



COLORADO
Department of
Transportation

DOCUMENT SEPARATOR SHEET

REGION 5 – JUNE 2017 CONVERSION

To be placed at the beginning of each separator sheet.



r500001571

Description:

ROW Plans 11X17

Route # and Mile Points:

SH 41

Originating Office:

ROW/Survey

File Name:

FLH 10(1)_ROW(.PDF)

Box Location:

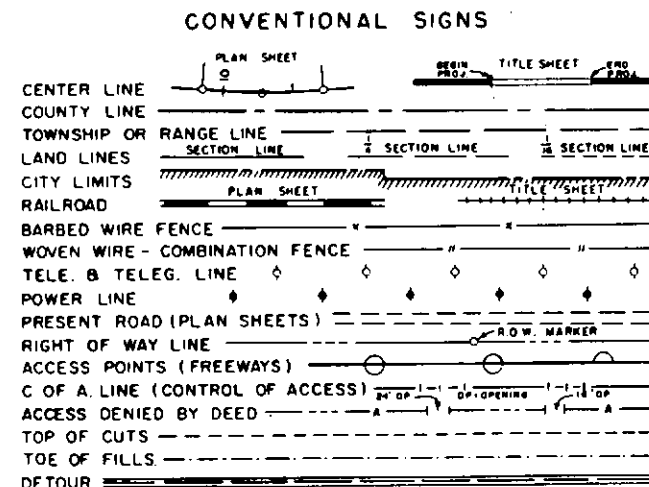
25 of 38

DEPARTMENT OF HIGHWAYS STATE OF COLORADO

PLAN AND PROFILE OF PROPOSED FEDERAL AID PROJECT NO. FLH 10 (1) STATE HIGHWAY NO. 41 MONTEZUMA COUNTY

RIGHT OF WAY FOR COLORADO PORTION OF
PROJECT PURCHASED UNDER PROJECT NO.
C 32-8032-02

FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NO.
9	COLORADO	FLH 10 (1)	1



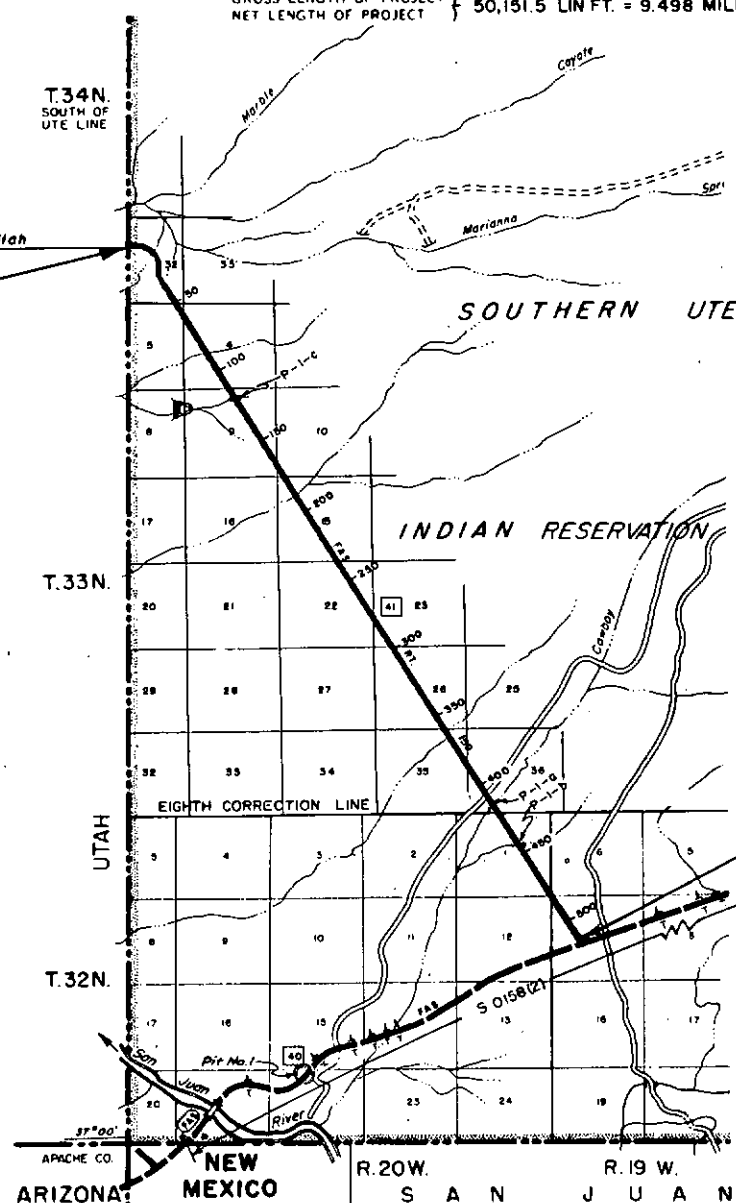
SCALES OF ORIGINAL DRAWINGS
ON PLAN, 1 IN. = 100 FT.
ON PROFILE, 1 IN. = 100 FT. HORIZONTAL
1 IN. = 10 FT. VERTICAL
GRADE LINE ON PROFILE IS SHOWN AS GRADE OF FINISHED ROAD
GROSS LENGTH OF PROJECT } 50,151.5 LIN. FT. = 9.498 MILES
NET LENGTH OF PROJECT }

INDEX OF SHEETS	
SHEET NO. 1	Sketch Map, Title Page and Tabulation of Length and Design Data.
2	Typical Section and General Notes.
3	Summary of Approximate Quantities.
4-5	List of Structures.
6	Subbase, Surfacing, Delineators, R.O.W. Markers, Details of Asphalt Collar and Riprap.
7	Pit Location
8-25	Alignment Plan and Profile.
26	Summary of Earthwork Quantities.
27-43	Cross Sections for Structures.
	Superelevation and Widening of Curves - Crowned Highways
	Approach Roads, Flaring, Cut Slope Treatment, Bridge and Crest Widening.
	Construction Traffic Signs. (2 Sheets)
	Identification Signs.
	Ditch Types.
	Backfill Around Structures.
	Multiple Plate Culvert Details.
	Marker Posts and Bench Marks.
	Cattle Guard, 26 Ft., 28 Ft. and 30 Ft. Roadway
	Timber Barricades.
	Delineators (2 Sheets)
	Culvert Pipe

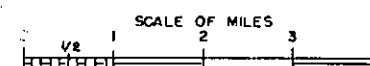
M-1-D	2-3-64
M-2-A	2-3-64
M-6-B	1-31-64
M-6-CA	1-31-64
M-13-A	2-3-64
M-16-A	1-31-64
M-57-A	4-14-64
M-81-A	1-31-64
M-82-C	1-31-64
M-142-A	2-3-64
M-192-AA	1-28-64
M-45-A	4-29-64

TABULATION OF LENGTH AND DESIGN DATA

STATION	ROADWAY LIN. FT.
STA. 11+76.2 BEGIN FLH 10 (1) = COLORADO - UTAH STATE LINE	50,151.5
STA. 513+27.7 END FLH 10 (1) = 126.3 Ft. LT. OF STA. 309+12.5 ON S 0158 (2)	
TOTAL	50,151.5
SUMMARY	LIN. FT. MILES
TOTAL - ROADWAY NET & GROSS LENGTH	50,151.5 9.498
DESIGN DATA	
MAXIMUM DEGREE OF CURVE	2°00'
MAXIMUM GRADE	4.37 %
MINIMUM S.S.D. - HORIZONTAL	733'
MINIMUM S.S.D. - VERTICAL	476'
MAXIMUM DESIGN SPEED	50 MPH



STA. 513+27.7 END FLH 10 (1) =
126.3 Ft. LT. OF STA. 309+12.5 ON S 0158 (2)



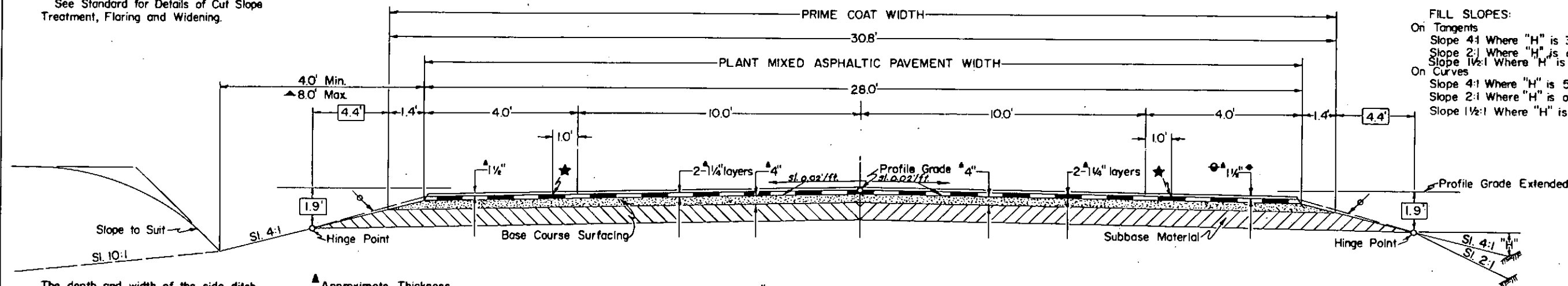
SEE SPECIAL PROVISIONS FOR
NOTICE TO BIDDERS

DEPARTMENT OF HIGHWAYS STATE OF COLORADO	
APPROVED:	DATE
<i>L. C. Brown</i>	5-13-64
CHIEF ENGINEER	By <i>L. C. Brown</i> Deputy Chief Eng.
DEPARTMENT OF COMMERCE BUREAU OF PUBLIC ROADS	
APPROVED:	DATE
DIVISION ENGINEER	
<i>J.R.H.</i>	

TYPICAL SECTION

FEDERAL ROAD DESIGN NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLORADO	FLH 10(11)	2	

See Standard for Details of Cut Slope Treatment, Flaring and Widening.



FILL SLOPES:
On Tangents
Slope 4:1 Where "H" is 3' or less.
Slope 2:1 Where "H" is over 3'.
Slope 1½:1 Where "H" is over 3'(Rock)
On Curves
Slope 4:1 Where "H" is 5' or less.
Slope 2:1 Where "H" is over 5'.
Slope 1½:1 Where "H" is over 5'(Rock)

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.

Excavation below 4:1 slope and/or 10:1 slope will not be permitted.

- ▲ Approximate Thickness.
- Asphaltic Pavement Future Construction.
- ★ Location of solid white painted stripes.
- ✂ Contractor will be required to blade Slope Material to this line after completion of Paving Operation.
- ▲ Width used for Quantities.

Approximate 6½" compacted thickness of Gravel or Crushed Rock Surfacing shall be placed in separate courses at the following rates per 100 lin. ft. of roadway:

Plant Mixed Asphaltic Pavement..... 21 Tons(each layer)
Base Course Surfacing..... 66 Tons

Material above the subgrade is to be constructed of Subbase Material at locations designated in Subbase Material tabulation. Estimated quantities involved in this operation and thickness of material required are tabulated in the Subbase Material Plan.

GENERAL NOTES

This project is to be constructed in conformity with the Standard Specifications of the Colorado Department of Highways, adopted Jan. 1, 1958.

All quantities on preliminary plans are to be considered approximate only.

Thickness of Subbase, Base Course Surfacing and Asphaltic Pavement Materials as shown on plans is approximate only. These materials are to be placed on basis of tonnages shown on Plans.

During construction of this Project, traffic will use the present traveled roadway.

Approximate location and quantities involved in construction of intercepting ditches are tabulated on Summary of Earthwork Quantities sheet.

If excavation operations develop materials which will stand on slopes steeper than slope stake lines, the Department reserves the right to change cut slopes during the progress of such excavations.

For preliminary plan quantities of Asphaltic Road Materials the following rates of application were used.

PRIME COAT..... at 0.40 Gals. per Sq. Yd.
PAVING ASPHALT..... at 5.5 %by weight.

Rate of application and grade of Asphaltic Material shall be as determined by the Engineer at time of application.

Asphaltic Ditch Paving(Asphalt Collar) is to be placed at ends of cross culverts with less than 6 ft. of cover and at any other locations designated by the Engineer.

Bottom Layer of Asphaltic Surfacing shall be completed for full width before Top Layer of Asphaltic Surfacing is placed. Paving joints in Top Layer will overlap min. 1 ft over joints in Bottom Layer.

