

FOR INDEX OF PLAN SHEETS, SEE SHEET NO. 2
OF 49 SHEETS

FOR LIST OF HIGHWAY STANDARDS
SEE SHEET NO. 2 OF 49 SHEETS

DESIGN INFORMATION

3R GUIDELINES
FUNCTIONAL CLASS: RURAL COLLECTOR
DESIGN SPEED - 50 M.P.H.
A.D.T. 500
DESIGN YEAR 2036
A.D.T. IN PROJECT DURING CONSTRUCTION < 100

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123

CONTRACT NO. 95780

SHELBY CO HWY DEPT
1590 STATE HWY 16
SHELBYVILLE IL 62565
217-774-2721



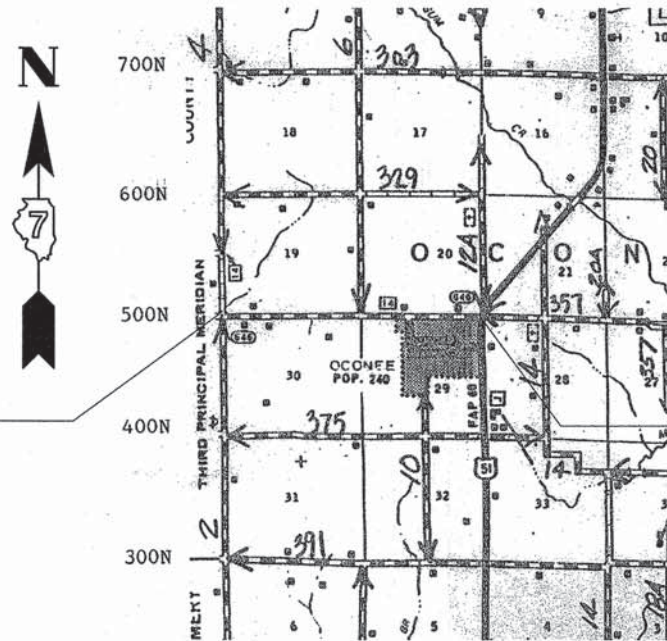
STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

**PLANS FOR PROPOSED
SURFACE TRANSPORTATION
PROGRAM RURAL**

SHELBY COUNTY
SECTION 05-00262-00-RS
PROJECT NO. RS 0646 (108)
ROUTE : F.A.S. 646 (CH-14 OCONEE ROAD)
JOB NUMBER C-97-054-15



BEGIN PROJECT
STA 26 + 50

END PROJECT
STA 138 + 10.30

PROJECT LOCATION MAP

11,160.3 FEET = 2.11 MILES = NET LENGTH OF SECTION

PLANS PREPARED BY:

S. Alan Spesard 2-11-2016
S. ALAN SPESARD, COUNTY ENGINEER
ILLINOIS PROFESSIONAL ENGINEER 062-052965
EXPIRES 11-30-17

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	***	SHELBY	49	1
*** 05-00262-00-RS				
** F.A.S. 646 (CH-14)				



APPROVED 2-11 20 16

S. Alan Spesard
COUNTY ENGINEER

PASSED 3/29 20 16

Maureen O'Connell
DISTRICT SEVEN ENGINEER OF
LOCAL ROADS AND STREETS

RELEASING FOR
BID BASED ON
LIMITED REVIEW 3/29 20 16

Jeffrey M. Smith
REGION FOUR ENGINEER
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	QUANTITY
20100500	TREE REMOVAL, ACRES	ACRE	1.7
20200100	EARTH EXCAVATION	CU YD	826
20200500	EARTH EXCAVATION (WIDENING)	CU YD	1078
20400100	BORROW EXCAVATION	CU YD	10667
20800150	TRENCH BACKFILL	CU YD	13
25000200	SEEDING, CLASS 2	ACRE	5.9
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	531
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	531
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	531
25100115	MULCH, METHOD 2	ACRE	5.9
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	1180
28000305	TEMPORARY DITCH CHECKS	FOOT	296
28000500	INLET AND PIPE PROTECTION	EACH	21
35100100	AGGREGATE BASE COURSE, TYPE A	TON	2664
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	338
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	165
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	183
40603315	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	TON	57
42000300	PORTLAND CEMENT CONCRETE PAVEMENT 8"	SQ YD	320
42000301	PORTLAND CEMENT CONCRETE PAVEMENT 8" (JOINTED)	SQ YD	1059
48100100	AGGREGATE SHOULDERS, TYPE A	TON	3027
54001001	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	2
54011202	PRECAST CONCRETE BOX CULVERTS 12' X 2'	FOOT	44
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	3
54214503	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 18"	EACH	2
54215550	METAL END SECTIONS 15"	EACH	2
542A0229	PIPE CULVERTS, CLASS A, TYPE 1 24"	FOOT	80
542A5473	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 18"	FOOT	32
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	158
542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	198
542D0229	PIPE CULVERTS, CLASS D, TYPE 1 24"	FOOT	152
542D0241	PIPE CULVERTS, CLASS D, TYPE 1 36"	FOOT	60
542D0253	PIPE CULVERTS, CLASS D, TYPE 1 48"	FOOT	50
542D5470	PIPE CULVERTS, CLASS D, TYPE 1 EQUIVALENT ROUND-SIZE 15"	FOOT	102
542D5473	PIPE CULVERTS, CLASS D, TYPE 1 EQUIVALENT ROUND-SIZE 18"	FOOT	32
550B0070	STORM SEWERS, CLASS B, TYPE 1 15"	FOOT	208
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	233
66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	2
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	6
67100100	MOBILIZATION	L SUM	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	7
70300100	SHORT TERM PAVMENT MARKING	FOOT	1114
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	368
△ 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	26704
△ 78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	16
△ 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	139
Z0010700	COLD MILLING	SQ YD	26339
Z0023602	GRANULAR CULVERT BACKFILL	CU YD	31
Z0070200	SURVEY MONUMENTS	EACH	3
X0324058	OUTLET SPECIAL	EACH	4
X2830495	AGGREGATE DITCH (SPECIAL)	TON	128
X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	42
XX007371	PORTLAND CEMENT CONCRETE PAVEMENT, FURNISHED	CU YD	4311
XX008374	PORTLAND CEMENT CONCRETE PAVEMENT, 5 1/2" PLACEMENT	SQ YD	26522
XX127400	PAVEMENT REMOVAL AND REPLACEMENT (SPECIAL)	TON	1164

△ SPECIALTY ITEMS

INDEX OF PLANS

COVER SHEET.....	1
SUMMARY OF QUANTITIES, INDEX OF PAGES, AND HIGHWAY STANDARDS.....	2
GENERAL NOTES, RATES OF APPLICATION.....	3
TYPICAL CROSS SECTIONS.....	4-5
BUTT JOINT DETAILS & HMA TAPER DETAIL.....	6
SIDEROAD DETAILS.....	7
PRIVATE AND FIELD ENTRANCE DETAILS.....	8
SURVEY MONUMENTS.....	9
CONTRACTION JOINTS AND PAVING DETAILS.....	10
BOX CULVERT DETAILS.....	11
CONCRETE COLLAR DETAILS.....	12
INTERSECTION DETAILS.....	13
GUTTER OUTLET DETAILS.....	14
SCHEDULES.....	15-16
PLAN PROFILE SHEETS.....	17-35
CROSS SECTION SHEETS.....	36-49

HIGHWAY STANDARDS

STANDARD NUMBER	STANDARD NAME
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-08	PAVEMENT JOINTS
420101-05	24'(7.2m) JOINTED PCC PAVEMENT
420601-06	24'(7.2m) PCC PAVEMENT
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
542306-03	PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION
542401-02	METAL END SECTIONS FOR PIPE CULVERTS
606001-06	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
666001-01	RIGHT OF WAY MARKERS
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15'(4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701901-05	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
B.L.R. 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

SHELBY COUNTY

CONTRACT NO.				
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	05-00262-00-RS	SHELBY	49	3

F.A.S. 646 (CH -14) Contract No. 95780

UTILITIES

THE ONLY UTILITIES KNOWN TO BE ON THIS PROJECT ARE AS FOLLOWS:

TELEPHONE: FRONTIER COMMUNICATIONS (**)(***)
117 WEST JEFFERSON STREET
MT. PULASKI ILLINOIS 62548
217-792-5772

GAS: AMEREN OF ILLINOIS (**)
711 SOUTH 9TH STRRET
MATTOON ILLINOIS 61938

POWER: SHELBY ELECTRIC CO-OP (**)
NORTH ILLINOIS ROUTE 128
P.O. BOX 560
SHELBYVILLE ILLINOIS 62565
217-774-3986

POWER: AMEREN OF ILLINOIS (**)(***)
420N 2400 EAST ROAD
PANA, ILLINOIS 62557

WATER E.J. WATER CO-OP (**)(***)
P.O. BOX 336
DIETERICH ILLINOIS

(**) J.U.L.I.E. MEMBER
(***) RELOCATION DURING CONSTRUCTION
JOINT UTILITY INFORMATION CALL, 1-800-892--123

RATES OF APPLICATION

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES.

AGGREGATE SHOULDERS 2.10 TONS/CU.YD.

AGGREGATE SURFACE COURSE 2.10 TONS/CU.YD.

AGGREGATE BASE COURSE TYPE A 2.10 TONS/CU.YD.

FERTILIZER NUTRIENT = 90.0 POUNDS OF NUT. / ACRE

MULCH, METHOD 2 = 2.0 TON / ACRE

TEMPORARY EROSION SEEDING = 200.0 POUND / ACRE

BENCH MARK INDEX

NO.	DESCRIPTION	ELEVATION
BM 1	CHISELED SQUARE TOP N.E. WINGWALL OF BRIDGE AT SHELBY/MONTGOMERY COUNTY LINE	643.26
BM 2	RAILROAD SPIKE IN POWER POLE STA. 32+97, 33' LT.	661.76
BM 3	RAILROAD SPIKE IN POWER POLE STA. 42+98, 38' LT.	661.45
BM 4	RAILROAD SPIKE IN POWER POLE STA. 59+95, 41' LT.	664.21
BM 5	RAILROAD SPIKE IN POWER POLE STA. 73+55, 40' LT.	678.33
BM 6	RAILROAD SPIKE IN POWER POLE STA. 84+95, 45' LT.	681.98
BM 7	CHISELED SQUARE IN TOP OF CONC. HDWL, STA. 104+90, 18' LT.	680.82
BM 8	RAILROAD SPIKE IN POWER POLE STA. 112+75, 25' LT.	670.08
BM 9	RAILROAD SPIKE IN POWER POLE STA. 128+90, 40' LT.	676.46
BM 10	RAILROAD SPIKE IN POWER POLE STA. 137+50, 33' RT.	677.59

HMA Surface Mix

Application: Hot-Mix Asphalt Surface Course, Mix "C" N70
PG Grade: PG 64-22
Design Air Voids: 4.0% @ Ndesign = 70
Mixture Composition: IL-9.5
Friction Aggregate: Mixture C

GENERAL NOTES

WHEREVER IN THE PLANS OR SPECIFICATIONS THE TERM STANDARD SPECIFICATIONS IS USED, IT SHALL BE UNDERSTOOD BY THE CONTRACTOR TO MEAN THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AS PREPARED BY THE DEPARTMENT OF TRANSPORTATION OF THE STATE OF ILLINOIS AND ADOPTED JANUARY 1, 2016.

ALL ELEVATIONS SHOWN ARE IN REFERENCE TO THE U.S.G.S. DATUM.

WHERE SECTION, SUB-SECTION MARKERS, OR U.S. ARMY CORPS OF ENGINEER MARKERS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE DEPARTMENT AND AUTHORIZED AGENT OR LAND SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.

ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS SHALL BE INTERPRETED TO BE THE LATEST STANDARDS OF THE DEPARTMENT AS SHOWN ON THE SCHEDULE OF THE STANDARD DRAWINGS ON THE COVER SHEET.

FOR THE SUGGESTED SEQUENCE OF OPERATIONS SEE THE CONTRACT SPECIAL PROVISIONS.

EXISTING ROAD SIGNS THAT CONFLICT WITH CONSTRUCTION OPERATIONS SHALL BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER, THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE CONTRACT PAY ITEMS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED THE CONTRACTOR.

EXCEPT WHERE DESIGNATED OTHERWISE, THE LOCATIONS AND/OR DEPTHS OF UNDERGROUND UTILITIES SHOWN HAVE BEEN TAKEN FROM INFORMATION FURNISHED BY THE UTILITY OWNERS & MUST BE CONSIDERED APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES. CONTACT J.U.L.I.E., PHONE 800-892-0123, AND ALL UTILITY COMPANIES PRIOR TO DIGGING.

THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES 48 HOURS PRIOR TO EXCAVATION OPERATIONS.

UTILITY COMPANIES MAY BE ADJUSTING THEIR FACILITIES AT THE TIME OF CONSTRUCTION OF THIS PROJECT. THE CONTRACTOR SHALL COOPERATE WITH THESE ORGANIZATIONS WHILE THEY PERFORM THEIR WORK.

GRADING SHALL BE DONE BY HAND AROUND LIGHT POLES, UTILITY POLES, SIGN POSTS, SHRUBS, TREES, OR OTHER NATURAL OR MANMADE OBJECTS WHERE SHALLOW FILLS OR CUTS ARE ADJACENT TO THESE ITEMS. IT IS THE INTENT THAT THE LIMITS OF CONSTRUCTION BE SUCH TO PRESERVE IN THE ORIGINAL STATE AS MUCH AREA OF TEMPORARY EASEMENT AS POSSIBLE. THE DECISION AS TO ITEMS TO REMAIN IN PLACE SHALL BE DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

EARTH STOCK PILES SHALL BE TEMPORARILY SEEDED IF THEY ARE TO REMAIN UNUSED FOR MORE THAN 14 DAYS.

TEMPORARY EROSION CONTROL MEASURES ARE TO BE IMPLEMENTED AS SHOWN IN THE EROSION CONTROL PLAN AND AS DIRECTED BY THE ENGINEER.

SEEDING SHALL BE DONE ON ALL AREAS THAT ARE DISTURBED BY CONSTRUCTION OPERATIONS AS DIRECTED BY THE ENGINEER. SEEDING SHALL BE PAID FOR ONLY WITHIN THE PROPOSED RIGHT-OF-WAY OR EASEMENT LIMITS. ALL AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE PROPOSED CONSTRUCTION LIMIT SHALL BE SEEDED AS DIRECTED BY THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.

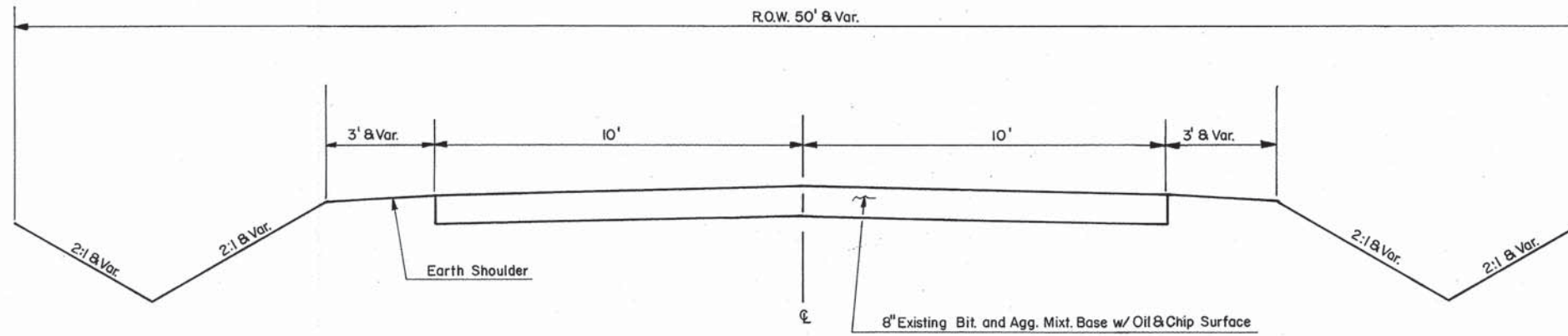
THE CONTRACTOR SHALL CONSULT WITH THE ENGINEER IN REGARD TO THE EXACT LENGTHS OF PIPE CULVERTS PRIOR TO ORDER

ALL STREET RETURNS SHALL HAVE RADII MEASURED TO THE EDGE OF THE PAVEMENT UNLESS OTHERS WISE NOTED ON THE PLANS.

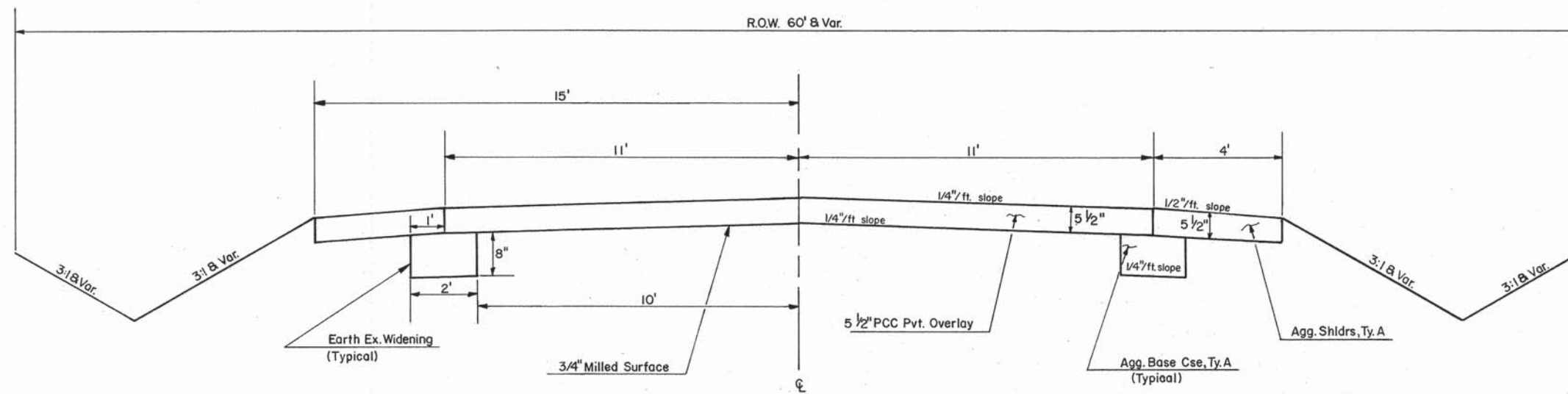
ACCESS TO ALL ENTERANCES SHALL BE MAINTAINED AT ALL TIMES DURING THE CONSTRUCTION OF THIS SECTION.

THE CONTRACTOR SHALL NOTIFY THE SHELBY COUNTY HIGHWAY DEPARTMENT RESIDENT ENGINEER AND THE COUNTY ENGINEER 72 HOURS IN ADVANCE OF CONSTRUCTION WORK.

