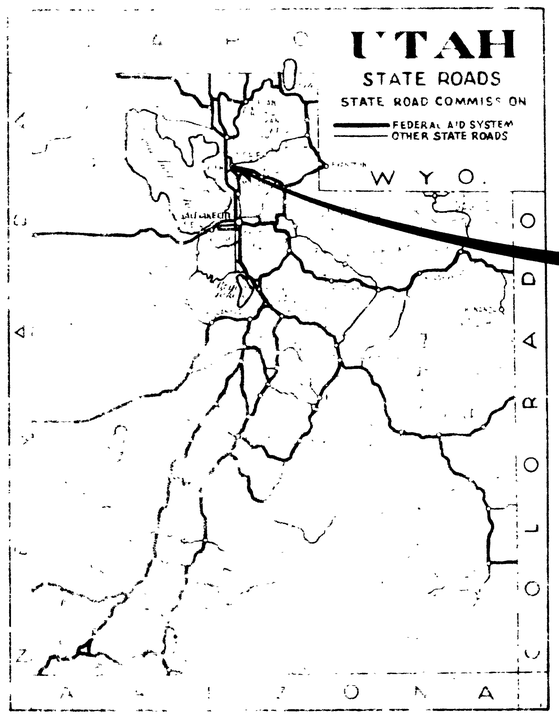
FED ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
UTAH	UTAH	NS-561(4)		1	12



STATE OF UTAH
STATE ROAD COMMISSION

PLANS OF PROPOSED STATE ROAD
AS CONSTRUCTED

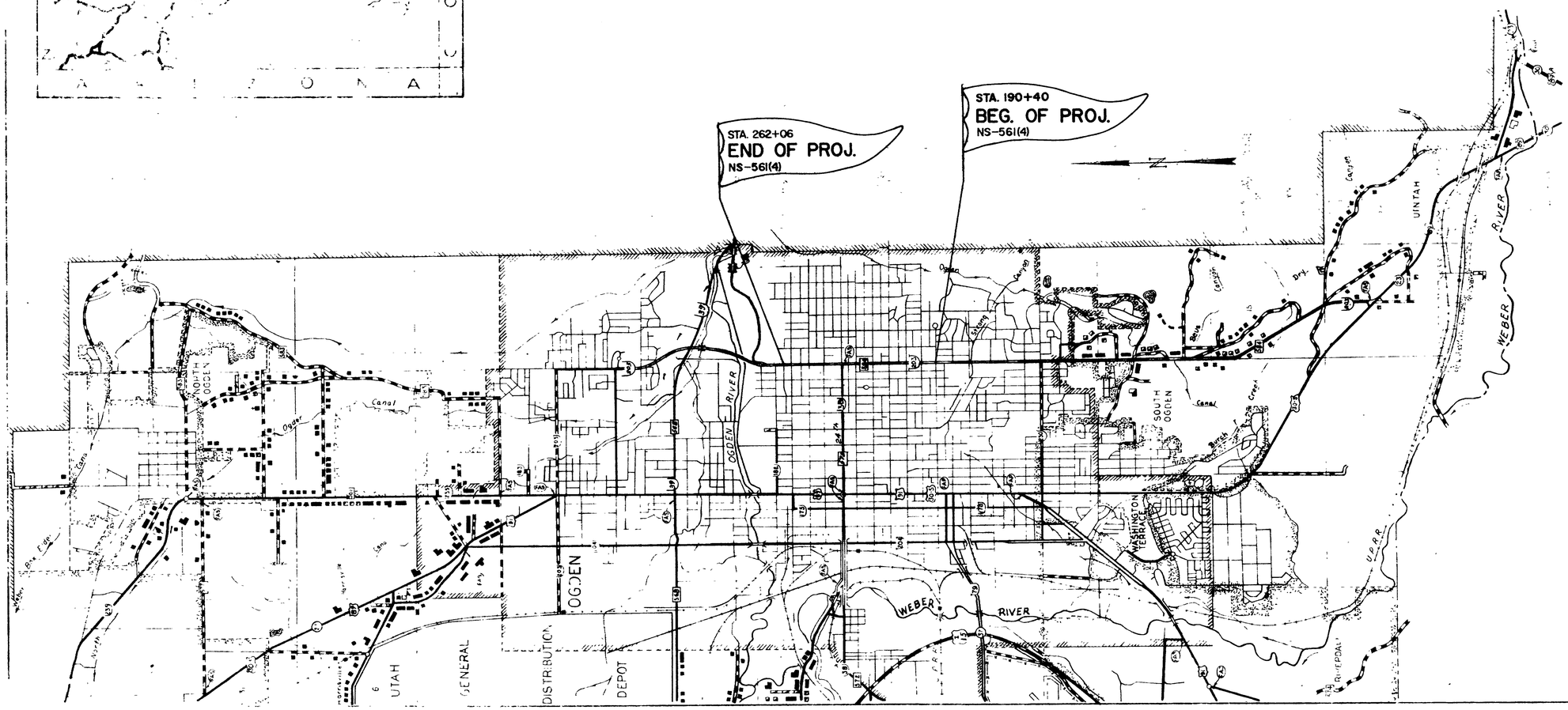
HARRISON BOULEVARD *SEAL COAT*

NS-561(4)

WEBER COUNTY

LENGTH 1.357 MILES

INDEX TO SHEETS



UTAH STATE DEPARTMENT OF HIGHWAYS

RECOMMENDED FOR APPROVAL JULY 1969

CHIEF ROADWAY DESIGN DIVISION

RECOMMENDED FOR APPROVAL JULY 1969

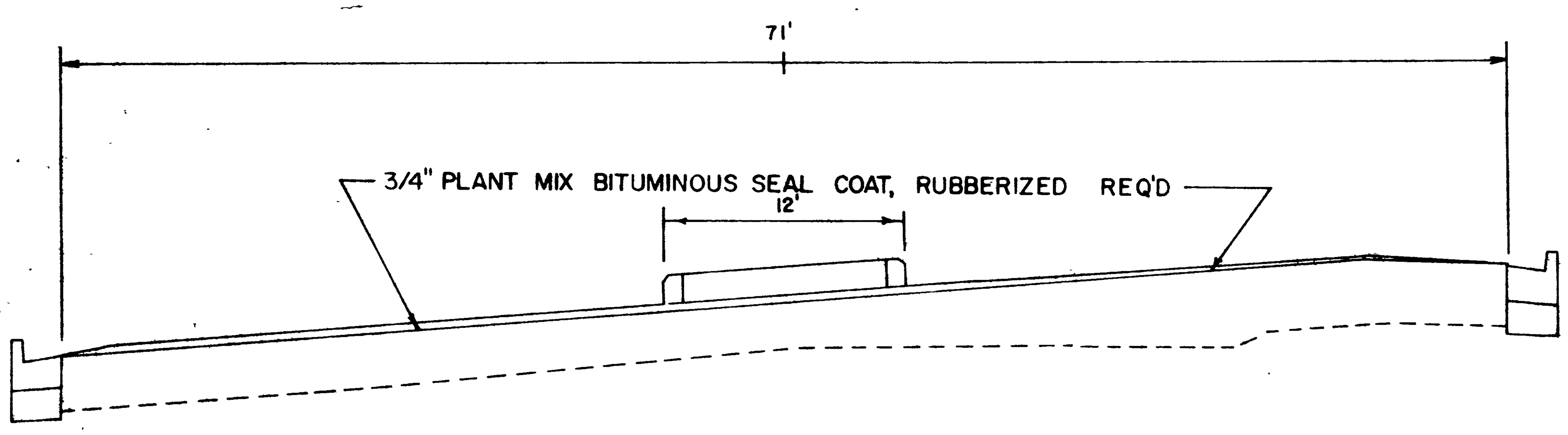
ENGINEER FOR PRECONSTRUCTION

APPROVED JULY 1969

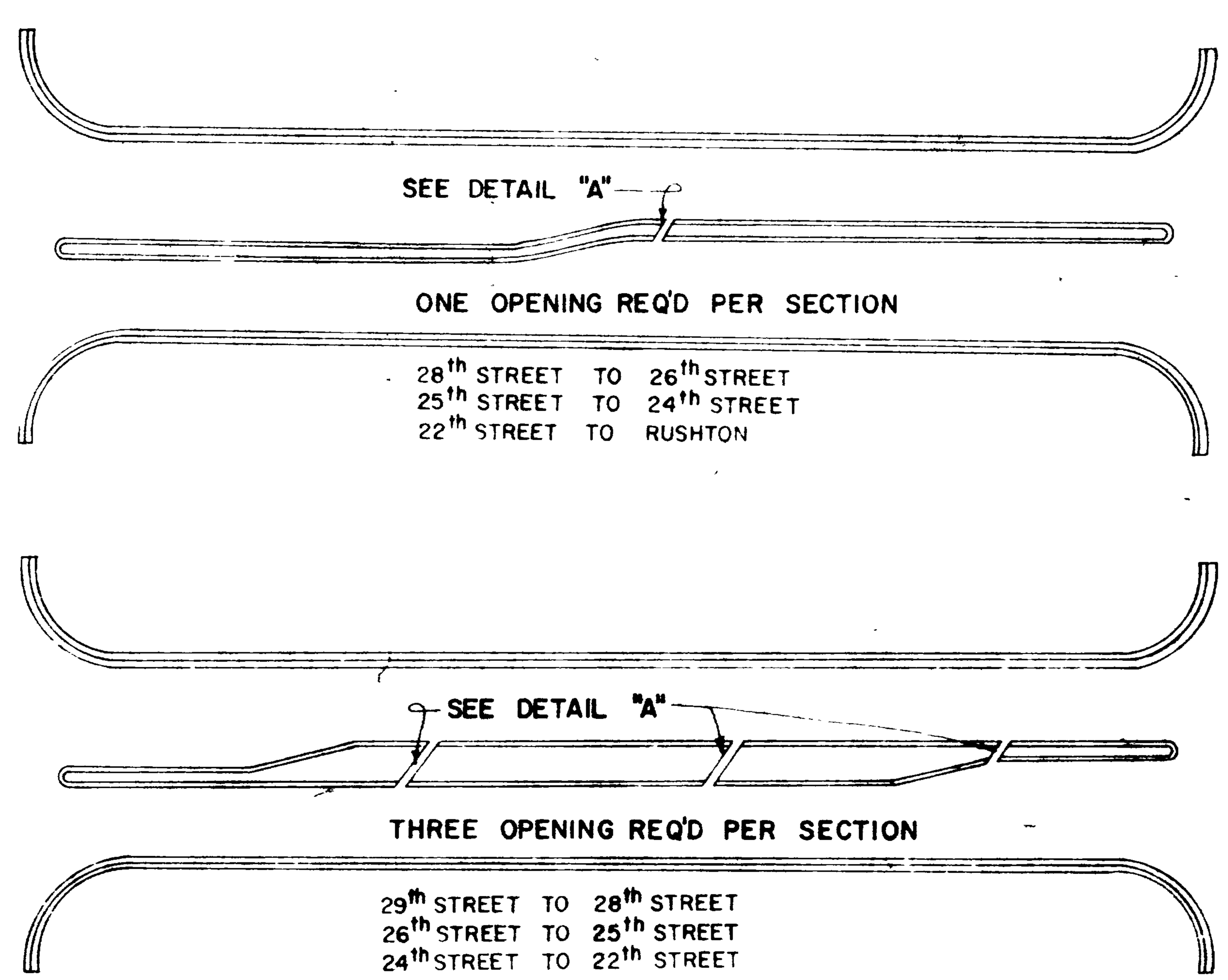
STATE HIGHWAY ENGINEER

FED ROAD DIST NO	STATE	PROJ NO	FISCAL YEAR	SHEET NO	TOTAL SHEETS
UTAH	UTAH	NS-581(4)		2	12

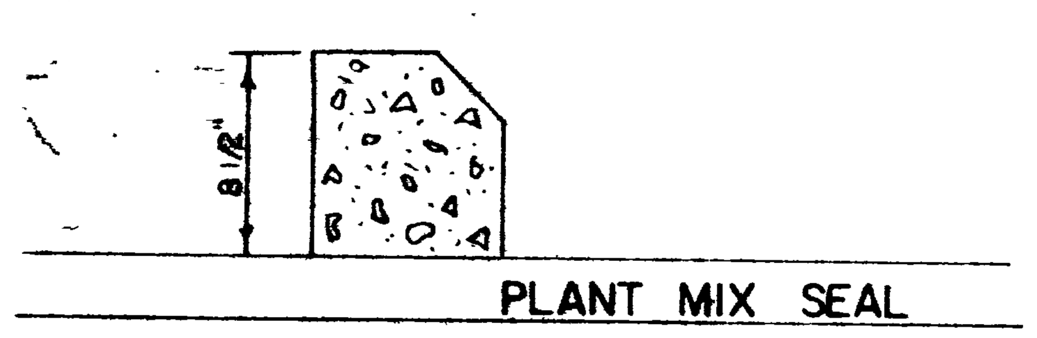
TYPICAL SECTION & SUMMARY SHEET



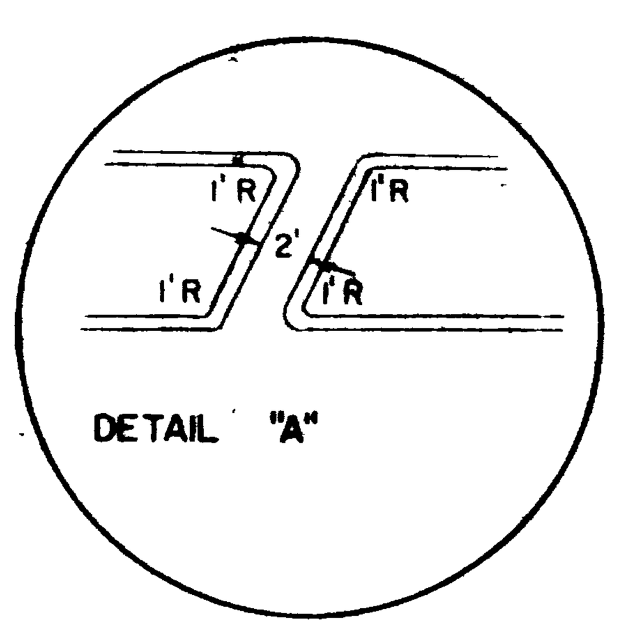
STA. 190+40 TO STA. 262+06



MEDIAN DRAINAGE OPENINGS



TYPE "D" CURB



DETAIL "A"

MISC

NAME	UNIT	QUANTITY
MOBILIZATION	LUMP	•
FLAGGING	MN HR	~~220~~ 208
CONCRETE CURB, TYPE "D"	LIN FT	~~12,000~~ 12439.5
CONCRETE MEDIAN FILLER	SQ YD	~~1,500~~ 1355.25
RECONSTRUCT CLEANOUT-MANHOLE & MONUMENT BOXES	EACH	~~83~~ 89

STATION 190+40 BEGIN PROJECT

STATION 262+06 END PROJECT

PROJECT LENGTH 7165 FT 1357 MILE

7165 1357 MILE

UNTREATED BASE 3/4" MAX UNTREATED BASE

RAISED MEDIAN ~~864.0~~ 770.82

USE ~~2500~~ 770.82

BITUMINOUS MATERIAL TYPE RC-70 OR RC-250 RUBBERIZED (0 06 GAL /SQ. YD)	7165 x 71 x 006 / 2241 = 1362 TON		USE ~~15~~ 0 TON
BITUMINOUS MATERIAL TYPE 85-100 PENETRATION ASPHALT, RUBBERIZED (10% & 55%)	010 x 23528 = 23528 TON	RAISED MEDIAN 0055 x 16745 = 921 TON	USE ~~260~~ 293.94 TON
PLANT MIX BITUMINOUS SEAL COAT	7165 x 71 x 00625 x 0074 = 23528 TON		USE ~~2470~~ 2841.30 TON
BITUMINOUS SURFACE COURSE 3/4" MAX (148LBS/CU FT)	RAISED MEDIAN	16745 TON	USE ~~180~~ 182.10 TON
RUBBER LATEX	003 x 1362 x 37736 = 154 2 GAL 003 x 235 28 x 37736 = 266355 GAL 281775 GAL		USE ~~2960~~ 3439.55 GAL

SUMMARY OF ITEMS

NAME	UNIT	QUANTITY
MOBILIZATION	LUMP	•
FLAGGING	MN HR	~~220~~ 208
CONCRETE CURB TYPE "D"	LIN. FT.	~~12,000~~ 12439.5
CONCRETE MEDIAN FILLER	SQ YD	~~1500~~ 1355.25
BITUMINOUS MAT TYPE RC-70 OR RC-250 RUBBERIZED	TON	~~15~~ 0
UNTREATED BASE COURSE 3/4" MAX	TON	~~950~~ 770.82
BITUMINOUS SURFACE COURSE 3/4" MAX.	TON	~~180~~ 182.10
BITUMINOUS MAT. TYPE 85-100 PEN ASPHALT	TON	~~260~~ 293.94
PLANT MIX BIT SEAL COAT	TON	~~2470~~ 2841.30
RUBBER LATEX	GAL.	~~2960~~ 3439.55
RECONSTRUCT CLEANOUT—MANHOLE & MONUMENT BOXES	EACH	~~83~~ 89
S.A. No. 1 - Bituminous Mat. Type RC-250	TON	4.63

I hereby certify that the above listed quantities are correct.

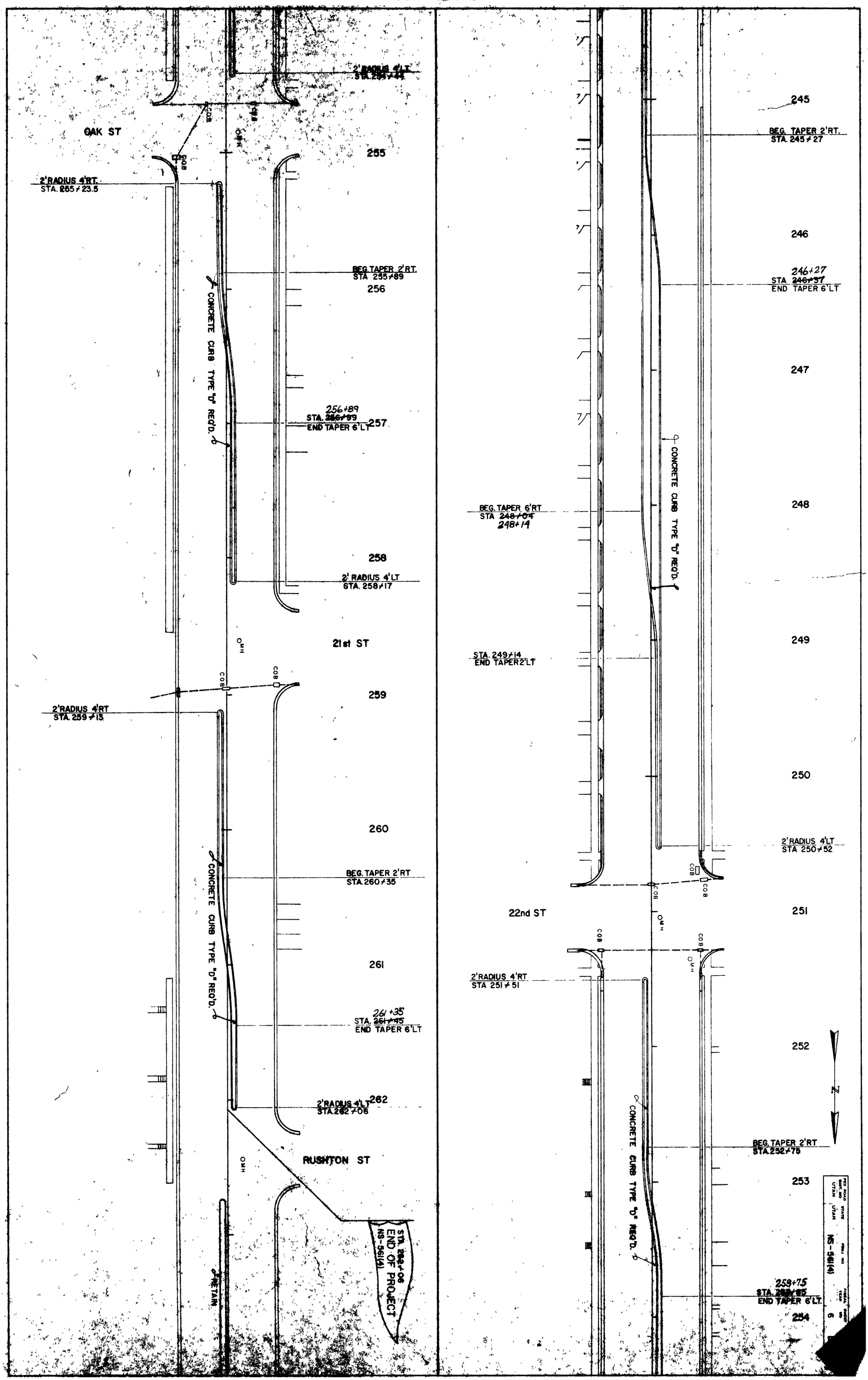
11/25/69 William L. Smith

William L. Smith
Project Engineer

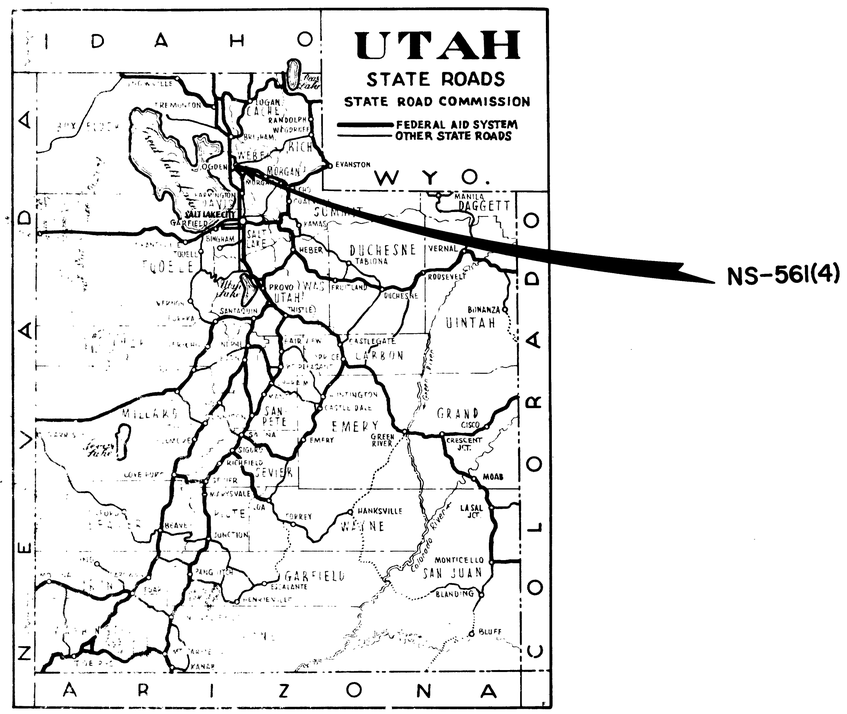
FED ROAD DIST NO	STATE	PROJ NO	FISCAL YEAR	SHEET NO	TOTAL SHEETS
UTAH	UTAH	NS-561(4)		3	12

FED ROAD DIST NO | STATE | PROJ NO | FISCAL YEAR | SHEET NO | TOTAL SHEETS
UTAH | UTAH | NS-561(4) | 4
N
206
207
BEG. OF TAPER 2'RT
STA. 207+05
208
END OF TAPER 6'LT
STA. 208+15 208+05
2' RADIUS
STA. 208+59
209
210
BEG. OF TAPER 2'RT
STA. 210+13
211
211+13
STA. 211+23
END OF TAPER 6'LT
212
2' RADIUS 4'LT
STA 212+37
213
214
BEG OF TAPER 2'RT
STA 214+70
215
215+70
STA 215+80
END OF TAPER 6'LT
CONCRETE CURB TYPE "D" REQ'D.
CONCRETE CURB TYPE "D" REQ'D.
CONCRETE CURB TYPE "D" REQ'D
M.H
COB
MARILYN DRIVE
2' RADIUS 4'RT
STA 209+43
27th ST
2' RADIUS 4'RT
STA 213+32
STA 215+80
END OF TAPER 6'LT.
216
2' RADIUS
STA. 216+40
217
BEG. OF TAPER 2'RT.
STA 217+76
218
218+76
STA 218+86
END OF TAPER 6'LT.
219
220
2' RADIUS 4'LT.
221
222
BEG. OF TAPER 2'RT
STA 222+34
223
223+34
STA 223+44
END OF TAPER 6'LT
224
225
CONCRETE CURB TYPE "D" REQ'D.
CONCRETE CURB TYPE "D" REQ'D.
BINFORD ST
2' RADIUS 4'RT.
STA. 217+12
26th ST
2' RADIUS 4'RT.
STA. 220+96
BEG. OF TAPER 6'RT
STA. 225+13
225+23


235
2'RADIUS 4'LT.
24th ST
236
2'RADIUS 4'RT.
STA 236+23
237
BEG. TAPER 2'RT.
STA 237+61
CONCRETE CURB TYPE "D" REQ'D.
238
238+61
STA. 238+71
END TAPER 6'LT.
239
240
BEG. TAPER 6'RT.
240+54
241
M.H.
STA. 241+54
END TAPER 2'LT.
242
2'RADIUS 4'LT
STA 242+92
243
C.O.B.
226
STA. 226+25
END OF TAPER 4'LT.
227
2'RADIUS 4'LT.
STA. 227+63
25th ST
228
M.H.
2'RADIUS 4'RT.
STA. 228+56
229
CONCRETE CURB TYPE "D" REQ'D
BEG. OF TAPER 2'RT
STA229+94
230
230+94
STA 231+04
END OF TAPER 6'LT
231
2'RADIUS 4'LT.
STA. 231+55
CAPITOL ST
232
2'RADIUS 4'RT.
STA. 232+33
BEG. OF TAPER2'RT
STA. 232+90
233
N
234


OAK ST
2' RADIUS 4' LT
STA. 254+44
2' RADIUS 4' RT.
STA. 255+23.5
255
BEG. TAPER 2' RT.
STA 255+89
256
CONCRETE CURB TYPE "D" REQ'D.
256+89
STA. 256+99
END TAPER 6' LT
257
258
2' RADIUS 4' LT
STA. 258+17
21st ST
259
2' RADIUS 4' RT
STA. 259+13
260
BEG. TAPER 2' RT
STA. 260+35
CONCRETE CURB TYPE "D" REQ'D.
261
261+35
STA. 261+45
END TAPER 6' LT
262
2' RADIUS 4' LT
STA. 262+06
RUSHTON ST
STA. 262+06
END OF PROJECT
NS-56(14)
2" RETAIN
245
BEG. TAPER 2' RT.
STA. 245+27
246
246+27
STA. 246+37
END TAPER 6' LT
247
CONCRETE CURB TYPE "D" REQ'D.
BEG. TAPER 6' RT
STA 248+04
248+19
248
STA. 249+14
END TAPER 2' LT
249
250
2' RADIUS 4' LT
STA 250+52
22nd ST
251
2' RADIUS 4' RT
STA 251+51
252
CONCRETE CURB TYPE "D" REQ'D.
BEG. TAPER 2' RT
STA. 252+75
253
258+75
STA. 258+85
END TAPER 6' LT
254
NS-56(14)
COB
OMH

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
UTAH	UTAH	NS-561(4)		1	12



STATE OF UTAH
STATE ROAD COMMISSION

PLANS OF PROPOSED STATE ROAD

HARRISON BOULEVARD

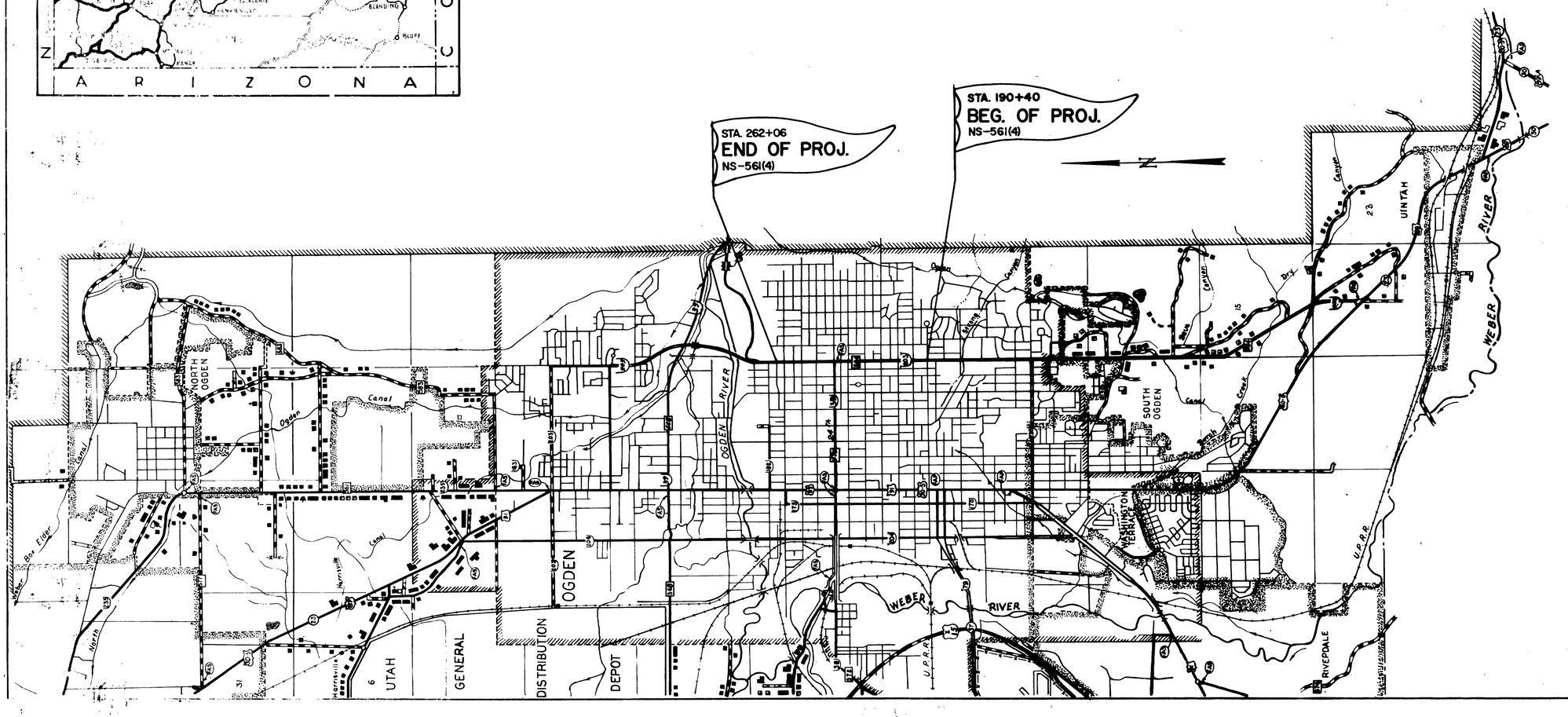
NS-561(4)

WEBER COUNTY

LENGTH 1.357 MILES

INDEX TO SHEETS

SHEET NO.	DESCRIPTION	DRAWING NO	STATION
1	TITLE SHEET		
2	TYPICAL & SUMMARY SHEET		
3-6	PLAN SHEETS		
7-11	CONSTRUCTION SIGNING	745-1A-1E	
12	RAISED MEDIAN	815-5	



UTAH STATE DEPARTMENT OF HIGHWAYS

RECOMMENDED FOR APPROVAL JULY 1969

Ross D. Wilson
Acting CHIEF ROADWAY DESIGN DIVISION

RECOMMENDED FOR APPROVAL JULY 1969

David L. Stevenson
ENGINEER FOR PRECONSTRUCTION

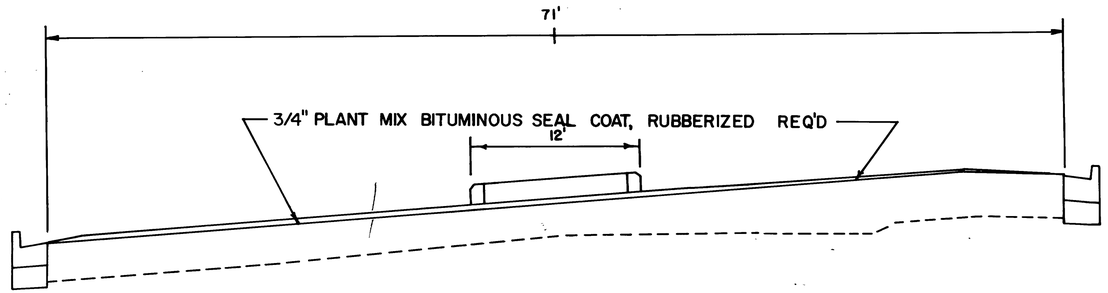
APPROVED JULY 1969

Blaine J. Kay
STATE HIGHWAY ENGINEER

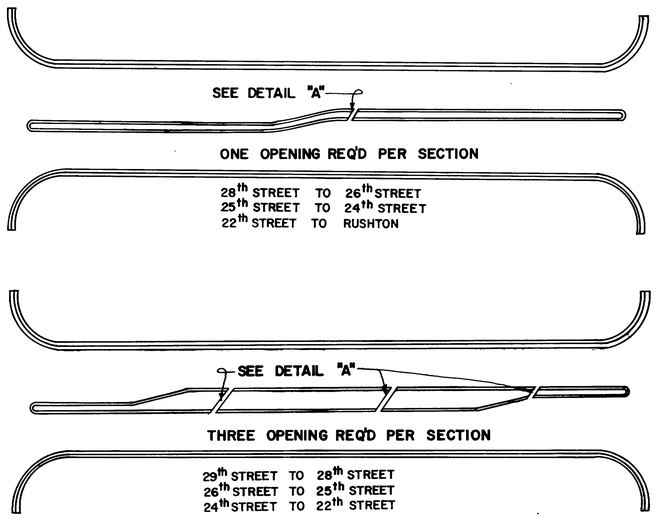
FED ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
UTAH	UTAH	NS-561(4)		2	12

I-70

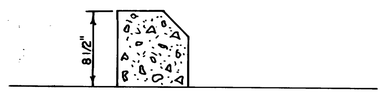
TYPICAL SECTION & SUMMARY SHEET



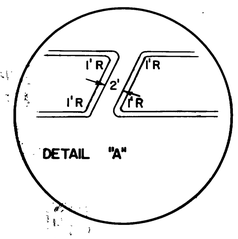
STA. 190+40 TO STA. 262+06



MEDIAN DRAINAGE OPENINGS



TYPE "D" CURB



DETAIL "A"

MISC.

NAME	UNIT	QUANTITY
MOBILIZATION	LUMP	•
FLAGGING	MN. HR.	220
CONCRETE CURB TYPE "D"	LIN. FT.	12,000
CONCRETE MEDIAN FILLER	SQ. YD.	1,500
RECONSTRUCT CLEANOUT- MANHOLE & MONUMENT BOXES	EACH	~~83~~ 81

STATION 190+40 BEGIN PROJECT
EQUATION BK. AH.
BK. AH.
BK. AH.
BK. AH.

STATION 262+06 END PROJECT
PROJECT LENGTH 7165 FT. 1.357 MILES
MINUS BRIDGE LENGTH FT. MILES
ROADWAY LENGTH 7165 FT. 1.357 MILES

BRIDGES OVER 20' LENGTH
STATION 0-0
STATION 0-0

GRAVEL SURFACING

STATION TO STATION	LENGTH	AVE. WIDTH	DEPTH	UNTREATED BASE COURSE 3/4" MAX. (140 LBS./CU.FT.)	UNTREATED BASE COURSE MAX. (140 LBS./CU.FT.)		CONSTRUCTION SOURCE REFERENCE FIELD BOOK	CONSTRUCTION SOURCE REFERENCE PAGE
	FT.	FT.	IN.	TONS	TONS			
RAISED MEDIAN				864.0				
USE				950.0				

BITUMINOUS QUANTITIES

			CONSTRUCTION SOURCE REFERENCE FIELD BOOK	CONSTRUCTION SOURCE REFERENCE PAGE
BITUMINOUS MATERIAL TYPE RC-70 OR RC-250 RUBBERIZED (0.06 GAL./SQ. YD.)	$\frac{7165 \times 71 \times 0.06}{2241}$ = 13.62 TON	USE 15 TON		
BITUMINOUS MATERIAL TYPE 85-100 PENETRATION ASPHALT, RUBBERIZED (10% & 5.5%)	0.10 x 2352.8 = 235.28 TON RAISED MEDIAN 0.055 x 167.45 = 9.21 TON	USE 260 TON		
PLANT MIX BITUMINOUS SEAL COAT	7165 x 71 x 0.0625 x 0.074 = 2352.8 TON	USE 2470 TON		
BITUMINOUS SURFACE COURSE 3/4" MAX. (148 LBS/CU.FT.)	RAISED MEDIAN 167.45 TON	USE 180 TON		
RUBBER LATEX	0.03 x 13.62 x 377.36 = 154.2 GAL. 0.03 x 235.28 x 377.36 = $\frac{2663.55 \text{ GAL.}}{2817.75 \text{ GAL.}}$	USE 2960 GAL.		

SUMMARY OF ITEMS

NAME	UNIT	QUANTITY
MOBILIZATION	LUMP	•
FLAGGING	MN. HR.	220
CONCRETE CURB TYPE "D"	LIN. FT.	~~12000~~ 13440
CONCRETE MEDIAN FILLER	SQ YD	1,500
BITUMINOUS MAT. TYPE RC-70 OR RC-250 RUBBERIZED	TON	~~15~~ D
UNTREATED BASE COURSE 3/4" MAX.	TON	950 ~~770~~
BITUMINOUS SURFACE COURSE 3/4" MAX.	TON	180
BITUMINOUS MAT. TYPE 85-100 PEN. ASPHALT	TON	~~260~~ 296
PLANT MIX BIT. SEAL COAT	TON	~~2470~~ 2841
RUBBER LATEX	GAL.	~~2960~~ 3423
RECONSTRUCT CLEANOUT-MANHOLE & MONUMENT BOXES	EACH	~~83~~ 81

NOTE:
QUANTITIES SHOWN ON THESE PLANS ARE APPROXIMATE.

SHEET 1 OF 1

REVISIONS
DATE | BY | DATE

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
UTAH	UTAH	NS-561(4)		3	12

STA. 190+00
BEG. OF PROJECT
NS-561(4)

N

190 191 192 193 194 195 196

BEG. TAPER 2'RT.
STA. 191+79.5

STA. 192+89.5
END OF TAPER

M.H.

M.H.

CONCRETE CURB TYPE "D" REQ'D.

M.H.

C.O.B.

W.V.

30th ST

2'RADIUS 4'RT
STA. 190+41.5

BEG. OF TAPER 6'RT
STA. 194+73

STA 195+73
END OF TAPER

197 198 199 200 201 202 203 204 205 206

BEG. OF TAPER 2'RT
STA. 199+48

END OF TAPER 6'LT
STA. 200+45

2'RADIUS 4'LT
STA. 204+69

C.O.B.

M.H.

M.H.

M.H.

M.H.

CONCRETE CURB TYPE "D" REQ'D.

M.H.

C.O.B.

2'RADIUS 4' LT
STA. 197+11

29th ST

2'RADIUS 4'RT.
STA. 198+10

BEG. OF TAPER 6'RT
STA. 202+31

STA 203+31
END OF TAPER 2'LT

28th ST

2'RADIUS 4'RT.
STA. 205+67

REVISIONS

DATE	BY	DATE	BY

REVISIONS			
DATE	BY	DATE	BY

STA. 215+80
END OF TAPER 6'LT.

216

2' RADIUS
STA. 216+40

BINFORD ST

M.H.

217

2'RADIUS 4'RT.
STA. 217+12

BEG. OF TAPER 2'RT.
STA. 217+76

218

CONCRETE CURB TYPE "D" REQ'D.

STA. 218+86
END OF TAPER 6'LT.

219

2'RADIUS 4'LT.

220

C.O.B.

C.O.B.

C.O.B.

26th ST

M.H.

C.O.B.

C.O.B.

C.O.B.

2'RADIUS 4'RT.
STA. 220+96

221

222

BEG. OF TAPER 2'RT.
STA. 222+34

CONCRETE CURB TYPE "D" REQ'D.

223

STA. 223+44
END OF TAPER 6'LT

224

225

BEG. OF TAPER 6'RT
STA. 225+13

206

CONCRETE CURB TYPE "D" REQ'D.

207

BEG. OF TAPER 2'RT.
STA. 207+05

208

END OF TAPER 6'LT.
STA. 208+15

2' RADIUS
STA. 208+59

C.O.B.

MARILYN DRIVE

M.H.

209

C.O.B.

2'RADIUS 4'RT.
STA. 209+43

210

BEG. OF TAPER 2'RT.
STA. 210+13

CONCRETE CURB TYPE "D" REQ'D.

211

STA. 211+23
END OF TAPER 6'LT.

212

2' RADIUS 4'LT
STA. 212+37

M.H.

M.H.

C.O.B.

27th ST

M.H.

213

2'RADIUS 4'RT.
STA. 213+32

214

CONCRETE CURB TYPE "D" REQ'D.

BEG. OF TAPER 2'RT.
STA. 214+70

215

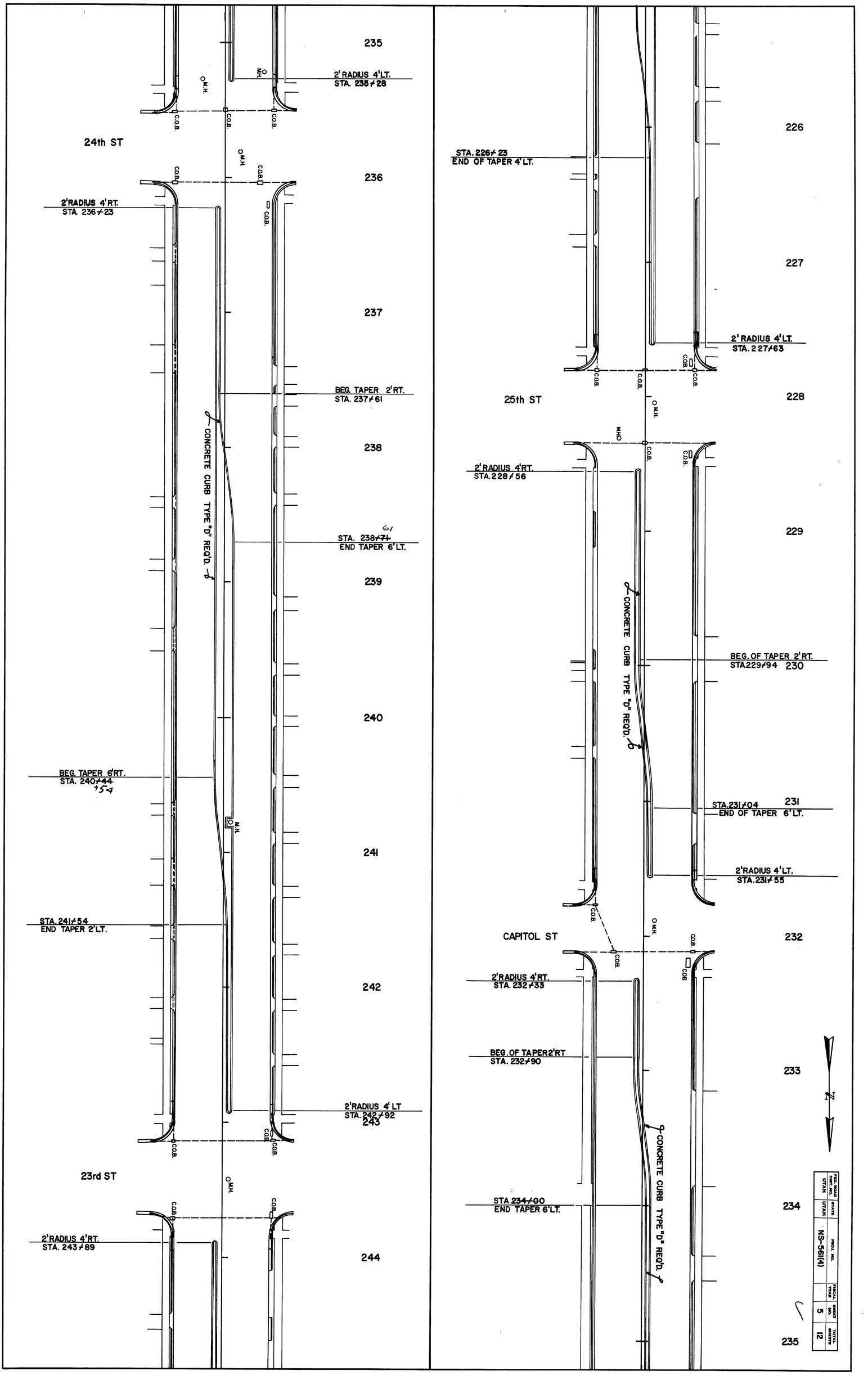
STA. 215+80
END OF TAPER 6'LT.

216

N

FED. ROAD SYSTEM	STATE
UTAH	UTAH
PROJ. NO.	
NS-66(14)	
FISCAL YEAR	SHEET NO.
4	12

REVISIONS			
DATE	BY	DATE	BY



FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
UTAH	UTAH	NS-561(4)		6	12

REVISIONS			
DATE	BY	DATE	BY

245
BEG. TAPER 2'RT.
STA. 245+27
246
127
STA. 246+37
END TAPER 6'LT.
247
248
249
250
2'RADIUS 4'LT.
STA. 250+52
251
252
BEG. TAPER 2'RT
STA. 252+75
253
75
STA. 253+05
END TAPER 6'LT.
254

CONCRETE CURB TYPE "D" REQ'D.
C.O.B.
C.O.B.
C.O.B
M.H.
M.H.
C.O.B.
C.O.B.
CONCRETE CURB TYPE "D" REQ'D.