SUMMARY OF APPROXIMATE QUANTITIES

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	COLORADO	FLH 10(1)	3	

[illegible]

LIST OF STRUCTURES

FED. ROAD DIVISION NO.	DISTRICT	PROJECT NO.	SHEET NO.	TOTAL SHEETS
2	COLO.	FLH 10(1)	4	

LOCATION	DESCRIPTION	REMOVE STRUCTURE		EXCAVATION			UNCLASSIFIED STRUCTURAL EXCAVATION - MISC.			STRUCTURE BACKFILL	MECH. TAMPING	GRAVEL OR CRUSHED ROCK SURFACING		CONCRETE		REINFORCING STEEL		CORRUGATED METAL CULVERT PIPE					PLANT MIXED ASPH. DIT. PAVING	METAL APRONS FOR C.M.P. CULVERTS		MISCELLANEOUS		
		NO.	KIND	CUBIC YARDS			CUBIC YARDS			CUBIC YARDS				CUBIC YARDS				LINEAR FEET						TON	NO.			
				UNCL.	EMB.	SPILL				CL. "A"				CL. "B"	24"			36"	48"	60"								
11+ 11+ 11+76		1			200				17		*			10.4		525									1-Timbr. Barricade (Class I-Type C) (40 Cu. Yds. Uncl. Str. Excav. Bridges 0.323 M ft. bm. Misc. Tr. Timber 6,255 lbs. Structural Steel			
14+00 23+25 29+40							18 14 57		21 11 55									70 54				1.5			128 lin. ft. 36" Corr. Mtl. Culv. Pipe (12 ga.)			
38+00 40+75							16 30		21 34																112 lin. ft. 24" Corr. Mtl. Culv. Pipe (14 ga.) 114 lin. ft. 36" Corr. Mtl. Culv. Pipe (12 ga.)			
46+20 58+50 61+00							27 29 9		30 28 13									100 66 64				2.5 1.5						
68+90 73+00							20 10	16 14	14 10									70 52				2.0 2.0						
78+50 100+50 104+35							5 15 8	6 11 8	11 10 10									52 52 52				1.5 1.5 1.5						
108+10 116+00							19 5		21 12									68 58				2.5 2.0						
116+ to 117+ 117+30 129+70					110			47	192 18																780 Cu. Yds. Compaction 74+74 lin. ft. of 84" Asb. Bonded Corr. Mtl. Culv. Pipe, 12 Cu. Yds. Riprap			
143+00 147+00							10 5		13 12									66 52				1.0 1.5						
160+00 166+00 176+40							1 21		13 42 17									58 66 66 66				1.5 2.5			40 Cu. Yds. Uncl. Str. Excav. Bridges 0.323 M ft. bm. Misc. Tr. Timber 6,255 lbs. Structural Steel			
193+00 200+25							5 1	7	10 13									52 56				1.5 1.5						
204+00 217+00 219+20							5 1 5	3 1 20	24 15 21									60 62 70				3.0 1.5 3.0						
224+00 227+00							9 9		12 12									60				1.5 1.5			60 lin. ft. 24" Asbestos Bonded Corr. Mtl. Culv. Pipe			
232+70 243+00							8 5		11 12													2.0 1.5			56 lin. ft. 24" Asbestos Bonded Corr. Mtl. Culv. Pipe			

LIST OF STRUCTURES

COLORADO STATE HIGHWAY DEPARTMENT
S.H.D. Form 100
JANUARY 1962

FED. ROAD DIVISION NO.	DISTRICT	PROJECT NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	FLH 10(1)	5	

LOCATION	DESCRIPTION	REMOVE STRUCTURE	EXCAVATION			UNCLASSIFIED STRUCTURAL EXCAVATION- MISC.	STRUCTURE BACKFILL	MECH. TAMPING	GRAVEL OR CRUSHED ROCK SURFACING		CONCRETE	REINFORCING STEEL		CORRUGATED METAL CULVERT PIPE				PLANT MIXED ASPH. DIT. PAVING	METAL APRONS FOR C.M.P. CULVERTS	MISCELLANEOUS										
			CUBIC YARDS											CUBIC YARDS	CL. "X"	HOURS	TONS				CUBIC YARDS	CL. "A"	CL. "B"	LBS.	LINEAR FEET					
			NO.	KIND	UNCL.																				EMB.	EMB. DITCH	24"	36"	48"	60"
245+70					20	62	47								84		8.5	{ 68 lin. ft. 48" Asbestos Bonded Corr. Mtl. Culv. Pipe												
257+00						30	25									2.5														
267+50					10	13	10							52		1.5														
272+00						21	28							80																
279+45					5	18	21							66		1.0														
290+00						10	12							66		1.0														
293+00						12	15							78																
303+00						9	12							60		1.0														
322+50						10	9							52		1.5														
332+00						8	11							54		1.5														
336+00						9	10							58		2.0														
342+00						9	22							58		3.0														
353+20						8	9							54		1.5														
364+00						9	10							58		1.0														
366+60						9	10							58		1.5														
370+65					5	8	11							54		1.5														
382+00						8	9							52		1.5														
392+55					5	8	9							52		2.0														
406+65					5	13	14							74				3,000 Cu. Yds. Compaction												
410+ to 413+ 411+ to 412+30				±																										
412+30			3,000			54												{ 100 lin. ft. 120" Multiple Plate Corr. Mtl. Pipe Culvert												
416+00						8	10							52		2.0														
434+00						9	10							60		1.5														
438+29			2,500			51												{ 102 lin. ft. 120" Multiple Plate Corr. Mtl. Pipe Culvert												
439+ to 440+50				±																										
440+ to 440+65																		2,000 Cu. Yds. Compaction												
445+50						8	9							52		2.0														
466+00						9	10							60		1.0														
473+00						22	20							76																
481+50					20	26	16							60		2.5														
502+00					10	10	9							52		1.5														
510+00						10	10							58		1.5														
513+ 513+				ø					*									1-Timbr. Barricade (Class I-Type C)												
TOTALS		1	5610	200	190	925	1143			20.8	1,050	2746	492	66	84	89.0														

* Included in Surfacing Plan.
ø Included in Roadway Quantities.
±± To be obtained from Channel Improvements.

It is estimated that material for Subbase and Surfacing for the Project is available in the vicinity of the pit indicated in the following tabulation. Estimated quantities involved in these operations are shown below.
Alteration of the Subbase and Surfacing Plans as here outlined will be allowed only on written permission from the Department.

SUBBASE AND SURFACING PLAN

MATERIAL TO BE PLACED	SOURCE AND AVAILABLE	SUBBASE		SURFACING			OVERHAUL		
		CLASS "3"		GRADING "C" TONS			TON MILES		
		APPROX. THICKNESS	TONS	PLANT MIX		BASE COURSE	SUBBASE	PLANT MIX	BASE COURSE
				TOP COURSE	BOTTOM COURSE				
Est. for Appl. to Proj. Sta. 11±	Pit #1		118	10	10	33	1,522	258	426
11+76.2 to 513+27.7	Haul 3.4 Miles to 513+27.7	12"	117,856	10,532	10,532	33,100	960,526	171,672	269,765
Est. for Appl. to Proj. Sta. 513±	Ample Material		118	10	10	33	402	68	112
Est. for Irregularities	"R"-67 (Subbase)		11,549			3317	94,125		27,030
Crest of grade widening Overhaul for Slope Paving	"R"-76 (Surfacing)		260				2,120	720	
TOTAL			129,901	10,552	10,552	36,483	1,058,695	172,718	297,333

Based on Curve "C"

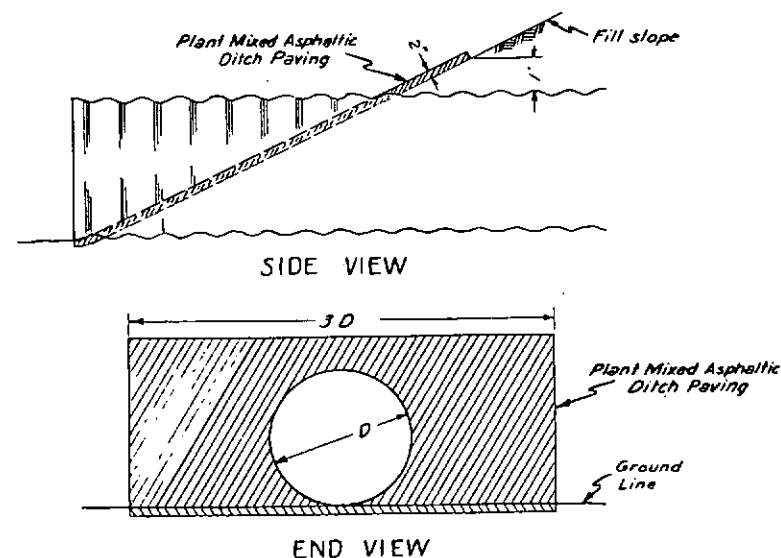
DELINEATORS

STATION	SIDE	SPACING	NUMBER	
			TYPE I	
12+46 to 20+46	Lt. & Rt.	0°30' Curve	6	
25+54 to 41+11	Lt. & Rt.	2°00' Curve	16	
43+75 to 63+75	Lt. & Rt.	1°30' Curve	16	
67+06 to 92+86	Lt. & Rt.	0°30' Curve	15	
96+86 to 510+86 (begin on left side)	Lt. & Rt.	Tangent	104	
513+00	Lt. & Rt.		2	
TOTAL			159	

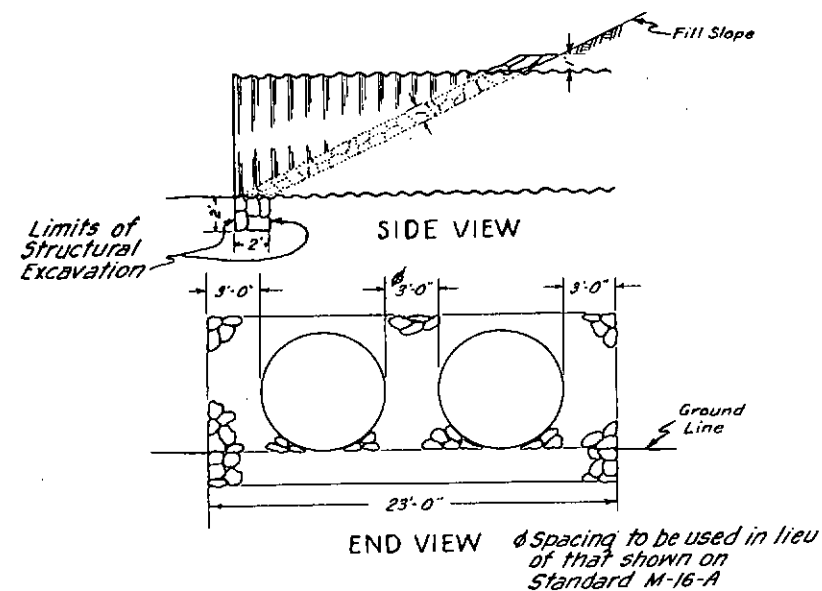
RIGHT OF WAY MARKERS

STATION	SIDE	NUMBER
11+76.2 on State Line	Lt. & Rt.	2
73.26+96.2	Lt. & Rt.	2
S.T. 43+11.2	Lt. & Rt.	2
P.T. 54+75.2	Lt. & Rt.	2
P.C. 75+06.2	Lt. & Rt.	2
P.T. 84+86.2	Lt. & Rt.	2
98+00	Lt.	1
111+00	Rt.	1
124+00	Lt.	1
137+00	Rt.	1
150+00	Lt.	1
163+00	Rt.	1
176+00	Lt.	1
189+00	Rt.	1
202+00	Lt.	1
215+00	Rt.	1
228+00	Lt.	1
242+00	Rt.	1
255+00	Lt.	1
268+00	Rt.	1
281+00	Lt.	1
294+00	Rt.	1
307+00	Lt.	1
320+00	Rt.	1
333+00	Lt.	1
347+00	Rt.	1
360+00	Lt.	1
373+00	Rt.	1
386+00	Lt.	1
399+00	Rt.	1
412+00	Lt.	1
425+00	Rt.	1
439+00	Lt.	1
452+00	Rt.	1
465+00	Lt.	1
478+00	Rt.	1
491+00	Lt.	1
504+00	Rt.	1
513+00	Lt.	1
TOTAL		45