SHELBY COUNTY



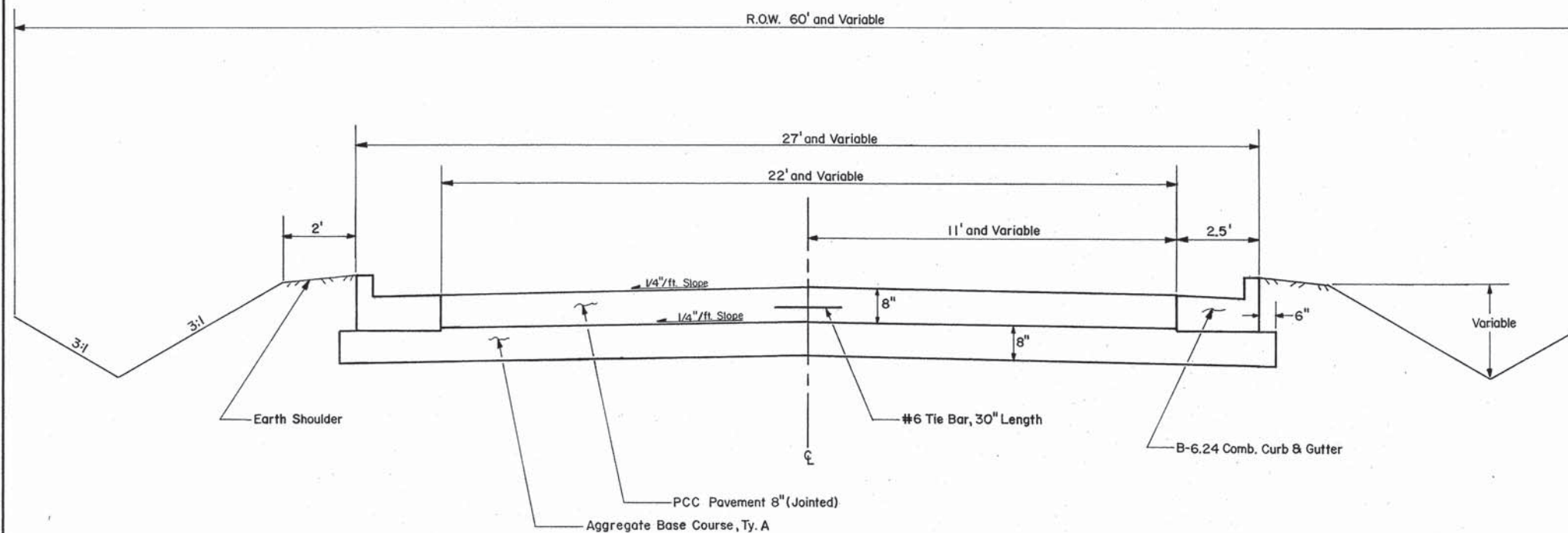
EXISTING TYPICAL SECTION



PROPOSED TYPICAL SECTION

Station 26+50 to Station 135+00

TYPICAL SECTIONS		
SCALE:	APPROVED BY:	DRAWN BY:
DATE:		REVISED:
		DRAWING NUMBER:

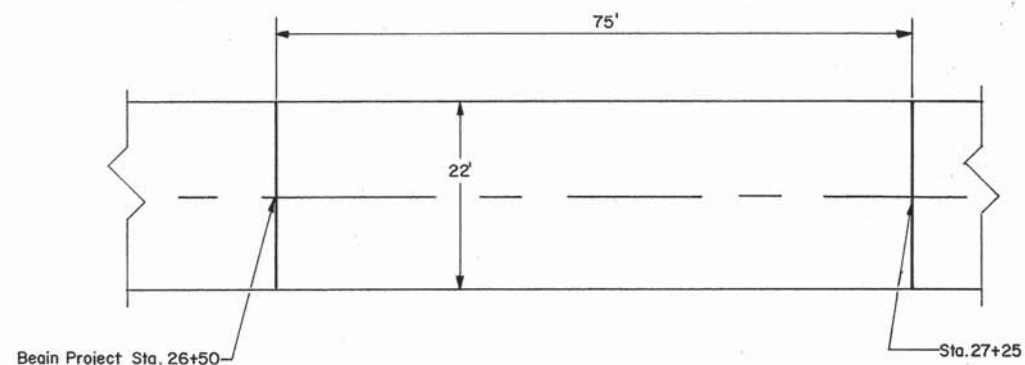


PROPOSED TYPICAL SECTION

Station 135+00 to Station 137+97

TYPICAL SECTIONS			
SCALE: N/A	APPROVED BY:	DRAWN BY:	
DATE:		REVISED:	
			DRAWING NUMBER

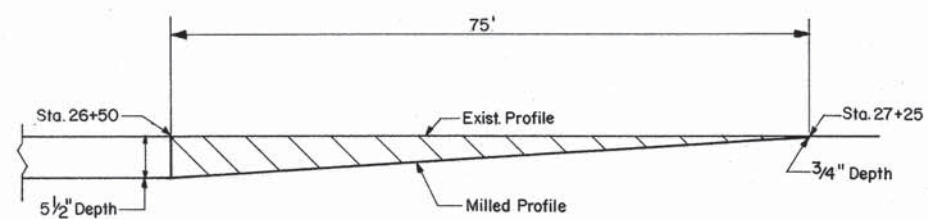
PROPOSED BUTT JOINT



PLAN

PROPOSED TYPICAL BUTT JOINT

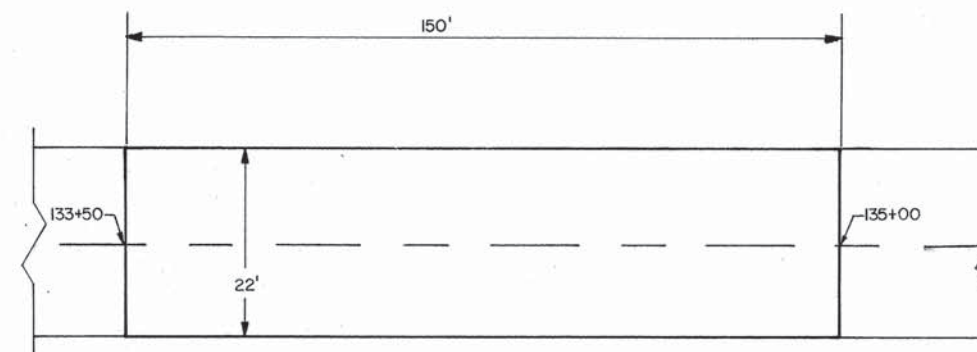
Sta. 26+50 to Sta. 27+25, Quantity = 183 Sq.Yd.



 = Milled Area

PROFILE

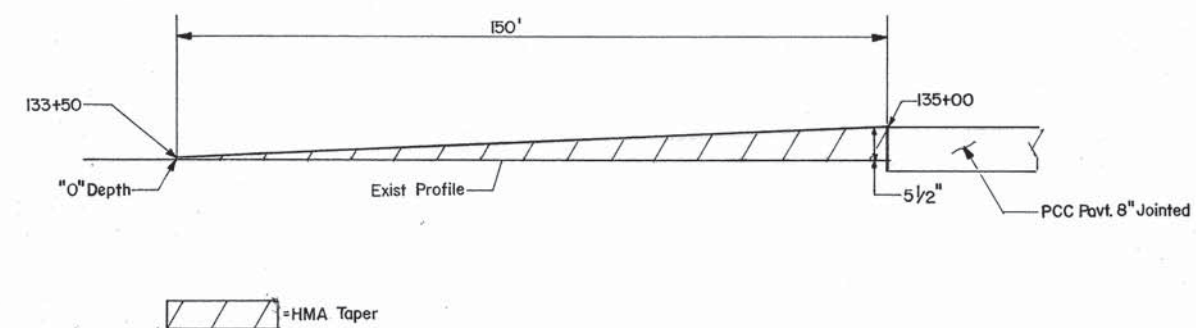
HMA TAPER DETAIL



PLAN

PROPOSED TYPICAL HMA TAPER

Sta. 133+50 to Sta. 135+00
HMA Surf. Cse. "C" N70 = 57 Tons
Bit. Matl. Pr. Ct = 165 Pounds

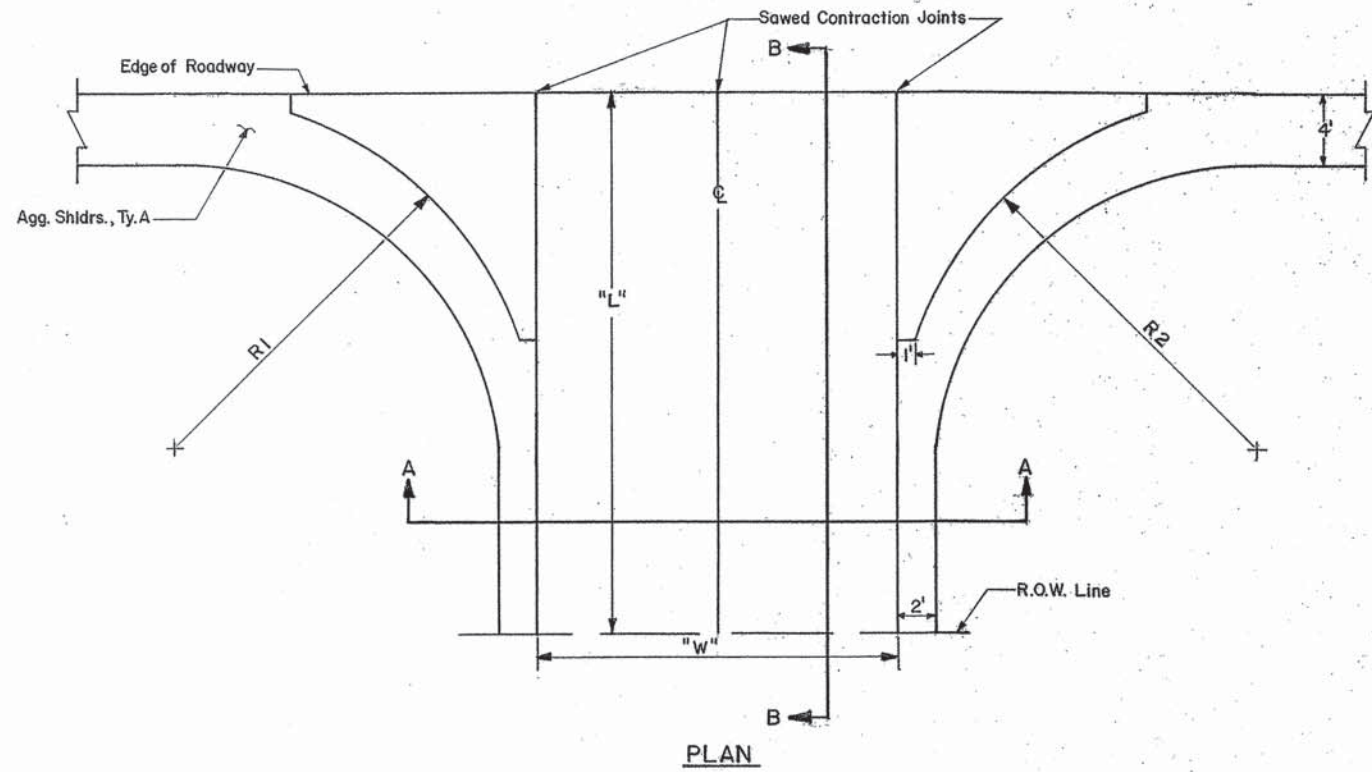


PROFILE

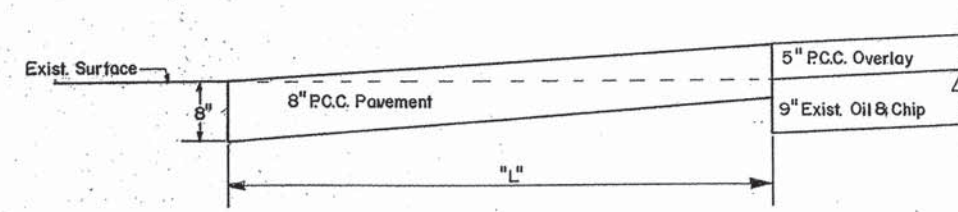
BUTT JOINT & HMA TAPER DETAILS

SCALE:	APPROVED BY:	DRAWN BY:
DATE:		REVISED:
		DRAWING NUMBER:

PROPOSED TYPICAL SIDEROAD



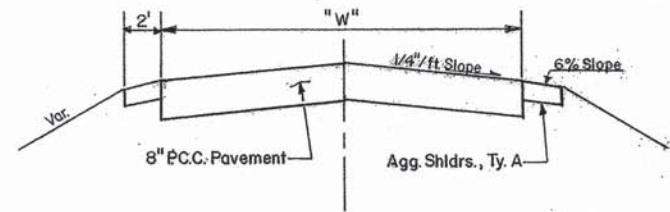
PLAN



SECTION B-B

SIDE ROAD SCHEDULE

STATION	O/S	TYPE	PCC PVT.-8" (SQ. YD)	AGG. SHOULDER (TON)	WIDTH "W"	LENGTH "L"	RADIUS "R"	RADIUS "R2"
85+24	LT	S.R.	103	8	18	30	30	30
105+04	RT	S.R.	84	7.0	24	20	30	20
112+62	RT	S.R.	64	6.0	20	20	20	20
118+49	RT	S.R.	69	6.0	18	25	20	20
TOTALS =			320	27				



SECTION A-A

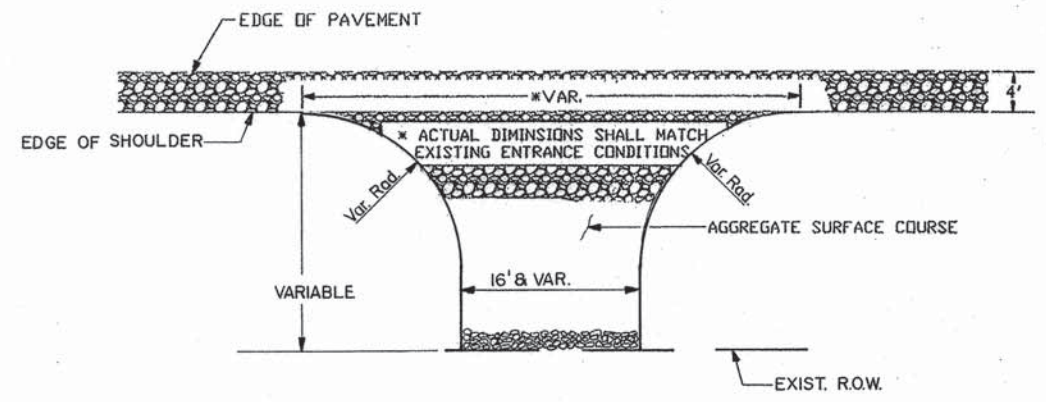
SHELBY COUNTY
SIDE ROAD
DETAILS

CONTRACT NO.				
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	05-00262-00-RS	SHELBY	49	8

F.A.S. 646 (CH -14)

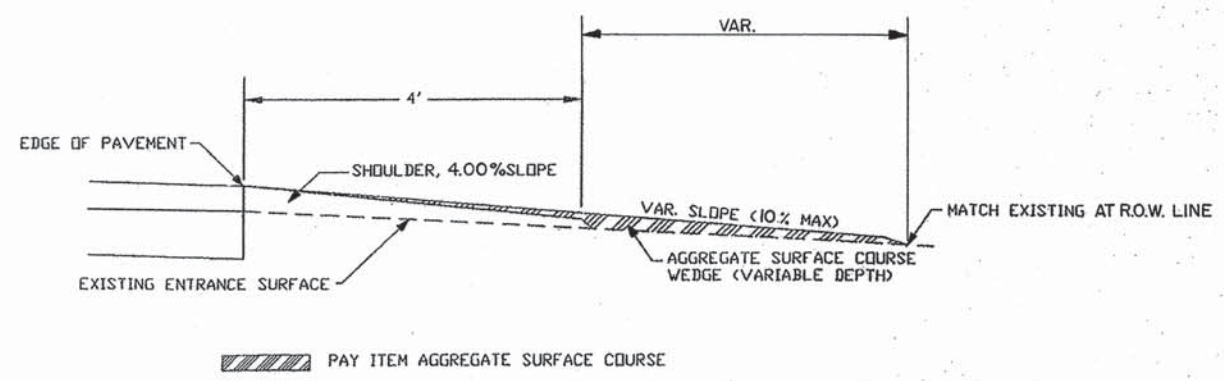
Contract No. 95780

AGGREGATE ENTRANCE DETAIL

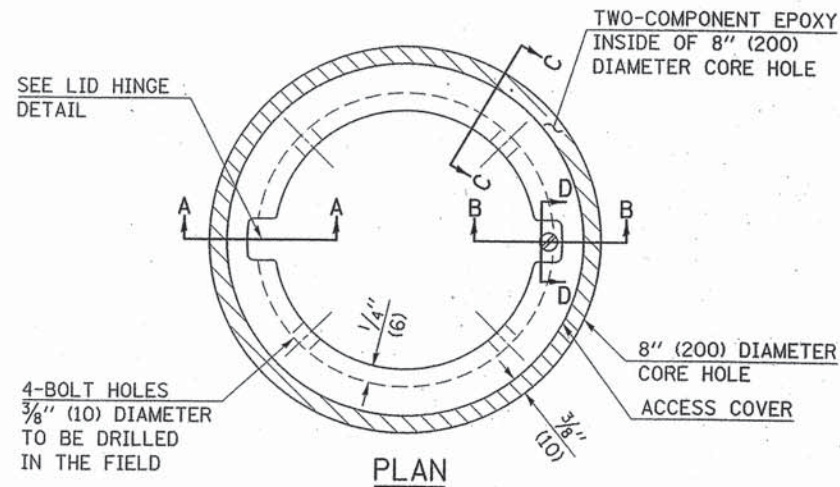


ENTRANCE SCHEDULE				
STA	O/S	L	W	AGG SURF CSE TY B (TON)
FE 32+56	RT	29'	20'	14
PE 33+55	RT	29'	12'	10
FE 38+61	RT	29'	22'	16
FE 40+42	LT	29'	16'	12
FE 42+45	LT	29'	22'	16
PE 45+26	RT	29'	16'	12
FE 52+02	LT	29'	20'	15
FE 58+88	LT	29'	16'	12
PE 70+81	RT	29'	20'	16
FE 71+92	LT	29'	40'	29
FE 85+28	RT	29'	16'	12
FE 98+23	LT	29'	20'	15
FE 100+19	RT	29'	20'	15
FE 102+25	LT	19'	32'	16
PE 103+60	RT	12'	16'	6
PE 105+09	LT	19'	30'	15
PE 108+79	RT	29'	15'	12
PE 109+17	LT	19'	30'	15
PE 110+22	RT	29'	24'	18
PE 112+57	LT	19'	20'	10
PE 114+80	LT	19'	20'	10
CE 122+28	RT	19'	24'	12
FE 124+73	LT	22'	16'	10
PE 127+42	LT	23'	14'	10
PE 131+52	RT	21'	16'	10
				338 TONS

AGGREGATE ENTRANCE CROSS-SECTION



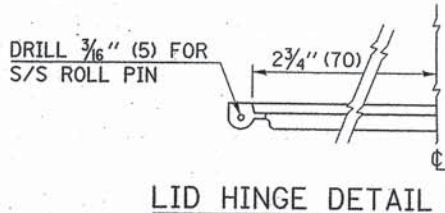
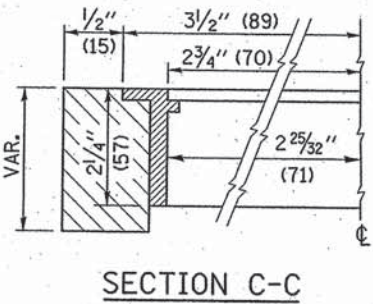
SHELBY COUNTY
ENTRANCE
DETAILS



- LEGEND**
- ALUMINUM CASTING
 - 5" (125) OR 6" (150) P.V.C. PIPE
 - TWO-COMPONENT EPOXY
- T = THICKNESS OF PAVEMENT STRUCTURE
H = THE THICKNESS OF THE SUB-BASE GRANULAR + 1" (25)

