

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10-00092-00-BT	EFFINGHAM	53	1
CONTRACT NO. 95684			

Joint Utility Locating Information for Excavators
JULIE 1-800-892-0123

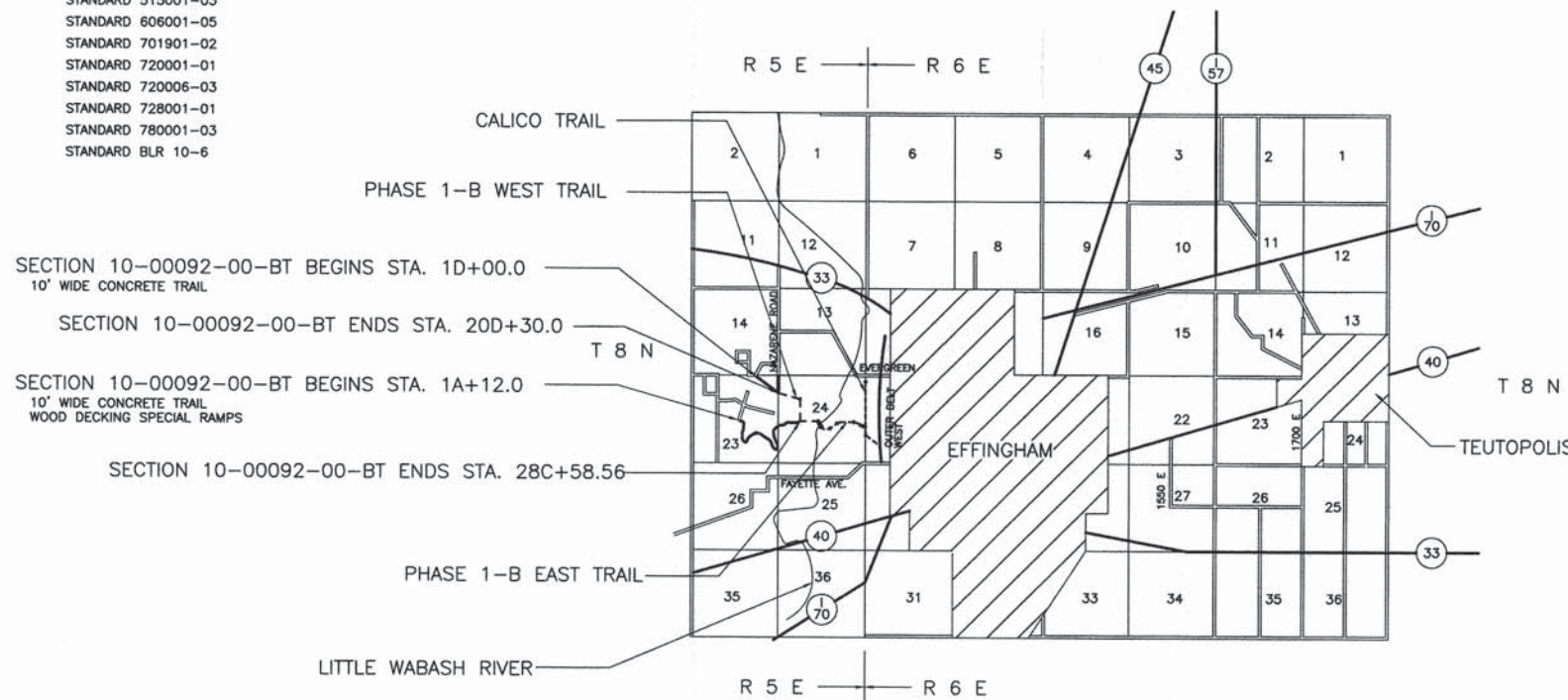
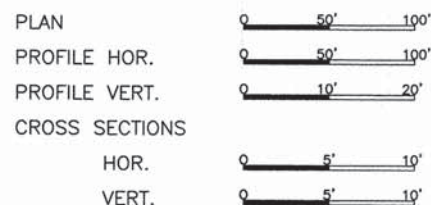
PLANS FOR PROPOSED
ILLINOIS TRANSPORTATION ENHANCEMENT PROGRAM PROJECT
MULTI-USE TRAIL

SECTION 10-00092-00-BT
PROJECT TE-00D7(046)
JOB NO. C-97-038-11
CONTRACT 95684
EFFINGHAM COUNTY

INDEX OF SHEETS

SHEET	ITEM
1	COVER SHEET
2	SUMMARY OF QUANTITIES/TYPICAL SECTIONS
3	WOOD GUARD RAIL DETAILS
4	CURVE DATA
5-6	PLAN & PROFILE - "A"
7-12	CROSS SECTIONS - "A"
13	PARKING AREA 1 DETAILS
14-15	PLAN & PROFILE - "B"
16-23	CROSS SECTIONS - "B"
24-25	PLAN & PROFILE - "C"
26-35	CROSS SECTIONS - "C"
36-37	PLAN & PROFILE - "D"
38-43	CROSS SECTIONS - "D"
44	PARKING AREA 2 DETAILS
45-46	WOOD DECKING SPECIAL 1 PLAN / DETAILS
47-48	WOOD DECKING SPECIAL 2 PLAN / DETAILS
49-50	WOOD DECKING SPECIAL 1 & 2 GENERAL DETAILS
51-53	WOOD DECKING SPECIAL ABUTMENT DETAILS

- STANDARD DRAWINGS
- STANDARD 000001-06
 - STANDARD 280001-07
 - STANDARD 420001-07
 - STANDARD 424001-07
 - STANDARD 515001-03
 - STANDARD 606001-05
 - STANDARD 701901-02
 - STANDARD 720001-01
 - STANDARD 720006-03
 - STANDARD 728001-01
 - STANDARD 780001-03
 - STANDARD BLR 10-6



NET LENGTH SECTION 10-00092-00-BT = 9,304.79 Ft. = 1.762 Mi.

Roger A. Charalata
 Ill. Reg. Prof. Eng. #29175
 5/7/13
 Lic. Expires 11/30/13
 CHARLESTON ENGINEERING INC.
 105 N. KITCHELL
 P.O. BOX 397
 OLNEY, ILLINOIS 62450
 PH. 618-392-0736

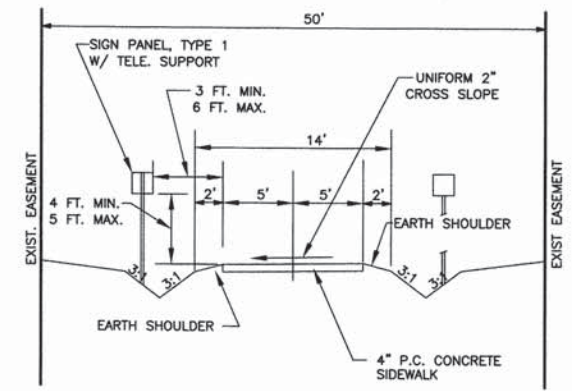


APPROVED *[Signature]* 2013
 May 7, 2013
 COUNTY ENGINEER

PASSED *[Signature]* 6/4 2013
 DISTRICT SEVEN ENGINEER OF
 LOCAL ROADS AND STREETS

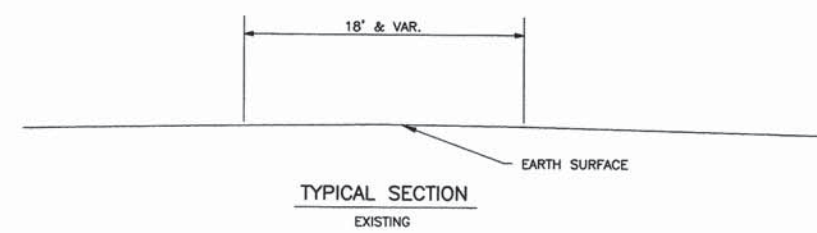
Releasing For
 Bid Based on
 Limited Review *[Signature]* 6/4 2013
 DEPUTY DIRECTOR OF HIGHWAYS
 REGION FOUR ENGINEER

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10-00092-00-BT	EFFINGHAM	53	2
CONTRACT NO. 95684			



TYPICAL SECTION - P.C.C. SIDEWALK 4"

PROPOSED
 STA. 32B+67 TO 33B+10
 STA. 39B+40 TO 39B+51
 THE DIRECTION OF THE CROSS SLOPE
 VARIES THROUGHOUT THE PROJECT



TYPICAL SECTION
 EXISTING

GENERAL NOTES

- SEEDING: THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 250 OF THE STANDARD SPECIFICATIONS AND SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR SEEDING.
 - NO PAYMENT FOR OVERHAUL WILL BE MADE ON THIS SECTION.
- A. FERTILIZER NUTRIENTS SHALL BE APPLIED AT THE RATE OF 100 LB/ACRE
 B. MULCHING SHALL BE DONE IN ACCORDANCE WITH ARTICLE 251 OF THE STANDARD SPECIFICATIONS AND SHALL BE DONE BY METHOD 2, PROCEDURE 1 AT THE RATE OF 2 TONS PER ACRE.

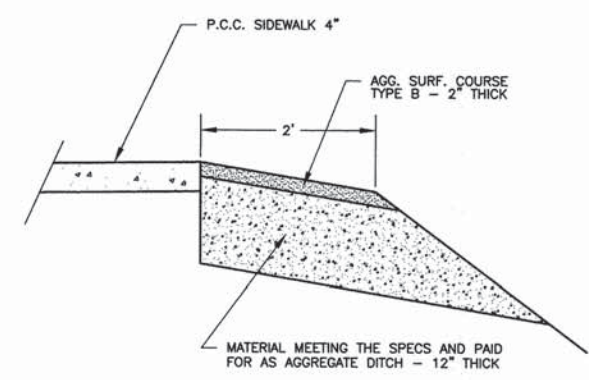
EARTHWORK SUMMARY

LOCATION	EARTH EXCAVATION	EMBANKMENT
TRAIL "A"	1285	500
TRAIL "B"	3510	2590
TRAIL "C"	970	2980
TRAIL "D"	1500	335
PARKING 1	0	225
PARKING 2	0	80
TOTALS	7265	6710

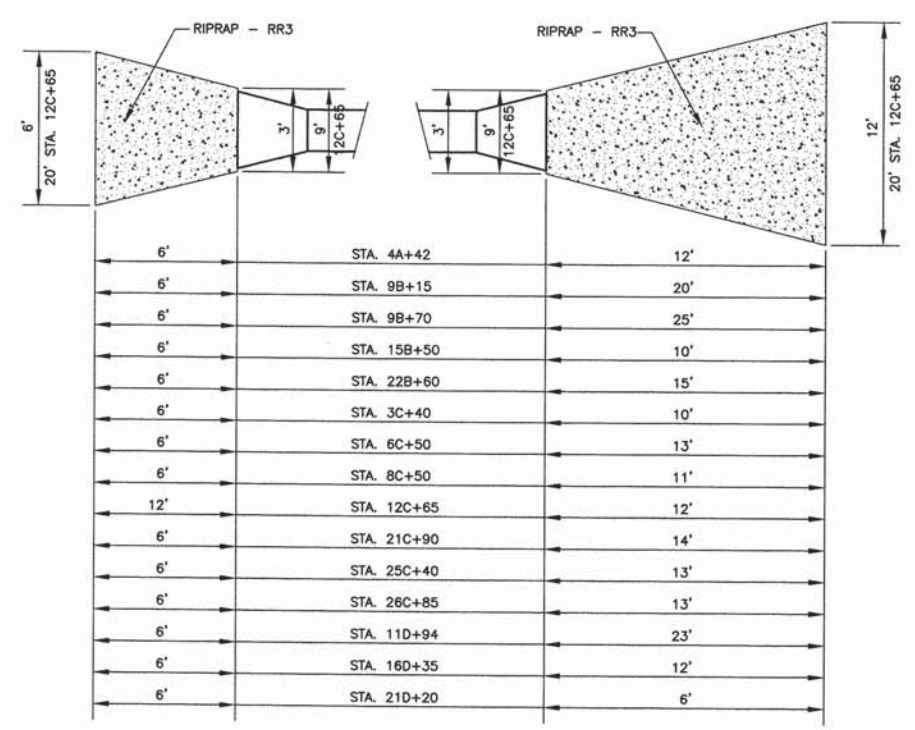
SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	QUANTITY
K1005421	SEEDING (SPECIAL)	ACRE	1.90
LR420021	PORTLAND CEMENT CONCRETE PAVEMENT 6" (SPECIAL)	SQ YD	757
X0301430	PRECAST CONCRETE PARKING BLOCK	EACH	9
X0326406	INFORMATION KIOSK COMPLETE	EACH	3
X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	6.35
X5150110	NAME PLATES (SPECIAL)	EACH	3
Δ XX008816	WOOD DECKING SPECIAL 1	SQ FT	1,850
Δ XX008817	WOOD DECKING SPECIAL 2	SQ FT	5,500
Z0003850	BENCHES	EACH	10
Z0004002	BOLLARDS	EACH	6
Z0049400	REFUSE CONTAINER AND PAD	EACH	2
Δ Z0077740	WOOD GUARDRAIL	FOOT	190
20100500	TREE REMOVAL, ACRES	ACRES	4.3
20200100	EARTH EXCAVATION	CU YD	7,265
20400800	FURNISHED EXCAVATION	CU YD	1,265
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	100
28000305	TEMPORARY DITCH CHECKS	FOOT	140
28000500	INLET & PIPE PROTECTION	EACH	14
28100807	STONE DUMPED RIPRAP, CLASS A4	TON	100
28300400	AGGREGATE DITCH	TON	1,192
35101400	AGGREGATE BASE COURSE, TYPE B	TON	50
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	60
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	87,747
42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	1,325
42400800	DETECTABLE WARNINGS	SQ FT	116
50105220	PIPE CULVERT REMOVAL	FOOT	42
Δ 50300225	CONCRETE STRUCTURES	CU YD	32.4
Δ 50800105	REINFORCEMENT BARS	POUND	2,375
51500100	NAME PLATES	EACH	10
54200217	PIPE CULVERTS, CLASS D, TYPE 1 12"	FOOT	238
54200220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	145
54200223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	75
54200229	PIPE CULVERTS, CLASS D, TYPE 1 24"	FOOT	72
54200235	PIPE CULVERTS, CLASS D, TYPE 1 30"	FOOT	32
54213447	END SECTIONS 12"	EACH	20
54213450	END SECTIONS 15"	EACH	6
54213453	END SECTIONS 18"	EACH	6
54213459	END SECTIONS 24"	EACH	4
54213465	END SECTIONS 30"	EACH	2
60600605	CONCRETE CURB, TYPE B	FOOT	230
67100100	MOBILIZATION	L SUM	1
72000100	SIGN PANEL, TYPE 1	SQ FT	177.2
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	462
Δ 78001100	PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	52
Δ 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	520

Δ SPECIALTY ITEMS

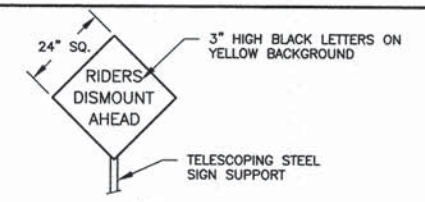


RIPRAP SHOULDER DETAIL
 SEE SHEET 25

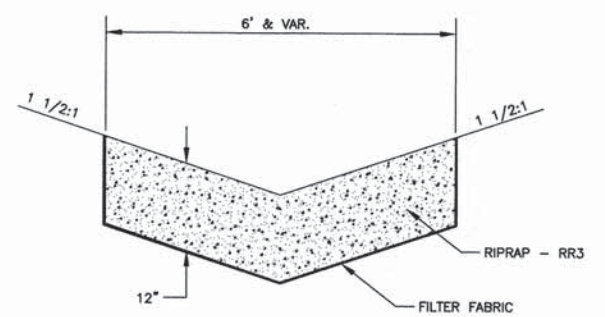


AGGREGATE DITCH DETAIL
 AT PIPE CULVERT INLETS

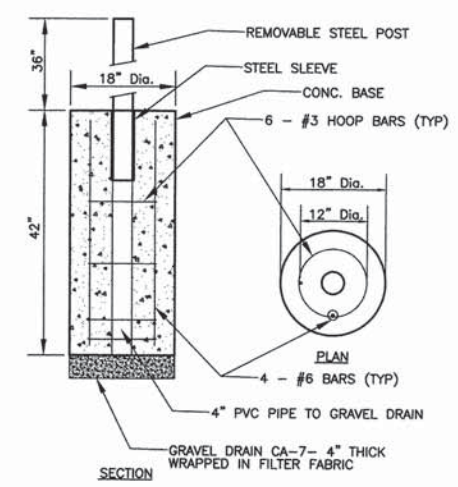
AGGREGATE DITCH DETAIL
 AT PIPE CULVERT OUTLETS



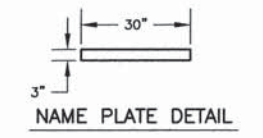
"RIDERS DISMOUNT" SIGN DETAIL
 SIGN TO MEET ALL APPLICABLE ARTICLES OF SECTION 720 OF THE STANDARD SPECS. QUANTITY INCLUDED IN "SIGN PANEL, TYPE 1"



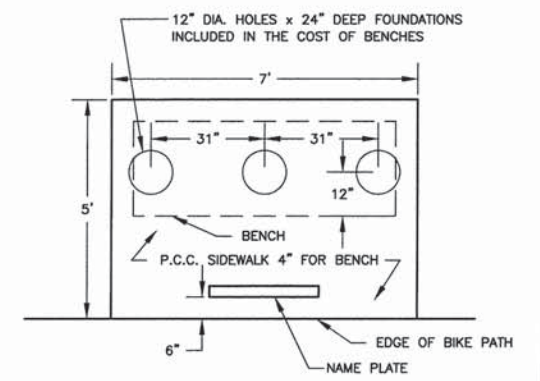
AGGREGATE DITCH DETAIL



REMOVABLE BOLLARD DETAIL



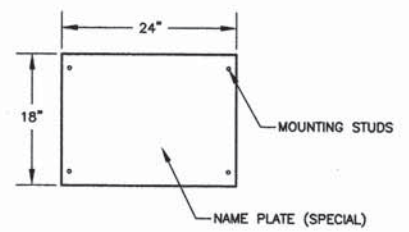
NAME PLATE DETAIL



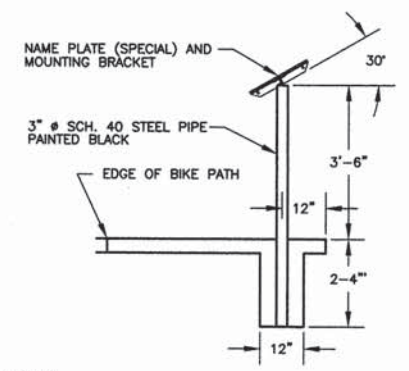
BENCH AND PAD DETAIL

THE QUANTITY OF P.C.C. SIDEWALK 4" FOR 10 BENCHES IS INCLUDED IN THE TOTAL IN THE SUMMARY OF QUANT.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10-00092-00-BT	EFFINGHAM	53	3
CONTRACT NO. 95684			

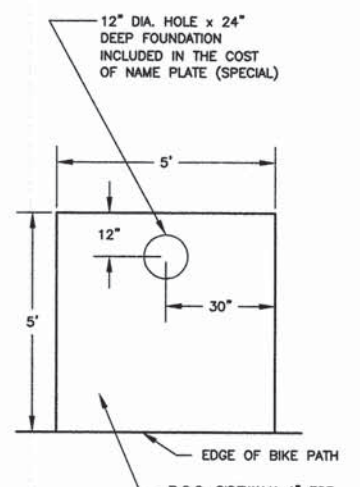


NAME PLATE DETAILS



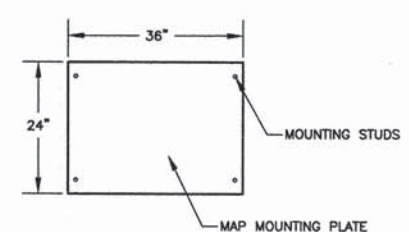
NAME PLATE (SPECIAL) DETAILS

- UPSET THREADS ON MOUNTING STUDS AFTER INSTALL ON MOUNTING BRACKET.

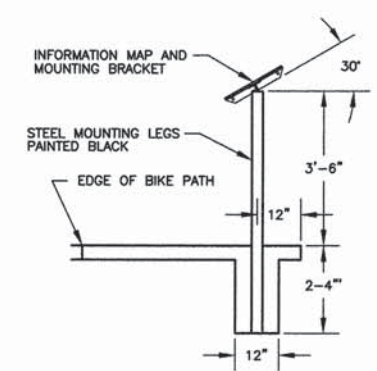


PAD DETAIL

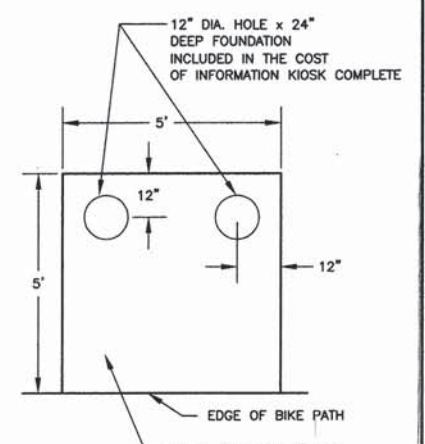
THE QUANTITY OF P.C.C. SIDEWALK 4" FOR 3 NAME PLATES (SPECIAL) IS INCLUDED IN THE TOTAL IN THE SUMMARY OF QUANT.



INFORMATION MAP DETAILS

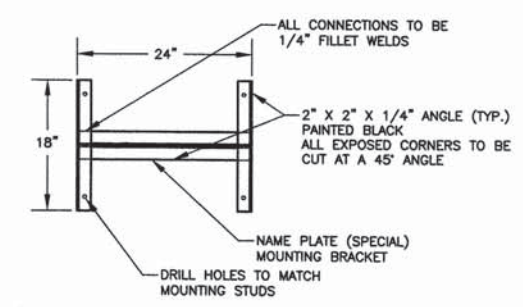


SECTION

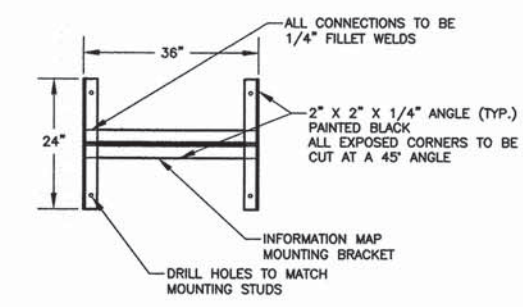


PAD DETAIL

THE QUANTITY OF P.C.C. SIDEWALK 4" FOR 3 INFORMATION KIOSK IS INCLUDED IN THE TOTAL IN THE SUMMARY OF QUANT.



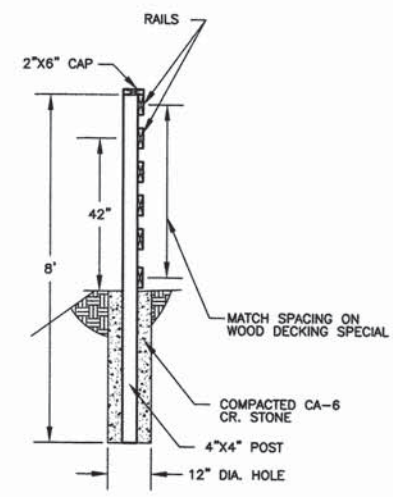
MOUNTING BRACKET DETAILS



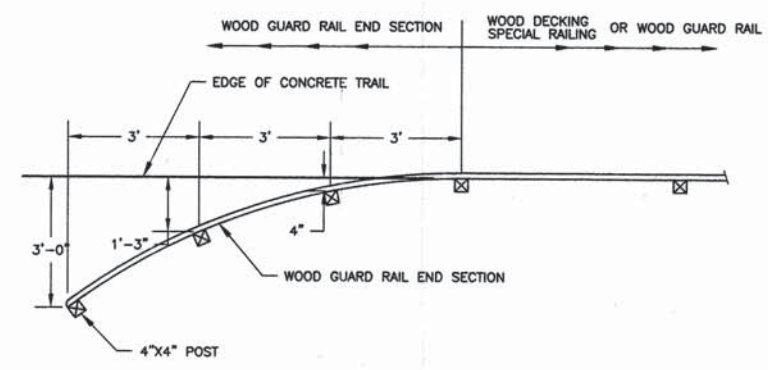
MOUNTING BRACKET DETAILS

INFORMATION KIOSK DETAILS

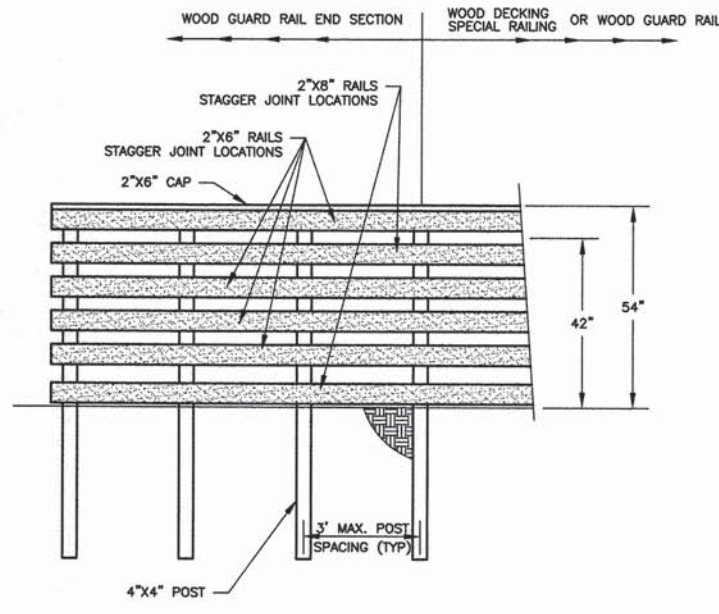
- OTHER MOUNTING BRACKETS WILL BE ACCEPTABLE



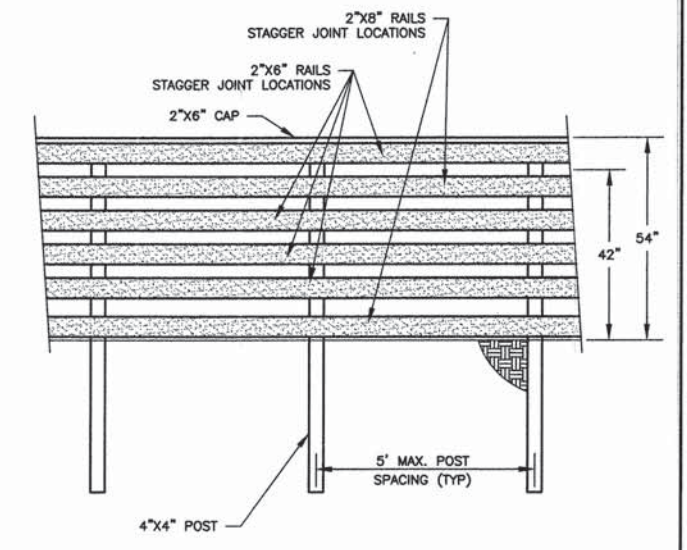
SECTION



END SECTION PLAN



END SECTION ELEVATION



WOOD GUARD RAIL

WOOD GUARD RAIL DETAIL

- ALL LUMBER USED IN THE RAILING SHALL BE PRESSURE TREATED.
- ALL FASTENERS SHALL BE GALVANIZED OR STAINLESS STEEL, NO EXCEPTIONS.
- ALL EXTERIOR CORNERS ON THE RAILS SHALL BE ROUNDED - 1 1/2" RADIUS.
- ALL RAIL JOINTS SHALL BE FLUSH.
- ALL LUMBER DIMENSIONS ARE NOMINAL.
- SPLICE 2 X 6 CAP OVER POSTS.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10-00092-00-BT	EFFINGHAM	53	4
CONTRACT NO. 95684			

TRAIL "A"

CURVE 1A	CURVE 2A	CURVE 3A	CURVE 4A	CURVE 5A	CURVE 6A	CURVE 7A
D = 62°36'46"	D = 91°46'31"	D = 38°50'56"	D = 54°45'29"	D = 34°46'18"	D = 82°13'07"	D = 44°59'47"
Da = 57°17'45"	Da = 57°17'45"	Da = 32°25'37"	Da = 47°37'22"	Da = 28°50'13"	Da = 49°09'20"	Da = 57°17'19"
Dc = 60°00'00"	Dc = 60°00'00"	Dc = 32°52'34"	Dc = 49°06'45"	Dc = 29°09'01"	Dc = 50°48'12"	Dc = 59°59'31"
T = 60.82	T = 103.15	T = 62.31	T = 62.31	T = 62.21	T = 101.72	T = 41.42
R = 100.00	R = 100.00	R = 176.69	R = 120.31	R = 198.69	R = 116.56	R = 100.01
L = 109.28	L = 160.18	L = 119.80	L = 114.98	L = 120.58	L = 167.26	L = 78.54
C = 103.92	C = 143.60	C = 117.52	C = 110.66	C = 118.74	C = 153.28	C = 76.54
E = 17.04	E = 43.66	E = 10.66	E = 15.18	E = 9.51	E = 38.14	E = 8.24
M = 14.56	M = 30.39	M = 10.06	M = 13.48	M = 9.08	M = 28.74	M = 7.61
PI Sta = 1+72.82	PI Sta = 3+97.56	PI Sta = 8+64.71	PI Sta = 9+84.51	PI Sta = 11+60.87	PI Sta = 13+20.96	PI Sta = 15+73.50

TRAIL "B"

CURVE 1B	CURVE 2B	CURVE 3B	CURVE 4B	CURVE 5B	CURVE 6B	CURVE 7B	CURVE 8B
D = 44°59'47"	D = 22°08'57"	D = 39°24'45"	D = 63°39'55"	D = 23°53'26"	D = 54°13'07"	D = 124°29'35"	D = 78°06'47"
Da = 57°17'19"	Da = 18°21'39"	Da = 53°45'39"	Da = 04°46'58"	Da = 15°13'15"	Da = 25°35'41"	Da = 57°16'10"	Da = 57°13'59"
Dc = 59°59'31"	Dc = 18°26'25"	Dc = 55°57'30"	Dc = 04°47'03"	Dc = 15°15'58"	Dc = 25°48'44"	Dc = 59°58'11"	Dc = 59°55'39"
T = 41.42	T = 61.08	T = 38.17	T = 743.73	T = 79.64	T = 114.60	T = 190.13	T = 81.23
R = 100.01	R = 312.06	R = 106.58	R = 1197.99	R = 376.43	R = 223.86	R = 100.05	R = 100.11
L = 78.54	L = 120.63	L = 73.31	L = 1331.16	L = 156.96	L = 211.84	L = 217.38	L = 136.48
C = 76.54	C = 119.88	C = 71.87	C = 1263.73	C = 155.82	C = 204.02	C = 177.07	C = 126.16
E = 8.24	E = 5.92	E = 6.63	E = 212.09	E = 8.33	E = 27.63	E = 114.80	E = 28.81
M = 7.61	M = 5.81	M = 6.24	M = 180.19	M = 8.15	PI Sta = 23+96.09	M = 53.46	M = 22.37
PI Sta = 2+73.66	PI Sta = 4+18.79	PI Sta = 5+16.51	PI Sta = 15+37.09	PI Sta = 22+04.16		PI Sta = 26+83.45	PI Sta = 27+91.93

TRAIL "C"