DETAILS OF ASPHALT COLLAR



DETAILS OF RIPRAP, STA. 117±



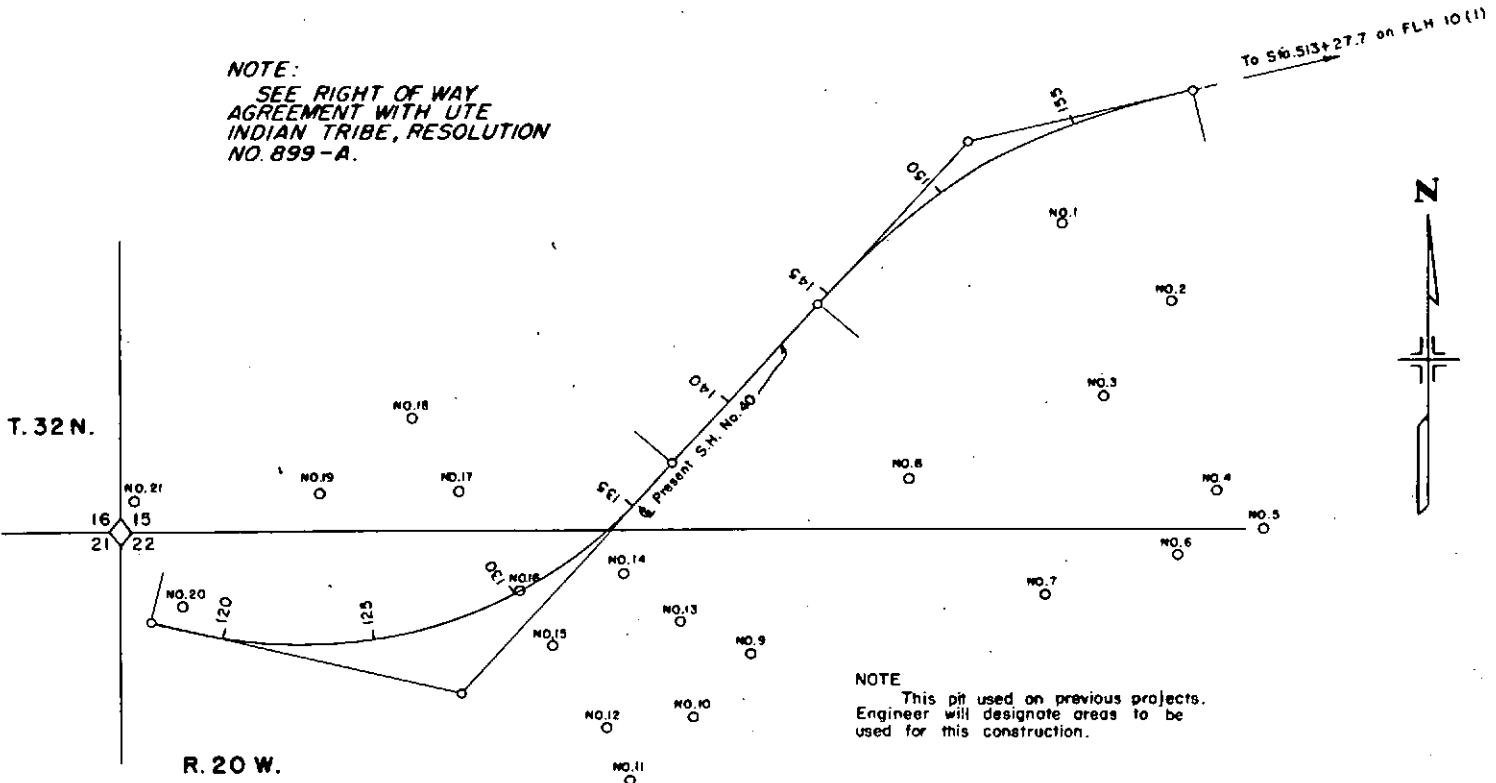
LOCATION OF MATERIAL PITS

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLORADO	FLH 10 (1)	7	

PIT NO. 1

LOCATION: Sec. 15 & 22, T. 32 N., R. 20 W., N.M.P.M.
OWNER: Southern Ute Indians, Ute Indian Res., Towaoc, Colo.
QUANTITY AVAILABLE: Ample
PROPOSED USE: Subbase, Surfacing and Aggregate for
Plant Mixed Surfacing
HAUL DISTANCE: 3.4 Miles to Sta. 513+27.7
ESTIMATED FOR STRIPPING OVERBURDEN = 2500 Cu. Yds.

NOTE:
SEE RIGHT OF WAY
AGREEMENT WITH UTE
INDIAN TRIBE, RESOLUTION
NO. 899-A.



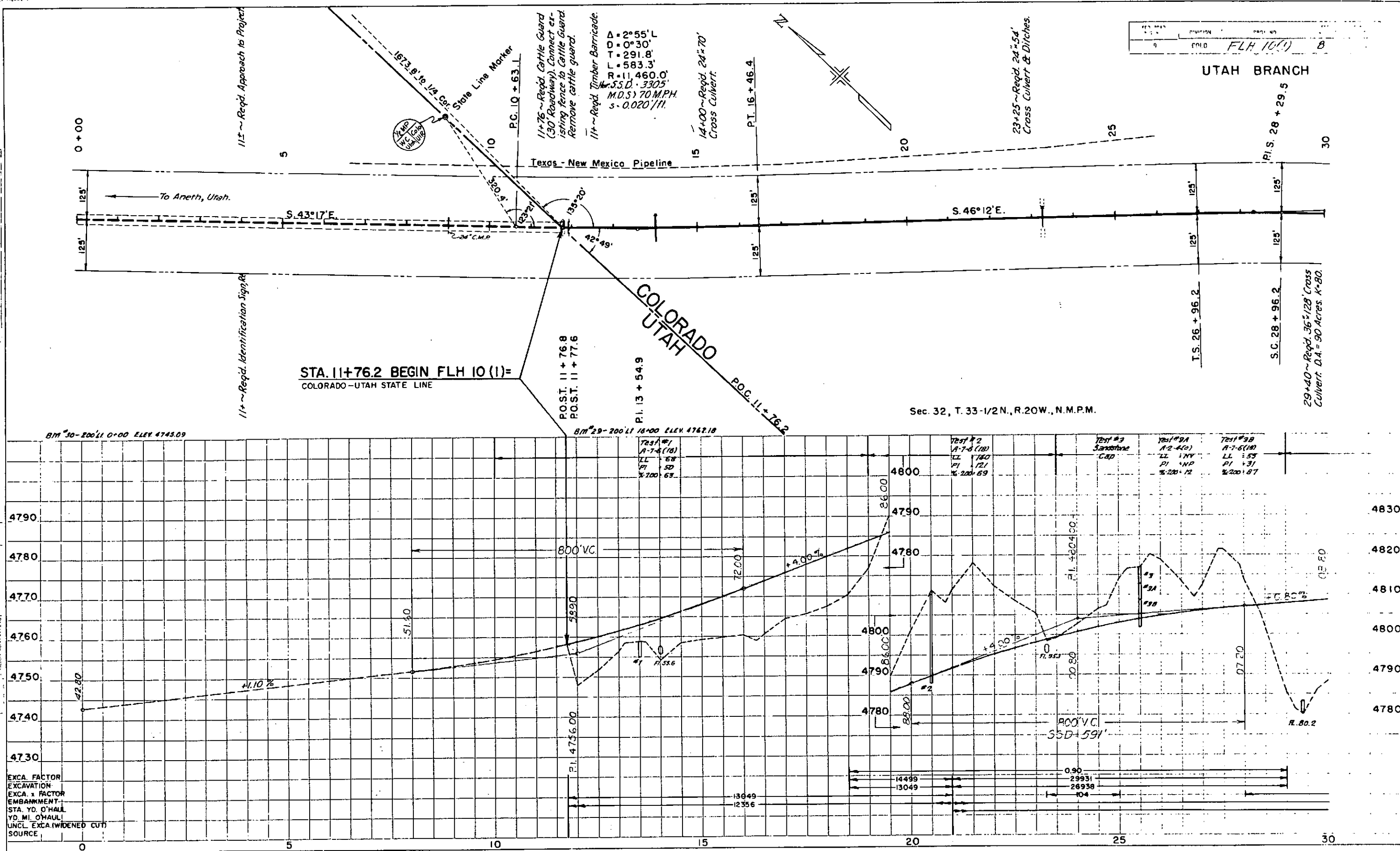
NOTE
This pit used on previous projects.
Engineer will designate areas to be
used for this construction.

FIELD SAMPLE No. 2375

TEST NO.	DEPTH	DESCRIPTION	TEST NO.	DEPTH	DESCRIPTION
1	0.0 2.5	Overburden	12A	3.0 7.0	Sand & Gravel
1A	2.5 9.0	Sand & Gravel	12B	7.0 15.0	Sand & Gravel
1B	9.0 12.0	Sand	13	0.0 6.0	Overburden, Sim. to 11
2 & 2A	0.0 5.0	Hole no good	13A	6.0 9.0	Sand & Gravel, Sim. to 12B
2B	5.0 11.0	Sand	14	0.0 6.0	Overburden, Sim. to 11, 150' Rt. 133+50
3	0.0 2.0	Overburden, Sim. to 1	14A	6.0 -	Sand & Gravel, Sim. to 12B
3A	2.0 5.0	Sand & Gravel, Sim. to 1	15	0.0 2.0	Overburden, 225' Rt. Sta. 130
4	0.0 3.0	Sand & Gravel, Sim. to 1	15A	2.0 15.0	Sand & Gravel
5	0.0 3.0	Sand & Gravel, Sim. to 1	16	0.0 3.0	Overburden, Sim. to 15
6	0.0 3.0	Sand & Gravel, Sim. to 1	16A	3.0 6.0	Sand, Sta. 130
7	0.0 3.0	Sand & Gravel, Sim. to 1	16B	6.0 10.0	Sand & Gravel
8	0.0 1.5	Overburden, Sim. to 1	17	0.0 2.0	Overburden, Blow Sand
8A	1.5 3.0	Soil & Rock	17A	2.0 5.0	Overburden, Sim. to 15
8B	3.0 8.0	Sand & Gravel	17B	5.0 10.0	Sand & Gravel
9	0.0 4.0	Overburden, Sim. to 1	18	0.0 3.0	Overburden
9A	4.0 2.0	Sand & Gravel	18A	3.0 12.0	Sand & Gravel
10	0.0 1.5	Overburden	19	0.0 1.5	Overburden
10A	1.5 14.0	Sand & Gravel	19A	1.5 15.0	Sand & Gravel
11	0.0 4.0	Overburden	20	0.0 12.0	Sand & Gravel
11A	4.0 9.0	Sand & Gravel, Sim. to 10A	21	0.0 15.0	Sand & Gravel
12	0.0 3.0	Overburden, Sim. to 11			

PLAN	11/17/74	11/17/74	11/17/74
DESIGNED BY	11/17/74	11/17/74	11/17/74
CHECKED BY	11/17/74	11/17/74	11/17/74
APPROVED BY	11/17/74	11/17/74	11/17/74

PROFILE	11/17/74	11/17/74	11/17/74
DESIGNED BY	11/17/74	11/17/74	11/17/74
CHECKED BY	11/17/74	11/17/74	11/17/74
APPROVED BY	11/17/74	11/17/74	11/17/74



38+00 ~ Req'd. 24" x 112"
Cross Culvert.

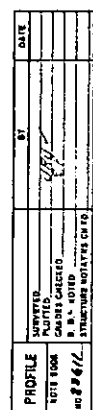
40+75 ~ Req'd. 36" x 114"
Cross Culvert D.A. = 100
Acres. K=80.

P.I.S. 41 + 77.9
Texas - N. Mex. Pipeline
Mile Marker No. 17.967

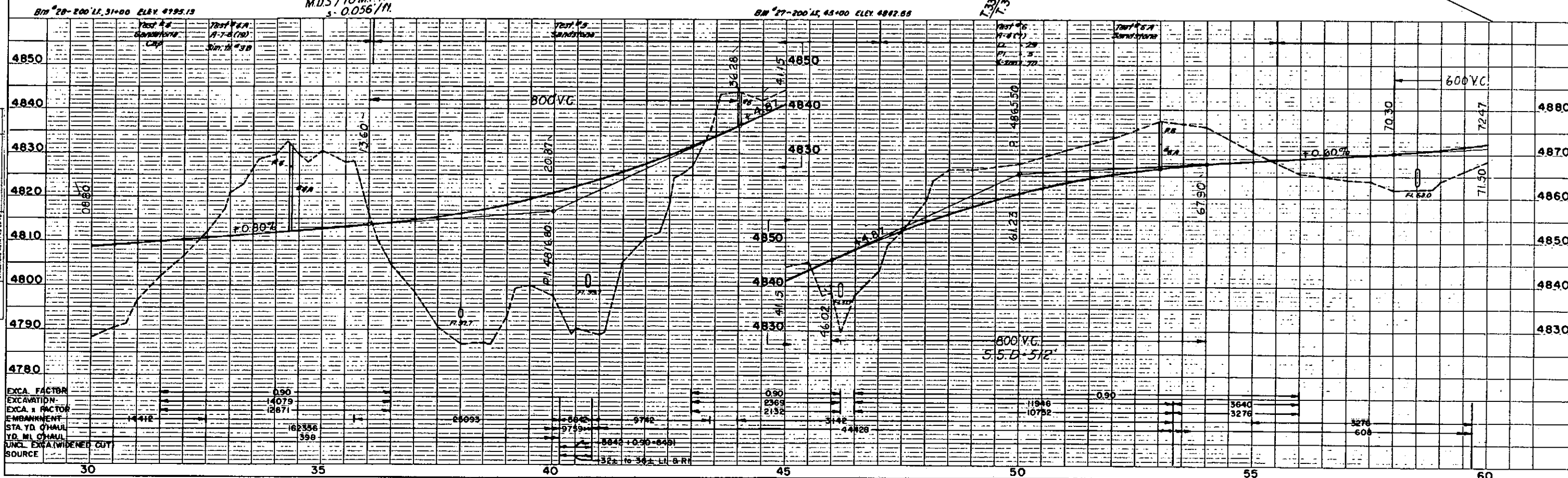
$\Delta = 16^\circ 30' \text{ L}$
 $D = 1^\circ 30'$
 $T = 553.9'$
 $L = 1100.0'$
 $R = 3820.0'$
Hor. S.S.D. = 848'
 $M.D.S. \} 70 \text{ MPH.}$
 $s = 0.042/\text{ft.}$

FED. ROAD REC. NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	FLH 10(1)	9	

UTAH BRANCH
(A) Tel. Line Adjustment 6-12-64 J.R.W.