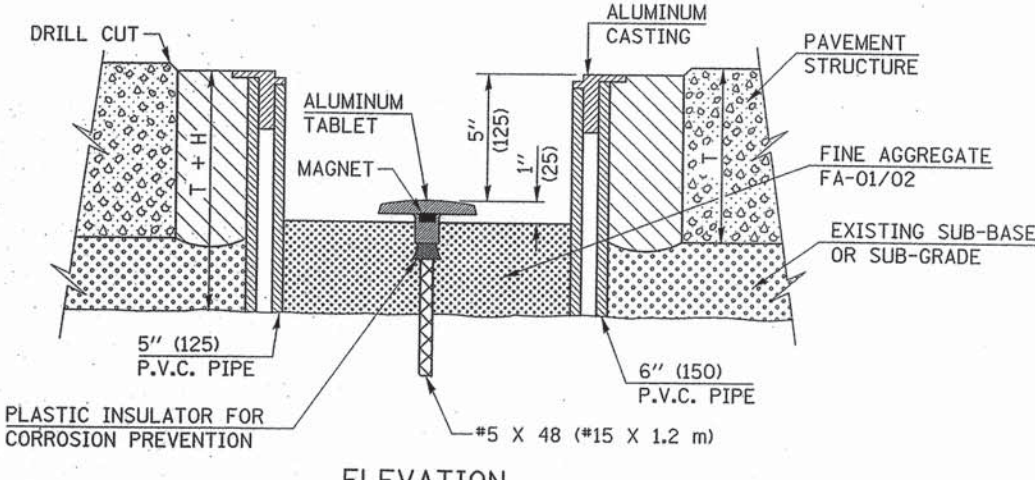
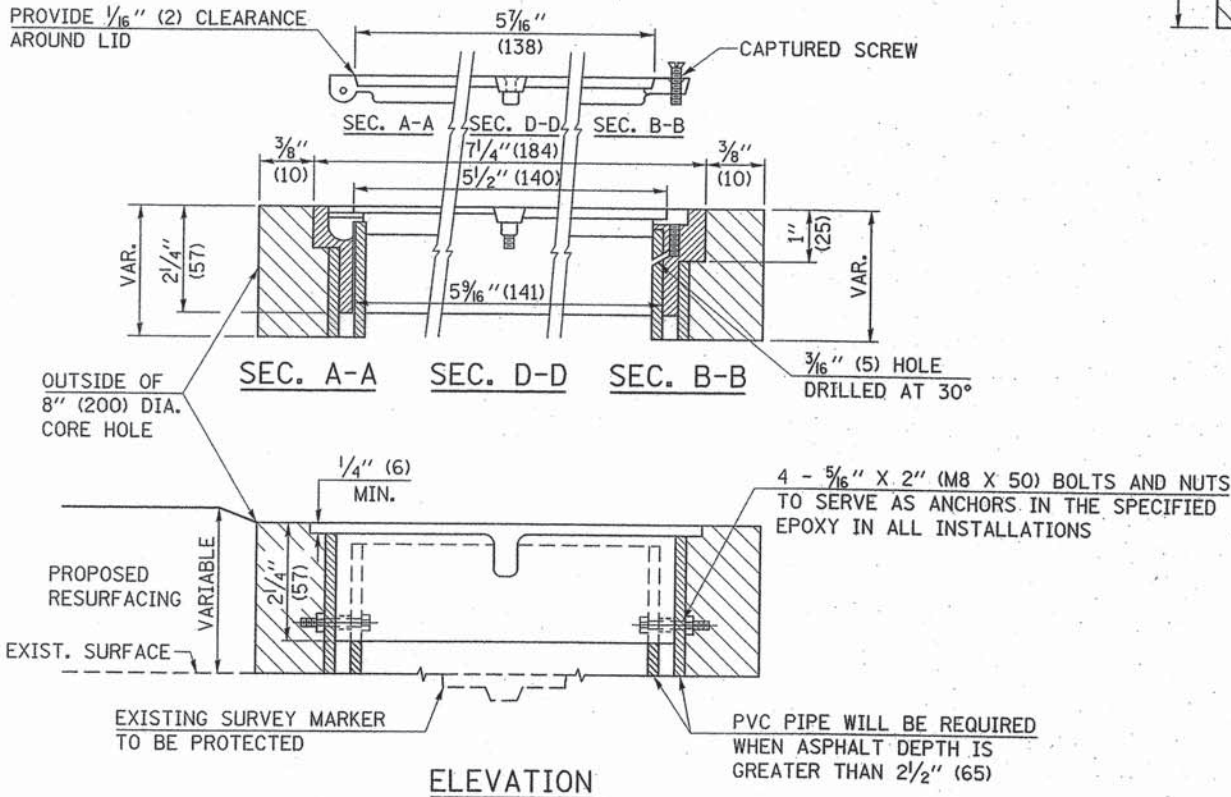
BILL OF MATERIAL

ALUMINUM CASTING OF THE DIMENSIONS AND SPECIFICATIONS SHOWN OR OTHER SUBJECT TO ENGINEER'S APPROVAL OF SHOP DRAWINGS, 4 EACH - 5/16" X 2" (M8 X 50) BOLTS WITH NUTS, EPOXY, 5" OR 6" (125 mm OR 150 mm) DIAMETER P.V.C. PIPE, SCHEDULE 40 (WHEN REQUIRED).



SURVEY MONUMENTS

STATION	OFFSET
58+75.33	0.55' RT
85+16.92	2.52' RT
111+69.84	0.72' LT



EXISTING SURVEY MARKER

PROPOSED SURVEY MARKER

NOT TO SCALE
Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = steffennk	DESIGNED -	REVISED - MAD 6-11
c:\pw_work\pwsdot\stefannk\d0125064\Z078202.dgn		DRAWN -	REVISED -
	PLOT SCALE = 2,000' / in.	CHECKED -	REVISED -
	PLOT DATE = 8/16/2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SURVEY MONUMENTS

SCALE: SHEET NO. OF SHEETS STA. TO STA.

DISTRICT 7 DETAIL NO. Z0070202

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	05-00262-00-RS	Shelby	49	9

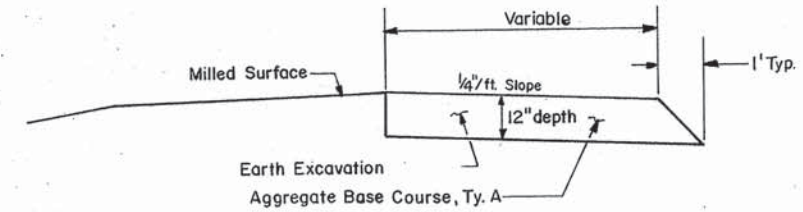
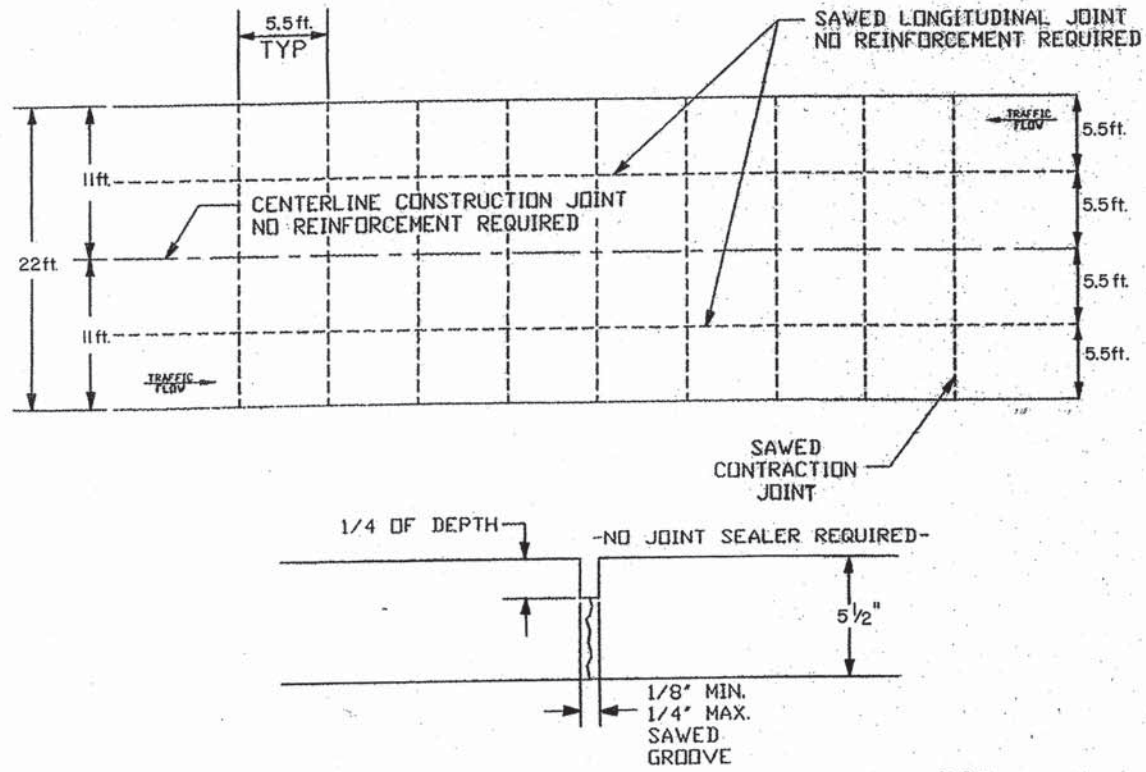
CONTRACT NO. 95780
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT

CONTRACT NO.				
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	05-00262-00-RS	SHELBY	49	10
* F.A.S. 646 (CH -14)				

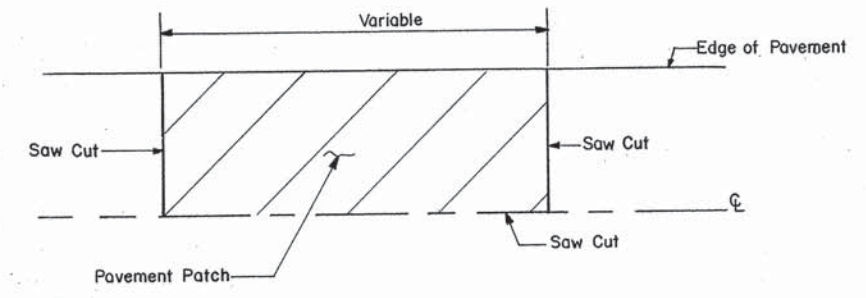
Contract No. 95780

PAVEMENT REMOVAL & REPLACEMENT (SPL.)

CONTRACTION / CONSTRUCTION JOINTS
STA. 26+50 TO STA. 135+00



Typical Cross Section

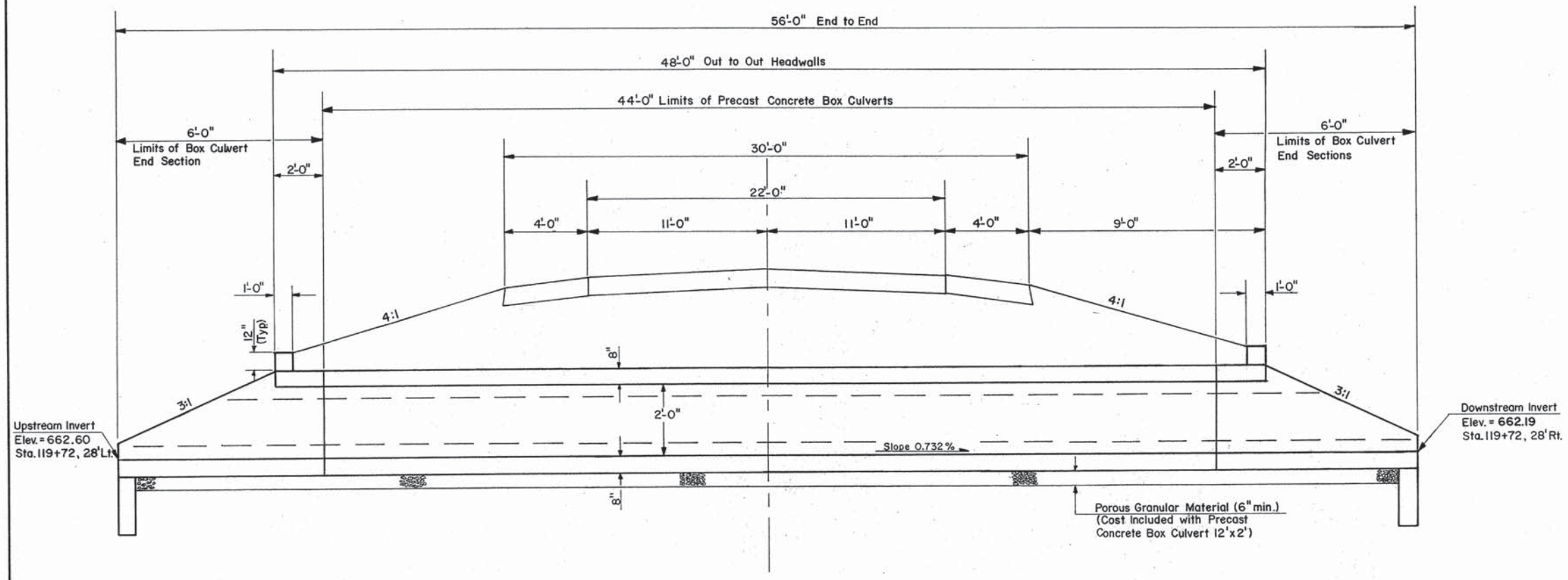


Plan View

PAVEMENT REMOVAL & REPLACEMENT (SPECIAL)				
STA - STA	LANE	SAW CUTS (FOOT)	AGG BASE TY A (TONS)	EARTH EX SPECIAL (C.Y.)
52+82 - 53+27	E.B.	65'	34	17
69+01 - 70+34	E.B.	153'	100	50
83+49 - 84+69	E.B. & W.B.	40'	178	89
86+99 - 90+76	E.B.	397'	280	140
113+52 - 118+49	E.B.	517'	368	184
108+34 - 109+59	E.B.	145'	92	46
98+69 - 100+19	W.B.	170'	112	56
TOTALS =		1487 FT	1164 TONS	582 C.Y.

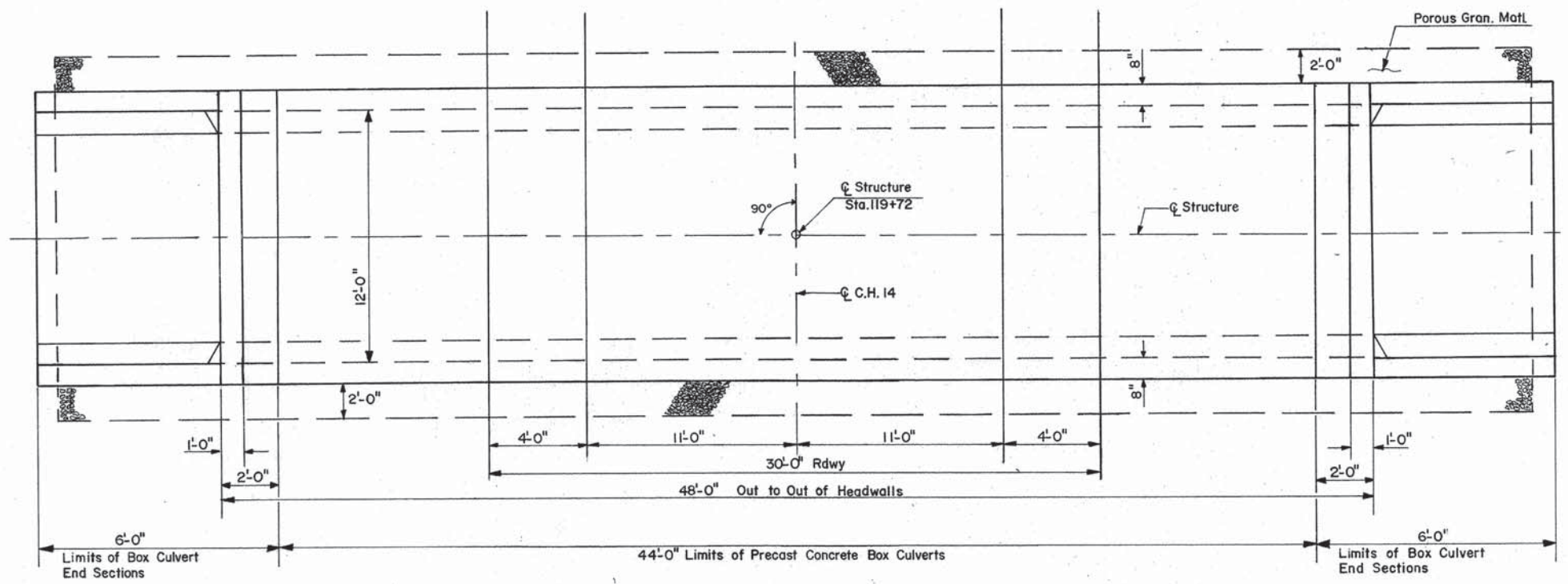
SHELBY COUNTY
CONSTRUCTION/CONTRACTION JOINTS
PAVT. REM. & REPL. (SPL.)

NOTE: Precast Box Culvert Shall Conform With ASTM C1577



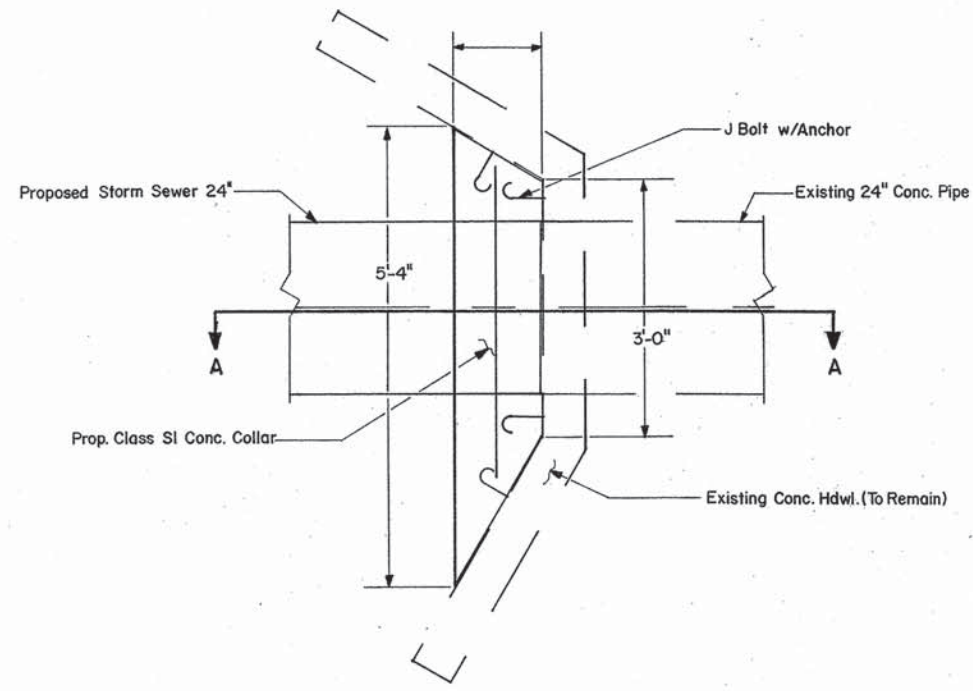
LONGITUDINAL SECTION
(Looking East)

BILL OF MATERIALS	
ITEM	QUANTITY
Precast Box Culvert 12'x2'	44 Feet
Box Culvert End Sections	2 Each
Granular Culvert Backfill	31 Cu.Yd.