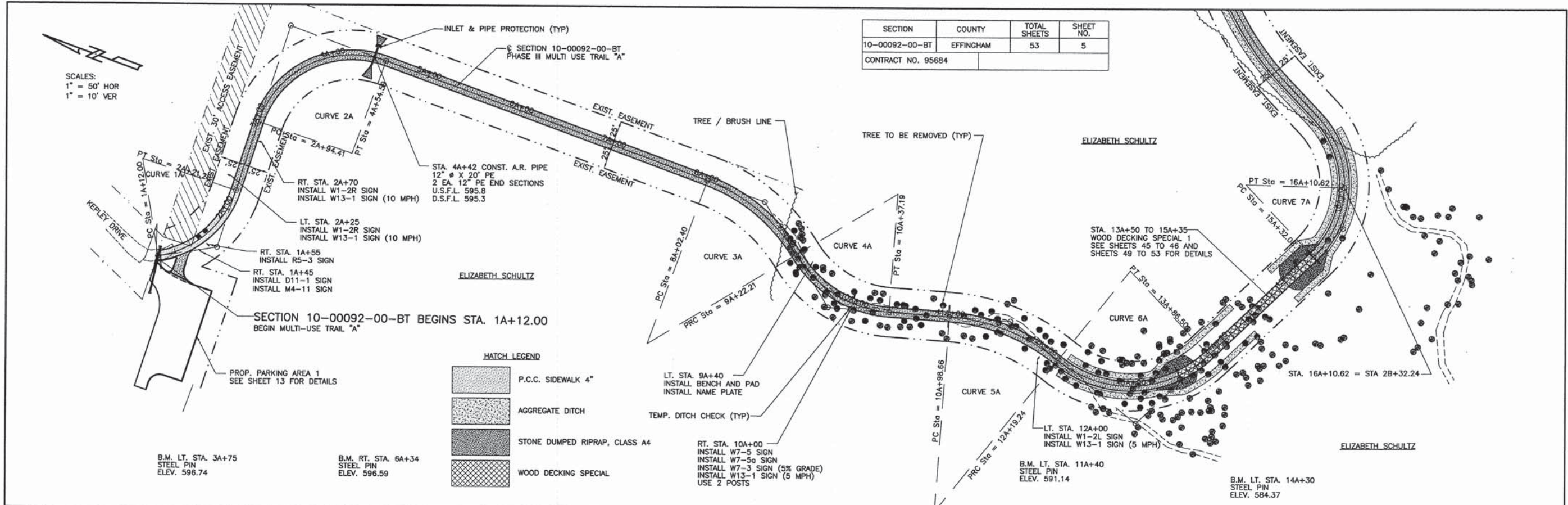
CURVE 1C	CURVE 2C	CURVE 3C	CURVE 4C	CURVE 5C	CURVE 6C	CURVE 7C	CURVE 8C	CURVE 9C	CURVE 10C	CURVE 11C
D = 30°03'32"	D = 16°20'04"	D = 20°02'29"	D = 21°37'12"	D = 45°10'07"	D = 08°39'33"	D = 43°46'46"	D = 54°03'22"	D = 58°49'10"	D = 03°03'11"	D = 22°52'58"
Da = 29°00'24"	Da = 11°07'22"	Da = 13°41'41"	Da = 08°44'59"	Da = 28°15'55"	Da = 04°14'56"	Da = 22°32'53"	Da = 27°09'38"	Da = 29°29'45"	Da = 01°23'40"	Da = 10°37'19"
Dc = 29°19'32"	Dc = 11°08'25"	Dc = 13°43'39"	Dc = 08°45'30"	Dc = 28°33'36"	Dc = 04°14'59"	Dc = 22°41'46"	Dc = 27°25'18"	Dc = 29°49'54"	Dc = 01°23'40"	Dc = 10°38'14"
T = 53.04	T = 73.93	T = 73.93	T = 125.03	T = 84.31	T = 102.10	T = 102.10	T = 107.62	T = 109.50	T = 109.50	T = 109.17
R = 197.53	R = 515.12	R = 418.38	R = 654.83	R = 202.71	R = 1348.53	R = 254.10	R = 210.95	R = 194.25	R = 4109.04	R = 539.41
L = 103.63	L = 146.85	L = 146.35	L = 247.09	L = 159.80	L = 203.80	L = 194.16	L = 199.02	L = 199.42	L = 218.94	L = 215.43
C = 102.44	C = 146.36	C = 145.60	C = 245.63	C = 155.70	C = 203.61	C = 189.47	C = 191.72	C = 190.77	C = 218.92	C = 214.00
E = 7.00	E = 5.28	E = 6.48	E = 11.83	E = 16.84	E = 3.86	E = 19.74	E = 25.86	E = 28.74	E = 1.46	E = 10.94
M = 6.76	M = 5.22	M = 6.38	M = 11.62	M = 15.54	M = 3.85	M = 18.32	M = 23.04	M = 25.03	M = 1.46	M = 10.72
PI Sta = 3+64.15	PI Sta = 5+24.18	PI Sta = 6+71.03	PI Sta = 10+21.43	PI Sta = 12+27.80	PI Sta = 14+05.38	PI Sta = 16+09.19	PI Sta = 19+16.19	PI Sta = 21+17.10	PI Sta = 23+16.52	PI Sta = 27+42.30

TRAIL "D"

CURVE 1D	CURVE 2D	CURVE 3D	CURVE 4D	CURVE 5D	CURVE 6D	CURVE 7D	CURVE 8D	CURVE 9D	CURVE 10D
D = 35°47'12"	D = 33°16'44"	D = 18°00'43"	D = 47°51'34"	D = 43°25'33"	D = 29°09'48"	D = 21°04'39"	D = 31°24'34"	D = 17°09'56"	D = 49°18'11"
Da = 56°28'42"	Da = 24°13'18"	Da = 15°59'17"	Da = 44°45'54"	Da = 28°09'33"	Da = 37°08'13"	Da = 28°32'05"	Da = 21°04'12"	Da = 05°20'35"	Da = 16°14'46"
Dc = 59°03'30"	Dc = 24°24'21"	Dc = 16°02'25"	Dc = 45°59'23"	Dc = 28°27'02"	Dc = 37°47'04"	Dc = 26°46'40"	Dc = 21°11'26"	Dc = 05°20'42"	Dc = 16°18'04"
T = 32.75	T = 70.70	T = 56.80	T = 56.80	T = 81.02	T = 40.17	T = 40.17	T = 76.46	T = 161.85	T = 161.85
R = 101.45	R = 236.55	R = 358.37	R = 127.99	R = 203.47	R = 154.42	R = 215.93	R = 271.93	R = 1072.35	R = 352.67
L = 63.36	L = 137.39	L = 112.66	L = 106.91	L = 154.22	L = 78.60	L = 79.43	L = 149.07	L = 321.27	L = 303.47
C = 62.34	C = 135.47	C = 112.20	C = 103.83	C = 150.55	C = 77.75	C = 78.99	C = 147.21	C = 320.07	C = 294.20
E = 5.16	E = 10.34	E = 4.47	E = 12.04	E = 15.54	E = 5.14	E = 3.70	E = 10.55	E = 12.15	E = 35.36
M = 4.91	M = 9.91	M = 4.42	M = 11.00	M = 14.44	M = 4.97	M = 3.64	M = 10.15	M = 12.01	M = 32.14
PI Sta = 1+32.75	PI Sta = 3+29.24	PI Sta = 4+66.63	PI Sta = 5+79.29	PI Sta = 7+34.65	PI Sta = 9+75.07	PI Sta = 10+53.67	PI Sta = 12+05.68	PI Sta = 15+81.65	PI Sta = 19+02.92

SCALES:
1" = 50' HOR
1" = 10' VER

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10-00092-00-BT	EFFINGHAM	53	5
CONTRACT NO. 95684			



HATCH LEGEND

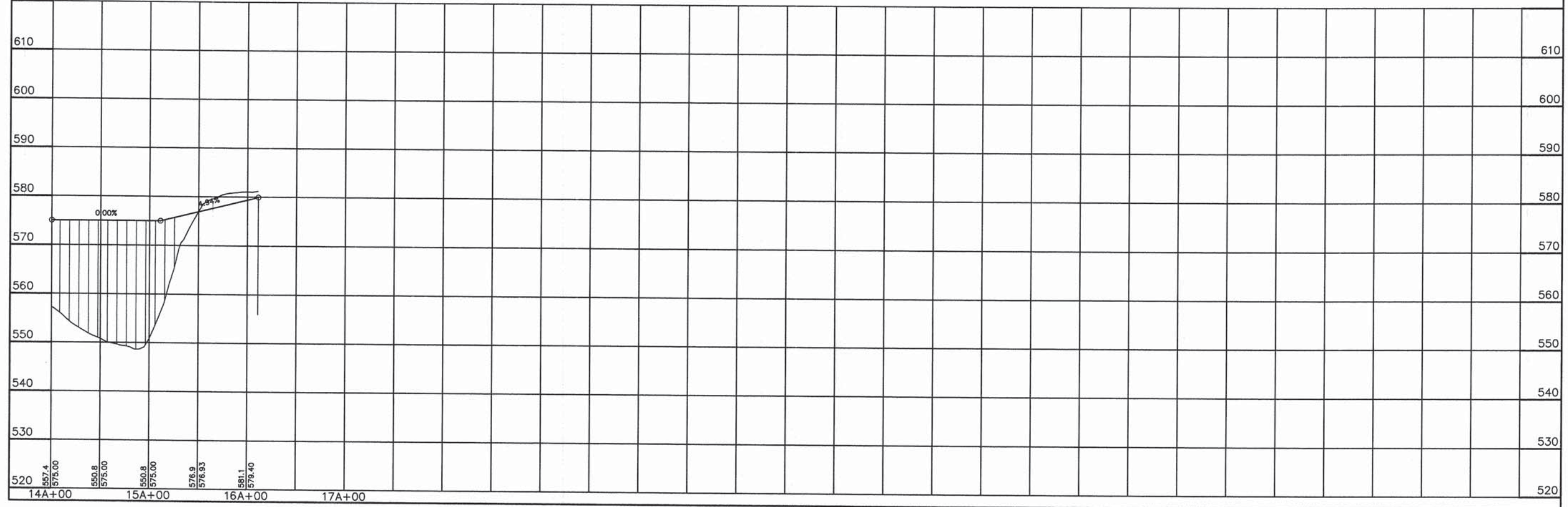
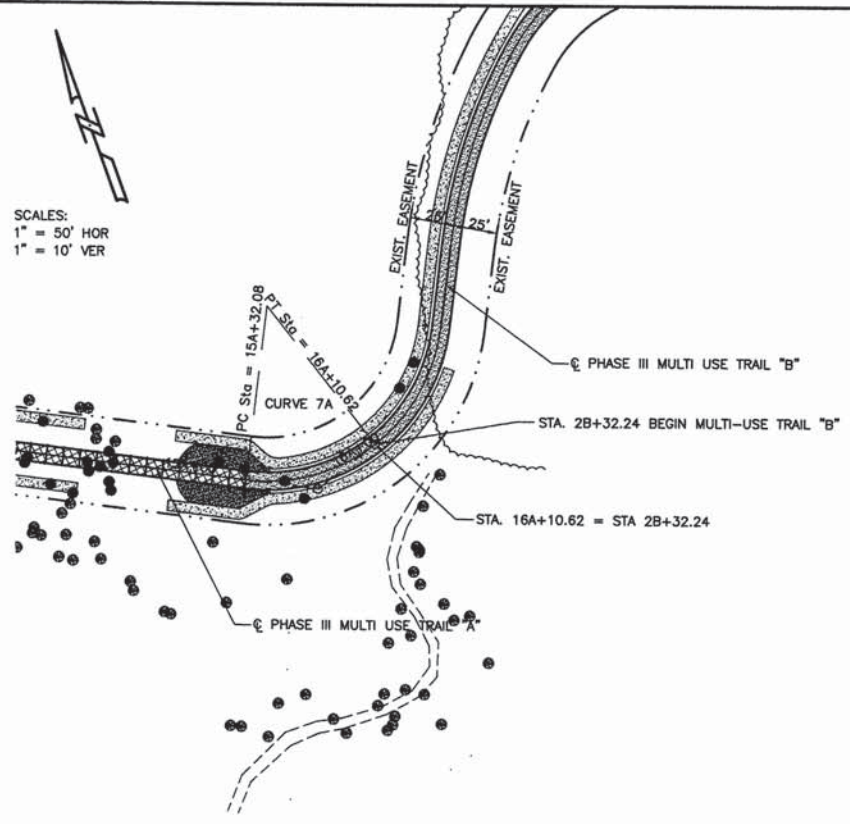
[Hatched Pattern]	P.C.C. SIDEWALK 4"
[Dotted Pattern]	AGGREGATE DITCH
[Cross-hatched Pattern]	STONE DUMPED RIPRAP, CLASS A4
[Diagonal Line Pattern]	WOOD DECKING SPECIAL

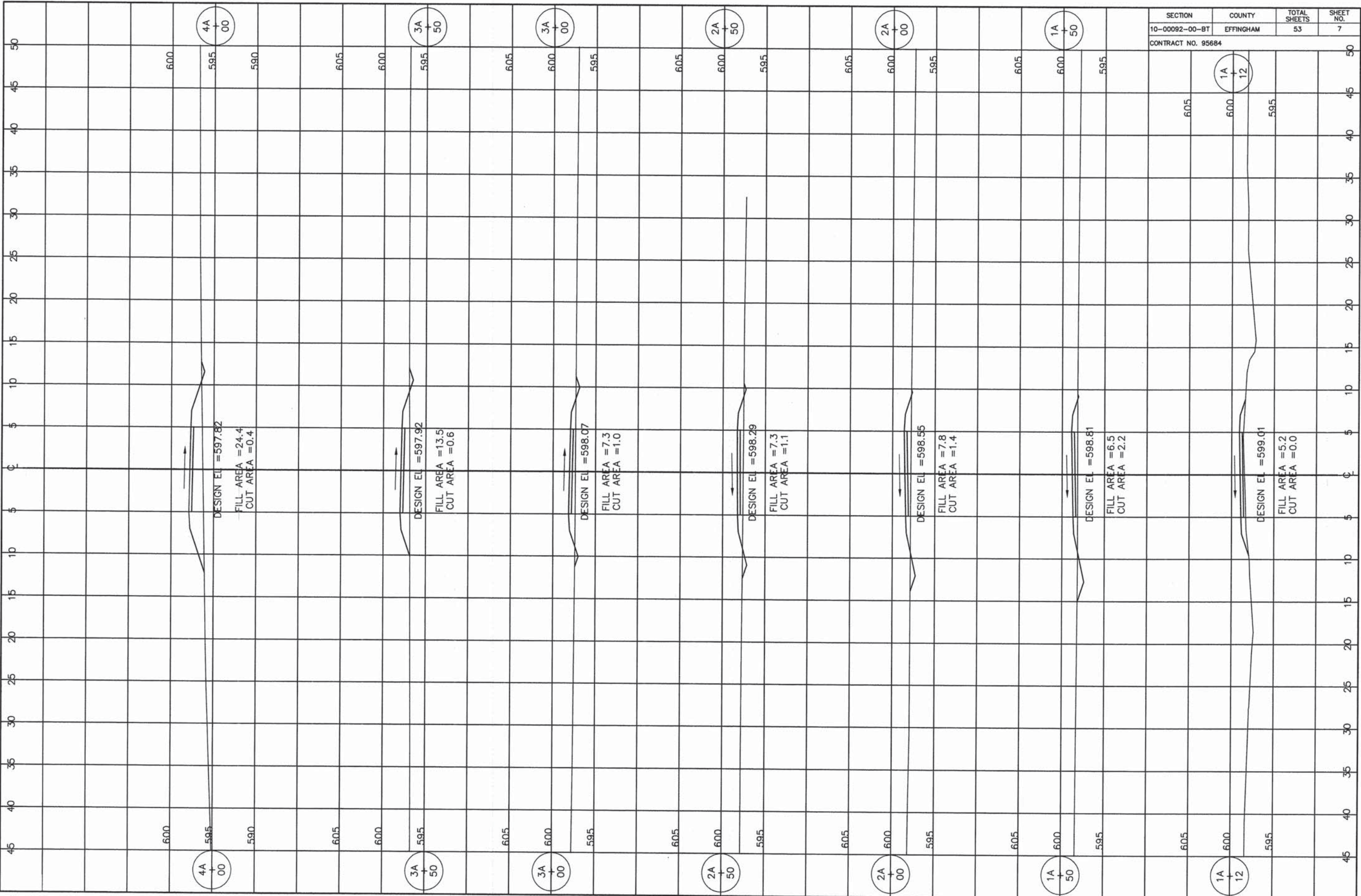
620	EARTHWORK - TRAIL "A"	CU. YD.	620
610	TEMPORARY DITCH CHECKS	FOOT	610
600	TOTAL	28 FOOT	600
590			590
580	TREE REMOVAL	ACRE	580
570	SEEDING, CLASS 2 (SPECIAL)	ACRE	570
560	SEEDING (SPECIAL)	ACRE	560
550	TELE. STEEL SIGN SUPPORTS	FOOT	550
540			540
530			530

NAME PLATES	EACH	1	LT. STA. 9A+40
BENCHES	EACH	1	LT. STA. 9A+40
WOOD DECKING SPECIAL 1	SQ. FT.	1850	STA. 13A+50 TO 15A+35
STONE DUMPED RIPRAP, CL A4	TON	610	LT. & RT. STA. 13A+50 LT. & RT. STA. 15A+35
BOLLARDS	EACH	1	STA. 13A+48
	TOTAL	2 EACH	
INLET & PIPE PROTECTION	EACH	1	STA. 4A+42
P.C. CONCRETE SIDEWALK 4"	SQ. FT.	12,350	STA. 1A+12 TO 13A+47
	TOTAL	13,100 SQ. FT.	STA. 15A+35 TO 16A+10
SIGN PANEL - TYPE 1	SQ. FT.	36.8	STA. 1A+12 TO 13A+36
PIPE CULV., CL D, TY-1 12"	FOOT	20	STA. 4A+42
AGGREGATE DITCH	TON	10	LT. & RT. STA. 4A+42
	TOTAL	230 TON	LT. & RT. STA. 12A+25 TO 14A+35 LT. & RT. STA. 14A+80 TO 16A+10
WOOD GUARD RAIL	FOOT	60	LT. & RT. STA. 13A+50
	TOTAL	90 FT	LT. & RT. STA. 15A+35

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10-00092-00-BT	EFFINGHAM	53	6
CONTRACT NO. 95684			

SCALES:
 1" = 50' HOR
 1" = 10' VER





SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10-00092-00-BT	EFFINGHAM	53	7
CONTRACT NO. 95684			

DESIGN EL = 597.82
 FILL AREA = 24.4
 CUT AREA = 0.4

DESIGN EL = 597.92
 FILL AREA = 13.5
 CUT AREA = 0.6

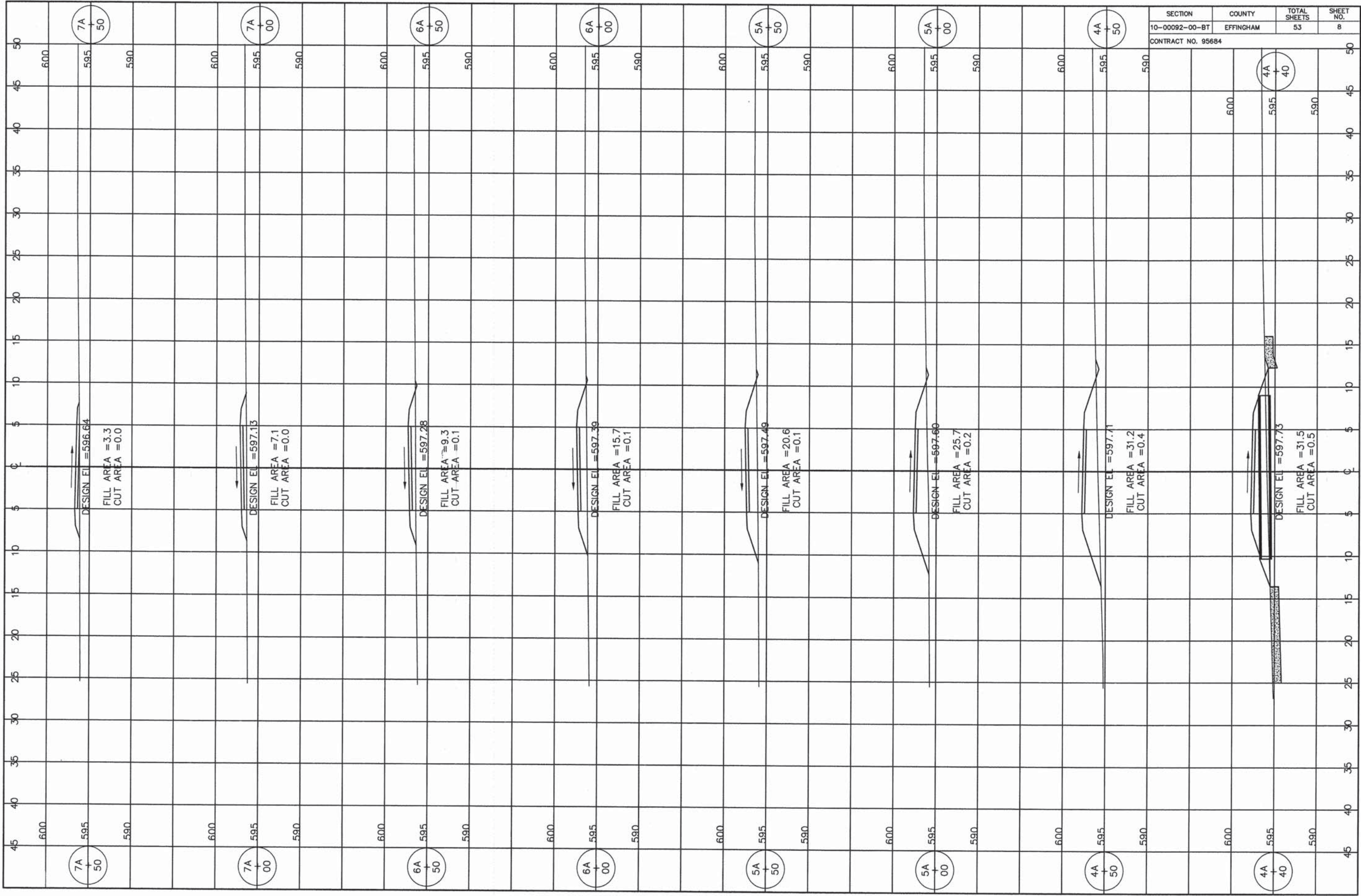
DESIGN EL = 598.07
 FILL AREA = 7.3
 CUT AREA = 1.0

DESIGN EL = 598.29
 FILL AREA = 7.3
 CUT AREA = 1.1

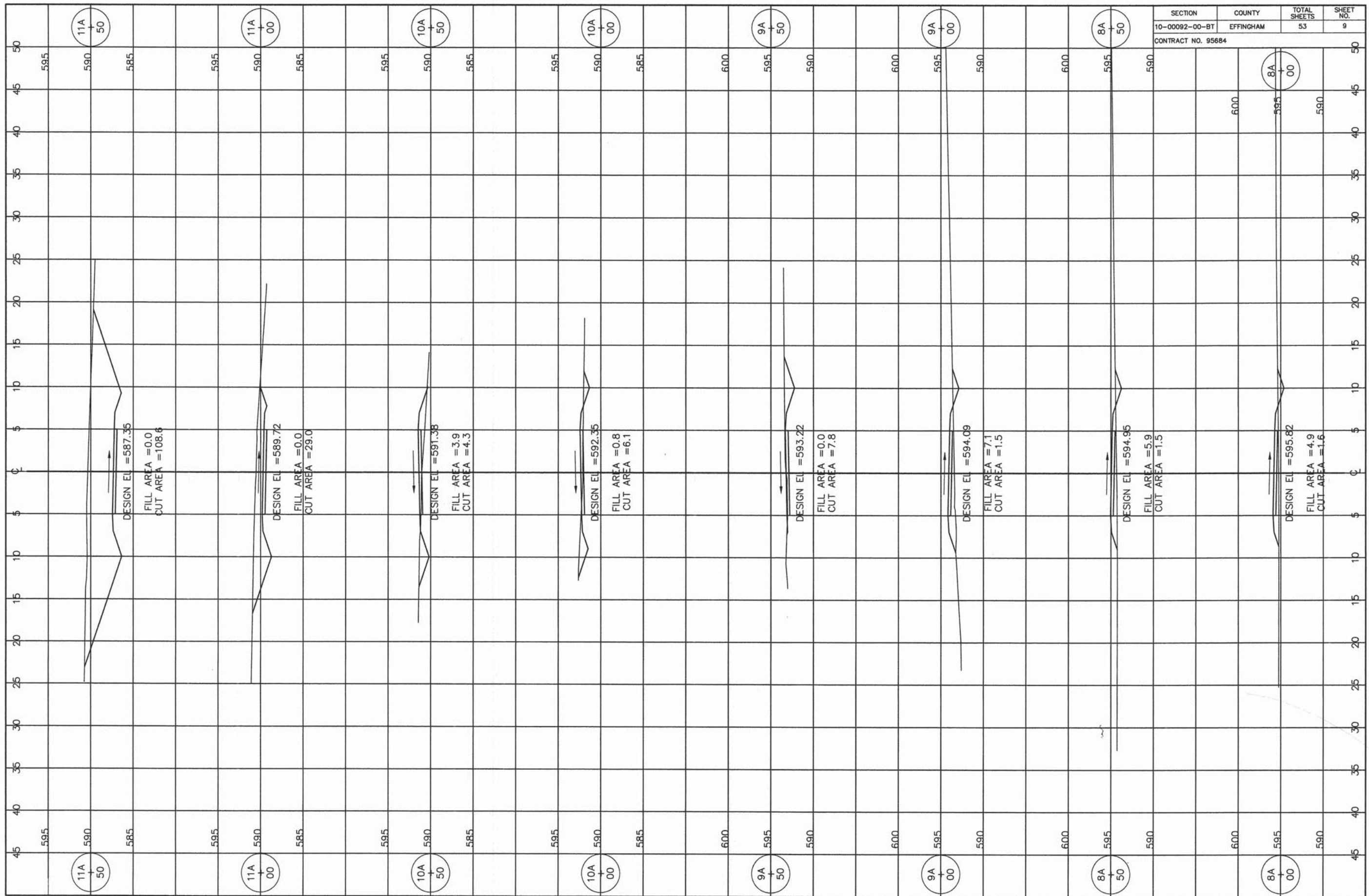
DESIGN EL = 598.55
 FILL AREA = 7.8
 CUT AREA = 1.4

DESIGN EL = 598.81
 FILL AREA = 6.5
 CUT AREA = 2.2

DESIGN EL = 599.01
 FILL AREA = 5.2
 CUT AREA = 0.0



SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10-00092-00-BT	EFFINGHAM	53	8
CONTRACT NO. 95684			



SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10-00092-00-BT	EFFINGHAM	53	9

CONTRACT NO. 95684

11A
+
50

11A
+
00

10A
+
50

10A
+
00

9A
+
50

9A
+
00

8A
+
50

8A
+
00

11A
+
50

11A
+
00

10A
+
50

10A
+
00

9A
+
50

9A
+
00

8A
+
50

8A
+
00

DESIGN EL = 587.35
FILL AREA = 0.0
CUT AREA = 108.6

DESIGN EL = 589.72
FILL AREA = 0.0
CUT AREA = 29.0

DESIGN EL = 591.38
FILL AREA = 3.9
CUT AREA = 4.3

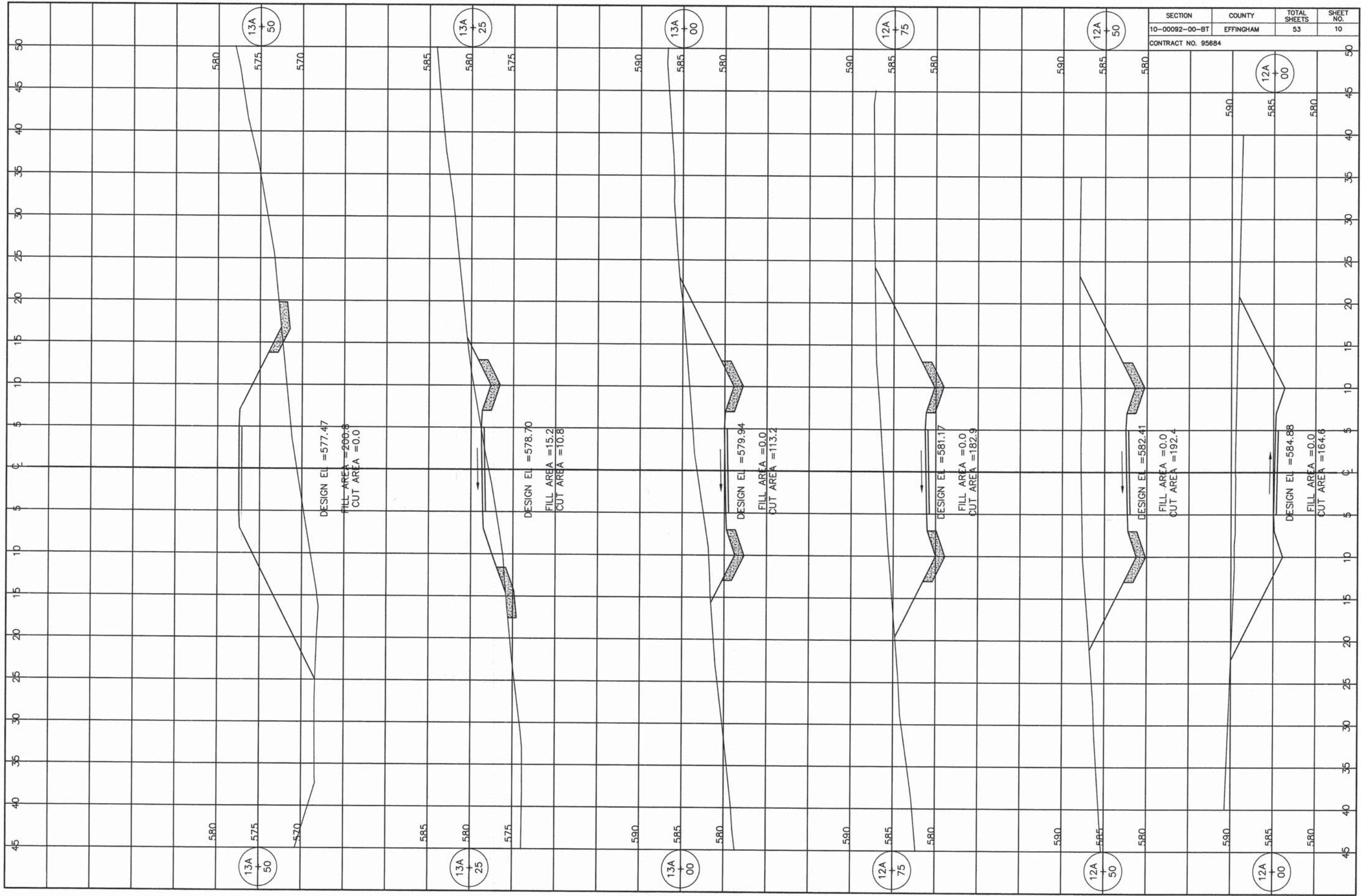
DESIGN EL = 592.35
FILL AREA = 0.8
CUT AREA = 6.1

DESIGN EL = 593.22
FILL AREA = 0.0
CUT AREA = 7.8

DESIGN EL = 594.09
FILL AREA = 7.1
CUT AREA = 1.5

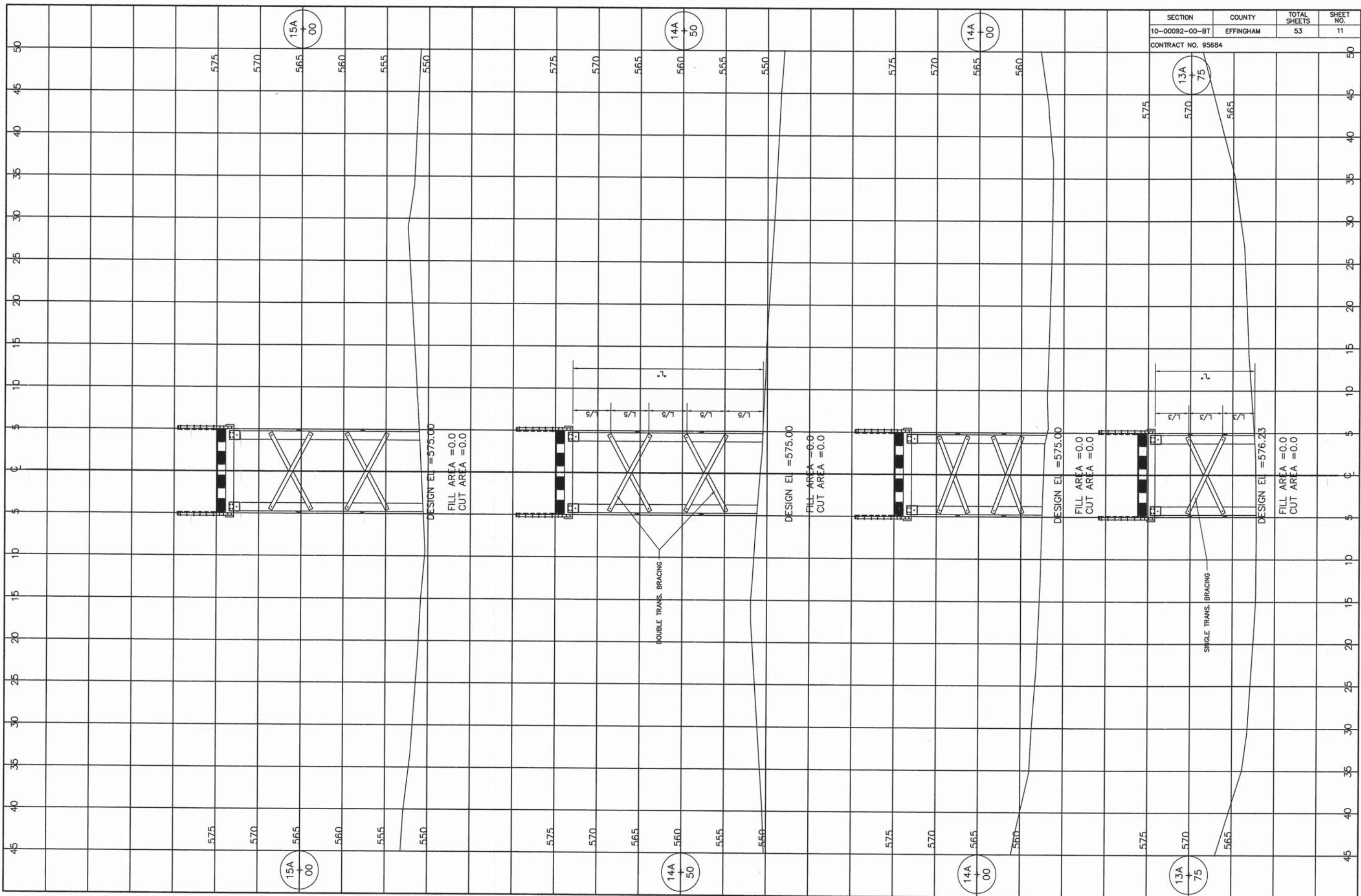
DESIGN EL = 594.95
FILL AREA = 5.9
CUT AREA = 1.5

DESIGN EL = 595.82
FILL AREA = 4.9
CUT AREA = 1.6



SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10-00092-00-BT	EFFINGHAM	53	10

CONTRACT NO. 95684



SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10-00092-00-BT	EFFINGHAM	53	11