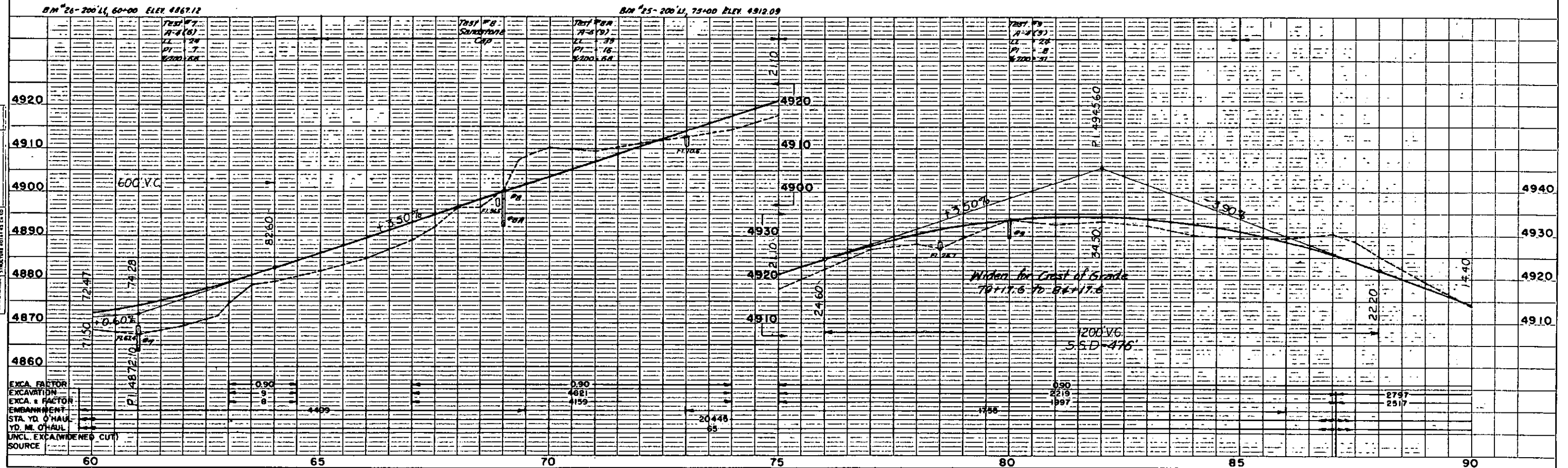
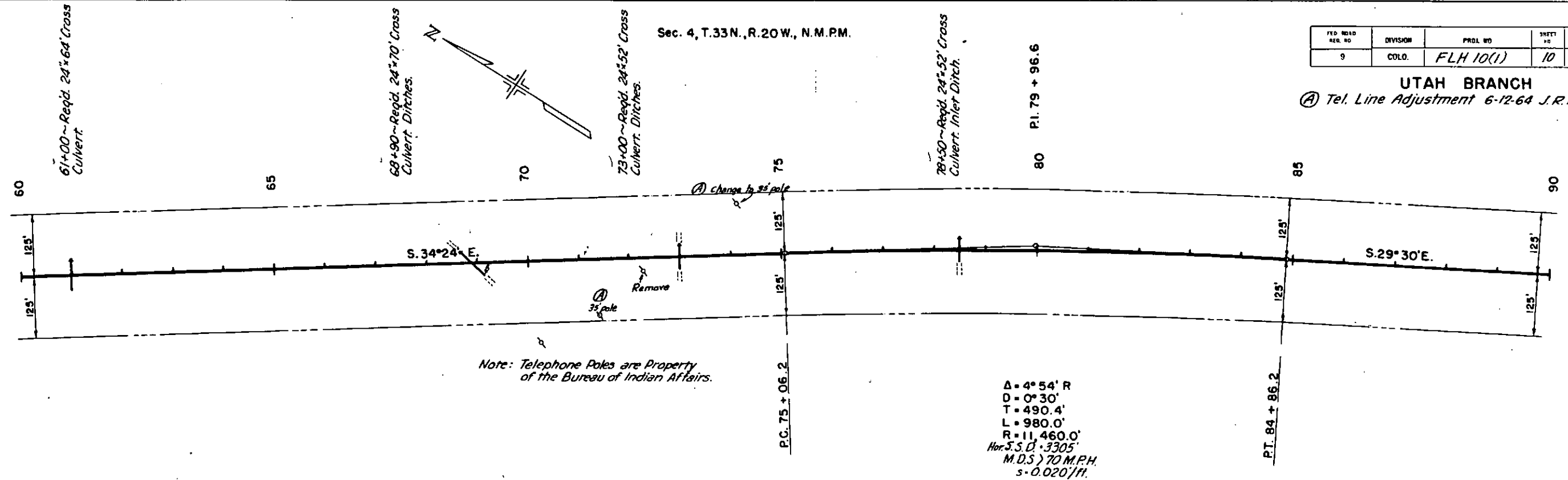
SECRET



FED. ROAD DIST. NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	FLH 10(1)	10	

UTAH BRANCH

(A) Tel. Line Adjustment 6-12-64 J.R.W.

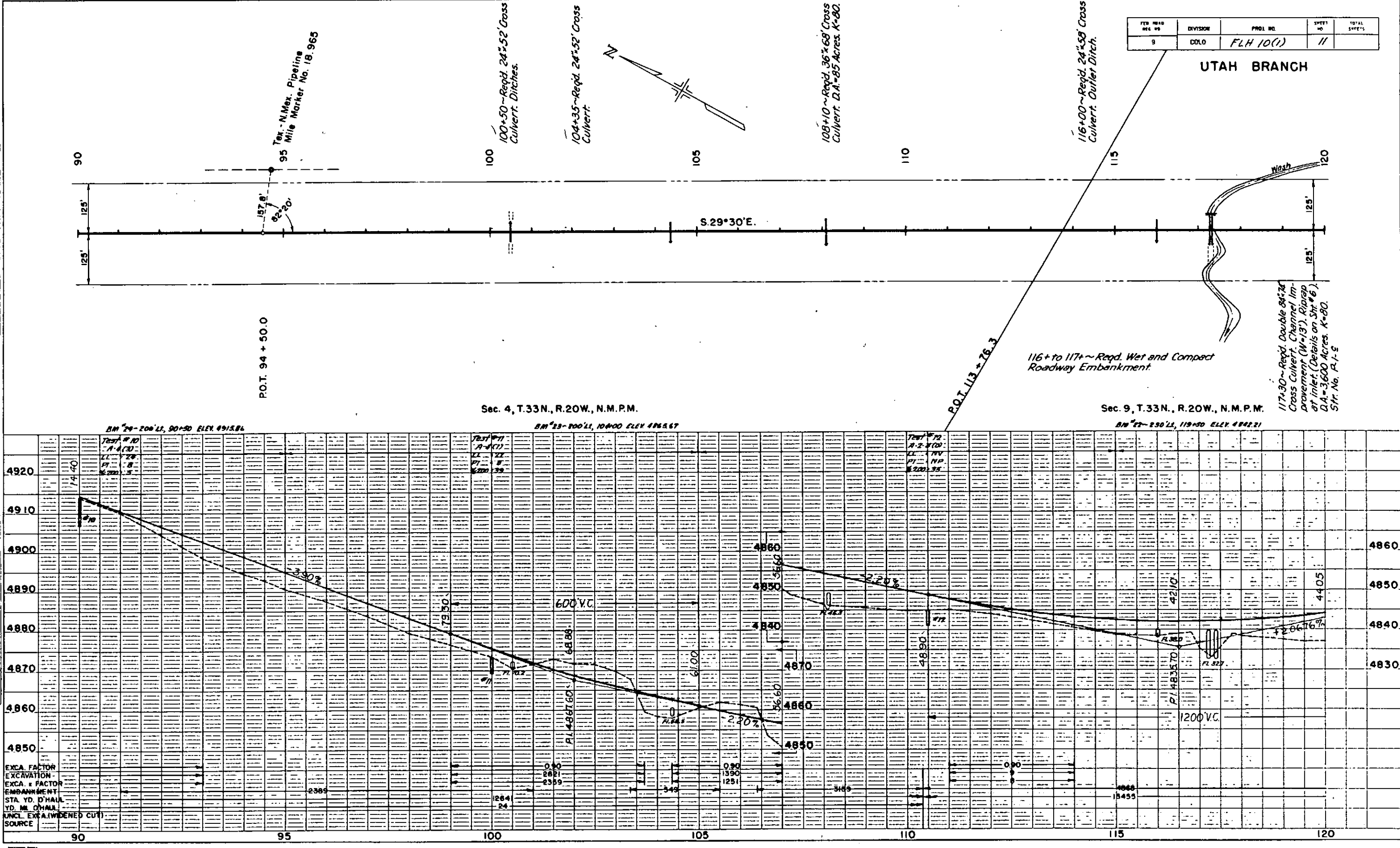


MICROFILMED

1954

PLAN	DATE	BY
DESIGNED		
CHECKED		
APPROVED		
DATE		

PROFILE	DATE	BY
DESIGNED		
CHECKED		
APPROVED		
DATE		



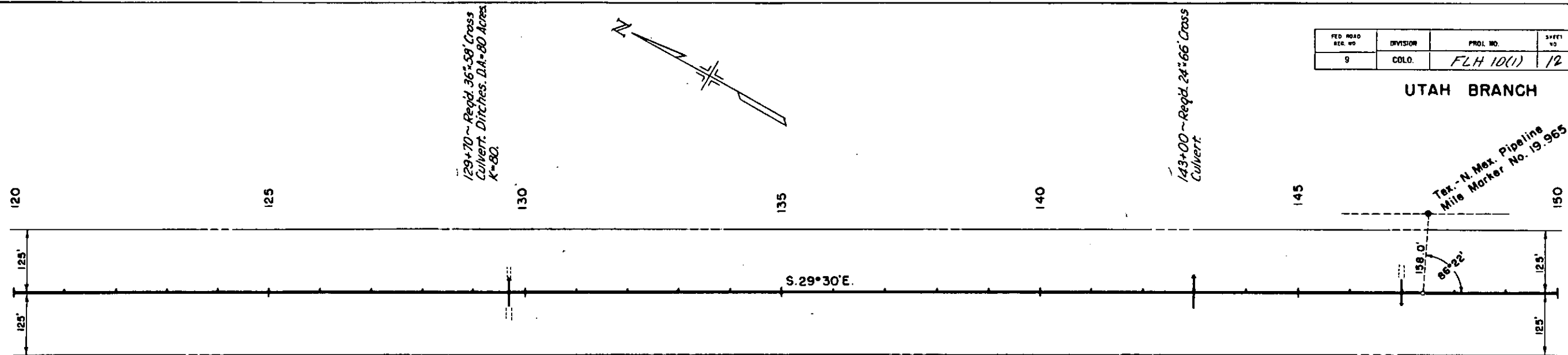
151.3751



PLAN	DATE
PLANNED	12/27/64
DESIGNED	
CHECKED	
APPROVED	

FED. ROAD DIST. NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	FLH 10(1)	12	

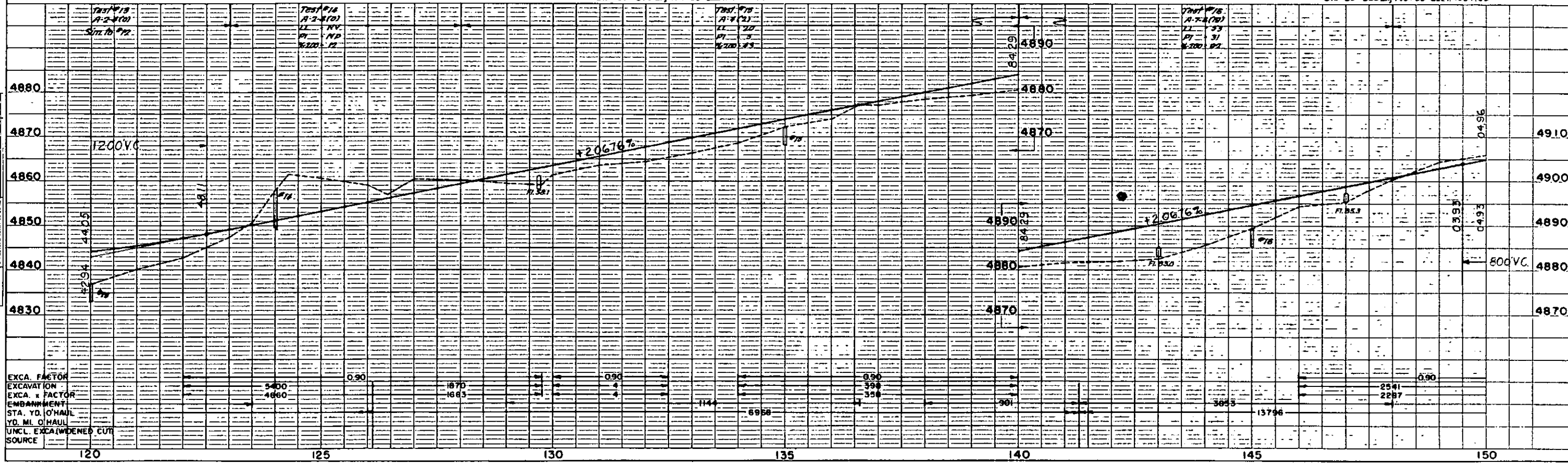
UTAH BRANCH



Sec. 9, T.33 N., R.20 W., N.M.P.M.

