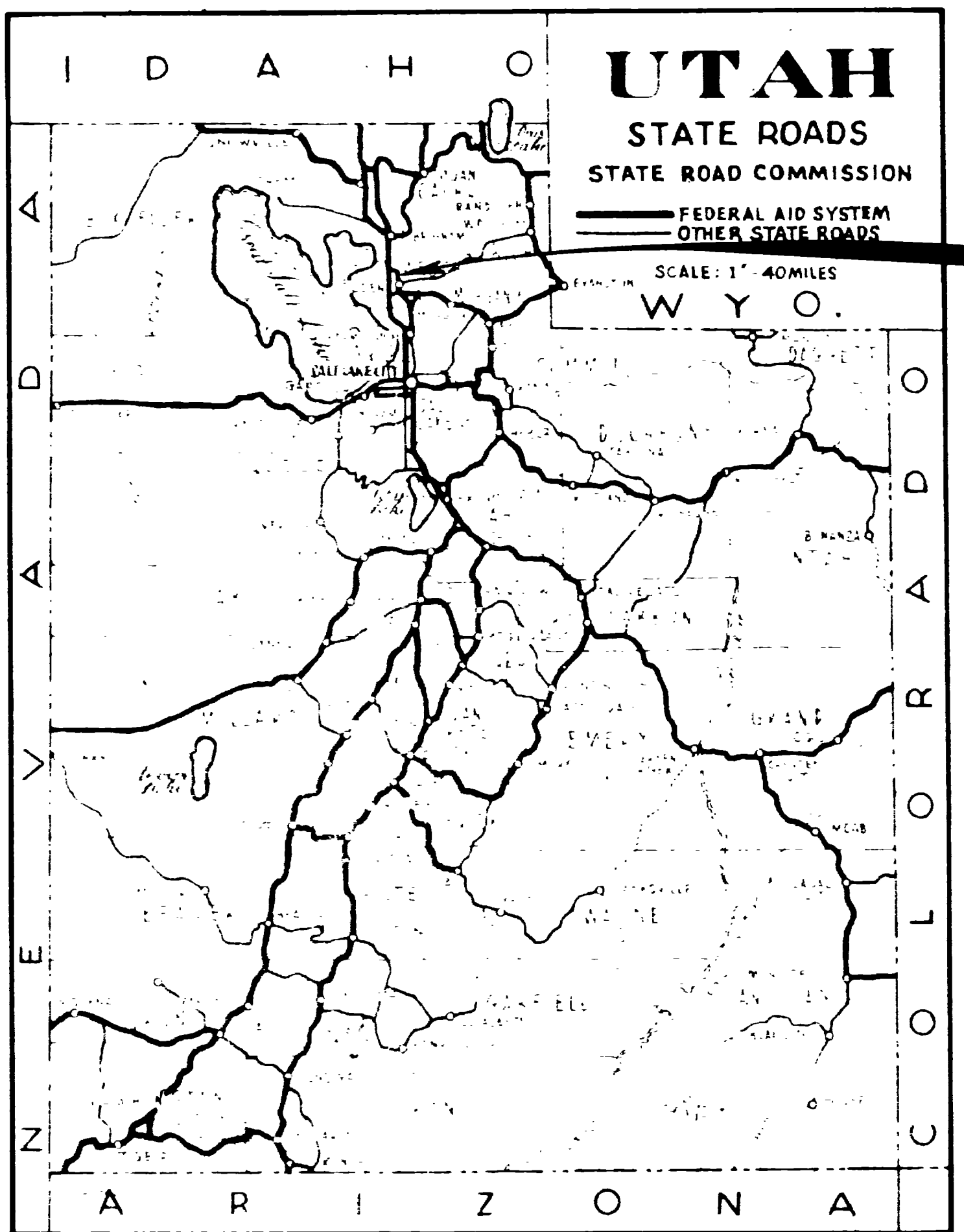


# STATE OF UTAH STATE ROAD COMMISSION

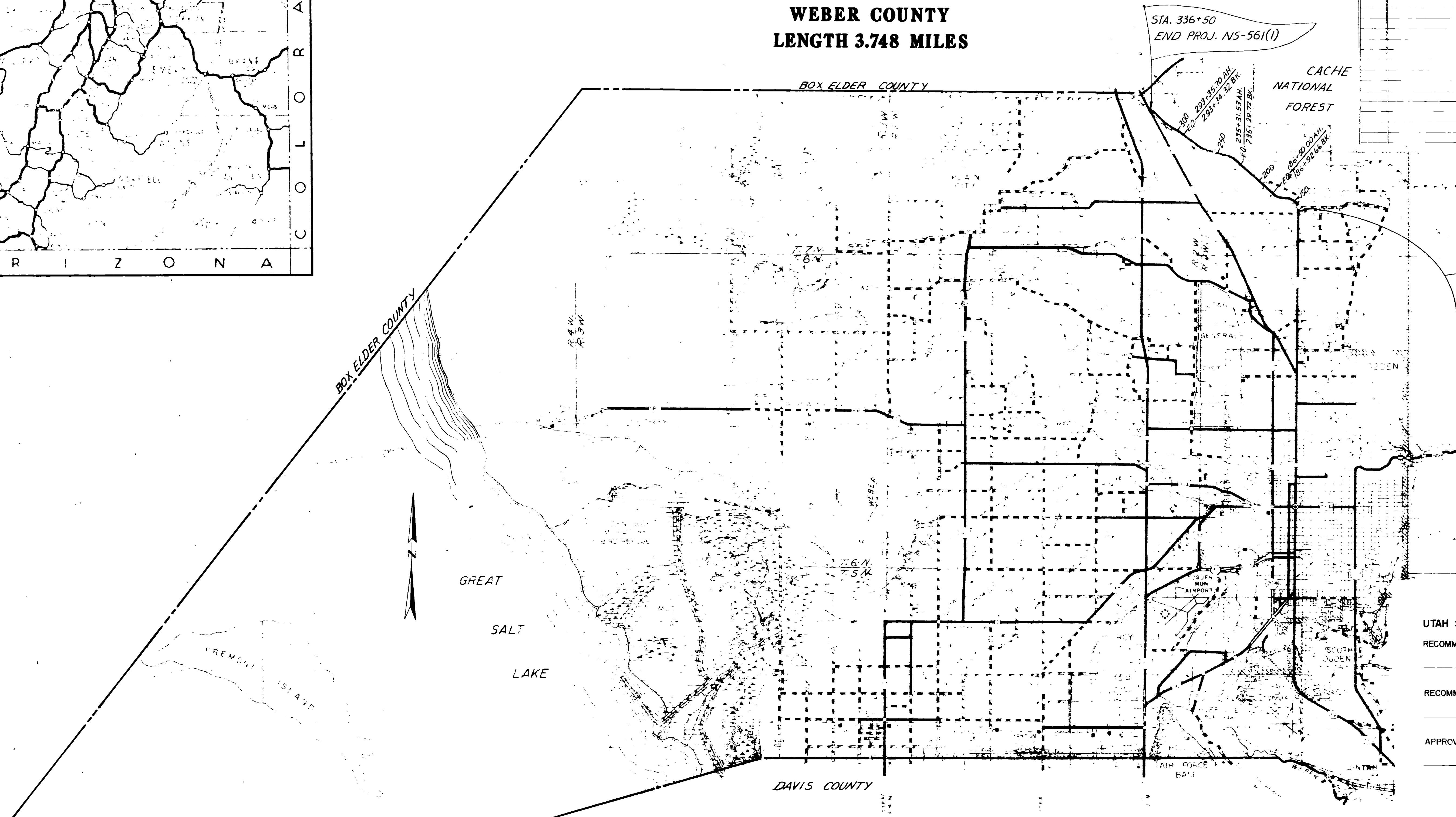
**PLANS OF PROPOSED STATE ROAD  
NS-561(1)  
NO. OGDEN TO U.S. 91  
WEBER COUNTY  
LENGTH 3.748 MILES**

INDEX TO SHEETS NS-561(1)

NO.	DESCRIPTION	SHEET NO.

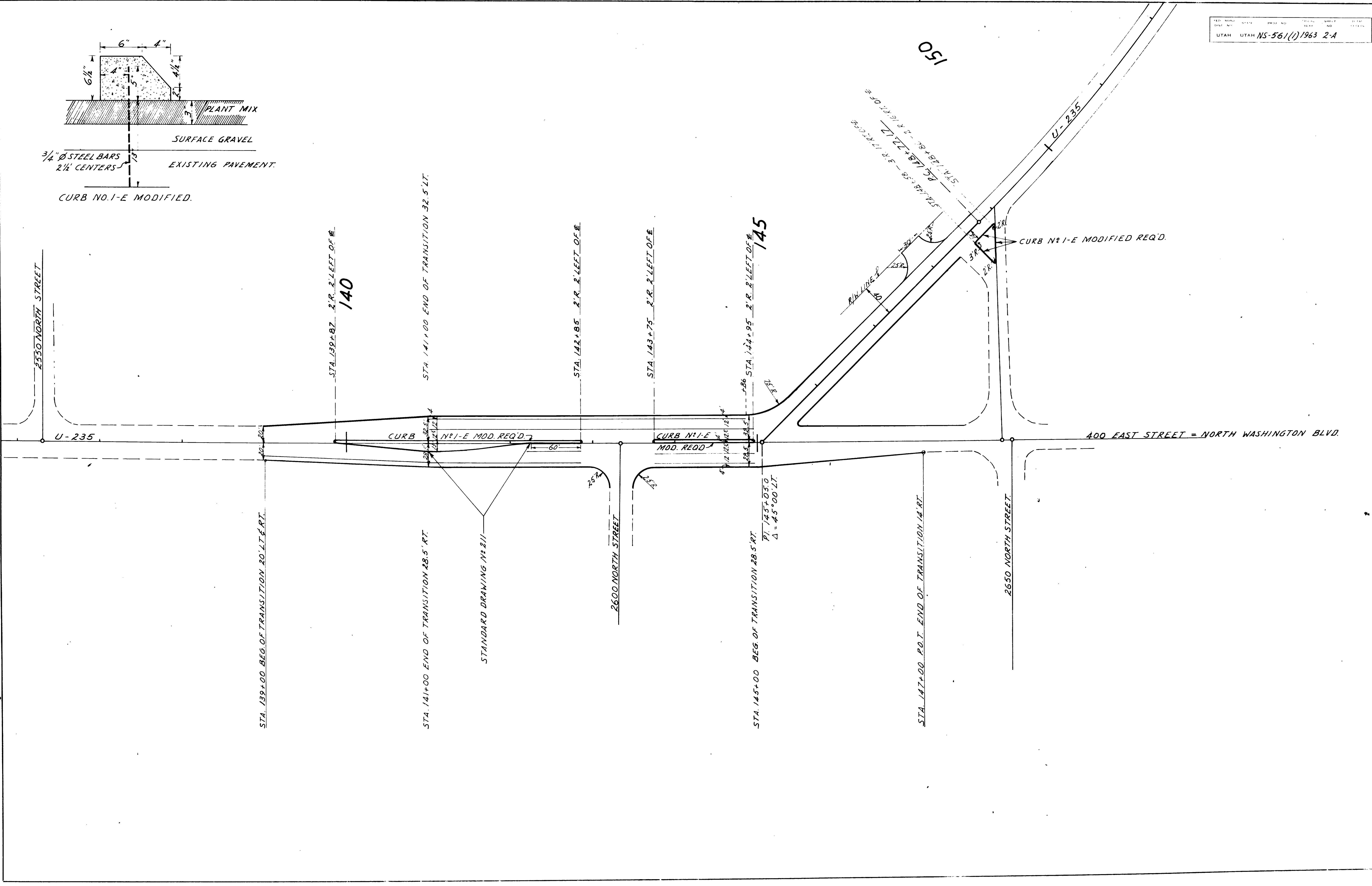
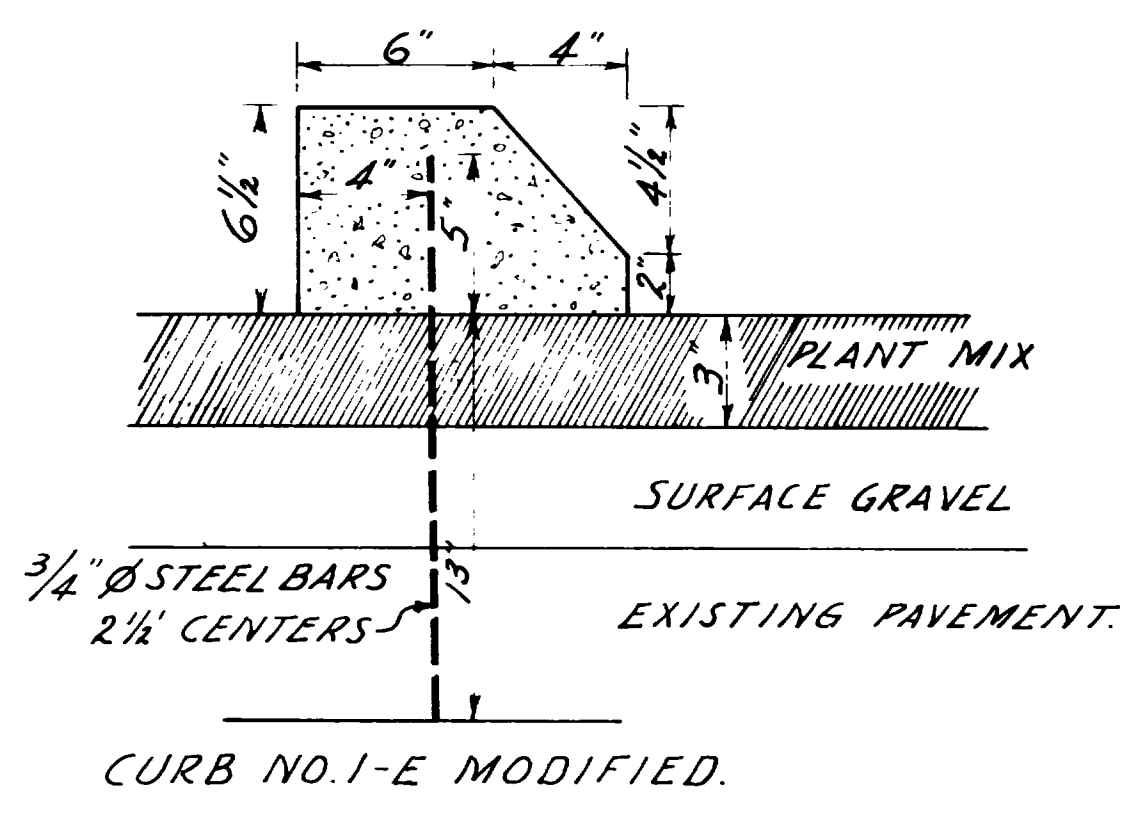


NS-561(1)



UTAH STATE DEPARTMENT OF HIGHWAYS  
 RECOMMENDED FOR APPROVAL \_\_\_\_\_ 1963  
 ENGINEER OF ROADWAY DESIGN  
 RECOMMENDED FOR APPROVAL \_\_\_\_\_ 1963  
 ENGINEER OF PLANS AND CONTRACTS  
 APPROVED \_\_\_\_\_ 1963  
 DIRECTOR OF HIGHWAYS

REVISIONS  
DATE BY



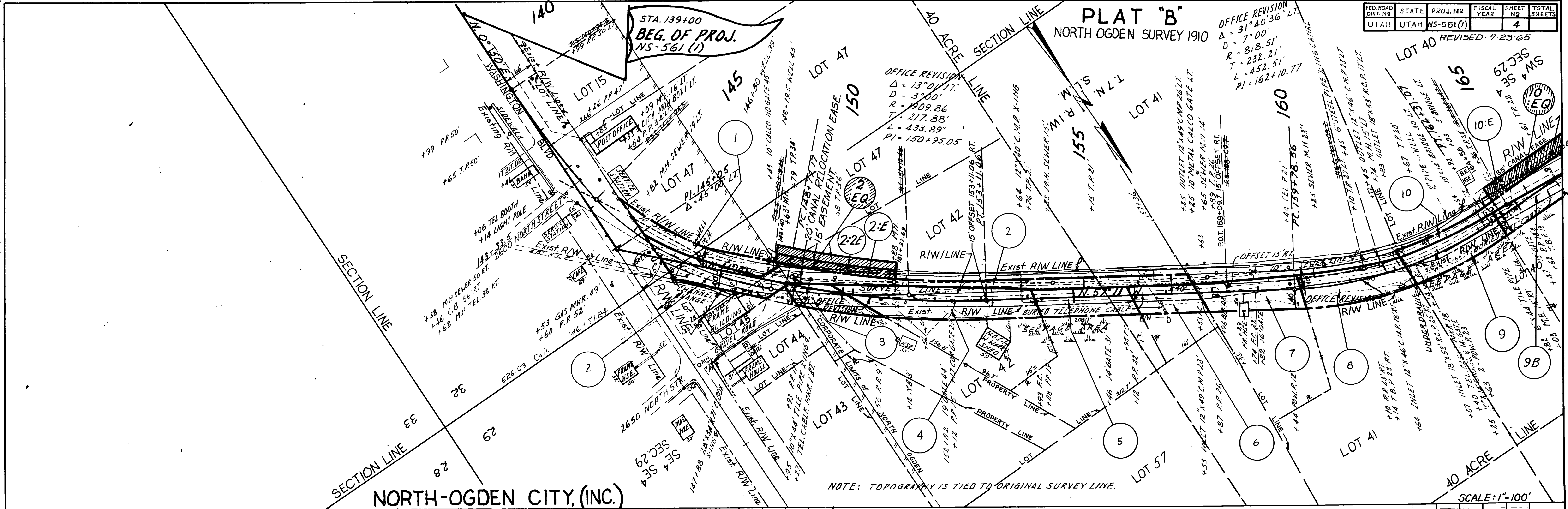
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
UTAH	UTAH	NS-561(1)		4	

**PLAT "B"**  
NORTH OGDEN SURVEY 1910

OFFICE REVISION:  
 $\Delta = 31^{\circ}40'36''$  LT.  
 $D = 7^{\circ}00'$   
 $R = 818.51'$   
 $T = 232.21'$   
 $L = 452.51'$   
 $PI = 162+10.77$

DATE	BY
6/29/20	W.M. MARSH
7/27/20	W.M. MARSH
8/27/20	W.M. MARSH
9/27/20	W.M. MARSH
10/27/20	W.M. MARSH
11/27/20	W.M. MARSH
12/27/20	W.M. MARSH

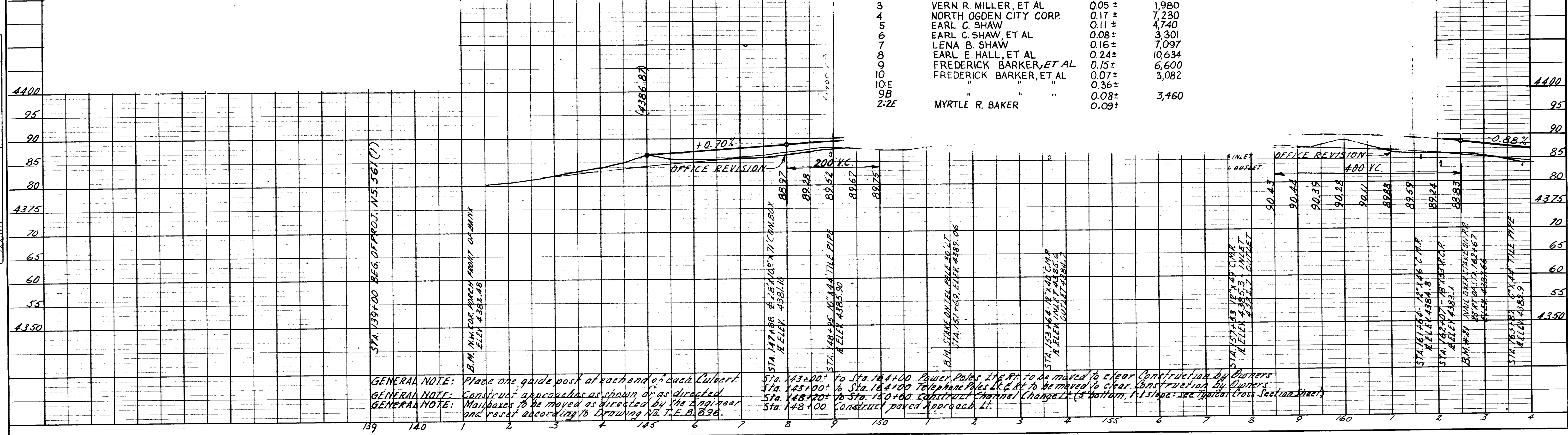
PLAN	DATE
NO. 22-1-20	6/29/20
NO. 22-1-20	7/27/20
NO. 22-1-20	8/27/20
NO. 22-1-20	9/27/20
NO. 22-1-20	10/27/20
NO. 22-1-20	11/27/20
NO. 22-1-20	12/27/20



PARCEL NO.	GRANTEE	ACRES
0 561	2:EQ NORTH OGDEN IRRIGATION CO.	0.22 ±
	10:EQ NORTH OGDEN IRRIGATION CO.	3.60 ±

**EMBANKMENT EXCAVATION**

PARCEL NO.	OWNER	NET AC.	SQ. FT.
0561:1	WAYNE R. BARKER	0.02 ±	700
2	MYRTLE R. BARKER	0.11 ±	4,575
2:E		0.13 ±	
3	VERN R. MILLER, ET AL	0.05 ±	1,980
4	NORTH OGDEN CITY CORP.	0.17 ±	7,230
5	EARL C. SHAW	0.11 ±	4,740
6	EARL C. SHAW, ET AL	0.08 ±	3,301
7	LENA B. SHAW	0.16 ±	7,097
8	EARL E. HALL, ET AL	0.24 ±	10,634
9	FREDERICK BARKER, ET AL	0.15 ±	6,600
10	FREDERICK BARKER, ET AL	0.07 ±	3,082
10:E		0.36 ±	
9B		0.08 ±	3,460
2:ZE	MYRTLE R. BAKER	0.09 ±	



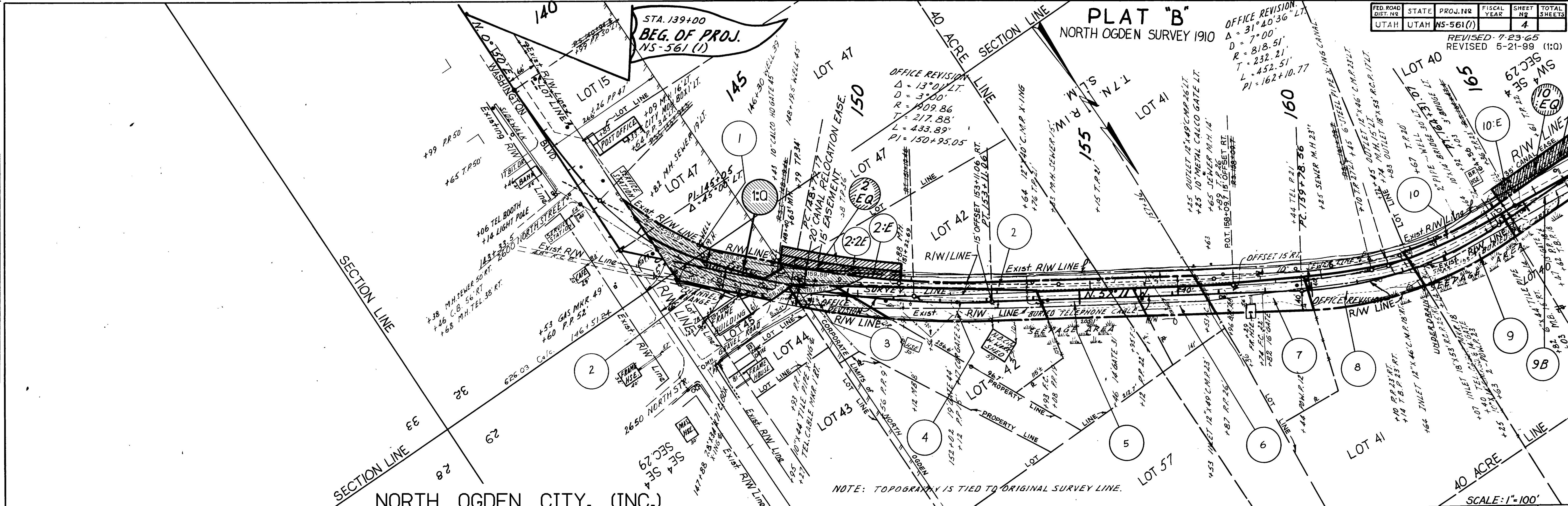
GENERAL NOTE: Place one guide post at each end of each Culvert.  
 GENERAL NOTE: Construct approaches as shown or as directed.  
 GENERAL NOTE: Mailboxes to be moved as directed by the Engineer and reset according to Drawing No. T.E. B. 896.  
 STA. 143+00 to Sta. 144+00 Power Poles 12' R.P. to be moved to clear Construction by Owners  
 Sta. 143+00 to Sta. 144+00 Telephone Poles 12' R.P. to be moved to clear Construction by Owners  
 Sta. 148+00 to Sta. 150+00 Construct Channel Change Lt. (5' Bottom, 1' Slope; see Typical Cross Section Sheet)  
 Sta. 148+00 Construct paved Approach Lt.  
 STA. 147+88 to STA. 148+00 4" x 12" TILE PIPE  
 STA. 148+00 to STA. 148+49 12" x 14" TILE PIPE  
 STA. 153+64 to STA. 154+00 C.M.P.  
 STA. 157+53 to STA. 158+00 C.M.P.  
 STA. 161+84 to STA. 162+00 C.M.P.  
 STA. 162+07 to STA. 163+00 C.M.P.

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
UTAH	UTAH	NS-561(1)		4	

REVISED 7-23-65  
REVISED 5-21-99 (1:0)

DATE 6/29/60  
BY W.M. MARSHALL  
CHECKED W.M. MARSHALL  
NO. 1223-0

DATE 6/29/60  
BY W.M. MARSHALL  
CHECKED W.M. MARSHALL  
NO. 1223-0

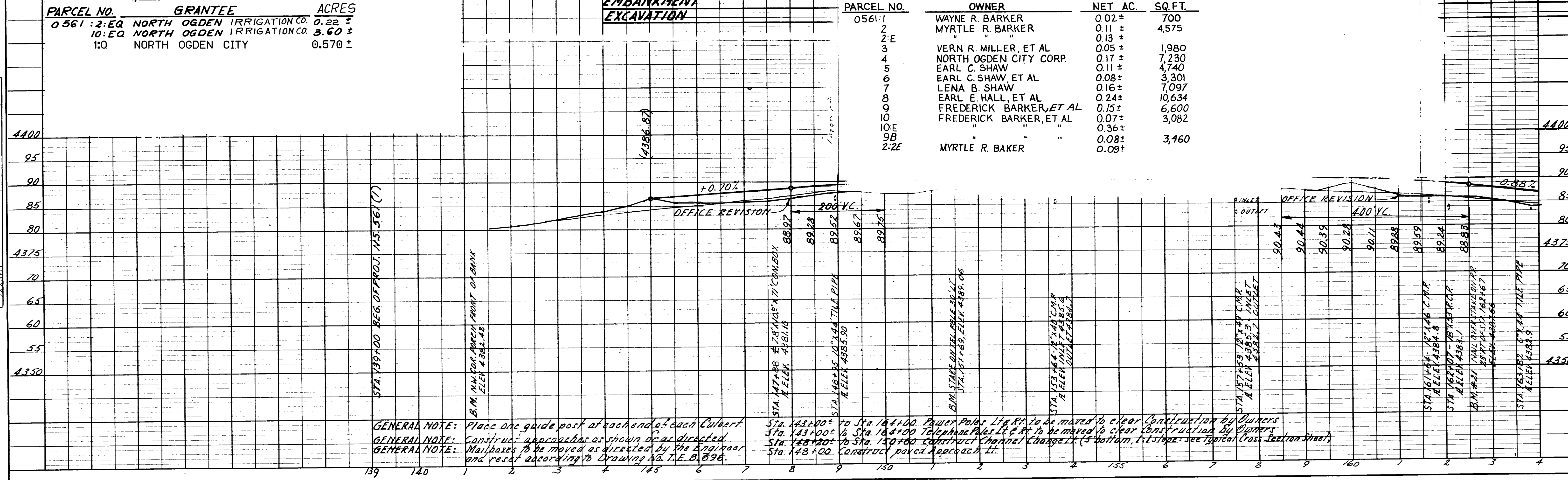


NORTH OGDEN CITY, (INC.)

PARCEL NO.	GRANTEE	ACRES
0561:2:EQ	NORTH OGDEN IRRIGATION CO.	0.22 ±
10:EQ	NORTH OGDEN IRRIGATION CO.	3.60 ±
1:Q	NORTH OGDEN CITY	0.570 ±

EMBANKMENT EXCAVATION

PARCEL NO.	OWNER	NET AC.	SQ. FT.
0561:1	WAYNE R. BARKER	0.02 ±	700
2	MYRTLE R. BARKER	0.11 ±	4,575
2:E		0.13 ±	
3	VERN R. MILLER, ET AL	0.05 ±	1,980
4	NORTH OGDEN CITY CORP.	0.17 ±	7,230
5	EARL C. SHAW	0.11 ±	4,740
6	EARL C. SHAW, ET AL	0.08 ±	3,301
7	LENA B. SHAW	0.16 ±	7,097
8	EARL E. HALL, ET AL	0.24 ±	10,634
9	FREDERICK BARKER, ET AL	0.15 ±	6,600
10	FREDERICK BARKER, ET AL	0.07 ±	3,082
10:E		0.36 ±	
9B		0.08 ±	3,460
2:ZE	MYRTLE R. BAKER	0.09 ±	

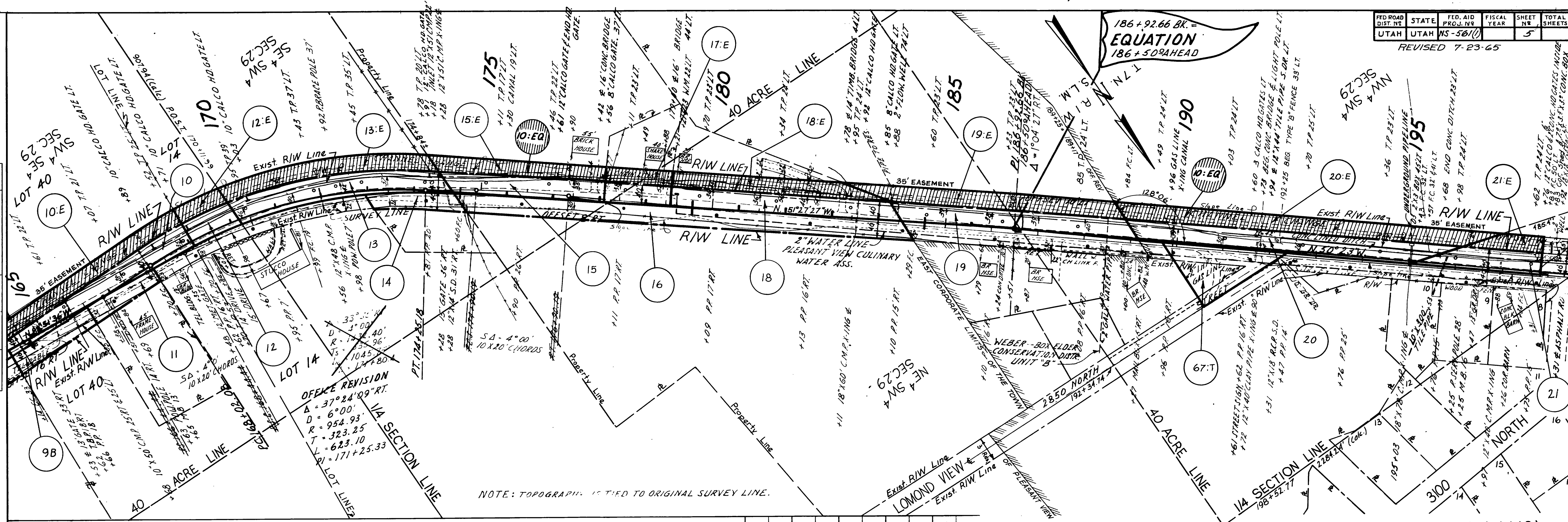


GENERAL NOTE: Place one guide post at each end of each Culvert.  
 GENERAL NOTE: Construct approaches as shown or as directed.  
 GENERAL NOTE: Mailboxes to be moved as directed by the Engineer and reset according to Drawing No. T.E. B. 896.

Sta. 143+00 to Sta. 144+00 Power Poles 17' R.P. to be moved to clear Construction by Owners  
 Sta. 143+00 to Sta. 144+00 Telephone Poles 17' R.P. to be moved to clear Construction by Owners  
 Sta. 148+00 to Sta. 150+00 Construct Channel Change Lt. (5' bottom, 1' slope; see Typical Cross Section Sheet)  
 Sta. 148+00 Construct paved Approach Lt.

PLAN  
 SURVEYED BY: W. W. WILSON  
 ALIGNED BY: W. W. WILSON  
 CHECKED BY: W. W. WILSON  
 DATE: 12-22-60  
 NO. 1222-00  
 1/2" = 100'  
 RT. OF WAY CHECKED

PROFILE  
 SURVEYED BY: W. W. WILSON  
 PLOTTED BY: W. W. WILSON  
 CHECKED BY: W. W. WILSON  
 DATE: 12-22-60  
 NO. 1222-00  
 THE NOTARIS OFFICE



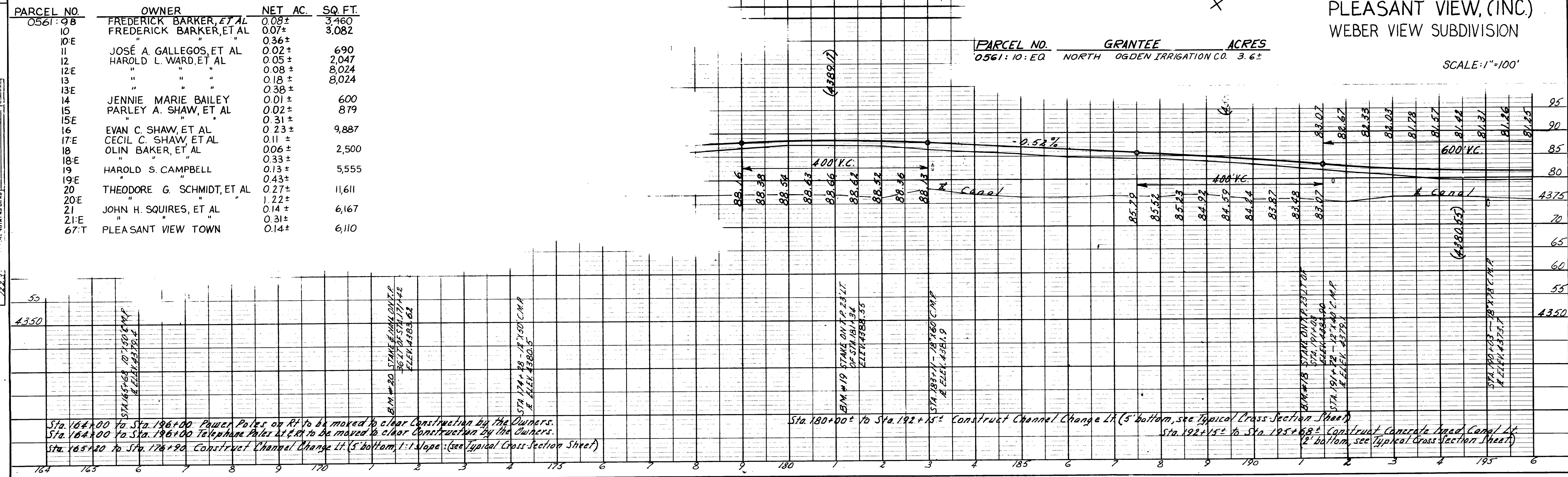
NOTE: TOPOGRAPHY IS TIED TO ORIGINAL SURVEY LINE.

PARCEL NO.	OWNER	NET AC.	SQ. FT.
0561: 9B	FREDERICK BARKER, ET AL	0.08±	3,460
10	FREDERICK BARKER, ET AL	0.07±	3,082
10E	"	0.36±	"
11	JOSÉ A. GALLEGOS, ET AL	0.02±	690
12	HAROLD L. WARD, ET AL	0.05±	2,047
12E	"	0.08±	8,024
13	"	0.18±	8,024
13E	"	0.38±	"
14	JENNIE MARIE BAILEY	0.01±	600
15	PARLEY A. SHAW, ET AL	0.02±	879
15E	"	0.31±	"
16	EVAN C. SHAW, ET AL	0.23±	9,887
17E	CECIL C. SHAW, ET AL	0.11±	"
18	OLIN BAKER, ET AL	0.06±	2,500
18E	"	0.33±	"
19	HAROLD S. CAMPBELL	0.13±	5,555
19E	"	0.43±	"
20	THEODORE G. SCHMIDT, ET AL	0.27±	11,611
20E	"	1.22±	"
21	JOHN H. SQUIRES, ET AL	0.14±	6,167
21E	"	0.31±	"
67:T	PLEASANT VIEW TOWN	0.14±	6,110

PARCEL NO. GRANTEE ACRES  
 0561: 10: EQ NORTH OGDEN IRRIGATION CO. 3.6±

PLEASANT VIEW, (INC.)  
 WEBER VIEW SUBDIVISION

SCALE: 1"=100'

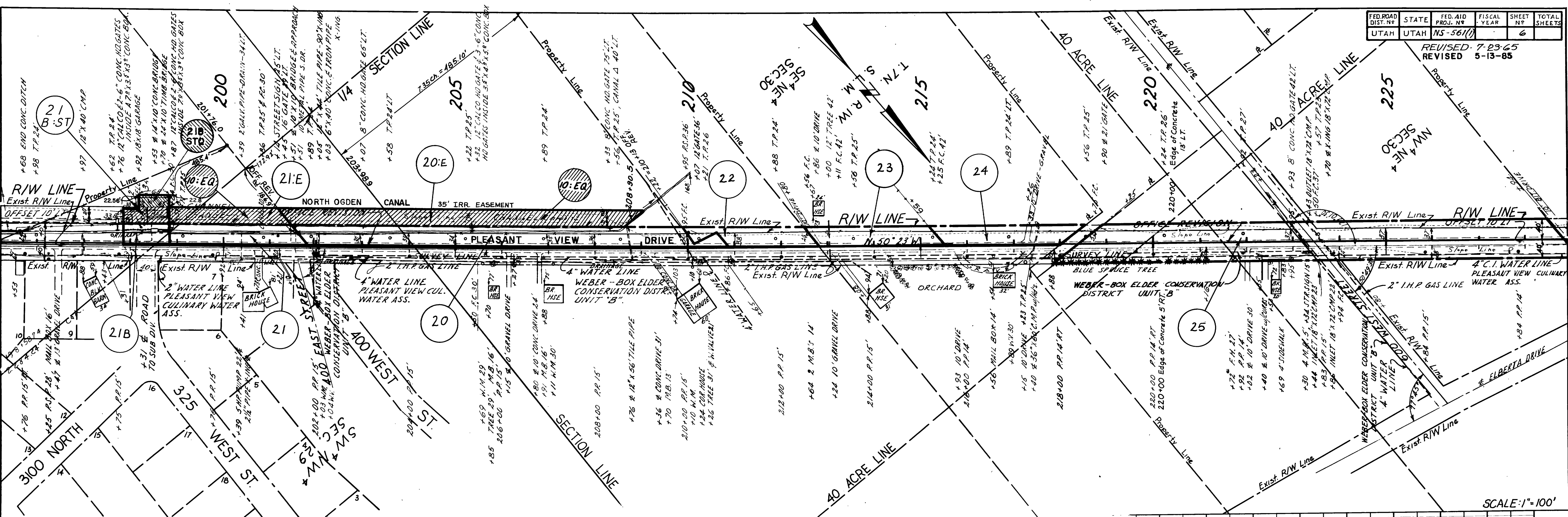


REVISED 7-23-65  
REVISED 5-13-85

REV. 3/1963

DATE 6-22-65  
BY W.H. HARRISON  
SURVEYED W.H. HARRISON  
PLOTTED W.H. HARRISON  
NOTE BOOK NO. 12225  
ALIGNED CHECKED  
NO. 12230