CONTRACT NO. 95684

15A
+
00

14A
+
50

14A
+
00

13A
+
75

15A
+
00

14A
+
50

14A
+
00

13A
+
75

DESIGN EI = 575.00
FILL AREA = 0.0
CUT AREA = 0.0

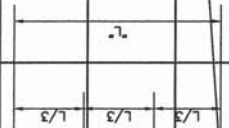
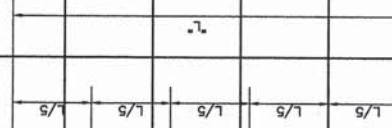
DESIGN EI = 575.00
FILL AREA = 0.0
CUT AREA = 0.0

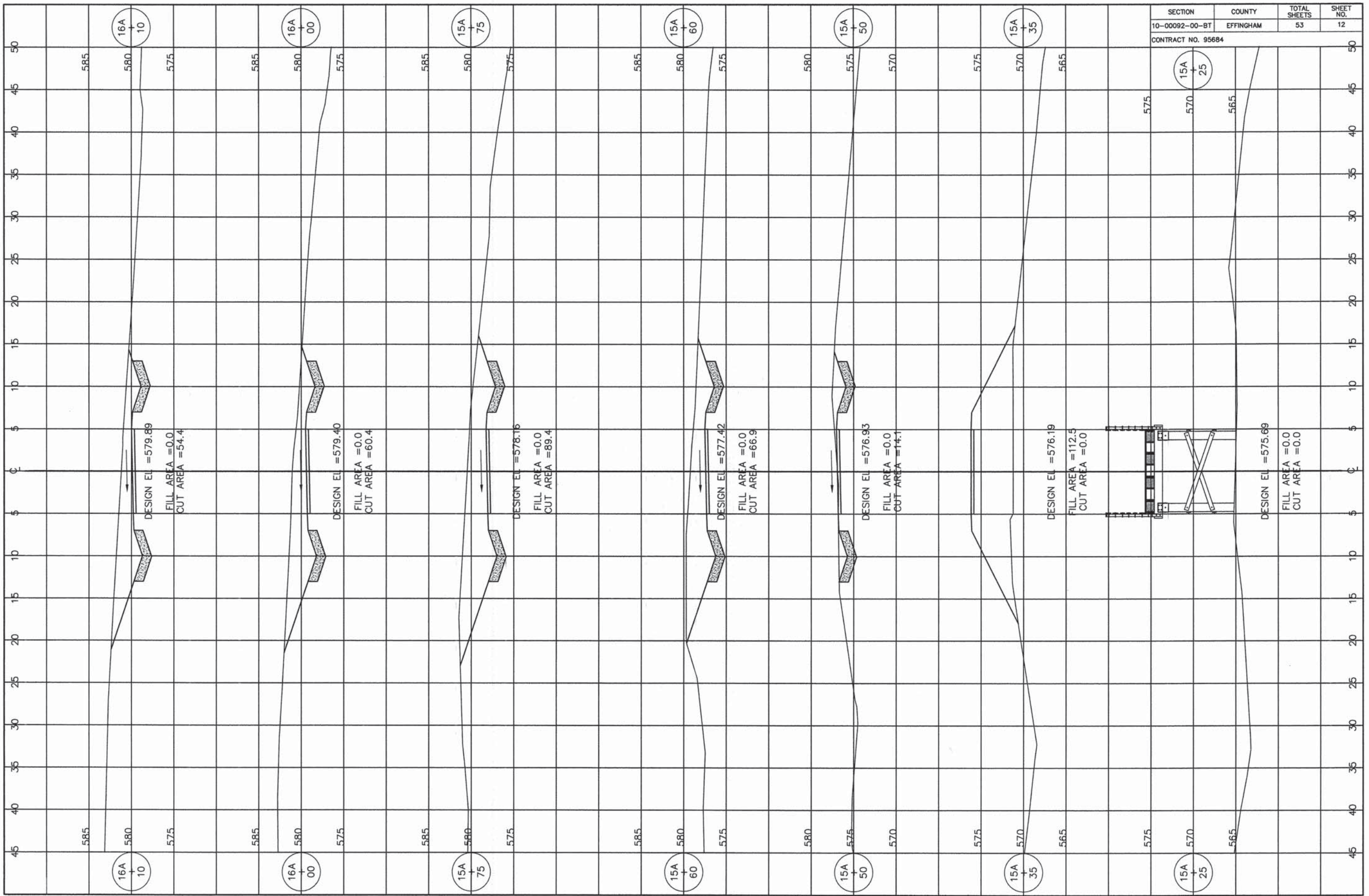
DESIGN EI = 575.00
FILL AREA = 0.0
CUT AREA = 0.0

DESIGN EI = 576.23
FILL AREA = 0.0
CUT AREA = 0.0

DOUBLE TRANS. BRACING

SINGLE TRANS. BRACING

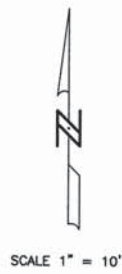




SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10-00092-00-BT	EFFINGHAM	53	12

CONTRACT NO. 95684

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10-00092-00-BT	EFFINGHAM	53	13
CONTRACT NO. 95684			

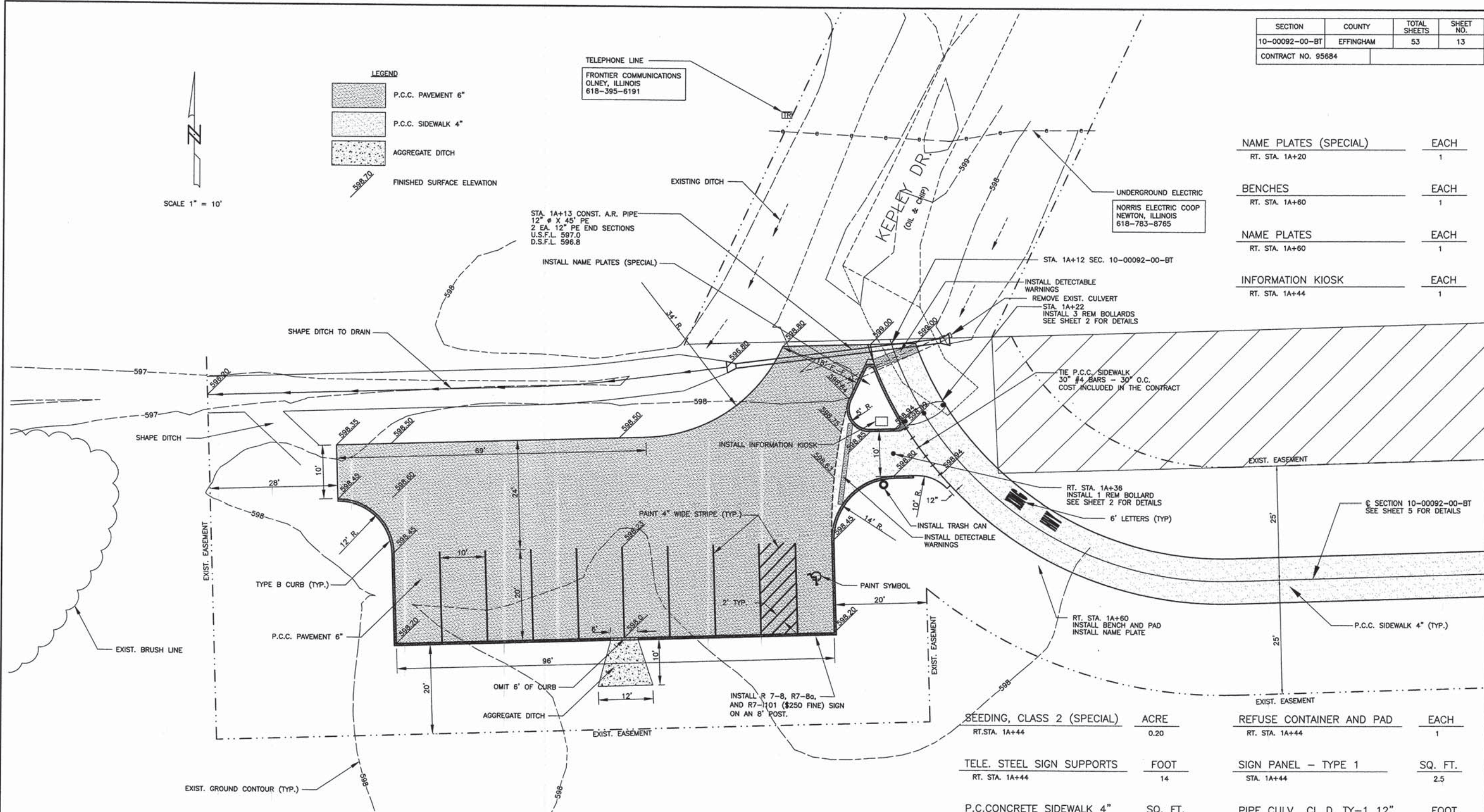


LEGEND

	P.C.C. PAVEMENT 6"
	P.C.C. SIDEWALK 4"
	AGGREGATE DITCH
	FINISHED SURFACE ELEVATION

TELEPHONE LINE
FRONTIER COMMUNICATIONS
OLNEY, ILLINOIS
618-395-6191

UNDERGROUND ELECTRIC
NORRIS ELECTRIC COOP
NEWTON, ILLINOIS
618-783-8765

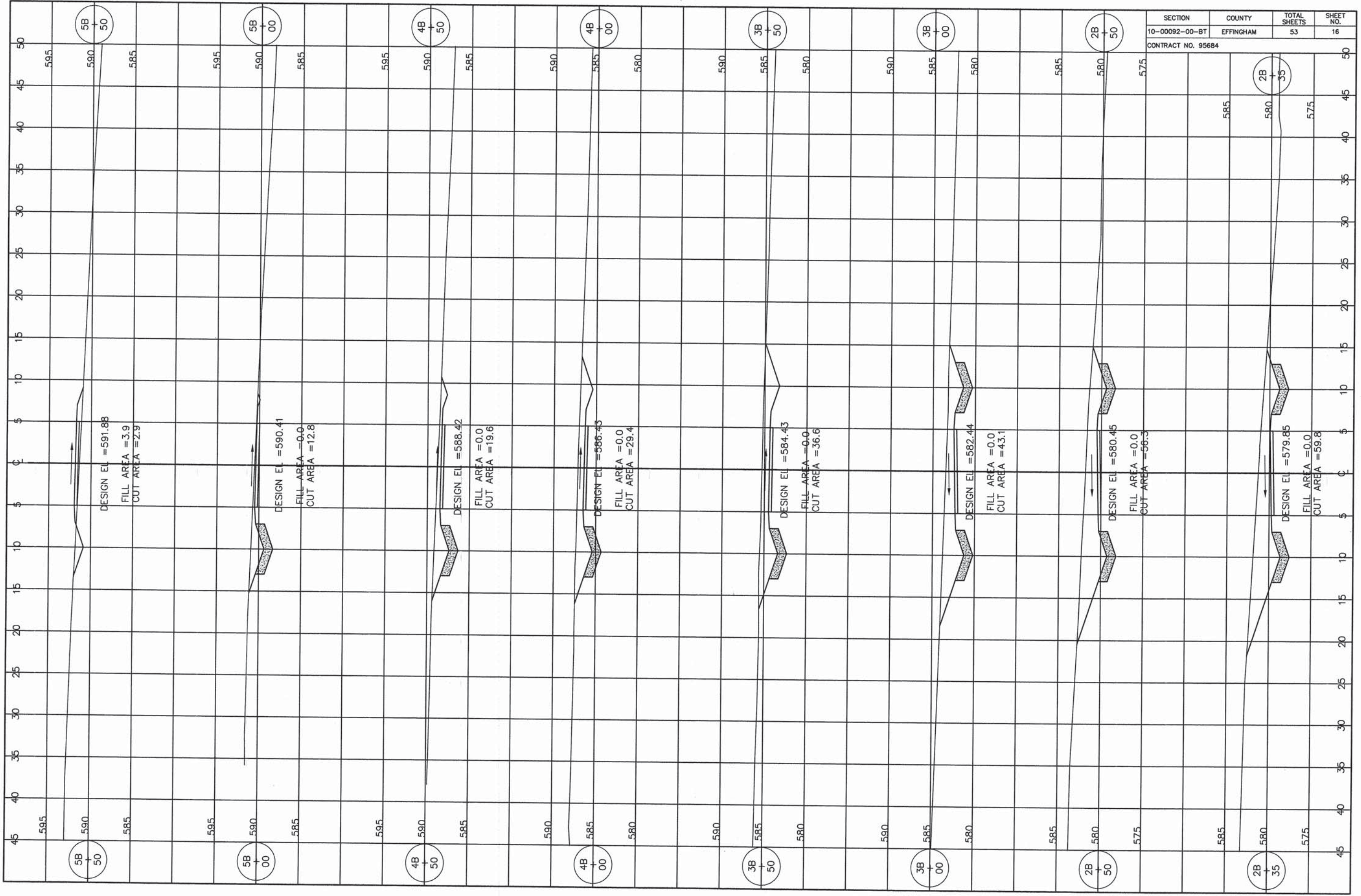


NAME PLATES (SPECIAL) RT. STA. 1A+20	EACH 1
BENCHES RT. STA. 1A+60	EACH 1
NAME PLATES RT. STA. 1A+60	EACH 1
INFORMATION KIOSK RT. STA. 1A+44	EACH 1

SEEDING, CLASS 2 (SPECIAL) RT. STA. 1A+44	ACRE 0.20	REFUSE CONTAINER AND PAD RT. STA. 1A+44	EACH 1
TELE. STEEL SIGN SUPPORTS RT. STA. 1A+44	FOOT 14	SIGN PANEL - TYPE 1 STA. 1A+44	SQ. FT. 2.5
P.C. CONCRETE SIDEWALK 4" RT. STA. 1A+44	SQ. FT. 245	PIPE CULV., CL D, TY-1 12" STA. 1A+13	FOOT 45
FLARED END SECTIONS 12" LT. & RT. STA. 1A+13	EACH 2	AGGREGATE DITCH RT. STA. 1A+90	TON 5
P.C.C. PAVEMENT 6" RT. STA. 1A+44	SQ. YD. 542	BOLLARDS STA. 1A+22	EACH 4
DETECTABLE WARNINGS STA. 1A+15 RT. STA. 1A+44	SQ. FT. 20 36	CONCRETE CURB, TYPE B RT. STA. 1A+44	FOOT 230
TOTAL			
56			

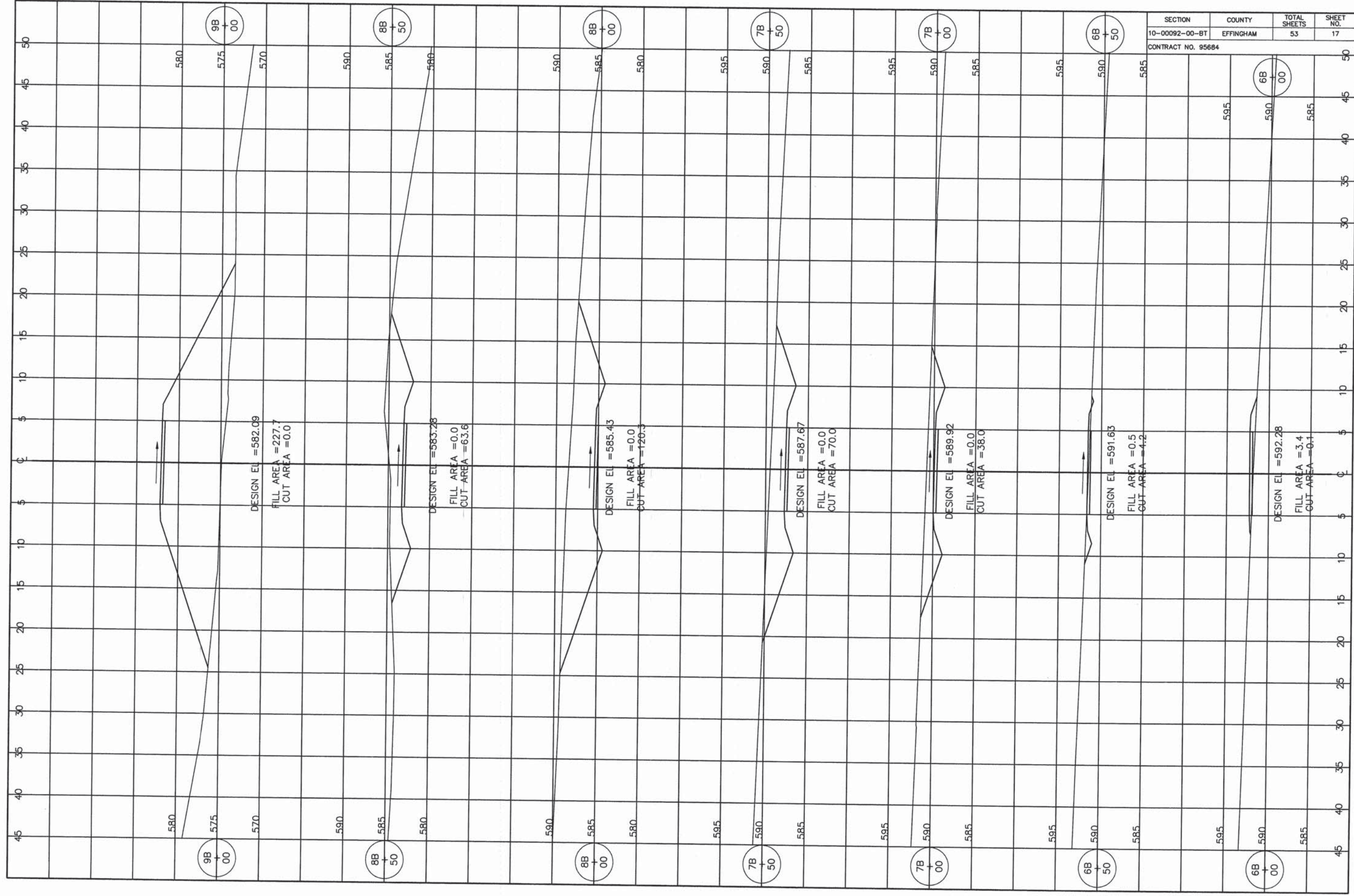
PAINT PAV'T. MARKING - LINE 4" RT. STA. 1A+44	FOOT 260
PAINT PAV'T. MARKING - LET. & SYM. RT. STA. 1A+44	SQ. FT. 38
PIPE CULVERT REMOVAL STA. 1A+13	FOOT 27

PARKING AREA 1 DETAIL



SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10-00092-00-BT	EFFINGHAM	53	16

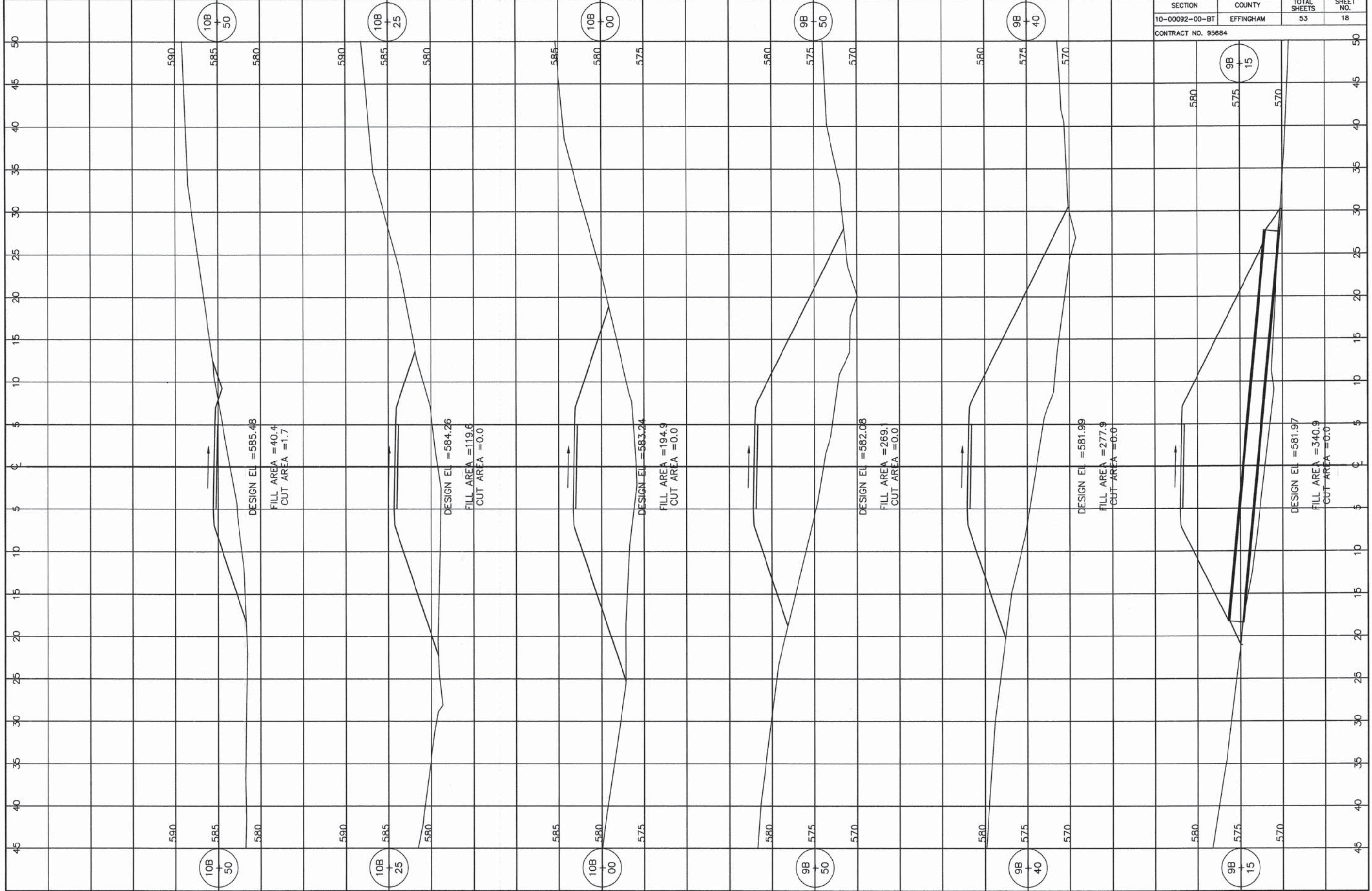
CONTRACT NO. 95684

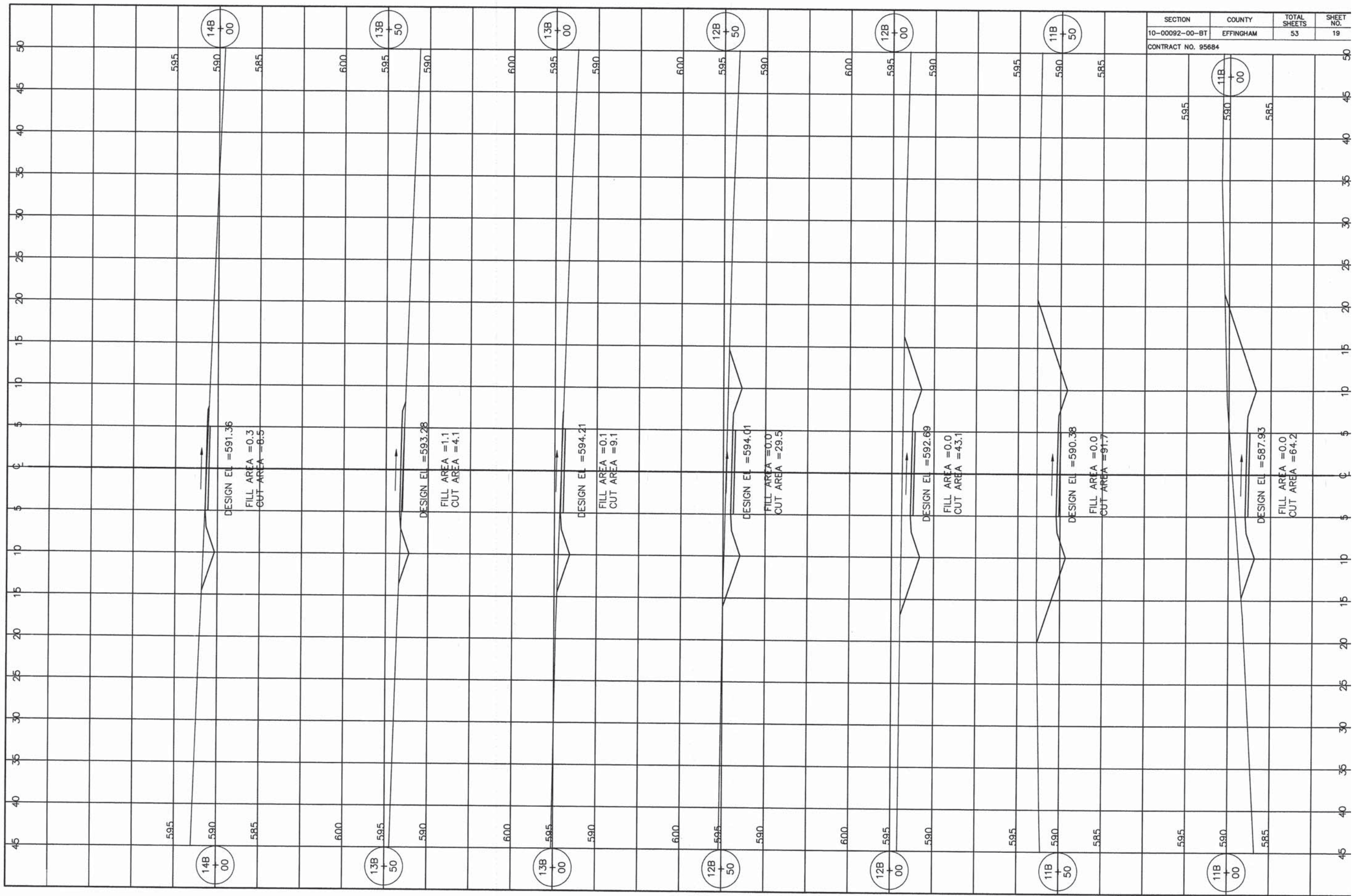


SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10-00092-00-BT	EFFINGHAM	53	17

CONTRACT NO. 95684

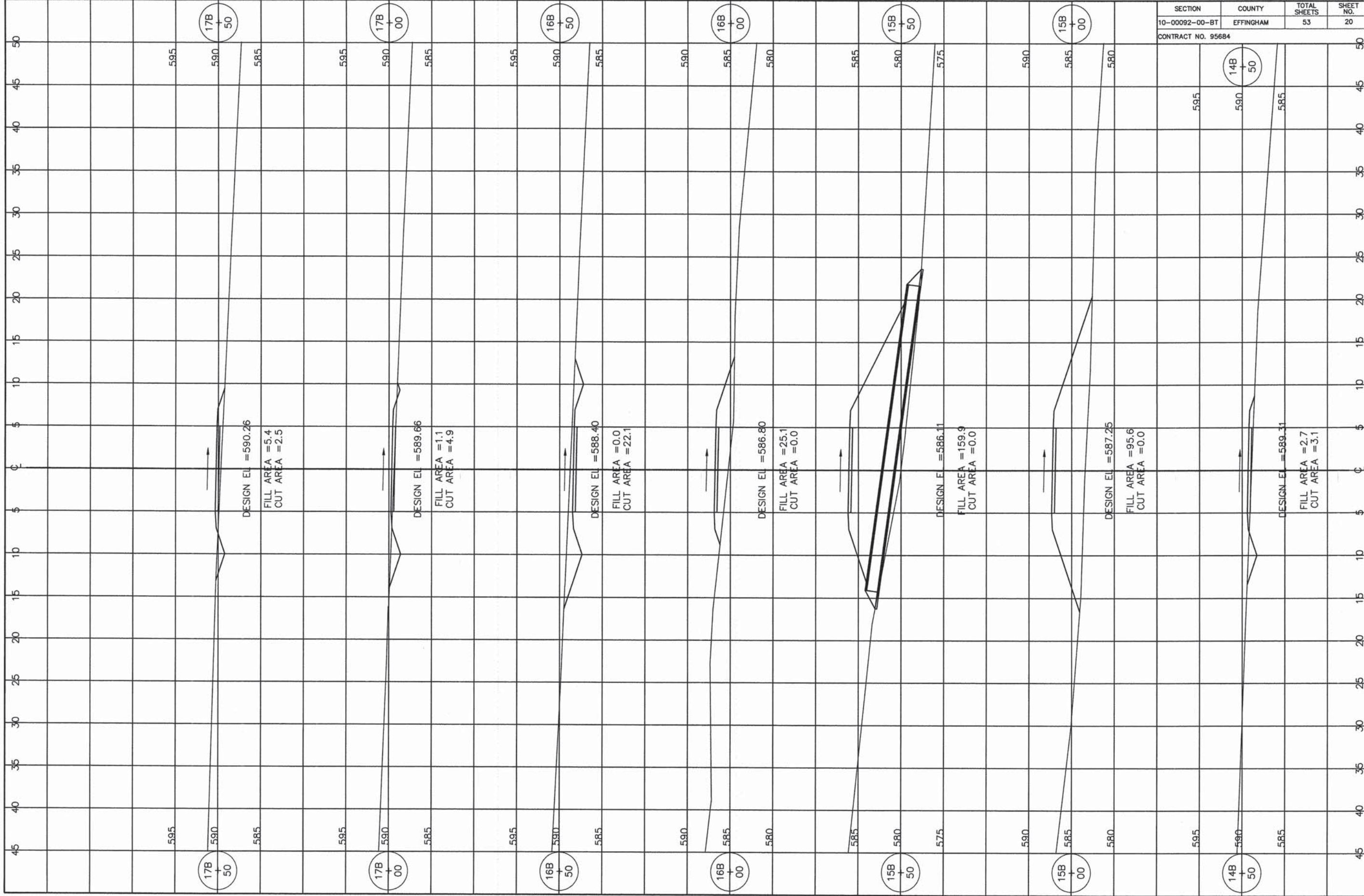
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10-00092-00-BT	EFFINGHAM	53	18
CONTRACT NO. 95684			





SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10-00092-00-BT	EFFINGHAM	53	19

