

FED. ROAD DIST. NO.	STATE	PROJECT NO.	SHEET NO.
UTAH	UTAH	DD-53(1)	1

RIGHT OF WAY INSTRUMENTS				
ORIGINAL SUBMISSION FOR R/W AUTH.				
REVISIONS				
R/W DIST. NO.	NO.	PARCELS AFFECTED	REQUEST BY	REMARKS

INDEX TO SHEETS	
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	TYPICAL CROSS SECTION
3-3A	SUMMARY SHEETS
4-6	PLAN PROFILE
7	CHANNELIZATION
8	STANDARD CLEANOUT & JUNCTION BOXES
9	STANDARD HEADWALL

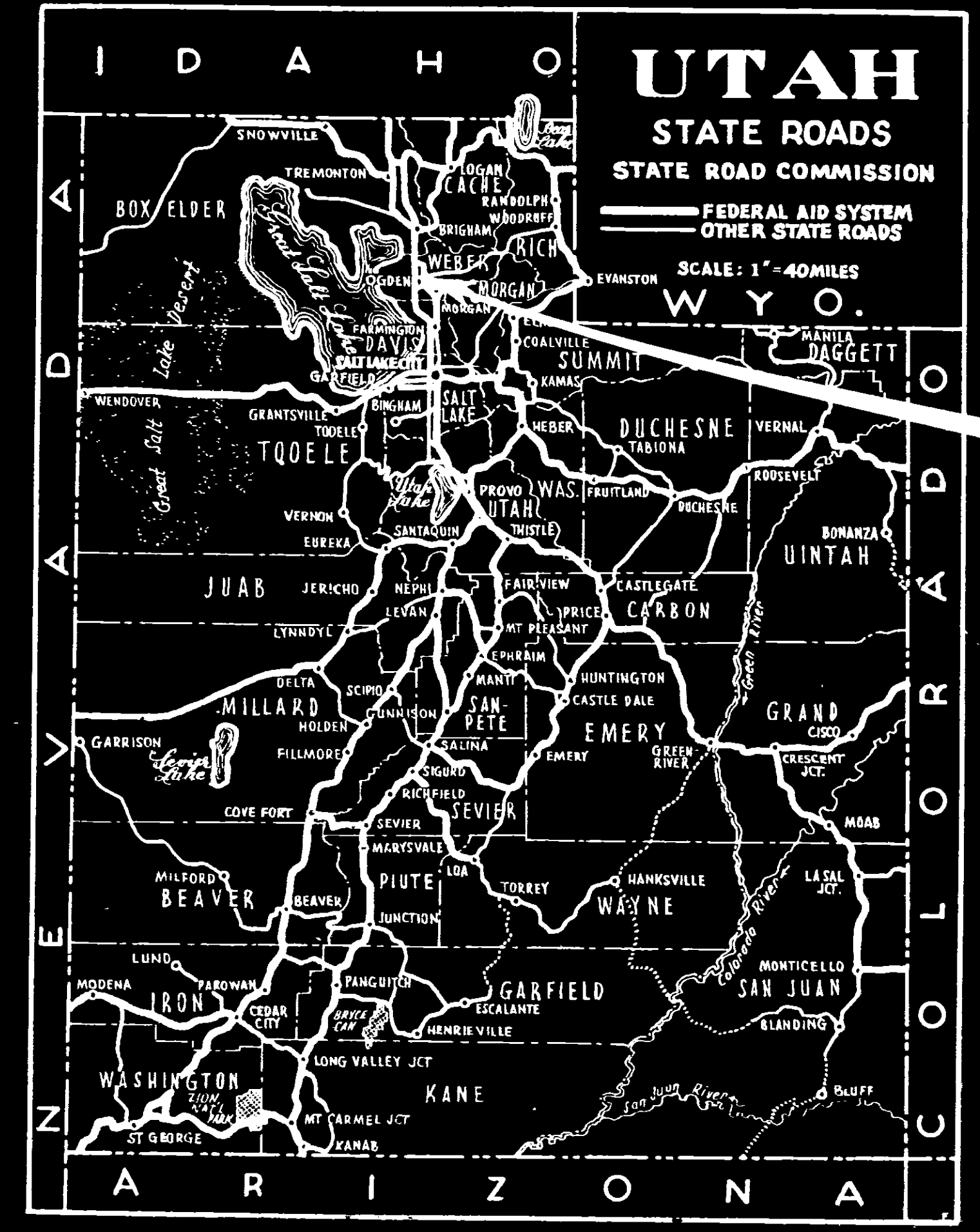
STANDARD DRAWINGS APPLICABLE THIS PROJ. (NOT INCLUDED IN THESE PLANS)

DESCRIPTION	DRAWING NO.	EFFECTIVE DATE
SUPERELEVATION AND WIDEN	805-1A, II	9-10-63
RAISED MEDIAN	86-5	11-12-64
CONSTRUCTION SIGNING	745-1A	11-14-63
CONSTRUCTION SIGNING	745-3, C, D	9-10-63
CONSTRUCTION SIGNING	745-1E	4-28-64
CONSTRUCTION IDENTIFICATION	785-6	5-21-68
PROJECT & R/W MARKERS, GUIDE POST & MAIL BOXES	725-1	5-21-68
DIVERSION BOX	650-1	6-5-68
DIVERSION BOX	650-2, 3	2-3-64
CONCRETE CURB AND BUTTER	615-1	2-7-64
METAL CULVERT END SECTIONS	608-2	4-4-67
REINFORCED CONCRETE CULVERTS	608-20	4-4-66
R/W FENCE & GATES	720-1	9-11-68

STATE OF UTAH STATE ROAD COMMISSION

PLANS OF PROPOSED STATE ROAD
FEDERAL AID PROJECT

DD-53(1)
I-15 TO DEFENSE DEPOT OGDEN
WEBER COUNTY
LENGTH 0.794 MILES



PROJECT NO. DD-53(1)
APPROVED FOR RIGHT OF WAY
John W. Homer 14 Nov 1968
JOHN W. HOMER DATE
RIGHT OF WAY ENGINEER

UTAH STATE DEPARTMENT OF HIGHWAYS
RECOMMENDED FOR APPROVAL _____
ENGINEER, ROADWAY DESIGN DIVISION
John W. Homer
RIGHT OF WAY ENGINEER
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
BUREAU OF PUBLIC ROADS
APPROVED _____
DIVISION ENGINEER DATE

FED. ROAD DIST. NO.	STATE	PROJECT NO.	SHEET NO.
UTAH	UTAH	DD-53(1)	3

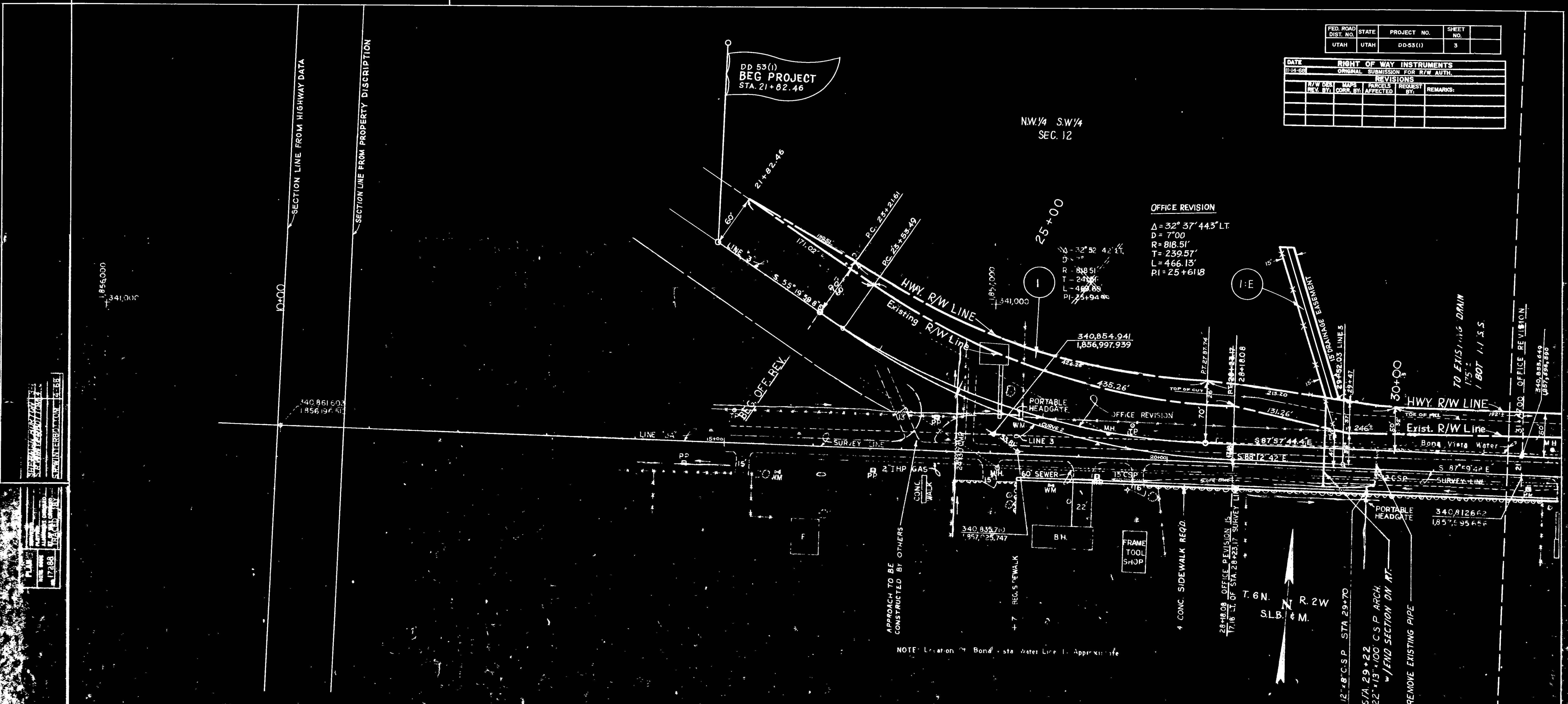
DATE				
RIGHT OF WAY INSTRUMENTS				
ORIGINAL SUBMISSION FOR R/W AUTH.				
REVISIONS				
M/W DIST. NO.	DATE	REVISIONS	REQUEST BY	REMARKS

DD 53(1)
BEG PROJECT
STA. 21+02.46

NW 1/4 S.W 1/4
SEC. 12

OFFICE REVISION

$\Delta = 32^\circ 37' 44.3''$ LT
D = 7'00
R = 818.51'
T = 239.57'
L = 466.13'
PI = 25+61.18

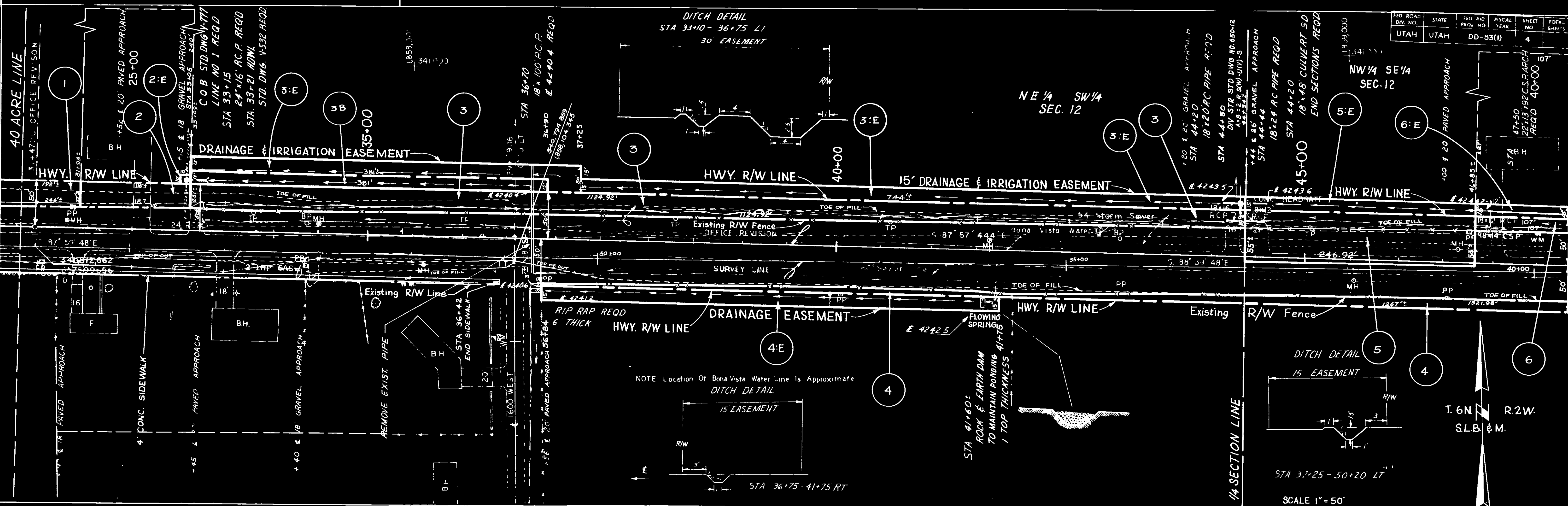


NOTE: Location of Bond's Water Line is Approximate

PARCEL NO.	OWNER	NET AC.	SQ. FT.	OWNERSHIP AC.	REMAINING AC.	
					LEFT	RIGHT
53:1 1:E	JAMES CLIFFORD BLAIR	0.477± 0.062±	20,800	86.700	86.223	NONE

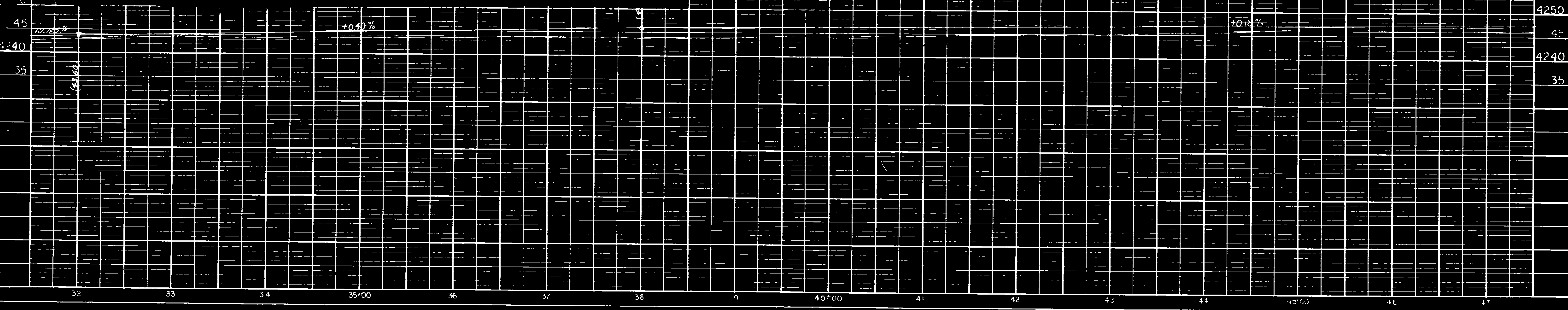
DATE: 11-14-68
 BY: SHELDON BURTON
 SURVEYED: 11-14-68
 PLOTTED: 11-14-68
 NOTE BOOK NO. 17283
 STRUCTURE NOTATION: 1-52

DATE: 11-14-68
 BY: SHELDON BURTON
 SURVEYED: 11-14-68
 PLOTTED: 11-14-68
 NOTE BOOK NO. 17283
 STRUCTURE NOTATION: 1-52

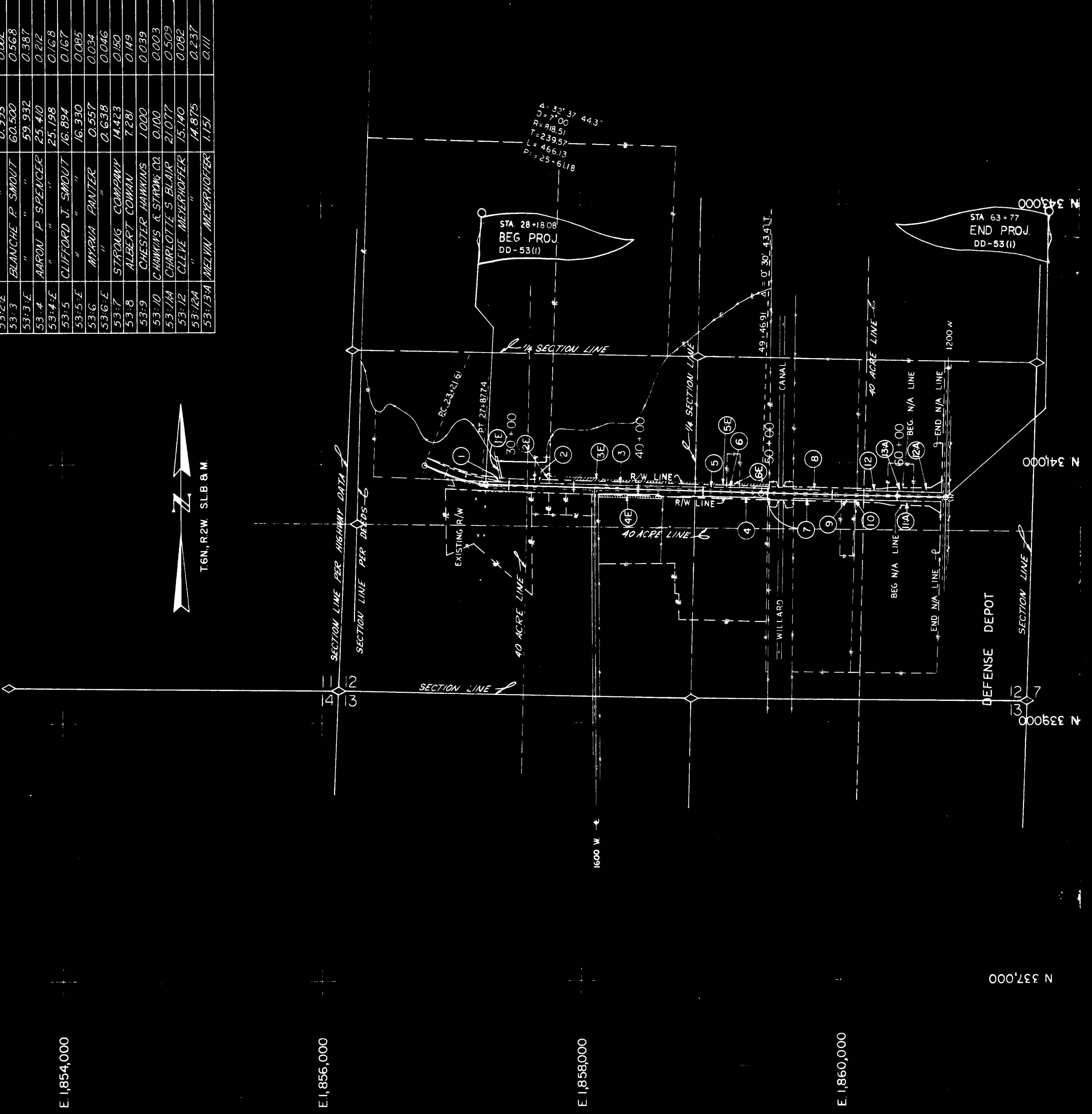


PARCEL NO.	OWNER	NET AC.	SQ. FT.	OWNERSHIP AC.	REMAINING AC.	
					LEFT	RIGHT
53:1	JAMES CLIFFORD BLAIR	0.477±	20,800	96.700	86.223	NONE
2:E	KEITH W. SLATER	0.069±	3,016	0.639	24,824±	NONE
3	KEITH W. SLATER	0.002±				
3:E	BLANCHE P. SMOUT	0.568±	24,748	60.500	59,932	NONE
4		0.399				
4:E	AARON P. SPENCER	0.212±	9,254	25.410±	NONE	25.198
5		0.168±				
5:E	CLIFFORD J. SMOUT	0.167±	7,278	16.894	16,330	NONE
6		0.160±				
6:E	MYRNA PANTER	0.036±	1,552	0.557	22,738±	NONE
3B	BLANCHE P. SMOUT	0.036±				
		0.131±	5,715	59.932	59,801	NONE

DATE	RIGHT OF WAY INSTRUMENTS	
11-14-68	ORIGINAL SUBMISSION FOR R/W AUTH.	
DATE	REV. BY	REVISIONS
7-21-70	B.C.B.	PARCELS AFFECTED: 3:E, 3B REQUEST BY: H.M.P. REMARKS: REVISED AND NEW PARCEL



PARCEL NUMBER	GRANTOR	OWNERSHIP ACREAGE	N.E.T. ACREAGE
53-1	JAMES CLIFFORD BLAKE	86.700	0.203
53-1-E	"	86.497	0.061
53-2	KEITH W. SLATER	1.134	0.141
53-2-E	"	0.993	0.002
53-3	BLANCHE P. SMOUT	60.500	0.568
53-3-E	"	59.932	0.387
53-4	AARON P. SPENCER	25.410	0.212
53-4-E	"	25.198	0.168
53-5	CLIFFORD J. SMOUT	16.894	0.167
53-5-E	"	16.330	0.085
53-6	MYRNA PAUTER	0.557	0.034
53-6-E	"	0.638	0.046
53-7	STRONG COMPANY	14.423	0.150
53-8	ALBERT COWAN	7.281	0.149
53-9	CHESTER HANKINS	1.000	0.039
53-10	CHARLES & STARBUCK CO.	0.100	0.003
53-11A	CHARLOTTE S. BLAIR	21.077	0.509
53-12	CLIVE MEYERHOFFER	15.140	0.082
53-12A	"	14.875	0.237
53-13A	MELVIN MEYERHOFFER	1.151	0.111



UTAH STATE ROAD COMMISSION
TOTAL TRACT MAP
400 NORTH I-15 TO
DEFENSE DEPOT OGDEN
PROJECT NO DD-53(I) SCALE 1"=40'
WEBER COUNTY SEPT
DRAWN BY: MGH

N 345,000

STA 28+18.08
BEG PROJ
DD-53(I)

STA 63+77
END PROJ
DD-53(I)

N 337,000

E 1,854,000

E 1,856,000

E 1,858,000

E 1,860,000

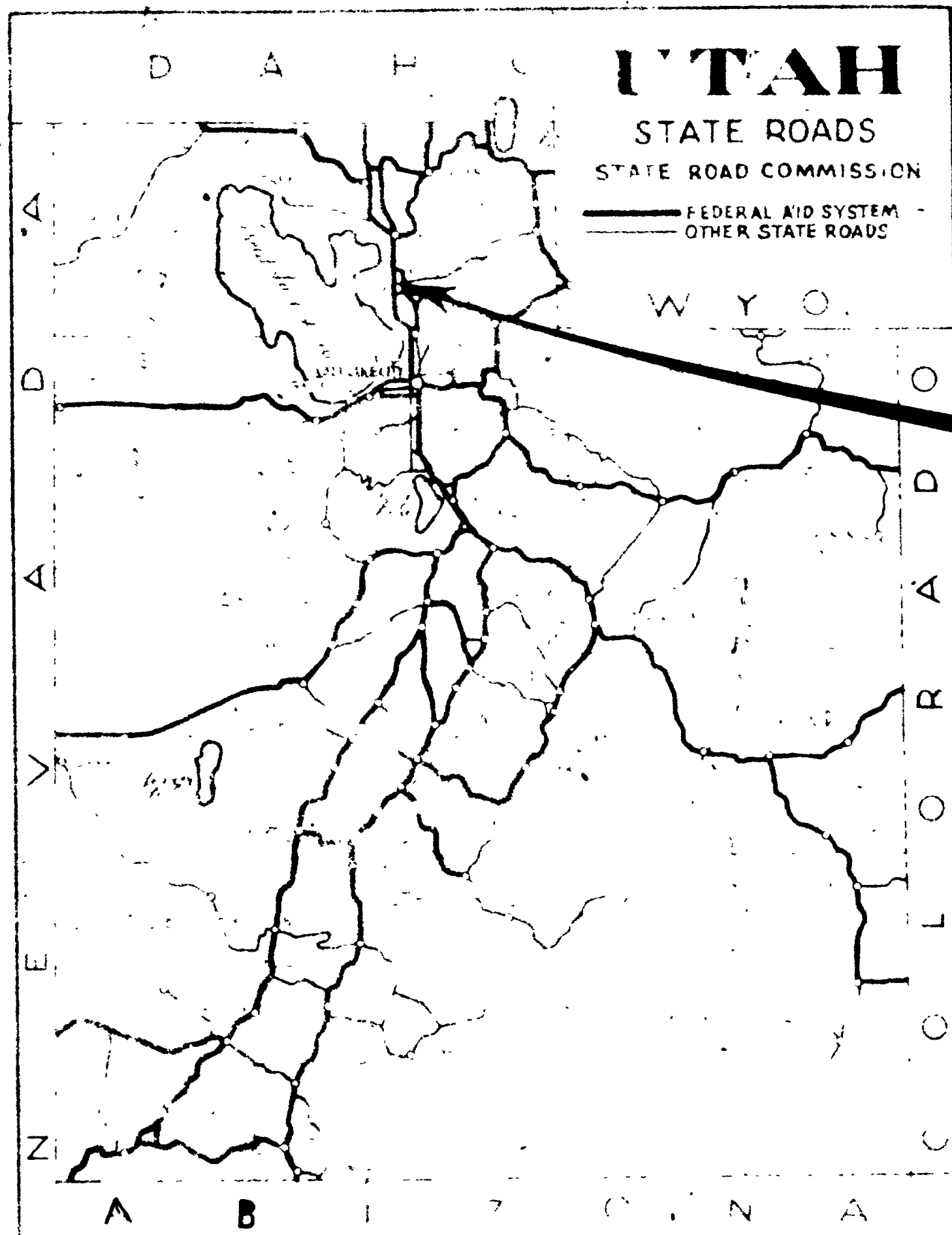
AS CONSTRUCTED PLANS STATE OF UTAH STATE ROAD COMMISSION

PLANS OF PROPOSED STATE ROAD FEDERAL AID PROJECT

DD - 53 (I)
I-15 TO DEFENSE DEPOT OGDEN
LENGTH 0.678 MILES

I-1G-15-8(23)338 9th CONTRACT
1600 WEST ST.
LENGTH 0.263 MILES
WEBER COUNTY

SHERMAN L. BURTON, RESIDENT ENGINEER
FIFE CONSTRUCTION COMPANY, CONTRACTOR
EFFECTIVE DATE 9-22-70



FEDROAD DIST NO	STATE	PROJECT NO	FISCAL YEAR	SHEET NO	TOTAL SHEETS
UTAH	UTAH	DD-53 (1)		1	
UTAH	UTAH	I-1G-15-8(23)338		1	

9th CONTRACT

INDEX TO SHEETS ON DD-53 (1)

SHEET NO	DESCRIPTION	DRAWING NO
1	TITLE SHEET	
2	TYPICAL CROSS SECTION	
3-3B	SUMMARY SHEETS	
4-6	PLAN PROFILE	
7	CHANNELIZATION	
8	SIGNING	
9	STANDARD CLEANOUT & JUNCTION BOXES	V-777
10	STANDARD HEADWALL	V-532

INDEX TO SHEETS ON I-1G-15-8(23)338 9th CONT.