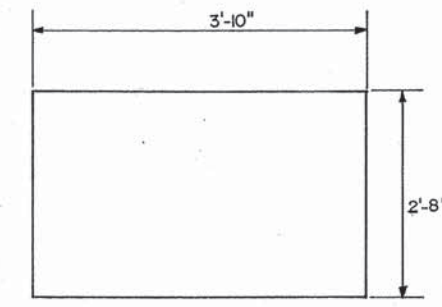
PLAN

PRECAST CONCRETE BOX CULVERT		
SCALE:	APPROVED BY:	DRAWN BY:
DATE:		REVISED:
		DRAWING NUMBER:

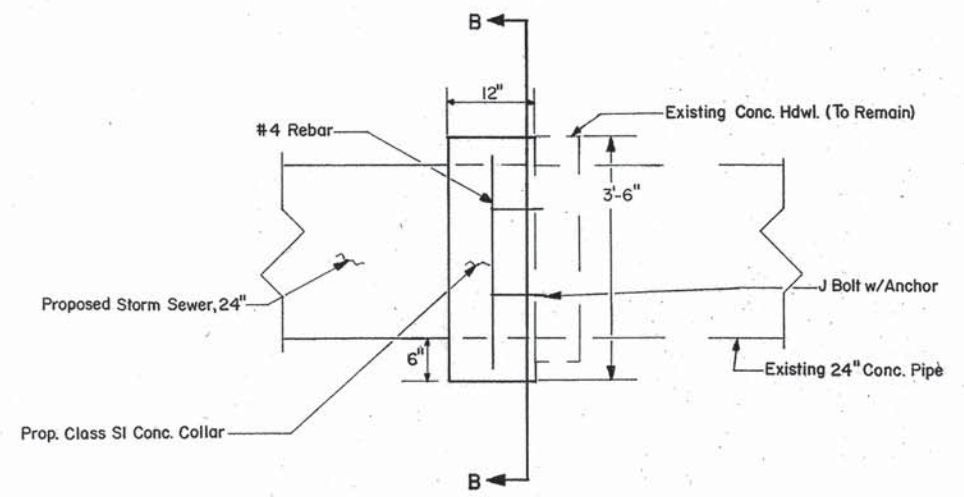


PLAN

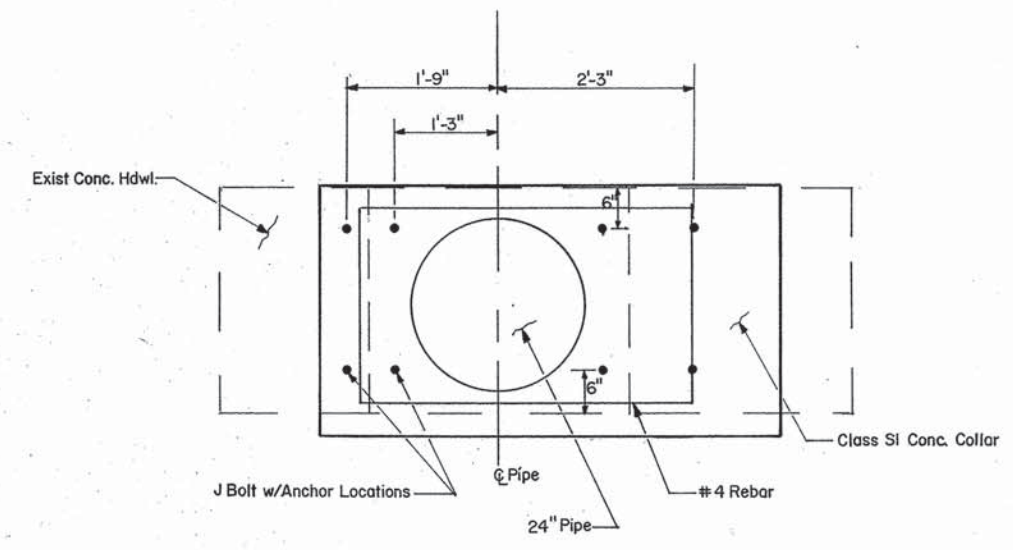
CONCRETE COLLAR BILL OF MATERIAL	
CLASS SI CONC	0.5 YD ³
REINFORCEMENT BAR	9 POUND
J BOLTS	8 EACH



No. 4 REBAR DETAIL



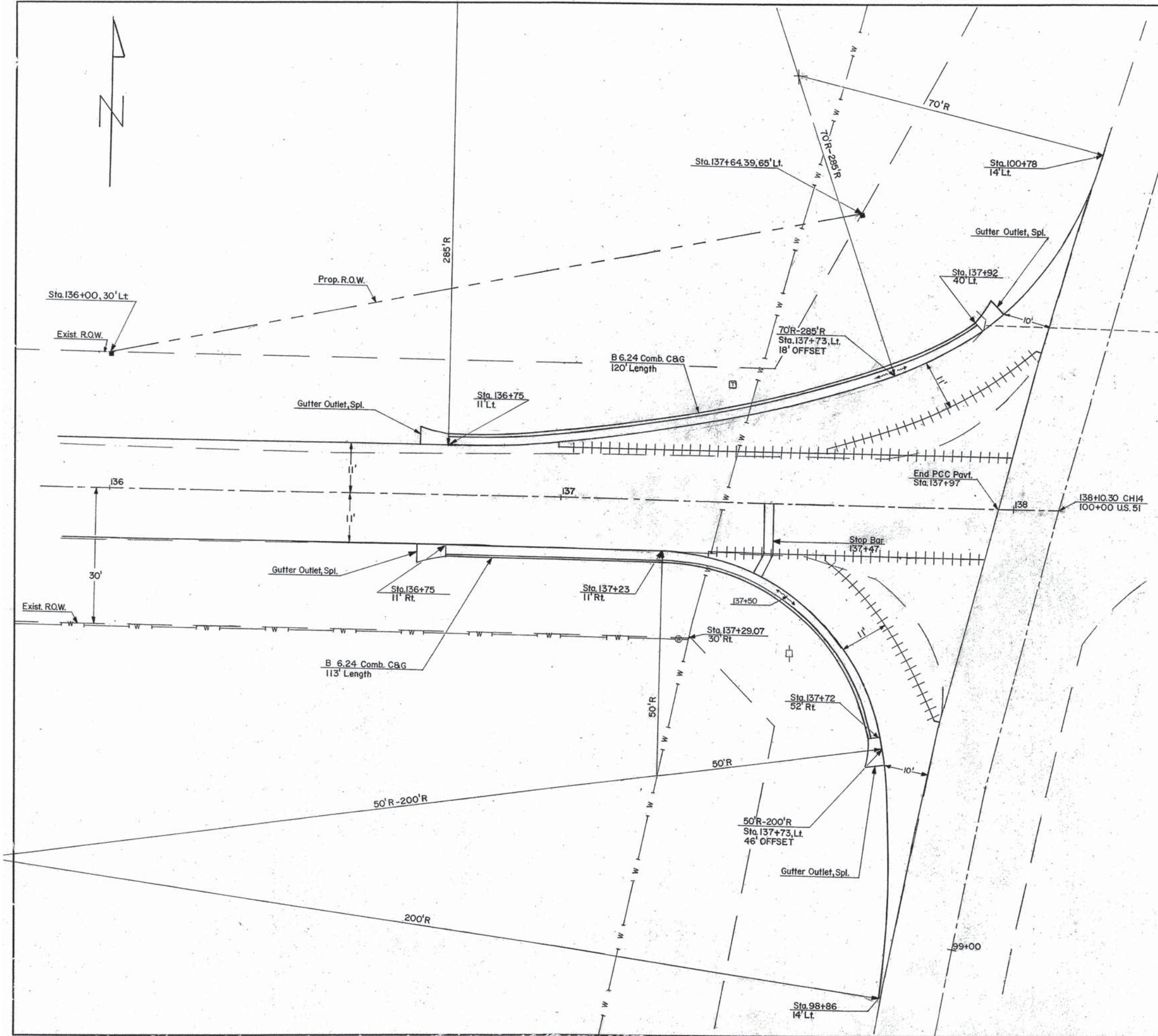
SECTION A-A



SECTION B-B

CONCRETE PIPE COLLAR DETAILS			
SCALE:	APPROVED BY:	DRAWN BY:	
DATE:		REVISED:	
		DRAWING NUMBER	

STATION	LT O/S	ELEV
98+86	14'	677.24
99+37	23'	677.18
99+50	29'	677.24
100+39	23'	677.56
100+50	18'	678.20
100+78	14'	678.51



STATION	LT EOP O/S	LT ELEV	CL ELEV	RT EOP O/S	RT ELEV
135+00	11'	675.59	675.81	11'	675.59
135+25	11'	675.66	675.88	11'	675.66
135+50	11'	675.80	676.02	11'	675.80
135+75	11'	676.00	676.22	11'	676.00
136+00	11'	676.25	676.47	11'	676.25
136+25	11'	676.57	676.79	11'	676.57
136+50	11'	676.89	677.11	11'	676.89
136+75	11'	677.18	677.40	11'	677.18
137+00	12.5'	677.39	677.64	11'	677.42
137+25	16'	677.50	677.82	11.5'	677.59
137+50	21.5'	677.55	677.95	11'	677.77
137+50	11'	677.75	677.95	19'	677.65
137+72			678.02	11'	677.86
137+72			678.02	52'	677.20
137+73	11'	677.87	678.02		
137+73	29'	677.62	678.02		
137+92	40'	677.58	678.05		

Intersection Details		
SCALE: 1 in. = 10 ft.	APPROVED BY:	DRAWN BY:
DATE:		REVISED:
		DRAWING NUMBER:

PIPE CULVERT SCHEDULE

STATION	O/S	CL D, TY 1 15"	CL D, TY 1 15" E.R.S.	CL D, TY 1 18"	CL D, TY 1 18" E.R.S.	CL D, TY 1 24"	CL D, TY 1 36"	CL D, TY 1 48"	CL A, TY 1 18" E.R.S.	CL A, TY 1 24"
38+61	RT	40								
42+45	LT	44								
45+26	RT			40						
52+02	LT			40						
58+88	LT	36								
70+81	RT							50		
71+92	LT						60			
85+25	LT			40						
85+28	RT			38						
98+23	LT				32					
105+09	LT					58				
111+09	AR									40
112+57	LT		30							
112+60	RT			40						
114+80	LT		30							
118+50	RT	38								
122+28	RT		42							
124+73	LT					44				
127+42	LT					50				
135+88	AR								32	
137+67	LT									40
TOTAL =		158 FT.	102 FT.	198 FT.	32 FT.	152 FT.	60 FT.	50 FT.	32 FT.	80 FT.

STORM SEWER CL B, TY 1, 15"

STATION	O/S	QUANTITY (FT)
32+33 - 32+70	RT	34
32+72 - 33+66	RT	94
33+68 - 34+47	RT	80
TOTAL		208

TRENCH BACKFILL SCHEDULE

LOCATION	QUANTITY
AR STA 111+09	10 CY
AR 135+88	3 CY
TOTAL =	13 CY

END SECTION SCHEDULE

STATION	O/S	PRECAST FLARED END SECTION, 24"	METAL END SECTION, 15"	PRECAST FLARED END SECTION, 18" E.R.S.
32+33	RT		1	
34+47	RT		1	
111+07	RT	1		
111+12	LT	1		
135+88	RT			1
135+88	LT			1
137+47	LT	1		
TOTAL =		3 EACH	2 EACH	2 EACH

INLET AND PIPE PROTECTION SCHEDULE

STATION	O/S	QUANTITY
33+68	RT	1
38+81	RT	1
42+33	LT	1
45+46	RT	1
52+22	LT	1
59+06	LT	1
71+06	RT	1
72+12	LT	1
85+47	RT	1
85+60	LT	1
98+07	LT	1
104+80	LT	1
111+07	RT	1
112+38	RT	1
112+42	LT	1
114+64	LT	1
118+31	RT	1
122+49	RT	1
124+95	LT	1
127+67	LT	1
135+88	RT	1
TOTAL =		21 EACH

SCHEDULES

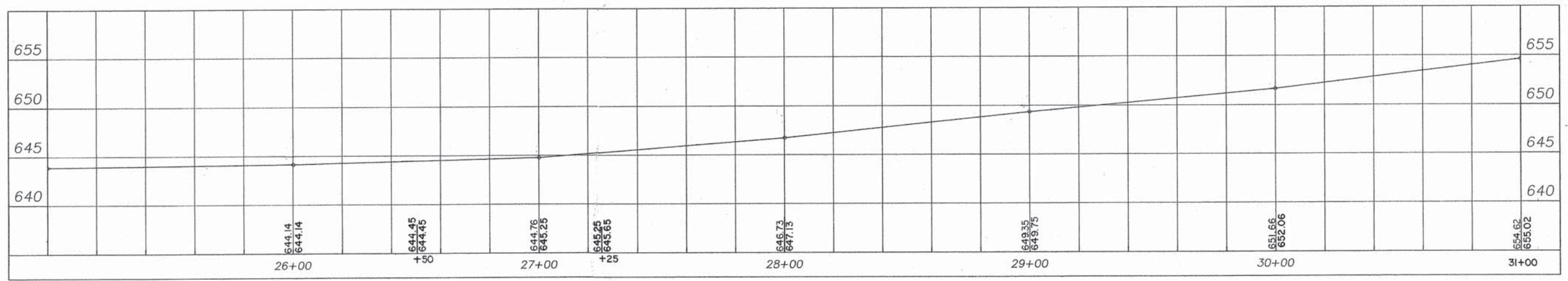
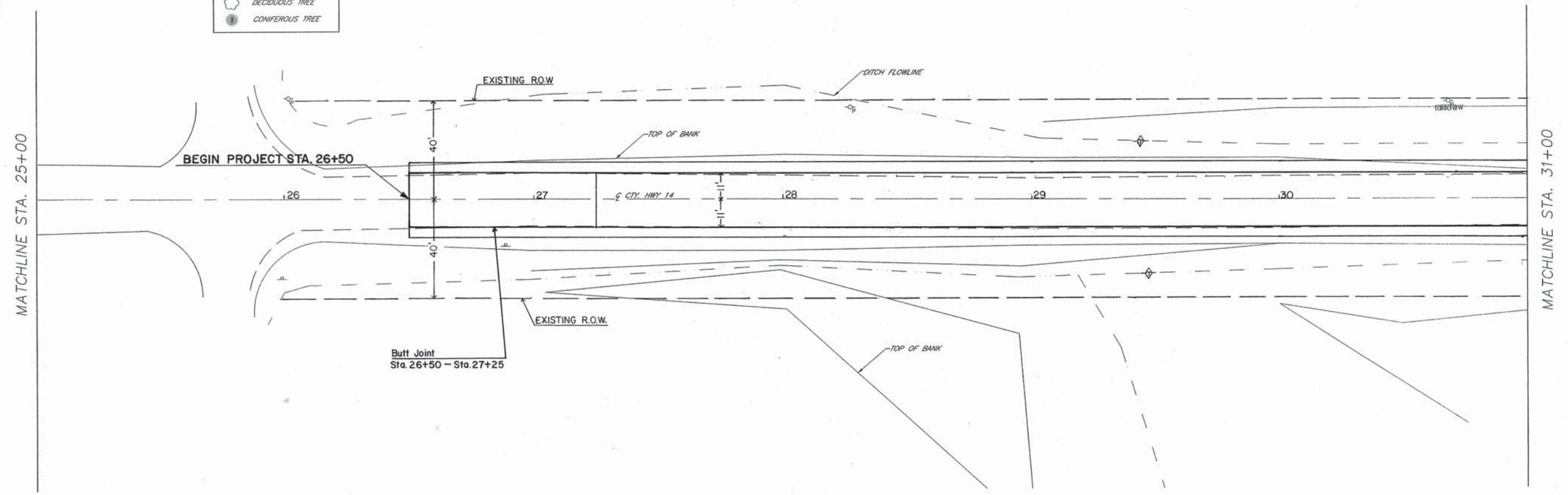
SCALE :	APPROVED BY:	DRAWN BY:
DATE :		REVISED
		DRAWING NUMBER



SCALE: 1"=20'
 0' 20' 40'

LEGEND

—	GUY WIRE
- - -	R.O.W. MARKER
□	MAILBOX
◇	SIGN
○	UTILITY POLE
□	TELEPHONE BOX
○	DECIDUOUS TREE
●	CONIFEROUS TREE

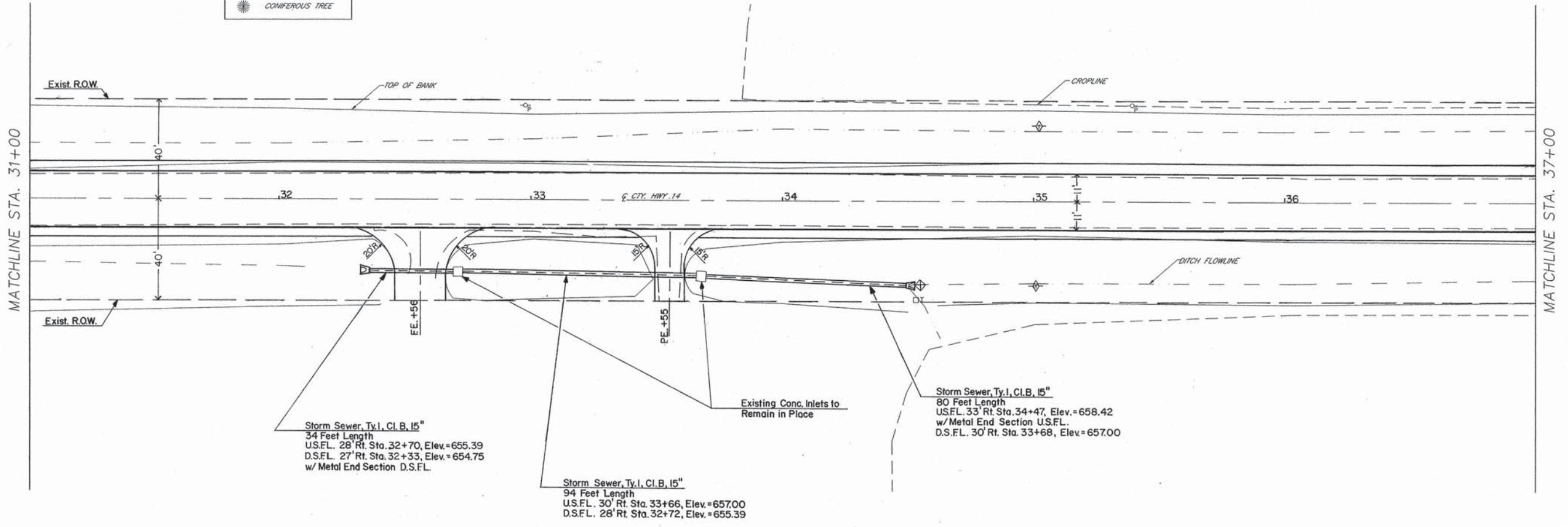




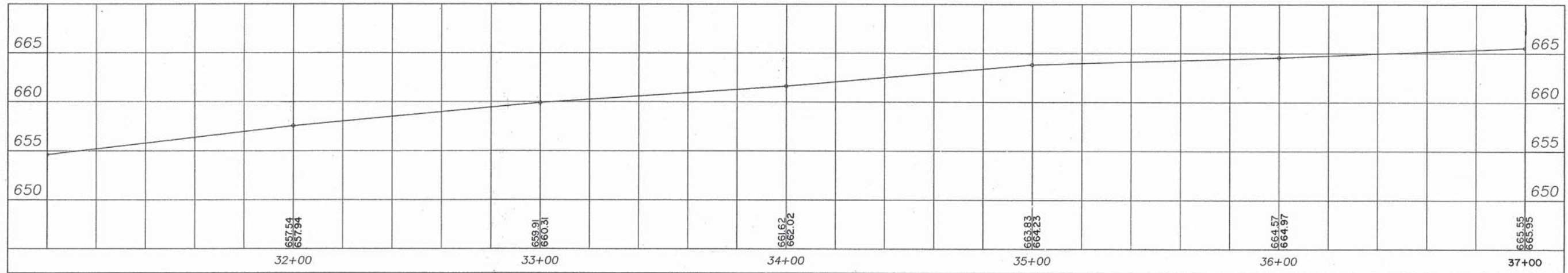
SCALE: 1"=20'
 0' 20' 40'

LEGEND

—	GUY WIRE
—	R.O.W. MARKER
—	MAILBOX
—	SIGN
—	UTILITY POLE
—	TELEPHONE BOX
—	DECIDUOUS TREE
—	CONIFEROUS TREE



NOTE: Ditch Sta. 32+33 to Sta. 34+47 Rt. Shall be Restored to the Existing Shape and Grade - See Special Provisions



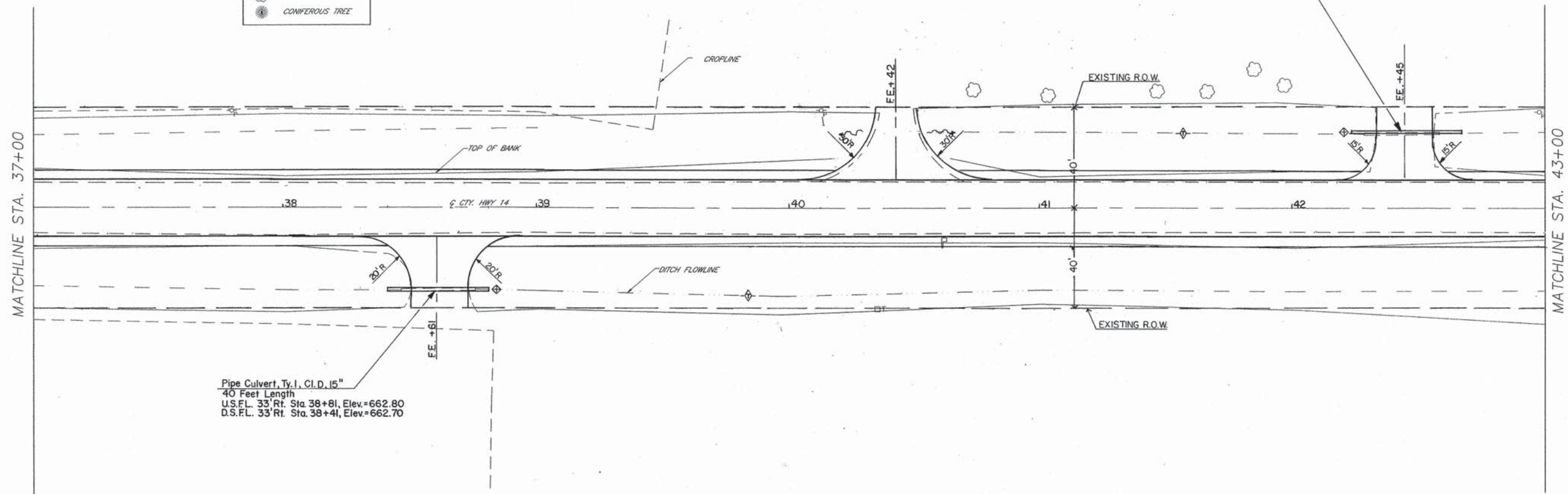


SCALE: 1"=20'



