONSTRUCTION TRAFFIC SIGNS
14 STANDARD METHODS OF BACKFILL AROUND STRUCTURES
15 STANDARD HEADWALLS AND APRONS FOR C.M.P. CULVERTS
16 STANDARD TYPES OF DITCHES AND CONSTRUCTION METHODS
17 STANDARD MULTIPLE PLATE CULVERT DETAILS
18-22 ALIGNMENT PLAN AND PROFILE
23 SUMMARY OF EARTHWORK QUANTITIES
24-86 CROSS SECTIONS
22a SUMMARY OF SOIL PROFILE TESTS

TABULATION OF LENGTH AND DESIGN DATA

STATION	ROADWAY (NO WORK SECTION)		
	LIN. FT.	LIN. FT.	LOADING
0+00-BEGIN S 0121(14) STA. 394+32.9 ON S 97(1)			
12+26.4 Bk. } EQUA. 12+27.0 Ah. }	1,226.4		
52+63.5 Bk. } EQUA. 52+64.1 Ah. }	4,036.5		
85+12.7 Bk. } EQUA. 85+20.9 Ah. }	3,248.6		
101+89.8 Bk. } EQUA. 101+90.8 Ah. }	1,668.9		
112+01.2 Bk. } EQUA. 111+86.1 Ah. }	1,010.4		
136+67.6 Bk. } EQUA. 136+68.6 Ah. }	2,481.5		
145+88.0-BEG. S 0121(13)	919.4		
221+75.0-COUNTY LINE	7,587.0		
276+20.0 } BRIDGE Rock Creek } 277+13.6 } STR. NO. E-10-D	5,445.0	93.6	H-20
286+00-END S 0121(14)- END S 0121(13)	886.4		
TOTALS	28,510.1	93.6	
SUMMARY	LIN. FT.	MILES	
ROADWAY (NET LENGTH)	28,510.1	5.399	
NO WORK SECTION	93.6	0.018	
TOTALS (GROSS LENGTH)	28,603.7	5.417	
DESIGN DATA			
Maximum Degree of Curve	18°00'		
Maximum Grade	7.002%		
Minimum N.P.S.D. Horizontal	300'		
Minimum N.P.S.D. Vertical	425'		
Maximum Design Speed	35 M.P.H.		



SEE SPECIAL PROVISIONS FOR
NOTICE TO BIDDERS

COLORADO
DEPARTMENT OF HIGHWAYS

APPROVED: *Mark A. Watkins* 1-6-60
CHIEF ENGINEER DATE

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS

APPROVED: _____ DATE _____
DIVISION ENGINEER

R. S. M.

FENCING REQUIREMENTS

STATION	SIDE	REMOVE	BUILD	GATES	
		LIN. FT.	B.W. FENCE LIN. FT.	B.W.	
99+15 to 120+60	Lt.	2,210			
94+90 to 99+15	Rt.	460			
120+60 to 123+10	Rt.	260			
6+80	X	103			
34+40	X	260			
103+50	X	105			
140+70	X	150			
130+70	X	360			
6+75 to 35+50	Lt.		2960		
6+90 to 33+40	Rt.		2,650		
94+90 to 142+10	Rt.		4,845		
6+90	Rt.			*1	
27+50	Lt. & Rt.			2	
103+80	Rt.			1	
112+50	Rt.			1	
118+50	Rt.			1	
137+00	Rt.			1	
143+00	Rt.			*1	
TOTALS		3,908	10,455	8	