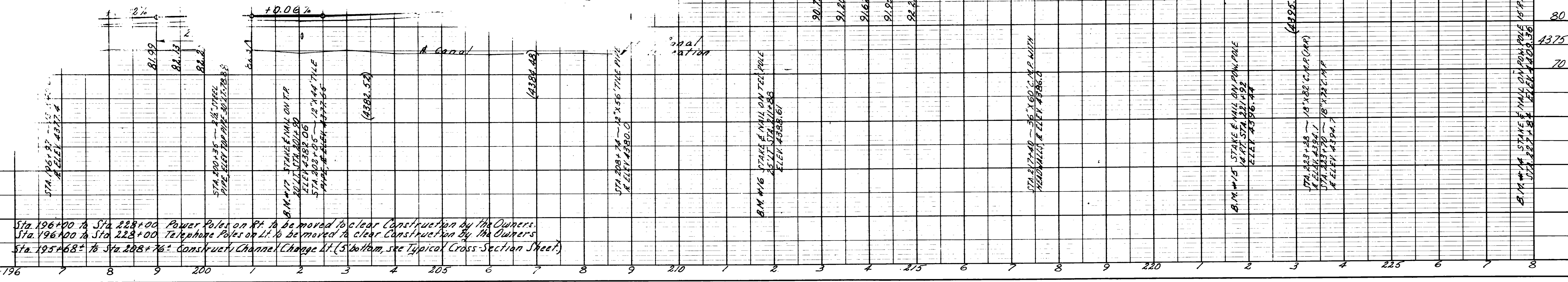
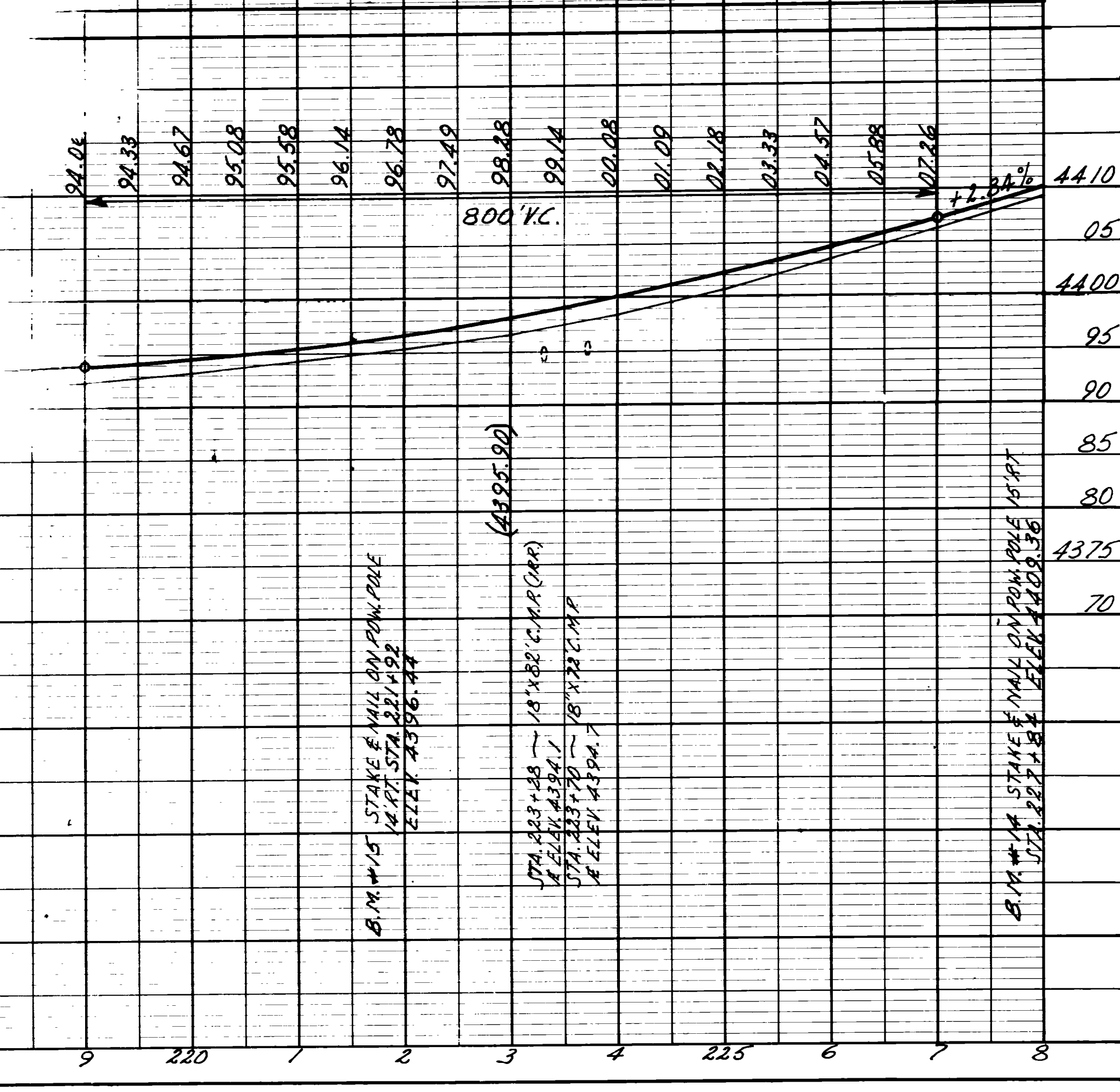
DATE 6-22-65  
BY W.H. HARRISON  
SURVEYED W.H. HARRISON  
PLOTTED W.H. HARRISON  
NOTE BOOK NO. 12225  
ALIGNED CHECKED  
NO. 12230



**PLEASANT VIEW, (INC.)**  
WEBER VIEW SUBDIVISION

PARCEL NO.	GRANTEE	ACRES
0561: 10:EQ	NORTH OGDEN IRRIGATION CO.	3.60±
21B:STQ	SORENSEN DEVELOPMENT, INC.	0.035

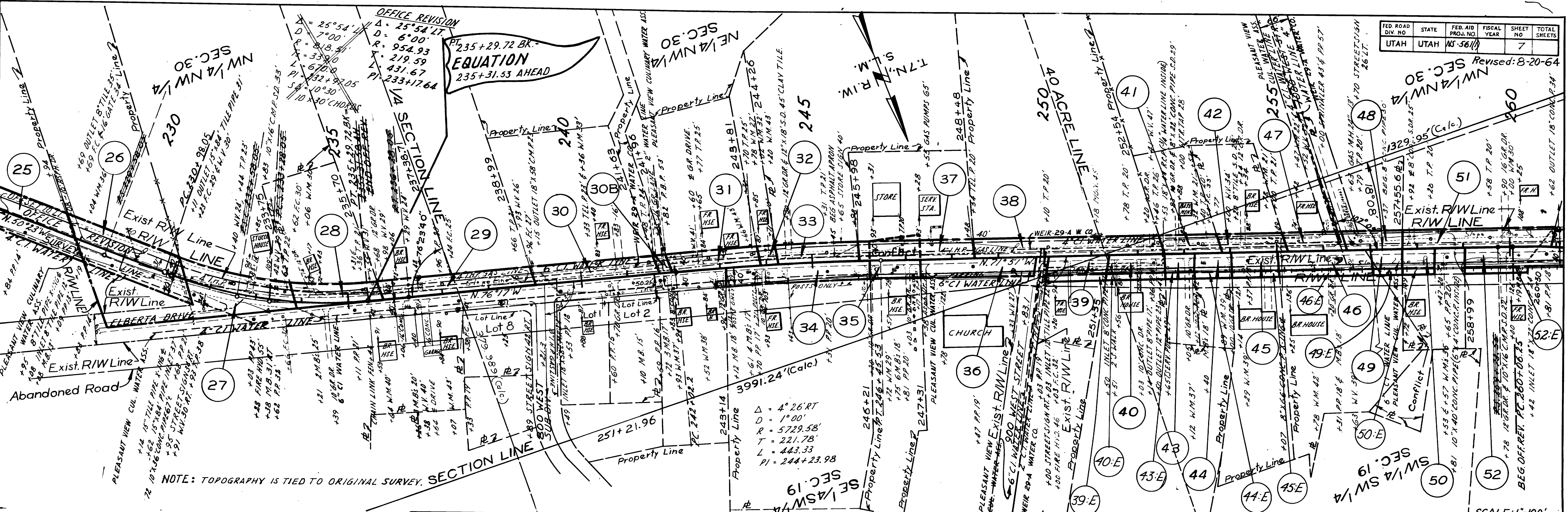
PARCEL NO.	OWNER	NET AC.	SQ. FT.
0561: 21	JOHN H. SQUIRES, ET AL	0.14±	6,167
21:E	"	0.31±	
21B	"	0.03±	1,333
21B:ST	" ET UX	0.12±	5,046
22	ALWYN KENNETH CROSS	0.07±	3,088
23	TULLA D. BARNETT	0.06±	2,520
24	GENE R. PARCELL, ET AL	0.10±	4,352
25	ZENO I. THINNES, ET UX	0.29±	12,610
20	THEODORE G. SCHMIDT, ET AL	0.27±	11,611
20:E	"	1.22±	



Sta. 196+00 to Sta. 228+00 Power Poles on Rt. to be moved to clear Construction by the Owners.  
Sta. 196+00 to Sta. 228+00 Telephone Poles on Lt. to be moved to clear Construction by the Owners.  
Sta. 195+68± to Sta. 208+76± Construct Channel Change Lt. (5' bottom, see Typical Cross Section Sheet).

PLAN	DATE	BY	DATE
NO. 12222	12-22-62	M. W. MIDDLETON	12-22-62
NO. 12223	12-22-62	M. W. MIDDLETON	12-22-62
NO. 12224	12-22-62	M. W. MIDDLETON	12-22-62

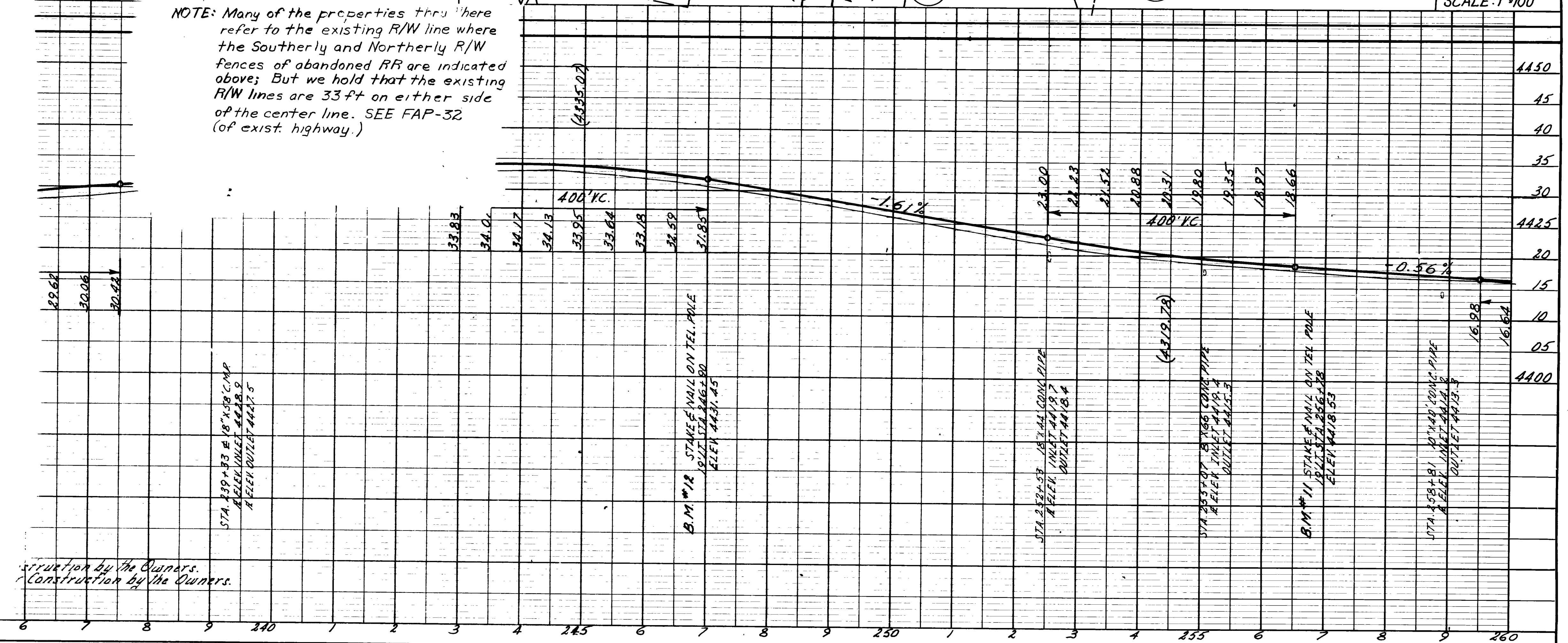
PROFILE	DATE	BY	DATE
NO. 12222	12-22-62	M. W. MIDDLETON	12-22-62
NO. 12223	12-22-62	M. W. MIDDLETON	12-22-62
NO. 12224	12-22-62	M. W. MIDDLETON	12-22-62



NOTE: TOPOGRAPHY IS TIED TO ORIGINAL SURVEY.

PARCEL NO.	OWNER	NET AC.	SQ. FT.
0561: 25	ZENO I. THINNES, ET AL	0.29 ±	12,610
26	DONALD A. HALES, ET AL	0.07 ±	3,109
27	EDWARD BERRETTI, ET AL	0.32 ±	14,116
28	JENNIE BROWN WINTER	0.06 ±	2,790
29	JOSEPH S. ROYLANCE	0.09 ±	3,948
30	ELMER O. HARRIS, ET AL	0.05 ±	2,112
30B	(BLANK)	0.01 ±	132
31	GEORGE J.A. MIDDLETON (DEAD)	0.02 ±	807
32	JAMES COLETTI	0.01 ±	180
33	WILFORD LEROY BARKER	0.02 ±	1,045
34	LAWRENCE HARRIS, ET AL	0.06 ±	2,466
35	LYNN PULSIPHER, ET AL	0.02 ±	767
36	LDS. CHURCH	0.03 ±	1,500
37	DALE ELLSWORTH, ET AL	0.04 ±	1,750
38	TOWN OF PLEASANT VIEW	0.07 ±	2,884
39	LETTIE M. FERRIN, ET AL	0.02 ±	885
40	FARMER E. JOHNS, ET AL	0.02 ±	902
41	B.L. CRAGUN, ET AL	0.02 ±	840
42	ELMER H. BAILEY, ET AL	0.02 ±	1,050
43	THEOD. OLE ALEX OLSEN, ET AL	0.01 ±	490
44	LEVI E. CRAGUN, ET AL	0.02 ±	700
45	PAUL B. CRAGUN, ET AL	0.03 ±	1,400
47	SHERMAN PARKER, ET AL	0.02 ±	875
48	LEON B. JONES, ET AL	0.02 ±	850
49	ANNIE B. CRAGUN	0.01 ±	400
50	EARL B. CRAGUN, ET AL	0.02 ±	900
51	WELDON B. CRAGUN, ET AL	0.05 ±	2,326
52	LAWRENCE J. HARRIS, ET AL	0.09 ±	3,852
39:E	LETTIE M. FERRIN, ET AL	0.03 ±	
40:E	FARMER E. JOHNS, ET AL	0.03 ±	
43:E	THEOD. OLE ALEX OLSEN, ET AL	0.02 ±	
44:E	LEVI E. CRAGUN, ET AL	0.02 ±	
45:E	PAUL B. CRAGUN, ET AL	0.04 ±	
49:E	ANNIE B. CRAGUN	0.01 ±	
50:E	EARL B. CRAGUN, ET AL	0.02 ±	
52:E	LARENCE J. HARRIS, ET AL	0.03 ±	

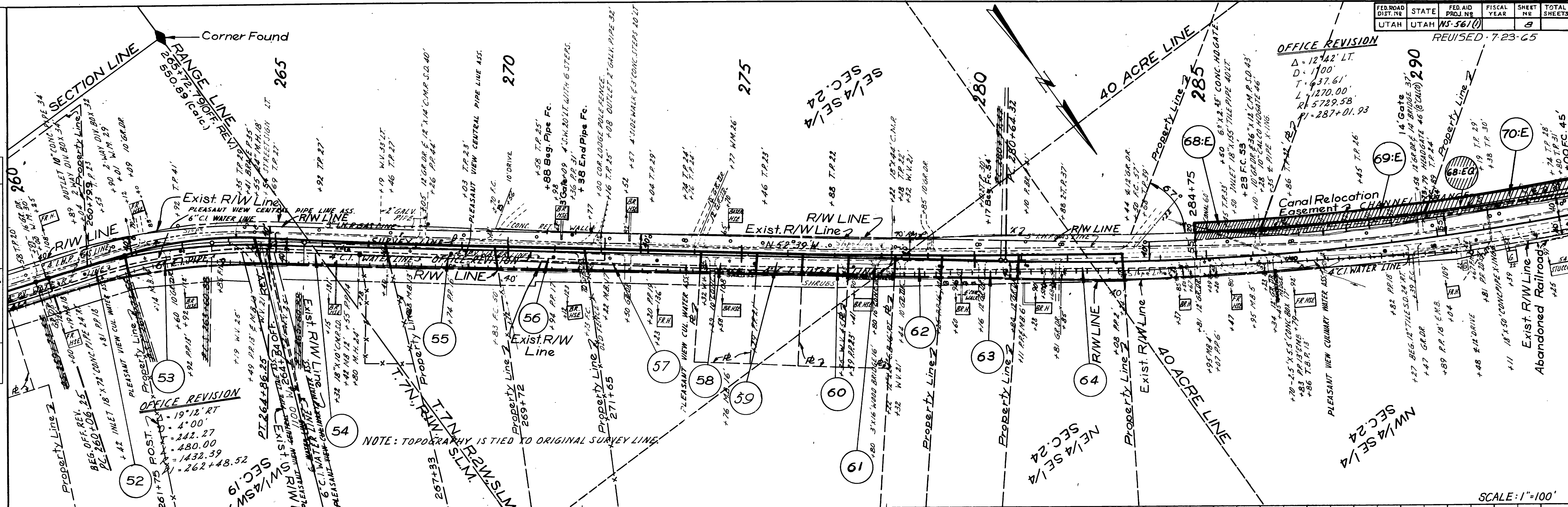
NOTE: Many of the properties thru here refer to the existing R/W line where the Southerly and Northerly R/W fences of abandoned RR are indicated above; But we hold that the existing R/W lines are 33 ft on either side of the center line. SEE FAP-32 (of exist. highway.)



OFFICE REVISION  
REVISED 7-23-65

PLAN	DATE
SURVEYED	6-1964
PLOTTED	7-1964
NOTE BOOK	12227
NO. 22230	REV. 3, 63

PROFILE	DATE
SURVEYED	8-1964
PLOTTED	9-1964
NOTE BOOK	12229
NO. 22230	

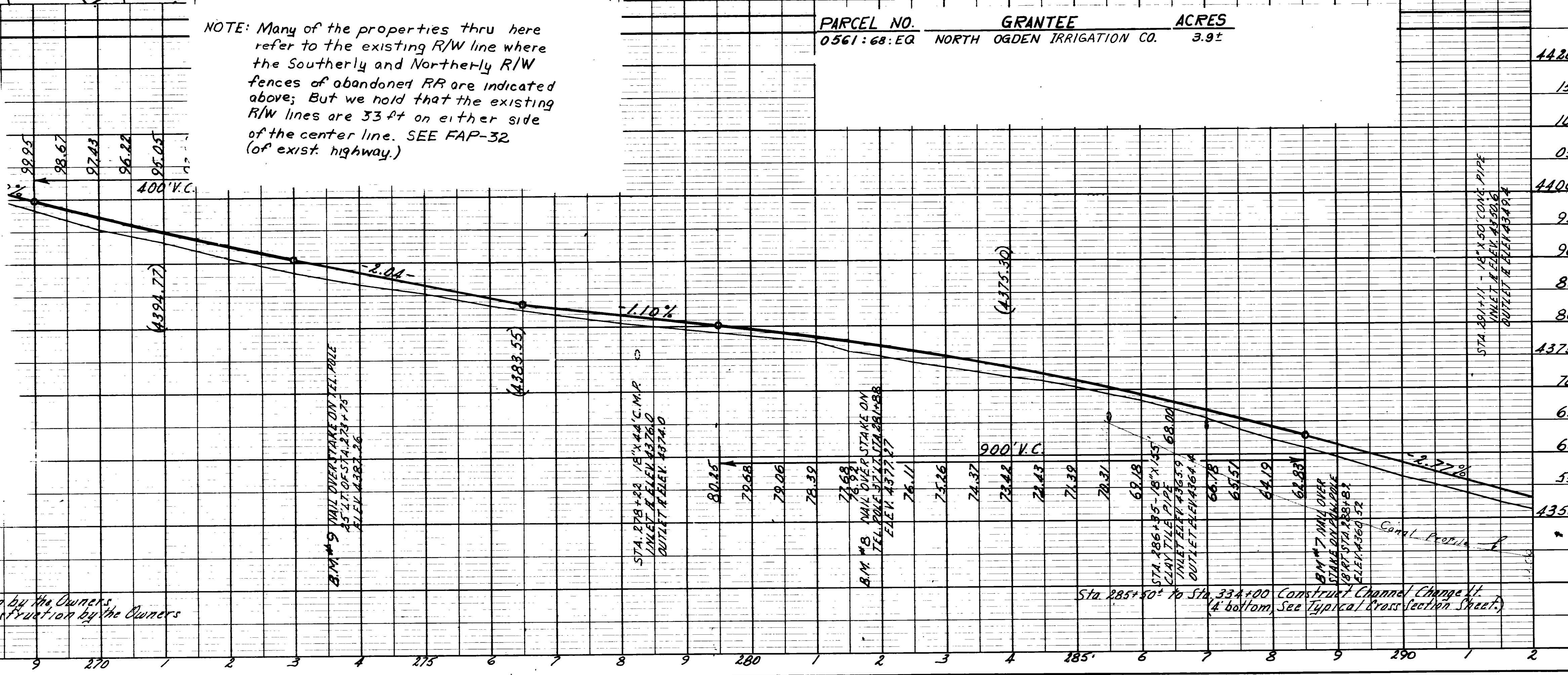


NOTE: TOPGRAPHY IS TIED TO ORIGINAL SURVEY LINE.

NOTE: Many of the properties thru here refer to the existing R/W line where the Southerly and Northerly R/W fences of abandoned RR are indicated above; But we hold that the existing R/W lines are 33 ft on either side of the center line. SEE FAP-32 (of exist. highway.)

PARCEL NO.	GRANTEE	ACRES
0561: 68:EQ	NORTH OGDEN IRRIGATION CO.	3.9±

PARCEL NO.	OWNER	NET AC.	SQ. FT.
4420 0561: 52	LAWRENCE J. HARRIS ETAL	0.09±	3,852
53	JOSEPH M. JENSEN, ETAL	0.11±	4,768
15 54	LOYAL E. GOOCH, ETAL	0.11±	4,986
55	LAMAR JENSEN, ETAL	0.08±	3,480
10 56	HERBERT H. ISAKSON, ETAL	0.05±	2,380
57	GEORGE E. HUMPHREYS, ETAL	0.04±	1,934
58	JOYCE E. HUMPHREYS, ETAL	0.02±	1,044
05 60	DEVEAR T. SPIERS, ETAL	0.02±	740
61	BARBARA J. ANDERSON	0.03±	1,100
4400 62	GEORGE H. RHEES, ETAL	0.03±	1,148
63	LELAND W. RHEES, ETAL	0.06±	2,723
64	REFUND RHEES, (WIDOWER)	0.01±	578
95 68:F	SHERMAN L. JONES, ETAL	0.07±	
69:F	ARTHUR E. RHEES	0.18±	
90 70:E	EARL J. RHEES, ETAL	0.43±	
85 59	JESSIE MASON, ETAL	0.02±	805



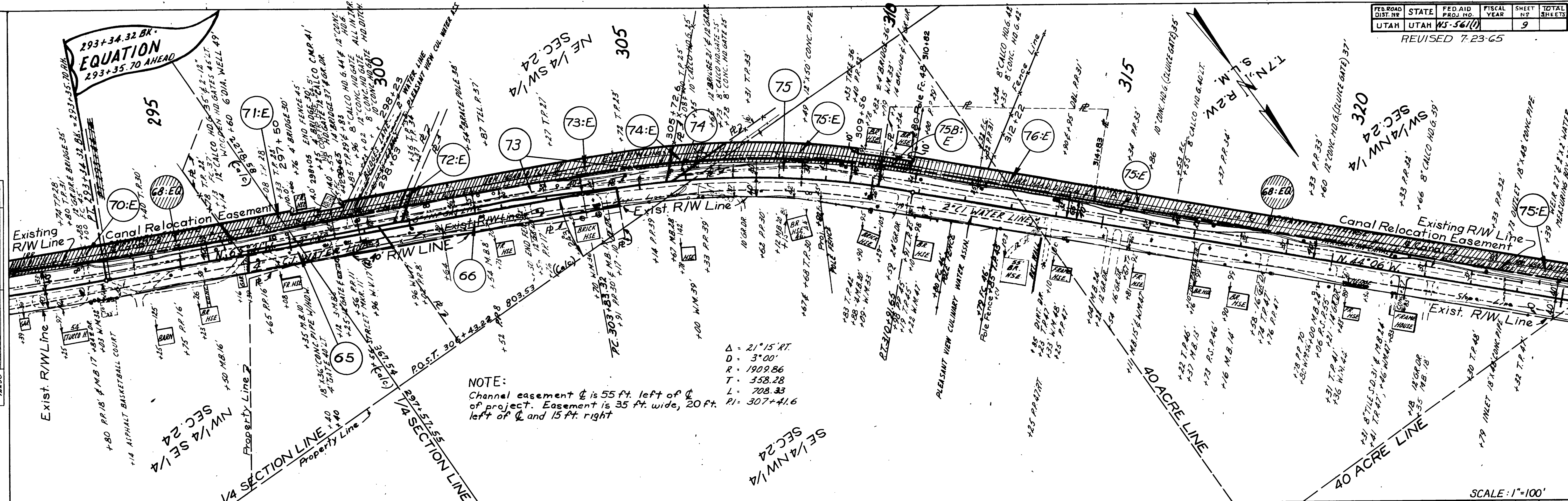
Sta. 260+00 to Sta. 292+00 Power Poles to be moved to clear construction by the Owners.  
Sta. 260+00 to Sta. 292+00 Telephone Poles to be moved to clear construction by the Owners

Sta. 285+00 to Sta. 334+00 Construct Channel Change at Bottom. See Typical Cross Section Sheet.



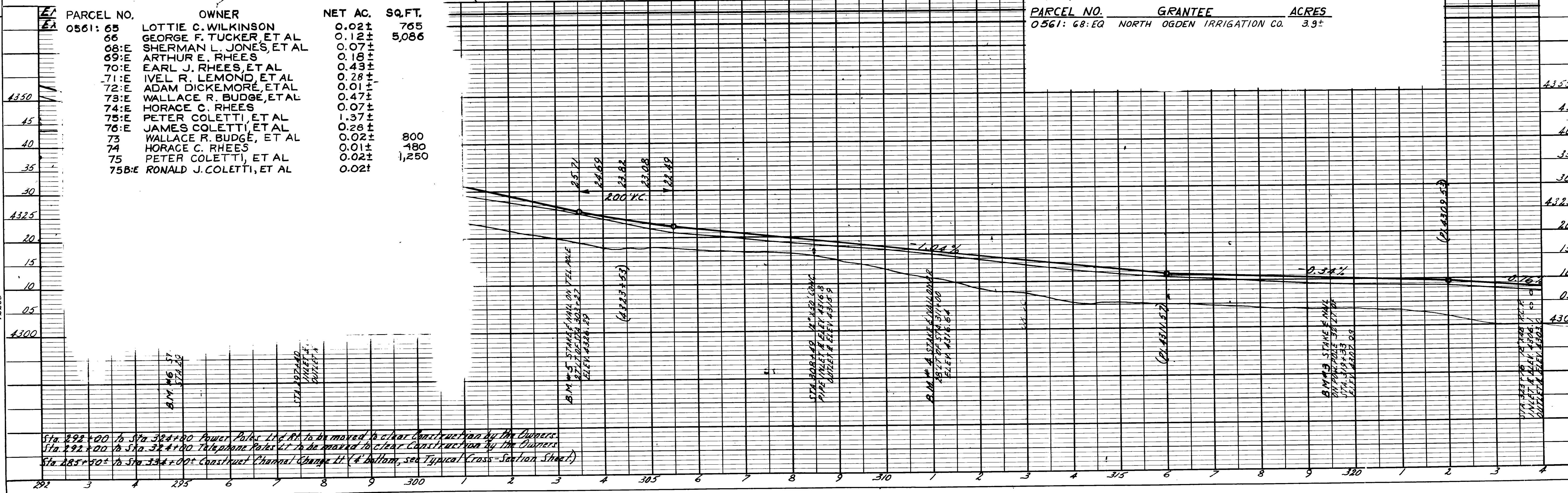
PLAN	DATE	BY
SURVEYED	8-17-60	W.L. MARSH
PLOTTED	8-24-60	W.L. MARSH
ALIGNED CHECKED	8-24-60	W.L. MARSH
NOTE BOOK CHECKED	8-24-60	W.L. MARSH
NO. 22250		W.L. MARSH
NO. 22251		W.L. MARSH
NO. 22252		W.L. MARSH

PROFILE	DATE	BY
SURVEYED	8-17-60	W.L. MARSH
GRADES CHECKED	8-24-60	W.L. MARSH
B.M. NOTED	8-24-60	W.L. MARSH
STANDARD ROTATIONS CHKD.	8-24-60	W.L. MARSH



PARCEL NO.	OWNER	NET AC.	SQ. FT.
0561: 65	LOTTIE C. WILKINSON	0.02±	765
66	GEORGE F. TUCKER, ET AL	0.12±	5,086
68:E	SHERMAN L. JONES, ET AL	0.07±	
69:E	ARTHUR E. RHEES	0.18±	
70:E	EARL J. RHEES, ET AL	0.43±	
71:E	IVEL R. LEMOND, ET AL	0.28±	
72:E	ADAM DICKEMORE, ET AL	0.01±	
73:E	WALLACE R. BUDGE, ET AL	0.47±	
74:E	HORACE C. RHEES	0.07±	
75:E	PETER COLETTI, ET AL	1.37±	
76:E	JAMES COLETTI, ET AL	0.28±	
73	WALLACE R. BUDGE, ET AL	0.02±	800
74	HORACE C. RHEES	0.01±	480
75	PETER COLETTI, ET AL	0.02±	1,250
75B:E	RONALD J. COLETTI, ET AL	0.02±	

PARCEL NO.	GRANTEE	ACRES
0561: 68:EQ	NORTH OGDEN IRRIGATION CO.	3.9±

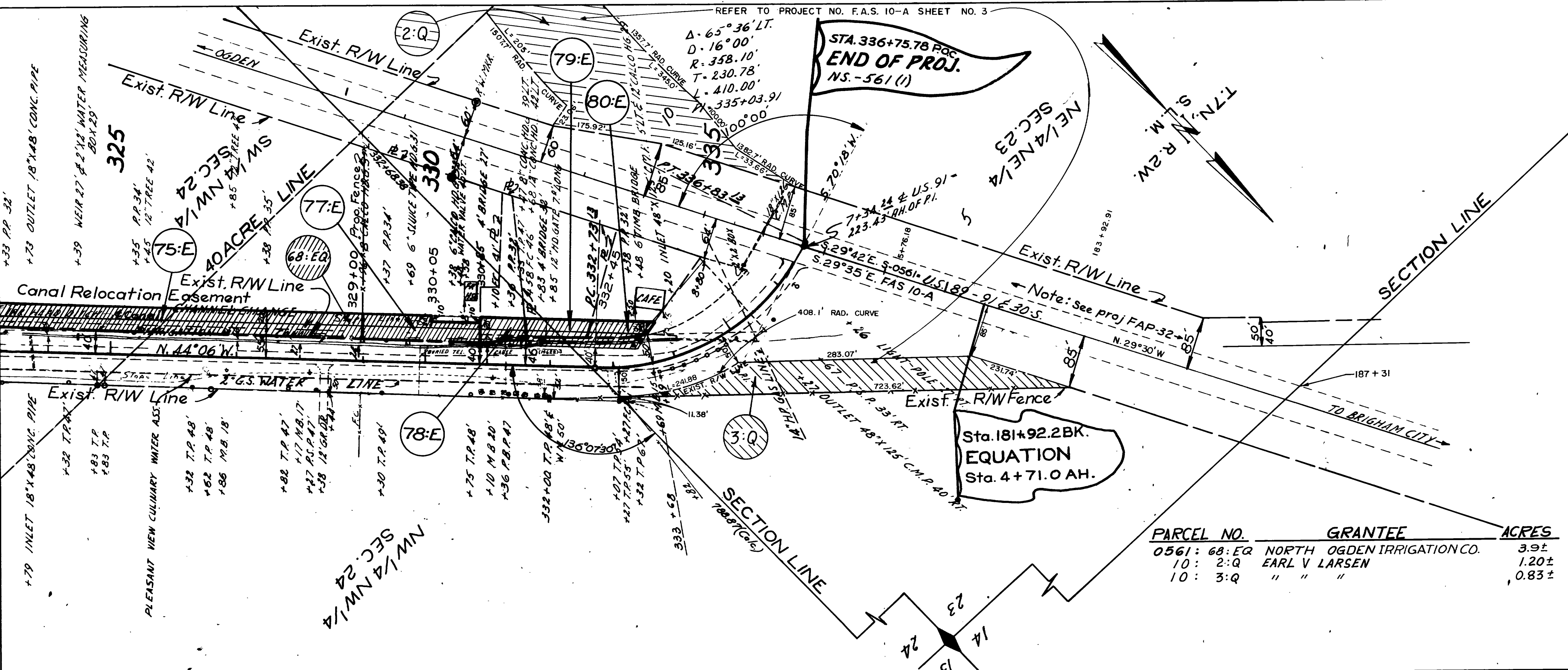


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
UTAH	UTAH	NS-561(1)		10	

REVISED 7-23-65  
REVISED 5-4-77

REFER TO PROJECT NO. F.A.S. 10-A SHEET NO. 3

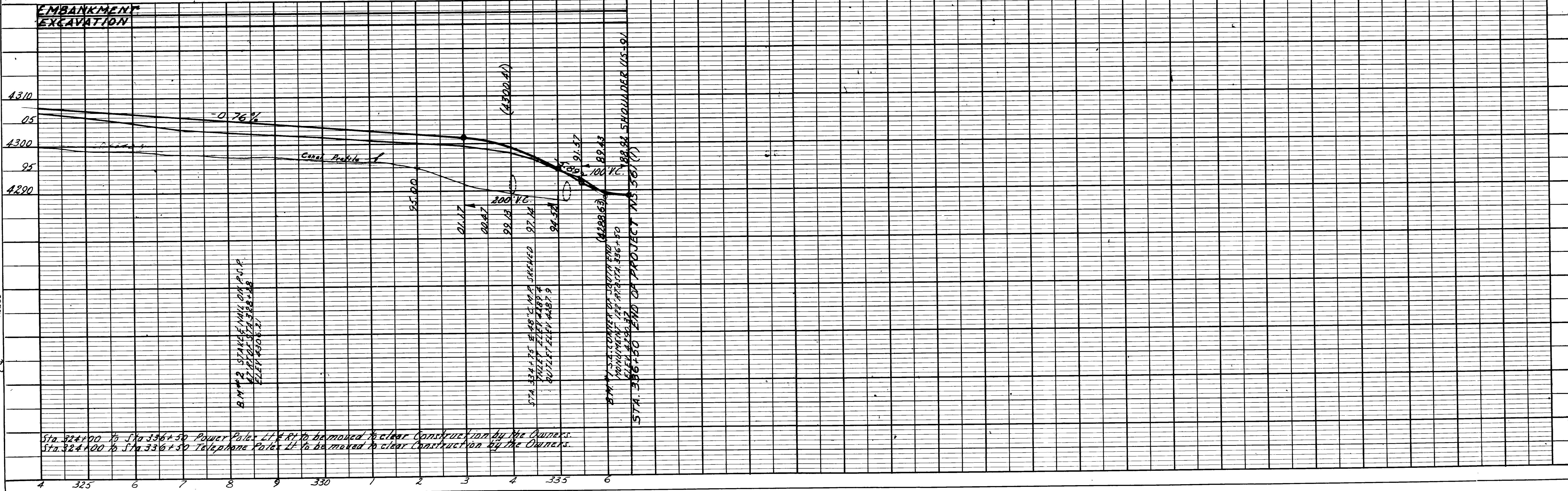
PLAN	DATE
BY: K.M. MASDEN CHECKED: M.J. WILKINSON NO. 2227	8/2/60
BY: K.M. MASDEN CHECKED: M.J. WILKINSON NO. 2228	8/2/60



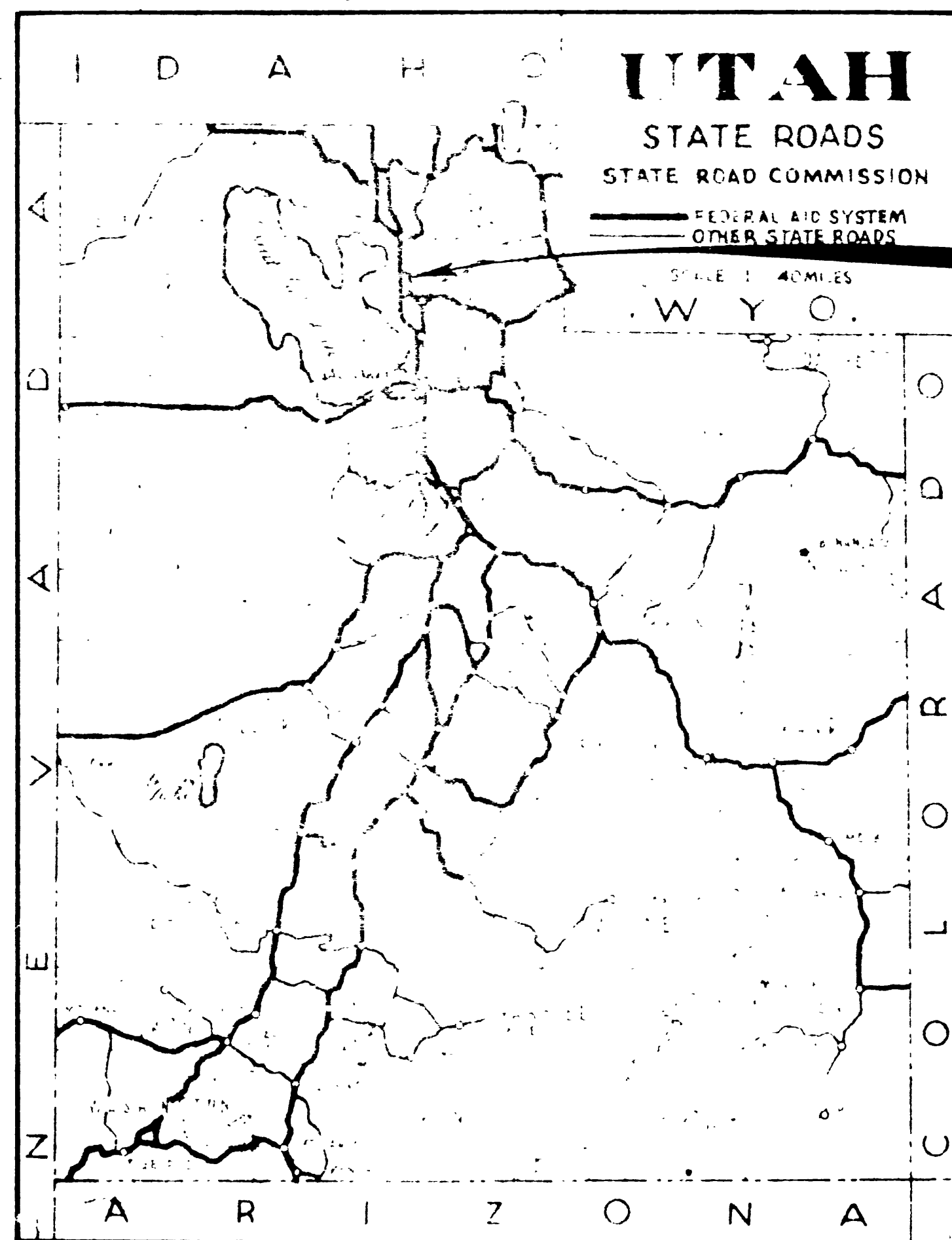
PARCEL NO.	OWNER	NET AC
0561:75:E	PETER COLETTI, ET AL	1.79±
77:E	MILLCENT NEIL MATHEWS	0.15±
78:E	FLORENCE M. JOHANSEN	0.06±
79:E	VALBORG J. MCGREGOR WHEELER	0.09±
80:E	VERN H. TAYLOR, ET AL	0.06±

PARCEL NO.	GRANTEE	ACRES
0561:68:ER	NORTH OGDEN IRRIGATION CO.	3.9±
10:2:Q	EARL V LARSEN	1.20±
10:3:Q	" " "	0.83±

PROFILE	DATE
BY: K.M. MASDEN CHECKED: M.J. WILKINSON NO. 2229	8/2/60
BY: K.M. MASDEN CHECKED: M.J. WILKINSON NO. 2230	8/2/60



SCALE: 1"=100'



NS-561(1)

AS CONSTRUCTED

*cid*  
*30-255*  
*W.P. Drive*

# STATE OF UTAH STATE ROAD COMMISSION

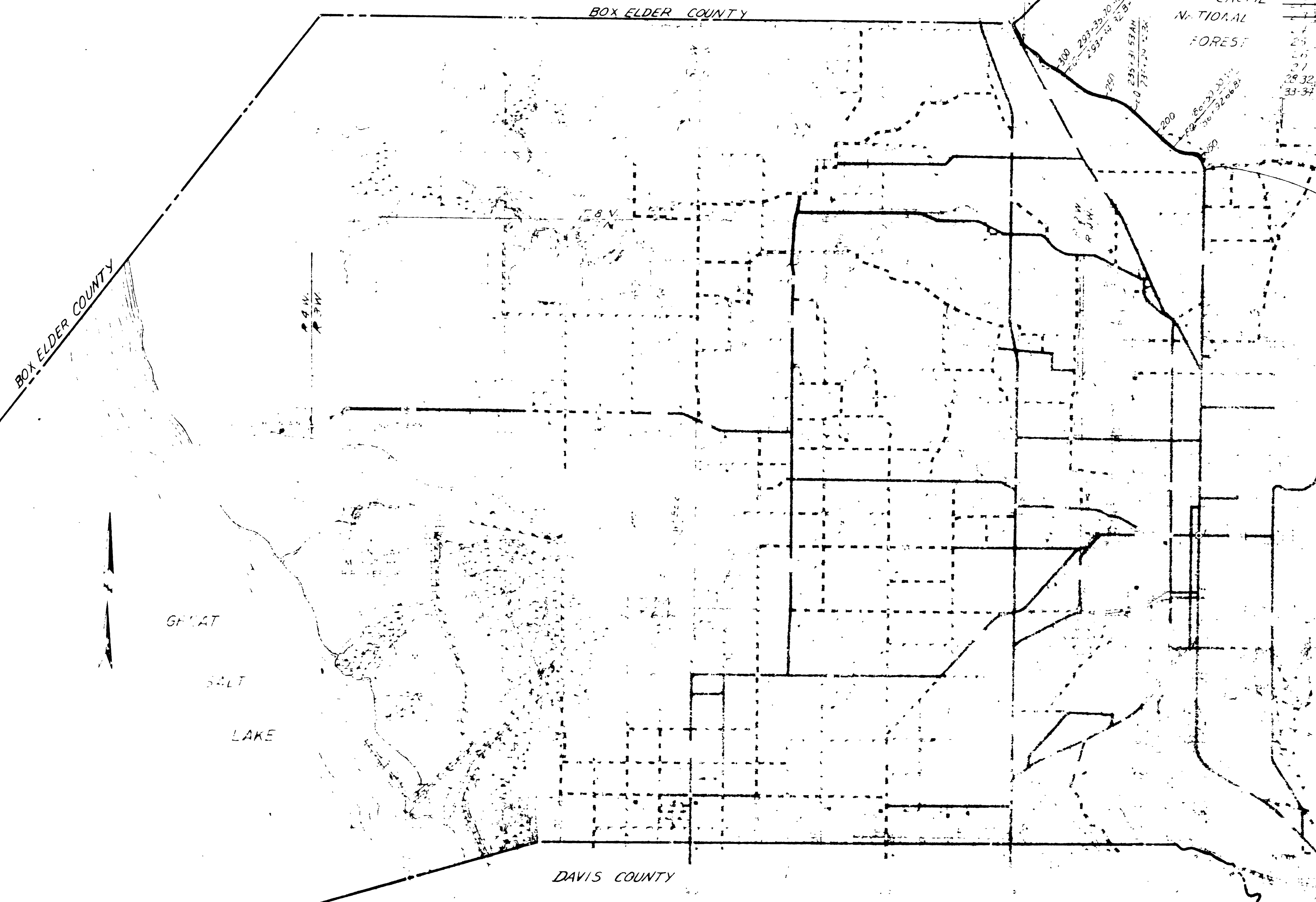
## PLANS OF PROPOSED STATE ROAD

**NS-561(1)**  
**NO. OGDEN TO U.S. 91**  
**WEBER COUNTY**  
**LENGTH 3.748 MILES**

STA. 336+50  
END PROJ. NS-561(1)