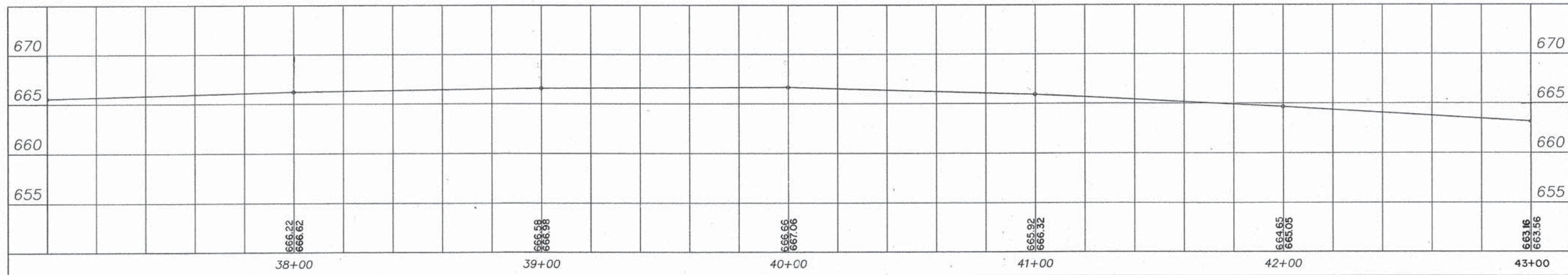
LEGEND

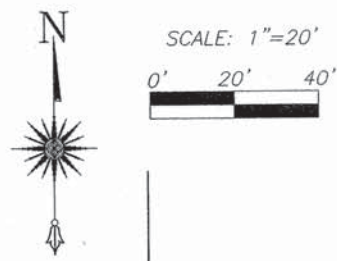
—	GUY WIRE
⊥	R.O.W. MARKER
□	MAILBOX
+	SIGN
◇	UTILITY POLE
□	TELEPHONE BOX
○	DECIDUOUS TREE
⊙	CONIFEROUS TREE



Pipe Culvert, Ty. I, C.I.D. 15"
 40 Feet Length
 U.S.F.L. 33' Rt. Sta. 38+81, Elev.=662.80
 D.S.F.L. 33' Rt. Sta. 38+41, Elev.=662.70

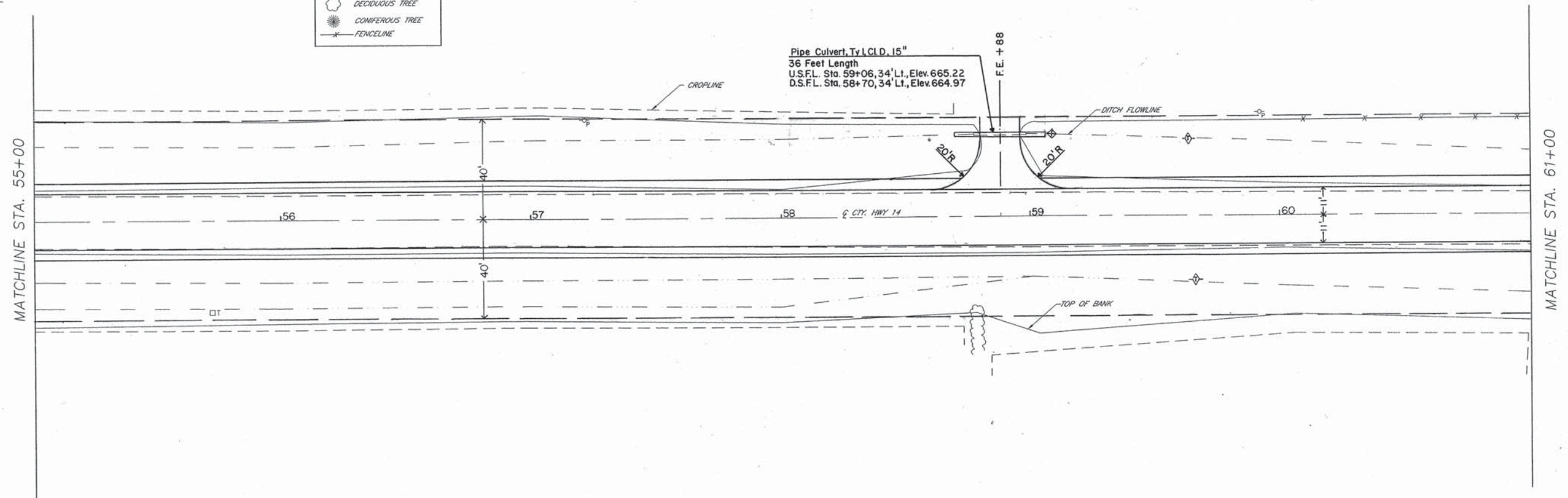
Pipe Culvert, Ty. I, C.I.D. 15"
 44 Feet Length
 U.S.F.L. 30' Lt. Sta. 42+23, Elev.=662.08
 D.S.F.L. 30' Lt. Sta. 42+67, Elev.=661.49



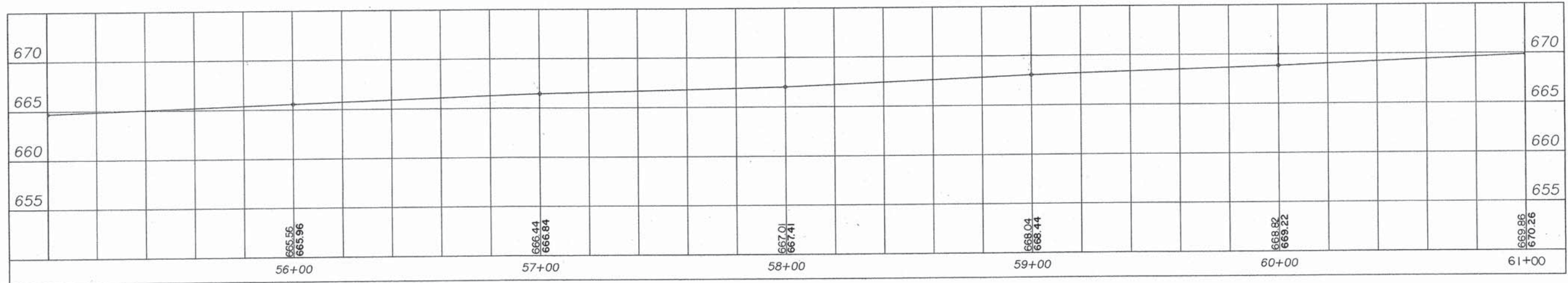


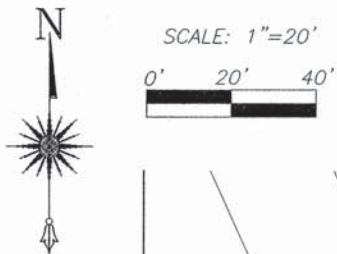
LEGEND

- GUY WIRE
- - - R.O.W. MARKER
- MAILBOX
- SIGN
- UTILITY POLE
- TELEPHONE BOX
- DECIDUOUS TREE
- CONIFEROUS TREE
- × FENCELINE

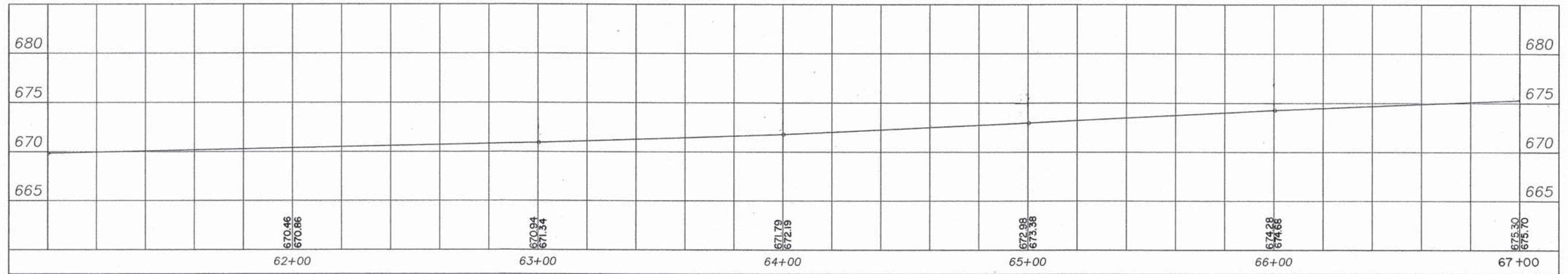
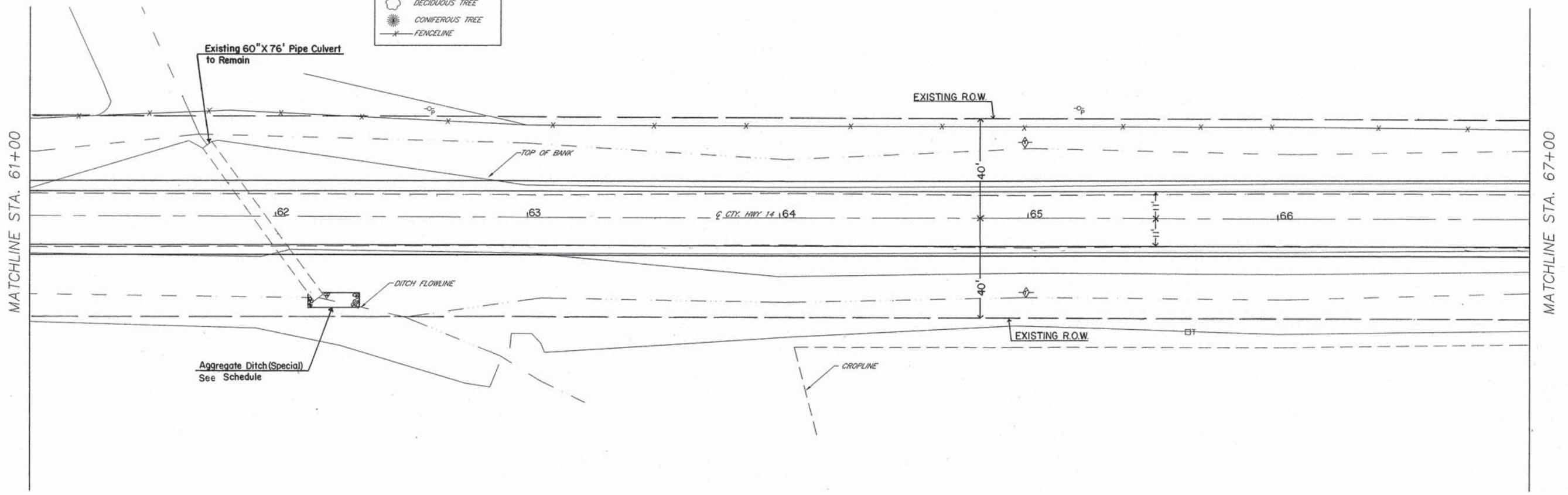


Pipe Culvert, Ty I, C.I.D. 15"
 36 Feet Length
 U.S.F.L. Sta. 59+06.34' Lt., Elev. 665.22
 D.S.F.L. Sta. 58+70.34' Lt., Elev. 664.97





- LEGEND**
- GUY WIRE
 - R.O.W. MARKER
 - MAILBOX
 - SIGN
 - UTILITY POLE
 - TELEPHONE BOX
 - DECIDUOUS TREE
 - CONIFEROUS TREE
 - FENCELINE



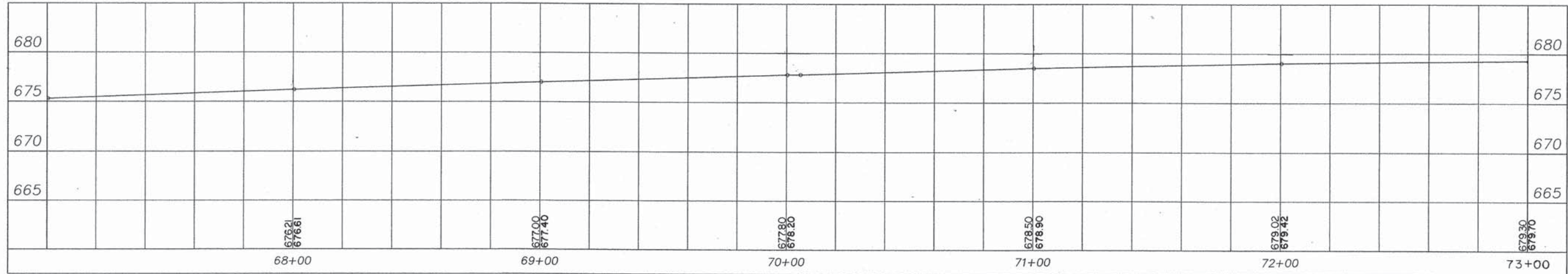
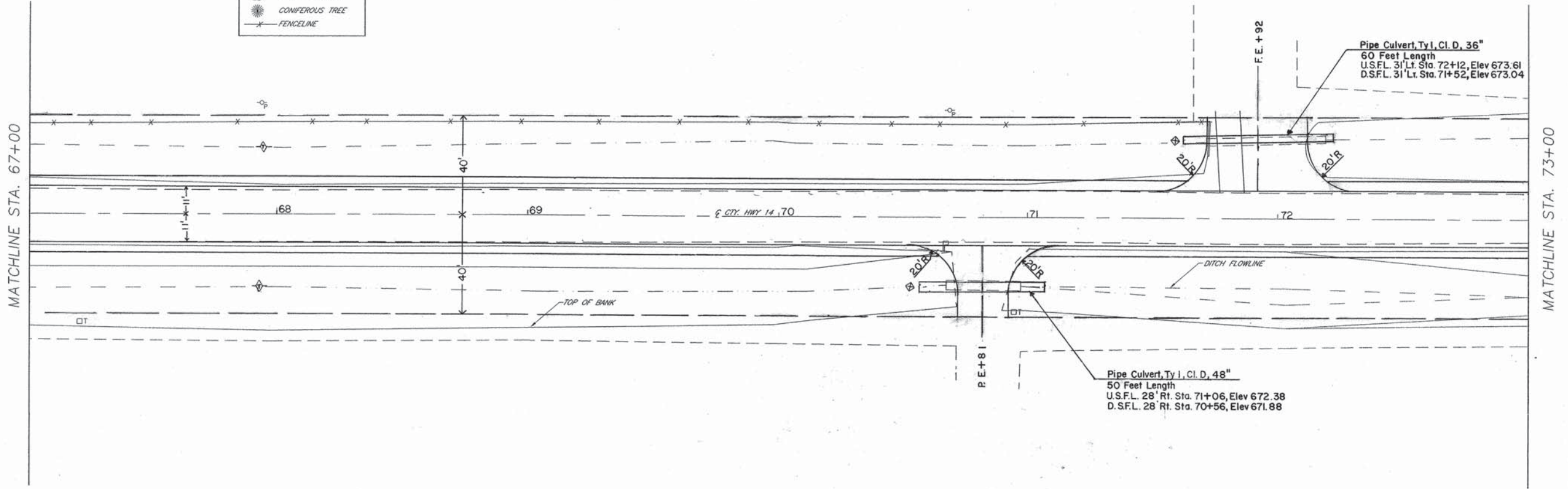


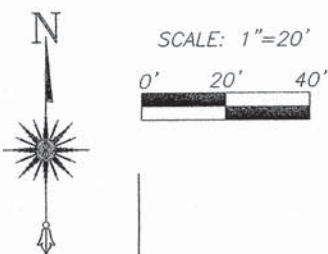
SCALE: 1"=20'



LEGEND

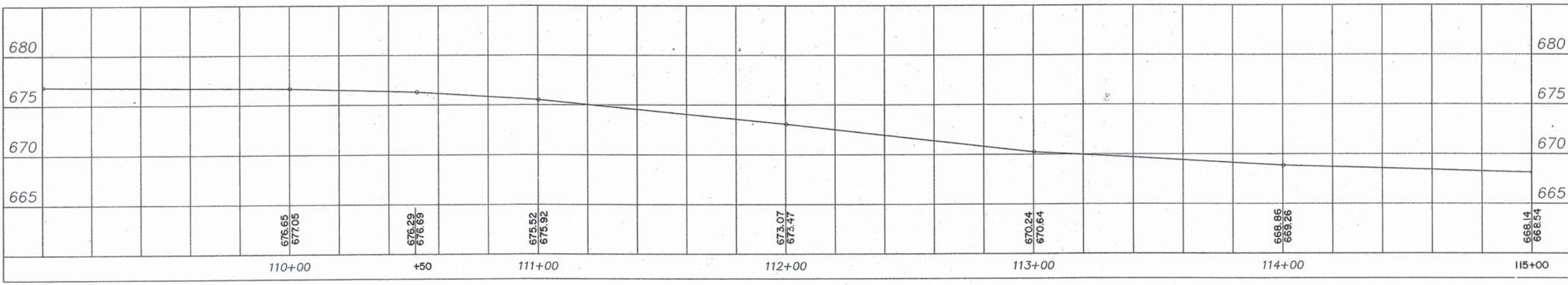
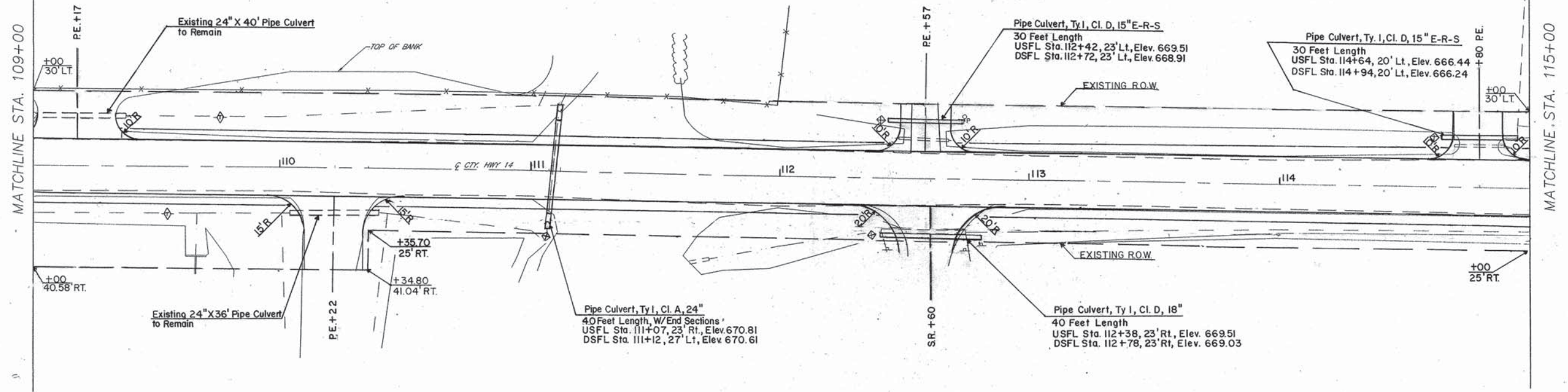
—	GUY WIRE
⊠	R.O.W. MARKER
⊡	MAILBOX
⊢	SIGN
⊙	UTILITY POLE
⊠	TELEPHONE BOX
⊙	DECIDUOUS TREE
⊙	CONIFEROUS TREE
—x—	FENCELINE





LEGEND

- GUY WIRE
- - - R.O.W. MARKER
- MAILBOX
- ⊕ SIGN
- ⊕ UTILITY POLE
- TELEPHONE BOX
- DECIDUOUS TREE
- ⊗ CONIFEROUS TREE
- FENCELINE





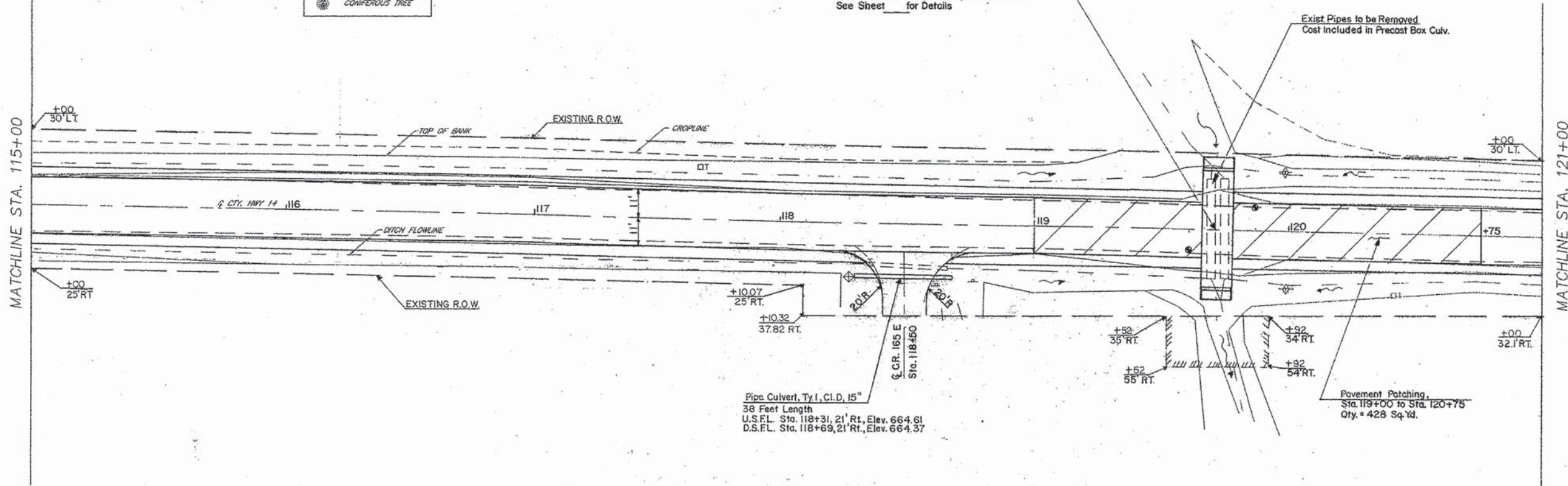
SCALE: 1"=20'
0' 20' 40'

LEGEND

—	GUY WIRE
—	R.O.W. MARKER
—	MAILBOX
—	SIGN
—	UTILITY POLE
—	TELEPHONE BOX
—	DECIDUOUS TREE
—	CONIFEROUS TREE

Robert C. and Iona Rakers
PARCEL # 02 (T.E.)

