F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	101
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

POINT	FAP 322 (US 51) STATION	FAP 322 (US 51) OFFSET	TR 229A STATION	TR 229A OFFSET	ELEVATION
A1	573+67.94	49.00 LT	19+45.74	113.69 RT	644.06
A2	573+82.02	49.57 LT	19+45.82	99.59 RT	644.10
A3	573+96.01	51.27 LT	19+44.76	85.54 RT	644.12
A4	574+09.81	54.08 LT	19+42.58	71.62 RT	644.12
A5	574+23.35	58.00 LT	19+39.28	57.92 RT	644.08
A6	574+36.53	63.00 LT	19+34.89	44.53 RT	643.97
A7	574+47.01	69.06 LT	19+29.32	33.78 RT	643.84
A8	574+55.72	77.46 LT	19+21.33	24.69 RT	643.71
A9	574+62.17	87.70 LT	19+11.39	17.79 RT	643.57
A10	574+65.96	99.20 LT	19+00.08	13.47 RT	643.43
A11	574+66.88	111.27 LT	18+88.07	12.00 RT	643.29

POINT	FAP 322 (US 51) STATION	FAP 322 (US 51) OFFSET	TR 229A STATION	TR 229A OFFSET	ELEVATION
B1	574+87.49	221.45 LT	17+78.57	12.00 LT	642.52
B2	574+88.56	198.04 LT	18+02.08	12.61 LT	642.61
B3	574+91.00	174.73 LT	18+25.52	14.45 LT	642.70
B4	574+94.79	151.61 LT	18+48.86	17.51 LT	642.82
B5	574+99.94	128.74 LT	18+72.02	21.78 LT	643.02
B6	575+06.41	106.22 LT	18+94.92	27.26 LT	643.30
B7	575+13.31	91.39 LT	19+10.05	33.47 LT	643.62
B8	575+23.69	78.75 LT	19+23.15	43.27 LT	644.00
B9	575+36.90	69.10 LT	19+33.39	56.02 LT	644.33
B10	575+52.10	63.06 LT	19+40.13	70.93 LT	644.51
B11	575+68.33	61.00 LT	19+42.93	87.04 LT	644.61

POINT	FAP 322 (US 51) STATION	FAP 322 (US 51) OFFSET	TR 229A STATION	TR 229A OFFSET	ELEVATION
D1	574+77.24	216.50 RT	22+16.27	12.00 RT	643.93
D2	574+76.07	194.17 RT	21+93.92	12.63 RT	643.96
D3	574+73.66	171.95 RT	21+71.64	14.50 RT	643.90
D4	574+70.01	149.89 RT	21+49.50	17.61 RT	643.75
D5	574+65.13	128.07 RT	21+27.57	21.96 RT	643.54
D6	574+59.05	106.56 RT	21+05.92	27.52 RT	643.31
D7	574+52.19	91.63 RT	20+90.83	34.01 RT	643.09
D8	574+41.81	78.90 RT	20+77.85	44.08 RT	642.92
D9	574+28.57	69.17 RT	20+67.81	57.08 RT	642.81
D10	574+13.32	63.08 RT	20+61.34	72.18 RT	642.75
D11	573+97.02	61.00 RT	20+58.87	88.42 RT	642.71

POINT	FAP 322 (US 51) STATION	FAP 322 (US 51) OFFSET	TR 229A STATION	TR 229A OFFSET	ELEVATION
C1	574+98.67	110.21 RT	21+10.54	12.00 LT	643.33
C2	574+99.80	98.37 RT	20+98.73	13.42 LT	643.45
C3	575+03.69	87.13 RT	20+87.58	17.58 LT	643.57
C4	575+10.13	77.13 RT	20+77.74	24.26 LT	643.74
C5	575+18.75	68.93 RT	20+69.75	33.07 LT	643.95
C6	575+29.06	63.00 RT	20+64.07	43.53 LT	644.19
C7	575+42.23	58.00 RT	20+59.40	56.82 LT	644.43
C8	575+55.77	54.08 RT	20+55.81	70.45 LT	644.62
C9	575+69.58	51.27 RT	20+53.33	84.32 LT	644.79
C10	575+83.56	49.57 RT	20+51.97	98.34 LT	644.90
C11	575+97.64	49.00 RT	20+51.74	112.43 LT	644.97

NOTES:

ALL STATIONS, OFFSETS, AND ELEVATIONS SHOWN ARE FOR FINAL PAVING.

SEE SHEETS 60 & 77 FOR PLAN AND PROFILES.

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GEOMETRIC DETAILS TR 229A FAP 322 (US 51) SECTION 11-12 CHRISTIAN COUNTY

SCALE: 1"=50' DRAWN BY BGJ

DATE 8/22/06 CHECKED BY TLD

SCALE IN FEET 1"=50'

Mon-15-2018 12:27:23 PM

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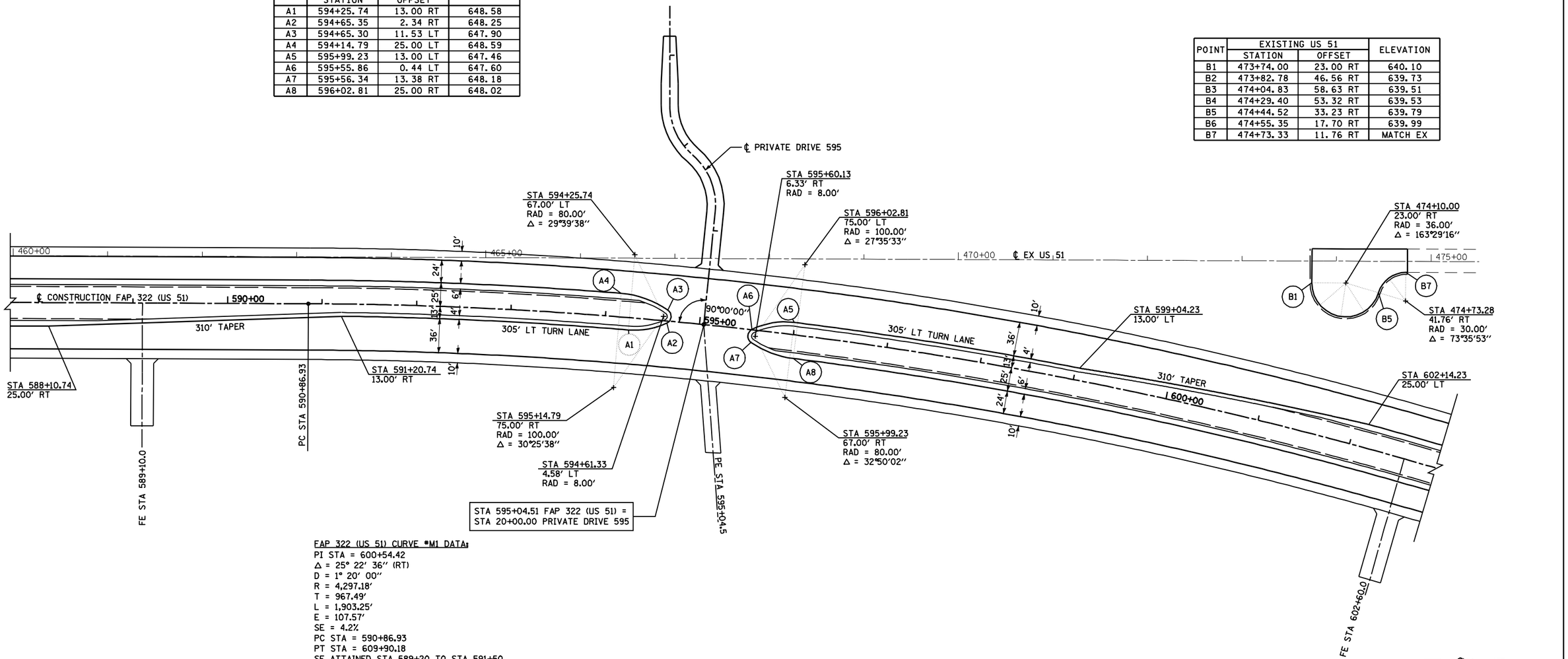
72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	102
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

POINT	FAP 322 (US 51)		ELEVATION
	STATION	OFFSET	
A1	594+25.74	13.00 RT	648.58
A2	594+65.35	2.34 RT	648.25
A3	594+65.30	11.53 LT	647.90
A4	594+14.79	25.00 LT	648.59
A5	595+99.23	13.00 LT	647.46
A6	595+55.86	0.44 LT	647.60
A7	595+56.34	13.38 RT	648.18
A8	596+02.81	25.00 RT	648.02

POINT	EXISTING US 51		ELEVATION
	STATION	OFFSET	
B1	473+74.00	23.00 RT	640.10
B2	473+82.78	46.56 RT	639.73
B3	474+04.83	58.63 RT	639.51
B4	474+29.40	53.32 RT	639.53
B5	474+44.52	33.23 RT	639.79
B6	474+55.35	17.70 RT	639.99
B7	474+73.33	11.76 RT	MATCH EX



FAP 322 (US 51) CURVE *M1 DATA:
PI STA = 600+54.42
Δ = 25° 22' 36" (RT)
D = 1° 20' 00"
R = 4,297.18'
T = 967.49'
L = 1,903.25'
E = 107.57'
SE = 4.2%
PC STA = 590+86.93
PT STA = 609+90.18
SE ATTAINED STA 589+20 TO STA 591+50
(TR STA 589+20 TO STA 589+61)
SE REMOVED STA 609+27 TO STA 611+57
(TR STA 611+16 TO STA 611+57)

NOTES:

ALL STATIONS, OFFSETS, AND ELEVATIONS SHOWN ARE FOR FINAL PAVING.

SEE SHEETS 61 & 79 FOR PLAN AND PROFILES.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GEOMETRIC DETAILS
MEDIAN CROSSOVER - STA 595+05
FAP 322 (US 51)
SECTION 11-12
CHRISTIAN COUNTY

SCALE: 1"=50' DRAWN BY SEB

DATE 8/22/06 CHECKED BY TLD

Mon-15-2018 12:27:29PM

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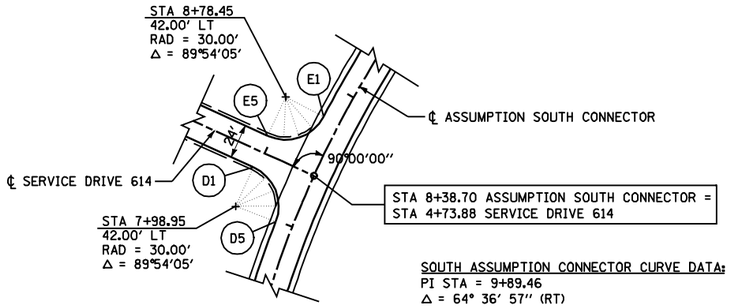
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	103
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

POINT	FAP 322 (US 51)		CONNECTOR		ELEVATION
	STATION	OFFSET	STATION	OFFSET	
A1	613+54.02	49.00 LT	2+99.00	110.99 LT	642.72
A2	613+68.10	49.57 LT	2+99.57	96.91 LT	642.66
A3	613+82.09	51.27 LT	3+01.27	82.92 LT	642.58
A4	613+95.90	54.08 LT	3+04.08	69.12 LT	642.49
A5	614+09.43	58.00 LT	3+08.00	55.58 LT	642.37
A6	614+22.61	63.00 LT	3+13.00	42.40 LT	642.23
A7	614+32.73	68.79 LT	3+18.79	32.29 LT	642.09
A8	614+41.23	76.76 LT	3+26.76	23.79 LT	641.96
A9	614+47.66	86.48 LT	3+36.48	17.36 LT	641.84
A10	614+51.66	97.43 LT	3+47.43	13.36 LT	641.77
A11	614+53.01	109.00 LT	3+59.00	12.00 LT	641.72

POINT	FAP 322 (US 51)		CONNECTOR		ELEVATION
	STATION	OFFSET	STATION	OFFSET	
B1	614+77.01	218.42 LT	4+68.42	12.00 RT	641.50
B2	614+77.64	196.07 LT	4+46.07	12.63 RT	641.52
B3	614+79.51	173.79 LT	4+23.79	14.50 RT	641.54
B4	614+82.63	151.65 LT	4+01.65	17.61 RT	641.56
B5	614+86.97	129.72 LT	3+79.72	21.96 RT	641.58
B6	614+92.54	108.07 LT	3+58.07	27.52 RT	641.60
B7	614+99.19	92.71 LT	3+42.71	34.17 RT	641.63
B8	615+09.54	79.55 LT	3+29.55	44.53 RT	641.70
B9	615+22.91	69.48 LT	3+19.48	57.90 RT	641.79
B10	615+38.41	63.16 LT	3+13.16	73.40 RT	641.87
B11	615+55.01	61.00 LT	3+11.00	90.00 RT	641.87

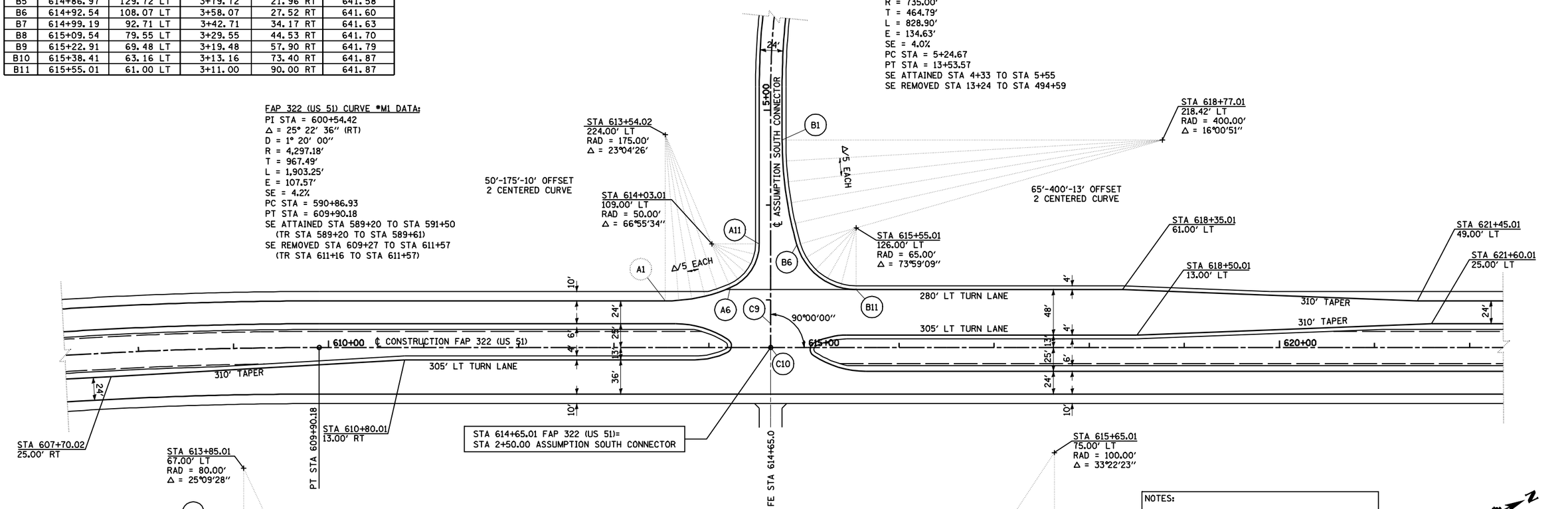


POINT	CONNECTOR		SERVICE DRIVE 614		ELEVATION
	STATION	OFFSET	STATION	OFFSET	
D1	8+27.33	40.96 LT	3+97.02	12.00 RT	641.32
D2	8+25.12	29.89 LT	4+08.12	14.13 RT	641.42
D3	8+19.03	20.50 LT	4+17.65	20.22 RT	641.56
D4	8+09.85	14.21 LT	4+24.25	29.41 RT	641.73
D5	7+98.95	12.00 LT	4+26.98	40.38 RT	641.83

