

Ault - Briggs date

FEDERAL ROAD DISTRICT NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLORADO	S 0024(15)	1	

CONVENTIONAL SIGNS

CENTER LINE	PLAN SHEET	TITLE SHEET
RIGHT OF WAY LINE	PLAN SHEET	TITLE SHEET
COUNTY LINE	PLAN SHEET	TITLE SHEET
TOWNSHIP OR RANGE LINE	PLAN SHEET	TITLE SHEET
LAND LINES	PLAN SHEET	TITLE SHEET
RAILROAD	PLAN SHEET	TITLE SHEET
BARBED WIRE FENCE	PLAN SHEET	TITLE SHEET
COMBINATION WIRE FENCE	PLAN SHEET	TITLE SHEET
SNOW FENCE	PLAN SHEET	TITLE SHEET
TELEPHONE & TELEGRAPH LINES	PLAN SHEET	TITLE SHEET
POWER LINE	PLAN SHEET	TITLE SHEET
DETOUR	PLAN SHEET	TITLE SHEET
PRESENT ROAD (Plan Sheets)	PLAN SHEET	TITLE SHEET

COLORADO DEPARTMENT OF HIGHWAYS

PLAN AND PROFILE OF PROPOSED FEDERAL AID PROJECT NO. S 0024(15) STATE HIGHWAY NO. 14 WELD COUNTY

SCALES OF ORIGINAL DRAWINGS

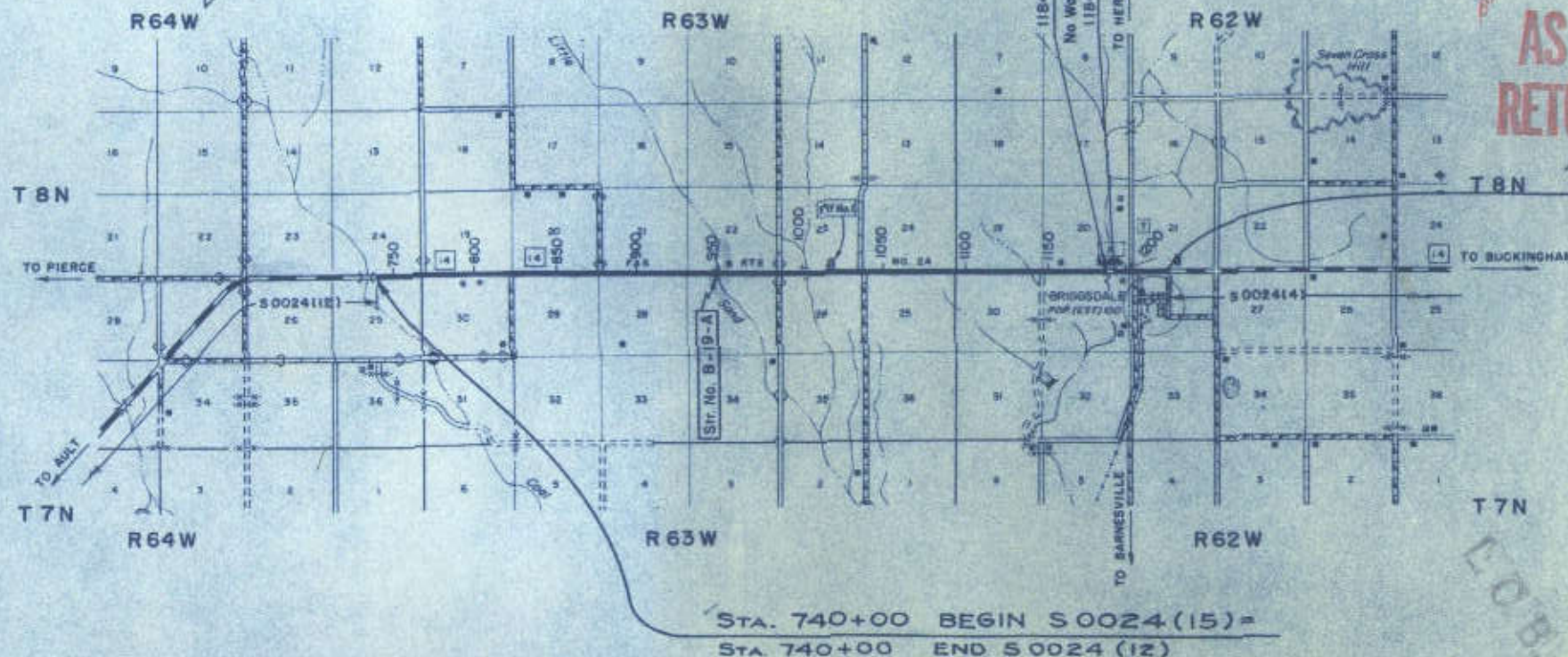
ON PLAN 1 IN. = 100 FT.
ON PROFILE 1 IN. = 100 FT. HORIZONTAL
ON PROFILE 1 IN. = 10 FT. VERTICAL
GRADE LINE ON PROFILE IS SHOWN AS GRADE OF FINISHED ROAD
GROSS LENGTH OF PROJECT: 48,300.0 FT. = 9.148 MI.
NET LENGTH OF PROJECT: 48,261.0 FT. = 9.140 MI.



INDEX OF SHEETS

- SHEET NO. 1 SKETCH MAP AND TITLE PAGE.
2 TYPICAL SECTION, GENERAL NOTES, DETAILS OF PLANT MIXED ASPHALTIC DITCH PAVING, STA. 1140+ TO 1141+, AND TYPICAL SECTION FOR DETOURS.
3 SUMMARY OF APPROXIMATE QUANTITIES.
4 PIT LOCATION, SURFACING AND SUB-BASE MATERIAL PLANS.
5-7 LIST OF STRUCTURE QUANTITIES.
8 SUPERELEVATION AND WIDENING OF CURVES CROWNED HIGHWAYS
9 APPROACH ROADS, FLARING, CUT SLOPE TREATMENT, BRIDGE & CREST WIDENING
10 LETTERS AND FIGURES FOR STRUCTURE Nos.
11-12 CONSTRUCTION TRAFFIC SIGNS
13 IDENTIFICATION SIGNS
14 DITCH TYPES
15 BACKFILL AROUND STRUCTURES
16 SINGLE AND DOUBLE CONCRETE BOX CULV.
17 WINGWALLS FOR CONCRETE BOX CULVERTS
18-19 WIRE FENCES AND GATES
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**AS CONSTRUCTED PLANS
RETURN TO DIST. 4 DESIGN**



SEE SPECIAL PROVISIONS FOR NOTICE TO BIDDERS

COLORADO
DEPARTMENT OF HIGHWAYS

APPROVED _____
DATE 8-20-68
CHIEF ENGINEER

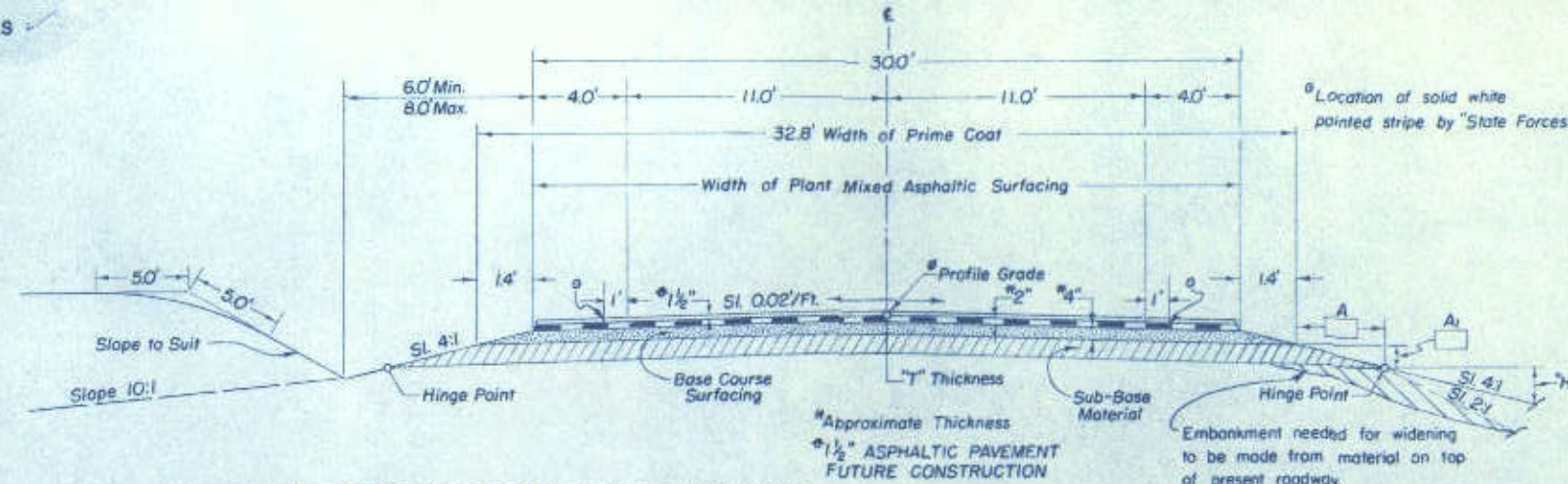
DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS

APPROVED _____
DATE _____
DIVISION ENGINEER

TYPICAL CROSS SECTION

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLORADO	S 0024 (15)	2	

NOTE
SEE STANDARD M-2-A FOR DETAILS
OF CUT SLOPE TREATMENT, FLARING AND
WIDENING.



▲ FILL SLOPES:
ON CURVES
SLOPE 4:1 WHERE "H" IS 3' OR LESS
SLOPE 2:1 WHERE "H" IS OVER 3'

ON TANGENTS
SLOPE 4:1 WHERE "H" IS 3' OR LESS
SLOPE 2:1 WHERE "H" IS OVER 3'

NOTE

"Profile Grade" line is shown on profile as grade of finished Road. At all other locations, the finished grade of the proposed roadway will be the approximate combined thickness of Sub-Base Material and Surfacing above the profile of the present roadway, after all "Shaping and Compacting" operations have been completed.

Hinge Point Tabulation

Thickness of Sub-Base	A	A ₁
4"	1.4'	0.4'
16"	5.8'	1.5'
18"	6.5'	1.6'

EXCAVATION BELOW 4:1 SLOPE AND/OR 10:1
SLOPE WILL NOT BE PERMITTED.

MATERIAL ABOVE THE SUBGRADE IS TO BE CONSTRUCTED
OF SUB-BASE MATERIAL AT LOCATIONS DESIGNATED IN SUB-BASE
MATERIAL TABULATION. ESTIMATED QUANTITIES INVOLVED IN
THIS OPERATION AND THICKNESS OF MATERIAL REQUIRED ARE
TABULATED IN THE SUB-BASE MATERIAL PLAN.

APPROXIMATE 6" COMPACTED THICKNESS OF GRAVEL OR
CRUSHED ROCK SURFACING SHALL BE PLACED IN SEPARATE
COURSES AT THE FOLLOWING RATES PER 100 LIN. FT. OF
ROADWAY:

ASPHALTIC PAVEMENT 37 TONS
BASE COURSE 70 TONS

THE DEPTH AND WIDTH OF THE SIDE DITCH
SHALL BE VARIED WHERE NECESSARY IN ORDER
TO PROVIDE PROPER DRAINAGE AND/OR ENTRANCE
TO DRAINAGE STRUCTURES.

GENERAL NOTES

THIS PROJECT IS TO BE CONSTRUCTED IN CONFORMITY WITH THE
STANDARD SPECIFICATIONS OF THE COLORADO DEPARTMENT OF HIGHWAYS,
ADOPTED JANUARY 1, 1958.

ALL QUANTITIES ON PRELIMINARY PLANS ARE TO BE CONSIDERED
APPROXIMATE ONLY.

FOR PRELIMINARY PLAN QUANTITIES OF ASPHALTIC ROAD MATERIALS
THE FOLLOWING RATES OF APPLICATION WERE USED.

PRIME COAT MC @ 0.40 GALS. PER SQ. YD.

PAVING ASPHALT (85-100 PENETRATION) @ 6.63 LBS. PER SQ. YD. PER INCH

RATE OF APPLICATION AND GRADE OF ASPHALTIC MATERIAL SHALL BE AS
DETERMINED BY THE ENGINEER AT TIME OF APPLICATION.

APPLICATION METHODS, FOR LIQUID ASPHALTIC ROAD MATERIAL, WHICH
RESULT IN THE DISCOLORATION OF CONCRETE PAVEMENT, CURBS OR GUTTERS
WILL NOT BE PERMITTED.

CLASS "AX" CONCRETE, AS DESCRIBED IN THE STANDARD SPECIFICATIONS,
WILL BE PERMITTED ON THIS PROJECT.

THICKNESS OF SUB-BASE, SURFACING AND ASPHALTIC PAVEMENT
MATERIALS AS SHOWN ON PLANS IS APPROXIMATE ONLY. THESE MATERIALS
ARE TO BE PLACED ON THE BASIS OF TONNAGES SHOWN ON PLANS.

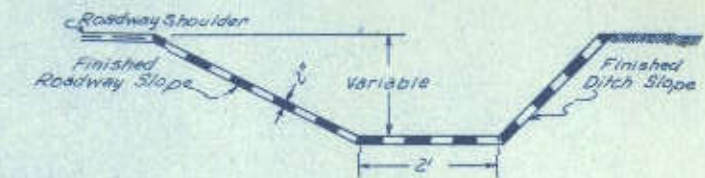
ROAD APPROACHES WHICH REQUIRE PLANT MIXED ASPHALTIC SURFACING
IN THE "STRUCTURE LIST" SHALL BE PRIMED AND A 2" THICKNESS OF
ASPHALTIC SURFACING PLACED AS FOLLOWS:

PUBLIC APPROACHES AND ENTRANCES TO BUILDINGS OR RESIDENCES
TO BE SURFACED 50 FT. OUT FROM EDGE OF SHOULDER OR TO THE R.O.W.
LINE WHICHEVER IS LESS. FIELD ENTRANCES SHALL BE SURFACED 4 FT.
OUT FROM EDGE OF SHOULDER.