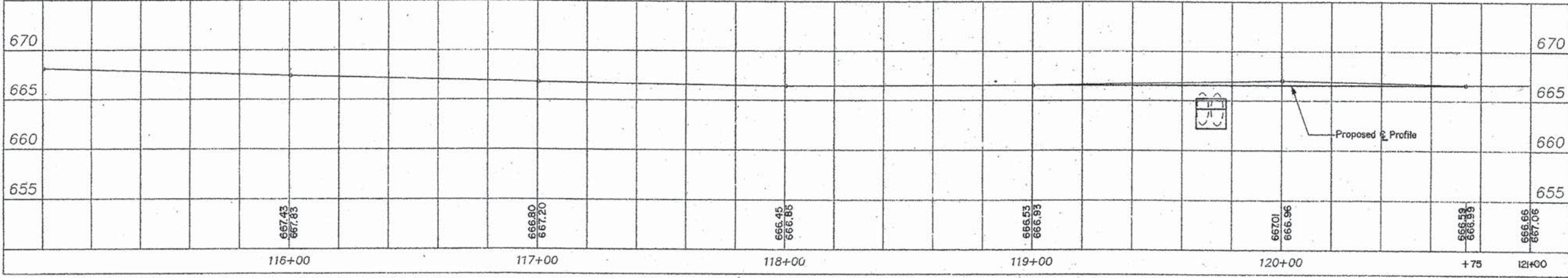
A.R. Sta. 119+72
Precast Concrete Box Culvert 12'x2'
44 Feet Length w/ End Sections
U.S.F.L. Sta. 119+72, 28' Lt., Elev. = 662.60
D.S.F.L. Sta. 119+72, 28' Rt., Elev. = 662.19
See Sheet _____ for Details



Pipe Culvert, Ty I, C.I.D. 15"
38 Feet Length
U.S.F.L. Sta. 118+31, 21' Rt., Elev. 664.61
D.S.F.L. Sta. 118+69, 21' Rt., Elev. 664.37

Stanley and Lulu B. Pugsley
PARCEL # 03 (T.E.)

Soil Borings
Sta. 119+61, 8 Rt.
Sta. 119+87, 9 Lt.



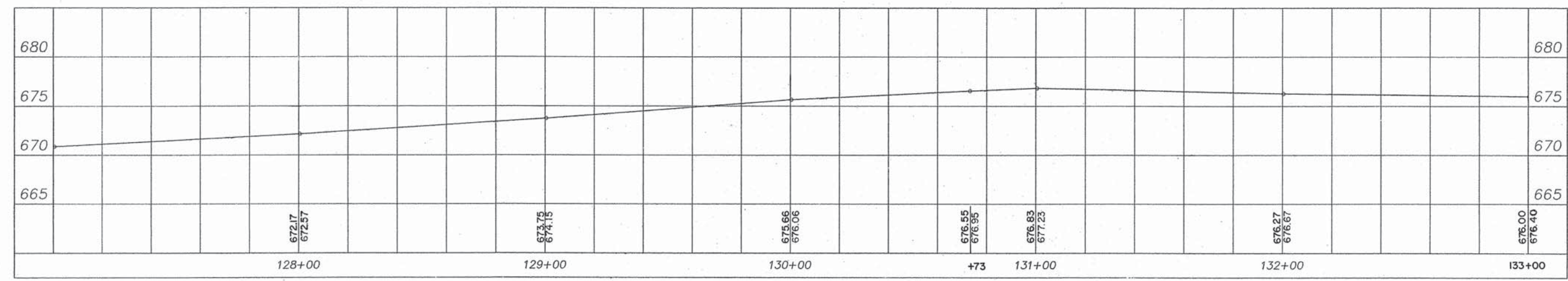
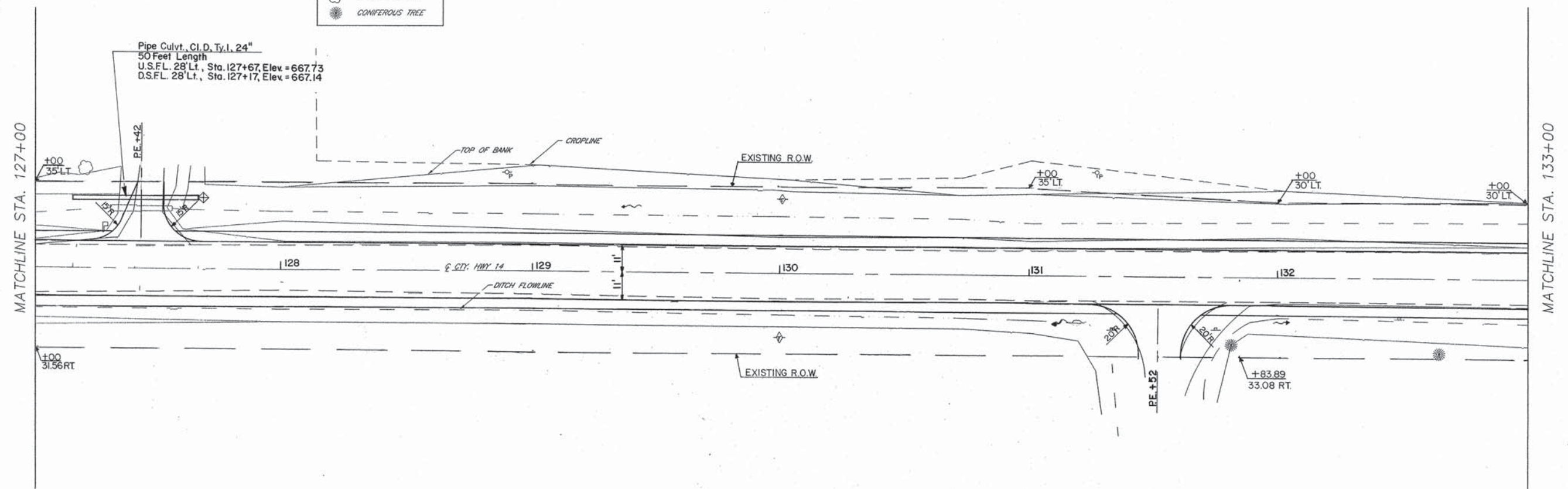


SCALE: 1"=20'
 0' 20' 40'

LEGEND

	GUY WIRE
	R.O.W. MARKER
	MAILBOX
	SIGN
	UTILITY POLE
	TELEPHONE BOX
	DECIDUOUS TREE
	CONIFEROUS TREE

Pipe Culvt., C.I. D. Ty. I, 24"
 50 Feet Length
 U.S.F.L. 28' Lt., Sta. 127+67, Elev. = 667.73
 D.S.F.L. 28' Lt., Sta. 127+17, Elev. = 667.14





SCALE: 1"=20'
0' 20' 40'

LEGEND

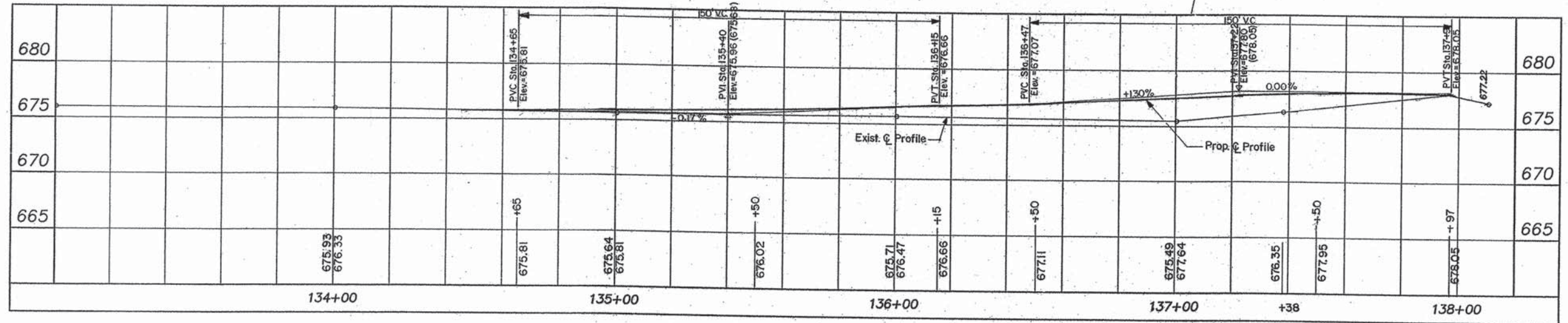
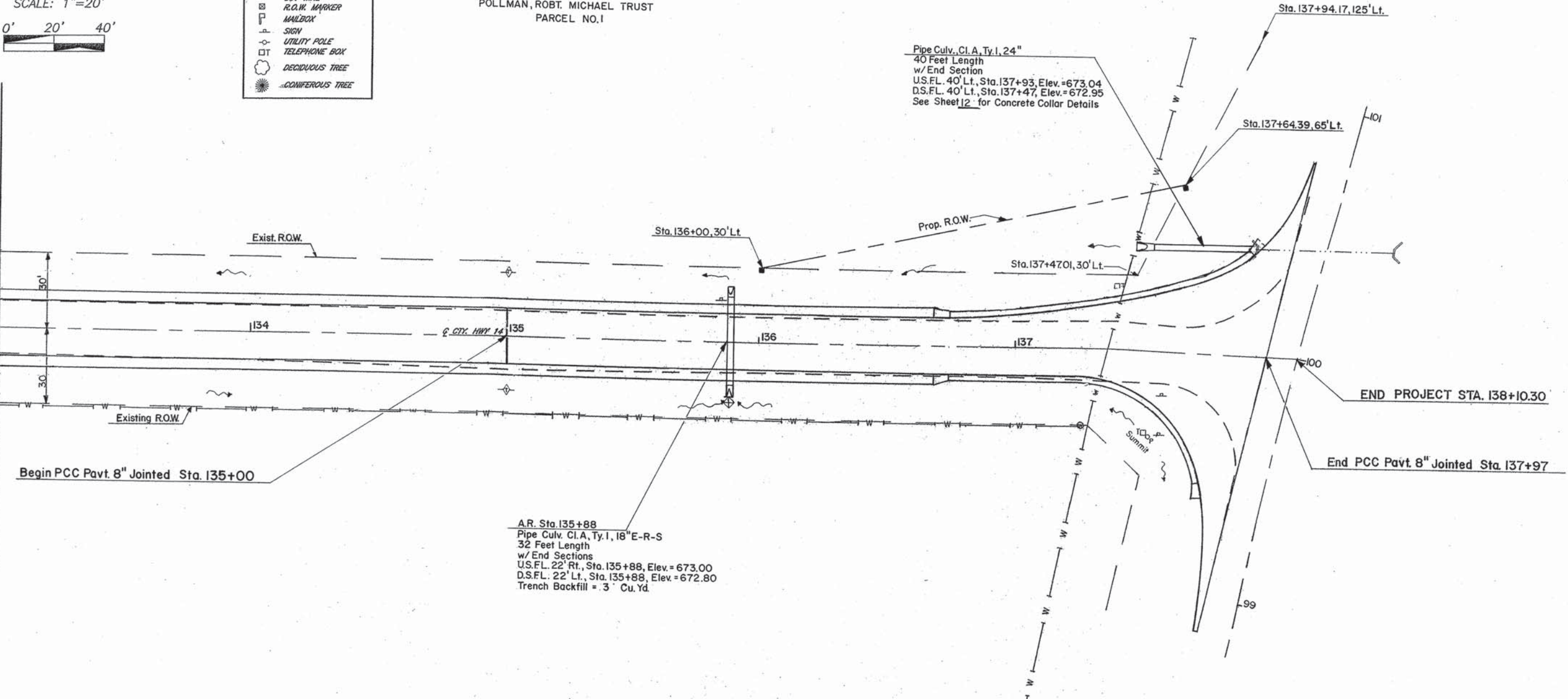
	GUY WIRE
	R.O.W. MARKER
	MAILBOX
	SIGN
	UTILITY POLE
	TELEPHONE BOX
	DECIDUOUS TREE
	CONIFEROUS TREE

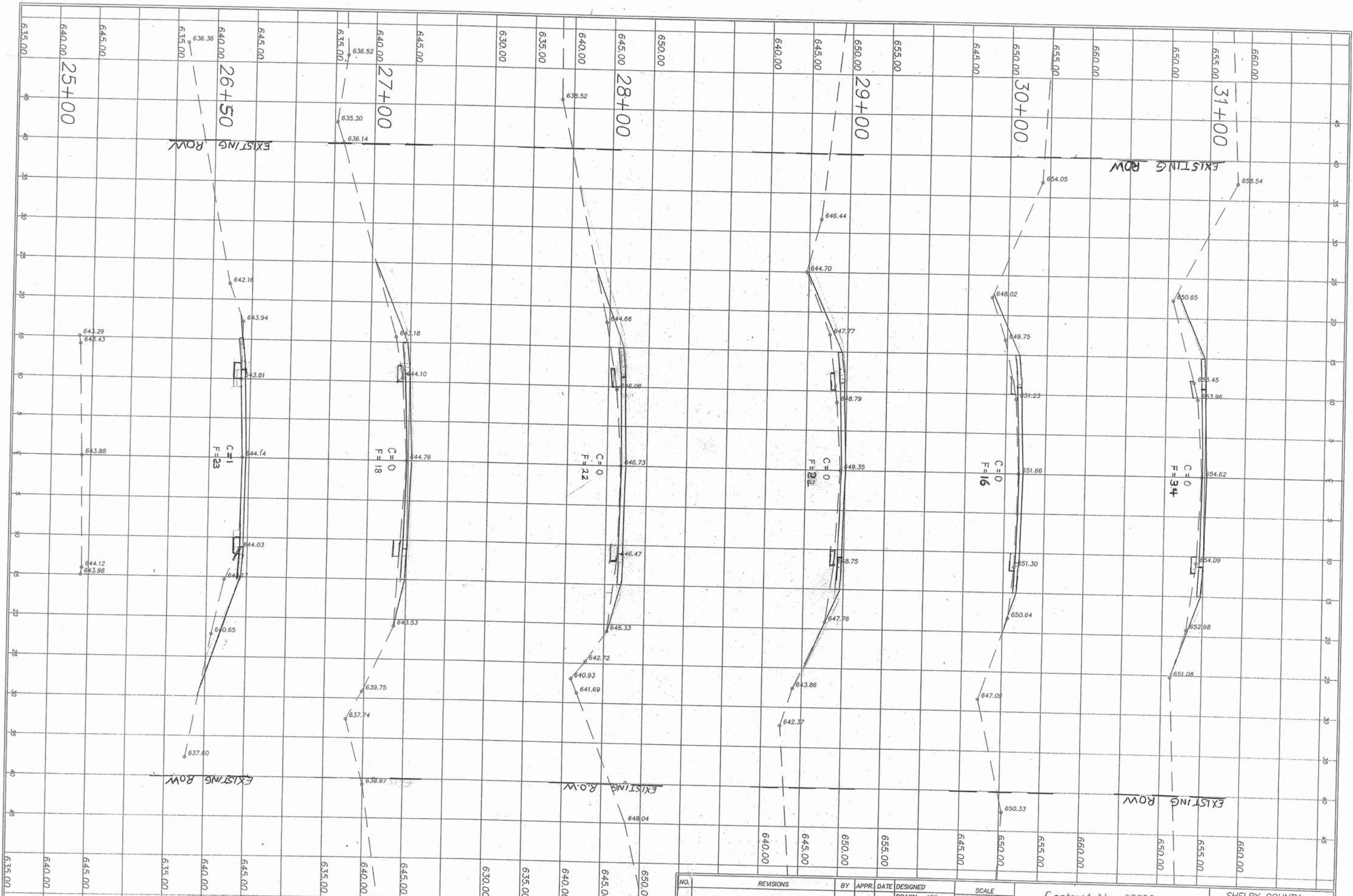
POLLMAN, ROBT. MICHAEL TRUST
PARCEL NO. 1

Pipe Culv. Cl. A, Ty. I, 24"
40 Feet Length
w/ End Section
U.S.F.L. 40' Lt., Sta. 137+93, Elev. = 673.04
D.S.F.L. 40' Lt., Sta. 137+47, Elev. = 672.95
See Sheet 12 for Concrete Collar Details

A.R. Sta. 135+88
Pipe Culv. Cl. A, Ty. I, 18" E-R-S
32 Feet Length
w/ End Sections
U.S.F.L. 22' Rt., Sta. 135+88, Elev. = 673.00
D.S.F.L. 22' Lt., Sta. 135+88, Elev. = 672.80
Trench Backfill = 3' Cu. Yd.