B.M. 21-200' L.S., 196+00 ELEV. 4875.87

B.M. 20-200' L.S., 149+00 ELEV. 4904.29

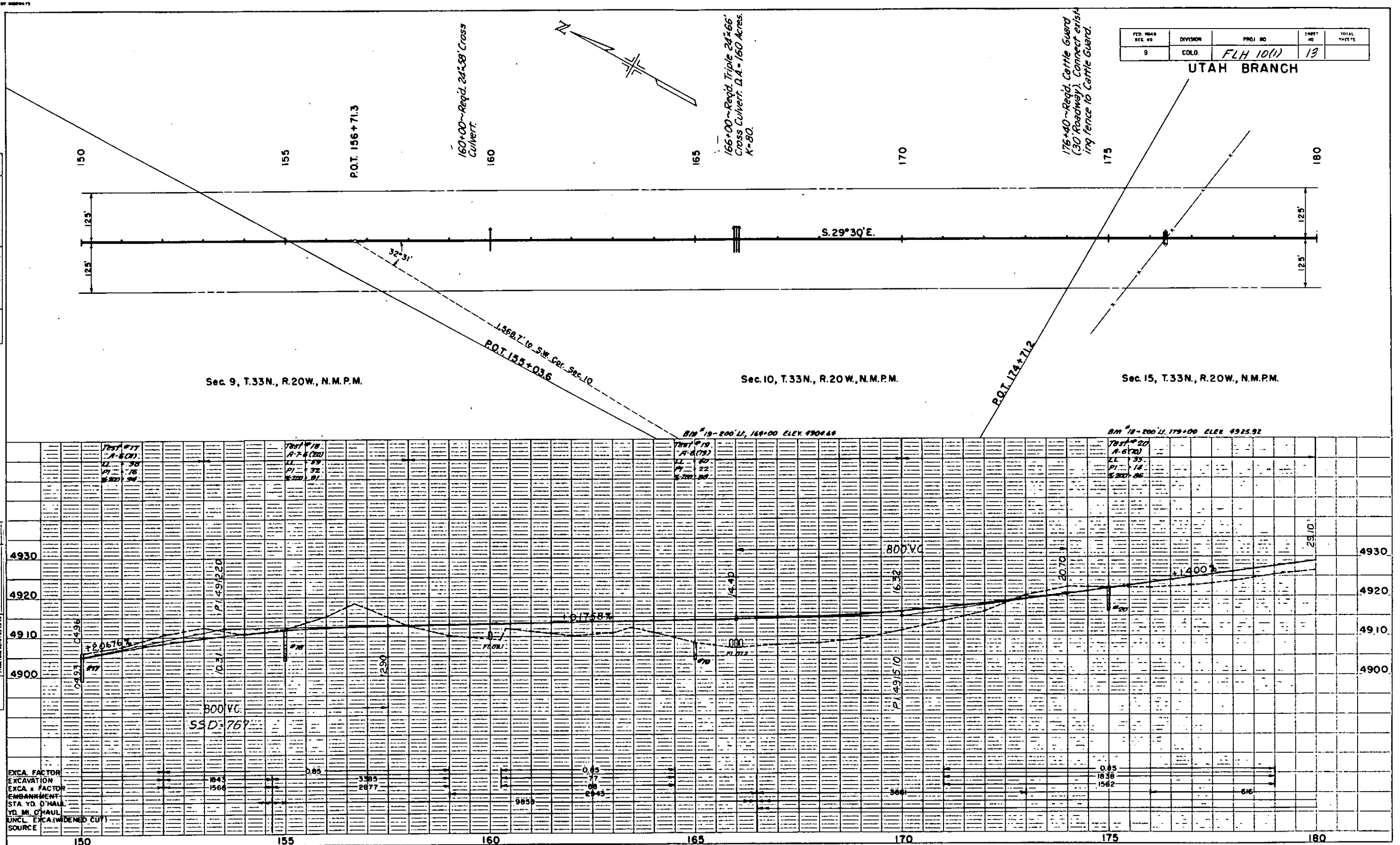


151.3751

PROFILE	DATE
PLANNED	12/27/64
DESIGNED	
CHECKED	
APPROVED	

PLAN	DATE
DESIGNED	BY
CHECKED	BY
DATE	DATE
BY	BY

PROFILE	DATE
DESIGNED	BY
CHECKED	BY
DATE	DATE
BY	BY



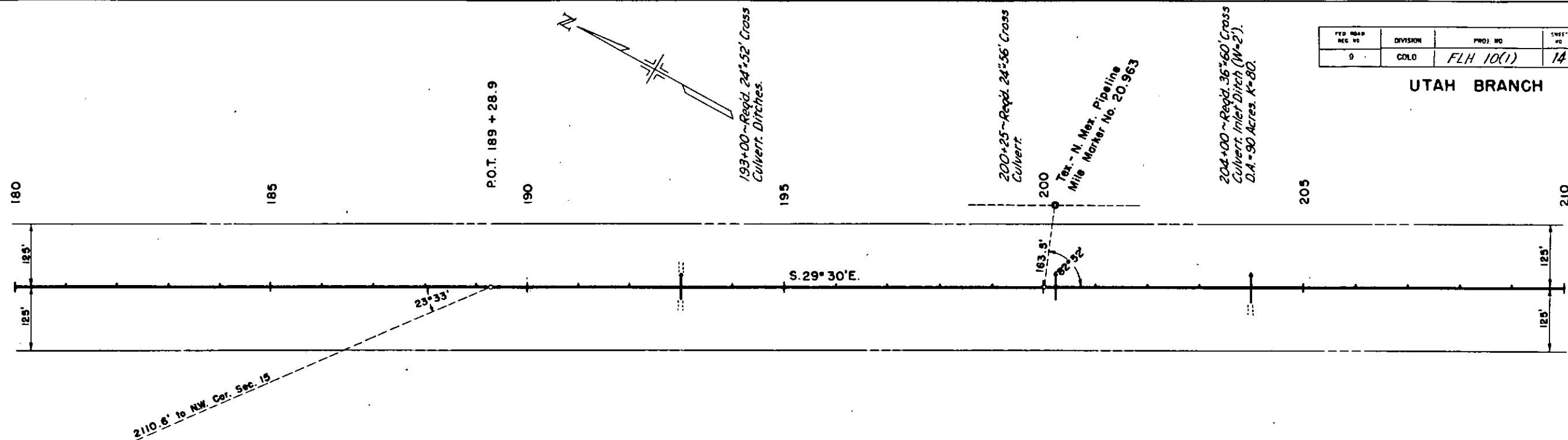
FED. ROAD DIST. NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	FLH 10(1)	13	

EXCA. FACTOR
EXCA. FACTOR
EMBANKMENT
STA. YD. O'HALL
YD. MI. O'HALL
UNCL. EXCA. (WIDENED CUT)
SOURCE

154

PLAN	DATE
APPROVED	
DESIGNED	
BY	
DATE	
BY	
DATE	

PROFILE	DATE
APPROVED	
DESIGNED	
BY	
DATE	
BY	
DATE	



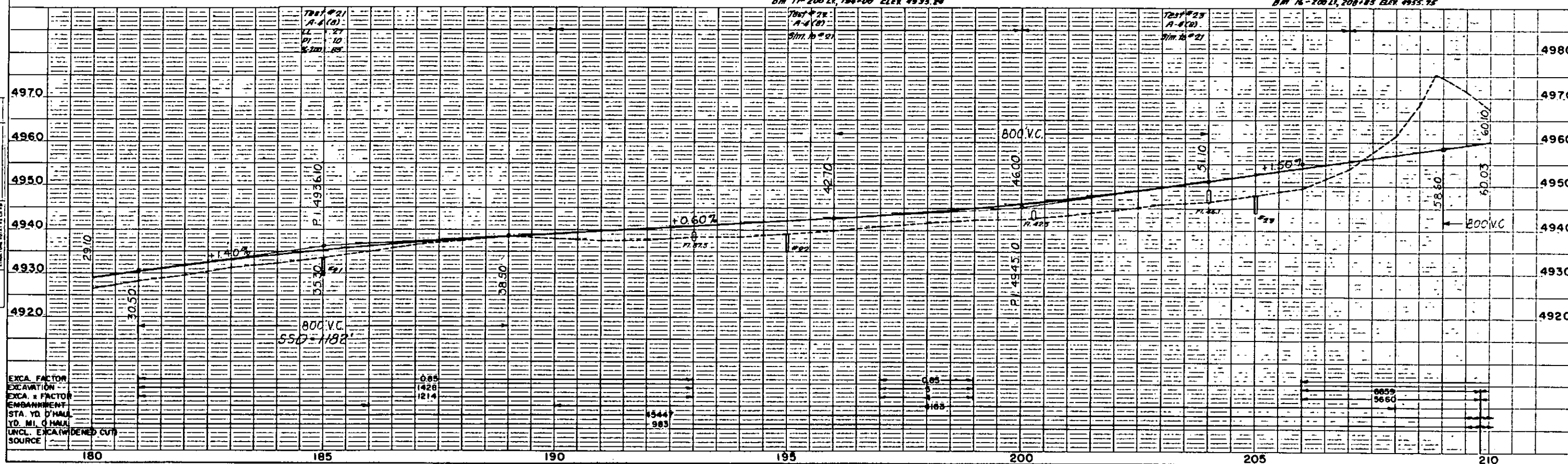
FED. ROAD DIST. NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLORADO	FLH 10(1)	14	

UTAH BRANCH

Sec. 15, T. 33N., R. 20W., N.M.P.M.