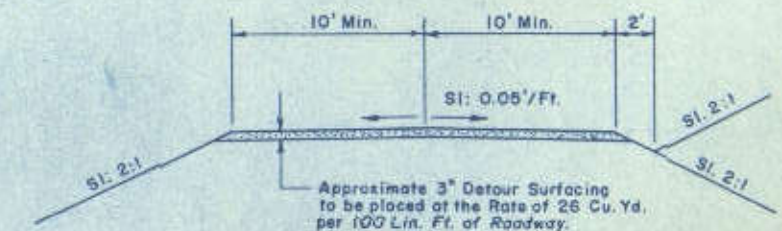
DURING CONSTRUCTION OF THIS PROJECT, TRAFFIC WILL USE THE
PRESENT TRAVELED ROADWAY EXCEPT WHERE DETOURS ARE SHOWN
ON PLANS.

APPROXIMATE LOCATION AND QUANTITIES INVOLVED IN CONSTRUCTION OF
INTERCEPTING DITCHES ARE TABULATED IN SUMMARY OF EARTHWORK QUANTITIES
TABULATION.

FENCING WILL BE REQUIRED TO PROTECT THE PIT SITE LOCATED
ON U.S. FOREST SERVICE LAND LEFT OF STA. 1012+00 TO 1017+00. THE
ITEMS REQUIRED FOR THIS OPERATION ARE SHOWN BY SYMBOL IN THE
SUMMARY OF APPROXIMATE QUANTITIES.

DETAILS OF PLANT MIXED ASPHALTIC
DITCH PAVING STA. 1140+ TO 1141+

TYPICAL SECTION FOR DETOURS



SUMMARY OF APPROXIMATE QUANTITIES

FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NO.
8	COLORADO	50024 (15)	3

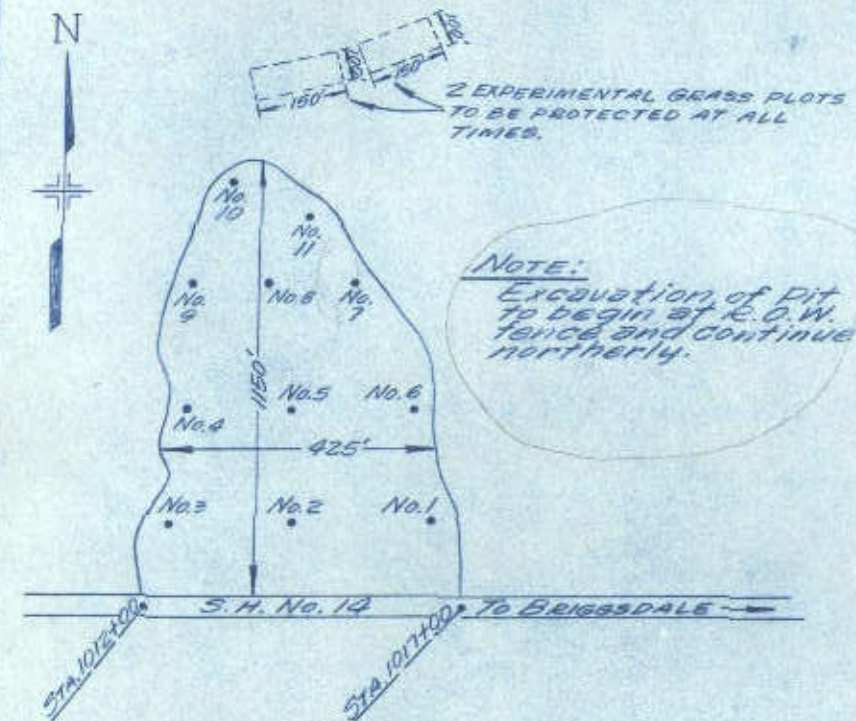
SPECIFICATION ITEM NO.	ITEM	UNIT	ROADWAY	DOUBLE 10'x6' C.B.C. STA. 949+	PROJECT TOTALS
11	Removal of Bridge, Sta. 949 +	Lump Sum	•	✓	• ✓
11	Removal of Bridge, Sta. 999 +	Lump Sum	•	✓	• ✓
11	Removal of 6 Structures	Lump Sum	•	✓	• ✓
11	Reset Mail Boxes	Lump Sum	•	✓	• ✓
13	Unclassified Excavation	Cu. Yd.	13,850	✓	14,000 ✓
13	Unclassified Ditch Excavation	Cu. Yd.	400	✓	400 ✓
13	Stripping	Cu. Yd.	50,000	✓	50,000 ✓
14	Unclassified Structural Excavation - Miscellaneous	Cu. Yd.	370	✓	430 ✓
16	Structure Backfill (Class X)	Cu. Yd.	180	✓	210 ✓
17	Compaction (Modified)	Cu. Yd.	21,000	✓	21,000 ✓
17	Wetting	M Gal.	3,240	✓	3,240 ✓
18	Station Yard Overhaul	Sta. Yd.	22,000	✓	22,000 ✓
18	Ton Mile Overhaul	Ton. Mi.	303,600	✓	303,600 ✓
23	Sub-Base Material (Class 2)	Ton	92,700	✓	92,700 ✓
26	Gravel or Crushed Rock Surfacing (Grading 2)	Ton	34,700	✓	34,700 ✓
26	Detour Surfacing	Cu. Yd.	400	✓	400 ✓
29	Asphalt (85-100 Penetration)	Ton	1,200	✓	1,200 ✓
30	Asphaltic Road Material MC (Prime)	Gal.	71,500	✓	71,500 ✓
32	Plant Mixed Asphaltic Surfacing	Ton	18,130	✓	18,130 ✓
32	Plant Mixed Asphaltic Ditch Paving	Ton	30	✓	30 ✓
46	Class "A" Concrete	Cu. Yd.	77	✓	183 ✓
47	Reinforcing Steel	Lb.	7,900	✓	12,000 ✓
53	18" Corrugated Metal Culvert Pipe	Lin. Ft.	316	✓	316 ✓
53	24" Corrugated Metal Culvert Pipe	Lin. Ft.	413	✓	413 ✓
53	30" Corrugated Metal Culvert Pipe	Lin. Ft.	11	✓	11 ✓
53	36" Corrugated Metal Culvert Pipe	Lin. Ft.	24	✓	24 ✓
*76	Barbed Wire Fence With Metal Posts	Lin. Ft.	3,000	✓	3,000 ✓
*76	Corner and Line Brace Posts	Each	6	✓	6 ✓
*76	End Posts	Each	2	✓	2 ✓
92	Timber Guard Posts	Each	34	✓	34 ✓
119	Shaping and Compacting Roadbed	Mile	8.4	✓	8.4 ✓
<u>STATE FORCES (Non Federal Aid)</u>					
	Signing and Striping Entire Project	Lump Sum	•	✓	• ✓
	Repair and Widen Bridge, Sta. 1184 +	Lump Sum	•	✓	• ✓
<u>FORCE ACCOUNT</u>					
	Reseeding Pit (Work by U.S. Forest Service)	Lump Sum	•	✓	• ✓
<u>ALTERNATE BID ITEMS</u>					
53	18" Corrugated Aluminum Culvert Pipe	Lin. Ft.	316	✓	316 ✓
53	24" Corrugated Aluminum Culvert Pipe	Lin. Ft.	402	✓	402 ✓

PIT NO. 1 PLANT MIXED AGGREGATE, SURFACING & SUB-BASE MATERIAL

LOCATION: S.W. 1/4 of S.E. 1/4, SEC. 23, T. 8 N., R. 63 W.
OWNER: U.S. FOREST SERVICE, BRIGGS DALE, COLO.
QUANTITY AVAILABLE: 100,000 CU. YDS.
STRIPPING REQUIRED: 50,000 CU. YDS.
ROUTE OF HAUL: 500' to Sta. 1014+50

LOG OF PIT

TEST NO.	DEPTH	DESCRIPTION
1	0.0'-2.0'	O.E. (Plastic) Sim. to No. 2
1A	2.0'-4.5'	O.E. (Sandy)
1B	4.5'-10.0'	S. & G.
2	10.0'	Clay & Shale
2A	0.0'-2.0'	O.E. (Plastic) Sim. to No. 14
2B	2.0'-5.0'	O.E. (Sandy) Sim. to No. 14
2C	5.0'-11.0'	S. & G. (Coarse)
3	11.0'	Clay & Shale
3A	0.0'-1.5'	O.E. (Plastic) Sim. to No. 2
3B	1.5'-4.5'	O.E. (Sandy) Sim. to No. 14
3C	4.5'-7.5'	S. & G. Sim. to No. 14
4	7.5'	Clay & Shale
4A	0.0'-2.0'	O.E. (Plastic)
4B	2.0'-7.0'	S. & G. Sim. to No. 28
5	7.0'	Clay & Shale
5A	0.0'-2.0'	O.E. (Plastic) Sim. to No. 4
5B	2.0'-8.0'	S. & G. Sim. to No. 28
6	8.0'	Clay & Shale
6A	0.0'-2.5'	O.E. (Plastic) Sim. to No. 4
6B	2.5'-6.0'	O.E. (Sandy)
6C	6.0'-10.5'	S. & G. Sim. to No. 14
7	10.5'	Clay & Shale
7A	0.0'-2.5'	O.E. (Plastic) Sim. to No. 4
7B	2.5'-6.5'	O.E. (Sandy) Sim. to No. 14
7C	6.5'-8.5'	S. & G. Sim. to No. 14
8	8.5'	Clay & Shale
8A	0.0'-2.0'	O.E. (Plastic) Sim. to No. 4
8B	2.0'-5.0'	O.E. (Sandy) Sim. to No. 6
8C	5.0'-9.5'	S. & G.
9	9.5'	Clay & Shale
9A	0.0'-1.5'	O.E. (Plastic) Sim. to No. 4
9B	1.5'-4.5'	O.E. (Sandy) Sim. to No. 6A
9C	4.5'-10.0'	S. & G.
10	10.0'	Clay & Shale
10A	0.0'-1.5'	O.E. (Plastic) Sim. to No. 4
10B	1.5'-5.0'	O.E. (Sandy) Sim. to No. 6A
10C	5.0'-11.0'	S. & G. Sim. to No. 28
11	11.0'	Shale
11A	0.0'-1.5'	O.E. (Plastic) Sim. to No. 4
11B	1.5'-8.0'	O.E. (Sandy) Sim. to No. 6A
11C	8.0'-11.0'	S. & G.



NOTE:
Excavation of pit to begin at R.O.W. fence and continue northerly.

It is estimated that material for Sub-base & Surfacing for the project is available in the vicinity of the pit indicated in the following tabulations. Estimated quantities involved in these operations are shown below.

Alteration of these plans as here outlined will be allowed only on written permission from the Department.

SUB-BASE MATERIAL PLAN

MATERIAL TO BE PLACED	SOURCE	SUB-BASE (CLASS 2)		TON MILE OVERHAUL
		THICKNESS	TONS USED	
740+00 to 863+00	Pit No. 1 R=72	4"	9,348	38,596
863+00 to 868+00		18"	1,965	5,731
868+00 to 1014+50		16"	50,396	74,687
1014+50 to 1030+00		16"	5,332	1,288
1030+00 to 1130+00		4"	7,600	10,148
1130+00 to 1138+00		18"	3,144	7,413
1138+00 to 1184+57		4"	3,539	10,174
1184+96 to 1223+00		4"	2,891	10,649
Est. for Correcting Irregularities in Sub-grade			8,422	15,869
TOTALS			92,637	174,555

*Based on Design Curve "D", approximate thickness.

SURFACING PLAN

MATERIAL TO BE PLACED	SOURCE	TONS USED		TON MILE OVERHAUL	
		PLANT MIX 2" TOP COURSE	*BASE COURSE	PLANT MIX 2" TOP COURSE	*BASE COURSE
740+00 to 1014+50	Pit No. 1 R=83	10,157	19,215	27,364	51,768
1014+50 to 1184+57		6,293	11,905	10,731	20,300
1184+96 to 1223+00		1,407	2,663	5,182	9,809
From List of Structures		146	619	354	1,500
Asphaltic Ditch Paving		—	—	62	—
Approach to Project		124	234	660	1,246
TOTALS		18,127	34,636	44,353	84,623

*Grading "D"

1200
500
600000
5
27) 3000000

1150
4
4600
425
23000
9200
18400
1955000
72000

FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NO.
1	COLORADO	30024(15)	5

TIMBER GUARD POSTS

STATION	SIDE	SPACING	NO.
765+00	Rt. & Lt.	CULVERT	2
949+	Rt. & Lt.	"	2
967+24	Rt. & Lt.	"	2
999+	Rt. & Lt.	"	2
1021+69	Rt. & Lt.	"	2
1120+21	Rt. & Lt.	"	2
1184+	Rt. & Lt.	BRIDGE	20
1205+50	Rt. & Lt.	CULVERT	2
TOTAL			34

SUMMARY OF EARTHWORK QUANTITIES

	ROADWAY	DOUBLE 10'x6' C.B.C.	PROJECT TOTALS
EXCAVATION FROM IBM SHEETS	6,734'		6,734'
ESTIMATE FOR SUBSIDENCE	673'		673'
LIST OF STRUCTURES AS EXCAVATION	2,618'	130'	2,748'
LIST OF STRUCTURES AS EMBANKMENT	3,608'		3,608'
ESTIMATE FOR CUT SLOPE TREATMENT	159'		159'
TOTALS CU. YD.	13,792'	130'	13,922'
EXCAVATION FROM IBM SHEETS	6,734'		6,734'
EMBANKMENT x FACTOR FROM IBM SHEETS	6,734'		6,734'
STATION YARD OVERHAUL FROM MASS DIAGRAM	19,426'		19,426'
ESTIMATE FOR SUBSIDENCE	1,942'		1,942'
TOTALS STA. YD.	21,368'		21,368'
UNCLASSIFIED DITCH EXCAVATION			
INTERCEPTING DITCHES			
*STATION	SIDE	CU. YD.	
755+ ~ 763+	Rt. & Lt.	256	
863+	Rt. & Lt.	50	
900+	Rt. & Lt.	50	
SUB-TOTAL		356'	
FROM LIST OF STRUCTURES		5'	
TOTAL		361'	
*APPROXIMATE LOCATION, MAY BE CHANGED BY ENGINEER			
COMPACTION			
TOTAL UNCLASSIFIED EXCAVATION		13,922'	
BASE OF CUTS & FILLS		6,935'	
TOTALS CU. YD.		20,857'	