MATCHLINE STA. 133+00





NO.	REVISIONS	BY	APPR.	DATE	DESIGNED

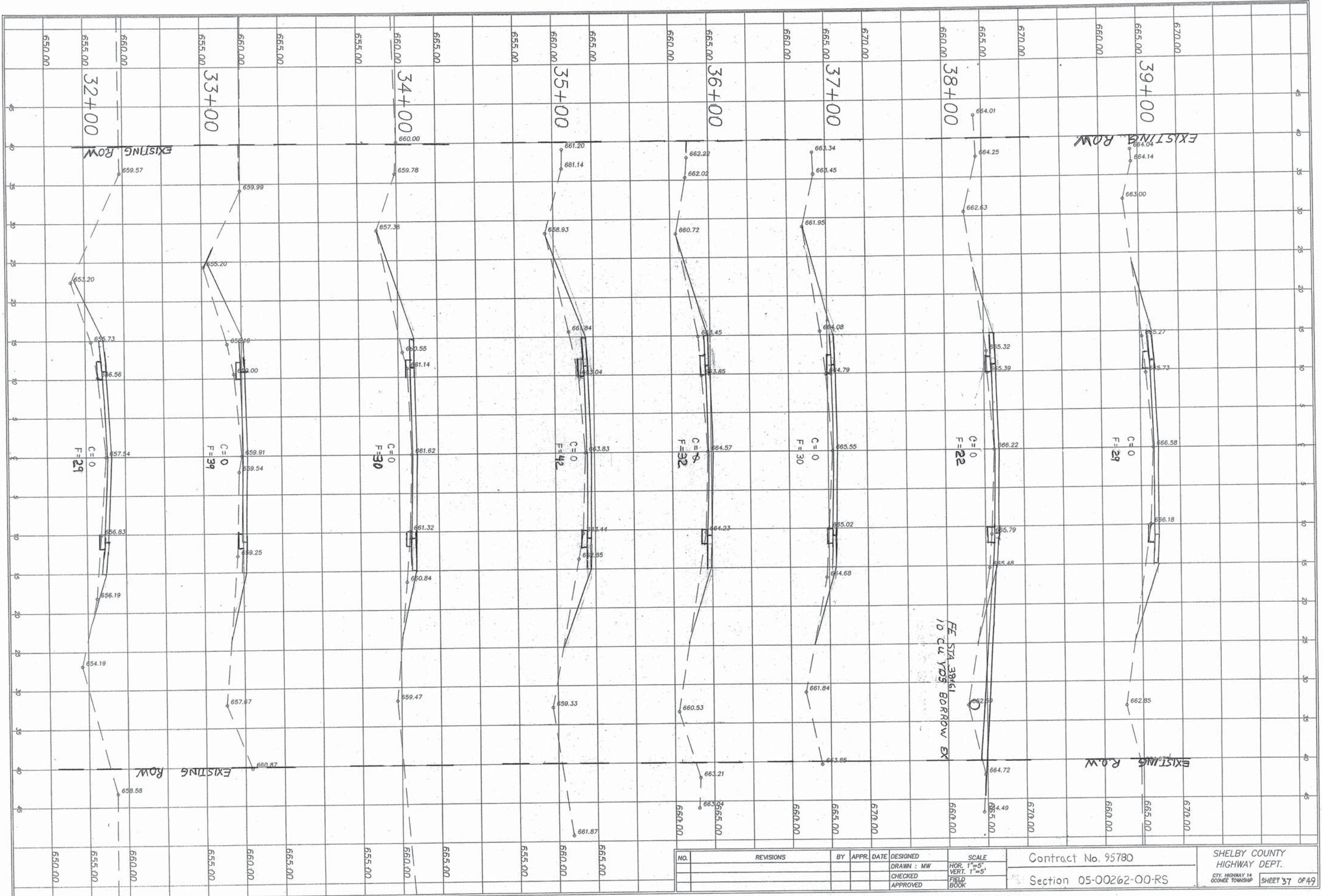
DRAWN : MW
 CHECKED
 APPROVED

SCALE

HOR. 1"=5'
 VERT. 1"=5'
 FIELD BOOK

Contract No. 95780
 Section 05-00262-00-RS

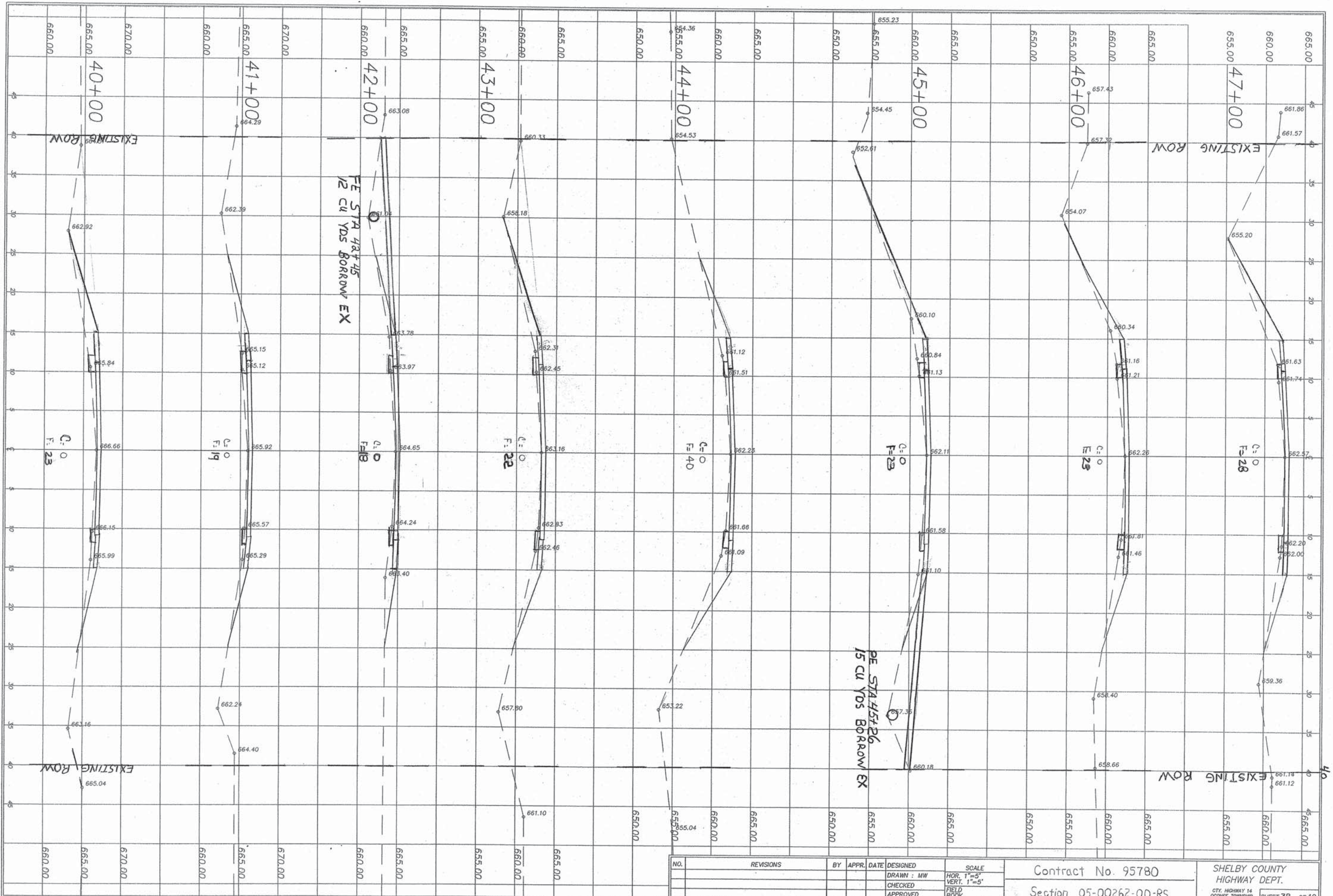
SHELBY COUNTY
 HIGHWAY DEPT.
 CITY, HIGHWAY 14
 COONEE TOWNSHIP



NO.	REVISIONS	BY	APPR.	DATE	DESIGNED	SCALE
					DRAWN : MW	HOR. 1"=5'
					CHECKED	VERT. 1"=5'
					APPROVED	FIELD BOOK

Contract No. 95780
 Section 05-00262-00-RS

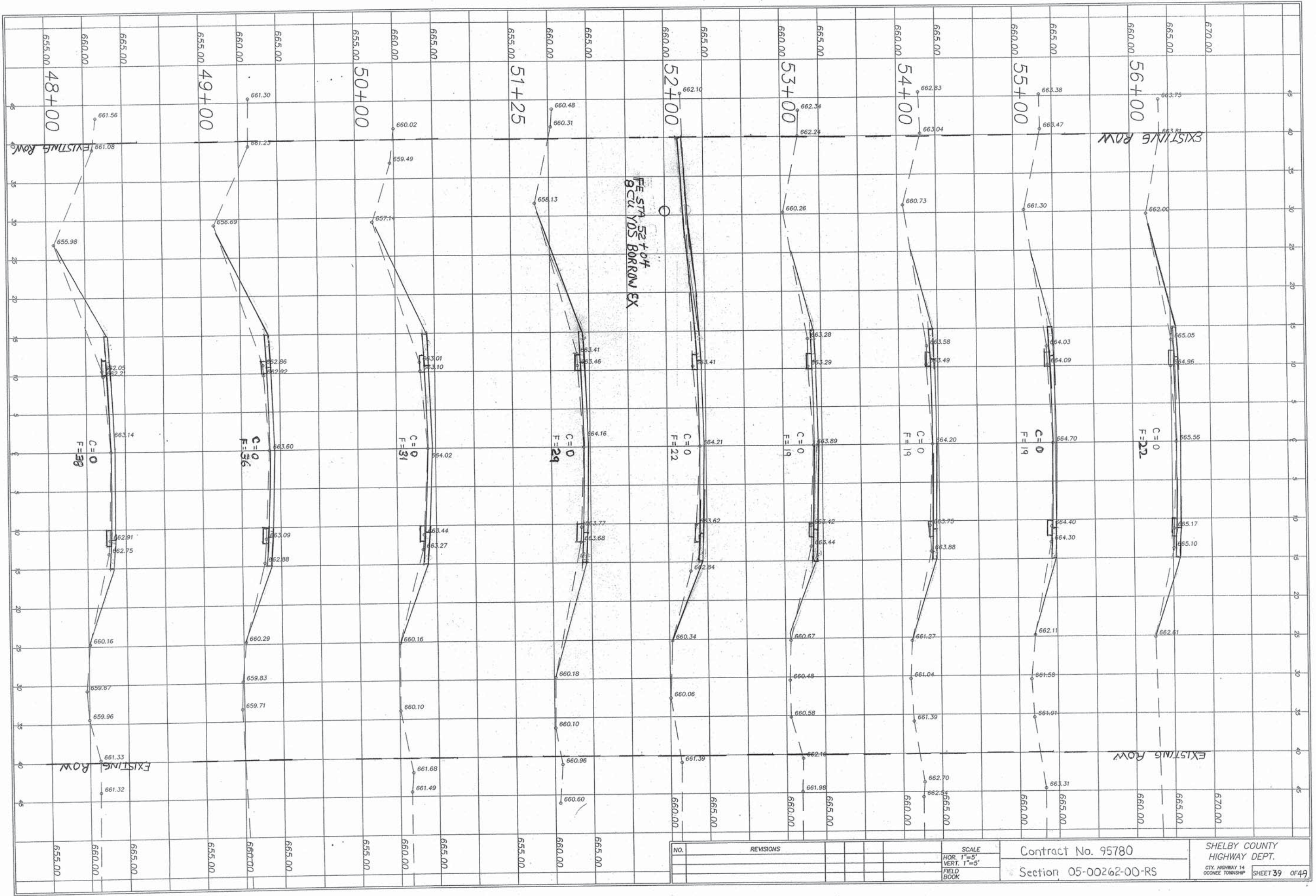
SHELBY COUNTY
 HIGHWAY DEPT.
 CITY HIGHWAY 14
 COONEE TOWNSHIP
 SHEET 37 OF 49



NO.	REVISIONS	BY	APPR.	DATE	DESIGNED	SCALE
					DRAWN : MW	HOR. 1"=5'
					CHECKED	VERT. 1"=5'
					APPROVED	FIELD BOOK

Contract No. 95780
 Section 05-00262-00-RS

SHELBY COUNTY
 HIGHWAY DEPT.
 CITY, HIGHWAY 14
 COOKE TOWNSHIP
 SHEET 38 OF 49

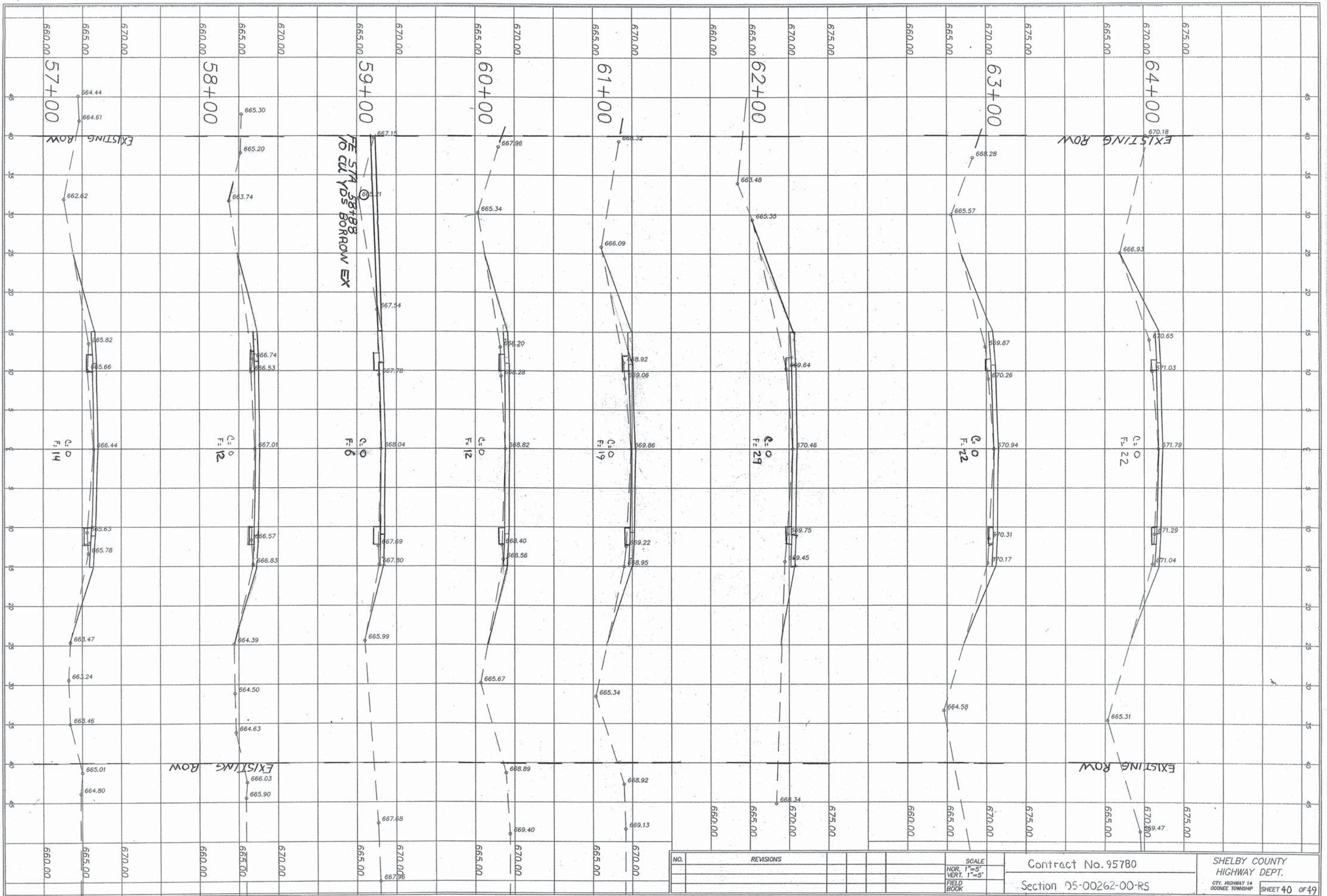


NO.	REVISIONS

SCALE
HOR. 1"=5'
VERT. 1"=5'
FIELD BOOK

Contract No. 95780
Section 05-00262-00-RS

SHELBY COUNTY
HIGHWAY DEPT.
CITY, HIGHWAY 14
O'CONNOR TOWNSHIP
SHEET 39 OF 49

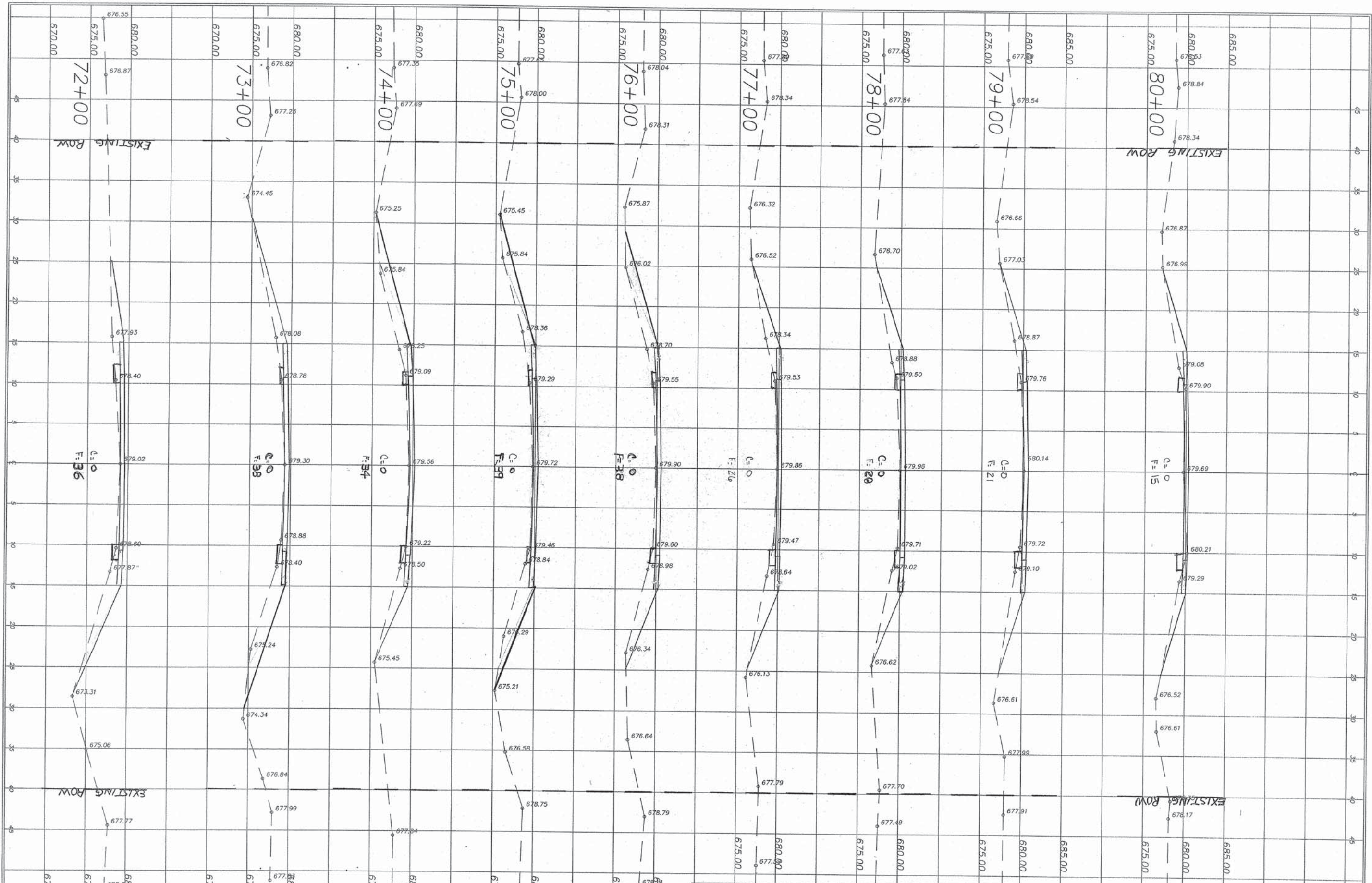


NO.	REVISIONS

SCALE
 HOR. 1"=5'
 VERT. 1"=5'
 FIELD BOOK

Contract No. 95780
 Section 05-00262-00-RS

SHELBY COUNTY
 HIGHWAY DEPT.
 CITY, HIGHWAY 14
 COONEE TOWNSHIP
 SHEET 40 OF 49