BEG. TAPER 6'RT.
STA. 248+84.14
STA. 249+14
END TAPER 2'LT.
22nd ST
2'RADIUS 4'RT
STA. 251+51

2'RADIUS 4'LT.
STA. 254+44
255
BEG. TAPER 2'RT.
STA. 255+89
256
159
STA. 256+99
END TAPER 6'LT.
257
258
2'RADIUS 4'LT.
STA. 258+17
21st ST
259
260
BEG. TAPER 2'RT.
STA. 260+35
261
STA. 261+45.35
END TAPER 6'LT.
262
2'RADIUS 4'LT.
STA. 262+06
RUSHTON ST
STA. 262+06
END OF PROJECT
NS-561(4)

C.O.B
M.H.
C.O.B.
C.O.B.
CONCRETE CURB TYPE "D" REQ'D.
C.O.B.
M.H.
M.H.
C.O.B.
CONCRETE CURB TYPE "D" REQ'D.
RETAIN

OAK ST
2'RADIUS 4'RT
STA. 255+23.5
2'RADIUS 4'RT
STA. 259+13

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

DATE	RIGHT OF WAY INSTRUMENTS
6-18-71	ORIGINAL SUBMISSION FOR R/W AUTH

REVISIONS

	R/W DES REV BY	MAPS CORR BY	PARCELS AFFECTED	REQUEST BY	REMARKS

STATE OF UTAH
STATE ROAD COMMISSION

PLANS OF PROPOSED STATE ROAD

NS-561(5)

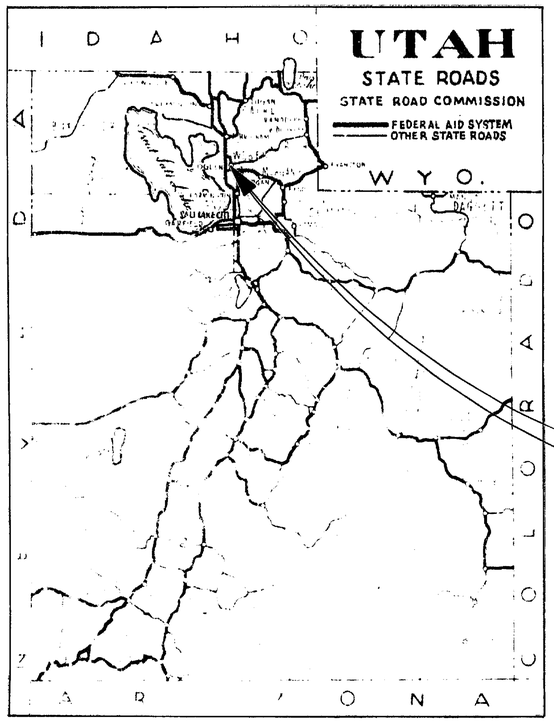
HARRISON BOULEVARD

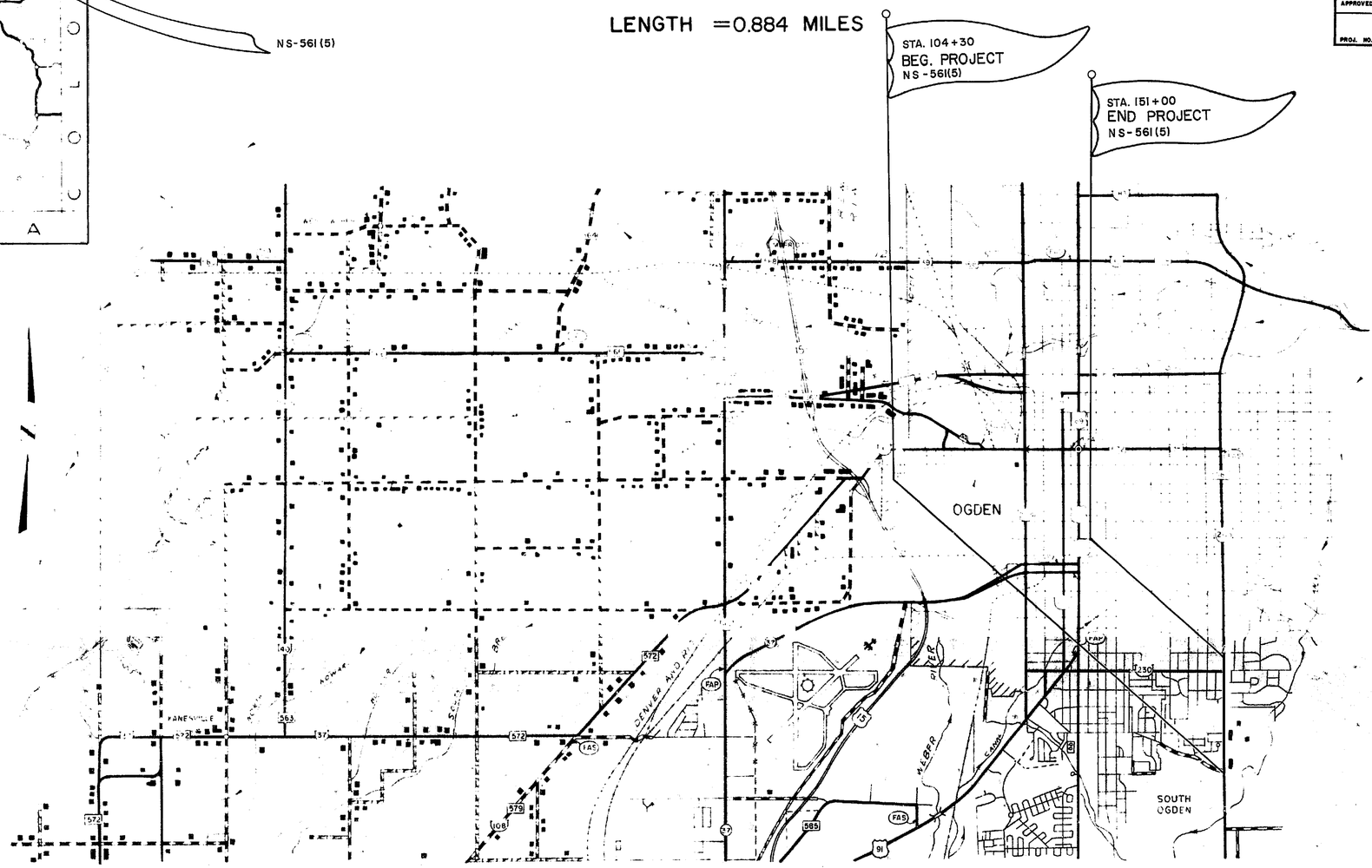
42nd. ST. – 36th. ST

WEBER COUNTY

RIGHT OF WAY

LENGTH =0.884 MILES





UTAH STATE DEPARTMENT OF HIGHWAYS
SALT LAKE CITY, UTAH
ROADWAY DESIGN

DESIGN	CHECK	REVIEW
DRAWN	CHECK	DESIGN
QUANT.	CHECK	R/W
APPROVAL RECOMM. 16 June 71 DATE	S. B. Stratton PROJ. DESIGN ENGINEER	
APPROVED 17 June 71 DATE	John W. Homer PLANS & ESTIMATES ENGINEER	COUNTY
PROJ. NO.		SHEET OF

PROJECT NO
APPROVED FOR RIGHT OF WAY
John W. Homer 17 June 71
DATE
CHIEF RIGHT OF WAY DESIGN ENGINEER

SCALE 1" = 1 MILE

UTAH STATE DEPARTMENT OF HIGHWAYS

RECOMMENDED FOR APPROVAL

CHIEF ROADWAY DESIGN DIVISION

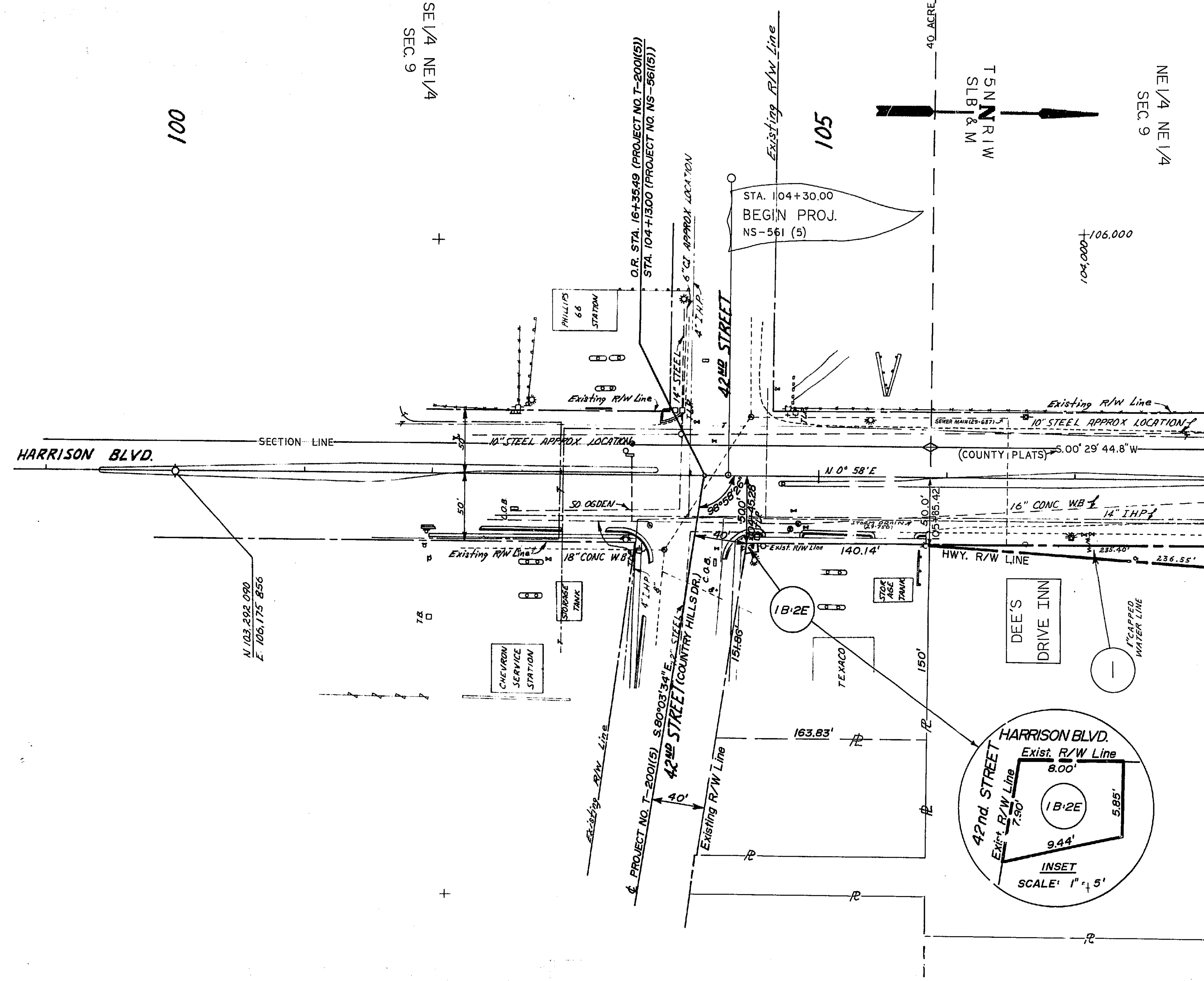
CHIEF RIGHT OF WAY DESIGN ENGINEER

Project #: NS-561(5)T
County: 057
Federal Proj. #:
Beg. Ref. Post:
End Ref. Post:
Sheet No. #:
Sheet Type: 01

PARCEL NO.	OWNER	NET AC.	SQ.FT.	EXIST R/W AC. IN DEED	OWNERSHIP AC.	REMAINING AC. LEFT	REMAINING AC. RIGHT
561 : 1	DEE'S INC., ET AL	0.045	1,962	NONE	1.746	NONE	1.701
1B:2E	TEXACO INC.	0.001					

DATE	RIGHT OF WAY INSTRUMENTS				
6-18-71	ORIGINAL SUBMISSION FOR R/W AUTH.				
REVISIONS					
	R/W DES REV. BY:	MAPS CORR. BY	PARCELS AFFECTED	REQUEST BY	REMARKS:
9-1-71	M.G.H.	E.M.K.	1	H. D.	REVISE PARCEL
8-30-72	DIST. 1	E.M.K.	1B:E	DIST. 1	ADD EASEMENT
11-17-72	DIST. 1	E M.K.	1B:E	DIST. 1	VOID EASEMENT
3-12-74	DIST. 1	D.A.B.	1B:2E	DIST. 1	ADD EASEMENT

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
UTAH	UTAH	NS-561 (5)		2	5



UTAH STATE DEPARTMENT OF HIGHWAYS
SALT LAKE CITY, UTAH
ROADWAY DESIGN

DESIGN	CHECK	REVIEW
DRAWN	CHECK	DESIGN
QUANT.	CHECK	R/W
APPROVAL RECOMM. 16 JUNE 71 (signature) PROJ. DESIGN ENGINEER		
APPROVED 17 June 71 John W. Homer PLANS & ESTIMATES ENGINEER		COUNTY
PROJ. NO.		SHEET OF

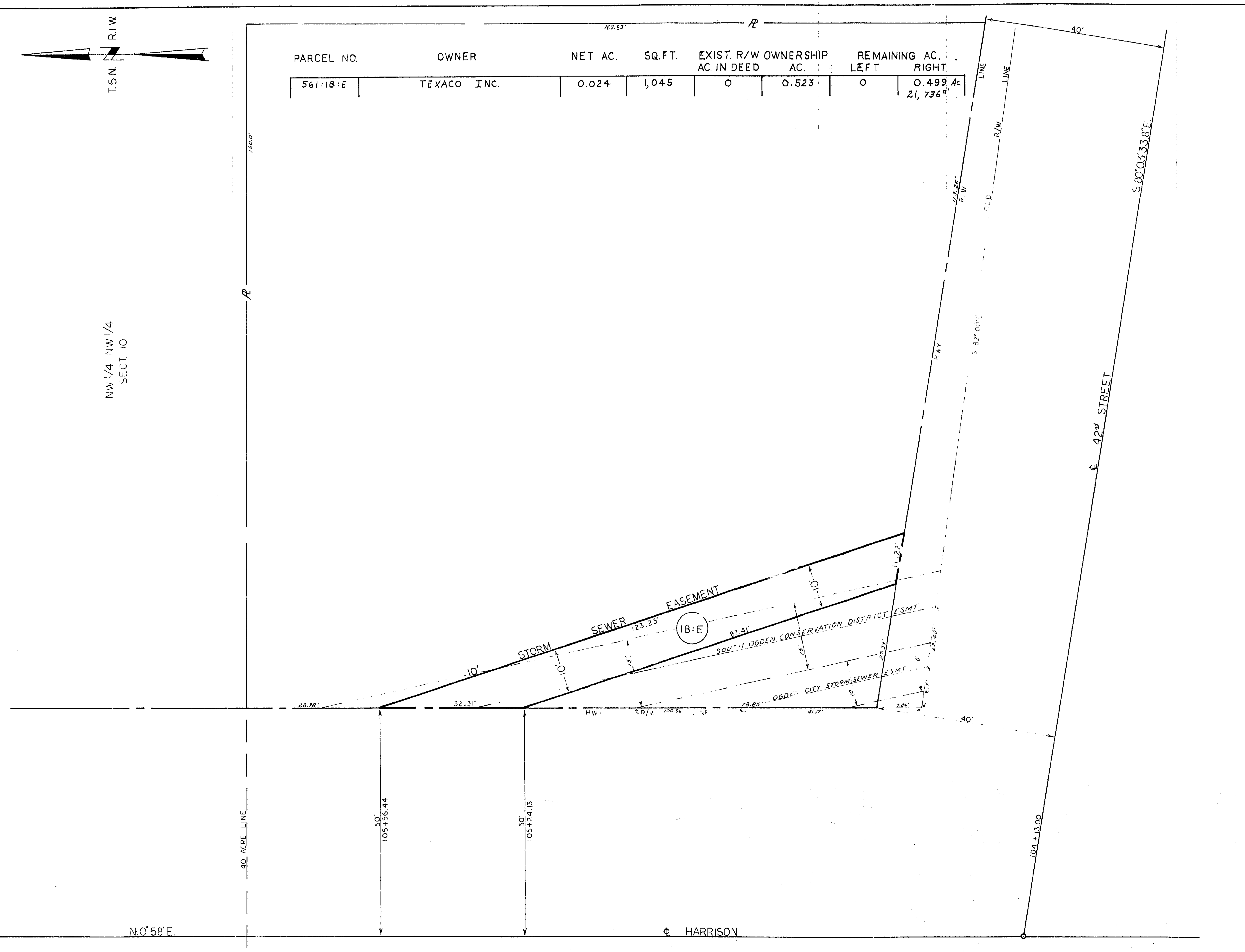
SCALE 1" = 50'

Project #: NS-561(5)
County: 057
Route: 203
Beg. Ref. Post:
End Ref. Post:
Sheet #: 2
Sheet Type: 09

FED ROAD DIST NO	STATE	PROJ NO	FISCAL YEAR	SHEET NO	TOTAL SHEETS
UTAH	UTAH	NS-561 (5)		2A	5

DATE	RIGHT OF WAY INSTRUMENTS				
	ORIGINAL SUBMISSION FOR R/W AUTH.				
	REVISIONS				
	R/W DES REV. BY:	MAPS CORR. BY:	PARCELS AFFECTED	REQUEST BY:	REMARKS:
8-24-72	M G H	M.G.H.	1B:E	DIST. 1	NEW PARCEL

PARCEL NO.	OWNER	NET AC.	SQ.FT.	EXIST. R/W AC. IN DEED	OWNERSHIP AC.	REMAINING AC. LEFT	REMAINING AC. RIGHT
561:1B:E	TEXACO INC.	0.024	1,045	0	0.523	0	0.499 Ac. 21,736□'



SCALE 1" = 10'

UTAH STATE DEPARTMENT OF HIGHWAYS
DIST. ONE - OGDEN, UTAH
ROADWAY DESIGN

HARRISON BLVD.
42nd ST. 36th ST.

DESIGN M.G.H. 8-24-72	CHECK	REVIEW
DRAWN M.G.H. 8-24-72	CHECK	DESIGN
QUANT.	CHECK	R/W
APPROVAL RECOMM. 8-24-72 DATE	PROJ. DESIGN ENGINEER	
APPROVED 8-24-72 DATE	DIST. PRECONSTRUCTION ENGR.	COUNTY
PROJECT NUMBER NS-561 (5)		SHEET NO.

REVISED BY ____ DATE ____

Project #: NS-561(5)T
County: 057
Route: 203
Sheet #: 2A

UTAH	UTAH	NS-561 (5)		3	5

DATE	RIGHT OF WAY INSTRUMENTS				
6-18-71	ORIGINAL SUBMISSION FOR R/W AUTH.				
	REVISIONS				
	R/W DES. REV. BY:	MAPS CORR. BY:	PARCELS AFFECTED	REQUEST BY	REMARKS:
9-1-71	M.G.H.	E.M.K.	1, 2:A, 3:A, & 3:S	H.D.	REVISE & ADD PARCELS
9-24-71	DIST. I	R.L.P.	2	DIST. I	REVISE PARCEL
1-12-72	DIST. I	DD	4:A	DIST. I	REVISE PARCEL
9-26-74	DIST. I	B.C.M	1	DIST. I	CORRECT TIE
7-17-75	A.B.C.	R.A.C.	2:A	R/W ACQ.	CHANGE BEG. L/A LINE
9-29-78	J. R. C.	W. E. L.	3:SEQ	R/W ACQ.	ADD "Q" DEED
5-28-87	D.H.W.	D.H.W	2:A		DELETED PARCEL 2:A

PARCEL NO.	OWNER	NET AC.	SQ.FT.	EXIST R/W AC. IN DEED	OWNERSHIP AC.	REMAINING AC. LEFT	REMAINING AC. RIGHT
561: 4:A	THE BOARD OF TRUSTEES FOR WEBER STATE COLLEGE	1.452		0.041	26.098	NONE	24.605
5:A	DAVID O McKAY HOSPITAL	0.303	13,180	0.341	27.635	26.991	NONE
3:A	ELIOT PETERSON ET AL	0.061	2,678	0.126	0.403	NONE	9,414 ☐
2	E & W INVESTMENT CO.	0.061	2,663	NONE	1.387	NONE	1.326
1	DEE'S INC., ET AL	0.045	1,962	NONE	1.746	NONE	1.701
3:S	ELIOT PETERSON ET AL	0.216	9,414	NONE	0.216	NONE	NONE

PARCEL NO.	GRANTEE	NET AC.
561:3:SEQ	WEBER STATE COLLEGE CREDIT UNION	0.032

UTAH STATE DEPARTMENT OF HIGHWAYS
SALT LAKE CITY UTAH
ROADWAY DESIGN

DESIGN ____ CHECK ____ REVIEW
DRAWN ____ CHECK ____ DESIGN ____
QUANT. ____ CHECK ____ R/W ____
APPROVAL RECOMM. 16 JUNE 71 (DATE) H. C. Richardson (PROJ. DESIGN ENGINEER)
APPROVED 17 June 71 (DATE) John W. Homer (PLANS & ESTIMATES ENGINEER)
COUNTY
PROJ. NO. ____
SHEET 3 OF 5

SCALE 1"=50'

UTAH	UTAH	NS-561 (5)		3	5

DATE	RIGHT OF WAY INSTRUMENTS				
6-18-71	ORIGINAL SUBMISSION FOR R/W AUTH.				
REVISIONS					
	R/W DES. REV. BY:	MAPS CORR. BY:	PARCELS AFFECTED	REQUEST BY	REMARKS:
9-1-71	M.G.H.	E.M.K.	1, 2:A, 3:A, & 3:S	H.D.	REVISE & ADD PARCELS
9-24-71	DIST. I	R.L.P.	2	DIST. I	REVISE PARCEL
1-12-72	DIST. I	DD	4:A	DIST. I	REVISE PARCEL
9-26-74	DIST. I	B.C.M	1	DIST. I	CORRECT TIE
7-17-75	A.B.C.	R.A.C.	2:A	R/W ACQ.	CHANGE BEG. L/A LINE
9-29-78	J. R. C.	W. E. L.	3:SEQ	R/W ACQ.	ADD "Q" DEED
5-28-87	D.H.W.	D.H.W	2:A		DELETED PARCEL 2:A
11-15-00	E. R.		3:SAQ		ADD "Q" DEED

PARCEL NO.	OWNER	NET AC.	SQ.FT	EXIST R/W AC. IN DEED	OWNERSHIP AC.	REMAINING AC. LEFT	REMAINING AC. RIGHT
561: 4:A	THE BOARD OF TRUSTEES FOR WEBER STATE COLLEGE	1.452		0.041	26.098	NONE	24.605
5:A	DAVID O McKAY HOSPITAL	0.303	13,180	0.341	27.635	26.991	NONE
3:A	ELIOT PETERSON ET AL	0.061	2,678	0.126	0.403	NONE	9,414 ⌀
2	E & W INVESTMENT CO.	0.061	2,663	NONE	1.387	NONE	1.326
1	DEE'S INC., ET AL	0.045	1,962	NONE	1.746	NONE	1.701
3:S	ELIOT PETERSON ET AL	0.216	9,414	NONE	0.216	NONE	NONE

PARCEL NO.	GRANTEE	NET AC.
561:3:SEQ	WEBER STATE COLLEGE CREDIT UNION	0.032
3:SAQ		0.216

UTAH STATE DEPARTMENT OF HIGHWAYS
SALT LAKE CITY, UTAH
ROADWAY DESIGN

DESIGN ____ CHECK ____ REVIEW
DRAWN ____ CHECK ____ DESIGN ____
QUANT. ____ CHECK ____ R/W ____
APPROVAL RECOMM. 16 JUNE 71 (DATE) H. C. Richardson (PROJ. DESIGN ENGINEER)
APPROVED 17 June 71 (DATE) John W. Homer (PLANS & ESTIMATES ENGINEER)
COUNTY
PROJ. NO. ____ SHEET 3 OF 5

SCALE 1"=50'

Project #: NS-561(5)
County: 057
Route: 203
Beg. Ref. Post:
End Ref. Post:
Sheet #: 3
Sheet Type: 09

UTAH	UTAH	NS-561 (5)		4	5

DATE	RIGHT OF WAY INSTRUMENTS				
6-18-71	ORIGINAL SUBMISSION FOR R/W AUTH.				
REVISIONS					
	R/W DES REV. BY:	MAPS CORR. BY	PARCELS AFFECTED	REQUEST BY	REMARKS:
12-13-71	E. L. M.	E.M.K.	8:A	ACQ.	VOID PARCEL
1-12-72	DIST. I	DD	6B:A	DIST. I	ADD PARCEL

PARCEL NO.	OWNER	NET AC.	SQ.FT.	EXIST R/W OWNERSHIP AC. IN DEED	EXIST R/W OWNERSHIP AC.	REMAINING AC. LEFT	REMAINING AC. RIGHT
561: 4:A	THE BOARD OF TRUSTEES FOR WEBER STATE COLLEGE	1.452		0.041	26.098	0	24.605
: 5:A	DAVID O McKAY HOSPITAL	0.303	13,180	0.341	27.635	26.991	0
: 9:A	JAMES M. NICHOLS ET. AL.	0.108	4,725	0	0.507	0	17.350
: 7:A	THE BOARD OF TRUSTEES FOR WEBER STATE COLLEGE	0.286	12,445	0	1.491	0	1.209
: 6:A	THE BOARD OF TRUSTEES FOR WEBER STATE COLLEGE	0.417	18,165	0	2.638	0	2.221
:6B:A	THE BOARD OF TRUSTEES FOR WEBER STATE COLLEGE	0.039	1733	(INDETERMINABLE)			

UTAH STATE DEPARTMENT OF HIGHWAYS
SALT LAKE CITY, UTAH
ROADWAY DESIGN

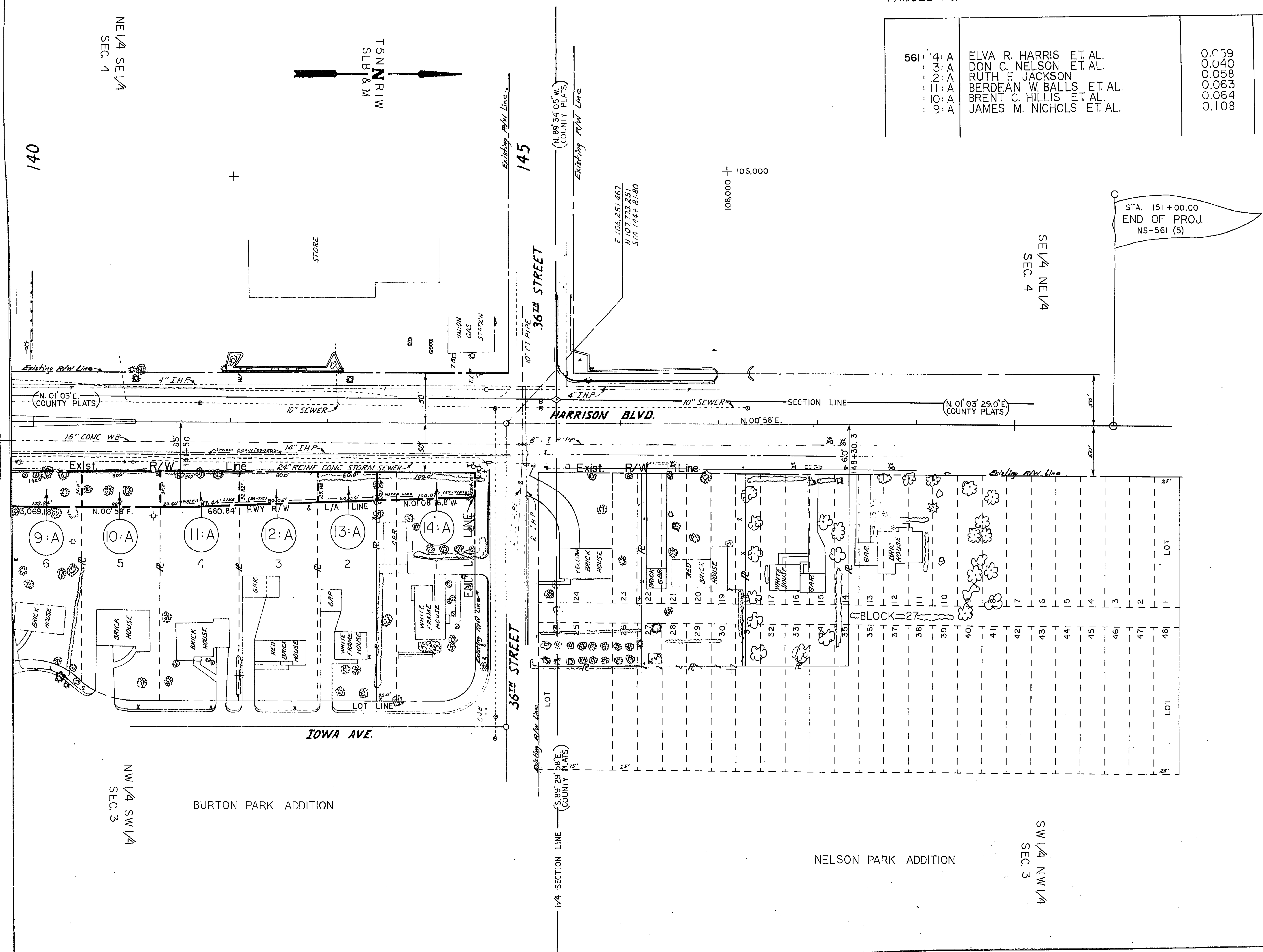
DESIGN ____ CHECK ____ REVIEW
DRAWN ____ CHECK ____ DESIGN ____
QUANT. ____ CHECK ____ R/W ____
APPROVAL RECOMM. 16 JUNE 71 (DATE) [signature] PROJ. DESIGN ENGINEER
APPROVED 17 June 71 (DATE) John W. Homer PLANS & ESTIMATES ENGINEER
COUNTY
PROJ. NO. ____
SHEET 4 OF 5

SCALE 1" = 50'

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

PARCEL NO.	OWNER	NET AC.	SQ.FT.	EXIST R/W OWNERSHIP AC. IN DEED	AC.	REMAINING AC. LEFT	RIGHT
561 : 14 : A	ELVA R. HARRIS ET. AL.	0.059	2,584	0	0.522	0	20,153"'
: 13 : A	DON C. NELSON ET. AL.	0.040	1,727	0	0.317	0	12,073"'
: 12 : A	RUTH F. JACKSON	0.058	2,508	0	0.422	0	15,892"'
: 11 : A	BERDEAN W. BALLS ET. AL.	0.063	2,735	0	0.422	0	15,665"'
: 10 : A	BRENT C. HILLIS ET. AL.	0.064	2,800	0	0.486	0	18,397"'
: 9 : A	JAMES M. NICHOLS ET. AL.	0.108	4,725	0	0.507	0	17,350"'

DATE	RIGHT OF WAY INSTRUMENTS				
6-18-71	ORIGINAL SUBMISSION FOR R/W AUTH.				
REVISIONS					
	R/W DES REV. BY	MAPS CORR. BY	PARCELS AFFECTED	REQUEST BY	REMARKS:
9-24-71	DIST. 1	R.L.P.	16 & 17	DIST. 1	REVISE PARCELS
2-22-72	DIST. 1	V.W.S.	15:A, 16, 17.	DIST. 1	VOID PARCELS



UTAH STATE DEPARTMENT OF HIGHWAYS
SALT LAKE CITY, UTAH
ROADWAY DESIGN

DESIGN	CHECK	REVIEW
DRAWN	CHECK	DESIGN
QUANT.	CHECK	R/W
APPROVAL RECOMM. 16 JUNE 71 (DATE) [signature] PROJ. DESIGN ENGINEER		
APPROVED 17 June 71 (DATE) John W. Homes PLANS & ESTIMATES ENGINEER		COUNTY
PROJ. NO.		SHEET ___ OF ___

SCALE 1"=50'

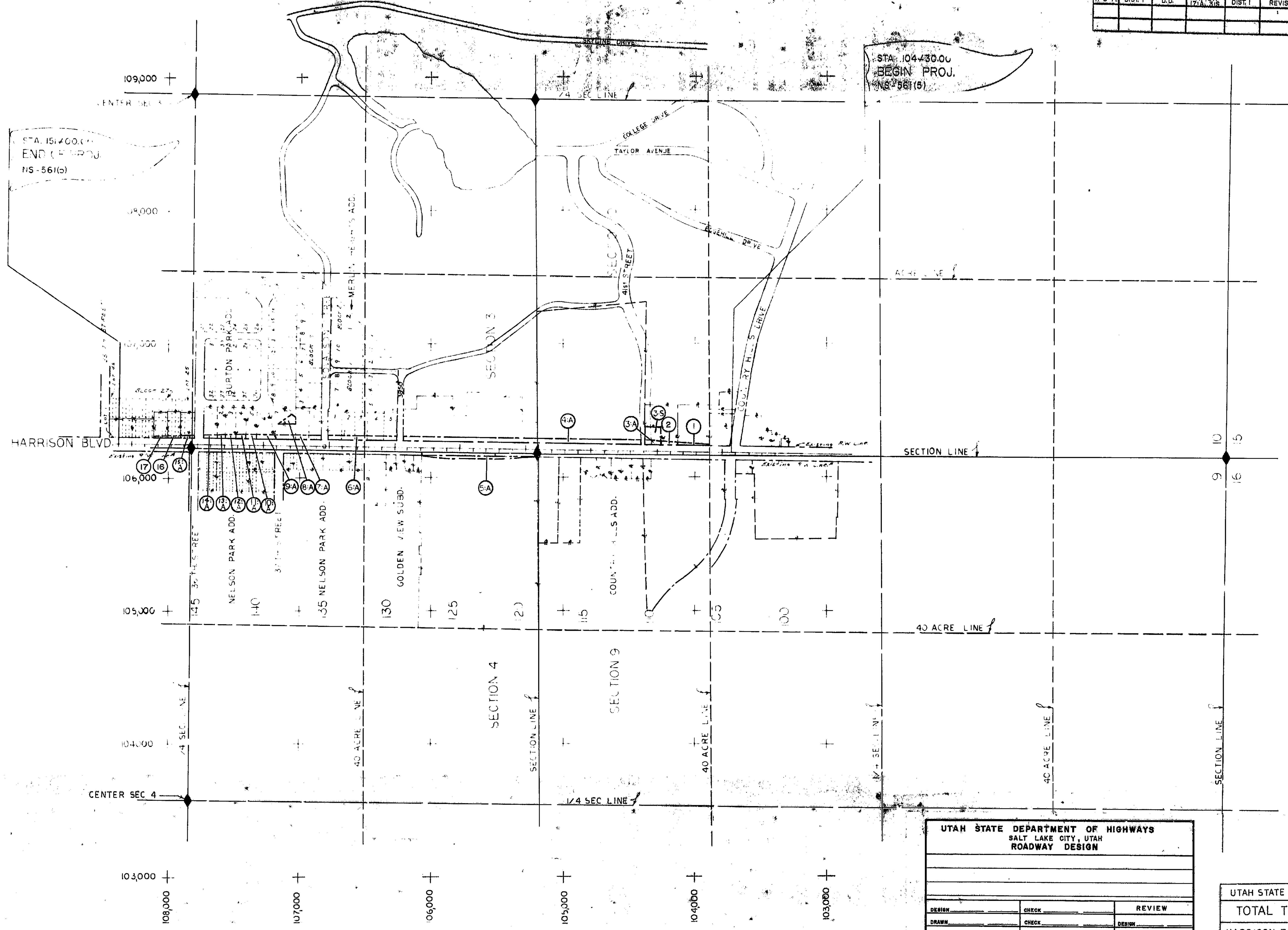
PARCEL NO.	OWNER
561:1	DEE'S INC.
:2	E & W INVESTMENT CO.
:3:A	ELIOT PETERSON ET. AL.
:4:A	THE BOARD OF TRUSTEES FOR WEBER STATE COLLEGE
:5:A	DAVID O McKAY HOSPITAL
:6:A	THE BOARD OF TRUSTEES FOR WEBER STATE COLLEGE
:7:A	" " "
:8:A	JOHN H ROUSH ET. AL.
9:A	JAMES M. NICHOLS ET. AL.
10:A	BRENT C. HILLIS ET AL.
:11:A	BERDEAN W. BALLS ET. AL.
12:A	RUTH E. JACKSON
13:A	DON C. NELSON ET. AL.
14:A	ELVA P. HARRIS ET. AL.
15:A	WALTER F. MANN ET. AL.
:16	RAYMOND SHUPE ET. AL.
:17	HERBERT H. MERMAN ET. AL.
:3:S	ELIOT PETERSON ET. AL.

A1

FED. ROAD DIST NO	STATE	PROJ NO	FISCAL YEAR	SHEET NO	TOTAL SHEETS
UTAH	UTAH	NS-561 (5)			

RIGHT OF WAY INSTRUMENTS

DATE					
6-17-71	ORIGINAL SUBMISSION FOR R/W AUTH.				
REVISIONS					
	R/W DES. REV. BY:	MAPS CORR. BY:	PARCELS AFFECTED	REQUEST BY:	REMARKS:
11-3-71	DIST. I	D.D.	2:A 16:A 17:A 3:S	DIST. I	REVISE PARCELS



UTAH STATE DEPARTMENT OF HIGHWAYS
SALT LAKE CITY, UTAH
ROADWAY DESIGN

DESIGN	CHECK	REVIEW
DRAWN	CHECK	DESIGN
QUANT.	CHECK	R/W
APPROVAL RECOMM. 16 JUNE 71 (DATE) H. A. Richardson (PROJ. DESIGN ENGINEER)		
APPROVED 17 June 71 (DATE) John W. Homer (PLANS & ESTIMATES ENGINEER)		COUNTY
PROJ. NO.		SHEET ___ OF ___

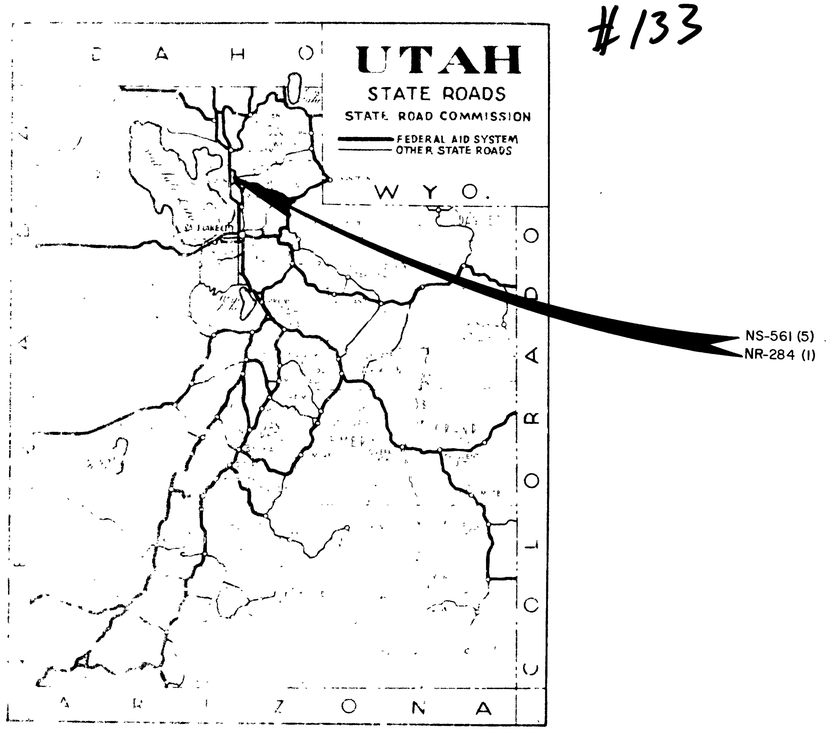
UTAH STATE ROAD COMM.

TOTAL TRACT MAP

HARRISON BLVD. 42 ND TO 36 TH.
WEBER COUNTY
PROJ. NO. NS-561 (5)
SCALE: 1" = 400'
DATE 1-1-71

DRAWN BY MERLIN HAMSON

#133



STATE OF UTAH
STATE ROAD COMMISSION

PLANS OF PROPOSED STATE ROAD
AS CONSTRUCTED

NS-561 (5) HARRISON BLVD ~ 42ND TO 36TH STREET, 0.758 MILES
NR-284 (1) WEBER STATE COLLEGE PERIPHERAL ROAD, 0.551 MILES

GRADING, DRAINAGE, SURFACING & SIGNALS

WEBER COUNTY

Sht #132

LARRY M. DURRANT
PROJECT ENGINEER

STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
UTAH	NS-561 (5)		1	
UTAH	NR-284 (1)		1	

ROADWAY DRAWINGS

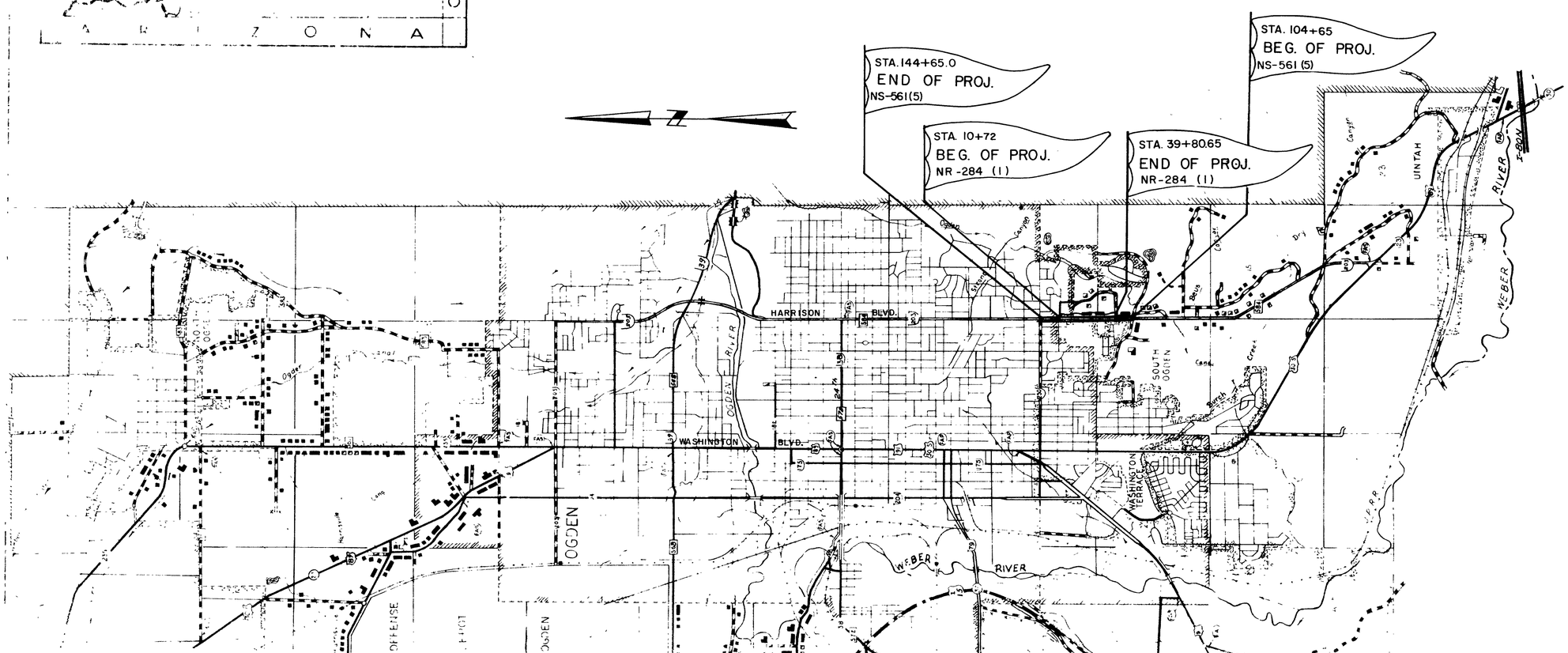
SHEET NO.	DESCRIPTION
	NS-561(5)
1	TITLE SHEET
2-2B	TYPICAL SECTION SHEET
3-3B	SUMMARY SHEETS
4-9	PLAN SHEETS
10-15	CHANNELIZATION & DRAINAGE SHEETS
16-17	PROFILE SHEETS
	S-40 SIGNAL PLANS
	NR-284 (1)
1	TITLE SHEET
2-2B	TYPICAL SECTION SHEET
3-3B	SUMMARY SHEETS
4-7	PLAN SHEETS
8-13	CHANNELIZATION SHEETS
14-15	PROFILE SHEETS
16-17	DRAINAGE DETAILS

STRUCTURE DRAWINGS

DWG NO.	SHEET NO.	DESCRIPTION
V-751		STANDARD CLEANOUT AND CATCH BASIN
V-754		STANDARD CATCH BASIN
V-777		STANDARD CLEANOUT BOX
V-750		STANDARD CLEANOUT AND CATCH BASIN
V-[illegible]		STANDARD SOLID COVER & GRATING
V-1244		STANDARD CATCH BASIN
V-428		STANDARD HEADWALL RACK
V-860		STANDARD CATCH BASIN

STANDARD DRAWINGS

DWG NO.	SHEET NO.	DESCRIPTION
605-1		CORRUGATED METAL PIPE CULVERTS
605-20		REINFORCED CONCRETE CULVERTS
615-1		CONCRETE CURB & GUTTER
655-1		DIVERSION BOX INTERCHANGEABLE WALLS
650-2		DIVERSION BOX QUANTITY SCHEDULES
715-1		OPEN & BRIDGED CONCRETE DRIVEWAYS
720-3		CHAIN LINK FENCE
725-1		R/W MARKER & MAIL BOX POSTS
745-1A		CONST. SIGNING CHANNELIZATION DEVICES
745-1C		CONSTRUCTION SIGNING BARRICADES
745-10		ADVANCE WARNING DEVICES
745-60		HIGHWAY SIGNS OTHER THAN FREEWAYS
605-1A	&1B	SUPERELEVATION AND WIDENING



UTAH STATE DEPARTMENT OF HIGHWAYS

RECOMMENDED FOR APPROVAL _____ 1973

CHIEF ROADWAY DESIGN DIVISION

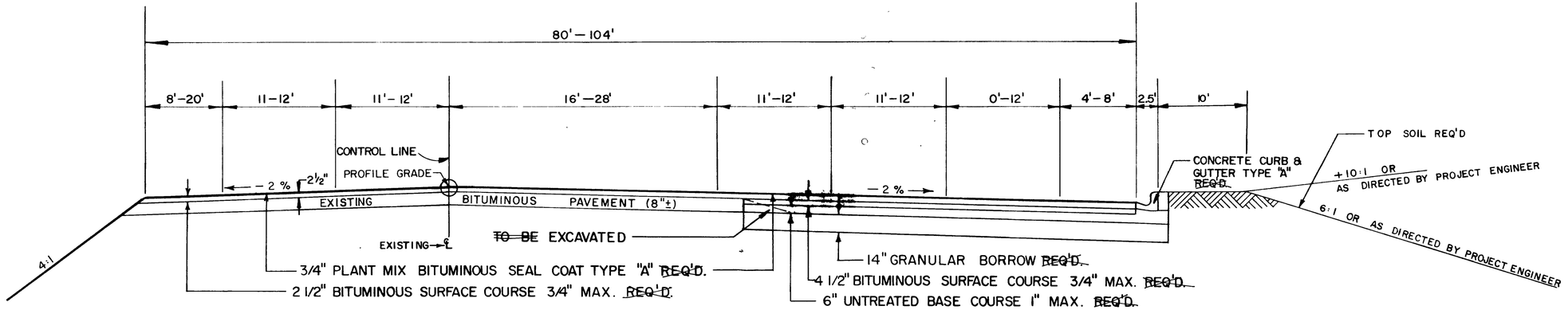
RECOMMENDED FOR APPROVAL March 1973

David L. Sargent
ENGINEER FOR PRECONSTRUCTION

APPROVED March 1973

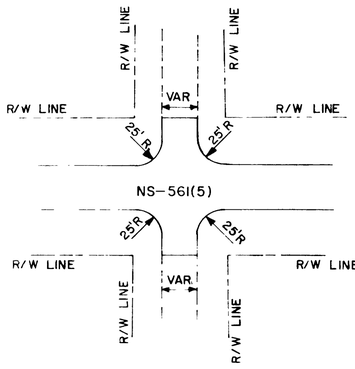
C. V. Hickson
STATE HIGHWAY ENGINEER

TYPICAL CROSS SECTION

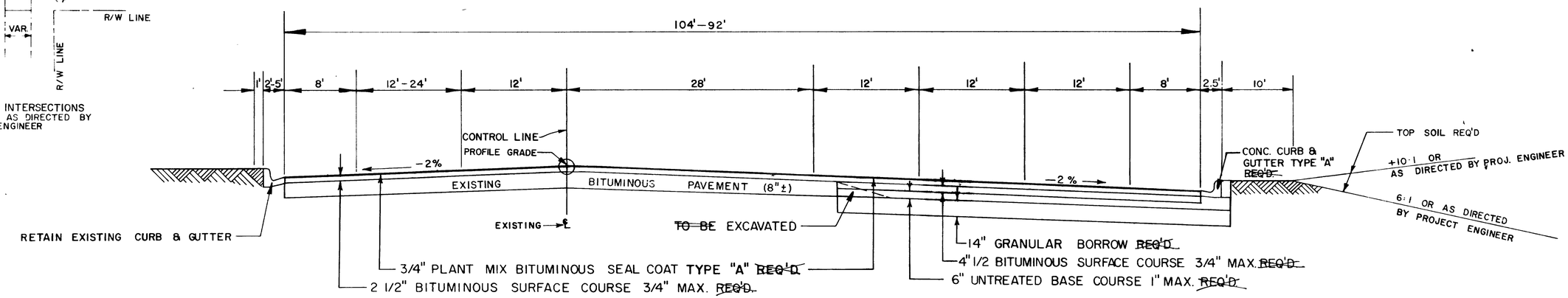


STATION	104+65	TO	STATION	107+35	TAPER	FROM	80' TO 92'
STATION	107+35	TO	STATION	110+60	TAPER	FROM	92' TO 97'
STATION	110+60	TO	STATION	117+00	TAPER	FROM	97' TO 104'
STATION	117+00	TO	STATION	119+00	104' WIDE		

HARRISON BLVD.
SEE CHANNELIZATION SHEETS # 10, 11, 12,



PAVED INTERSECTIONS
& OTHERS AS DIRECTED BY
THE ENGINEER



STATION	119+00	TO	STATION	122+10	TAPER	FROM	104' TO 116'
STATION	122+10	TO	STATION	126+50	116' WIDE		
STATION	126+50	TO	STATION	129+40	TAPER	FROM	116' TO 104'
STATION	129+40	TO	STATION	141+50	104' WIDE		
STATION	141+50	TO	STATION	144+65	TAPER	FROM	104' TO 92'

HARRISON BLVD.
SEE CHANNELIZATION SHEETS # 10, 11, 12,

DESIGN SPEED 60 M.P.H.
SUPERELEVATE CURVES IN ACCORDANCE WITH STD. DRAWING # 805 1A & 1B

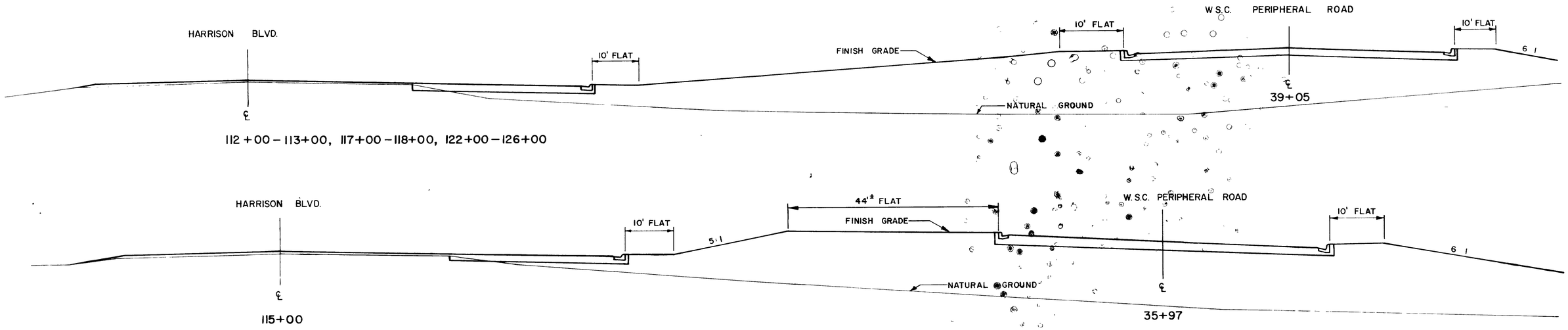
NO	BY	DATE	TYPE	REMARKS
REVISIONS				

UTAH STATE DEPARTMENT OF HIGHWAYS
DIST. ONE - OGDEN, UTAH
ROADWAY DESIGN

HARRISON BLVD.—42ND ST. TO 36TH ST.
TYPICAL SECTION

DESIGN B H S 1971	CHECK L.M.B. 10-71	REVIEW		
DRAWN B P W. 1971	CHECK B.H.S 10-71	DESIGN		
QUANT R.N.G. 1972	CHECK B.H.S 10-72	R/W		
APPROVAL RECOMM. 3-6-73 DATE	PROJ. DESIGN ENGINEER			
APPROVED 3-6-73 DATE	DIST. PRECONSTRUCTION ENGR.	WEBER CO. QTY		
PROJ. NO. NS 561 (5)		SHEET NO. 2		

TYPICAL CROSS SECTION



REVISIONS

NO	BY	DATE	TYPE	REMARKS

UTAH STATE DEPARTMENT OF HIGHWAYS
DIST. ONE – OGDEN, UTAH
ROADWAY DESIGN

HARRISON BLVD. ~ 42ND TO 36TH STREET &
WEBER STATE COLLEGE PERIPHERAL ROAD

DESIGN	B.H.S. 3/73	CHECK	B.P.W. 3/73	REVIEW
DRAWN	B.P.W. 3/73	CHECK	B.H.S. 3/73	DESIGN
QUANT	M.D. 3/73	CHECK	B.H.S. 3/73	R/W

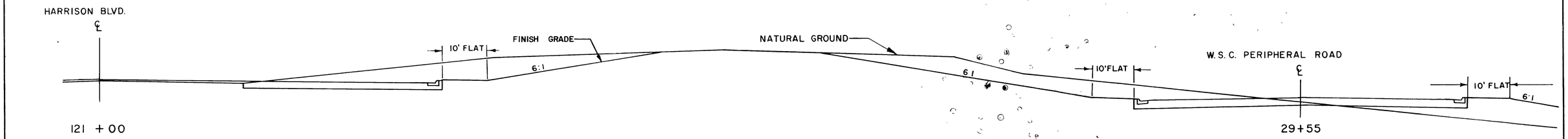
APPROVAL RECOMM. DATE 3-6-73 — PROJ. DESIGN ENGINEER
APPROVED DATE 3-6-73 — DIST. PRECONSTRUCTION ENGR.