TABULATION OF LENGTH & DESIGN DATA

	ROADWAY	MAJOR STRUCTURE	NO WORK SECTIONS
	LIN. FT.	LIN. FT.	LOADING
STA 740+00 BEGIN S0024(15)= STA 740+00 END S0024(12)			
949+50 DOUBLE 10'x6' C. B. C. (Str. No. B-19-A)	20,950.0'	23.0'	H20-S16 -44
949+73	23,484.0'		
1184+57 BEGIN NO WORK CROW CREEK BRIDGE			39.0'
1184+96 END NO WORK	3,804.0'		
STA 1223+00 END S0024(15)= STA 0+00 BEGIN S0024(4)			
TOTALS	48,238.0'	23.0'	39.0'
SUMMARY			
	ROADWAY	DOUBLE C.B.C.	
	48,238.0'	23.0'	
SUB-TOTAL (NET LENGTH OF PROJECT)	48,261.0'		
NO WORK SECTION	39.0'		
TOTAL (GROSS LENGTH OF PROJECT)	48,300.0'		
DESIGN DATA			
MAXIMUM DEGREE OF CURVE			0° 30'
MAXIMUM GRADE			3.50%
MINIMUM S.S.D. ~ HORIZONTAL			1,915'
MINIMUM S.S.D. ~ VERTICAL			600'
MAXIMUM DESIGN SPEED			70 MPH

STRUCTURE QUANTITIES

LOCATION	MISCELLANEOUS	REMOVAL OF STRUCTURES NO.	EXCAVATION			UNCLASSIFIED STRUCTURAL EXCAVATION CUBIC YARDS MISC.			STRUCTURE BACKFILL CUBIC YARDS CL. X		GRAVEL OR CRUSHED ROCK SURFACING TONS	ASPHALTIC SURFACING TONS	CONCRETE CUBIC YARDS CL. "A"	REINFORCING STEEL LBS.	CORRUGATED METAL CULVERT PIPE LINEAR FEET																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										</
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STRUCTURE QUANTITIES

FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NO.
9	COLORADO	50024 (15)	7

OCTOBER 1961

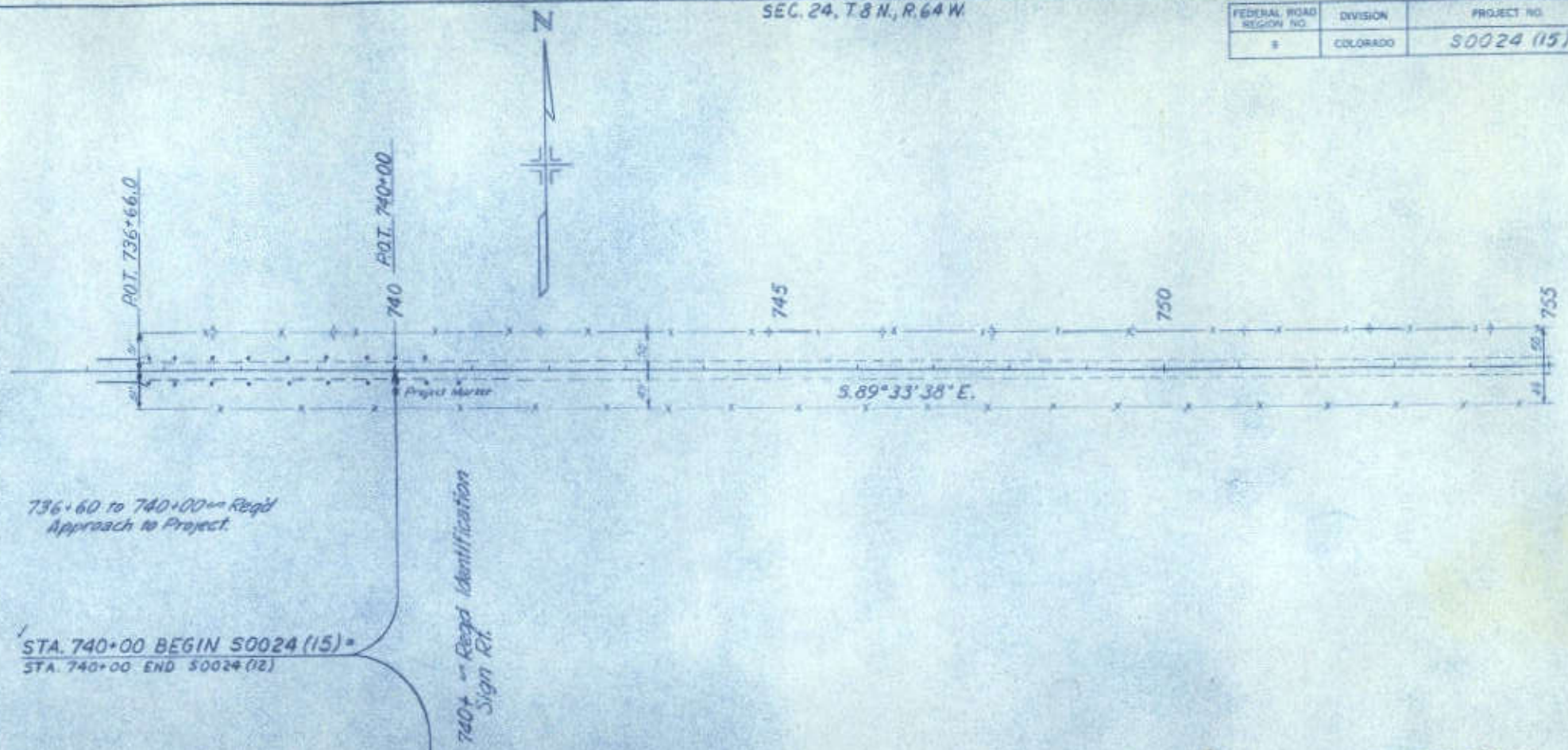
LOCATION	MISCELLANEOUS	REMOVAL OF STRUCTURES NO.	EXCAVATION			UNCLASSIFIED STRUCTURAL EXCAVATION CUBIC YARDS MISC.	STRUCTURE BACKFILL CUBIC YARDS CL. Y.	GRAVEL OR CRUSHED ROCK SURFACING TONS	ASPHALTIC SURFACING TONS	CONCRETE CUBIC YARDS CL. "A"	REINFORCING STEEL LBS.	CORRUGATED METAL CULVERT PIPE LINEAR FEET													
			CUBIC YARDS																						
			UNCL.	EMB.	UNCL. DITCH																				
																					18"	24"	30"	36"	
1140+ To 1141+ 1142+58	25 Tons Plant Mixed Asphaltic Ditch Paving.			80✓		1✓ 1✓	2✓								911✓										
1145+47				56✓				36✓	4✓																
1170+35				97✓				20✓	2✓																
1170+38				40✓		3✓	4✓	20✓	2✓			26✓													
1173+15				80✓		5✓	5✓	15✓	2✓			36✓													
1181+25				54✓		3✓	4✓	18✓	2✓			26✓													
1192+75				31✓		3✓	5✓	18✓	2✓			26✓													
1194+20		1✓		18✓		6✓	5✓	16✓	2✓			26✓													
1195+90				26✓				18✓	2✓																
1196+40				12✓				21✓	11✓																
1196+55				56✓				21✓	2✓																
1203+46				36✓				21✓	11✓																
1205+50				15✓		1✓ 23✓	11✓					56✓													
1223+00				10✓				16✓	11✓																
ENTIRE PROJECT	Reset Mail Boxes																								
PROJECT TOTALS		6	2618✓	3608✓	5✓	366✓	177✓	619✓	146✓	7660✓	7894✓	316✓	413✓	11✓	24✓										

* Included in earthwork quantities, Sub-Base and Surfacing Plans.
Includes 1 ft. Air Connecting Band.
* Quantities are not included in totals.

FEDERAL ROAD DISTRICT NO.	DIVISION	PROJECT NO.	SHEET NO.
8	COLORADO	50024 (15)	21

NOTE: Alignment and grades as shown are subject to modification during construction after approval by the Denver Office.

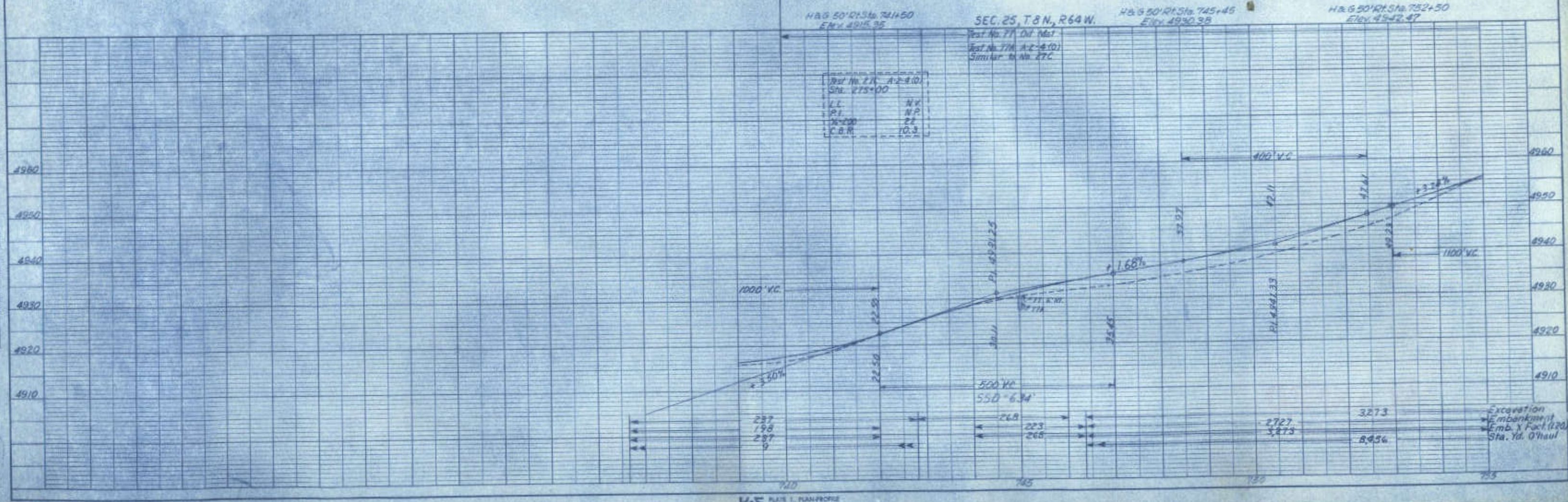
Soil data shown on the plans is obtained from best available testing laboratory information. This information is shown for the convenience of the Contractor and the Department does not guarantee the accuracy of these tests. If materials not conforming to the data on plans are encountered during construction,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



736+60 to 740+00 Reg'd Approach to Project.

STA. 740+00 BEGIN 50024 (15) •
STA. 740+00 END 50024 (12)

740+ Reg'd Identification Sign Rt



PLAN
NOTE: SOIL DATA SHOWN ON 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, THE GRADING PLAN SHOWN ON PLANS WILL BE MODIFIED WHERE NECESSARY TO SECURE DENSE, STABLE EMBANKMENTS.

PROFILE
NOTE: SOIL DATA SHOWN ON 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, THE GRADING PLAN SHOWN ON PLANS WILL BE MODIFIED WHERE NECESSARY TO SECURE DENSE, STABLE EMBANKMENTS.

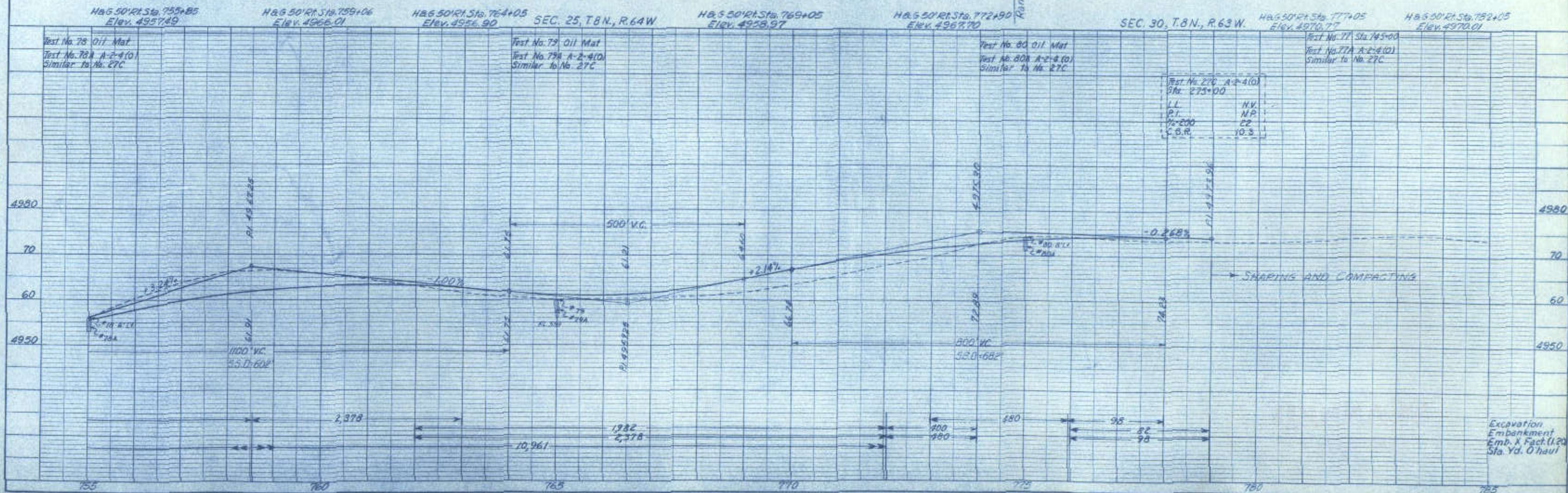
SEC. 24, T.8N, R.64W.