Sheet No	DESCRIPTION	Drawing No
1	TITLE SHEET	
2	TYPICAL CROSS SECTION	
3	SUMMARY SHEETS	
4	PLAN PROFILE	

STANDARD DRAWINGS APPLICABLE THIS PROJ.

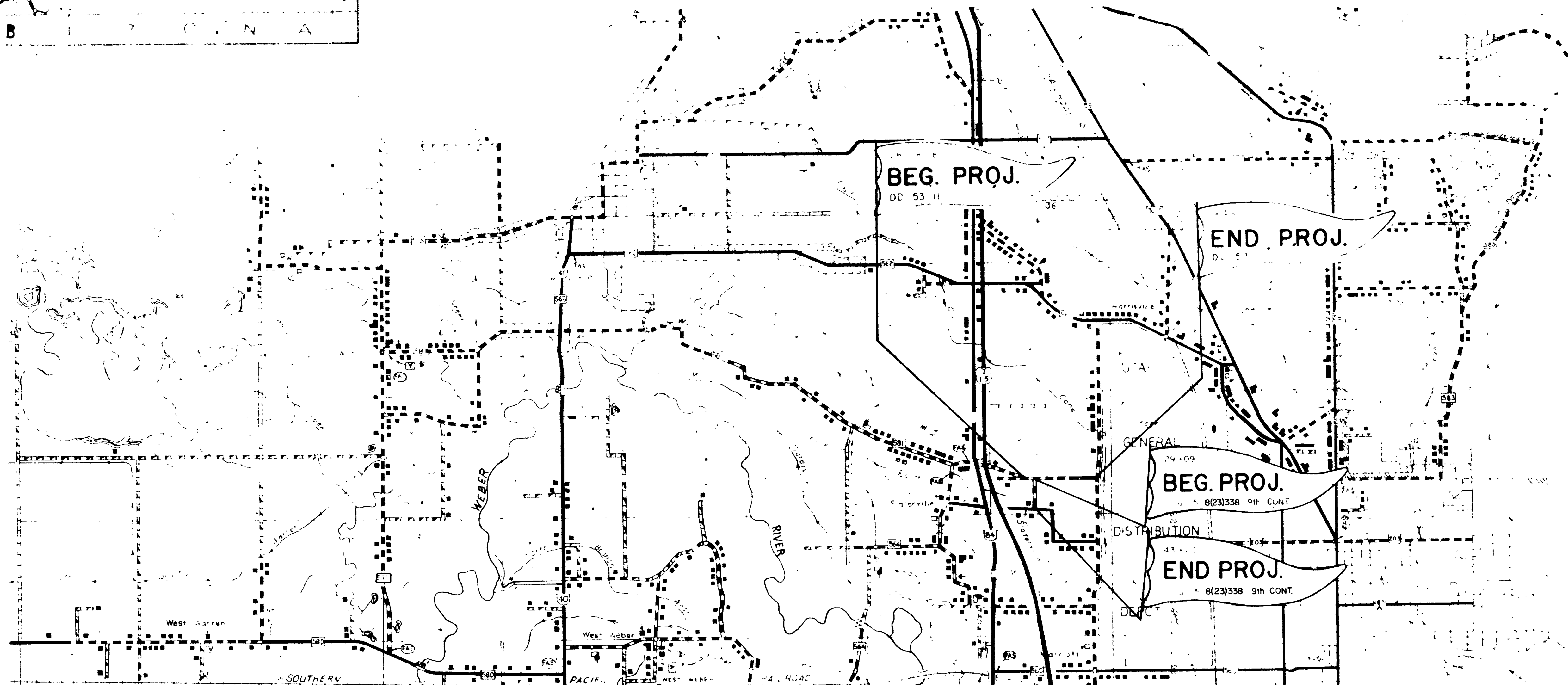
DESCRIPTION	DRAWING NO.
SUPERELEVATION AND WIDENING	805-1A, B
RAISED MEDIAN	86-5
CONSTRUCTION SIGNING	745-1A
CONSTRUCTION SIGNING	745-B, C, D
CONSTRUCTION SIGNING	745-E
CONSTRUCTION IDENTIFICATION	745-6
PROJECT & R/W MARKERS, GUIDE, POST & MAIL BOXES	725-1
DIVERSION BOX	650-1
DIVERSION BOX	650-2, 3
CONCRETE CURB AND GUTTER	618-1
METAL CULVERT END SECTIONS	605-2
REINFORCED CONCRETE CULVERTS	605-20
R/W FENCE & GATES	720-1
METAL CULVERTS	605-1
CHAIN LINK FENCE	720-3
EXIT & ENTRANCE RAMP DELINEATION	726-1
HIGHWAY SIGN STANDARDS INTERSTATE SYSTEM	745-20A
HIGHWAY SIGN STANDARDS INTERSTATE SYSTEM	745-20B
HIGHWAY SIGN STANDARDS INTERSTATE SYSTEM	745-20C
ROUTE MARKERS INTERSTATE SYSTEM	745-30
ROUTE MARKER AUXILIARIES INTERSTATE SYSTEM	745-31
GUIDE SIGN ARROWS (INTERSTATE)	745-40
TYPICAL PAVEMENT MARKINGS (FREEWAY SYSTEMS)	745-41
GROUND MOUNTED SIGNS INSTALLATION DETAILS	745-50A
GROUND MOUNTED SIGNS INSTALLATION DETAILS	745-50B
GROUND MOUNTED SIGNS INSTALLATION DETAILS	745-50C
GROUND MOUNTED SIGNS INSTALLATION DETAILS	745-50D
GROUND MOUNTED SIGNS INSTALLATION DETAILS	745-50E

UTAH STATE DEPARTMENT OF HIGHWAYS
RECOMMENDED FOR APPROVAL JANUARY 1970

CHIEF ROADWAY DESIGN DIVISION
RECOMMENDED FOR APPROVAL JANUARY 1970

ENGINEER FOR PRECONSTRUCTION
APPROVED JANUARY 1970
[Signature]
STATE HIGHWAY ENGINEER

DEPARTMENT OF SUMMER
HIGHWAYS & PUBLIC ROADS
APPROVED
DIVISION ENGINEER DATE

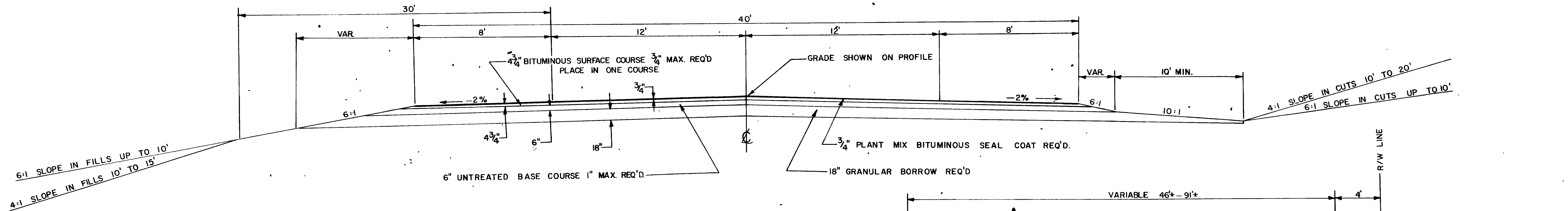


TYPICAL CROSS SECTION

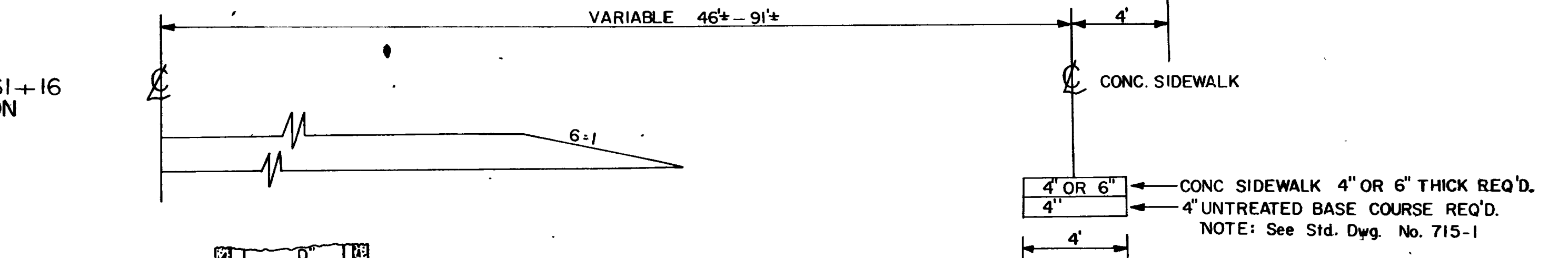
FED. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
UTAH	UTAH	DD-53 (1)		2	

BITUMINOUS MATERIALS
 BITUMINOUS MATERIAL GRADE AC-20 PEN. ASPHALT REQ'D IN MIX
 BITUMINOUS MATERIAL GRADE MC-70 OR MC-250 REQ'D FOR PRIME COAT
~~BITUMINOUS MATERIAL GRADE RC-70 OR RC-250 REQ'D FOR FLUSH COAT & TACK COAT~~
 BITUMINOUS MATERIAL GRADE AC-PM PEN. ASPHALT REQ'D IN SEAL

BITUMINOUS MATERIAL GRADE SS-1 EMULSION (S.A.#1)



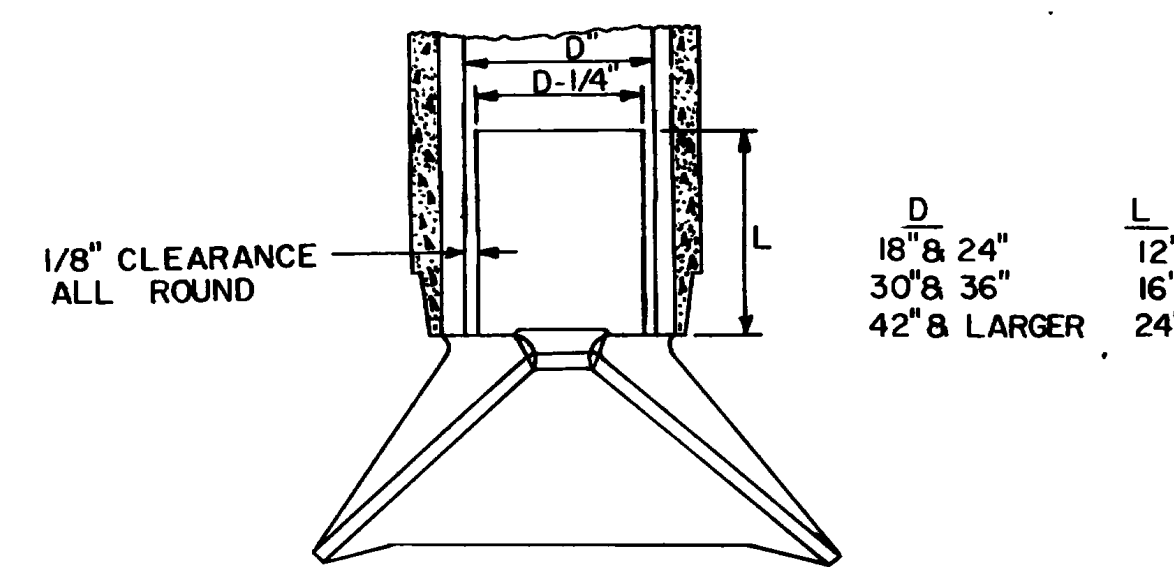
STA. 28+18.08 — STA. 55+16
 TRANSITION & TAPER STA. 55+16 — 61+16
 SEE SHEET #7 FOR CHANNELIZATION



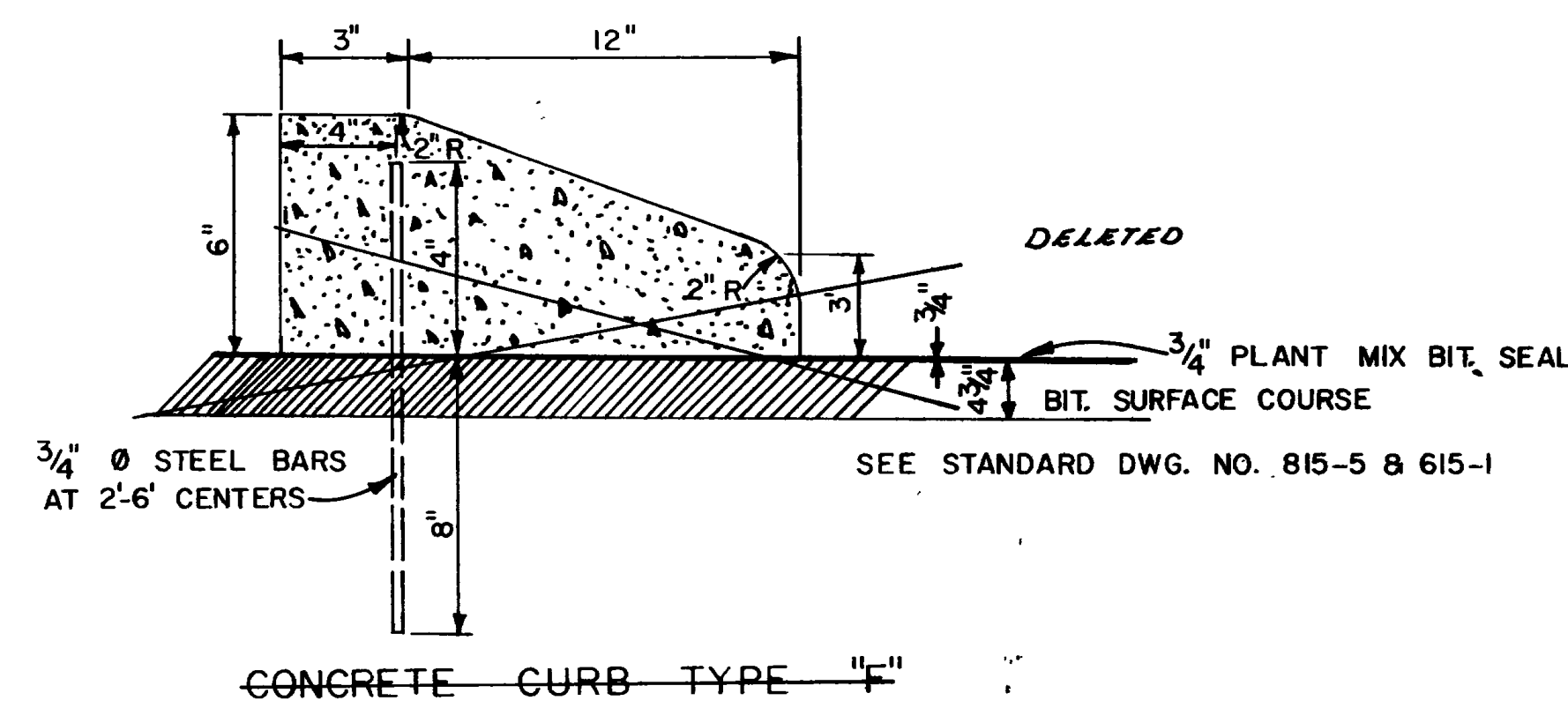
STA. 25+92 — STA. 36+42 RT.

NOTES:

1. SHOP FABRICATE STEEL END SECTION & SLEEVE.
2. SLEEVE TO BE OF 12 GAGE SMOOTH GALVANIZED STEEL IN ACCORDANCE WITH A.A.S.H.O. M-36.
3. WELD SLEEVE TO END SECTION.
4. REPAIR OF DAMAGED SPECTER COATING SHALL BE IN ACCORDANCE WITH A.A.S.H.O. M-36.
5. PRIOR TO INSTALLATION, COAT SLEEVE WITH MINIMUM 1/8" THICKNESS OF ASPHALT COATING IN ACCORDANCE WITH SECTION 702 STANDARD SPECIFICATIONS, EXCEPT ASPHALT COATING TO BE OF BRUSH CONSISTENCY INSTEAD OF SPRAY CONSISTENCY.

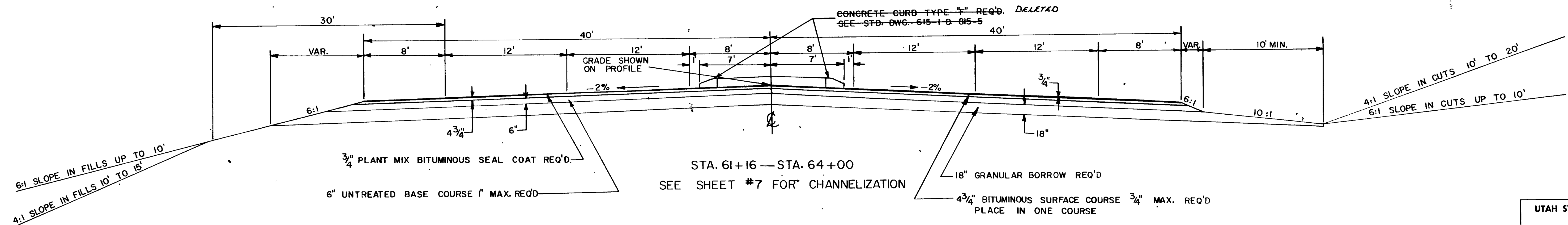


STEEL END SECTION FOR CONCRETE PIPE



SEE STANDARD DWG. NO. 815-5 & 615-1

CONCRETE CURB TYPE 1-1



STA. 61+16 — STA. 64+00
 SEE SHEET #7 FOR CHANNELIZATION

SUPERELEVATE CURVES IN ACCORDANCE WITH STD. DWG. NO. 805-1A & 1B.
 DESIGN SPEED 50 M.P.H.

UTAH STATE ROAD COMMISSION

BITUMINOUS
 SURFACED
 ROADWAY

REVISIONS	BY	DATE

SUMMARY SHEET NO.

UTAH	UTAH	DD-53(I)	3	3
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LIST OF STRUCTURES

STATIONS	IN PLACE	HEIGHT OF FILL	C. S. PIPE		R.C. PIPE	C.S.P. ARCH	CULVERT	END SECTIONS		RIP	SMALL DITCH	EXC. FOR EXC. STR.	BACK FILL	CLASS "A" REINF. STR.	LINE NO.	CONSTRUCTION SOURCE REFERENCE	REMARKS
			12"	24"				18"	24"								
29+22 29+22 29+73 33+06		2	8														RT. END SECTIONS REQ'D.
33+24-33+96 33+10-50+00																	LT. CATCH BASIN
33+15		1			16.0												LT.
33+21																	S.D. LT.
33+21-36+70																	LT. HEADWALL
36+70		3			96												EXTEND LT.
36+84-41+70																	RT.
37+03 33+70																	RT.
41+71 41+60																	RT.
34+81-32+05 33+36-33+60																	S.D. LT. IRRIG.
44+20		1			24.0												S.D. LT.
44+20	DELETED																SD. END SECTIONS REQ'D. DIVERSION STRUCTURE LT. R-S(W)-UVI-S 20x2
44+30																	S.D. LT.
44+44		1			24.0												S.D. LT. IRRIG.
34+34-34+30 46+81 47+60-47+87					16.0												IRRIG.
49+96 50+05 49+96 50+05 49+96 50+05 49+96 50+05 50+22		2			88.0												DIVERSION STRUCTURE LT S-UVI-UVI-R. YYY
52+08	DELETED																RT. CATCH BASIN
		1			38.0												EXTEND S.D. RT.
TOTAL			72.0	38.0	160.0	104.0	181.0	0.0		4.18	337.0	166.2	158.0	5.470	619	1125	
USE			72.0	38.0	160.0	104.0	181.0	0.0		4.18	337.0	166.2	158.0	5.470	619	1125	

SUMMARY OF ITEMS

ITEM	UNIT	QUANTITY	ITEM	UNIT	QUANTITY
MOBILIZATION	LUMP	100%	PLANT MIX BIT SEAL COAT	TON	801.0
FLAGGING	MN. HR.	305.0	BIT MATERIAL GRADE AC-PM	CU. YD.	50.82
ROADWAY EXCAVATION	CU. YD.	7900	36" STOP TYPE C-2 SIGN	EACH	3.0
EXCAVATION FOR STRUCTURES	CU. YD.	172.2	30" x 30" TYPE C-2 SIGN	EACH	2.0
BACKFILL	CU. YD.	158.0	24" x 30" TYPE C-2 SIGN	EACH	3
COMPACTION	CU. YD.	8438	96" x 32" TYPE C-2 SIGN	EACH	4.000
WATERING	M. GAL.	903.0	AUXILIARY TYPE C-2 SIGN	SQ. FT.	0.00
RIGHT OF WAY FENCE TYPE "B" (METAL POSTS)	LIN. FT.	5273	J.A. NO. 1 BITUMINOUS MATERIAL TYPE SS-1 EMULSION	TQN	6.25
10' GATES	EACH	4			
12' GATES	EACH	2			
16' GATES	EACH	7			
12" C.S. PIPE	LIN. FT.	72.0			
24" C.S. PIPE	LIN. FT.	38.0			
18" R.C. PIPE	LIN. FT.	144			
24" R.C. PIPE	LIN. FT.	120			
18" PIPE CULVERT	LIN. FT.	68			
18" PIPE CULVERT END SECTIONS	EACH	2			
22" x 13" C.S.P. ARCH END SECTIONS	EACH	1			
UNTREATED BASE COURSE 1" MAX.	TON	8044.3			
BIT. SURFACE COURSE 3/4" MAX.	TON	5300.9			
BIT. MATERIAL, GRADE MC-70 OR MC-250	TON	33.27			
BIT. MATERIAL, GRADE RC-70 OR RC-250	TON	0			
BIT. MATERIAL, GRADE AC-20 PEN ASPHALT	TON	278.97			
SMALL DITCH EXCAVATION	CU. YD.	337.0			
CONC. CURB TYPE "F"	LIN. FT.	0.0			
MOVING & RESETTING FENCE	LIN. FT.	770			
R/W MARKERS	EACH	15			
DELINEATORS	EACH	1			
MOVING MAIL BOXES	EACH	4			
MOVING STREET SIGNS	EACH	2			
CONC. MEDIAN FILLER (4" THICK)	SQ. YD.	99			
REINFORCING STEEL	LB	619			
STRUCTURAL STEEL	LB	1125			
PC CONCRETE, CLASS "A" (AE) (SMALL STRUCTURES)	CU. YD.	5.470			
RECONST. CLEAN-OUT, MANHOLE, MON. BOX	EACH	8.000			
LOOSE RIPRAP	CU. YD.	14			
GRANULAR BORROW	TON	4.18			
HIGHWAY TRAFFIC PAINT	GAL.	27,289.0			
CONCRETE SIDEWALK 4" THICK	SQ. YD.	25,600			
REMOVAL OF CONCRETE PAVEMENT	SQ. YD.	30.1			
22" x 13" C.S.P. ARCH	LIN. FT.	416.2			
CONCRETE PAVEMENT OR CONCRETE SIDEWALK 6" THICK	SQ. YD.	380			

NOTE:
 QUANTITIES SHOWN ON THESE PLANS ARE FOR ESTIMATING PURPOSES ONLY.

I HEREBY CERTIFY THAT THE QUANTITIES SHOWN HERE ARE TRUE AND CORRECT.

Sherman L. Burton
 SHERMAN L. BURTON
 RESIDENT ENGINEER

SUMMARY SHEET NO.