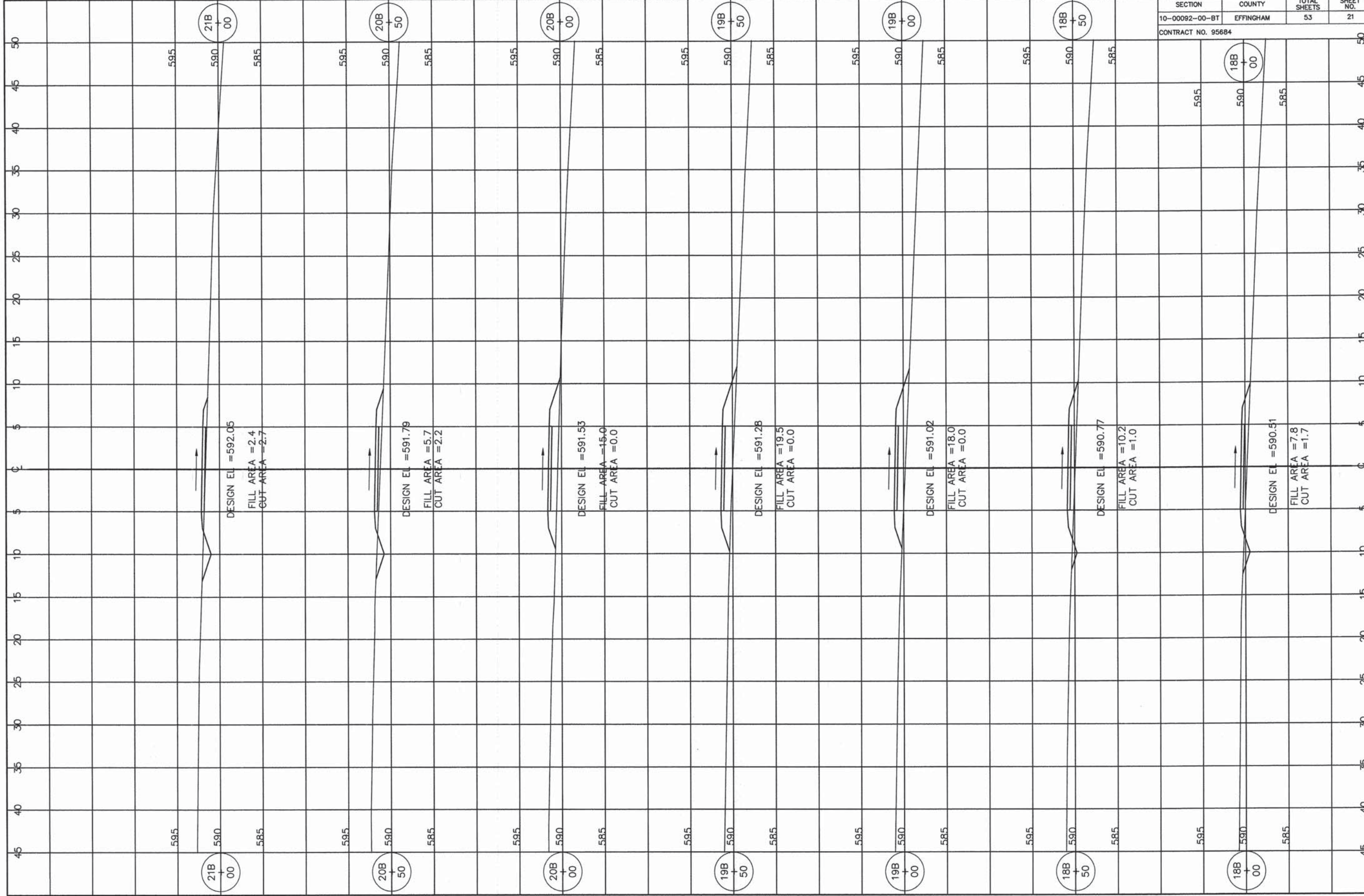
CONTRACT NO. 95684



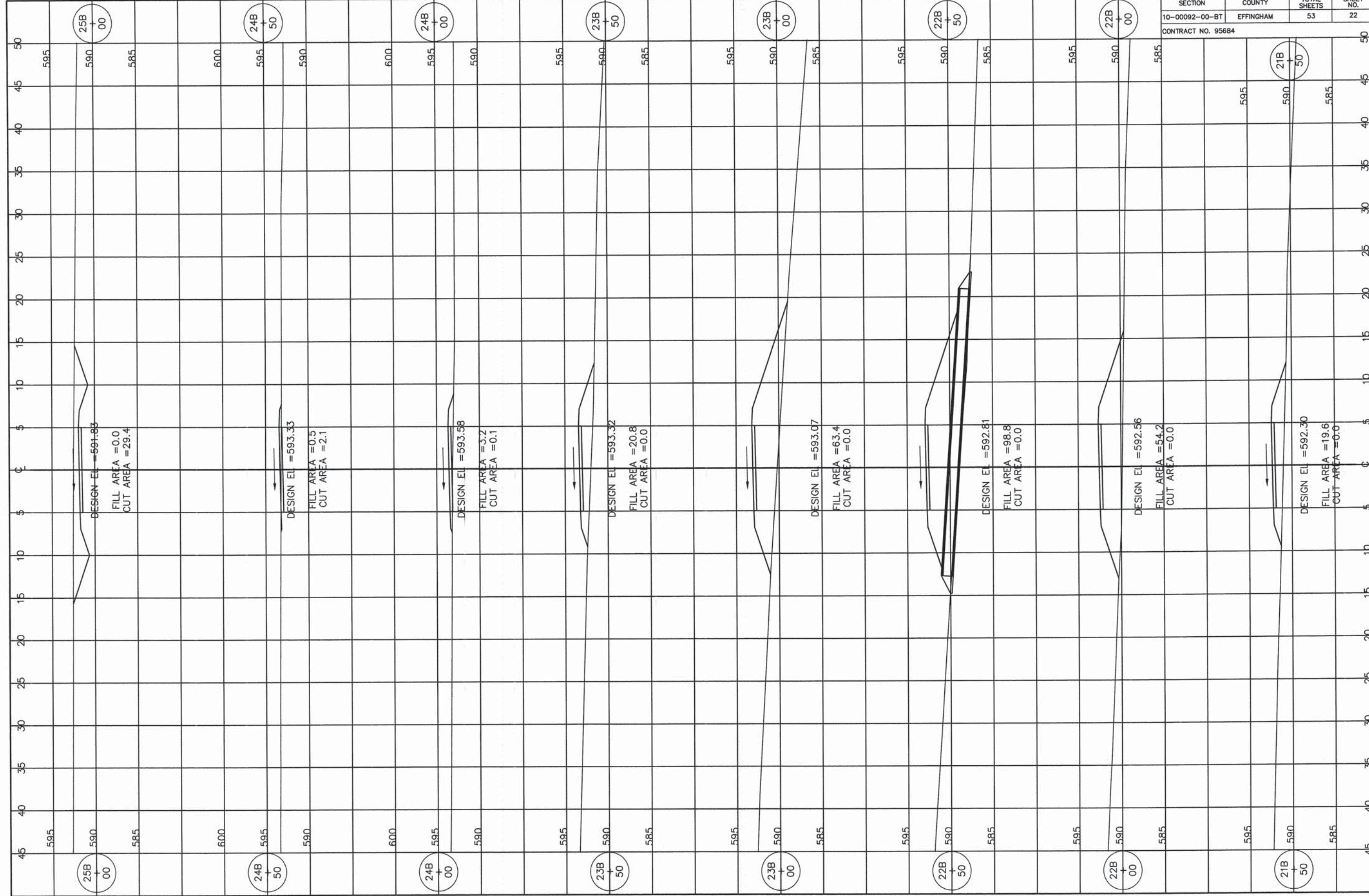
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10-0092-00-BT	EFFINGHAM	53	20

CONTRACT NO. 95684

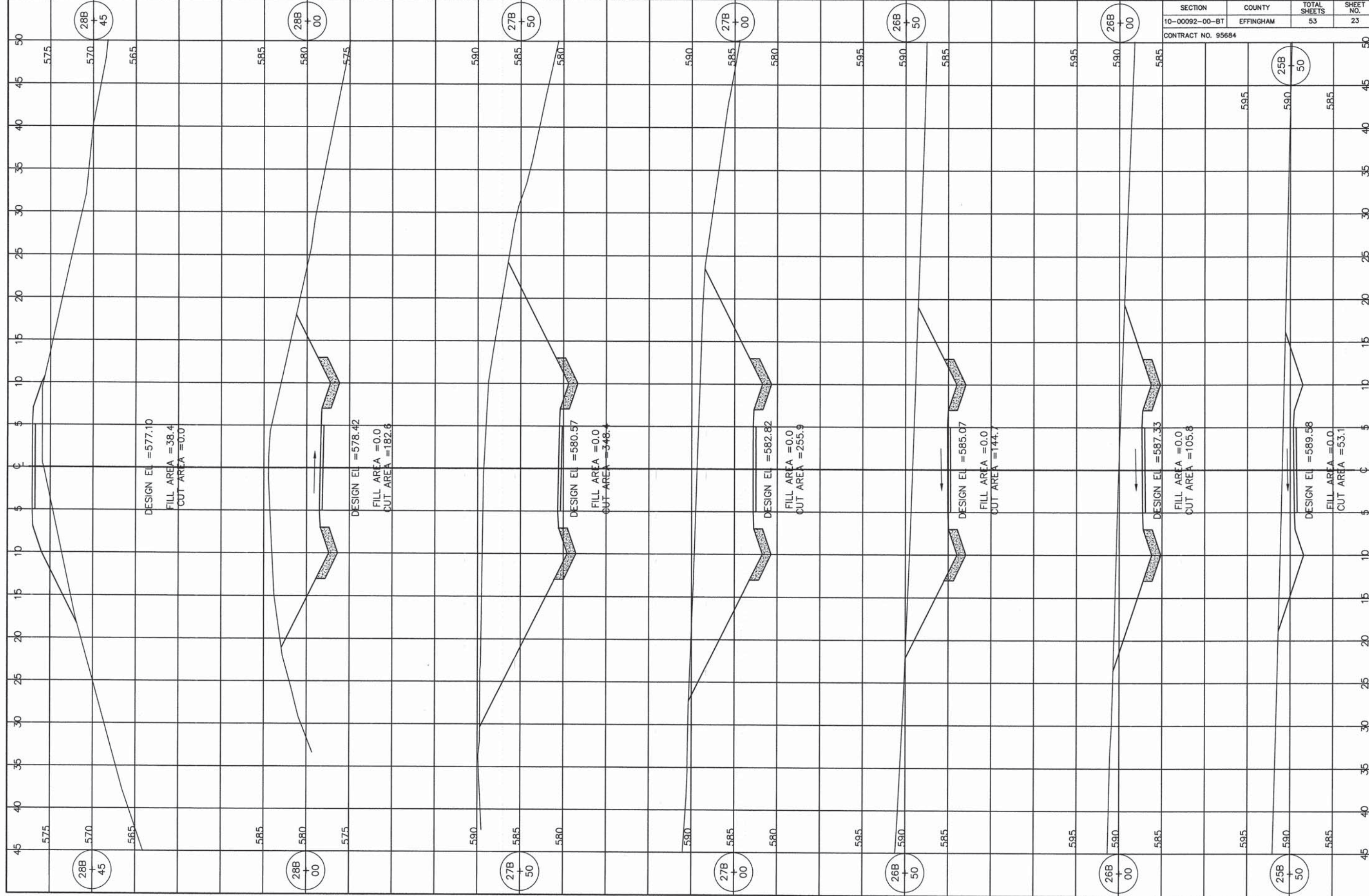
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10-00092-00-BT	EFFINGHAM	53	21
CONTRACT NO. 95684			



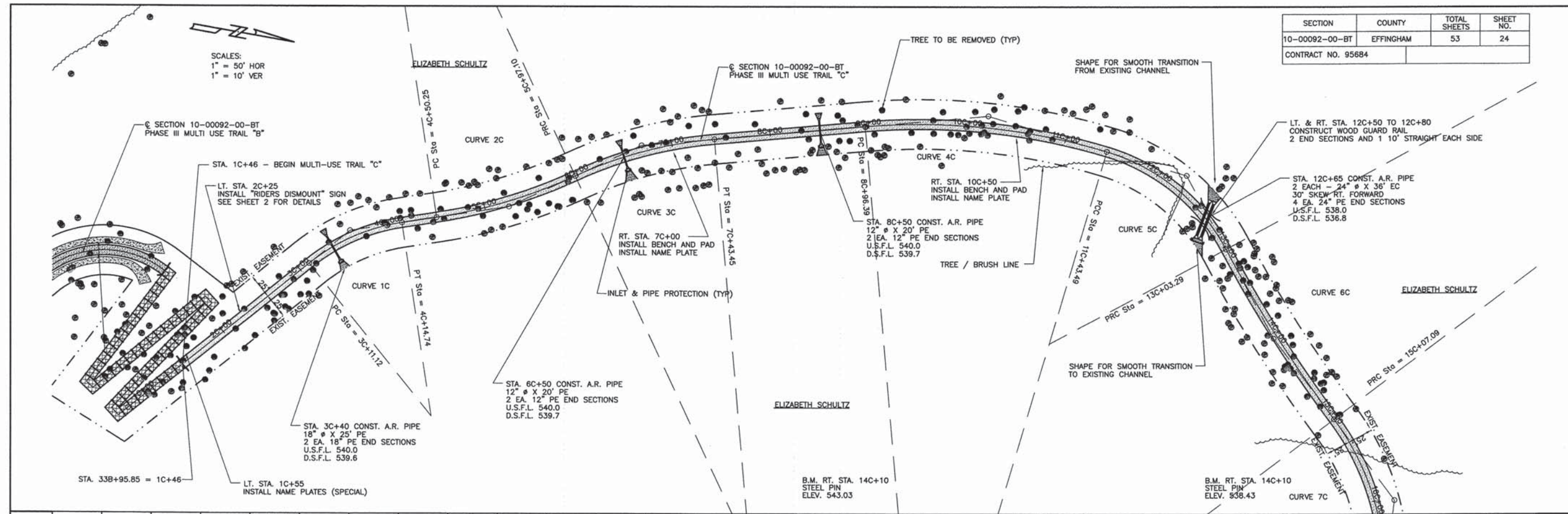
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10-00092-00-BT	EFFINGHAM	53	22
CONTRACT NO. 95684			



SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10-00092-00-BT	EFFINGHAM	53	23
CONTRACT NO. 95684			



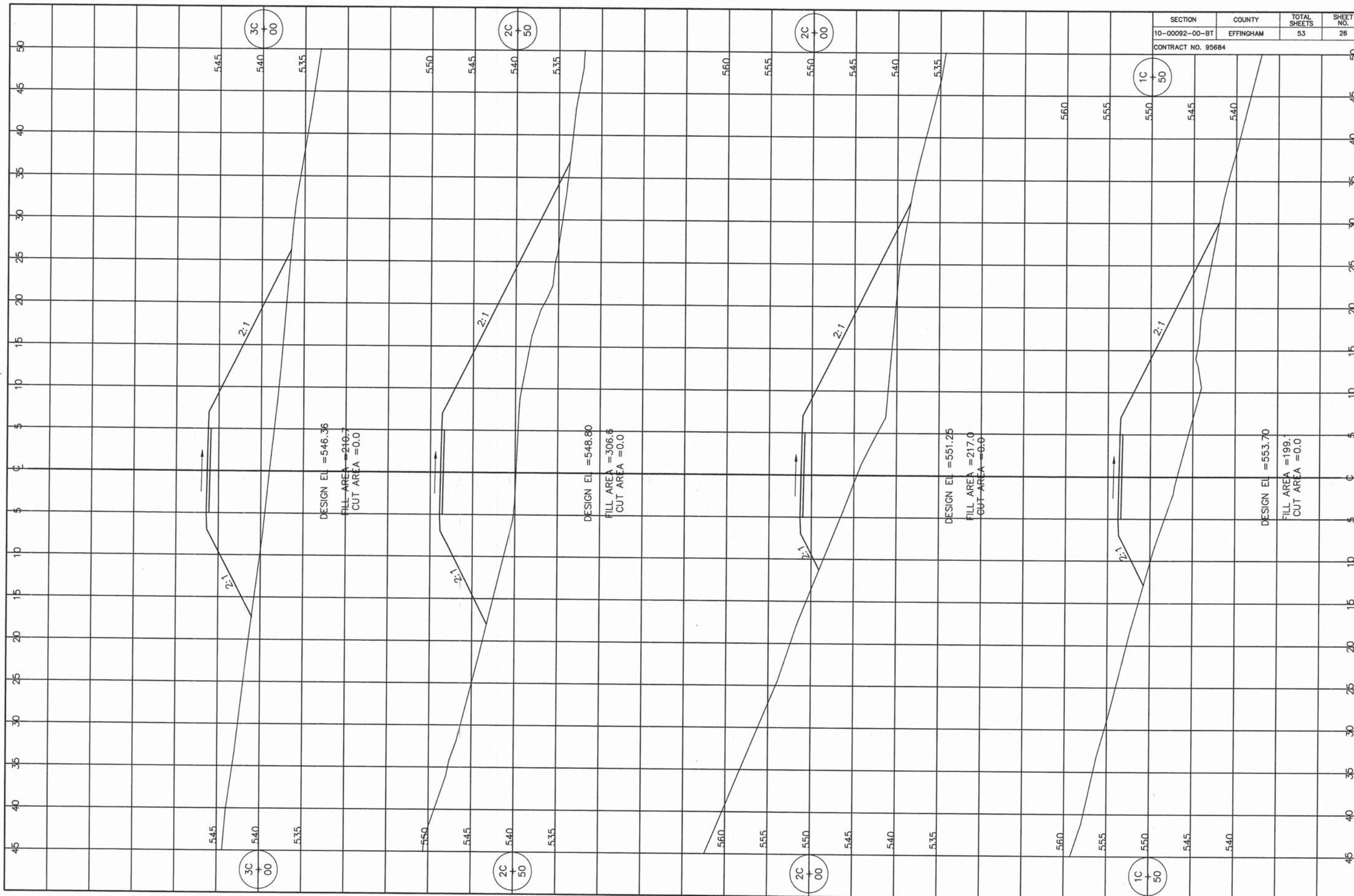
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10-00092-00-BT	EFFINGHAM	53	24
CONTRACT NO. 95684			



580	EARTHWORK - TRAIL "C"	CU. YD.	PIPE CULV., CL D, TY-1 18"	FOOT	SEEDING, (SPECIAL)	ACRE	NAME PLATES	EACH	58								
	EARTH EXCAVATION EMBANKMENT	970 2980	STA. 3C+40	25	STA. 1C+46 TO 15C+00	1.25	RT. STA. 7C+00 LT. STA. 10C+50	1 2									
570			FLARED END SECTIONS 18"	EACH	WOOD GUARD RAIL	FOOT	NAME PLATES (\$PL)	EACH	57								
			STA. 3C+40	2	LT. & RT. STA. 1C+46 LT. & RT. STA. 12C+50 TO 12C+80	20 60 TOTAL 80 FOOT	LT. STA. 1C+50	1									
560			TREE REMOVAL	ACRE	BENCHES	EACH			56								
	PROPOSED SURFACE		STA. 1C+46 TO 15C+00	1.25	RT. STA. 7C+00 LT. STA. 10C+50	1 1 TOTAL 2 EACH	VPI STA = 13C+50.00 VPI EL = 541.10 CURVE LEN = 200.00										
550	EXISTING PROFILE		INLET & PIPE PROTECTION	EACH	TELE. STEEL SIGN SUPPORTS	FOOT			55								
	4.90%		STA. 3C+40 STA. 6C+50 STA. 8C+50 STA. 12C+65	1 1 1 1 TOTAL 4 EACH	STA. 2C+25	14											
540									54								
					-0.09%												
530	SIGN PANEL - TYPE 1	SQ. FT.	PIPE CULV., CL D, TY-1 12"	FOOT					53								
	STA. 2C+25	8.1	STA. 6C+50 STA. 8C+50	20 20 TOTAL 40 FOOT													
520	PIPE CULV., CL D, TY- 24"	FOOT			P.C. CONCRETE SIDEWALK 4"	SQ. FT.			52								
	STA. 12C+65	72			STA. 1C+46 TO 15C+00	13,540	VPC STA = 12C+50.00 VPC EL = 541.19										
510	FLARED END SECTIONS 24"	EACH	FLARED END SECTIONS 12"	EACH	AGGREGATE DITCH	TON			51								
	STA. 12C+65	4	STA. 6C+50 STA. 8C+50	2 2 TOTAL 4 EACH	LT. & RT. STA. 3C+40 LT. & RT. STA. 6C+50 LT. & RT. STA. 8C+50 LT. & RT. STA. 12C+65	6 7 7 15 TOTAL 35 TON	VPT STA = 14C+50.00 VPT EL = 537.23										
500									50								
490									49								
	548.8 556.15 546.8 553.70 544.7 551.25 539.9 548.80 539.0 546.36 539.3 543.93 538.9 542.33 539.3 541.90 541.2 541.85 540.5 541.81 539.1 541.76 540.5 541.72 541.9 541.86 541.2 541.63 541.2 541.59 540.9 541.54 541.5 541.50 541.9 541.45 542.5 541.41 541.9 541.37 541.6 541.32 541.0 541.28 539.5 541.23 540.1 541.19 540.2 540.91 539.8 540.15 538.6 538.93 537.0 537.23 535.5 535.29	0+00	1C+00	2C+00	3C+00	4C+00	5C+00	6C+00	7C+00	8C+00	9C+00	10C+00	11C+00	12C+00	13C+00	14C+00	15C+00

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10-00092-00-BT	EFFINGHAM	53	26

CONTRACT NO. 95684



3C
+
00

2C
+
50

2C
+
00

1C
+
50

3C
+
00

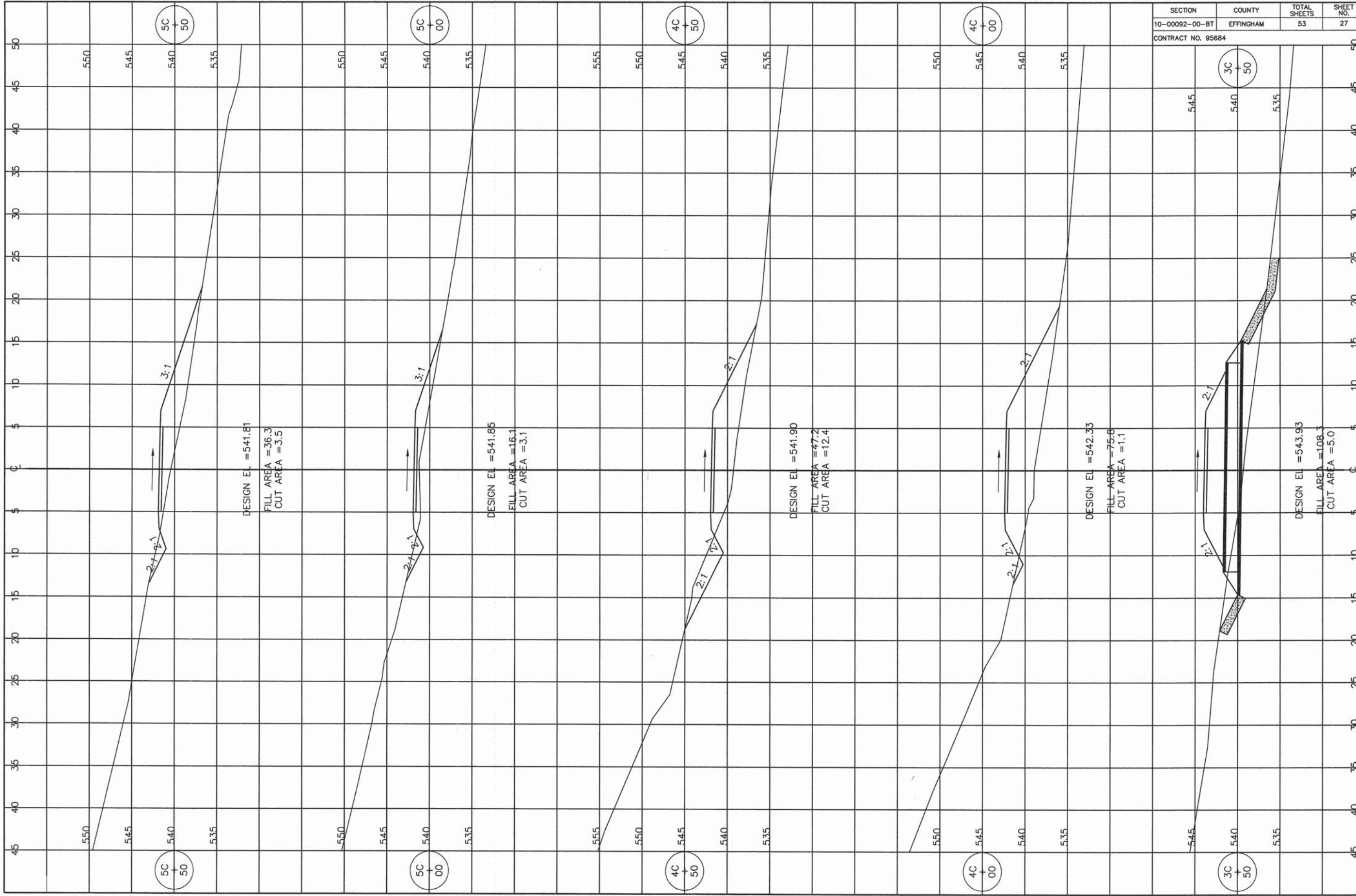
2C
+
50

2C
+
00

1C
+
50

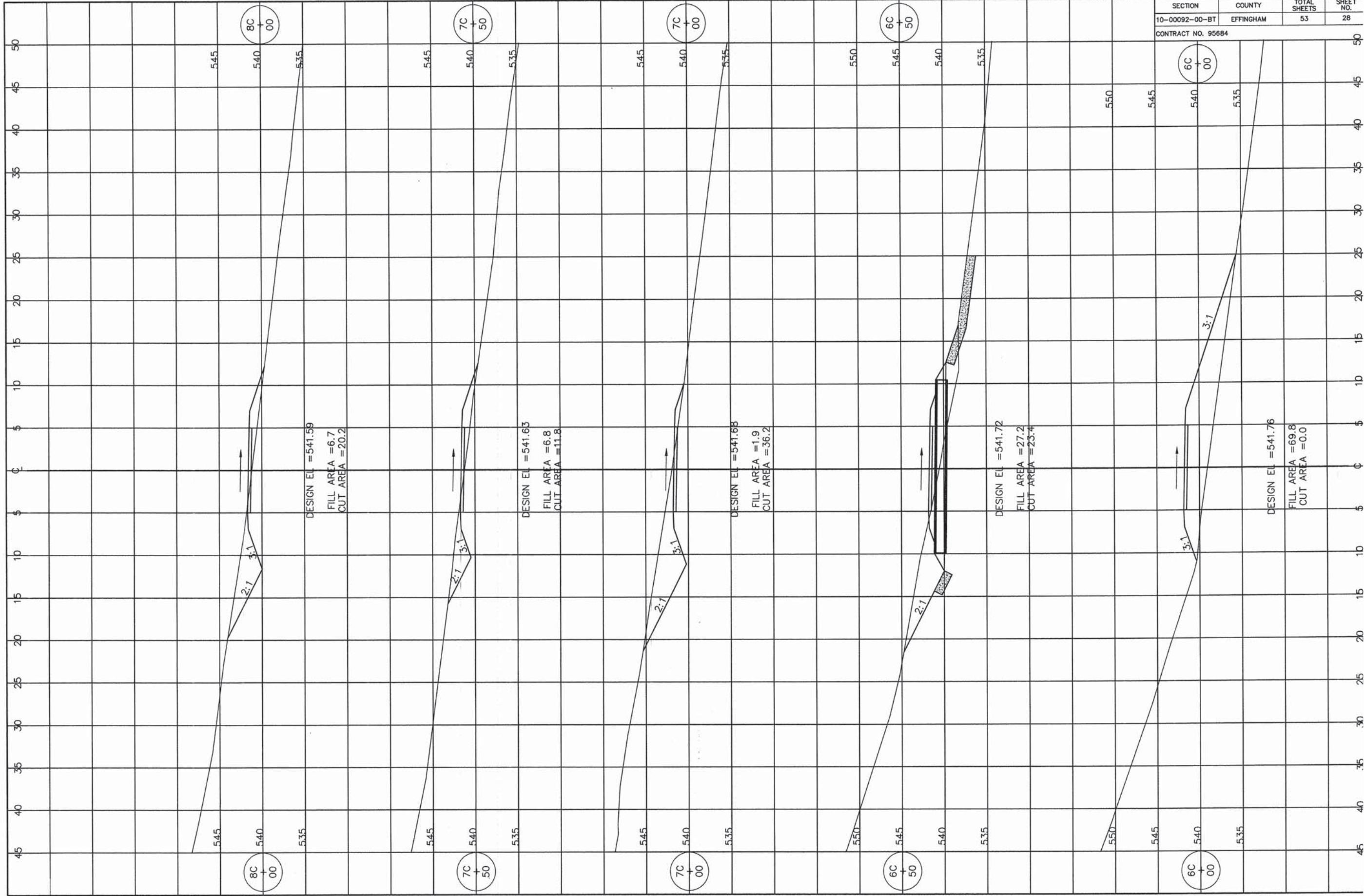
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10-00092-00-BT	EFFINGHAM	53	27

CONTRACT NO. 95684

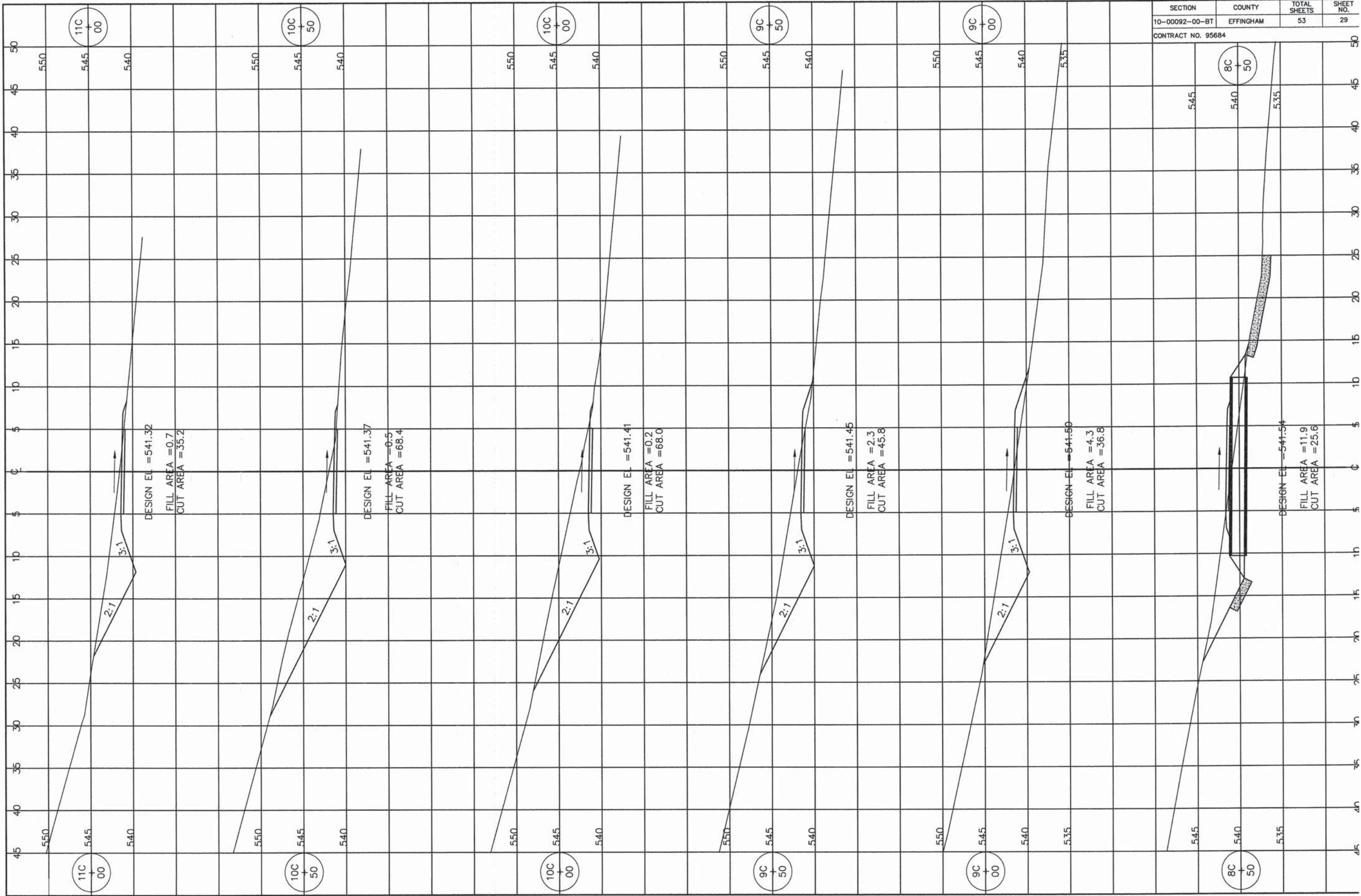


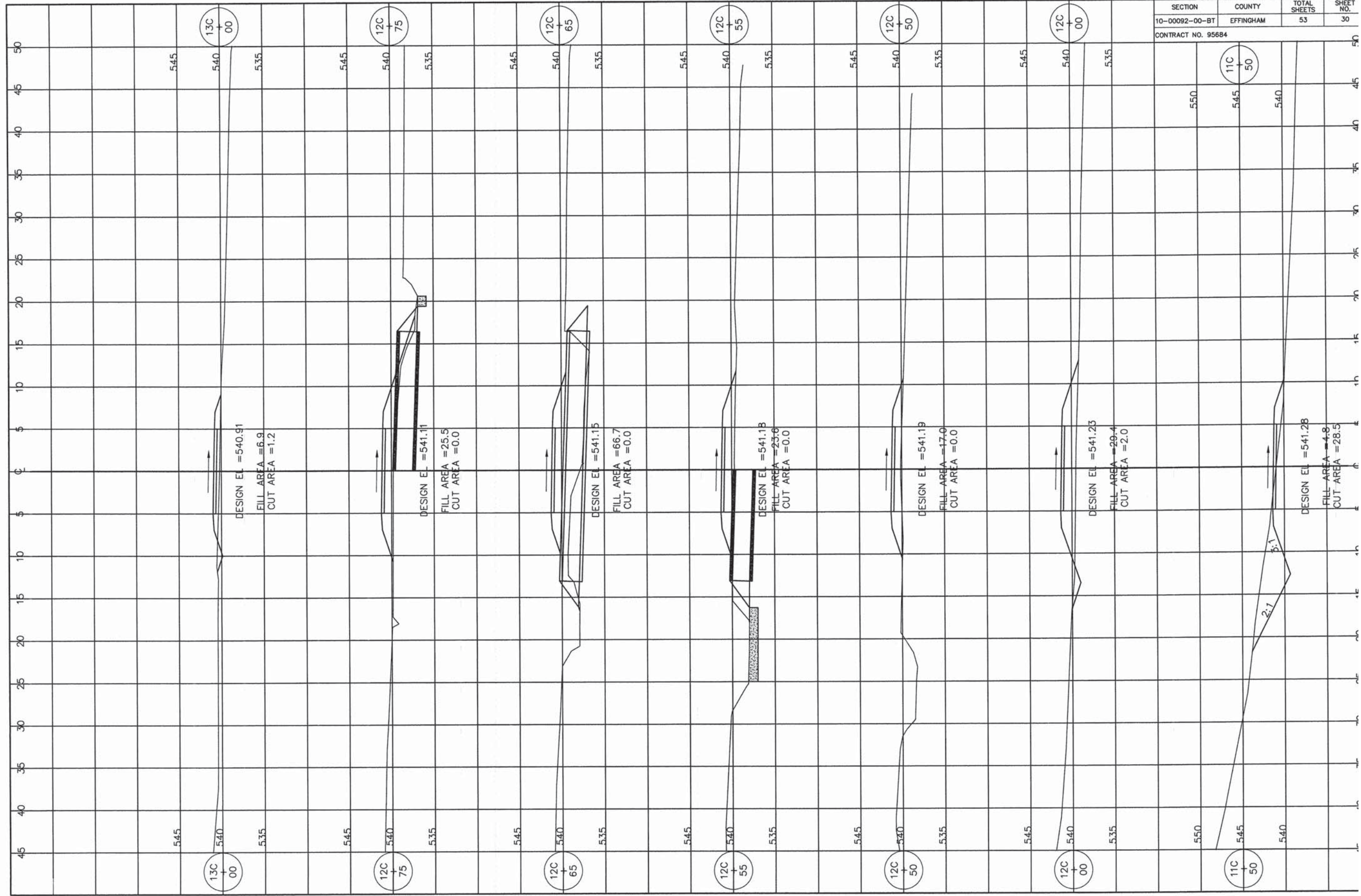
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10-00092-00-BT	EFFINGHAM	53	28