SEC. 19, T.8N, R.63W.

FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NO.
9	COLORADO	50024 (15)	22

PLAN	REVISION	DATE
1	AS BUILT	
2	REVISION	
3	REVISION	
4	REVISION	
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6	REVISION	
7	REVISION	
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PROFILE	REVISION	DATE
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98	REVISION	
99	REVISION	
100	REVISION	



SEC. 19, T. 8 N., R. 63 W.

FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NO.
9	COLORADO	S 00 24 (15)	23

PLAN

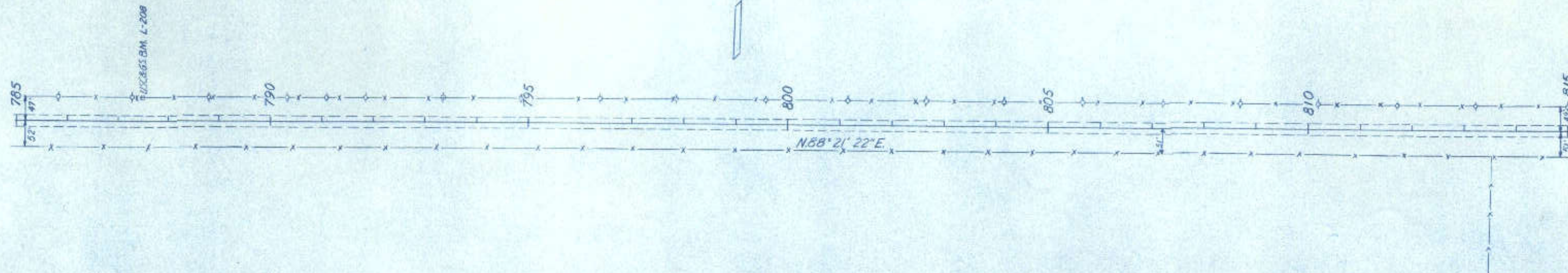
NOTE: BRIDGE, ALL DIMENSIONS, 1/4" = 10'.

NOTE: BRIDGE, ALL DIMENSIONS, 1/4" = 10'.

PROFILE

NOTE: BRIDGE, ALL DIMENSIONS, 1/4" = 10'.

NOTE: BRIDGE, ALL DIMENSIONS, 1/4" = 10'.



U.S.C. & G.S. BM # L-208, Elev. 4970.748
Brass Cap in Fence Line 50' Lt. Sta. 785+00
7.9 Miles West of Briggsdale

H&G 50' R.I. Sta. 793+05
Elev. 4964.42

H&G 50' R.I. Sta. 798+05
Elev. 4960.18

SEC. 30, T. 8 N., R. 63 W.

H&G 50' R.I. Sta. 803+05
Elev. 4960.01

H&G 50' R.I. Sta. 808+05
Elev. 4958.72

H&G 50' R.I. Sta. 813+05
Elev. 4960.56

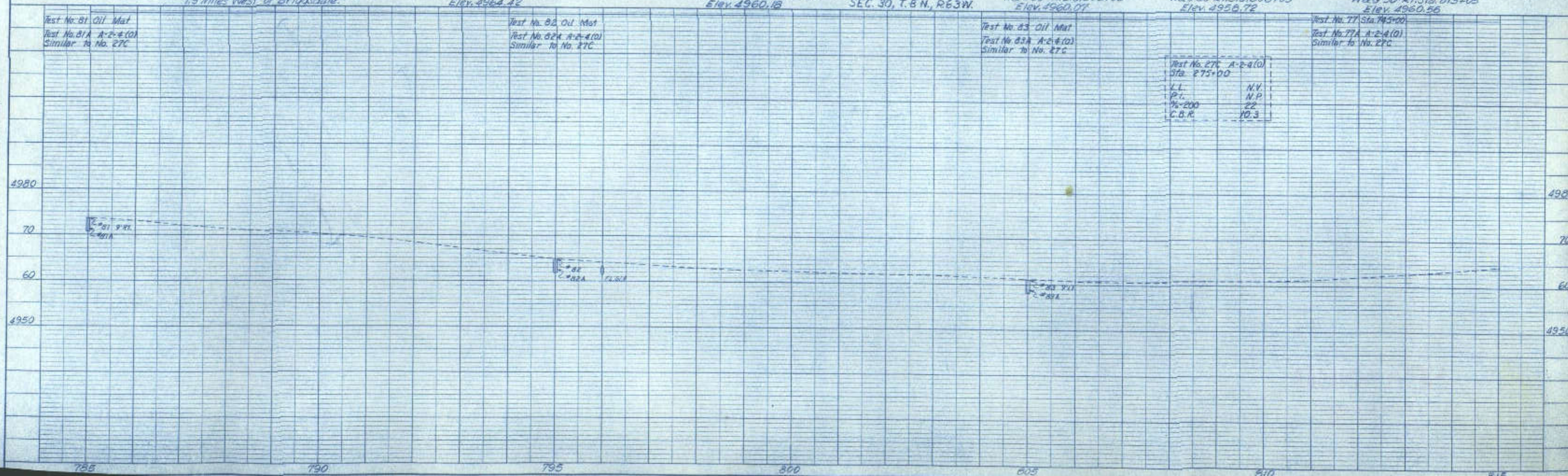
Test No. 81 Oil Mat
Test No. 81A A-2-4(0)
Similar to No. 27C

Test No. 82 Oil Mat
Test No. 82A A-2-4(0)
Similar to No. 27C

Test No. 83 Oil Mat
Test No. 83A A-2-4(0)
Similar to No. 27C

Test No. 77 Sta. 745+00
Test No. 77A A-2-4(0)
Similar to No. 27C

Test No. 27C A-2-4(0)
Sta. 275+00
L.L. N.V.
P.I. N.P.
%+200 22
C.B.R. 10.3



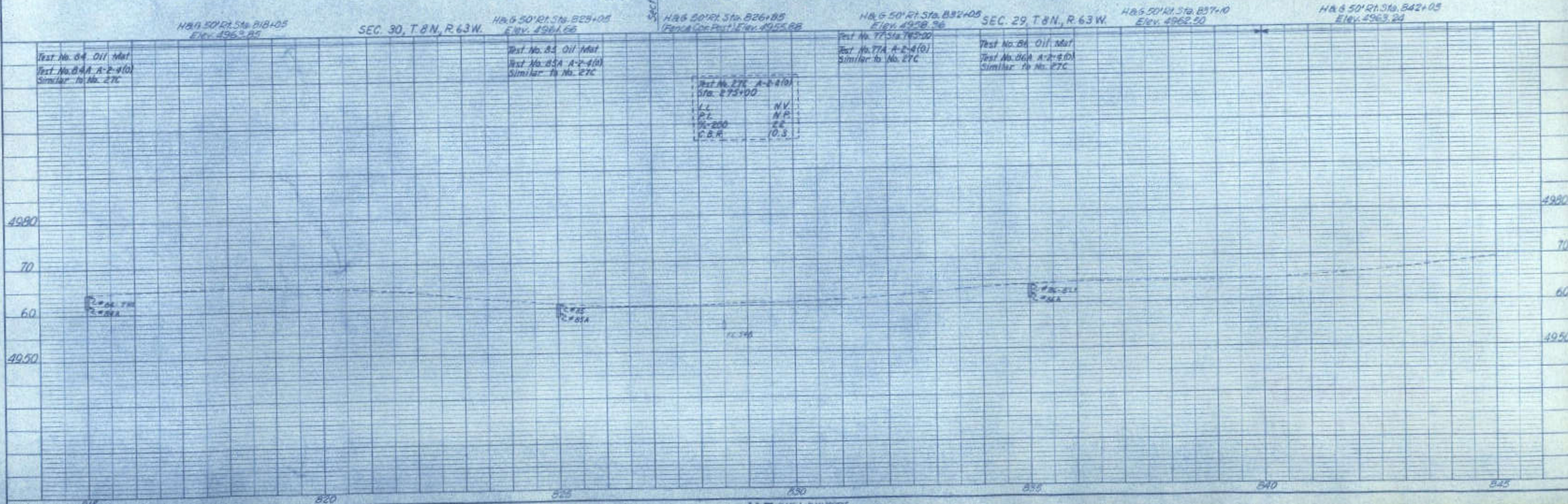
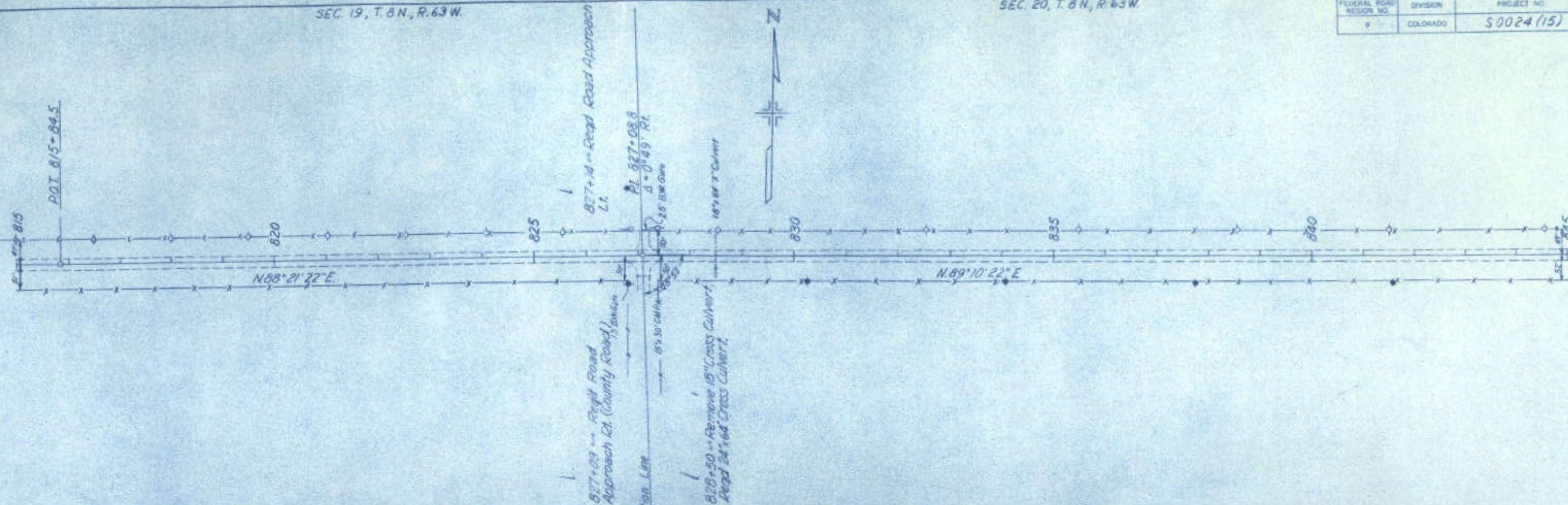
DATE	10/15/61
BY	J.M.
CHECKED	
APPROVED	
REMARKS	

DATE	10/15/61
BY	J.M.
CHECKED	
APPROVED	
REMARKS	

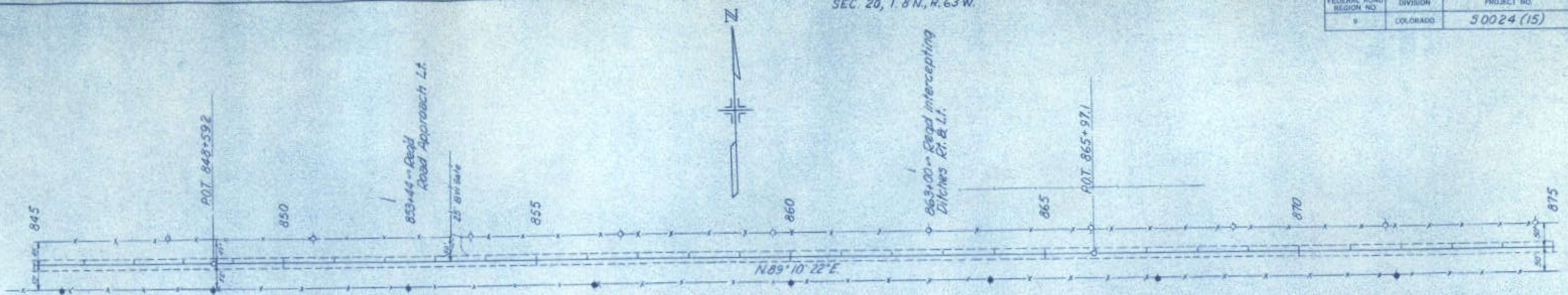
SEC. 19, T.8N., R.63W.

SEC. 20, T.8N., R.63W.