POINT	CONNECTOR		SERVICE DRIVE 614		ELEVATION
	STATION	OFFSET	STATION	OFFSET	
E1	8+78.45	12.00 LT	4+26.98	40.38 LT	641.75
E2	8+67.55	14.21 LT	4+24.25	29.41 LT	641.67
E3	8+58.37	20.50 LT	4+17.65	20.22 LT	641.52
E4	8+52.28	29.89 LT	4+08.12	14.13 LT	641.43
E5	8+50.07	40.96 LT	3+97.02	12.00 LT	641.40

SOUTH ASSUMPTION CONNECTOR CURVE DATA:
PI STA = 9+89.46
Δ = 64° 36' 57" (RT)
D = 7° 47' 43"
R = 735.00'
T = 464.79'
L = 828.90'
E = 134.63'
SE = 4.0%
PC STA = 5+24.67
PT STA = 13+53.57
SE ATTAINED STA 4+33 TO STA 5+55
SE REMOVED STA 13+24 TO STA 494+59

FAP 322 (US 51) CURVE *M1 DATA:
PI STA = 600+54.42
Δ = 25° 22' 36" (RT)
D = 1° 20' 00"
R = 4,297.18'
T = 967.49'
L = 1,903.25'
E = 107.57'
SE = 4.2%
PC STA = 590+86.93
PT STA = 609+90.18
SE ATTAINED STA 589+20 TO STA 591+50
(TR STA 589+20 TO STA 589+61)
SE REMOVED STA 609+27 TO STA 611+57
(TR STA 611+16 TO STA 611+57)



POINT	FAP 322 (US 51)		CONNECTOR		ELEVATION
	STATION	OFFSET	STATION	OFFSET	
C1	613+65.01	25.00' LT	2+75.00	100.00 LT	642.68
C2	614+20.02	5.46' LT	2+58.51	44.99 LT	642.12
C3	614+19.02	2.94' RT	N/A	N/A	642.08
C4	613+85.01	13.00' RT	N/A	N/A	642.38
C5	615+45.01	13.00' LT	2+63.00	80.00 RT	641.90
C6	615+11.01	2.94' LT	2+55.41	45.99 RT	641.80
C7	615+10.01	5.46' RT	N/A	N/A	641.85
C8	615+65.01	25.00' RT	N/A	N/A	642.08
C9	614+65.01	25.00' LT	2+75.00	℄	642.38
C10	614+65.02	0.00' RT	2+50.00	℄	642.38

NOTES:

ALL STATIONS, OFFSETS, AND ELEVATIONS SHOWN ARE FOR FINAL PAVING.

SEE SHEETS 62 & 80-81 FOR PLAN AND PROFILES.

N

50 0 50 100
SCALE IN FEET
1"=50'

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GEOMETRIC DETAILS
ASSUMPTION SOUTH CONNECTOR
FAP 322 (US 51)
SECTION 11-12
CHRISTIAN COUNTY

SCALE: 1"=50' DRAWN BY BGJ
DATE 8/22/06 CHECKED BY TLD

Mon-15-2018 12:27:28PM
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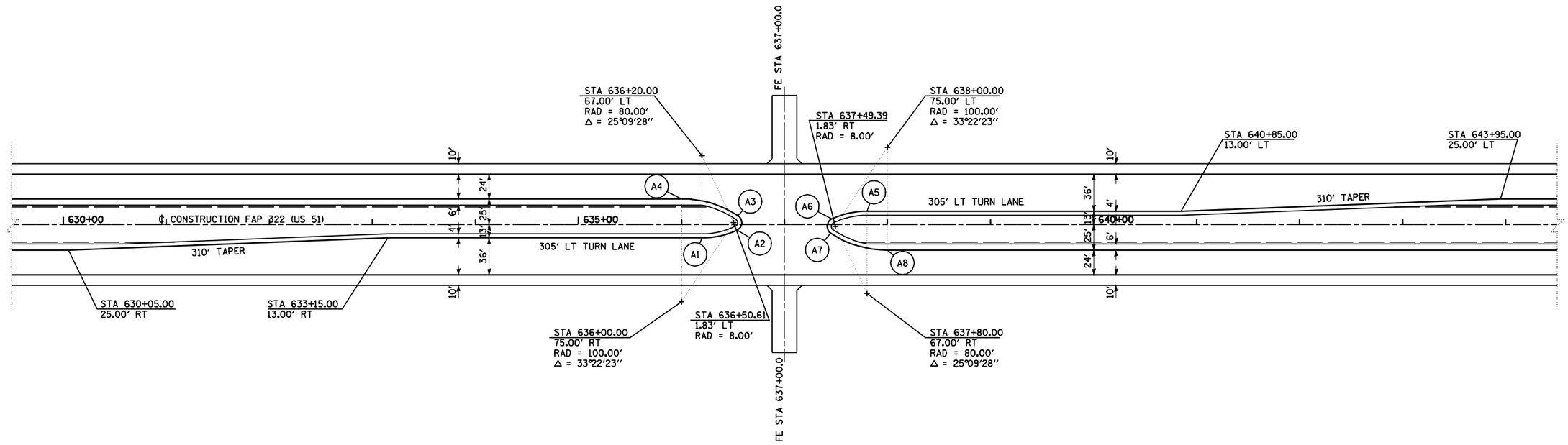
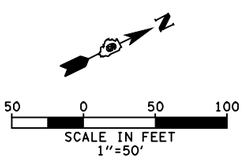
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	104
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

POINT	FAP 322 (US 51)		ELEVATION
	STATION	OFFSET	
A1	636+20.00	13.00′ RT	643.87
A2	636+54.01	5.41′ RT	643.82
A3	636+55.01	8.51′ LT	643.89
A4	636+00.00	25.00′ LT	644.05
A5	637+80.00	13.00′ LT	643.81
A6	637+45.99	5.41′ LT	644.09
A7	637+44.99	8.51′ RT	644.15
A8	638+00.00	25.00′ RT	644.59





NOTES:

ALL STATIONS, OFFSETS, AND ELEVATIONS SHOWN ARE FOR FINAL PAVING.

SEE SHEET 64 FOR PLAN AND PROFILES.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GEOMETRIC DETAILS
MEDIAN CROSSOVER - STA 637+00
FAP 322 (US 51)
SECTION 11-12
CHRISTIAN COUNTY

SCALE: 1″=50′ DRAWN BY EBB

DATE 1/18/10 CHECKED BY SEB

72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	105
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

POINT	FAP 322 (US 51) STATION	FAP 322 (US 51) OFFSET	ILLINOIS STREET STATION	ILLINOIS STREET OFFSET	ELEVATION
A1	657+99.57	49.00 LT	50+29.47	158.27 RT	643.14
A2	658+19.58	49.58 LT	50+29.80	138.58 RT	643.05
A3	658+39.53	51.32 LT	50+28.84	118.91 RT	642.89
A4	658+59.36	54.22 LT	50+26.59	99.35 RT	642.68
A5	658+79.00	58.26 LT	50+23.07	79.98 RT	642.41
A6	658+98.40	63.43 LT	50+18.28	60.88 RT	642.08
A7	659+11.62	69.24 LT	50+12.65	47.86 RT	641.73
A8	659+22.95	78.11 LT	50+03.89	36.72 RT	641.23
A9	659+31.64	89.49 LT	49+92.58	28.19 RT	640.75
A10	659+37.11	102.64 LT	49+79.45	22.83 RT	640.29
A11	659+38.96	116.70 LT	49+65.40	21.00 RT	639.97

POINT	FAP 322 (US 51) STATION	FAP 322 (US 51) OFFSET	ILLINOIS STREET STATION	ILLINOIS STREET OFFSET	ELEVATION
E1	658+74.07	25.00 LT	50+56.20	85.63 RT	644.19
E2	659+22.57	11.41 LT	50+70.59	37.66 RT	644.17
E3	659+22.20	2.45 RT	50+84.44	38.15 RT	643.20
E4	658+80.70	13.00 RT	50+94.34	79.92 RT	643.53
E5	660+46.00	13.00 LT	50+67.54	85.23 LT	643.84
E6	660+09.99	5.72 LT	50+75.76	49.54 LT	643.80
E7	660+08.64	8.28 RT	50+89.79	48.46 LT	643.06
E8	660+63.03	25.00 RT	51+04.91	103.62 LT	643.63
E9	659+60.43	25.00 LT	50+57.09	℄	643.93
E10	659+60.24	25.00 RT	51+07.09	℄	643.93

POINT	FAP 322 (US 51) STATION	FAP 322 (US 51) OFFSET	ILLINOIS STREET STATION	ILLINOIS STREET OFFSET	ELEVATION
B1	659+85.00	153.48 LT	49+28.43	22.80 LT	639.03
B2	659+86.39	143.28 LT	49+38.61	24.25 LT	639.25
B3	659+88.20	133.14 LT	49+48.72	26.11 LT	639.47
B4	659+90.43	123.08 LT	49+58.75	28.38 LT	639.69
B5	659+93.08	113.12 LT	49+68.68	31.07 LT	639.90
B6	659+96.13	103.26 LT	49+78.49	34.16 LT	640.10
B7	660+03.07	89.02 LT	49+92.61	41.11 LT	640.55
B8	660+12.87	77.56 LT	50+03.88	50.87 LT	640.99
B9	660+25.58	68.55 LT	50+12.59	63.48 LT	641.43
B10	660+40.15	62.92 LT	50+17.83	77.88 LT	641.69
B11	660+55.68	61.00 LT	50+19.24	93.14 LT	641.74

FAP 322 (US 51) CURVE *M2 DATA;
PI STA = 655+98.31
Δ = 38° 03′ 53″ (LT)
D = 1° 54′ 35″
R = 3,000.00′
T = 1,034.88′
L = 1,993.07′
E = 173.48′
SE = 5.3%
PC STA = 645+63.43
PT STA = 665+56.50
SE ATTAINED STA 644+65 TO STA 647+43
(TR STA 644+65 TO STA 645+04)
SE REMOVED STA 664+77 TO STA 667+55
(TR STA 667+16 TO STA 667+55)

POINT	FAP 322 (US 51) STATION	FAP 322 (US 51) OFFSET	TR 209 STATION	TR 209 OFFSET	ELEVATION
D1	658+73.72	61.00 RT	51+42.16	88.13 RT	645.62
D2	658+88.27	62.90 RT	51+44.40	73.33 RT	645.60
D3	659+01.86	68.49 RT	51+50.23	59.54 RT	645.54
D4	659+13.61	77.39 RT	51+59.30	47.62 RT	645.40
D5	659+22.78	89.03 RT	51+71.03	38.32 RT	645.18
D6	659+28.79	102.65 RT	51+84.70	32.22 RT	644.97
D7	659+34.35	123.17 RT	52+05.25	26.57 RT	644.67
D8	659+38.79	143.98 RT	52+26.07	22.02 RT	644.38
D9	659+42.11	165.00 RT	52+47.11	18.58 RT	644.10
D10	659+44.32	186.19 RT	52+68.30	16.27 RT	643.82
D11	659+45.45	207.47 RT	52+89.58	15.10 RT	643.47

POINT	FAP 322 (US 51) STATION	FAP 322 (US 51) OFFSET	TR 209 STATION	TR 209 OFFSET	ELEVATION
C1	659+77.05	113.42 RT	51+95.40	17.79 LT	644.48
C2	659+79.16	100.03 RT	51+81.99	19.85 LT	644.55
C3	659+84.41	87.59 RT	51+69.49	25.12 LT	644.57
C4	659+92.51	76.88 RT	51+58.66	33.30 LT	644.61
C5	660+02.97	68.56 RT	51+50.17	43.88 LT	644.64
C6	660+15.15	63.16 RT	51+44.52	56.21 LT	644.67
C7	660+34.20	58.09 RT	51+38.95	75.51 LT	644.71
C8	660+53.53	54.12 RT	51+34.37	95.07 LT	644.76
C9	660+73.07	51.28 RT	51+30.77	114.83 LT	644.80
C10	660+92.75	49.57 RT	51+28.16	134.75 LT	644.81
C11	661+12.51	49.00 RT	51+26.56	154.77 LT	644.76

NOTES:

ALL STATIONS, OFFSETS, AND ELEVATIONS SHOWN ARE FOR FINAL PAVING.

ALL RADII GIVEN ARE TO THE EDGE OF PAVEMENT.

SEE SHEETS 65 & 82 FOR PLAN AND PROFILES.