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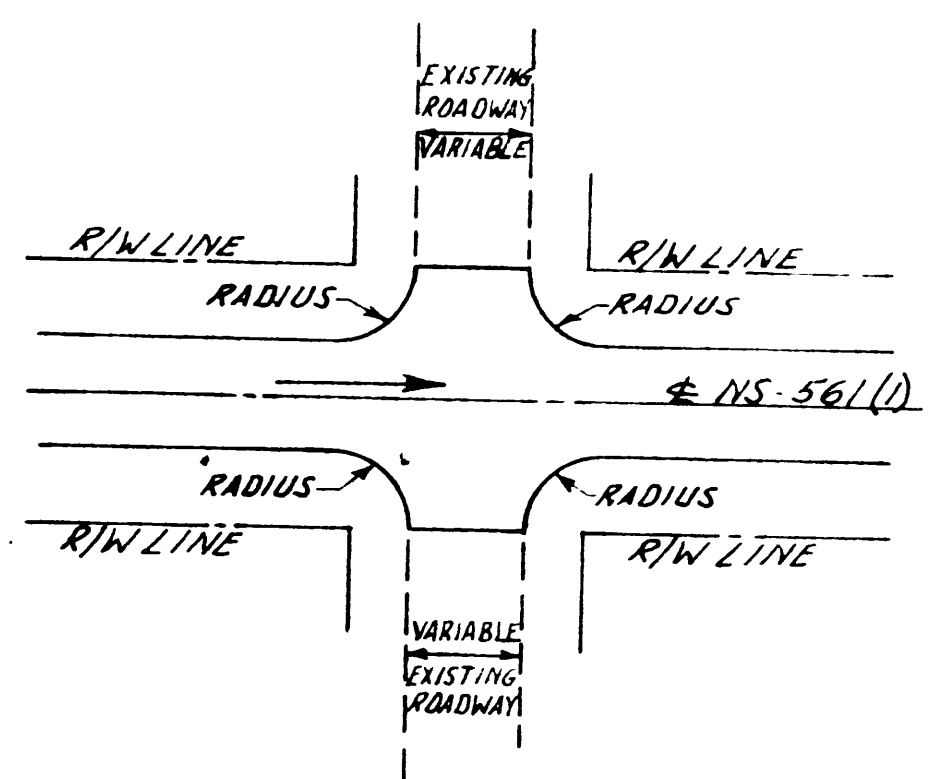
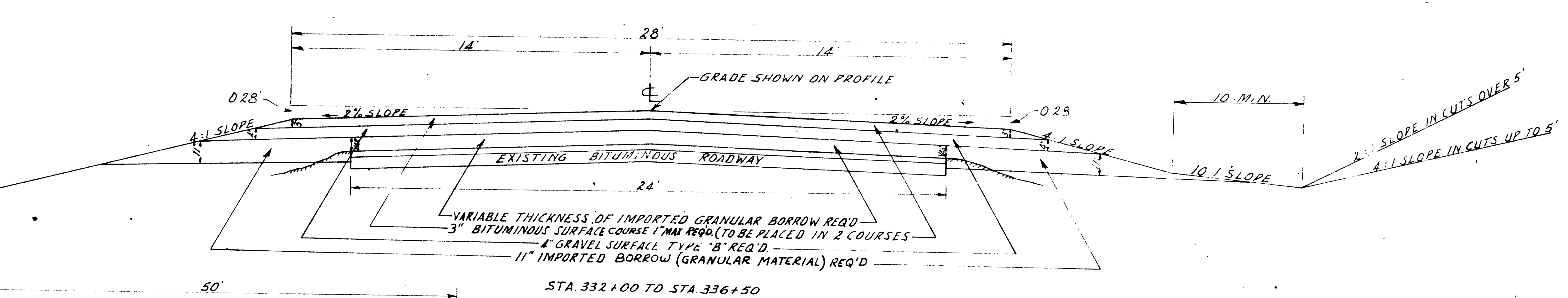
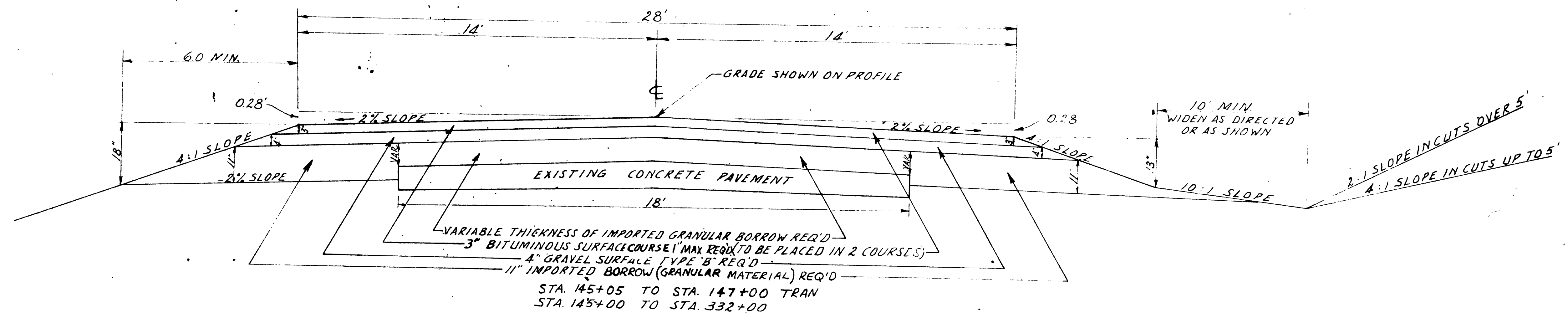
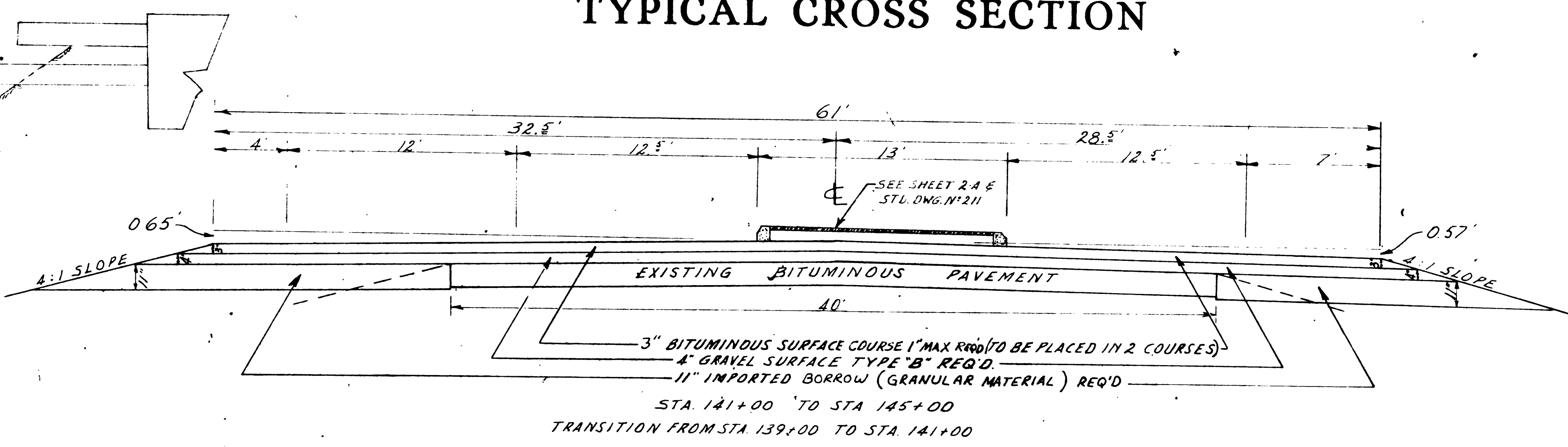
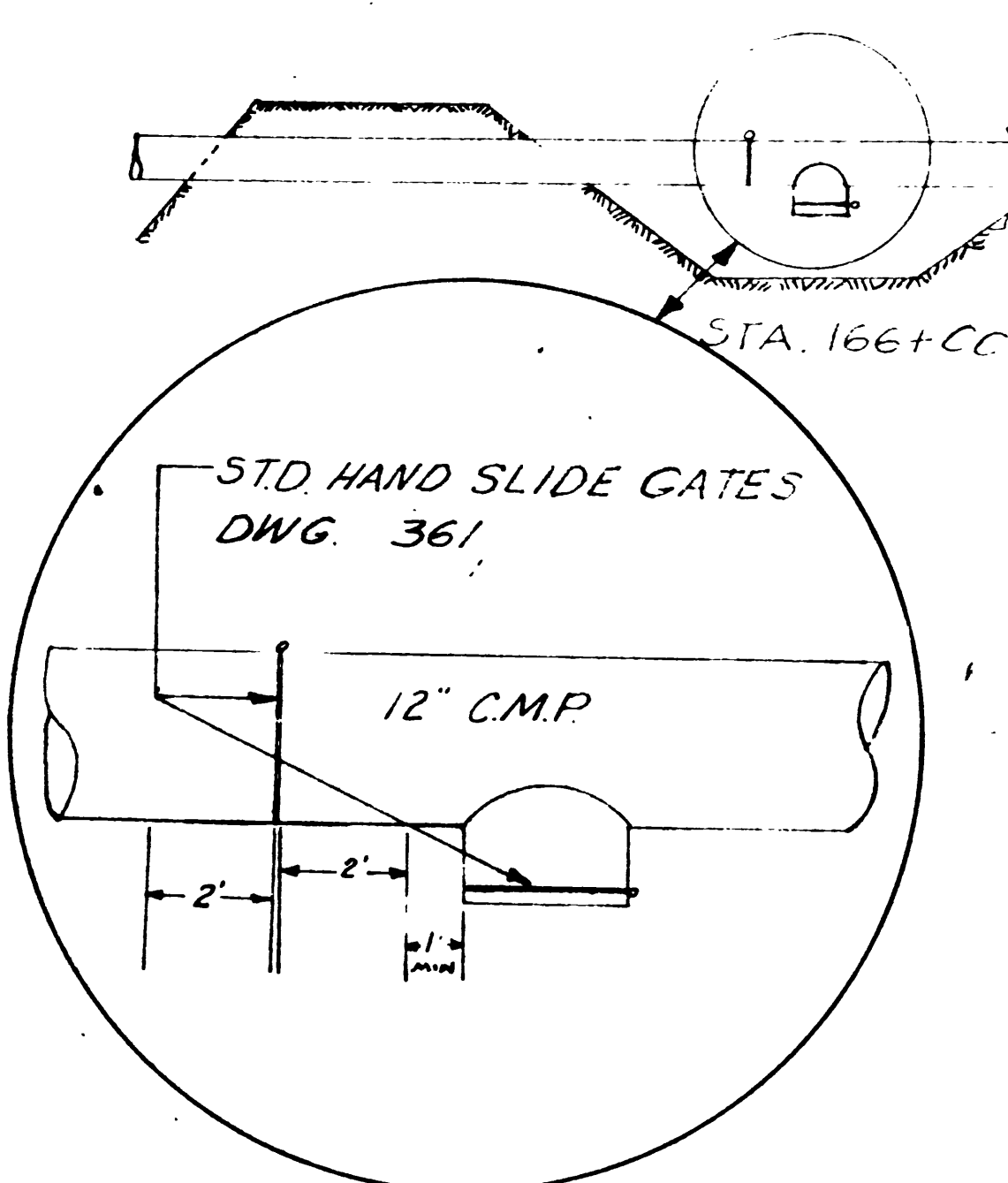


STA. 139+00  
BEG. PROJ. NS-561(1)

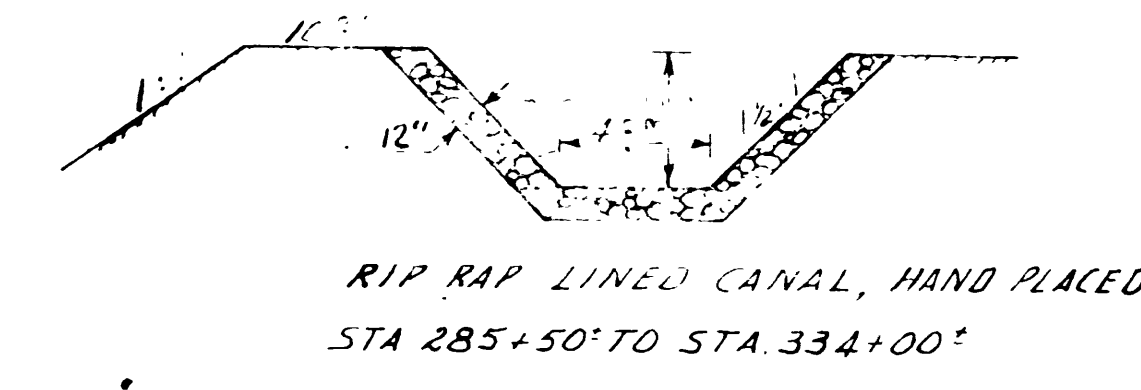
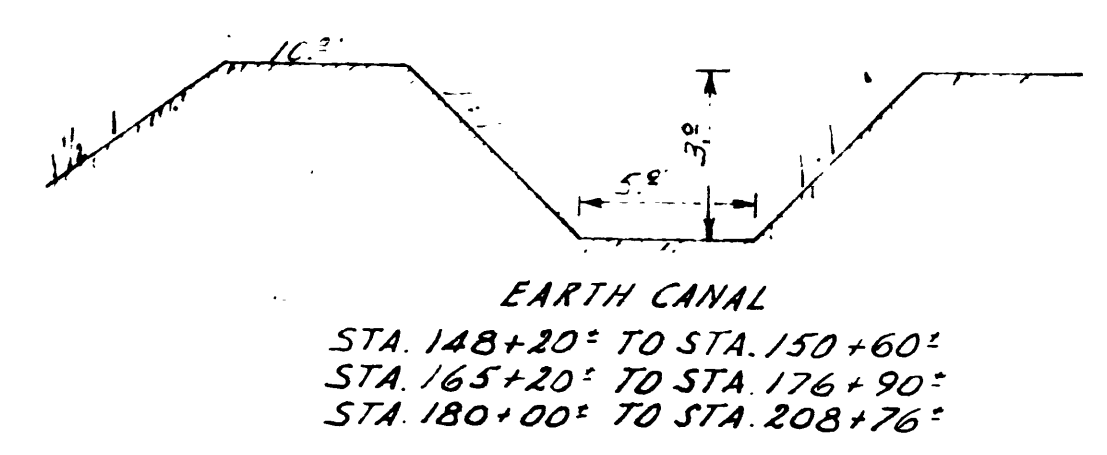
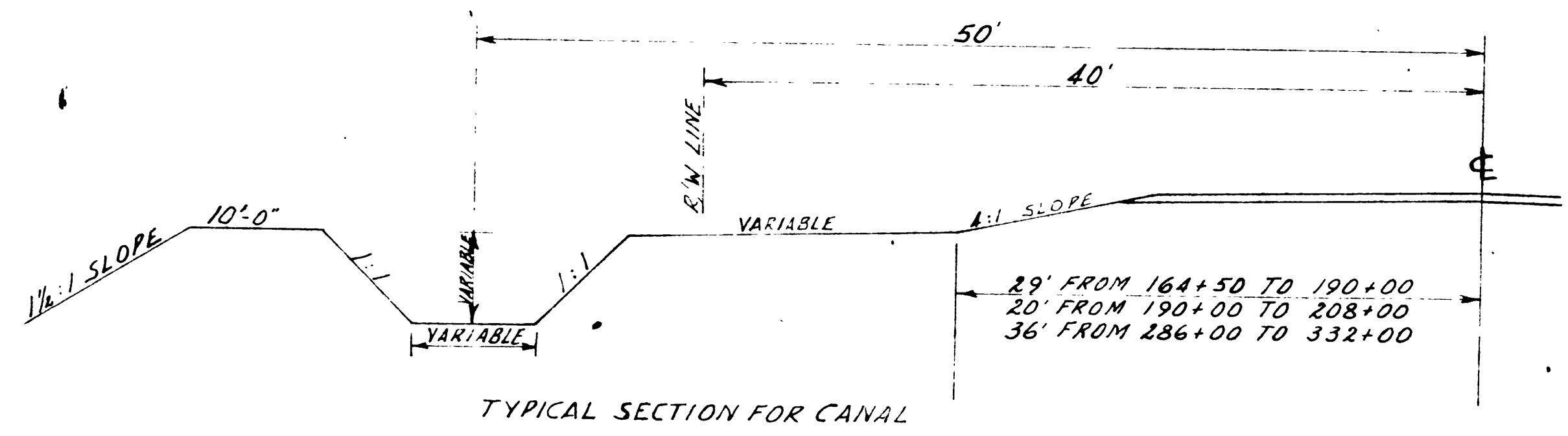
UTAH STATE DEPARTMENT OF HIGHWAYS  
RECOMMENDED FOR APPROVAL *October 1963*  
*[Signature]*  
ENGINEER OF ROADWAY DESIGN  
RECOMMENDED FOR APPROVAL *October 1963*  
*Blaine J. Kay*  
ENGINEER OF PLANS AND CONTRACTS  
APPROVED *October 1963*  
*[Signature]*  
DIRECTOR OF HIGHWAYS

# TYPICAL CROSS SECTION

**BITUMINOUS MATERIAL**  
 TYPE 85 - 100 PENETRATION ASPHALT REQ'D  
 IN MIX  
 TYPE MC-70 OR MC-250 REQ'D FOR PRIME COAT  
 TYPE RC-70 OR RC-250 REQ'D FOR TACK COAT  
 BETWEEN COURSES OF PLANT MIX OR AS  
 DIRECTED.  
 TYPE RC-800 OR RC-3000 FOR SEAL COAT



**INTERSECTIONS AND DRIVEWAYS**  
 RECONSTRUCT EXISTING DRIVEWAYS AND STREET INTERSECTIONS TO FIT NEW GRADE, WITH 25' RADIUS MINIMUM ON STREET INTERSECTIONS AND 10' RADIUS ON DRIVEWAYS, OR AS DETERMINED BY THE ENGINEER.



SUPERELEVATE CURVES IN ACCORDANCE WITH STD. DWG. NO. 202  
 DESIGN SPEED 40 M.P.H.

UTAH STATE ROAD COMMISSION  
 PLANT MIX BIT.  
 SURFACED ROADWAY

**NOTES**

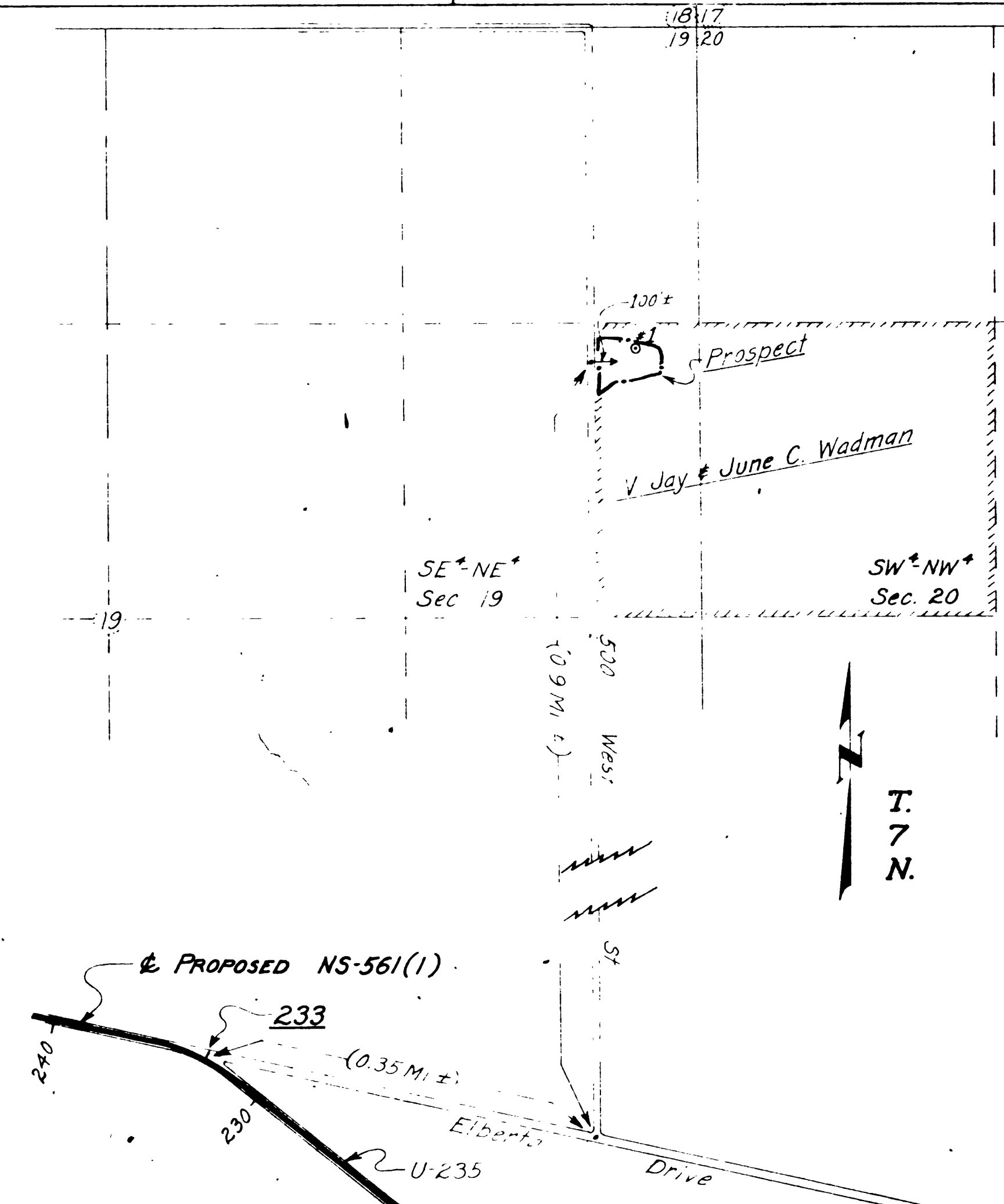
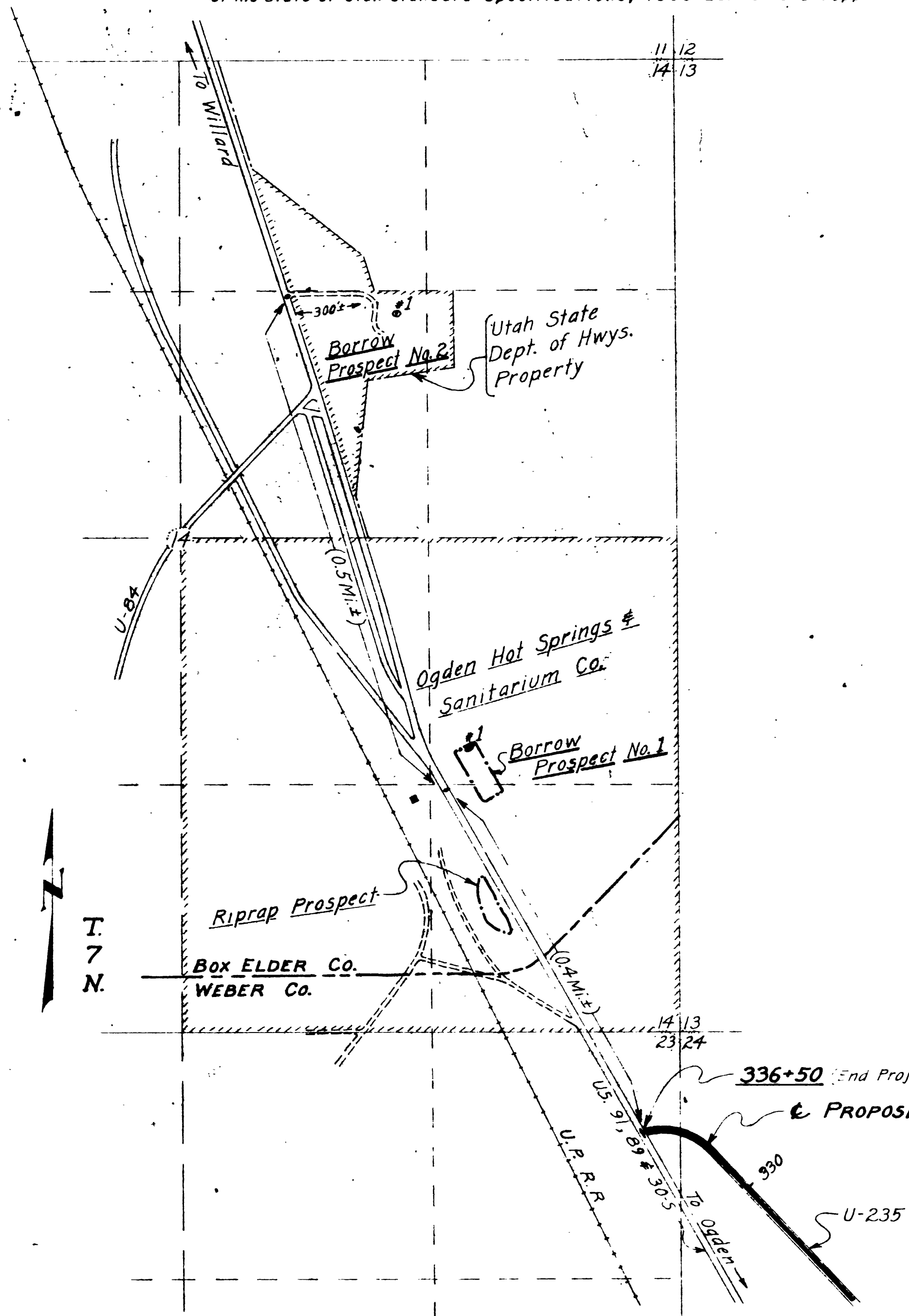
The information on these materials prospects shall in no way be construed so as to conflict with "Division I, Section 1-6.2 of Designated Local Materials Sources of the State of Utah Standard Specifications, 1960 Edition and Supplements."

**LEGEND**

- Ground Water Table (G.W.T.) = = Test Hole
- Bottom of Test Hole = \* = Section No.
- Section Line (S) =
- 1/4 Section Line =
- 1/16 Section Line =
- Proposed Highway =
- Prospect Boundary =
- Property Boundary =

- Topsoil or Fill
- Clay
- Silt
- Sand
- Gravel & Boulders
- Solid Rock

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
UTAH	NS-561(1)		2-A	
<b>UTAH STATE DEPARTMENT OF HIGHWAYS MATERIALS SECTION</b>				
<b>MATERIALS PROSPECTS AND TEST HOLES</b>				
PROJECT NO. <u>NS-561(1)</u>				
PROJECT NAME <u>SR-235, NORTH OGDEN TO U.S.-91</u>				
COUNTY <u>WEBER</u> <span style="float: right;">29-235-2</span>				
DATE <u>JULY 1963</u> DRAWN BY <u>J. CLAYTON</u>				
DATA BY <u>                    </u> AUTH. <u>8107</u>				
FIELD BOOK: <u>                    </u>				SHEET NO. <u>1</u> OF <u>1</u>



B & M Scale 1" =                      Contour Interval =                     

Prospect No.                     

**LOG of TEST HOLES**

#	#	#	#	#	#	#	#	#	#	#	Ground Line
1	2	3	4	5	6	7	8	9	10		

R-2-W. S.L. B. & M. Scale: 1" = 500' Contour Interval =                     

Prospect No. 2

**LOG of TEST HOLES**

#	#	#	#	#	#	#	#	#	#	#	Ground Line
1	2	3	4	5	6	7	8	9	10		

Cutbank 10' 30'

B & M Scale 1" =                      Contour Interval =                     

Prospect No. 1

**LOG of TEST HOLES**

#	#	#	#	#	#	#	#	#	#	#	Ground Line
1	2	3	4	5	6	7	8	9	10		

Cutbank 6'

R-1-W. S.L. B. & M. Scale 1" = 500' Contour Interval =                     

Prospect No. 1

**LOG of TEST HOLES**

#	#	#	#	#	#	#	#	#	#	#	Ground Line
1	2	3	4	5	6	7	8	9	10		

Cutbank 15'





# SUMMARY SHEET

LIST OF STRUCTURES

STATION	IN PLACE	MOVING METAL CONC.	CONC. SLEWER PIPE						SALVAGE & RELAY	SMALL DITCH EXC.	STR. EXC.	MECH. TAMPS	CLASS. CONC. (A/E)	REINF. STEEL	STR. STEEL	LINE NO.	DWG. NO.	REMARKS	STATION	STATION	DEEP BEAM HIGHWAY GUARD RAIL TYPE		GUIDE POSTS		SUMMARY OF ITEMS													
			8"		10"		12"														8"	10"	12"	6"	10"	12"	CU. YD.	CU. YD.	LB.	LB.			LT.	RT.	LT.	RT.	NAME	QUANTITY
			LIN.FT.	LIN.FT.	LIN.FT.	LIN.FT.	LIN.FT.	LIN.FT.																														
148+50	10"x32" CONC.	1																																				
168+25	12"x8" CMP	1																																				
169+00	10"x9" CONC.	1																																				
170+47	10"x6" CONC.	1																																				
174+20	12"x9" CMP	1																																				
177+03	12"x12" CMP	1																																				
183+03	12"x29" CONC.	1																																				
183+72	8"x14" CMP	1																																				
181+80	12"x110" CMP	1																																				
192+25	8"x42" CMP	1																																				
185+92	12"x12" CONC.	1	2																																			
199+87	12"x12" CONC.	1	2																																			
206+90	NONE	1																																				
205+33	12"x16" CMP	1	3																																			
281+53	CONC. STRIP	1																																				
286+62	10"x6" CMP	1																																				
283+85	8"x6" CMP	1																																				
290+00	12"x8" CMP	1																																				
279+15	12"x12" CMP	1																																				
278+55	12"x8" CMP	1																																				
250+52	CONC. STRIP	1																																				
255+10	6" CONC. PIPE XING	1																																				
306+25	10"x8" CONC.	1																																				
306+92	10"x8" CONC.	1																																				
309+00	12"x8" CONC.	1																																				
312+38	10"x4" CMP	1																																				
315+36	10"x6" CONC.	1																																				
316+80	10"x6" CMP	1																																				
312+64	10"x10" CONC.	1																																				
321+50	10"x6" CMP	1																																				
329+03	10"x9" CONC.	1																																				
329+93	6"x6" CONC.	1		18																																		
330+30	8"x6" CMP	1																																				
331+85	8"x6" CONC.	1																																				
332+04	12"x10" CONC.	1																																				
334+10	CALCO N/GATE	1																																				
294+70	6" SLEWER PIPE XING	1																																				
292+	NONE	1																																				
157+60																																						
166+07																																						
	1' FOR EXTENSIONS																																					
	5' B-TOTAL	26	14	19	393	27	35	104																														
	TOTAL FROM SHT. 3				36	80																																
	TOTAL	26	14	19	429	107	35	104	0	0	43	35	14	65	0	668																						

REVISIONS  
DATE BY

SEE SHEETS 3 & 3-A

NOTE:  
QUANTITIES SHOWN ON THESE PLANS ARE APPROXIMATE





# SUMMARY SHEET

NS-561 3-A D  
REV. 10-18-63

## EARTHWORK QUANTITIES

## GRAVEL SURFACING

STATION TO STATION	EMBANKMENT		EXCAVATION		SMALL DITCH EMBANKMENT	SMALL DITCH EXCAVATION	OVERHAUL		
	CU. YD.	CU. YD.	CU. YD.	CU. YD.			CLASS "A"	CLASS "B"	
139+00 - 146+18	243	317							
146+18 - 149+70	1129	77		58	341				
149+70 - 152+00	337	436	2097				20970	18424	
152+00 - 175+80	9055	417	23889	2188			138890	53811	
175+80 - 182+00	1016	1303		267	2628				
182+00 - 209+00	9385	822	6672	3901			66720	31152	
209+00 - 234+00	1159	608							
234+00 - 237+30	397	264							
237+30 - 242+50	577	747	4834				48340	12691	
242+50 - 248+10	853	856							
248+10 - 248+50	84	50							
248+50 - 251+00	303	583							
251+00 - 253+40	103	492	769				7690	1701	
253+40 - 256+00	182	167							
256+00 - 262+50	630	814	959				2089	9590	1940
262+50 - 264+50	264	159							
264+50 - 265+20	50	102							
265+20 - 272+20	1058	507							
272+20 - 273+60	381	44	2228				22280	4213	
273+60 - 283+60	1346	1722							
283+60 - 286+50	434	1025	1431	163			14310	2352	
286+50 - 297+50	878	878	6612	2799			66120	9692	
297+50 - 302+00	1339	1676	3637	2023			36370	4747	
302+00 - 305+15	310	114		391					
305+15 - 312+00	1154	1500	2808	1598			28080	3074	
312+00 - 333+60	6260	3472	6572	1154			34720	3142	
333+60 - 336+00	201	241					36370	6674	
TOTAL	45202	13492	55436	22793	6412		554360	134443	
USE									

STATION TO STATION	LENGTH	AVE WIDTH	DEPTH	COVER MAT. TYPE "A" (20 LBS/SQ YD)	SURF GRAVEL TYPE "B" (140 LBS/CU FT)	GRAVEL BASE COURSE (140 LBS/CU FT)
139+00 - 141+00	200	53.833	2		126.25	
141+00 - 145+05	405	64.333	4		608	
145+05 - 147+00	195	49.333	2		113	
147+00 - 336+50	19185	31.333	4		14508	
DRIVEWAYS & INTERSECTIONS					5660	
139+00 - 14+00	200	50.5	11			
141+00 - 145+05	405	61.0	27			
145+05 - 147+00	195	46.5	10			
147+00 - 336+50	19185	28.0			7354	
TOTAL					7834	21,1525
USE						

DESCRIPTION	UNIT	QUANTITY
FINISH IN CONCRETE CURB 16"	EA	283
FINISH OF TREE	EA	2854
46" DIA	H	0
PLECTOR OPERATOR	H	0
FINISHING WATER PIPES	EA	170
GRAVELLAR BACK	TON	170
MOVING MAILBOXES	EA	105
MOVING STREET SIGNS	EA	7
BOXES, WATER METERS, VALVES ETC.	EA	5
CONSTRUCTION TOOLS	EA	0

STATION 139+00 BEGIN PROJECT  
ELEVATION 186+22.66 BK 186+50.00 AH  
255+29.72 BK 255+31.93 AH  
293+34.92 BK 293+35.70 AH

STATION 336+50  
PROJECT LENGTH 19,789.47 FT 3.748 MILES  
MIN. BRIDGES LENGTH --- FT  
ROADWAY LENGTH 19,789.47 FT 3.748 MILES

BRIDGE OVER 20' SPAN  
STATION  
STATION  
STATION  
TOTAL BRIDGES LENGTH --- FT --- MILES  
NONE

## BITUMINOUS QUANTITIES

BITUMINOUS MATERIAL TYPE MC-70 OR MC-250 (0.3 GAL/SQ. YD.) (249 GAL/TON)	200 X 53.8 X 0.25 / 2241 = 4.4 TONS X 63.0 X 0.25 / 2241 = 2.41 TONS 195 X 48.5 X 0.25 / 2241 = 1.13 TONS 19,185 X 30.0 X 0.25 / 2241 = 6421 TONS TOTAL = 6775 TONS	USE 6775 TONS
BITUMINOUS MATERIAL TYPE RC-70 OR RC-250 (0.1 GAL/SQ. YD.) (249 GAL/TON)	200 X 51.5 X 0.1 / 2241 = 0.5 TONS 405 X 61.0 X 0.1 / 2241 = 1.1 TONS 195 X 46.5 X 0.1 / 2241 = 0.4 TONS 19,185 X 28.0 X 0.1 / 2241 = 2.4 TONS TOTAL = 2.4 TONS	USE 2.4 TONS
BITUMINOUS MATERIAL TYPE 85-100 PEN. 5% OF BIT. SURFACE	0.0425 X 11,610 = 52821 TONS	USE 52821 TONS
BITUMINOUS SURFACE COURSE 1" MAX. (148 LBS./FT. <sup>3</sup> ) (2000)	200 X 51.5 X 0.25 X 0.074 = 191 TONS 405 X 61.0 X 0.25 X 0.074 = 465 TONS 195 X 46.5 X 0.25 X 0.074 = 171 TONS 19,185 X 28.0 X 0.25 X 0.074 = 10,293 TONS PAVED INTERSECTIONS & DRIVEWAYS = 11318 TONS TOTAL = 12,743.8 TONS	USE 12,743.8 TONS
BITUMINOUS MATERIAL TYPE RC-800 OR RC-3000 (0.2 GAL/SQ. YD.) (0.1 GAL/SQ. YD.) (245 GAL/TON)	200 X 50.5 X 0.2 / 2205 = 0.9 TONS 405 X 61.0 X 0.2 / 2205 = 2.2 TONS 195 X 46.5 X 0.2 / 2205 = 0.8 TONS 19,185 X 28.0 X 0.2 / 2205 = 48.7 TONS	USE 52.6 TONS
BITUMINOUS ADDITIVE (COMMERCIAL GRADE) 1% OF RC-800	NONE USED	USE 0 GALS
HYDRATED LIME 1% OF ROAD MIX	0.01 X 12744 = 127.4 TONS	USE 127.4 TONS

REMOVAL OF EXISTING CONCRETE PAVEMENT				
STATION TO STATION	LENGTH FT.	WIDTH FT.	THICKNESS IN.	SQ. YD.
158+50 - 162+00	350	7.5	0	0
168+00 - 171+50	350	6.0	0	0
241+83 - 250+52				
264+00 - 282+00	400	3.0	0	0
280+50 - 283+00	150	4.0	0	0
283+00 - 284+50	250	6.0	0	0
284+00 - 285+50	150	4.0	0	0
VARIOUS PIPE Y-RIMS	658	5.0		366
TOTAL				366
USE				

RIGHT OF WAY MARKERS			
STATION	NO.	SIDE	TYPE
147+00	1	RT	4"
148+77.12	2	BOTH	4"
153+11.96	2	BOTH	4"
157+78.56	2	BOTH	4"
164+31.52	2	BOTH	4"
168+32.08	2	BOTH	4"
174+25.18	2	BOTH	4"
160+50	1	RT	4"
180+00	2	BOTH	4"
210+00	2	BOTH	4"
220+00	2	BOTH	4"
230+28.25	2	BOTH	4"
235+25.12	2	BOTH	4"
241+62.20	2	BOTH	4"
246+45.33	2	BOTH	4"
255+50	2	BOTH	4"
264+86.25	2	BOTH	4"
270+00	2	BOTH	4"
280+14.25	2	BOTH	4"
287+00	2	BOTH	4"
293+25.25	2	BOTH	4"
303+65.32	2	BOTH	4"
310+91.65	2	BOTH	4"
320+00	2	BOTH	4"
340+00	2	BOTH	4"
342+73.13	2	BOTH	4"
TOTAL	47		
USE	47		

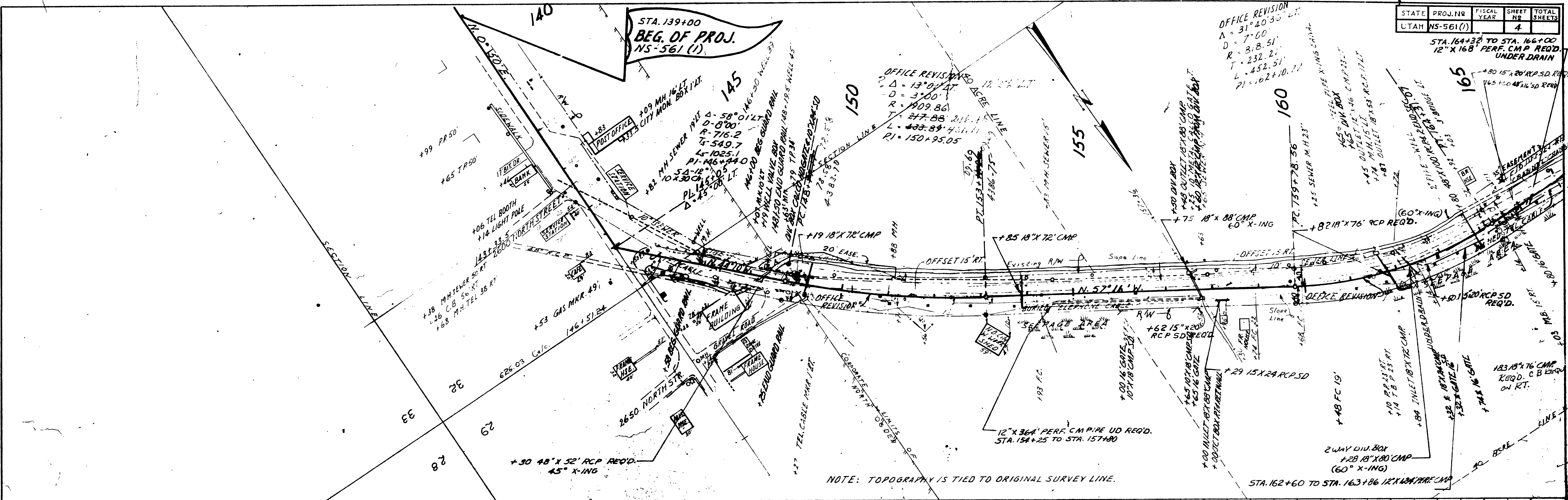
WATERING & ROLLING		
WATERING	50,769 + 12,547 = 1,732 M. GAL. + 100% FOR DUST	USE 5000 M. GAL.
TAMPING ROLLER	58,769 / 185 = 317 HRS. FOR CLAY EMB 23,000 / 185 = 125 HRS. TOTAL = 442 HRS.	USE 188 HOURS
ROLLERS FOR FINISHING	200 X 53,833 = 0.5 HRS. 25,500 405 X 64,333 = 1.2 HRS. 22,500 195 X 46,533 = 0.4 HRS. 22,500 19,185 X 28,033 = 28.7 HRS. 22,500 TOTAL = 28.8 HRS.	USE 2705 HOURS
* 195 HRS. TAMPING ROLLER & BRUSHING OPERATOR ROLLER.		

NOTE: QUANTITIES SHOWN ON THESE PLANS ARE APPROXIMATE.