SURFACING																																												
BITUMINOUS SURFACE COURSE					GRAVEL MATERIAL GRAVEL SURFACE COURSE					UNTREATED BASE COURSE					GRADE AC-20					GRADE AC-PM																								
STA	TO STA	PLANT SEAL	MIX COAT	BIT.	TON	AVG WID	DEPTH	TON	AVG WID	DEPTH	TON	AVG WID	DEPTH	TON	AVG WID	DEPTH	TON	AVG WID	DEPTH																									
28+18	- 55+16	2698	42	3958	3,319							47	.5	4,438.0	59	1.5	16,714.0	5%	166	42	38	40	4.8	44	15.9																			
55+16	- 61+16	600	62	3958	1,082							67	.5	1,407.0	79	1.5	4,977.0	5%	54	62	12	60	1.6	64	5.1																			
61+16	- 63+61	245	82	3958	588							87	.5	746	99	1.5	2,547.0	5%	29	82	7	80	0.8	84	2.8																			
RAISED MEDIAN										59.0																																		
APPROACHES										318.0					2.0																													
36+75 - 40+70 DITCH ON RT.															370																													
INTERSECTION					36					6					43					129					15					0					0.0					0.2				
TOTAL					5,074					813					77H					26677					266					57					72					249				
As Constructed Quantity					5,300.9					801.0					804.3					27,204.0					272.97					50.82					33.27									
USE					6,360					860					7750					25,600					270					60					25.0									

FENCE & GATES									
STA TO STA	TYPE 'B' METAL POST		GATES			CONSTRUCTION SOURCE REFERENCE			
	LEFT LIN. FT.	RIGHT LIN. FT.	10' EACH	12' EACH	16' EACH	FIELD BOOK	PAGE		
23+51 - 29+20	558		SALVAGE & RESET			5	3		
21+02 - 29+52.04	770					"	4		
33+08 - 46+82	1320					"	4		
33+10 - 47+10	1100					"	4		
33+16			1-LT.			"	4		
36+97 - 50+12		1299				"	5		
36+90 - 49+08		1248				"	5		
44+20			1-LT.			"	4		
44+44			2-LT.			"	4		
44+60 - 46+96	235		Included in page #4						
47+89 - 50+12	224					"	7		
47+35 - 50+10	215					"	7		
49+10			1-RT.			"	5		
49+16						"	5		
49+20 - 50+12		94	Included in page #5						
52+06			1-RT.			"	9		
51+04.03			2-LT.			"	10		
51+84 - 55+44	336					"	9		
51+16 - 55+44	440					"	9		
51+93 - 53+88	178					"	10		
52+10 - 53+10	160					"	10		
54+00			2-LT.			"	11		
54+94						"	11		
53+88 - 58+77	461					"	11		
54+10 - 58+77	465					"	11		
55+54			1-RT.			"	9		
55+59						"	9		
56+83 - 58+98		210				"	12		
56+05 - 58+08		202				"	12		
58+77 - 59+50	59					"	13		
58+05 - 59+50	53					"	13		
58+10			1-LT.			"	13		
59+00			1-RT.			"	12		
58+92						"	12		
58+50 - 63+42	322					"	14		
58+50 - 63+40	324					"	14		
59+00 - 63+40		455				"	15		
59+08 - 63+39		258				"	15		
63+22.07						"	16		
TOTAL	3,042	2,304	4	2	7				
USE	2,771	2,502	4	2	7				

MISCELLANEOUS SUMMARY				
ITEM	UNIT	QUANTITY	CONSTRUCTION SOURCE REFERENCE	
MOBILIZATION	LUMP	100%	5	46
FLAGGING	MN HRS	305.0	"	47
R/W MARKERS	EACH	16.0	"	40
MOVING MAIL BOXES	EACH	3.0	"	60
MOVING STREET SIGNS	EACH	1.0	"	61
RECONC. CLEANING, MANHOLES	EACH	8.0	"	63-64
MON. BOXES & WATER METERS	EACH	14	"	63-64
CONC. PAVEMENT OR CONCRETE	SQ. YD.	416.2	"	41
SIDEWALK 4" THICK	SQ. YD.	16.7	"	44
CONC. PAVEMENT ON CONCRETE	SQ. YD.	16.7	"	44
SIDEWALK 6" THICK	SQ. YD.	16.7	"	44
MOVING & RESETTING FENCE	LINE FT.	558	"	3
S.A. #1 55-1 EMULSION	TON	6.25	"	3

EARTHWORK SUMMARY						
STA TO STA	EMB FACTOR	EMB		EXC		CONSTRUCTION SOURCE REFERENCE
		CU YDS	CU YDS	CU YDS	CU YDS	
28+18 - 64+33	1.20	1,379	6,924		5,228	5 48
AS CONSTRUCTED QUANTITY			7,680			
USE			7,680			

HIGHWAY TRAFFIC PAINT							
APPLICATION	TYPE OF STRIPING	FOR ESTIMATING PURPOSES ONLY		WHITE		YELLOW	
		GAL PER MILE	MILE	GAL	MILE	GAL	MILE
AS CONSTRUCTED QUANTITY	1" SOLID WHITE LINE	16	6.0	17			
	4" SOLID WHITE LINE	6			6.8	25.1	
	SOLID YELLOW						5.0
	4" SOLID YELLOW LINE	16					
SUB TOTAL				217		25.1	5.0
TOTAL						248	30.1
USE							30.1 GALS

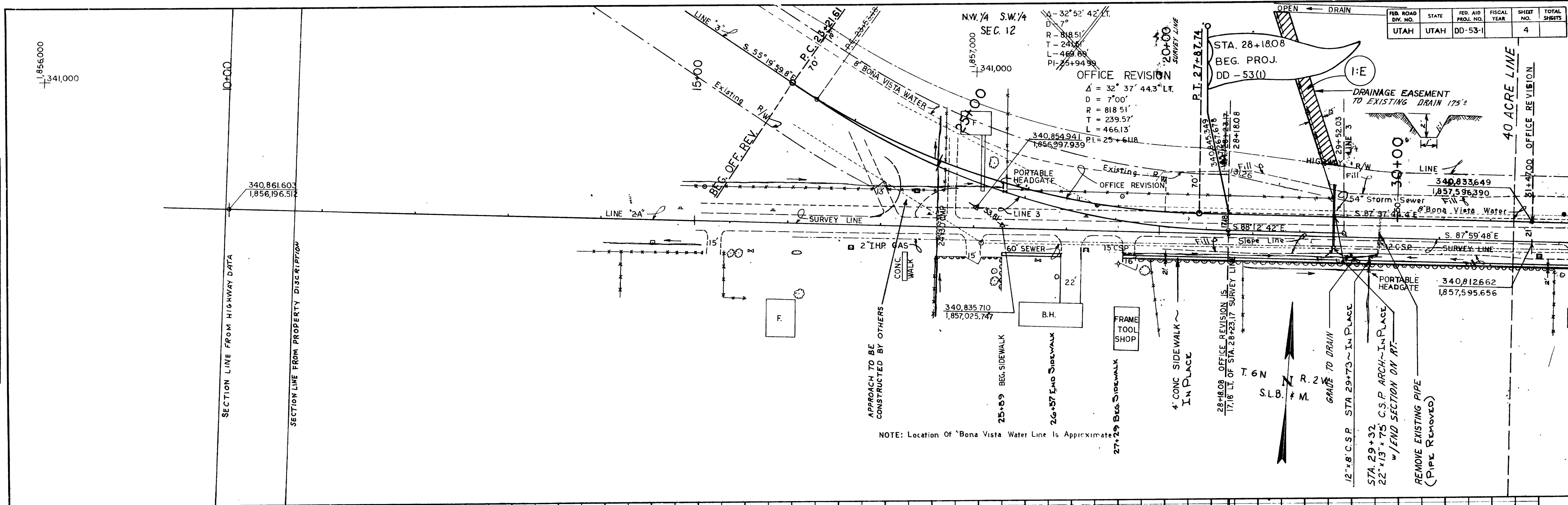
WATERING, ROLLING & COMPACTION			
WATERING			CONSTRUCTION SOURCE REFERENCE
STA	TO STA	AMOUNT	FIELD BOOK PAGE
2+980	F (31,206 x 0.54)	496 M-GAL	
	USE	496 M-GAL	
AS CONSTRUCTED QUANTITY 903.0 M-GAL			5 54
COMPACTION			CONSTRUCTION SOURCE REFERENCE
	EMBANKMENT	1745	5 49
	PRE-COMPACTION	673	" "
TOTAL		8458	" "
USE		8458	" "

STA	TO STA	CONC MEDIAN FILLER SQ. YD.	CONC CURB TYPE 'F' LIN. FT.	REMOVAL OF CONCRETE DRIVEWAYS SQ. YD.	CONSTRUCTION SOURCE REFERENCE
63+77	63+76	848	5096		
32+50	42+60			92.9	5 39
33+40	47+40			37.0	" "
47+06	55+01			10.0	" "
55+97				25.6	" "
TOTAL		848	5096	165.5	" "
USE		90	510	165.5	" "

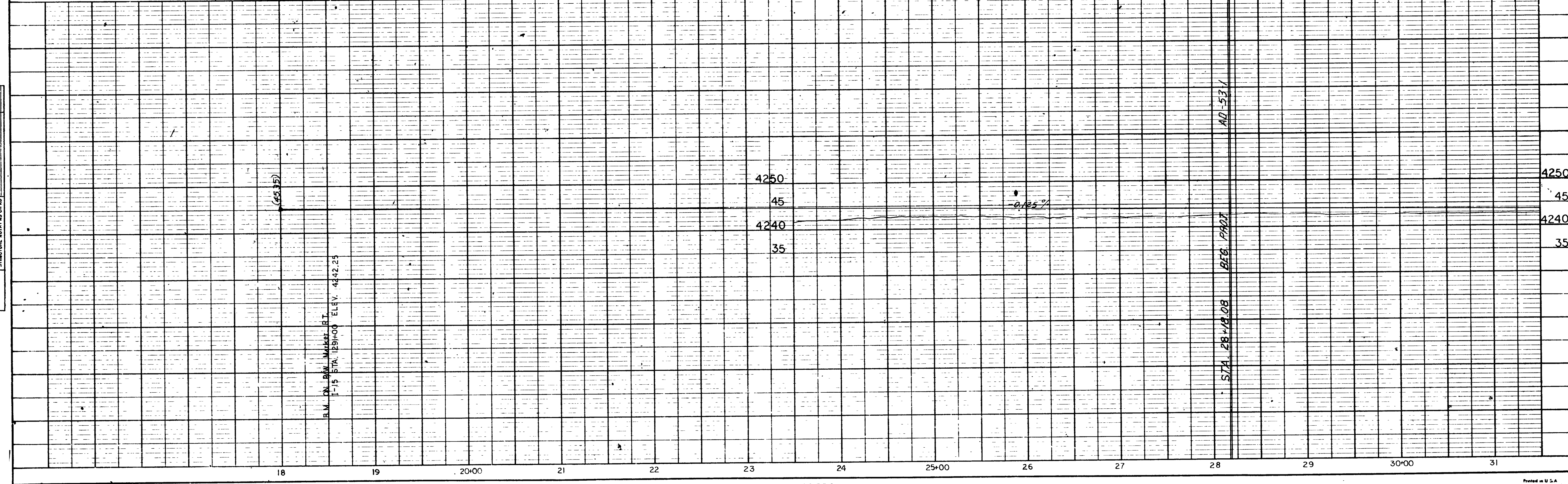
FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
UTAH	UTAH	DD-53-1		4	

PLAN	DATE
SURVEYED BY SHERMAN BURTON NOTE BOOK NO. 172.88 ALIGNED BY SHERMAN BURTON TRACED BY SHERMAN BURTON	3-58 4-58

PROFILE	DATE
SURVEYED BY SHERMAN BURTON NOTE BOOK NO. 172.88 GRADES CHECKED SHERMAN BURTON STRUCTURE RATINGS CHECKED	3-58 4-58



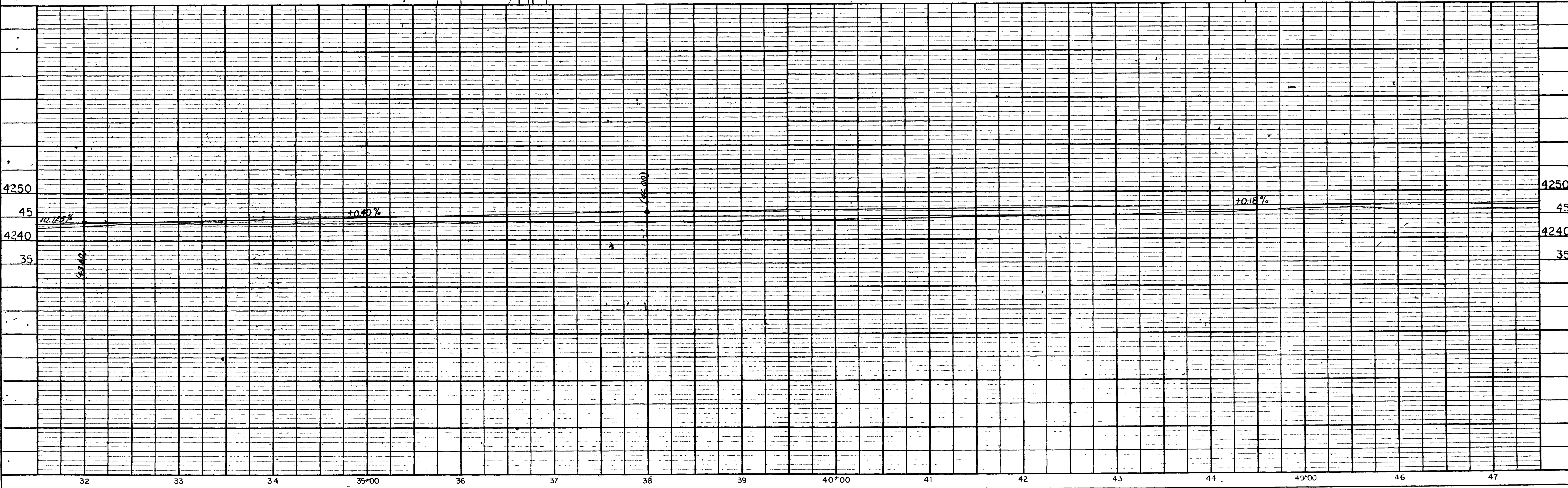
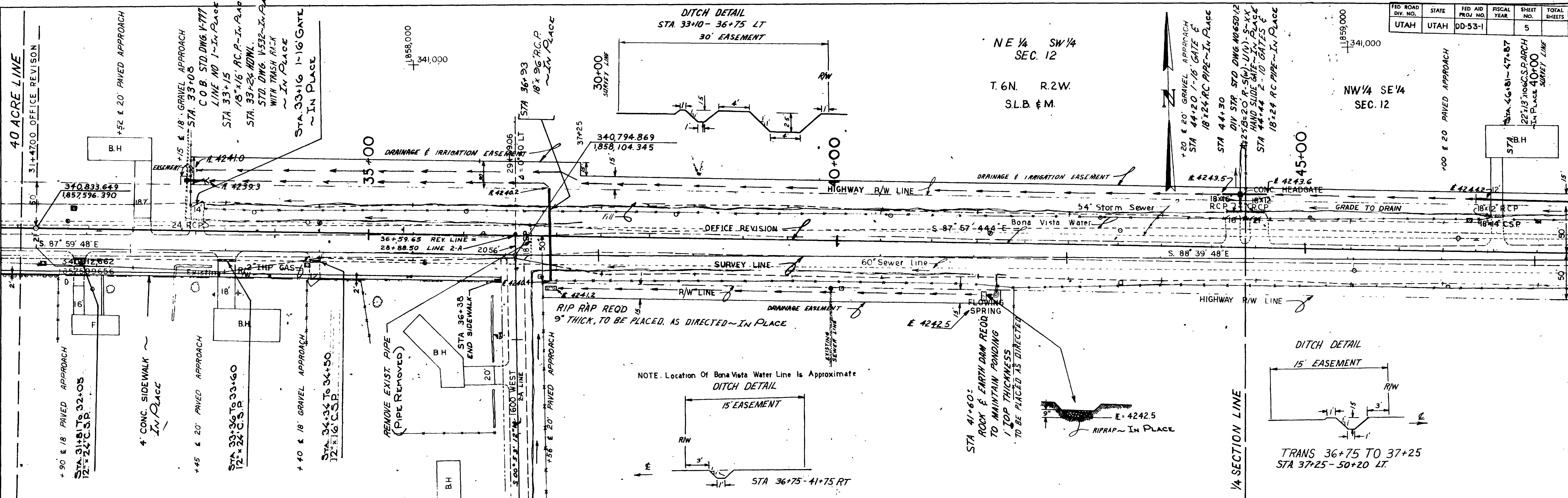
NOTE: Location Of Bona Vista Water Line Is Approximate



DATE	3-58
BY	SHERMAN BURTON
PROJECT	SHERMAN BURTON
NO.	12288
REVISION	SR WINTER BOTTOM 1-58

DATE	3-58
BY	SHERMAN BURTON
PROJECT	SHERMAN BURTON
NO.	12288
REVISION	STRUCTURE NOTATION GIVEN

FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
UTAH	UTAH	DD-53-1		5	



FED ROAD DIV. NO.	STATE	FED AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
UTAH	UTAH	DD-53(1)		6	

PLAN	DATE
SURVEYED BY: SHEPHERD BURTON PLOTTED BY: S.F. WINTERBOTTOM NO. 172288	3-68
NOTE BOOK NO. 172288	
ALIGNED CHECKED BY: S.F. WINTERBOTTOM	
STRUCTURE NOTATION: 4-68	

PROFILE	DATE
SURVEYED BY: SHEPHERD BURTON PLOTTED BY: S.F. WINTERBOTTOM NO. 172288	3-68
NOTE BOOK NO. 172288	
ALIGNED CHECKED BY: S.F. WINTERBOTTOM	
STRUCTURE NOTATION: 4-68	

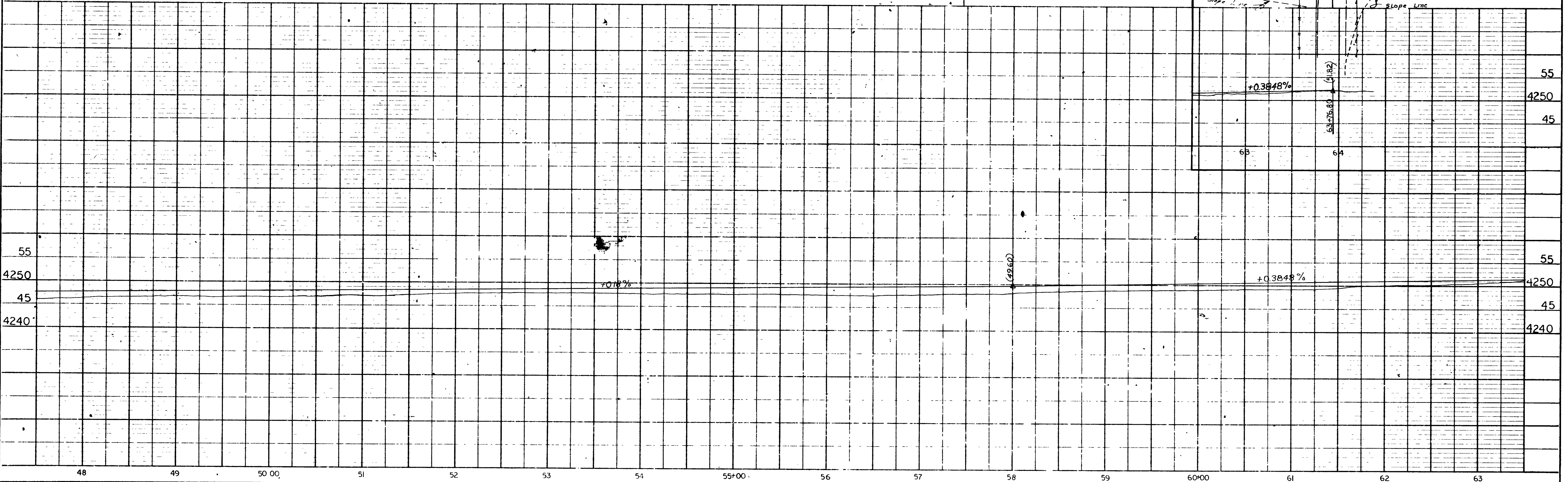
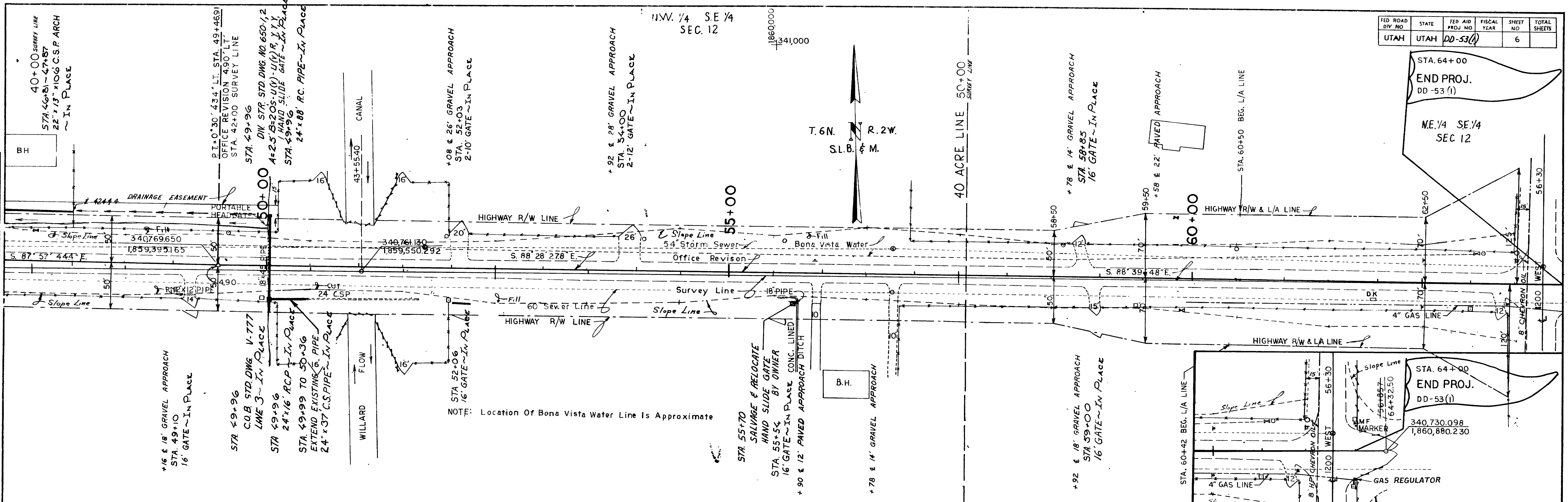
N.W. 1/4 S.E. 1/4
SEC. 12

1860000
341,000

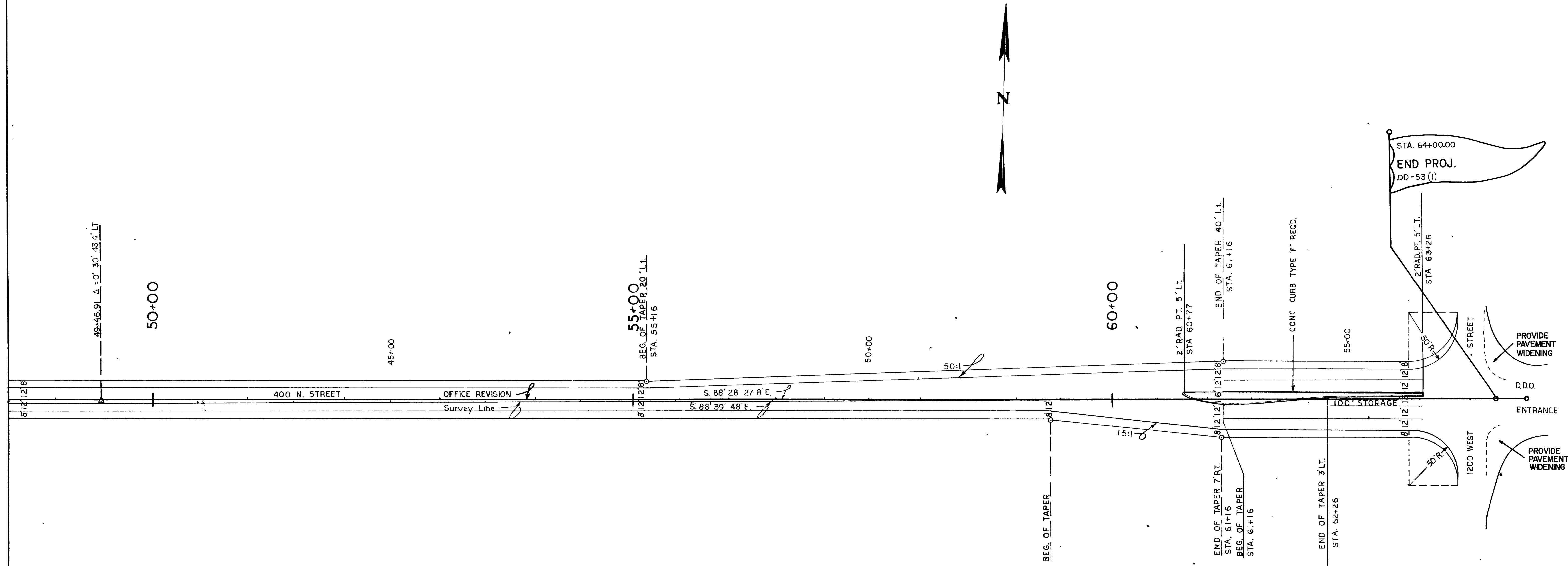
T.6N. R.2W.
S.L.B. & M.

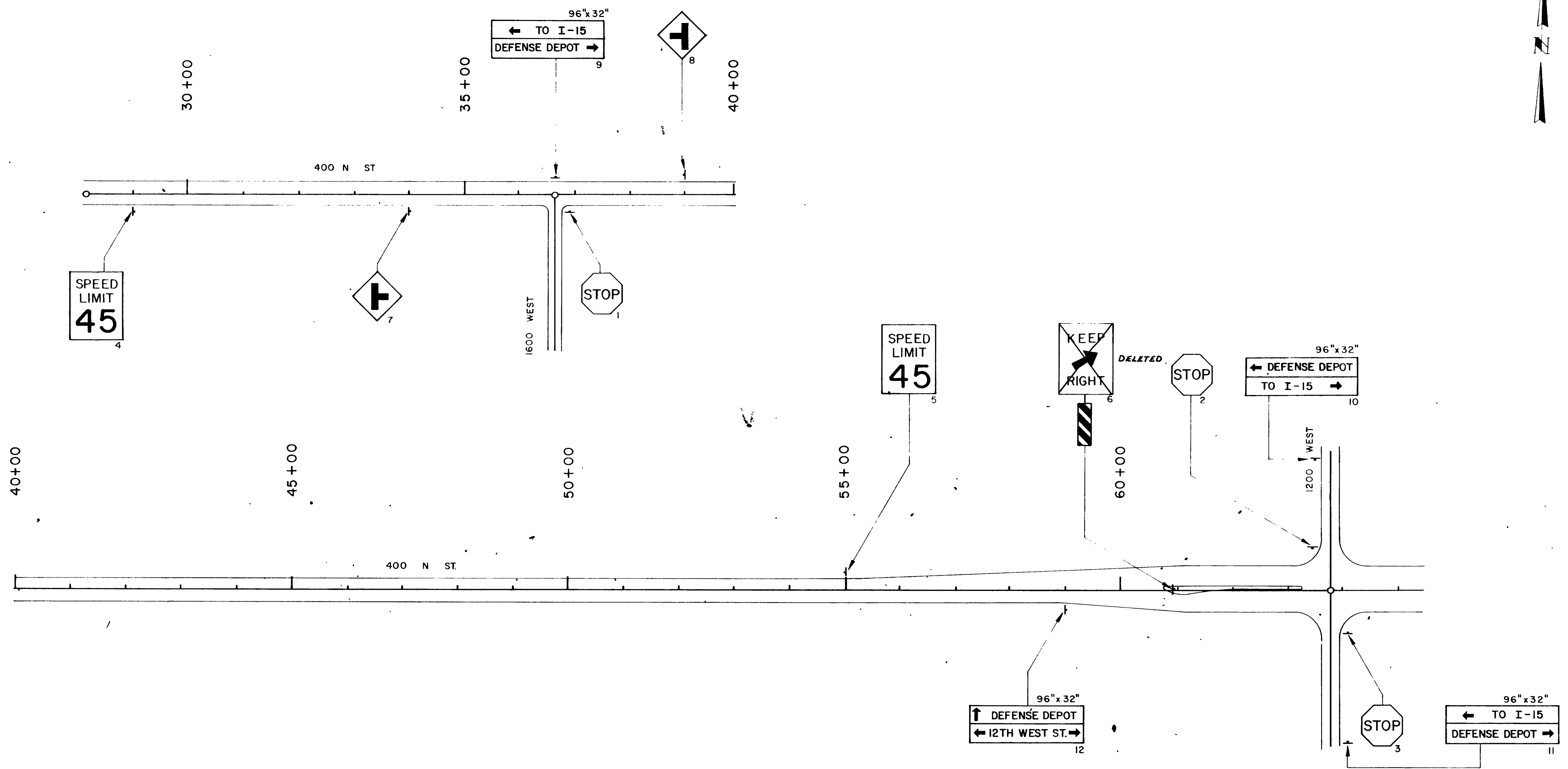
STA. 64+00
END PROJ.
DD-53(1)
NE 1/4 SE 1/4
SEC 12

STA. 64+00
END PROJ.
DD-53(1)
340,730.098
1,860,880.230



REVISIONS	DATE	BY





TYPICAL CROSS SECTION

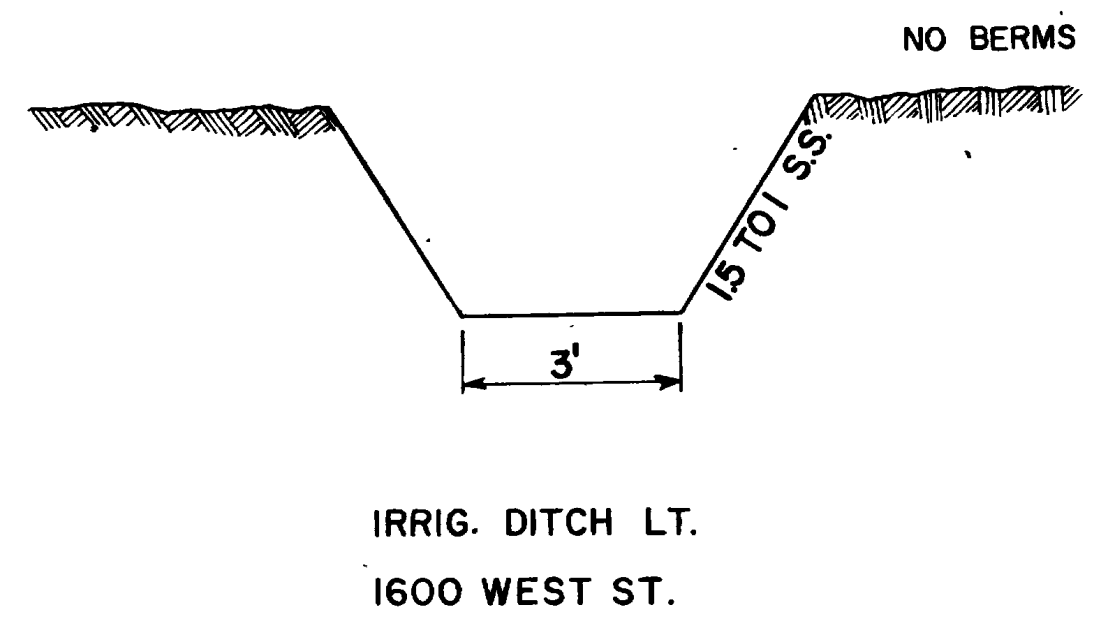
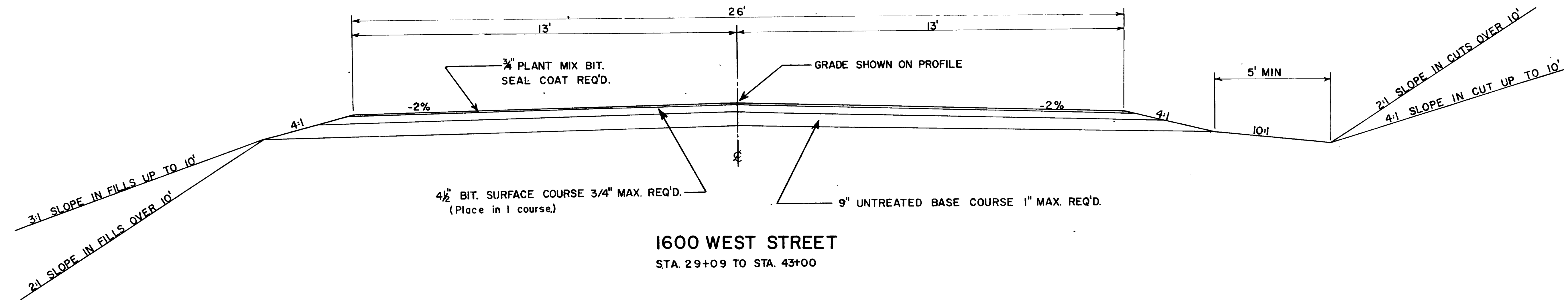
FED. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
UTAH	UTAH	1-16-15-8(23)338		2	

9TH CONTRACT

BITUMINOUS MATERIALS

BITUMINOUS MATERIAL GRADE AC-20 PEN ASPHALT REQ'D. IN MIX
 BITUMINOUS MATERIAL GRADE MC-70 OR MC-250 REQ'D. FOR PRIME COAT
~~BITUMINOUS MATERIAL GRADE RC-70 OR RC-250 REQ'D. FOR FLUSH COAT & TACK COAT~~
 BITUMINOUS MATERIAL GRADE AC-PM PEN. ASPHALT REQ'D. IN SEAL

BITUMINOUS MATERIAL GRADE, SS-1 EMULSION (S.A. #1)



UTAH STATE ROAD COMMISSION
SALT LAKE CITY UTAH

BITUMINOUS
SURFACED
ROADWAY

DESIGN SPEED 25 M.P.H.