* To Field from Approach to Highway

TIMBER GUARD POSTS

STATION	SIDE	SPACING	NO.
2+55 to 12+98	Rt.	8' Curve	11
4+50	Lt.	Culvert	1
10+00	Lt.	"	1
15+50	Rt. & Lt.	"	2
17+29.5 to 22+70.4	Rt. & Lt.	8' Curve	34
23+18	Lt.	Culvert	1
27+70 to 33+30	Rt. & Lt.	6' Curve	26
43+00 to 44+00	Rt. & Lt.	100'	4
57+05	Rt. & Lt.	Culvert	2
63+00	"	"	2
65+74	"	"	2
70+46	Lt.	"	1
70+68 to 72+68	Rt.	200'	2
74+68 to 85+67	Rt. & Lt.	8'30" Curve	48
86+00	Lt.	Culvert	1
92+80	Lt.	"	1
104+94	Rt.	"	1
89+12 to 102+69	Rt.	6' Curve	23
102+96 to 114+14	Lt.	2'30" Curve	13
120+00	Rt. & Lt.	Culvert	2
125+00	Rt. & Lt.	"	2
124+08 to 137+40	Rt.	4' Curve	18
221+00 to 225+00	Rt. & Lt.	100'	10
234+60 to 240+20	Lt.	7' Curve	17
242+00 to 247+00	Rt.	100'	6
260+50 to 269+50	Rt. & Lt.	25'	74
277+50 to 281+02	Lt.	18' Curve	17
TOTAL			322

R.O.W. MARKERS

STATION	SIDE	NO.
12+26.4 Bk.	Lt. & Rt.	2
25+74.7	Lt. & Rt.	2
34+19.2	Lt. & Rt.	2
52+63.5 Bk.	Lt. & Rt.	2
73+22.3	Lt. & Rt.	2
85+12.7 Bk.	Lt. & Rt.	2
103+24.2	Lt. & Rt.	2
112+01.2 Bk.	Lt. & Rt.	2
124+79.3	Lt. & Rt.	2
136+67.6 Bk.	Lt. & Rt.	2
TOTAL		20

It is estimated that materials for Sub-Base and Gravel Surfacing for the project are available in the vicinity of the pit indicated in the following tabulations. Estimated quantities involved in these operations are shown below. Alterations of the plans as here outlined will be allowed only on written permission from the Department.