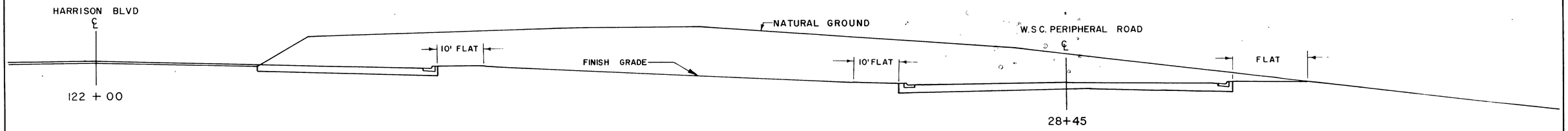
WEBER COUNTY

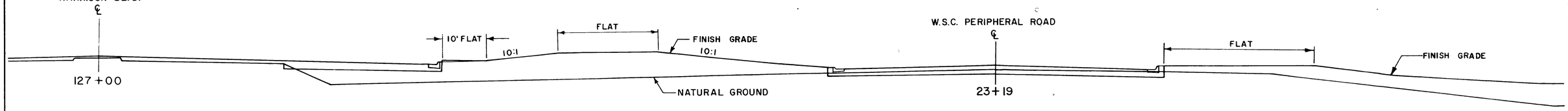
PROJECT NUMBER NS-561 (5) & NR-284 (1)

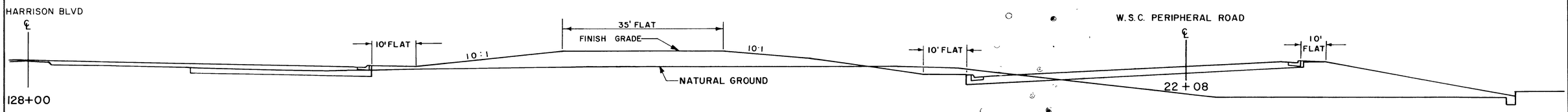
SHEET NO. 2A

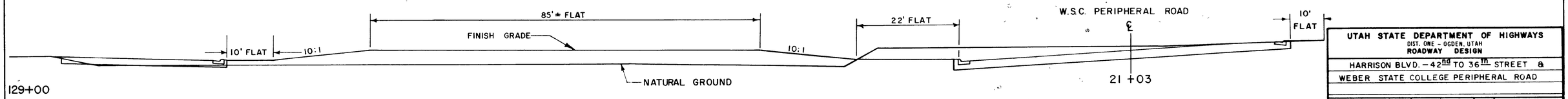
TYPICAL CROSS SECTION











REVISIONS BY DATE

NO.	BY	DATE	TYPE	REMARKS
	L.M.B	3-29-73		

REVISIONS

UTAH STATE DEPARTMENT OF HIGHWAYS
DIST. ONE - OGDEN, UTAH
ROADWAY DESIGN

HARRISON BLVD. – 42nd TO 36th STREET &
WEBER STATE COLLEGE PERIPHERAL ROAD

DESIGN B.H.S. 3/73	CHECK B.P.W. 3/73	REVIEW	
DRAWN M.D.H. 3/73	CHECK B.H.S. 3/73	DESIGN	Date Mar 4 73
QUANT. B.P.W. 3/73	CHECK B.H.S. 3/73	R/W	
APPROVAL RECOMM. 3-6-73 DATE	PROJ. DESIGN ENGINEER		
APPROVED 3-6-73 DATE	DIST. PRECONSTRUCTION ENGR.	WEBER COUNTY	
PROJECT NUMBER NS-561(5) & NR-284(1)		SHEET NO 28	

SUMMARY SHEET

FED ROAD DIST NO	STATE	PROJ NO	FISCAL YEAR	SHEET NO	TOTAL SHEETS
UTAH	UTAH				

DRAINAGE SUMMARY CONT.

STATION TO STATION	HT. OF FILL	R.C.P. (RUBBER GASKET) 18"	21"	24"	30"	36"	DIV. BOX HEADGATE & FRAME A=1.5	B=1.5	EXC FOR STR.	CONC. S/STR CLASS "A" (AE)	REINF STEEL	C.S.P. 12"	R.C.P. 12"	C.B. GRATE & FRAME (V-988)	SALVAGE C.B. GRATE & FRAME	C.O.B. SOLID COVER & FRAME (V-988)	REMOVAL CONC. SIDEWALK	RE-MOVE C.B.	RECONST. C.O.B. & M.H.		DWG. NO	LINE NO	CONSTRUCTION SOURCE REFERENCE FIELD BOOK	PAGE	REMARKS
	FT	LIN FT				LIN.FT	EACH		CU.YD.	CU.YD.	LB	LIN. FT.	LIN. FT.	EACH	EACH	EACH	SQ.YD.	EACH	EACH						
103+66.72 — 105+29.44					162.7				179.2																
105+31.27									32.3	4.232	394				1						M1244	M	12	2-28	
105+33.10 — 107+80.77				247.7					29.34														12	2-28	
107+80.77									12.9	2.512	331			1							V-751	8	12	2-28	
107+80 77 — 110+29.05				248.3					32.17														12	2-28	
110+31.55									13.3	2.110	293				1						V-751	6	12	2-28	
110+34.05 — 112+82.00			248.0						174.2														12	2-28	
112+82.00									3.5	2.512	331				1						V-751	8	12	2-28	
112+82 — 115+40.17			258.1						115.5														12	2-28	
115+42.00									7.4	3.009	302			1							V-754	6	12	2-28	
110+31.55 — LATERAL NO1		26.0							17.4														12	55-60	
115+42.00 — LATERAL NO.5			31.0						23.8														12	76-80	
115+42.00 — LATERAL NO.5									9.0	2.562	317					1					V-750	8	12	76-80	
116+56.00 — LATERAL NO2		31.2							12.5														12	61-65	
116+56.00 — LATERAL NO 2									3.4	0.929	132				1						V1329	5	12	61-65	
120+70.10 LATERAL NO. 3		37.7							17.6							1							12	66-70	
120+70 10 LATERAL NO. 3									3.6	0.929	132				1						V1329	5	12	66-70	
123+52.00 LT.									4.1	0.929	132			1							V1329	5	12	29-41	
124+02.40									72.4*				96.35										12	29-41	
124+02.40 LATERAL		37.5							14.7							1							12	29-41	
124+02.40									3.8	0.929	132				1						V1329	5	12	29-41	
127+68.35 LT.									4.3	0.929	132			1							V1329	5	12	42-54	
127+68.35 (ACROSS HARRISON)		80.9							45.0														12	42-54	
127+68.35 LATERAL		33.3							16.3														12	42-54	
128+90.10 LATERAL NO.4									2.8	0.929	132			1							V1329	5	12	70-75	
128+90.10 LATERAL NO.4		32.4							15.0														12	70-75	
128+90.10 LATERAL NO.4									7.0	2.051	285					1					V-751	5	12	70-75	
131+50.00 LATERAL NO. 8									1.1	0.728	105				1						V-1329	3	13	24-25	
131+50.00 LATERAL NO.8									0.1			12.0				1							13	24-25	
134+49.75 LATERAL NO.7				39					28.2														13	23	
140+99.90 LATERAL NO6		31.5							13.0							1							13	22	
131+66.00									6.7	2.993	246					1					V-755	M	13	1-21	
131+67.80 — 134+48.20			280.4						151.4														13	1-21	
134+49.75									7.0	2.412	215				1						V-755	M	13	1-21	
134+52.43 — 144+29.62					977.2				986.2														13	1-21	
144+31.45									13.5	3.456	364				1	1					V-1244	M	13	1-21	
144+33.28 — 144+59 45			34.5						38.6														13	1-21	
144+59.45		53.0							23.9														13	36-38	
144+59.45									4.3	1.574	210			1							V-1244	M	13	36-38	
140+99.90										2.618	264				1						V-754	4	13	1-21	
137+91.50										2.420	257			1							V-754	3	13	1-21	
127+68.35										0.929	132				1						V-1329	5	12	42-54	
TOTAL		363.5	817.5	569.5	139.9				2700	41.692	4838	12.0	96.4	6.0		12.0									

*Additional Exploratory Excavation NEEDED

REVISIONS

DATE	BY	DATE	BY

I HEREBY CERTIFY THAT THE ABOVE QUANTITIES OF WORK DONE ARE CORRECT. Harry Durant
PROJECT ENGINEER

DATED 5/12/75

UTAH STATE DEPARTMENT OF HIGHWAYS.
DIST. ONE - OGDEN, UTAH
ROADWAY DESIGN

HARRISON BLVD — 42 ND ST. TO 36TH. ST.
SUMMARY SHEET

DESIGN B.H.S. 1972	CHECK L.M.B. 9-72	REVIEWED	
DRAWN L.M.B. 1972	CHECK B.H.S. 9-72	DESIGN DLK 4-1-72	
QUANT. J.W.T. 9-72	CHECK B.P.W. 10-72	R/W	
APPROVAL RECOMM. DATE	PROJ. DESIGN ENGINEER		
APPROVED DATE	DIST. PRECONSTRUCTION ENGR.	WEBER COUNTY	
PROJECT NUMBER NS-561(5)		SHEET NO. 3A-1	

SUMMARY SHEET

MISCELLANEOUS			CONSTRUCTION SOURCE REFERENCE	
ITEM	UNIT	QUANTITY	FIELD BOOK	PAGE
MOBILIZATION	LUMP	•	9	7
CLEARING & GRUBBING	LUMP	•	9	5
FLAGGING	HOUR	802.5	10,11	VARIOUS
RECONSTRUCTING MONUMENTS & WATER VALVE BOXES	EACH	7	9	52
6' CHAIN LINK FENCE TYPE II S.A. NO. 10	LIN. FT.	713.5	9	14
RECONSTRUCTING CLEANOUT BOXES & MANHOLES	EACH	14	9	50-51
ADVANCE WARNING DEVICE TYPE "A" STATIONARY	HOUR	164	10-11	VARIOUS
ADVANCE WARNING DEVICE TYPE "B" MOVING	HOUR	0	—	——
CONSTRUCTION SIGNS (55 POSTS)	LUMP	•	9	14
REMOVAL OF BUILDINGS PARCEL NO. 3	PARCEL	•	9	40
REMOVAL OF FOUNDATION & BASEMENT PARCEL # 2	PARCEL	•	9	39
CONTINGENT SUM PAY ITEM	LUMP	•	—	——

SUMMARY OF ITEMS			CONSTRUCTION SOURCE REFERENCE	
	UNIT	QUANTITY	FIELD BOOK	PAGE
MOBILIZATION	LUMP	•	9	7
CONSTRUCTION SIGNS (55 POSTS)	LUMP	•	9	14
ADVANCE WARNING DEVICE TYPE "A" STATIONARY	HOUR	164	10,11	VARIOUS
ADVANCE WARNING DEVICE TYPE "B" MOVING	HOUR	0	—	——
FLAGGING	HOUR	802.5	10,11	VARIOUS
CLEARING & GRUBBING	LUMP	•	9	5
ROADWAY EXCAVATION	CU.YD.	20,210.5	9	11
EXCAVATION FOR STRUCTURES	CU. YD	2709.5	12-13	VARIOUS ①
GRANULAR BORROW	TON	13,486.2	WEIGH BOOK	1-2
6' CHAIN LINK FENCE TYPE II (SA.NO.10 U.P.B.)	LIN.FT.	713.5	9	14
18" R.C.P. (RUBBER GASKET)	LIN.FT.	363.55	12-13	VARIOUS
21" R.C.P. (RUBBER GASKET)	LIN.FT.	817.48	12-13	VARIOUS
24" R.C.P. (RUBBER GASKET)	LIN.FT.	569.45	12-13	VARIOUS
30" R.C.P. (RUBBER GASKET)	LIN.FT.	1139.89	12-13	VARIOUS
UNTREATED BASE COURSE 1" MAX.	TON	68562	WEIGH BOOK	3
BITUMINOUS MATERIAL GRADE MC-70 OR MC-250	TON	17.085	WEIGH BOOK	3
BITUMINOUS MATERIAL GRADE RC-70 OR RC-250	TON	11.825	WEIGH BOOK	3
BITUMINOUS SURFACE COURSE 3/4" MAX. (SA 4)	TON	9765.65	WEIGH BOOK	4-5
BITUMINOUS MATERIAL GRADE AC-15 VISCOSITY GRADED ASPHALT	TON	686.24	9	19-20
PLANT MIX BITUMINOUS SEAL COAT TYPE "A"	TON	Deleated	—	——
BITUMINOUS MATERIAL GRADE AC-20 VISCOSITY GRADED ASPHALT	TON	136.21	9	21-24
HYDRATED LIME	TON	17.64	9	28
CONCRETE DRIVEWAY 7" THICK	LIN.FT.	123.7	13	61
CONCRETE CURB & GUTTER TYPE "A"	LIN.FT.	3390.6	13	60
REMOVAL OF CONCRETE CURB	LIN.FT	3444.1	9	6-9
REMOVAL OF CONC. CURB & GUTTER	LIN.FT	509.1	9	30
RIGHT OF WAY MARKERS	EACH	11.0	9	37
REINFORCING STEEL	LB.	5079.0	12-13	VARIOUS
CONCRETE SMALL STRUCTURES CLASS "A" (AE)	CU.YD.	41.692	12-13	VARIOUS
36" R.C.P. (RUBBER GASKET)	LIN. FT.	0	—	—
RECONSTRUCTING CLEANOUT BOXES & MANHOLES	EACH	15	9	50-51
RECONSTRUCTING MONUMENT BOXES & WATER VALVE BOXES	EACH	7	9	52
HIGHWAY TRAFFIC PAINT	GAL.	57.14	9	55
18" DIVERSION BOX GATE & FRAME A 1.5, B=1.5	EACH	2	12 13	80 35
C.O.B SOLID COVER & FRAME V-988	EACH	13	12-13	VARIOUS
C.B. GRATE & FRAME V-988	EACH	6	12-13	VARIOUS
REMOVAL OF BUILDINGS PARCEL NO. 3	PARCEL	1	9	40
REMOVAL OF FOUNDATION & BASEMENT PARCEL # 2	PARCEL	1	9	39
CONTINGENT SUM PAY ITEM	LUMP	1		
12" C.S.P. (S.A.NO.2)	LIN. FT.	12	13	28
24" SCREW GATE	EACH	0	—	—
REMOVAL OF CONCRETE SIDEWALK	SQ.YD.	0	—	—
S.A. NO. 1 UNIT PRICE BASIS (ROCK BEDDING)	TON	43.15	WEIGH BOOK	3
S.A. NO.2 UNIT PRICE BASIS (PIPE) 12"RCP	FEET	96.4	12	38

SUMMARY OF ITEMS CONT.			CONSTRUCTION SOURCE REFERENCE	
	UNIT	QUANTITY	FIELD BOOK	PAGE
S.A. NO. 3 U.P.B SIDEWALK 4" THICK	FEET	363	13	47
S.A. NO. 3 U.P.B. SIDEWALK 6" THICK	FEET	320	13	46
S.A. NO. 3 U.P.B. SIDEWALK 7" THICK	FEET	57.5	13	45
S.A. NO. 3 U.P.B. PORTLAND CEMENT CONCRETE	CU.YD	3.919	13	42
S.A. NO. 3 U.P.B. COVERED DRIVEWAY TYPE "A"	LIN.FT	35.9	13	48
S.A. NO. 4 U.P.B. BIT. SURFACE COURSE 3/4" MAX.	TONS	1763.85	WEIGH BOOK	4-5
S.A. NO. 4 U.P.B. PLANT MIX BIT. SEAL COAT TYPE "A"	TON	—	—	——
S.A. NO. 5 F.A.P. ADJ 12" WATER LINE (OGDEN)	—	32832.25	9	45
S.A. NO. 6 PLANT MIX BIT SEAL COAT TYPE "B"	—	2127.38 (SPEC. CHANGE)	WEIGH BOOK	5
S.A. NO. 7 F.A.P. SIDEWALK 4" THICK-CONC. RET. WALL	—	—	9	43
S.A. NO. 8 U.P.B SECURING TRAFFIC SIGNAL HEADS	EACH	17	14	24
S.A. NO. 8 U.P.B. RETAP HOLES & RETHREAD BOLTS IN STATE FURNISHED MAST ARMS	EACH	12	14	25
S.A. NO. 8 U.P.B. FURNISH LUMINAIRES W/PHOTOCELL	EA.	4	14	26
S.A. NO. 8 U.P.B. SUBSTITUTE TYPE P-I CONTROL CABINET IN PLACE OF TYPE "M" CONTROL CABINET.	EACH	2	14	27
S.A. NO. 9 U.P.B. FENCE BRACE POSTS	EACH	8	9	14
S.A. No. 11 U.P.B. Special Hinged Steel Cab Cover			13	35
S.A. No 12 F.A.B. Change Power Source for Small tower Flood Lights @ 3850 Street	—	——	14	28

I HEREBY CERTIFY THAT THE ABOVE QUANTITIES OF WORK DONE ARE CORRECT. James Durant
PROJECT ENGINEER

DATED 5/12/75

NO.	BY	DATE	TYPE	REMARKS
	L.M.B.	3-29-73		
①	R.W.S.	3-9-73		Revised Quantity

REVISIONS

UTAH STATE DEPARTMENT OF HIGHWAYS
DIST. ONE - OGDEN, UTAH
ROADWAY DESIGN

HARRISON BLVD. — 42 ND. ST. TO 36 TH. ST.

SUMMARY SHEET

DESIGN B.H.S. 1971	CHECK B.P.W. 10-72	REVIEW	
DRAWN B.P.W. 1972	CHECK L.M.B. 1972	DESIGN	9-73
QUANT B.P.W. 1972	CHECK L.M.B. 1972	R/W	
APPROVAL RECOMM. 3-6-73 DATE	Bernard W. Smith FROM DESIGN ENGINEER		
APPROVED 3-6-73 DATE	DIST. PRECONSTRUCTION ENGR.	WEBER COUNTY	
PROJECT NUMBER NS-561(5)		SHEET NO. 3	

SUMMARY SHEET

DRAINAGE SUMMARY CONT.

STATION TO STATION	HT. OF FILL	R.C.P (RUBBER GASKET) 18"	21"	24"	30"	36"	DIV. BOX GATE & FRAME A=1.5 B=1.5	EXC FOR STR.	CONC. SM.STR CLASS A (AE)	REINF. STEEL	SCREW GATE 24"	R.C.P 12"	C.B GRATE & FRAME (V-988)	SALVAGE C.B. GRATE & FRAME	C.B. SOLID COVER & FRAME (V-988)	REMOVAL CONC. SIDEWALK	REMOVE C.B.	RECONST. C.O.B. & M.H.		DWG. NO.	LINE NO.	CONSTRUCTION SOURCE REFERENCE FIELD BOOK	PAGE	REMARKS
	FT	LIN FT.				LIN.FT	EACH	CU.YD.	CU.YD.	LB.	EACH	LIN. FT.	EACH	EACH	EACH	SQ.YD.	EACH	EACH	EACH					
~~104+23~~								~~8.7~~	~~1.8~~	~~266~~					1					V-751	4			~~C.O.B. T-1~~
~~104+25 — 104+38~~	~~2~~		~~20~~					~~12.8~~																~~FROM T-1 TO EXIST. C.O.B. BOX~~
~~104+27 — 104+35~~	~~2~~	~~16~~						~~17.0~~	~~1.4~~	~~204~~										V-751	1			~~C.B. #1~~
104+27 — 105+27	2		100					75.3								50								~~FROM C.O.B. T-1 TO C.B. 1A~~
105+29	2							12.0	3.3	322				1			1			V-1244	1			C.B. #1A REMOVE EXIST C.B.
105+31 — 107+47	2		216					181.9																FROM C.B. 1A TO C.B. #2
107+59 — 129+65														1	1			1						
107+59 — 107+49 110+31.55								9.8	2.2	293			1							V-751	6			C.B. #2
110+31.55 — 107+51 — 110+35	2		284					232.5																
110+31.55 — 112+82 110+37								9.0	2.0	285				1	1			1		V-751	5			C.B. #3
110+37	2	16						11.6																C.B. #3 TO EXIST. C.B.
110+40 — 112+80	2		240					187.1					✳ VOID - See Sheet 3-A-1 For Correct Information											
112+82								9.0	2.0	285			1							V-751	5			C.B. #4
112+84 — 115+40	2		256					189.6																
115+42	2		20					23.9	2.3	272			1							V-754	3			C.B. #5
115+42								9.0	2.0	247										V-777	7			C.O.B. #T-5
116+58	3	24						24.3	1.5	211				1	1			1		V-751	2			C.B. #6, CONNECT TO EXIST. C.B.
120+70	3	32						27.0	1.4	204				1	1			1		V-751	1			C.B. #7. CONNECT TO EXIST. C.B.
123+57								5.7	1.4	204			1							V-751	1			C.B. #8
123+85	3	92						61.3																X-ING ANGLE 119° CONNECT TO EXIST. C.B.
124+02	3	36						29.7	1.4	204				1	1			1		V-751	1			C.B. #9. CONNECT TO EXIST. C.B.
125+83														1	1			1						SALVAGED GRATE PLACE ON CB # 10
127+67	3	104						64.3	2.8	408				1	1			1		V-751	1			C.B. #10 & #11, CONNECT TO EXIST. C.B.
129+00								8.2	2.0	265					1					V-751	5			C.O.B. #12A
129+00	3	32						24.8	1.4	204										V-751	1			C.B. #12, CONNECT TO C.O.B. #12A, USE SALVAGED GRATE
130+40	3							17.6	1.4	204		4	1							V-751	1			C.B. #T-6
131+50	3	14					1	12.4	2.6	271	1				1					V-755	1			SCREW GATE ON SOUTHSIDE. DIV GATE & FRAME ON WESTSIDE, C.O.B # T-6A, 2 ELBOWS 30° & 60°.
132+08																		1						
131+52 — 133+88	3		236					196.1																
133+00														1	1			1						
133+90	3							8.6	1.6	222				1	1			1		V-860	4			C.B. #13
133+92 — 135+40	3					148		165.5																
135+28														1	1			1						
135+42	3			28				35.5	1.7	233										860	5			C.B. #14. CONNECT TO EXIST C.B.
135+44 — 138+16	3				272			272.8																
137+50														1	1			1						
138+18								12.0	3.3	322										V-1244	1			C.B. #15
138+20 — 141+00	3				280			280.8						1	1			1						EXIST. C.B. AT STA 141+00
141+02	2	24						36.7	3.7	355										V-1244	3			C.B. #6 CONNECT TO EXIST. C.B.
141+04 — 144+38	2				336			336.9																
144+40								12.0	3.3	322										V-1244	1			C.B. #17, CONNECT TO EXIST C.B.
144+42 — 145+10	2			68				57.8																
144+62														1	1			1						
TOTAL		390	1368	96	888	148	1	2692.5	48.2	5668	1	4	5	15	16	50	1	14						
USE		390	1368	96	888	148	1	2950 ①	49	5670	1	4	5	•	16	50	•	•						

I HEREBY CERTIFY THAT THE ABOVE QUANTITIES OF WORK DONE ARE CORRECT. Harry Dumant
PROJECT ENGINEER

DATED 5/12/75

NO	BY	DATE	TYPE	REMARKS
	L.M.B.	3-24-73		
①	R.D.C.	May 23		Revised quantity

REVISIONS

UTAH STATE DEPARTMENT OF HIGHWAYS,
DIST. ONE - OGDEN, UTAH
ROADWAY DESIGN

HARRISON BLVD — 42 ND. ST. TO 36 TH. ST.

SUMMARY SHEET

DESIGN	B.H.S. 1972	CHECK	L.M.B. 9-72	REVIEW
DRAWN	L.M.B. 1972	CHECK	B.H.S. 9-72	DESIGN Date see 9-72
QUANT.	J.W.T. 9-72	CHECK	B.P.W. 10-72	R/W
APPROVAL RECOMM.	3-6-73 DATE	PROJ. DESIGN ENGINEER	Leonard F. Rook	
APPROVED	3-6-73 DATE	DIST. PRECONSTRUCTION ENGR.	R.O. Richardson	WEBER COUNTY
PROJECT NUMBER	NS-561(5)			SHEET NO 3A

REVISIONS
BY DATE BY
DATE BY

SUMMARY SHEET

I HEREBY CERTIFY THAT THE ABOVE QUANTITIES OF WORK DONE ARE CORRECT. — Larry Durrant — PROJECT ENGINEER

DATED 5/12/75

SURFACING

STATION TO STATION	LENGTH	GRAVEL MATERIAL: BITUMINOUS SURFACE COURSE 3/4" MAX. 148 LBS. PER CU.FT. AVG WIDTH	DEPTH	TON	PLANT MIX BITUMINOUS SEAL COAT TYPE "B" 148 LBS./CU. FT. AVG. WIDTH	DEPTH	TON	UNTREATED BASE COURSE 1" MAX. 140 LBS PER CU.FT. AVG WIDTH	DEPTH	TON	HYDRATED LIME 1% TON	BITUMINOUS MATERIAL: VISCOSITY GRADED ASPHALT RATE OF APPL. PERCENT	GRADE A C-15 TON	RATE OF APPL. PERCENT	GRADE AC-20 TON	MC-70/MC-250 PRIME COAT 0.3 GAL. PER SQ.YD. WIDTH	TON	RC-70/RC-250 TACK COAT 0.10 GAL. PER SQ.YD. WIDTH	TON	CONSTRUCTION SOURCE REFERENCE FIELD BOOK	PAGE
104+60 — 110+60	600	85	.2083	786.1	85.125	00625	236.2	21.25	.50	446.3	10.22	6	47.17	7	16.54	23.0	3.07	85	2.26		
110+60 — 141+56	3096	104	.2083	4963.1	104.125	00625	1491.0	42.50	.50	4605.3	64.54	6	297.79	7	104.37	40.0	27.52	104	14.28		
141+56 — 144+65	309	98	.2083	466.8	98.125	00625	140.2	32.0	.50	346.1	6.07	6	28.00	7	9.82	30.0	2.06	98	1.34		
104+60— 110+60	600	18.71	.3750	312.0							3.12	6	18.72								
110+60— 141+56	3096	38.0	.3750	3265.0							32.65	6	195.90								
141+56 — 144+65	309	29.0	.3750	249.0							2.49	6	14.94								
REPLACE EXCAVATION IN RAISED MEDIANS			7.5"	689.7							6.90	6	41.38								
CONC. CURB & GUTTER DRIVEWAYS & SIDEWALK										* 14.7											
TOTAL				10,731.7			1,867.4			5,412.4	125.99		643.90		130.73		32.65		17.88		
USED				~~11,300~~ 11,529.5			~~1960~~ 2127.4			~~6,900~~ 6856.2	~~130~~ 17.64		~~700~~ 686.24		~~110~~ 136.21		~~35~~ 17.085		~~20~~ 11.825		

HIGHWAY TRAFFIC PAINT

APPLICATION FOR ESTIMATING PURPOSES ONLY — TYPE OF STRIPING	GAL./MILE	SOLID WHITE MILE	SOLID WHITE GAL.	SKIP WHITE MILE	SKIP WHITE GAL.	SOLID YELLOW MILE	SOLID YELLOW GAL.	CONSTRUCTION SOURCE REFERENCE FIELD BOOK	PAGE
4" WHITE SKIP LINE	6			0.76	13.6				
4" SOLID WHITE LINE	16	0.76	24.3						
4" SOLID YELLOW	16					2.12	48.5		
MEDIANS 4" SOLID YELLOW	16					1.36	21.8		
SUB TOTAL			24.3		13.6		70.3		
TOTAL		~~108.2~~							
USED		~~110~~ 57.14							

CONCRETE CURB

STATION TO STATION	REMOVAL OF CONCRETE CURB LIN. FT.	CONSTRUCTION SOURCE REFERENCE FIELD BOOK	PAGE
104+65 — 144+65	3487		
TOTAL	3487		
USED	3444.1 ~~3450~~		

EARTHWORK QUANTITIES

STATION TO STATION	EMBANKMENT CU YD.	ROADWAY EXCAVATION CU YD.	EXCESS MATERIAL	GRANULAR BORROW TON	CONSTRUCTION SOURCE REFERENCE FIELD BOOK	PAGE
104+60 — 110+60				1487.8		
110+60 — 144+00	4,178	16,669	11,445	16,5079		
REMOVE MEDIANS		372	372			
TOTAL		17,041	* 11,817	17,995.7		
USED		~~17,100~~ 28210.5		~~19,000~~ 13,486.2		

* TO BE USED ON NR-284(1)

LINEAR SUMMARY

STATION TO STATION	LINEAR FEET	MILES	CONSTRUCTION SOURCE REFERENCE BOOK	PAGE
104+65 — 144+65	4000	0.758		

RIGHT-OF-WAY MARKERS

STATION	LEFT OR RIGHT EACH	CONSTRUCTION SOURCE REFERENCE FIELD BOOK	PAGE
105+85.42	1 RT.	9	37
110+~~37.72~~ 33.91	1 RT.	"	"
~~111+61.85~~	~~1 RT.~~	"	"
111+61.85	1 LT.	"	"
~~119+01.65~~	~~1 RT.~~	"	"
119+0165	1 LT.	"	"
122+10	1 LT.	"	"
~~122+10~~	~~1 RT.~~	"	"
126+10	1 LT.	"	"
~~126+10~~	~~1 RT.~~	"	"
130+75	2 LT.	"	"
~~135+33~~	~~2 LT.~~	"	"
139+17~~35~~	1 RT.	"	"
~~135+33~~	~~1 RT.~~		
141+~~80~~ 47.82	1 RT.	"	"
144+48.8	1 RT.	"	"
~~144+48.8~~	~~1 LT.~~	9	37
TOTAL	~~18~~ 11		
USED	~~18~~ 11		

CONCRETE CURB & GUTTER, DRIVEWAYS & SIDEWALK

STATION TO STATION	LEFT OR RIGHT	REMOVAL OF CONC. CURB AND GUTTER LIN. FT.	CURB AND GUTTER TYPE "A" LIN. FT.	CONCRETE DRIVEWAY 7" THICK LIN. FT.	UNTREAT BASE COURSE 1" MAX. TON	Conc. Sidewalk 7" Thick SA # 3 Sq Yd.	EXC. FOR STRUCT. CU. YD.	CONSTRUCTION SOURCE REFERENCE FIELD BOOK	PAGE
36th ST. S.E. SIDE	RT	32							
129+96—134+88	RT.	518							
105+85—110+59	RT.		405			58.9			
111+30—117+17	RT.		618						
117+92—129+39	RT.		1167						
130+15—138+31	RT.		826						
139+00—144+65	RT.		590						
106+02	RT.			42	7.34				
107+27	RT			42	7.34				
TOTAL		551	3606	84	* 14.7				
USED		~~650~~ 509.1	~~3610~~ 3590.6	~~84~~ 123.7		58.9			

* CARRIED TO SURFACING SUMMARY

NOTE: STRUCTURAL EXCAVATION FOR CURB & GUTTER, SHALL BE PAID FOR AS ROADWAY EXCAVATION

NOTE: ALL QUANTITIES ARE APPROXIMATED

NO.	BY	DATE	TYPE	REMARKS
1	DEK	4-16-75	Re Const. Plan totals	

REVISIONS

UTAH STATE DEPARTMENT OF HIGHWAYS
DIST. ONE - OGDEN, UTAH
ROADWAY DESIGN

HARRISON BLVD. — 42ND ST. TO 36TH ST.
SUMMARY SHEET

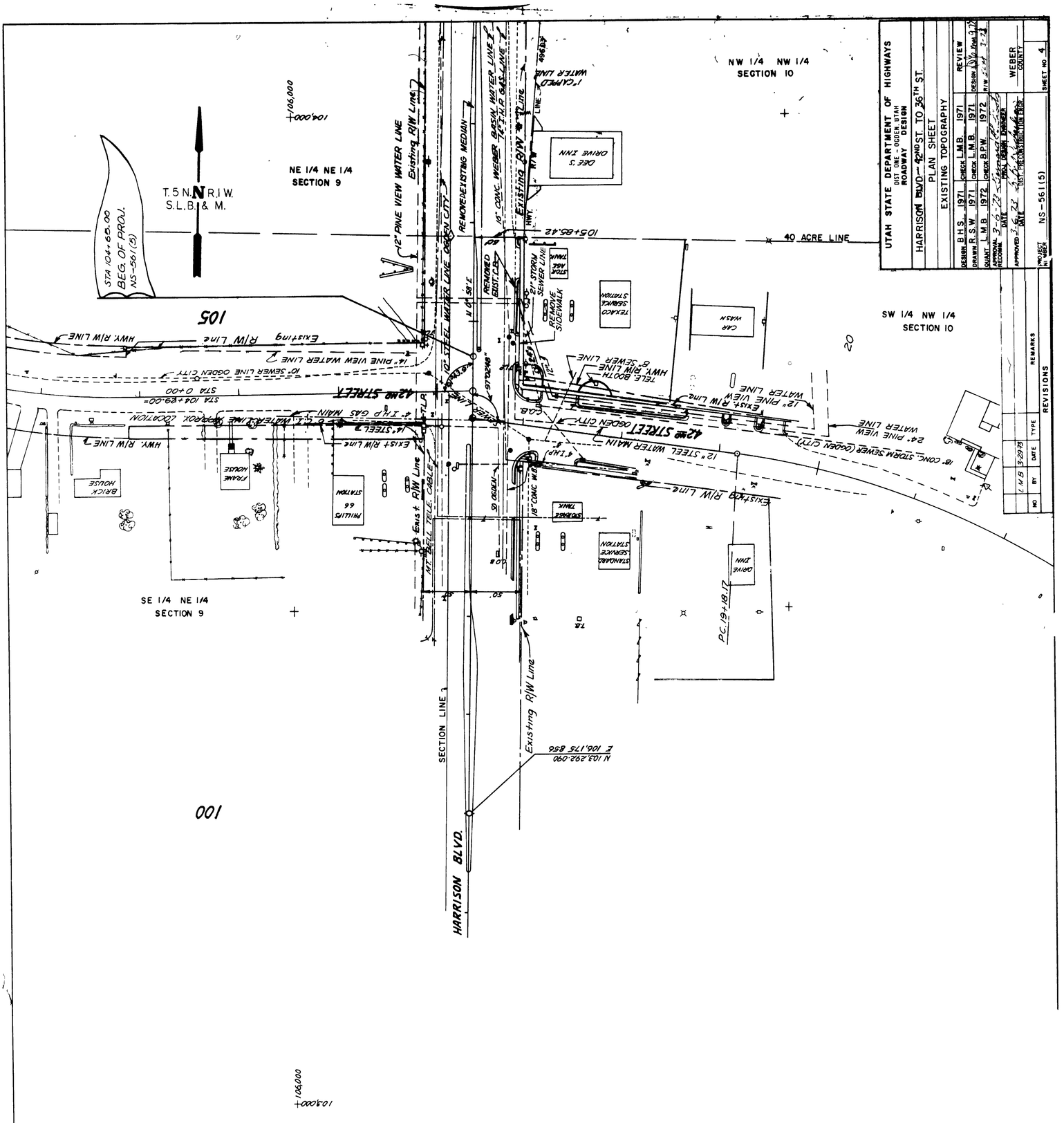
DESIGN	B.H.S. 1971	CHECK	J.W.T. 10-72	REVIEW
DRAWN	B.P.W. 1972	CHECK	L.M.B 1972	DESIGN Apr May 9 73
QUANT.	B.P.W. 1972	CHECK	L.M.B 1972	R/W

APPROVAL RECOMM. 3-6-73 DATE — PROJ. DESIGN ENGINEER
APPROVED 3-6-73 DATE — DIST. PRECONSTRUCTION ENGR.

WEBER COUNTY

PROJECT NUMBER NS-561(5)

SHEET NO. 38



REVISIONS
DATE BY DATE BY

UTAH STATE DEPARTMENT OF HIGHWAYS
DIST ONE – OGDEN UTAH
ROADWAY DESIGN

HARRISON BLVD – 42ND ST. TO 36TH ST.
PLAN SHEET
EXISTING TOPOGRAPHY

DESIGN B H S 1971	CHECK L.M.B. 10-71	REVIEW
DRAWN R S W 1971	CHECK L.M.B. 10-71	DESIGN [signature]
QUANT L M.B 1972	CHECK B P.W. 1972	R/W [signature] 3-73
APPROVAL RECOMM [signature] DATE / PROJ. DESIGN ENGINEER		
APPROVED [signature] DATE / DIST PRECONSTRUCTION ENGR.		WEBER COUNTY
PROJECT NUMBER NS-561(5) NR-284(1)		5 SHEET NO 4

UTAH STATE DEPARTMENT OF HIGHWAYS
DIST. ONE - OGDEN, UTAH
ROADWAY DESIGN

HARRISON BLVD — 42ND ST TO 36TH ST.
REMOVAL OF BUILDINGS AND FOUNDATIONS

DESIGN B.H.S 1971	CHECK L.M.B. 10-71	REVIEW
DRAWN R.S.W 1971	CHECK L.M.B. 10-71	DESIGN [signature]
QUANT. L.M.B. 1972	CHECK B.P.W. 1972	R/W [signature] 3-73
APPROVAL RECOMM. 3-6-73 [signature: Bernard H. Sloots] DATE PROJ. DESIGN ENGINEER		
APPROVED 3-6-73 [signature] DATE DIST. PRECONSTRUCTION ENGR.		WEBER COUNTY
PROJECT NUMBER NS-561(5) NR-284(1)		SHEET NO. 6 5

NO	BY	DATE	TYPE	REMARKS

REVISIONS

UTAH STATE DEPARTMENT OF HIGHWAYS
DIST. ONE – OGDEN, UTAH
ROADWAY DESIGN

HARRISON BLVD – 42ND ST. TO 36TH ST.
PLAN SHEET
EXISTING TOPOGRAPHY

DESIGN B.H.S 1971	CHECK L.M.B 10-71	REVIEW.
DRAWN R.S.W. 1971	CHECK L.M.B. 10-71	DESIGN [signature] mar 9 73
QUANT. L.M.B 1972	CHECK B.P.W. 1972	R/W ELM 3-73

APPROVAL RECOMM. 3-6-73 (DATE) Bernard F. Hooke (PROJ. DESIGN ENGINEER)
APPROVED 3-6-73 (DATE) [signature] (DIST. PRECONSTRUCTION ENGR.)