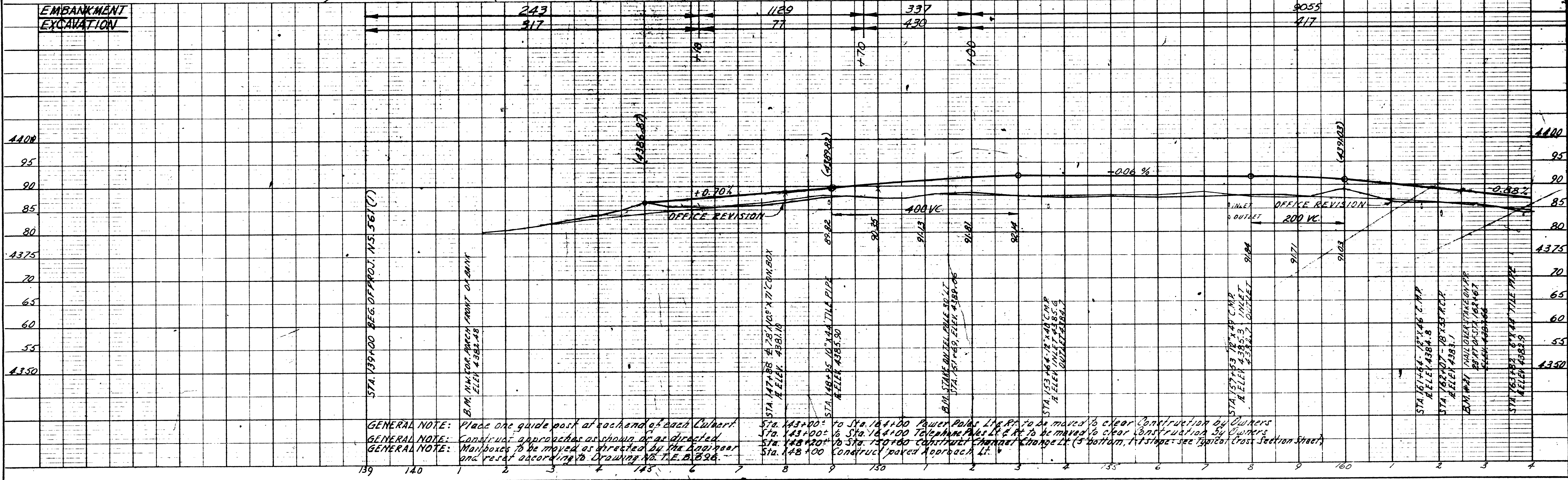
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BY	M.L. BRADEN
PLANNED	✓
ALIGNED	✓
CHECKED	✓
NO. OF PAGES	2
NO. OF SHEETS	4
NO. OF THIS SHEET	1

DATE	5/2/60
BY	M.L. BRADEN
PLANNED	✓
ALIGNED	✓
CHECKED	✓
NO. OF PAGES	2
NO. OF SHEETS	4
NO. OF THIS SHEET	1

STATE	PROJ. NR	FISCAL YEAR	SHEET NR	TOTAL SHEETS
UTAH	NS-561(1)		4	



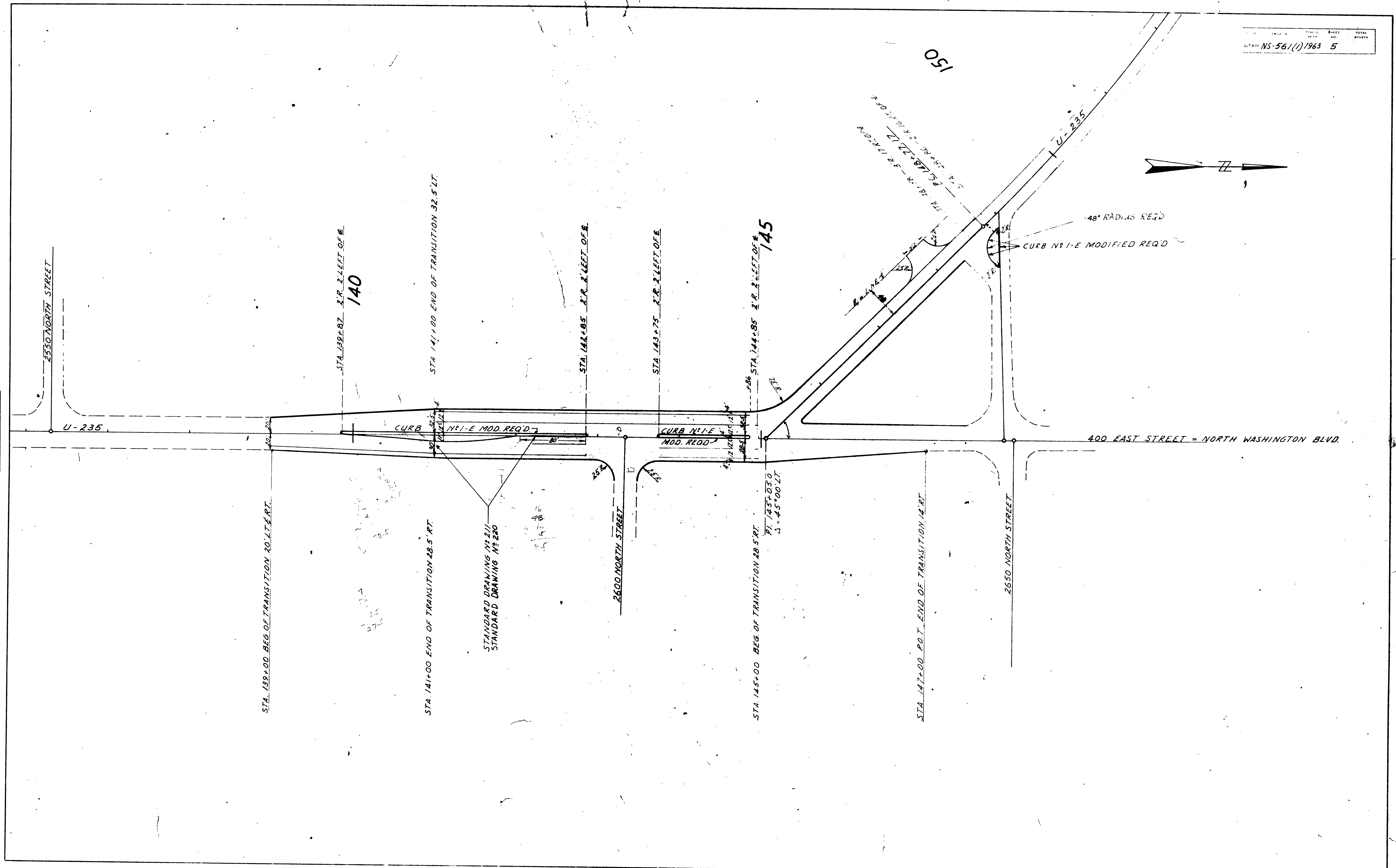
NOTE: TOPOGRAPHY IS TIED TO ORIGINAL SURVEY LINE.



GENERAL NOTE: Place one guide post at each end of each Culvert.  
 GENERAL NOTE: Construct approaches as shown or as directed.  
 GENERAL NOTE: Mailboxes to be moved as directed by the Engineer and reset according to Drawing No. T.E. B. 828.

Sta. 143+00 to Sta. 144+00 Power Poles L.R. to be moved to clear Construction by Owners  
 Sta. 143+00 to Sta. 144+00 Telephone Poles L.R. to be moved to clear Construction by Owners  
 Sta. 148+20 to Sta. 150+00 Construct Channel Change Lt. (5' bottom, 1:1 slope - see Typical Cross Section Sheet)  
 Sta. 148+00 Construct paved Approach Lt.

REVISIONS  
DATE BY



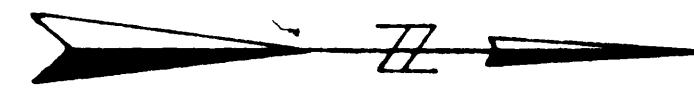
STANDARD DRAWING N° 211  
STANDARD DRAWING N° 220

2650 NORTH STREET

2600 NORTH STREET

2550 NORTH STREET

400 EAST STREET = NORTH WASHINGTON BLVD.



150

140

145

STA 139+00 BEG. OF TRANSITION 20' LT. & RT.

STA 141+00 END OF TRANSITION 28.5' RT.

STA 145+00 BEG. OF TRANSITION 28.5' RT.  
PI 145+05.0  
Δ = 45° 00' LT.

STA 147+00 P.O.T. END OF TRANSITION 14' RT.

STA 139+87 R.R. 2' LEFT OF E

STA 141+00 END OF TRANSITION 32.5' LT.

STA 142+85 R.R. 2' LEFT OF E

STA 143+75 R.R. 2' LEFT OF E

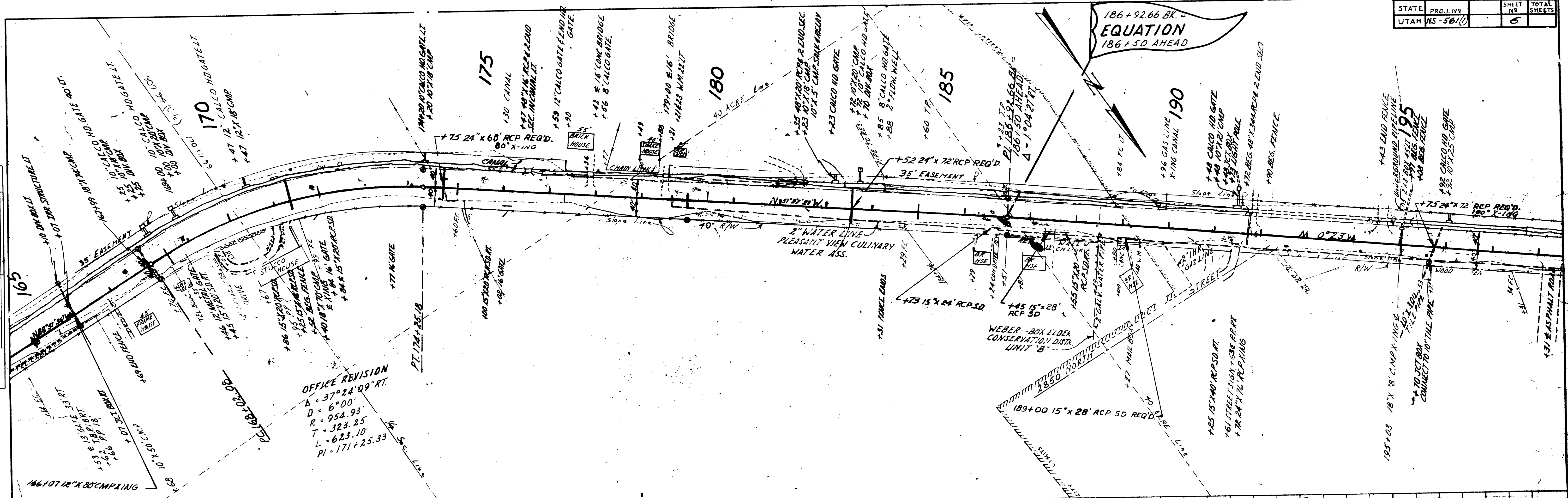
STA 144+85 R.R. 2' LEFT OF E

STA 141.18+78 - 3' R. 17' R.O.C.R.  
C.C. 148+22.12  
S. 24' 25' R.C. - 2' R. 16' R.O.C.R.

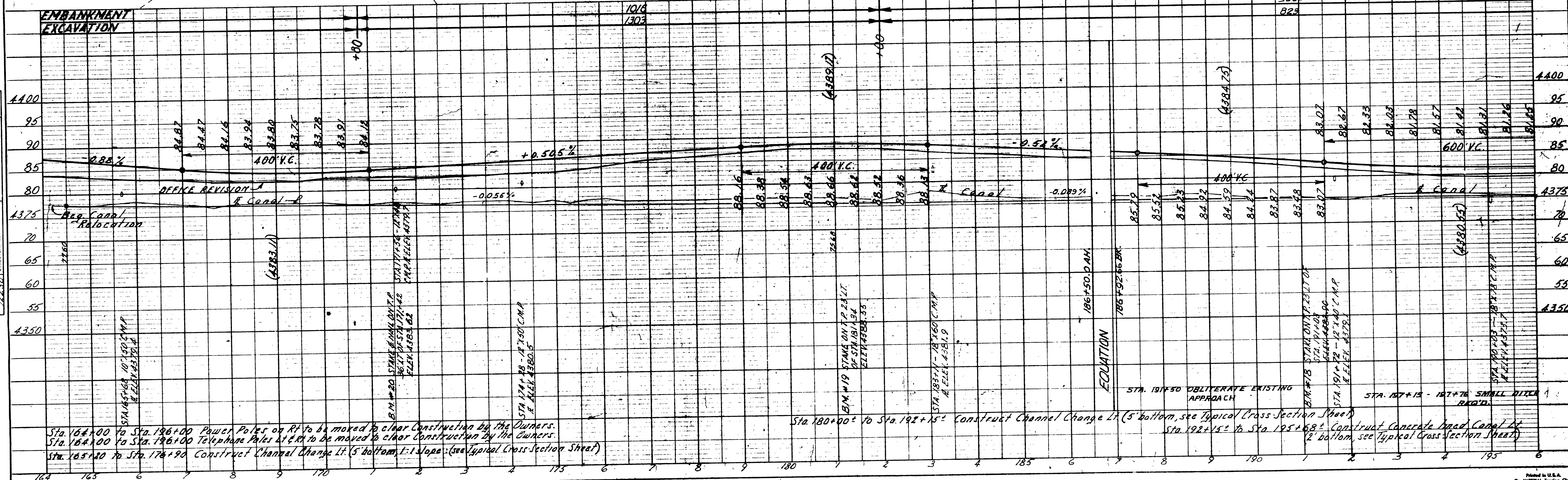
48° RADIUS REQ'D  
CURB N°1-E MODIFIED REQ'D

DATE: 12/22/00  
 BY: J. W. WILSON  
 CHECKED: J. W. WILSON  
 NO. 12230

DATE: 12/22/00  
 BY: J. W. WILSON  
 CHECKED: J. W. WILSON  
 NO. 12230



OFFICE REVISION  
 $\Delta = 37^\circ 24' 09''$  RT  
 $D = 6' 00''$   
 $R = 954.93'$   
 $T = 323.25'$   
 $L = 623.10'$   
 $PI = 171 + 25.33'$



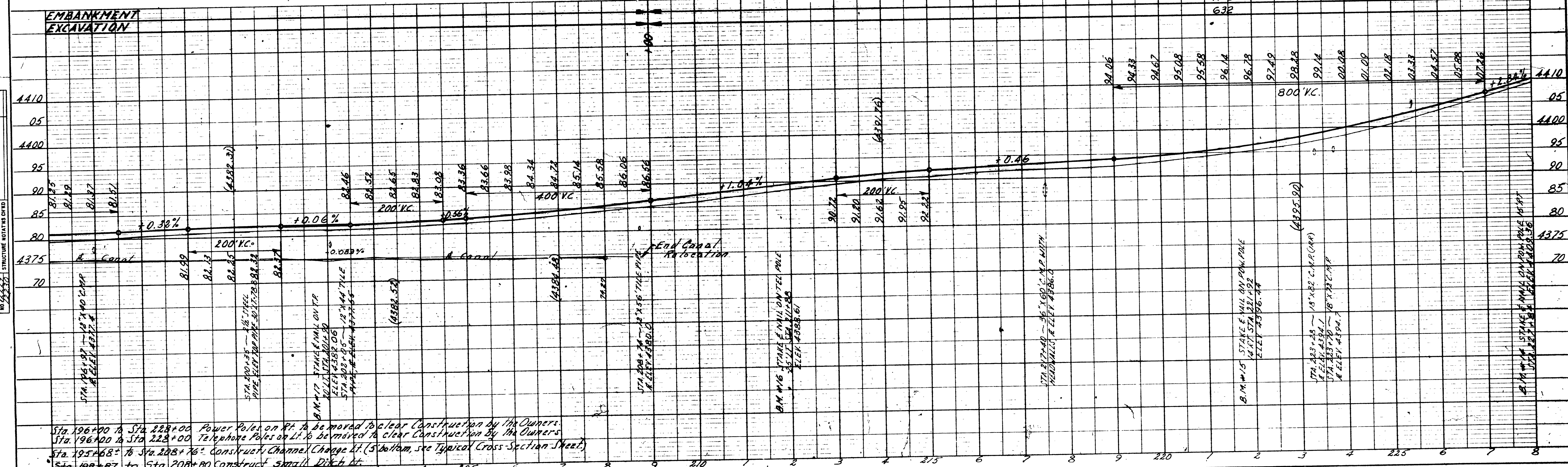
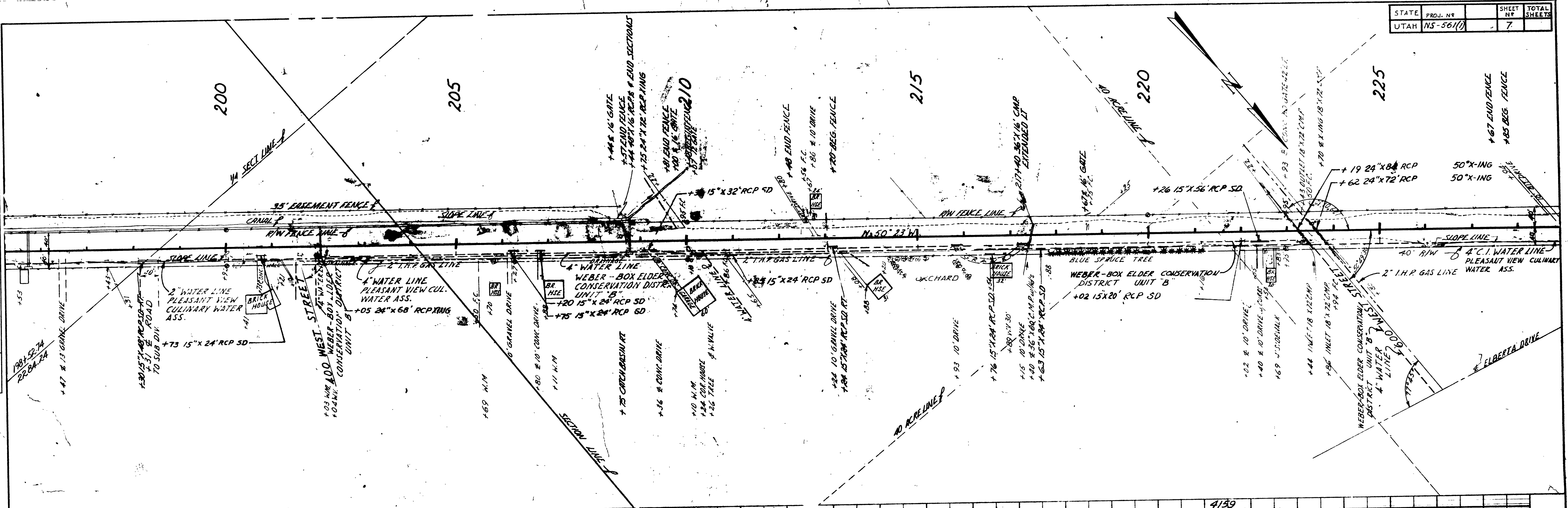
Sta. 164+00 to Sta. 196+00 Power Poles on Rt. to be moved to clear Construction by the Owners.  
 Sta. 164+00 to Sta. 196+00 Telephone Poles to be moved to clear Construction by the Owners.  
 Sta. 165+20 to Sta. 176+90 Construct Channel Change Lt. (5' bottom, 1:1 Slope) (see Typical Cross Section Sheet)  
 Sta. 180+00 to Sta. 192+15 Construct Channel Change Lt. (5' bottom, see Typical Cross Section Sheet)  
 Sta. 192+15 to Sta. 195+68 Construct Concrete-lined Canal Lt. (2' bottom, see Typical Cross Section Sheet)

STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
UTAH	NS-561(1)	7	

REV. 3/1963

DATE	BY	CHKD.
12/22/50	W.P. BARNETT	W.P. BARNETT
12/22/50	W.P. BARNETT	W.P. BARNETT
12/22/50	W.P. BARNETT	W.P. BARNETT
12/22/50	W.P. BARNETT	W.P. BARNETT
12/22/50	W.P. BARNETT	W.P. BARNETT

DATE	BY	CHKD.
12/22/50	W.P. BARNETT	W.P. BARNETT
12/22/50	W.P. BARNETT	W.P. BARNETT
12/22/50	W.P. BARNETT	W.P. BARNETT
12/22/50	W.P. BARNETT	W.P. BARNETT
12/22/50	W.P. BARNETT	W.P. BARNETT



Sta. 196+00 to Sta. 228+00 Power Poles on Rt. to be moved to clear Construction by the Owners  
 Sta. 196+00 to Sta. 228+00 Telephone Poles on Lt. to be moved to clear Construction by the Owners  
 Sta. 195+68 to Sta. 208+76 Construct Channel Change Lt. (5' bottom, see Typical Cross Section Sheet)  
 Sta. 198+67 to Sta. 208+80 Construct small Ditch Lt.

STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
UTAH	NS-56(1)	8	

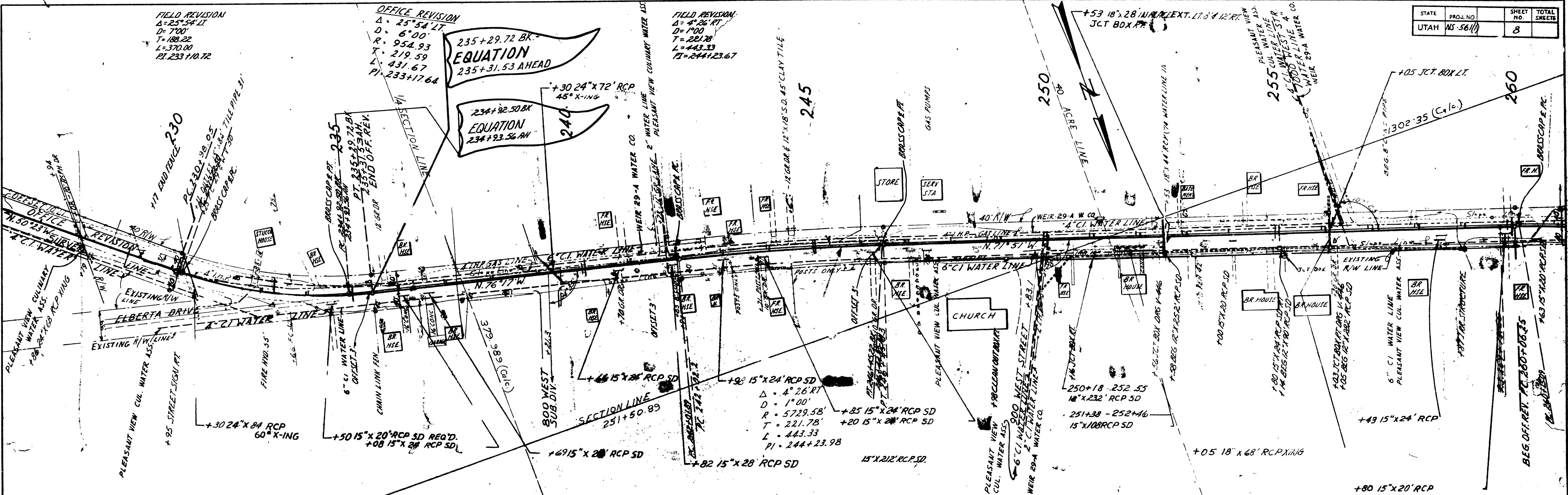
FIELD REVISION  
 $\Delta = 25^{\circ}54'11''$   
 $D = 7'00''$   
 $T = 188.22$   
 $L = 370.00$   
 $PI = 233+10.72$

OFFICE REVISION  
 $\Delta = 25^{\circ}54'11''$   
 $D = 6'00''$   
 $R = 954.93$   
 $T = 219.59$   
 $L = 431.67$   
 $PI = 233+17.64$

FIELD REVISION  
 $\Delta = 4^{\circ}26'17''$   
 $D = 1'00''$   
 $T = 221.78$   
 $L = 443.33$   
 $PI = 244+23.67$

**EQUATION**  
 $235+29.72$  BK.  
 $235+31.53$  AHEAD

**EQUATION**  
 $234+92.50$  BK.  
 $234+93.56$  AHEAD



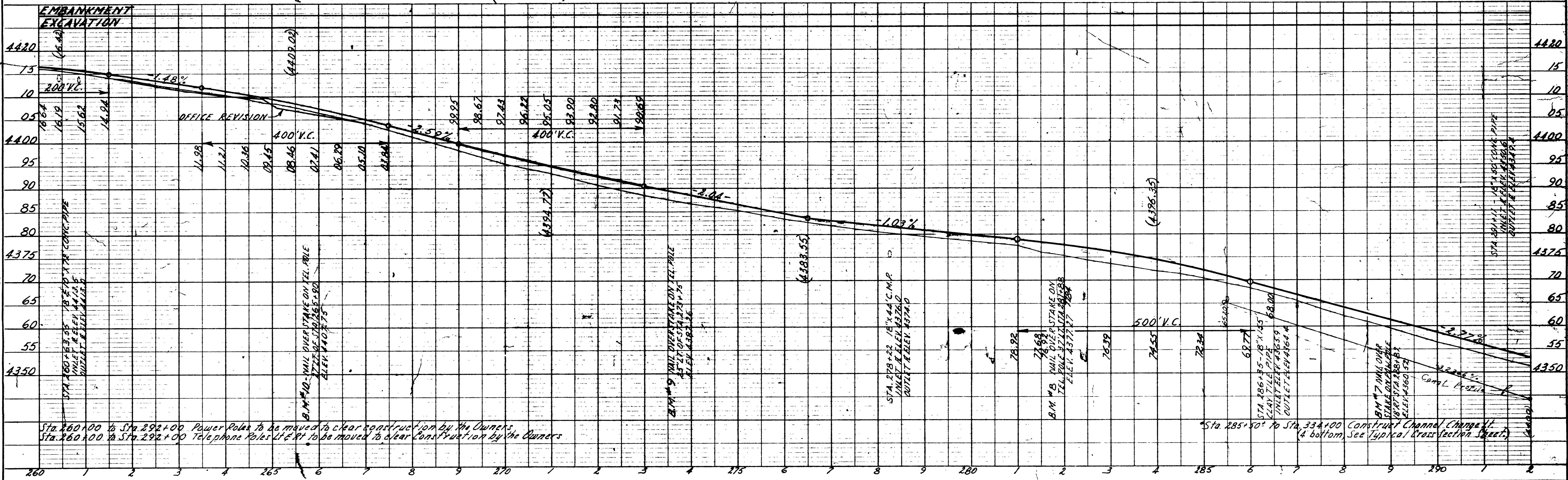
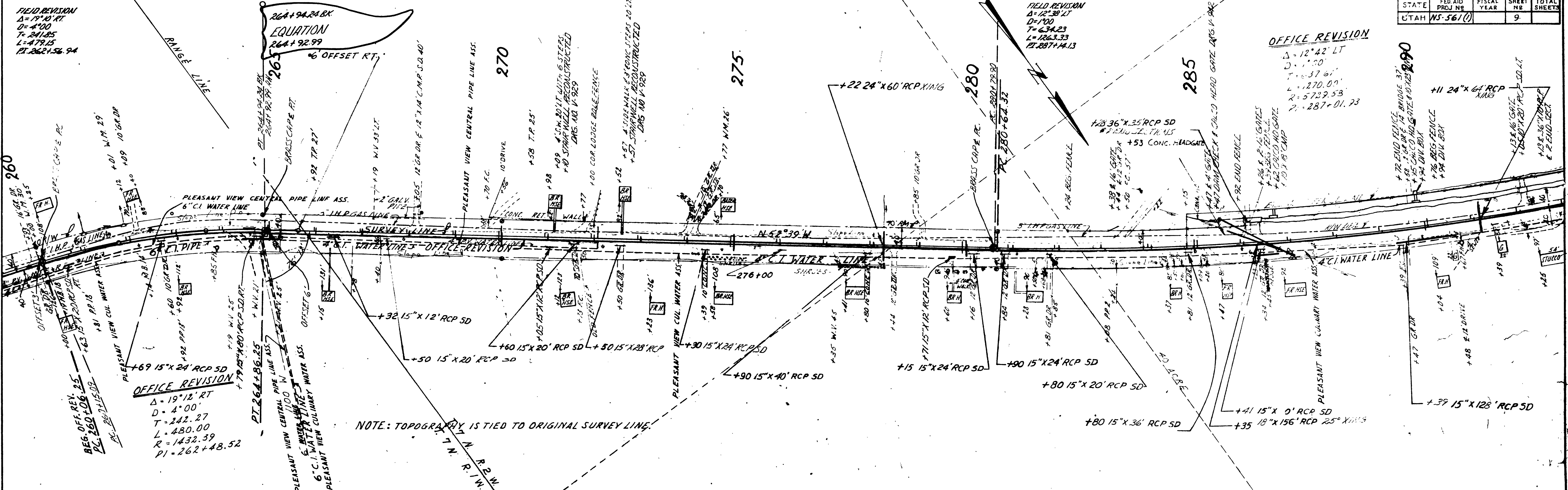
PLAN

DATE	BY	CHECKED
7/20/63	M. J. SHAW	M. J. SHAW
7/22/63	M. J. SHAW	M. J. SHAW
7/23/63	M. J. SHAW	M. J. SHAW

PROFILE

DATE	BY	CHECKED
7/20/63	M. J. SHAW	M. J. SHAW
7/22/63	M. J. SHAW	M. J. SHAW
7/23/63	M. J. SHAW	M. J. SHAW

STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
UTAH	NS-561(1)		9	

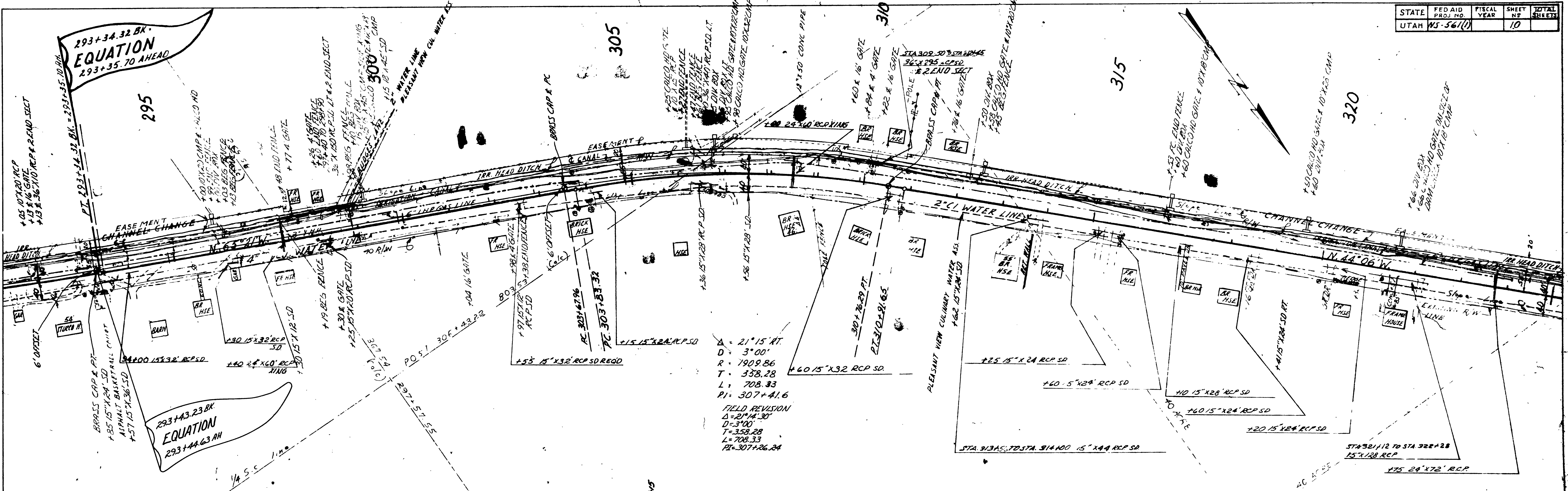


DATE	BY	REVISION
11/22/20	W.M. MARDEN	REVISED
11/22/20	W.M. MARDEN	REVISED
11/22/20	W.M. MARDEN	REVISED

DATE	BY	REVISION
11/22/20	W.M. MARDEN	REVISED
11/22/20	W.M. MARDEN	REVISED
11/22/20	W.M. MARDEN	REVISED

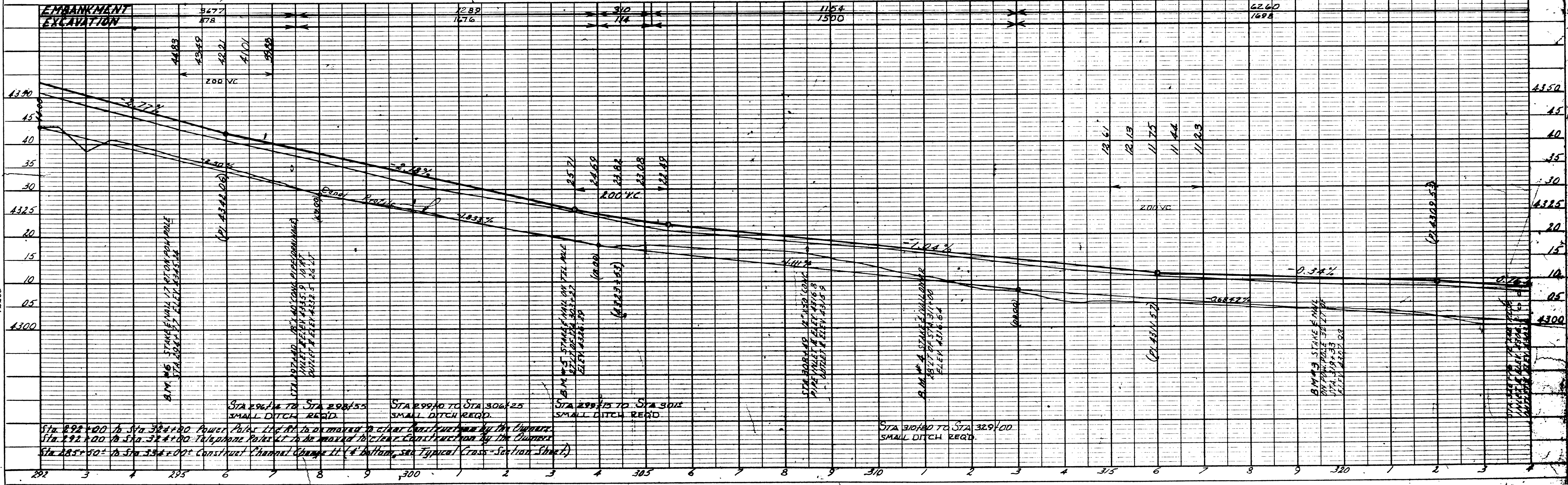


DATE: 11/15/63  
 BY: W.H. WATKINS  
 CHECKED: J.P. HARRIS  
 DATE: 11/15/63  
 PLAN: 11/15/63  
 NOTE BOOK: 11/15/63  
 NO. 11/15/63  
 STRUCTURE: 11/15/63



A = 21°15' RT  
 D = 3°00'  
 R = 7909.86  
 T = 338.28  
 L = 708.33  
 PI = 307+41.6  
 FIELD REVISION  
 Δ = 21°14'30"  
 D = 3°00'  
 T = 338.28  
 L = 708.33  
 PI = 307+26.24

DATE: 11/15/63  
 BY: W.H. WATKINS  
 CHECKED: J.P. HARRIS  
 DATE: 11/15/63  
 PROFILE: 11/15/63  
 NOTE BOOK: 11/15/63  
 NO. 11/15/63  
 STRUCTURE: 11/15/63



Sta 292+00 to Sta 324+00 Power Poles to be marked in clear cut sections by the Engineer.  
 Sta 292+00 to Sta 324+00 Telephone Poles to be marked in clear cut sections by the Engineer.  
 Sta 292+50 to Sta 324+00 Construct Channel Change at 4' bottom, see Typical Cross-Section Sheet.

STATE	FED AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
UTAH	NS-561(1)		11	

**PLAN**

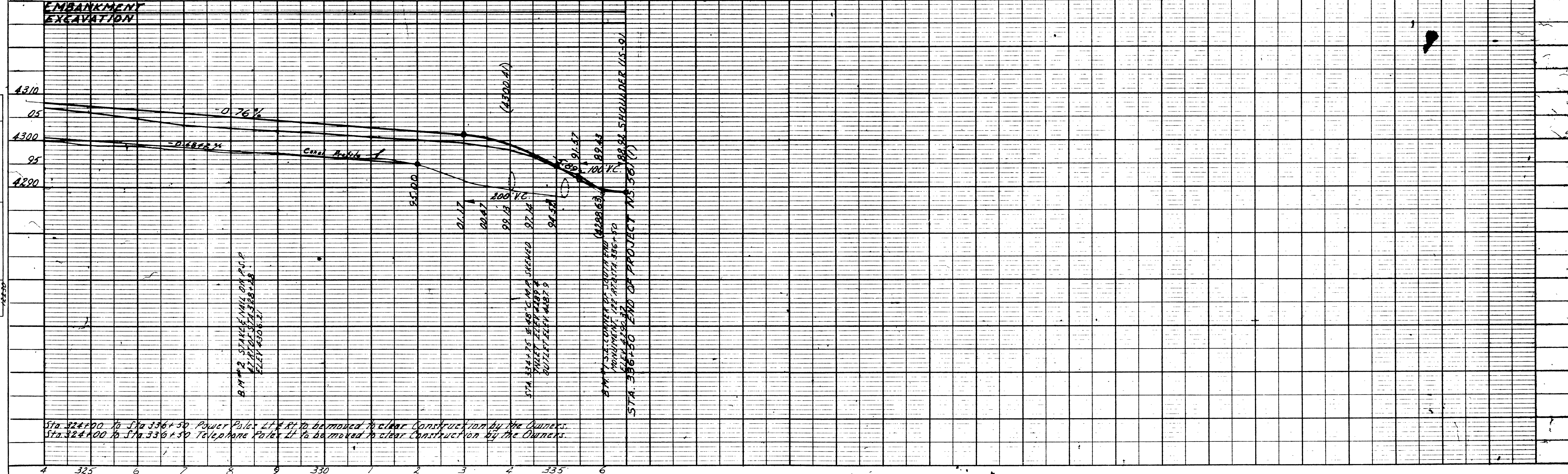
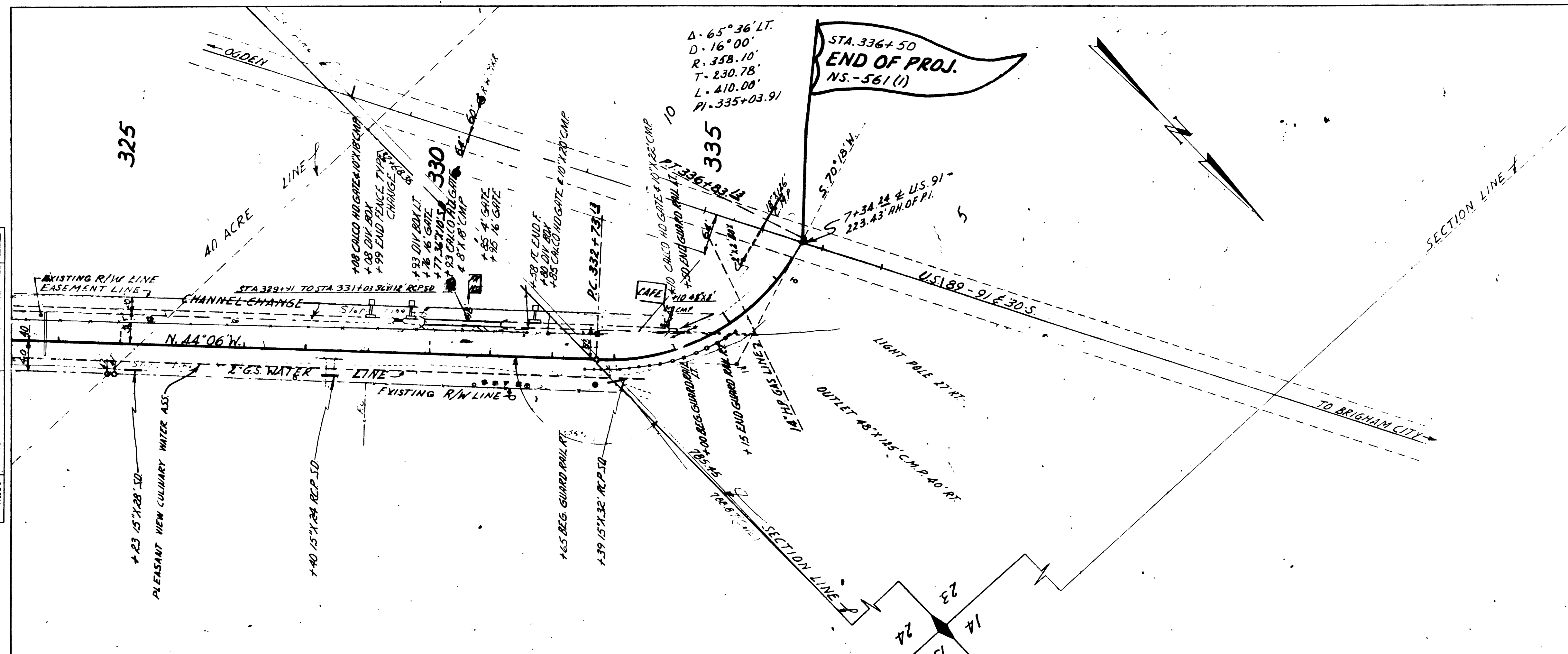
DATE	BY
7/20/00	M. J. MASSEY
7/20/00	M. J. MASSEY
7/20/00	M. J. MASSEY

DATE  
BY

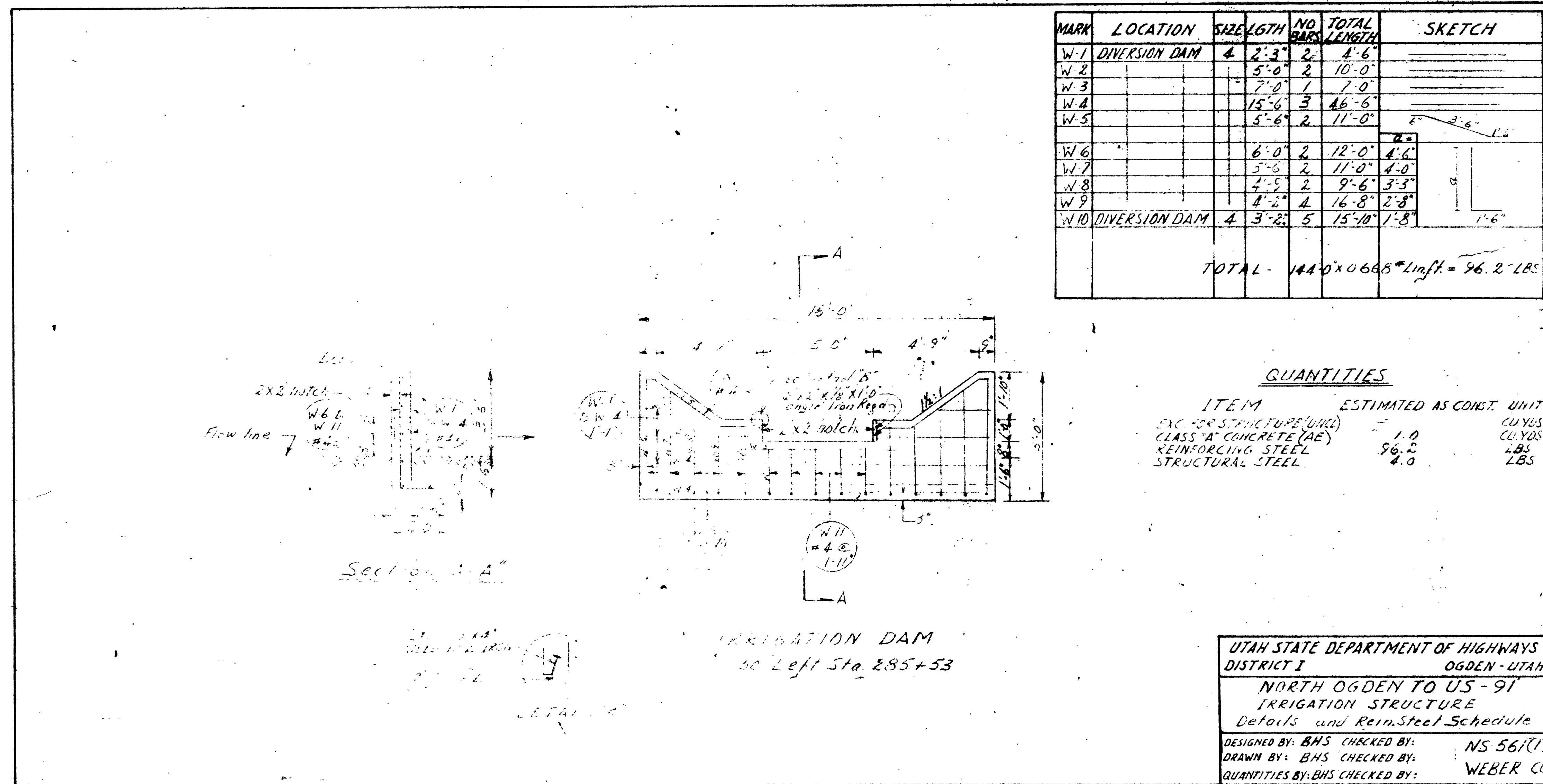
**PROFILE**

DATE	BY
7/20/00	M. J. MASSEY
7/20/00	M. J. MASSEY
7/20/00	M. J. MASSEY

DATE  
BY



Sta. 324+00 to Sta. 336+50 Power Pole Lt # 81 to be removed to clear construction by the Owners.  
Sta. 324+00 to Sta. 336+50 Telephone Pole Lt to be removed to clear construction by the Owners.