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GEOMETRIC DETAILS
ILLINOIS STREET / TR 209
FAP 322 (US 51)
SECTION 11-12
CHRISTIAN COUNTY

SCALE: 1″=50′ DRAWN BY BGJ
DATE 8/22/06 CHECKED BY TLD

SCALE IN FEET 1″=50′

$FILE$ May-15-2018 12:27:32PM

72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	106
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

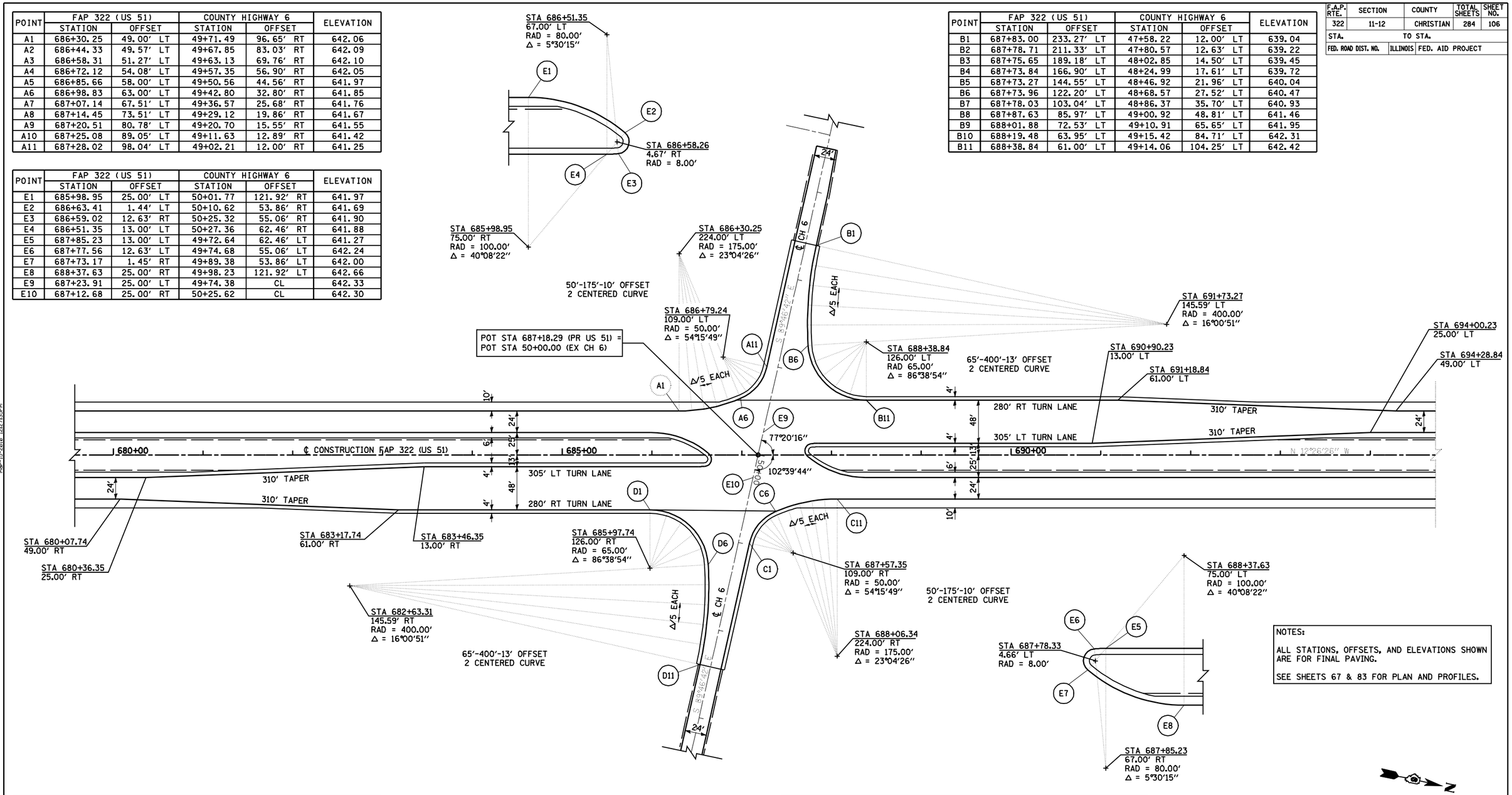
POINT	FAP 322 (US 51)		COUNTY HIGHWAY 6		ELEVATION
	STATION	OFFSET	STATION	OFFSET	
A1	686+30.25	49.00′ LT	49+71.49	96.65′ RT	642.06
A2	686+44.33	49.57′ LT	49+67.85	83.03′ RT	642.09
A3	686+58.31	51.27′ LT	49+63.13	69.76′ RT	642.10
A4	686+72.12	54.08′ LT	49+57.35	56.90′ RT	642.05
A5	686+85.66	58.00′ LT	49+50.56	44.56′ RT	641.97
A6	686+98.83	63.00′ LT	49+42.80	32.80′ RT	641.85
A7	687+07.14	67.51′ LT	49+36.57	25.68′ RT	641.76
A8	687+14.45	73.51′ LT	49+29.12	19.86′ RT	641.67
A9	687+20.51	80.78′ LT	49+20.70	15.55′ RT	641.55
A10	687+25.08	89.05′ LT	49+11.63	12.89′ RT	641.42
A11	687+28.02	98.04′ LT	49+02.21	12.00′ RT	641.25

POINT	FAP 322 (US 51)		COUNTY HIGHWAY 6		ELEVATION
	STATION	OFFSET	STATION	OFFSET	
E1	685+98.95	25.00′ LT	50+01.77	121.92′ RT	641.97
E2	686+63.41	1.44′ LT	50+10.62	53.86′ RT	641.69
E3	686+59.02	12.63′ RT	50+25.32	55.06′ RT	641.90
E4	686+51.35	13.00′ LT	50+27.36	62.46′ RT	641.88
E5	687+85.23	13.00′ LT	49+72.64	62.46′ LT	641.27
E6	687+77.56	12.63′ LT	49+74.68	55.06′ LT	642.24
E7	687+73.17	1.45′ RT	49+89.38	53.86′ LT	642.00
E8	688+37.63	25.00′ RT	49+98.23	121.92′ LT	642.66
E9	687+23.91	25.00′ LT	49+74.38	CL	642.33
E10	687+12.68	25.00′ RT	50+25.62	CL	642.30

POINT	FAP 322 (US 51)		COUNTY HIGHWAY 6		ELEVATION
	STATION	OFFSET	STATION	OFFSET	
B1	687+83.00	233.27′ LT	47+58.22	12.00′ LT	639.04
B2	687+78.71	211.33′ LT	47+80.57	12.63′ LT	639.22
B3	687+75.65	189.18′ LT	48+02.85	14.50′ LT	639.45
B4	687+73.84	166.90′ LT	48+24.99	17.61′ LT	639.72
B5	687+73.27	144.55′ LT	48+46.92	21.96′ LT	640.04
B6	687+73.96	122.20′ LT	48+68.57	27.52′ LT	640.47
B7	687+78.03	103.04′ LT	48+86.37	35.70′ LT	640.93
B8	687+87.63	85.97′ LT	49+00.92	48.81′ LT	641.46
B9	688+01.88	72.53′ LT	49+10.91	65.65′ LT	641.95
B10	688+19.48	63.95′ LT	49+15.42	84.71′ LT	642.31
B11	688+38.84	61.00′ LT	49+14.06	104.25′ LT	642.42

POINT	FAP 322 (US 51)		COUNTY HIGHWAY 6		ELEVATION
	STATION	OFFSET	STATION	OFFSET	
D1	685+97.74	61.00′ RT	50+85.94	104.25′ RT	641.73
D2	686+17.10	63.95′ RT	50+84.58	84.71′ RT	641.72
D3	686+34.71	72.53′ RT	50+89.09	65.65′ RT	641.61
D4	686+48.95	85.97′ RT	50+99.08	48.81′ RT	641.28
D5	686+58.55	103.04′ RT	51+13.63	35.70′ RT	640.87
D6	686+62.63	122.20′ RT	51+31.43	27.52′ RT	640.44
D7	686+63.31	144.55′ RT	51+53.08	21.96′ RT	639.97
D8	686+62.75	166.90′ RT	51+75.01	17.61′ RT	639.53
D9	686+60.93	189.18′ RT	51+97.15	14.50′ RT	639.13
D10	686+57.87	211.33′ RT	52+19.43	12.63′ RT	638.72
D11	686+53.58	233.27′ RT	52+41.78	12.00′ RT	638.28

POINT	FAP 322 (US 51)		COUNTY HIGHWAY 6		ELEVATION
	STATION	OFFSET	STATION	OFFSET	
C1	687+08.56	98.04′ RT	50+97.79	12.00′ LT	641.16
C2	687+11.50	89.05′ RT	50+88.37	12.89′ LT	641.33
C3	687+16.08	80.78′ RT	50+79.30	15.55′ LT	641.52
C4	687+22.13	73.51′ RT	50+70.88	19.86′ LT	641.70
C5	687+29.44	67.51′ RT	50+63.43	25.68′ LT	641.85
C6	687+37.75	63.00′ RT	50+57.20	32.80′ LT	641.99
C7	687+50.93	58.00′ RT	50+49.44	44.56′ LT	642.17
C8	687+64.46	54.08′ RT	50+42.65	56.90′ LT	642.32
C9	687+78.27	51.27′ RT	50+36.87	69.76′ LT	642.44
C10	687+92.26	49.57′ RT	50+32.15	83.03′ LT	642.52
C11	688+06.34	49.00′ RT	50+28.51	96.65′ LT	642.57



NOTES:

ALL STATIONS, OFFSETS, AND ELEVATIONS SHOWN ARE FOR FINAL PAVING.

SEE SHEETS 67 & 83 FOR PLAN AND PROFILES.

50 0 50 100
SCALE IN FEET
1″=50′

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GEOMETRIC DETAILS
COUNTY HIGHWAY 6
FAP 322 (US 51)
SECTION 11-12
CHRISTIAN COUNTY

SCALE: 1″=50′ DRAWN BY BGJ

DATE 8/22/06 CHECKED BY TLD

Mon-15-2006 12:27:39PM

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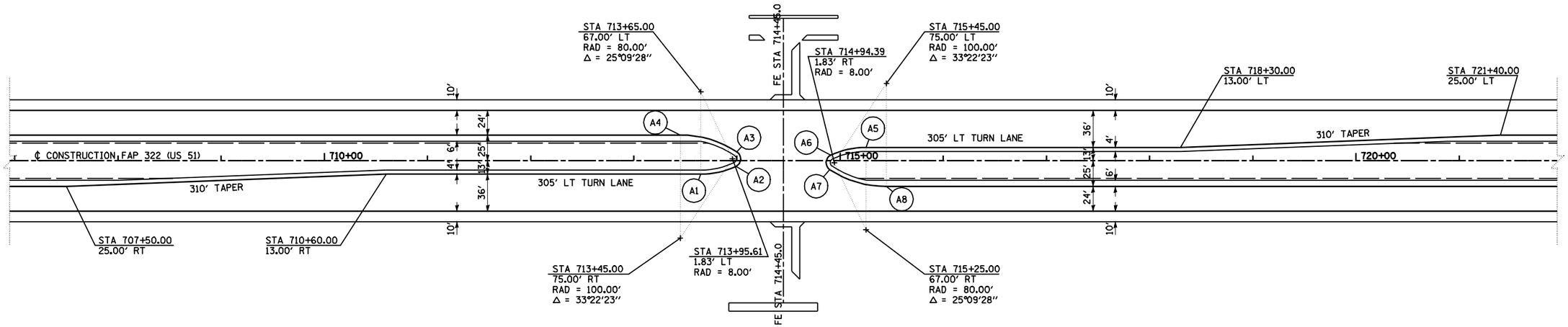
72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	107
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

POINT	FAP 322 (US 51)		ELEVATION
	STATION	OFFSET	
A1	713+65.00	13.00′ RT	637.57
A2	713+99.01	5.41′ RT	637.21
A3	714+00.01	8.51′ LT	637.27
A4	713+45.00	25.00′ LT	637.90
A5	715+25.00	13.00′ LT	636.61
A6	714+90.99	5.41′ LT	636.66
A7	714+89.99	8.51′ RT	636.73
A8	715+45.00	25.00′ RT	636.73



N

50 0 50 100
SCALE IN FEET
1″=50′

NOTES:

ALL STATIONS, OFFSETS, AND ELEVATIONS SHOWN ARE FOR FINAL PAVING.

SEE SHEET 69 FOR PLAN AND PROFILES.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GEOMETRIC DETAILS
MEDIAN CROSSOVER - STA 714+45
FAP 322 (US 51)
SECTION 11-12
CHRISTIAN COUNTY

SCALE: 1″=50′ DRAWN BY BDJ

DATE 8/22/06 CHECKED BY SEB

May-15-2010 12:27:38PM

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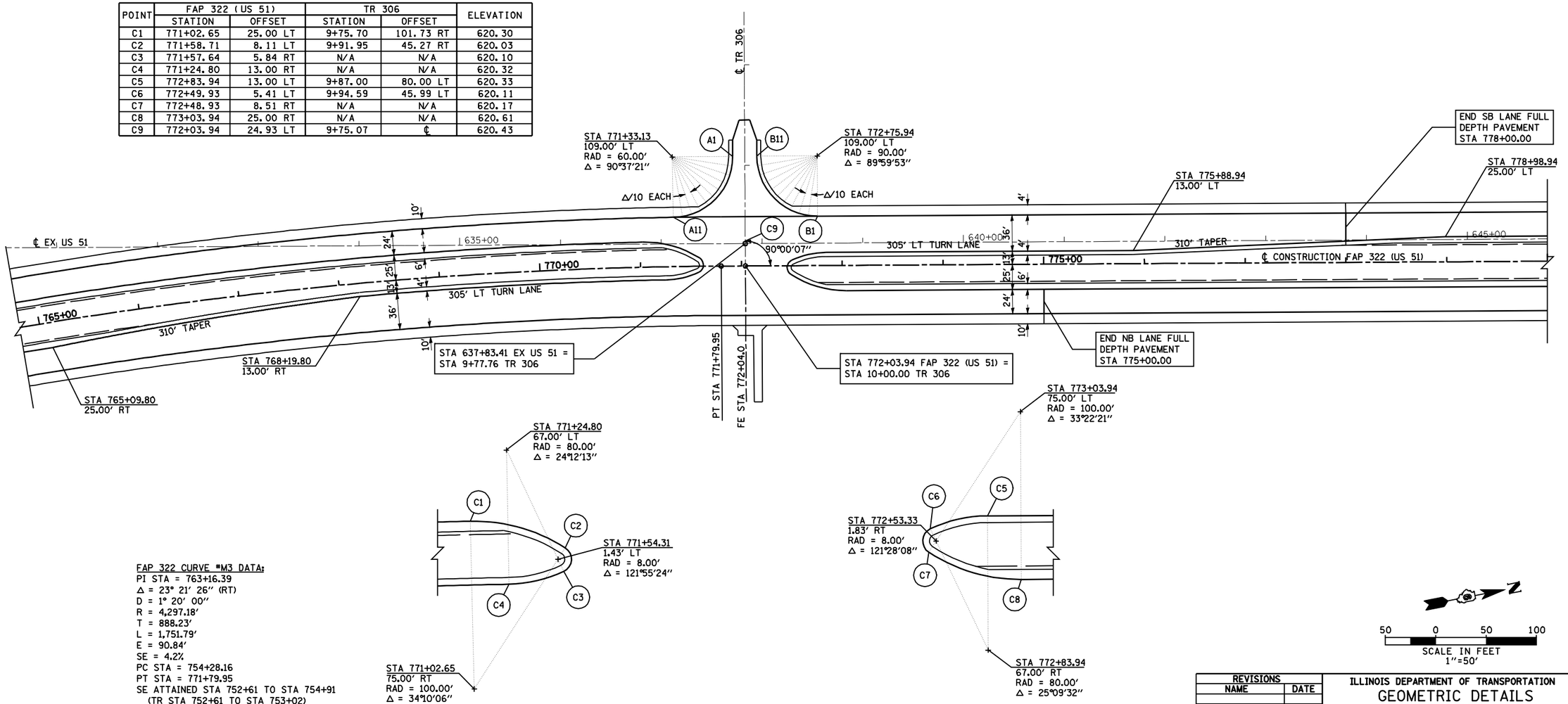
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	108
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