WEBER COUNTY

PROJECT NUMBER NS-561(5) NR-284(1)

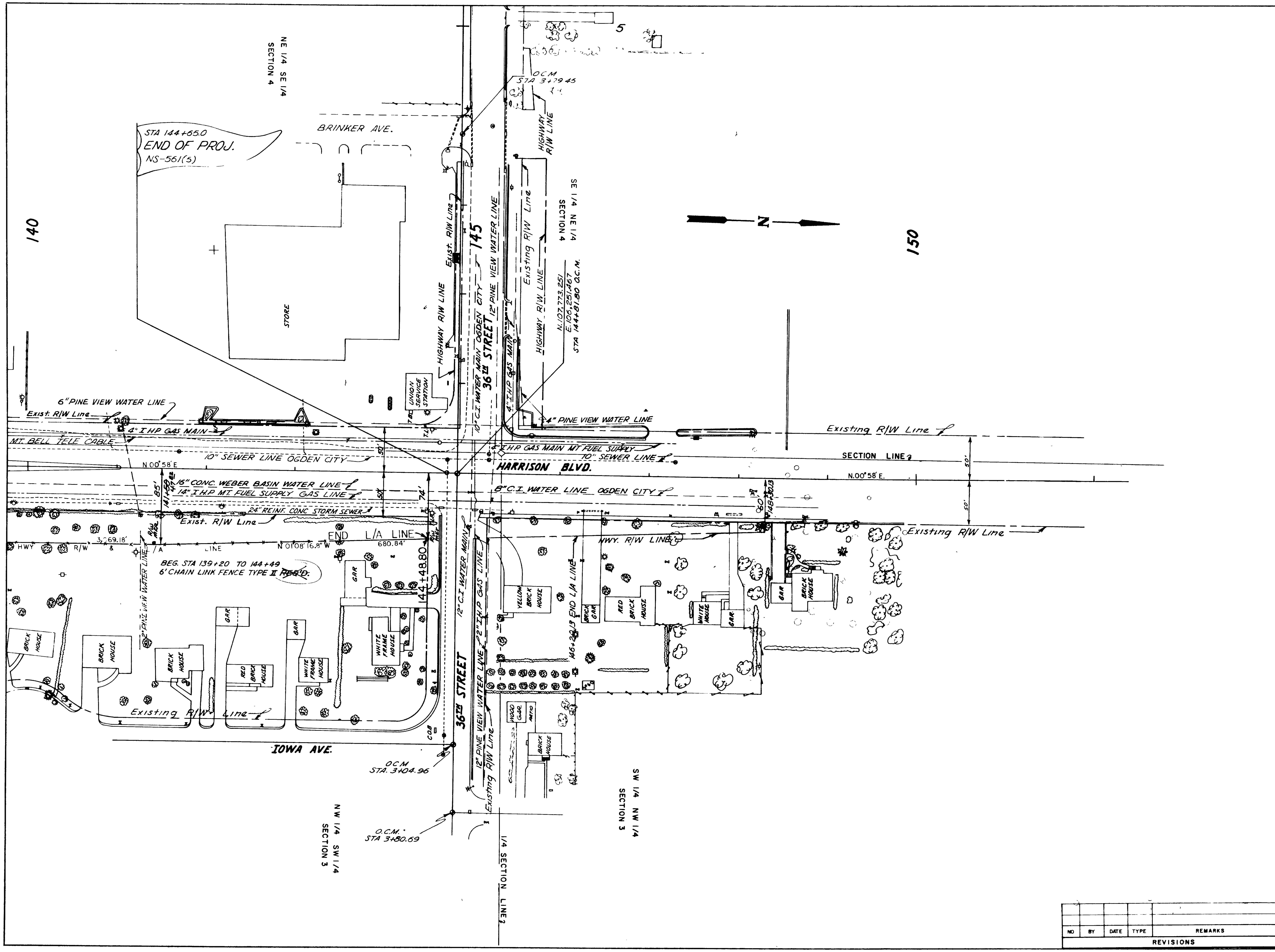
SHEET NO. 7 6

NO.	BY	DATE	TYPE	REMARKS

REVISIONS

UTAH STATE DEPARTMENT OF HIGHWAYS		
DIST ONE – OGDEN, UTAH ROADWAY DESIGN		
HARRISON BLVD – 42ND ST. TO 36TH ST.		
REMOVAL OF BUILDINGS AND FOUNDATIONS		
DESIGN B.H.S. 1971	CHECK L.M.B. 10-71	REVIEW
DRAWN R.S.W. 1971	CHECK L.M.B. 10-71	DESIGN
QUANT. L.M.B. 1972	CHECK B.P.W. 1972	R/W ELM 3-73
APPROVAL RECOMM 3-6-73 DATE — PROJ. DESIGN ENGINEER		
APPROVED 3-6-73 DATE — DIST. PRECONSTRUCTION ENGR.		WEBER COUNTY
PROJECT NUMBER NS-561(5) NR-284(1)		SHEET NO. 8 / 7

NO	BY	DATE	TYPE	REMARKS
REVISIONS				



NO	BY	DATE	TYPE	REMARKS

REVISIONS

UTAH STATE DEPARTMENT OF HIGHWAYS
DIST ONE - OGDEN, UTAH
ROADWAY DESIGN

HARRISON BLVD. – 42ND ST TO 36TH ST.
PLAN SHEET
EXISTING TOPOGRAPHY

DESIGN B.H.S. 1971	CHECK L.M.B. 9-71	REVIEW	
DRAWN R.S.W. 1971	CHECK L.M.B. 9-71	DESIGN	
QUANT L.M.B. 1972	CHECK B.P.W. 1972	R/W	
APPROVAL RECOMM. 3-6-73 DATE	PROJ. DESIGN ENGINEER		
APPROVED 3-6-73 DATE	DIST. PRECONSTRUCTION ENGR.	WEBER COUNTY	
PROJECT NUMBER NS-561(5)		SHEET NO. 9	

STA. 104+65
BEG. OF PROJ.
NS-561(5)
42ND STREET
104+70 2' RAD PT. 5' RT.
105
109+50 BEG. TAPER 8' RT.
110' STD. TAPER
107+60 END ¢ BEG. TAPER ON ¢
110
110+35 3' RAD PT. 24' RT.
110+50 1.25' RAD. PT. 1.75' RT.
10+00 41 ST. STREET
110+90.52 HARRISON BLVD.
110+90 5' RAD. PT 12' RT.
111+40 1.25' RAD. PT. 1.75' RT.
111+50 1.25' RAD PT. 26.25' RT.
113+50 BEG TAPER 2.5' RT.
114+60 END ¢ BEG TAPER 1' RT.
115
116+90 3' RAD PT. 24.5' RT.
117+03 2' RAD. PT. 1.75' RT.
117+50 5' RAD PT. 12' RT.
117+50 5' RAD PT. 15' RT ¢ 2' RAD PT. 80' RT
117+50 HARRISON BLVD. = 13+15 40 TH STREET
117+92.5 1.25' RAD 1.75' RT
118+10 1.25' RAD 25.25' RT.
HARRISON BLVD.
PAINTED MEDIAN
EXISTING CURB & GUTTER
CONC CURB & GUTTER TYPE "A"
110+35 END TAPER 67' RT.
MATCH EXIST C & G
10+80 2' RAD PT. ¢
105+85.42 BEG TAPER 44.5' RT.
106+03 30' CONC. DRIVEWAY
107+35 TAPER PT. 56' RT.
107+26 30' CONC. DRIVEWAY
EXISTING DRIVEWAY
STA 12+40.00 41ST STREET
STA 40+15.65 PERIPHERAL RD.
END OF PROJECT NR-284(1)
12+50 2' LT BEG TAPER
OFF REV. T.S. 12+71.90
12+71 2' RAD. PT. 16' LT.
OFF REV S.C. 13+21.90
13+21 2' RAD. PT. 4' RT.
OFF REV C.S. 14+21.90
OFF REV. P.R.S 14+71.90
17+80 END TAPER 28' LT.
P.S. 15+71.90 OFF REV.
15+78 BEG 90° RAD 19' LT.
16+13 2' RAD PT 3' LT.
P.C. 18+71.90 OFF REV
PAINTED MEDIAN
EXISTING CURB & GUTTER
41 ST. STREET
20:1 TAPER
32'
42'
CONSTRUCTION LIMIT
DETAIL OF 6' MEDIAN
41ST STREET
40TH STREET
3850 STREET
NOTE: ALL RADII ARE TO FACE OF CURB & CURB & GUTTER
41 ST STREET
PAINTED MEDIAN
CURB & GUTTER
EXISTING
15
S.C. 39+48.77
11+53 BEG TAPER 71' RT.
T.S. 38+68.77
36+70 END TAPER 35.5' RT.
34+97 2' RAD PT. 35' RT.
35+15 BEG TAPER 49.5' RT.
11+59 2' RAD. PT. 33' LT
12+15 RAD PT. 127' LT
116+93 END TAPER 74' RT
S.T. 34+88.85
PLANTING AREA CONC. CURB TYPE "H"
"D"
TOPSOIL
40TH STREET
C.S. 33+29.85
105' R
38+82 END TAPER 23' LT.
S.T. 38+67.08
C.S. 37+47.08 BEG. OF TAPER 35.5' LT.
37+00 ¢ 40' APPROACH
S.C. 36+50.78
FACE TO FACE
20' R.
40'
CONC. CURB & GUTTER TYPE "A"
13+38 RAD. PT. 157' RT.
35+79 6.5' LT END OF TAPER
T.S. 35+00.78
34+69 2.5' RT BEG. OF TAPER
13+40 BEG. TAPER 50' LT.
¢ END CURB & GUTTER
13+38 2' RAD. PT 35' LT.
14+25 BEG. MED. TAPER 14' LT.
20:1 TAPER
15
33+54 2' RAD PT 4.5' RT
10+51 2' RAD. PT.
33+46 2' RAD. PT. 4.5' LT.
10+03 2' RAD. PT.
10+00 40TH STREET = PERIPHERAL ROAD 33+22
32+60 2' RAD PT. 45' LT.
CONC CURB & GUTTER TYPE 'A'
STA 118+18
11+11 2' RAD PT 29' RT.
11+47 RAD PT
31+80 2' RAD. PT. 35' RT.
S.C. 31+16.85
PLANTING AREA "C"
CONC. CURB TYPE "H"
TOPSOIL

NO	BY	DATE	TYPE	REMARKS
	Dex	3-29-78		As Constructed
	L.M.B	3-29-73		

REVISIONS

UTAH STATE DEPARTMENT OF HIGHWAYS
DIST. ONE – OGDEN, UTAH
ROADWAY DESIGN

HARRISON BLVD.–42ND ST. TO 36TH ST.
CHANNELIZATION SHEET

DESIGN	B.H.S. 1971	CHECK	D.P 1971	REVIEW
DRAWN	L.M.B 1971	CHECK	B.H.S 1971	DESIGN
QUAN.	L.M.B 1972	CHECK	B.P.W. 1972	R/W

APPROVAL RECOMM. 3-5-73 — PROJ. DESIGN ENGINEER
APPROVED 3-6-73 — DIST. PRECONSTRUCTION ENGR.

PROJECT NUMBER: NS-561(5), NR-284(1)

WEBER COUNTY
10
SHEET NO. 8

TO MC KAY HOSPITAL
120
125
130
135
RETAIN EXISTING CURB & GUTTER
HARRISON BLVD.
PAINTED MEDIAN
PAINTED
121+05 BEG TAPER 25' RT
122+50 END TAPER 0.5' RT
123+89 1.25' RAD. PT. 25' RT
123+75 1.25' RAD. PT. 1.75' RT
124+26 5' RAD. PT. 11' RT
124+83 2' RAD. PT. 25' RT
124+76 2' RAD. PT. 25' RT
125+93 BEG. TAPER 45' RT
+56.00
127+84 END & BEG. TAPER 27.5' RT
128+85 END TAPER 13' RT
129+25 2' RAD. PT. 11' RT
12+78 3850 SOUTH = HARRISON BLVD.
3850 STREET
129+75 2' RAD. PT. 80' RT
130+30 1.25' RAD. PT. - 26.25' RT
134+47 BEG. TAPER 25' RT
135+35 BEG. TAPER 27.5' RT
135+77 END TAPER 0.5' RT
CONC. CURB & GUTTER TYPE "A"
PERIPHERAL ROAD
PLANTING AREA
CONC. CURB TYPE "H"
TOPSOIL
24+38.75 END TAPER 35.5' RT.
11+08.5 2' RAD. PT. 35' RT.
11+19.5 2' RAD. PT. 25' LT.
11+61 RAD. PT. 107' LT.
16+45 BEG TAPER 35.5' RT
18+81 2' RAD. PT. 35' RT
18+80 52' RT. END TAPER
FACE TO FACE
EDVALSON AVE.
MATCH EXIST. CURB & GUTTER
TEMPORARY CONNECTION PERIPHERAL ROAD
10+06 2' RAD. PT.
10+52 2' RAD. PT.
19+37 2' RAD. PT. 4.5' RT.
20+27 12' RAD. PT. 4.5' RT.
21+67 BEG TAPER 2.5' RT
22+04 2' RAD. PT. 35' RT.
22+77 END TAPER 6.5' LT.
17+52 END TAPER 6.5' LT.
15+50 END TAPER 6.5' RT.
15+10 2' RAD. PT. 4.5' LT.
14+82 CENTER LINE
14+43 2' RAD. PT. 4.5' LT.

NOTE: ALL TREES SHOWN ON THIS SHEET TO BE PRESERVED, SEE SPECIAL PROVISION.

NOTE: ALL RADII ARE TO FACE OF CURB & CURB & GUTTER

NO	BY	DATE	TYPE	REMARKS

REVISIONS

UTAH STATE DEPARTMENT OF HIGHWAYS
DIST ONE - OGDEN, UTAH
ROADWAY DESIGN

HARRISON BLVD — 42^{ND} ST. TO 36^{TH} ST.
CHANNELIZATION SHEET

		REVIEW
DESIGN B.H.S. 1971	CHECK D.P. 1971	DESIGN
DRAWN L.M.B. 1971	CHECK B.H.S. 1971	R/W
QUANT L.M.B. 1972	CHECK B.P.W. 1972	
APPROVAL RECOMM — DATE	PROJ. DESIGN ENGINEER	
APPROVED — DATE	DIST. PRECONSTRUCTION ENGR.	WEBER COUNTY
PROJECT NUMBER NS-561(5) NR-294(1)		11 SHEET NO 9

NOTE: ALL RADII ARE TO FACE
OF CURB & CURB & GUTTER

NO	BY	DATE	TYPE	REMARKS
REVISIONS				

UTAH STATE DEPARTMENT OF HIGHWAYS
DIST. ONE - OGDEN, UTAH
ROADWAY DESIGN

HARRISON BLVD - 42ND ST. TO 36TH ST

CHANNELIZATION SHEET

DESIGN B H S 1971	CHECK L M B 1971	REVIEW
DRAWN L M B. 1971	CHECK B H S 1971	DESIGN
QUANT L M B. 1972	CHECK B PW. 1972	R/W
APPROVAL RECOMM. 3-6-73 DATE	PROJ. DESIGN ENGINEER	
APPROVED 3-8-73 DATE	DIST. PRECONSTRUCTION ENGR.	WEBER COUNTY
PROJECT NUMBER NS-561(5) NR-284(1)		SHEET NO 12 10

UTAH STATE DEPARTMENT OF HIGHWAYS
DIST ONE - OGDEN, UTAH
ROADWAY DESIGN

HARRISON BLVD - 42ND ST TO 36TH ST
DRAINAGE SHEET

DESIGN J.W.T.	5-72	CHECK B.H.S.	7-72	REVIEW
DRAWN B.P.W.	5-72	CHECK L.M.B.	7-72	DESIGN
QUANT B.P.W.	5-72	CHECK B.H.S.	6-72	R.W.

APPROVAL RECOMM 3-5-73 — DATE — PROJ. DESIGN ENGINEER

APPROVED — DATE — DIST. PRECONSTRUCTION ENGR.

WEBER COUNTY

PROJECT NUMBER NS-561 (5) NR-284 (1)

13

SHEET NO. 11

UTAH STATE DEPARTMENT OF HIGHWAYS
DIST ONE – OGDEN UTAH
ROADWAY DESIGN

HARRISON BLVD.- 42ND ST. TO 36TH ST.
DRAINAGE SHEET

DESIGN J W T	5-72	CHECK B H S	7-72	REVIEW	
DRAWN B P W	5-72	CHECK L M.B	7-72	DESIGN	
QUANT B P W	5-72	CHECK B H S	6-72	R/W	

APPROVAL RECOMM 3-6-73 DATE — PROJ. DESIGN ENGINEER
APPROVED 3-6-73 DATE — DIST PRECONSTRUCTION ENGR.

WEBER COUNTY

PROJECT NUMBER NS-561 (5) NR-284 (1)

SHEET NO. 14 12

NO.	BY	DATE.	TYPE	REMARKS
	LMB	3-29-73		
1		3-9-73		Revised length on pipe

REVISIONS

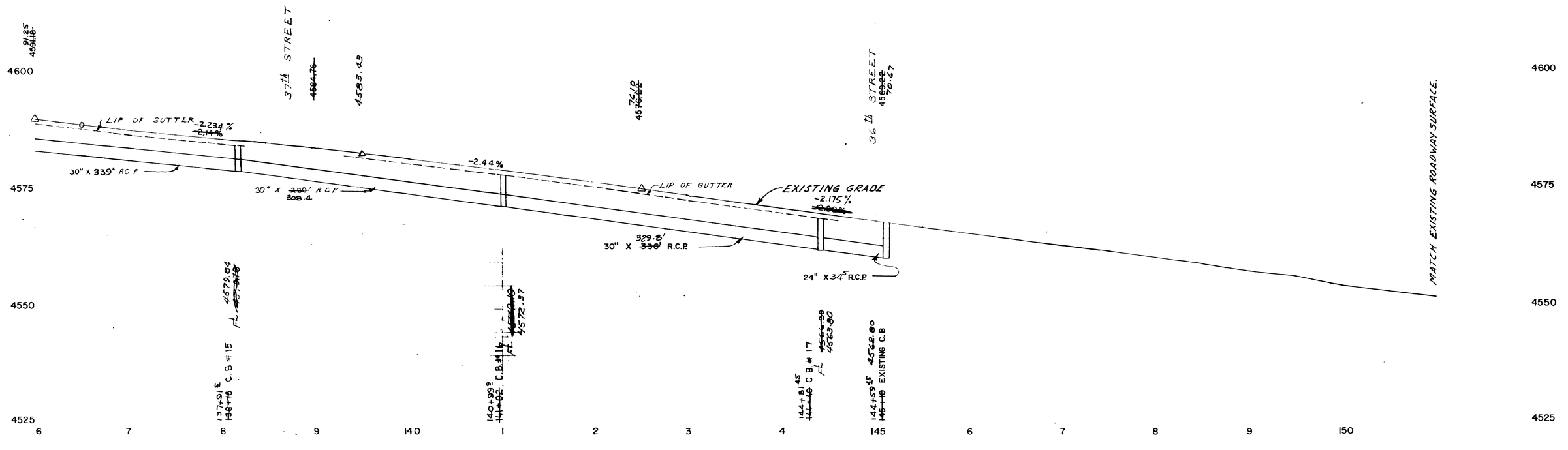
135
140
145
150
STA 135+28 SALVAGE EXISTING GRATE SOLID STEEL COVER
STA 10+00 – BEGIN OF PROJECT NS-284(1)
STA 138+70
STA. 144+65
END. OF PROJ.
NS-561(5)
37th STREET
36th STREET
ADJUSTED
EXISTING STORM SEWER
18" X 31.5 R.C.P
30" X 339.1' R.C.P
30" X 308.4 R.C.P
30" X 329.1' R C P
5' WIDE SIDEWALK
SM. TOWER
LARGE TOWER
1" RIGID STEEL GALV CONDUIT
#14
#15
#16
#17
18" X R.C.P
NEW 30" RCP
NEW V-1244
30" RCP STUB
NEW 24" RCP
PLUGGED
NOTE: ALL EXISTING CATCH BASINS WERE ADJUSTED
STA 14+53 C B #Y 34' RT. V-75 LINE 3
STA 14+53 C B #X 62' LT V-75 LINE 2
STA 137+50 SALVAGED EXISTING GRATE SOLID STEEL COVER
STA 137+91 C B #15 74' RT. V-754 LINE M USED SALVAGED GRATE
STA 140+99 40' RT. SALVAGED EXISTING GRATE SOLID STEEL COVER USED
STA 140+99 C B #16 71' RT. V-754 LINE M USED SALVAGED GRATE
STA 144+31 C B #17 52' RT. V-1244 LINE M
STA 144+62 39' RT. SALVAGED EXISTING GRATE, SOLID STEEL COVER USED
NO BY DATE TYPE REMARKS
REVISIONS
UTAH STATE DEPARTMENT OF HIGHWAYS
DIST ONE - OGDEN, UTAH
ROADWAY DESIGN
HARRISON BLVD.–42ND ST TO 36TH ST
DRAINAGE SHEET
DESIGN JWT 5–72 CHECK BHS 7–72
DRAWN BPW 5–72 CHECK L.M B 7–72
QUANT BPW 5–72 CHECK B.H.S. 6–72
REVIEW
DESIGN
R/W
APPROVAL RECOMM. DATE PROJ DESIGN ENGINEER
APPROVED DATE DIST PRECONSTRUCTION ENGR.
WEBER COUNTY
PROJECT NUMBER NS–561(5) NR–264(1)
SHEET NO 15 13

UTAH STATE DEPARTMENT OF HIGHWAYS
DIST ONE – OGDEN UTAH
ROADWAY DESIGN

HARRISON BLVD – 42ND ST TO 36TH ST
PROFILE & GRADE SHEET

DESIGN B.H.S. 1971	CHECK J.W.T. 7-72	REVIEW
DRAWN L.M.B. 1971	CHECK B.H.S. 7-72	DESIGN
QUANT L.M.B. 1972	CHECK B.P.W. 1972	R/W
APPROVAL RECOMM 3-6-73 — DATE / PROJ DESIGN ENGINEER		
APPROVED 3-…-73 — DATE / DIST. PRECONSTRUCTION ENGR.		WEBER COUNTY
PROJECT NUMBER NS-56(5)		SHEET NO 16

NO	BY	DATE	TYPE	REMARKS
REVISIONS				



UTAH STATE DEPARTMENT OF HIGHWAYS
DIST. ONE – OGDEN, UTAH
ROADWAY DESIGN

HARRISON BLVD – 42ND ST TO 36TH ST.
PROFILE & GRADE SHEET

DESIGN B.H.S. 1971	CHECK J.W.T. 7-72	REVIEW
DRAWN L.M.B. 1971	CHECK B.H.S. 7-72	DESIGN
QUANT L.M.B. 1972	CHECK B.P.W. 1972	R/W
APPROVAL RECOMM. 3-6-73 DATE	PROJ. DESIGN ENGINEER	
APPROVED DATE	DIST. PRECONSTRUCTION ENGR.	WEBER COUNTY
PROJECT NUMBER NS-561(5)		SHEET NO 17

NO	BY	DATE	TYPE	REMARKS

REVISIONS

LOCATION: Harrison Blvd. AND ...

SIGNAL CONTROLLER (STATE FURNISHED)

LOCATION	CABINET: TYPE G	CABINET: TYPE M	CONTROLLER: 2 PHASE ELECTRO-MECHANICAL	CONTROLLER: 2 PHASE SOLID STATE	CONTROLLER: 3 PHASE SOLID STATE	CONTROLLER: 4 PHASE SOLID STATE			AMPLIFIER UNIT: LOOP DETECTOR	AMPLIFIER UNIT: MAGNETIC DETECTOR
3850 Street		1			1				3	
40th Street		1			1				2	
Interlock system (36th Street to 42nd Street)										
UNITS	EA	EA.	EA	EA	EA	EA	EA	EA.	EA	EA.
TOTAL		2			2				5	.

SIGNAL STRUCTURAL SUPPORT SYSTEM

LOCATION	STRUCTURAL STEEL: MAST ARM SIGNAL POLE (STATE FURNISHED)	STRUCTURAL STEEL: MAST ARM SIGNAL POLE WITH LIGHT POLE EXTENSION (STATE FURNISHED)	STRUCTURAL STEEL: HIGH STRENGTH SIGNAL POLE	STRUCTURAL STEEL: POLE MOUNT FOR SIGNAL HEADS	FOUND.: CLASS A CONCRETE (AE) INCLUDES CONTROLLER FOUNDATION
3850 Street	2	2			11
40th Street	1	2		1	9½
Interlock system (36th Street to 42nd Street)					
UNITS	EA.	EA.	EA	EA.	CU YD.
TOTAL	3	4		1	20½

VEHICULAR and PEDESTRIAN SIGNAL HEADS

LOCATION	SIGNAL HEADS: 12", 1 WAY, 3 SECTION WITH 3 (125V - 150W) LAMPS	SIGNAL HEADS: 12", 1 WAY, 3 SECTION WITH LEFT OR RIGHT TURN ARROW	PED. SIGNALS: "WALK - DON'T WALK" GRID TYPE INDICATIONS FRAMEWORK	PED. SIGNALS	STREET LIGHTS: 400 W 240 V TYPE III LUMNR AH FRONT SOCKET POSITION, HIGH PRESSURE SODIUM	STREET LIGHTS: 400 W. 240 V. TYPE III LUMNR AH REAR/1 SOCKET POSITION MERCURY VAPOR
3850 Street	8	1	8			2
40th Street	4	4	6			2
Interlock system (36th Street to 42nd Street)						
UNITS	EA	EA	EA	EA.	EA.	EA.
TOTAL	12	5	14			4

LOCATION	CABLES (IMSA SPECS 19-1 OR 20-1): 4 CDR. NO. 14 PVC SIGNAL CIRCUIT	CABLES: 7 CDR. NO. 14 PVC PEDESTRIAN CIRCUIT	CABLES: 7 CDR. NO. 14 PVC INTERLOCK SYSTEM	CABLES: CDR. NO. PVC SIGNAL CIRCUIT	CABLES: 4 CDR. NO. 14 PVC MAST ARM SIGNAL POLE	CABLES: 1 CDR NO 6 PVC STREET LIGHTING
3850 Street	450	400	340		330	680
40th Street	328	450	565		255	690
Interlock system (36th Street to 42nd Street)			3900			
UNITS	FT	FT.	FT.	FT	FT.	FT
TOTAL	778	850	4805		585	1370

LOCATION	CONDUIT: 1" RIGID STEEL CONDUIT (GALV.) SIGNAL CIRCUITS	CONDUIT: 2 1/2" RIGID STEEL CONDUIT (GALV) SIGNAL CIRCUITS	CONDUIT: 1" RIGID STEEL CONDUIT (GALV.) STREET LIGHTING CIRCUIT	CONDUIT: 1 1/2" RIGID STEEL CONDUIT (GALV.) INTERLOCK SYSTEM	JUNCTION BOX: TYPE III JUNCTION BOX	JUNCTION BOX: TYPE IV JUNCTION BOX
3850 Street		310	220		3	5
40th Street		325	240		3	4
Interlock system (36th Street to 42nd Street)				3765		13
UNITS	FT	FT	FT.	FT	EA	EA
TOTAL		635	460	3765	6	22

SIGNAL DETECTION DEVICE

LOCATION	SENSING UNITS: 1 CDR NO. 14 LOOP DETECTOR *	SENSING UNITS: MAGNETIC DETECTOR MULTI-LANE	SENSING UNITS: PUSH BUTTONS AND SIGNS	SENSING UNITS	CABLES (IMSA SPECS. 19-1 OR 20-1): 2 CDR NO 14 SHIELDED DETECTOR CIRCUIT *	CABLES: 3 CDR NO. 14 PVC PUSH BUTTON CIR.	CABLES: CDR NO PVC	CABLES: CDR NO. PVC	CONDUIT: 1" RIGID STEEL CONDUIT (GALV.) DETECTOR CIRCUITS	CONDUIT: 1 1/2" PVC. CONDUIT FOR LOOP DETECTOR LEAD-IN	CONDUIT: 3" FIBER DUCT (PLASTIC)
3850 Street	1600		8		340	370			336	75	
40th Street	1188		6		328	402			223	75	
Interlock system (36th Street to 42nd Street)											
UNITS	FT.	EA.	EA.	EA.	FT	FT	FT.	FT	FT	FT	FT
TOTAL	2788		14		668	772			559	150	

SIGNAL POWER SOURCE

LOCATION	SIGNALS: 1 CDR. NO 6 PVC SIGNAL CIRCUIT	SIGNALS: 1" RIGID STEEL CONDUIT (GALV.) SIGNAL CIRCUIT	STREET LIGHTS: 1 CDR. NO. 6 PVC LIGHTING CIRCUIT	STREET LIGHTS: 1" RIGID STEEL CONDUIT (GALV.) LIGHTING CIRCUIT
3850 Street	130	65	130	65
40th Street	130	65	130	65
Interlock system (36th Street to 42nd Street)				
UNITS	FT.	FT.	FT	FT.
TOTAL	260	130	260	130

PAY QUANTITIES

	SIGNAL CONTROLLER	SIGNAL STRUCTURAL SUPPORT SYSTEM	VEHICULAR and PEDESTRIAN SIGNAL HEADS	SIGNAL DETECTION DEVICE	SIGNAL POWER SOURCE
3850 Street	For information only	1 Lump	1 Lump	1 Lump	1 Lump
40th Street	For information only	1 Lump	1 Lump	1 Lump	1 Lump
Interlock System			1 Lump		

NOTES:

STATE FURNISHED CONTROLLER EQUIPMENT SHALL BE DELIVERED TO THE JOB SITE BY STATE FORCES. FOR DELIVERY CALL 328-5301 (SIGNAL LAB) 5 WORKING DAYS PRIOR TO DESIRED DELIVERY DATE.

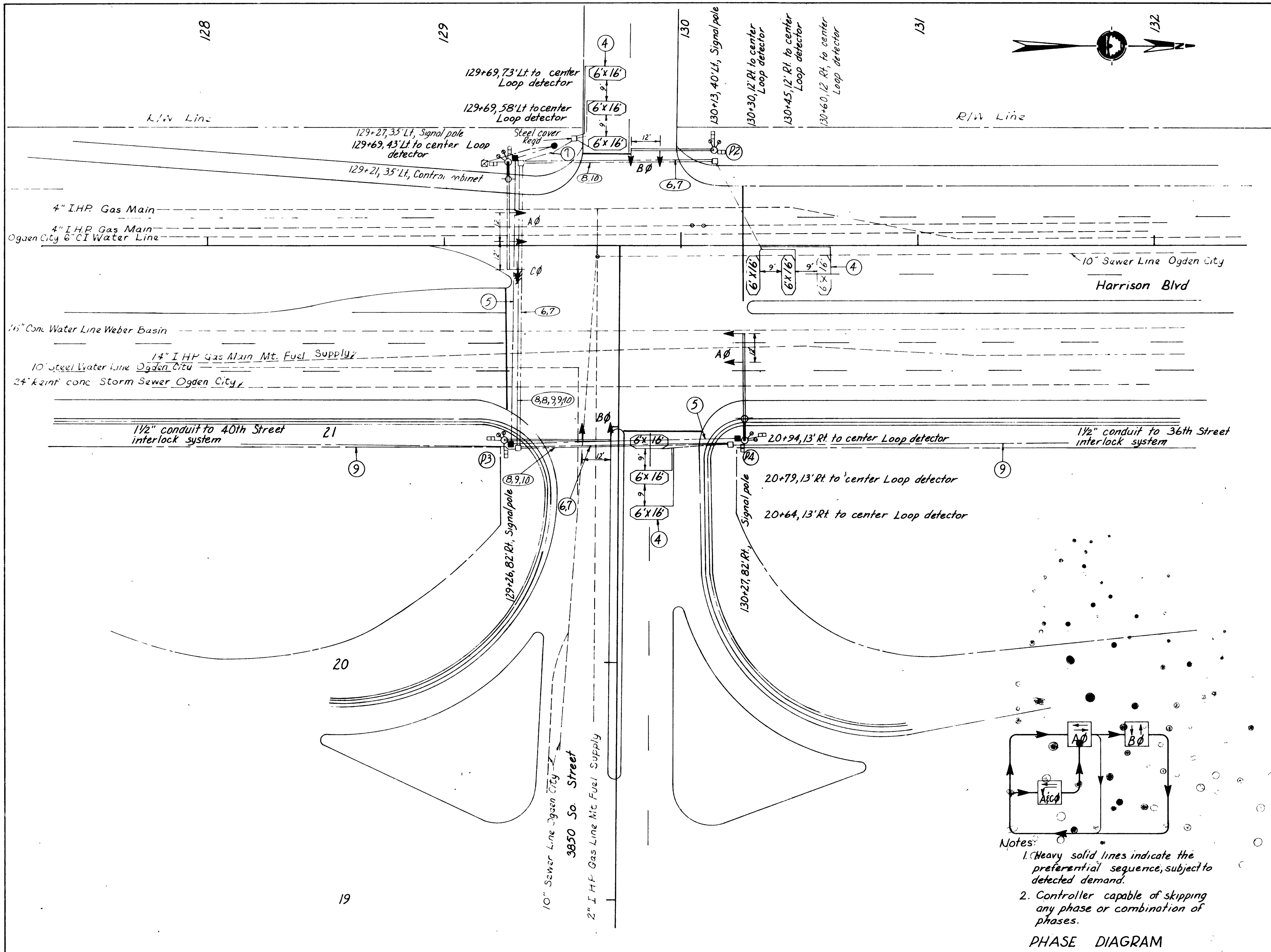
SIGNAL POWER SOURCE:
SIGNALS - FROM POWER SOURCE TO CONTROLLER CABINET.
STREET LIGHTS - FROM POWER SOURCE TO LIGHTING JUNCTION BOX.

* STRANDED POLYETHYLENE INSULATED CABLE.

TRAFFIC DESIGN
TRAFFIC SIGNALS
Harrison Blvd — 3850 St. & 40th St.
SUMMARY & SCHEDULE SHEET

K.F. Herzog BE
K.F. Herzog 3-2-73
3-2-73
RLR 3-4-73
Weber

NS-561(5) S-40



FED. ROAD DIST. NO.	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
UTAH	UTAH			

Notes:

1. Power Co. meter shall be located on power pole 7' above ground.
2. All circuits shall be placed in same trench where possible, but in separate conduit.
3. All signal head assemblies shall be type VI as shown on "Signal Mounting Detail" sheet unless otherwise shown.
4. Detector loops - use 1 conductor No. 14 cable, 6'x16' use 2 turns
5. Multiple street lighting circuit — use single cond. No. 6 cable in 1" galvanized rigid steel conduit
6. Push button circuit — use 3 conductor No. 14 cable in same conduit as detector circuit.
7. Detector circuits — use 2 conductor No. 14 cable in 1" rigid steel conduit. When more than 1 circuit is called for install circuits in same conduit
8. Signal circuit — use 4 conductor No. 14 cable in 2½" galvanized rigid steel conduit. When more than 1 circuit is called for install circuits in same conduit.
9. Interlock circuit — use 7 conductor No. 14 cable in 1½" galvanized rigid steel conduit. Use signal circuit conduit for interlock circuit where noted.
10. Pedestrian circuit — use 7 conductor No. 14 cable in same conduit as signal circuit. When signal conduit is not available use 2" galvanized rigid steel conduit.
11. All pedestrian signal head assemblies shall be type VI as shown on "Pedestrian Signal Assembly Detail" sheet.

Legend:

- (P1) Pole identification
- Mast arm signal pole
- Mast arm signal pole with light pole extension
- Traffic signal control cabinet
- Type III junction box
- Type IV junction box
- 12" - 1 way - 3 section signal head
- Pedestrian Push button
- Conduit run
- Power source
- 12" - 1 way - 3 section signal head w/Left turn arrow & louver
- Pedestrian signal head

Pole Schedule

Ident	Mast arm Length
P1	45'
P2	35'
P3	45'
P4	45'

NO.	BY	DATE	REMARKS

REVISIONS

UTAH STATE DEPARTMENT OF HIGHWAYS
SALT LAKE CITY UTAH
TRAFFIC DESIGN

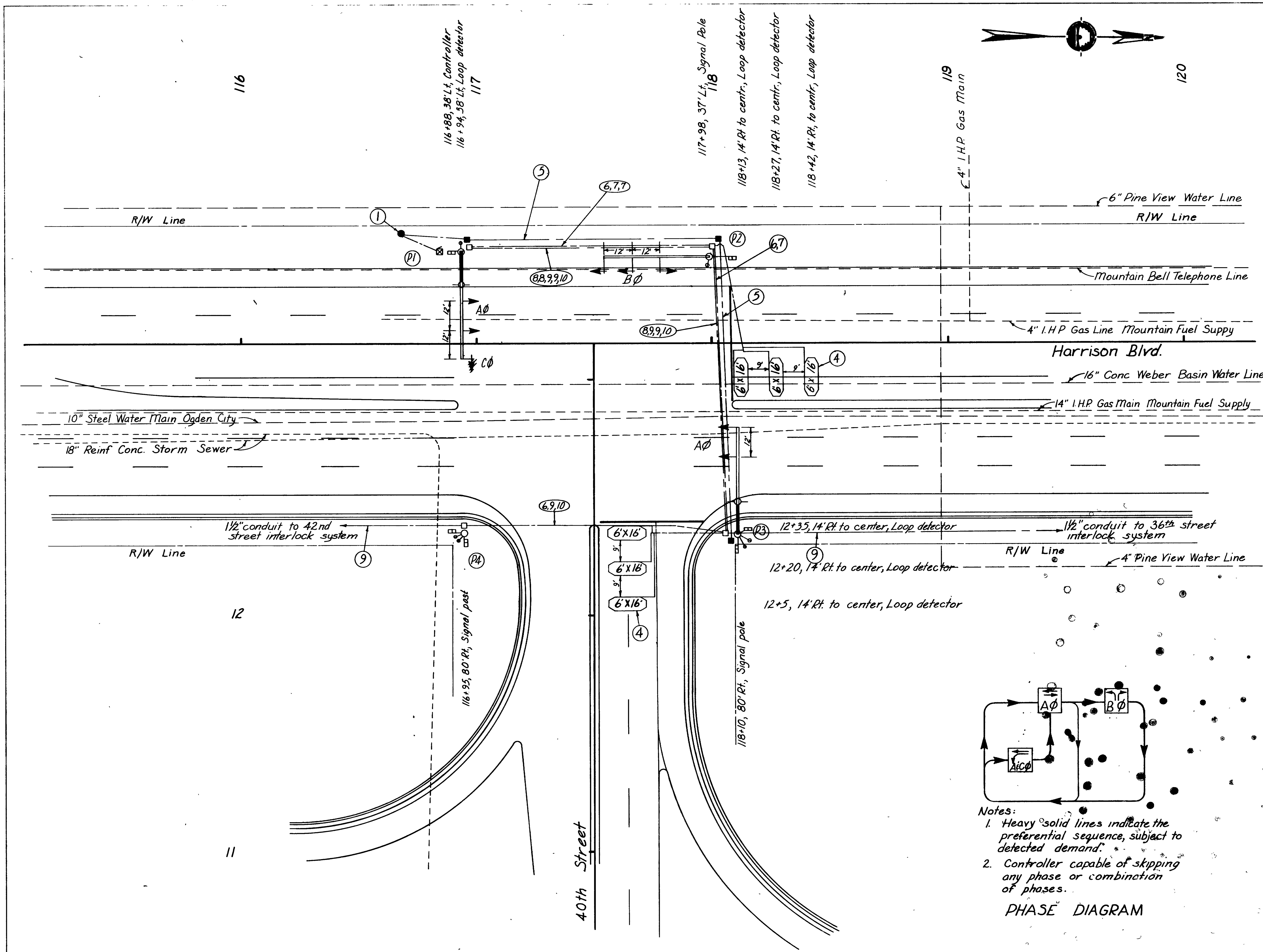
Traffic Signals
Harrison Blvd. — 3850 So.
Situation Plan

DESIGNED K.F. Herzog — CHECK K.F. Herzog
DRAWN M.Z. — CHECK K.F. Herzog
QUANT K.F. Herzog — CHECK K.F. Herzog
APPROVAL RECOMM 10-72 DATE — Keith F. Herzog GROUP LEADER
APPROVED 10 72 DATE — Pete [illegible] TRAFFIC DESIGN ENGINEER

REVIEW
DESIGN RLR 3-14-73
R/W

Weber COUNTY

PROJECT NUMBER NS-561(5) — S-40 DWG. NO. — 2 OF



Notes:

1. Power Co. meter shall be located on power pole 7' above ground.
2. All circuits shall be placed in same trench where possible, but in separate conduit.
3. All signal head assemblies shall be type VI as shown on "Signal Mounting Detail" sheet unless otherwise noted.
4. Detector loops — use 1 conductor No. 14 cable, 6'x16' loops use 2 turns.
5. Multiple street lighting circuit — use single conductor No. 6 cable in 1" galvanized rigid steel conduit.
6. Push button circuit — use 3 conductor No. 14 cable in same conduit as the detector circuit or available conduit.
7. Detector circuits — use 2 conductor No. 14 cable in 1" rigid steel conduit. When more than 1 circuit is called for install circuits in same conduit.
8. Signal circuit — use 4 conductor No. 14 cable in 2½ galvanized rigid steel conduit. When more than 1 circuit is called for install circuits in same conduit.
9. Interlock circuit — use 7 conductor No. 14 cable in 1½" galvanized rigid steel conduit. Use signal circuit conduit for interlock circuit where noted.
10. Pedestrian circuit — use 7 conductor No. 14 cable in same conduit as signal circuit. When signal circuit is not available use 2½" galvanized rigid steel conduit.
11. All pedestrian signal head assemblies shall be type VI as shown on "Pedestrian Signal Assembly Detail" sheet.

Legend:

- (P1) Pole identification
- Mast arm signal pole
- Mast arm with light pole extension
- 12"±1 way-3 section signal head w/left turn arrow & louvers
- Traffic signal control cabinet
- Type III junction box
- Type IV junction box
- 12"—1 way — 3 section signal head
- Pedestrian push button
- Conduit run
- Power source
- Pedestrian signal head

Pole Schedule

Identification	Mast arm Length
P1	45'
P2	45'
P3	45'
P4	—

UTAH STATE DEPARTMENT OF HIGHWAYS
TRAFFIC DESIGN

TRAFFIC SIGNALS
Harrison Blvd. — 40th Street
SITUATION PLAN

K.E. Herzog — PROJ. NO. NS-561(5)
DRAWN W.B.E. — CITY Ogden
K.E. Herzog — COUNTY Weber
10-72 Keith E. Herzog
10-72 Pete Holtan, TRAFFIC ENGINEER

S-40 SHEET 3 OF

UTAH STATE DEPARTMENT OF HIGHWAYS
SALT LAKE CITY UTAH
TRAFFIC DESIGN

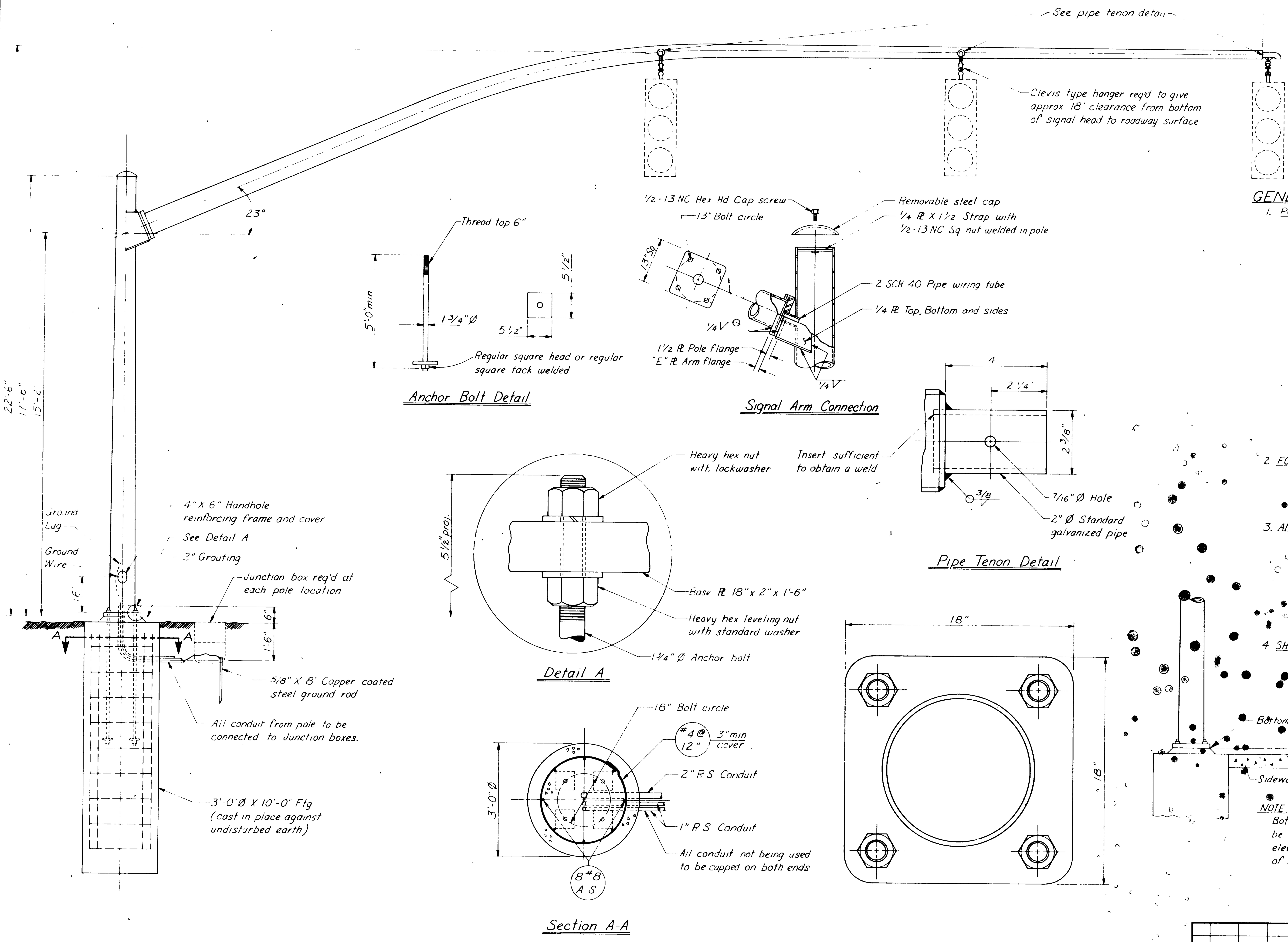
TRAFFIC SIGNALS

Harrison Blvd - 36th to 42nd St - Interlock System

SITUATION PLAN

DESIGNED K F Herzog	CHECK K F Herzog	REVIEW	
DRAWN W. J. F.	CHECK K F Herzog	DESIGN RLR 3-14-73	
QUANT K F Herzog	CHECK K F Herzog	R/W	
APPROVAL RECOMM 10-72 DATE	GROUP LEADER	Weber	
APPROVED 0-72 DATE	TRAFFIC DESIGN ENGINEER	COUNTY	
PROJECT NUMBER T-2001(5), NS-561(5)	S-40 DWG NO.	4 OF	

NO	BY	DATE	REMARKS
REVISIONS			



POLE			SIGNAL ARM				
TOP O D	BOTTOM O D	MIN WALL THICKNESS	B	END O D	BASE O D	MIN WALL THICKNESS	E
9 23/32	12 1/8	250	25'-0"	3 7/8	7 5/16	125	1 1/2 PL
↕		↕	30'-0"	3 7/8	8	188	↕
			35'-0"	3 7/8	8 11/16	250	
			40'-0"	3 7/8	8 3/8	250	
9 23/32	12 1/8	250	45'-0"	3 7/8	10 1/16	250	1 1/2 PL

GENERAL NOTES

1. POLE

The signal pole design contemplates the use of steel conforming to the requirements of A 283 Gr. D ASTM. Other signal pole materials and designs may be acceptable subject to the approval of design and drawings by the Chief Roadway Design Eng prior to the opening of bids.

Poles shall meet the design requirements of AASHO "Specifications For The Design and Construction of Structural Supports For Highway Signs, 1970," for an 80 m p h wind with 104 m p h gusts.

ALLOWABLE STRESSES:
- ASTM A 283 Gr D
- Fy = 33,000 psi
- Fb 22,000 psi
- Fv 11,000 psi
- Increase 145% for group I loading

Grout shall not be placed until all elements are in place and shaft is plumb.

All structural steel shall be hot-dip galv after fabrication in accord with ASTM A123.

2. FOUNDATION

All foundations shall be cast-in place against undisturbed earth.

Welding of reinforcing steel is prohibited.

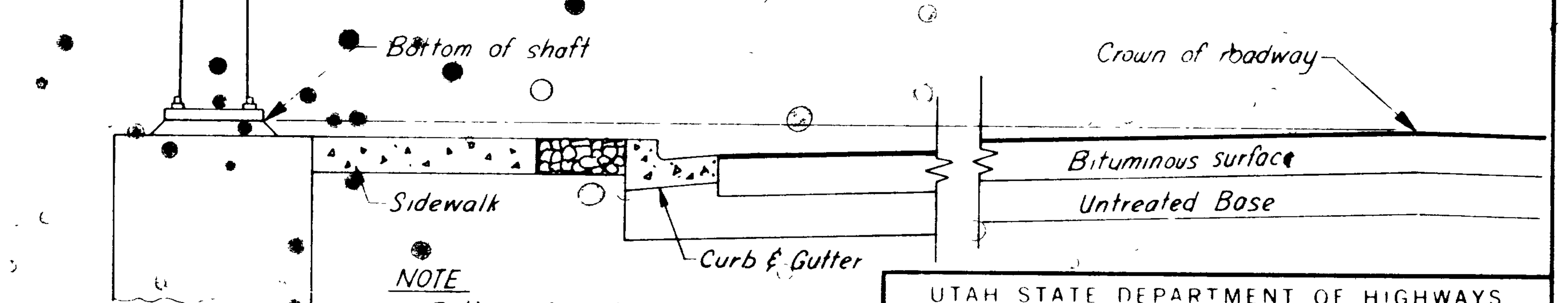
3. ANCHOR BOLTS

Anchor bolts shall be 1 3/4" Ø x 5'-0" min with top 6" threaded and shall conform to the requirements of ASTM A307 with regular square head or regular square nut tack welded and heavy hex nuts. Exposed portions of anchor bolts shall be cadmium plated in accordance with ASTM A-165 Type NS.

Anchor bolts shall not be welded to reinforcing steel.

4. SHOP DRAWINGS

Shop drawings are req'd in accord with sect 510.04 of the State of Utah "Standard Specifications for Road and Bridge Construction," 1970 edition.