MARK	LOCATION	SIZE	LGTH	NO. BARS	TOTAL LENGTH	SKETCH
W-1	DIVERSION DAM	4	2'-3"	2	4'-6"	
W-2			5'-0"	2	10'-0"	
W-3			7'-0"	1	7'-0"	
W-4			15'-6"	3	46'-6"	
W-5			5'-6"	2	11'-0"	
W-6			6'-0"	2	12'-0"	
W-7			5'-6"	2	11'-0"	
W-8			4'-5"	2	9'-6"	
W-9			4'-2"	4	16'-8"	
W-10	DIVERSION DAM	4	3'-2"	5	15'-10"	
TOTAL -					144'-0" x 0.665 =	96.2 LBS

**QUANTITIES**

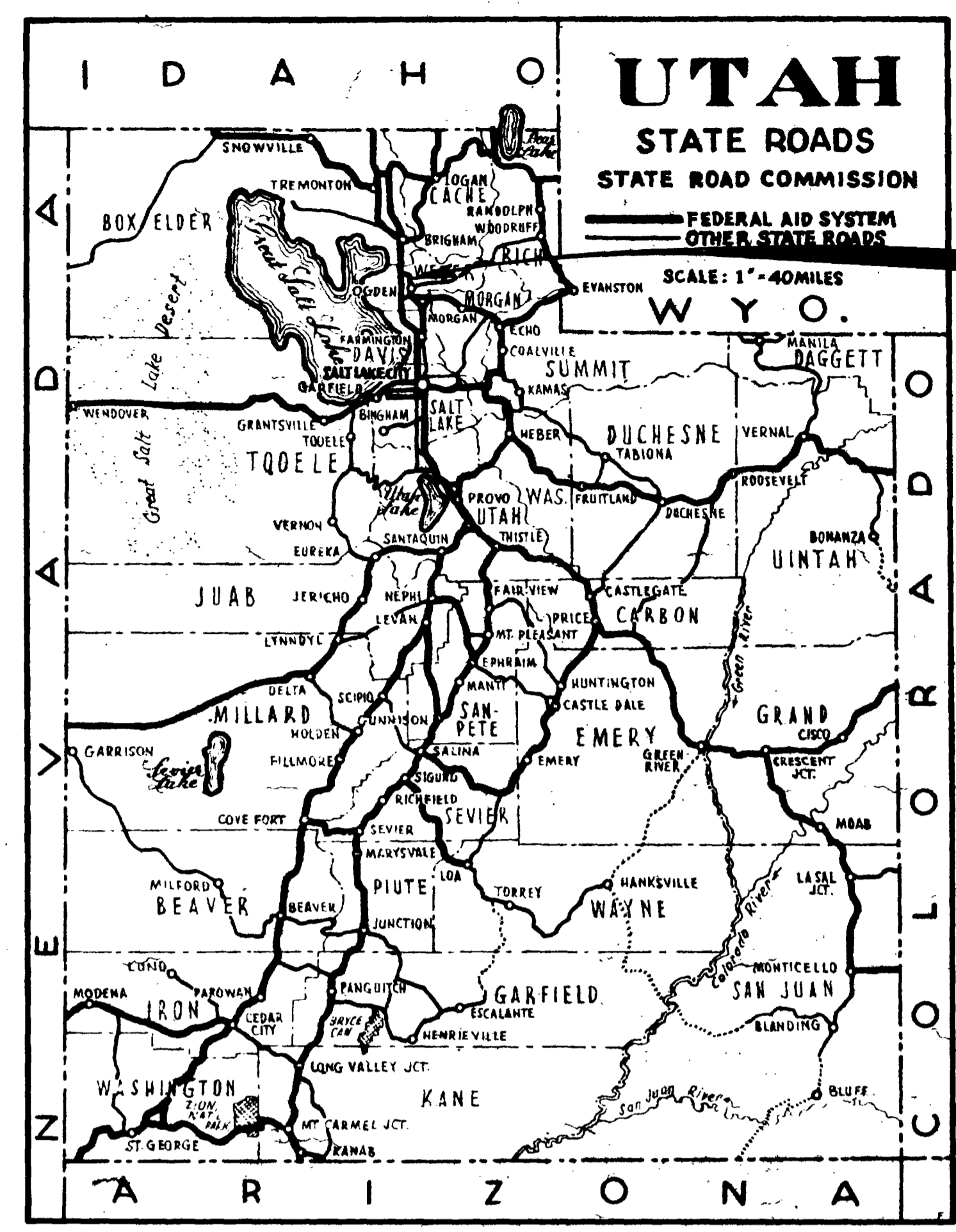
ITEM	ESTIMATED AS CONST.	UNIT
EXC. FOR STRUCTURE (UNCL)	1.0	CUYDS
CLASS 'A' CONCRETE (AE)	1.0	CUYDS
REINFORCING STEEL	96.2	LBS
STRUCTURAL STEEL	4.0	LBS

UTAH STATE DEPARTMENT OF HIGHWAYS  
 DISTRICT I OGDEN - UTAH  
 NORTH OGDEN TO US-91  
 IRRIGATION STRUCTURE  
 Details and Rein. Steel Schedule  
 DESIGNED BY: BHS CHECKED BY: NS 567(1)  
 DRAWN BY: BHS CHECKED BY: WEBER CO.  
 QUANTITIES BY: BHS CHECKED BY:  
 DRG. NO. V-242

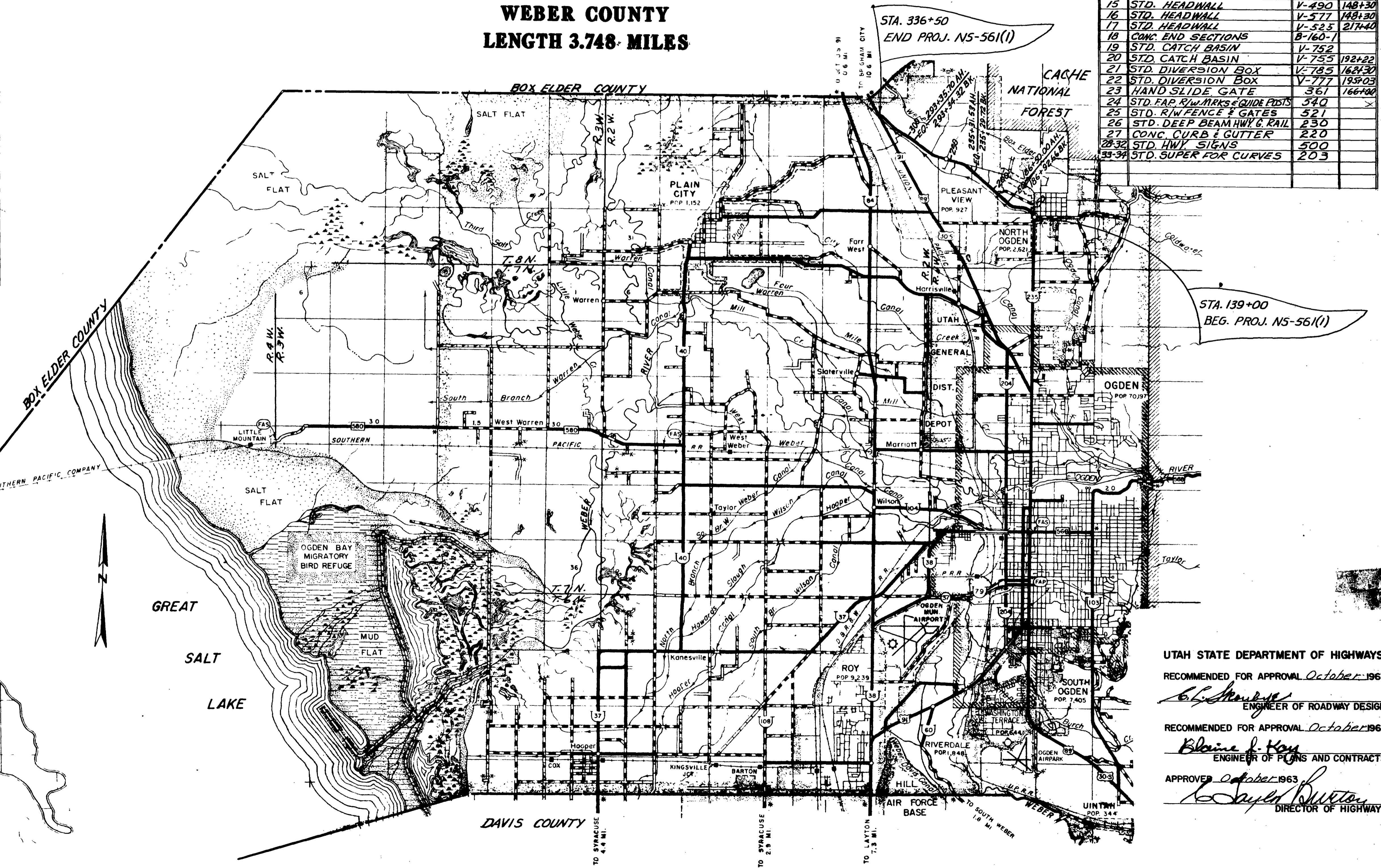
# STATE OF UTAH

## STATE ROAD COMMISSION

### PLANS OF PROPOSED STATE ROAD NS-561(1) NO. OGDEN TO U.S. 91 WEBER COUNTY LENGTH 3.748 MILES



SHEET NO.	DESCRIPTION	DRAWING NO.	STATION
1	TITLE SHEET		
2	TYPICAL SECTION		
2-A	MATERIAL SITE SHEET		
3-3A	SUMMARY SHEETS		
4-11	PLAN, PROFILE & CHANNELIZATION		
12	IRRIGATION STRUCTURES	V-893	148+30
13	IRRIGATION STRUCTURES	V-894	148+30
14	STD. 2X2 CONC. BASIN	V-446	
15	STD. HEADWALL	V-490	148+30
16	STD. HEADWALL	V-577	148+30
17	STD. HEADWALL	V-525	217+40
18	CONC. END SECTIONS	B-160-1	
19	STD. CATCH BASIN	V-752	
20	STD. CATCH BASIN	V-755	192+22
21	STD. DIVERSION BOX	V-785	162+30
22	STD. DIVERSION BOX	V-777	193+03
23	HAND SLIDE GATE	361	166+00
24	STD. FAP. R/W. MARKS & GUIDE POSTS	340	
25	STD. R/W FENCE & GATES	521	
26	STD. DEEP BEAM HWY & RAIL	230	
27	CONC. CURB & GUTTER	220	
28-32	STD. HWY SIGNS	500	
33-34	STD. SUPER FOR CURVES	203	

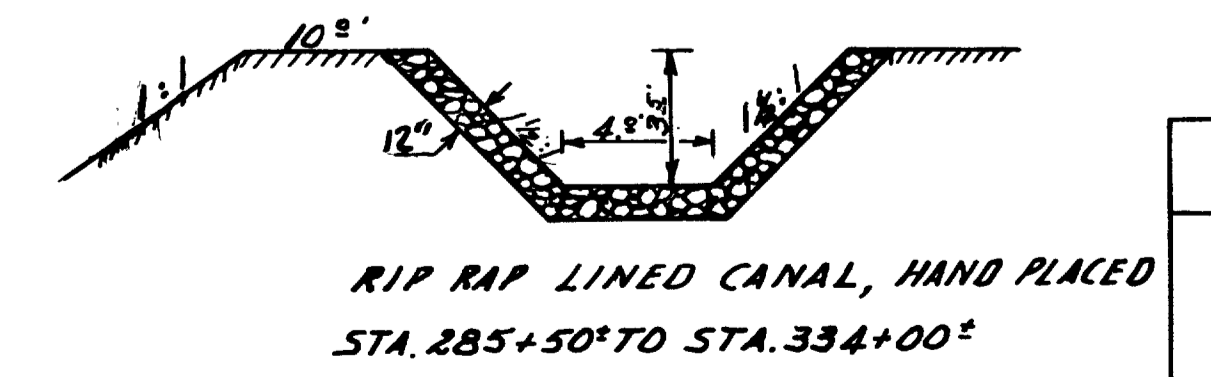
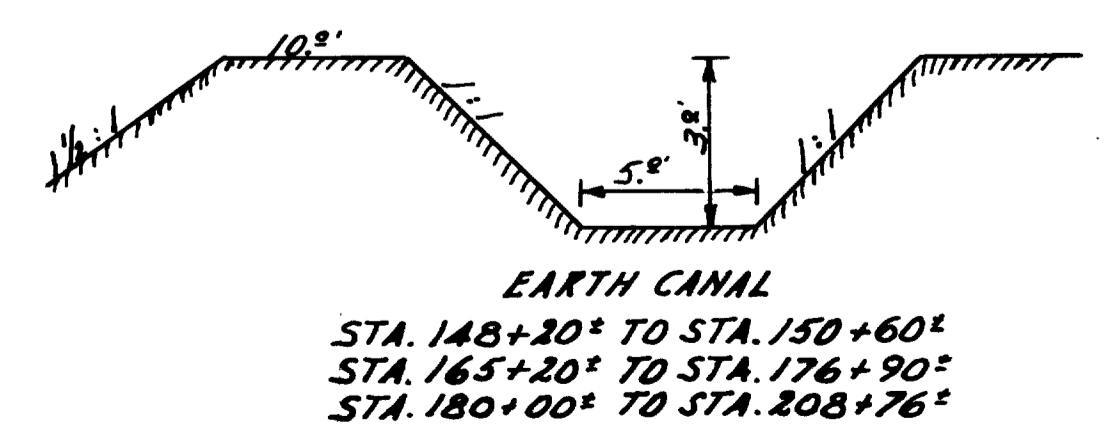
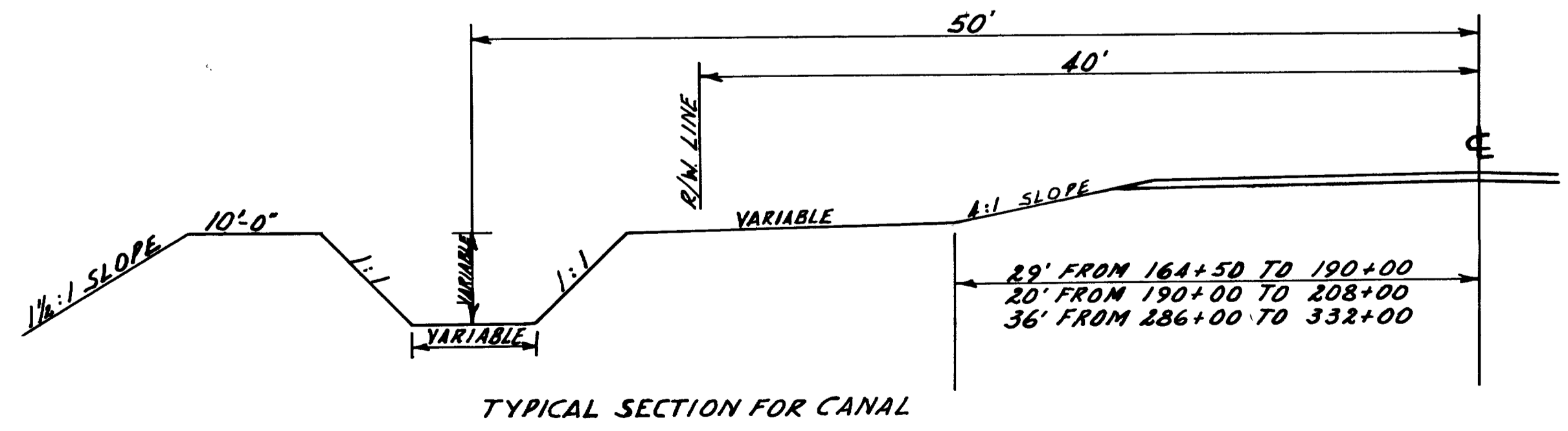
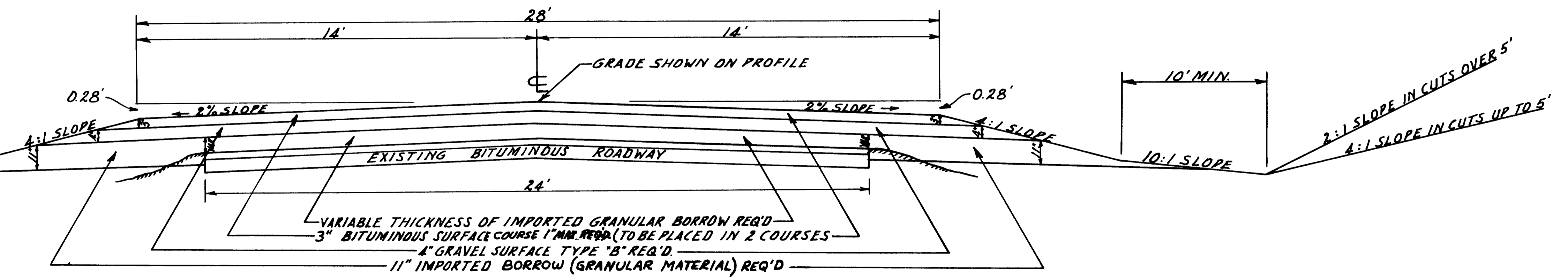
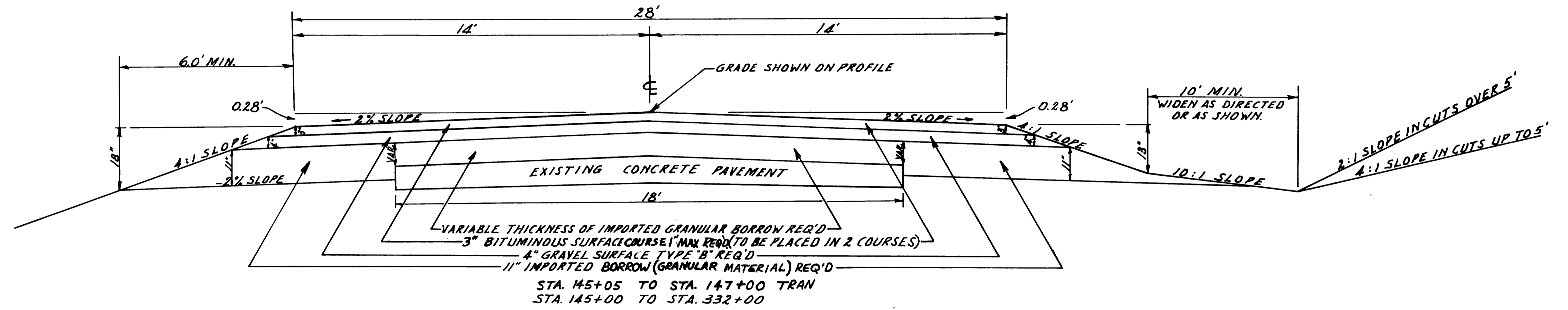
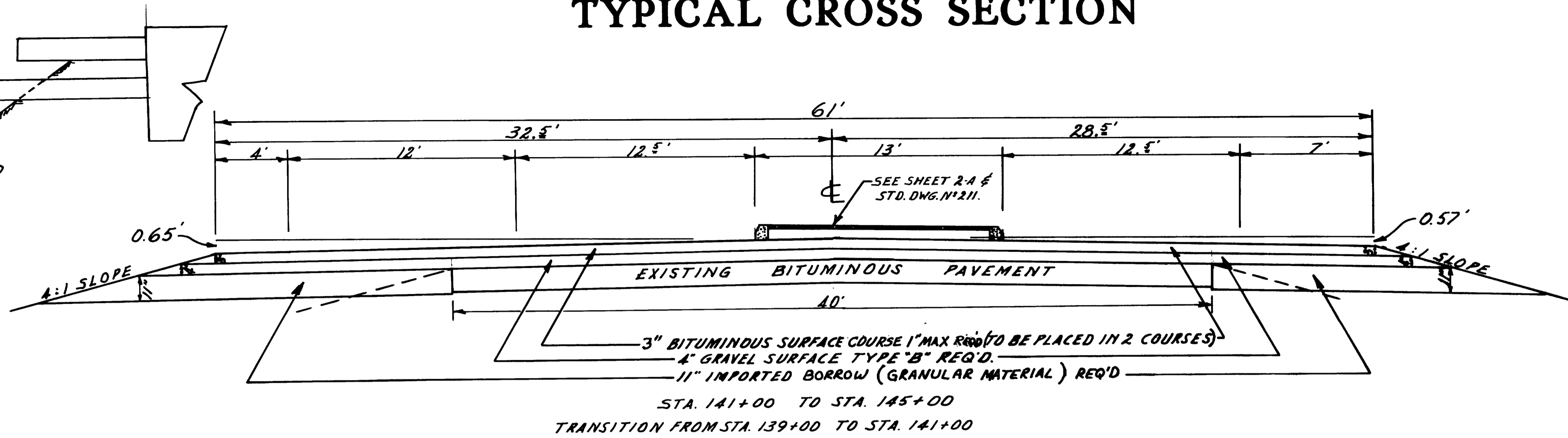
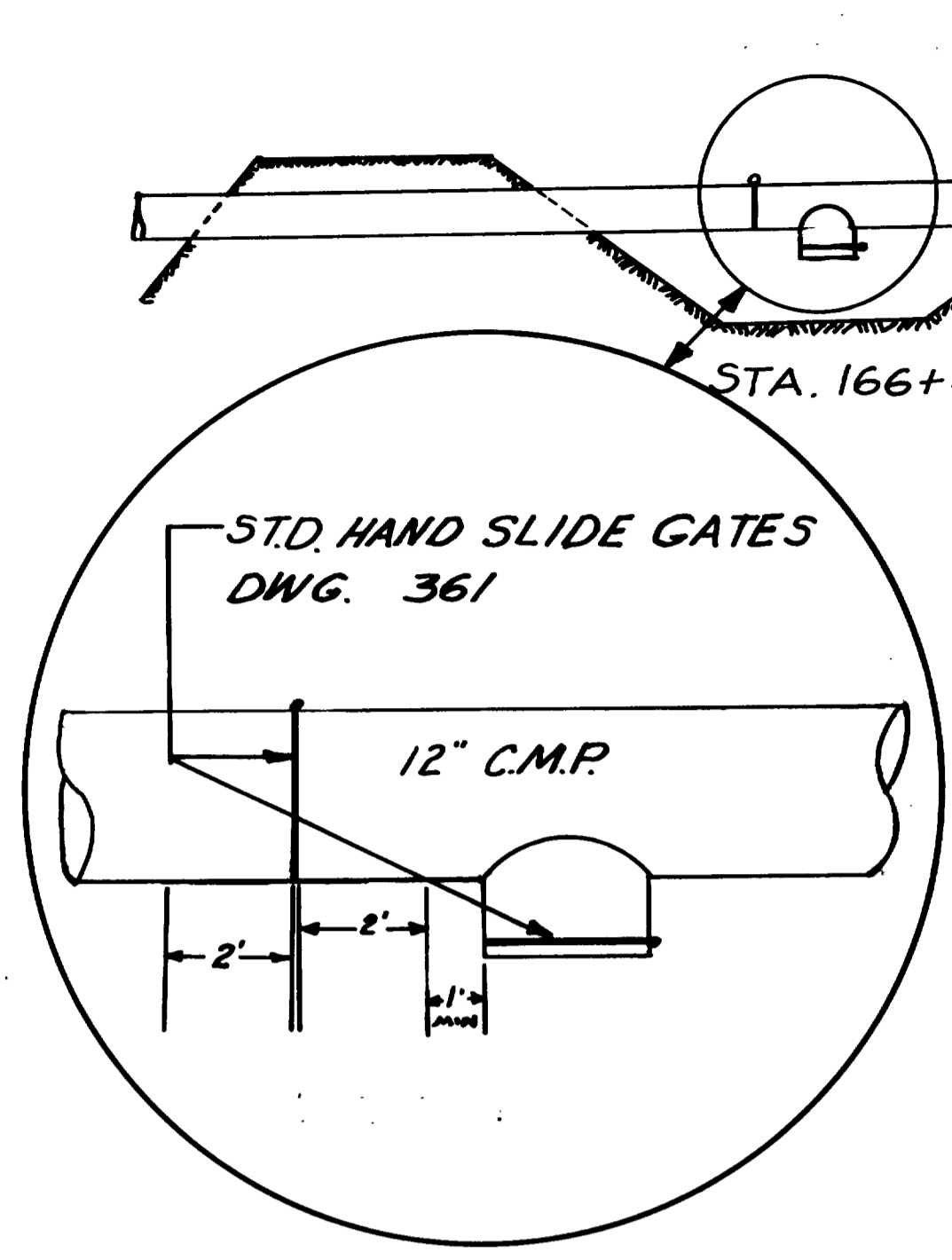


UTAH STATE DEPARTMENT OF HIGHWAYS  
 RECOMMENDED FOR APPROVAL *October 1963*  
*Blaine J. Kay*  
 ENGINEER OF ROADWAY DESIGN  
 RECOMMENDED FOR APPROVAL *October 1963*  
*Blaine J. Kay*  
 ENGINEER OF PLANS AND CONTRACTS  
 APPROVED *October 1963*  
*W. A. [Signature]*  
 DIRECTOR OF HIGHWAYS

# TYPICAL CROSS SECTION

STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
UTAH	NS-561(1)		2	

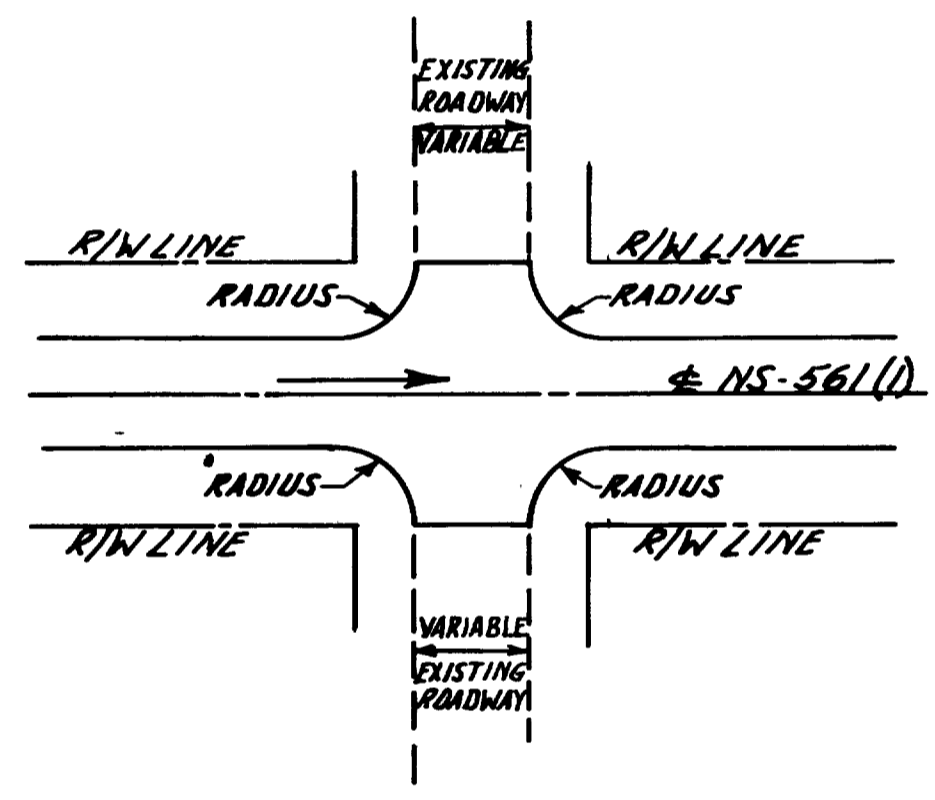
**BITUMINOUS MATERIAL**  
 TYPE 85-100 PENETRATION ASPHALT REQ'D IN MIX.  
 TYPE MC-70 OR MC-250 REQ'D FOR PRIME COAT  
 TYPE RC-70 OR RC-250 REQ'D FOR TACK COAT & BETWEEN COURSES OF PLANT MIX OR AS DIRECTED.  
 TYPE RC-800 OR RC-3000 FOR SEAL COAT



UTAH STATE ROAD COMMISSION  
 SALT LAKE CITY - UTAH  
 PLANT MIX BIT.  
 SURFACED ROADWAY

SUPERELEVATE CURVES IN ACCORDANCE WITH STD. DWG. NO. 202  
 DESIGN SPEED 40 M.P.H.

REVISIONS	DATE	BY



RECONSTRUCT EXISTING DRIVEWAYS AND STREET INTERSECTIONS TO FIT NEW GRADE, WITH 25' RADIUS MINIMUM ON STREET INTERSECTIONS AND 10' RADIUS ON DRIVEWAYS, OR AS DETERMINED BY THE ENGINEER.

NOTES

The information on these materials prospects shall in no way be construed so as to conflict with "Division I, Section 1-6.2 of Designated Local Materials Sources of the State of Utah Standard Specifications, 1960 Edition and Supplements."

LEGEND

Ground Water Table (G.W.T.) = ▽, ⊙ = Test Hole
Bottom of Test Hole = \* , ○ = Section No.
Section Line (S) =
1/4 Section Line =
1/16 Section Line =
Proposed Highway =
Prospect Boundary =
Property Boundary =

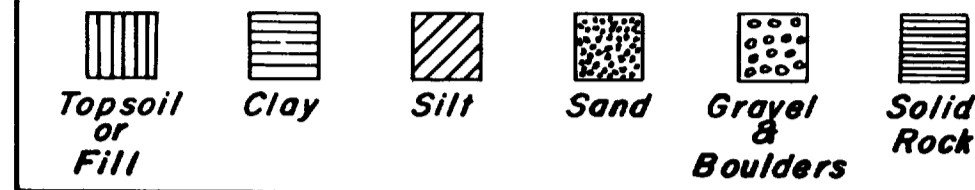
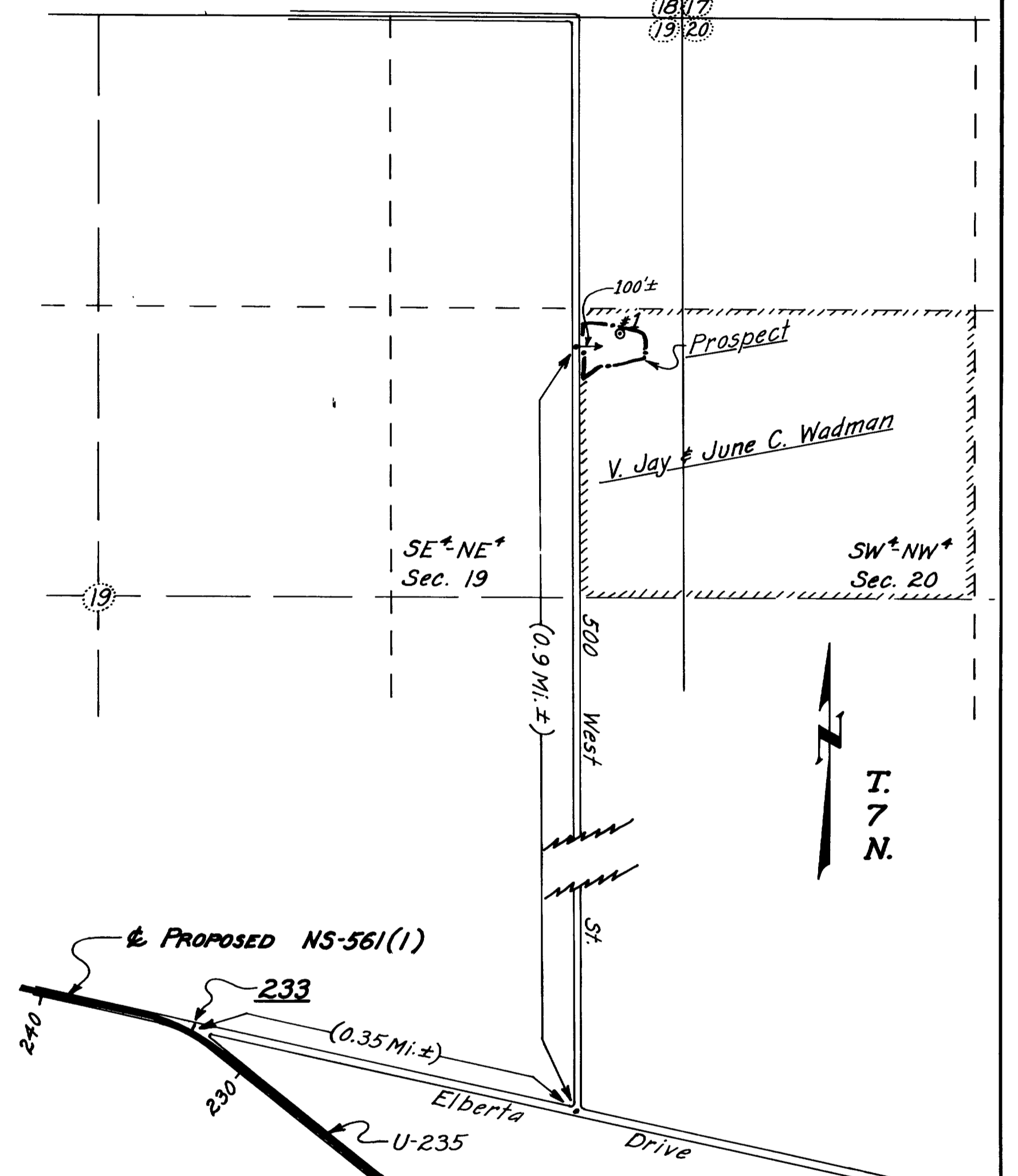
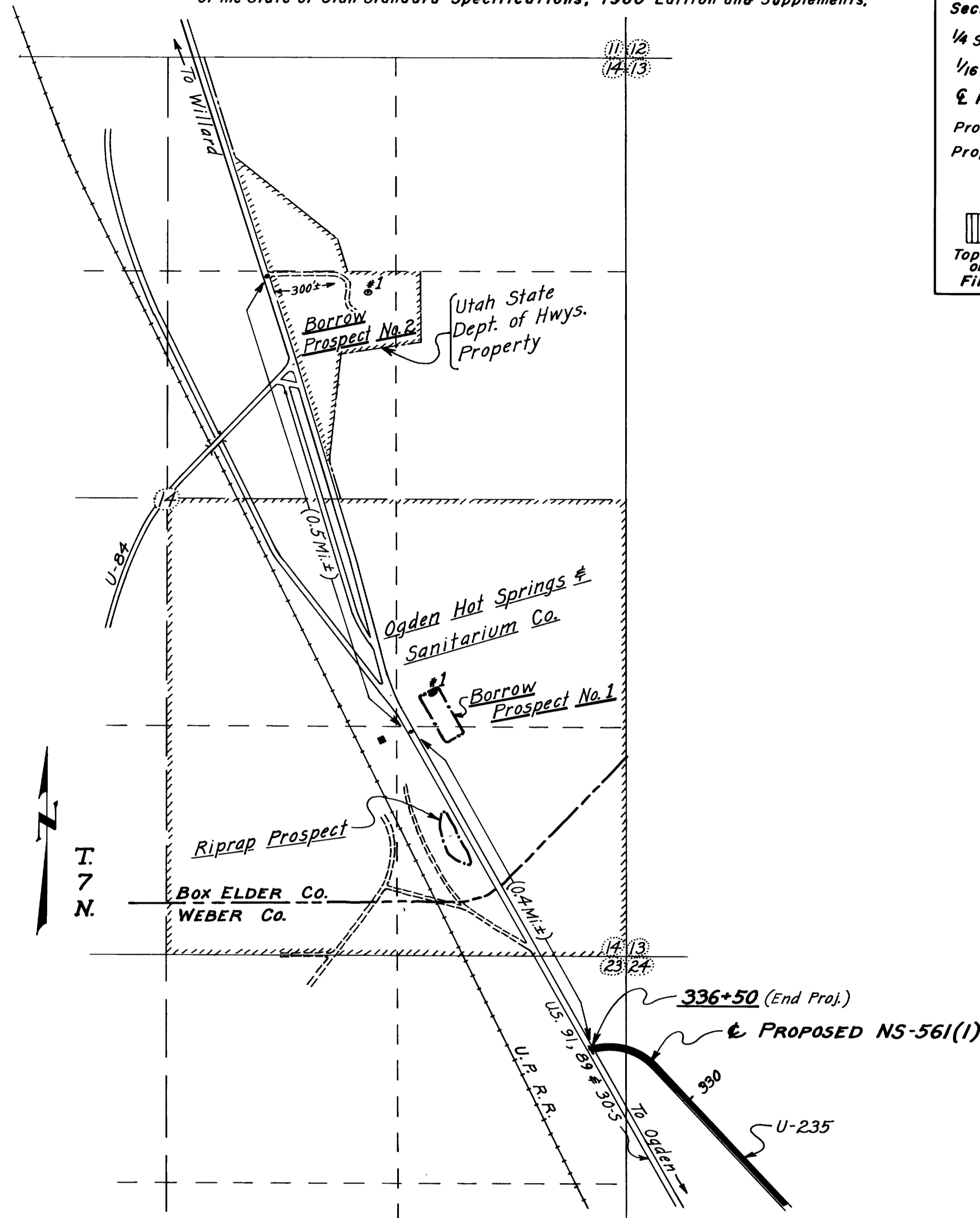


Table with project details: STATE UTAH, PROJECT NO. NS-561(1), FISCAL YEAR, SHEET NO. 2-A, TOTAL SHEETS. UTAH STATE DEPARTMENT of HIGHWAYS MATERIALS SECTION. PROJECT NO. NS-561(1), PROJECT NAME SR-235, NORTH OGDEN TO U.S.-91. COUNTY WEBER 29-235-2. DATE: JULY 1963. DRAWN BY: J. L. DODD. DATA BY: AUTH: 8107. FIELD BOOK: SHEET NO. 1 OF 1.