POINT	FAP 322 (US 51)		TR 306		ELEVATION
	STATION	OFFSET	STATION	OFFSET	
A1	771+91.94	108.74 LT	8+91.26	113.69 RT	620.86
A2	771+91.21	99.42 LT	9+00.58	99.59 RT	620.65
A3	771+89.04	90.32 LT	9+09.68	85.54 RT	620.42
A4	771+85.49	81.68 LT	9+18.32	71.62 RT	620.20
A5	771+80.63	73.68 LT	9+26.32	57.92 RT	620.15
A6	771+74.68	66.55 LT	9+33.45	44.53 RT	620.39
A7	771+67.70	60.45 LT	9+39.57	33.78 RT	620.66
A8	771+59.85	55.54 LT	9+44.51	24.69 RT	620.89
A9	771+51.32	51.94 LT	9+48.16	17.79 RT	621.07
A10	771+42.34	49.74 LT	9+50.43	13.47 RT	621.19
A11	771+33.13	49.00 LT	9+51.26	12.00 RT	621.26

POINT	FAP 322 (US 51)		TR 306		ELEVATION
	STATION	OFFSET	STATION	OFFSET	
B1	772+75.94	49.00 LT	9+51.00	72.00 LT	620.81
B2	772+66.55	49.74 LT	9+50.26	62.61 LT	620.79
B3	772+57.40	51.94 LT	9+48.07	53.46 LT	620.71
B4	772+48.70	55.54 LT	9+44.46	44.76 LT	620.58
B5	772+40.67	60.46 LT	9+39.54	36.73 LT	620.39
B6	772+33.51	66.57 LT	9+33.43	29.57 LT	620.21
B7	772+27.40	73.73 LT	9+26.27	23.46 LT	620.14
B8	772+22.48	81.76 LT	9+18.24	18.54 LT	620.22
B9	772+18.88	90.46 LT	9+09.54	14.94 LT	620.42
B10	772+16.68	99.61 LT	9+00.39	12.74 LT	620.65
B11	772+15.94	109.00 LT	8+91.00	12.00 LT	620.86

POINT	FAP 322 (US 51)		TR 306		ELEVATION
	STATION	OFFSET	STATION	OFFSET	
C1	771+02.65	25.00 LT	9+75.70	101.73 RT	620.30
C2	771+58.71	8.11 LT	9+91.95	45.27 RT	620.03
C3	771+57.64	5.84 RT	N/A	N/A	620.10
C4	771+24.80	13.00 RT	N/A	N/A	620.32
C5	772+83.94	13.00 LT	9+87.00	80.00 LT	620.33
C6	772+49.93	5.41 LT	9+94.59	45.99 LT	620.11
C7	772+48.93	8.51 RT	N/A	N/A	620.17
C8	773+03.94	25.00 RT	N/A	N/A	620.61
C9	772+03.94	24.93 LT	9+75.07	℄	620.43



FAP 322 CURVE #M3 DATA:
PI STA = 763+16.39
Δ = 23° 21' 26" (RT)
D = 1° 20' 00"
R = 4,297.18'
T = 888.23'
L = 1,751.79'
E = 90.84'
SE = 4.2%
PC STA = 754+28.16
PT STA = 771+79.95
SE ATTAINED STA 752+61 TO STA 754+91
(TR STA 752+61 TO STA 753+02)
SE REMOVED STA 771+17 TO STA 773+47
(TR STA 773+06 TO STA 773+47)

NOTES:

ALL STATIONS, OFFSETS, AND ELEVATIONS SHOWN ARE FOR FINAL PAVING.

SEE SHEET 73 FOR PLAN AND PROFILES.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GEOMETRIC DETAILS
TR 306
FAP 322 (US 51)
SECTION 11-12
CHRISTIAN COUNTY

SCALE: 1"=50' DRAWN BY SEB

DATE 8/22/06 CHECKED BY TLD

Mon-15-2018 12:27:48PM

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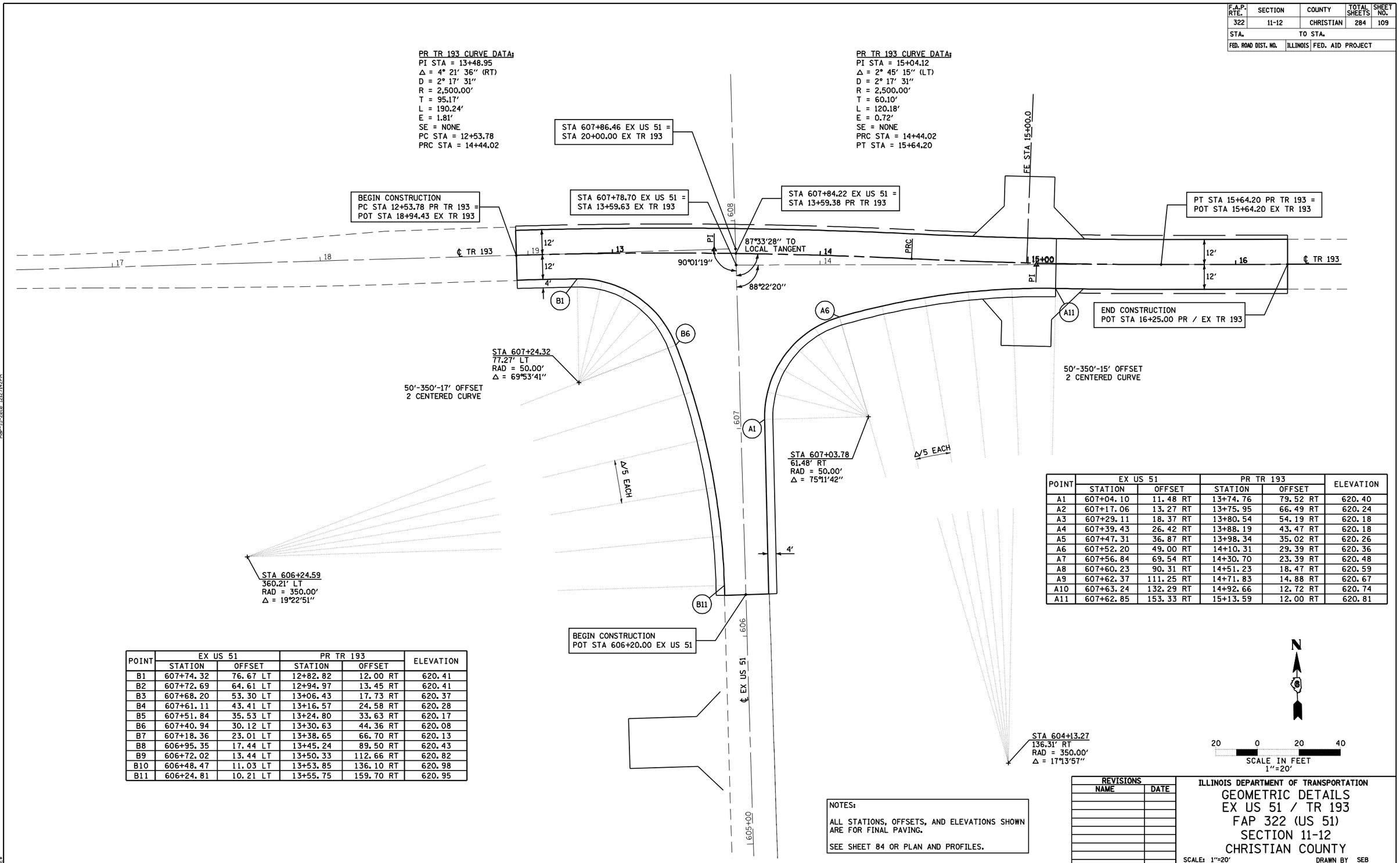
72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	109
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



POINT	EX US 51		PR TR 193		ELEVATION
	STATION	OFFSET	STATION	OFFSET	
A1	607+04.10	11.48 RT	13+74.76	79.52 RT	620.40
A2	607+17.06	13.27 RT	13+75.95	66.49 RT	620.24
A3	607+29.11	18.37 RT	13+80.54	54.19 RT	620.18
A4	607+39.43	26.42 RT	13+88.19	43.47 RT	620.18
A5	607+47.31	36.87 RT	13+98.34	35.02 RT	620.26
A6	607+52.20	49.00 RT	14+10.31	29.39 RT	620.36
A7	607+56.84	69.54 RT	14+30.70	23.39 RT	620.48
A8	607+60.23	90.31 RT	14+51.23	18.47 RT	620.59
A9	607+62.37	111.25 RT	14+71.83	14.88 RT	620.67
A10	607+63.24	132.29 RT	14+92.66	12.72 RT	620.74
A11	607+62.85	153.33 RT	15+13.59	12.00 RT	620.81

POINT	EX US 51		PR TR 193		ELEVATION
	STATION	OFFSET	STATION	OFFSET	
B1	607+74.32	76.67 LT	12+82.82	12.00 RT	620.41
B2	607+72.69	64.61 LT	12+94.97	13.45 RT	620.41
B3	607+68.20	53.30 LT	13+06.43	17.73 RT	620.37
B4	607+61.11	43.41 LT	13+16.57	24.58 RT	620.28
B5	607+51.84	35.53 LT	13+24.80	33.63 RT	620.17
B6	607+40.94	30.12 LT	13+30.63	44.36 RT	620.08
B7	607+18.36	23.01 LT	13+38.65	66.70 RT	620.13
B8	606+95.35	17.44 LT	13+45.24	89.50 RT	620.43
B9	606+72.02	13.44 LT	13+50.33	112.66 RT	620.82
B10	606+48.47	11.03 LT	13+53.85	136.10 RT	620.98
B11	606+24.81	10.21 LT	13+55.75	159.70 RT	620.95

NOTES:

ALL STATIONS, OFFSETS, AND ELEVATIONS SHOWN ARE FOR FINAL PAVING.

SEE SHEET 84 OR PLAN AND PROFILES.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GEOMETRIC DETAILS
EX US 51 / TR 193
FAP 322 (US 51)
SECTION 11-12
CHRISTIAN COUNTY

SCALE: 1″=20′ DRAWN BY SEB

DATE 8/22/06 CHECKED BY TLD

Mar-15-2010 12:27:42PM

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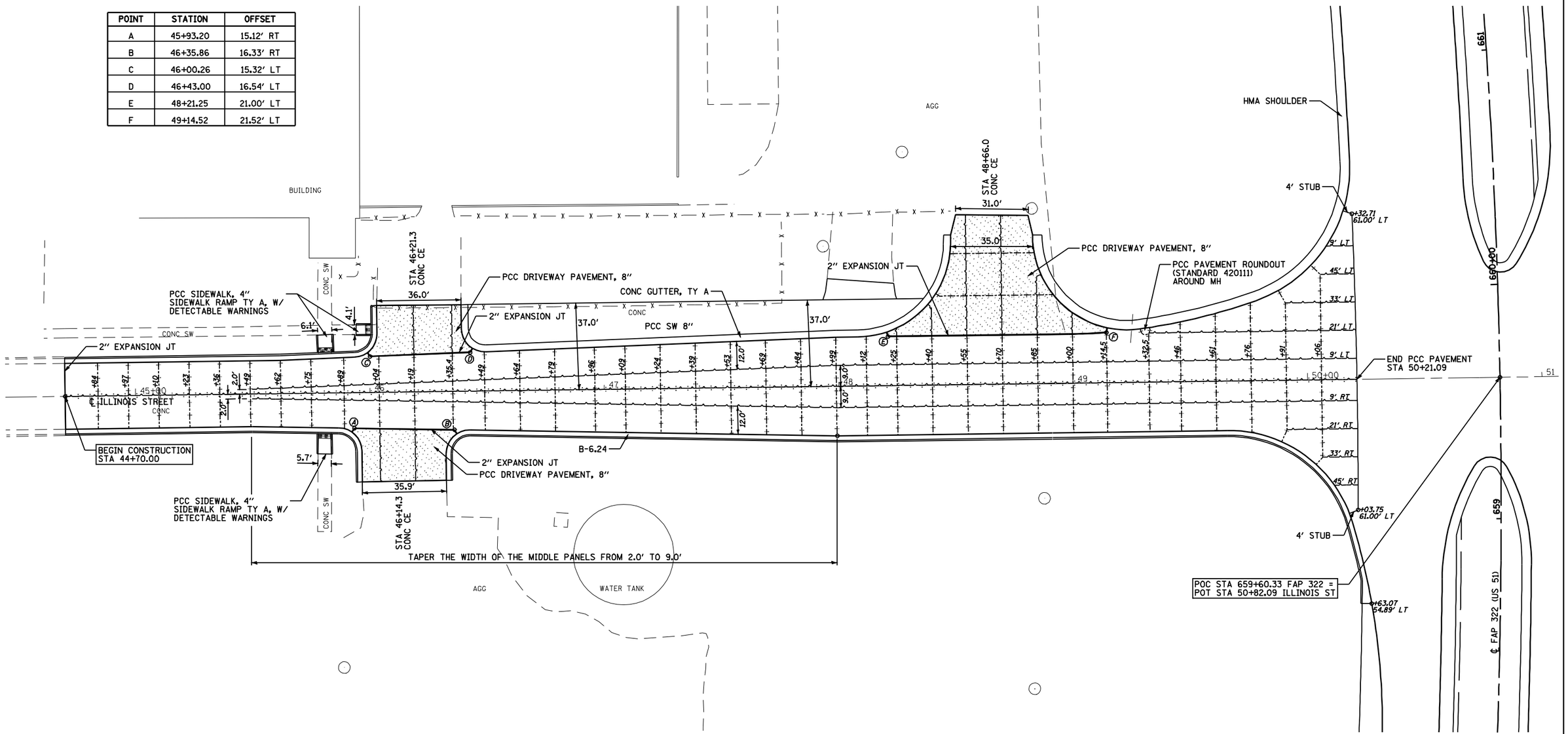
72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	110
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DRIVEWAY PAVEMENT STUBS - 2'