NOTE
Bottom of shaft shall be located @ same elevation as crown of roadway

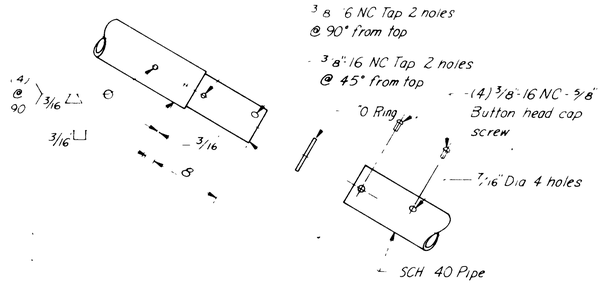
NO	BY		REMARKS
REVISIONS			

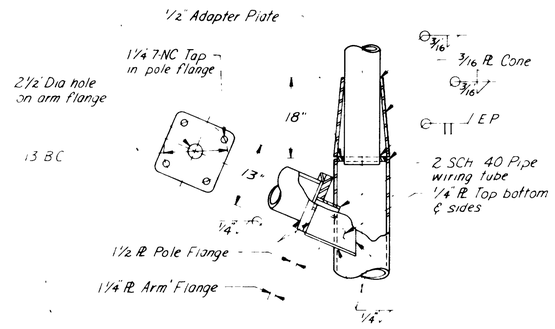
UTAH STATE DEPARTMENT OF HIGHWAYS
SALT LAKE CITY UTAH
TRAFFIC DESIGN

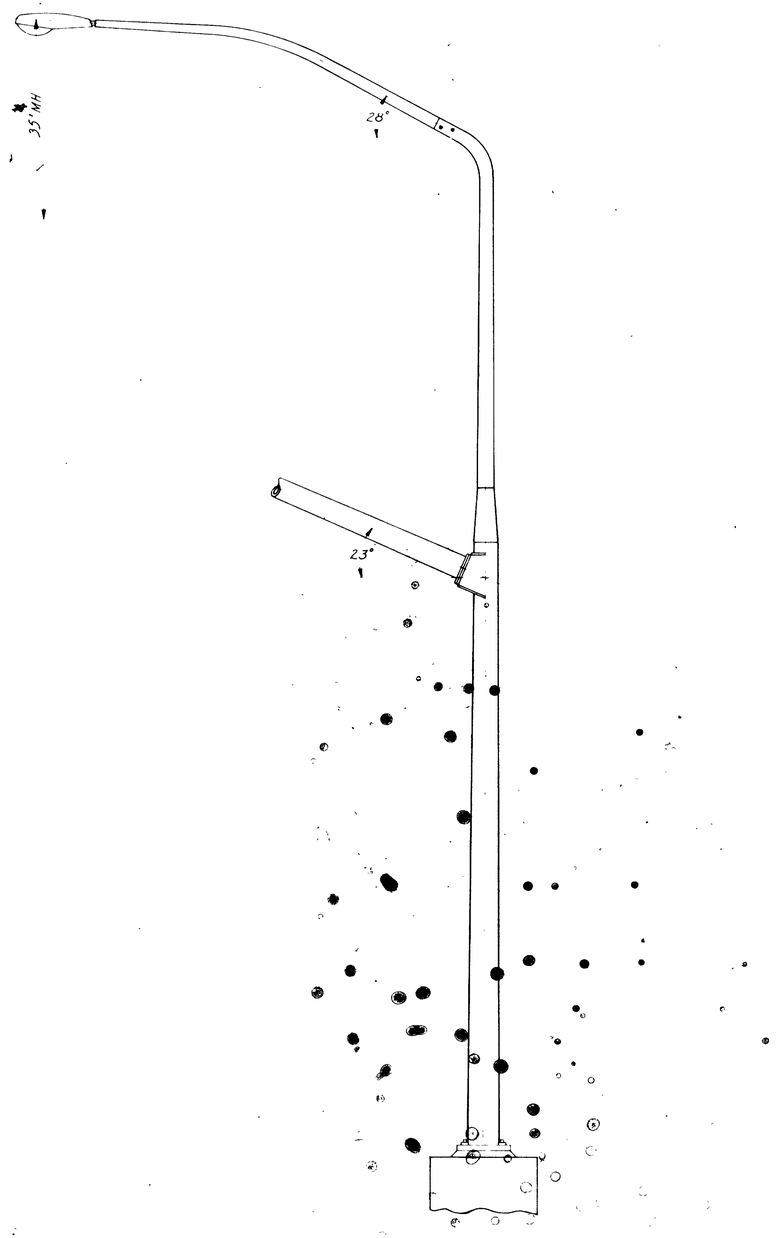
TRAFFIC SIGNALS
Harrison Blvd.—3850 So. & 40th So.
MAST ARM SIGNAL POLE

DESIGNED: J. Herzog — PROJ NO NS-561(5)
DRAWN: J. Herzog — STA Ogden
CHECKED: J. Herzog — COUNTY Weber
APPROVED: 10-72
APPROVED: 10-72 — CHIEF TRAFFIC ENGINEER

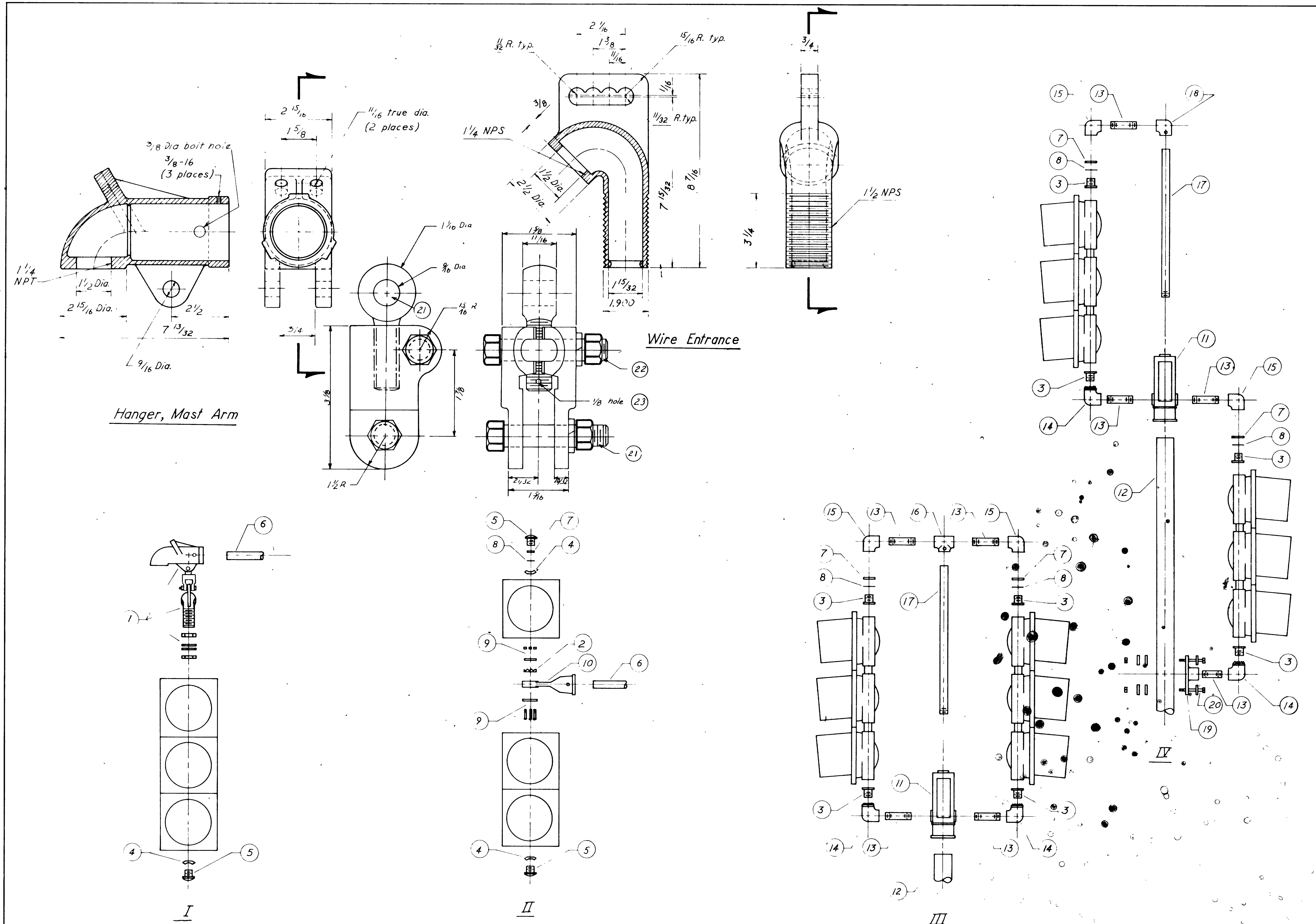
DWG NO S-40 SHEET 5 OF







STATE OF UTAH DEPARTMENT OF HIGHWAYS	
DESIGN	
TRAFFIC SIGNAL	
Harrison Blvd— 3850 So. & 40th So.	
LIGHT POLE EXTENSION DETAIL	
V. Herzog	NS-561(5)
V. Herzog	Odgen
V. Herzog	Weber
10-72	Keith Herzog
10-72	Vete Dalton
S-40	SHEET 6 OF



Legend

1. Mast Arm Hanger (clevis type)
2. Lock ring
3. 1½" x 1¾" Lock nipple
4. Conduit lock nut
5. Ornamental cap
6. Pipe tenon
7. Flat washer
8. Neoprene washer
9. Attaching washers with 3-¼-20UNC x 3½ carriage bolt with nut
10. Bronze elevator plumbizer
11. Pole top mounted terminal compartment
12. Pipe shaft
13. 1½" Pipe, thrd. both ends
14. 90° Elbow with locking device
15. 90° Elbow
16. Tee, drill & tap for set screw
17. 1½" Pipe, thrd. one end only
18. 90° Elbow, drill & tap for set screw
19. Pole plate
20. ½" Steel bolt, flat washer, contour washer, lock washer & nut
21. 2½" Steel bolt with 1" theards, lock washer & nut ½" hole
22. 2½" Steel bolt with ¾" theards, lock washer & nut. ½" hole
23. ⅛" Hole & steel carter key

UTAH STATE DEPARTMENT OF HIGHWAYS
SALT LAKE CITY, UTAH
TRAFFIC DESIGN

TRAFFIC SIGNALS

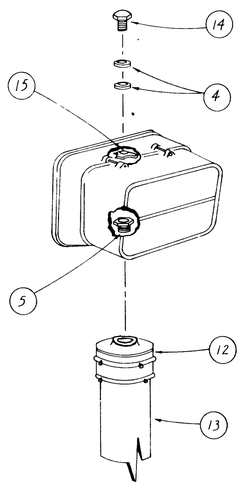
Harrison Blvd— 3850 So. & 40th So.

SIGNAL MOUNTING DETAILS

DESIGNED	K.F. Herzog	PROJ. NO.	NS-561(5)
DRAWN	K.F. Herzog		Ogden
CHECKED	K.F. Herzog	COUNTY	Weber
APPROVAL	10-72		Keith Herzog
APPR.	10-72		Pete [illegible] TRAFFIC ENGINEER
DWG. NO.	S-40	SHEET	7 OF

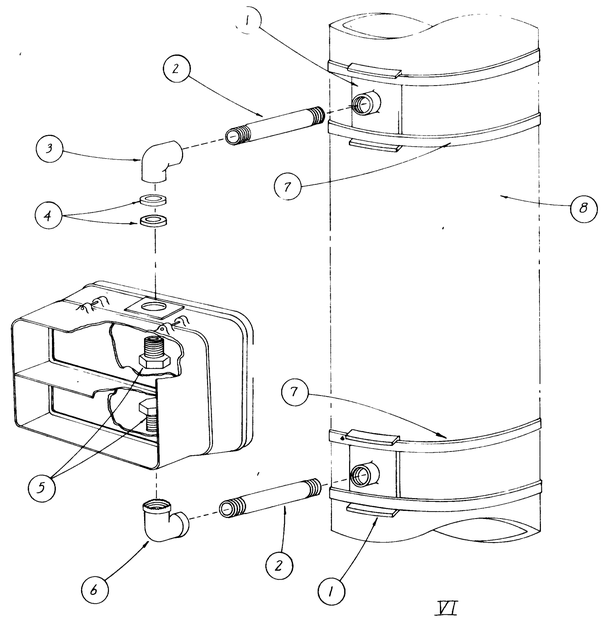
NO.	BY	REMARKS
		REVISIONS

FED. ROAD DIST. NO.	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
UTAH	UTAH			

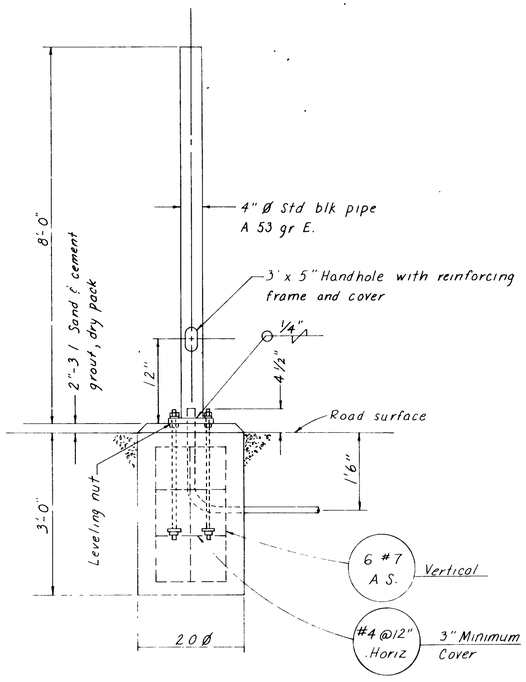


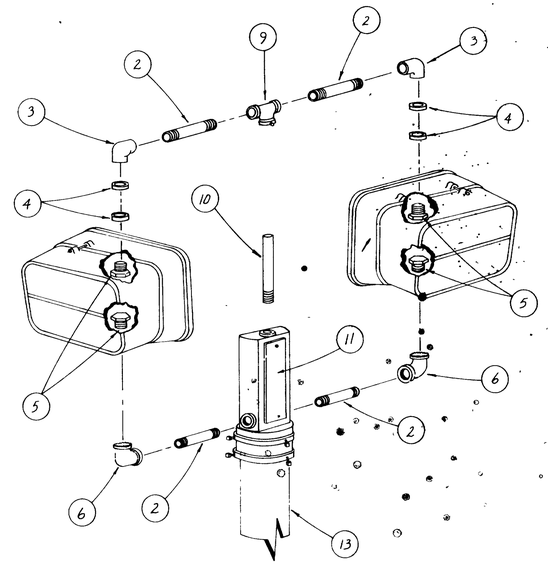
V

Note Pole plates shall be ordered to fit round mast arm signal pole and shall be strapped to pole, not bolted



VI





VII

Legend

1 Round pole plate
2 1½" pipe, thd both ends
3 1½" plain elbow
4 Neoprene washer
5 1½" lock nipple
6 1½" sur lock elbow
7 ¾" stainless steel band
8 Pole shaft (Mast arm)
9 1½" tee w/set screw
10 1½" pipe, thd one end only
11 Pole top mounted terminal compartment
12 4½" inside diameter adaptor
13 Pipe shaft (8'-0)
14 1½" Ornamental cap
15 Lock ring

Notes

1 SHAFT (8'-0)
The shaft shall be fabricated from standard steel pipe ASTM A53 grade B

Base plate shall conform to ASTM A36

The shaft assembly shall be hot-dip galv'd after fabrication in accord. with ASTM A123

2 ANCHOR BOLTS
Anchor bolts shall be 1" Ø x 2'5" minimum with top 6" threaded and shall meet ASTM A307 with regular sq hd or regular sq nut 'oc' welded and heavy hex nuts Exposed portions of anchor bolts shall be cadmium plated in accordance with ASTM A-165 Type NS

Anchor bolts shall not be welded to reinforcing steel.

3 FOUNDATION
Foundation shall be class A concrete (AE) cast in place in augered hole

Pedestrian signal assembly VI shall be mounted a minimum of 7' and maximum of 10' from ground surface

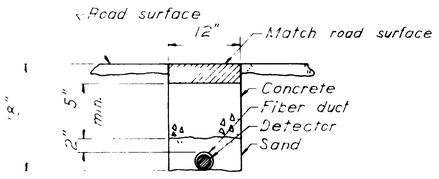
4 COLOR
Color of pedestrian signals shall be of a Lumar White and Portland Orange

NO	BY	DATE	REMARKS
			REVISIONS

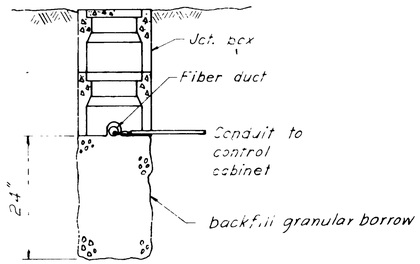
UTAH STATE DEPARTMENT OF HIGHWAYS
SALT LAKE CITY, UTAH
TRAFFIC DESIGN

TRAFFIC SIGNALS
Harrison Blvd — 3850 So & 40th So
PEDESTRIAN SIGNAL ASSEMBLY DETAIL

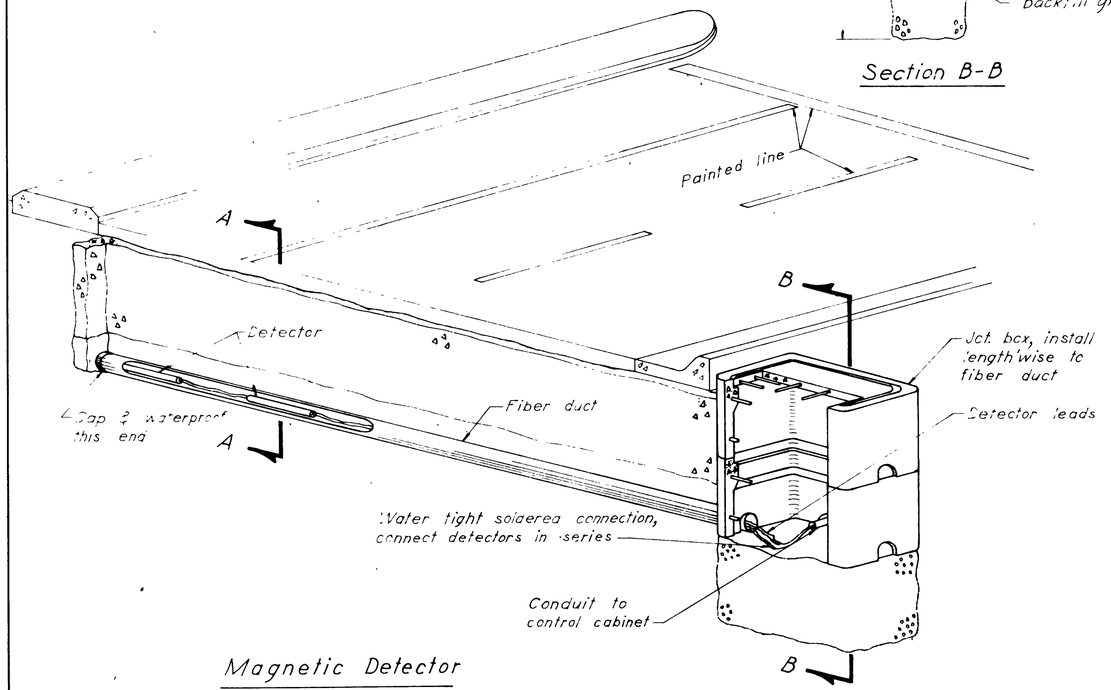
DESIGNED L.F. Herzog	CHECK	REVIEW
DRAWN L.F. Herzog	CHECK	DESIGN S.T. 8-14-35
QUANT. L.F. Herzog	CHECK	R/W
APPROVAL RECOMM. 8-27-35	GROUP CHIEF	
APPROVED 8-27-35	TRAFFIC DESIGN ENGINEER	Weber COUNTY
PROJECT NUMBER NS-561(5)	S-40 DWG. NO	8 OF



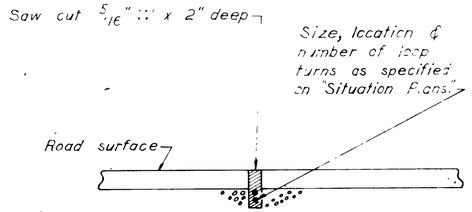
Section A-A



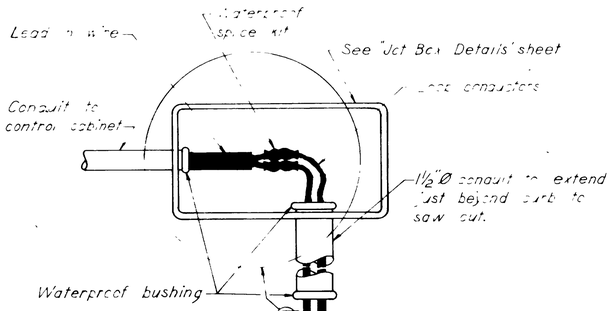
Section B-B

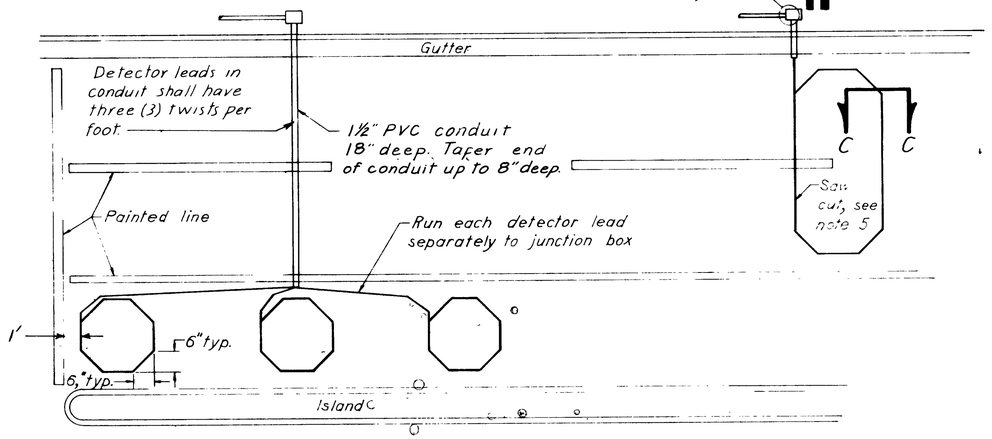


Magnetic Detector



Section C-C





Loop Detector

Notes:

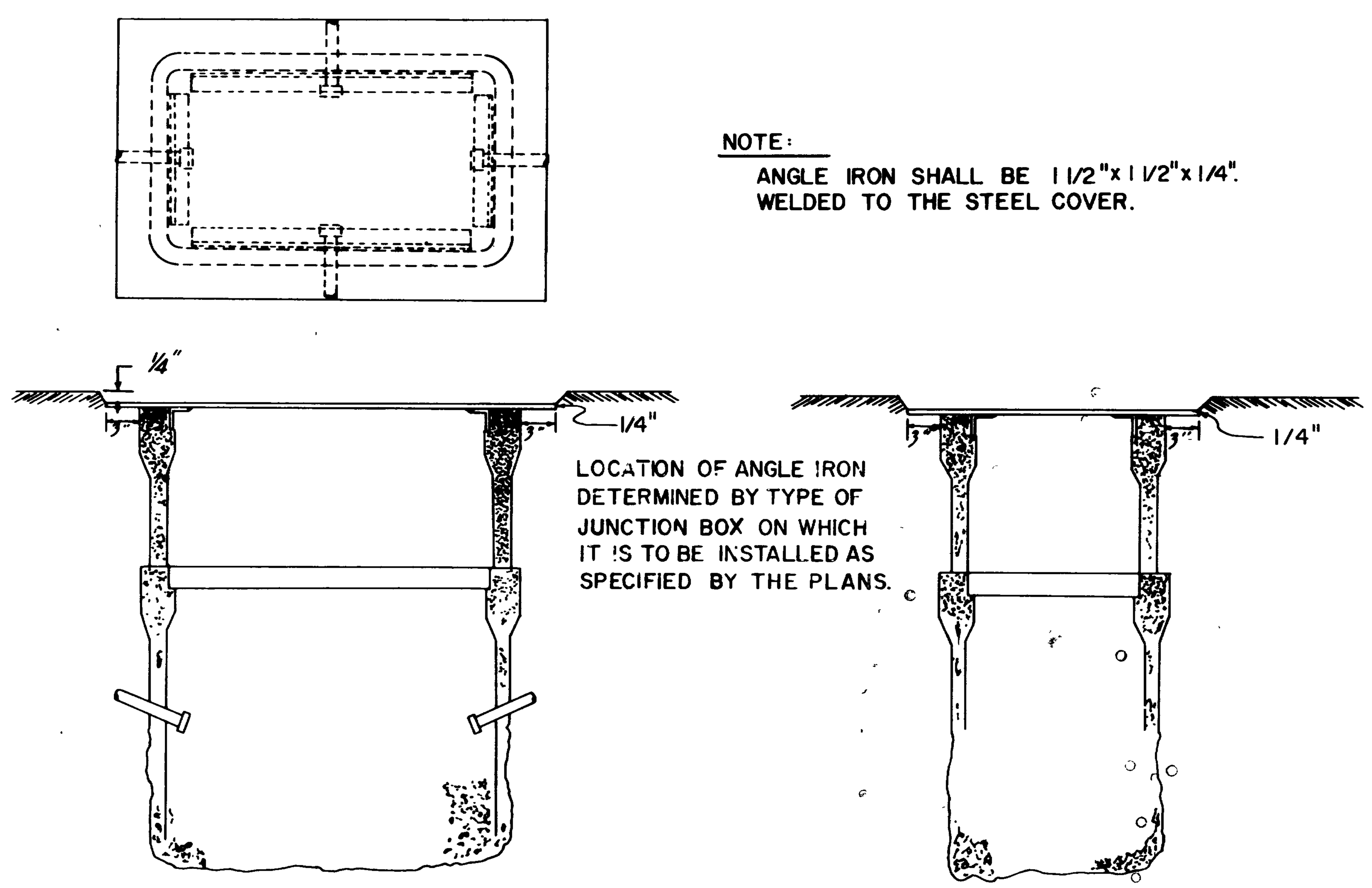
1. Traffic shall not be blocked during peak hours of 7:00 A.M. to 9:00 A.M. & 4:00 P.M. to 6:00 P.M.
2. Material removed to place detector must be replaced by specified material within 8 hours.
3. Contractor must provide traffic erosion protection for new surface until hardened.
4. All lanes must be reopened as soon as practical.
5. Place all conductors & conduit in saw cut. Cable or wire must be placed at bottom of any slot. Epoxy seal not containing acetate solvent shall be used to close saw cut.

NO	BY	REMARKS
		REVISIONS

UTAH STATE DEPARTMENT OF HIGHWAYS
TRAFFIC DESIGN

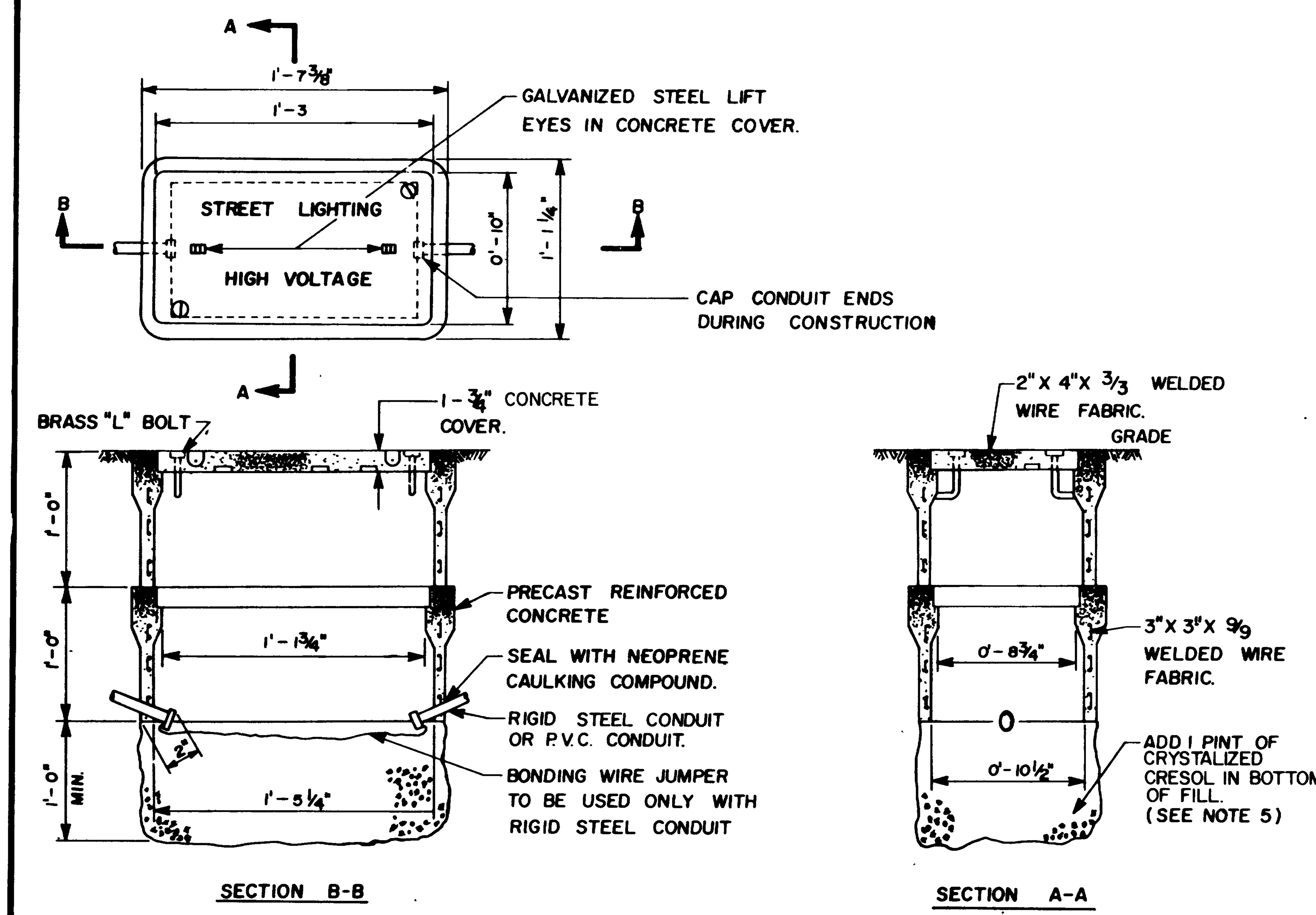
TRAFFIC SIGNALS
Harrison Blvd -- 3850 So & 40th So.
DETECTOR DETAILS

DESIGNED K.E. Herzog	PROJECT NO. NS-561(5)
DRAWN K.E. Herzog	CITY Ogden
CHECKED K.E. Herzog	COUNTY Weber
APPROVED 10-72	Keith E. Herzog
DATE 10-72	Utah State ENGINEER
DWG NO. S-40	SHEET 9 OF

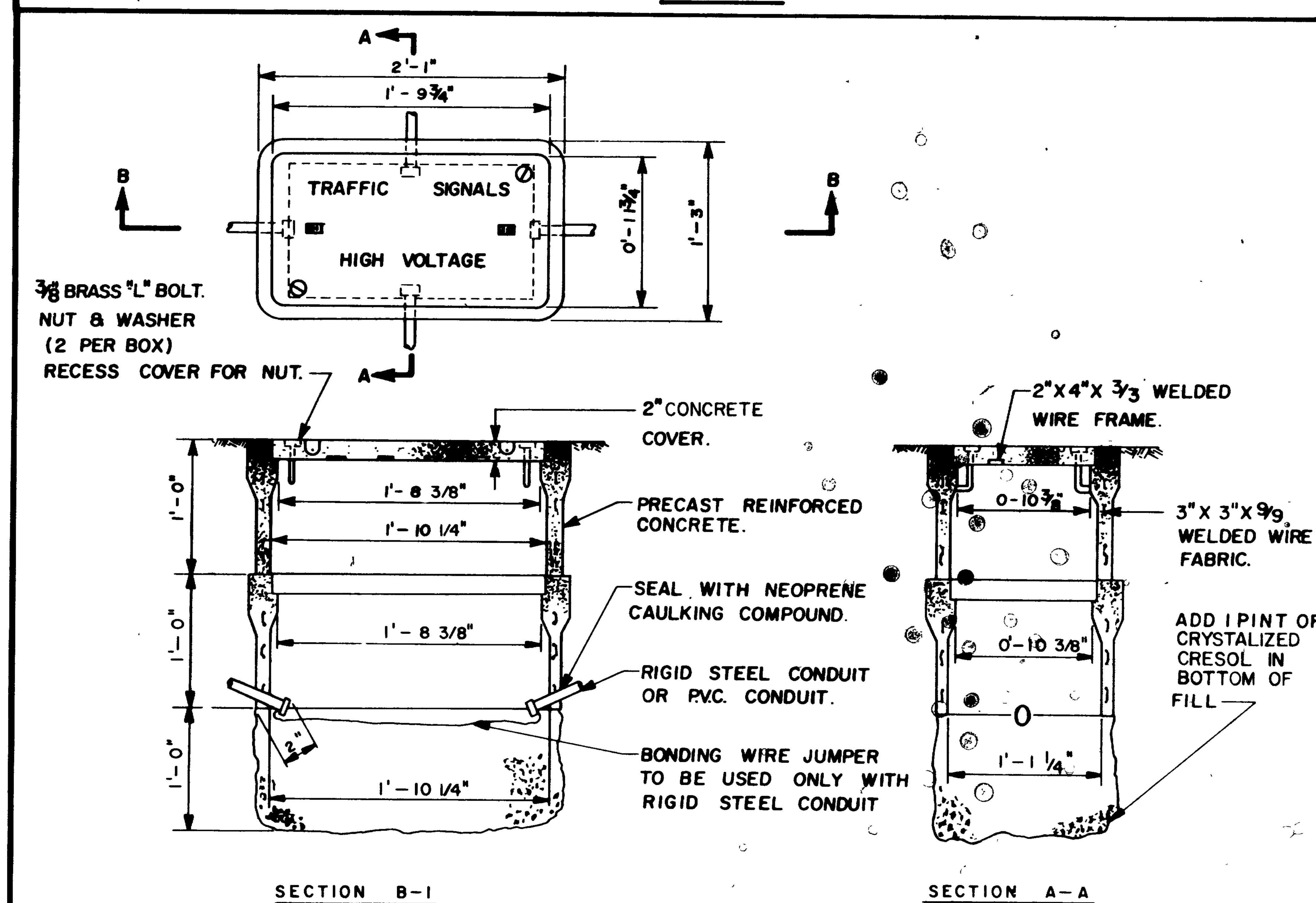


NOTE:
ANGLE IRON SHALL BE 1 1/2"x 1 1/2"x 1/4". WELDED TO THE STEEL COVER.

STEEL COVER DETAIL



TYPE III



TYPE IV

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
UTAH	UTAH				

GENERAL NOTE:

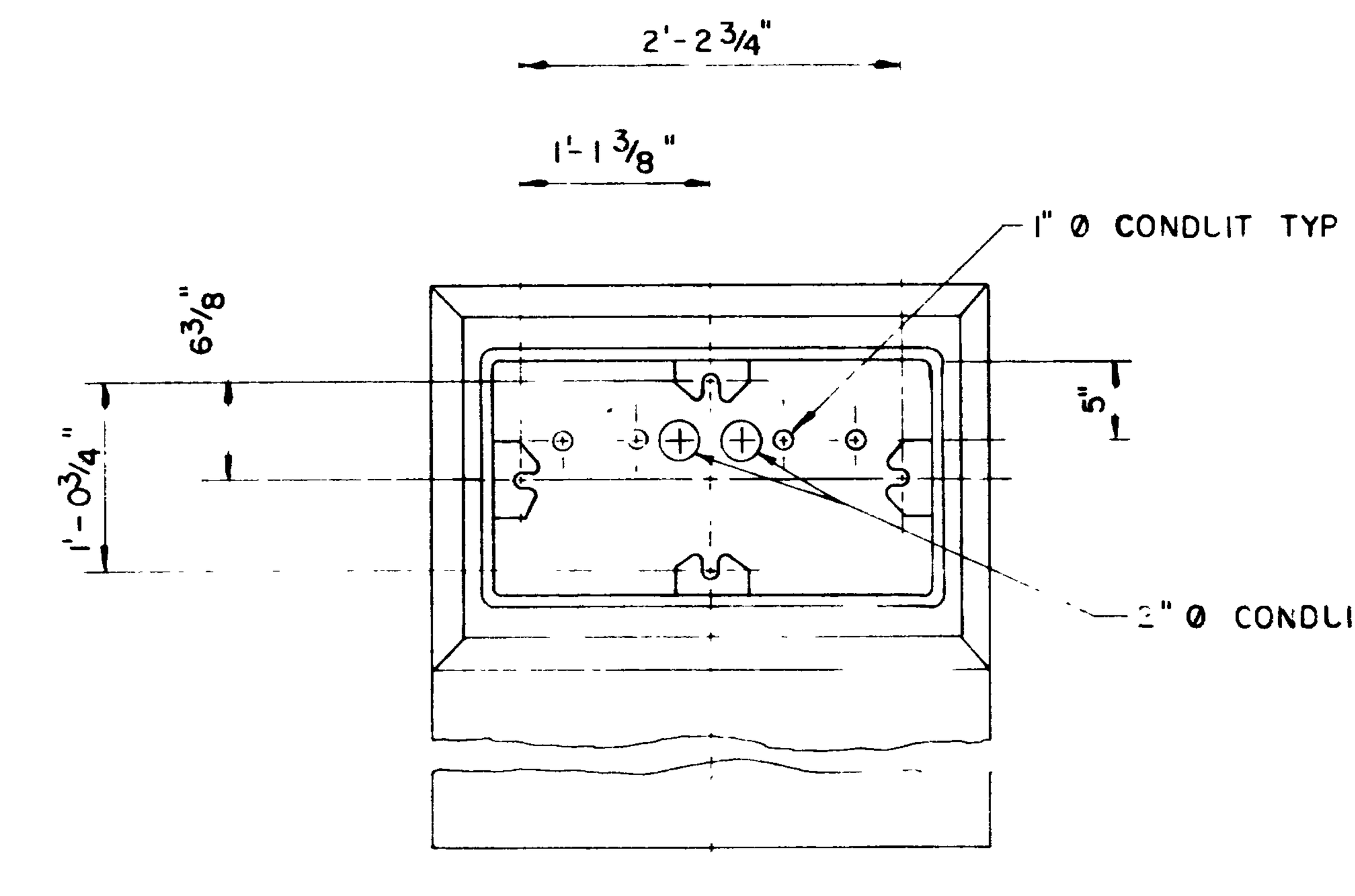
1. USE STEEL COVER AS SHOWN WHEN BOX IS TO BE INSTALLED WHERE SUBJECT TO TRAFFIC LOADS STEEL COVER SHALL HAVE EMBOSSED NON-SKID PATTERN WHEN BOX IS PLACED IN PAVED OR SIDEWALK AREA.
2. CONDUIT HOLES IN JUNCTION BOX SHALL BE CAST AT TIME OF PRECASTING OR DRILLED AT TIME OF PLACEMENT WITH NO STRUCTURAL DAMAGE TO BOX
3. TOP OF JUNCTION BOXES SHALL BE FLUSH WITH SURROUNDING GRADE OR TOP OF TOPOGRAPHY & SHALL BE PLACED FOR PROTECTION AS DIRECTED BY ENGINEER.
4. BONDING JUMPER REQUIRED WITH RIGID STEEL CONDUIT.
5. USE GRANULAR BACKFILL BORROW FOR JUNCTION BASE.
6. PROVIDE SEALING COMPOUND ON HIGH END OF EACH CONDUIT RUN.

NO	BY	DATE	REMARKS

REVISIONS

UTAH STATE DEPARTMENT OF HIGHWAYS
SALT LAKE CITY UTAH
TRAFFIC DESIGN
TRAFFIC SIGNALS
Harrison Blvd— 3850 So. & 40th So.
JUNCTION BOX DETAIL

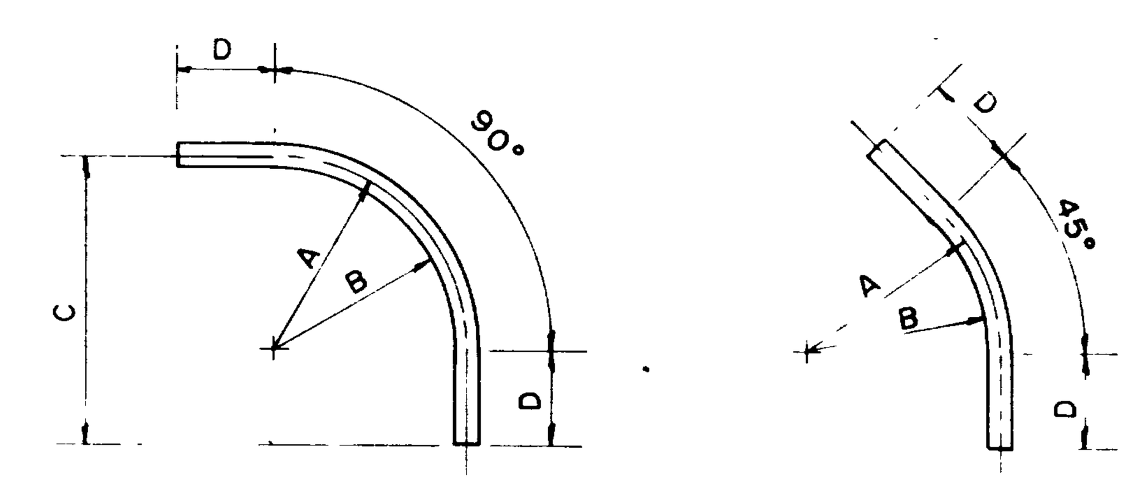
DESIGNED K.F. Herzog	CHECK	REVIEW	
DRAWN K.F. Herzog	CHECK	DESIGN S.T. 3-14-73	
QUANT K.F. Herzog	CHECK	R/W	
APPROVAL RECOMM. 3-2-73	Keith [illegible] GROUP LEADER		
APPROVED 3-2-73	Pete Holtan TRAFFIC DESIGN ENGINEER	Weber COUNTY	
PROJECT NUMBER NS-561(5)	S-40	10	



SECTION A-A

NOM SIZE	A	B	C	D
1/2"	4"	3 9/16"	6 3/4	2 3/4"
3/4"	4 1/2"	4"	7 1/2"	3"
1"	5 3/4"	5 1/16"	8 3/4"	3"
1 1/4"	7 1/4"	6 7/16"	10 1/4"	3"
1 1/2"	8 1/4"	7 5/16"	1'0	3 3/4"
2"	9 1/2"	8 5/16"	1'-2 1/2"	5"
2 1/2"	10 1/2"	9 1/16"	1'-3 1/2"	5"
3"	1'-1"	11 1/4"	1'-7 3/4"	6 3/4"
3 1/2"	1'-3"	1'-1"	1'-10"	7"
4"	1'-4"	1'-1 3/4"	1'-11"	7"

MINIMUM CONDUIT BENDS



M CABINET

NOTES:

1- THE CABINET SHALL BE FABRICATED OF CAST ALUMINUM OR 14 GAUGE STEEL AND SHALL CONTAIN STRONG SUPPORTS FOR HOLDING THE CONTROLLER UNIT

2- THE CABINET SHALL BE EITHER BURNISHED ALUMINUM OR [illegible] IN ACCORD WITH ASTM A-[illegible]

3- THE GROUNDED SIDE OF THE POWER SUPPLY [illegible] BE GROUNDED [illegible] CONTROL CABINET IN AN APPROVED MANNER.