FEDERAL ROAD DISTRICT NO.	DIVISION	PROJECT NO.	SHEET NO.
9	COLORADO	50024(15)	24

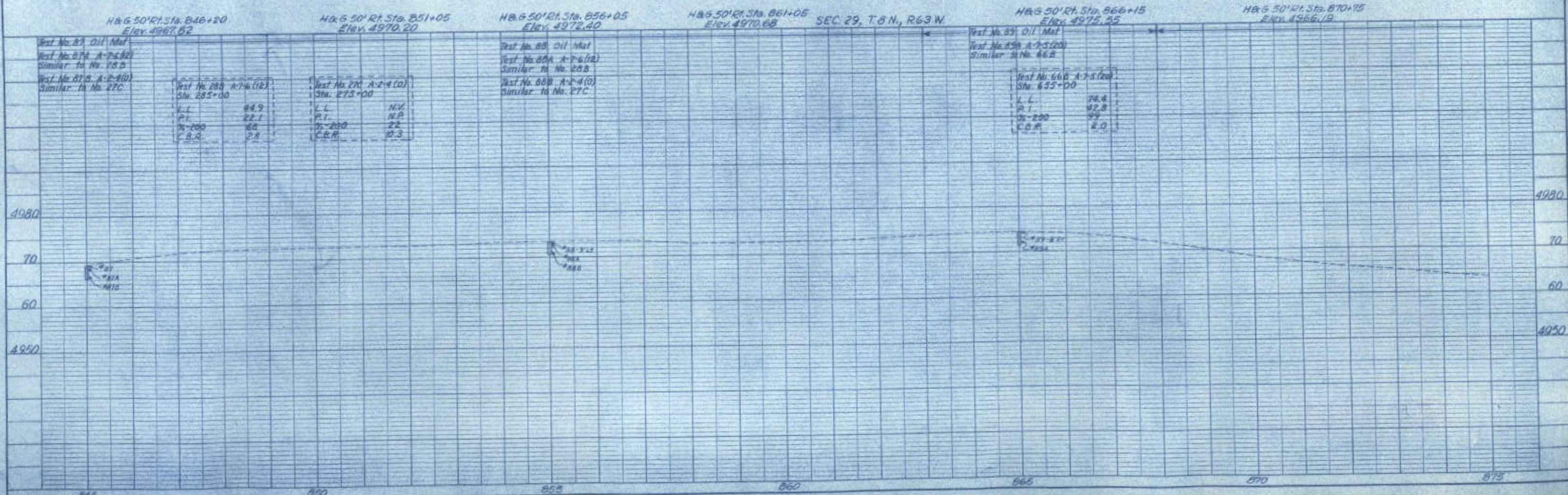


SEC. 20, T. 8 N., R. 63 W.



PLAN
 1/4" = 100'
 1/8" = 50'
 1/16" = 25'

SEC. 29, T. 8 N., R. 63 W.

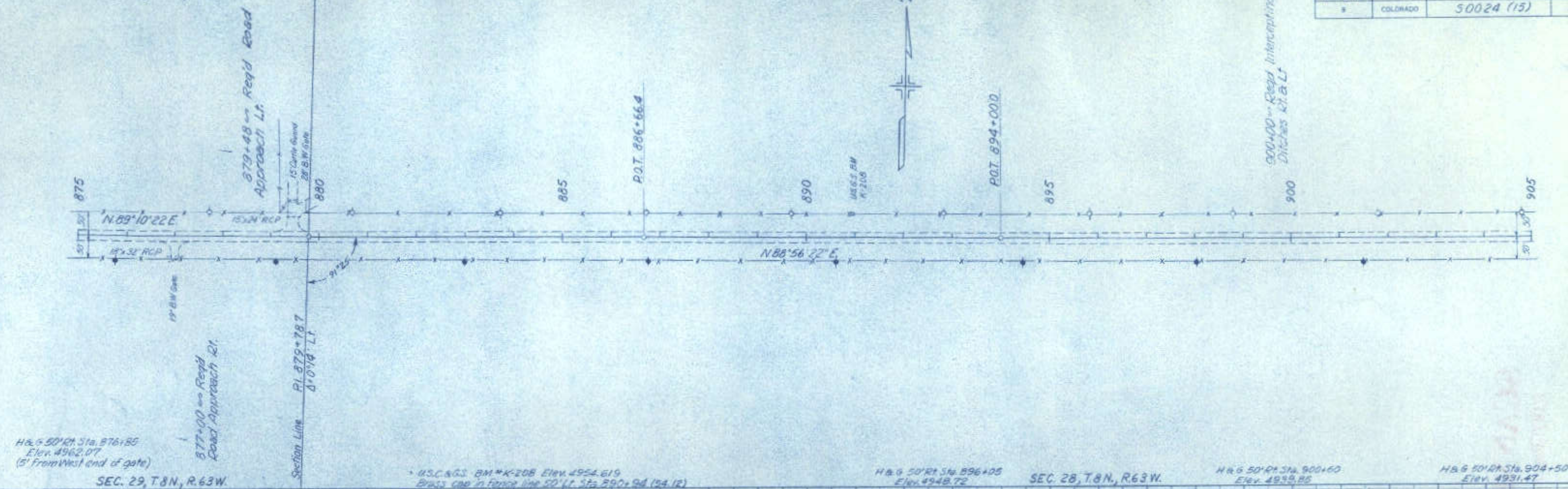


PROFILE
 1/4" = 100'
 1/8" = 50'
 1/16" = 25'

SEC. 20, T. 8 N., R. 63 W.

SEC. 21, T. 8 N., R. 63 W.

FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NO.
8	COLORADO	50024 (15)	26



Test No. 90 Oil Mkt	
Test No. 90A A-6(6)	
L.L.	31.2
P.L.	12.5
%-200	61
C.B.A.	2.5

Test No. 91 Old Mat.
Test No. 91A A-6(6)
Similar to No. 90A

Test No. 92 Oil Mat
Test No. 92A Airtite
Similar to No. 90A

PLAN
SURVEYED
PLATTED
ALSO CHECKED
BY
DATE

PROFILE
SURVEYED
PLATTED
ALSO CHECKED
BY
DATE

905+80 ~ Req'd 18"x28" Side Drain
to Road Approach Lt.

24" BW Gate

Division Base (Not Being Used)

PI 931+81.7

24" BW Gate
932+06 ~ Req'd 18"x28" Side
Drain Lt. Req'd 24"x28" Side
Drain Lt. Road Approaches Rt.
and Lt.

27" BW Gate
24" BW Gate



H&G 50' RT STA. 908+90
Elev. 4924.35

H&G 50' RT STA. 914+05
Elev. 4916.95

SEC. 28, T.8N, R.63W.

H&G 50' RT STA. 918+60
Elev. 4908.09

H&G 50' RT STA. 924+05
Elev. 4904.74

H&G 50' RT STA. 929+05
Elev. 4904.16

H&G 50' RT STA. 934+05
Elev. 4908.14

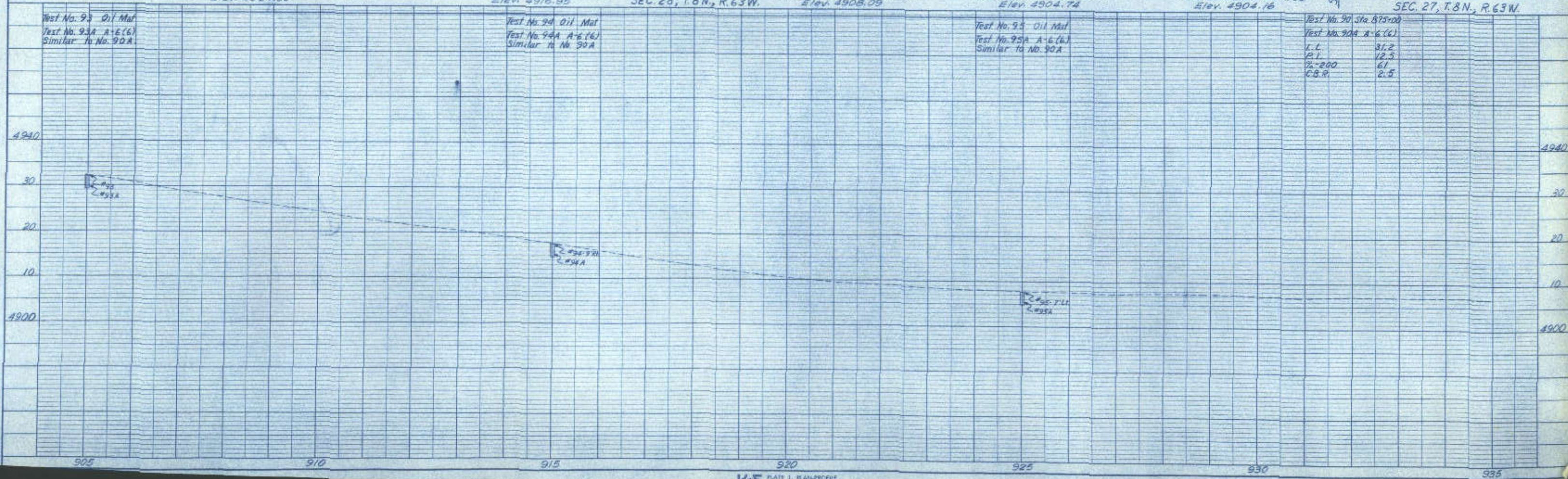
SEC. 27, T.8N, R.63W.

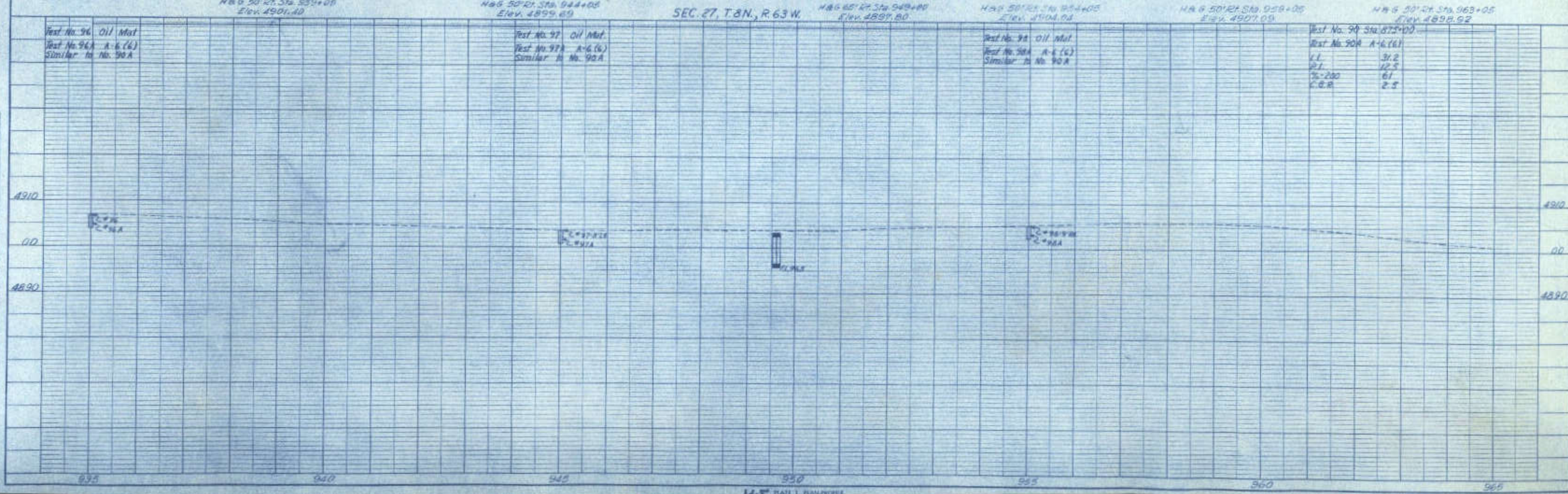
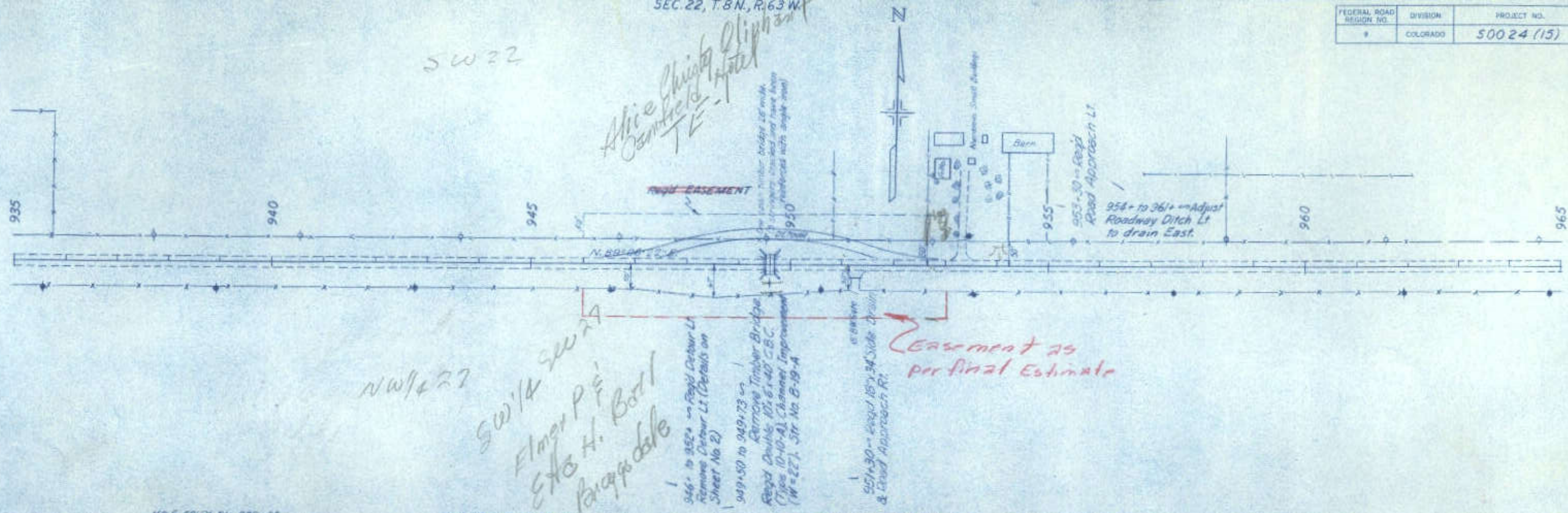
Test No. 93 Oil Mat
Test No. 93A A-6 (6)
Similar to No. 90A

Test No. 94 Oil Mat
Test No. 94A A-6 (6)
Similar to No. 90A

Test No. 95 Oil Mat
Test No. 95A A-6 (6)
Similar to No. 90A

Test No. 90 Sta. 875+00
Test No. 90A A-6 (6)
I.L. 81.2
P.I. 12.5
%+200 61
C.S.P. 2.5