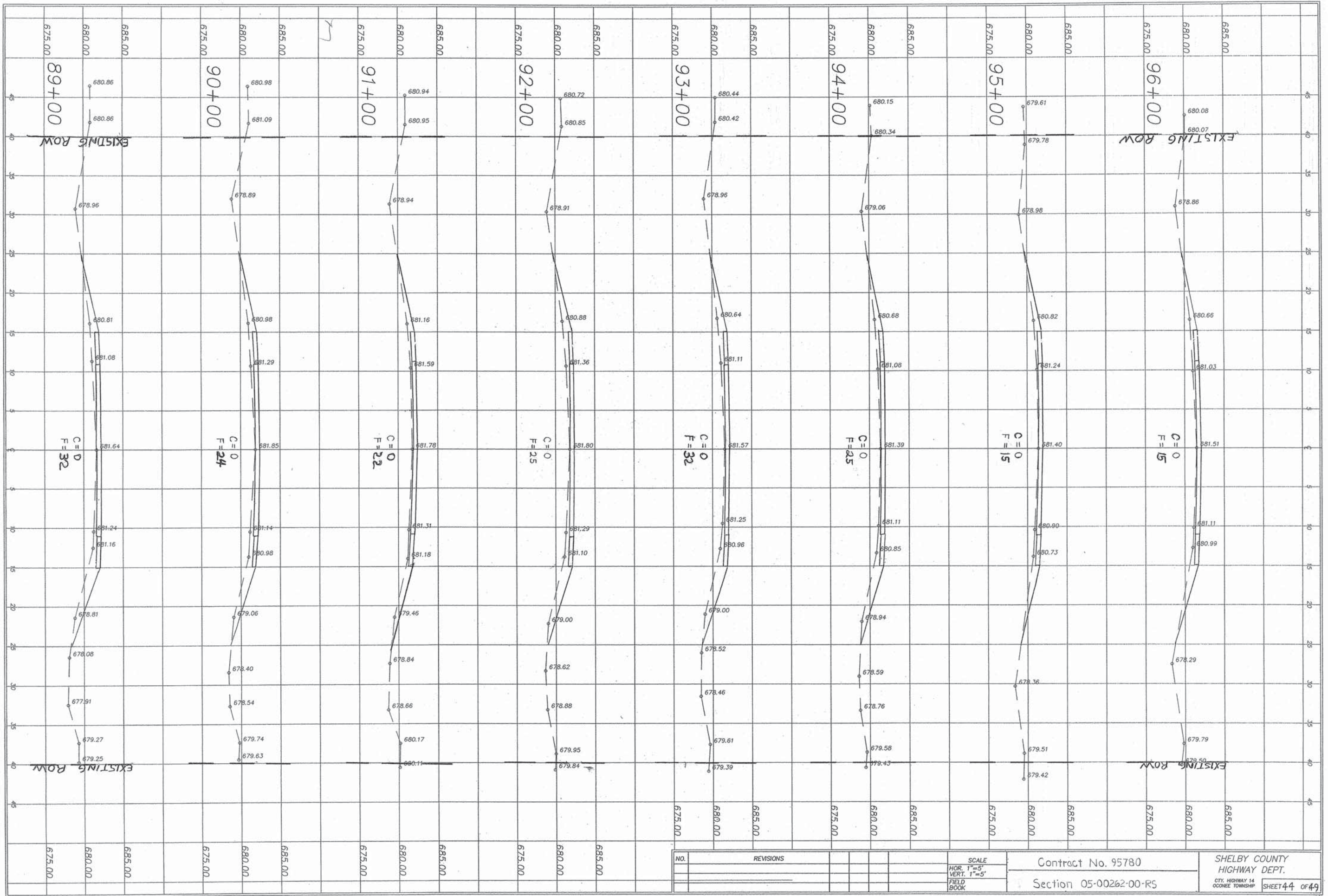


NO.	REVISIONS

SCALE
 HOR. 1"=5'
 VERT. 1"=5'
 FIELD BOOK

Contract No. 95780
 Section 05-00262-00-RS

SHELBY COUNTY
 HIGHWAY DEPT.
 CITY: HIGHWAY 14
 COOKE TOWNSHIP
 SHEET 42 OF 49

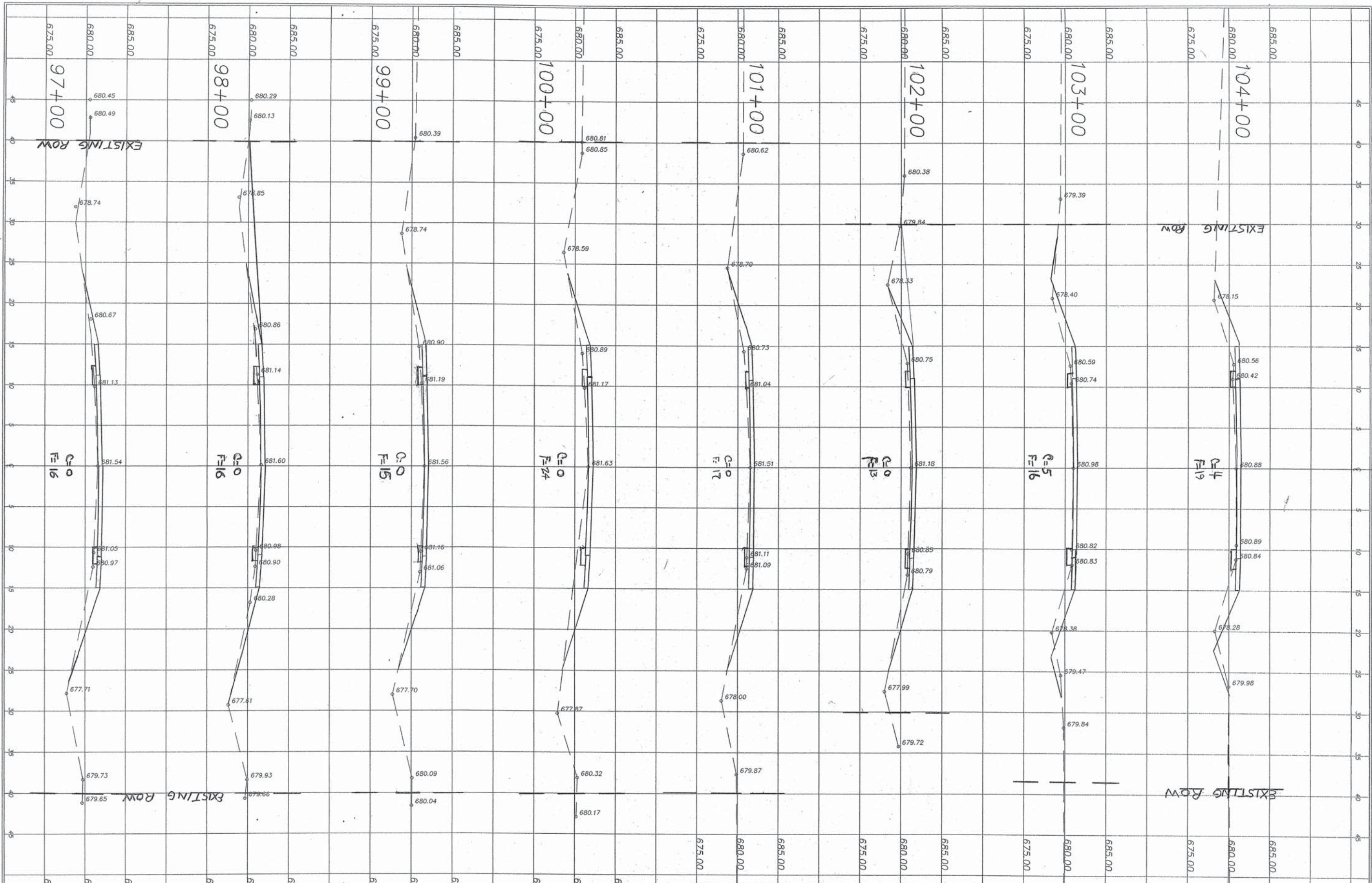


NO.	REVISIONS

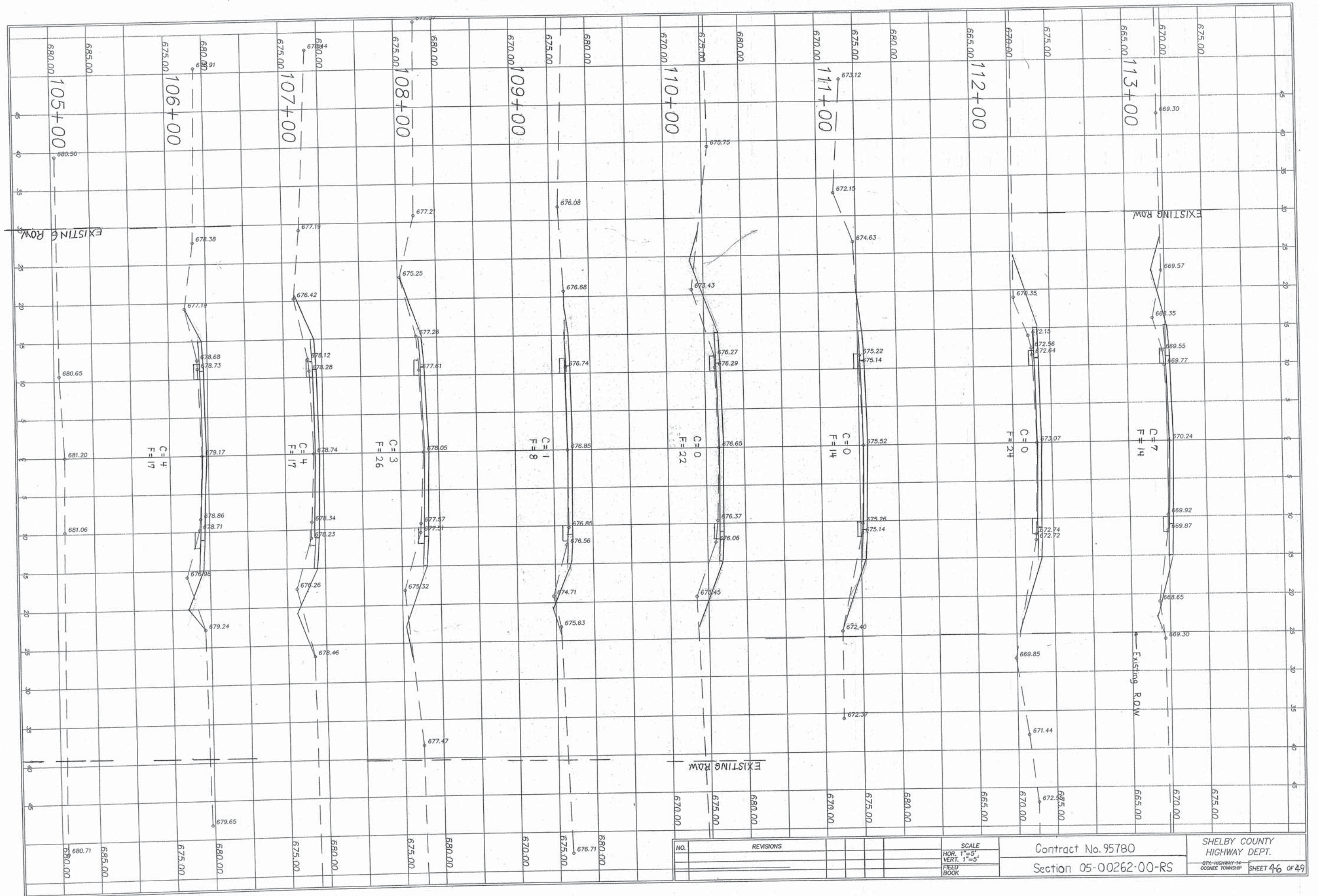
SCALE
 HOR. 1"=5'
 VERT. 1"=5'
 FIELD BOOK

Contract No. 95780
 Section 05-00262-00-RS

SHELBY COUNTY
 HIGHWAY DEPT.
 CITY, HIGHWAY 14
 COONEE TOWNSHIP
 SHEET 44 OF 49



NO.		REVISIONS		SCALE		Contract No. 95780		SHELBY COUNTY HIGHWAY DEPT.	
				HOR. 1"=5'		Section 05-00262-00-RS		CITY: HIGHWAY-14	
				VERT. 1"=5'				COONEE TOWNSHIP	
				FIELD BOOK				SHEET 45 OF 49	

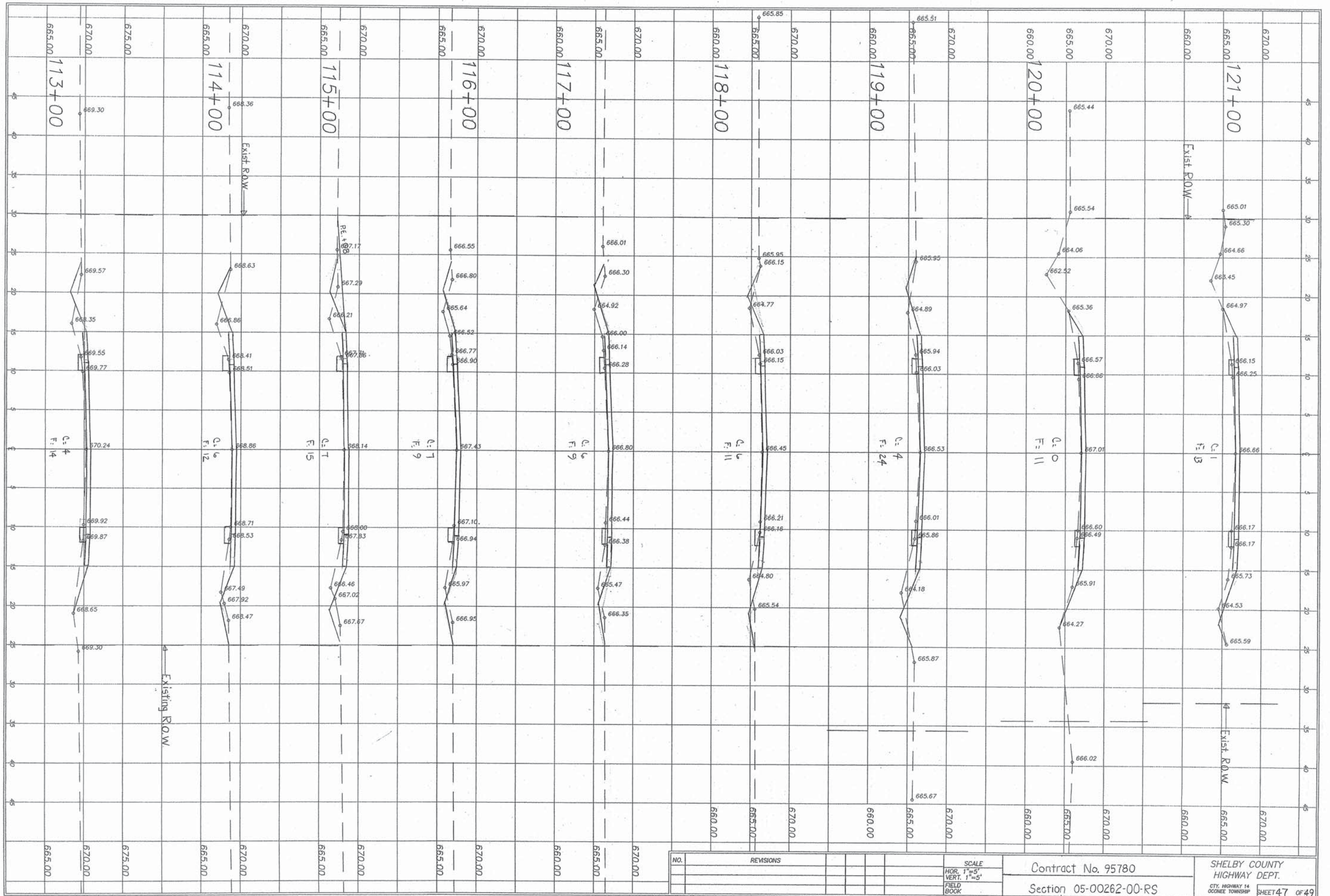


NO.	REVISIONS

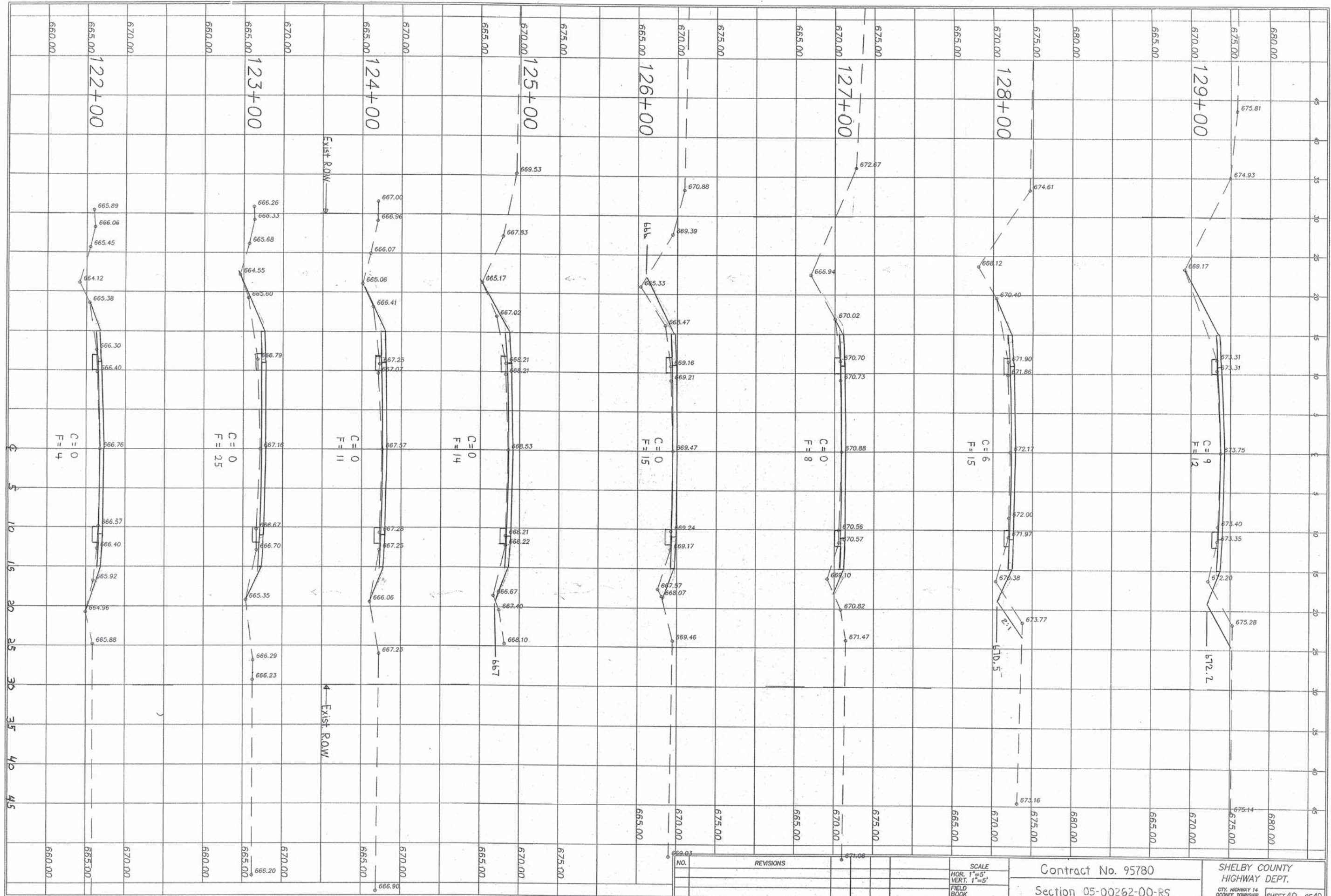
SCALE
 HOR. 1"=5'
 VERT. 1"=5'
 FIELD BOOK

Contract No. 95780
 Section 05-00262-00-RS

SHELBY COUNTY
 HIGHWAY DEPT.
 CITY-HIGHWAY-14
 DOONEE TOWNSHIP
 SHEET 46 OF 49



NO.	REVISIONS	SCALE	Contract No. 95780 Section 05-00262-00-RS	SHELBY COUNTY HIGHWAY DEPT. CITY, HIGHWAY 14 OCCONEE TOWNSHIP
		HOR. 1"=5'		
		VERT. 1"=5'		
		FIELD BOOK		SHEET 47 OF 49



NO.	REVISIONS

SCALE
 HOR. 1"=50'
 VERT. 1"=5'
 FIELD BOOK

Contract No. 95780
 Section 05-00262-00-R5

SHELBY COUNTY
 HIGHWAY DEPT.
 CITY, HIGHWAY 14
 COONEE TOWNSHIP
 SHEET 48 OF 49