4- THE CABINET SHALL HAVE A PANEL BEHIND THE AUXILIARY DOOR [illegible] THE FOLLOWING SWITCHES:

A. MAIN POWER SWITCH DISPATCHER, [illegible] ALL BE DE-ENERGIZED [illegible]

B. [illegible]

5- THE CABINET SHALL BE EQUIPPED WITH A THERMOSTATICALLY [illegible] VENTILATION [illegible]

6- ALL WIRING SHALL BE NEAT AND FIRM AND THE CABINET [illegible] MOUNT THE FOLLOWING:

A. TERMINAL WITH 30 AMP CIRCUIT BREAKER FOR POWER SUPPLY LINE TERMINAL UNFUSED, FOR NEUTRAL SIDE OF POWER SUPPLY [illegible]

B. TERMINALS FOR CONDUCTORS OF SIGNAL CABLES, ONE FOR [illegible] SIGNAL CIRCUIT AND TWO OR MORE TERMINALS FOR THE COMMON CONDUCTORS

C. TERMINALS FOR DETECTORS AND PEDESTRIAN PUSH BUTTON CABLES

D. RADIO LINE FILTER FOR FILTERING AC LIGHTS POWER [illegible] STATE LIGHT CONTROL

E. FAILSAFE CONTROL

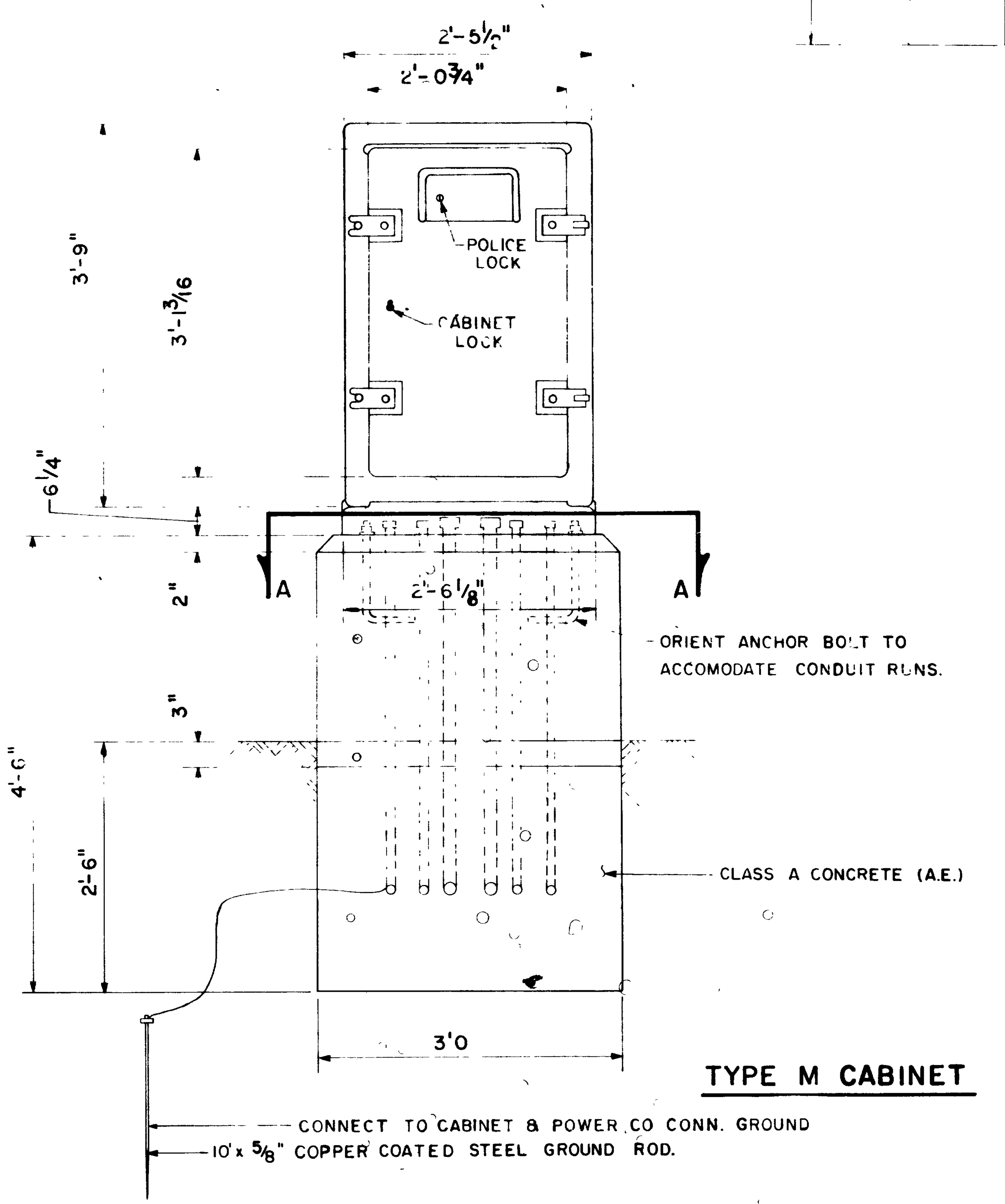
F. THYRECTOR FOR FILTERING LIGHTNING OR HIGH VOLTAGE SURGES [illegible] GROUND FOR PROTECTION OF THE COMPONENTS

G. MOUNTING BASES FOR SIGNAL RELAYS OR SIGNAL [illegible]

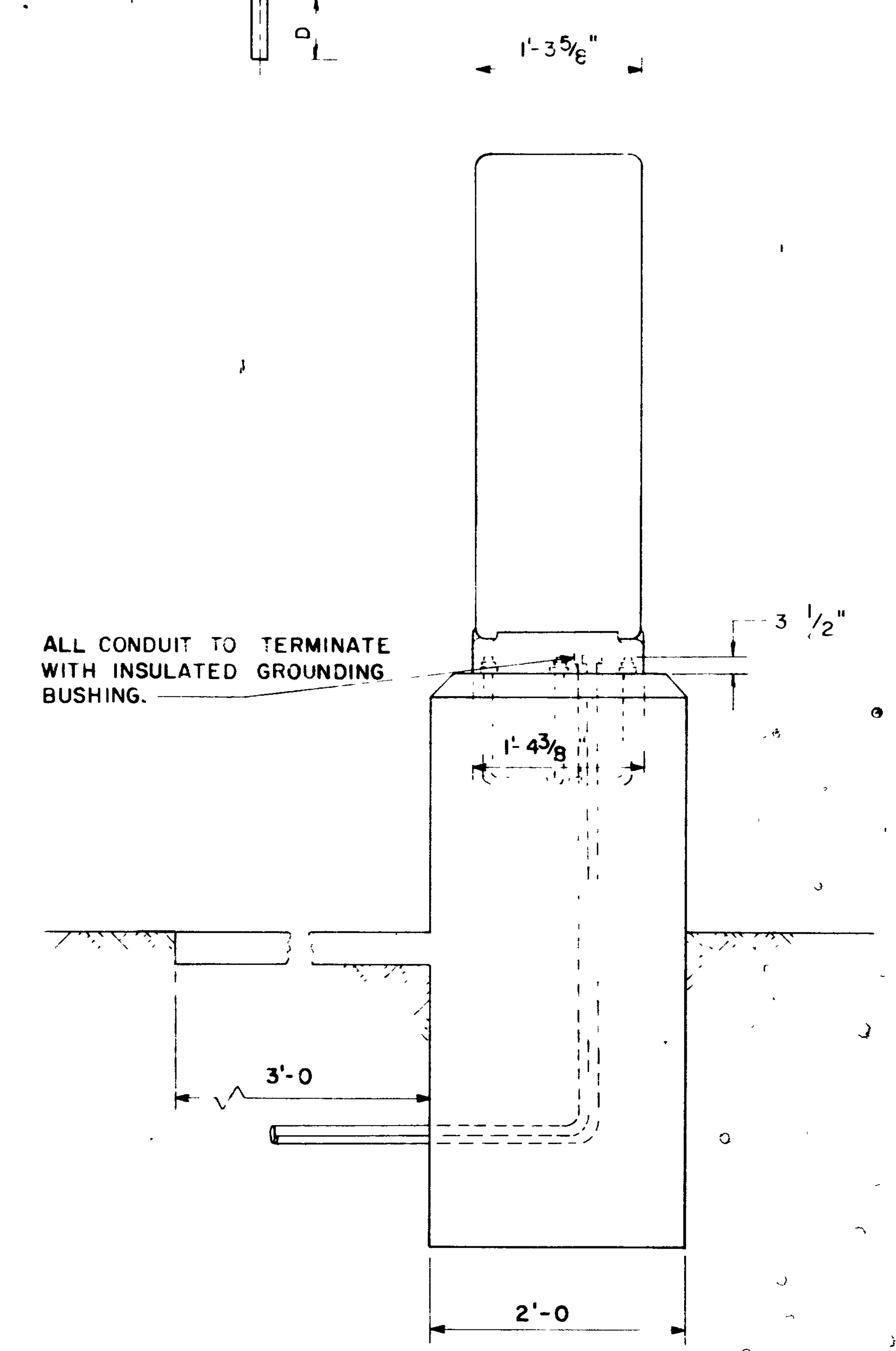
7- THE CONTROLLER EQUIPMENT AND TERMINALS SHALL [illegible] WITHIN THE CABINET THAT THEY WILL NOT UPSET THE [illegible] TRAINING OR CONNECTION OF INCOMING CONDUCTORS

8- ALL FIELD TERMINALS SHALL BE SUITABLY IDENTIFIED.

9- ALL OUTGOING TRAFFIC CONTROL SIGNAL CIRCUITS SHALL BE [illegible] SAME POLARITY AS THE LINE SIDE OF THE POWER SUPPLY [illegible] COMMON RETURN OF THE SAME POLARITY AS THE GROUND SIDE [illegible] THE POWER SUPPLY.



TYPE M CABINET



NO	BY	DATE	REMARKS

REVISIONS

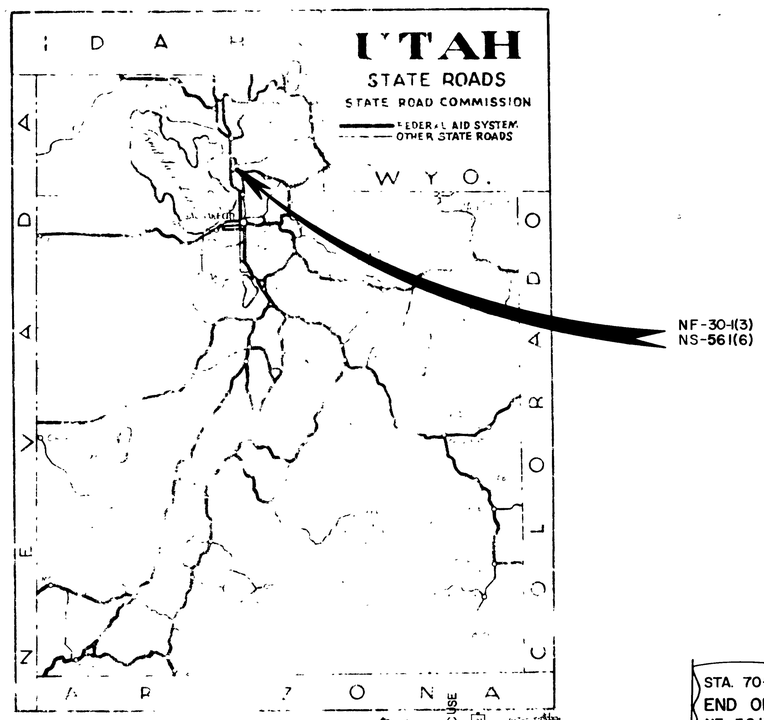
UTAH STATE DEPARTMENT OF HIGHWAYS
SALT LAKE CITY, UTAH
TRAFFIC DESIGN

TRAFFIC SIGNALS
Harrison Blvd - 3850 So. & 40th So.
TYPE "M" CONTROL CABINET

DESIGNED	K.E. Herzog	PROJ. NO.	NS-561(5)
DRAWN	K.E. Herzog		Ogden
CHECKED	K.E. Herzog	COUNTY	Weber
APPROVAL RECOMM.	10-72 (DATE)	[illegible signature]	
APPROVED	10-72 (DATE)	[illegible signature] TRAFFIC ENGINEER	
DWG. NO.	S-40	SHEET	11 OF

STATE		FINAL VIEW	SHEET NO.	TOTAL SHEETS
UTAH	NF-30(3)		1	
UTAH	NS-561(6)		1	

Revised Nov 29, 1972 RDE



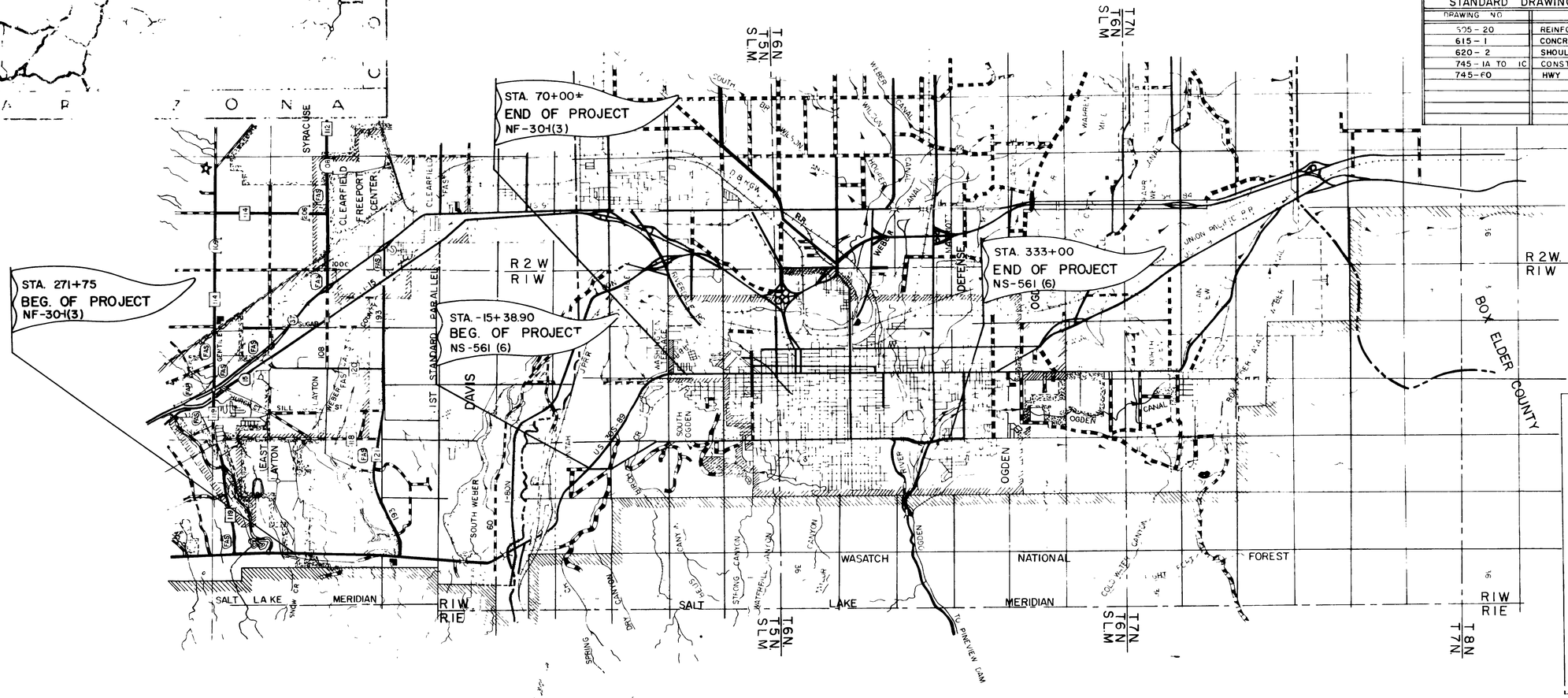
STATE OF UTAH
STATE ROAD COMMISSION

PLANS OF PROPOSED STATE ROAD
"AS CONSTRUCTED"

NF-30-1(3) U.S.-89 ~ CHERRY LANE TO WASHINGTON TERRACE~8.633 MILES
NS-561 (6) HARRISON BLVD ~ JCT. U.S. 89 TO 4200 SOUTH &
20TH STREET TO 9TH STREET ~ 3.530 MILES

WEBER & DAVIS COUNTY

EROSION CONTROL & MISC. FRONTAGE ROADS



INDEX TO SHEETS

ROADWAY DRAWINGS

DRAWING NO.	SHEET NO.	DESCRIPTION	STATION
		NF-30-1(3)	
	1	TITLE SHEET	
	2	EROSION CONTROL TYPICAL SECTION SHEET	
	3-3C	SUMMARY SHEETS	
	4-10	PLAN & PROFILE SHEETS	
		NS-561 (6)	
	2	EROSION CONTROL TYPICAL SECTION SHEET	
	3	SUMMARY SHEET	
	4-5	PLAN SHEET	

STRUCTURE DRAWINGS

V-752		STANDARD CATCH BASINS
V-777		STANDARD CLEANOUT BOX
V-1241		INLET CATCH BASIN
V-1242		INLET CATCH BASIN
V-1501		CUT DITCH INLET
V-1502		CUT DITCH INLET
V-988		STANDARD SOLID COVER & GRATE
V-751		STANDARD CATCH BASIN

STANDARD DRAWINGS

DRAWING NO.	DESCRIPTION
505-20	REINFORCED CONCRETE CULVERTS
615-1	CONCRETE CURB & GUTTER
620-2	SHOULDER & MEDIAN DRAINS
745-1A TO 1C	CONSTRUCTION SIGNING
745-60	HWY SIGNS OTHER THAN FREEWAYS

UTAH STATE DEPARTMENT OF HIGHWAYS

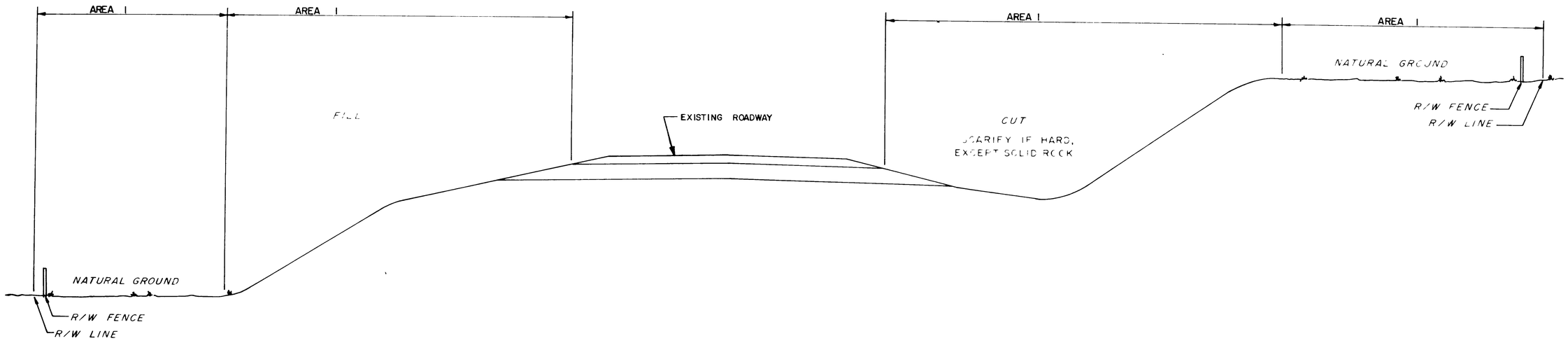
RECOMMENDED FOR APPROVAL Nov. 21, 1972
Alex E. Manson
CHIEF, ROADWAY DESIGN DIVISION

RECOMMENDED FOR APPROVAL November 1972
David L. Sargent
ENGINEER FOR PRECONSTRUCTION

APPROVED November 1972
Blaine Kay
STATE HIGHWAY ENGINEER

TYPICAL SECTION

SHOWING AREAS OF WORK



GRASS SEEDING SCHEDULE

SEED NO	NAME		LBS LIVE SEED PER ACRE	
	BOTANICAL	COMMON	METHOD A	METHOD B
1	AGROPYRON CRISTATUM	FAIRWAY WHEATGRASS	7	14
2	ACROPYRON RIPARIUM	SODAR WHEATGRASS	6	12
3	SPOROBULUS CRYPTANDRUS	SAND DROPSEED	2	4
	TOTAL POUNDS LIVE SEED PER ACRE		15	30

FERTILIZER SCHEDULE

FORM	LBS AVAILABLE CHEMICAL PER ACRE	
	NITROGEN	
SLOW RELEASE PELLET OR GRANULAR	60	

GRASS SEED SUBSTITUTION

SEED NO.	SUBST.	NAME			
		BOTANICAL	COMMON		
1	A	AGROPYRON SIBERICUM	SIBERIAN WHEATGRASS		
	B	AGROPYRON INTERMEDIUM TEGMAR	TEGMAR INTERMEDIATE WHEATGRASS		
2	A	AGROPYRON SMITHII	WESTERN WHEATGRASS		
	B	AGROPYRON TRICOPHORUM TOPAR	TOPAR PUBESCENT WHEATGRASS		
3	A	ORYZOPSIS HYMENOIDES	INDIAN RICE GRASS		
	B	AGROPYRON CRISTATUM	FAIRWAY WHEATGRASS		

WORK REQUIRED IN VARIOUS AREAS

ITEM REQ'D	AREA NO	METHOD OR TYPE REQ'D	TREATMENT	REMARKS
ROADSIDE CLEANUP	I		CLEANUP & REMOVE ALL TRASH, DEBRIS & UNSIGHTLY DEAD PLANT MATERIALS.	SPEC. 214.02 B TO BE DONE UNDER CONTINGENCY ITEM
GRADING	I		FLATTEN & RESHAPE SLOPES IN SOME SMALL AREAS AS DIRECTED BY THE ENGINEER USE EXCAVATED MATERIAL TO FLATTEN FILL SLOPES, FILL LOW SPOTS, OR DISPOSE OF AS DIRECTED	TO BE DONE UNDER CONTINGENCY ITEM
WEED CONTROL	I	VARIOUS	AREAS THAT ARE PREDOMINANTLY RYE OR CHEATGRASS & IF THESE GRASSES HAVE BEGUN NEW FALL GROWTH, THEY SHALL BE CONTROLLED JUST PRIOR TO GRASS SEEDING. SOME AREAS TO BE CONTROLLED MAY BE SMALL SPOTS INTERMIXED WITH DESIREABLE PLANT GROWTH. IN THE SPRING FOLLOWING GRASS SEEDING BROADLEAF WEEDS SHALL BE CONTROLLED, EXCEPT WHERE THE CONTROL WILL DAMAGE WOODY PLANTS.	USE METHOD A OR C FOR CONTROLLING RYE & CHEATGRASS. USE METHOD B FOR CONTROLLING BROADLEAF WEEDS IN THE SPRING. SPEC. 643 TO BE PERFORMED BY OTHERS
GRASS SEEDING	I	A & B	SEED ALL UNPAVED AREA WITHIN THE RIGHT OF WAY THAT DO NOT HAVE A GOOD COVER OF EXISTING VEGETATION. DETERMINE METHOD IN ACCORDANCE WITH SUBSECTION 642.07 OF THE STANDARD SPECIFICATIONS.	SPEC. 642 ADD RICE HULLS TO SEED MIXTURE AT THE RATE OF 1 BUSHEL PER ACRE
MULCHING	I	B	MULCH ALL AREAS SEEDED BY METHOD B & SANDY AREAS SEEDED BY METHOD A AS DIRECTED.	SPEC. 644

NO.	BY	DATE	TYPE	REMARKS

REVISIONS

UTAH STATE DEPARTMENT OF HIGHWAYS
DIST. ONE – OGDEN, UTAH
ROADWAY DESIGN

US-89 CHERRY LANE TO WASHINGTON TERRACE,
U-39 CANYON ROAD & U-203 HARRISON BLVD.
EROSION CONTROL

DESIGN B.H.S. Nov. 72 | CHECK L.M.B. Nov 72 | REVIEW
DRAWN B.P.W. Nov. 72 | CHECK B.P.W. Nov 72 | DESIGN 10-11-72
SUBMIT X.X. X.X. | CHECK X. X. X.X. | R/W
APPROVAL RECOMM. 10 Nov 72 DATE | PROJ. DESIGN ENGINEER | WEBER and DAVIS COUNTY
APPROVED DATE | DIST. PRECONSTRUCTION ENGR.
PROJECT NUMBER NF-30-1(3), & NS-561 (6) | SHEET NO. 2

SUMMARY SHEET

STATION TO STATION	AREA NO.	SIDE LT. RT. OR BOTH	GRASS SEEDING	METHOD B ACRE	MULCHING TYPE B ACRE		TOP SOIL CU.YD.	FERTILIZER 60 LBS. PER ACRE LBS.	CONSTRUCTION SOURCE REFERENCE BOOK	PAGE	REMARKS
272+00± ~ 283+00± ~~270+10 — 276+20~~	⑤	LT. ~~RT.~~		1.561 ~~1.3~~	1.561 ~~1.3~~			93.66 ~~78~~	1	15	
20th ST North ~ Vally Drive ~~276+10 — 279+05~~	⑦ ~~5~~	RT.		1.964 ~~1.9~~	1.964 ~~1.9~~			117.81 ~~114~~	1	17	
267+00± ~~70~~ ~ 280+00± ~~278+80~~	⑥ ~~6~~	RT. ~~LT.~~		1.577 ~~3.0~~	1.577 ~~3.0~~			94.62 ~~180~~	1	16	
10+00± to 14+50± ~~327+20 — 331+85~~	① ~~21~~	RT. ~~LT.~~		0.268 ~~0.3~~	0.268 ~~0.3~~			16.08 ~~18~~	1	10	
15+00± ~ 26+50± ~~7+20 — 21+30~~	① ~~4~~	RT. ~~RT~~		1.032 ~~1.2~~	1.032 ~~1.2~~			61.92 ~~72~~	1	11	
15+00± ~ 29+00± ~~15+25 — 31+15~~	② ~~5~~	LT.		0.583 ~~2.1~~	0.583 ~~2.1~~			34.98 ~~126~~	1	12	
37+00± to 42+00±	③	RT.		0.453	0.453			27.18	1	13	
43+00± ~ 45+00±	④	RT.		0.272	0.272			16.32	1	14	
TOTAL				7.710 ~~9.6~~	7.710 ~~9.6~~						
USE				7.710 ~~10~~	7.710 ~~10~~						

MISCELLANEOUS

ITEM	UNIT	QUANTITY
MOBILIZATION	LUMP	100% •
FLAGGING	HOUR	~~50~~ 0
ADVANCE WARNING DEVICES TYPE "A" STATIONARY	HOUR	~~50~~ 0
CONTINGENT SUM PAY ITEM	LUMP	•
CONSTRUCTION SIGNS (8 POSTS)	LUMP	100% •
~~TOP SOIL—CONTRACTOR FURNISHED~~	~~CU.YD.~~	~~80~~
~~2" STOP & WASTE VALVE WITH BOX~~	~~EACH~~	~~1~~
~~2" CONTROL VALVE~~	~~EACH~~	~~4~~
~~2" GALVANIZED STEEL PIPE—SUPPLY~~	~~LIN.FT.~~	~~25~~
~~2" GALVANIZED STEEL PIPE—IRRIGATION~~	~~LIN.FT.~~	~~390~~
~~1 1/2" GALVANIZED STEEL PIPE—IRRIGATION~~	~~LIN.FT.~~	~~240~~
~~1 1/4" GALVANIZED STEEL PIPE—IRRIGATION~~	~~LIN.FT.~~	~~800~~
~~WATER OUTLET— STATIONARY, FULL CIRCLE~~	~~EACH~~	~~15~~
~~WATER OUTLET— STATIONARY, HALF CIRCLE~~	~~EACH~~	~~44~~
~~TURF SODDING—KENTUCKY BLUEGRASS~~	~~M.SQ.FT.~~	~~12~~

These Items are Deleted at The Request of Bert Taylor D.E.

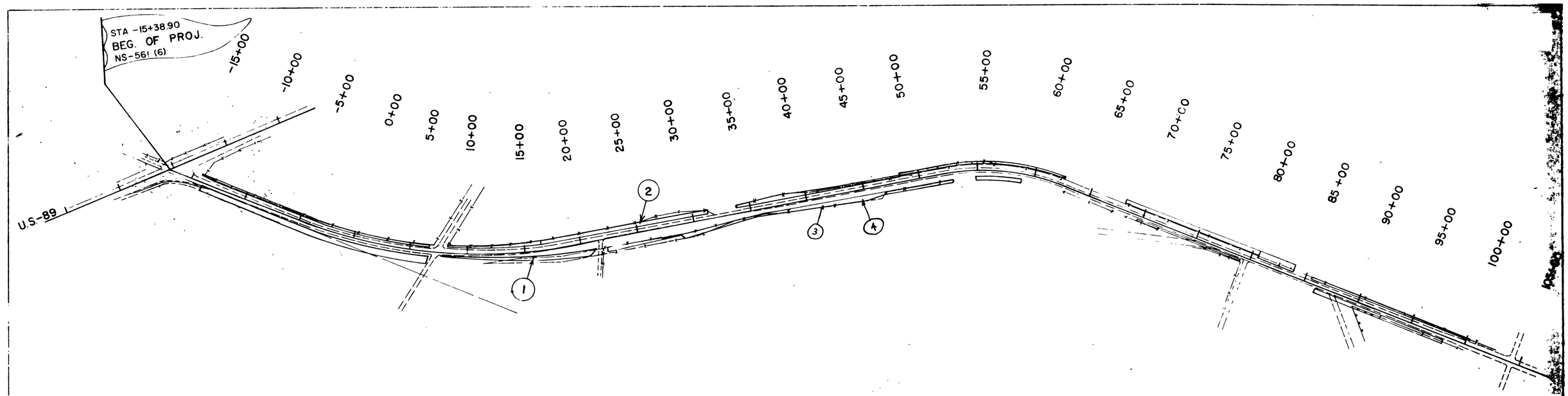
SUMMARY OF ITEMS

NAME	UNIT	QUANTITY
MOBILIZATION	LUMP	100% •
FLAGGING	HOUR	~~50~~ 0
CONSTRUCTION SIGNS (8 POSTS)	LUMP	100% •
GRASS SEEDING METHOD "B"	ACRE	7.710 ~~10~~
MULCHING TYPE "B"	ACRE	7.710 ~~10~~
ADVANCE WARNING DEVICE TYPE "A" STATIONARY	HOUR	~~50~~ 0
CONTINGENT SUM PAY ITEM	LUMP	•
~~TOP SOIL—CONTRACTOR FURNISHED~~	~~CU.YD.~~	~~80~~
~~2" STOP & WASTE VALVE WITH BOX~~	~~EACH~~	~~1~~
~~2" CONTROL VALVE~~	~~EACH~~	~~4~~
~~2" GALVANIZED STEEL PIPE—SUPPLY~~	~~LIN.FT.~~	~~25~~
~~2" GALVANIZED STEEL PIPE—IRRIGATION~~	~~LIN.FT.~~	~~390~~
~~1 1/2" GALVANIZED STEEL PIPE—IRRIGATION~~	~~LIN.FT.~~	~~240~~
~~1 1/4" GALVANIZED STEEL PIPE—IRRIGATION~~	~~LIN.FT.~~	~~800~~
~~WATER OUTLET— STATIONARY, FULL CIRCLE~~	~~EACH~~	~~15~~
~~WATER OUTLET— STATIONARY, HALF CIRCLE~~	~~EACH~~	~~44~~
~~TURF SODDING—KENTUCKY BLUEGRASS~~	~~M.SQ.FT.~~	~~12~~
SA. NO. 1 Force Account Basis Cleaning Slopes of weeds & Debri	$2,676.39	100%

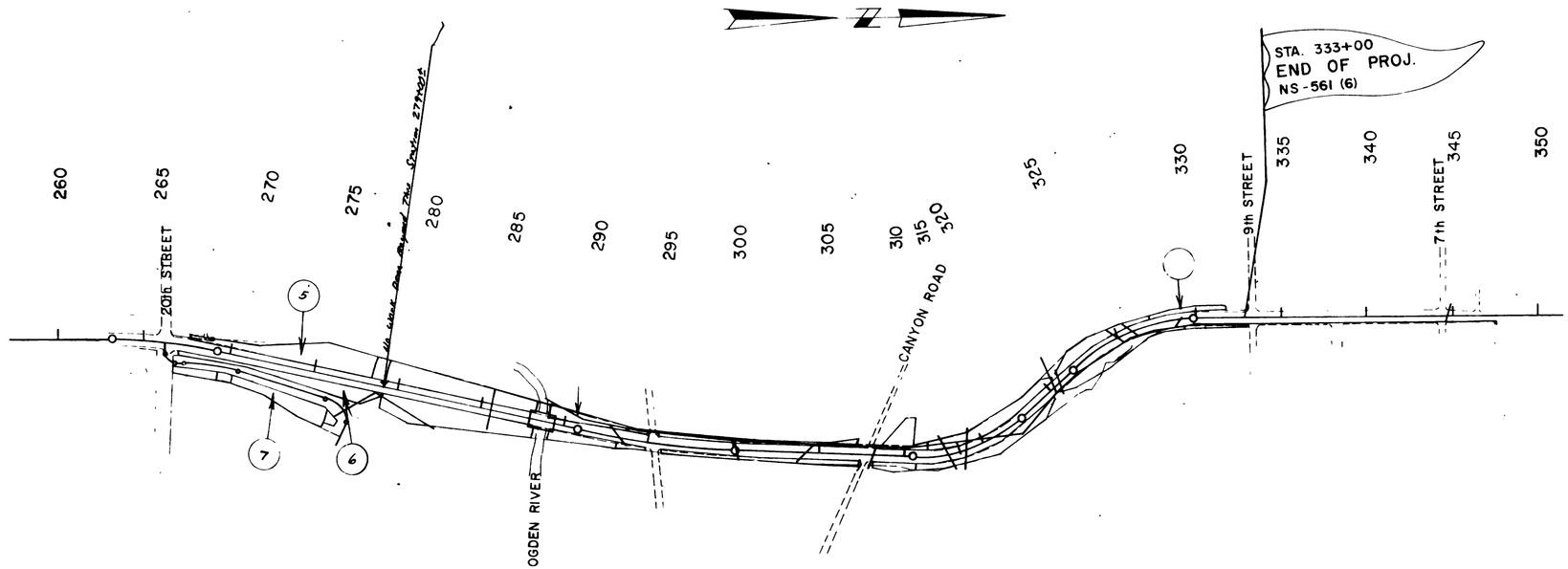
I HEREBY CERTIFY THAT THE ABOVE QUANTITIES OF WORK DONE ARE CORRECT.

[signature]
PROJECT ENGINEER
DATED: 24 APRIL 74

UTAH STATE DEPARTMENT OF HIGHWAYS, DISTONE-OGDEN UTAH, ROADWAY DESIGN	
U-203 HARRISON BLVD. 20th TO 9th STR. & JCT. US-89 TO 42nd STR. SUMMARY SHEET	
DESIGN B H S. Nov,72	CHECK W.W.M Nov,72
DRAWN B P W Nov,72	CHECK B H.S Nov,72
QUANT. W.W.M. Nov,72	CHECK B H S. Nov,72
REVIEW DESIGN [initials] 11-10-72	R/W
APPROVAL RECOMM. 10 NOV 72 [signature] DATE DESIGN ENGINEER	
APPROVED DATE PLANS & ESTIMATES ENGINEER	WEBER COUNTY
PROJ. NO. NS-561 (6)	SHEET 3 OF



HARRISON BLVD.
JCT. U.S. 89 TO 4200 SOUTH



HARRISON BLVD.
20th STREET TO 9th STREET

NO.	BY	DATE	TYPE	REMARKS

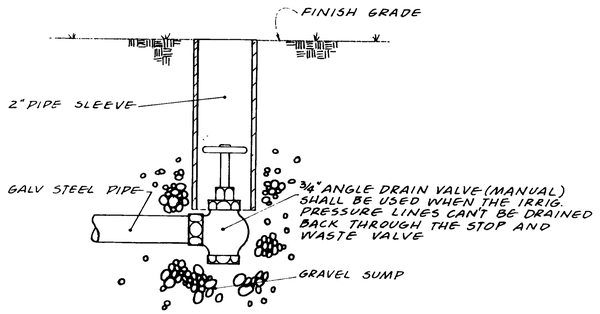
REVISIONS

UTAH STATE DEPARTMENT OF HIGHWAYS
DIST. ONE-OGDEN, UTAH
ROADWAY DESIGN

U-203 HARRISON BLVD.
EROSION CONTROL
PLAN SHEET

DESIGNED	B.H.S. Nov 78	REVISED
DRAWN	B.P.W. Nov. 78	B.H.S. Nov 78
CHECKED	W.W.M. Nov. 78	B.H.S. Nov 78
APPROVED	Nov 78	
APPROVED	DATE	

PROJ. NO. NS-561(6)



DRAIN VALVE

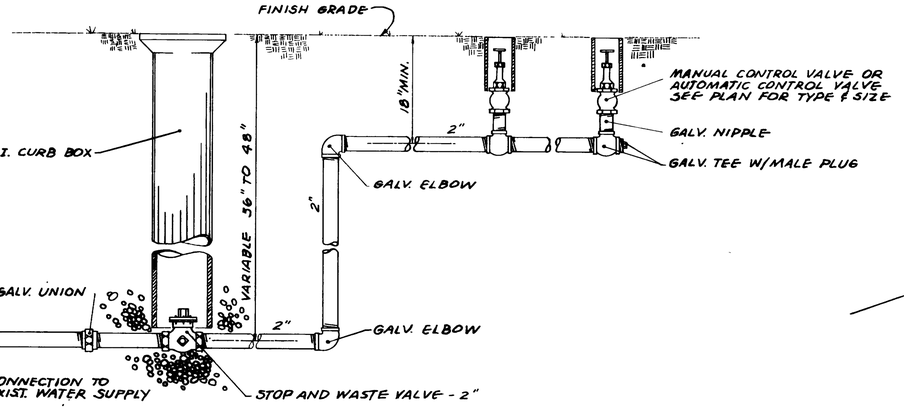
NOTE:

1. THE CONTRACTOR SHALL PAY ALL CONNECTION FEES & SHALL FURNISH ALL MATERIALS & WORK NECESSARY TO COMPLETE THE WATER SUPPLY LINE CONNECTION.
2. ALL PIPES SHALL BE GALVANIZED STEEL.
3. ALL SPRINKLER HEADS SHALL BE BUCKNER POP-UP NO. 404 FULL CIRCLE, HALF CIRCLE & QUARTER CIRCLE, OR THOMPSON POP-UP NO. 350 HEAVY DUTY STANDARD . ALL HEADS SHALL HAVE 3/4" FEMALE IPS.

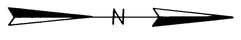
TURF SOD SHALL BE KENTUCKY BLUEGRASS.

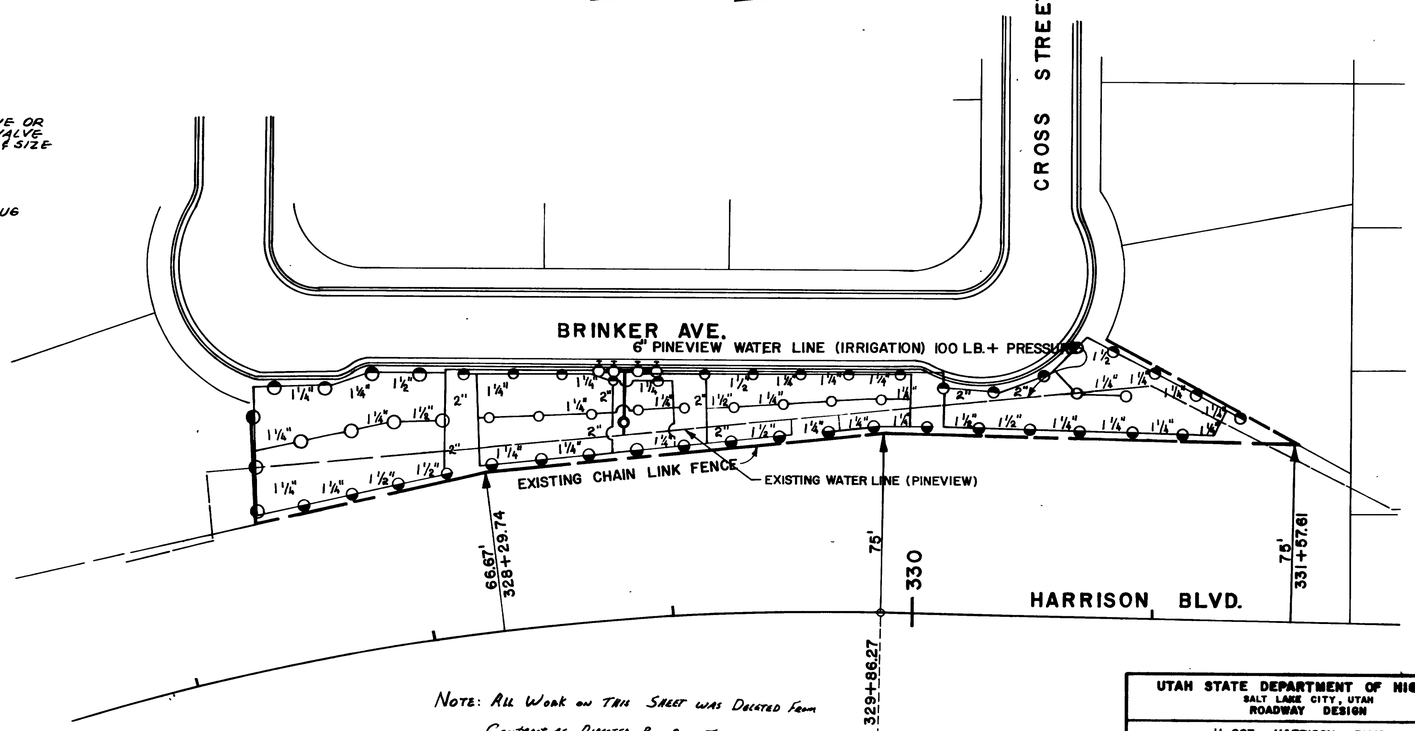
LEGEND:

- SUPPLY LINE-PRESSURE
- IRRIGATION LINE-PRESSURE
- IRRIGATION LINE
- STOP & WASTE VALVE W/CURB BOX
- EXISTING WATER SUPPLY LINE
- SPRINKLER, HALF CIRCLE
- SPRINKLER, QUARTER CIRCLE
- SPRINKLER, FULL CIRCLE
- CONTROL VALVE



WATER SUPPLY LINE CONNECTION





NOTE: ALL WORK ON THIS SHEET WAS DELETED FROM CONTRACT AS DIRECTED BY BERT TAYLOR - DISTRICT ENGINEER

NO.	BY	DATE	TYPE	REMARKS
				REVISIONS

UTAH STATE DEPARTMENT OF HIGHWAYS
SALT LAKE CITY, UTAH
ROADWAY DESIGN

U-203 HARRISON BLVD.

PLAN SHEET

DESIGN B.H.S. 10-72	CHECK N.W.H. 10-72	REVIEW
DRAWN M.D.H. 10-72	CHECK B.H.S. 10-72	DESIGN 11-10-72
QUANT. N.W.H. 10-72	CHECK B.H.S. 10-72	DATE
APPROVAL RECOMM. 10/24/72 DATE	PROJ. DESIGN ENGINEER	
APPROVED DATE	PLANS & ESTIMATES ENGINEER	WEBER COUNTY
PROJECT NUMBER NS-561(6)		SHEET NO. 5

FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
	UTAH	NS-561 (7)		

DATE	RIGHT OF WAY INSTRUMENTS
3-13-72	ORIGINAL SUBMISSION FOR R/W AUTH

REVISIONS

	R/W DES REV BY	MAPS CORR BY	PARCELS AFFECTED	REQUEST BY	REMARKS

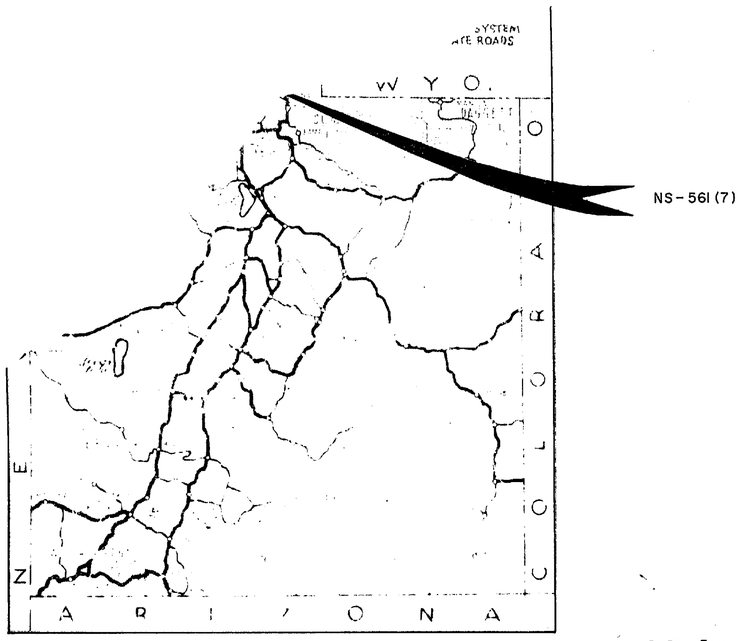
UTAH STATE DEPARTMENT OF HIGHWAYS
SALT LAKE CITY, UTAH
ROADWAY DESIGN

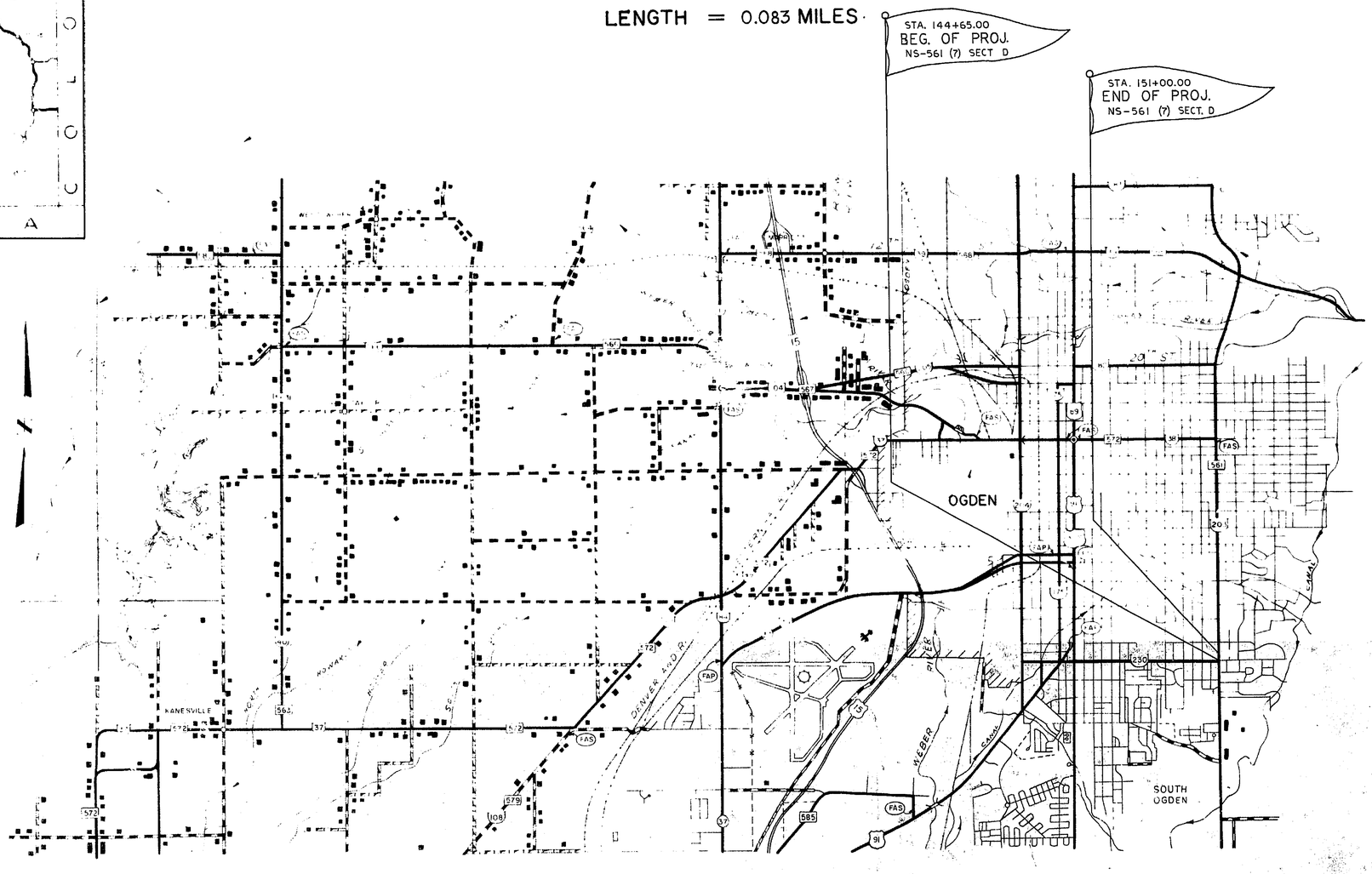
DESIGN M.G.H. 3-10-72	CHECK MKL 3-10-72	REVIEW
DRAWN M.G.H. 3-10-72	CHECK M.K.L. 3-10-72	DESIGN
QUANT.	CHECK	R/W [illegible] 3-72
APPROVAL RECOMM 3-10-72 DATE	PROJ. DESIGN ENGINEER	
APPROVED 13/MAR/72 DATE	PLANS & ESTIMATES ENGINEER	WEBER COUNTY
PROJ. NO. NS-561(7)		SHEET OF