POINT	STATION	OFFSET
A	45+93.20	15.12' RT
B	46+35.86	16.33' RT
C	46+00.26	15.32' LT
D	46+43.00	16.54' LT
E	48+21.25	21.00' LT
F	49+14.52	21.52' LT



PAVEMENT JOINT LEGEND

- SAWED LONGITUDINAL JOINT (STD 420001)
- LONGITUDINAL CONSTRUCTION JOINT (STD 420001)
- SAWED CONTRACTION JOINT (STD 420001)
- PAVEMENT FABRIC (STD 420701)

N

20 0 20 40
SCALE IN FEET
1"=20'

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT JOINT DETAILS - ILLINOIS STREET FAP 322 (US 51) SECTION 11-12 CHRISTIAN COUNTY

SCALE: 1"=20' DRAWN BY SEB

DATE 8/22/06 CHECKED BY TLD

Mon-15-2018 12:27:45 PM

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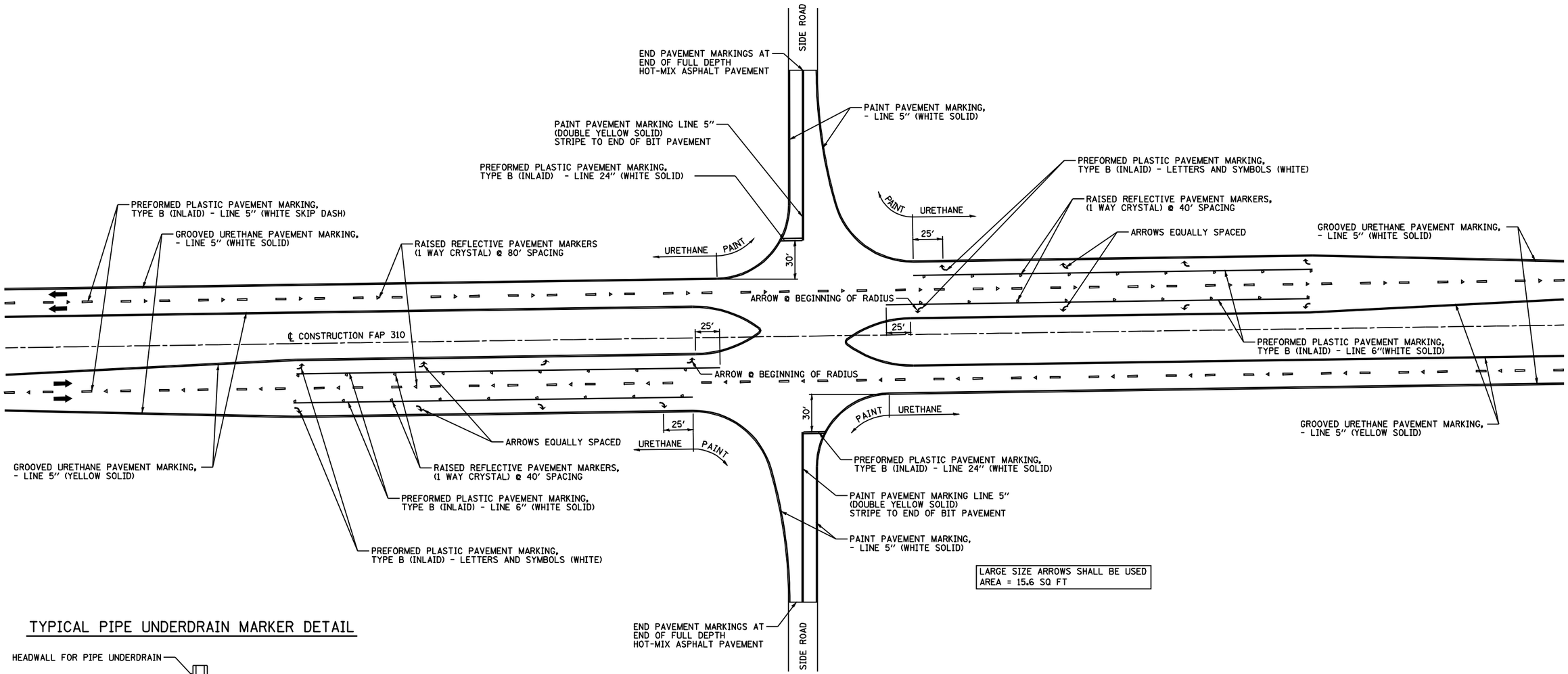
72932

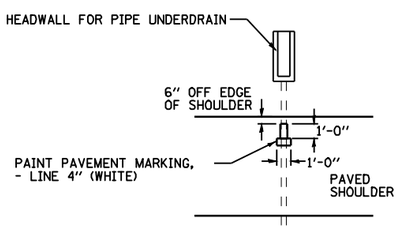
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	111
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TYPICAL FINAL INTERSECTION STRIPING DETAIL



LARGE SIZE ARROWS SHALL BE USED
AREA = 15.6 SQ FT

TYPICAL PIPE UNDERDRAIN MARKER DETAIL



OUTLET MARKERS SHALL BE PLACED ON FINAL SHOULDER

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING & STRIPING PLAN
TYPICAL STRIPING DETAILS
FAP 322 (US 51)
SECTION 11-12
CHRISTIAN COUNTY

SCALE: NONE DRAWN BY BGJ
DATE 8/22/06 CHECKED BY SEB

Mon-15-2018 12:27:47 PM
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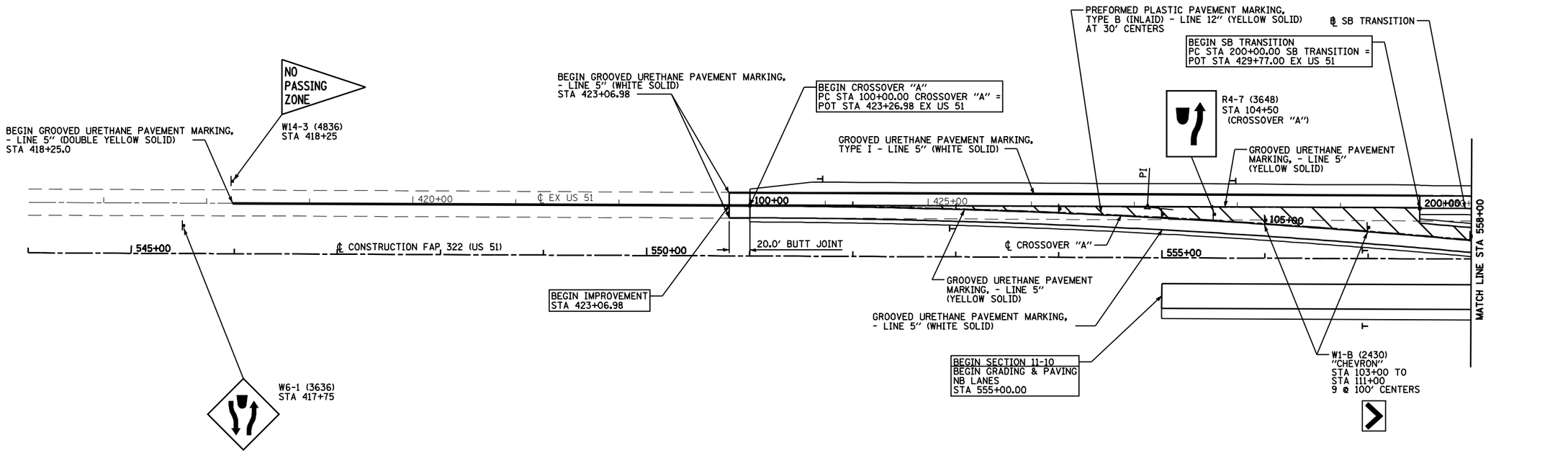
72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	112
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SB TRANSITION CURVE #1 DATA:
PI STA = 202+21.83
= 559+71.85 49.15' LT FAP 322
Δ = 1° 57' 19" (RT)
D = 0° 26' 27"
R = 13,000.00'
T = 221.83'
L = 443.61'
E = 1.89'
SE = NC
PC STA = 200+00.00
= 557+50.02 49.11' LT FAP 322
PRC STA = 204+43.61
= 561+93.55 41.61' LT FAP 322



CROSSOVER "A" CURVE #1 DATA:
PI STA = 103+85.86
= 554+85.86 49.07' LT FAP 322
Δ = 5° 31' 22" (RT)
D = 0° 42' 58"
R = 8,000.00'
T = 385.86'
L = 771.12'
E = 9.30'
SE = NC
PC STA = 100+00.00
= 551+00.00 49.01' LT FAP 322
PT STA = 107+71.12
= 558+69.93 12.00' LT FAP 322

100 50 0 100
GRAPHIC SCALE (IN FEET)

DELINEATOR SYMBOLS:
⊢ - SINGLE
⊩ - DOUBLE

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING & STRIPING PLAN STA 545+00 TO STA 558+00 FAP 322 (US 51) SECTION 11-12 CHRISTIAN COUNTY

SCALE: 1"=50' DRAWN BY BGJ
DATE 8/22/06 CHECKED BY SEB

Mon-15-2018 12:27:49 PM
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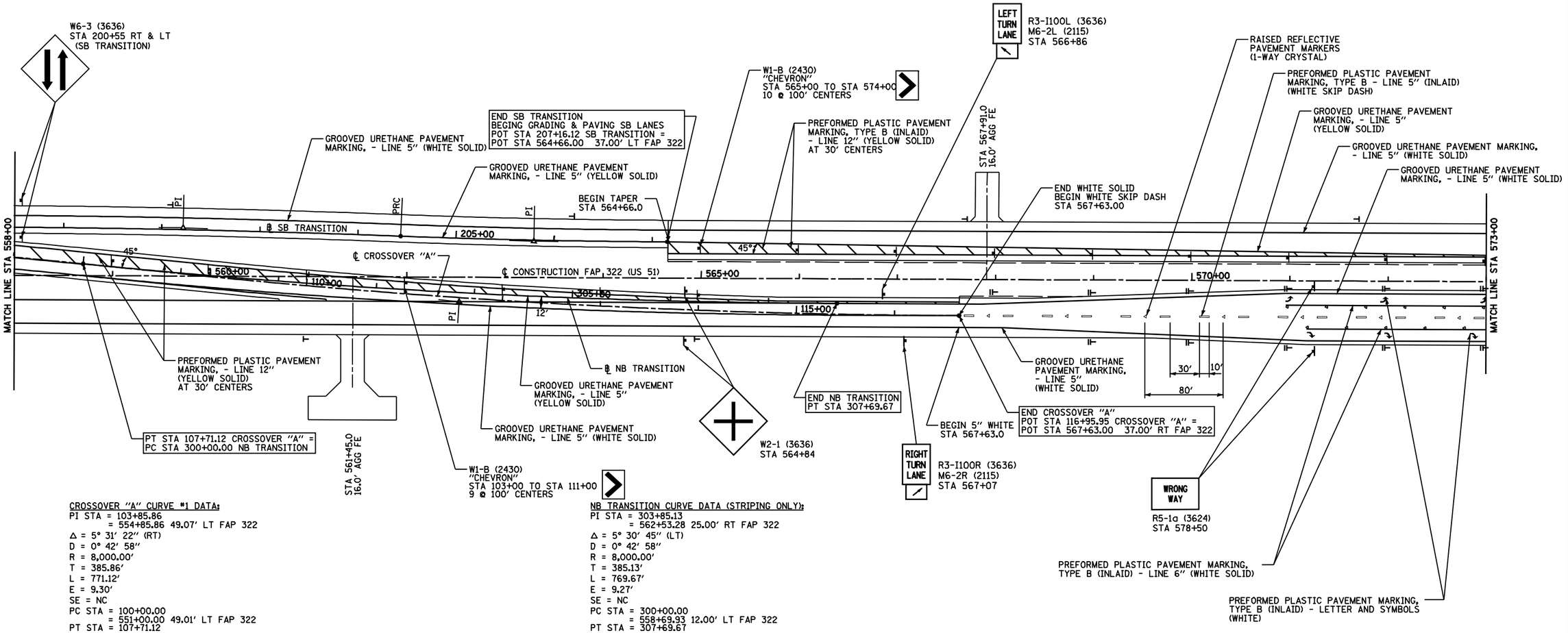
72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	113
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SB TRANSITION CURVE #1 DATA:
PI STA = 202+21.83
= 559+71.85 49.15' LT FAP 322
Δ = 1° 57' 19" (RT)
D = 0° 26' 27"
R = 13,000.00'
T = 221.83'
L = 443.61'
E = 1.89'
SE = NC
PC STA = 200+00.00
= 557+50.02 49.11' LT FAP 322
PRC STA = 204+43.61
= 561+93.55 41.61' LT FAP 322

SB TRANSITION CURVE #2 DATA:
PI STA = 205+79.49
= 563+29.34 37.00' LT FAP 322
Δ = 1° 56' 46" (LT)
D = 0° 42' 58"
R = 8,000.00'
T = 135.88'
L = 271.73'
E = 1.15'
SE = RC
PRC STA = 204+43.61
= 561+93.55 41.61' LT FAP 322
PT STA = 207+15.34
= 564+65.22 37.00' LT FAP 322



CROSSOVER "A" CURVE #1 DATA:
PI STA = 103+85.86
= 554+85.86 49.07' LT FAP 322
Δ = 5° 31' 22" (RT)
D = 0° 42' 58"
R = 8,000.00'
T = 385.86'
L = 771.12'
E = 9.30'
SE = NC
PC STA = 100+00.00
= 551+00.00 49.01' LT FAP 322
PT STA = 107+71.12
= 558+69.93 12.00' LT FAP 322

NB TRANSITION CURVE DATA (STRIPING ONLY):
PI STA = 303+85.13
= 562+53.28 25.00' RT FAP 322
Δ = 5° 30' 45" (LT)
D = 0° 42' 58"
R = 8,000.00'
T = 385.13'
L = 769.67'
E = 9.27'
SE = NC
PC STA = 300+00.00
= 558+69.93 12.00' LT FAP 322
PT STA = 307+69.67
= 566+38.42 25.00' RT FAP 322

CROSSOVER "A" CURVE #2 DATA (NOT STRIPED):
PI STA = 112+81.06
= 563+77.51 37.00' RT FAP 322
Δ = 5° 30' 49" (LT)
D = 0° 42' 58"
R = 8,000.00'
T = 385.22'
L = 769.84'
E = 9.27'
SE = NC
PC STA = 108+95.84
= 559+94.08 0.01' LT FAP 322
PT STA = 116+65.68
= 567+62.73 37.00' RT FAP 322