REVISIONS	DATE	BY

SUMMARY SHEET

REVISED 1-14-70

I-16-15-8(2)338
9TH CONTRACT

STATION	IN PLACE	HT OF FILL	CONC SEWER PIPE		RC P		PIPE CULV		C.M.P.	STEEL PIPE		GRAN. BACK FILL	END SECT.	SMALL DITCH	STR. EXC.	BACK FILL	CLASS "A" CONC. (AE)	REINF. STR. CONC.	STR. STEEL	LINE NO.	DWG. NO.	CONSTRUCTION SOURCE REFERENCE	REMARKS
			6"	18"	18"	12"	3/4"	12"		3/4"													
"AS CONSTRUCTED"																							
29+35 TO 34+45																						4 4	SMALL DITCH REQ'D BOT 15 TO I.S.S. REMOVE & RESET
31+02		2'																				4 7	EXTEND EXISTING PIPE REMOVE EXISTING PIPE MATCH EXISTING FLOWLINE
34+45 TO 35+09	130' CULVERT	2'																				4 10	REMOVE EXISTING PIPE MATCH EXISTING FLOWLINE
36+05 TO 36+80	18" x 16' CONCRTE PIPE	2'																				4 13	SMALL DITCH REQ'D BOT 15 TO I.S.S.
36+80 TO 37+02		2'																				4 16	REMOVED EXISTING PIPE
37+02																						4 19	C.O.B. REQ'D
37+04 TO 39+34	24" x 30' CONCRETE PIPE	2'																				4 22	MATCH EXISTING FLOWLINE
39+36	"NOT REQUIRED"																					4 25	REMOVED EXISTING PIPE
39+36 TO 42+56	24' CULVERT	2'																				4 28	C.O.B. REQ'D
42+58 TO 42+75																						4 32	REMOVED EXIST. PIPE
42+75																						4 35	EXTEND INTO RCP
42+75																						4 38	WLLI MOD. & BOX REQ'D
42+75																						4 42	FLASH BACK RCP DELETED HEADWALL DELETED
42+75																						4 52	C.O.B. REQ'D
42+75																						4 57	C.O.B. REQ'D
TOTAL																							
USE																							

STATION	STATION	R/W MARKERS		CONSTRUCTION SOURCE REFERENCE	
		LT.	RT.	FIELD BOOK	PAGE
29+40					
36+00					
42+72					
DELETED 6 20					
TOTAL		3	3		
USE				50'	

STATION	STATION	R/W FENCE TYPE "B"		CONSTRUCTION SOURCE REFERENCE	
		HT	HT	FIELD BOOK	PAGE
29+34	34+75	520			
29+40	34+60	504		6	3
TOTAL		520			
USE		504			

HIGHWAY TRAFFIC PAINT			STD. DRWG. NO. 745 41	
APPLICATION	FOR ESTIMATING PURPOSES ONLY	4" SKIP WHITE		
TYPE OF STRIPING	GAL PER MILE	MILE	GAL.	
4" SKIP WHITE LINE	6	26	1.6	
TOTAL		26	1.6	
USE			1.6	

STATION	STATION	R/W GATES				CONSTRUCTION SOURCE REFERENCE	
		14'	16'	14'	16'	FIELD BOOK	PAGE
34+58	34+54					6	3
TOTAL							
USE							

STATION	STATION	6' CHAIN LINK FENCE TYPE II		CONSTRUCTION SOURCE REFERENCE	
		LT.	RT.	FIELD BOOK	PAGE
37+08	42+38.6	520.6		6	4
TOTAL		520.6			
USE		540			

"AS CONSTRUCTED" QUANTITIES SUMMARY OF ITEMS			
NAME	UNIT	QUANTITY	
MOBILIZATION	LUMP	100%	
FLAGGING	HOUR	480 8.0	
ROADWAY EXCAVATION	CU YD	450 677	
EXCAVATION FOR STRUCTURES	CU YD	200 117.0	
BACKFILL	CU YD	120 806	
COMPACTION	CU YD	1,323	
WATERING	M.GAL	35 49.0	
R/W FENCE, TYPE "B" (METAL POSTS)	LIN FT.	594 520	
16' R/W GATES	EACH	1.0	
6' CHAIN LINK FENCE TYPE II	LIN FT.	520.6	
6" CONCRETE SEWER PIPE (EXTRA STRENGTH)	LIN FT.	4 0.0	
18" REINFORCED CONCRETE PIPE	LIN FT.	766	
12" CORRUGATED METAL PIPE	LIN FT.	22 16.0	
18" PIPE CULVERT	LIN FT.	4.0	
3/4" GALV IRON PIPE	LIN FT.	6 12.5	
18" METAL END SECTION	EACH	1.00	
6' CHAIN LINK 10' GATES	EACH	2.000	
UNDERDRAIN GRANULAR BACKFILL	CU YD	293.1	
UNTREATED BASE COURSE 1" MAX	TON	2,650	
BITUMINOUS MATERIAL GRADE MC-70 OR MC-250	TON	5 6.62	
BITUMINOUS MATERIAL GRADE RC-70 OR RC-250	TON	2 0.00	
BITUMINOUS SURFACE COURSE 3/4" MAX.	TON	1,144.7	
PLANT MIX BITUMINOUS SEAL COAT	TON	172.5	
BITUMINOUS MATERIAL GRADE AC-20	TON	70.44	
PENETRATION ASPHALT	TON	272.5	
SMALL DITCH EXCAVATION	CU YD	390	
DELINEATORS	EACH	+ 0.0	
R/W MARKERS	EACH	6 0.00	
MOVING MAIL BOXES	EACH	7 1.0	
RECONST. C.O.B. MANHOLE & MON. BOX	EACH	4 1.00	
MODIFICATION OF EXISTING WELL	LUMP	+ 100%	
HIGHWAY TRAFFIC PAINT	GAL.	2 1.6	
REINFORCING STEEL	LB.	764	
STRUCTURAL STEEL	LB.	2370	
CONCRETE CLASS "A" (AE) (SMALL STRUCTURES)	CU YD	6 2.5	
BIT MATERIAL GRADE AC-PM	CU YD	10.92	
S.A. #1	TON	2.00	
BITUMINOUS MATERIAL GRADE SS-1 EMULSION	TON	2.00	

I CERTIFY THAT THE QUANTITIES SHOWN ARE TRUE AND CORRECT.

Sherman J. Burton
SHERMAN J. BURTON
RESIDENT ENGINEER

EARTHWORK QUANTITIES					
STATION TO STATION	EMBANKMENT	EXCAVATION	BORROW	CONSTRUCTION SOURCE REFERENCE	
				FIELD BOOK	PAGE
29+09 TO 43+00		677		6	8
TOTAL		677			
USE		677			

"AS CONSTRUCTED" MISCELLANEOUS			
NAME	UNIT	QUANTITY	
MOBILIZATION	LUMP	100%	
FLAGGING	HOUR	480 8.0	
6' CHAIN LINK 10' GATES	EACH	2.0	
DELINEATORS	EACH	+ 0.0	
MOVING MAILBOXES	EACH	7 1.0	
RECONST. C.O.B. MANHOLE & MON. BOX	EACH	4 1.0	
MODIFICATION OF EXISTING WELL	LUMP	+ 100%	
S.A. #1 BITUMINOUS MATERIAL GRADE SS-1 EMULSION	TON	2.0	

WATERING	
2,373.39 TONS = 1,255.8 CU YD.	
1,255.8 = 31.4	
USE 35-M GAL	
AS CONSTRUCTED 49.0 M.GALS.	6 12

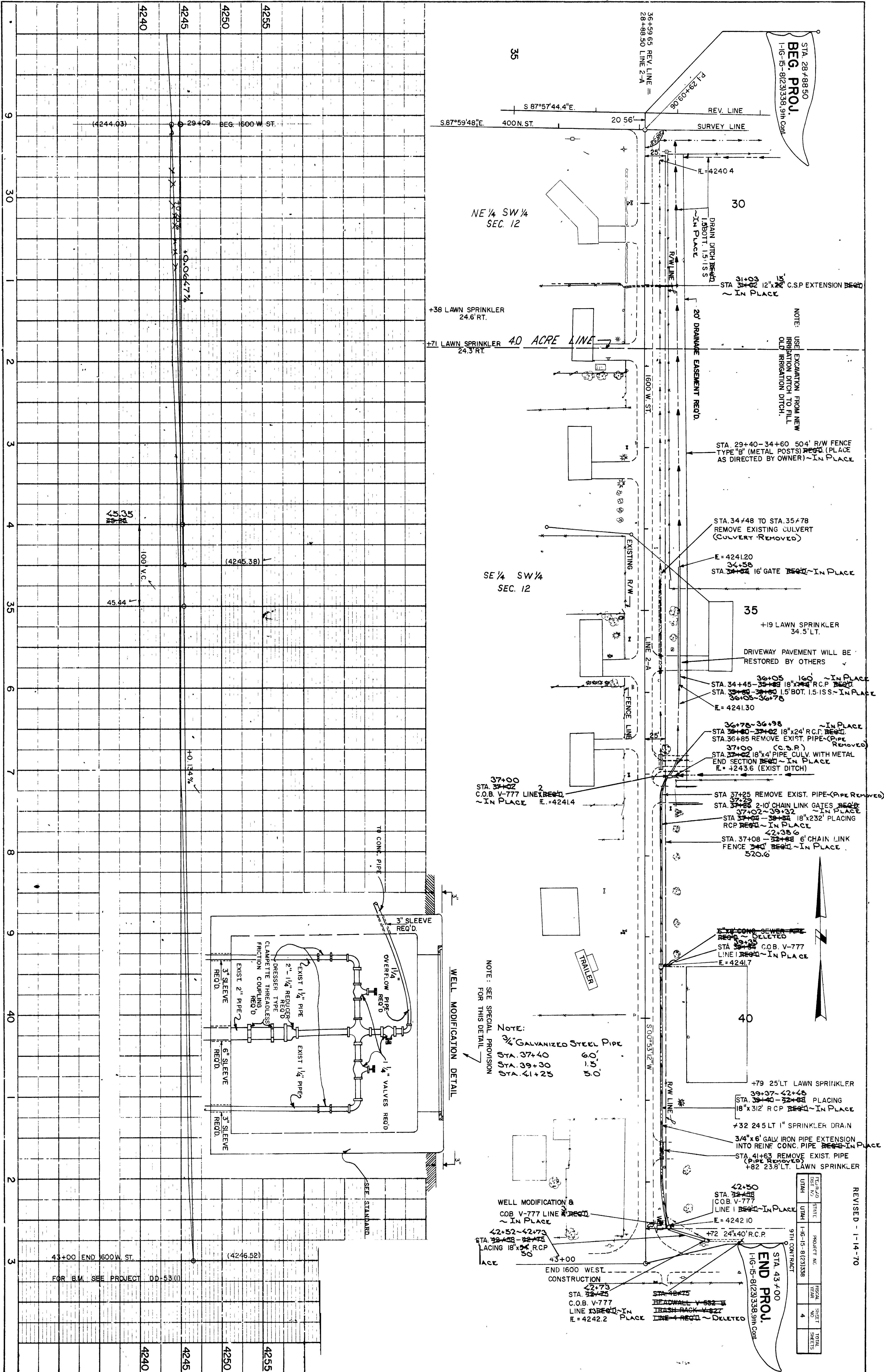
COMPACTION	
1,391 x 35' x 0.6667 = 1,202.2	
AS CONSTRUCTED 1,323 CU YD.	
USE 1,300-GU YD	6 9

STATION TO STATION	LENGTH	GRAVEL MATERIAL				BITUMINOUS MATERIAL				PLANT MIX BIT. SEAL COAT				CONSTRUCTION SOURCE REFERENCE									
		BITUMINOUS SURFACE COURSE		UNTREATED BASE COURSE		PEN. ASPH. AC-20		RC-70 / RC-250		MC-70/MC-250		AVG. WIDTH		DEPTH	FIELD BOOK	PAGE							
		148 LBS. PER CU. FT.	TON	140 LBS. PER CU. FT.	TON	RATE OF APPL. PERCENT	"MAX. TON	O.2 GAL PER SQ. YD.	TON	O.5 GAL PER SQ. YD.	TON	FT.	IN.				TON	PERCENT	TON				
29+09 TO 43+00	1,391	1144.7	786.99	2860.5	2373.39	.05	70.44	66.78	26.5'	0.00	167	29.5'	6.62	4.65	26.25	3/4	172.5	155.04	.07	10.92	10.92	6	14-15, 17-18
TOTAL		1144.7	786.99	2860.5	2373.39		70.44	66.78		0.00	167	29.5'	6.62	4.65			172.5	155.04		10.92	10.92		
USE		1144.7	786.99	2860.5	2373.39		70.44	66.78		0.00	167	29.5'	6.62	4.65			172.5	155.04		10.92	10.92		

NOTE: QUANTITIES SHOWN ON THESE PLANS ARE APPROXIMATE.

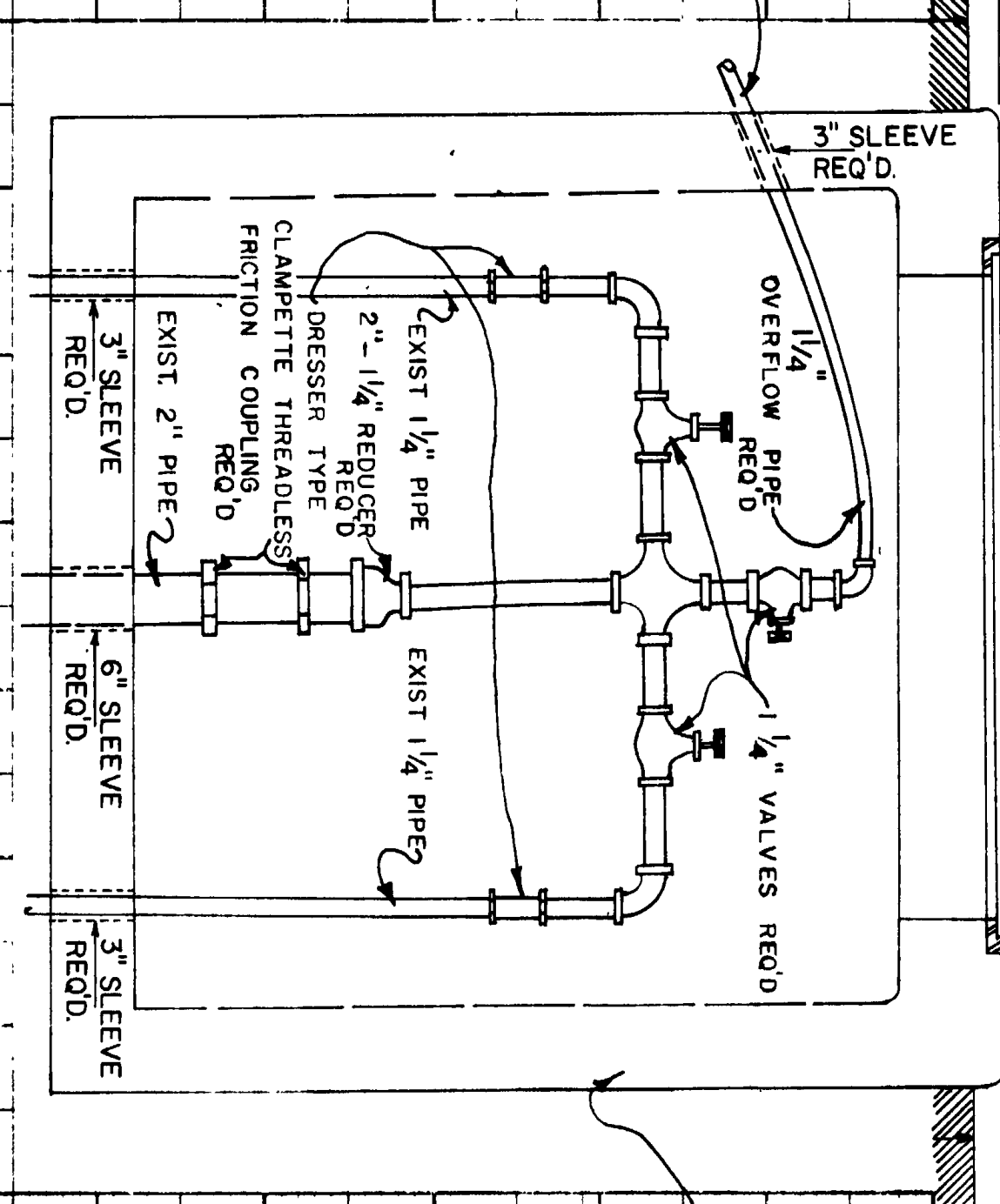
PROFILE	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO 17289	GRADES CHECKED		
	B.M. NOTED		
	STRUCTURE NOT AT NS CH RD		

PLAN	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO 17288	ALIGNMENT CHECKED		
	INT OF WA CHECKED		



DATE: 11/14/70

REVISED - 1-14-70



NOTE:
 3/4\"/>

REVISION	DATE	BY	DESCRIPTION

REVISED - 1-14-70

FED. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
UTAH	UTAH	DD-53 (1)		1	
UTAH	UTAH	I-1G-15-8(23)338		1	

INDEX TO SHEETS ON DD-53 (1)

SHEET NO.	DESCRIPTION	DRAWING NO.
1	TITLE SHEET	
2	TYPICAL CROSS SECTION	
3-3B	SUMMARY SHEETS	
4-6	PLAN PROFILE	
7	CHANNELIZATION	
8	SIGNING	
9	STANDARD CLEANOUT & JUNCTION BOXES	V-777
10	STANDARD HEADWALL	V-532

INDEX TO SHEETS ON I-1G-15-8(23)338 9th CONT.

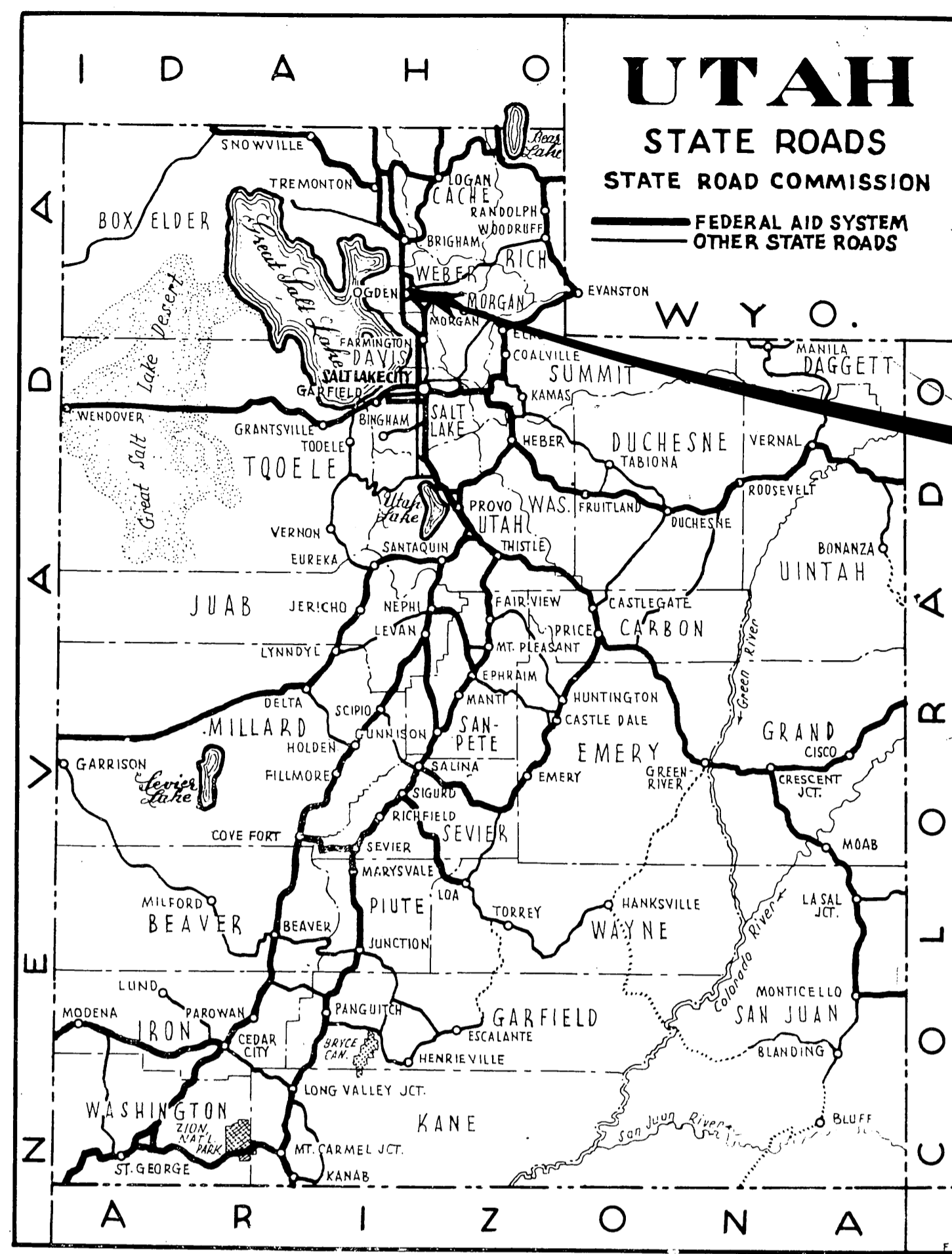
SHEET NO.	DESCRIPTION	DRAWING NO.
1	TITLE SHEET	
2	TYPICAL CROSS SECTION	
3	SUMMARY SHEETS	
4	PLAN PROFILE	

STANDARD DRAWINGS APPLICABLE THIS PROJ.