STATE OF UTAH
STATE ROAD COMMISSION

PLANS OF PROPOSED STATE ROAD
NS 561 (7)
HARRISON BOULEVARD
36th. ST. — 35th. ST.
WEBER COUNTY
RIGHT OF WAY

LENGTH = 0.083 MILES





UTAH STATE DEPARTMENT OF HIGHWAYS

RECOMMENDED FOR APPROVAL _____

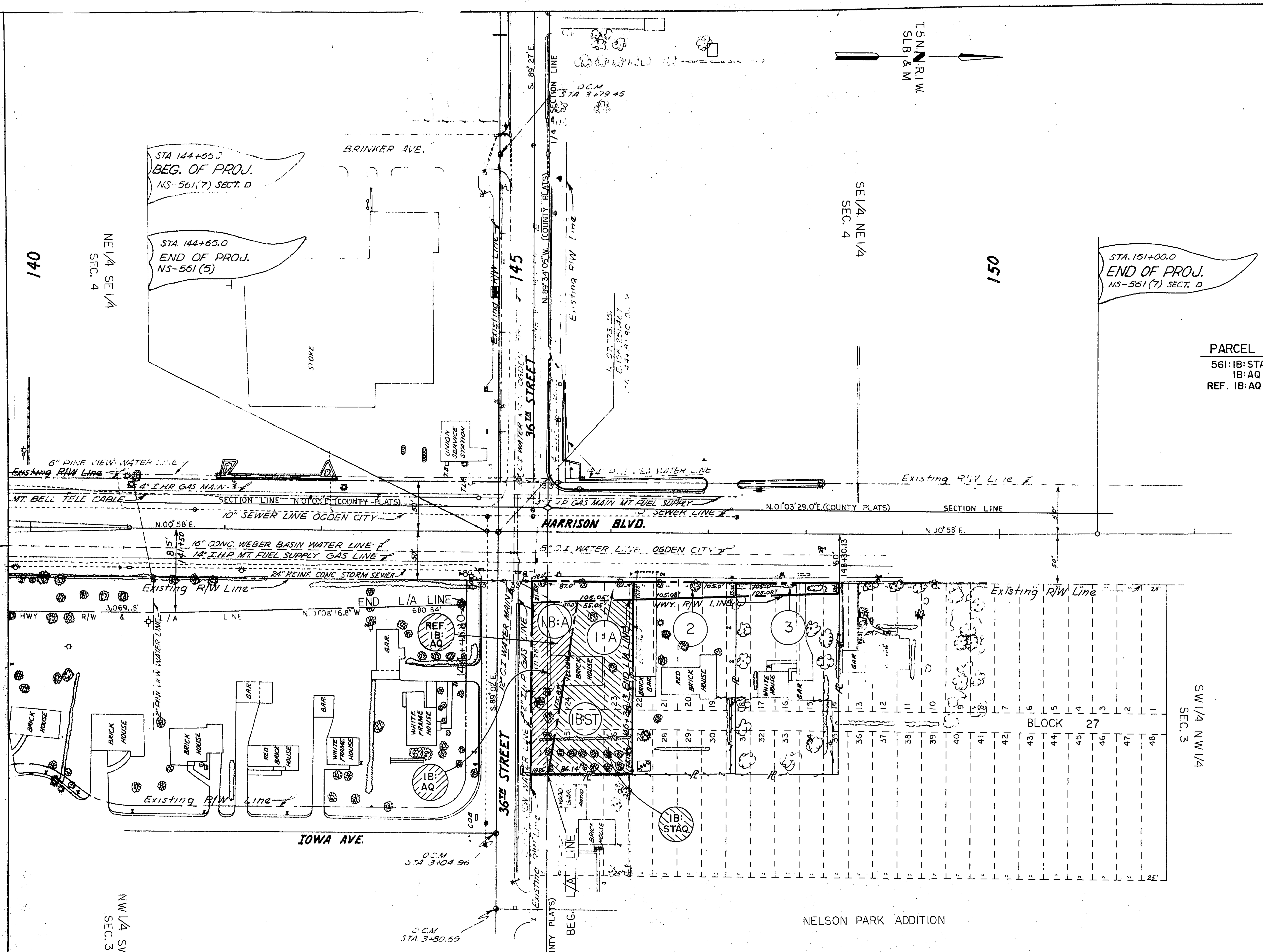
CHIEF ROADWAY DESIGN DIVISION

CHIEF RIGHT OF WAY DESIGN ENGINEER

Project #: NS-561(7)
County: 057
Route: 203
Beg. Ref. Post:
End Ref. Post:
Sheet #: 1
Sheet Type: 01

STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
UTAH	NS-561(7)	3	

DATE	RIGHT OF WAY INSTRUMENTS				
3-13-72	ORIGINAL SUBMISSION FOR R/W AUTH.				
REVISIONS					
	R/W DES. REV. BY	MAPS CORR. BY	PARCELS AFFECTED	REQUEST BY	REMARKS
2-18-75	M.R.B.	P.R.J.	IB:STAQ	DIST. I	ADD Q.C.D.
2-27-75	M.R.B.	P.R.J.	IB:AQ	DIST. I	ADD Q.C.D.
2-15-85	J. F. V.	D.M.R.	REF. IB:AQ	DIST. I	RELINQUISHMENT OF ACCESS



NELSON PARK ADDITION

PARCEL NO.	GRANTEE	NET AC.
561: IB:STAQ	OGDEN CITY CORPORATION	0.283±
IB:AQ	" " "	0.136±
REF. IB:AQ	" " "	0.00 RELINQUISHMENT OF ACCESS

PARCEL NO.	OWNER	NET AC.	SQ. FT.	EXIST R/W AC. IN DEED	OWNERSHIP AC.	REMAINING AC. OR ⌀ LEFT	REMAINING AC. OR ⌀ RIGHT
561: 1 :A	WALTER E. MANN ET. AL.	0.047	2,070	0	0.466	0	18,213 ⌀
: 2	RAYMOND SHUPE ET. AL.	0.038	1,658	0	0.465	0	29,617 ⌀
: 3	HERBERT E. MERMAN ET. AL.	0.029	1,253	0	0.465	0	18,997 ⌀
:IB : A	WALTER E. MANN ET. AL.	0.136	5,924	0	0.419	0	12,327 ⌀
IB : ST	WALTER E. MANN ET. AL.	0.283	12,327	0	0.283	0	0

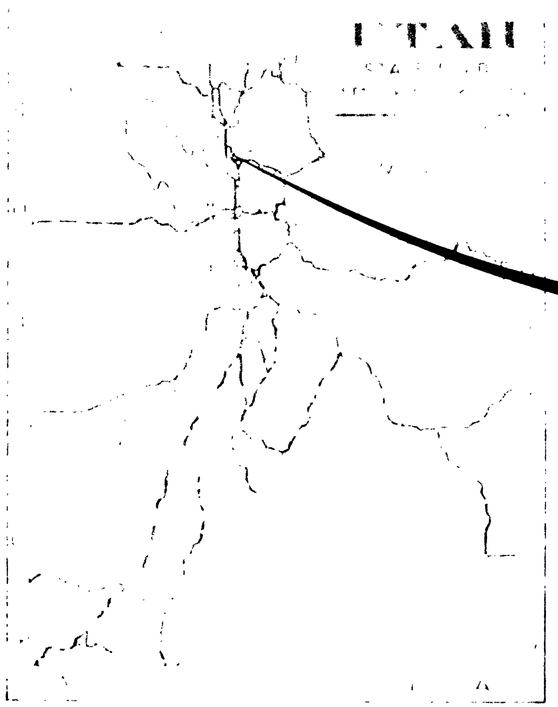
SCALE: 1" = 50'

UTAH STATE DEPARTMENT OF HIGHWAYS
SALT LAKE CITY, UTAH
ROADWAY DESIGN

DESIGN M.G.H. 3-10-72 CHECK M.L.L. 3-10-72
DRAWN M.G.H. 3-10-72 CHECK M.L.L. 3-10-72
QUANT. CHECK
APPROVAL RECOMM. 3-10-72 (DATE) [signature] PROJ. DESIGN ENGINEER
APPROVED 13/MAR/72 (DATE) J.W. Hoover PLANS & ESTIMATES ENGINEER
PROJ. NO. NS-561(7)

REVIEW
DESIGN
R/W ELM 3-72
WEBER COUNTY
SHEET 3 OF

#132 Weber



NS-561(7)
T-2001(5)

STATE OF UTAH
STATE ROAD COMMISSION

PLAN OF AS CONSTRUCTED STATE ROAD

FEDERAL AID PROJECT

LARRY R DURRANT — PROJECT ENGINEER

NS-561(7) HARRISON BLVD. — NEAR 42ND STREET & 36TH STREET LENGTH 0.118 MILE

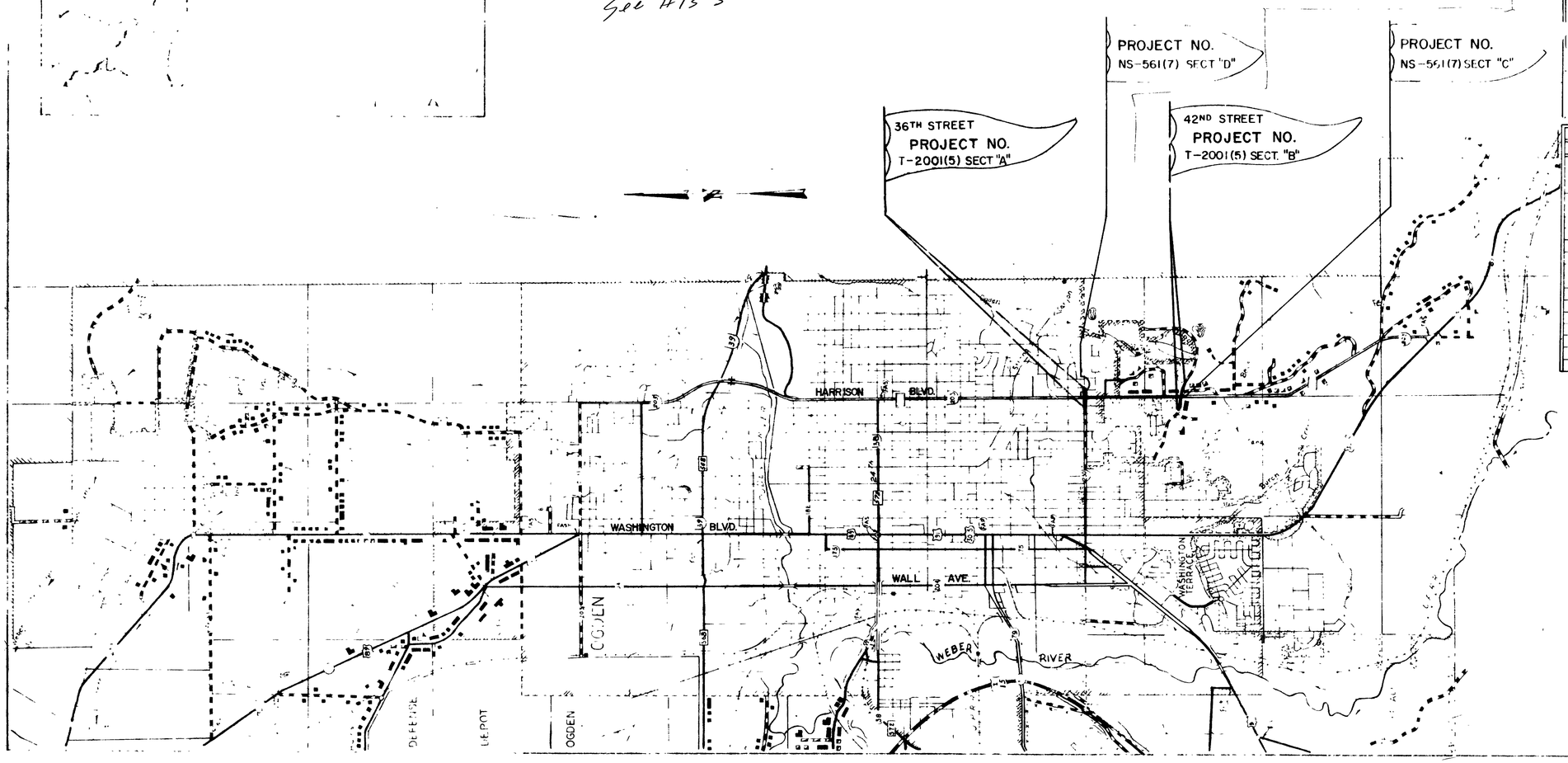
T-2001(5) 36TH STREET & HARRISON BLVD. LENGTH 0.180 MILE

T-2001(5) 42ND STREET & HARRISON BLVD. LENGTH 0.285 MILE

GRADING, DRAINAGE, SURFACING AND TRAFFIC SIGNALS

WEBER COUNTY

See #133



NS-561(7)	1	
T-2001(5)	1	

NS-561(7)		
1		TITLE SHEET
2		TYPICAL CROSS SECTION SHEET
3		SUMMARY SHEETS
4		PLAN & PAVEMENT DESIGN SHEET
T-2001(5)		
1		TITLE SHEET
2		TYPICAL CROSS SECTION SHEET
3		SUMMARY SHEETS
4		PLAN & PAVEMENT DESIGN SHEET
5		TRAFFIC SIGNALS
S-48	1	SUMMARY SHEET
S-48	2-3	SITUATION PLAN
S-48	14	MAST ARM SIGNAL POLE
S-48	15	LIGHT POLE EXTENSION DETAIL
S-48	18	SIGNAL MOUNTING DETAIL
S-48	20	PEDESTRIAN SIGNAL ASSEMBLY DETAIL
S-48	21	DETECTOR DETAIL
S-48	22	JUNCTION BOX DETAIL
S-48	23	TYPE "M" CONTROL CABINET
S-48	24	SAFETY & PHOTO ELECTRIC CONTROL

STRUCTURE DRAWINGS

V-1249	2	RETAINING WALL — 36TH ST
V-1250	1	RETAINING WALL — 42ND ST
V-1319	1	RETAINING WALL — 37TH ST.

STANDARD DRAWING

DRAWING NO.	DESCRIPTION	DATE
605-20	REINFORCED CONCRETE CULVERTS	5-4-66
610	CONCRETE CURB & GUTTER	10-15-70
715-1	OPEN & BRIDGE CONCRETE DRIVEWAY	4-11-66
725-1	R/W MARKERS & MAIL BOX POSTS	12-2-69
745-1A - 1C	CONSTRUCTION SIGNING	6-13-72
745-10	ADVANCE WARNING DEVICES	10-5-71
805-1A - 1B	SUPERELEVATION & WIDENING	10-10-63
745-60	HIGHWAY SIGNS OTHER THAN FREEWAY	6-1-71
615-2	INLET & OUTLET GUTTER TRANSITION	12-1-70
605-1	CORRUGATED METAL PIPE CULVERTS	12-2-70

UTAH STATE DEPARTMENT OF HIGHWAYS

RECOMMENDED FOR APPROVAL May 3, 1973

Alex E. Mansour
CHIEF, ROADWAY DESIGN DIVISION

RECOMMENDED FOR APPROVAL MAY 1973

David L. Sargent
ENGINEER FOR PRECONSTRUCTION

APPROVED MAY 973

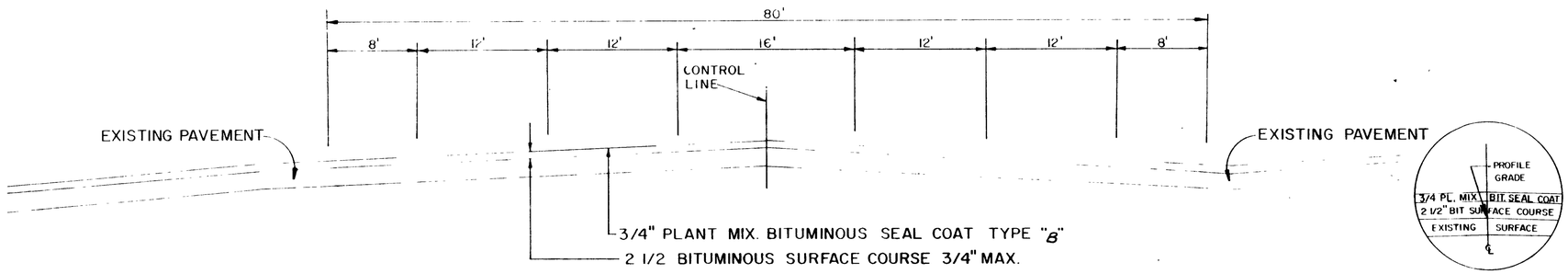
C Y Anderson
STATE HIGHWAY ENGINEER

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED

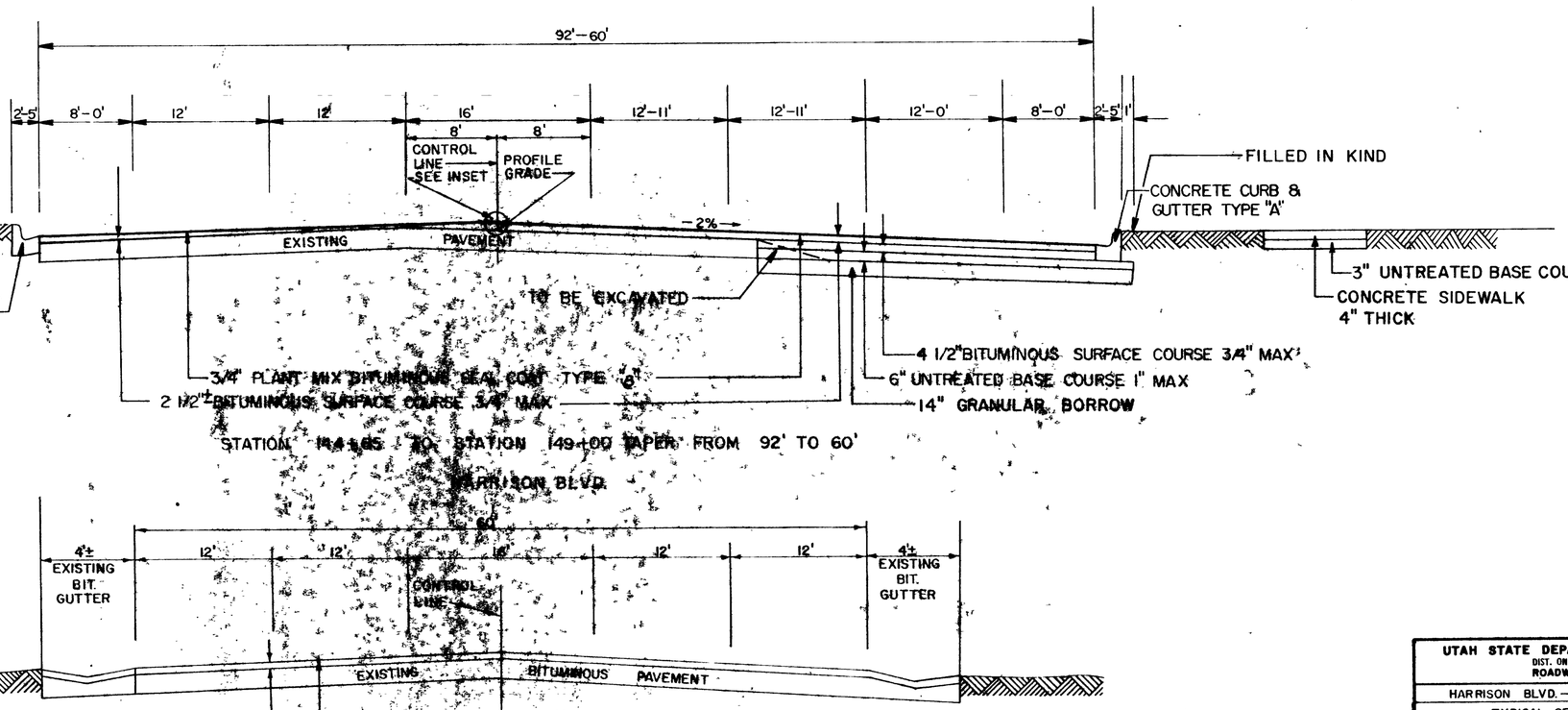
DIVISION ENGINEER DATE

TYPICAL CROSS SECTION



HARRISON BLVD. & 42nd STREET INTERSECTION
STATION 103+75 TO STATION 104 + 65

INSET



STATION 149+00 TO STATION 150+00
HARRISON BLVD.
DESIGN SPEED 40 M.P.H.
SUPERELEVATE CURVES IN ACCORDANCE WITH STD. DRAWING # 805 IA & IB

NO.	BY	DATE	TYPE	REMARKS

REVISIONS

UTAH STATE DEPARTMENT OF HIGHWAYS
DIST. ONE – OGDEN, UTAH
ROADWAY DESIGN

HARRISON BLVD. — 36TH TO 35TH STREET

TYPICAL SECTION SHEET

DESIGN	B.H.S. 7-72	CHECK	H.H.R. 7-72	REVIEW
DRAWN	L.M.B. 7-72	CHECK	B.H.S. 7-72	DESIGN 10-5-73
QUANT.	L.M.B. 7-72	CHECK	B.H.S. 7-72	R/W

APPROVAL RECOMM. 5/1/73 DATE — Bernard H. Stoots, FROM DESIGN ENGINEER

APPROVED 5/1/73 DATE — DIST. PRECONSTRUCTION ENGR.

WEBER COUNTY

PROJECT NUMBER NS-561(7) SECTION "C" & "D" SHEET NO. 2

MMARY SHEET

SUMMARY OF ITEMS			CONSTRUCTION SOURCE REFERENCE	
ITEM	UNIT	QUANTITY	FIELD BOOK	PAGE
MOBILIZATION	LUMP	•	1	2
ADVANCE WARNING DEVICE TYPE "A" STATIONARY	HOUR	6	1	13-14
ADVANCE WARNING DEVICE TYPE "B" MOVING	HOUR	0		
CLEARING & GRUBBING	LUMP	•	1	6
FLAGGING	HOUR	127	1	1-14
ROADWAY EXCAVATION	CU YD	825.84	X-SECT. 1	50 ROLL NO. 1
GRANULAR BORROW	TON	149.73	SCALE 1	REC. BOOK OF 1
REMOVAL OF CONCRETE SIDEWALK	SQ YD.	283.32	1	14
UNTREATED BASE COURSE 1" MAX.	TON	51.75	SCALE 1	REC. BOOK OF 1
BITUMINOUS MATERIAL GRADE MC-70 OR MC-250	TON	0.65	SCALE 3 T-2001(5)	REC. BOOK OF 3 #656712
BITUMINOUS MATERIAL GRADE RC 70 OR RC 250	TON	1.870	SCALE 1	REC. BOOK OF 1
S.A. NO. 2 BITUMINOUS SURFACE COURSE 3/4" MAX	TON	1060.92	SCALE 1	REC. BOOK OF 1
BITUMINOUS MATERIAL GRADE AC-15 VISCOSITY GRADED ASPHALT	TON	62.59	1	20
S.A. NO. 2 & 3 PLANT MIX BITUMINOUS SEAL COAT TYPE "B"	TON	400.20	SCALE 1	REC. BOOK OF 1
BITUMINOUS MATERIAL GRADE AC-20 VISCOSITY GRADED ASPHALT	TON	26.01	1	21
CONCRETE CURB & GUTTER TYPE "A"	LIN FT	171.7	4	43-47
CONCRETE DRIVEWAYS 6" THICK	LIN FT	104.9	4	43
CONCRETE SIDEWALK 4" THICK	SQ YD	198.41	4	43
RECONSTRUCTING CLEANOUT BOXES & MANHOLES	EACH	12	1	25
RECONSTRUCTING MONUMENT & WATER VALVE BOXES	EACH	17	1	24
RIGHT OF WAY MARKERS	EACH	2	1	28
MOVING STREET SIGN	EACH	0		
HIGHWAY TRAFFIC PAINT	GAL.	11	1	26
CONCRETE SIDEWALK 6" THICK	SQ YD	27.24	4	43
HYDRATED LIME	TON	10.61	1	35
CONTINGENT SUM PAY ITEM	LUMP	•		
[illegible] OF [illegible] CURB	LIN FT	839.0	1	16-17
[illegible]				
[illegible] Signal Pole	Force Account		4	8
[illegible] Speaker Sign	Force Account		1	[illegible]
[illegible] Frame	Each		4	13
[illegible] Control Cabinet And [illegible] Conduit, Cable, Junction [illegible] of Area Interlock System [illegible] Control	Lump		4	9-22
[illegible] - Remove And Replace traffic [illegible] Relocate Traffic Signal Pole And [illegible] - Relocate [illegible] to New Power Source.	Lump		4	9-22

MISCELLANEOUS			CONSTRUCTION SOURCE REFERENCE	
ITEM	UNIT	QUANTITY	FIELD BOOK	PAGE
MOBILIZATION	LUMP	•	1	2
ADVANCE WARNING DEVICE TYPE "A" STATIONARY	HOUR	6	1	13-14
ADVANCE WARNING DEVICE TYPE "B" MOVING	HOUR	0		
CLEARING & GRUBBING	LUMP	•	1	6
FLAGGING	HOUR	127	1	1-14
RECONSTRUCTING CLEANOUT BOXES & MANHOLES	EACH	12	1	25
RECONSTRUCTING MONUMENT & WATER VALVE BOXES	EACH	17	1	24
MOVING STREET SIGN	EACH	0		
CONTINGENT SUM PAY ITEM	LUMP	•		
REMOVAL OF CONCRETE CURB	LIN FT	939.0	1	16-17

I Hereby Certify These Quantities, And Work Done Are Correct. Larry R. Durrant 2-11-75
Project Engineer

REVISIONS REMARKS

UTAH STATE DEPARTMENT OF HIGHWAYS
ROADWAY DESIGN
HARRISON BLVD OGDEN
SUMMARY SHEET

DESIGN BHS 2-73	CHECK LMB 2-73	REVIEW	
DRAWN BPW 2-73	CHECK MDH 2-73	DESIGN ADB 5-9-73	
PLANS LMB 2-73	CHECK BPW 2-73	R/W	
APPROVAL RECOMM. 5/1/73 DATE	[signature] PROJ. DESIGN ENGINEER		
APPROVED 5/1/73 DATE	[signature] CONSTRUCTION ENGR.	WEBER COUNTY	
PROJ. NUMBER NS-561(7) SECT "C" & "D"		SHEET NO 3	

SUMMARY SHEET

SURFACING

STATION TO STATION	LENGTH	GRAVEL MATERIAL – BITUMINOUS SURFACE COURSE 3/4" MAX (148 LBS PER CU FT) AVG WIDTH	DEPTH	TON	SEAL COAT TYPE "B" AVG WIDTH	DEPTH	TON	UNTREATED BASE COURSE 1" MAX AVG WIDTH	DEPTH	TON
103+75 – 104+65	90	80	2 1/2	111	79.25	3/4"	33			
144+65 – 149+00	435	78	2 1/2	523	78.0	3/4"	157			
149+00 – 150+00	100	60	2 1/2	92.5	59.25	3/4"	27			
144+65 – 150+00	535	14	4 1/2	208				14	6"	262
FROM CURB & GUTTER										23
99+38 – 103+68	860	VAR	6	59.2						
Estimated TOTAL				993.7			217			285
USED				1060.92			400.20			61.75

STATION TO STATION	HYDRATED LIME 1% OF BIT MIX TON	BITUMINOUS MATERIAL – VISCOSITY GRADED ASPHALT RATE OF APPL. PERCENT	GRADE AC-5 TON	RATE OF APPL. PERCENT	GRADE AC-20 TON	MC-70/MC-250 PRIME COAT 0.3 GAL PER SQ.YD WIDTH	TON	RC-70/RC-250 TACK COAT 0.10 GAL PER SQ YD WIDTH	TON	CONSTRUCTION SOURCE REFERENCE FIELD BOOK	PAGE
103+75 – 104+65	1.11	6	6.66	7	2.24			80	0.3		
144+65 – 149+00	5.23	6	31.38	7	10.99			78	1.5		
149+00 – 150+00	0.93	6	5.55	7	2.03			60	0.3		
144+65 – 150+00	2.08	6	12.48			14					
FROM CURB & GUTTER											
99+38 – 103+68	0.59	6	3.55								
Estimated TOTAL	9.94		59.65		15.26		1.0		2.1		
USED			62.59		26.01		0.65		1.879		

HIGHWAY TRAFFIC PAINT

APPLICATION FOR STRIPING TYPE OF STRIPE	GAL PER MILE	SOLID WHITE MILE	GAL	SKIP WHITE MILE	GAL	SOLID YELLOW MILE	GAL	CONSTRUCTION SOURCE REFERENCE FIELD BOOK	PAGE
4" SOLID WHITE	16	0.04	0.64						
4" SKIP WHITE	6			0.19	1.14				
4" SOLID YELLOW	16					0.17	2.66		
SUB TOTAL			0.64		1.14		2.66		
TOTAL					4.44				
USED	YELLOW 6.7 WHITE 4.3			11.0 GAL.				1	26

I Certify These Quantities To Be Correct.

Larry R. Durrant 2-11-75
PROJECT ENGINEER

EARTHWORK QUANTITIES

STATION TO STATION	EMBANKMENT CU YD	ROADWAY EXCAVATION CU YD	CONSTR. SOURCE FIELD BK.	PG.	GRANULAR BORROW TON	CONSTRUCTION SOURCE REFERENCE FIELD BOOK	PAGE
144+65 – 150+00	0	732.07	V-Sec.R.1 4	50	149.73	SCALE BK 1	
			2	30			
99+38 – 103+66		93.77	1	16			
TOTAL		825.84			149.73		
USED		825.84			149.73		

LINEAR SUMMARY

STATION TO STATION	LINEAR FEET	MILES	CONSTRUCTION SOURCE REFERENCE BOOK	PAGE
103+75 104+65	90			
144+65 150+00	535			
	625	0.118		

RIGHT-OF-WAY MARKERS

STATION	LEFT OR RIGHT	CONSTRUCTION SOURCE REFERENCE FIELD BOOK	PAGE
145+64.79	1-RT	1	28
148+29.80	1-RT	1	28
TOTAL	2		
USED	2		

CONCRETE CURB & GUTTER, DRIVEWAYS & SIDEWALK

STATION TO STATION	LEFT OR RIGHT	CONCRETE SIDEWALK 6" THICK SQ YD	CURB AND GUTTER TYPE "A" LIN FT	CONCRETE DRIVEWAY 6" THICK LIN FT	UNTREAT BASE COURSE 1" MAX TON	CONCRETE SIDEWALK 4" THICK SQ YD	REMOVEL OF CONCRETE SIDE WALK SQ YD	EXC FOR STRUCT CU YD	CONSTRUCTION SOURCE REFERENCE FIELD BOOK	PAGE
145+64.79 – 148+50	RT				22.03	119.98	283.32	30.17		
145+64.79 – 148+50	RT		171.7		7.14					
146+37	RT	11.22		30.2	1.68	44.22		6.16		
147+96	RT	6.78		23.3	1.01	34.24		4.19		
147+21±		9.94		27.8	1.49					
148+80				23.6						
TOTAL		27.94	171.7	104.9	32.35*	198.41	283.32	40.52		
USED		27.94	171.7	104.9	32.35	198.41	283.32	40.52		

* TRANSFERRED TO SURFACING

NO.	BY	DATE	TYPE	REMARKS

REVISIONS

UTAH STATE DEPARTMENT OF HIGHWAYS
ROADWAY DESIGN

HARRISON BLVD 42ND STREET INTERSECTION & 36TH STREET TO 35TH STREET OGDEN

SUMMARY SHEET

DESIGN	BPW	1/73	CHECK	BHS	1/73	REVIEW DESIGN 5-9-73
DRAWN	BPW	1/73	CHECK	BHS	1/73	R/W
QUANT.	LMB	1/73	CHECK	BHS	1/73	

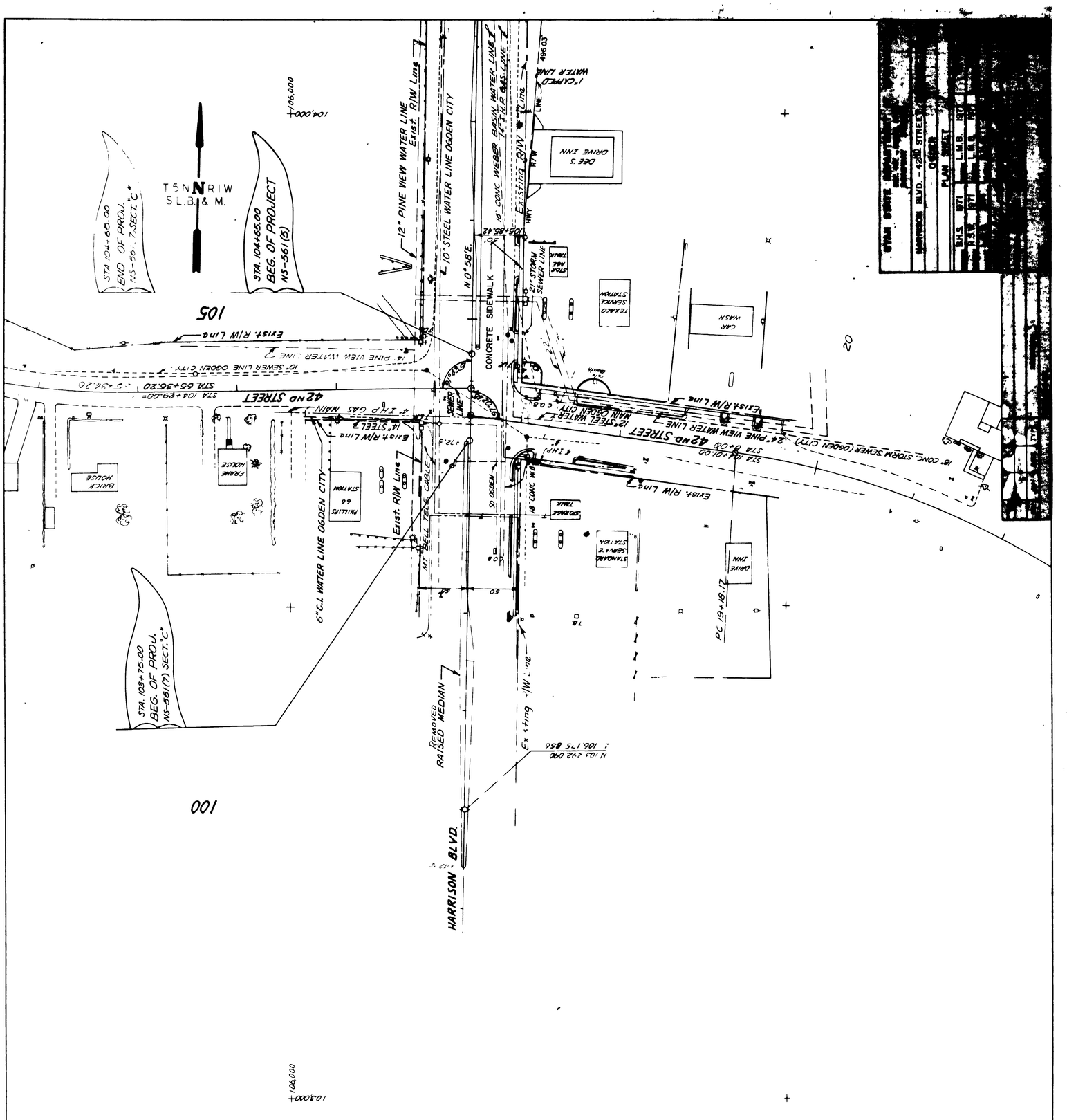
APPROVAL RECOMM. 5/1/73 — PROJ. DESIGN ENGINEER (DATE)

APPROVED 5/1/73 — DIST. RE CONSTRUCTION ENGR. (DATE)

WEBER COUNTY

PROJECT NUMBER NS 561(7)

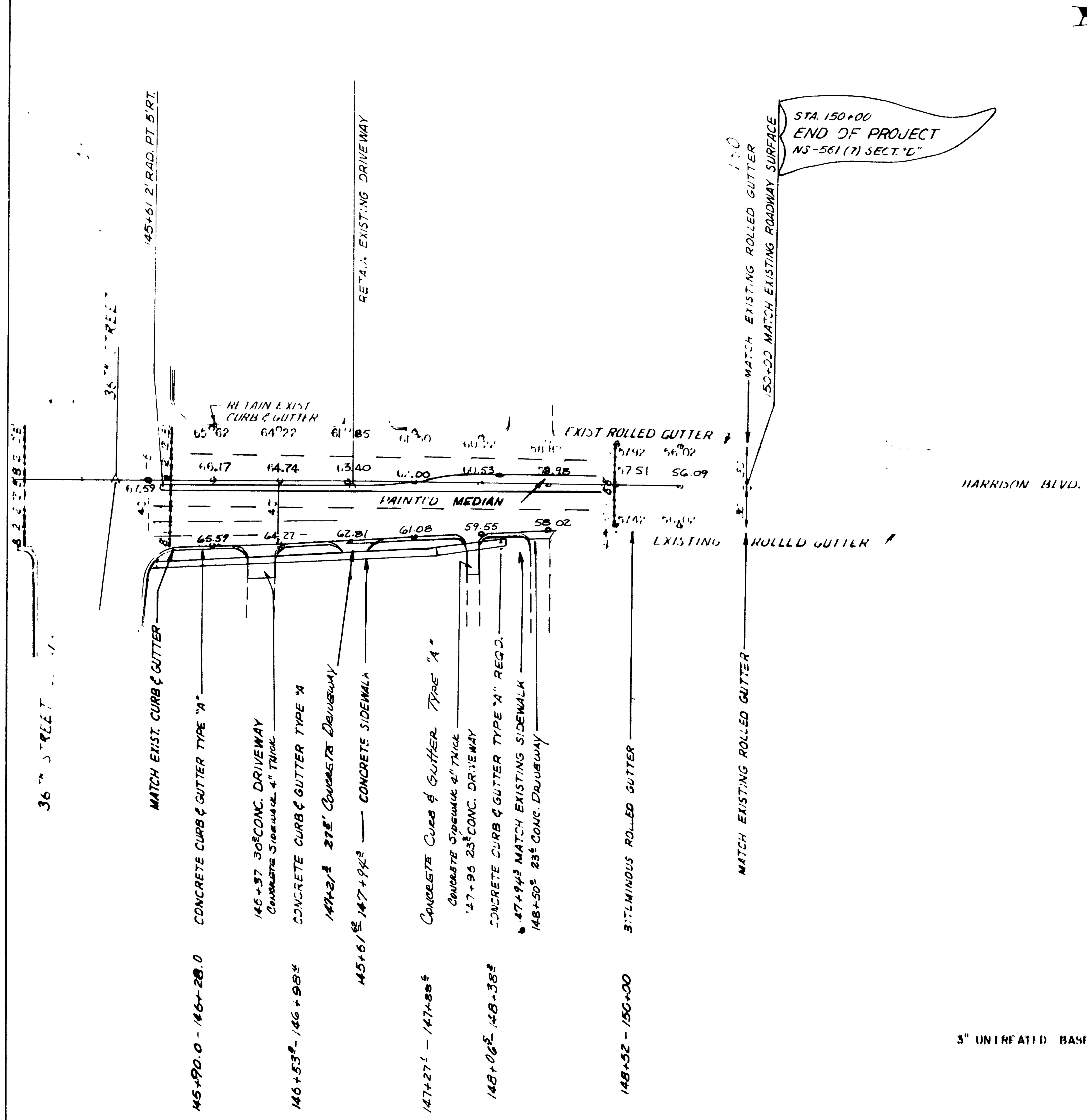
SHEET NO 3A

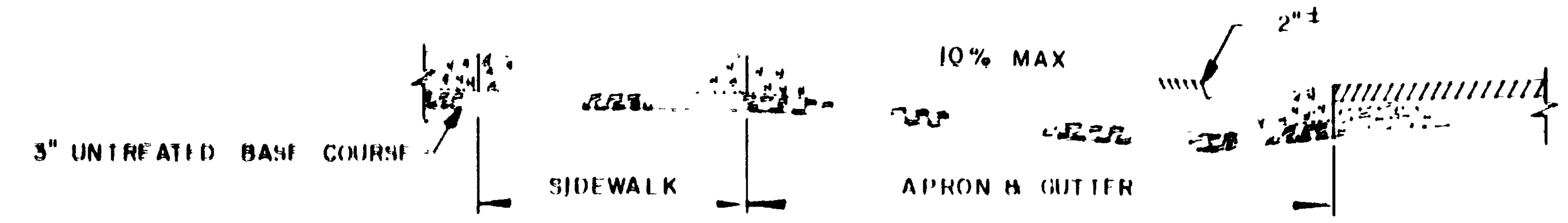


REVISIONS

DATE	BY	DATE	BY

STA 144+65.0
BEG. OF PROJ.
NS-561(7) SECT. "D"
STA. 144+65.0
END OF PROJ.
NS-561(5)
STA. 150+00.0
END OF PROJ.
NS-561(7) SECT. "D"
140
145
150
BRINKER AVE.
STORE
UNION SERVICE STATION
36TH STREET
HARRISON BLVD.
IOWA AVE.
Existing R/W Line
6" PINE VIEW WATER LINE
4" I.H.P GAS MAIN
MT. BELL TELE CABLE
10" SEWER LINE OGDEN CITY
16" CONC WEBER BASIN WATER LINE
14" I.H.P MT. FUEL SUPPLY GAS LINE
24" REINF. CONC STORM SEWER
8" C.I. WATER LINE OGDEN CITY
10' SEWER LINE
TREES, SHRUBS & PIPE
REMOVED
TREES & PIPE
HWY R/W LINE
END L/A LINE
BEG. L/A LINE
END L/A LINE
12" C.I. WATER MAIN
12" PINE VIEW WATER LINE
10" C.I. WATER MAIN
BRICK HOUSE
RED BRICK HOUSE
WHITE FRAME HOUSE
WHITE HOUSE
GAR
OCM
STA 3+04.96
OCM
STA 3+80.69
N.00°58'E
BLVD. — 36TH TO





CONCRETE DRIVEWAYS (MODIFIED)

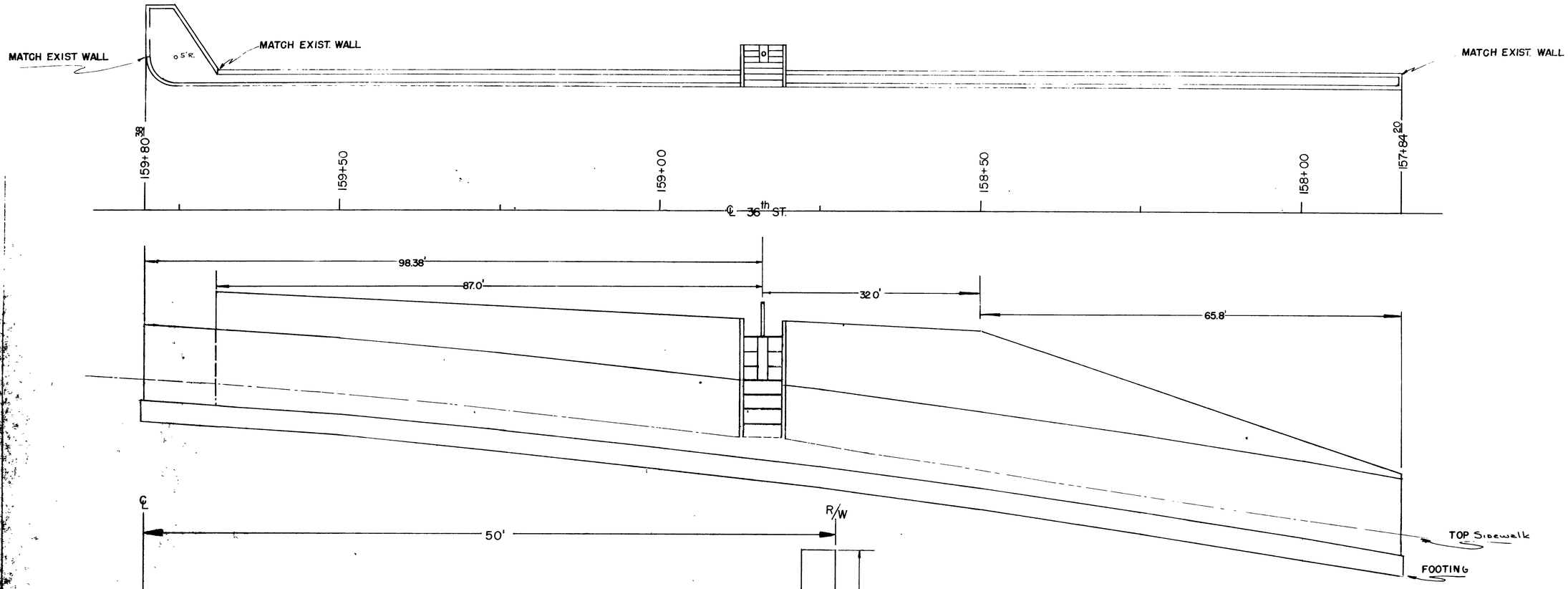
NO.	BY	DATE	TYPE	REMARKS
REVISIONS				

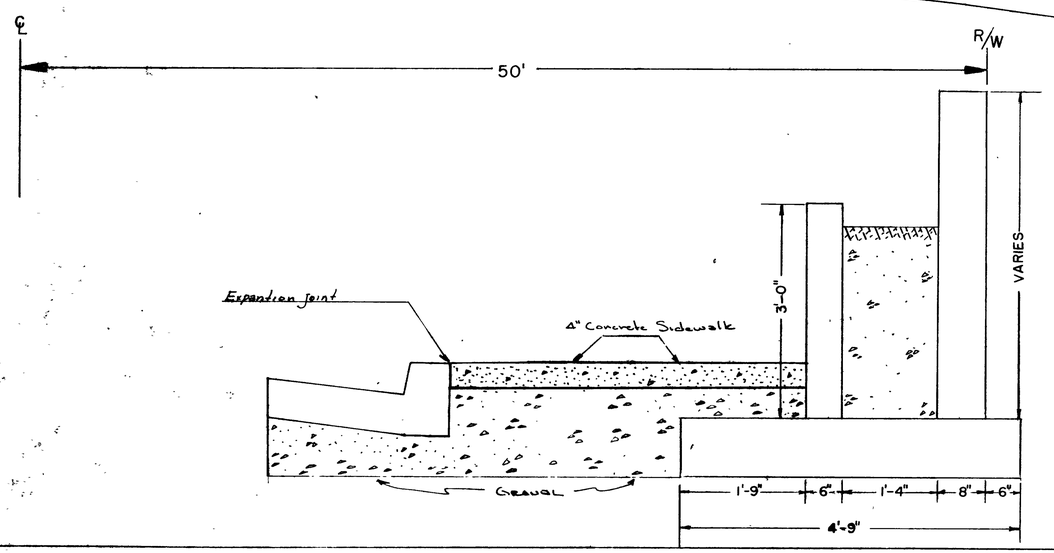
UTAH STATE DEPARTMENT OF HIGHWAYS
DIST ONE - OGDEN, UTAH
ROADWAY DESIGN

HARRISON BLVD. - 36TH TO 38TH STREET
CHANNELIZATION SHEET

DESIGN	B.H.S. 1971	CHECK	L.M.B. 1971	REVIEW
DRAWN	L.M.B. 1971	CHK	B.H.S. 1971	DESIGN
QUANT.	L.M.B. 1971	CHECK	B.H.S. 1971	R/W
APPROVAL RECOMM.	5/1/73	PROJ. DESIGN ENGINEER		
APPROVED	5/1/73	DIST. PRECONSTRUCTION ENGR.		WEBER COUNTY

PROJECT NUMBER NS-561(7) SECTION "D" SHEET NO. 6





GENERAL NOTES

1. Materials, construction and workmanship shall be in accordance with the Utah Department of Highways Standard Specifications for Road and Bridge Construction, Edition of 1970, and Supplements thereto, which are in effect at the date of request for bids.
2. All reinforcing steel shall be deformed billet steel bars conforming to ASTM designation A 615-68, Grade 40.
3. All structural steel shall be structural carbon steel conforming to AASHO designation M-183 (ASTM A-36) except where noted otherwise.
4. Exposed concrete corners shall be chamfered ¾" except where noted otherwise
5. Cover to reinforcing steel shall be 2" except where noted otherwise.

DESIGN DATA

Cast-in-place Concrete $f_c = 3{,}000$ psi, f_s (Reinf) $= 20{,}000$ psi
$f_c = 1{,}200$ psi, $n = 10$

Structural Steel $f_s = 20{,}000$ psi.