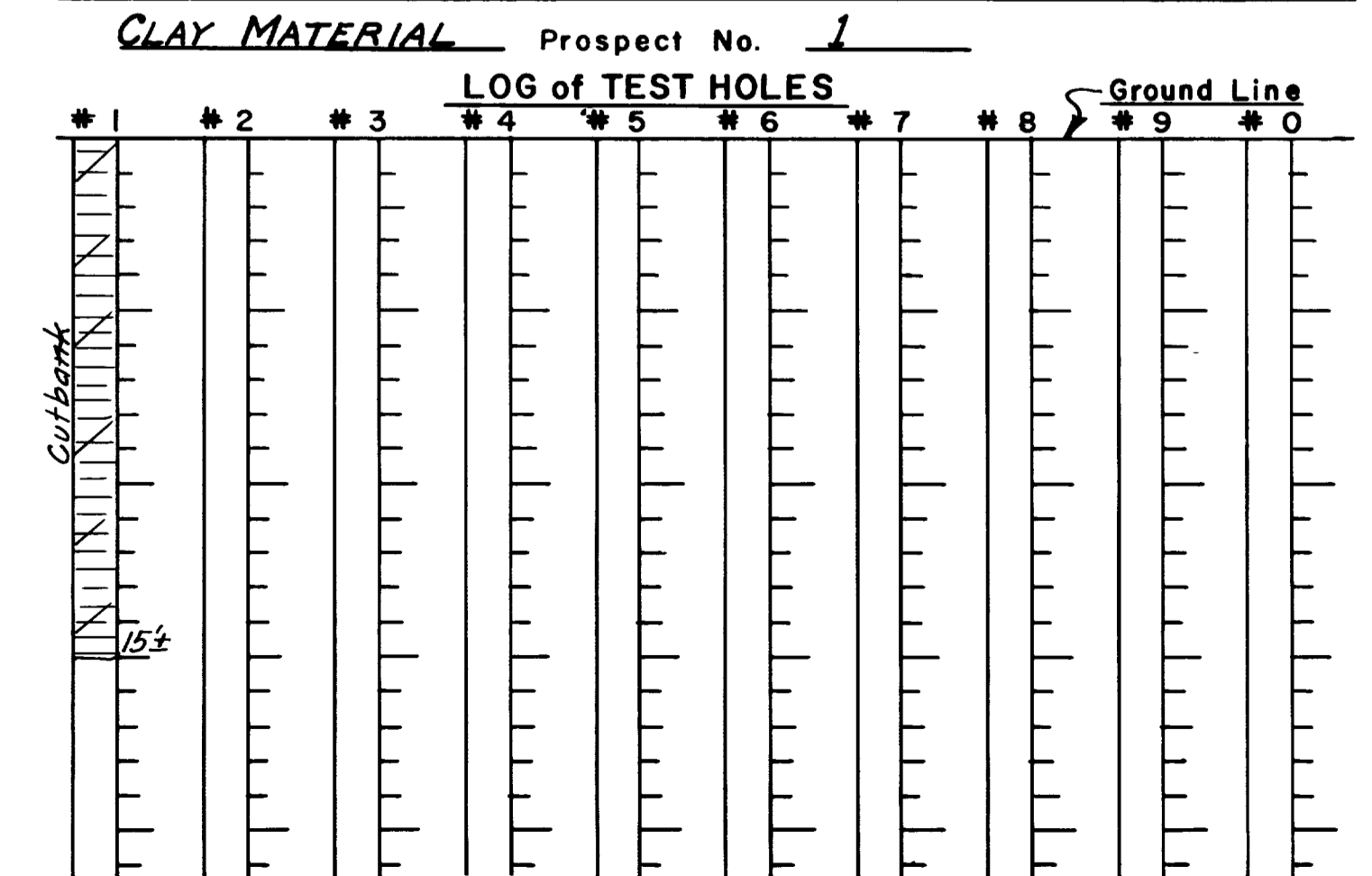
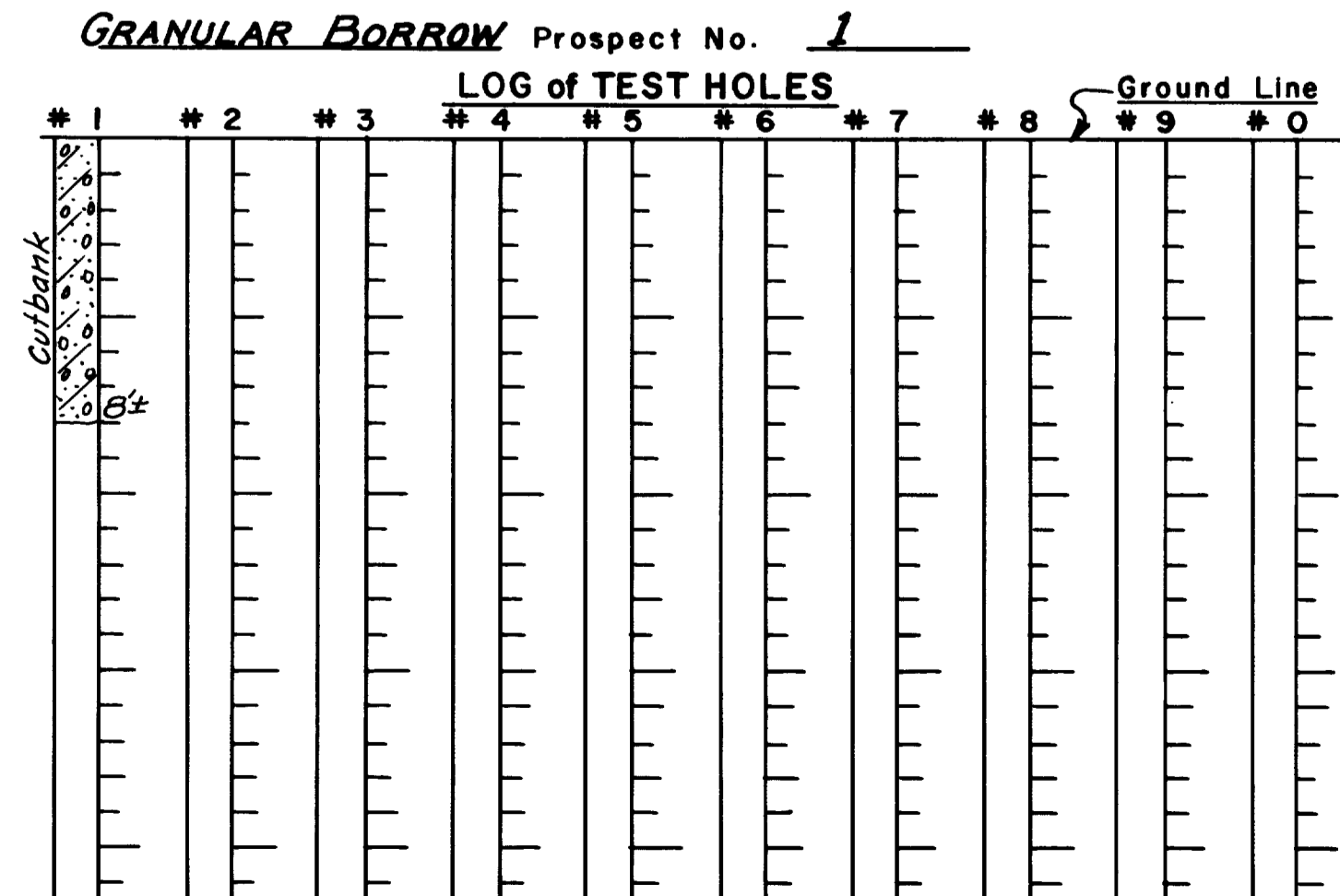
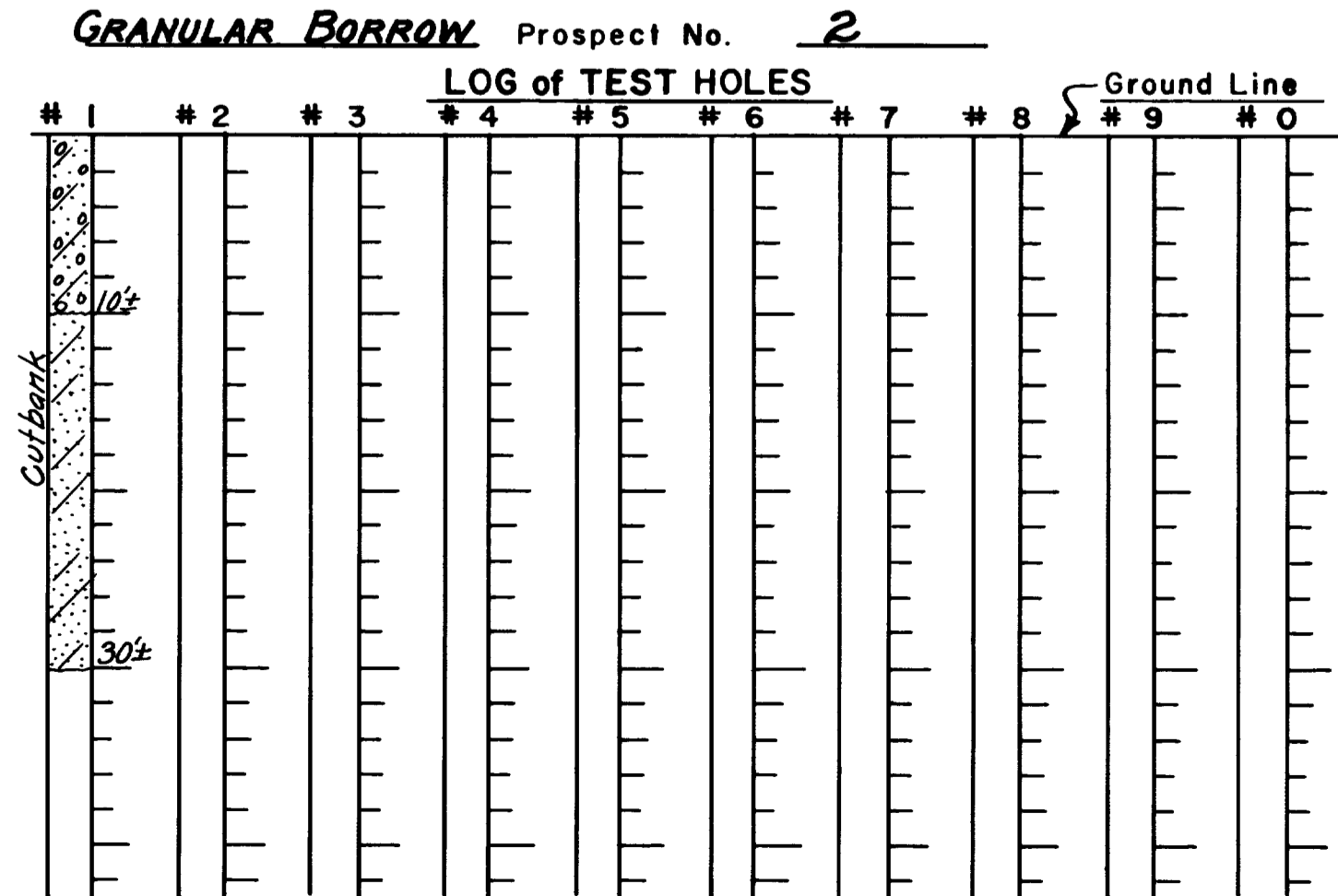
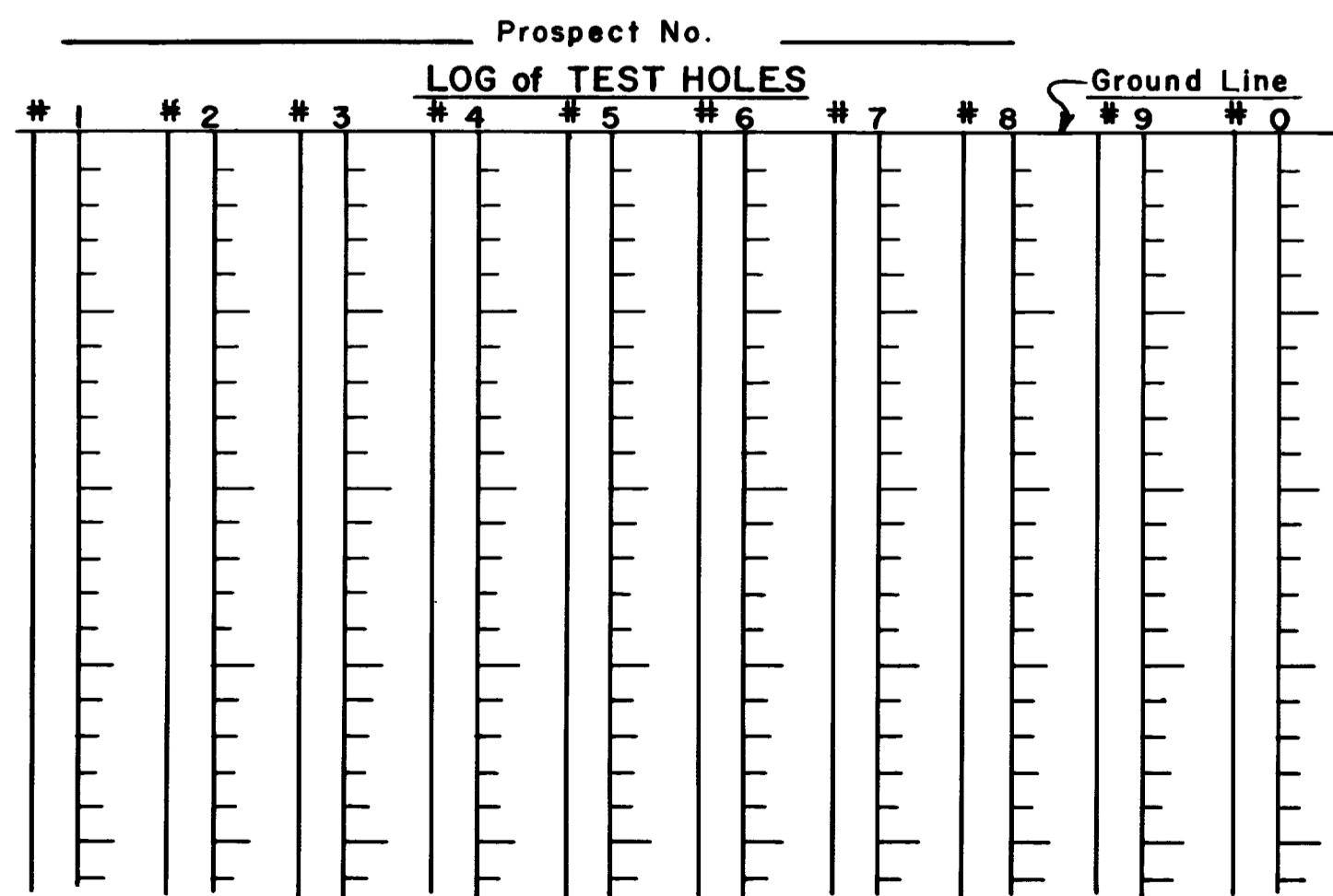


B. & M. Scale: 1" = Contour Interval =

R-2-W. S.L. B. & M. Scale: 1" = 500' Contour Interval =

B. & M. Scale: 1" = Contour Interval =

R-1-W. S.L. B. & M. Scale: 1" = 500' Contour Interval =



SUMMARY SHEET

LIST OF STRUCTURES

Main table with columns: STATION, IN PLACE, RCP, CMP PERF, CMP, CONC. END SECTION, GRADE, CLASS, STR. EXC., MECH. TAMP, CLASS, REINF. STEEL, STR. STEEL, LINE NO., DWG. NO., REMARKS.

Table with columns: STATION, STATION, DEEP BEAM HIGHWAY GUARD RAIL TYPE "A", GUIDE POSTS, DWG. NO. 230, DWG. NO. 540.

Table with columns: NAME, UNIT, QUANTITY, SUMMARY OF ITEMS. Lists various construction materials and equipment.

NOTE: QUANTITIES SHOWN ON THESE PLANS ARE APPROXIMATE







# SUMMARY SHEET

STATE	PROJ NO	FISCAL YEAR	SHEET NO	TOTAL SHEETS
UTAH	NS-5614		3-C	

REV. 10-18-63

## EARTHWORK QUANTITIES

## GRAVEL SURFACING

STATION TO STATION	EMBANKMENT	EXCAVATION	IMPORTED GRAVEL BORROW	SMALL DITCH EMBANKMENT	SMALL DITCH EXCAVATION	OVERHAUL	
						CLASS "A"	CLASS "B"
	CU. YD.	CU. YD.	CU. YD.	CU. YD.	CU. YD.	STA. YD.	YD. MI.
144+50 - 146+18	243	317					
146+18 - 149+70	1,129	77	1398	58	39	13,980	5069
149+70 - 152+00	337	430		19	6		
152+00 - 175+80	9,055	417	11,373	2,168	565	113,730	37,904
175+80 - 182+00	1,016	1,303		269	382		
182+00 - 209+00	9,385	823	11,378	3,901	3,214	113,780	30,953
209+00 - 234+00	4,159	632	4,751			47,510	10,663
234+00 - 237+30	397	264	281			2,810	550
237+30 - 242+50	577	747					
242+50 - 248+10	883	836	312			3,120	558
248+10 - 248+50	84	50	52				346
248+50 - 251+00	303	393					
251+00 - 253+40	303	292	113				164
253+40 - 256+00	282	360					
256+00 - 262+50	630	814					
262+50 - 264+80	264	459					
264+80 - 265+20	50	102					
265+20 - 272+80	1,058	507	877			8,770	1,156
272+80 - 273+60	381	44	450				833
273+60 - 283+60	1,344	1,744					
283+60 - 286+50	434	1,023		163	69		
286+50 - 297+50	3,677	878	3,903	2,799	741	39,030	3,475
297+50 - 304+00	1,289	1,676		2,073	326		
304+00 - 305+15	310	114	303	371	23	3,030	197
305+15 - 312+00	1,154	1,500		1,598	357		
312+00 - 333+60	6,260	1,698	6,452	6,577	614	64,520	1,982
333+60 - 336+00	201	249					
<b>TOTAL</b>	<b>43,205</b>	<b>17,749</b>	<b>41,643</b>	<b>19,996</b>	<b>6,336</b>	<b>411,623</b>	<b>92,413</b>
USE		25,000	45,000	21,000		450,000	120,000

STATION TO STATION	LENGTH	AVE WIDTH	DEPTH	COVER MAT. TYPE "A" (20 LBS/SQ.YD.)	SURF GRAVEL TYPE "B" (140 LBS/CU.FT.)	GRAVEL BASE COURSE (140 LBS/CU.FT.)	FOR QUANTITIES - SEE X-SECT.	
							TONS	TONS
139+00 - 141+00	200	53.833	2		126			
141+00 - 145+05	405	64.333	4		608			
145+05 - 147+00	195	49.833	2		113			
145+05 - 336+50	19,185	31.333	4		14,025			
DRIVEWAYS & INTERSECTIONS					4,660			
139+00 - 141+00	200	50.5			11			
141+00 - 145+05	405	61.0			27			
145+05 - 147+00	195	46.5			10			
145+05 - 336+50	19,185	28.0			597			
<b>TOTAL</b>					<b>645</b>	<b>19,332</b>		
USE					750	22,000		

DESCRIPTION	UNIT	QUANTITY
FURNISHING CONSTRUCTION SIGNS	LUMP	•
REMOVAL OF TREES	EACH	260
FLAGGING	MH.HRS.	600
PILOT CAR OPERATION	HRS	16
FURNISHING WATER EQUIPMENT	LUMP	•
GRANULAR BACKFILL	TON	250
MOVING MAILBOXES	EACH	105
MOVING STREET SIGNS	EACH	10
RECONSTRUCTING CLEANOUT, MANHOLES, M.D.N. BOXES, WATER METERS & VALVES ETC.	EACH	35
OBLITERATION OF OLD ROAD	MILE	0.2

STATION	139+00	BEGIN PROJECT	
EQUATION	186+92.66 BK.	186+50.00	AH.
	235+29.72 BK.	235+31.53	AH.
	293+34.32 BK.	293+35.70	AH.
			BK. AH.
			BK. AH.

STATION	336+50
PROJECT LENGTH	19,789.47 FT. 3.748 MILES
MINUS BRIDGES LENGTH	--- FT.
ROADWAY LENGTH	19,789.47 FT. 3.748 MILES

BRIDGES OVER 20' SPAN

STATION

STATION

STATION

TOTAL BRIDGES LENGTH FT. MILES

## BITUMINOUS QUANTITIES

BITUMINOUS MATERIAL TYPE MC-70 OR MC-250 (0.3 GAL./SQ. YD.) (249 GAL./TON)	200 X 52.5 X 0.3 / 2241 = 1.4 TONS 405 X 63.0 X 0.3 / 2241 = 3.4 TONS 195 X 48.5 X 0.3 / 2241 = 1.3 TONS 19,185 X 30.0 X 0.3 / 2241 = 77.0 TONS TOTAL = 83.1 TONS	USE 90 TONS
BITUMINOUS MATERIAL TYPE RC-70 OR RC-250 (0.1 GAL./SQ. YD.) (249 GAL./TON)	200 X 51.5 X 0.1 / 2241 = 0.5 TONS 405 X 62.0 X 0.1 / 2241 = 1.1 TONS 195 X 47.5 X 0.1 / 2241 = 0.4 TONS 19,185 X 29.0 X 0.1 / 2241 = 24.8 TONS TOTAL = 26.8 TONS	USE 30 TONS
BITUMINOUS MATERIAL TYPE 85-100 PEN. 5% OF BIT. SURFACE	0.05 X 11,612 = 581 TONS	USE 610 TONS
BITUMINOUS SURFACE COURSE 1" MAX. 148 LBS./FT. <sup>3</sup> 2000	200 X 51.5 X 0.25 X 0.074 = 191 TONS 405 X 62.0 X 0.25 X 0.074 = 465 TONS 195 X 47.5 X 0.25 X 0.074 = 171 TONS 19,185 X 29.0 X 0.25 X 0.074 = 10,293 TONS PAVED INTERSECTIONS & DRIVEWAYS = 492 TONS TOTAL = 11,612 TONS	USE 12,300 TONS
BITUMINOUS MATERIAL TYPE RC-800 OR RC-3000 (0.2 GAL./SQ. YD.) (245 GAL./TON)	200 X 50.5 X 0.2 / 2205 = 0.9 TONS 405 X 61.0 X 0.2 / 2205 = 2.2 TONS 195 X 46.5 X 0.2 / 2205 = 0.8 TONS 19,185 X 28.0 X 0.2 / 2205 = 48.7 TONS TOTAL = 52.6 TONS	USE 58 TONS
BITUMINOUS ADDITIVE (COMMERCIAL GRADE) 1% OF RC-800	0.01 X 52.6 X 245 = 129 GALS.	USE 140 GALS
HYDRATED LIME 1% OF ROAD MIX	0.01 X 11612 = 116.12 TONS	USE 125 TONS

REMOVAL OF EXISTING CONCRETE PAVEMENT				
STATION TO STATION	LENGTH FT.	WIDTH FT.	SQ. YD.	
158+50 - 162+00	350	7.5	291	
168+00 - 171+50	350	6.0	233	
241+83 - 250+52			4	
264+00 - 268+00	400	3.0	134	
280+50 - 282+00	150	4.0	67	
282+00 - 284+50	250	8.0	222	
284+00 - 286+50	150	4.0	67	
VARIOUS PIPE XINGS	560	4.0	250	
<b>TOTAL</b>			<b>1273</b>	
USE			1300	

RIGHT OF WAY MARKERS		
STATION	NO.	SIDE
145+05	1	RT.
148+77.17	2	BOTH
153+11.25	2	BOTH
159+78.56	2	BOTH
164+31.07	2	BOTH
168+02.08	2	BOTH
174+25.18	2	BOTH
186+50	2	BOTH
190+00	2	BOTH
200+00	2	BOTH
210+00	2	BOTH
220+00	2	BOTH
230+98.05	2	BOTH
235+89.78	2	BOTH
242+02.20	2	BOTH
246+45.53	2	BOTH
255+00	2	BOTH
260+06.25	2	BOTH
264+86.25	2	BOTH
270+00	2	BOTH
280+64.32	2	BOTH
287+00	2	BOTH
293+35.20	2	BOTH
303+83.32	2	BOTH
310+91.65	2	BOTH
320+00	2	BOTH
330+00	2	BOTH
332+73.13	2	BOTH
335+	1	LT.
<b>TOTAL</b>	<b>56</b>	
USE	60	

WATERING & ROLLING	
WATERING (25 GAL./CU. YD.)	58,769 + 10,547 = 1,732 M. GAL. + 100% FOR DUST 40
USE	3,500 M-GALS.
TAMPING ROLLER (125 CU. YDS./HR.)	58,769/125 = 470 HRS FOR CANAL EMB. 22,000/125 = 175 HRS 645 HRS
USE	750 HOURS
ROLLING FOR SURFACING (2500 SQ. YD./HR.)	PNEUMATIC-TIRED OR POWER ROLLER 200 X 53.833 = 0.5 HRS 22,500 405 X 64.333 = 1.2 HRS 22,500 195 X 49.833 = 0.4 HRS 22,500 19,185 X 31.333 = 26.7 HRS 22,500 TOTAL = 28.8 HRS.
USE	35 HOURS

\* 475 HRS TAMPING ROLLER & 275 HRS VIBRATORY ROLLER

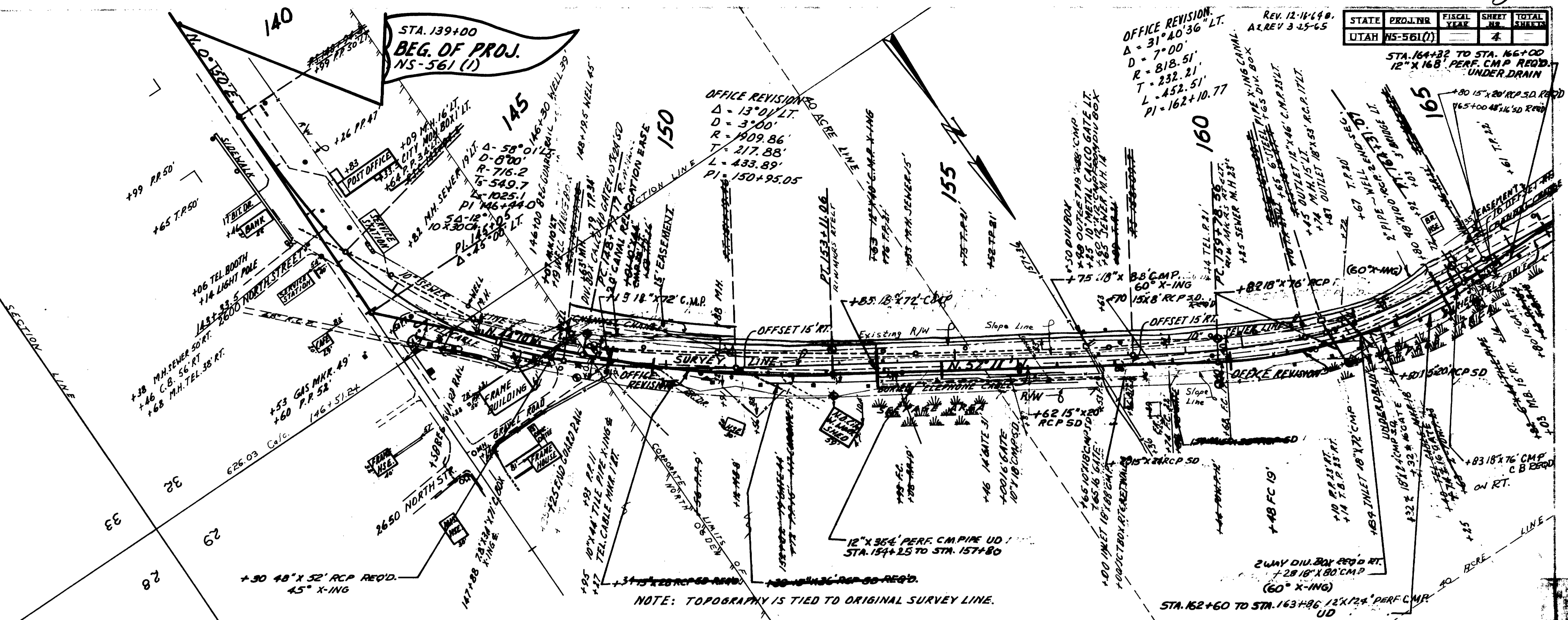
NOTE  
QUANTITIES SHOWN ON THESE PLANS ARE APPROXIMATE.

STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
UTAH	NS-561(1)		4	

OFFICE REVISION  
 $\Delta = 31^{\circ}40'36''$  LT.  
 $D = 7^{\circ}00'$   
 $R = 818.51'$   
 $T = 232.21'$   
 $L = 452.51'$   
 $PI = 162+10.77$

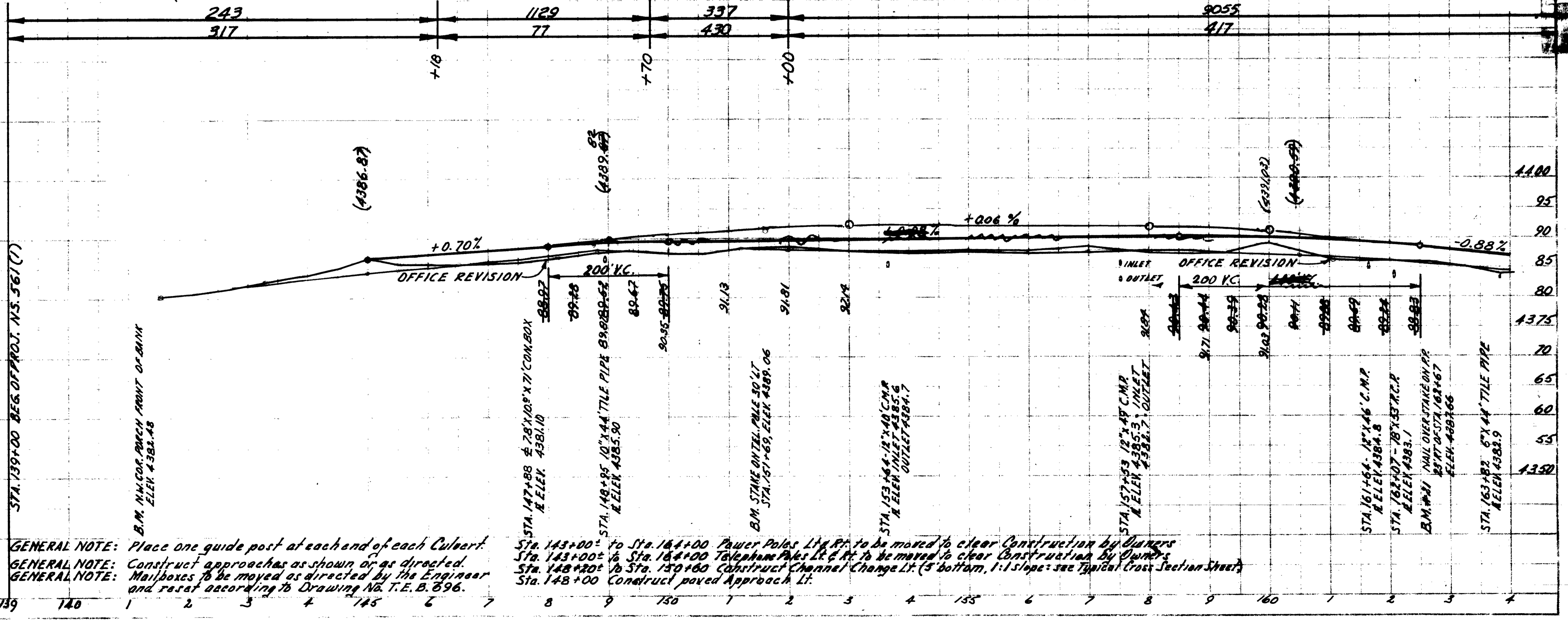
REV. 12-14-48  
 A, REV. 3-25-65

STA. 164+32 TO STA. 166+00  
 12" X 16" PERF. CMP REOD.  
 UNDER DRAIN



NOTE: TOPOGRAPHY IS TIED TO ORIGINAL SURVEY LINE.

**EMBANKMENT  
EXCAVATION**



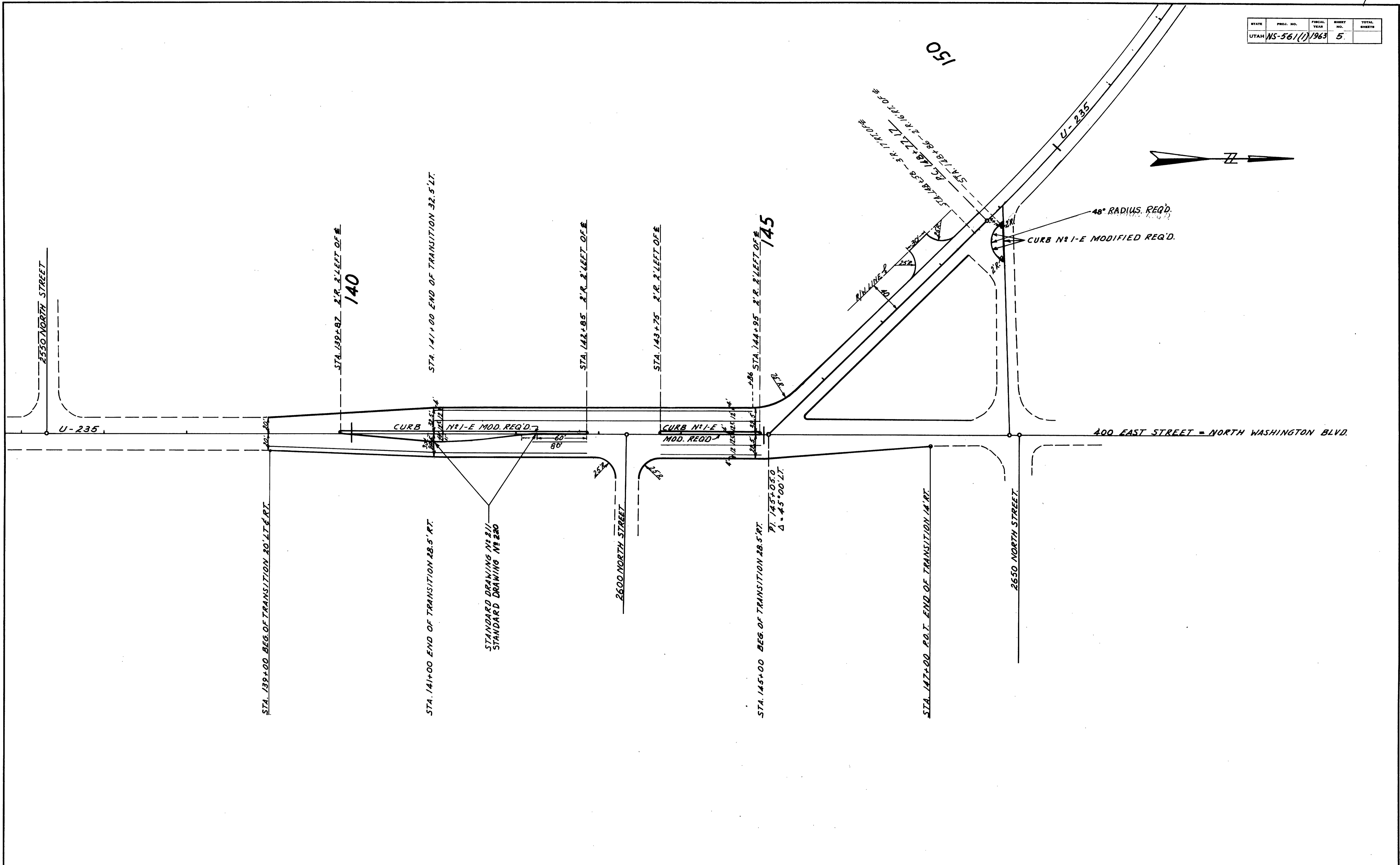
GENERAL NOTE: Place one guide post at each end of each Culvert.  
 GENERAL NOTE: Construct approaches as shown or as directed.  
 GENERAL NOTE: Mailboxes to be moved as directed by the Engineer and reset according to Drawing No. T.E.B. 896.  
 Sta. 143+00 to Sta. 164+00 Power Poles Ltr. R/L to be moved to clear Construction by Owners  
 Sta. 143+00 to Sta. 164+00 Telephone Poles Ltr. R/L to be moved to clear Construction by Owners  
 Sta. 148+00 to Sta. 150+60 Construct Channel Change Ltr. (5' bottom, 1:1 slope: see Typical Cross Section Sheet)  
 Sta. 148+00 Construct paved Approach Ltr.

DATE: 11/11/48  
 DRAWN BY: [Signature]  
 CHECKED BY: [Signature]  
 PROJECT: [Signature]

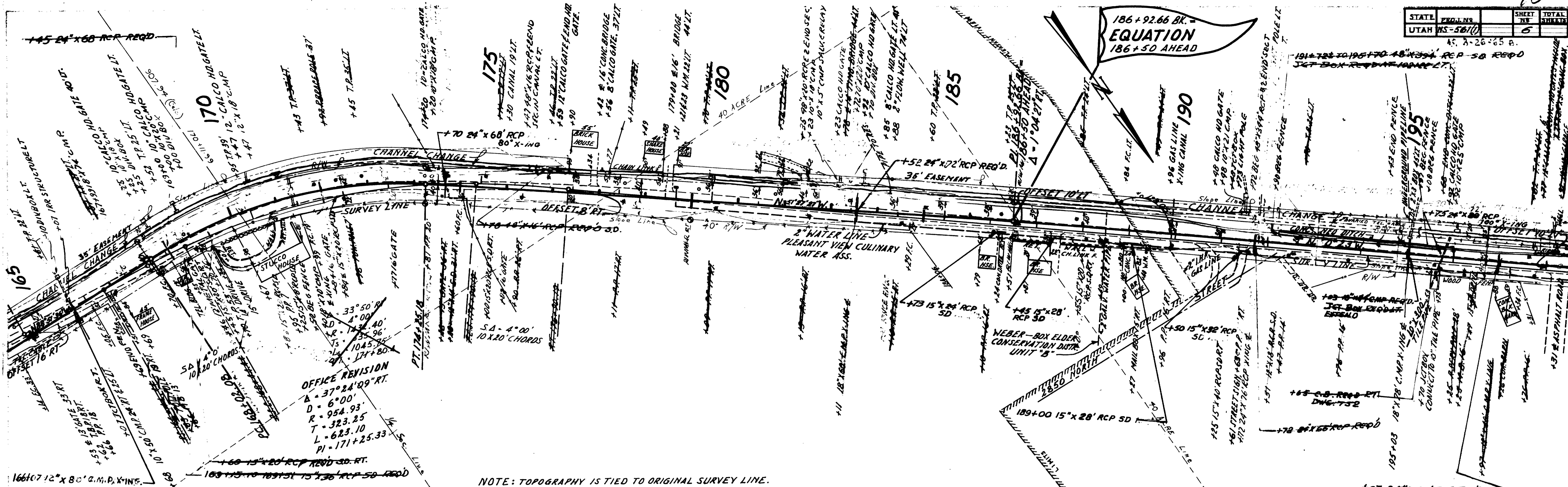
PROFILE SHEET  
 SURVEYED  
 PLOTTED  
 CHECKED  
 DATE: 11/11/48

STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
UTAH	NS-561(1)	1963	5	

REVISIONS	DATE	BY	CHK

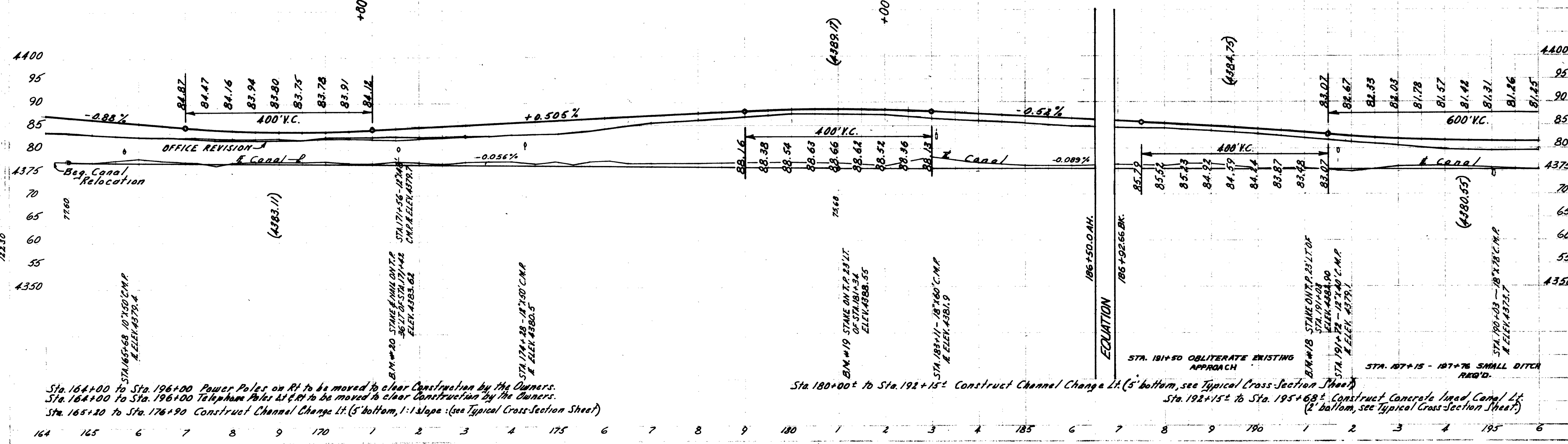


STATE	PROJECT	SHEET	TOTAL
UTAH	KS-561(1)	6	SHEETS



OFFICE REVISION  
 $\Delta = 37^\circ 24' 09''$  RT.  
 $D = 6^\circ 00'$   
 $R = 954.93'$   
 $T = 323.25'$   
 $L = 623.10'$   
 $PI = 171+25.33'$

NOTE: TOPOGRAPHY IS TIED TO ORIGINAL SURVEY LINE.



Sta. 164+00 to Sta. 196+00 Power Poles on Rt to be moved to clear Construction by the Owners.  
 Sta. 164+00 to Sta. 196+00 Telephone Poles at & RT to be moved to clear Construction by the Owners.  
 Sta. 165+20 to Sta. 176+90 Construct Channel Change Lt. (5' bottom, 1:1 slope (see Typical Cross-Section Sheet))

Sta. 180+00 to Sta. 192+15 Construct Channel Change Lt. (5' bottom, see Typical Cross-Section Sheet)  
 Sta. 192+15 to Sta. 195+68 Construct Concrete Inpad Canal Lt. (2' bottom, see Typical Cross-Section Sheet)

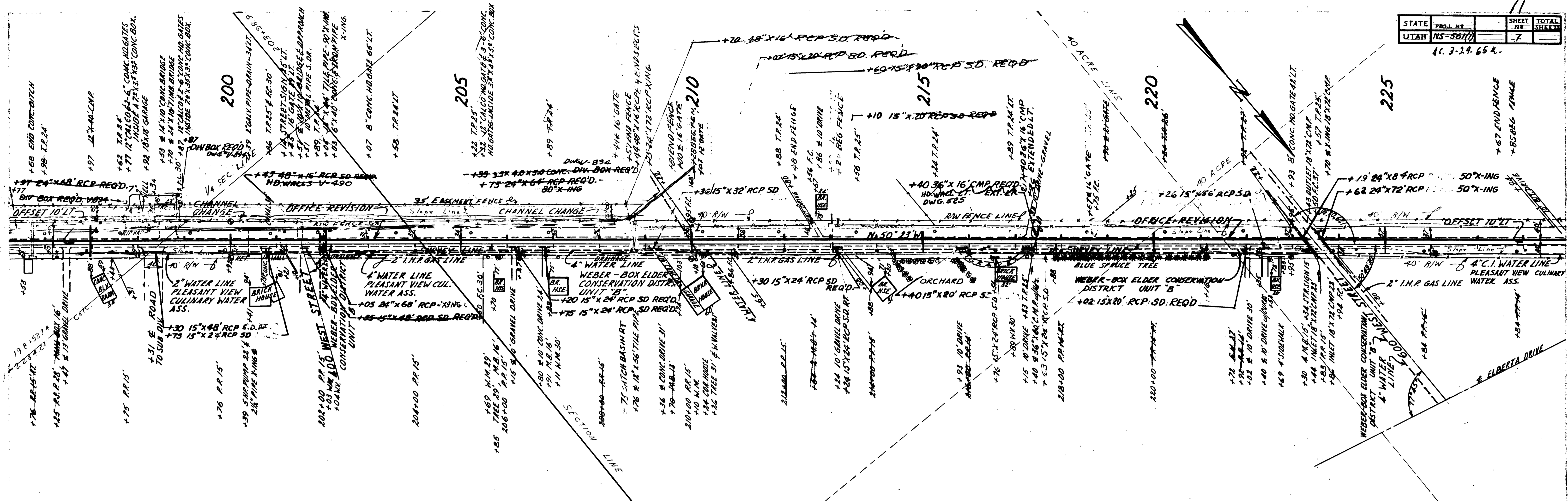
PLAN  
 SURVEYED  
 PLOTTED  
 DATE  
 12/23/50

PROFILE  
 SURVEYED  
 PLOTTED  
 DATE  
 12/23/50

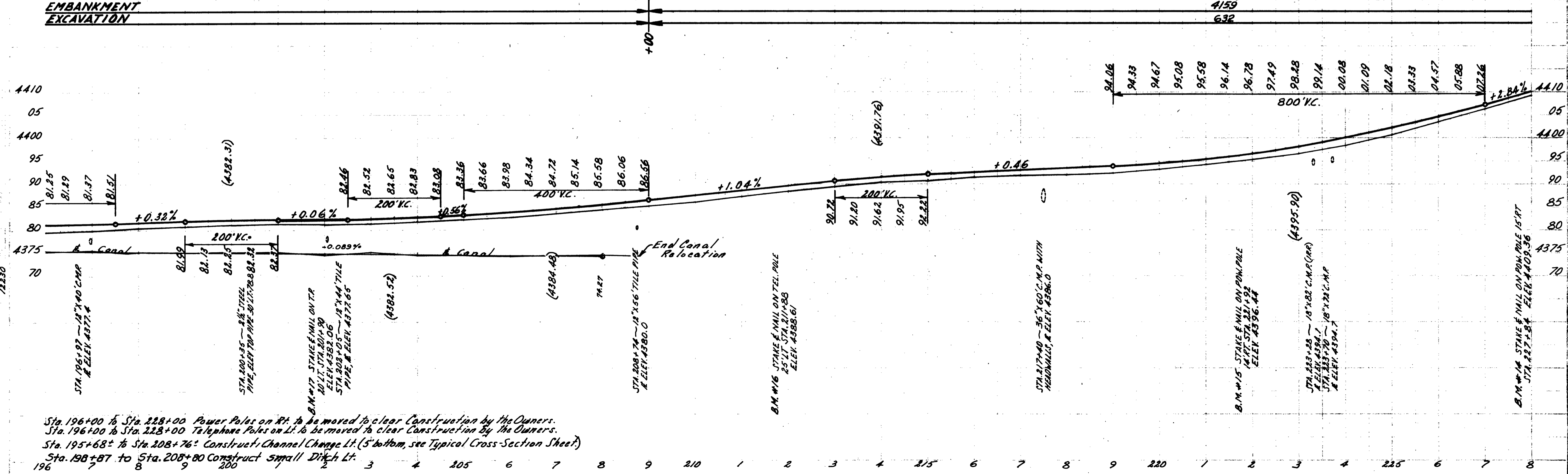
STATE	PROJ. NO.	SHEET	TOTAL SHEETS
UTAH	NS-567(7)	7	

41.3-29.654.