CONTRACT NO. 95684



SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10-00092-00-BT	EFFINGHAM	53	29
CONTRACT NO. 95684			





SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10-00092-00-BT	EFFINGHAM	53	30

CONTRACT NO. 95684

13C
+
540
+
00

12C
+
540
+
75

12C
+
540
+
65

12C
+
540
+
55

12C
+
540
+
50

12C
+
540
+
00

11C
+
545
+
50

13C
+
540
+
00

12C
+
540
+
75

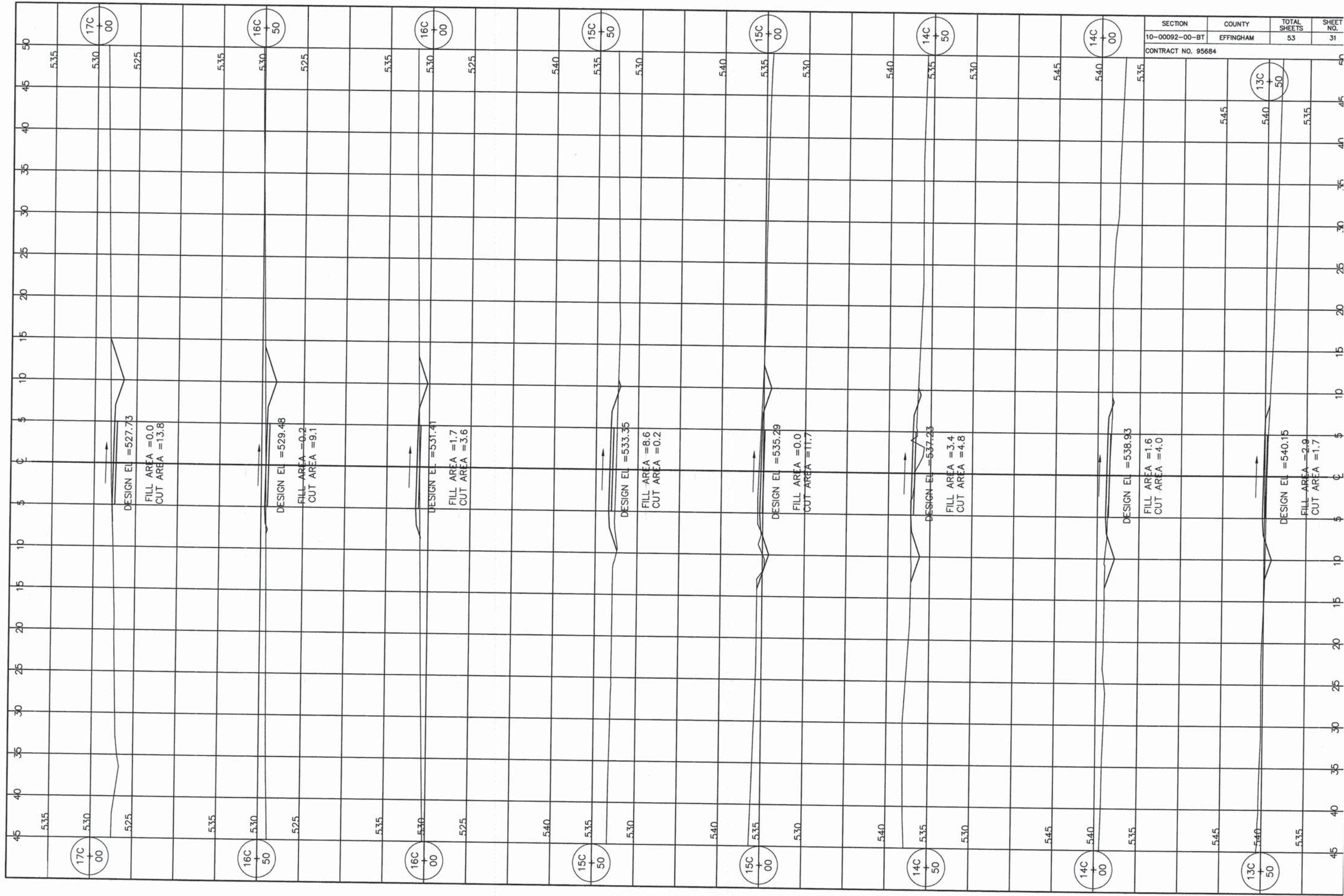
12C
+
540
+
65

12C
+
540
+
55

12C
+
540
+
50

12C
+
540
+
00

11C
+
545
+
50

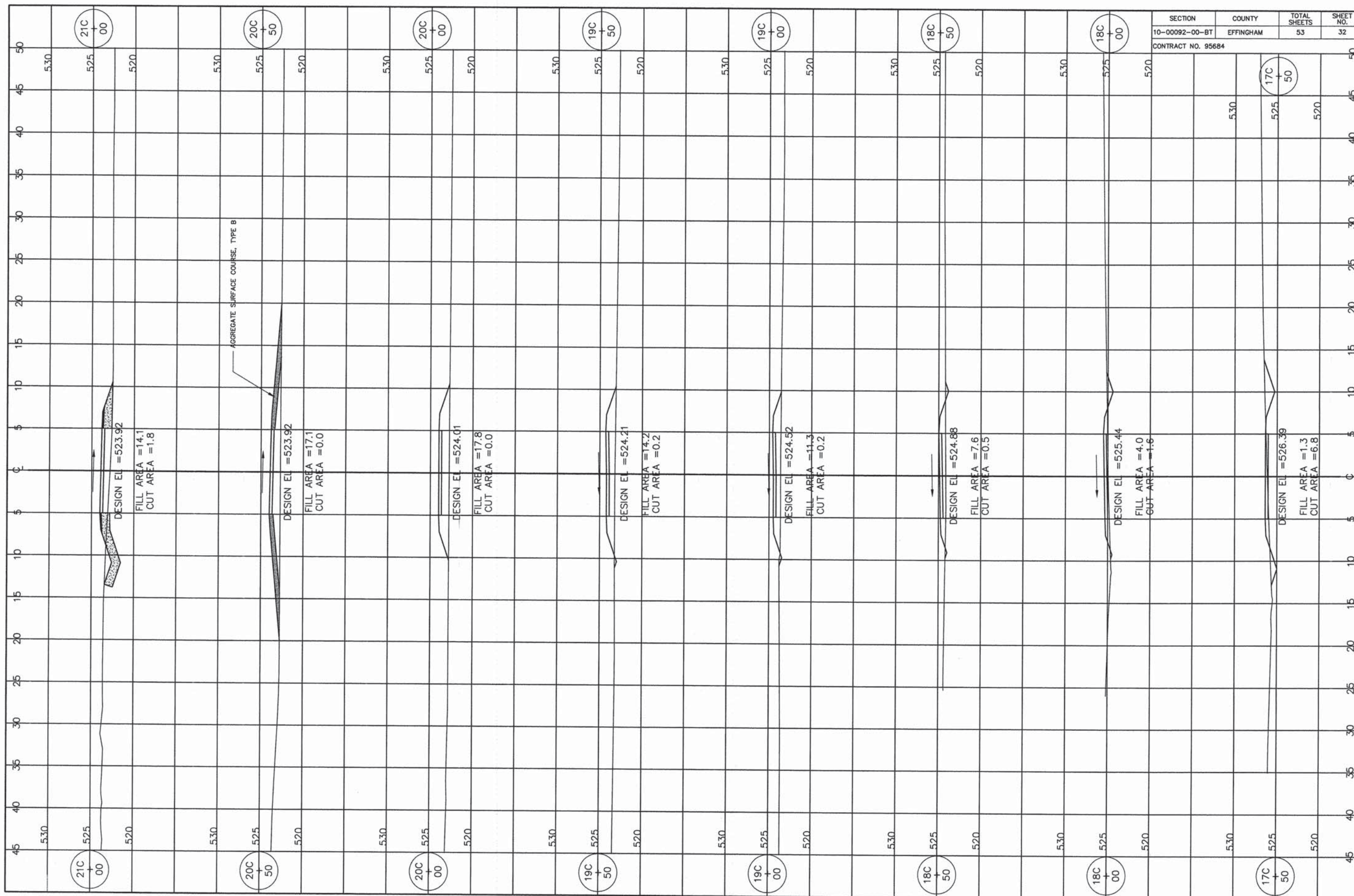


SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10-00092-00-BT	EFFINGHAM	53	31

CONTRACT NO. 95684

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10-00092-00-BT	EFFINGHAM	53	32

CONTRACT NO. 95684



21C
00

20C
50

20C
00

19C
50

19C
00

18C
50

18C
00

17C
50

AGGREGATE SURFACE COURSE, TYPE B

DESIGN EL = 523.92
FILL AREA = 14.1
CUT AREA = 1.8

DESIGN EL = 523.92
FILL AREA = 17.1
CUT AREA = 0.0

DESIGN EL = 524.01
FILL AREA = 17.8
CUT AREA = 0.0

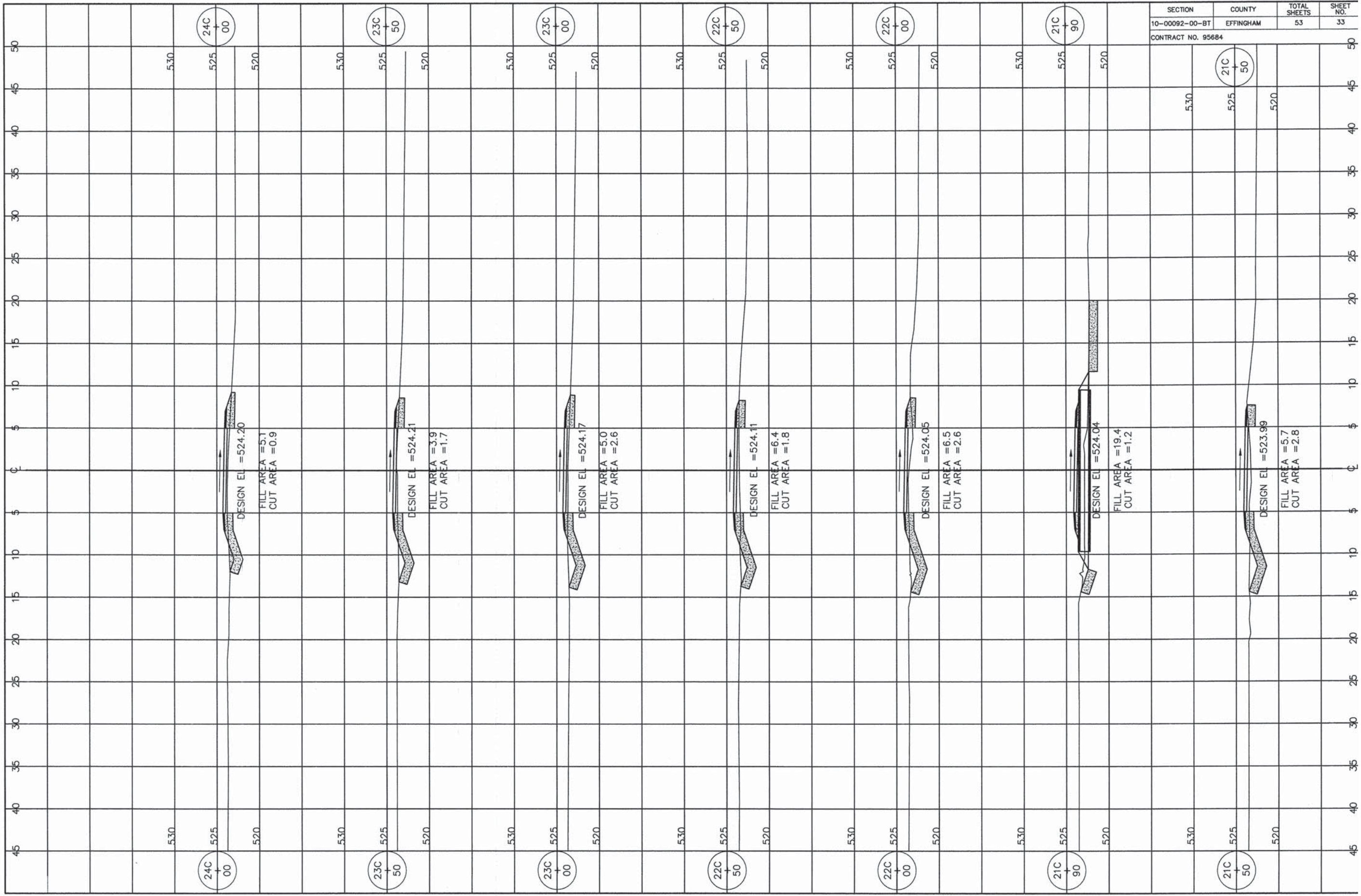
DESIGN EL = 524.21
FILL AREA = 14.2
CUT AREA = 0.2

DESIGN EL = 524.52
FILL AREA = 11.3
CUT AREA = 0.2

DESIGN EL = 524.88
FILL AREA = 7.6
CUT AREA = 0.5

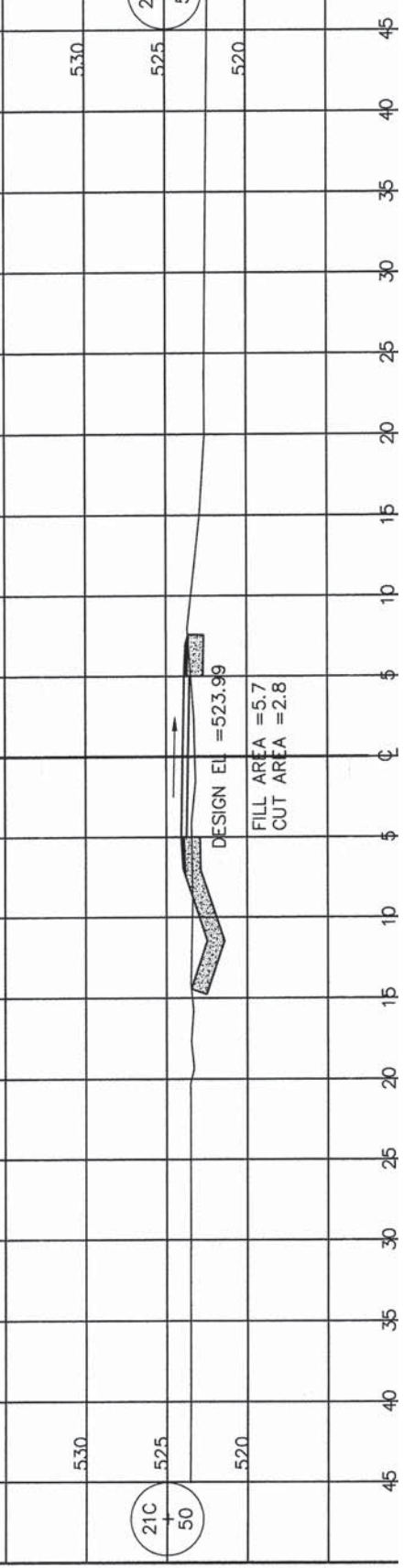
DESIGN EL = 525.44
FILL AREA = 4.0
CUT AREA = 1.6

DESIGN EL = 526.39
FILL AREA = 1.3
CUT AREA = 6.8



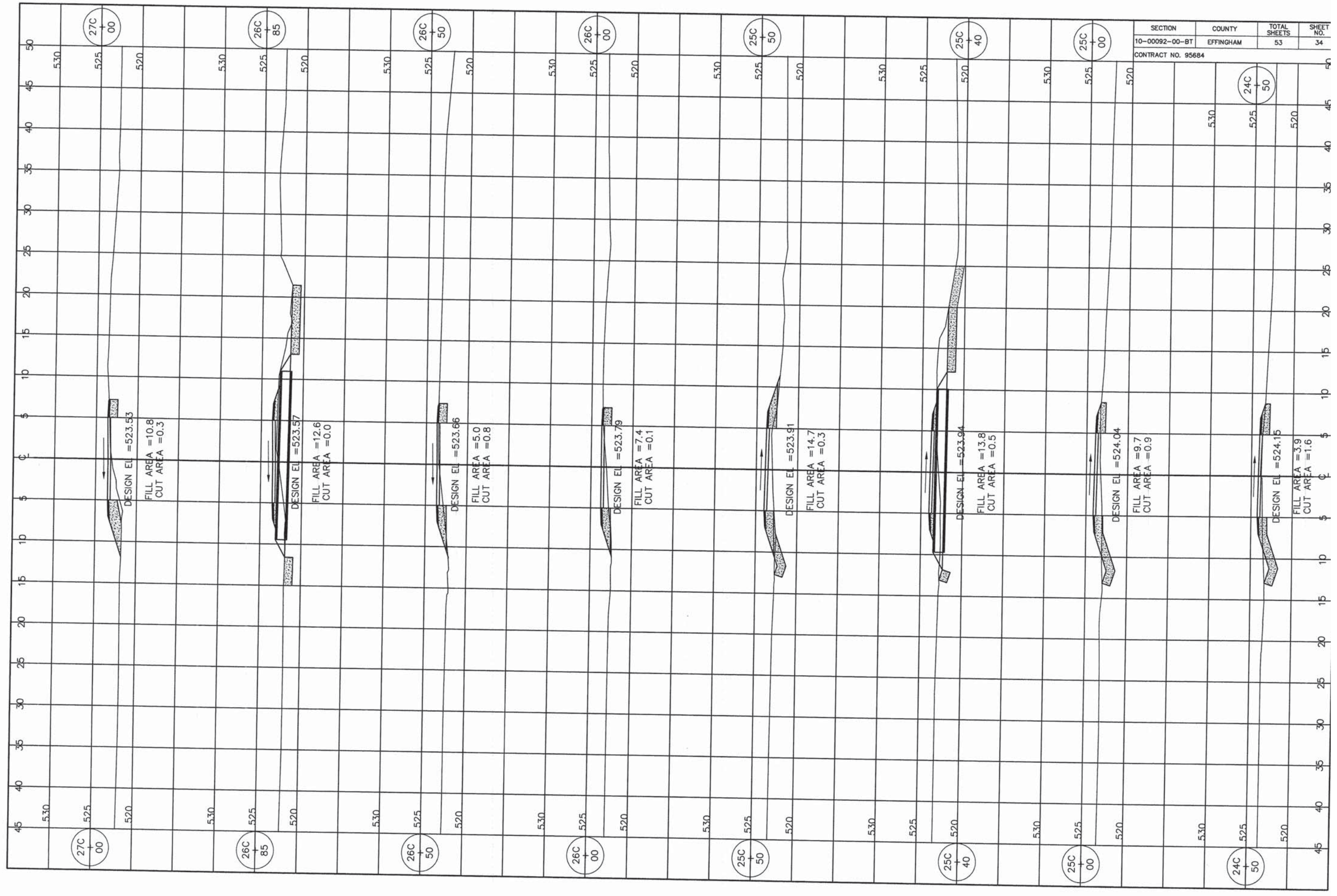
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10-00092-00-BT	EFFINGHAM	53	33

CONTRACT NO. 95684

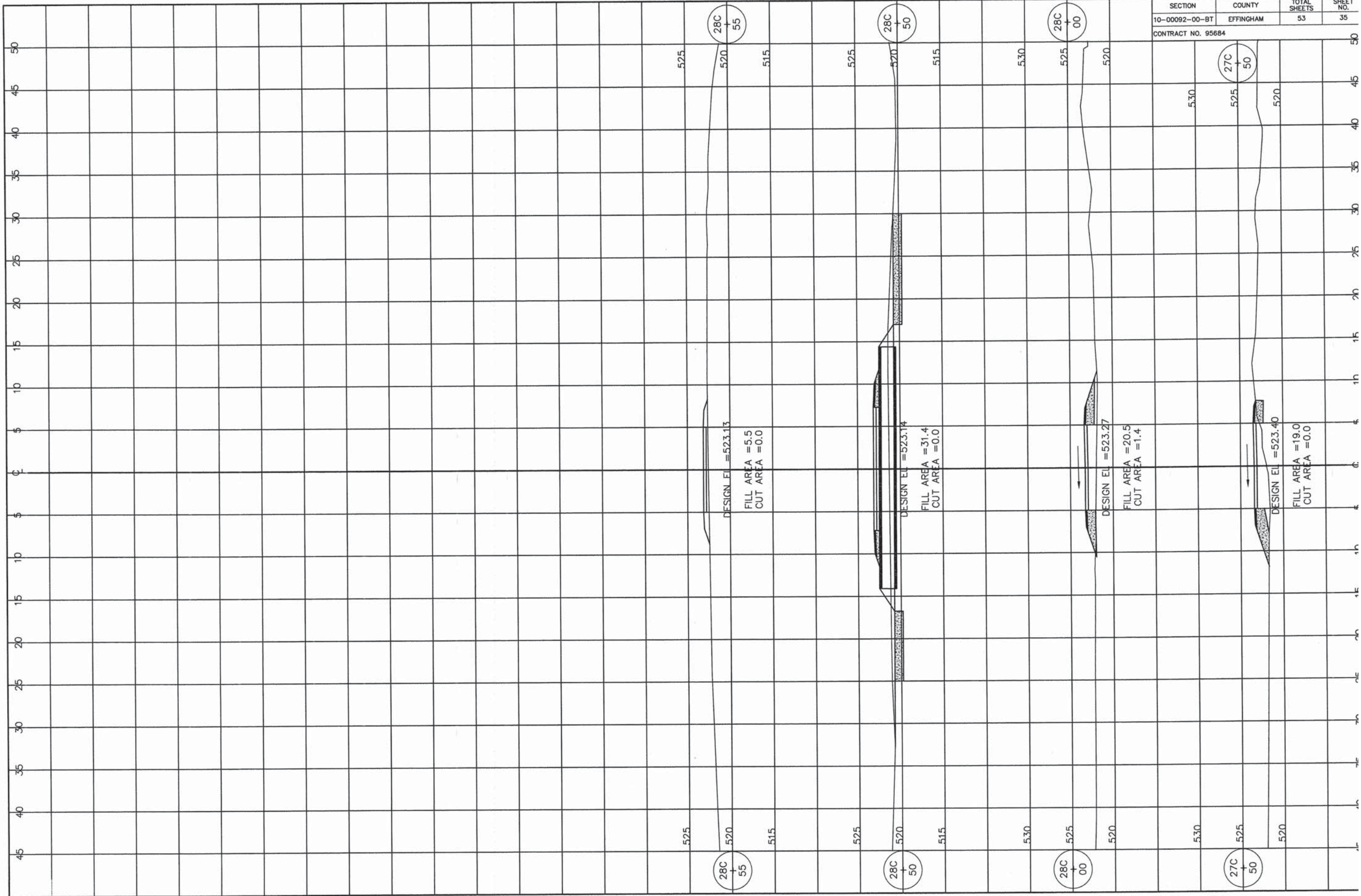


SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10-00092-00-BT	EFFINGHAM	53	34

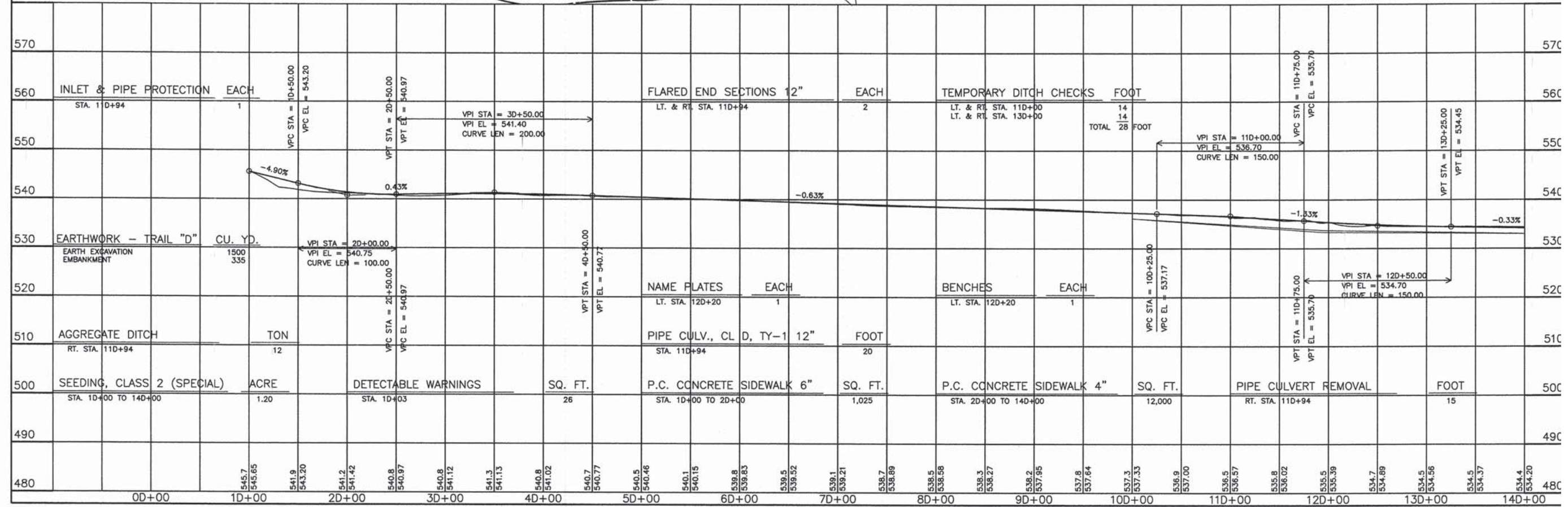
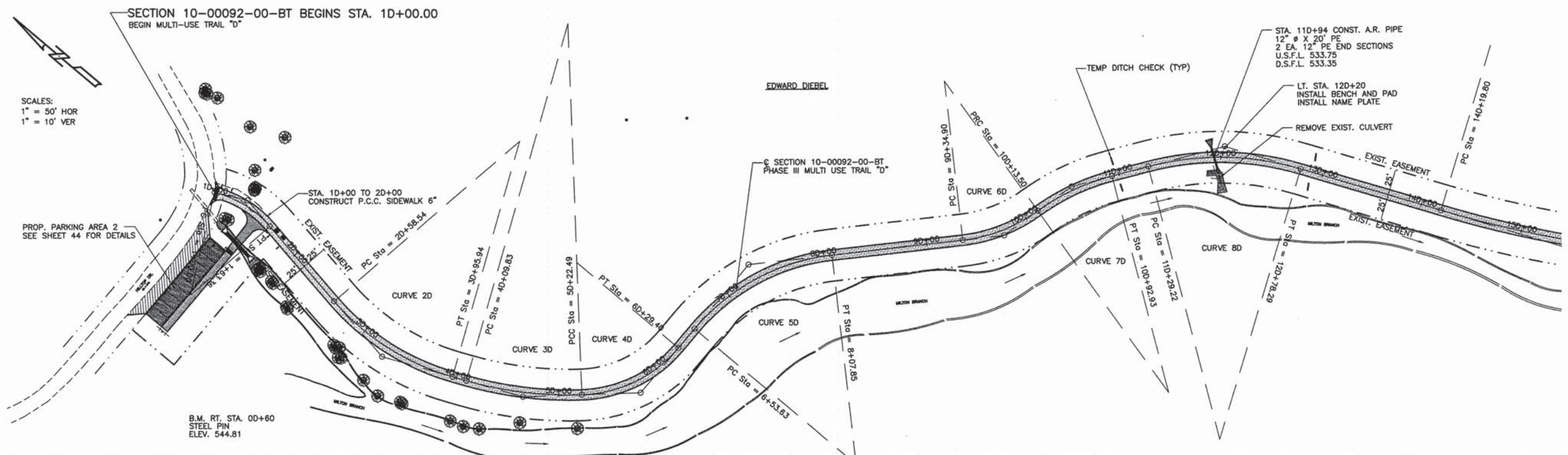
CONTRACT NO. 95684

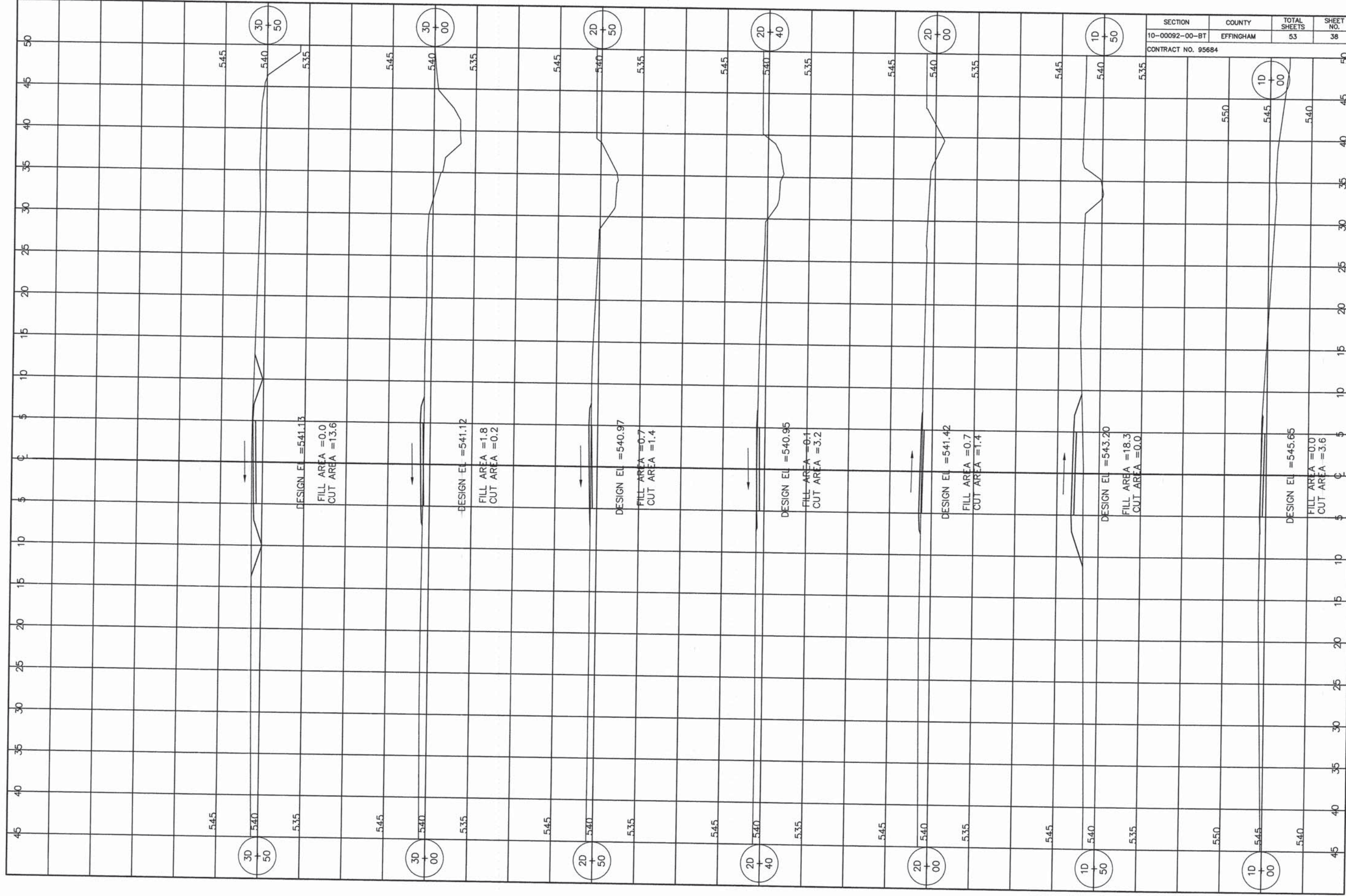


SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10-00092-00-BT	EFFINGHAM	53	35
CONTRACT NO. 95684			



SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10-00092-00-BT	EFFINGHAM	53	36
CONTRACT NO. 95684			