DELINEATOR SYMBOLS:
⊢ - SINGLE
⊪ - DOUBLE

100 50 0 100
GRAPHIC SCALE (IN FEET)

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING & STRIPING PLAN STA 558+00 TO STA 573+00 FAP 322 (US 51) SECTION 11-12 CHRISTIAN COUNTY

SCALE: 1"=50' DRAWN BY BGJ
DATE 8/22/06 CHECKED BY SEB

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72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	114
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PAINT PAVEMENT MARKING
LINE 5" (DOUBLE YELLOW SOLID)

PREFORMED PLASTIC PAVEMENT
MARKING, TYPE B (INLAID)
- LINE 24" (WHITE SOLID)

R6-1L (3612)
R6-1R (3612)
R1-1 (36)
R6-3 (2418)
STA 19+20

END TAPER
STA 573+85.6
26.0' LT

PAINT PAVEMENT MARKING
LINE 5" (WHITE SOLID)

POT STA 574+83.99 ℄ PR FAP 322 =
POT STA 20+00.00 TR 229A

R5-1 (3636)
STA 575+75

PREFORMED PLASTIC PAVEMENT MARKING,
TYPE B (INLAID) - LINE 6" (WHITE SOLID)

WRONG WAY
R5-1a (3624)
STA 578+50

SPEED LIMIT 55
R2-1 (4860)
STA 580+66
WITH FLAG

RIGHT TURN LANE
R3-I100R (3636)
M6-2R (2115)
STA 582+46

LEFT TURN LANE
R3-I100L (3636)
M6-2L (2115)
STA 582+95

W2-1 (3636)
STA 584+84

GROOVED URETHANE PAVEMENT MARKING,
TYPE I - LINE 5"
(WHITE SOLID)

GROOVED URETHANE PAVEMENT
MARKING, TYPE I - LINE 5"
(YELLOW SOLID)

RAISED REFLECTIVE
PAVEMENT MARKERS
(1-WAY CRYSTAL)

MATCH LINE STA 573+00

℄ EX US 51

450+00

455+00

460+

575+00

580+00

℄ CONSTRUCTION FAP 322 (US 51)

585+00

MATCH LINE STA 588+00

20+00

℄ TR 229A

PREFORMED PLASTIC PAVEMENT
MARKING, TYPE B (INLAID)
- LETTER AND SYMBOLS (WHITE)

SPEED LIMIT 65
R2-1 (4860)
STA 577+75

30'
10'
80'

PREFORMED PLASTIC PAVEMENT
MARKING, TYPE B - LINE 5" (INLAID)
(WHITE SKIP DASH)

DO NOT ENTER
R5-1 (3636)
STA 574+00

ONE WAY
YIELD
R6-1L (3612)
R1-2 (36)
STA 574+30
STA 575+35

PAINT PAVEMENT MARKING
LINE 5" (WHITE SOLID)

PAINT PAVEMENT MARKING
LINE 5" (DOUBLE YELLOW SOLID)

ONE WAY
ONE WAY
STOP
DIVIDED HIGHWAY
R6-1L (3612)
R6-1R (3612)
R1-1 (36)
R6-3 (2418)
STA 20+80

PREFORMED PLASTIC PAVEMENT MARKING,
TYPE B (INLAID) - LINE 24" (WHITE SOLID)

**TYPICAL SIDE ROAD
STOP SIGN INSTALLATION**

ONE WAY — R6-1L (3612) "ONE WAY LT"
BACK TO BACK
ONE WAY — R6-1R (3612) "ONE WAY RT"

STOP — R1-1 (3636) "STOP"
R6-3a (2418) "DIVIDED HIGHWAY"

INSTALLED ON 2 TELESCOPING
STEEL POSTS.

DELINEATOR SYMBOLS:

⊢ - SINGLE

⊩ - DOUBLE

N

100 50 0 100
GRAPHIC SCALE (IN FEET)

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING & STRIPING PLAN
STA 573+00 TO STA 588+00
FAP 322 (US 51)
SECTION 11-12
CHRISTIAN COUNTY

SCALE: 1"=50' DRAWN BY BGJ

DATE 8/22/06 CHECKED BY SEB

Mon-15-2018 12:27:54 PM

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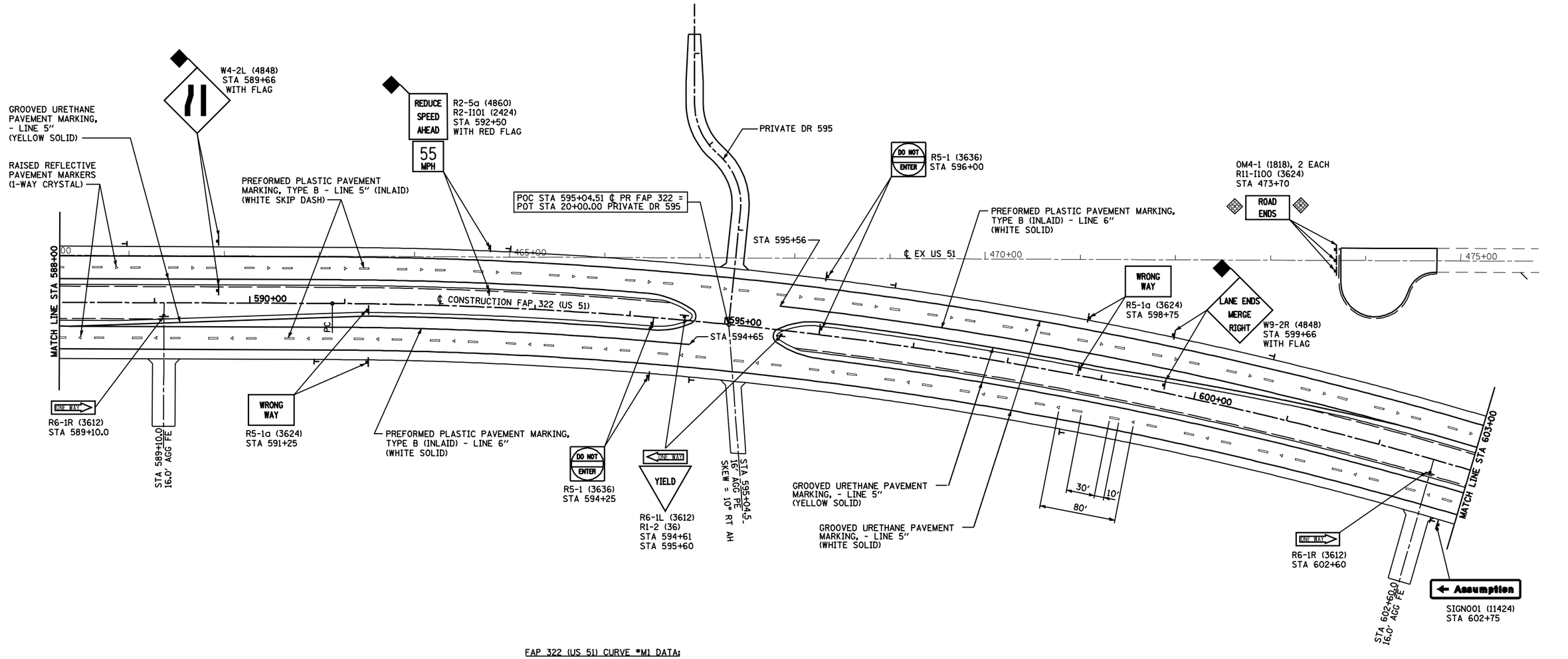
72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	115
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



FAP 322 (US 51) CURVE *M1 DATA:
PI STA = 600+54.42
Δ = 25° 22' 36" (RT)
D = 1° 20' 00"
R = 4,297.18'
T = 967.49'
L = 1,903.25'
E = 107.57'
SE = 4.2%
PC STA = 590+86.93
PT STA = 609+90.18
SE ATTAINED STA 589+20 TO STA 591+50
(TR STA 589+20 TO STA 589+61)
SE REMOVED STA 609+27 TO STA 611+57
(TR STA 611+16 TO STA 611+57)

DELINEATOR SYMBOLS:
⊢ - SINGLE
⊩ - DOUBLE

GRAPHIC SCALE 100 50 0 100 (IN FEET)

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SIGNING & STRIPING PLAN
STA 588+00 TO STA 603+00
FAP 322 (US 51)
SECTION 11-12
CHRISTIAN COUNTY
SCALE: 1"=50' DRAWN BY BGJ
DATE 8/22/06 CHECKED BY SEB

Mon-15-2018 12:27:56PM
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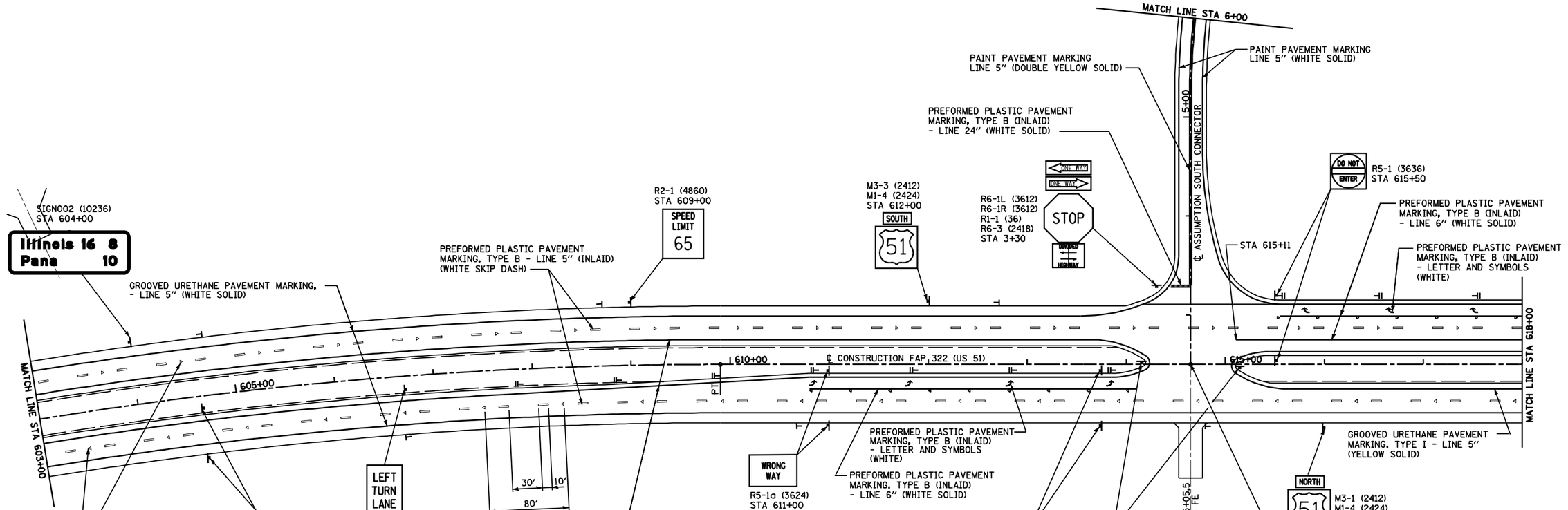
72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	116
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



FAP 322 (US 51) CURVE *M1 DATA:
PI STA = 600+54.42
Δ = 25° 22' 36" (RT)
D = 1° 20' 00"
R = 4,297.18'
T = 967.49'
L = 1,903.25'
E = 107.57'
SE = 4.2%
PC STA = 590+86.93
PT STA = 609+90.18
SE ATTAINED STA 589+20 TO STA 591+50
(TR STA 589+20 TO STA 589+61)
SE REMOVED STA 609+27 TO STA 611+57
(TR STA 611+16 TO STA 611+57)

TYPICAL SIDE ROAD STOP SIGN INSTALLATION

R6-1L (3612) "ONE WAY LT" BACK TO BACK
R6-1R (3612) "ONE WAY RT"
R1-1 (3636) "STOP"
R6-3a (2418) "DIVIDED HIGHWAY"
INSTALLED ON 2 TELESCOPING STEEL POSTS.

DELINEATOR SYMBOLS:
⊢ - SINGLE
⊩ - DOUBLE

100 50 0 100
GRAPHIC SCALE (IN FEET)

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING & STRIPING PLAN STA 603+00 TO STA 618+00 FAP 322 (US 51) SECTION 11-12 CHRISTIAN COUNTY

SCALE: 1"=50' DRAWN BY BGJ
DATE 8/22/06 CHECKED BY SEB

Mon-15-2018 12:27:58PM
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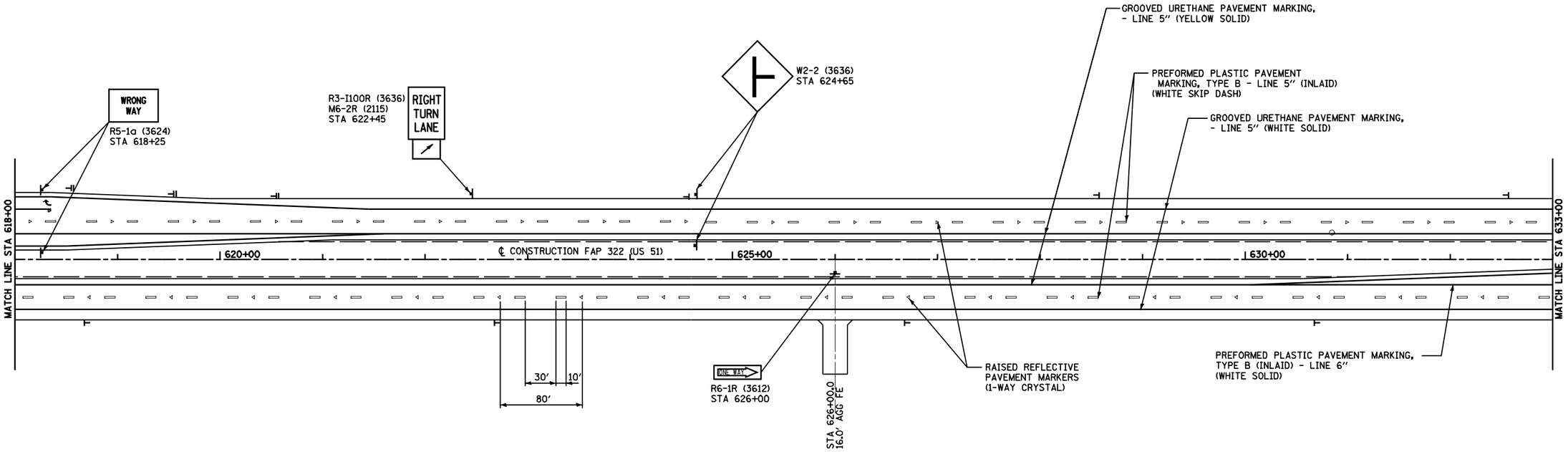
72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	117
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