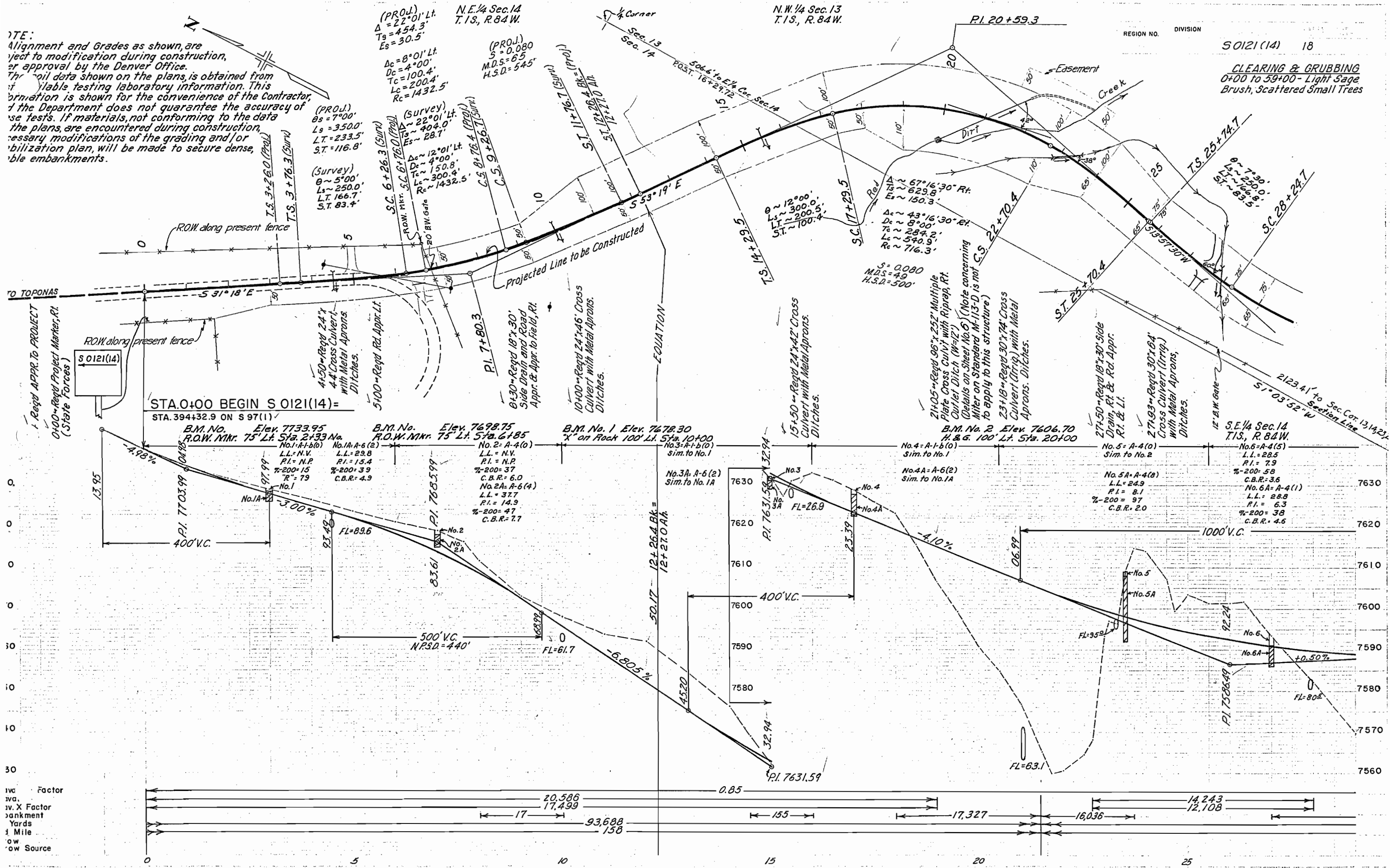
SUB-BASE MATERIAL TABULATION

MATERIAL TO BE PLACED	SOURCE	QUANTITY AND THICKNESS			OVERHAUL TON MILES
		AVAIL.	CLASS 2 THICKNESS INCHES	TONS USED	
0+00 to 21+00	PIT # 3	40,000	7"	1,994	12,592
21+00 to 52+50	5,788 ft. to Sta. 286+00	Cu. Yds.	15"	8,190	47,648
52+50 to 66+50	R=76+		7"	1,330	7,165
66+50 to 79+00			15"	3,250	16,631
79+00 to 85+12.7 Bk.			7"	582	2,876
85+20.9 Ah. to 101+89.8 Bk.			7"	1,585	7,519
101+90.8 Ah. to 112+01.2 Bk.			7"	960	4,310
111+86.1 Ah. to 143+00			7"	2,958	12,126
143+00 to 145+88			12"	648	2,448
145+88 to 153+00			12"	1,602	5,899
153+00 to 276+20			7"	11,704	28,657
276+20 to 277+13.6 (Bridge)			7"	842	994
277+13.6 to 286+00					
ESTIMATED FOR:					
Approaches to Project				191	468
Curve Widening				976	3,839
Crest Widening				578	2,845
Bridge Widening				23	28
Irregularities in Subgrade				3,741	15,605
TOTALS				41,154	171,650

SURFACING PLAN

MATERIAL TO BE PLACED	SOURCE	AVAIL.	QUANTITY		OVERHAUL	
			PLANT MIXED ASPHALTIC SURFACING	TONS USED BASE COURSE GRADING "C"	PLANT MIXED ASPH. SURF.	BASE COURSE
0+00 to 52+63.5 Bk.	PIT # 3	40,000		3,421		20,578
52+64.1 Ah. to 85+12.7 Bk.	5,788 ft. to Sta. 286+00	Cu. Yds.		2,112		11,002
85+20.9 Ah. to 101+89.8 Bk.	R=81+			1,085		5,147
101+90.8 Ah. to 112+01.2 Bk.				657		2,950
111+86.1 Ah. to 136+67.6 Bk.				1,613		6,709
136+68.6 Ah. to 145+88				598		2,295
145+88 to 276+20				8,471		21,312
276+20 to 277+13.6 (Bridge)						
277+13.6 to 286+00				576		680
ESTIMATED FOR:						
Road Approaches Former S.O.I.Z.I.(13)				200		763
Approaches to Project				131		321
From List of Structures				307		1,170
Curve Widening				352		1,905
Bridge Widening				17		21
TOTALS				19,740		74,853

NOTE: Alignment and Grades as shown, are subject to modification during construction, or approval by the Denver Office. The soil data shown on the plans, is obtained from available testing laboratory information. This information is shown for the convenience of the Contractor, and the Department does not guarantee the accuracy of the tests. If materials, not conforming to the data on the plans, are encountered during construction, necessary modifications of the grading and/or stabilization plan, will be made to secure dense, stable embankments.