DESCRIPTION	DRAWING NO.
SUPERELEVATION AND WIDENING	805-1A, 1B
RAISED MEDIAN	816-5
CONSTRUCTION SIGNING	745-1A
CONSTRUCTION SIGNING	745-1B, 1C, 1D
CONSTRUCTION SIGNING	745-1E
CONSTRUCTION IDENTIFICATION	745-6
PROJECT & R/W MARKERS, GUIDE POST & MAIL BOXES	725-1
DIVERSION BOX	650-1
DIVERSION BOX	650-2, 3
CONCRETE CURB AND GUTTER	615-1
METAL CULVERT END SECTIONS	605-2
REINFORCED CONCRETE CULVERTS	605-20
R/W FENCE & GATES	720-1
METAL CULVERTS	605-1
CHAIN LINK FENCE	720-3
EXIT & ENTRANCE RAMP DELINEATION	726-1
HIGHWAY SIGN STANDARDS INTERSTATE SYSTEM	745-20A
HIGHWAY SIGN STANDARDS INTERSTATE SYSTEM	745-20B
HIGHWAY SIGN STANDARDS INTERSTATE SYSTEM	745-20C
ROUTE MARKERS INTERSTATE SYSTEM	745-30
ROUTE MARKER AUXILIARIES INTERSTATE SYSTEM	745-31
GUIDE SIGN ARROWS (INTERSTATE)	745-40
TYPICAL PAVEMENT MARKINGS (FREEWAY SYSTEMS)	745-41
GROUND MOUNTED SIGNS INSTALLATION DETAILS	745-50A
GROUND MOUNTED SIGNS INSTALLATION DETAILS	745-50B
GROUND MOUNTED SIGNS INSTALLATION DETAILS	745-50C
GROUND MOUNTED SIGNS INSTALLATION DETAILS	745-50D
GROUND MOUNTED SIGNS INSTALLATION DETAILS	745-50E

UTAH STATE DEPARTMENT OF HIGHWAYS
 RECOMMENDED FOR APPROVAL JANUARY 1970
 CHIEF ROADWAY DESIGN DIVISION
 RECOMMENDED FOR APPROVAL JANUARY 1970
 ENGINEER FOR PRECONSTRUCTION
 APPROVED JANUARY 1970
 STATE HIGHWAY ENGINEER

DEPARTMENT OF COMMERCE
 BUREAU OF PUBLIC ROADS
 APPROVED
 DIVISION ENGINEER _____ DATE _____



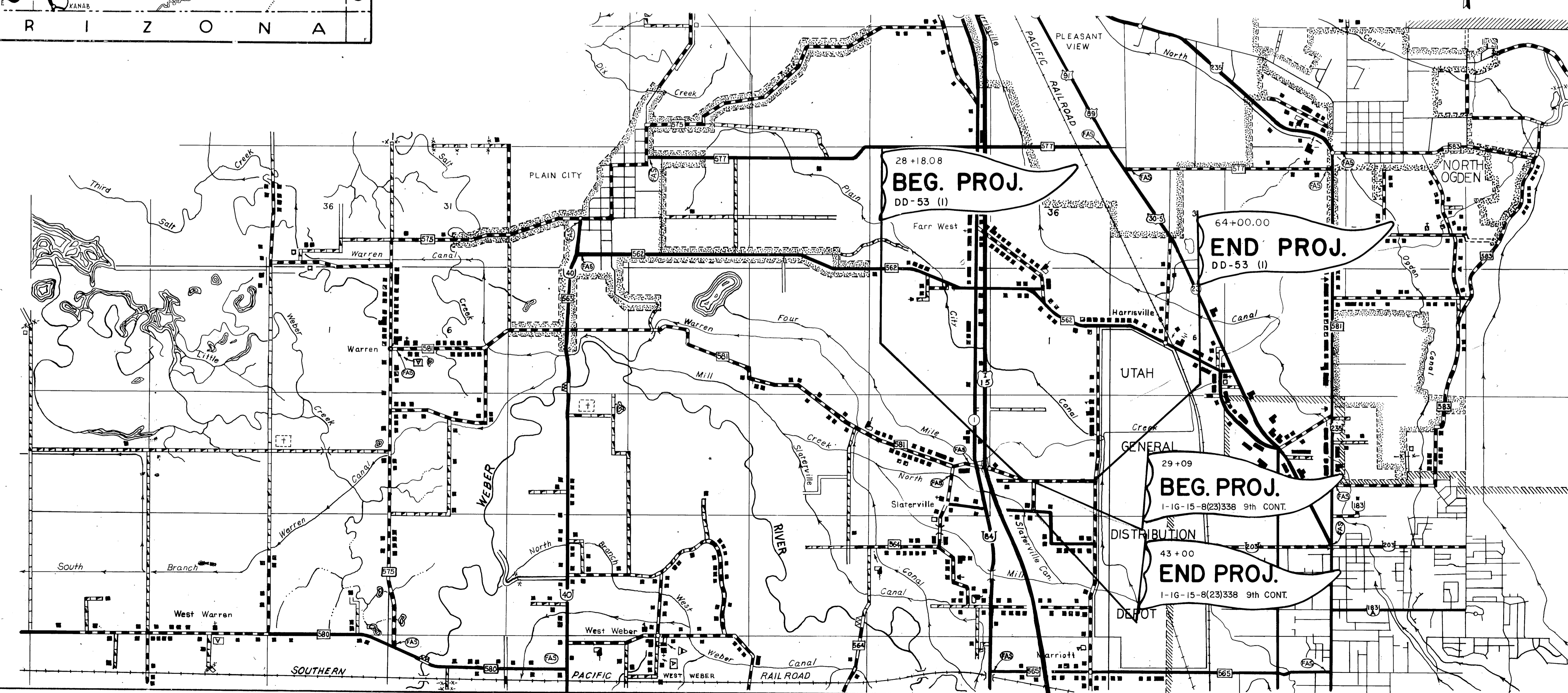
STATE OF UTAH STATE ROAD COMMISSION

PLANS OF PROPOSED STATE ROAD FEDERAL AID PROJECT

DD-53 (1)
I-1G-15-8(23)338 9th CONTRACT

DD - 53 (1)
I-15 TO DEFENSE DEPOT OGDEN
LENGTH 0.678 MILES

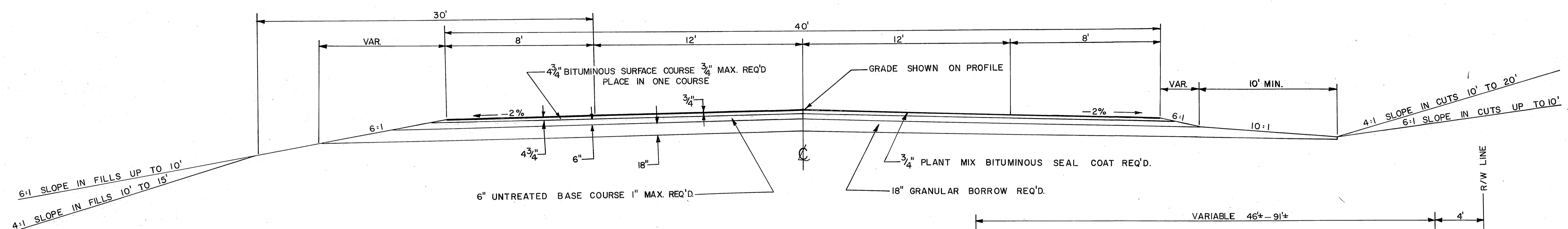
I-1G-15-8(23)338 9th CONTRACT
1600 WEST ST.
LENGTH 0.263 MILES
WEBER COUNTY



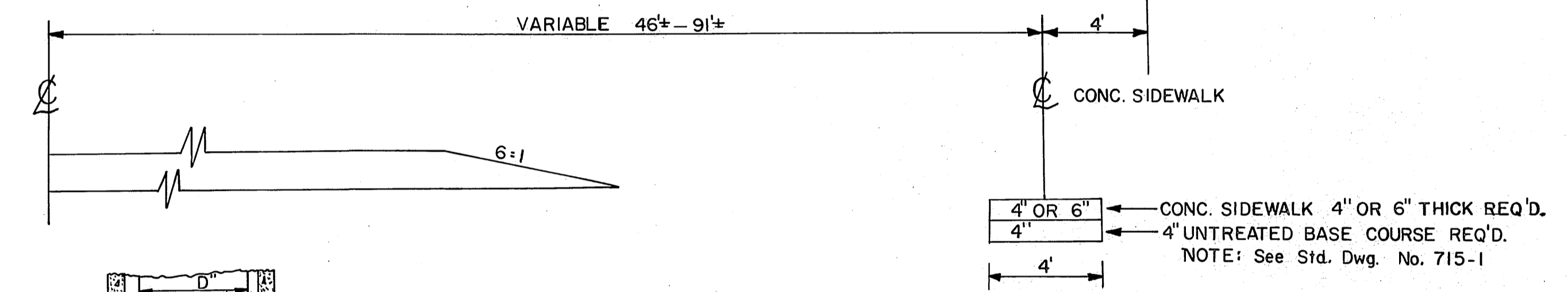
TYPICAL CROSS SECTION

FED. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
UTAH	UTAH	DD-53 (1)		2	

BITUMINOUS MATERIALS
 BITUMINOUS MATERIAL GRADE AC-20 PEN. ASPHALT REQ'D IN MIX
 BITUMINOUS MATERIAL GRADE MC-70 OR MC-250 REQ'D FOR PRIME COAT
 BITUMINOUS MATERIAL GRADE RC-70 OR RC-250 REQ'D FOR FLUSH COAT & TACK COAT
 BITUMINOUS MATERIAL GRADE AC-PM PEN. ASPHALT REQ'D IN SEAL

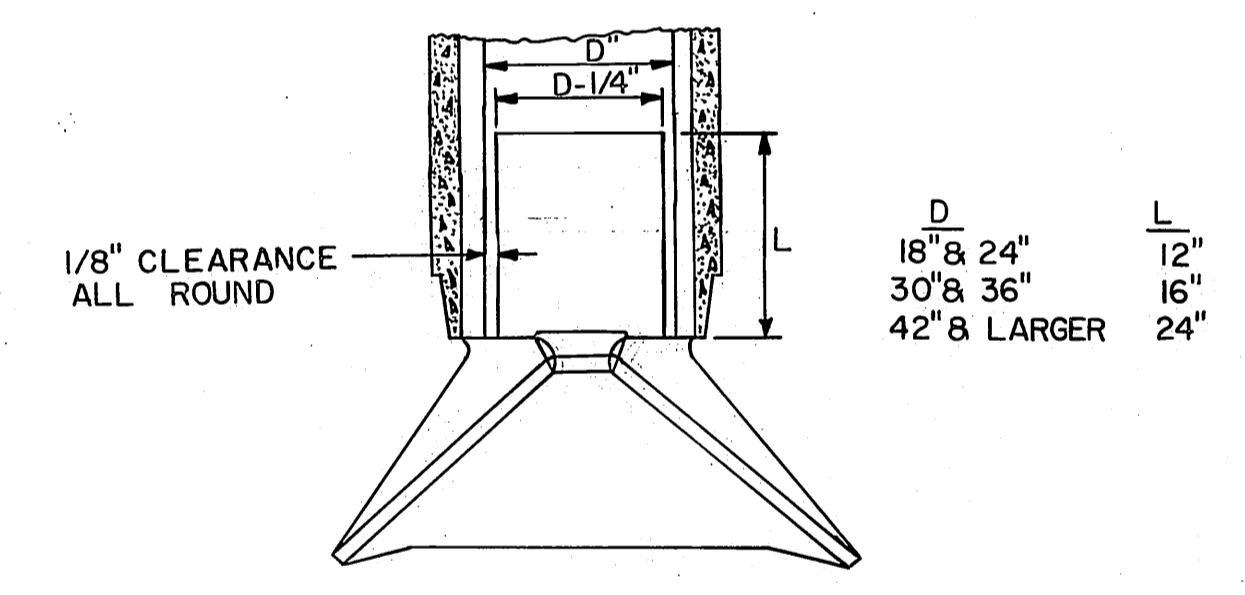
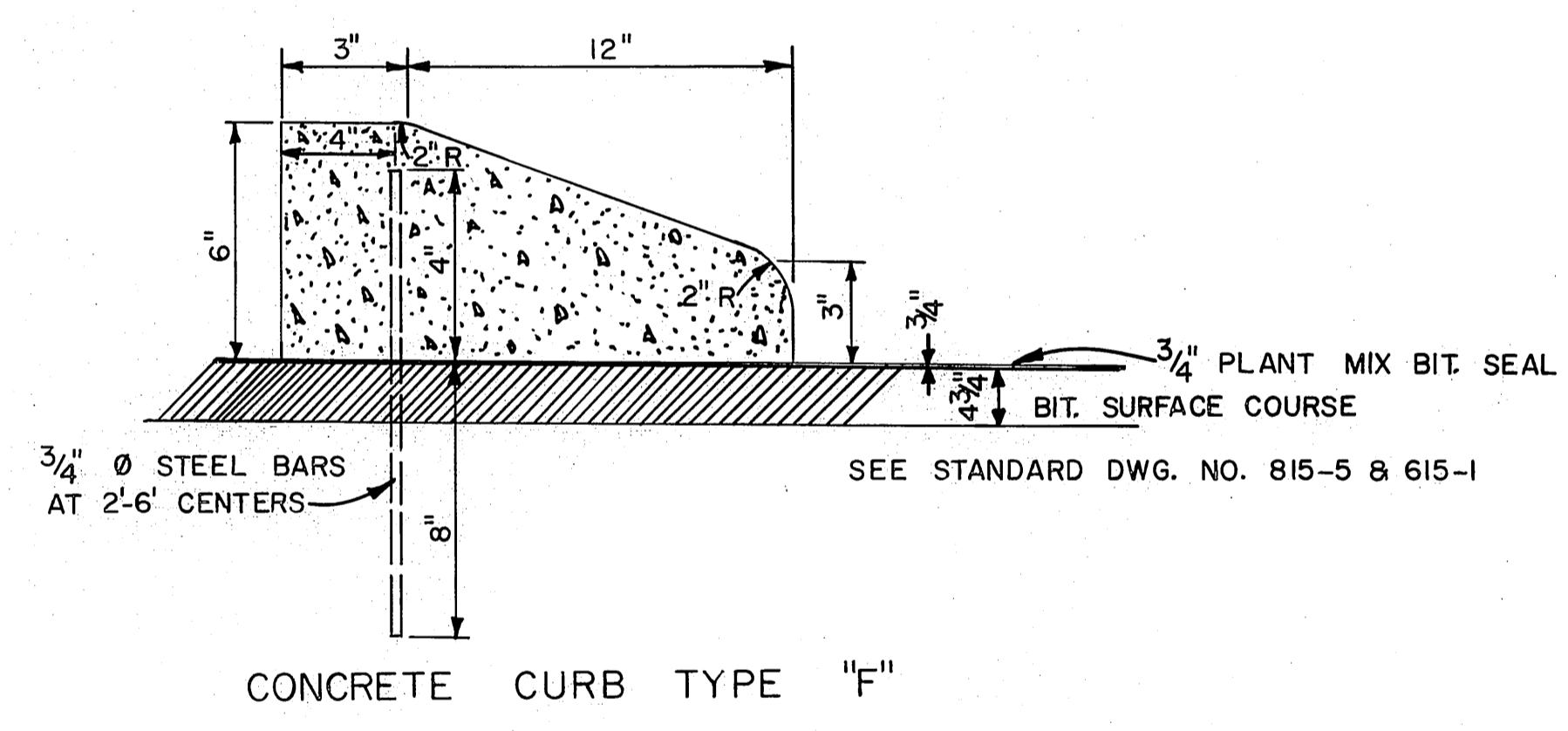


STA. 28+18.08 — STA. 55+16
 TRANSITION & TAPER STA. 55+16 — 61+16
 SEE SHEET #7 FOR CHANNELIZATION

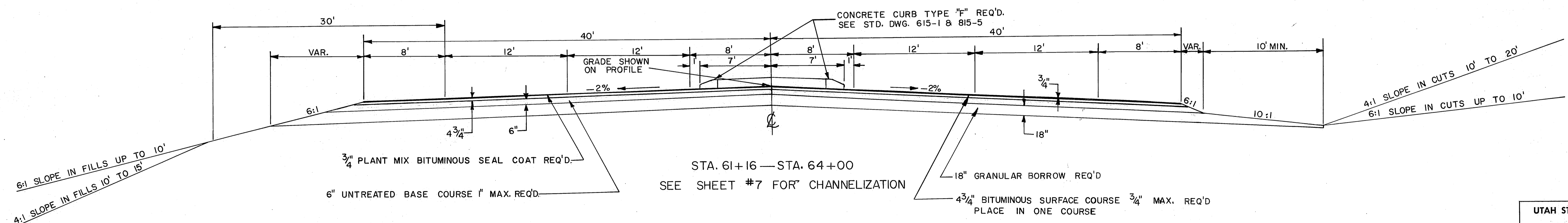


STA. 25+92 — STA. 36+42 RT.

REVISIONS	DATE	BY



- NOTES:**
1. SHOP FABRICATE STEEL END SECTION & SLEEVE.
 2. SLEEVE TO BE OF 12 GAGE SMOOTH GALVANIZED STEEL IN ACCORDANCE WITH A.A.S.H.O. M-36.
 3. WELD SLEEVE TO END SECTION.
 4. REPAIR OF DAMAGED SVELTER COATING SHALL BE IN ACCORDANCE WITH A.A.S.H.O. M-36.
 5. PRIOR TO INSTALLATION, COAT SLEEVE WITH MINIMUM 1/8" THICKNESS OF ASPHALT COATING IN ACCORDANCE WITH SECTION 702 STANDARD SPECIFICATIONS, EXCEPT ASPHALT COATING TO BE OF BRUSH CONSISTENCY INSTEAD OF SPRAY CONSISTENCY.



STA. 61+16 — STA. 64+00
 SEE SHEET #7 FOR CHANNELIZATION

SUPERELEVATE CURVES IN ACCORDANCE WITH STD. DWG. NO. 805-1A & 1B.
 DESIGN SPEED 50 M. P. H.

UTAH STATE ROAD COMMISSION
 BITUMINOUS
 SURFACED
 ROADWAY

SUMMARY SHEET NO.

PROJECT NO.	DATE	PAGE	DRAWING NO.	SCALE
			DD-53 (11)	3A

V12-70

STATION TO STATION	TYP. SEC. NO.	LENGTH	PRIME/PAVING SURFACE COURSE			PLANT MIX BIT SEAL COAT			GRAVEL SURFACE COURSE			UNTREATED BASE COURSE			GRANULAR BORROW		HYDRATED LIME (% BY WT)	PRIME ASPHALT GRADE AC-20		GRADE AC-2.5M		P.C. 70/100/20/50		P.C. 15 CAL. P.F. 50/100					
			IN. COURSE	IN. COURSE	CU. FT.	TON	TON	CU. FT.	TON	TON	TON	TON	TON	TON	TON	TON		TON	TON	TON	TON	TON	TON	TON	TON	TON	TON		
23+18 = 55+16		2698	42	3938	3,319	42	0.625	542						47	.5	4,438.0	89	15	16,714.0		5%	166		42	38	40	4.8	44	15.9
55+16 = 61+16		600	62	3938	1,032	62	0.625	172						67	.5	1,407.0	79	15	4,877.0		5%	54		62	12	60	1.6	64	5.1
61+16 = 63+61		245	82	3938	588	82	0.625	93						87	.5	746	99	15	2,547.0		5%	29		82	7	80	0.8	84	2.8
RAISED MEDIAN																86.0													
APPROACHES																318.0						2.0							
36+75 = 40+70 DITCH ON RT.																													
INTERSECTION																													
TOTAL					5,074			815								771			23577			266		57		72		24.0	
USE					5,350			860								7750			23,600			270		60		80		25.0	

STA. TO STA.	TYPE "B" METAL POSTS		GATES			CONSTRUCTION SOURCE REFERENCE	
	LEFT	RIGHT	10'	12'	16'	FIELD BOOK	PAGE
23+51 - 29+20							
29+20 - 29+52.03	770		SALVAGE & RESET				
46+82							
33+68 - 47+10	1,100						
33+16					I-LT		
36+97 - 49+08		1,218					
44+20					I-LT		
44+45					2-LT		
44+60 - 46+95	235						
47+89 - 50+12	215						
49+10					I-RT		
49+28 - 50+12		84					
52+06					I-RT		
52+03					2-LT		
51+84 - 55+46		336					
52+16 - 55+44		330					
52+13							
52+20 - 53+88		178					
53+92					2-LT		
53+88 - 58+17		467					
53+50 - 58+10							
55+54					I-RT		
56+83 - 58+82		210					
58+77 - 59+50		59					
58+85					I-LT		
59+00					I-RT		
60+37 - 63+42	322						
59+08 - 63+39		443					
63+30 RT		299					
63+42 LT		297					
TOTAL	2771	2,502	4	2	7		
USE	2771	2,502	4	2	7		

ITEM	UNIT	QUANTITY	CONSTRUCTION SOURCE REFERENCE
MOBILIZATION	LUMP	.	
FLAGGING	MN. HRS.	800	
R/W MARKERS	EACH	16	
MOVING MAIL BOXES	EACH	3	
MOVING STREET SIGNS	EACH	2	1.0
RECONSTR. CLEANOUTS/MANHOLES	EACH	8	
MON. BOXES & WATER METERS	EACH	14	
CONC. PAVEMENT OR CONCRETE			
SIDEWALK 4" THICK	SQ. YD.	416.2	
CONC. PAVEMENT OR CONCRETE			
SIDEWALK 6" THICK	SQ. YD.	16.7	
MOVING & RESETTING FENCE	LIN. FT.	770	

STA. TO STA.	EMB. FACTOR	EMB. EXC.		CHANG. EXC.	EXCESS MATERIAL	CONSTRUCTION SOURCE REFERENCE	
		CU. YDS.	CU. YDS.			FIELD BOOK	PAGE
28+18 - 64+33	1.20	1,379	6,923		5,228		
USE			7,000				

HIGHWAY TRAFFIC PAINT				STD. DRWG. NO. 745-41			
APPLICATION	FOR ESTIMATING PURPOSES ONLY	4" SOLID WHITE		4" SKIP WHITE		4" SOLID YELLOW	
		MILE	GAL.	MILE	GAL.	MILE	GAL.
4" SOLID WHITE LINE	16	.68	21.7				
4" SKIP WHITE LINE	6			.68	4.3		
4" SOLID YELLOW LINE	16					.12	1.8
SUB-TOTAL			21.7		4.3		1.8
TOTAL							27.8
USE							30 GALS.

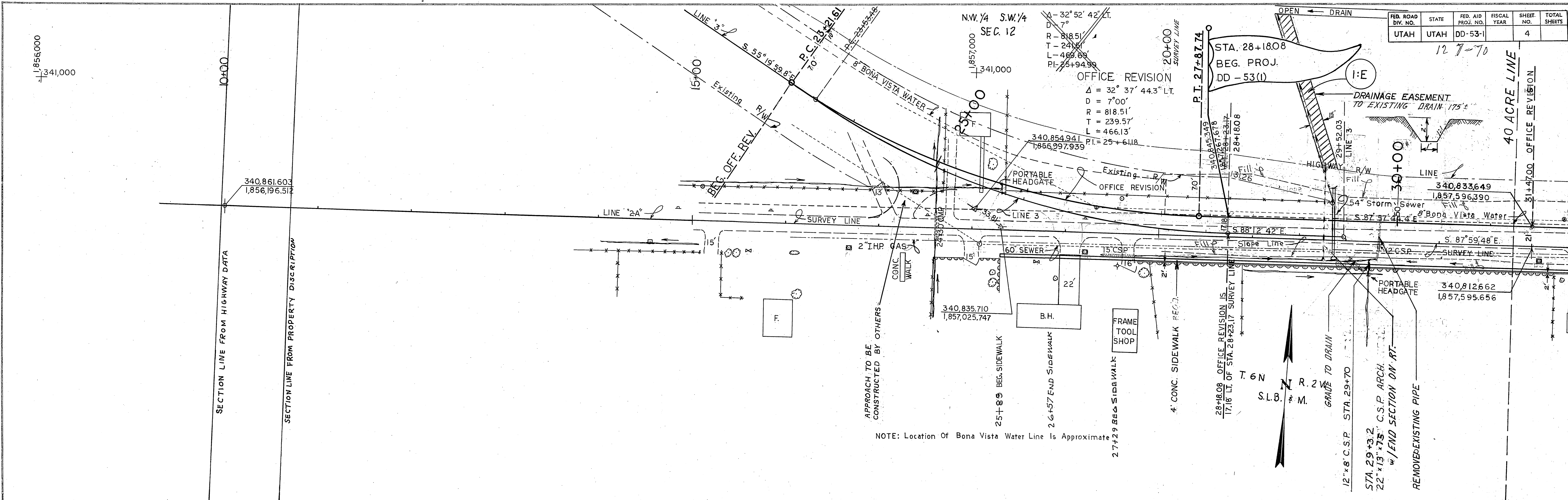
WATERING, ROLLING & COMPACTION		CONSTRUCTION SOURCE REFERENCE	
WATERING			
2,980 + (31,206 x 0.54) =		496 M. GAL.	
40			
USE =		550 M. GAL.	
COMPACTION			
EMBANKMENT		1,655 CU. YDS.	
PRE-COMPACTION		1,085 CU. YDS.	
TOTAL		2,740 CU. YDS.	
USE		3,100 CU. YDS.	