PLAN
 SCALE
 1" = 40'

PROFILE
 SCALE
 1" = 10'

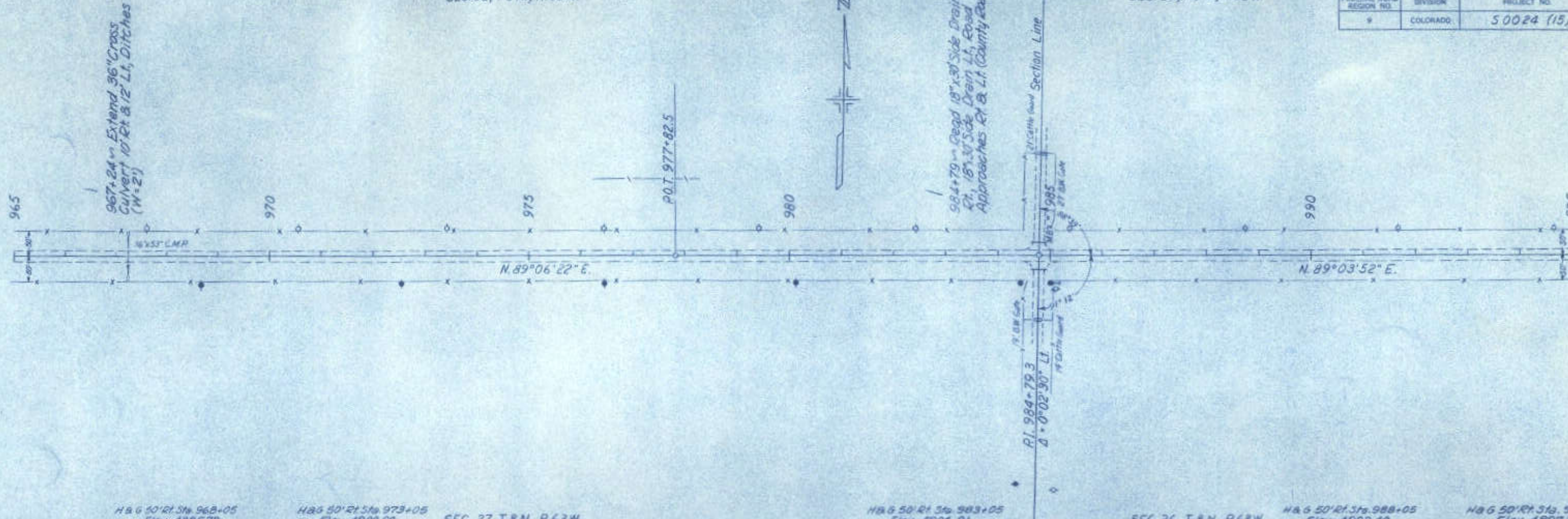
PLAN
 SURVEYED
 ELECTED
 ALLEGEDLY CHECKED
 DATE 10/1/00
 BY J. J. J.

PROFILE
 SURVEYED
 ELECTED
 ALLEGEDLY CHECKED
 DATE 10/1/00
 BY J. J. J.

SEC. 22, T. 8 N., R. 63 W.

SEC. 23, T. 8 N., R. 63 W.

FEDERAL ROAD DISTRICT NO.	DIVISION	PROJECT NO.	SHEET NO.
9	COLORADO	50024 (15)	29



H&G 50' R/S Sta. 968+05
 Elev. 4895.72

H&G 50' R/S Sta. 973+05
 Elev. 4900.00

SEC. 27, T. 8 N., R. 63 W.

H&G 50' R/S Sta. 983+05
 Elev. 4906.01

SEC. 26, T. 8 N., R. 63 W.

H&G 50' R/S Sta. 988+05
 Elev. 4903.40

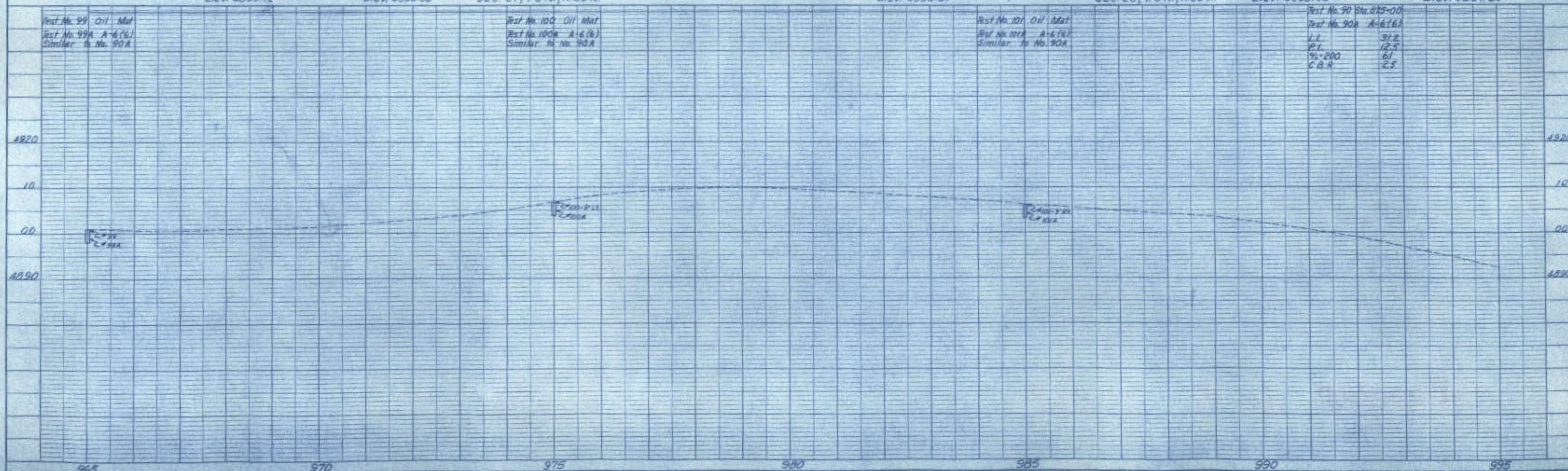
H&G 50' R/S Sta. 993+05
 Elev. 4897.24

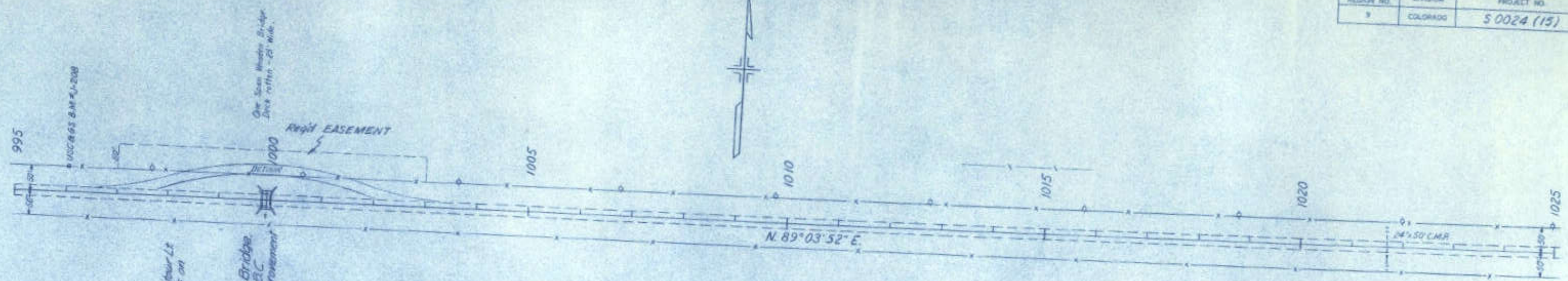
Test No. 99 Oil Mat
 Test No. 99A A-6(6)
 Similar to No. 90A

Test No. 100 Oil Mat
 Test No. 100A A-6(6)
 Similar to No. 90A

Test No. 101 Oil Mat
 Test No. 101A A-6(6)
 Similar to No. 90A

Test No. 90 Sta. 815+00
 Test No. 90A A-6(6)
 L.L. 31.2
 P.L. 12.5
 % 200 61
 C.B.R. 2.5





996+10 to 1003+00 -- Right of Way Lt. Remove Detour Lt. (Details on Sheet No. 2)

999+93 -- Remove Timber Bridge. Right Double BxS. 15' C.B.C. (Type B-B-A) Channel Improvement (W=20') Str. No. B-19-A

1021+69 -- Extend 24' Cross Ditch. Culvert 10' Rt.

USCGS B.M. J-208 Elev. 4888.415
4.1 Mi. West of Briggsdale (B.B. 26)

H & G 50' Rt. Sta. 1006+05
Elev. 4883.45

H & G 50' Rt. Sta. 1011+05
Elev. 4888.28

SEC. 26, T. 8 N., R. 63 W.

H & G 50' Rt. Sta. 1016+05
Elev. 4891.10

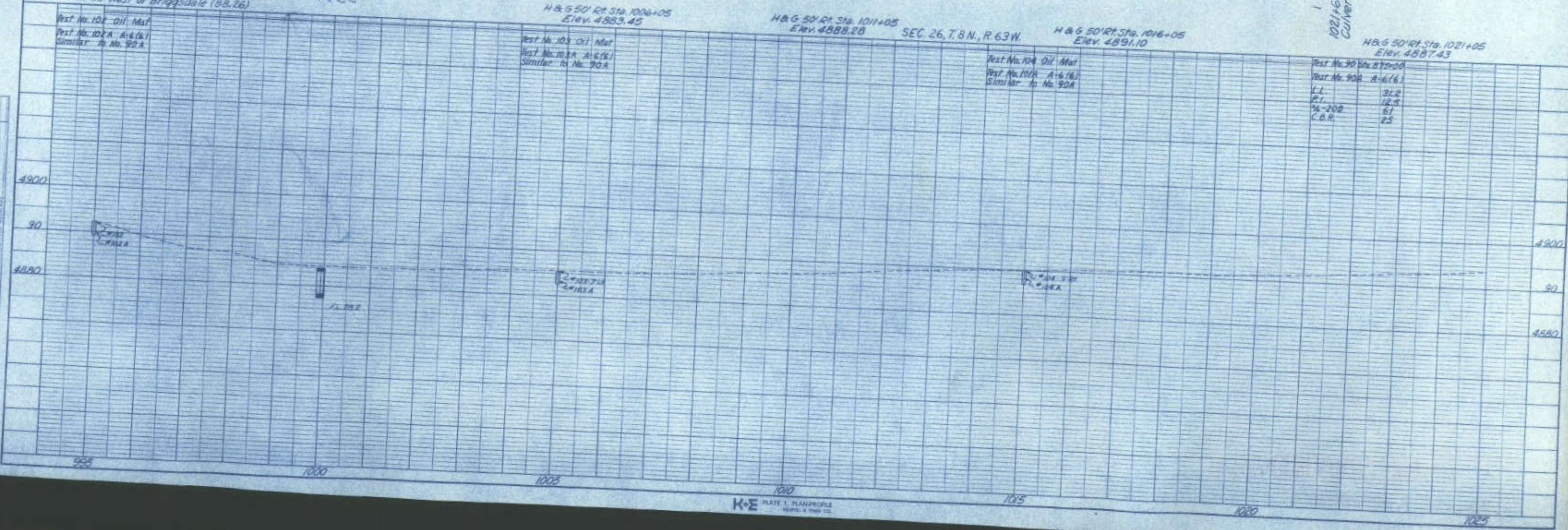
H & G 50' Rt. Sta. 1021+05
Elev. 4887.43