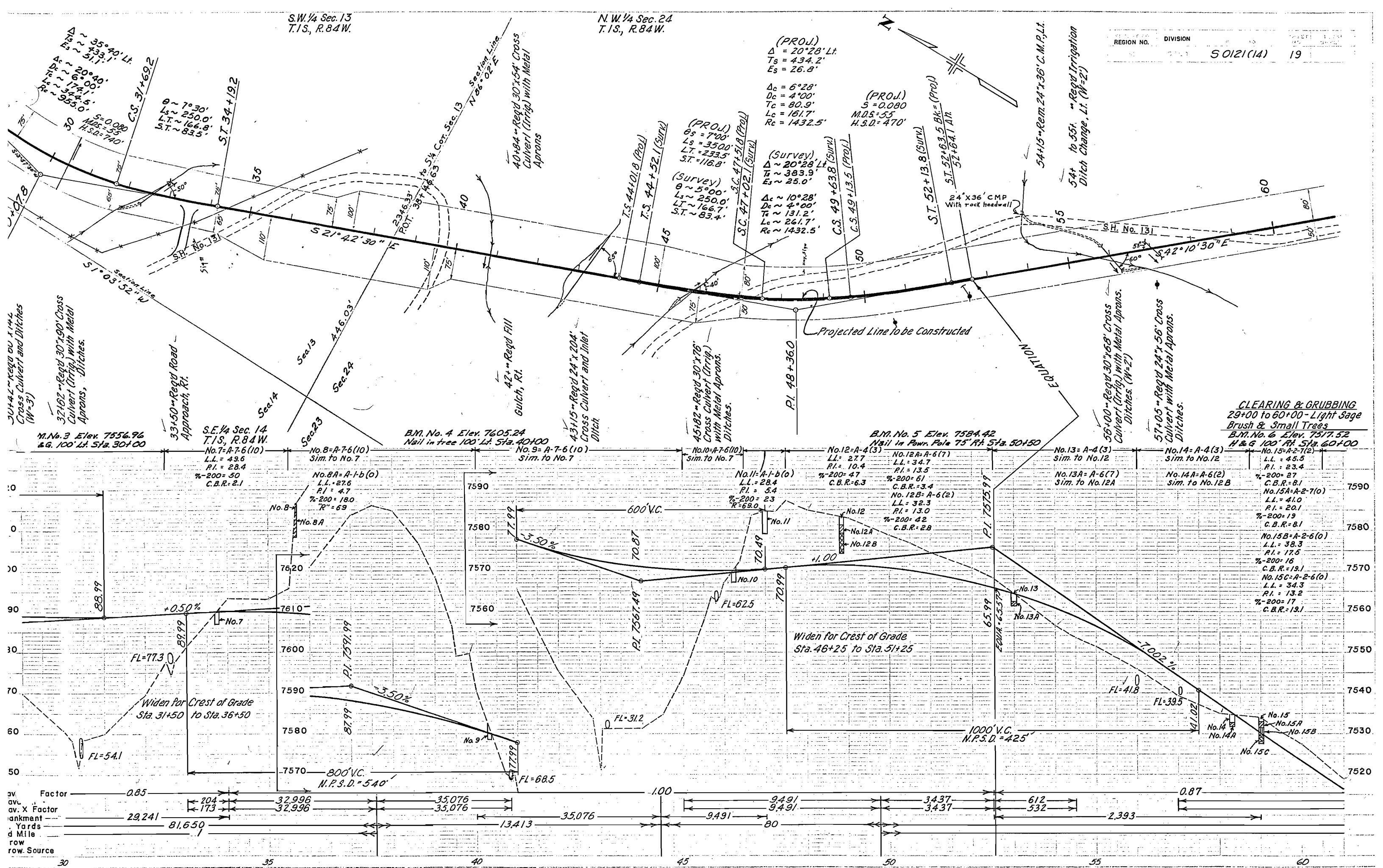


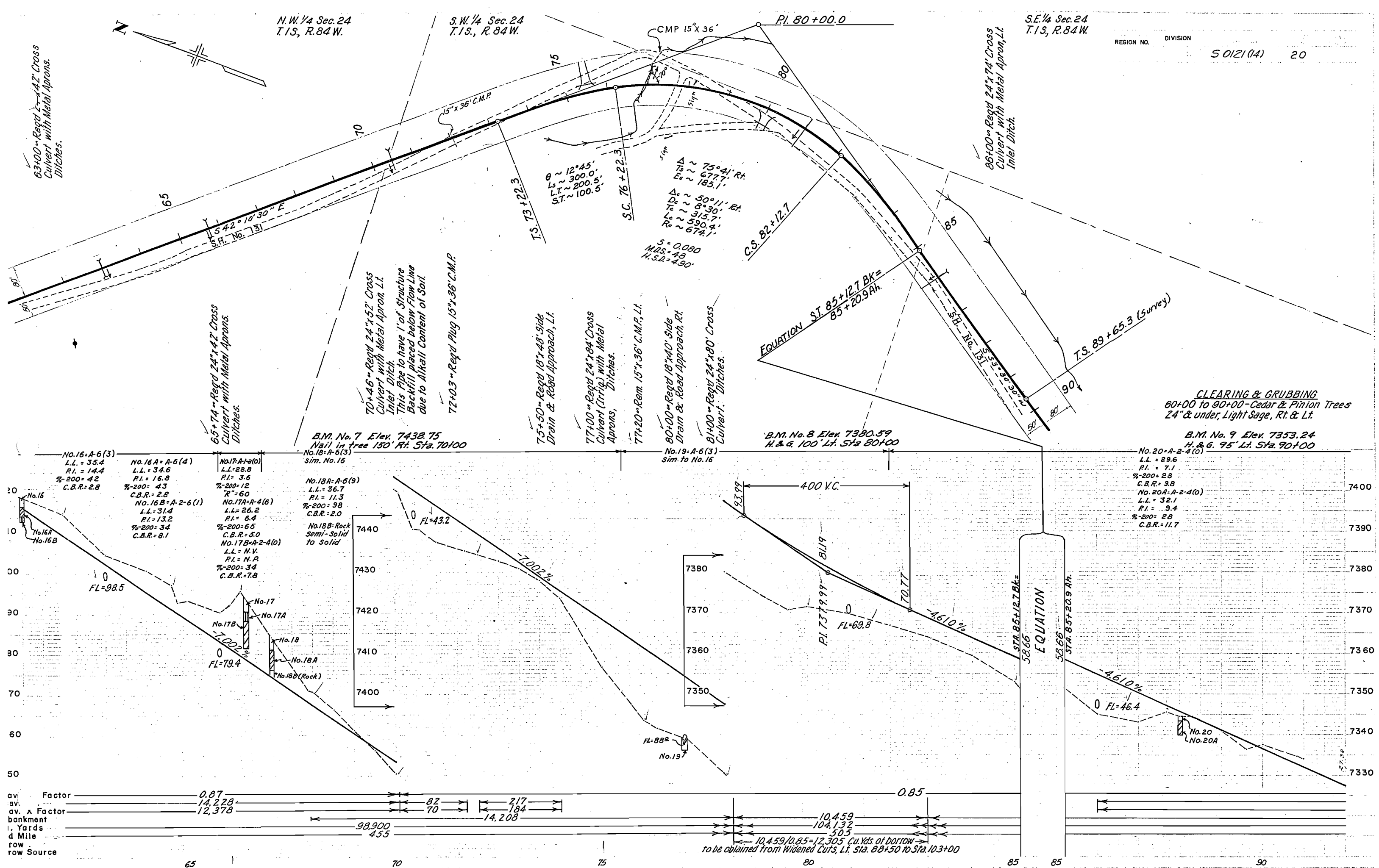
SO121(14) 18
CLEARING & GRUBBING
0+00 to 59+00 - Light Sage
Brush, Scattered Small Trees