STA. - STA.	CONC. MEDIAN FILLER SQ. YD.	CONC. CURB TYPE LIN. FT.	REMOVAL OF CONCRETE DRIVEWAYS SQ. YD.	CONSTRUCTION SOURCE REFERENCE	
				FIELD BOOK	PAGE
60+77 - 63+26	84.8	50961			
32+60			686		
47+00			104		
55+95			355		
TOTAL	84.8	50961	1145		
USE	90	510	120		

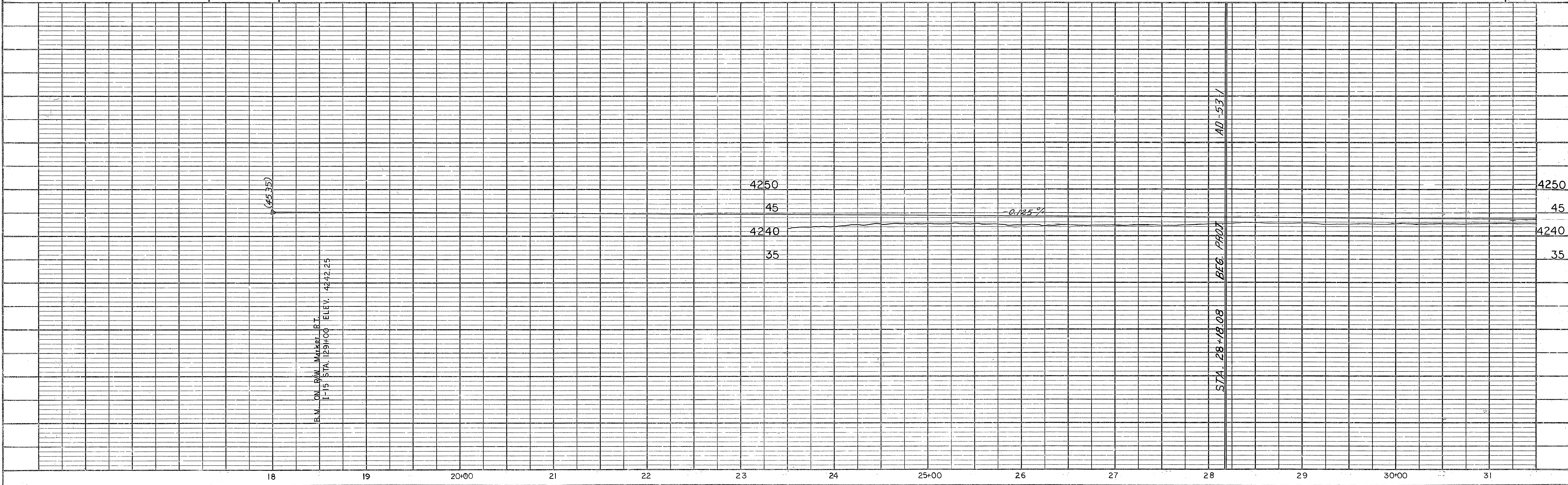
DATE 3-68
 BY SHERMAN BURTON
 SR. WINTERBOITOM # 368
 SURVEYED, PLOTTED, CHECKED
 NOTE BOOK NO. 17288
 TRACED BY SR. WINTERBOITOM # 368

DATE 3-68
 BY SHERMAN BURTON
 SR. WINTERBOITOM # 368
 PROFILE SURVEYED, PLOTTED, CHECKED
 NOTE BOOK NO. 17288
 SPECIFICATION NOTATION C-10

FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
UTAH	UTAH	DD-53-1	12-7-70	4	



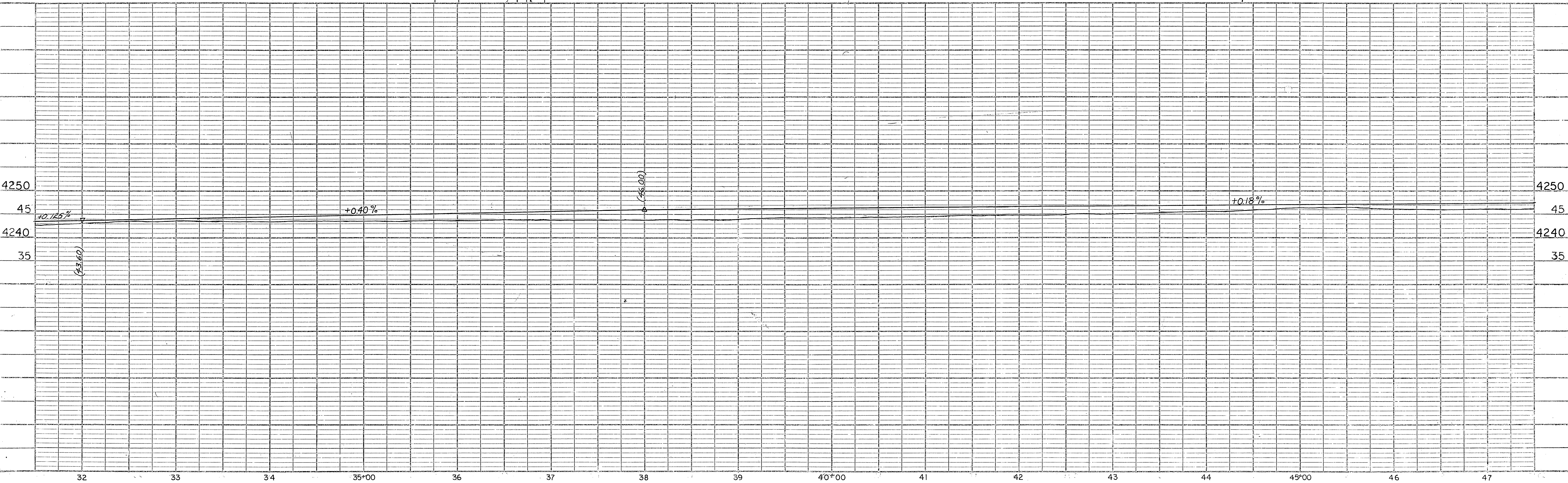
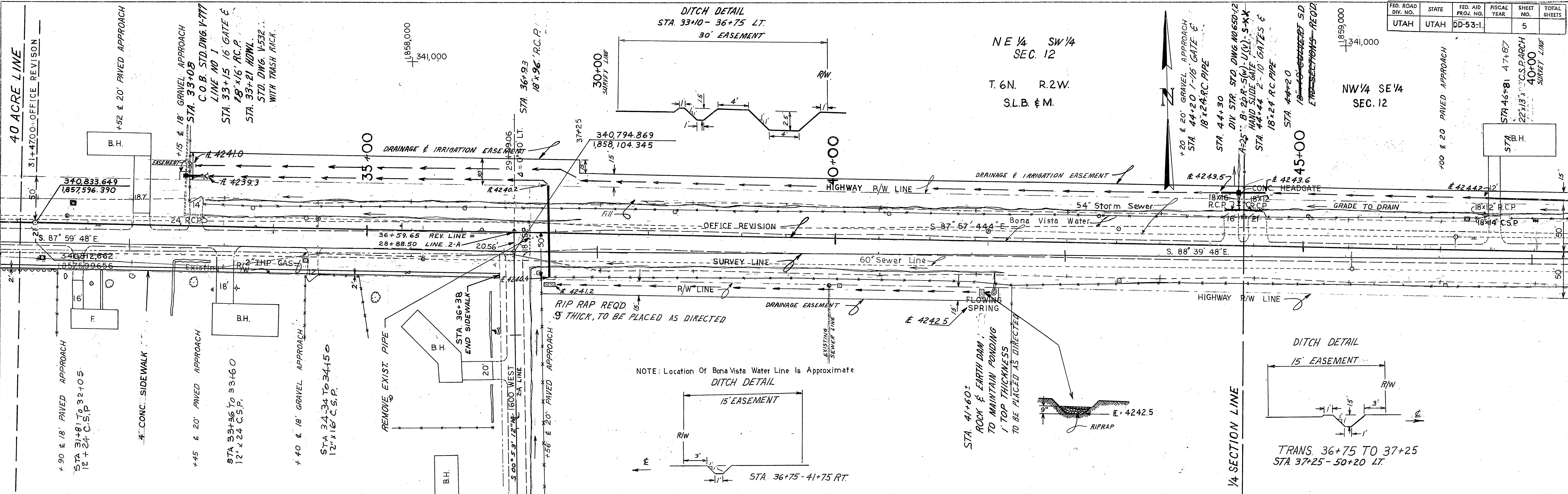
NOTE: Location Of Bona Vista Water Line Is Approximate



DATE 3-68
 BY SHERMAN BURTON
 SURVEYED, PLOTTED, CHECKED
 NOTE BOOK NO. 17288
 TRACED BY S.R. WINTERBOTTOM 4-68

DATE 3-68
 BY SHERMAN BURTON
 SURVEYED, PLOTTED, CHECKED
 NOTE BOOK NO. 17288
 STRUCTURE NOTATION CHFD.

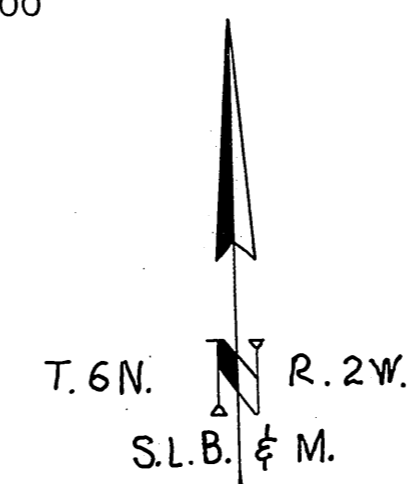
FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
UTAH	UTAH	DD-53-1		5	



FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
UTAH	UTAH	DD-53(1)		6	

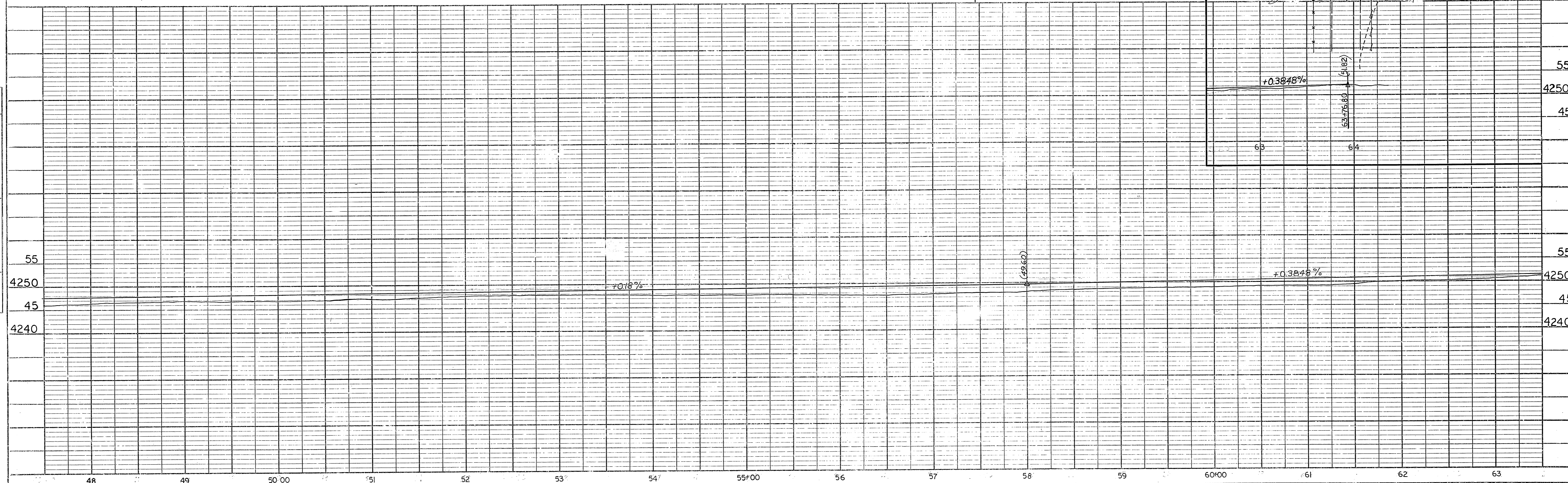
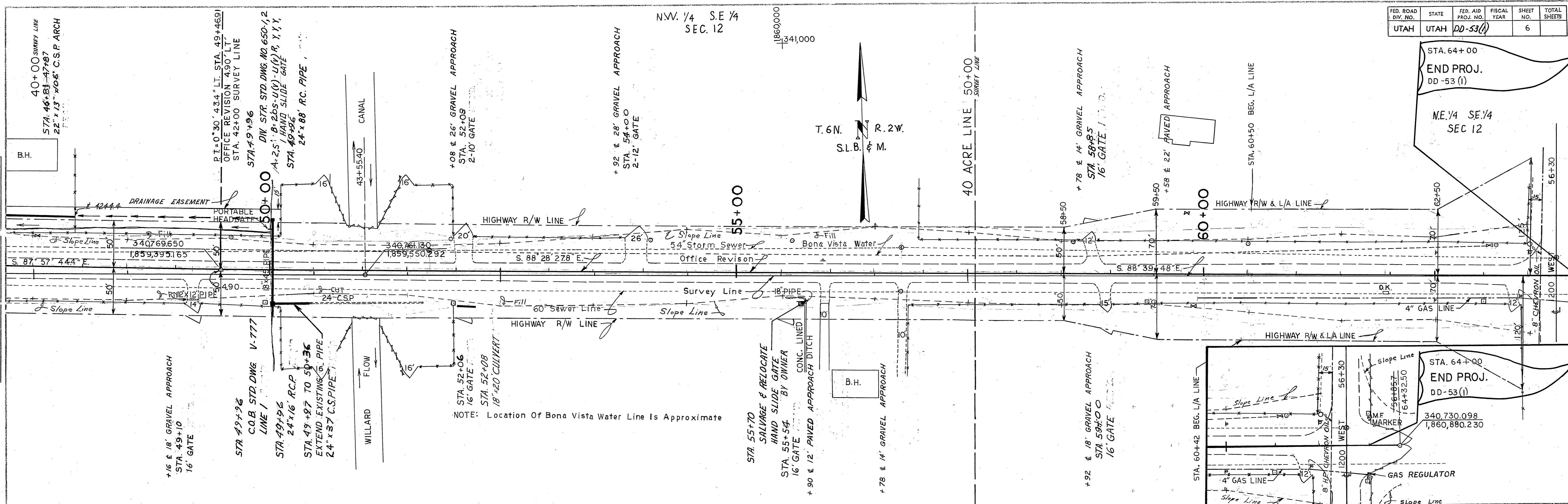
N.W. 1/4 S.E. 1/4
SEC. 12

1860000
+341,000



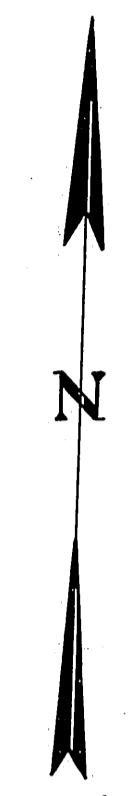
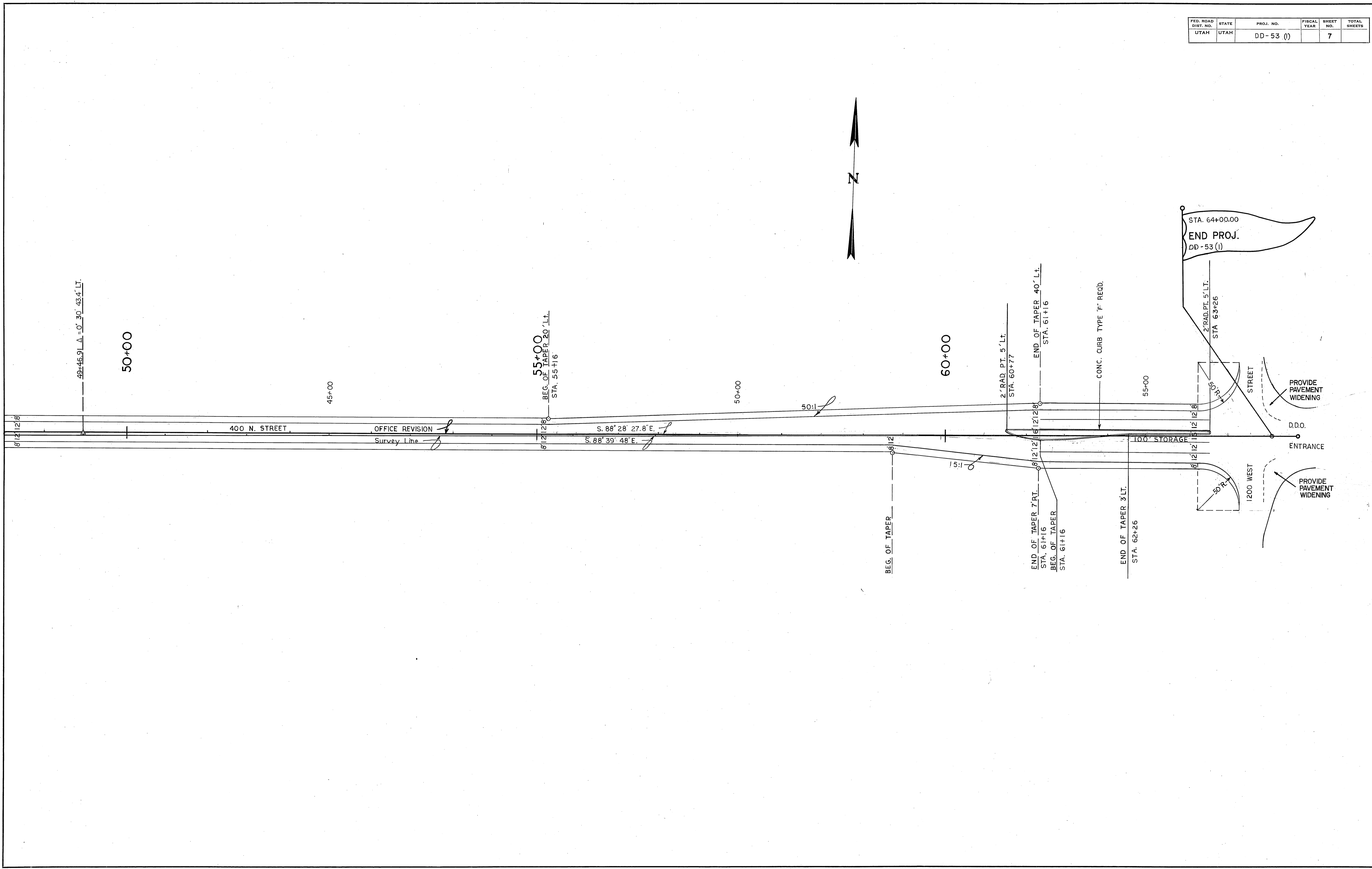
PLAN
SURVEYED BY: S. WINTERBOBTON 3-68
NOTE BOOK NO. 17288
CHECKED BY: S. WINTERBOBTON 3-68
DATE: 3-68

PROFILE
SURVEYED BY: S. WINTERBOBTON 3-68
NOTE BOOK NO. 17288
CHECKED BY: S. WINTERBOBTON 3-68
DATE: 3-68
STRUCTURE NOTATION: CHNO



FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
UTAH	UTAH	DD-53 (1)		7	

REVISIONS	DATE	BY



STA. 64+00.00
END PROJ.
 DD-53 (1)

PROVIDE PAVEMENT WIDENING

PROVIDE PAVEMENT WIDENING

D.D.O.
 ENTRANCE

100' STORAGE

CONC. CURB TYPE 'F' REQD.

60+00

50+00

400 N. STREET

OFFICE REVISION
 Survey Line

49+46.91 Δ = 0° 30' 43.4" LT.

55+00
 BEG. OF TAPER 20' LT.
 STA. 55+16

S. 88° 28' 27.8" E.
 S. 88° 39' 48" E.

END OF TAPER 40' LT.
 STA. 61+16

BEG. OF TAPER
 STA. 61+16

2' RAD. PT. 5' LT.
 STA. 60+77

END OF TAPER 3' LT.
 STA. 62+26

2' RAD. PT. 5' LT.
 STA. 63+26

50' R.C.P.

1200 WEST

50' R.C.P.

50:1

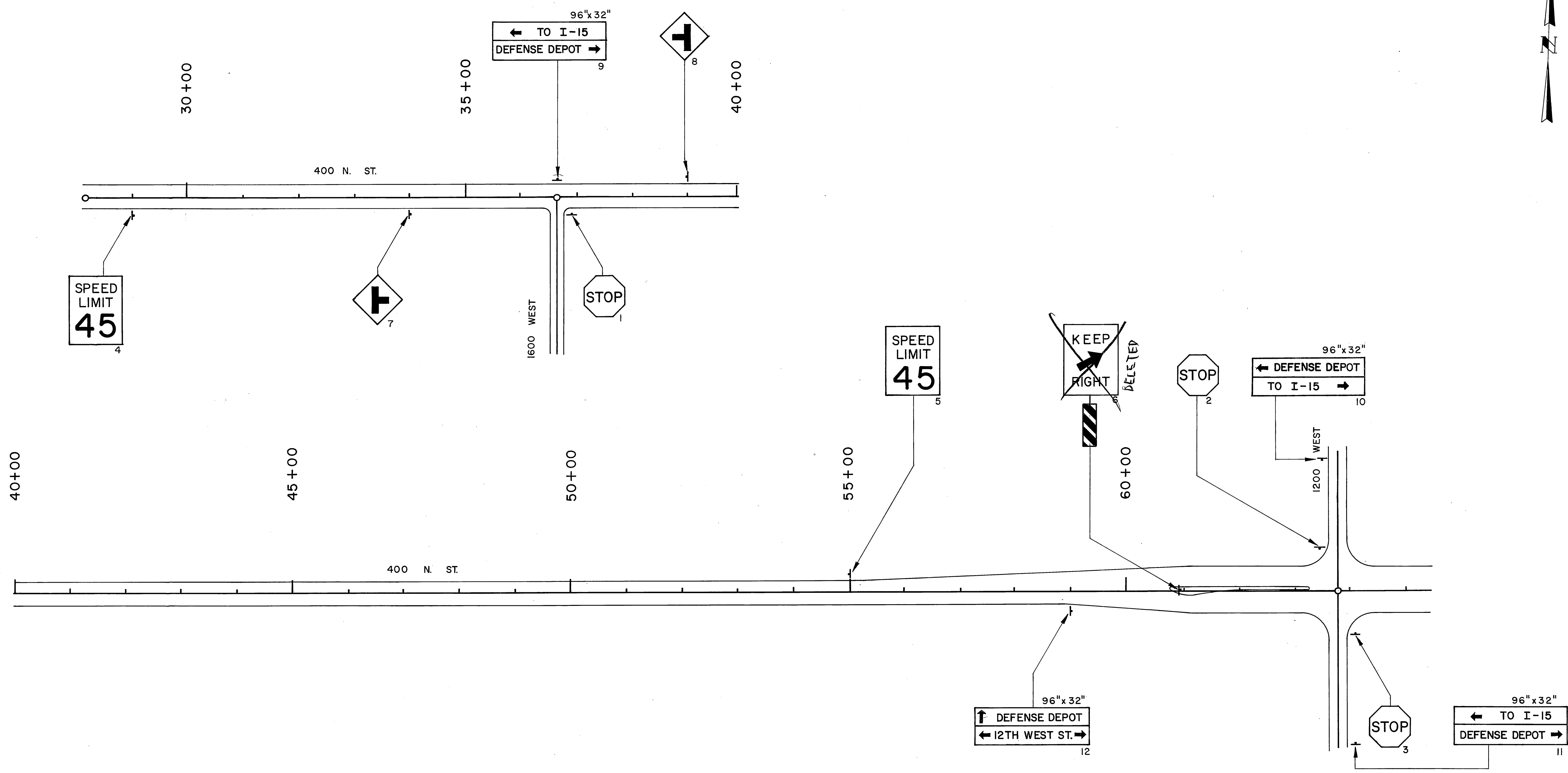
15:1

45+00

50+00

55+00

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
UTAH	UTAH	DD-53 (I)		8	



REVISIONS		
NO.	DATE	BY

FED. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
UTAH	UTAH	DD-53 (1)		1	
UTAH	UTAH	I-1G-15-8(23)338		1	

INDEX TO SHEETS ON DD-53 (1)

SHEET NO.	DESCRIPTION	DRAWING NO.
1	TITLE SHEET	
2	TYPICAL CROSS SECTION	
3-3B	SUMMARY SHEETS	
4-6	PLAN PROFILE	
7	CHANNELIZATION	
8	SIGNING	
9	STANDARD CLEANOUT & JUNCTION BOXES	V-777
10	STANDARD HEADWALL	V-532

INDEX TO SHEETS ON I-1G-15-8(23)338 9th CONT.

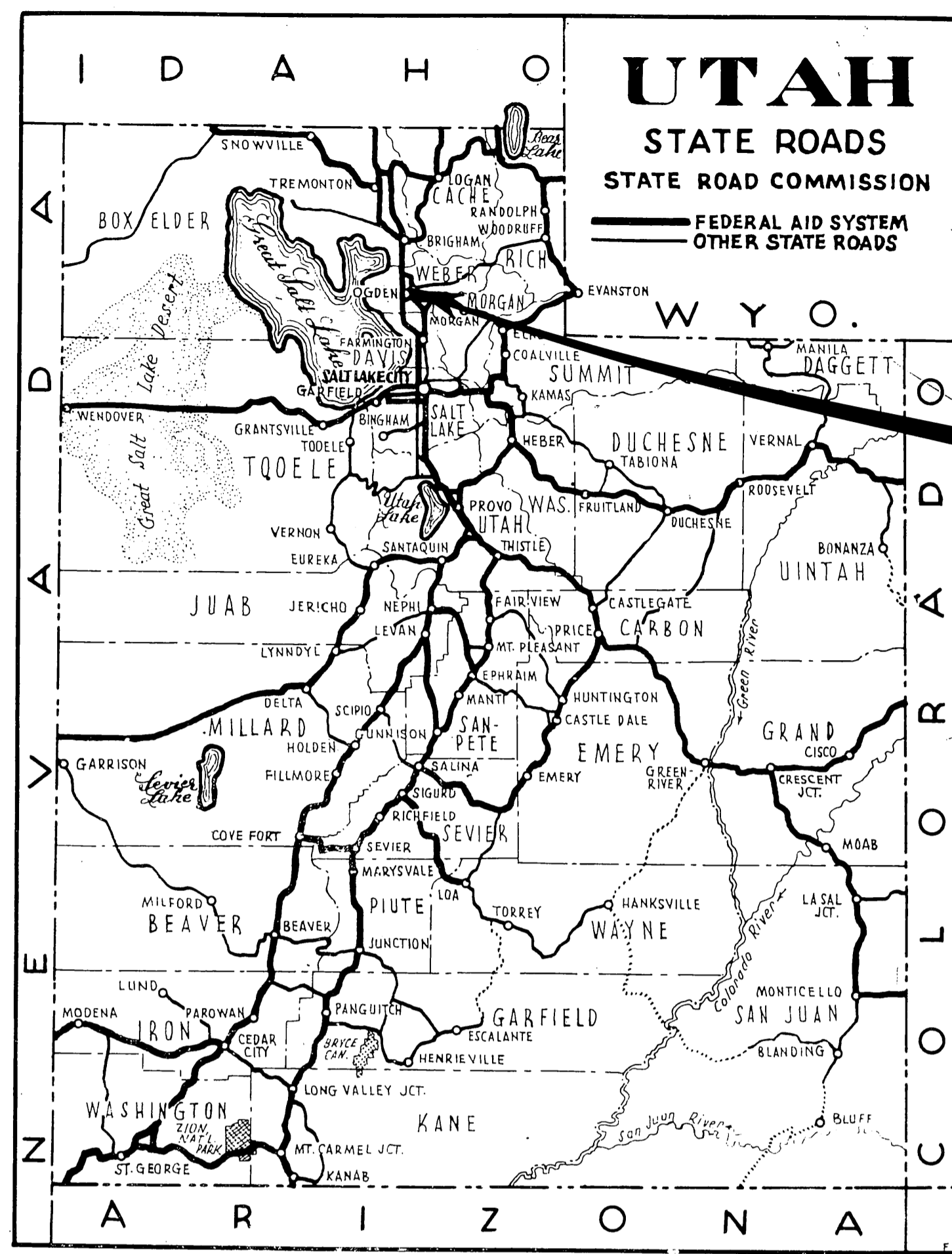
SHEET NO.	DESCRIPTION	DRAWING NO.
1	TITLE SHEET	
2	TYPICAL CROSS SECTION	
3	SUMMARY SHEETS	
4	PLAN PROFILE	

STANDARD DRAWINGS APPLICABLE THIS PROJ.