B.M. 17 - 200+11, 184+00 ELEV. 4935.24

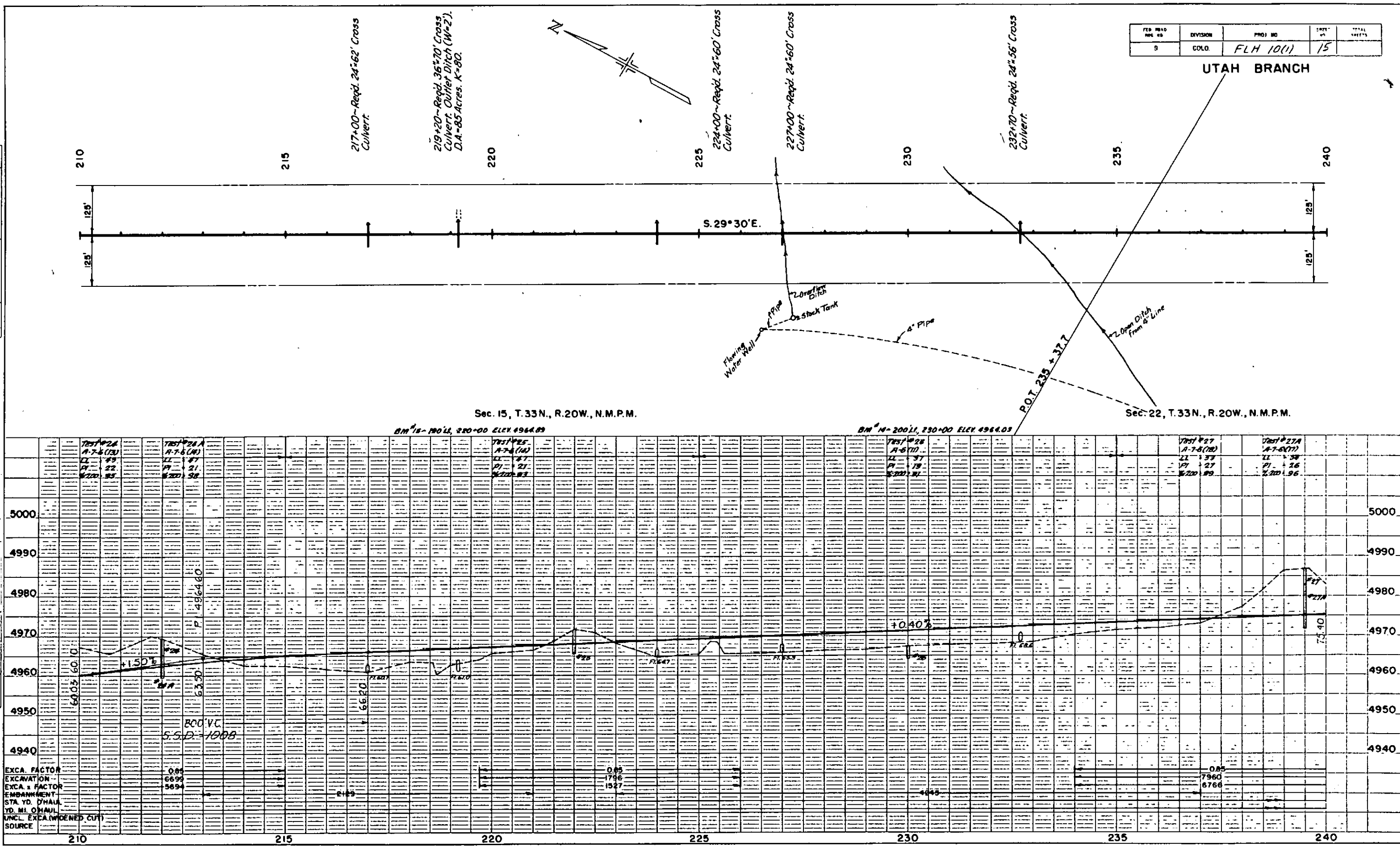
B.M. 16 - 200+11, 208+85 ELEV. 4955.75





PLAN	DATE
PROJECT NO. 1000	10/1/61
BY: J. H. HARRIS	
CHECKED: J. H. HARRIS	
APPROVED: J. H. HARRIS	

PROFILE	DATE
PROJECT NO. 1000	10/1/61
BY: J. H. HARRIS	
CHECKED: J. H. HARRIS	
APPROVED: J. H. HARRIS	



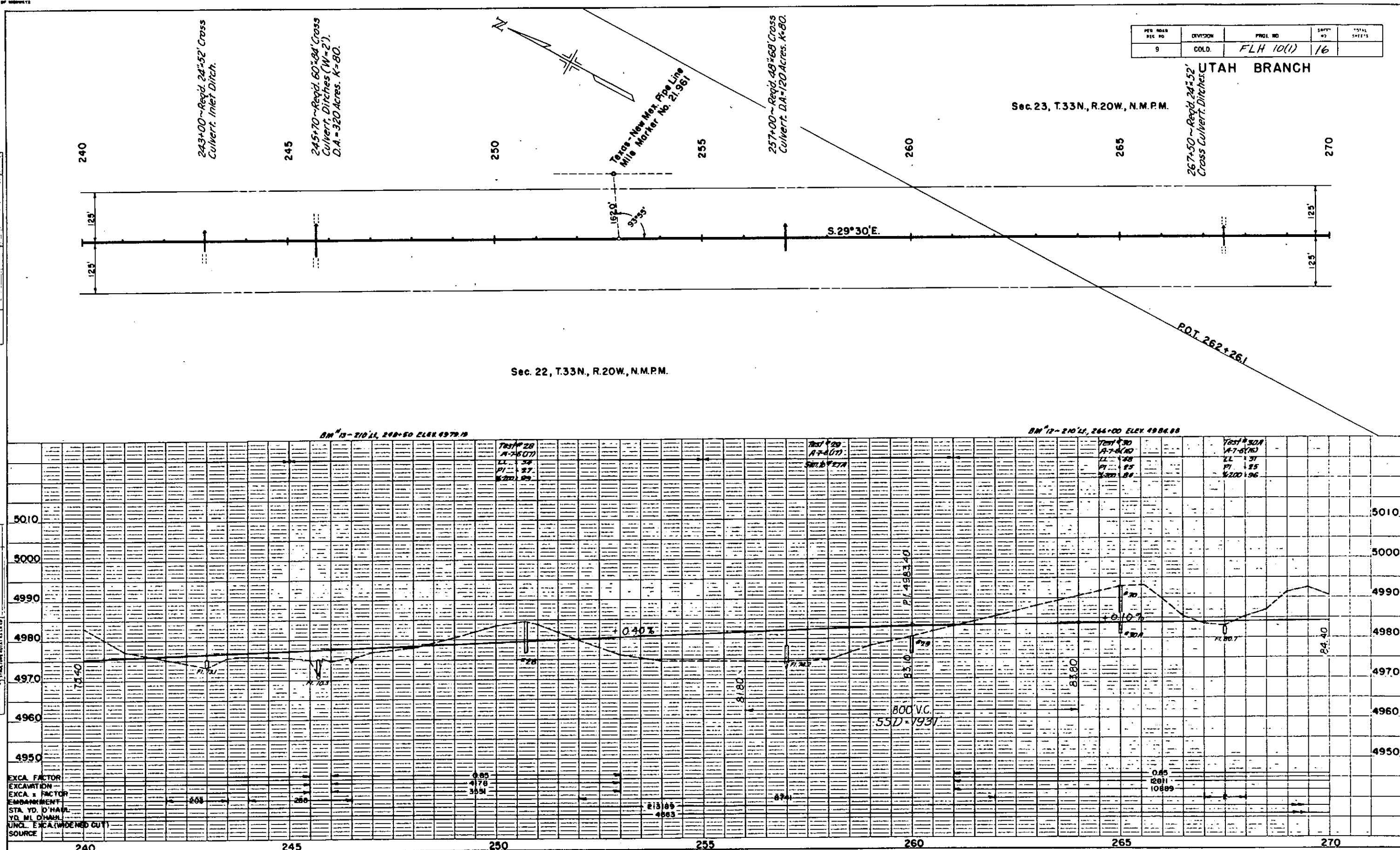
11.3.2014



PLAN	DATE
NO. 88776	
PROJECT	
PLATTED	
NO. 88776	
BY	
DATE	

PROFILE	DATE
NO. 88776	
PROJECT	
PLATTED	
NO. 88776	
BY	
DATE	

03-11-2014

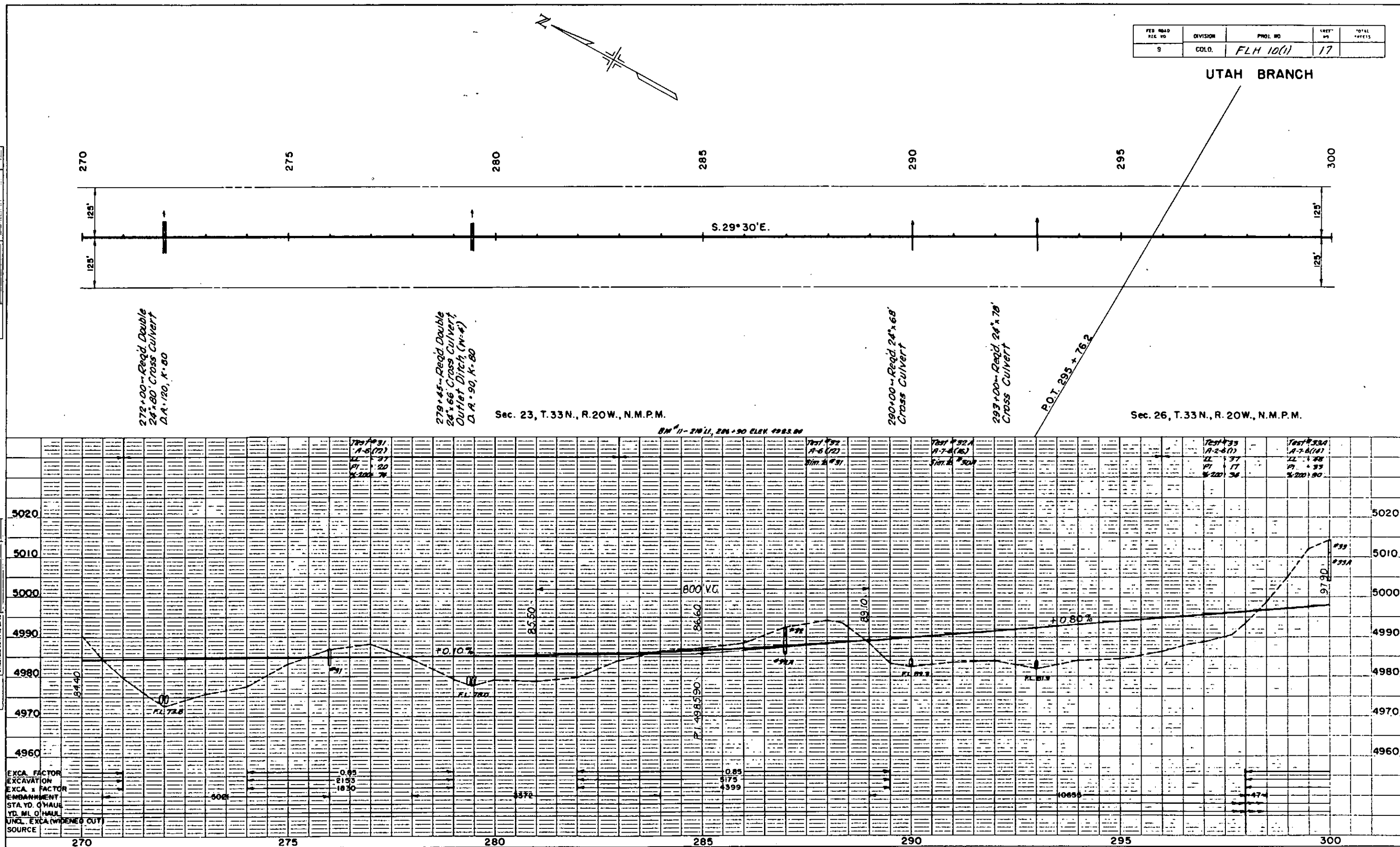




PLAN	SURRENDER PAID PLACED ALLOCATION CANCELED WT. OF MAT CANCELED	DATE	DATE
			DATE

PROFILE	DATE	BY	DATE
SURVEYED _____ PLATTED _____ CALCULATED _____ CHECKED _____ D. W. A. 10/11/10 STRUCTURAL SCIENCES CORP.			