100 50 0 100
GRAPHIC SCALE (IN FEET)

DELINEATOR SYMBOLS:

⊢ - SINGLE

⊩ - DOUBLE

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING & STRIPING PLAN STA 618+00 TO STA 633+00 FAP 322 (US 51) SECTION 11-12 CHRISTIAN COUNTY

SCALE: 1"=50' DRAWN BY BGJ

DATE 8/22/06 CHECKED BY SEB

May-15-2018 12:28:08PM

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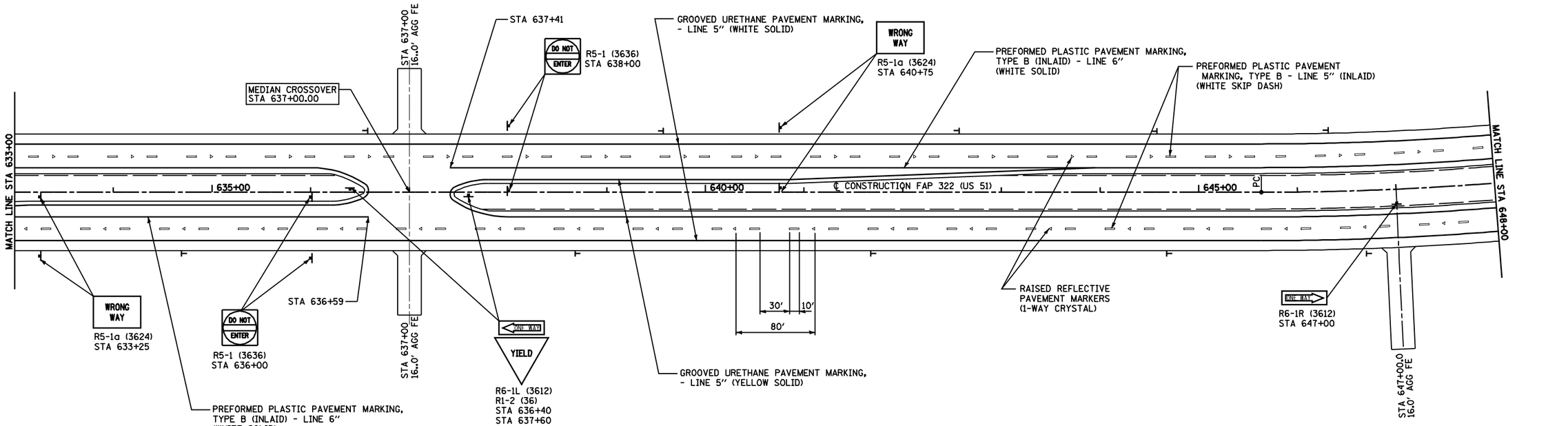
72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	118
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FAP 322 (US 51) CURVE *M2 DATA:
PI STA = 655+98.31
Δ = 38° 03′ 53″ (LT)
D = 1° 54′ 35″
R = 3,000.00′
T = 1,034.88′
L = 1,993.07′
E = 173.48′
SE = 5.3%
PC STA = 645+63.43
PT STA = 665+56.50
SE ATTAINED STA 644+65 TO STA 647+43
(TR STA 644+65 TO STA 645+04)
SE REMOVED STA 664+77 TO STA 667+55
(TR STA 667+16 TO STA 667+55)



N

100 50 0 100
GRAPHIC SCALE (IN FEET)

DELINEATOR SYMBOLS:
⊢ - SINGLE
⊩ - DOUBLE

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SIGNING & STRIPING PLAN
STA 633+00 TO STA 648+00
FAP 322 (US 51)
SECTION 11-12
CHRISTIAN COUNTY
SCALE: 1"=50' DRAWN BY BGJ
DATE 8/22/06 CHECKED BY SEB

Mon-15-2010 12:28:02 PM
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72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	119
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FAP 322 (US 51) CURVE #M2 DATA:
PI STA = 655+98.31
△ = 38° 03′ 53″ (LT)
D = 1° 54′ 35″
R = 3,000.00′
T = 1,034.88′
L = 1,993.07′
E = 173.48′
SE = 5.3%
PC STA = 645+63.43
PT STA = 665+56.50
SE ATTAINED STA 644+65 TO STA 647+43
(TR STA 644+65 TO STA 645+04)
SE REMOVED STA 664+77 TO STA 667+55
(TR STA 667+16 TO STA 667+55)

MATCH LINE STA 648+00

GROOVED URETHANE PAVEMENT MARKING, - LINE 5″ (WHITE SOLID)

GROOVED URETHANE PAVEMENT MARKING, - LINE 5″ (YELLOW SOLID)

RAISED REFLECTIVE PAVEMENT MARKERS (1-WAY CRYSTAL)

W2-1 (3636) & W16-8 (3615) STA 649+60
ILLINOIS ST.

30′ 10′ 80′

LEFT TURN LANE
R3-I100L (3636)
M6-2L (2115)
STA 651+60

RIGHT TURN LANE
R3-I100R (3636)
M6-2R (2115)
STA 651+90

PREFORMED PLASTIC PAVEMENT MARKING, TYPE B (INLAID) - LINE 6″ (WHITE SKIP DASH 2′ - 6′)

PREFORMED PLASTIC PAVEMENT MARKING, TYPE B (INLAID) - LETTER AND SYMBOLS (WHITE)

PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 5″ (INLAID) (WHITE SKIP DASH)

WRONG WAY
R5-1a (3624)
STA 656+00

M3-3 (2412)
M1-4 (2424)
STA 657+00
SOUTH 51

1650+00

℄ CONSTRUCTION FAP 322 (US 51)

1655+00

R6-1L (3612)
R6-1R (3612)
R1-1 (36)
R6-3 (2418)
STA 50+08

STOP
DIVIDED HIGHWAY

URETHANE PAVEMENT MARKING - LINE 24″ (WHITE SOLID)

PREFORMED PLASTIC PAVEMENT MARKING, TYPE B (INLAID) - LINE 6″ (WHITE SOLID)

DO NOT ENTER
R5-1 (3636)
STA 658+75

R6-1L (3612)
R1-2 (36)
STA 659+18
STA 660+14
YIELD

STA 51+52.8
7.0′ RAD

PAINT PAVEMENT MARKINGI LINE 5″ (YELLOW SOLID)

PAINT PAVEMENT MARKINGI LINE 5″ (WHITE SOLID)

STA 54+53.1
45′ BIT CE

PAINT PAVEMENT MARKINGI LINE 5″ (DOUBLE YELLOW SOLID)

℄ ILLINOIS ST 45+00

URETHANE PAVEMENT MARKING LINE 5″ (YELLOW SKIP DASH)

STA 46+24.39
2′ RAD

STA 46+14.3
35.9′ CONC CE

STA 46+21.3
36.0′ CONC CE

W3-1a (3030)
STA 46+58

14′ 14′

STA 47+99.4
7.0′ RT

URETHANE PAVEMENT MARKING LINE 5″ (YELLOW SOLID)

STA 47+99.4
7.0′ LT

URETHANE PAVEMENT MARKING LINE 12″ (YELLOW SOLID) AT 20′ CENTERS

STA 48+91
7.0′ LT

STA 48+66.0
35′ CONC CE

URETHANE PAVEMENT MARKING - LETTER AND SYMBOLS (WHITE)

49+07.4
49+08.4

URETHANE PAVEMENT MARKING - LINE 5″ (DOUBLE YELLOW SOLID)

14′ 12′

URETHANE PAVEMENT MARKING - LINE 6″ (WHITE SOLID)

DO NOT ENTER
R5-1 (3636)
STA 660+50

49+83.4

50+08.4

50+00

END EDGE LINES AT CONC PAVEMENT

660+00

PREFOREMED PLASTIC PAVEMENT MARKING, TYPE B (INLAID) - LINE 6″ (WHITE SOLID)

PREFORMED PLASTIC PAVEMENT MARKING, TYPE B (INLAID) - LETTERS AND SYMBOLS (WHITE)

MATCH LINE STA 663+00

NORTH 51
M3-1 (2412)
M1-4 (2424)
STA 662+00

POC STA 659+60.33 ℄ PR FAP 322 = POT STA 50+82.09 ILLINOIS ST/TR 209

51+53.8

ONE WAY
ONE WAY
STOP
DIVIDED HIGHWAY
R6-1L (3612)
R6-1R (3612)
R1-1 (36)
R6-3 (2418)
STA 51+54

PREFORMED PLASTIC PAVEMENT MARKING, TYPE B (INLAID) - LINE 24″ (WHITE SOLID)

PAINT PAVEMENT MARKING LINE 12″ (YELLOW SOLID) AT 20′ CENTERS

2′ 2′

53+97.8

℄ TR 209

55+00

100 50 0 100
GRAPHIC SCALE (IN FEET)

TYPICAL SIDE ROAD STOP SIGN INSTALLATION

- ONE WAY — R6-1L (3612) "ONE WAY LT" BACK TO BACK
- ONE WAY — R6-1R (3612) "ONE WAY RT"
- STOP — R1-1 (3636) "STOP"
- R6-3a (2418) "DIVIDED HIGHWAY"
- INSTALLED ON 2 TELESCOPING STEEL POSTS.

DELINEATOR SYMBOLS:
⊢ - SINGLE
⊩ - DOUBLE

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING & STRIPING PLAN STA 648+00 TO STA 663+00 FAP 322 (US 51) SECTION 11-12 CHRISTIAN COUNTY

SCALE: 1″=50′ DRAWN BY BGJ
DATE 8/22/06 CHECKED BY SEB

Mon-15-2018 12:28:04 PM
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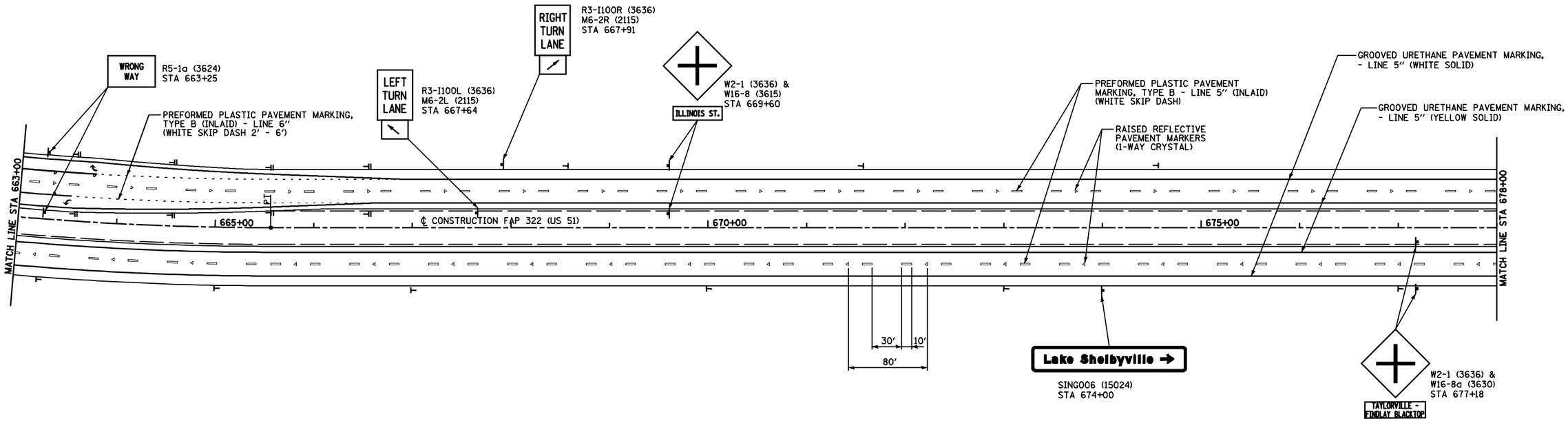
72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	120
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FAP 322 (US 51) CURVE *M2 DATA:
PI STA = 655+98.31
Δ = 38° 03′ 53″ (LT)
D = 1° 54′ 35″
R = 3,000.00′
T = 1,034.88′
L = 1,993.07′
E = 173.48′
SE = 5.3%
PC STA = 645+63.43
PT STA = 665+56.50
SE ATTAINED STA 644+65 TO STA 647+43
(TR STA 644+65 TO STA 645+04)
SE REMOVED STA 664+77 TO STA 667+55
(TR STA 667+16 TO STA 667+55)



100 50 0 100
GRAPHIC SCALE (IN FEET)

DELINEATOR SYMBOLS:
⊢ - SINGLE
⊩ - DOUBLE

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING & STRIPING PLAN STA 663+00 TO STA 678+00 FAP 322 (US 51) SECTION 11-12 CHRISTIAN COUNTY