Scale: 1" = 80' Horizontal
1" = 20' Vertical

UTAH STATE DEPARTMENT OF HIGHWAYS
DIST. ONE - OGDEN, UTAH
ROADWAY DESIGN

ALTERNATE RETAINING WALL AT 36th STREET LOCATED FROM STATIONS 157+84.20 TO 159+80.38

DESIGN R.L.R. 3-28-74	CHECK J.E.B. 3-29-74	REVIEW	
DRAWN D.E.V. 3-27-74	CHECK J.E.B. 3-29-74	DESIGN	
QUANT.	CHECK	R/W	
APPROVAL RECOMM. DATE	PROJ. DESIGN ENGINEER		
APPROVED Apr. 8, 74 DATE	DIST. PRECONSTRUCTION ENGR.	WEBER COUNTY	
PROJECT NUMBER T-2001(5)		SHEET NO. 1	

TYPICAL CROSS SECTION

DESIGN SPEED 40 M P H
SUPERELEVATE CURVES IN ACCORDANCE WITH STD DRAWING NO 805 1A & 1B

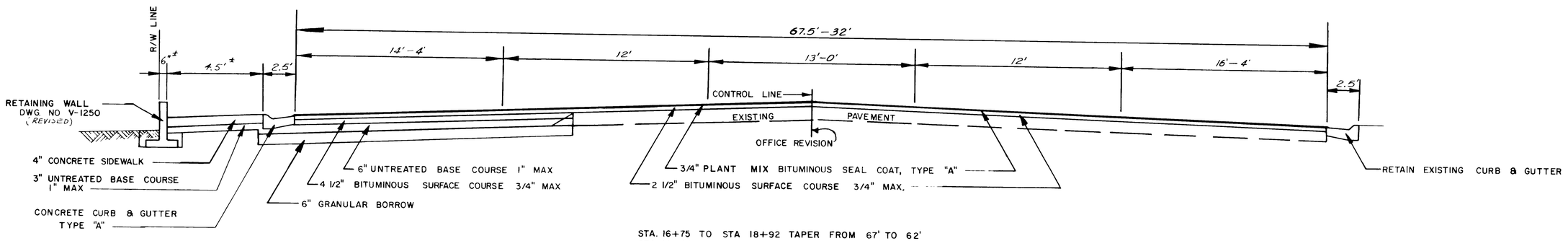
UTAH STATE DEPARTMENT OF HIGHWAYS
ROADWAY DESIGN
36th STREET OGDEN
TYPICAL CROSS SECTION SHEET

MEH 1 73 · EHS 1 73 · BPW 1 73 · BHS 1 73 · REVIEW

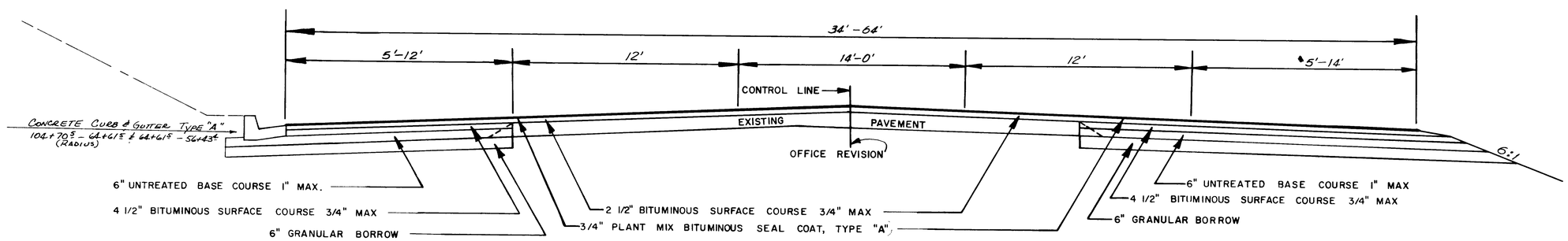
WEBER

T 2090(1) SECTION "A" 2

TYPICAL CROSS SECTION



STA. 16+75 TO STA 18+92 TAPER FROM 67' TO 62'
STA. 18+92 TO STA. 21+00 TAPER FROM 62' TO EXISTING SURFACE
SEE CHANNELIZATION SHEET 8



STA 54+94.67 TO STA. 61+54.75 TAPER FROM EXISTING TO 62'
STA 61+54.75 TO STA 63+45 ~ 62'
STA. 63+45 TO STA. 64+88.8 ~ 64'
SEE CHANNELIZATION SHEET 8

DESIGN SPEED 40 M.P.H.
SUPERELEVATE CURVES IN ACCORDANCE WITH STD. DRAWING NO 805 IA & IB

NO	BY	DATE	TYPE	REMARKS

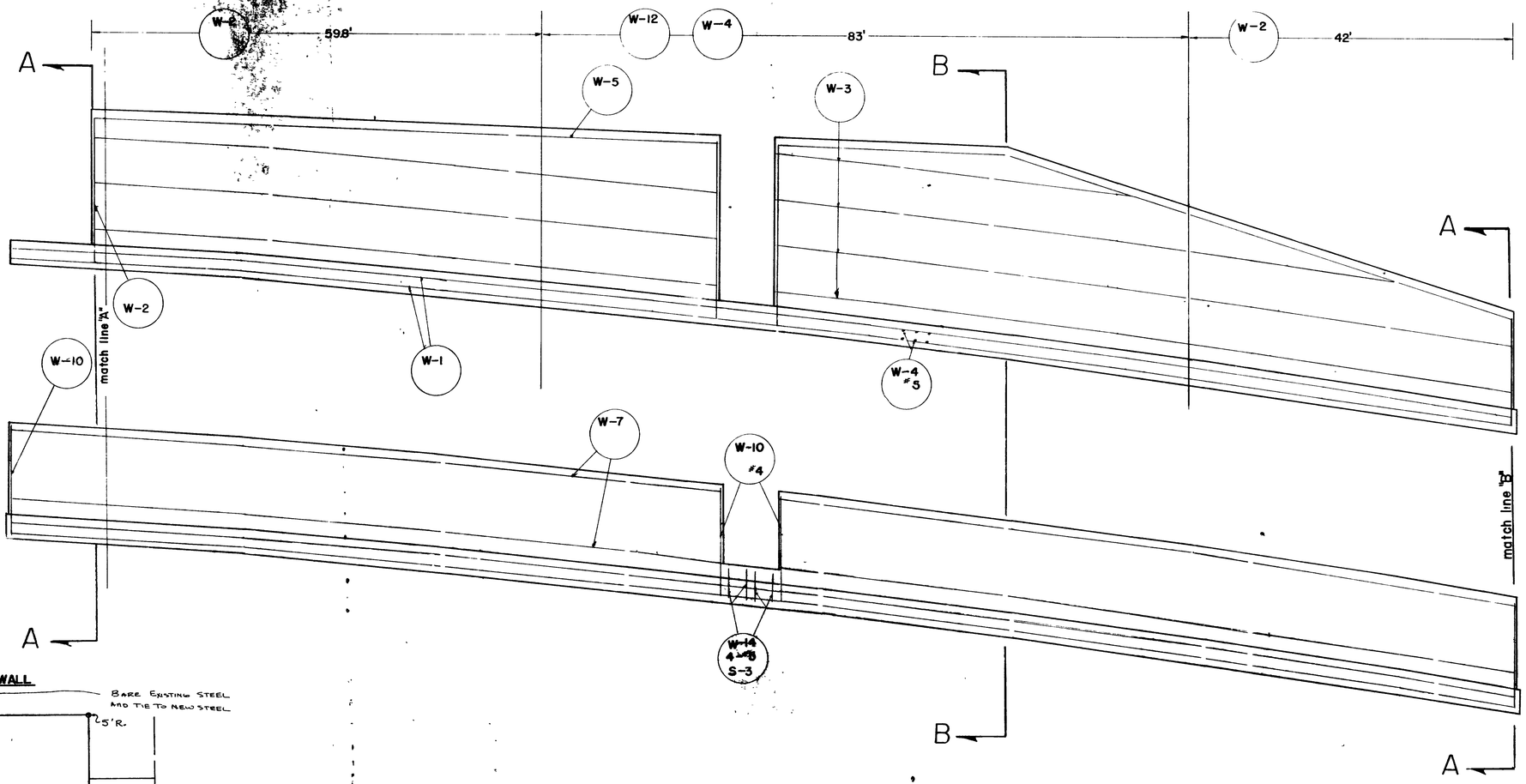
REVISIONS

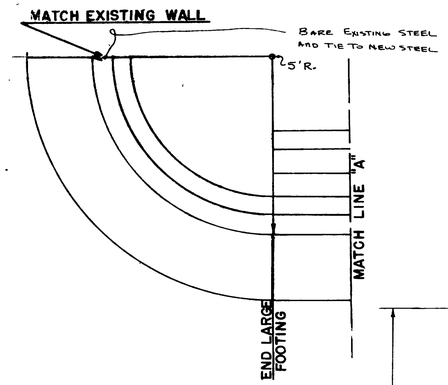
UTAH STATE DEPARTMENT OF HIGHWAYS
DIST. ONE - OGDEN, UTAH
ROADWAY DESIGN

42ND STREET - OGDEN

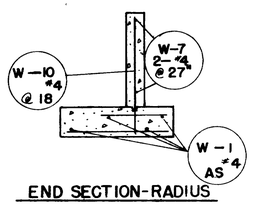
TYPICAL CROSS SECTION SHEET

DESIGN B.H.S. 1-73	CHECK H.H.R. 1-73	REVIEW		
DRAWN B.P.W. 1-73	CHECK B.H.S. 1-73	DESIGN	5-9-73	
QUANT. L.M.B. 1-73	CHECK B.H.S. 1-73	R/W		
APPROVAL RECOMM. 5/1/73 DATE	Bernard H. Hoots PROJ. DESIGN ENGINEER			
APPROVED 5/1/73 DATE	DIST. PRECONSTRUCTION ENGR.	WEBER COUNTY		
PROJECT NUMBER T-2001(5) SECTION "B"		SHEET NO 2A		



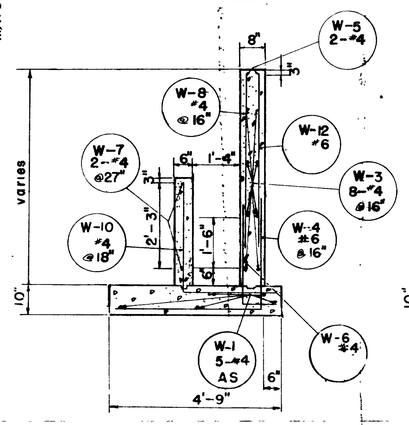


PLAN

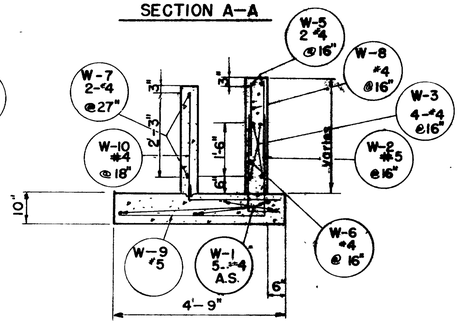


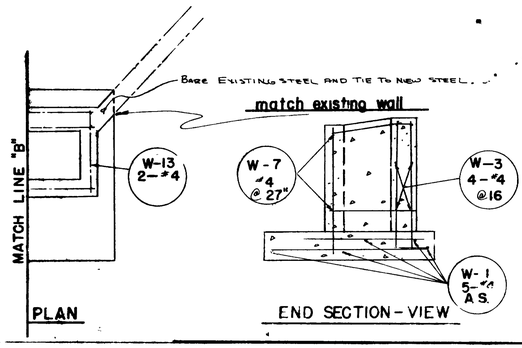
END SECTION-RADIUS

SECTION B-B



SECTION A-A





PLAN

END SECTION-VIEW

UTAH STATE DEPARTMENT OF HIGHWAYS
DIST. ONE - OGDEN, UTAH
ROADWAY DESIGN

ALTERNATE RETAINING WALL AT 36th STREET LOCATED FROM STATIONS 157+84.20 TO 159+80.38

DESIGN BLR 3-22-74	CHECK TER 3-22-74		REVIEW
DRAWN DEV 3-22-74	CHECK TER 3-22-74		DESIGN
QUANT.	CHECK		R/W
APPROVAL RECOMM. DATE	PROJ. ENGR. & ENGINEER		
APPROVED Sept 8 '74 DATE	DIST. PROJ. CONSTRUCTION ENGR.		WEBER COUNTY
PROJECT NO.	T-2001(5)		SHEET NO 28

SUMMARY SHEET

SUMMARY OF ITEMS

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MOBILIZATION	LUMP	•	9	22
CONSTRUCTION SIGNS (32 POSTS)	LUMP	•	9	2
ADVANCE WARNING DEVICE TYPE "A" STATIONARY	HOUR	0		
ADVANCE WARNING DEVICE TYPE "B" MOVING	HOUR	0		
CLEARING & GRUBBING	LUMP	•	9	23
FLAGGING	HOUR	515.0	8	1-52
ROADWAY EXCAVATION	CU YD	2150 1	5 X-SECT	60-61-63 ROLL NO 1&2
EXCAVATION FOR STRUCTURES	CU YD	464.0	X-SECT	4,10,50 1,12
W.O. NO. 1 REMOVAL OF CONCRETE CURB & GUTTER	LIN FT	1137.3	9	7,15,16,19
REMOVAL OF CONCRETE SIDEWALK	SQ YD	109 87	9	8,17
GRANULAR BORROW	TON	3350.4	SCALE REC. BOOK 2 OF 3	
W.O. NO. 1 UNTREATED BASE COURSE 1" MAX	TON	3051.3	SCALE REC. BOOK 2 OF 3	
BITUMINOUS MATERIAL GRADE MC-70 OR MC-250	TON	6.775	SCALE REC. BOOK 3 OF 3	
BITUMINOUS MATERIAL GRADE RC-70 OR RC-250	TON	4.945	SCALE REC. BOOK 3 OF 3	
S.A. NO. 3 BITUMINOUS SURFACE COURSE 3/4" MAX	TON	4607.11	SCALE REC. BOOK 3 OF 3	
BITUMINOUS MATERIAL GRADE AC 15 VISCOSITY GRADED ASPHALT	TON	260.82	9	25,26
S.A. NO. 3,4 PLANT MIX BITUMINOUS SEAL COAT TYPE "B"	TON	710.55	SCALE REC. BOOK 3 OF 3	
BITUMINOUS MATERIAL GRADE AC 20 VISCOSITY GRADED ASPHALT	TON	44.11	9	27,28
W.O. NO. 1 CONCRETE CURB & GUTTER TYPE "A"	LIN FT	2257	6	80
W.O. NO. 1 CONCRETE SIDEWALK 7" THICK	SQ YD	99.16	6	80
CONCRETE DRIVEWAYS 7" THICK	LIN FT	211.9	6	72,75,76
W.O. NO. 1 CONCRETE SIDEWALK 4" THICK	SQ YD	253.5	6	80
RIGHT OF WAY MARKERS	EACH	12	9	30
RECONSTRUCTING CLEANOUT BOXES & MANHOLES	EACH	4	9	35,36
RECONSTRUCTING MONUMENT & WATER VALUE BOXES	EACH	8	9	35,36
HIGHWAY TRAFFIC PAINT	GAL	26.4	9	40
MOVING STREET SIGNS	EACH	•	9	41
REMOVAL OF BUILDINGS PARCEL # 1B	PARCEL	•	9	42
CONTINGENT SUM PAY ITEM	LUMP	•		
HYDRATED LIME	TON	46.07	9	60
BORROW	TON	766.93	SCALE REC. BOOK 1 OF 3	
REMOVAL OF CONCRETE DRIVEWAY	SQ YD	105.17	9	9,18
PORTLAND CEMENT CONCRETE, CLASS A (AE)	CU YD	94.807	6	4,10,28,80
REINFORCING STEEL	LBS	8497.0	6	1,4,10,28,56
STRUCTURAL STEEL	LBS	162	6	28
REMOVAL OF CONCRETE WALL	LUMP	•	9	10
(1) INLET GUTTER TRANSITION	EACH	2	6	80
(1) 12" CORR STEEL PIPE 16 GAGE	LIN FT	18	7	12
(1) W.O. NO. 1 CONCRETE WATERWAY 7" THICK	LIN FT	131.7	6	80
SA. No. 1 Removal of 11 Ft of A Newly Constructed Concrete Retaining Wall	Force Account	$271.09	6	46
S.A. No 2 5' Diameter Manhole	Each	0	7	10
SA. No 2 18" Reinforced Concrete Pipe (Rubber Gasket)	Lin Ft	362.0	7 6	1 50
S.A. No. 2 Concrete Small Structures Class "A" (AE)	Cu. Yd.	6.182	6	56
S.A. No 2 Rock Bedding	Ton	79.59	7	9
S A. No. 5 Cleanout Box Solid Cover And Frame	Each	1	6	50
SA No. 5 Catch Basin Grate & Frame	Each	1	7	8
S A No. 8 Fabricating In Place a 3' High Handrail in Place on top A Newly Constructed Retaining Wall At 36th Street	Force Account	—	6	47

(1) DB 2-22-73 Added New Items

MISCELLANEOUS

[illegible]	[illegible]	[illegible]	Source Reference [illegible]	Page
MOBILIZATION	LUMP	•	9	22
CONSTRUCTION SIGNS (32 POSTS)	LUMP	•	9	2
ADVANCE WARNING DEVICE TYPE "A" STATIONARY	HOUR	0		
ADVANCE WARNING DEVICE TYPE "B" MOVING	HOUR	0		
CLEARING & GRUBBING	LUMP	•	9	23
FLAGGING	HOUR	515.0	8	1-52
RECONSTRUCTING CLEANOUT BOXES & MANHOLES	EACH	4	9	35,36
RECONSTRUCTING MONUMENT & WATER VALUE BOXES	EACH	8	9	35,36
MOVING STREET SIGNS	EACH	0	9	41
REMOVAL OF BUILDINGS PARCEL # 1B	PARCEL	•	9	42
CONTINGENT SUM PAY ITEMS	LUMP	•		
REMOVAL OF CONCRETE WALL	LUMP	•	9	10
(1) INLET GUTTER TRANSITION	EACH	2	6	80
(1) 12" CORR STEEL PIPE 16 GAGE	LIN	18	7	12

I HEREBY CERTIFY THESE QUANTITIES AND THE WORK DONE ARE CORRECT Larry R. Durrant 2-11-75
PROJECT ENGINEER

36TH STREET & 42ND STREET OGDEN

SUMMARY SHEET

BHS	2 73	HHR	2 73
BPW	2 73	BHS	2 73
LMB	2 73	BPW	2 73

DB 5-9-73

/73 Bernard F. Roth

5/1/73 R. B. Richardson

WEBER

I-20 1(5)

3

SUMMARY SHEET

SURFACING

STATION TO STATION	LENGTH	GRAVEL MATERIAL – BITUMINOUS SURFACE COURSE 3/4" MAX. 148 LBS. PER CU. FT. AVG. WIDTH	DEPTH	TON	PLANT MIX BITUMINOUS SEAL COAT TYPE "B" AVG. WIDTH	DEPTH	TON	UNTREATED BASE COURSE 1" MAX. 140 LBS. PER CU. FT. AVG. WIDTH	DEPTH	TON	HYDRATED LIME 1% OF SEAL & BIT SURFACE TON	BITUMINOUS MATERIAL – VISCOSITY GRADED ASPHALT RATE OF APPL. PERCENT	GRADE AC-15 TON	RATE OF APPL. PERCENT	GRADE AC-20 TON	MC-70/MC-250 PRIME COAT .03 GAL. PER SQ. YD. WIDTH	TON	RC-70/RC-250 TACK COAT .01 GAL. PER SQ. YD. WIDTH	TON	CONSTRUCTION SOURCE REFERENCE FIELD BOOK	PAGE
42nd STREET																					
54+94.7–64+85.0	990.3	54.5	2 1/2"	833	53.7	3/4"	247	15.16	6"	775	10.80	6	50.00	7	17.29	22.4	3.58	56.5	2.55		
54+94.7–64+85.0	990.3	18.35	4 1/2"	504							5.04	6	30.24								
16+77.0–21+00.0	423.0	55	2 1/2"	361	54.12	3/4"	118	12.16	6"	180	5.41	6	21.66	7	8.26	15.0	1.11	56.6	1.06		
16+77.0–21+00.0	423.0	14	4 1/2"	162							1.62	6	9.72								
APPROACHES				17						27	.17	6	1.02								
36th STREET																					
155+40–160+80	540	65.6	2 1/2"	566	65.6	3/4"	167	47.2	6"	911	7.33	6	33.96	7	11.69			65.6	1.60		
155+40–160+80	540	27.9	4 1/2"	430							4.30	6	25.80			27.9	3.42				
161+72–164+72	300	62.0	2 1/2"	292	62.0	3/4"	88	65.5	6"	696	3.80	6	17.52	7	6.16			63.5	0.84		
161+72–164+72	300	29.0	4 1/2"	248							2.48	6	14.88			30.0	1.98				
SIDEWALK & DRIVEWAYS										33											
TOTAL				3413			620			2622	40.95		204.80		43.4		10.09		6.05		
USED				4627.11			710.55			3050.69	46.27		261.90		44.11		6.775		4.945		

HIGHWAY TRAFFIC PAINT

APPLICATION FOR ESTIMATING PURPOSES ONLY

TYPE OF STRIPING	GAL / MILE	SOLID WHITE MILE	SOLID WHITE GAL	SKIP WHITE MILE	SKIP WHITE GAL	SOLID YELLOW MILE	SOLID YELLOW GAL	CONSTRUCTION SOURCE REFERENCE FIELD BOOK	PAGE
42nd STREET									
4" SOLID WHITE	16	.092	1.47						
4" SOLID YELLOW	16					.435	6.98		
4" SKIP WHITE	6			.206	1.22				
36th STREET									
4" SOLID WHITE	16	.183	2.92						
4" SOLID YELLOW	16					.256	4.09		
4" SKIP WHITE	6			.159	.96				
SUB TOTAL			4.39		2.18		11.09		
TOTAL		17.64							
USED		YELLOW 10.5 GAL; WHITE 15.9 GAL					26.4 GAL	9	40

RETAINING WALL QUANTITIES

STATION TO STATION	P.C. CONC. CLASS "A" (AE) CU. YD.	REINF. STEEL LB	STRUCT STEEL LB	EXC. FOR STR. CU. YD	CONSTRUCTION SOURCE REFERENCE BOOK	PAGE
42ND STREET 1+00 TO 1+95 LT.	14.258	1447		30.8	6	10
36TH STREET 157+86.2 TO 159+80.2	57.0	4427	162	81.8	6	28
36TH STREET 159+63 TO 160+67 LT.	23.503	1798		44.7	6	4
TOTAL						
USED	94.761	7672	162	*157.3		

*Included in total Excavation For Structures

EARTHWORK QUANTITIES

STATION TO STATION	EMBANKMENT CU YD.	ROADWAY EXCAVATION CU YD.	BORROW TON	GRANULAR BORROW TON		CONSTRUCTION SOURCE REFERENCE FIELD BOOK	PAGE
42nd STREET 54+94.7–64+85.0	2093	563	3806	929			
16+77.0–21+00.0				180			
36th STREET 155+40–160+80	450	436	167	911			
161+72–164+72	390	8	852	696			
Estimated TOTAL	2933	1007	4825	2716			
USED		*2150.1	+766.88	+3351.93		+ Scale Rec Books	

* X-Section Rolls 1 and 2

LINEAR SUMMARY

STATION TO STATION	LINEAR FEET	MILES	CONSTRUCTION SOURCE REFERENCE BOOK	PAGE
42nd STREET				
54+94.7–64+85.0	1,990.3	0.377	3	7-8
16+77.0–21+00.0	423.0	0.080	3	9-11
36th STREET				
154+40.7–165+03.9	953.0	0.180	3	15-16

RIGHT-OF-WAY MARKERS

STATION	LEFT OR RIGHT	CONSTRUCTION SOURCE REFERENCE FIELD BOOK	PAGE
42th STREET			
54+94.67	1 LT.	9	30
61+77.55	1 LT.	9	30
61+82.43	1 RT.	9	30
64+79.83	1 RT.	9	30
18+92.30	1 LT.	9	30
36th STREET			
156+47.61	1 LT.	9	30
157+15.78	1 LT.	9	30
157+68.16	1 LT.	9	30
157+74.16	1 RT.	9	30
160+70.66	1 LT.	9	30
160+30.66	1 RT.	9	30
164+67.33	1 LT.	9	30
TOTAL	12		
USED	12		

CONCRETE CURB & GUTTER, DRIVEWAYS & SIDEWALK ①

STATION TO STATION	LEFT OR RIGHT	REMOVAL OF CURB AND GUTTER LIN. FT.	CURB AND GUTTER TYPE "A" LIN. FT.	CONCRETE DRIVEWAY 7" LIN. FT.	REMOVAL OF CONCRETE DRIVEWAY SQ. YD.	REMOVAL OF CONCRETE SIDEWALK SQ. YD.	CONCRETE SIDEWALK 4" THICK SQ. YD.	UNTREAT. BASE COURSE 1" MAX. TON	Total EXC FOR STRUCT CU. YD.	CONCRETE SIDEWALK 7" THICK SQ. YD.	CONC. WATER-WAY 7" THICK LIN. FT.	CONSTRUCTION SOURCE REFERENCE FIELD BOOK	PAGE
42ND STREET													
16+74–18+50	LT.												
17+03.5–17+47.8	LT.	147.7	127.8							21.16			
18+42.2–18+92.2	LT.			44.3	46.15					23.06			
56+43.4–64+61.5	LT.			53.8	44.52								
16+78.5–18+98.7	RT. LT.		893.3			107.17	72.65						
36th STREET													
155+45–160+80	LT.	460.5	460.1		14.50	2.70	21.25			6.39			
156+10.1	LT.			24.5				Various	Various				
156+57.3–160+80	RT.	132.3	415.7				159.60			46.22	47.8		
159+44.3	LT.			45.0									
161+73–164+73	LT.	389.8	360.1							6.33	46.4		
159+97.2	RT.			44.3									
① 151+13.5–157+73.1	LT.										37.5		
TOTAL		1130.3	2257.0	211.9	105.17	109.87	253.50	3050.69	466.1	93.16	131.7		
USED		1130.3	2257.0	211.9	105.17	109.87	253.50	3050.6	466.1	93.16	131.7		
FIELD BOOK		9	6	6	9	9	6			6	6		
PAGE		7-19	80	72-76	9-18	8-17	80			80	72-75		

* TRANSFERRED TO SURFACING

I Hereby Certify The Above Quantities To Be Correct. Larry R. Durrant 2-11-75
Project Engineer

NO	BY	DATE	TYPE	REMARKS
①	R.D.E.	5-22-73		Added new item

REVISIONS

UTAH STATE DEPARTMENT OF HIGHWAYS
DIST ONE - OGDEN UTAH
ROADWAY DESIGN

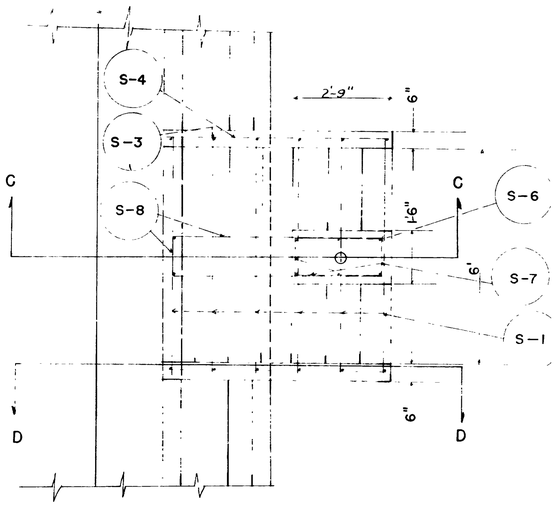
42nd STREET & 36th STREET
OGDEN
SUMMARY SHEET

DESIGN B.H.S. — CHECK B.P.W.
DRAWN B.P.W. — CHECK B.H.S.
QUANT. L.M.B. — CHECK B.H.S.
REVIEW — DESIGN B.E. 5-9-73 — R/W

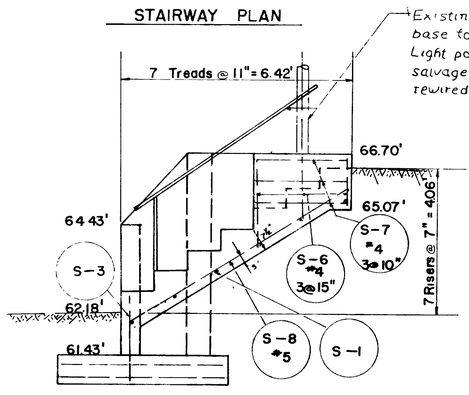
APPROVAL RECOMM. 5/1/73 (signature) PROJ. DESIGN ENGINEER
APPROVED 5/1/73 (signature) DIST. PRECONSTRUCTION ENGR.

WEBER COUNTY

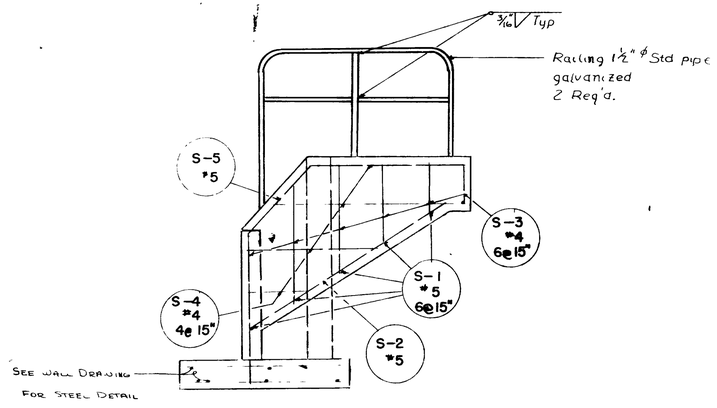
PROJECT NUMBER T-2001 (5) — SHEET NO. 3A



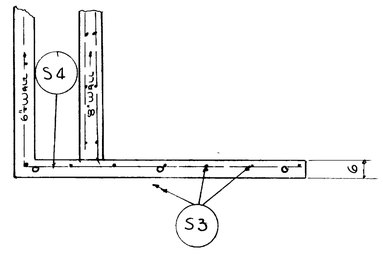
STAIRWAY PLAN



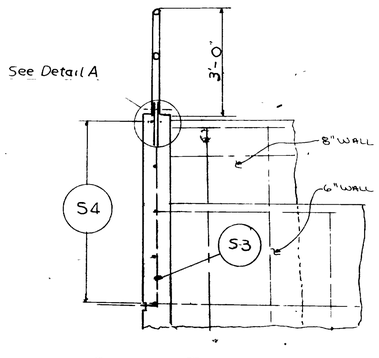
SECTION C—C



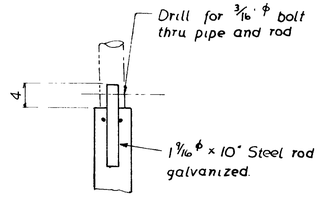
SECTION D—D



PLAN



TYP SECTION THRU WALL



Rail Attachment and Plate, Bolt & Nut

DETAIL 'A'

MARK	LOCATION	SIZE NO.	NO BARS	L'GTH	TOTAL LENGTH	SKETCH
S-1	STAIRWAY	5	6	6'6"	39'-6"	
S-2		5	2	7'-6"	14'-0"	
S-3		4	4	1'-1"	4'-4"	
		4	2	1'-4"	2'-8"	
		4	2	2'-2"	4'-4"	
		4	2	3'-0"	6'-0"	
		4	2	3'-4"	6'-8"	
		4	2	4'-3"	8'-6"	
S-4		4	2	1'-8"	3'-4"	
		4	2	3' 8"	7'-4"	
		4	2	5'-4"	10'-8"	
		4	2	4'-4"	8'-8"	
S-5		5	2	2'-7"	5'-2"	
S-6		4	2	1'-3"	2'-6"	
		4	2	1'-8"	3'-4"	
		4	2	2'-5"	4'-10"	
S-7		4	3	6'-6"	19'-6"	
S-8		5	1	16'-2"	16'-2"	
	STAIRWAY SUB TOTAL	#4			92'-7"	
		#5			74'-10"	

MARK	LOCATION	SIZE NO.	NO. BARS	LGTH	TOTAL LENGTH	SKETCH
W-1	WALL	4	5	202'-8"	1013'-4"	
W-2		5	78	3'-6"	273'.0"	
W-3		4	1	51'-9"	51'-9"	
		4	1	162'-7"	162'-7"	
			1	178'-0"	178'-0"	
			1	178'-0"	178'-0"	
W-4		6	59	6'-10"	403'-2"	2'-11" 3'-11"
W-5		4	2	183'-9"	337'-6"	
W-6		4	78	3'-4"	260'-0"	2'-4" 10"
W-7		4	2	201'-8"	403'-4"	
W-8		4	34	4'-5"	150'-9"	
		4	24	5'-5"	130'-1"	
W-9		5	78	6'-10"	533'-0"	2'11" 5'11"
W-10		4	135	5'-6"	756'-0"	5'6" 2'5"
W-12		6	34	4'-5"	150'-3"	
		6	24	5'-5"	130'-1"	
W-13	WALL	4	2	2'-3"	4'-6"	
W-14	see S-3					
	SUB TOTAL	4			3625'-10	
		5			806'-0	
		6			683'-6	

#4— 3718.5' X 0.668#/FT = 2484.0#
#5— 880.8 X 1.043#/FT.= 918.7#
#6— 683.5' X 1.502#/FT.= 1026.6#

QUANTITIES		
ITEM	QUANTITY	UNIT
EXCAVATION FOR STRUCTURES		CU. YD.
CLASS "A" CONCRETE (AE)	65.07 *	CU. YD.
REINFORCING STEEL	4,429.30	LBS.
STRUCTURAL STEEL	162	LBS.

* NOT FOR PAYMENT PURPOSES — PAYMENT QUANTITY EQUALS 57.000 YD³ (ORIGINAL RETAINING WALL DESIGN QUANTITY.)

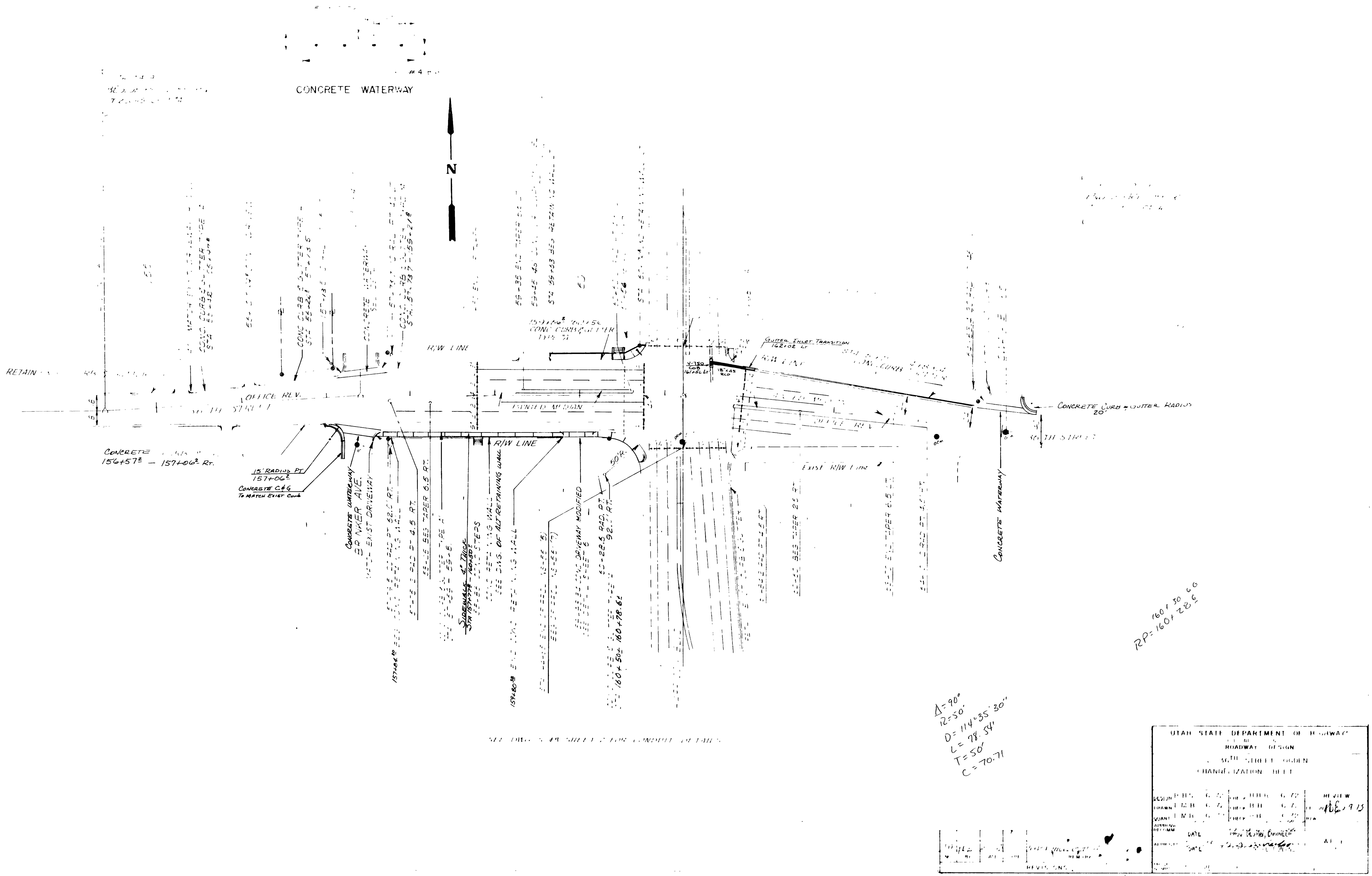
NO	BY	DATE	TYPE	REMARKS

REVISIONS

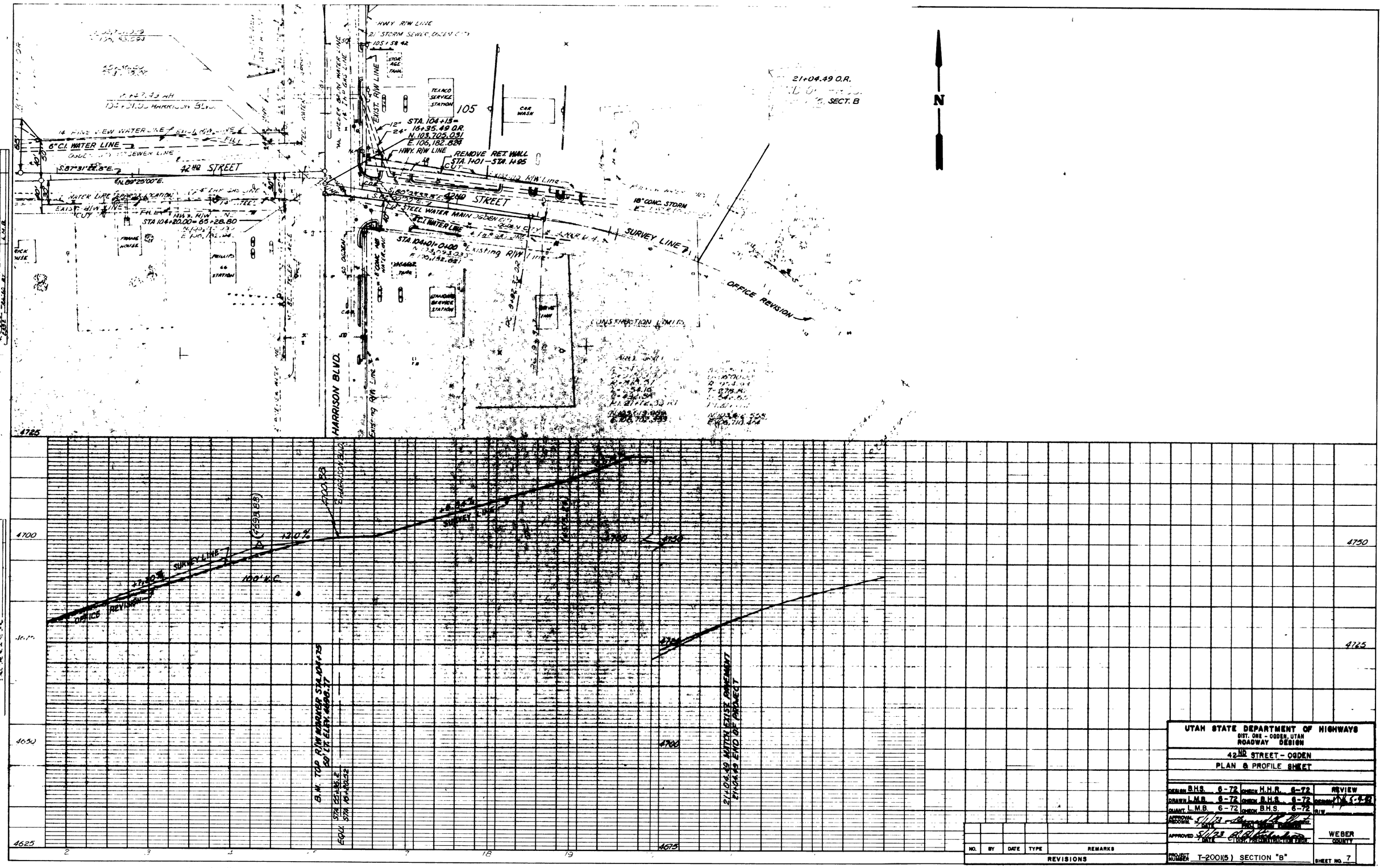
UTAH STATE DEPARTMENT OF HIGHWAYS
DIST ONE - OGDEN, UTAH
ROADWAY DESIGN

ALTERNATE RETAINING WALL AT 36th STREET LOCATED FROM STATIONS 157+84.20 TO 159+80.38

DESIGN RLR 3-29-14	CHECK JRB 3-29-14	REVIEW	
DRAWN DBK 3-29-14	CHECK JRB 3-29-14	DESIGN	
QUANT.	CHECK	R/W	
APPROVAL RECOMM. DATE	PROJ. DESIGN ENGINEER		
APPROVED 8 Apr 14 DATE	DIST. PRECONSTRUCTION ENGR.	WEBER COUNTY	
PROJECT NUMBER T-2001(5)		SHEET NO 3A	


CONCRETE WATERWAY
N
R/W LINE
OFFICE REV.
PAINTED MEDIAN
Gutter Inlet Transition 162+02 Lt
CONCRETE CURB & GUTTER RADIUS 20'
Exist R/W Line
Concrete Waterway
CONCRETE 156+57± – 157+06± Rt.
15' RADIUS PT 157+06±
CONCRETE C&G To Match Exist Curb
Concrete Waterway
BRINKER AVE.
Sidewalk 4" Thick
50'R.
160+50± 160+78.6±
Δ=90°
R=50'
D=114°35'30"
L=78.54'
T=50'
C=70.71
160+30.66
RP=160+28.5
UTAH STATE DEPARTMENT OF HIGHWAYS
ROADWAY DESIGN
36TH STREET OGDEN
REVISIONS


PLAN
SURVEYED SHERM BURTON & LARRY DURRANT
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
TRACED BY L.M.B.
NOTE BOOK NO. 21692 23321
Exist. R/W Line
SURVEY LINE
6" WATER LINE SO. OGDEN CITY
14" WATER LINE SO. OGDEN CITY
SECT. "B"
6" C.I. WATER LINE
STA 104+20.00 = 65+28.80 O.R.
STA 104+13- 10+35.49 O.R.
REMOVE RET. WALL STA ... STA ...95
4" C.I. WATER LINE
HARRISON BLVD.
PROFILE
4725
4700
4675
4650
4625
+3.94%
100' V.C.
OFFICE REV.
+0.84%
SURVEY LINE
B.M. TOP R/W MARKER STA. 104+75 50' LT. ELEV. 4698.77
EQU. STA 65+36.2 STA 16+20.52
(EL. 4653.10)
NO. BY DATE TYPE REMARKS
REVISIONS
UTAH STATE DEPARTMENT OF HIGHWAYS
ROADWAY DESIGN
42ND STREET OGDEN
PLAN & PROFILE SHEET
DESIGN BHS 6 72
DRAWN LMB 6 72
QUANT LMB
CHECK HHR 6 72
CHECK BHS 6 72
REVIEW
APPROVAL RECOMM
DATE
PROJ. DESIGN ENGINEER
APPROVED
DATE
WEBER COUNTY
PROJECT NUMBER
SECTION "B"
SHEET NO.



NO.	BY	DATE	TYPE	REMARKS
REVISIONS				

UTAH STATE DEPARTMENT OF HIGHWAYS
DIST. ONE - OGDEN, UTAH
ROADWAY DESIGN

42ND STREET - OGDEN
PLAN & PROFILE SHEET

DESIGN B.H.S. 6-72	CHECK H.H.R. 6-72	REVIEW
DRAWN L.M.B. 6-72	CHECK B.H.S. 6-72	DESIGN
QUANT. L.M.B. 6-72	CHECK B.H.S. 6-72	R/W
APPROVED 5/1/73 DATE	PROJECT DEVELOPMENT ENGR.	
APPROVED 5/1/73 DATE	CONSTR. RECONSTRUCTION ENGR.	WEBER COUNTY
PROJECT NUMBER	T-2001(5) SECTION "B"	SHEET NO. 7

STA. 54+94.67
BEG. OF PROJECT
T-2001(5) SECT. "B"
P.C. 54+94.67 O.R.
MATCH EXIST. PAVEMENT
N
42 ND STREET
OFFICE REVISION
STA. 104+20.00=
65+28.80
PAINTED MEDIAN
R/W LINE
Exist R/W Line
HARRISON BLVD.
STORM SEWER K
30" RCP CL-4
CATCH BASIN
MANHOLE No. 19
STA. 0+70
STA. 104+13.00=
16+35.49
EXIST. C.O.B.
SIDEWALK 4" THICK
12"x 18" C.S.P.
INLET GUTTER TRANSITION
SEE DETAIL 2
20' RAD.
MATCH EXIST. CURB & GUTTER
MATCH EXIST. PAVEMENT
COUNTRY HILLS DRIVE
STA. 21+00
END OF PROJECT
T-2001(5) SECT. "B"
PT 24+34.95 O.R.
60+70 END & BEG. OF TAPER 6.5' RT.
60+83 18' PAVED APPROACH RT.
61+06 12' PAVED APPROACH RT.
62+65 12' PAVED APPROACH RT.
63+55 16' PAVED APPROACH RT
18+15 BEG. OF TAPER 2' RT.
P.C. 18+92.30 O.R.
20+45 2' RAD. PT. ON ℄
+10 END OF TAPER 2.5' LT.
PT. 61+54.75 O.R.
EXIST. MANHOLE STA. 0+00 NEW LINE TIED TO EXIST. MANHOLE
OFFICE REVISION CENTER LINE 42 ND. ST.
Exist R/W
REMOVED ISLAND
EXIST. BY RDWAY EXC.
CONC. CURB & GUTTER TYPE "A"
R/W LINE
5' RAD.
20' RAD.
2' RAD.
STA. 64+70.00 57' LT.
Exist. R/W Line
E.O.
DETAIL 1
TEXACO DRIVEWAY
17+44± BEG. CONC. RETAINING WALL
STA 18+31± END CONC. RETAINING WALL
CONC. SIDEWALK
EXIST. R/W LINE
CURB & GUTTER TYPE "A"
OFFICE REVISION CENTER LINE 42ND. STREET
DETAIL 2
UTAH STATE DEPARTMENT OF HIGHWAYS
DIST. ONE - OGDEN, UTAH
ROADWAY DESIGN
42 ND. STREET - OGDEN
CHANNELIZATION SHEET
DESIGN B.H.S. 6-72 CHECK H.H.K. 6-72
DRAWN L.M.B. 6-72 CHECK B.H.S. 6-72
QUANT. L.M.B. 6-72 CHECK B.H.S. 6-72
WEBER COUNTY
T-2001(5) SECTION "B"
SHEET NO. 8
REVISIONS
NO. BY DATE TYPE REMARKS