Test No. 101 Oil Mat
Test No. 102A A-6(6)
Similar to No. 90A

Test No. 103 Oil Mat
Test No. 103A A-6(6)
Similar to No. 90A

Test No. 104 Oil Mat
Test No. 104A A-6(6)
Similar to No. 90A

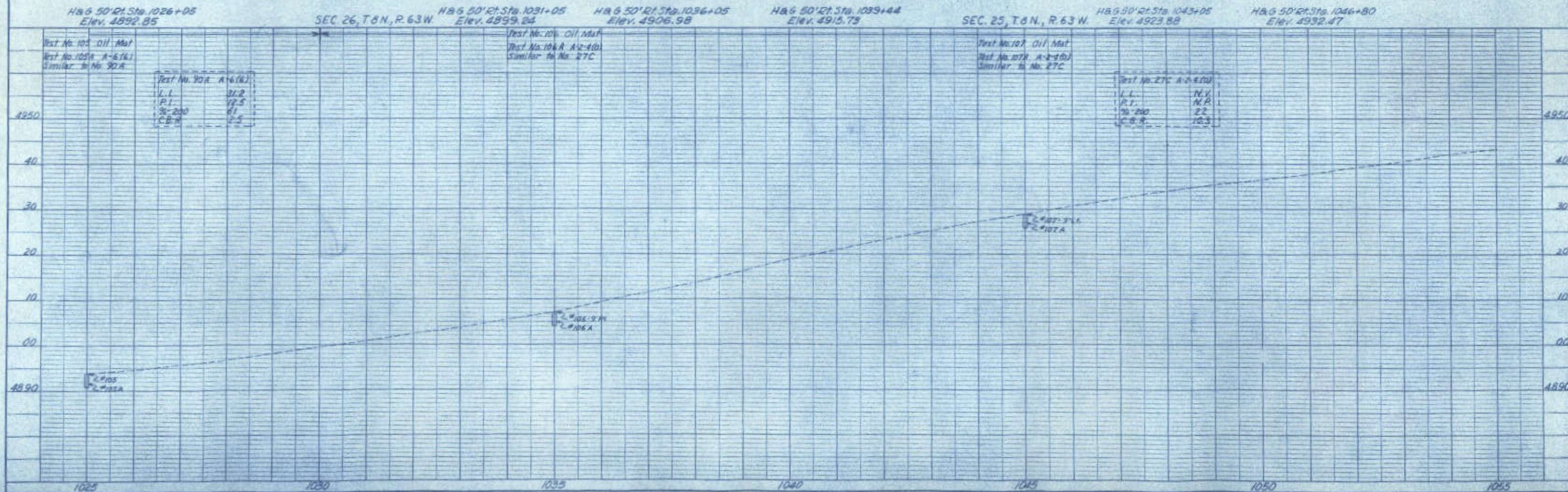
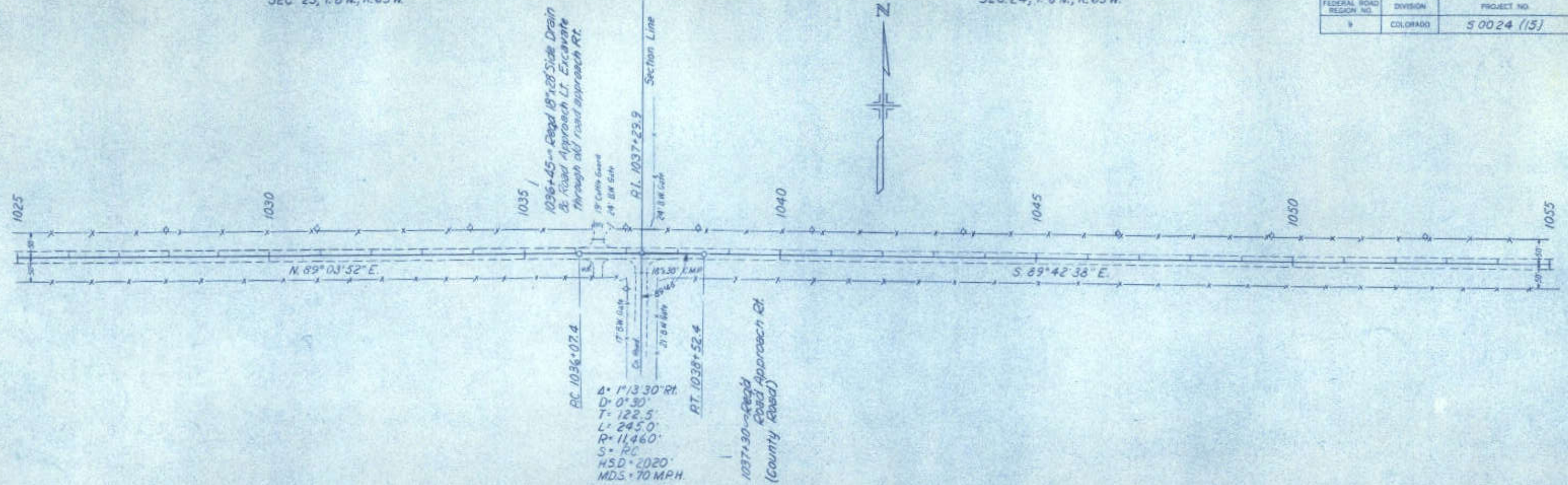
Test No. 90 Sta. 875+00
Test No. 90A A-6(6)
L.I. 31.2
P.I. 12.5
M-200 61
C.B.R. 25



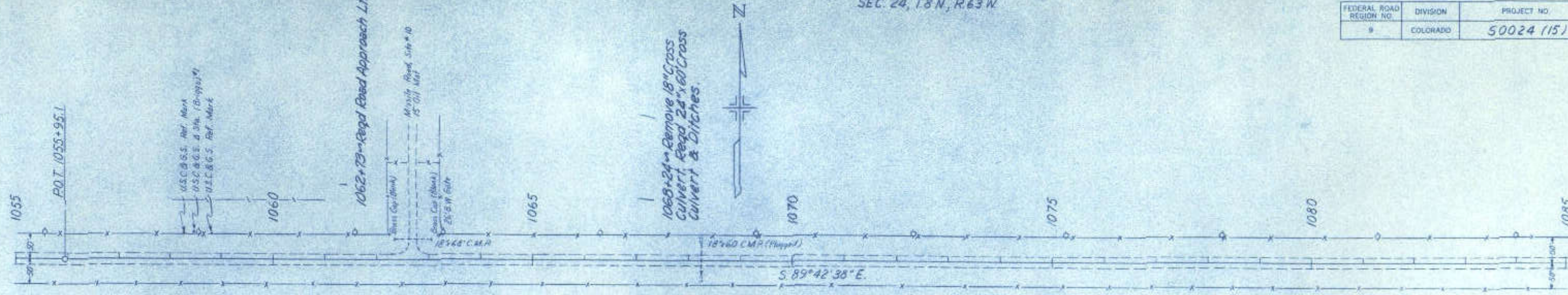
SEC. 23, T. 8 N., R. 63 W.

SEC. 24, T. 8 N., R. 63 W.

FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NO.
9	COLORADO	50024 (15)	31

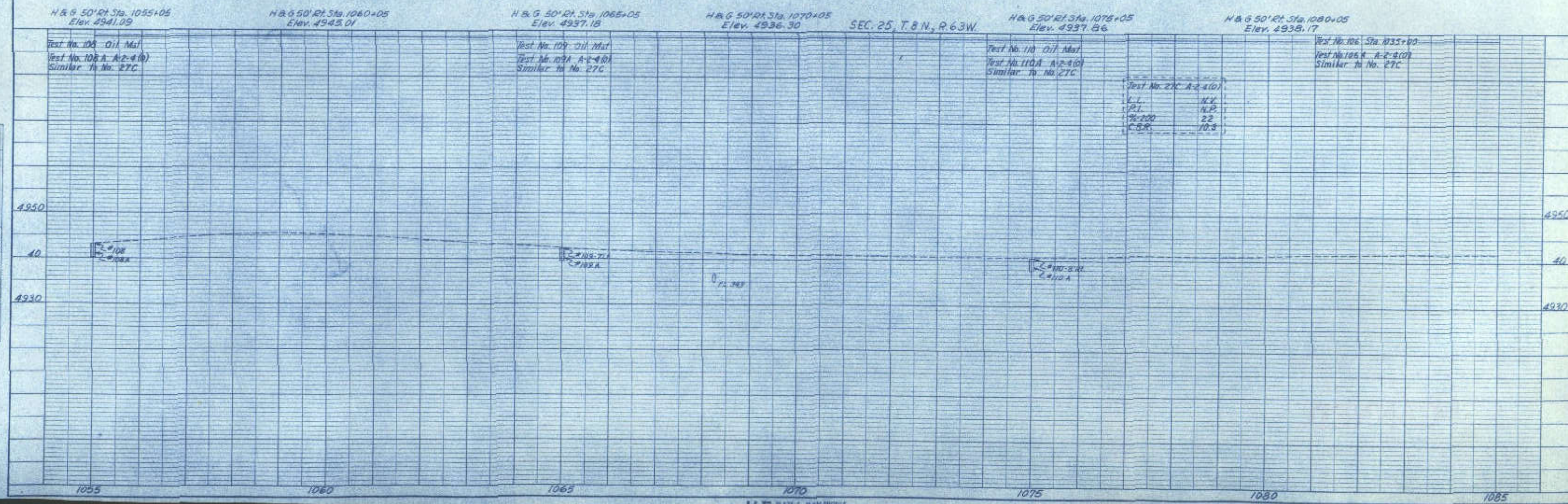


SEC. 24, T.8 N., R.63 W.



PLAN
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 CHECKED BY
 DATE
 10/1/00
 10/1/00
 10/1/00

PROFILE
 DRAWN BY
 CHECKED BY
 DATE
 10/1/00
 10/1/00
 10/1/00



Test No. 27C A-2-4(0)	
L.I.	N.Y.
P.L.	N.P.
M-200	22
C.B.R.	10.3

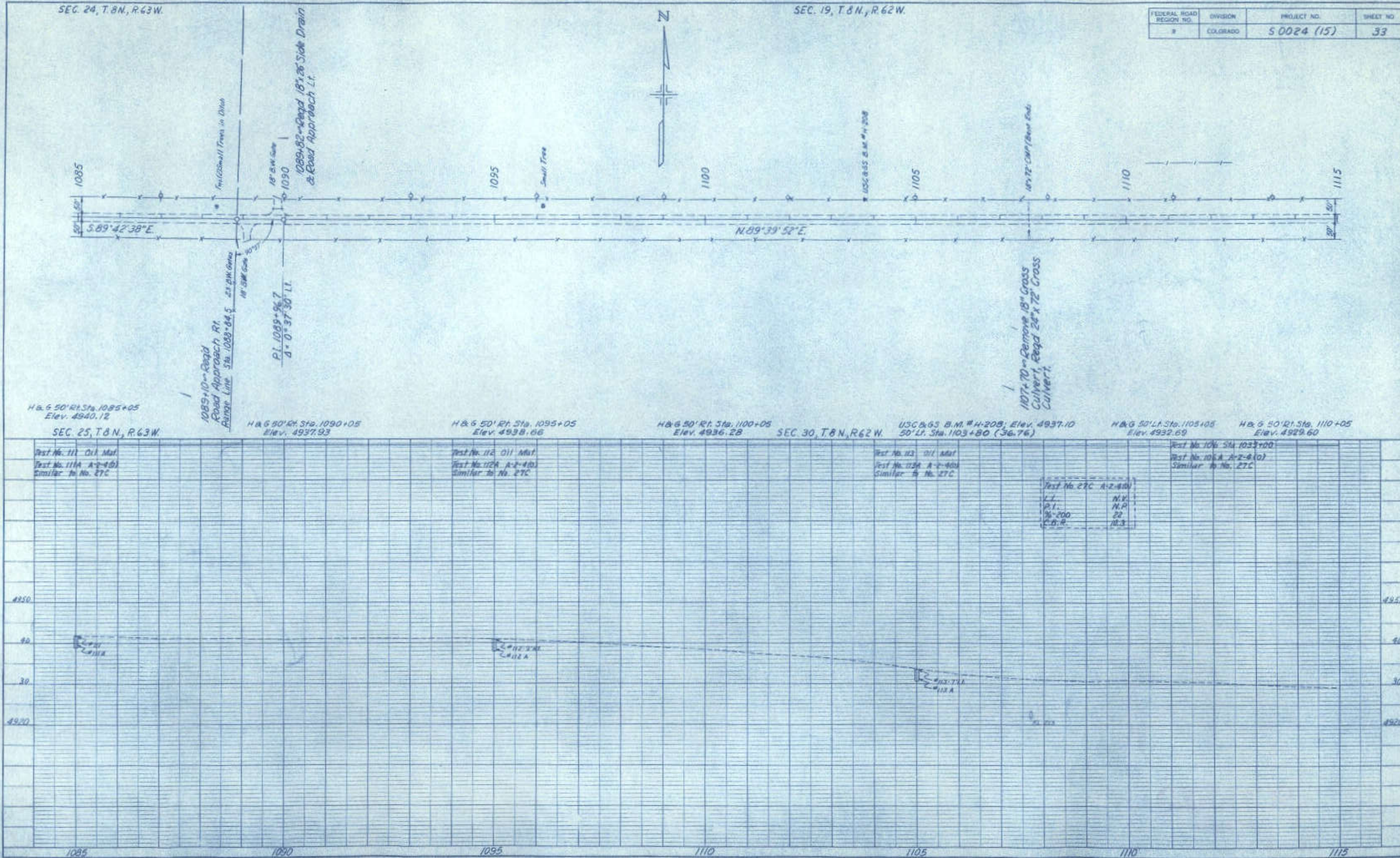
SEC. 24, T.8N, R.63W.

SEC. 19, T.8N, R.62W.

FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NO.
8	COLORADO	50024 (15)	33

PLAN	DATE
APPROVED	
DESIGNED	
CHECKED	
DATE	

PROFILE	DATE
APPROVED	
DESIGNED	
CHECKED	
DATE	

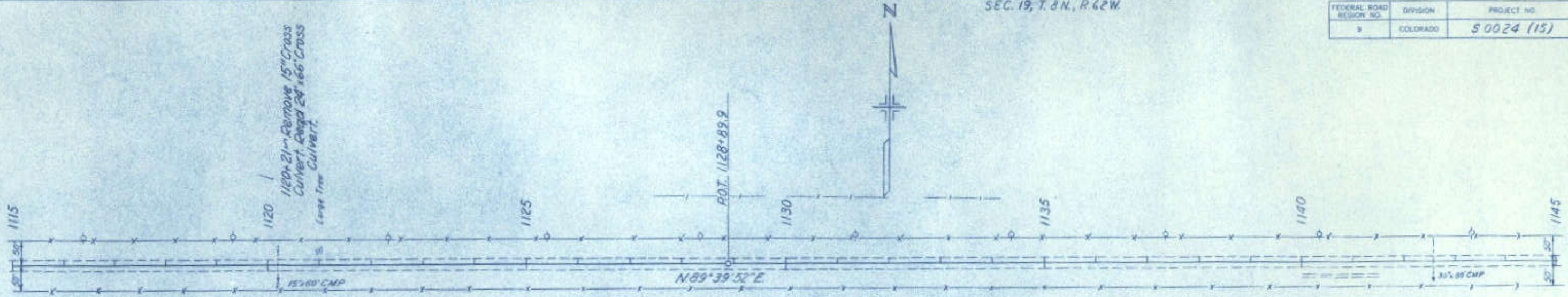


DATE	11/15/54
BY	W. J. M.
CHECKED	
APPROVED	
REMARKS	ADJUSTED TO CORRECT FOR W. J. M.

DATE	11/15/54
BY	W. J. M.
CHECKED	
APPROVED	
REMARKS	ADJUSTED TO CORRECT FOR W. J. M.