DESCRIPTION	DRAWING NO.
SUPERELEVATION AND WIDENING	805-1A, 1B
RAISED MEDIAN	816-5
CONSTRUCTION SIGNING	745-1A
CONSTRUCTION SIGNING	745-1B, 1C, 1D
CONSTRUCTION SIGNING	745-1E
CONSTRUCTION IDENTIFICATION	745-6
PROJECT & R/W MARKERS, GUIDE POST & MAIL BOXES	725-1
DIVERSION BOX	650-1
DIVERSION BOX	650-2, 3
CONCRETE CURB AND GUTTER	615-1
METAL CULVERT END SECTIONS	605-2
REINFORCED CONCRETE CULVERTS	605-20
R/W FENCE & GATES	720-1
METAL CULVERTS	605-1
CHAIN LINK FENCE	720-3
EXIT & ENTRANCE RAMP DELINEATION	726-1
HIGHWAY SIGN STANDARDS INTERSTATE SYSTEM	745-20A
HIGHWAY SIGN STANDARDS INTERSTATE SYSTEM	745-20B
HIGHWAY SIGN STANDARDS INTERSTATE SYSTEM	745-20C
ROUTE MARKERS INTERSTATE SYSTEM	745-30
ROUTE MARKER AUXILIARIES INTERSTATE SYSTEM	745-31
GUIDE SIGN ARROWS (INTERSTATE)	745-40
TYPICAL PAVEMENT MARKINGS (FREEWAY SYSTEMS)	745-41
GROUND MOUNTED SIGNS INSTALLATION DETAILS	745-50A
GROUND MOUNTED SIGNS INSTALLATION DETAILS	745-50B
GROUND MOUNTED SIGNS INSTALLATION DETAILS	745-50C
GROUND MOUNTED SIGNS INSTALLATION DETAILS	745-50D
GROUND MOUNTED SIGNS INSTALLATION DETAILS	745-50E

UTAH STATE DEPARTMENT OF HIGHWAYS
 RECOMMENDED FOR APPROVAL JANUARY 1970
 CHIEF ROADWAY DESIGN DIVISION
 RECOMMENDED FOR APPROVAL JANUARY 1970
 ENGINEER FOR PRECONSTRUCTION
 APPROVED JANUARY 1970
 STATE HIGHWAY ENGINEER

DEPARTMENT OF COMMERCE
 BUREAU OF PUBLIC ROADS
 APPROVED
 DIVISION ENGINEER DATE



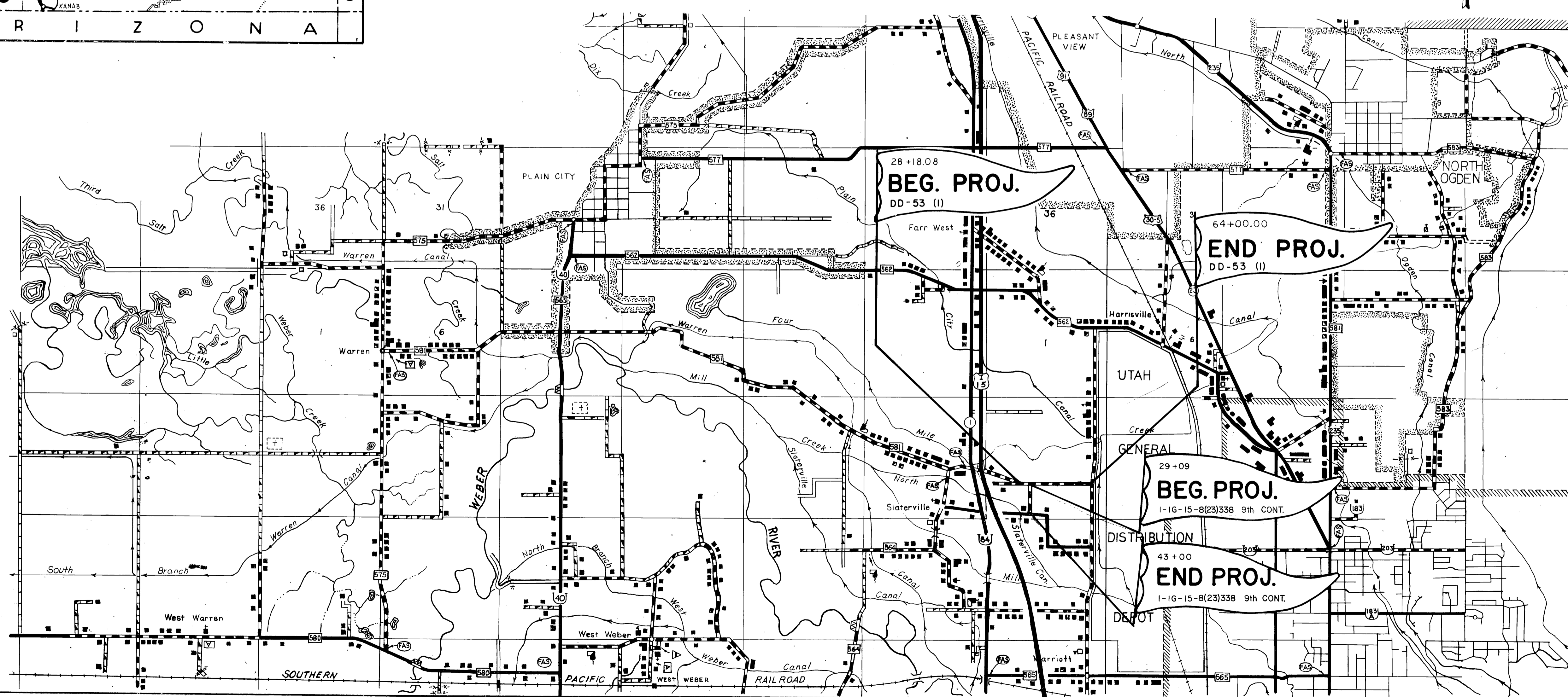
STATE OF UTAH STATE ROAD COMMISSION

PLANS OF PROPOSED STATE ROAD FEDERAL AID PROJECT

DD-53 (1)
I-1G-15-8(23)338 9th CONTRACT

DD-53 (1)
I-15 TO DEFENSE DEPOT OGDEN
LENGTH 0.678 MILES

I-1G-15-8(23)338 9th CONTRACT
1600 WEST ST.
LENGTH 0.263 MILES
WEBER COUNTY

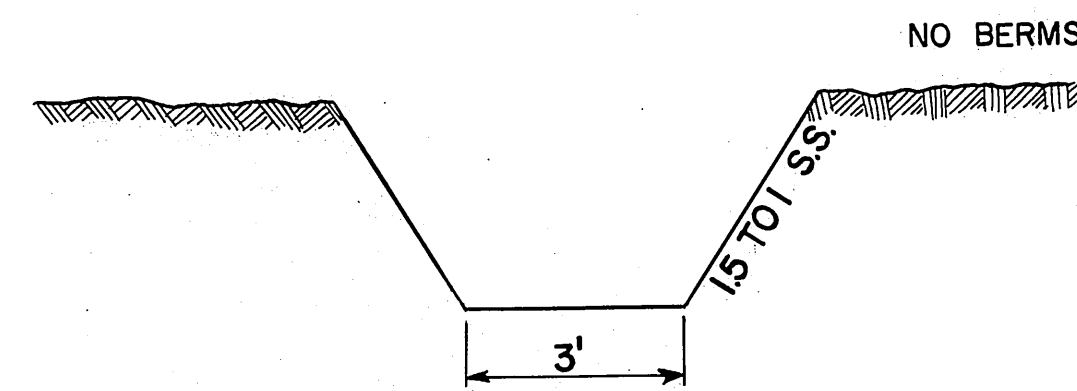
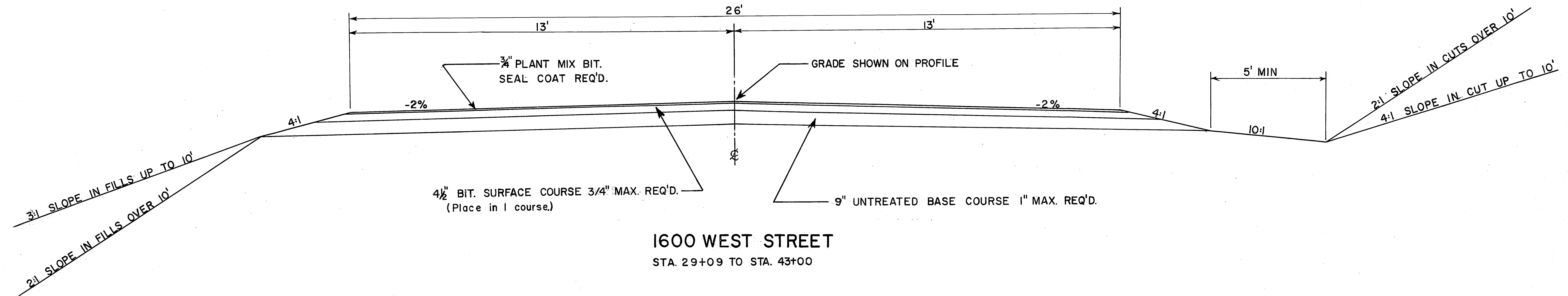


TYPICAL CROSS SECTION

FED. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
UTAH	UTAH	I-16-15-8(23)338		2	

9TH CONTRACT

BITUMINOUS MATERIALS
 BITUMINOUS MATERIAL GRADE AC-20 PEN. ASPHALT REQ'D. IN MIX
 BITUMINOUS MATERIAL GRADE MC-70 OR MC-250 REQ'D. FOR PRIME COAT
 BITUMINOUS MATERIAL GRADE RC-70 OR RC-250 REQ'D. FOR FLUSH COAT & TACK COAT
 BITUMINOUS MATERIAL GRADE AC-PM PEN. ASPHALT REQ'D. IN SEAL



REVISIONS	BY	DATE

UTAH STATE ROAD COMMISSION
 SALT LAKE CITY - UTAH

BITUMINOUS
 SURFACED
 ROADWAY

DESIGN SPEED 25 M.P.H.

SUMMARY SHEET

REVISED- 1-14-70

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
UTAH	UTAH	16-15-8(23)338		3	

9TH CONTRACT 12-70

STATION	IN PLACE	HT. OF FILL	CONC. SEWER PIPE			R.C.P. PIPE CULV.			C.M.P.			STEEL PIPE		GRAN. BACK FILL	END SECT.	SMALL DITCH	STR. EXC.	BACK FILL	CLASS "A" CONC. (AE)	REINF. STEEL	STR. STEEL	LINE NO.	DWG. NO.	CONSTRUCTION SOURCE REFERENCE	REMARKS
			6"	18"	18"	12"	3/4"	IN. FT.	CU.YD.	CU.YD.	CU.YD.	CU.YD.	CU.YD.												
29+09 TO 34+45																									SMALL DITCH REQ. 15' BOT. 1.5 TO 1 S.S.
31+02		2'							16'	22'								7.8	6.3						REMOVED RESET & EXTEND EXISTING PIPE
34+45 TO 36+05	130' CULVRET	2'																85.3	69.9						REMOVE EXISTING PIPE MATCH EXISTING FLOWLINE
36+05 TO 37+02	18" x 16' CONCRETE PIPE	2'																							SMALL DITCH REQ. 15' BOT. 1.5 TO 1 S.S.
37+00																									REMOVE EXIST. PIPE
37+00																									C.O.B. RECON.
37+02 TO 39+32	24" x 30' CONCRETE PIPE	2'																							MATCH EXISTING FLOWLINE
39+32																									REMOVED
39+36		1'																							C.O.B. RECON.
39+36		1'																							EXTEND EXISTING FLOWLINE
39+40 TO 42+48	24' CULVERT	2'																							REMOVE
41+25																									EXTEND INTO R.C.P.
42+52 TO 42+73																									WELL MOD. & BOX
42+50																									TRASH BACK R.C.P. DELETED
42+73																									HEADWALL
TOTAL																									C.O.B. RECON.
USE																									C.O.B. RECON.

STATION	STATION	R/W MARKERS		CONSTRUCTION SOURCE REFERENCE	
		LT.	RT.	FIELD BOOK	PAGE
29+40					
36+00					
42+72					
TOTAL		5	5		
USE		8	0		

STATION	STATION	R/W FENCE TYPE "B"		CONSTRUCTION SOURCE REFERENCE	
		LT.	RT.	FIELD BOOK	PAGE
29+34					
29+40					
TOTAL		504			
USE		520			

HIGHWAY TRAFFIC PAINT			STD. DRWG. NO. 745-41	
APPLICATION	FOR ESTIMATING PURPOSES ONLY	4" SKIP WHITE		
TYPE OF STRIPING	GAL. PER MILE	MILE	GAL.	
4" SKIP WHITE LINE	6	.26	1.65	
TOTAL		.26	1.65	
USE			2	

STATION	STATION	R/W GATES				CONSTRUCTION SOURCE REFERENCE	
		14'	16'	14'	16'	FIELD BOOK	PAGE
34+54	58						
TOTAL							
USE							

STATION	STATION	6' CHAIN LINK FENCE TYPE II				CONSTRUCTION SOURCE REFERENCE	
		LT.	RT.	FIELD BOOK	PAGE	FIELD BOOK	PAGE
37+08							
TOTAL							
USE							

SUMMARY OF ITEMS		
NAME	UNIT	QUANTITY
MOBILIZATION	LUMP	•
FLAGGING	HOUR	480
ROADWAY EXCAVATION	CU.YD.	850
EXCAVATION FOR STRUCTURES	CU.YD.	200
BACKFILL	CU.YD.	120
COMPACTION	CU.YD.	1,300
WATERING	M.GAL.	35
R/W FENCE, TYPE "B" (METAL POSTS)	LN.FT.	504
16' R/W GATES	EACH	1
6' CHAIN LINK FENCE TYPE II	LN.FT.	540
6" CONCRETE SEWER PIPE (EXTRA STRENGTH)	LN.FT.	200
18" REINFORCED CONCRETE PIPE	LN.FT.	766
12" CORRUGATED METAL PIPE	LN.FT.	22
18" PIPE CULVERT	LN.FT.	4
3/4" GALV. IRON PIPE	LN.FT.	6
18" METAL END SECTION	EACH	1
6' CHAIN LINK 10' GATES	EACH	2
UNDERDRAIN GRANULAR BACKFILL	CU.YD.	300
UNTREATED BASE COURSE 1" MAX.	TON	2,650
BITUMINOUS MATERIAL GRADE MC-70 OR MC-250	TON	5
BITUMINOUS MATERIAL GRADE RC-70 OR RC-250	TON	2
BITUMINOUS SURFACE COURSE 3/4" MAX.	TON	1,120
PLANT MIX BITUMINOUS SEAL COAT	TON	170
BITUMINOUS MATERIAL GRADE AC-20	TON	70
PENETRATION ASPHALT	TON	70
SMALL DITCH EXCAVATION	CU.YD.	390
DELINEATORS	EACH	1
R/W MARKERS	EACH	6
MOVING MAIL BOXES	EACH	7
RECONST. C.O.B., MANHOLE & MON. BOX	EACH	4
MODIFICATION OF EXISTING WELL	LUMP	•
HIGHWAY TRAFFIC PAINT	GAL.	2
REINFORCING STEEL	LB.	969
STRUCTURAL STEEL	LB.	2432
CONCRETE CLASS "A" (AE) (SMALL STRUCTURES)	CU.YD.	7.5
BIT. MATERIAL GRADE AC-PM	CU.YD.	12

NOTE: QUANTITIES SHOWN ON THESE PLANS ARE APPROXIMATE.

EARTHWORK QUANTITIES					
STATION TO STATION	EMBANKMENT	EXCAVATION	BORROW	CONSTRUCTION SOURCE REFERENCE	
	CU.YD.	CU.YD.	CU.YD.	FIELD BOOK	PAGE
29+09 TO 43+00		776			
TOTAL		776			
USE		617			

MISCELLANEOUS		
NAME	UNIT	QUANTITY
MOBILIZATION	LUMP	•
FLAGGING	HOUR	480
6' CHAIN LINK 10' GATES	EACH	2
DELINEATORS	EACH	1
MOVING MAILBOXES	EACH	7
RECONST. C.O.B., MANHOLE & MON. BOX	EACH	4
MODIFICATION OF EXISTING WELL	LUMP	•

WATERING	
2,373.39 TONS = 1,255.8 CU. YD.	
1,255.8 / 40 = 31.4	
USE 35 M GAL.	

COMPACTION	
1391' x 35' x 0.6667 = 1,202.2	
USE 1,300 CU. YD.	

STATION TO STATION	LENGTH	GRAVEL MATERIAL				BITUMINOUS MATERIAL				PLANT MIX BIT. SEAL COAT				CONSTRUCTION SOURCE REFERENCE						
		BITUMINOUS SURFACE COURSE		UNTREATED BASE COURSE		PEN. ASPH. AC-20	RC-70 / RC-250	MC-70 / MC-250	AVG. WIDTH	DEPTH	140 LBS. PER CU. FT.	PEN. ASPHALT AC-PM	RATE 7% BY WEIGHT		FIELD BOOK	PAGE				
		AVG. WIDTH	DEPTH	AVG. WIDTH	DEPTH	PERCENT	TON	TON	TON	TON	TON	TON	TON							
		TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON							
29+09 TO 43+00	1,391	28'	4.5'	1,058.90	32.5'	9"	2,373.39	.05	60.70	26.5'	1.67	29.5'	4.65	26.25	3/4	155.04	.07	10.85		
TOTAL				1,058.90			2,373.39		60.70		1.67		4.65			155.04		10.85		
USE				1,120			2,650		70		2		5			170		12		

REVISIONS BY DATE

STA. 28+88.50
BEG. PROJ.
1-16-15-8(23)338, 9th Cont.

REVISED - 1-14-70
A.C. 12-7-70

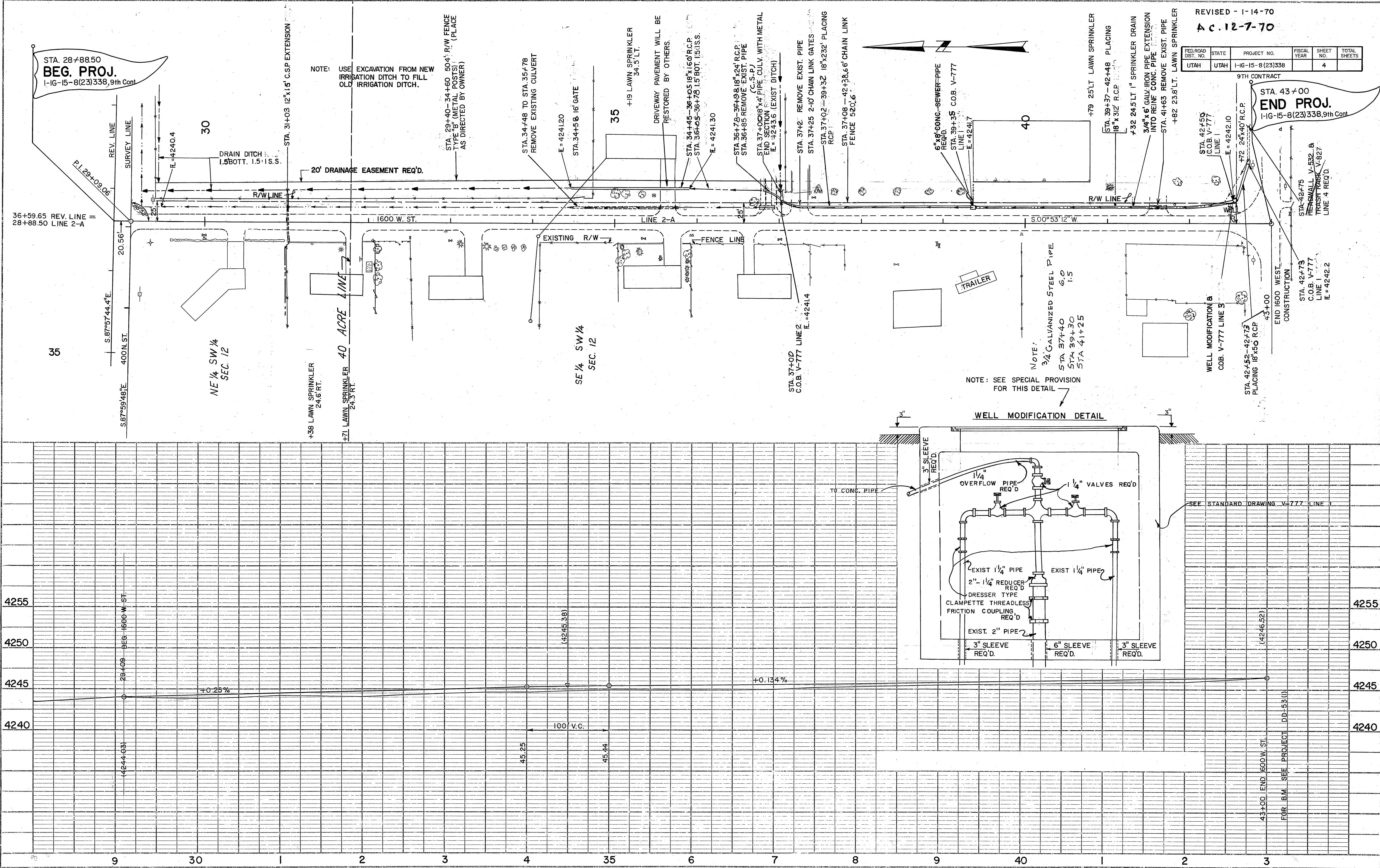
FED. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
UTAH	UTAH	1-16-15-8 (23)338		4	

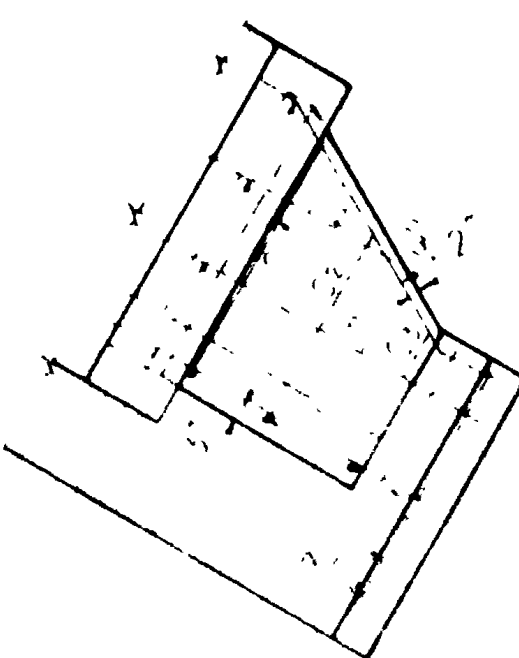
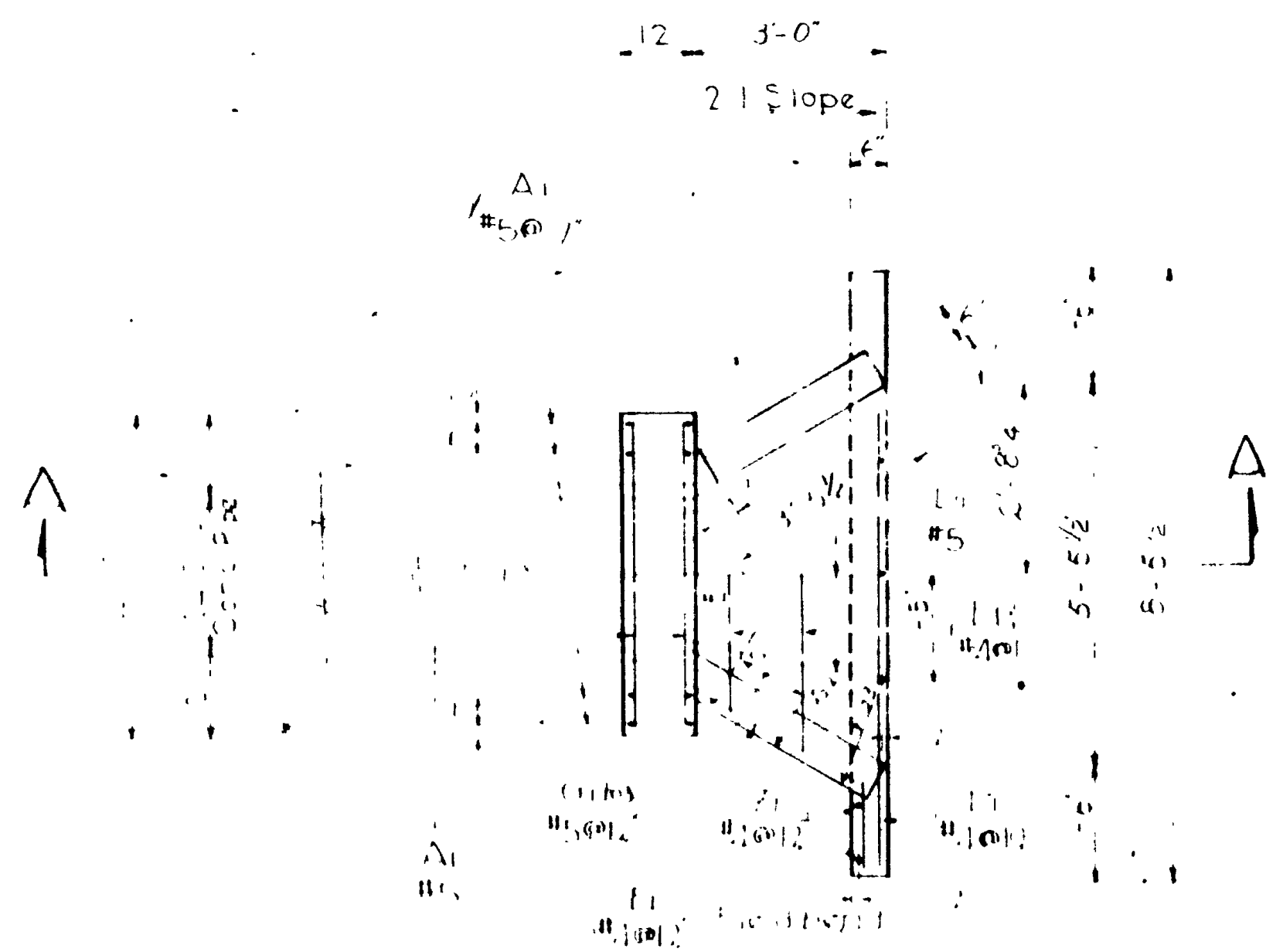
9TH CONTRACT

STA. 43+00
END PROJ.
1-16-15-8(23)338, 9th Cont.

PLAN	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO. 17288	ALIGNMENT CHECKED	
	ST. OF WAT. CHECKED	

PROFILE	SURVEYED	DATE
NOTE BOOK	GRADES CHECKED	
NO. 17289	STRUCTURE LOCATIONS CHECKED	

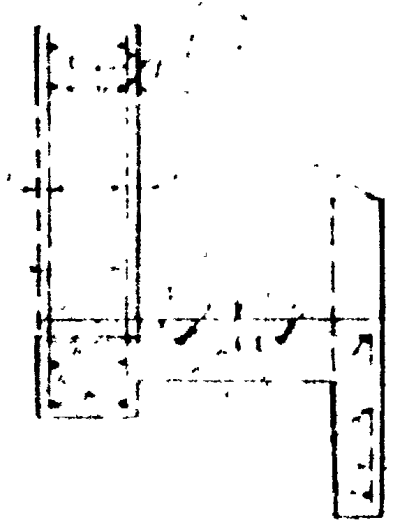




PLAN

Note: Field bend ends
 of F. Rein. bars: Pipe

WING WALL



MARK	LOCATION	SIZE NO.	LENGTH	NO. BARS	TOTAL LENGTH	SKETCH
Δ1	Headwall	#5	3'-8"	16	58'-8"	
11	Apron	#6	5'-7"	3	16'-9"	
11	Apron	#6	3'-3"	1	3'-3"	
12	"	#6	4'-5"	1	4'-5"	
11	Wings	#6	4'-8"	4	18'-8"	
12	"	#6	4'-8"	2	9'-4"	
13	"	#6	4'-8"	2	9'-4"	
01	Wings	#8	5'-5"	2	11'-0"	
02	"	#8	5'-5"	2	11'-0"	
03	"	#8	2'-7"	2	5'-4"	
11	Cut-off Wall	#6	8'-0"	3	24'-0"	
21	WW F. Rein.	#6	3'-2"	4	12'-8"	
					9'-7" #4 @ 0.668' = 6'-0" #	
					16'-8" #6 @ 0.45' = 8'-0" #	
					Total 142'-0" #	

GENERAL NOTES

Materials, construction and workmanship shall be in accordance with the Utah Department of Highways Standard Specifications for Road and Bridge Construction, Interim Issue March 1968, and Supplements thereto which are in effect at the date of request for bids.