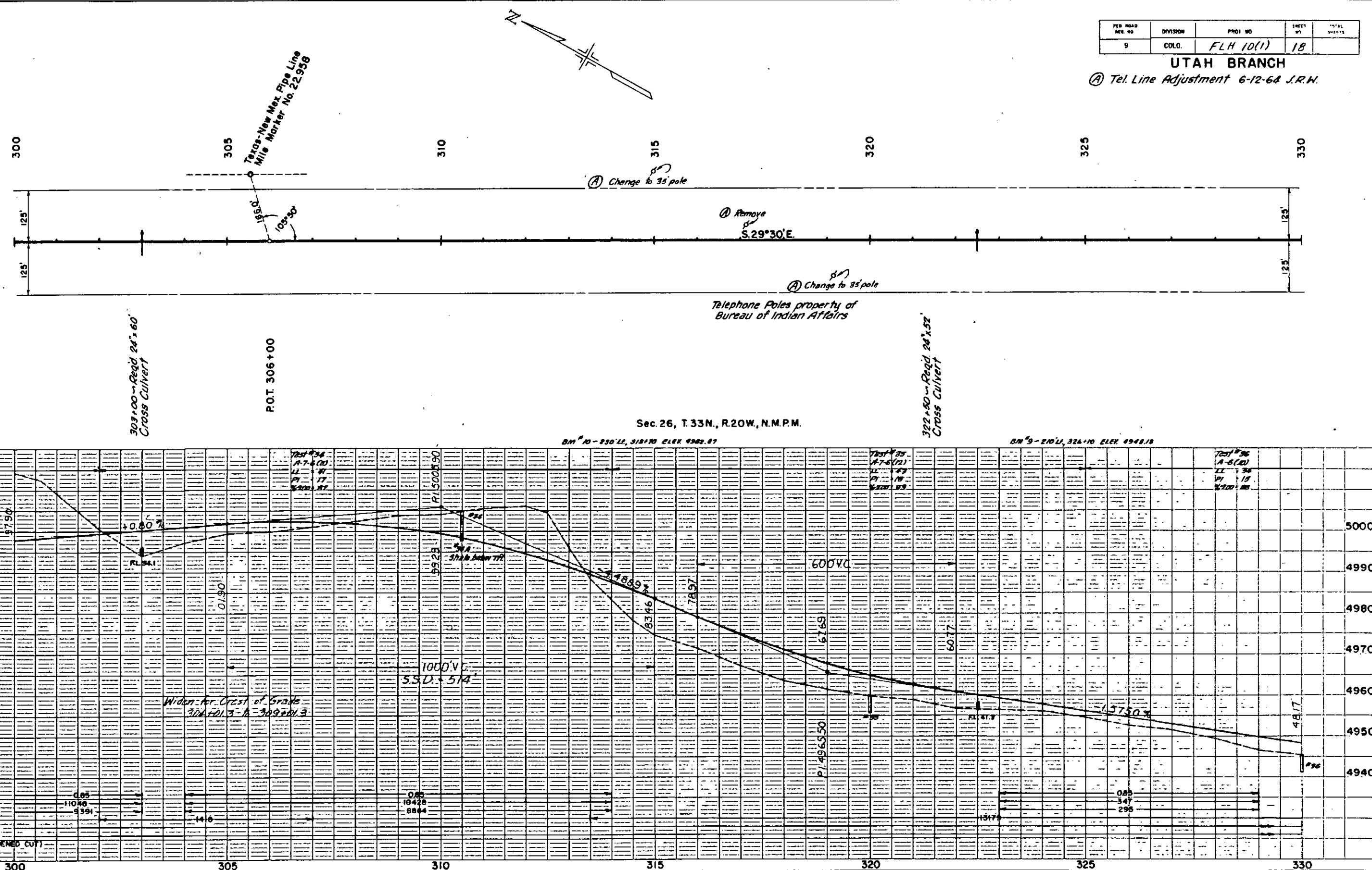
EXCA. FACTOR			
EXCAVATION			
EXCA. x FACTOR			
EMBANKMENT			
STA. YD. O'HAUS			
YD. ML. O'HAUL			
UNCL. EXCA (WIDENED CUT			
SOURCE			



PLAN	BY	DATE
SURVIVED		
PLANTIES		
ALCANTARA CHICIB		
BT OF 411 CHICIB		

PROFILE		87	0476
SURVIVED			
KILLED			
CAPTURED			
MIA			
RECOVERED			
UNIDENTIFIED			

EXCA. FACTOR			
EXCAVATION			
EXCA. x FACTOR			
EMBANKMENT			
STA. YD. O'HAUL			
YD ML O'HAUL			
UNCL. EXCA. (WIDENED CUT)			
SOURCE			



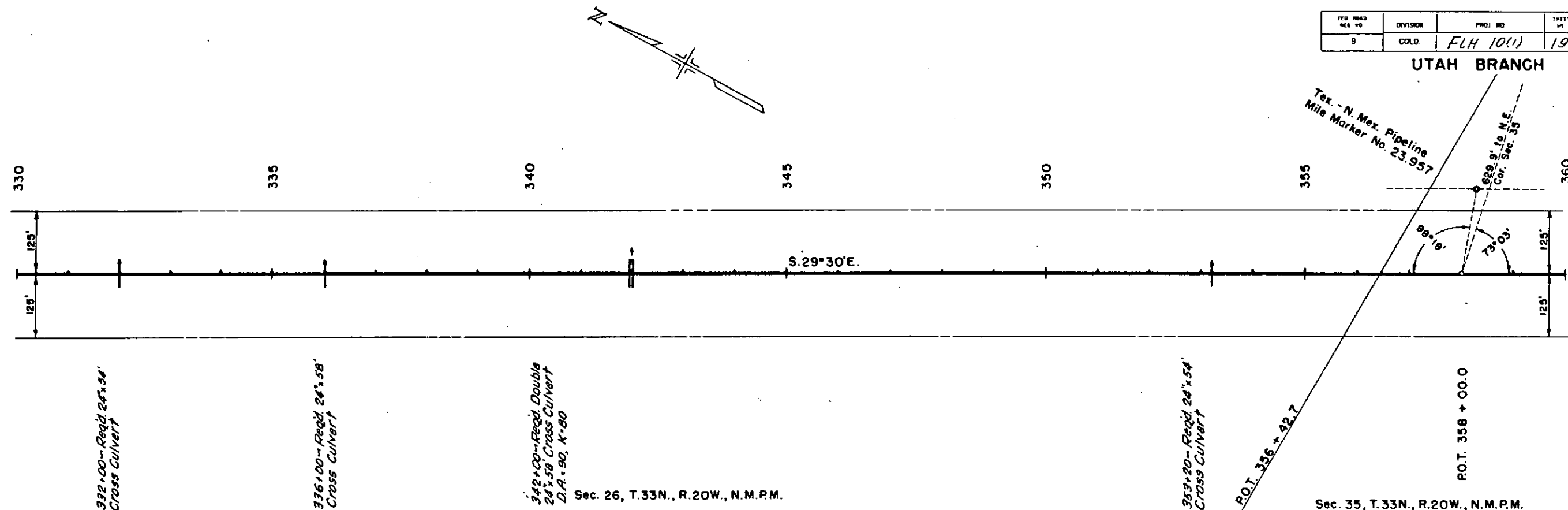
PLAN	SUPPORTED _____ NOTED _____ ALARMED CANCELED _____ NO. OF RAT CHECKS _____	17	DATE

PROFILE	NAME	DATE	BY	TIME
	HARVEY POLICE CAROL CHERRY O. R. A. NOTED STRUCTURE NOTATED (S)			

4970
4960
4950
4940
4930
4920
4910

330 335 340 345 350 355 360

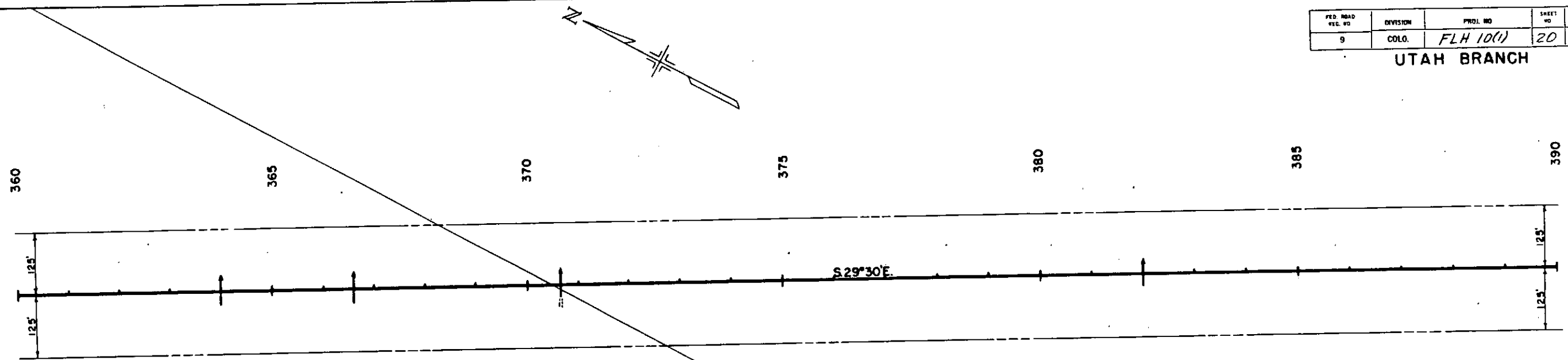
EXCA. FACTOR
EXCA. + FACTOR
STA. YD. O'HAIL
YD. M. O'HAIL
UNCL. EXCA. UNCL. CUT SOURCE



FED ROAD REG NO	DIVISION	PROJ NO	SHEET NO	TOTAL SHEETS
9	COLD	FLH 10(1)	19	

UTAH BRANCH

UTAH BRANCH



364+00 ~ Reg'd.
24" x 58' Cross Culvert.

366 + 60 $\hookrightarrow$ Req'd.
24" x 58" Cross Culvert.

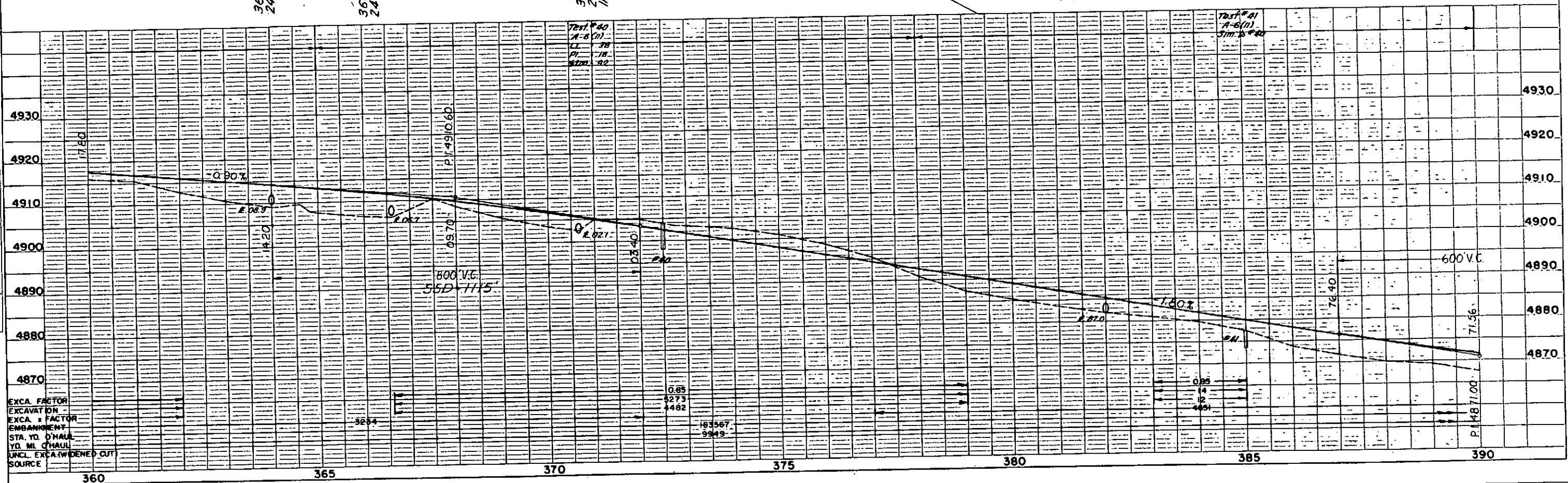
Sec. 35, T. 33 N., R. 20 W., N.M.P.M.

370 x 65 ~ Reg'd.
24" x 54" Cross Culvert,
Inlet Ditch.

P.O.J. 370-48.6

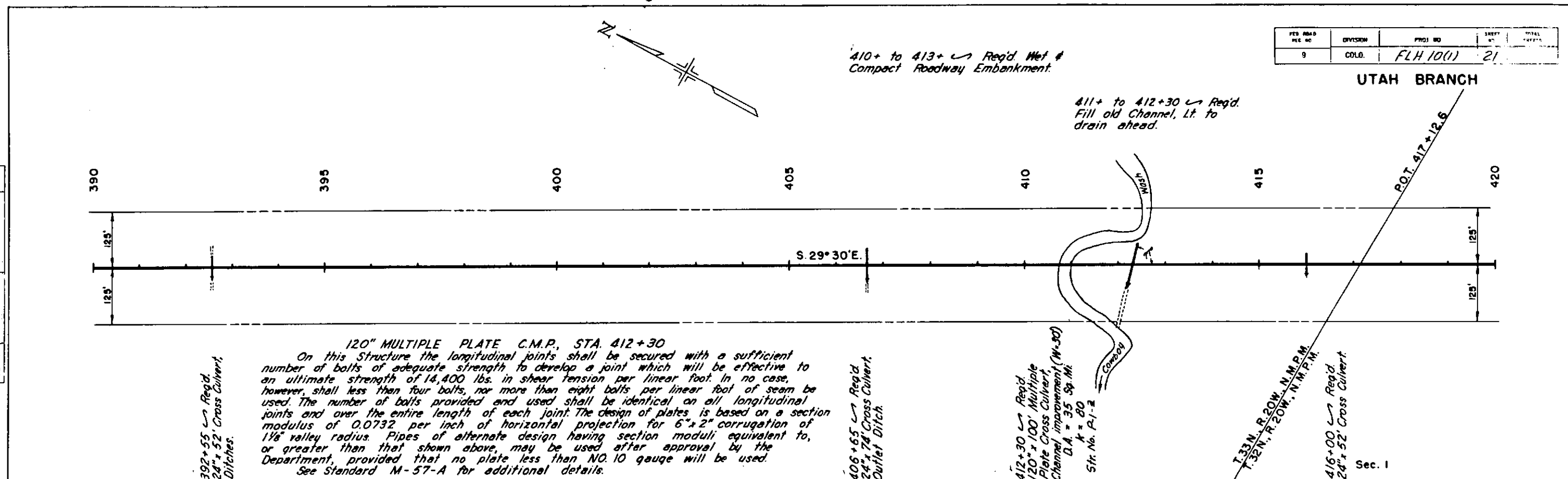
382+00 $\hookrightarrow$ Req'd.
24" x 52' Cross Culvert.