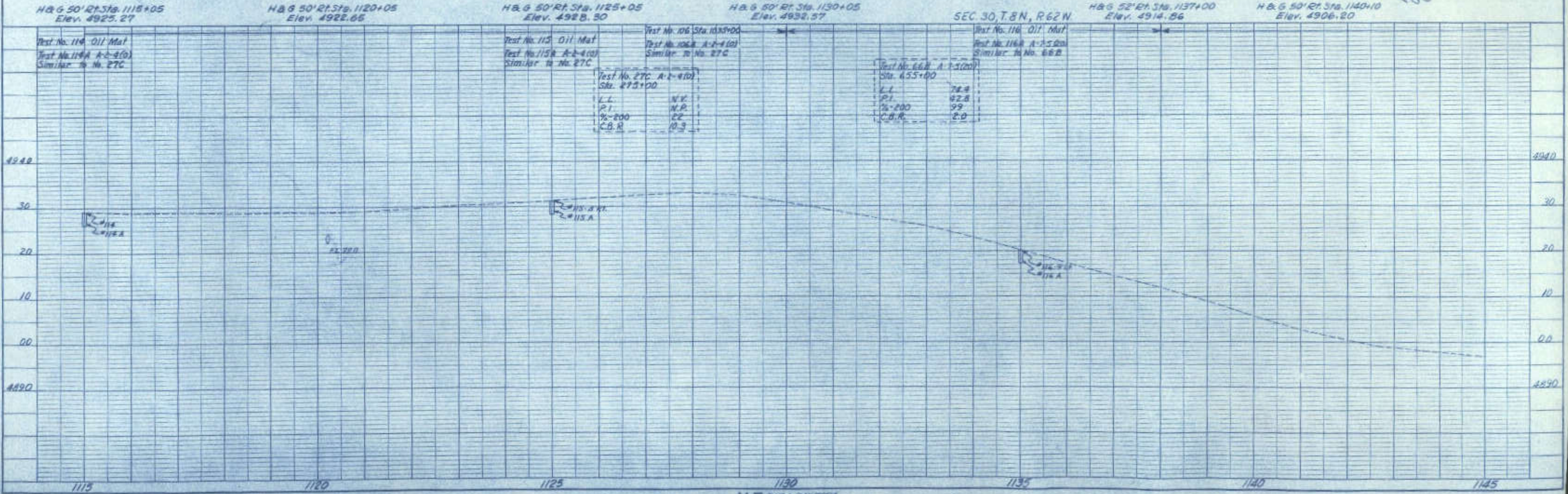
SEC. 19, T. 8 N., R. 62 W.

FEDERAL ROAD DISTRICT NO.	DIVISION	PROJECT NO.	SHEET NO.
9	COLORADO	S 0024 (15)	34



1140+00 to 1141+50 = Fill Low spot Rt & Asphaltic Pave ditch Rt (Details on Sheet No. 2)

1142+58 = Extend 30\"/>

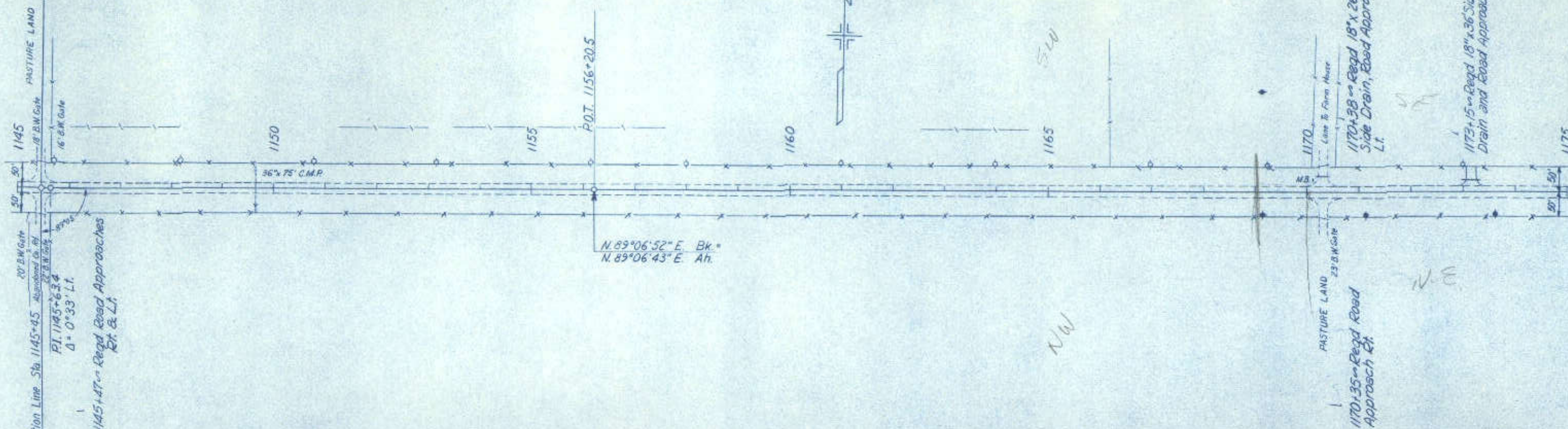


T.8N., R.62W.

SEC. 20, T.8N., R.62W.

FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NO.
9	COLORADO	50024 (15)	35

PL	DATE
PL 1145+45	
NOTE: ALL DIMENSIONS SHOWN ARE IN FEET AND INCHES.	
NO. 25	

SEC. 30
T.8N., R.62W.H&G 50' Rt. Sta. 1148+30
Elev. 4892.89H&G 50' Rt. Sta. 1153+05
Elev. 4893.02H&G 50' Rt. Sta. 1158+05
Elev. 4887.33

SEC. 29, T.8N., R.62W.

H&G 50' Rt. Sta. 1165+20
Elev. 4869.52H&G 50' Rt. Sta. 1167+75
Elev. 4851.85H&G 50' Rt. Sta. 1172+65
Elev. 4833.91

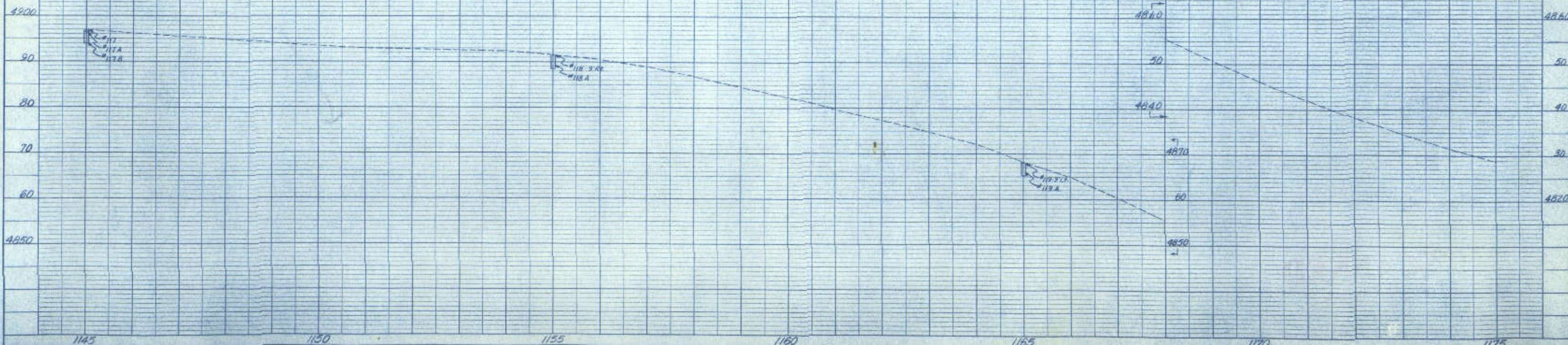
Test No. 117 Oil Mat
Test No. 117A A-2-4(12)
Similar to No. 28B
Test No. 117B A-2-4(10)
Similar to No. 27C

Test No. 28B A-2-4(12)	Sta. 28
LL.	44.9
PI.	22.1
%-200	6.8
C.B.R.	8.8

Test No. 27C A-2-4(10)	Sta. 273+00
LL.	N.V.
PI.	N.P.
%-200	22
C.B.R.	10.3

Test No. 118 Oil Mat
Test No. 118A A-2-4(10)
Similar to No. 27C

Test No. 119 Oil Mat
Test No. 119A A-2-4(10)
Similar to No. 27C



PROFILE	DATE
PL 1145+45	
NOTE: ALL DIMENSIONS SHOWN ARE IN FEET AND INCHES.	
NO. 25	

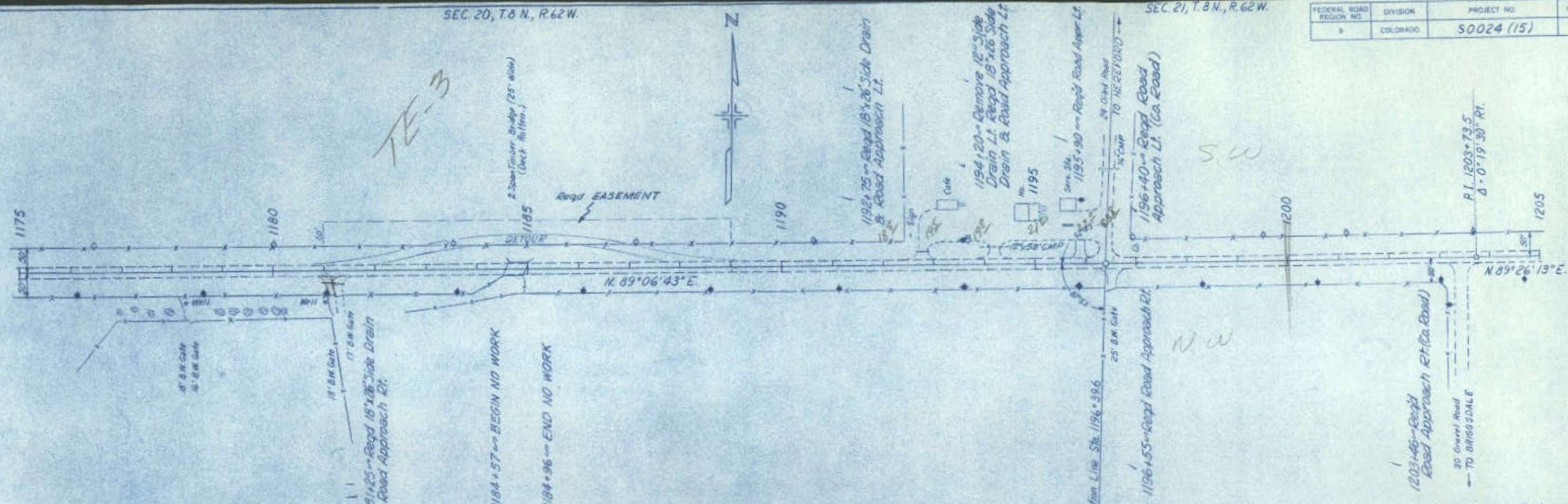
PLAN	DATE
NO. 100	1955
NO. 100	1955
NO. 100	1955

PROFILE	DATE
NO. 100	1955
NO. 100	1955
NO. 100	1955

SEC. 20, T.8 N., R.62 W.

SEC. 21, T.8 N., R.62 W.

FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NO.
9	COLORADO	50024 (15)	36



H&G 50' RT. Sta. 1180+05
Elev. 4819.28

SEC. 29, T.8 N., R.62 W.

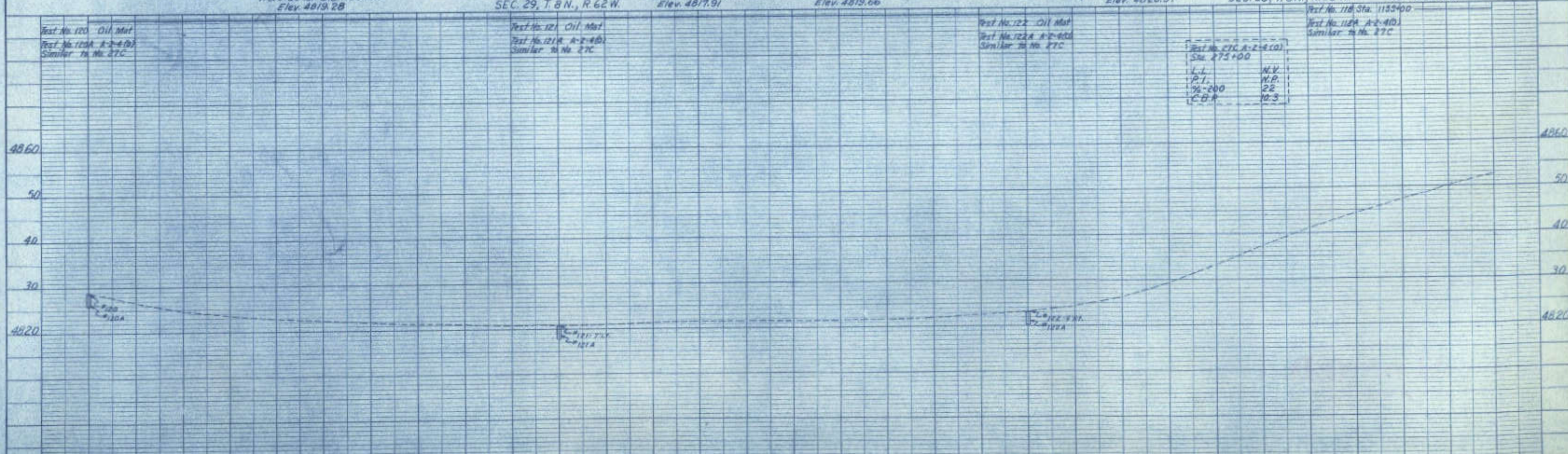
H&G 50' RT. Sta. 1185+05
Elev. 4817.91

H&G 50' RT. Sta. 1190+05
Elev. 4819.66

H&G 50' RT. Sta. 1195+05
Elev. 4820.07

SEC. 28, T.8 N., R.62 W.

H&G 50' RT. Sta. 1199+35
Elev. 4836.01



DATE	
BY	
CHECKED	
DESIGNED	
IN CHARGE	
NOTE: DRAWN IN CONFORMITY WITH CHICAGO STANDARD SPECIFICATIONS FOR HIGHWAYS (REV. 1955)	

DATE	
BY	
CHECKED	
DESIGNED	
IN CHARGE	
NOTE: DRAWN IN CONFORMITY WITH CHICAGO STANDARD SPECIFICATIONS FOR HIGHWAYS (REV. 1955)	

FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NO.
9	COLORADO	50024 (15)	37