DATE: 11/15/67  
 REV. 3/1968  
 PLAN SURVEYED  
 PLOTTED  
 11/22/67  
 12/23/67



EMBANKMENT  
EXCAVATION



Sta 196+00 to Sta 228+00 Power Poles on Rt. to be moved to clear Construction by the Owners.  
 Sta 196+00 to Sta 228+00 Telephone Poles on Lt. to be moved to clear Construction by the Owners.  
 Sta 195+68± to Sta 208+76± Construct Channel Change Lt. (5' bottom, see Typical Cross Section Sheet)  
 Sta 198+87 to Sta 208+80 Construct small Ditch Lt.

STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
UTAH	NS-5610	8	
A.C. 8-30-65 B			

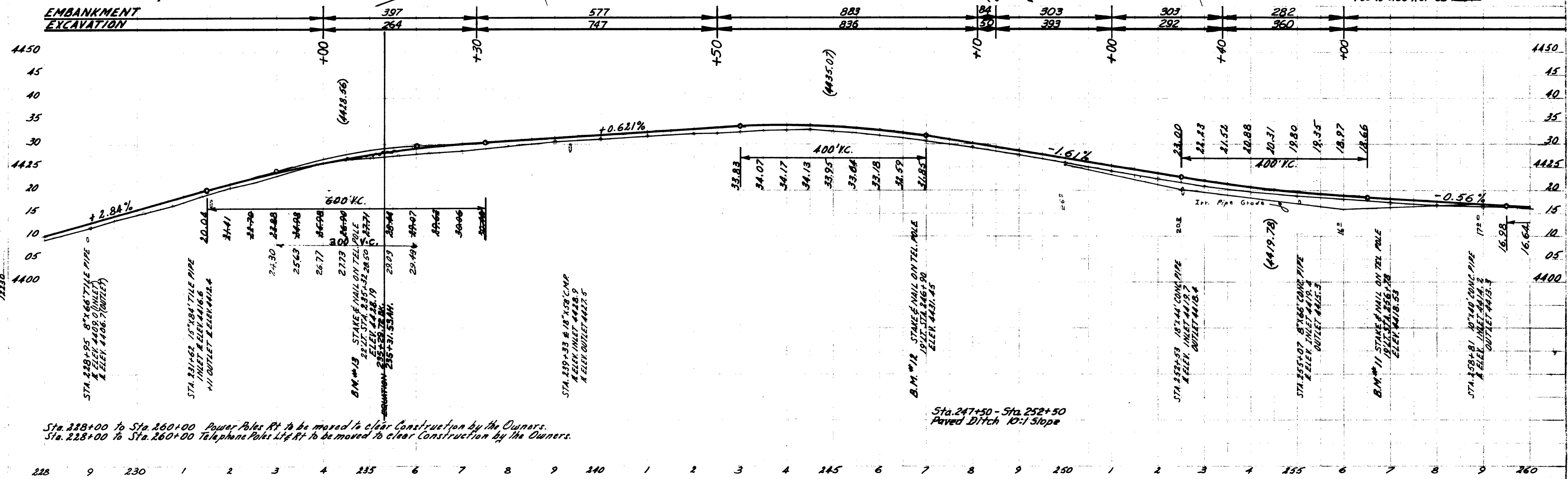
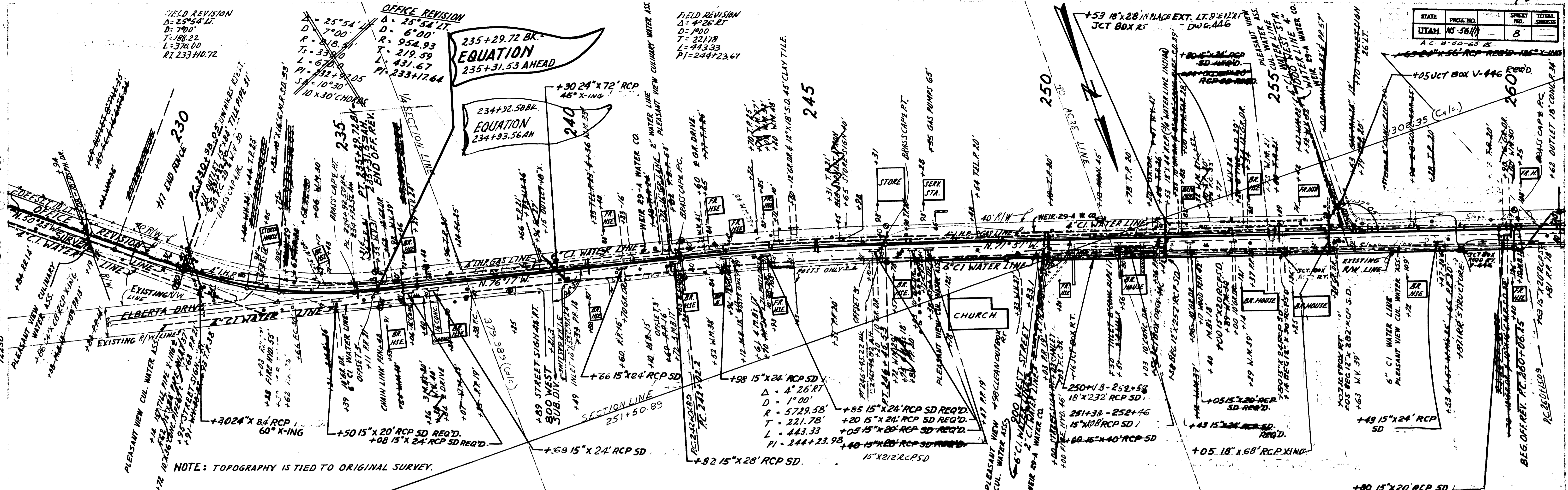
DATE: 1/20/61  
 SURVEYED BY: W. H. SMITH  
 PLOTTED BY: W. H. SMITH  
 CHECKED BY: W. H. SMITH  
 1961

PROFILE SURVEYED BY: W. H. SMITH  
 PLOTTED BY: W. H. SMITH  
 CHECKED BY: W. H. SMITH  
 1961

FIELD REVISION  
 Δ = 25°54' LT.  
 D = 7'00"  
 T = 188.22  
 L = 370.00  
 PI = 233+70.72

OFFICE REVISION  
 Δ = 25°54' LT.  
 D = 6'00"  
 R = 954.93  
 T = 219.59  
 L = 431.67  
 PI = 233+17.64

FIELD REVISION  
 Δ = 4°26' RT  
 D = 400  
 T = 22.78  
 L = 443.33  
 PI = 244+23.67



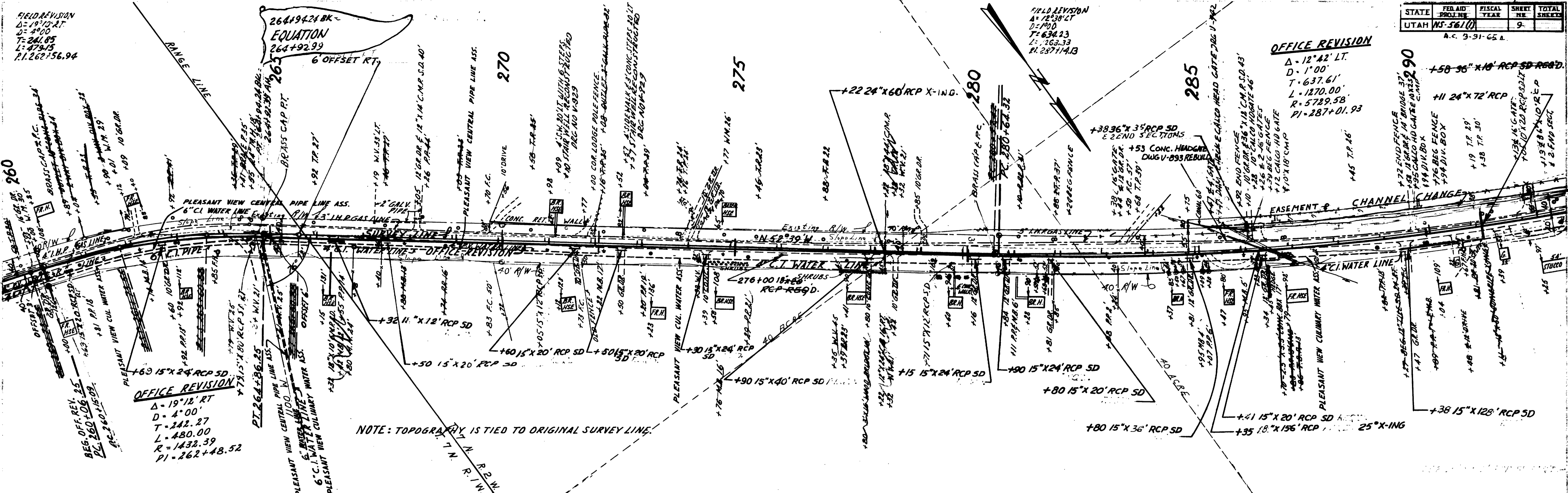
Sta. 228+00 to Sta. 260+00 Power Poles Rt to be moved to clear Construction by the Owners.  
 Sta. 228+00 to Sta. 260+00 Telephone Poles Lt to be moved to clear Construction by the Owners.

Sta. 247+50 - Sta. 252+50  
 Paved Ditch 10:1 Slope

228 9 230 1 2 3 4 235 6 7 8 9 240 1 2 3 4 245 6 7 8 9 250 1 2 3 4 255 6 7 8 9 260

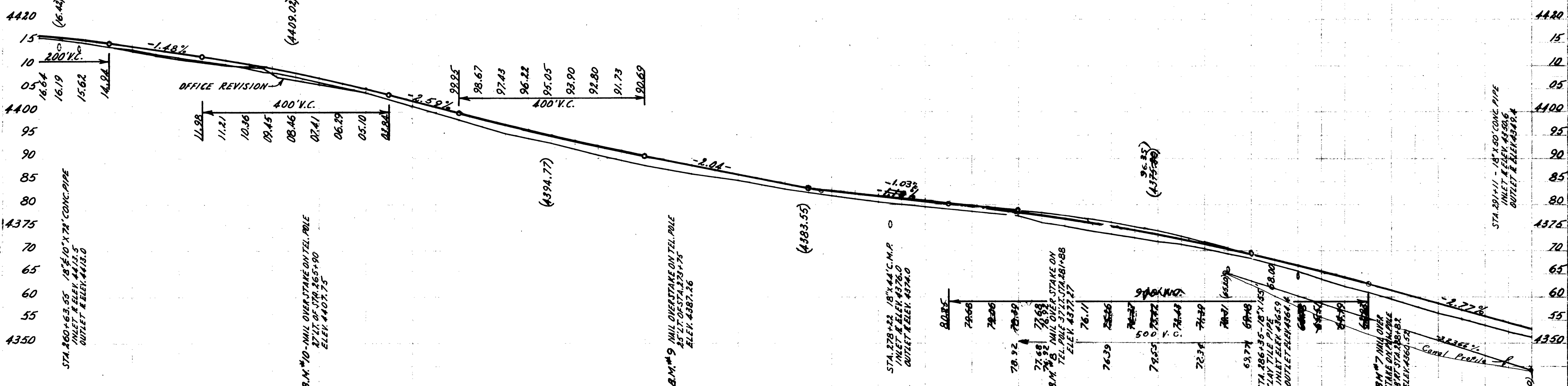
STATE	FED AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
UTAH	NS-56(1)		9	

A.C. 9-31-65 L.



NOTE: TOPOGRAPHY IS TIED TO ORIGINAL SURVEY LINE.

**EMBANKMENT EXCAVATION**



Sta. 260+00 to Sta. 292+00 Power Poles to be moved to clear construction by the Owners.  
 Sta. 260+00 to Sta. 292+00 Telephone Poles Lt & Rt to be moved to clear construction by the Owners.

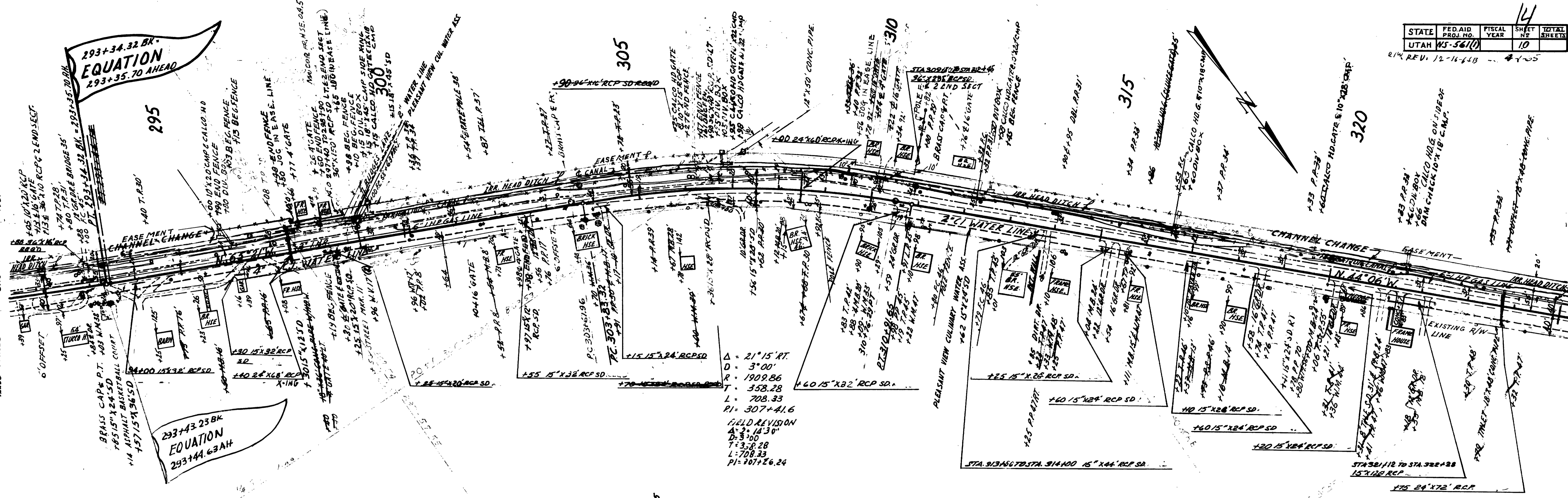
Sta. 285+50 to Sta. 334+00 Construct Channel Change Lt. (bottom). See Typical Cross Section Sheet.

260 1 2 3 4 265 6 7 8 9 270 1 2 3 4 275 6 7 8 9 280 1 2 3 4 285 6 7 8 9 290 1 2

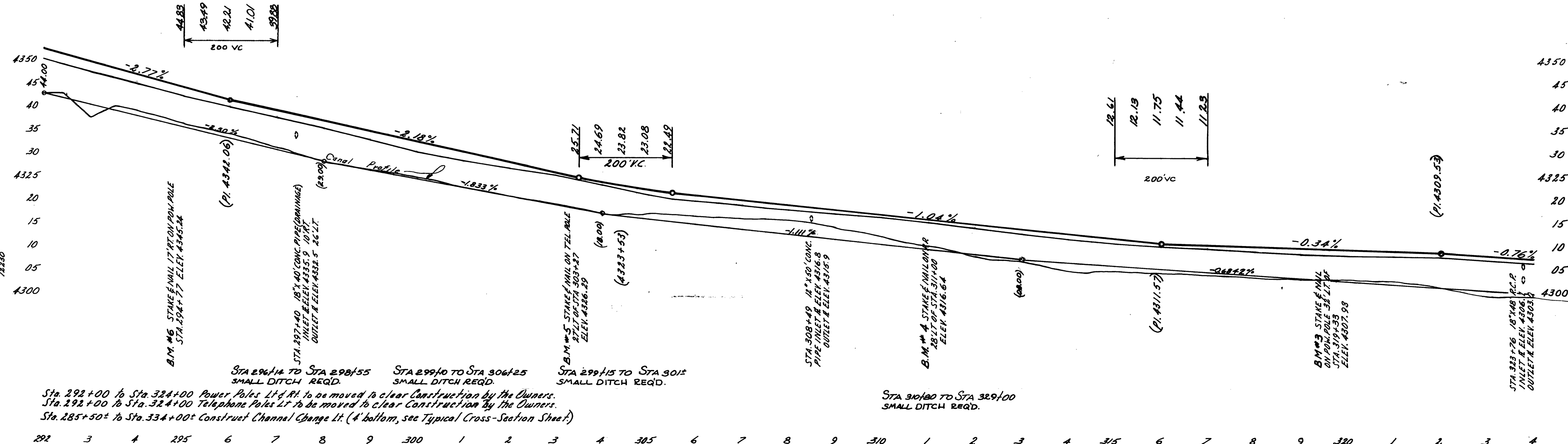
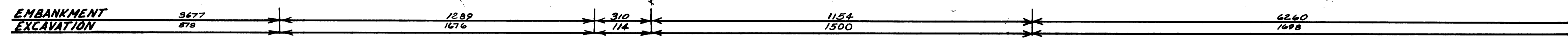
DATE: 1/27/66  
 BY: M. W. WILSON  
 CHECKED: B. H. G. S.  
 PLAN SHEET NO. 13  
 PROJECT NO. 13-56(1)  
 REVISION: 3/66

DATE: 1/27/66  
 BY: M. W. WILSON  
 CHECKED: B. H. G. S.  
 PROFILE SHEET NO. 13  
 PROJECT NO. 13-56(1)  
 REVISION: 3/66





$\Delta = 21' 15" RT.$   
 $D = 3' 00"$   
 $R = 1909.86$   
 $T = 358.28$   
 $L = 708.33$   
 $PI = 307+41.6$   
 FIELD REVISION  
 $\Delta = 2' 14' 30"$   
 $D = 3' 00"$   
 $T = 358.28$   
 $L = 708.33$   
 $PI = 307+26.24$

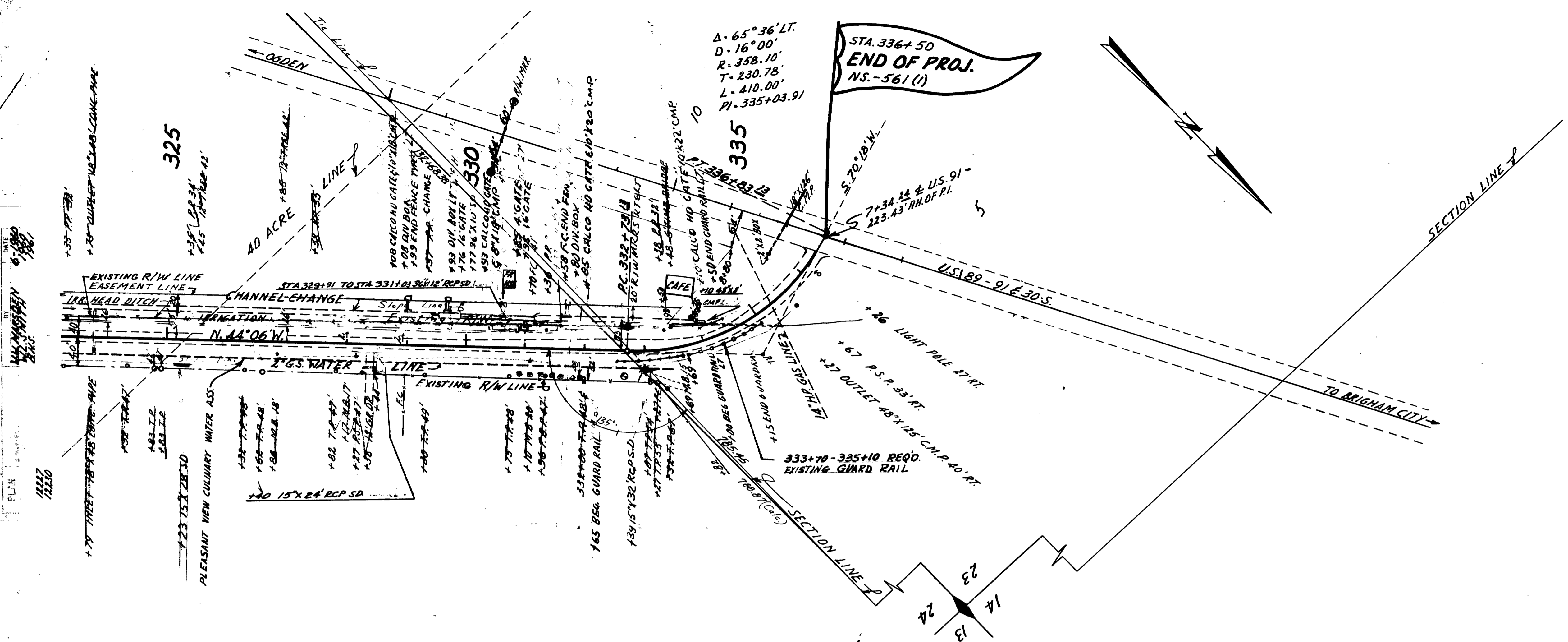


Sta. 292+00 to Sta. 324+00 Power Poles Lt & Rt. to be moved to clear Construction by the Owners.  
 Sta. 292+00 to Sta. 324+00 Telephone Poles Lt. to be moved to clear Construction by the Owners.  
 Sta. 285+50± to Sta. 334+00± Construct Channel Change Lt. (4' bottom, see Typical Cross-Section Sheet)

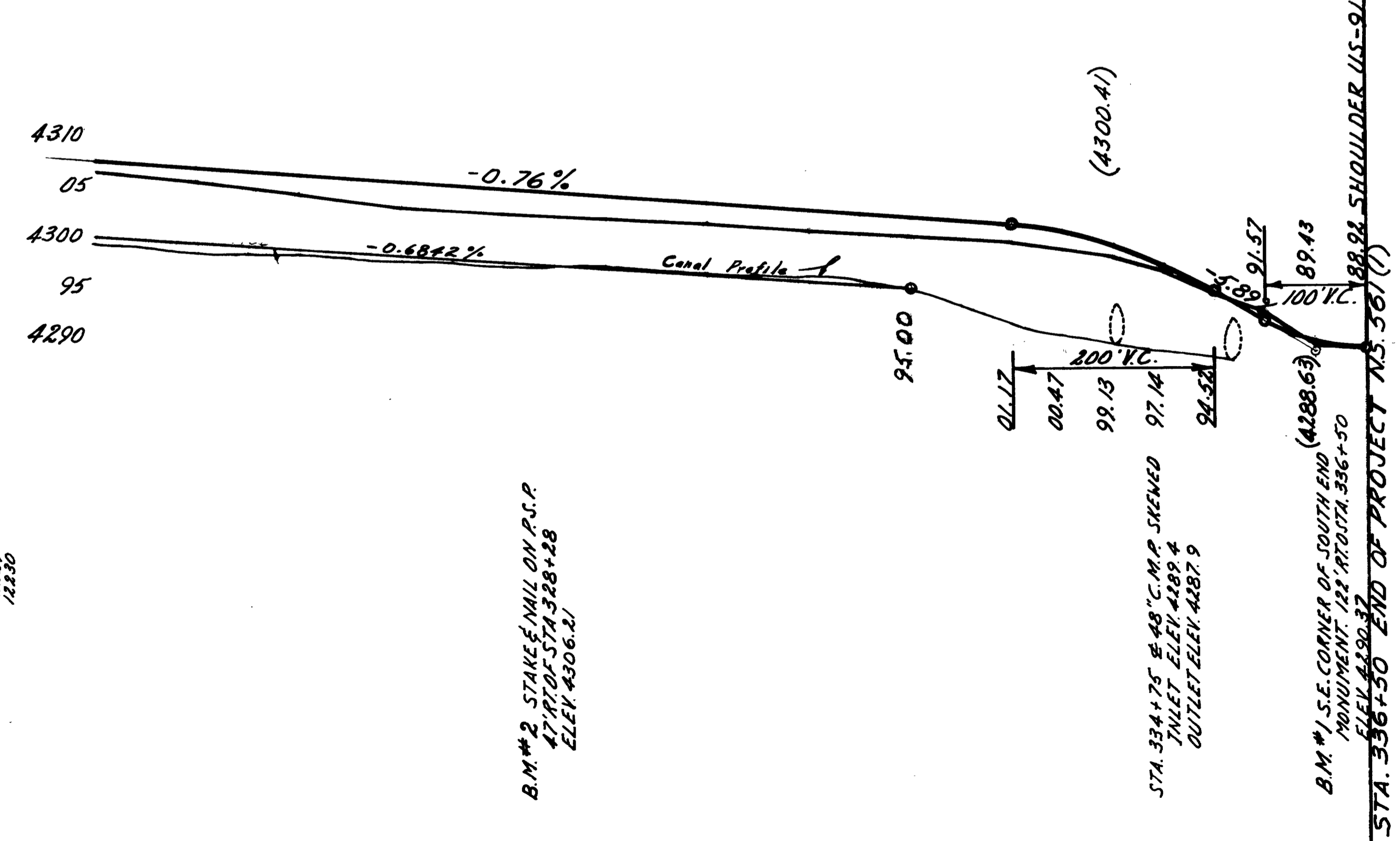
292 3 4 295 6 7 8 9 300 1 2 3 4 305 6 7 8 9 310 1 2 3 4 315 6 7 8 9 320 1 2 3 4

STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
UTAH	NS-561(1)		11	

A. 4-2-65 K.

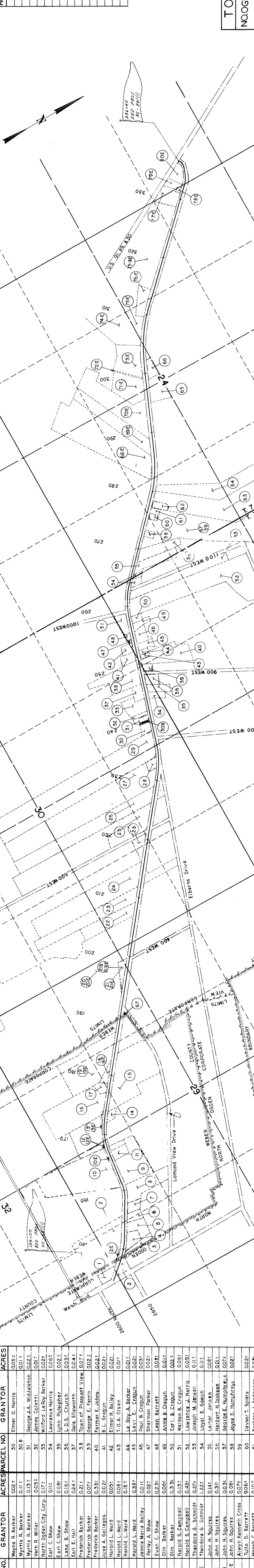


**EMBANKMENT  
EXCAVATION**



Sta. 324+00 to Sta. 336+50 Power Poles Lt & Rt to be moved to clear Construction by the Owners.  
Sta. 324+00 to Sta. 336+50 Telephone Poles Lt to be moved to clear Construction by the Owners.

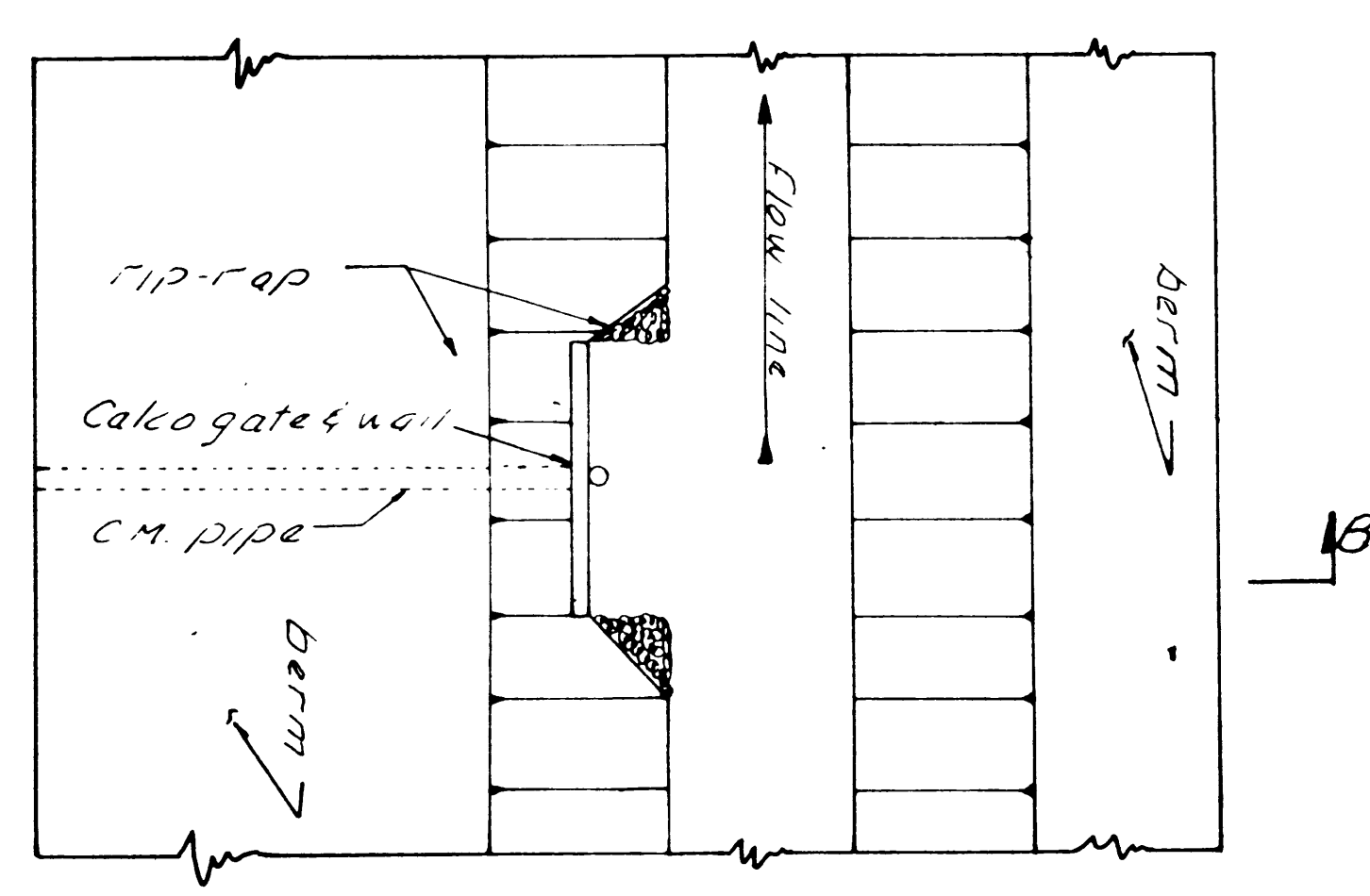
PARCEL NO.	GRANTOR	ACRES	PARCEL NO.	GRANTOR	ACRES
1	Wayne R. Barker	0.02±	30	Elmer O. Harris	0.05±
2	Myrtle R. Barker	0.11±	30 B		0.01±
3	Myrtle R. Barker	0.13±	31	George J.A. Middleton	0.02±
3E	Vern R. Miller	0.05±	32	James Coletti	0.01±
4	North Ogden City Corp.	0.17±	33	Wilford LeRoy Barker	0.02±
5	Earl C. Shaw	0.11±	34	Lawrence Harris	0.06±
6	Earl C. Shaw	0.08±	35	Lynn Pulsipher	0.02±
7	Lena B. Shaw	0.16±	36	L.D.S. Church	0.03±
8	Earl E. Hall	0.24±	37	Dale Ellsworth	0.04±
9	Frederick Barker	0.21±	38	Town of Pleasant View	0.07±
10	Frederick Barker	0.07±	39	George E. Ferrin	0.02±
10E	Frederick Barker	0.38±	40	Farmer E. Johns	0.02±
11	Jose A. Gallegos	0.02±	41	B.L. Cragun	0.02±
12	Harold L. Ward	0.05±	42	Elmer H. Bailey	0.02±
12E	Harold L. Ward	0.08±	43	T.O.A. Olsen	0.01±
13	Harold L. Ward	0.18±	44	Le Roy A. Barker	0.01±
13E	Harold L. Ward	0.38±	45	Levi E. Cragun	0.02±
14	Jennie Marie Bailey	0.01±	46	Paul B. Cragun	0.03±
15	Parley A. Shaw	0.02±	47	Sherman Parker	0.02±
16	Evan C. Shaw	0.23±	48	Leon Barrett	0.02±
18E	Olin Barker	0.06±	49	Annie B. Cragun	0.01±
19	Harold S. Campbell	0.33±	50	Earl B. Cragun	0.02±
19E	Harold S. Campbell	0.13±	51	Waldon B. Cragun	0.05±
20	Theodore G. Schmidt	0.43±	52	Lawrence J. Harris	0.09±
20E	Theodore G. Schmidt	0.27±	53	Joseph M. Jensen	0.11±
21	Theodore G. Schmidt	1.22±	54	Loyal E. Gooch	0.11±
21E	John H. Squires	0.14±	55	Lamar Jensen	0.08±
21B	John H. Squires	0.31±	56	Harbert H. Isakson	0.01±
21BE	John H. Squires	0.03±	57	George E. Humphreys	0.07±
22	Alwyn Kenneth Cross	0.08±	58	Joyce E. Humphreys	0.02±
23	Tulla D. Barrett	0.07±	59		
24	Menah C. Barnett	0.06±	60	Devar T. Spliers	0.02±
25	Zeno I. Thimes	0.10±	61	Barbara J. Anderson	0.03±
26	Joseph S. Roylance	0.29±	67	George H. Rhee	0.03±
27	Edward Barrett	0.07±	63	Le Land W. Rhee	0.06±
28	Jennie Brown Winters	0.32±	64	Commercial Security	0.01±
29	Joseph S. Roylance	0.06±	65	Lottie C. Wilkinson	0.02±
			66	George F. Tucker	0.12±



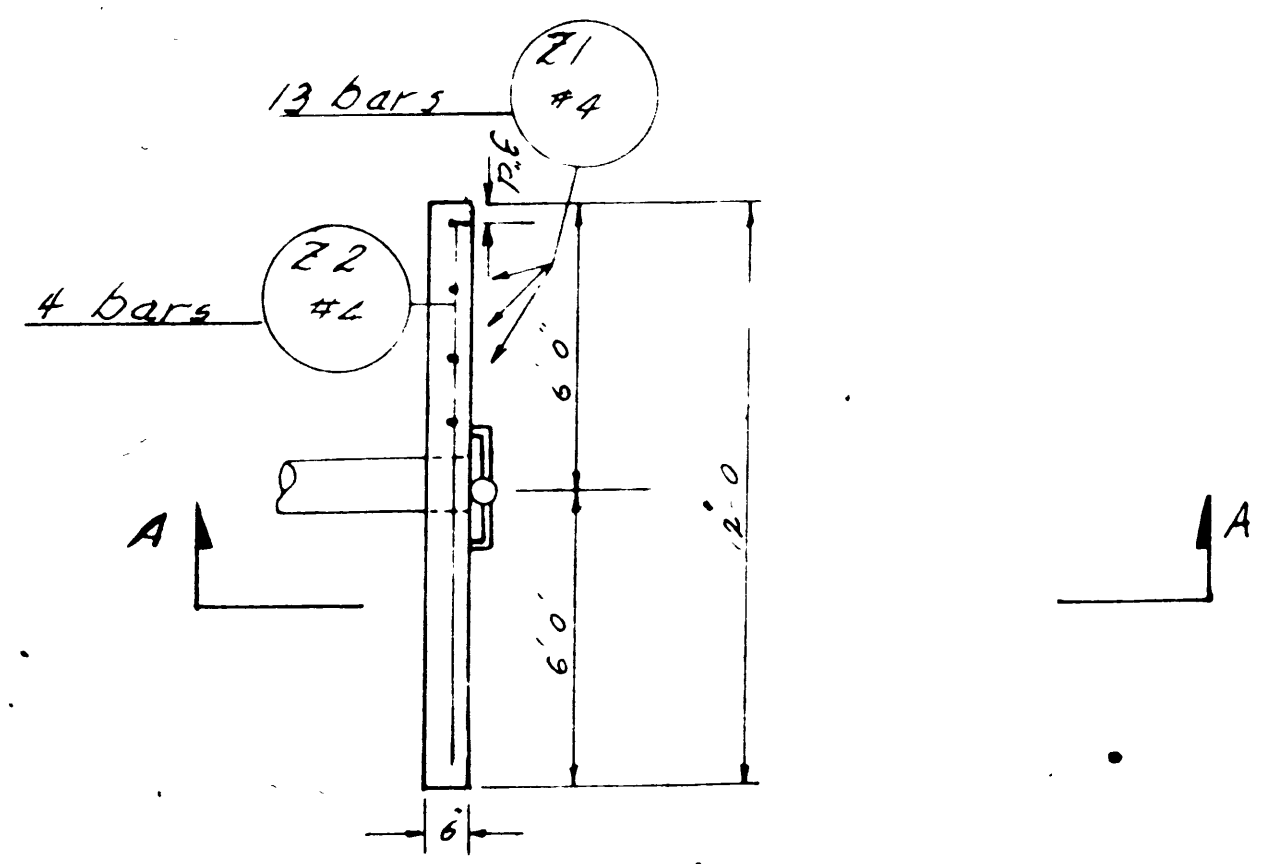
PARCEL NO.	GRANTOR	ACRES
67	Town of Pleasant View	0.20±
68	Sherman L. Jones	0.10±
69E	Arthur E. Rhee	0.24±
70E	Earl J. Rhee	0.43±
71E	Irel R. Leonard	0.23±
72E	Adam Dickemore	0.15±
73E	Wallace R. Budge	0.55±
74E	Horace C. Rhee	0.08±
75B	Peter Colletti	0.28±
75BE	Peter Colletti	1.32±
76E	James Colletti	0.17±
77E	Millicent Niel Mathews	0.15±
78E	Florence M. Johansen	0.06±
79E	Val Borg J. McGregor	0.09±
80E	Vern H. Taylor	0.09±

TOTAL TRACT MAP  
 NO. OGDEN US 91  
 NS - 561(1)  
 SCALE 1" = 500'  
 WEBER CO.  
 JUNE 15 1963  
 R. T. R.