Sec. 36, T. 33N., R. 20W., N.M.P.M.



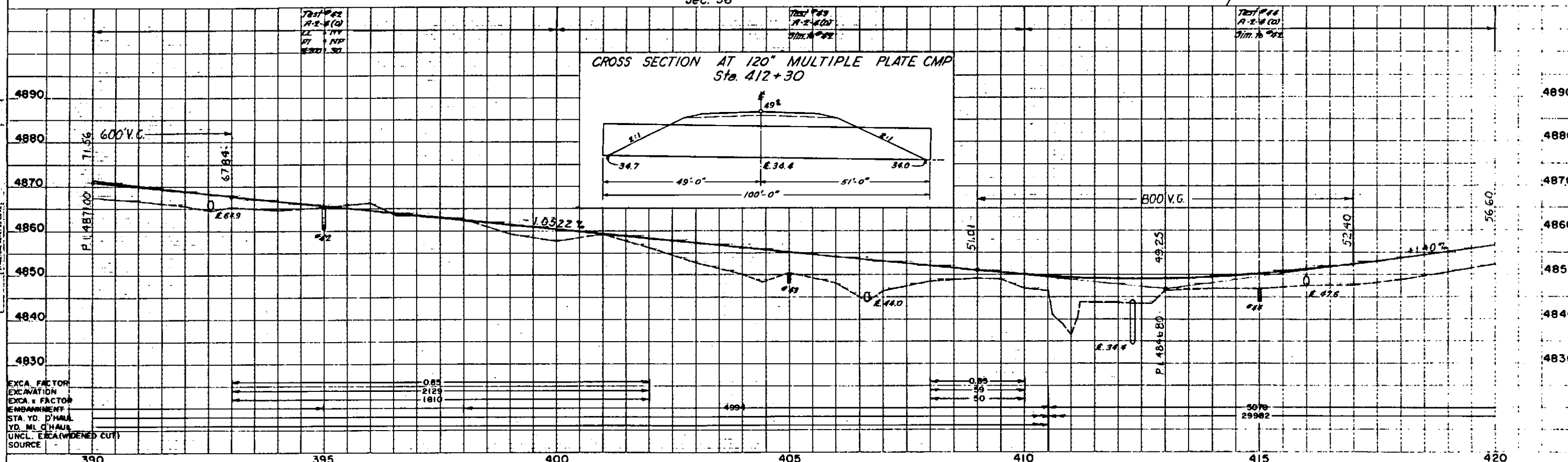
PLAN	DATE	BY
DESIGNED		
PLANNED		
ALIGNED		
SECTION		
BY		

PROFILE	DATE	BY
DESIGNED		
PLANNED		
ALIGNED		
SECTION		
BY		



120" MULTIPLE PLATE C.M.P., STA. 412+30
On this Structure the longitudinal joints shall be secured with a sufficient number of bolts of adequate strength to develop a joint which will be effective to an ultimate strength of 14,400 lbs. in shear tension per linear foot. In no case, however, shall less than four bolts, nor more than eight bolts per linear foot of seam be used. The number of bolts provided and used shall be identical on all longitudinal joints and over the entire length of each joint. The design of plates is based on a section modulus of 0.0732 per inch of horizontal projection for 6"x2" corrugation of 1/8" valley radius. Pipes of alternate design having section moduli equivalent to, or greater than that shown above, may be used after approval by the Department, provided that no plate less than NO. 10 gauge will be used. See Standard M-57-A for additional details.

Sec. 36



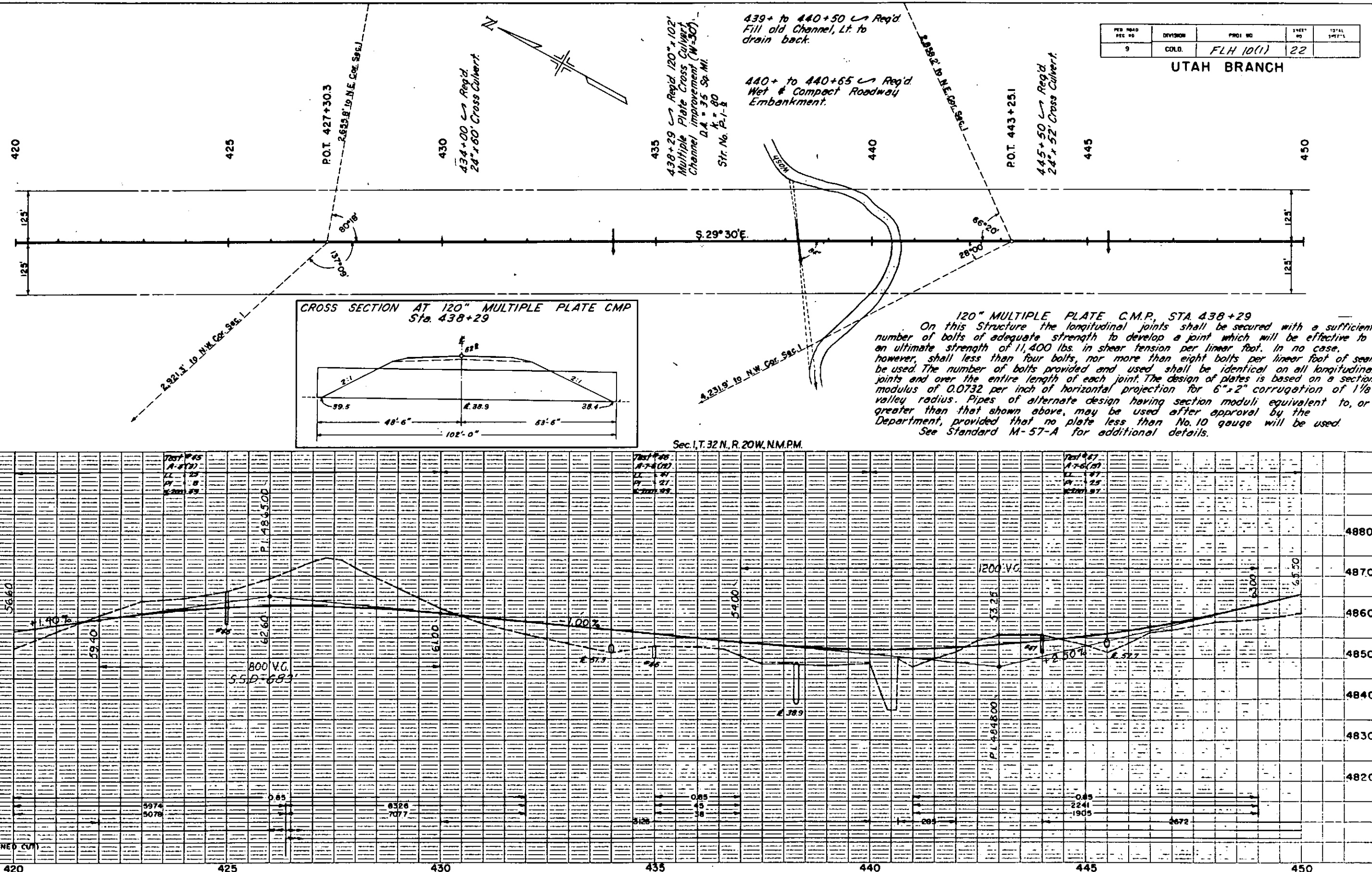
EXCA. FACTOR
EXCAVATION
EXCA. x FACTOR
EMBANKMENT
STA. YD. D'HALL
YD. MI. D'HALL
UNCL. EXCA (WIDENED CUT)
SOURCE



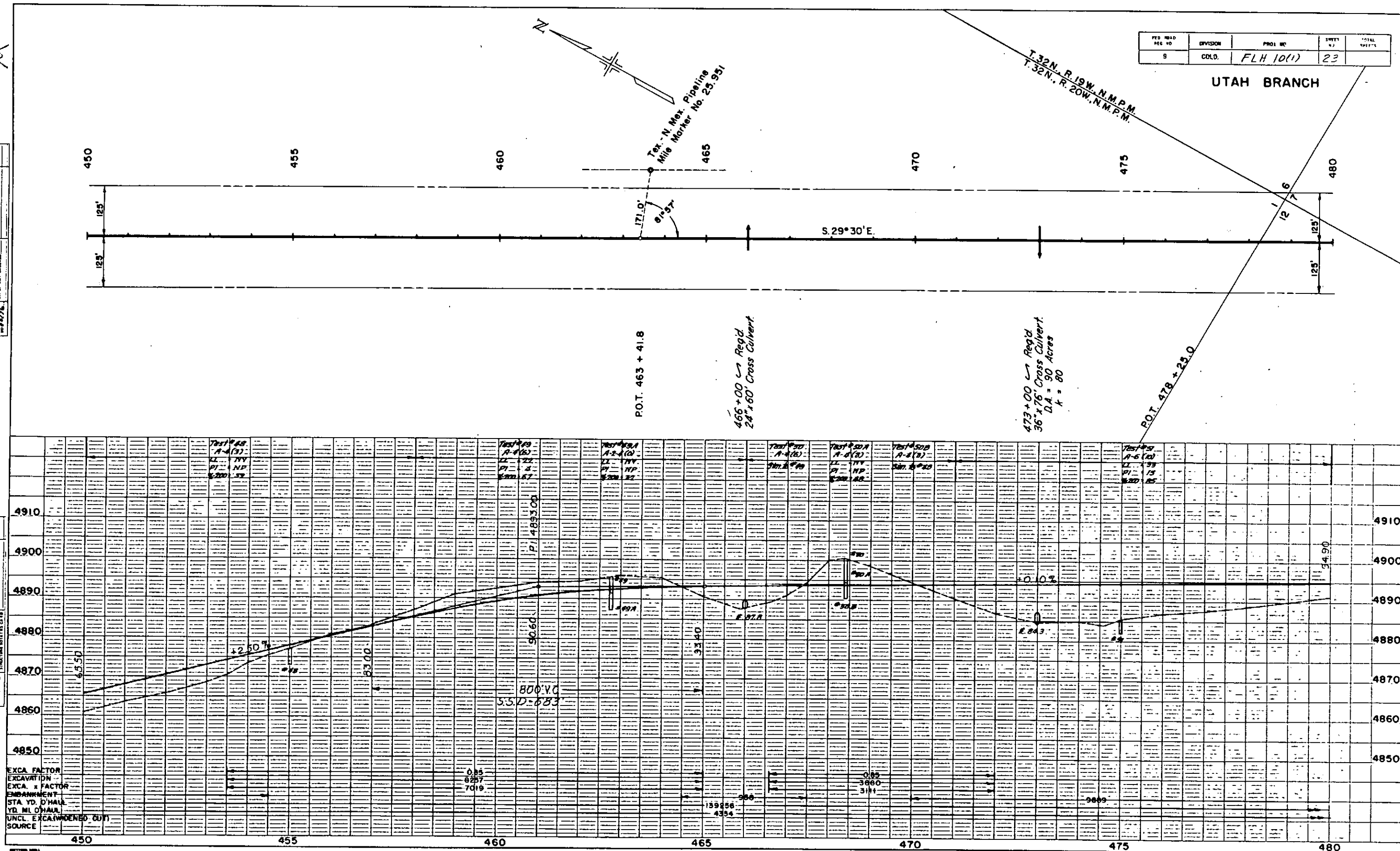
PLAN	81	DATE
WITB BOOK		
ALGABERT CHURCH		
PT OF WAT CHURCH		
NO 82726		

PROFILE	SURVIVED	37	DATE
BOAT NO.	PORTER		
NO. 25612	CARDS CHECKED		
	D. W. NOTED		
	STRUCTURE STATUS CARD		

EXCA. FACTOR		
EXCAVATION		
EXCA. & FACTOR		
EMBANKMENT		
STA. YD. 0' HAUL		
YD. ML. 0' HAUL		
UNCL. EXCA. (W)		
SOURCE		



PROFILE	SUPPORTS PLATES GASKETS S. W. L. PLATES STRUCTURAL BOLTERS CO. OF	BT	DATE
NOTE BOOK			
00 23 6/2			



13334

FPD, ROAD REC. NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLD.	FLH 10(11)	24	

UTAH BRANCH

PLAN	FT	DATE
NOTED		
ALIGNMENT CHECKED		
FT. OF WAY CHECKED		

PROFILE	37	DATE
PLANTED		
CHANGES CHECKED		
B. M. NOTED		
STRUCTURE NOTED AS CHG		