DESIGN EL = 541.13
 FILL AREA = 0.0
 CUT AREA = 13.6

DESIGN EL = 541.12
 FILL AREA = 1.8
 CUT AREA = 0.2

DESIGN EL = 540.97
 FILL AREA = 0.7
 CUT AREA = 1.4

DESIGN EL = 540.95
 FILL AREA = 0.1
 CUT AREA = 3.2

DESIGN EL = 541.42
 FILL AREA = 0.7
 CUT AREA = 1.4

DESIGN EL = 543.20
 FILL AREA = 18.3
 CUT AREA = 0.0

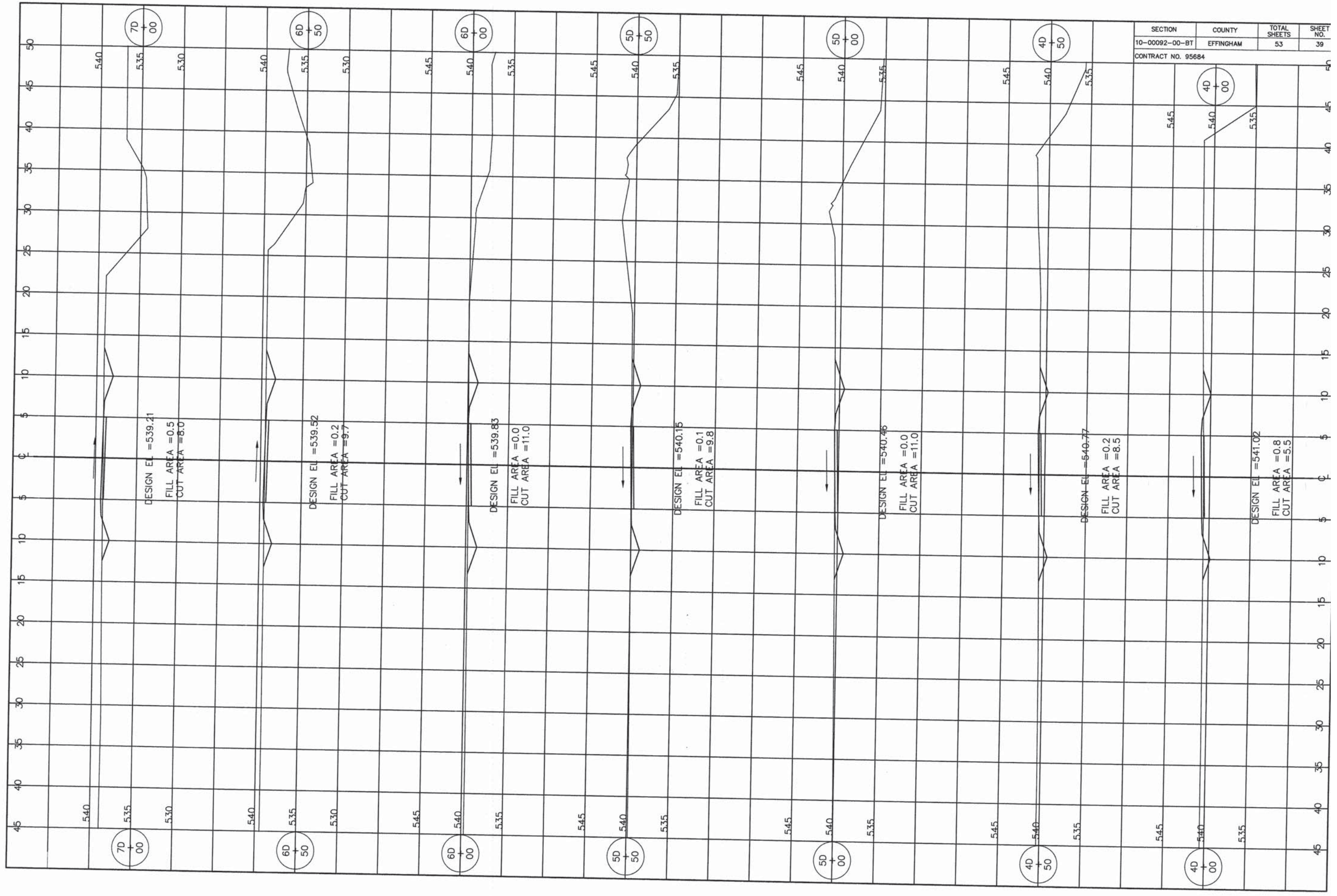
DESIGN EL = 545.65
 FILL AREA = 0.0
 CUT AREA = 3.6

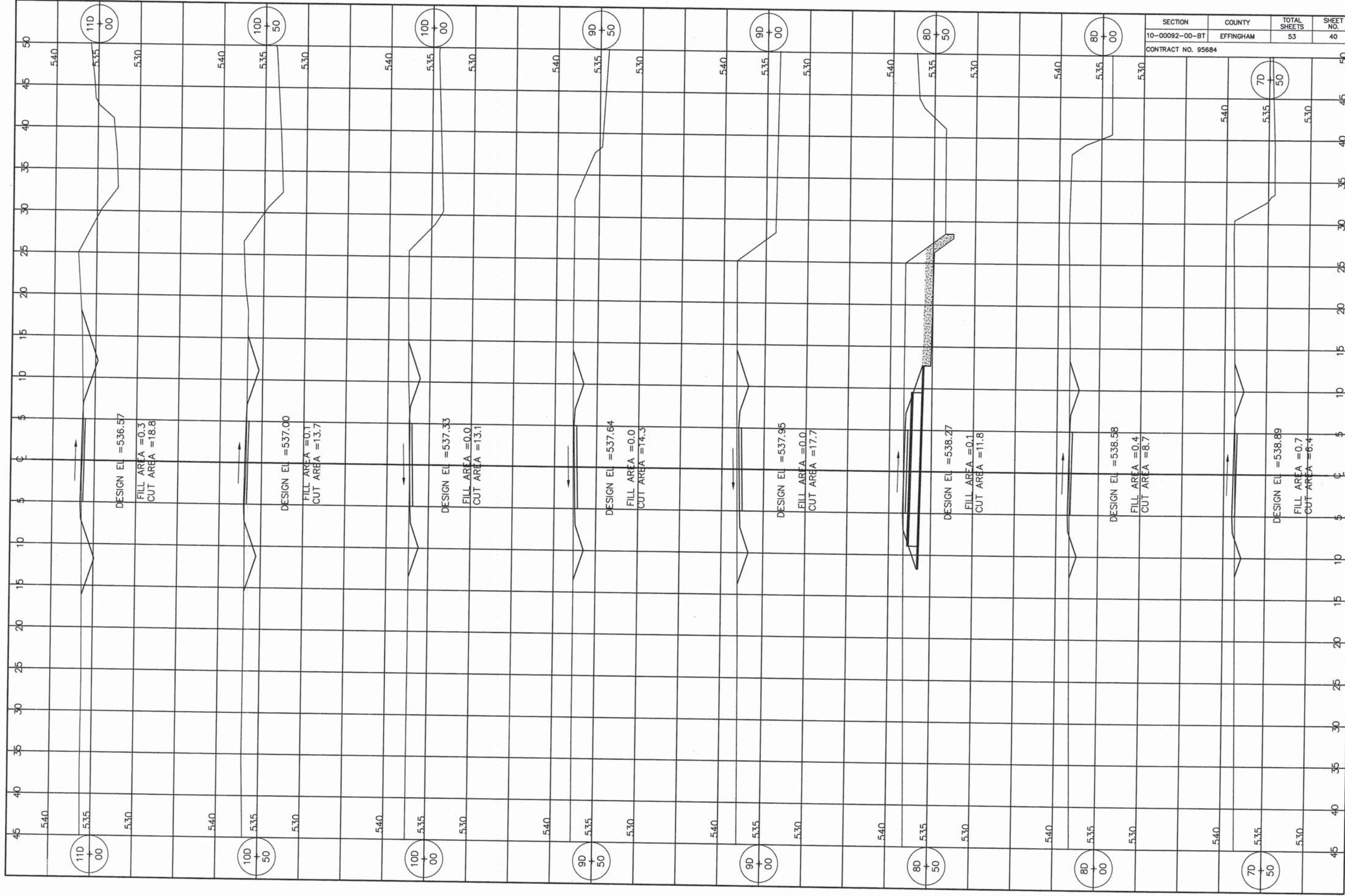
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10-00092-00-BT	EFFINGHAM	53	38

CONTRACT NO. 95684

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10-00092-00-BT	EFFINGHAM	53	39

CONTRACT NO. 95684



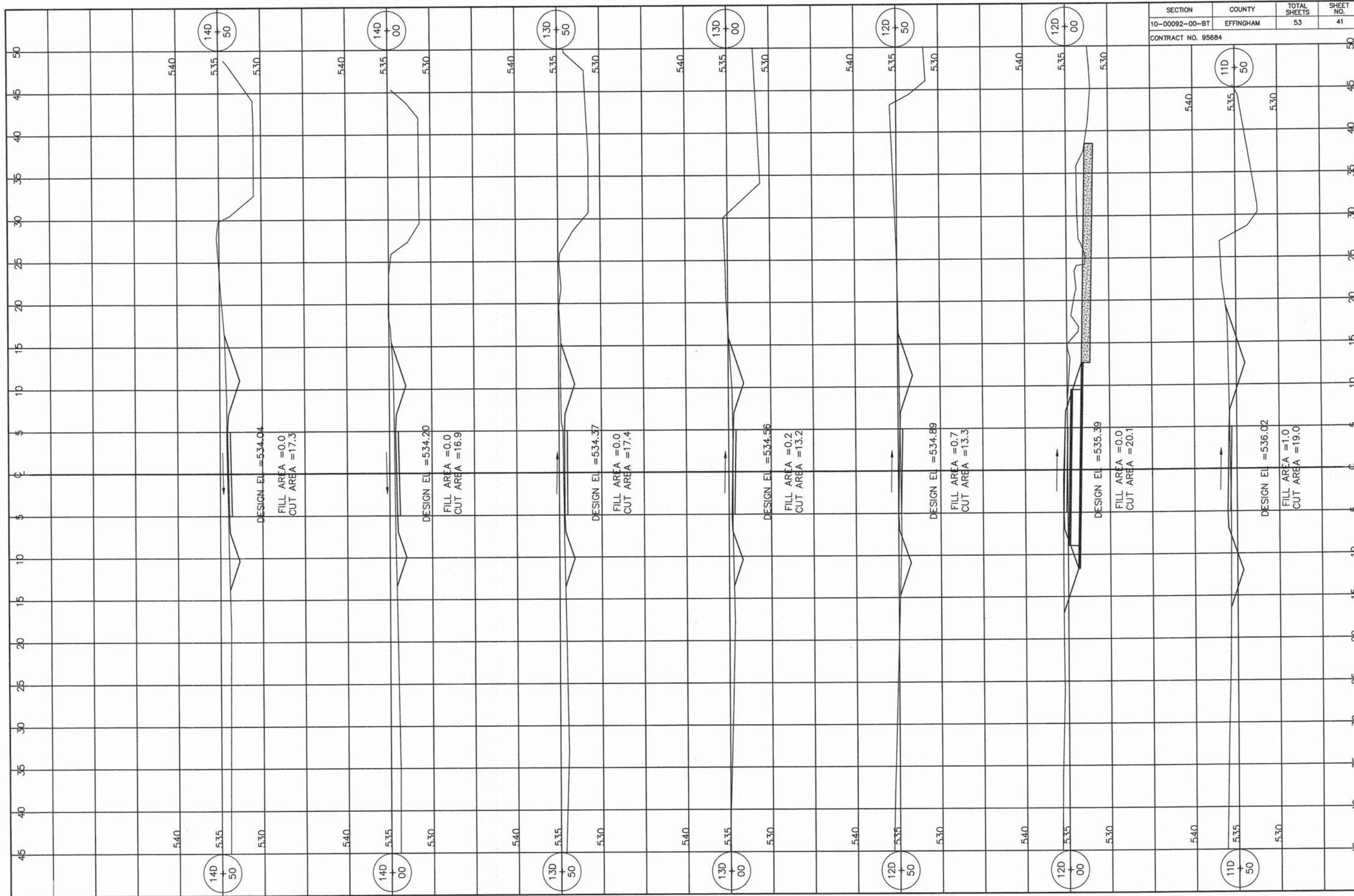


SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10-00092-00-BT	EFFINGHAM	53	40

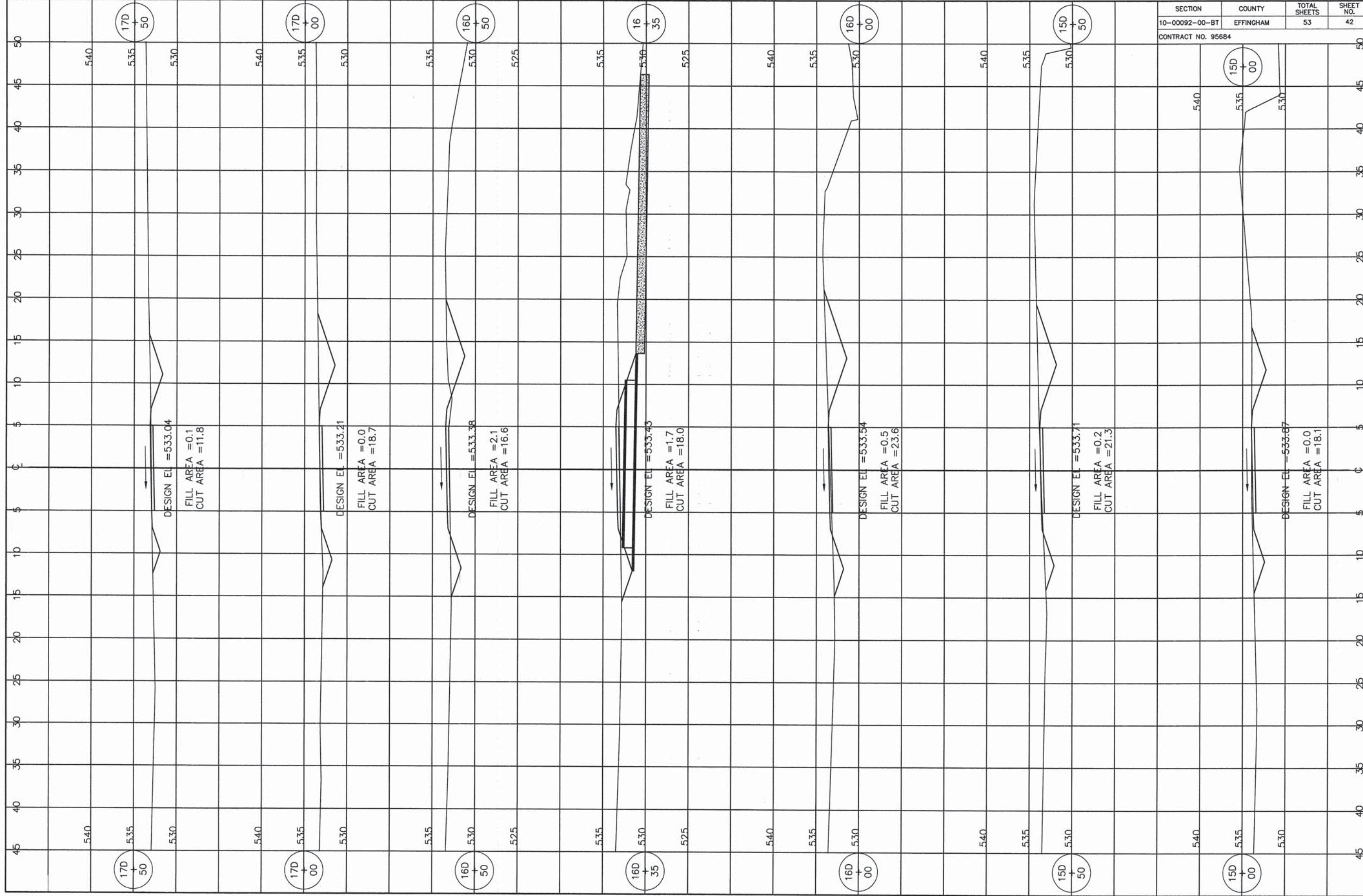
CONTRACT NO. 95684

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10-00092-00-BT	EFFINGHAM	53	41

CONTRACT NO. 95684

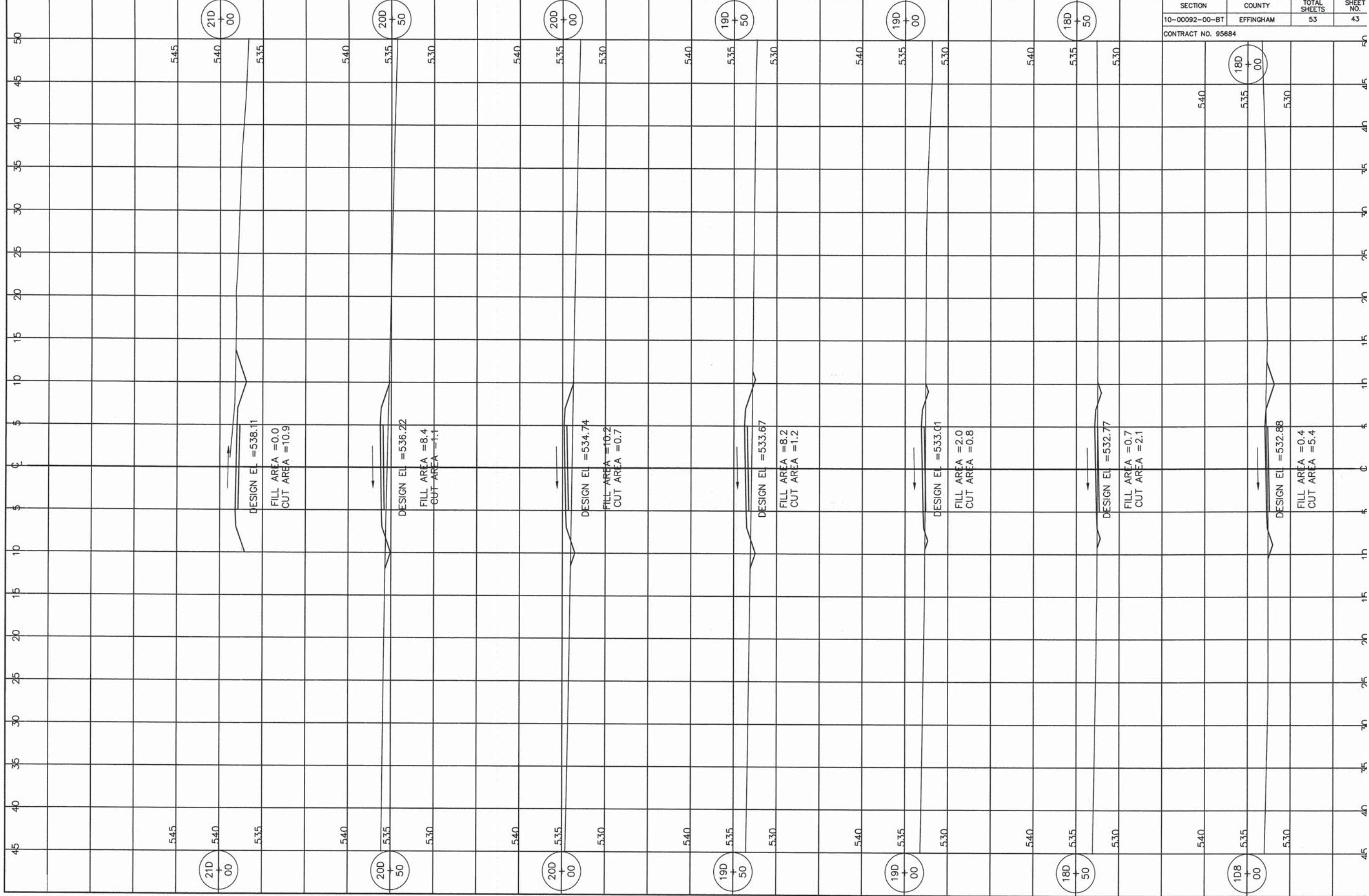


SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10-00092-00-BT	EFFINGHAM	53	42
CONTRACT NO. 95684			



SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10-00092-00-BT	EFFINGHAM	53	43

CONTRACT NO. 95684



SEEDING, CLASS 2 (SPECIAL) RT. STA. 1D+00 TO 1D+85	ACRE 0.10
TELE. STEEL SIGN SUPPORTS STA. 1D+00 TO 1D+85	FOOT 70
P.C. CONCRETE SIDEWALK 4" RT. STA. 1D+49	SQ. FT. 1,100
FLARED END SECTIONS 30" RT. STA. 1D+49	EACH 2
P.C.C. PAVEMENT 6" RT. STA. 1D+20	SQ. YD. 215

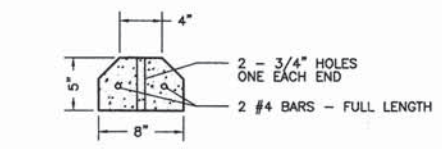
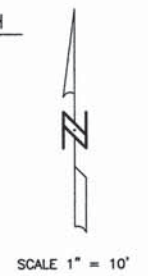
DETECTABLE WARNINGS RT. STA. 1D+49	SQ. FT. 14
SIGN PANEL - TYPE 1 STA. 1D+00 TO 1D+85	SQ. FT. 19.5
PIPE CULV., CL D, TY-1 30" RT. STA. 1D+49	FOOT 32
AGG. BASE COURSE, TYPE B RT. STA. 1D+10	TON 50
AGGREGATE DITCH RT. STA. 1D+49	TON 8

PAINT PAV'T. MARKING - LINE 4" RT. STA. 1D+20	FOOT 260
PAINT PAV'T. MARKING - LET. & SYM. RT. STA. 1D+20 TO 1D+85	SQ. FT. 38
PRECAST CONCRETE PARKING BLOCK RT. STA. 1D+20	EACH 9
BENCHES RT. STA. 1D+40	EACH 1

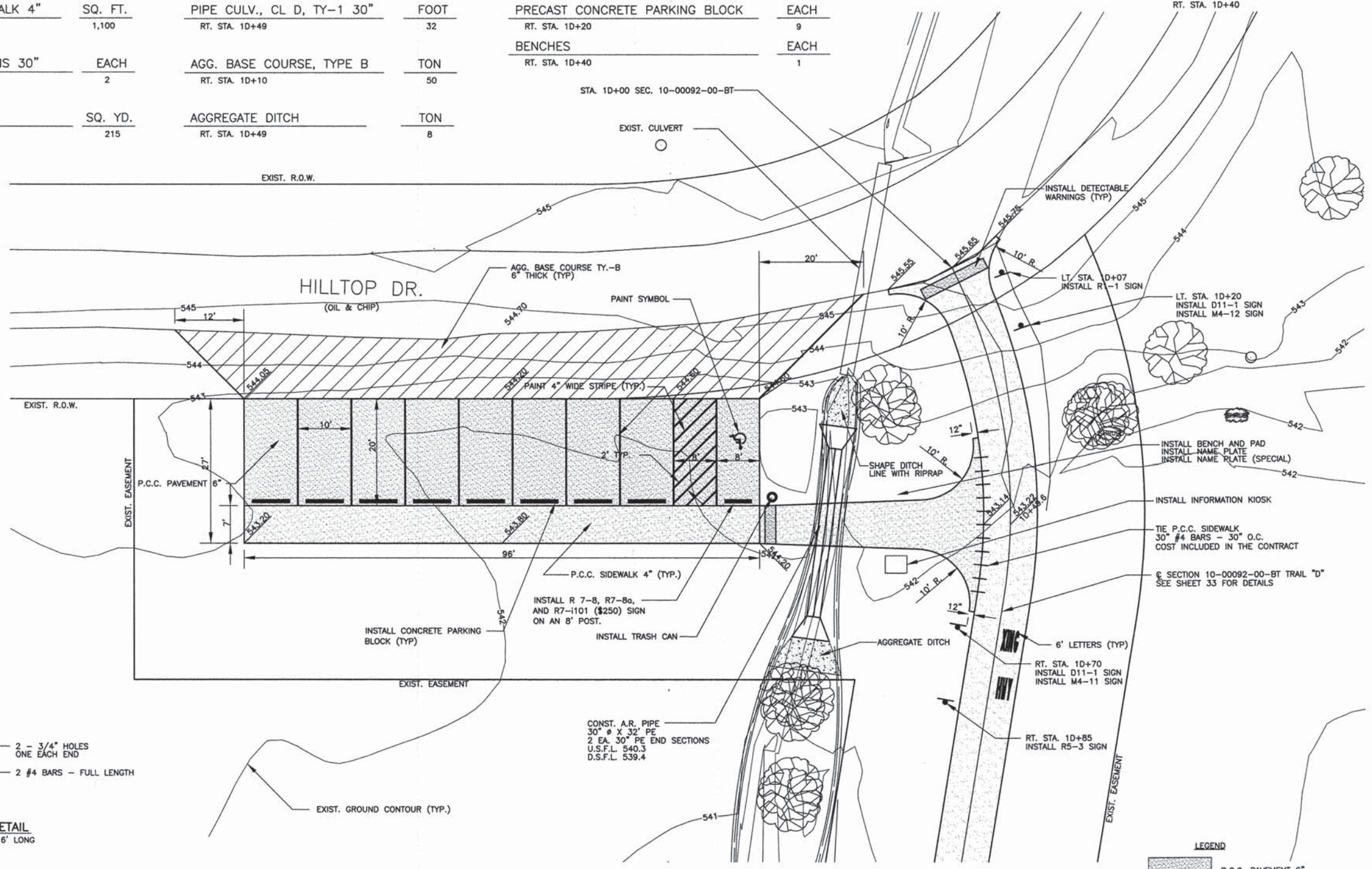
REFUSE CONTAINER AND PAD RT. STA. 1D+45	EACH 1
INFORMATION KIOSK RT. STA. 1D+55	EACH 1

NAME PLATES RT. STA. 1D+40	EACH 1
NAME PLATES (SPECIAL) RT. STA. 1D+40	EACH 1

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10-00092-00-BT	EFFINGHAM	53	44
CONTRACT NO. 95684			



PARKING BLOCK DETAIL
PARKING BLOCKS SHALL BE 6' LONG



PARKING AREA 2 DETAIL

LEGEND

[Pattern: Dotted]	P.C.C. PAVEMENT 6"
[Pattern: Horizontal Lines]	P.C.C. SIDEWALK 4"
[Pattern: Diagonal Lines]	STONE RIPRAP DITCH
[Pattern: Vertical Lines]	AGG. BASE COURSE TY.-B
[Symbol: Circle with cross]	FINISHED SURFACE ELEVATION

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10-00092-00-BT	EFFINGHAM	53	4
CONTRACT NO. 95684			



SCALE 1" = 10'

SECTION 10-00092-00-BT

STA. 13A+48
INSTALL 1 REM BOLLARD
SEE SHEET 2 FOR DETAILS

STA. 13A+50.00 BEGIN WOOD DECKING SPECIAL 1
SEE SHEETS 51-53 FOR DETAILS

WOOD DECKING SPECIAL 1, ABUT. 1
SEE SHEETS 51-53 FOR DETAILS OF

HATCH LEGEND

	P.C.C. SIDEWALK 4"
	AGGREGATE DITCH
	STONE DUMPED RIPRAP, CLASS A4
	WOOD DECKING SPECIAL

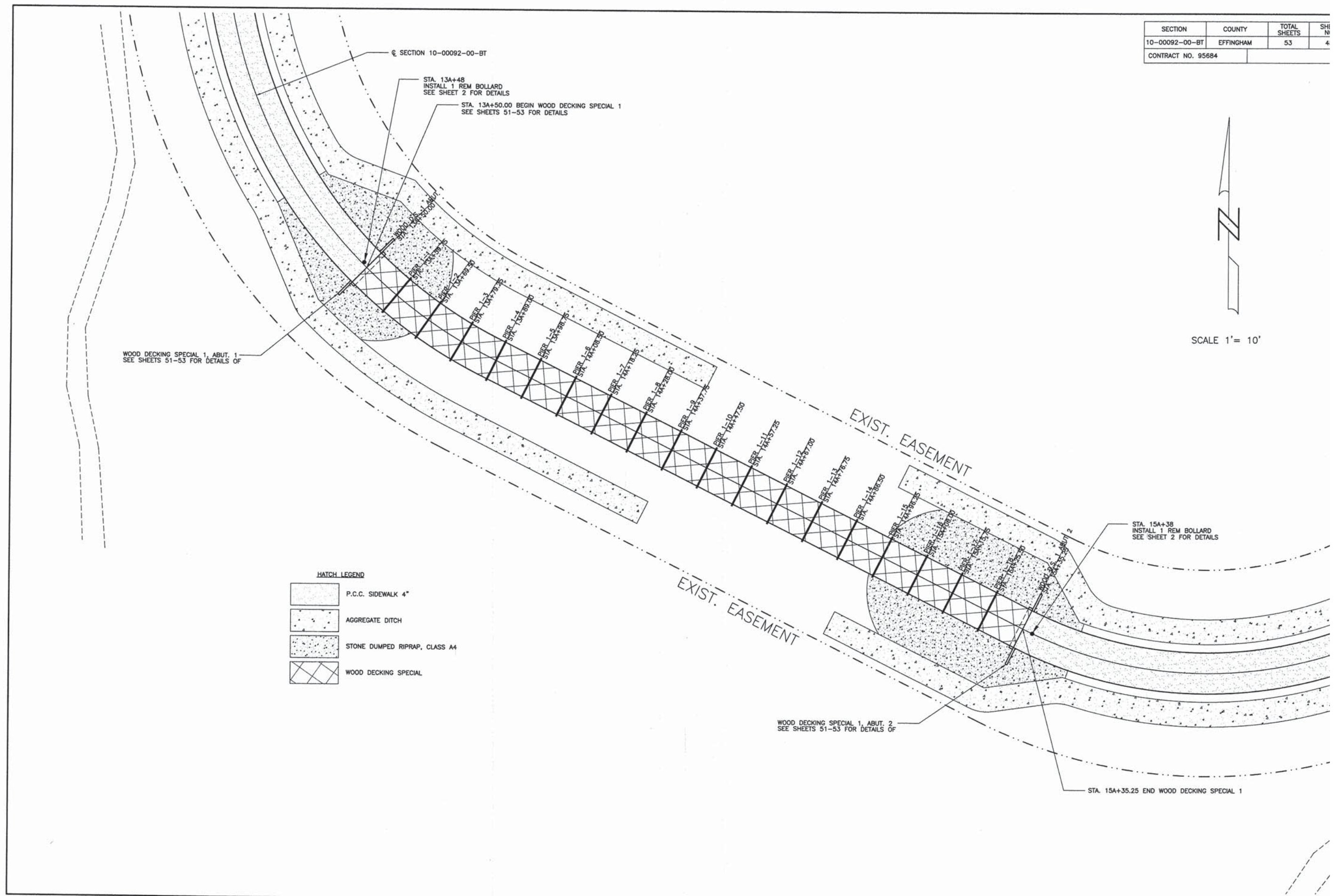
EXIST. EASEMENT

EXIST. EASEMENT

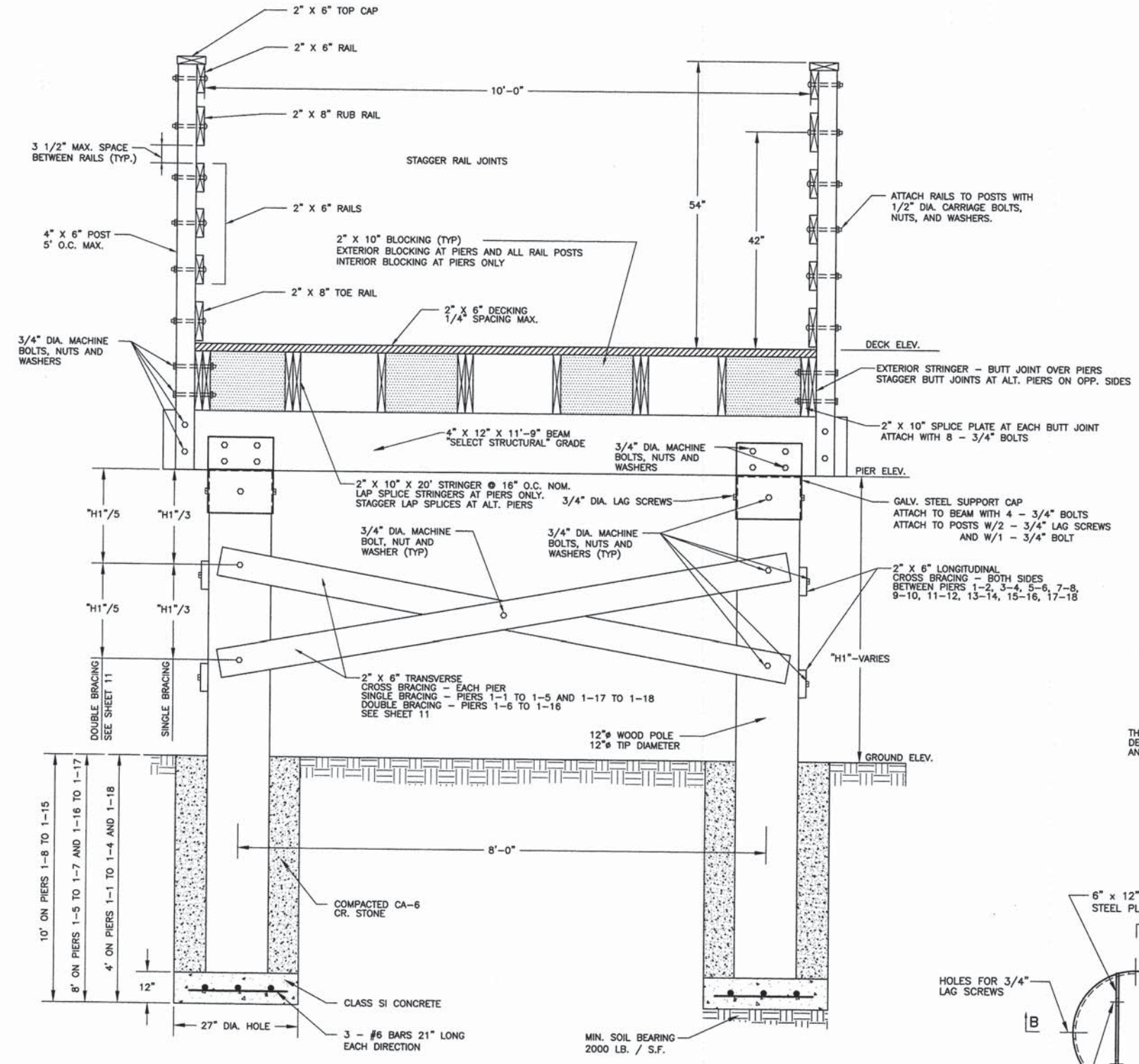
WOOD DECKING SPECIAL 1, ABUT. 2
SEE SHEETS 51-53 FOR DETAILS OF

STA. 15A+38
INSTALL 1 REM BOLLARD
SEE SHEET 2 FOR DETAILS

STA. 15A+35.25 END WOOD DECKING SPECIAL 1



SECTION	COUNTY	TOTAL SHEETS
10-00092-00-BT	EFFINGHAM	53
CONTRACT NO. 95684		



ELEVATION - WOOD DECKING SPECIAL 1 AND PIER
PIERS TO BE SPACED 9'-9" O.C. MAX.