REVISOR: DATE  
 REVISOR: DATE  
 REVISOR: DATE



PLAN SITUATION



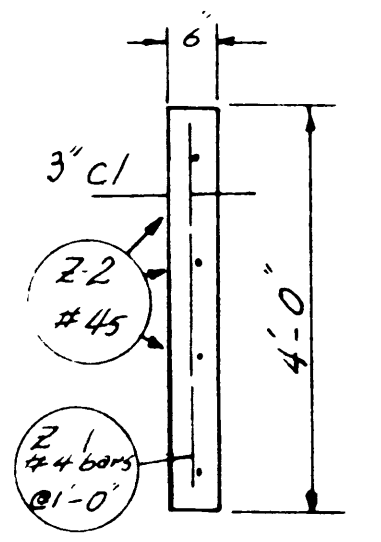
PLAN

Excavation 38 cubic yd.  
 Concrete 0.89 cubic  
 Rein steel 6300 lbs

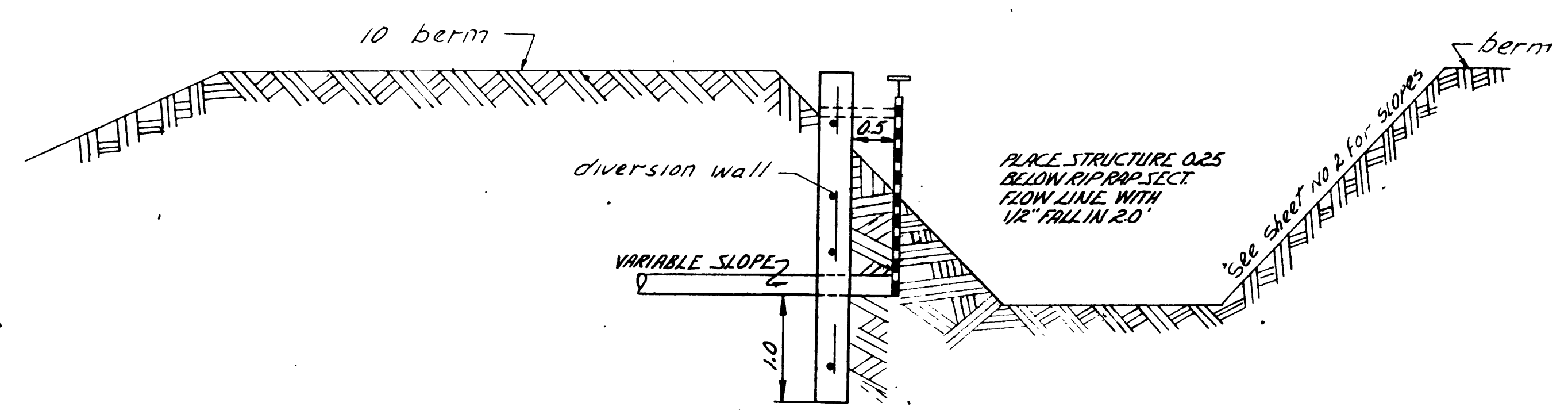
Quantities are for (1) structure

(1) structure required at each of the following stations

STATION	REMARKS
191 + 50	
169 + 10	
170 + 45	
174 + 30	
177 + 08	
184 + 25	
286 + 28	
289 + 79	
306 + 75	
312 + 34	
321 + 66	
Total: 11 structures	



SECTION "A-A"



SECTION "B-B"

MARK	LOCATION	SIZE	LGTH	NO BARS	TOTAL LENGTH	SKETCH	
Z-1	Diversion Wall	4	3'-8"	91	333'-8"		
Z-2	Diversion wall	4	11'-8"	44	513'-4"		
						a	
W-1	Diversion Dam	4	2'-0"	6	15'-0"	a	
W-2	Diversion Dam	4	11'-6"	2	23'-0"	a	
						a	
W-3	Diversion Dam	4	5'-4"	8	42'-8"	a	
W-4	Diversion Dam	4	1'-10"	5	9'-2"	a	
						1'-0"	
					#4	936'-10"	@ 0.668 lb/ft = 625.80
					TOTAL = 626 Lbs		

GENERAL NOTES

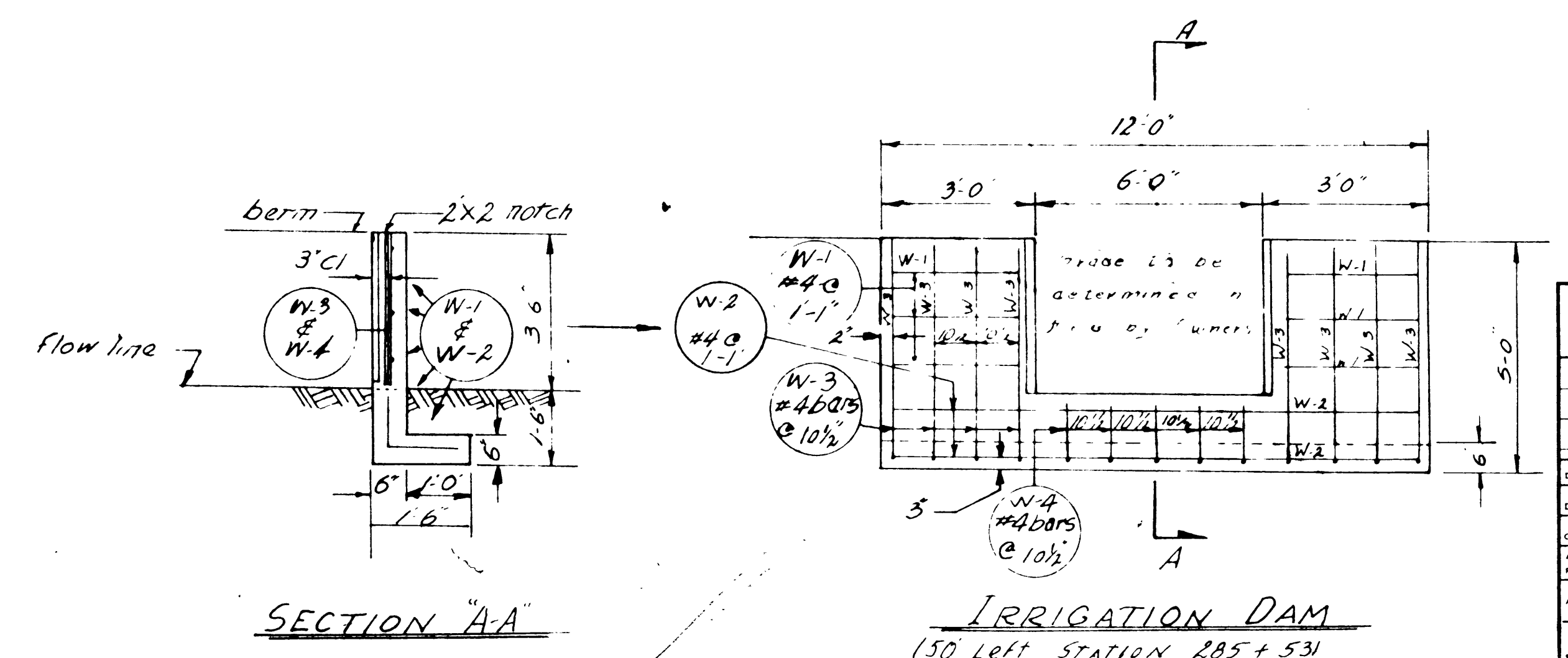
- Materials construction and workmanship shall be in accordance with the State Standard Specifications for Road and Bridge construction 1960 Edition and supplements thereto which are in effect at the date of request for bids.
- 2 All concrete shall be class "A" (Air Entrained)
  - 3 Type II low alkali cement required
  - 4 All Reinforcing Steel shall be intermediate grade designated as #4 and deformed to AASHTO M-137

DESIGN NOTES

in accordance with AASHTO Specifications for 1961

QUANTITIES

ITEM	ESTIMATED	AS CONST.	UNIT
Excavation for structure (incl)			Cubic yard
Class A concrete (Air Entrained)			Cubic yard
Reinforcing steel			Lb.
Removal of existing structure			Each
Structural steel			Lb.



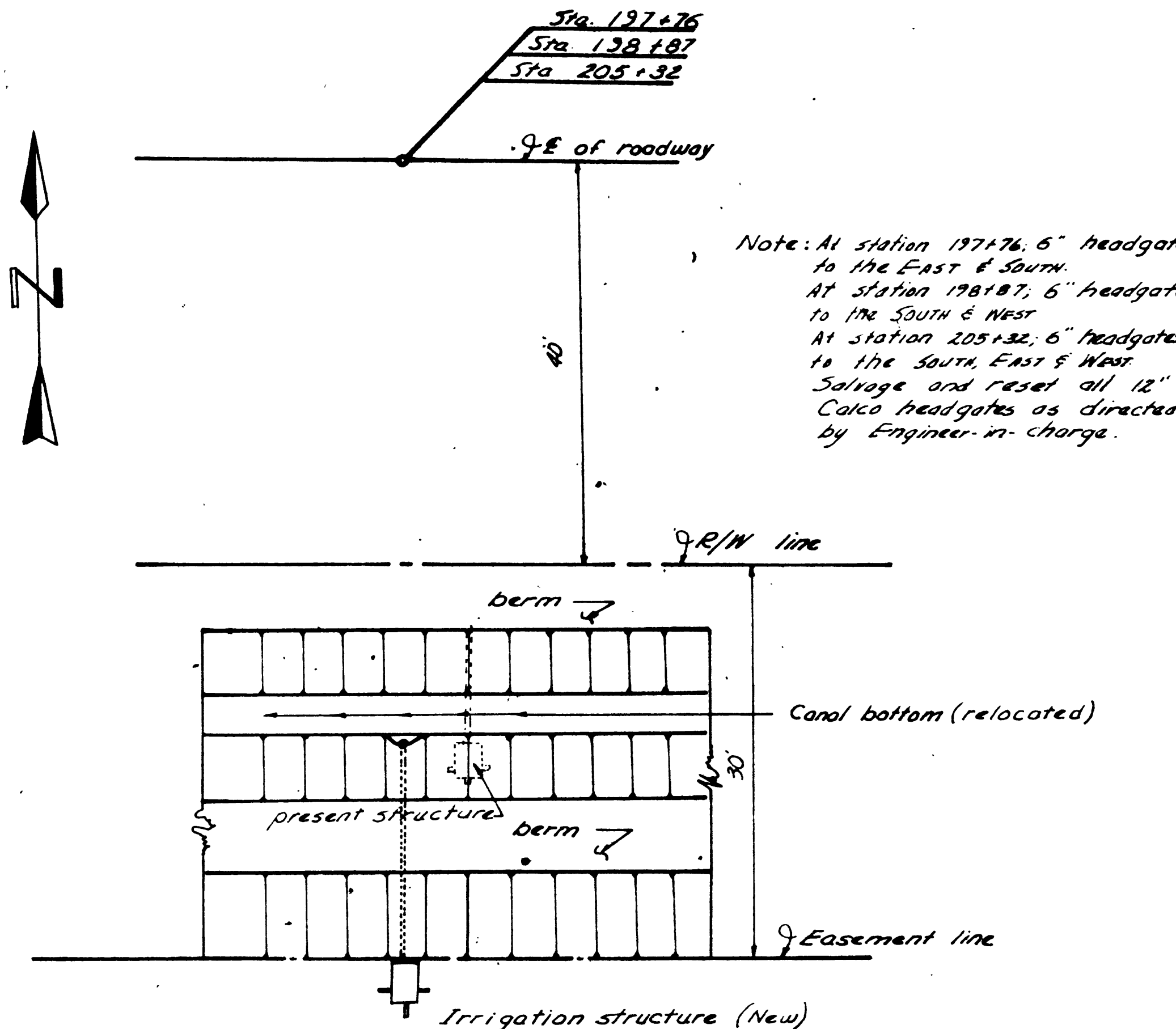
SECTION "A-A"

UTAH STATE DEPARTMENT OF HIGHWAYS  
 SALT LAKE CITY, UTAH  
 STRUCTURES DIVISION  
**NORTH OGDEN TO U.S. 91**  
 IRRIGATION STRUCTURES  
 Details and Rein Steel Schedule

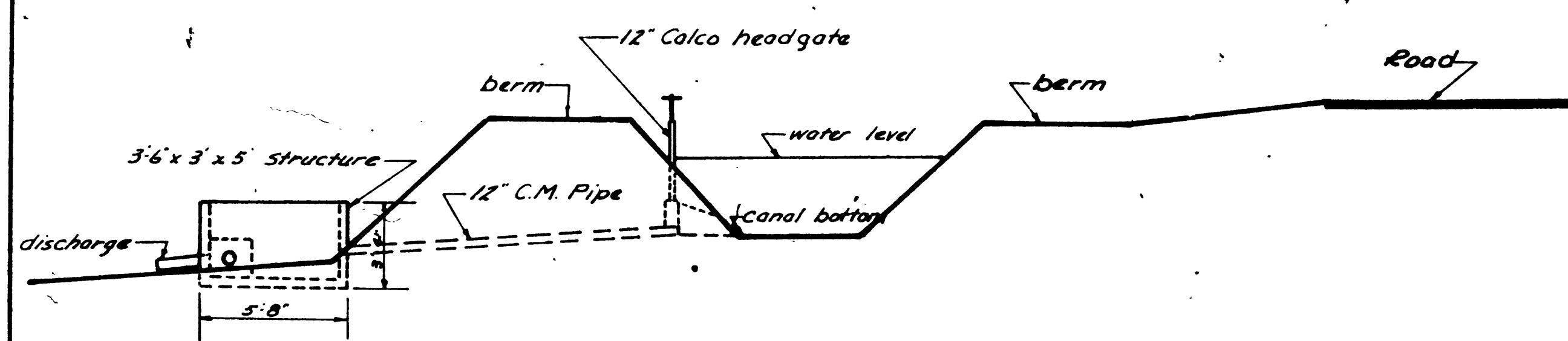
DESIGNED BY J.N.V. CHECKED BY B.H.S. PROJECT NUMBER NS-561(1)  
 DRAWN BY J.N.V. CHECKED BY B.H.S. STATION  
 APPROVAL BY B.H.S. CHECKED BY GROUP LEADER WEBER  
 APPROVED DATE CHIEF STRUCTURAL ENGR COUNTY

BR NO V-893 1 OF 1

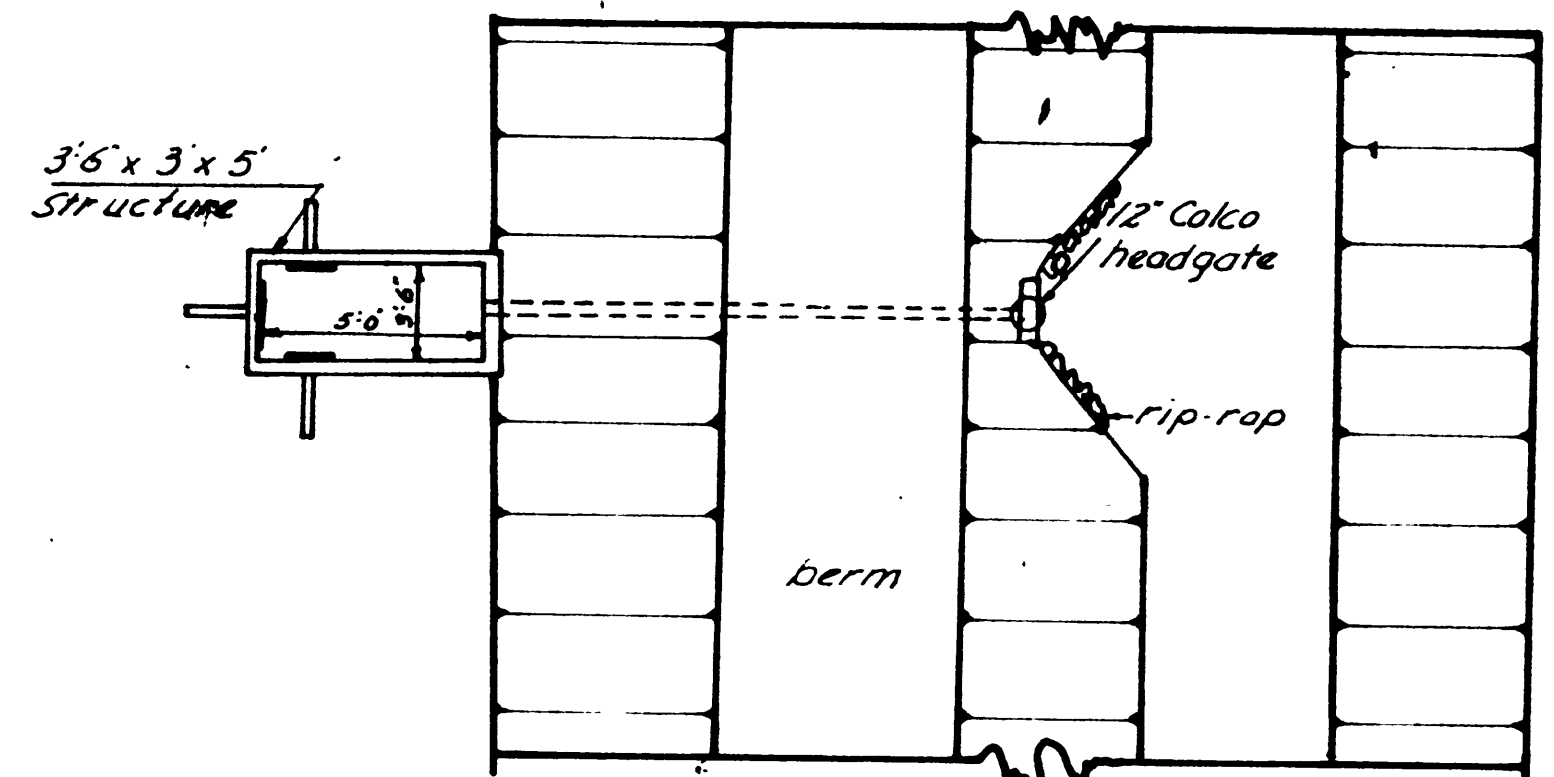
REVISOR: DATE  
 REVISOR: DATE  
 REVISOR: DATE  
 REVISOR: DATE



**SITUATION**

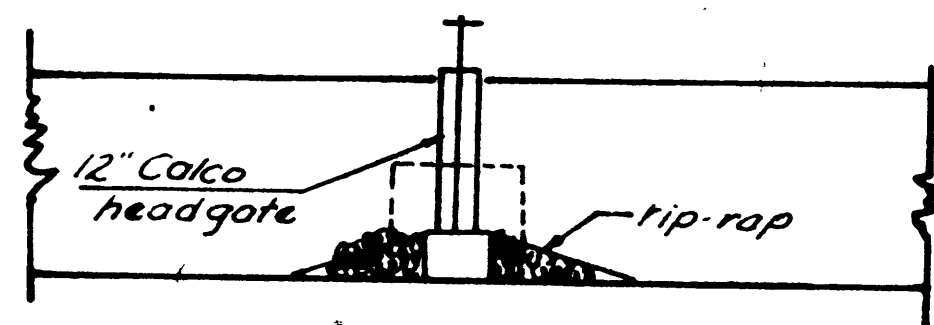


**PROFILE**

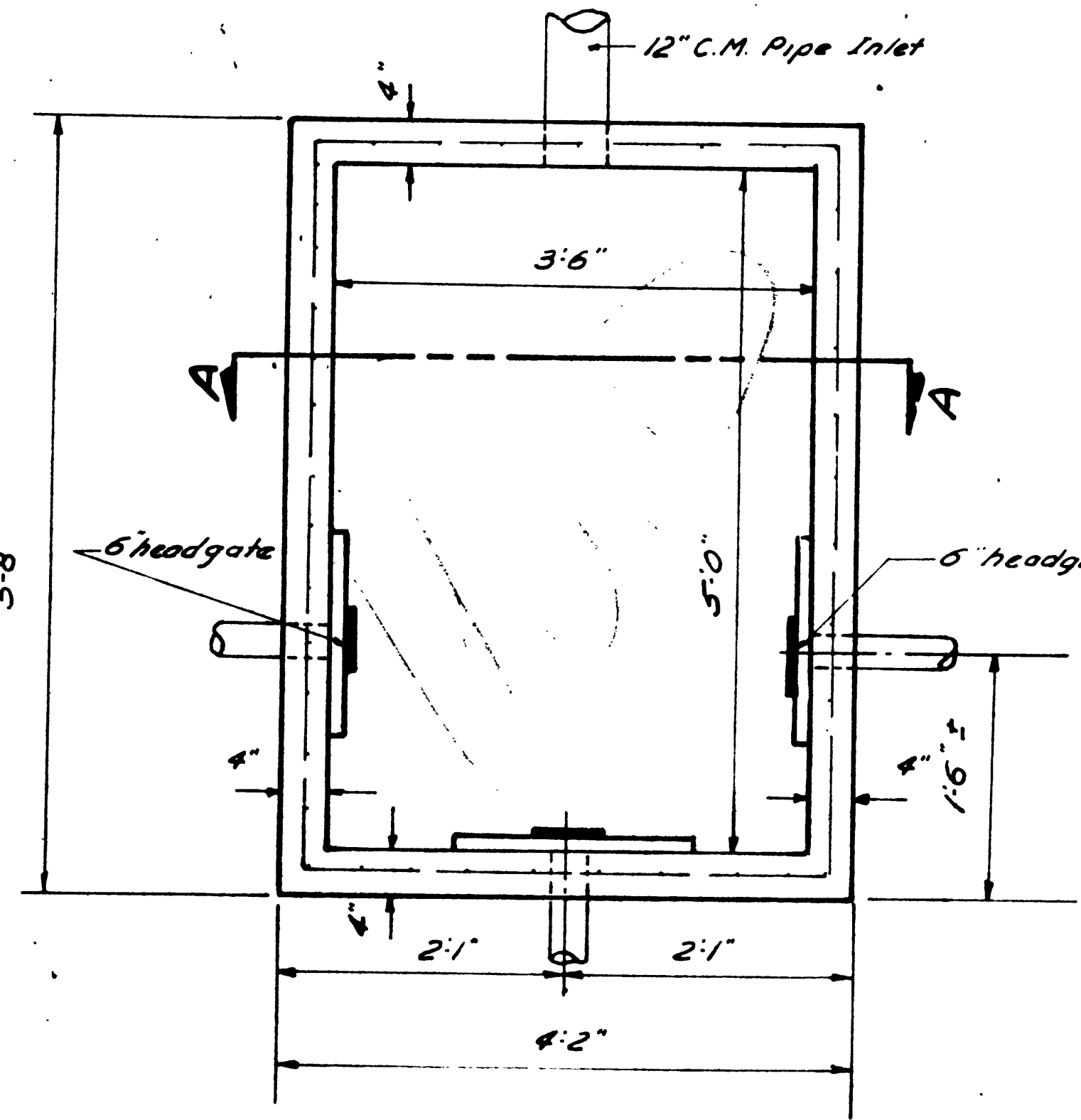


**PLAN**

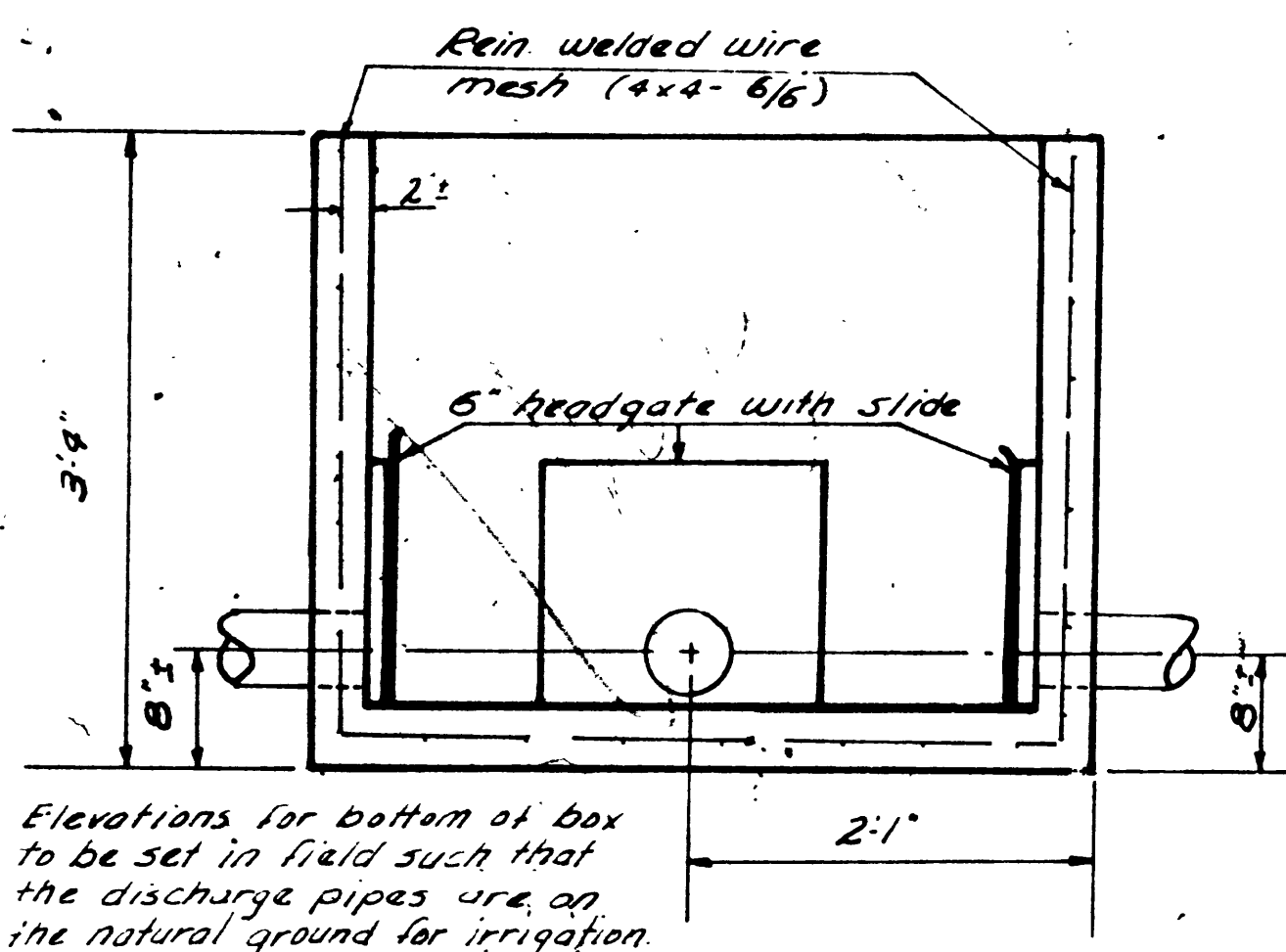
NOTE: Rip-rap to be paid for as a bid item in the canal relocation.



**SIDE VIEW**



**PLAN**



**SECTION "A-A"**

Elevations for bottom of box to be set in field such that the discharge pipes are on the natural ground for irrigation.

**GENERAL NOTES**

- 1 Materials, construction and workmanship shall be in accordance with the State Standard Specifications for Road and Bridge Construction, 1960 Edition, and supplements thereto which are in effect at the date of request for bids.
- 2 All concrete shall be class "A" (Air Entrained).
- 3 Type II low alkali cement required.
- 4 Reinforced welded wire mesh shall conform to the Specification for Welded Steel Wire Fabric for Concrete Reinforcement of the AASHTO designation M-55.

**DESIGN NOTES**

In accordance with AASHTO Specifications for 1961

ITEM	ESTIMATED	AS CONST	UNIT
Excavation for structure (incl.)	3.0		Cubic yard
Class "A" concrete, (Air Entrained)	3.0		Cubic yard
Reinforcing steel wire mesh	66.0		Squ. foot
6 dia. headgate with slide	7.0		Each
Removal of existing structure	3.0		Each

NOTE: payment for removal of three existing structures shall not be paid for separately but shall be included in other items of work.  
 Quantities are for 3 structures

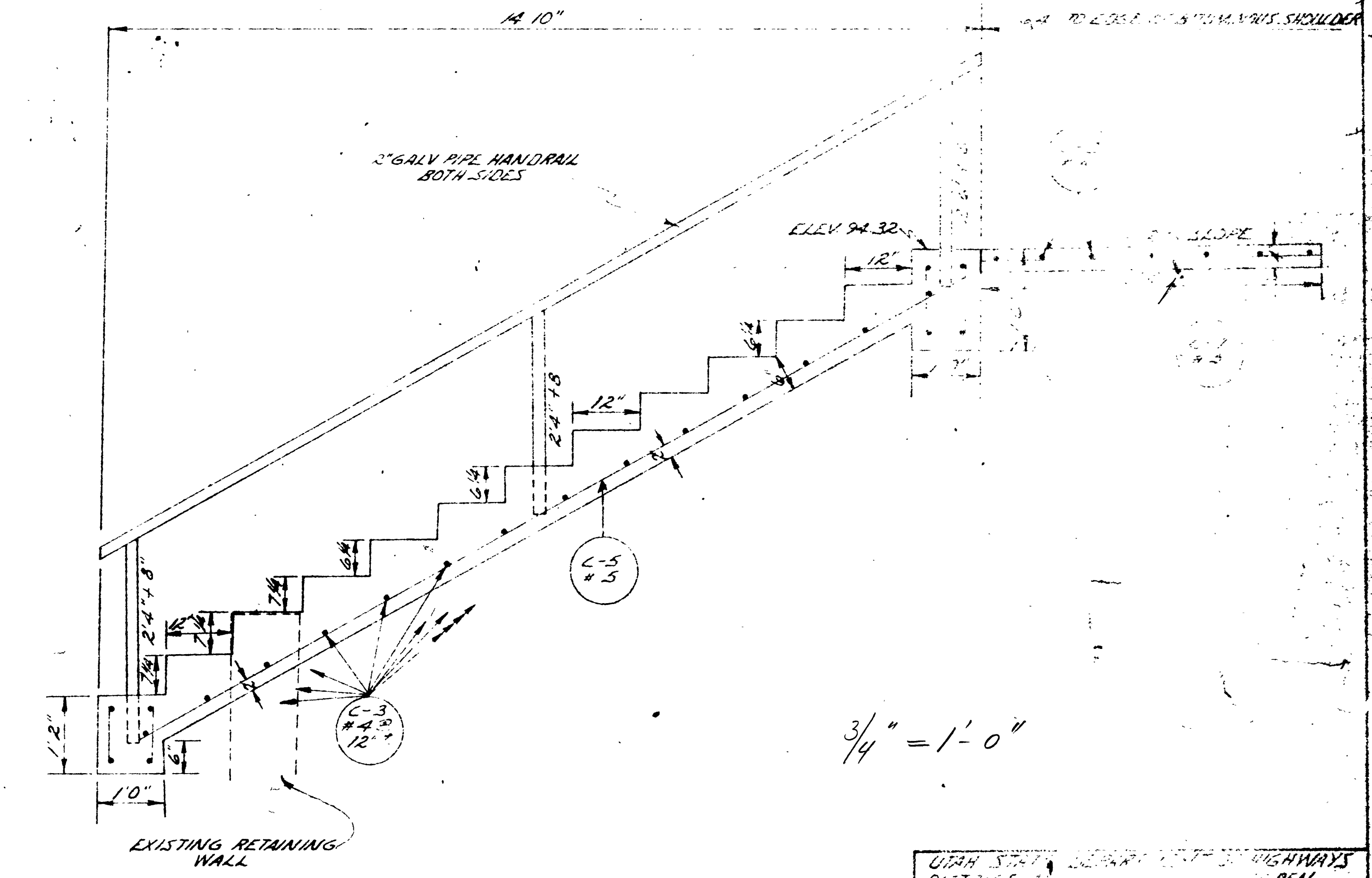
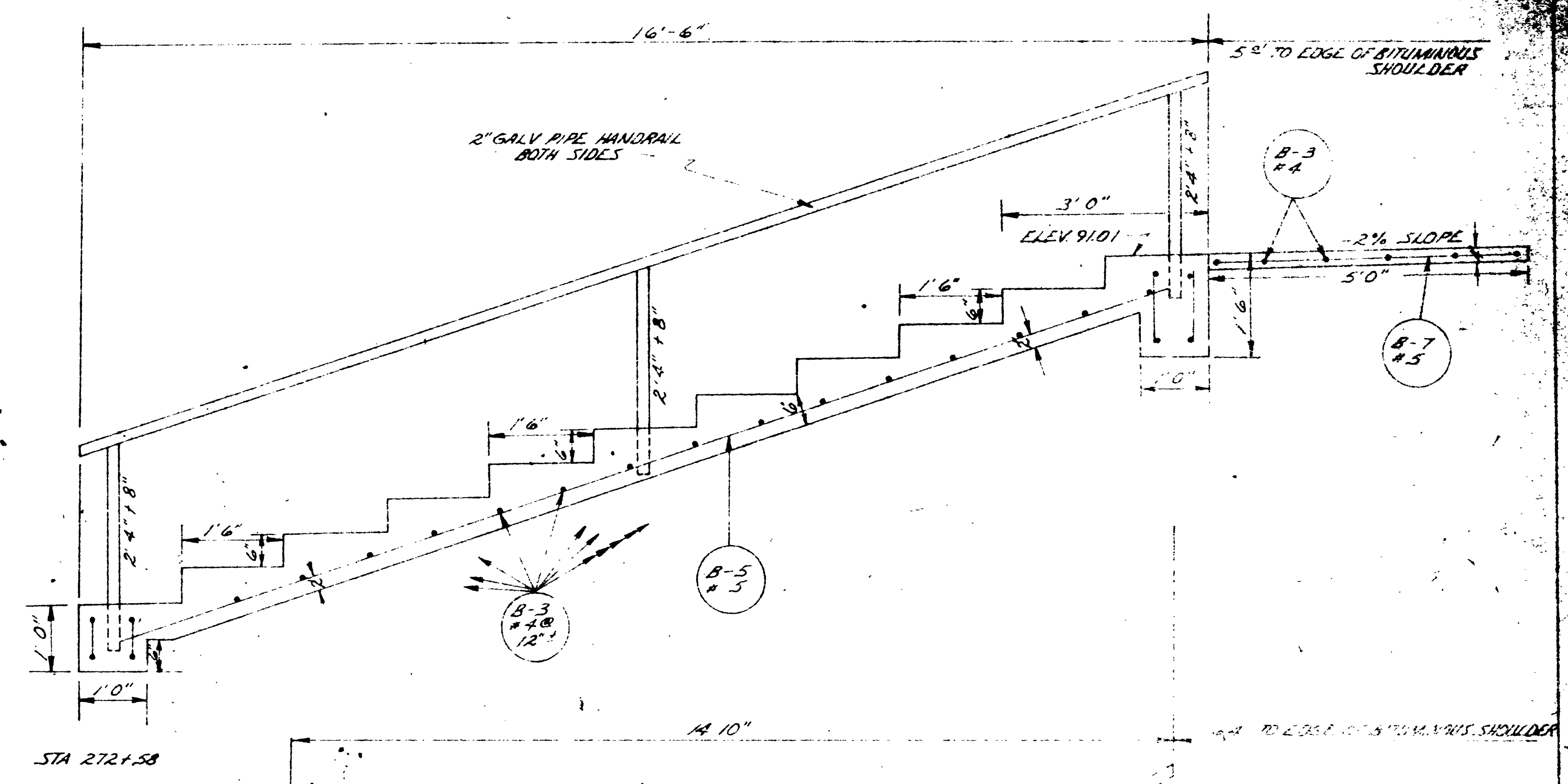
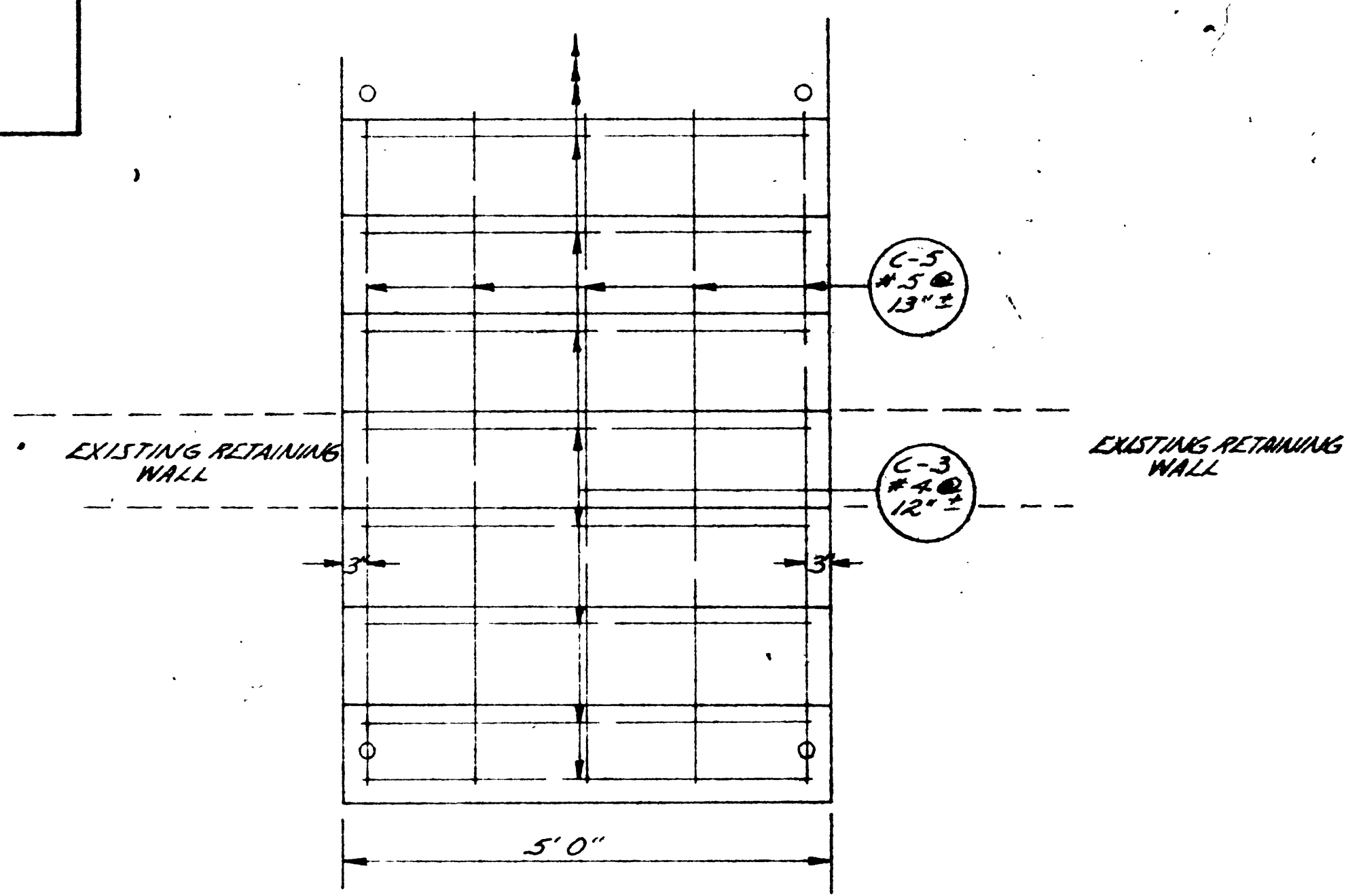
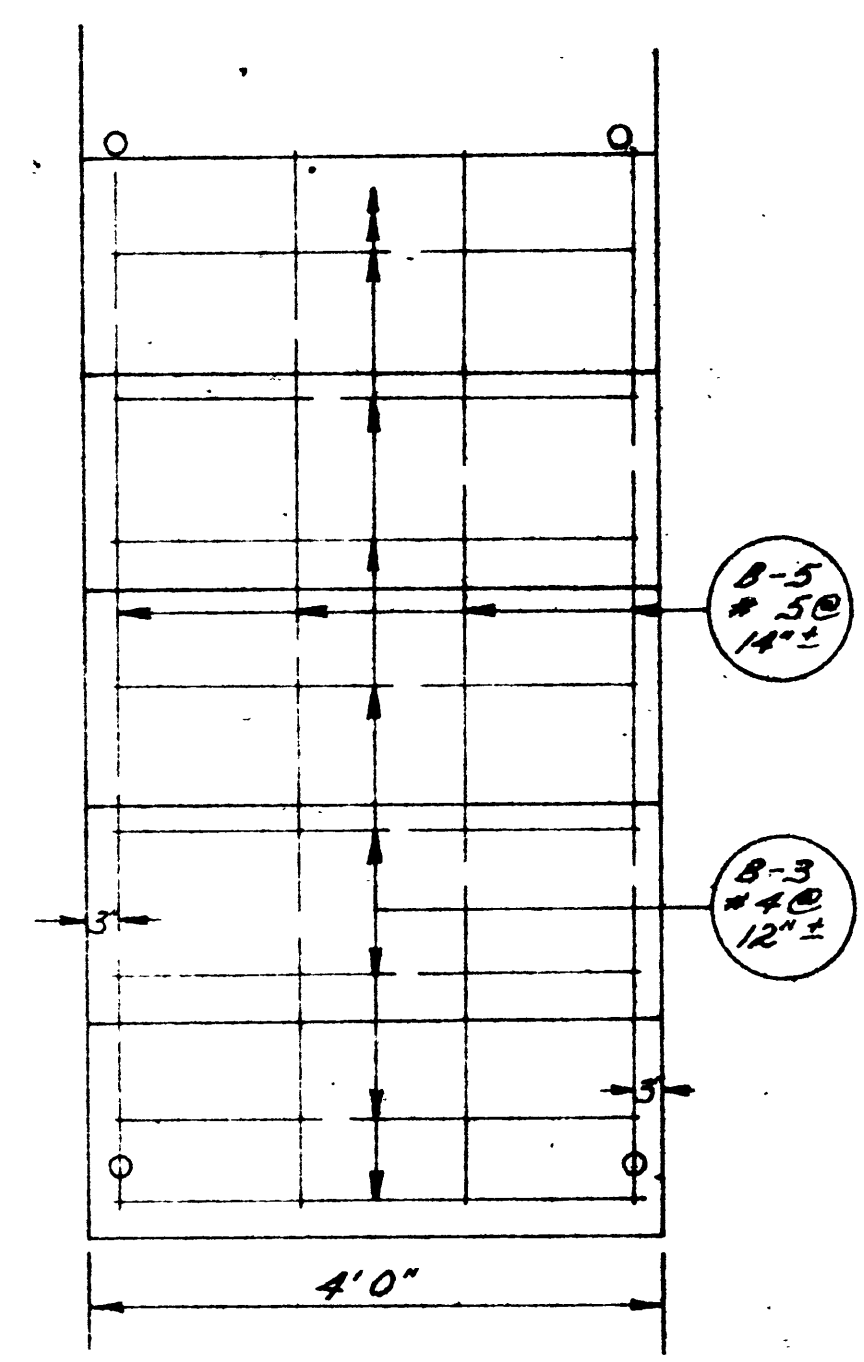
UTAH STATE ROAD COMMISSION  
 SALT LAKE CITY, UTAH  
 STRUCTURES DIVISION  
 NORTH OGDEN TO U.S. 91  
 IRRIGATION STRUCTURE  
 DIVERSION DETAILS

DESIGNED BY J.N.V. CHECKED BY... PROJECT NUMBER NS-561(1)  
 DRAWN BY J.N.V. CHECKED BY L.V. PROJECT NUMBER 1977-76  
 APPROVAL RECOMMENDED BY James A. Peckham GROUP LEADER STAFFING  
 APPROVED DATE CHIEF STRUCTURAL ENGINEER COUNTY

BR NO DRG NO V-829 1 of 1

MARK	LOCATION	SIZE	LGTH	NO	TOTAL	SKETCH
				REBS	LENGTH	
B-3		#4	3'-6"	23	80' 6"	
B-5		#5	16' 4"	5	77' 8"	
B-7		#5	4' 8"	4	18' 8"	
		#4	4' 6"	24	108' 0"	
		#5	15' 5"	6	92' 6"	
		#5	6' 0"	5	30' 0"	

188' 6" X 668#/FT = 125.9 LBS  
 218' 10" X 1043#/FT = 228.3 LBS  
 TOTAL = 354.2



3/4" = 1'-0"

QUANTITIES  
 EXCAVATION FOR STRUCTURES  
 CONCRETE CLASS A  
 REINFORCING STEEL  
 STRUCTURAL STEEL  
 (HANDRAIL)

0.00 YDS  
 462.20 LBS  
 354.2 LBS  
 426

UTAH STATE DEPARTMENT OF HIGHWAYS	
DISTRICT 1	ASDEN
NORTH OGDEN 1.15-91	
RECONSTRUCTION OF STAIRS	
PLAN	
DATE	11-5-61 (C)
BY	11-21-58
CHECKED	11-21-58
SCALE	3/4" = 1'-0"