All reinforcing steel shall be deformed billet steel bars conforming to ASTM Designation A615 68, Grade 60, concrete shall be Class A (A1).

Place full fill as far as practical before building headwall. Cure concrete seven days before backfilling.

DESIGN DATA

The design is in accordance with the AASHTO Specifications of 1965, and Interim Specifications.

$f_c = 1200 \text{ psi}$
 $f_s = 20,000 \text{ psi}$
 $n = 10$

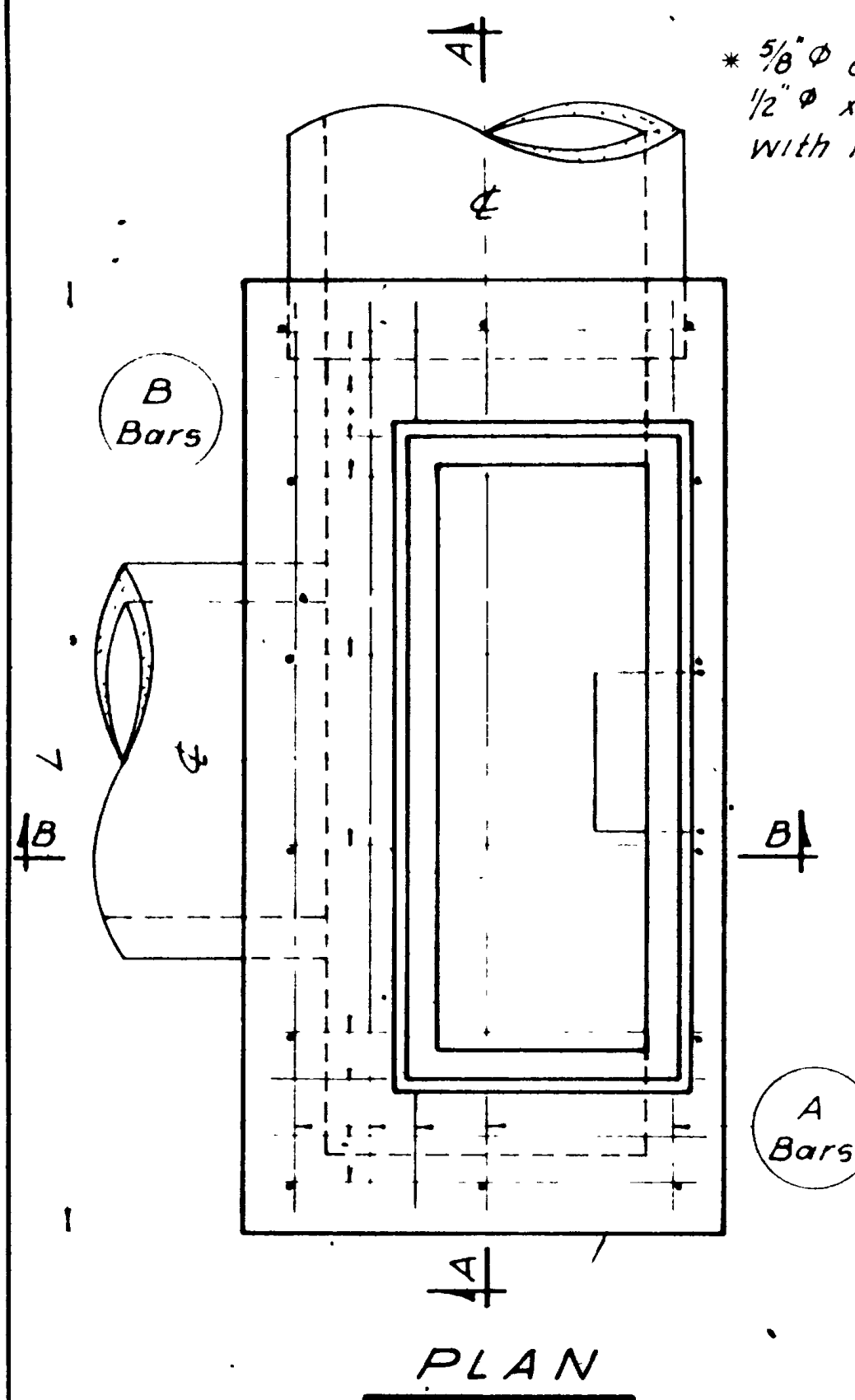
QUANTITIES

(for one headwall only)

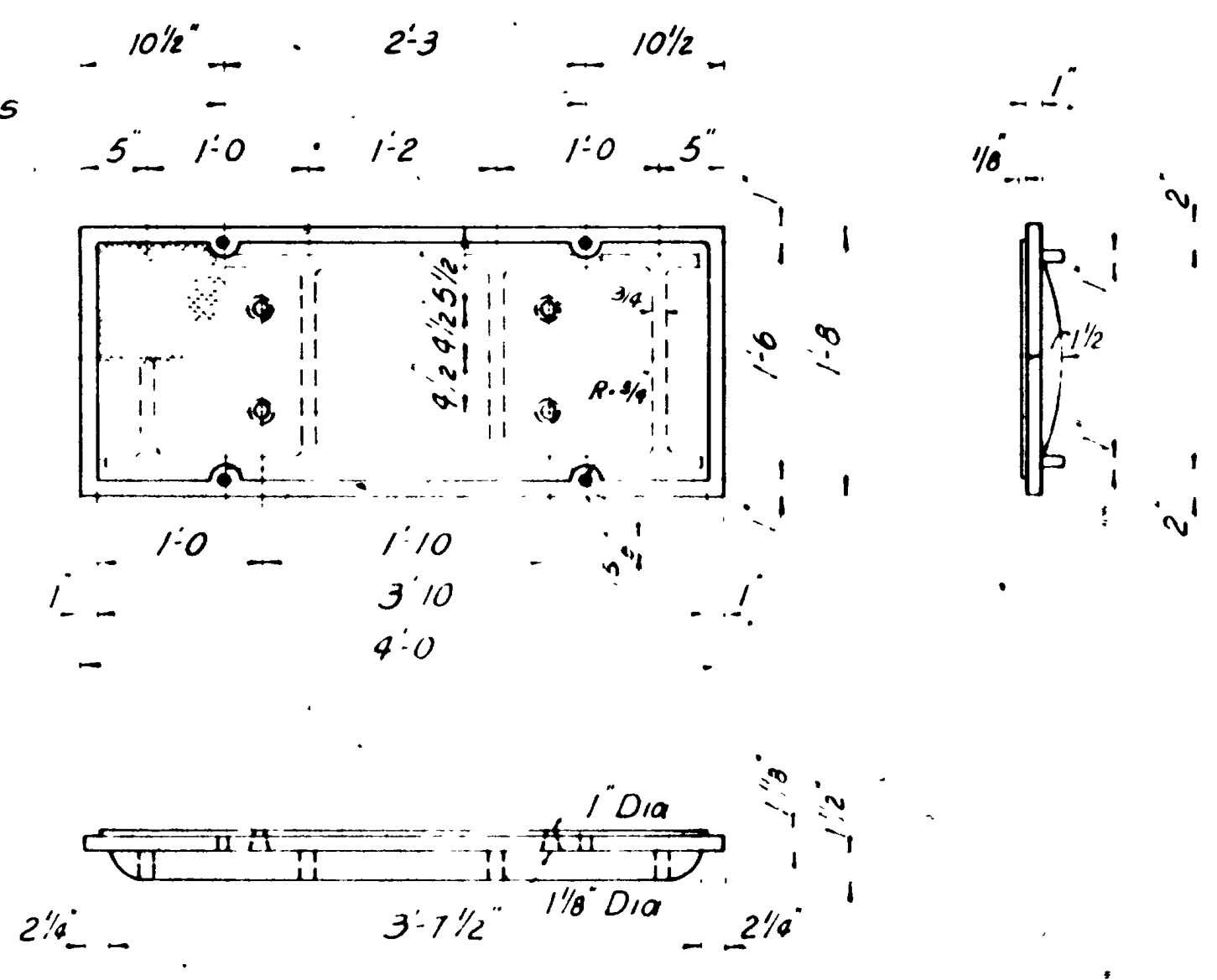
Excavation for structures: 4 cu yd
 Concrete Class A (A1): 13 cu yd
 Reinforcing steel: 142 LB
 Backfill: 25 cu yd

1	B.K.M. 3/27/69	General Notes & Quantities	
NO	BY	DATE	REMARKS
REVISIONS			

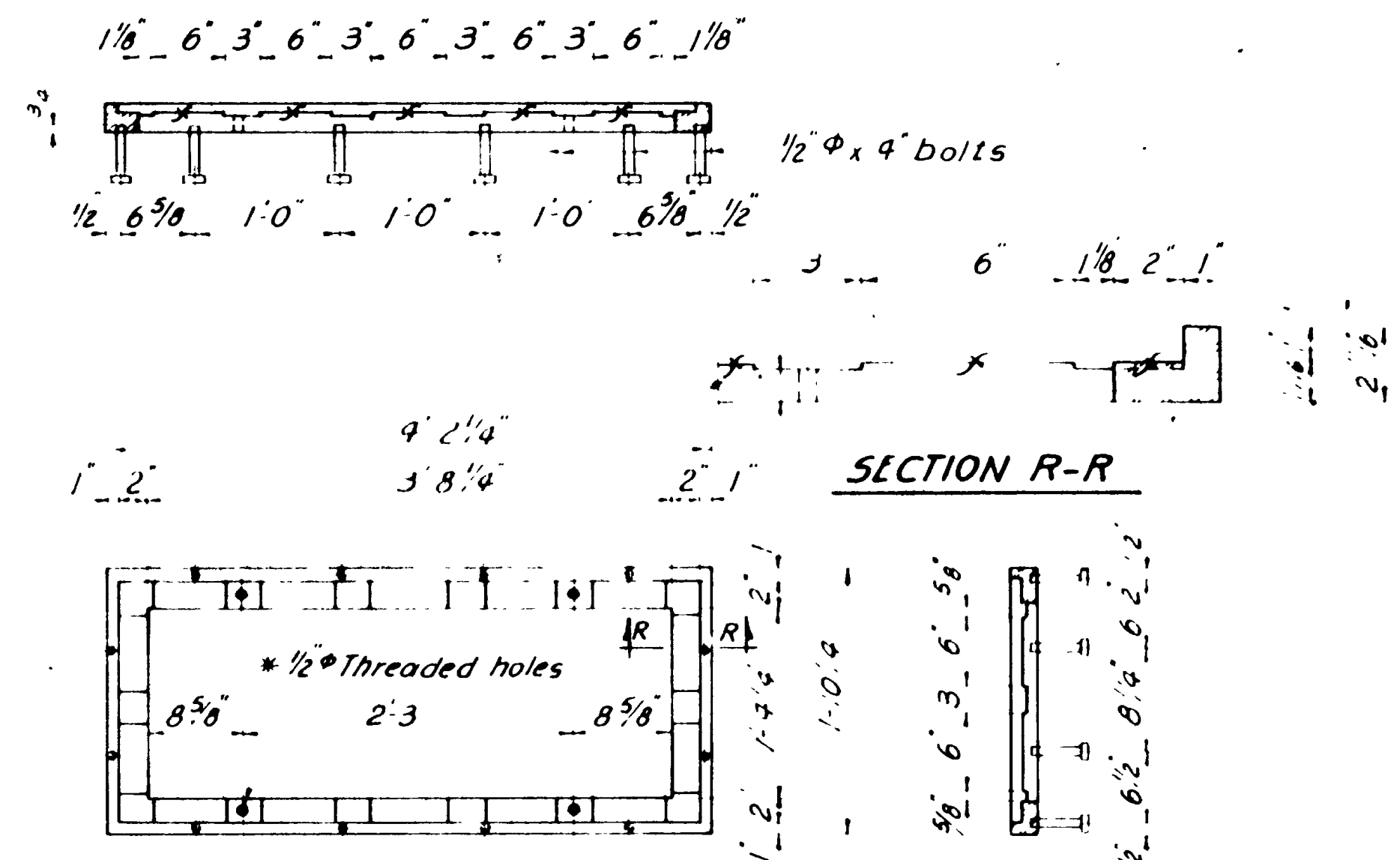
STANDARD SPECIFICATIONS
 24.1.1.1



* 5/8" ϕ open holes for 1/2" ϕ x 1 3/4" Hex bolts with lock washer.



* Furnish bolts and provide holes in cover and frame only when roadway plans require a bolted down cover.



GENERAL NOTES

Materials, Construction, and workmanship shall be in accordance with the Utah Department of Highways Standard Specifications for Road and Bridge Construction, Interim Issue March 1968, and supplements thereto which are in effect at the date of request for bids.

All reinforcing steel shall be deformed billet steel bars conforming to A S T M designation A 615-68, Grade 40.

Unless otherwise shown, all reinforcing steel shall be #5 bars spaced 12" on center with dimensions shown indicating out to out of bars

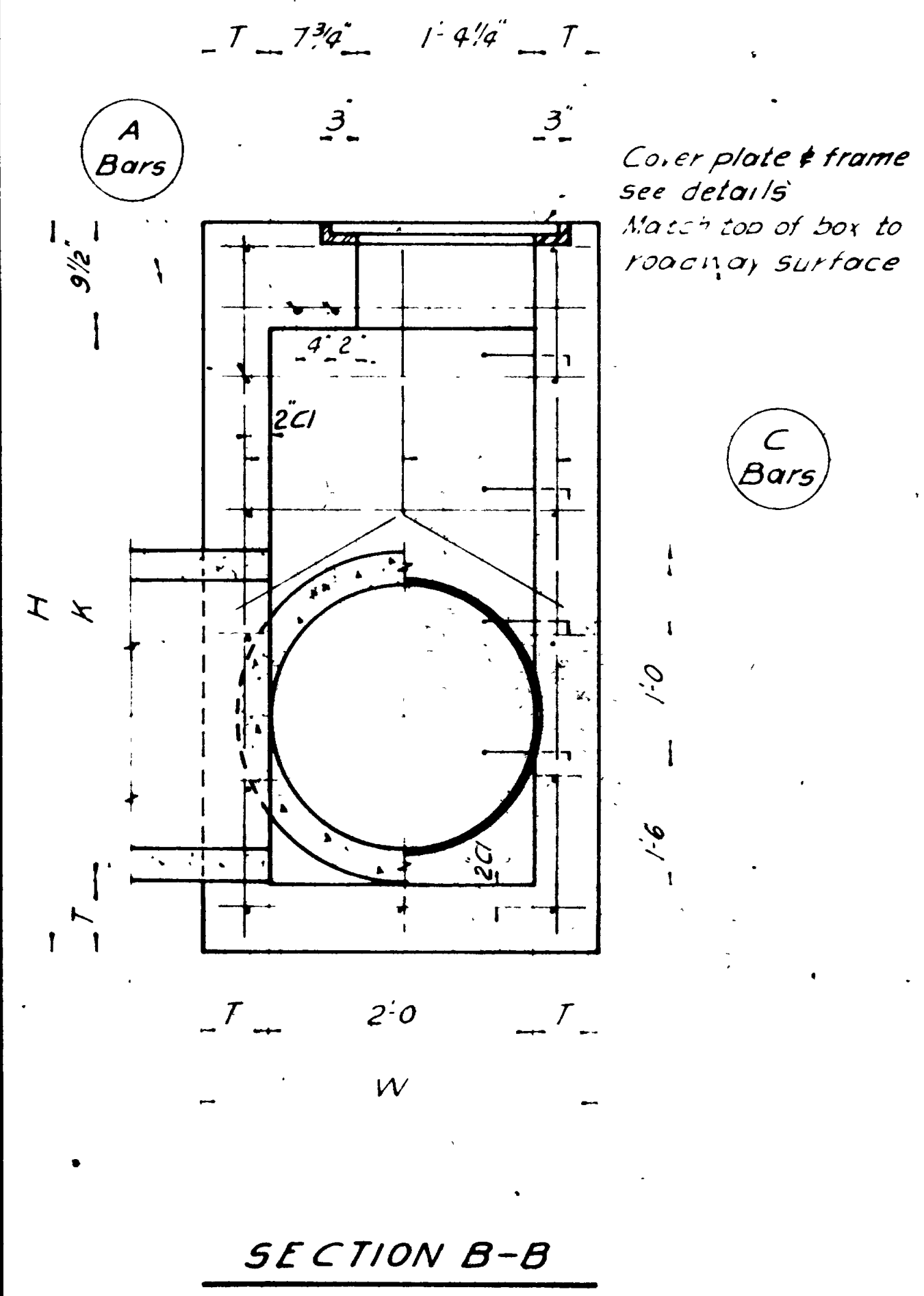
Class A Concrete (AE) Type II cement (low alkali) required.

Excavation for structures does not include excavation for pipe.

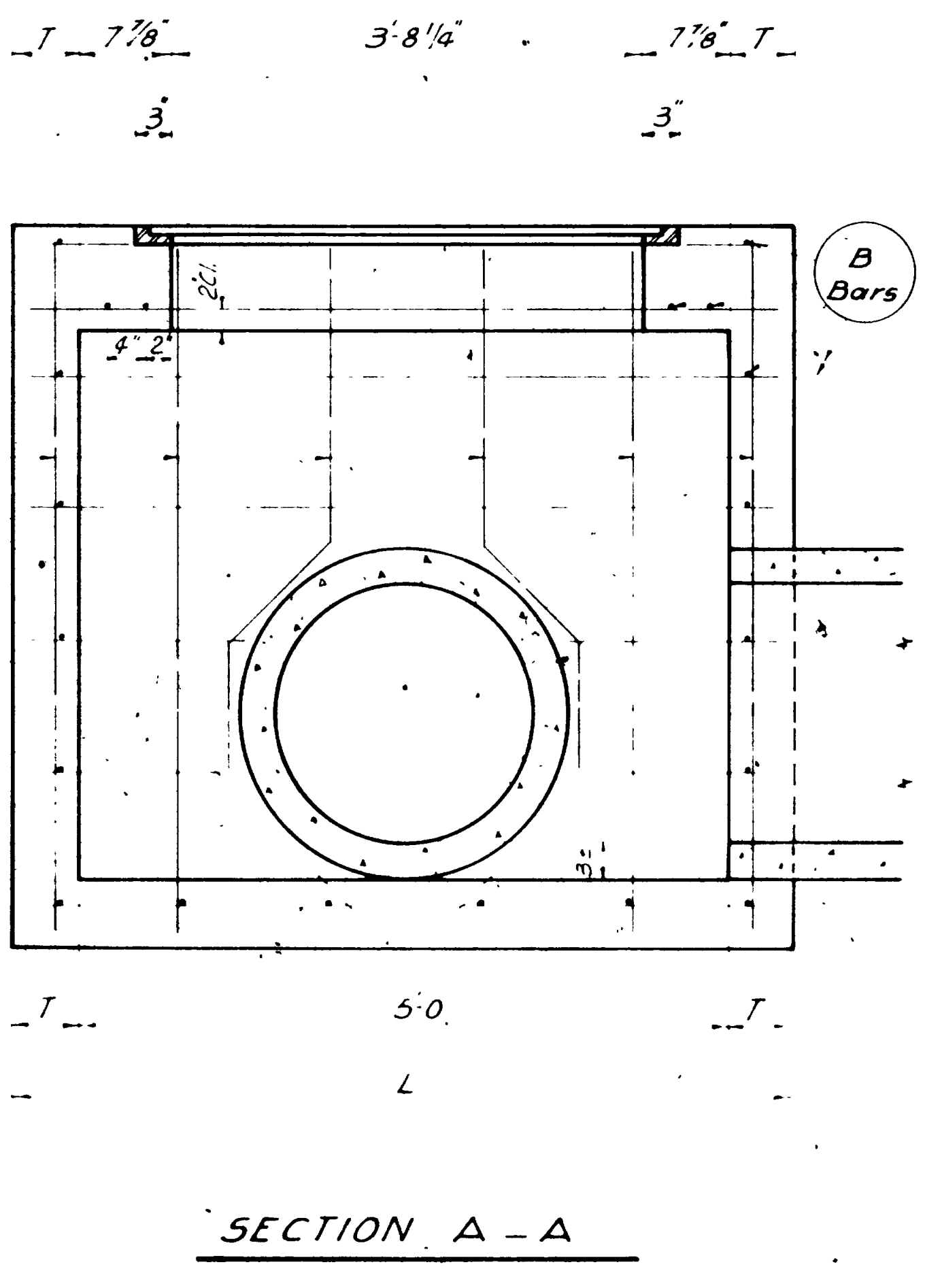
Cover plate and frame may be furnished in either ductile iron (ASTM A-536, grade 60-95-10) or cast steel (AASHTO M-192, class 90) at the option of the contractor. Payment for furnishing and placing cover plate and frame will be paid for as Structural Steel.

A unit cleanout shall include cover plate, frame and box complete. Quantities shown are for one unit only. See "List of Structures" for size and kind of pipe, stations, height and number of units required.

The bottom slab of box shall be formed to fit the invert of the pipe when required by the "List of Structures" and 0.3 cubic yards of concrete shall be added to the quantities.



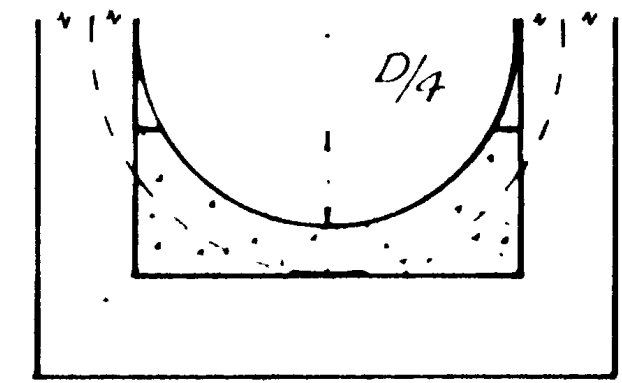
Cover plate & frame see details Match top of box to roadway surface



Weight: One cover plate and frame = 474 lb.

SCHEDULE OF INSTALLATION

LINE	DIMENSIONS					REINFORCING STEEL				TOTAL QUANTITIES							
	H	L	W	K	T	A BARS No	B BARS No	C BARS No	D BARS No	Rein Steel Lb	Struct Steel Lb	Conc CU Yd	Excav CU Yd	Backfill CU Yd			
1	3'-0"	6'-0"	3'-0"	1'-8 1/2"	6"	9	5-8	14	2-8	14	2-8	3-4	131	474	1.1	4.5	2.5
2	3'-6"			2'-2"		11		16			3-2		156		1.3	5.0	3.0
3	4'-0"			2'-8"		11		16			3-8	2	173		1.4	6.0	3.5
4	4'-6"			3'-2"		13		18			4'-2	2	198		1.6	6.5	3.5
5	5'-0"			3'-8"		13		18			4'-8	3	210		1.7	7.5	4.0
6	5'-6"			4'-2"		15		20			5'-2	3	235		1.9	8.0	4.5
7	6'-0"			4'-8"		15		20			5'-8	4	247		2.0	9.0	5.0
8	6'-6"			5'-2"		17		22			6'-2	4	272		2.2	9.5	5.5
9	7'-0"			5'-8"		17		22			6'-8	5	284		2.3	10.5	5.5
10	7'-6"	6'-0"	3'-0"	6'-2"	6"	19	5-8	24	2-8	7-2	5	309		2.4	11.0	6.0	
11	8'-0"	6'-4"	3'-4"	6'-6"	8"	19	6'-0	24	3'-0	7-8	6	336		3.6	13.0	7.0	
12	8'-6"			7'-0"		21		26			8'-2	6	362		3.8	14.0	7.5
13	9'-0"			7'-6"		21		26			8'-8	7	374		4.0	15.0	8.0
14	9'-6"			8'-0"		23		28			9-2	7	400		4.2	15.5	8.0
15	10'-0"			8'-6"		23		28			9'-8	8	413		4.4	16.5	8.5
16	10'-6"			9'-0"		25		30			10'-2	8	439		4.6	17.5	9.0
17	11'-0"			9'-6"		25		30			10'-8	9	451		4.8	18.0	9.5
18	11'-6"			10'-0"		27		32			11'-2	9	477		5.0	19.0	10.0
19	12'-0"			10'-6"		27		32			11'-8	10	489		5.2	19.5	10.5
20	12'-6"			11'-0"		29		34			12'-2	10	516		5.4	20.5	11.0
21	13'-0"			11'-6"		29		34			12-8	11	528		5.6	21.5	11.0
22	13'-6"			12'-0"		31		36			13-2	11	554		5.8	22.0	11.5
23	14'-0"			12'-6"		31		36			13-8	12	566		6.0	23.0	12.0
24	14'-6"			13'-0"		33		38			14-2	12	592		6.2	23.5	12.5
25	15'-0"			13'-6"		33		38			14-8	13	605		6.4	24.5	13.0
26	16'-0"	6'-4"	3'-4"	14'-6"	8"	35	6'-0	40	3'-0	14	15-8	14	643	474	6.9	26.5	14.0



DESIGN DATA

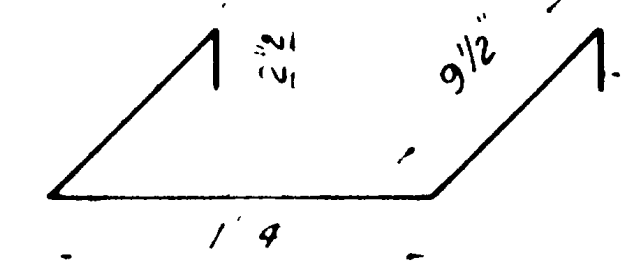
H15-44 Loading in accordance with the AASHTO Specifications of 1965 and Interim Specifications

$f_s = 20,000$ psi for Structural Steel

$f_s = 20,000$ psi for Reinforcing Steel

$f_c = 1200$ psi

$n = 10$



Bar D #6, Length 3'-4" weight = 5 lb
When H is 4' or over ladder rungs shall be provided.

2 BKM 12269 General Notes
1 BKM 8 308 New Drawing

UTAH STATE DEPARTMENT OF HIGHWAYS
SALT LAKE CITY, UTAH
STRUCTURES DIVISION

STANDARD CLEANOUT BOX FOR MAXIMUM PIPE SIZES 24" RCP OR 24" CSP

DESIGN W.G.T.	CHECK	PROJECT NUMBER
DRAWN BKM 5/20/68	CHECK PHB 8/6/68	
QUANTITY BHM 5/22/68	CHECK PHB 8/6/68	STATION
APPROVAL DATE: Aug 13, '68 BY: J.C. Chirwa GROUP LEADER	APPROVED	COUNTY
REVISIONS	DRG. NO. V-777	1 OF 1