DESIGN LOADINGS
PEDESTRIAN = 90 LB / S.F.
VEHICLE = 1200 LB. SINGLE VEHICLE MAX.
ONE VEHICLE ON THE STRUCTURE AT ANY TIME
VEHICLE LOAD SHALL NOT BE COMBINED WITH PEDESTRIAN LOAD

DESIGN SPECIFICATIONS
2012 AASHTO BRIDGE DESIGN SPECIFICATIONS, 6TH EDITION WITH 2012 INTERIMS AND 2009 LRFD GUIDE SPECIFICATIONS FOR THE DESIGN OF PEDESTRIAN BRIDGES.
NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION

DESIGN STRESSES
CONCRETE
REINFORCEMENT BARS
SOUTHERN PINE, #1
SOUTHERN PINE, #1
SOUTHERN PINE, SELECT STRUCTURAL GRADE 36

$f'_c = 3,500$ psi
 $F_y = 60,000$ psi
 $F_b = 1,300$ psi
 $F_c = 1,200$ psi
 $F_b = 1,900$ psi

GENERAL WOOD DECKING SPECIAL NOTES

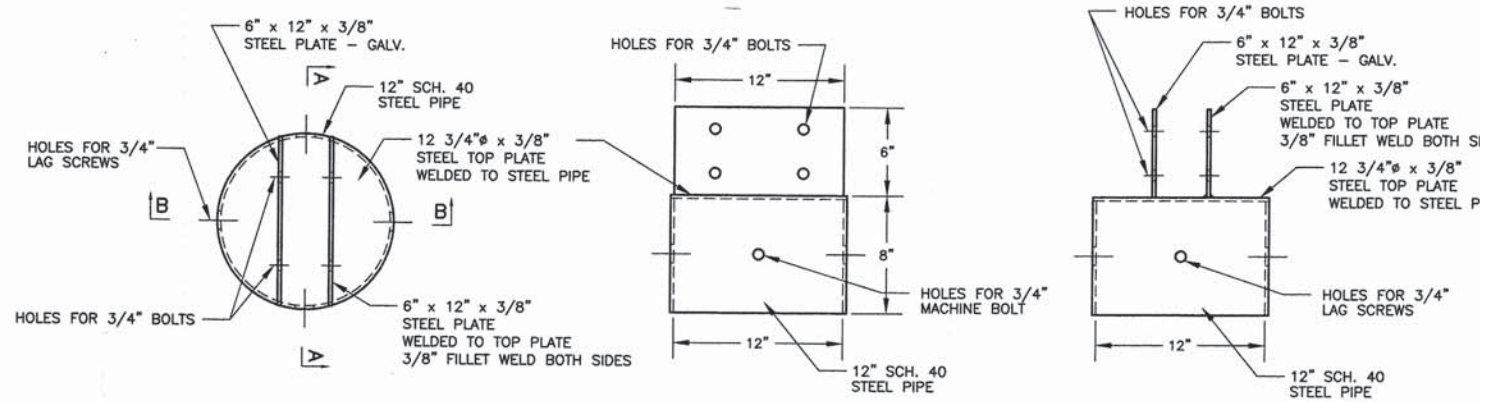
- ALL FASTENERS ON THE WOOD DECKING SPECIAL SHALL MEET THE REQUIREMENTS OF ASTM A 307 AND SHALL BE HOT DIPPED GALVANIZED ACCORDING TO AASHTO M 232 CLASS C, WITH A MINIMUM ZINC COATING OF 2.0 OZ/SQ FT.
- ALL STRUCTURAL STEEL ON THE WOOD DECKING SPECIAL SHALL MEET THE REQUIREMENTS OF AASHTO M 270 AND SHALL BE HOT DIPPED GALVANIZED ACCORDING TO AASHTO M 111 WITH A MINIMUM ZINC COATING OF 2.0 OZ/SQ FT.
- STAGGER RAILING JOINTS ON ALTERNATING RAIL POSTS.
- TOP CAP JOINTS SHALL BE MADE OVER POSTS.
- ALL LUMBER USED SHALL BE DRESSED AND DIMENSIONS ARE NOMINAL.
- ALL LUMBER FOR STRINGERS, DECKING, RAILING, AND POSTS SHALL BE DRESSED SOUTHERN PINE, NO.1 GRADE, S DRY 19% OR LESS.
- ALL LUMBER FOR 4" X 12" BEAMS SHALL BE DRESSED SOUTHERN PINE, "SELECT STRUCTURAL", S DRY 19% OR LESS.
- THE ROUND POLES USED IN WOOD DECKING SPECIAL 1 SHALL BE CLASS B, SOUTHERN PINE, 12" TIP DIAMETER. THE POLES SHALL BE PRESSURE TREATED WITH CCA AT A PRESERVATIVE RETENTION LEVEL OF 0.80 PCF.
- HOLES FOR BOLTS SHALL BE DRILLED AT LEAST 1/32" BUT NOT MORE THAN 1/16" LARGER THAN THE BOLT.
- ALL LUMBER USED IN CONSTRUCTION OF THE WOOD DECKING SPECIAL THAT IS IN CONTACT WITH THE GROUND OR CONCRETE SHALL BE PRESSURE TREATED WITH ACQ OR MCQ AT A PRESERVATIVE RETENTION LEVEL OF 0.40 PCF, OR CBA-A AT A PRESERVATIVE RETENTION LEVEL OF 0.41 PCF, OR CA-B AT A PRESERVATIVE RETENTION LEVEL OF 0.21 PCF.
- ALL LUMBER USED IN CONSTRUCTION OF THE WOOD DECKING SPECIAL THAT IS NOT IN CONTACT WITH THE GROUND OR CONCRETE SHALL BE PRESSURE TREATED WITH ACQ OR MCQ AT A PRESERVATIVE RETENTION LEVEL OF 0.25 PCF, OR CBA-A AT A PRESERVATIVE RETENTION LEVEL OF 0.20 PCF, OR CA-B AT A PRESERVATIVE RETENTION LEVEL OF 0.10 PCF.
- THE COST OF EXCAVATION FOR THE WOOD DECKING SPECIAL IS INCLUDED IN THE PRICE FOR WOOD DECKING SPECIAL.
- ALL EXCAVATION FOR WOOD DECKING SPECIAL SHALL MEET ALL APPLICABLE ARTICLES OF SECTION 502 OF THE STANDARD SPECIFICATIONS.
- THE CONCRETE FOR THE ABUTMENTS IS INCLUDED IN PAY ITEM 50300225 - CONCRETE STRUCTURES AND SHALL MEET THE REQUIREMENT SECTION 503 OF THE STANDARD SPECIFICATIONS. THE CONCRETE FOR THE PIER FOOTINGS IS INCLUDED IN THE COST OF THE WOOD DECKING SPECIAL AND SHALL MEET THE ALL APPLICABLE ARTICLES OF SECTION 503 OF THE STANDARD SPECIFICATIONS.
- THE TIMBER FOR THE WOOD DECKING SPECIAL SHALL MEET ALL APPLICABLE ARTICLES OF SECTION 507 OF THE STANDARD SPECIFICATIONS.
- THE REINFORCEMENT BARS FOR THE ABUTMENTS IS INCLUDED IN PAY ITEM 50800105 - REINFORCEMENT BARS AND SHALL MEET THE REQUIREMENTS OF SECTION 508 OF THE STANDARD SPECIFICATIONS. THE REINFORCEMENT BARS FOR THE PIER FOOTINGS IS INCLUDED IN COST OF THE WOOD DECKING SPECIAL AND SHALL MEET THE ALL APPLICABLE ARTICLES OF SECTION 508 OF THE STANDARD SPECIFICATION.
- THE TIMBER POLES AND POSTS FOR THE PIERS SHALL MEET ALL APPLICABLE ARTICLES OF SECTION 512 OF THE STANDARD SPECIFICATION.

PIER NO.	STATION	DECK ELEV.	PIER ELEV.	GR. ELEV.	"H1"	TRANS. BRACING	LONGIT. BRACING
1-1	13A+59.75	576.98	575.15	567.20	7.95'	SINGLE	
1-2	13A+69.50	576.50	574.67	563.90	10.77'	SINGLE	
1-3	13A+79.25	576.02	574.19	561.20	12.99'	SINGLE	
1-4	13A+89.00	575.54	573.71	559.00	14.71'	SINGLE	
1-5	13A+98.75	575.16	573.33	557.50	15.83'	SINGLE	
1-6	14A+08.50	575.00	573.17	556.10	17.07'	DOUBLE	
1-7	14A+18.25	575.00	573.17	554.40	18.77'	DOUBLE	
1-8	14A+28.00	575.00	573.17	553.00	20.17'	DOUBLE	
1-9	14A+37.75	575.00	573.17	551.90	21.27'	DOUBLE	
1-10	14A+47.50	575.00	573.17	551.00	22.17'	DOUBLE	
1-11	14A+57.25	575.00	573.17	550.10	23.07'	DOUBLE	
1-12	14A+67.00	575.00	573.17	549.70	23.47'	DOUBLE	
1-13	14A+76.75	575.00	573.17	549.30	23.87'	DOUBLE	
1-14	14A+86.50	575.00	573.17	548.70	24.47'	DOUBLE	
1-15	14A+96.25	575.00	573.17	549.50	23.67'	DOUBLE	
1-16	15A+06.00	575.06	573.23	553.60	19.63'	DOUBLE	
1-17	15A+15.75	575.24	573.41	558.70	14.71'	SINGLE	
1-18	15A+25.50	575.72	573.89	565.50	8.39'	SINGLE	

THIS STRUCTURAL SEAL COVERS THE WOOD DECKING SPECIAL 1 AND WOOD DECKING SPECIAL 2 AND THE ABUTMENTS FOR THE WOOD DECKING SPECIAL



I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF, THIS BRIDGE DESIGN IS STRUCTURALLY ADEQUATE FOR THE DESIGN LOADING SHOWN ON THE PLANS AND COMPLIES WITH THE REQUIREMENTS OF THE CONTRACT AND THE CURRENT "GUIDE SPECIFICATIONS FOR DESIGN OF PEDESTRIAN BRIDGES"



SUPPORT CAP DETAILS

1. ALL SUPPORT CAPS SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION

SECTION	COUNTY	TOTAL SHEETS
10-00092-00-BT	EFFINGHAM	53
CONTRACT NO. 95684		



SCALE 1" = 10'

SECTION 10-00092-00-BT
PHASE III MULTI-USE TRAIL "C"

STA. 338+95.85 = STA. 1C+46.00

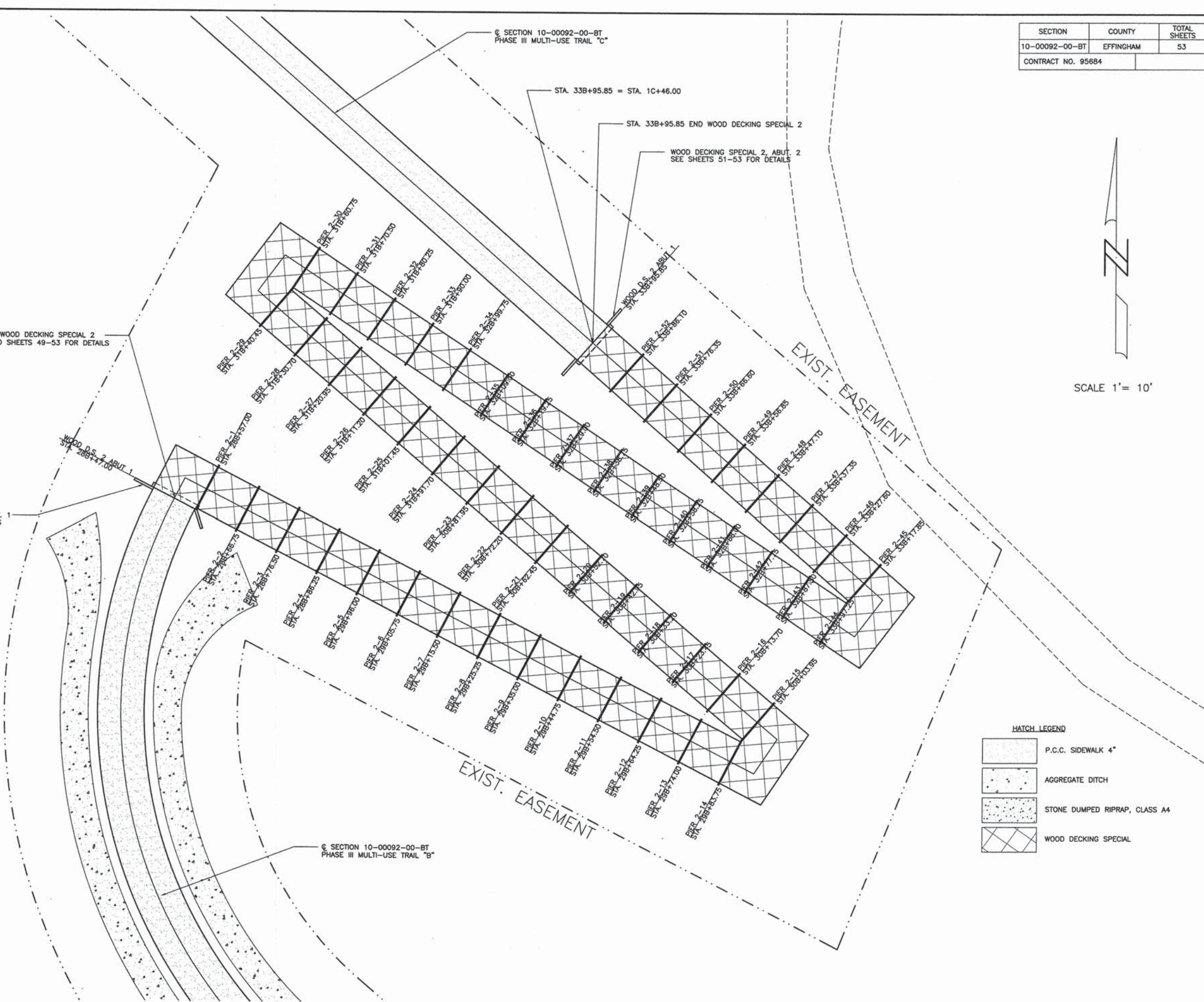
STA. 338+95.85 END WOOD DECKING SPECIAL 2

WOOD DECKING SPECIAL 2, ABUT. 2
SEE SHEETS 51-53 FOR DETAILS

STA. 28B+47.00 BEGIN WOOD DECKING SPECIAL 2
SEE SHEETS 47-48 AND SHEETS 49-53 FOR DETAILS

WOOD DECKING SPECIAL 2, ABUT. 1
SEE SHEETS 51-53 FOR DETAILS

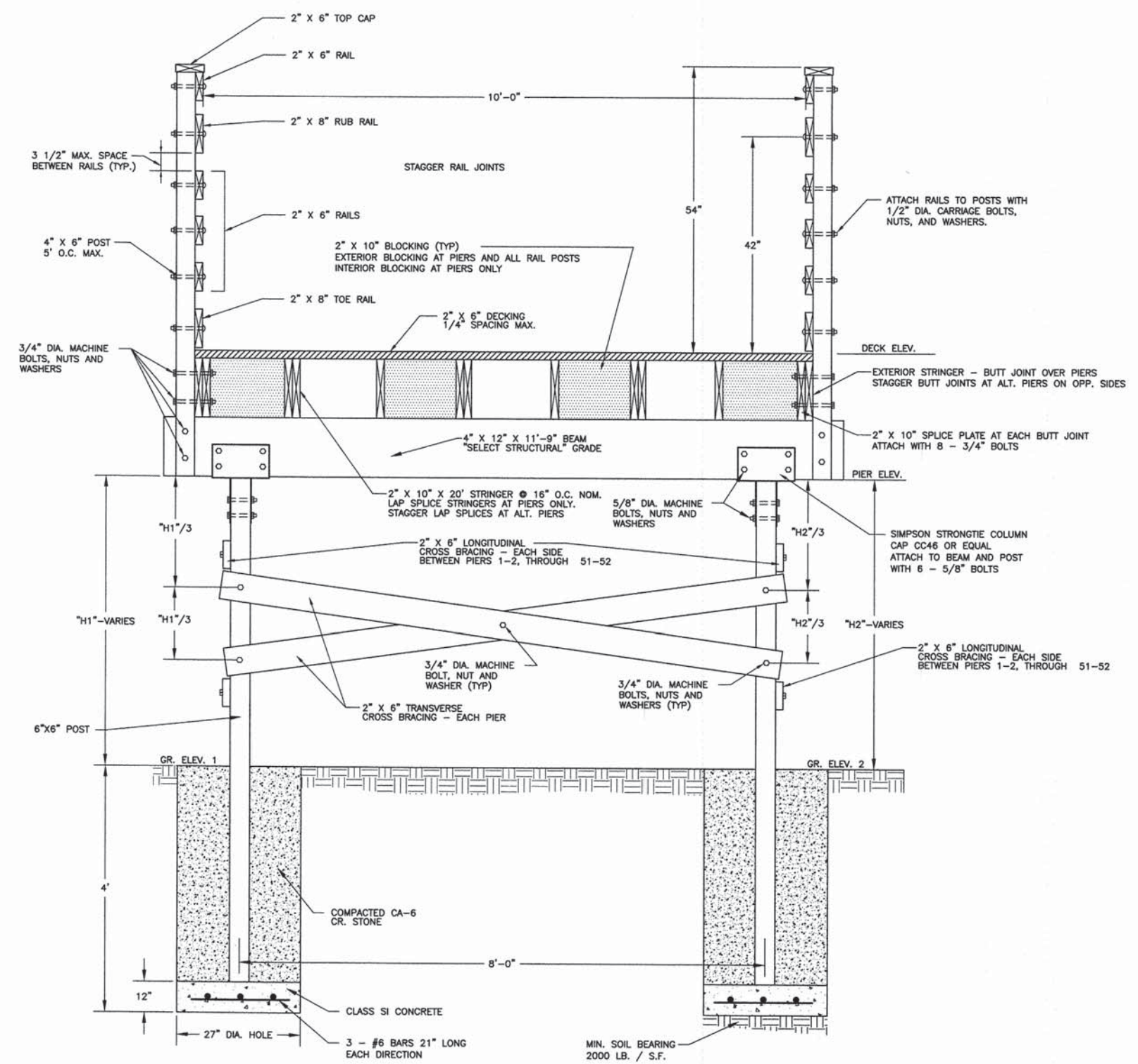
SECTION 10-00092-00-BT
PHASE III MULTI-USE TRAIL "B"



HATCH LEGEND

	P.C.C. SIDEWALK 4"
	AGGREGATE DITCH
	STONE DUMPED RIPRAP, CLASS A4
	WOOD DECKING SPECIAL

SECTION	COUNTY	TOTAL SHEETS	5
10-00092-00-BT	EFFINGHAM	53	
CONTRACT NO. 95684			



PIER NO.	STATION	DECK ELEV.	PIER ELEV.	GR. ELEV. 1	"H1"	GR. ELEV. 2	"H2"	LONGIT. BRACING
2-1	288+57.00	577.00	575.17	572.90	2.27'	575.10	0.07'	
2-2	288+66.75	576.62	574.79	571.20	3.59'	574.50	0.29'	
2-3	288+76.50	576.14	574.31	569.20	5.11'	572.10	2.21'	
2-4	288+86.25	575.67	573.84	567.00	6.84'	570.10	3.74'	
2-5	288+96.00	575.19	573.36	565.20	8.16'	568.20	5.16'	
2-6	298+05.75	574.71	572.88	564.30	8.58'	567.10	5.78'	
2-7	298+15.50	574.23	572.40	564.10	8.00'	567.00	5.40'	
2-8	298+25.25	573.75	571.92	564.30	7.62'	567.10	4.82'	
2-9	298+35.00	573.28	571.45	565.00	6.45'	567.90	3.55'	
2-10	298+44.75	572.80	570.97	565.50	5.47'	568.20	2.77'	
2-11	298+54.50	572.32	570.49	566.00	4.49'	568.60	1.89'	
2-12	298+64.25	571.84	570.01	566.00	4.01'	568.60	1.41'	
2-13	298+74.00	571.36	569.53	566.00	3.53'	568.60	0.93'	
2-14	298+83.75	570.89	569.06	565.40	3.66'	568.60	0.46'	
2-15	308+03.95	570.89	569.06	565.40	3.66'	562.00	7.06'	
2-16	308+13.70	570.41	568.58	564.80	3.78'	561.70	6.88'	
2-17	308+23.45	569.93	568.10	563.80	4.30'	561.00	7.10'	
2-18	308+33.20	569.45	567.62	563.00	4.62'	560.00	7.62'	
2-19	308+42.95	568.98	567.15	561.80	5.35'	559.00	8.15'	
2-20	308+52.70	568.50	566.67	561.00	5.67'	558.50	8.17'	
2-21	308+62.45	568.02	566.19	560.00	6.19'	557.30	8.89'	
2-22	308+72.20	567.54	565.71	559.00	6.71'	556.80	8.91'	
2-23	308+81.95	567.07	565.24	558.50	6.74'	556.20	9.04'	
2-24	308+91.70	566.59	564.76	558.90	5.86'	556.20	8.56'	
2-25	318+01.45	566.11	564.28	559.60	4.68'	556.60	8.16'	
2-26	318+11.20	565.64	563.81	561.00	2.81'	557.80	6.01'	
2-27	318+20.95	565.16	563.33	561.60	1.73'	558.20	5.13'	
2-28	318+30.70	564.68	562.85	562.00	0.85'	558.50	4.35'	
2-29	318+40.45	564.20	562.37	561.70	0.67'	558.00	4.37'	
2-30	318+50.20	563.72	561.89	561.00	0.87'	558.00	4.37'	
2-31	318+60.00	563.24	561.41	560.00	1.24'	557.50	4.39'	
2-32	318+69.75	562.76	560.93	559.00	1.76'	557.00	4.41'	
2-33	318+79.50	562.28	560.45	558.00	2.28'	556.50	4.43'	
2-34	318+89.25	561.80	559.97	557.00	2.80'	556.00	4.45'	
2-35	328+09.00	561.32	559.49	556.00	3.32'	555.50	4.47'	
2-36	328+18.75	560.84	559.01	555.00	3.84'	555.00	4.49'	
2-37	328+28.50	560.36	558.53	554.00	4.36'	554.50	4.51'	
2-38	328+38.25	559.88	558.05	553.00	4.88'	554.00	4.53'	
2-39	328+48.00	559.40	557.57	552.00	5.40'	553.50	4.55'	
2-40	328+57.75	558.92	557.09	551.00	5.92'	553.00	4.57'	
2-41	328+67.50	558.44	556.61	550.00	6.44'	552.50	4.59'	
2-42	328+77.25	557.96	556.13	549.00	6.96'	552.00	4.61'	
2-43	328+87.00	557.48	555.65	548.00	7.48'	551.50	4.63'	
2-44	328+96.75	557.00	555.17	547.00	8.00'	551.00	4.65'	
2-45	338+06.50	556.52	554.69	546.00	8.52'	550.50	4.67'	
2-46	338+16.25	556.04	554.21	545.00	9.04'	550.00	4.69'	
2-47	338+26.00	555.56	553.73	544.00	9.56'	549.50	4.71'	
2-48	338+35.75	555.08	553.25	543.00	10.08'	549.00	4.73'	
2-49	338+45.50	554.60	552.77	542.00	10.60'	548.50	4.75'	
2-50	338+55.25	554.12	552.29	541.00	11.12'	548.00	4.77'	
2-51	338+65.00	553.64	551.81	540.00	11.64'	547.50	4.79'	
2-52	338+74.75	553.16	551.33	539.00	12.16'	547.00	4.81'	

DESIGN LOADINGS
 PEDESTRIAN = 90 LB / S.F.
 VEHICLE = 1200 LB. SINGLE VEHICLE MAX.
 ONE VEHICLE ON THE STRUCTURE AT ANY TIME
 VEHICLE LOAD SHALL NOT BE COMBINED WITH
 PEDESTRIAN LOAD

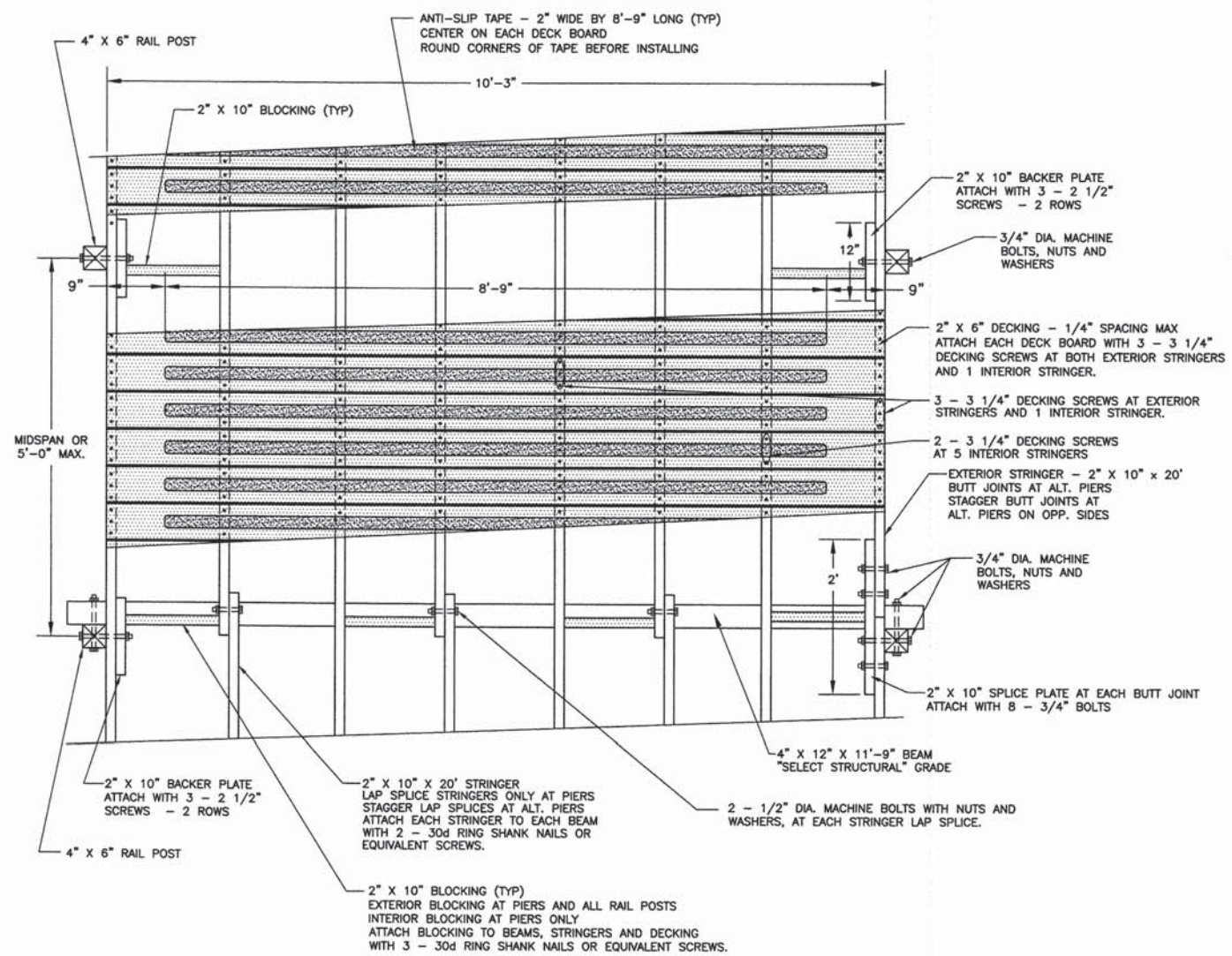
ELEVATION - WOOD DECKING SPECIAL 2 AND PIER

PIERS TO BE SPACED 9'-9" O.C. MAX.

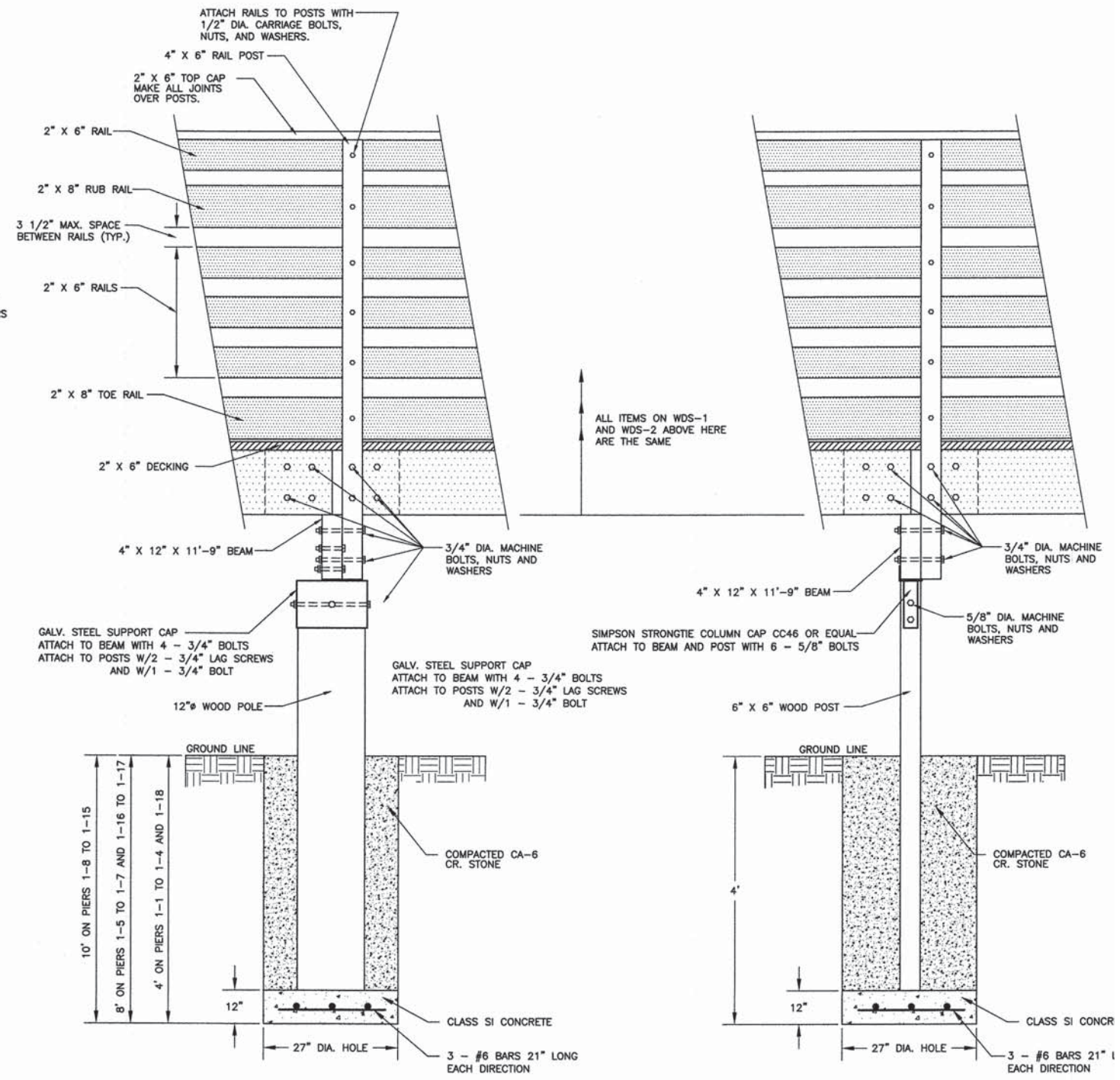
GENERAL WOOD DECKING SPECIAL NOTES

1. ALL FASTENERS ON THE WOOD DECKING SPECIAL SHALL BE HOT DIPPED GALVANIZED OR STAINLESS STEEL - NO EXCEPTIONS.
2. STAGGER RAILING JOINTS ON ALTERNATING RAIL POSTS.
3. TOP CAP JOINTS SHALL BE MADE OVER POSTS.
4. ALL LUMBER DIMENSIONS ARE NOMINAL.
5. ALL LUMBER FOR STRINGERS, DECKING, RAILING, AND POSTS SHALL BE NO.1 GRADE, S DRY 19% OR LESS.
6. ALL LUMBER FOR 4" X 12" BEAMS SHALL BE "SELECT STRUCTURAL", S DRY 19% OR LESS.
7. HOLES FOR BOLTS SHALL BE DRILLED AT LEAST 1/32" BUT NOT MORE THAN 1/16" LARGER THAN THE BOLT.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO
10-00092-00-BT	EFFINGHAM	53	49
CONTRACT NO. 95684			