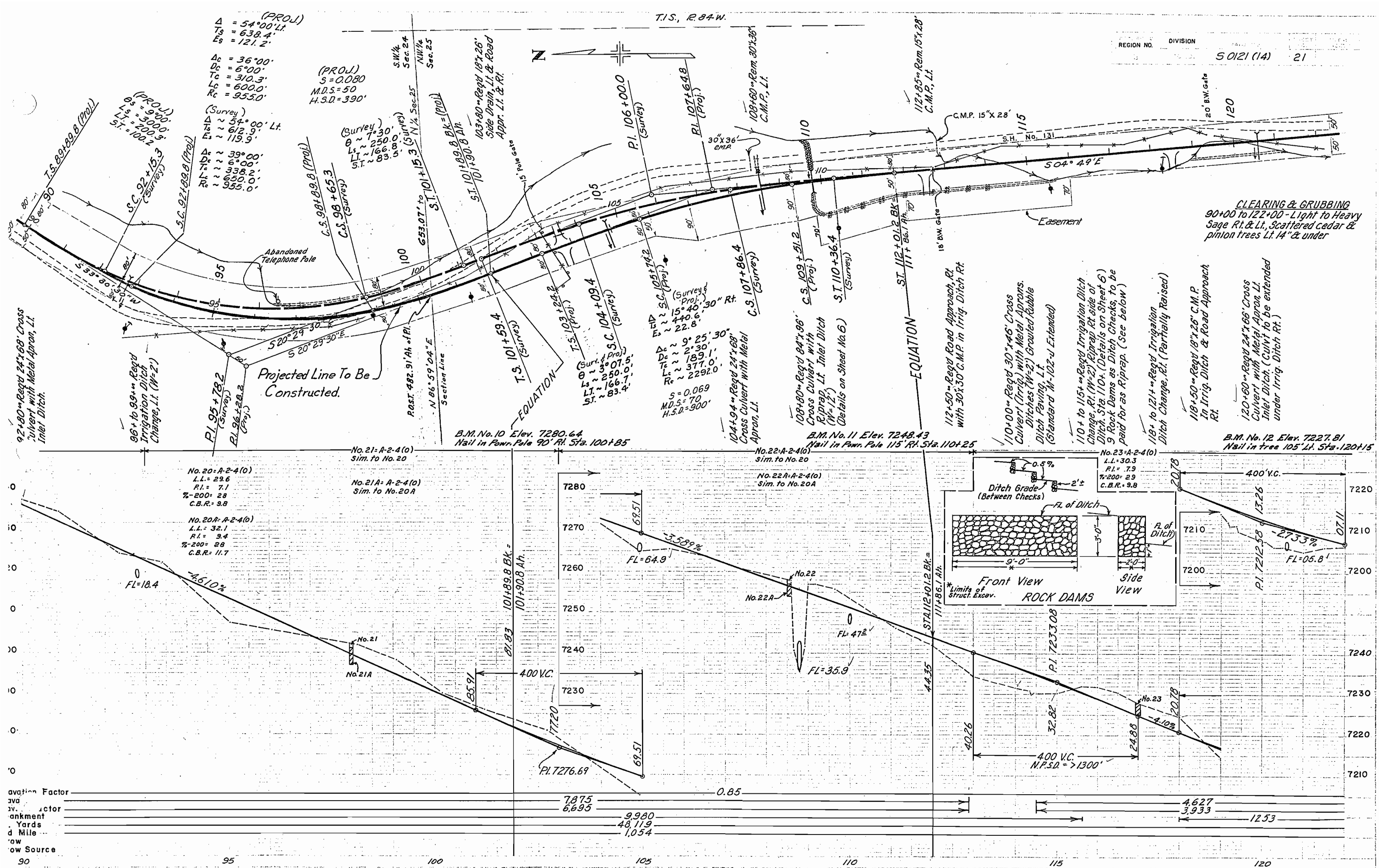
S.W. 1/4 Sec. 13
T.1S., R.84W.

N.W. 1/4 Sec. 24
T.1S., R.84W.

REGION NO. DIVISION
50121(14) 19







FED. ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	S 0121 (14)	22	