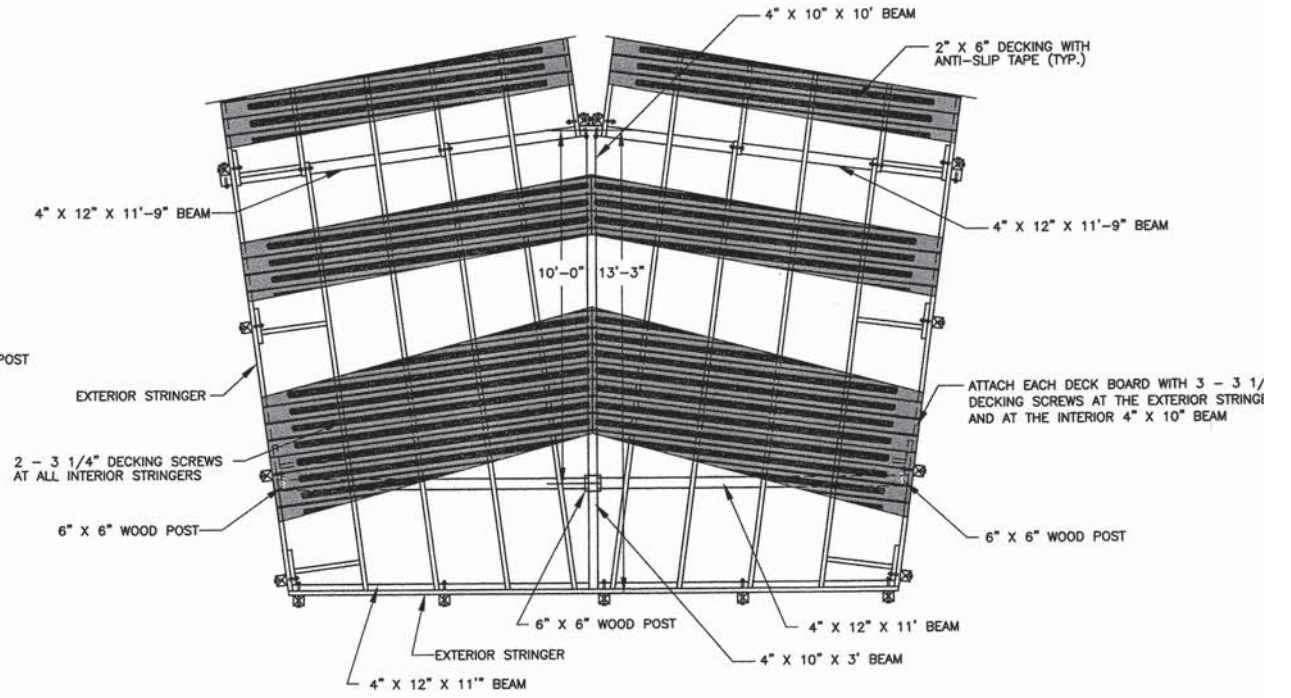
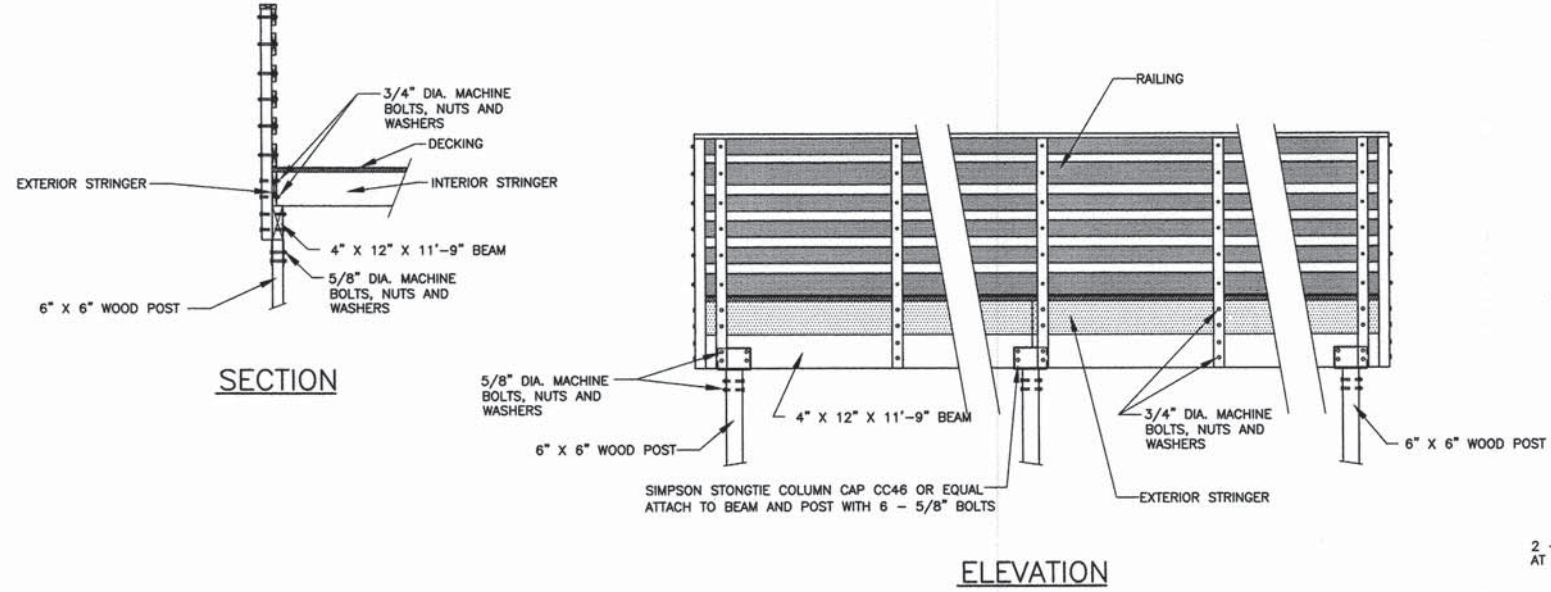
PLAN - WOOD DECKING SPECIAL 1 & 2



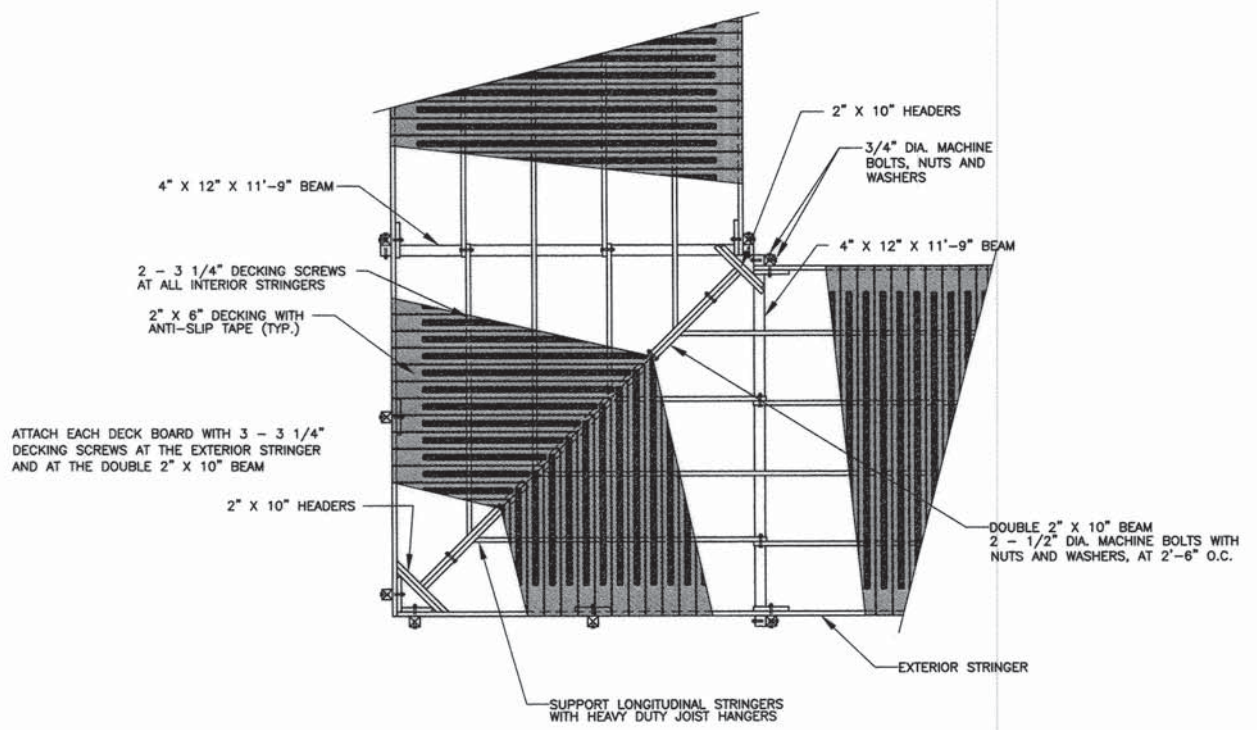
SIDE ELEVATION - W. D. S.-1

SIDE ELEVATION - W. D. S.-2

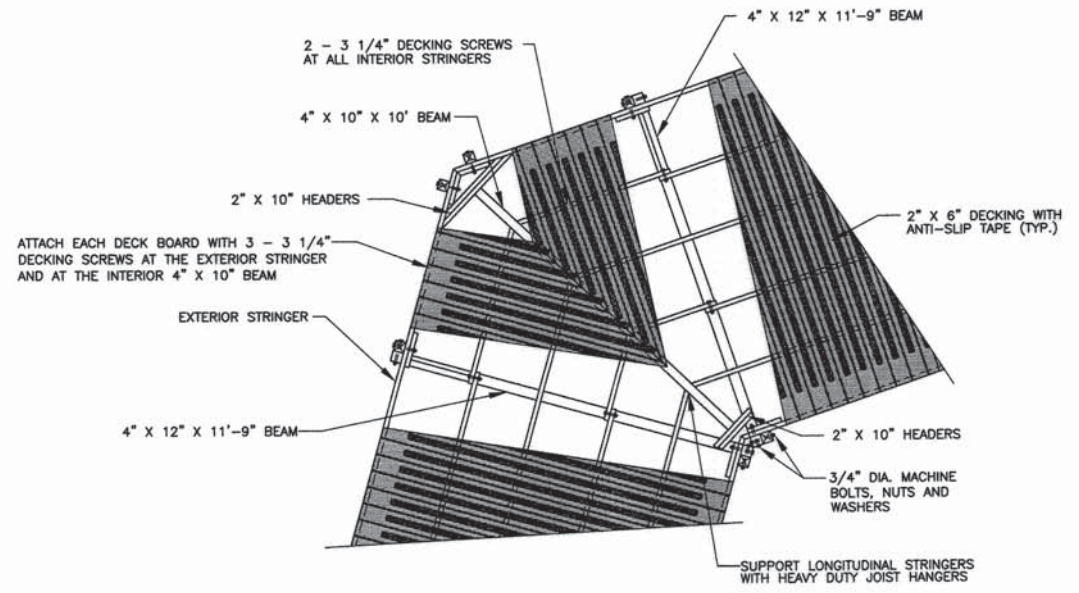
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10-00092-00-BT	EFFINGHAM	53	50
CONTRACT NO. 95684			



WOOD DECKING SPECIAL, END SECTION / RETURN DETAILS

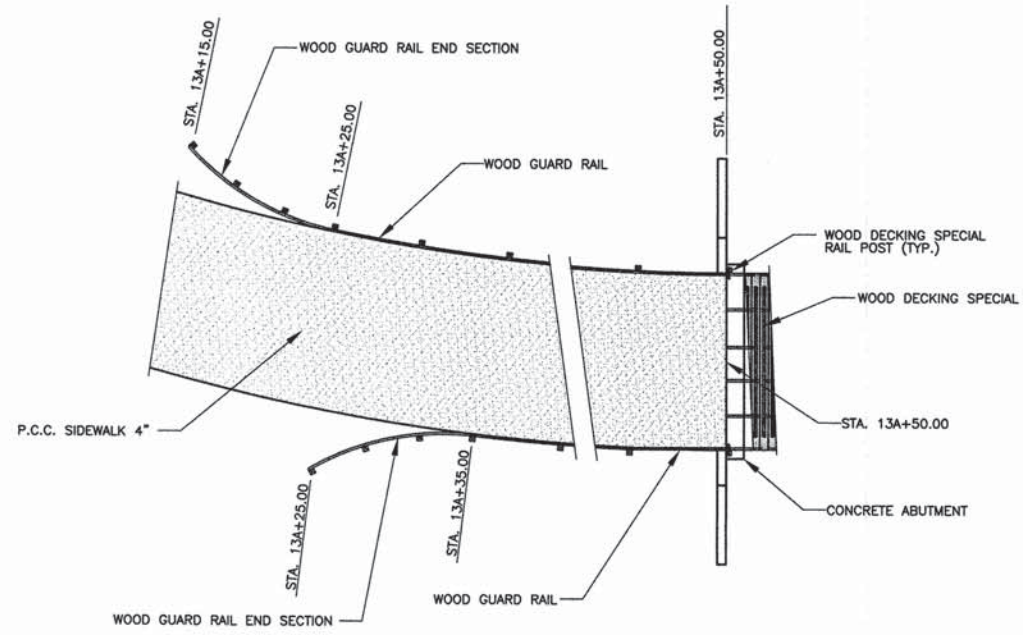


WOOD DECKING SPECIAL, 90° BEND DETAILS



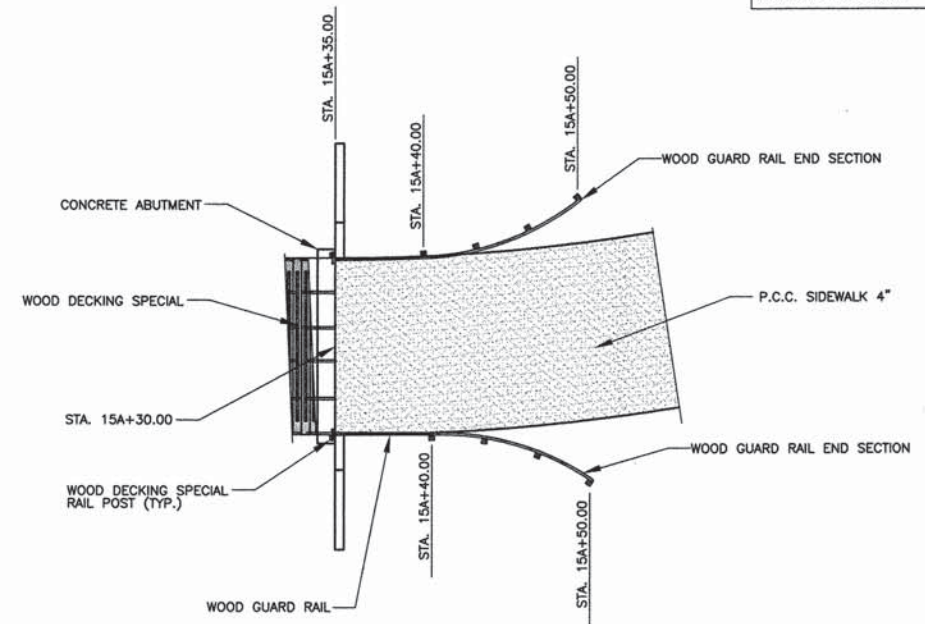
WOOD DECKING SPECIAL, INTERIOR BEND DETAILS

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10-00092-00-BT	EFFINGHAM	53	51
CONTRACT NO. 95684			



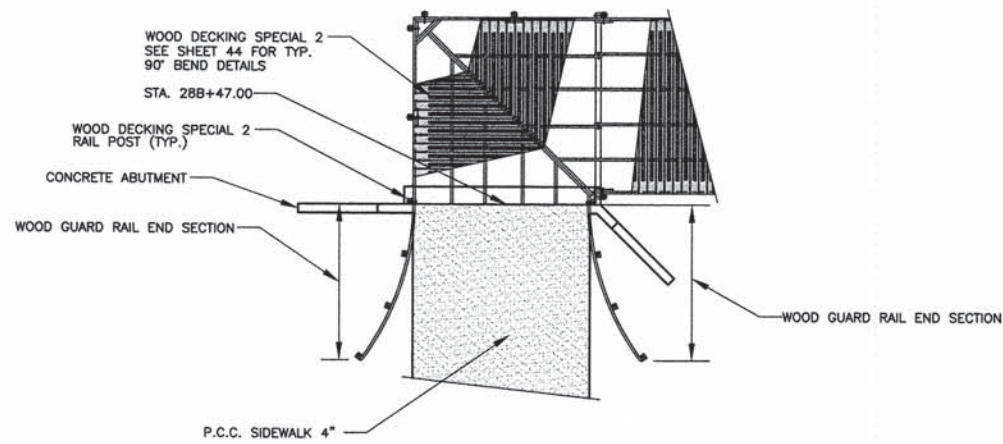
WOOD DECKING SPECIAL 1, ABUTMENT 1

SEE SHEET 52 FOR ABUTMENT DETAILS
SEE SHEET 3 FOR GUARD RAIL DETAILS



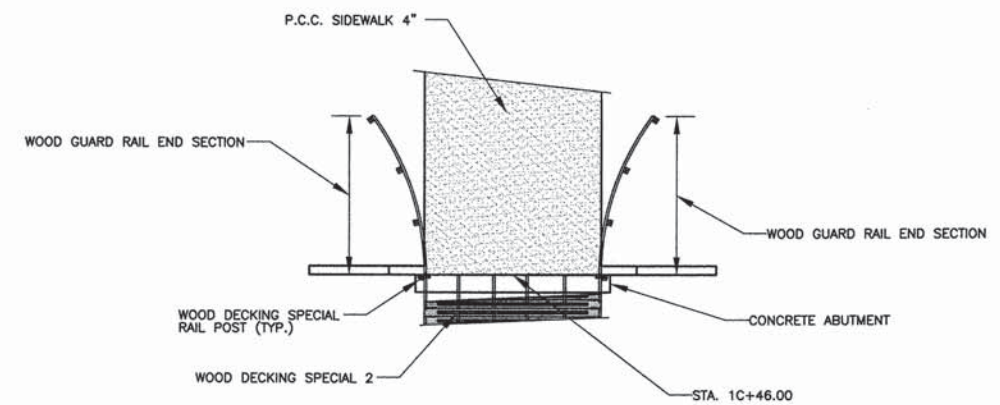
WOOD DECKING SPECIAL 1, ABUTMENT 2

SEE SHEET 52 FOR ABUTMENT DETAILS
SEE SHEET 3 FOR GUARD RAIL DETAILS



WOOD DECKING SPECIAL 2, ABUTMENT 1

SEE SHEET 53 FOR ABUTMENT DETAILS
SEE SHEET 3 FOR GUARD RAIL DETAILS



WOOD DECKING SPECIAL 2, ABUTMENT 2

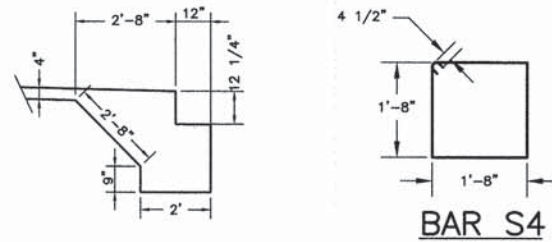
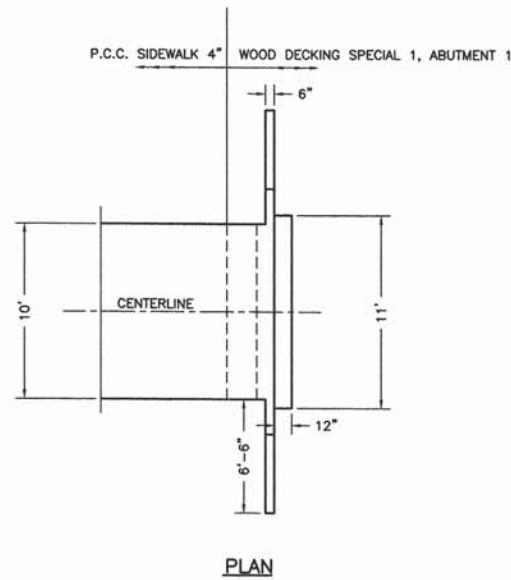
SEE SHEET 53 FOR ABUTMENT DETAILS
SEE SHEET 3 FOR GUARD RAIL DETAILS

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10-00092-00-BT	EFFINGHAM	53	52
CONTRACT NO. 95684			

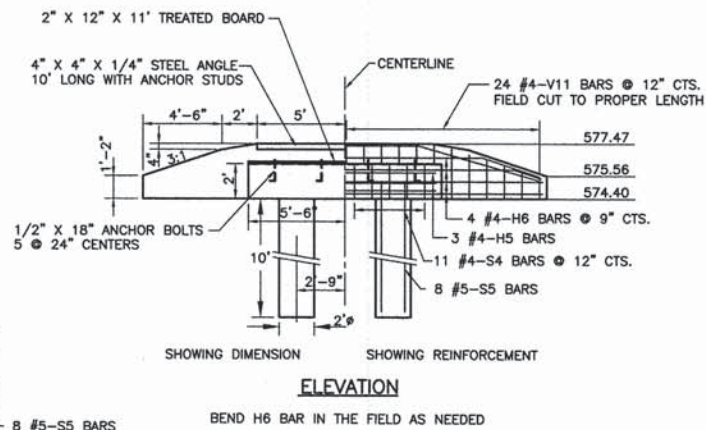
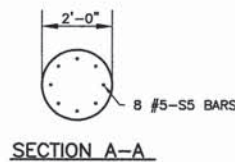
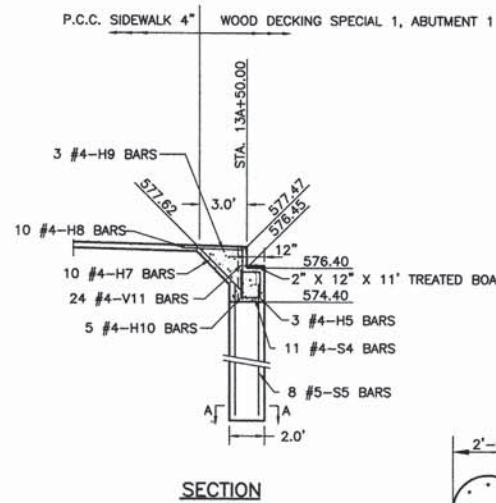
BILL OF MATERIAL

Wood Decking Special 1, Abutment 1

Bar	No.	Size	Length	Shape
H5	3	#4	10'-8"	—
H6	4	#4	22'-8"	—
H7	10	#4	3'-8"	—
H8	10	#4	4'-0"	—
H9	3	#4	9'-8"	—
S4	11	#4	7'-5"	□
S5	16	#4	11'-0"	—
V11	24	#4	4'-4"	—
Concrete Structures	Cu. Yd.		8.4	
Reinforcement Bars	Pound		615	



ABUTMENT DIMENSIONS



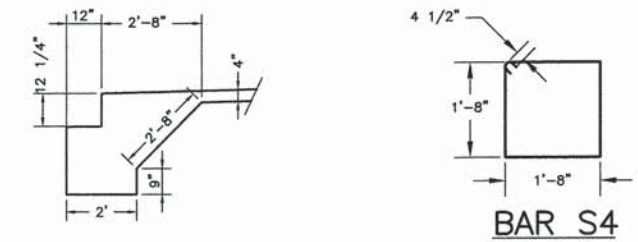
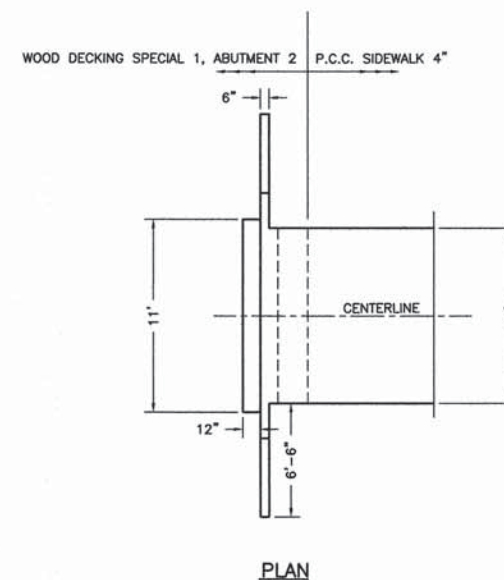
WOOD DECKING SPECIAL 1, ABUTMENT 1 DETAILS

LUMBER DIMENSIONS ARE NOMINAL

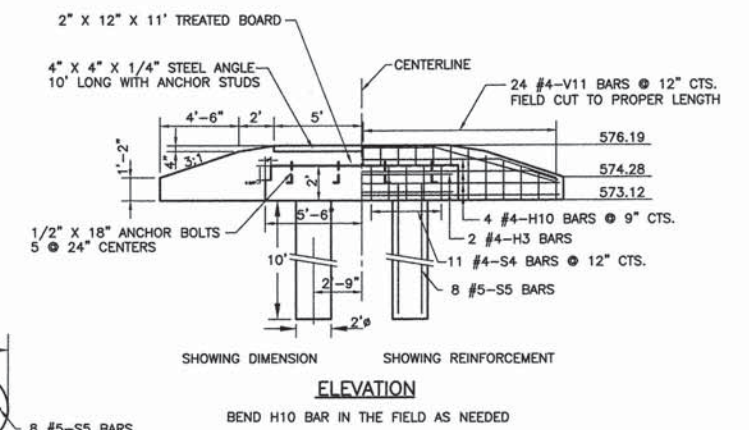
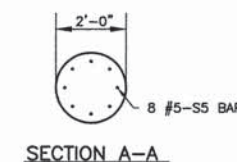
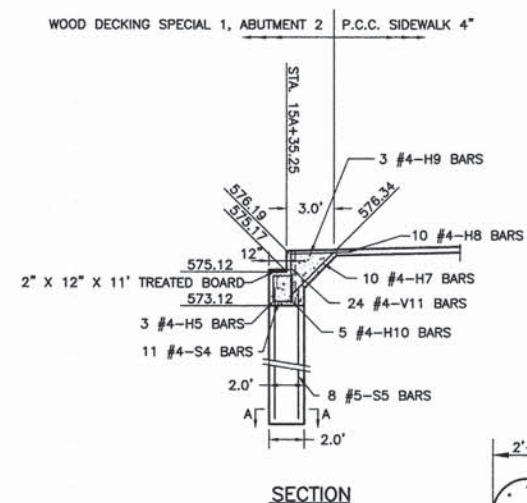
BILL OF MATERIAL

Wood Decking Special 1, Abutment 2

Bar	No.	Size	Length	Shape
H5	3	#4	10'-8"	—
H10	4	#4	22'-8"	—
H7	10	#4	3'-8"	—
H8	10	#4	4'-0"	—
H9	3	#4	9'-8"	—
S4	11	#4	7'-5"	□
S5	16	#4	11'-0"	—
V11	24	#4	4'-4"	—
Concrete Structures	Cu. Yd.		8.4	
Reinforcement Bars	Pound		615	



ABUTMENT DIMENSIONS



WOOD DECKING SPECIAL 1, ABUTMENT 2 DETAILS

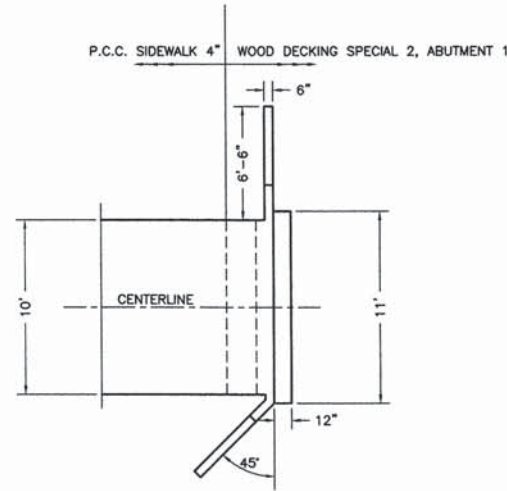
LUMBER DIMENSIONS ARE NOMINAL

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10-00092-00-BT	EFFINGHAM	53	
CONTRACT NO. 95684			

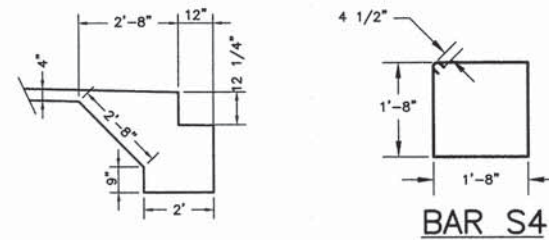
BILL OF MATERIAL

Wood Decking Special 2, Abutment 1

Bar	No.	Size	Length	Shape
H5	3	#4	10'-8"	—
H6	4	#4	22'-8"	—
H7	10	#4	3'-8"	—
H8	10	#4	4'-0"	—
H9	3	#4	9'-8"	—
S4	11	#4	7'-5"	□
S5	16	#4	6'-0"	—
V11	24	#4	4'-4"	—
Concrete Structures		Cu. Yd.	7.2	
Reinforcement Bars		Pound	530	

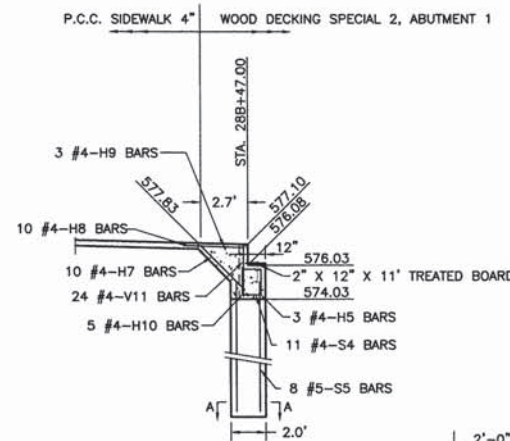


PLAN

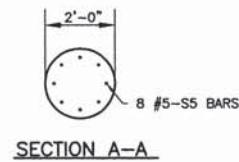


BAR S4

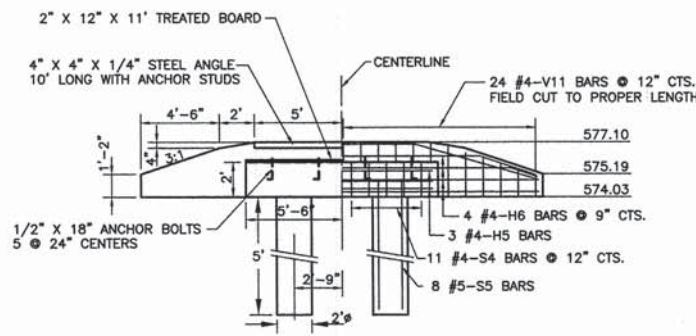
ABUTMENT DIMENSIONS



SECTION



SECTION A-A



SHOWING DIMENSION SHOWING REINFORCEMENT

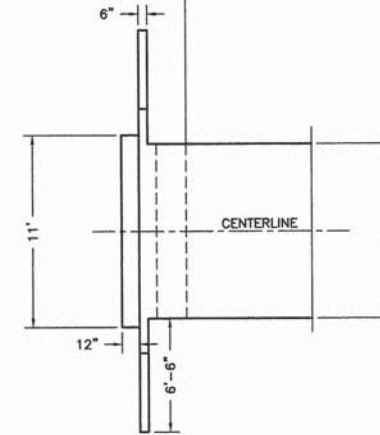
ELEVATION

BEND H6 BAR IN THE FIELD AS NEEDED

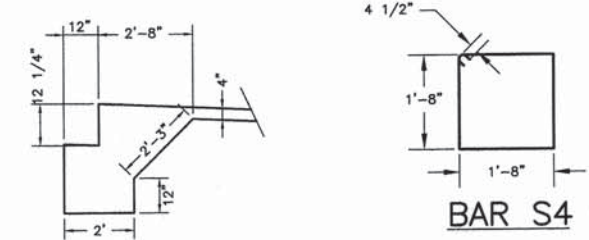
WOOD DECKING SPECIAL 2, ABUTMENT 1 DETAILS

LUMBER DIMENSIONS ARE NOMINAL

WOOD DECKING SPECIAL 2, ABUTMENT 2 P.C.C. SIDEWALK 4"

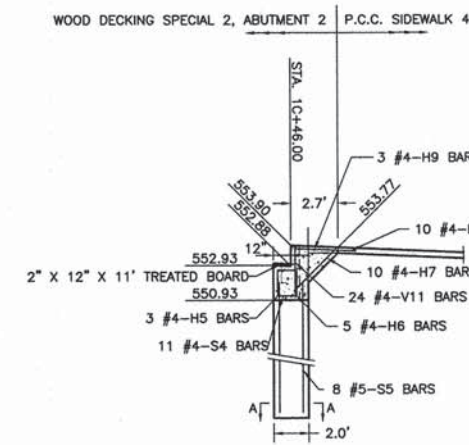


PLAN

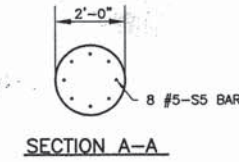


BAR S4

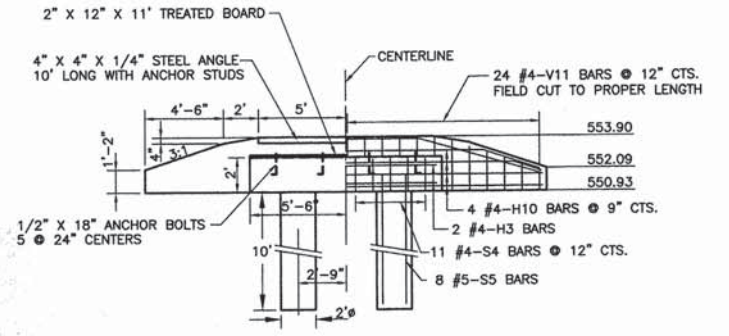
ABUTMENT DIMENSIONS



SECTION



SECTION A-A



SHOWING DIMENSION SHOWING REINFORCEMENT

ELEVATION

BEND H10 BAR IN THE FIELD AS NEEDED

WOOD DECKING SPECIAL 2, ABUTMENT 2 DETAILS

LUMBER DIMENSIONS ARE NOMINAL

BILL OF MATERIAL

Wood Decking Special 2, Abutment 2

Bar	No.	Size	Length	Shape
H5	3	#4	10'-8"	—
H10	4	#4	22'-8"	—
H7	10	#4	3'-8"	—
H8	10	#4	4'-0"	—
H9	3	#4	9'-8"	—
S4	11	#4	7'-5"	□
S5	16	#4	11'-0"	—
V11	24	#4	4'-4"	—
Concrete Structures		Cu. Yd.	8.4	
Reinforcement Bars		Pound	615	