SCALE: 1″=50′ DRAWN BY BGJ
DATE 8/22/06 CHECKED BY SEB

Mon-15-2018 12:28:07 PM
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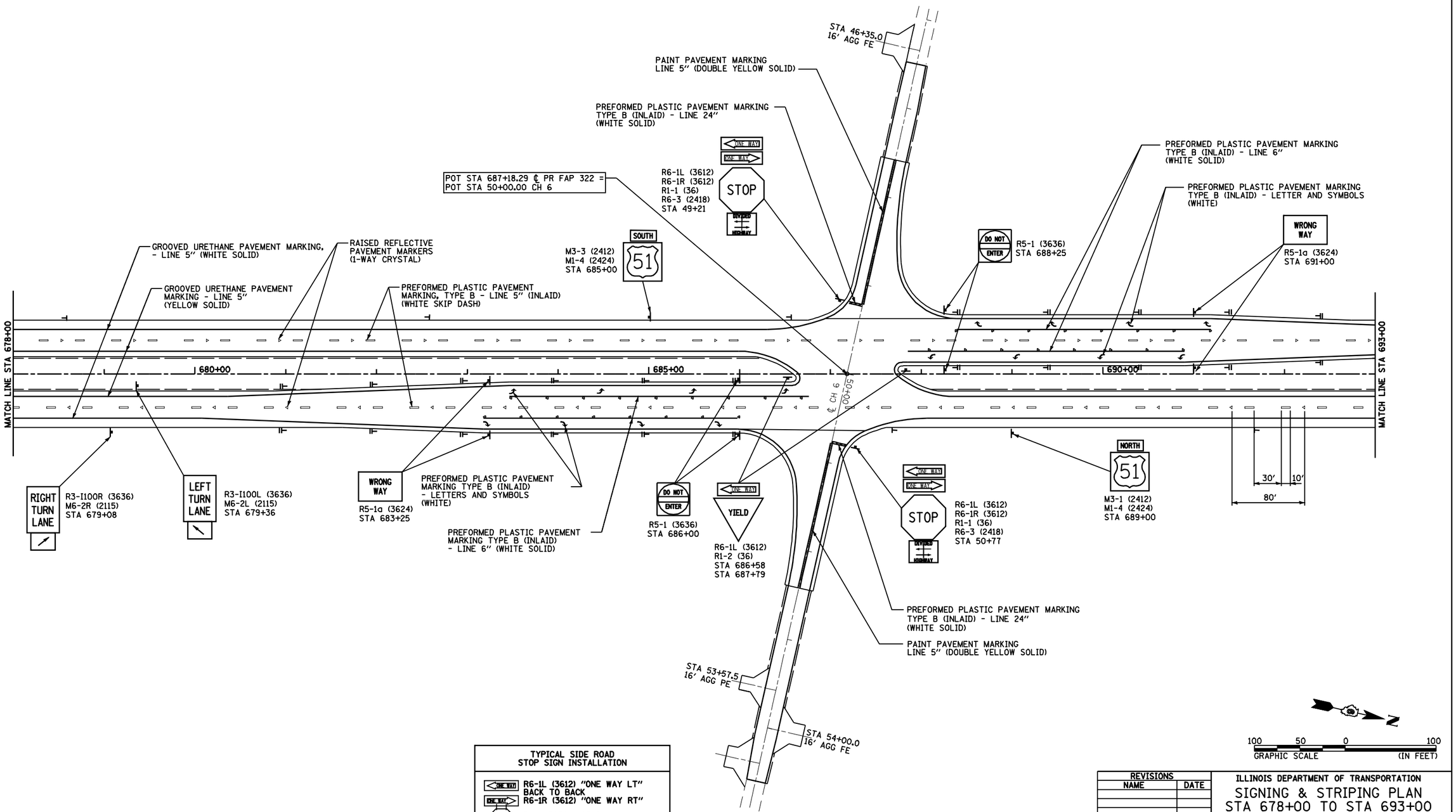
72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	121
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



TYPICAL SIDE ROAD STOP SIGN INSTALLATION

ONE WAY — R6-1L (3612) "ONE WAY LT" BACK TO BACK
ONE WAY — R6-1R (3612) "ONE WAY RT"
STOP — R1-1 (3636) "STOP"
DIVIDED HIGHWAY — R6-3a (2418) "DIVIDED HIGHWAY"
INSTALLED ON 2 TELESCOPING STEEL POSTS.

DELINEATOR SYMBOLS:
⊢ - SINGLE
⊩ - DOUBLE

N

100 50 0 100
GRAPHIC SCALE (IN FEET)

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING & STRIPING PLAN STA 678+00 TO STA 693+00 FAP 322 (US 51) SECTION 11-12 CHRISTIAN COUNTY

SCALE: 1"=50' DRAWN BY BGJ
DATE 8/22/06 CHECKED BY SEB

May-15-2018 12:28:49PM
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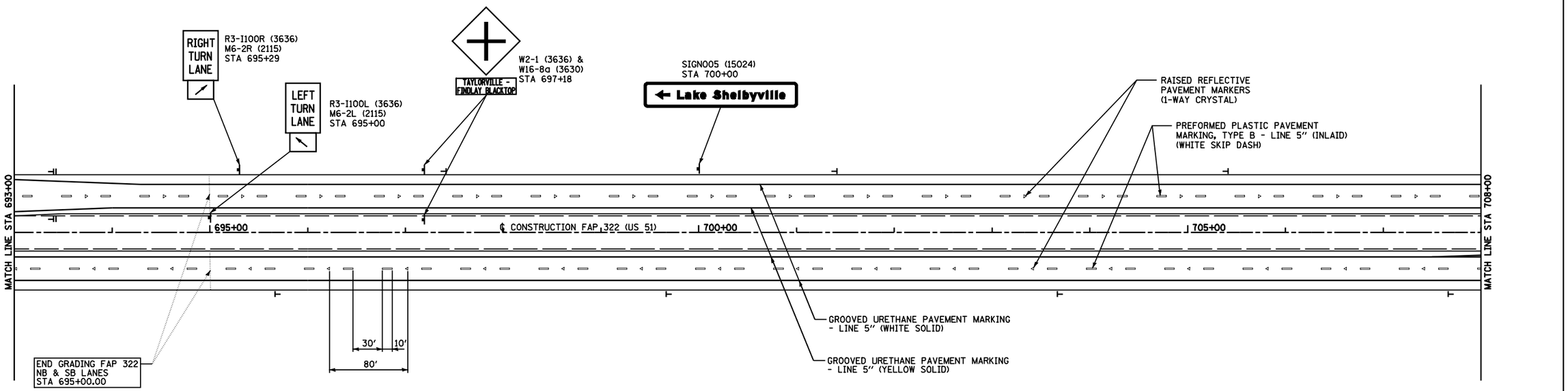
72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	122
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



100 50 0 100
GRAPHIC SCALE (IN FEET)

DELINEATOR SYMBOLS:

⊢ - SINGLE

⊩ - DOUBLE

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING & STRIPING PLAN STA 693+00 TO STA 708+00 FAP 322 (US 51) SECTION 11-12 CHRISTIAN COUNTY

SCALE: 1"=50' DRAWN BY BGJ

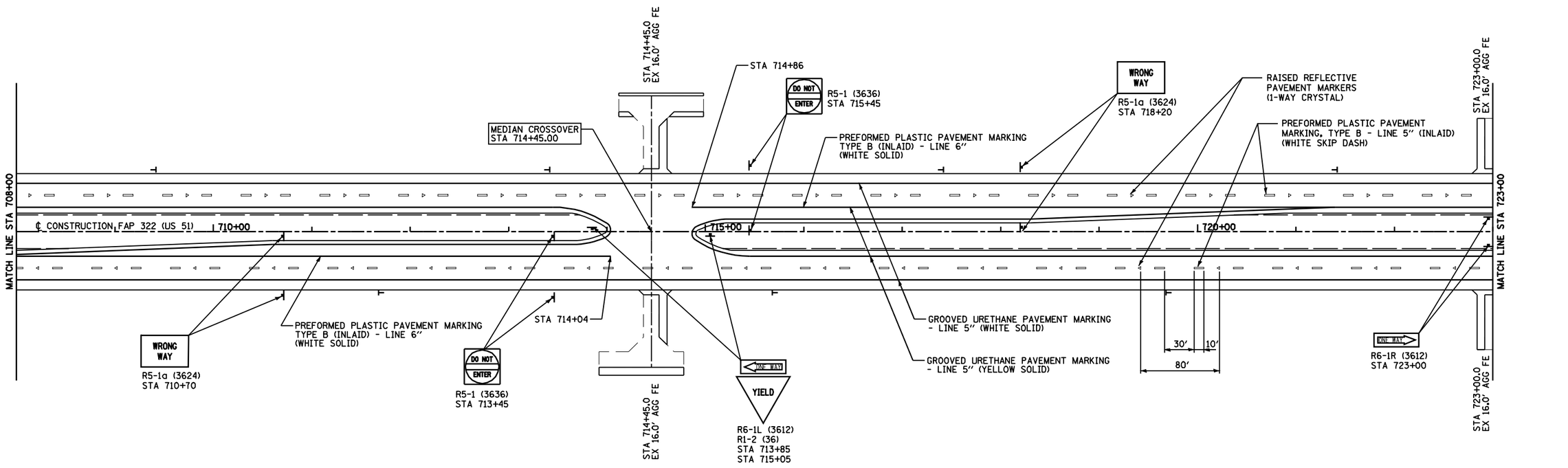
DATE 8/22/06 CHECKED BY SEB

Mon-15-2018 12:28:11PM

#FILE#

72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	123
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



100 50 0 100
GRAPHIC SCALE (IN FEET)

DELINEATOR SYMBOLS:
⊢ - SINGLE
⊩ - DOUBLE

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

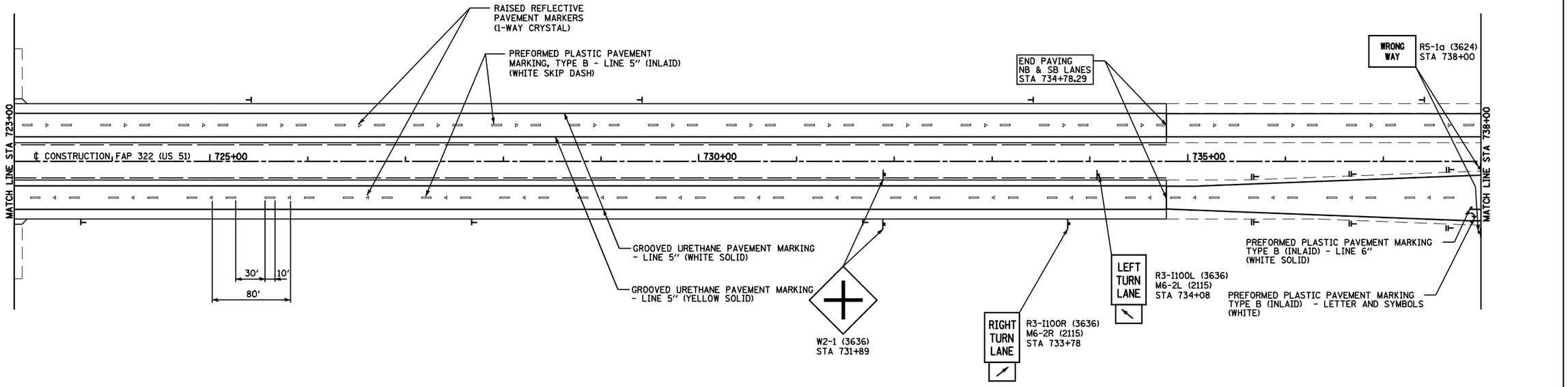
SIGNING & STRIPING PLAN
STA 708+00 TO STA 723+00
FAP 322 (US 51)
SECTION 11-12
CHRISTIAN COUNTY

SCALE: 1"=50' DRAWN BY BGJ
DATE 8/22/06 CHECKED BY SEB

Mon-15-2010 12:28:13PM
#FILE#

72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	124
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



N

100 50 0 100
GRAPHIC SCALE (IN FEET)

DELINEATOR SYMBOLS:
⊢ - SINGLE
⊩ - DOUBLE

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING & STRIPING PLAN STA 723+00 TO STA 738+00 FAP 322 (US 51) SECTION 11-12 CHRISTIAN COUNTY

SCALE: 1"=50' DRAWN BY BGJ
DATE 8/22/06 CHECKED BY SEB

72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	125
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PAINT PAVEMENT MARKING
LINE 5" (WHITE SOLID)

PREFORMED PLASTIC PAVEMENT MARKING
TYPE B (INLAID) - LINE 24"
(WHITE SOLID)

℄ TR 193

PAINT PAVEMENT MARKING
LINE 5" (DOUBLE YELLOW SOLID)

R6-1L (3612)
R6-1R (3612)
R1-1 (36)
R6-3 (2418)
STA 19+18

DO NOT ENTER
R5-1 (3636)
STA 743+00

PREFORMED PLASTIC PAVEMENT MARKING
TYPE B (INLAID) - LINE 6"
(WHITE SOLID)

WRONG WAY
R5-1a (3624)
STA 745+75

PREFORMED PLASTIC PAVEMENT
MARKING TYPE B (INLAID)
- LETTERS AND SYMBOLS
(WHITE)

LEFT TURN LANE
R3-I100L (3636)
M6-2L (2115)
STA 749+71

RIGHT TURN LANE
R3-I100R (3636)
M6-2R (2115)
STA 750+00

W2-1 (3636)
STA 751+89

SOUTH 51
M3-3 (2412)
M1-4 (2424)
STA 739+50

REMOVE EXISTING PAINT
PAVEMENT MARKING
(EDGE LINES & SKIP DASH)

BEGIN PAVING
NB & SB LANES
POT STA 749+00.36

MATCH LINE STA 738+00

℄ CONSTRUCTION FAP 322 (US 51) 740+00

745+00

750+00

MATCH LINE STA 753+00

POT STA 741+89.32 FAP 322 =
POT STA 20+00.00 TR 193

NORTH 51
M3-1 (2412)
M1-4 (2424)
STA 744+00

30'
10'
80'

RAISED REFLECTIVE
PAVEMENT MARKERS
(1-WAY CRYSTAL)

PREFORMED PLASTIC PAVEMENT
MARKING, TYPE B - LINE 5" (INLAID)
(WHITE SKIP DASH)

Moweaqua 6
Decatur 22
SIGN004 (10836)
STA 753+00

SPEED LIMIT 65
R2-1 (4860)
STA 747+00

GROOVED URETHANE PAVEMENT MARKING
- LINE 5" (WHITE SOLID)

GROOVED URETHANE PAVEMENT MARKING
- LINE 5" (YELLOW SOLID)

PREFORMED PLASTIC PAVEMENT
MARKING TYPE B (INLAID)
- LETTER AND SYMBOLS
(WHITE)

PREFORMED PLASTIC PAVEMENT
MARKING TYPE B (INLAID)
- LINE 6" (WHITE SOLID)

DO NOT ENTER
R5-1 (3636)
STA 740+75

YIELD
R6-1L (3612)
R1-2 (36)
STA 741+29
STA 742+50

R6-1L (3612)
R6-1R (3612)
R1-1 (36)
R6-3 (2418)
STA 20+80

PREFORMED PLASTIC PAVEMENT MARKING
TYPE B (INLAID) - LINE 24"
(WHITE SOLID)

PAINT PAVEMENT MARKING
LINE 5" (DOUBLE YELLOW SOLID)

PAINT PAVEMENT MARKING
LINE 5" (WHITE SOLID)

DELINEATOR SYMBOLS:
- SINGLE
- DOUBLE

TYPICAL SIDE ROAD STOP SIGN INSTALLATION

R6-1L (3612) "ONE WAY LT" BACK TO BACK
R6-1R (3612) "ONE WAY RT"

R1-1 (3636) "STOP"
R6-3a (2418) "DIVIDED HIGHWAY"

INSTALLED ON 2 TELESCOPING STEEL POSTS.

100 50 0 100
GRAPHIC SCALE (IN FEET)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING & STRIPING PLAN
STA 738+00 TO STA 753+00
FAP 322 (US 51)
SECTION 11-12
CHRISTIAN COUNTY

SCALE: 1"=50'
DRAWN BY BGJ
DATE 8/22/06
CHECKED BY SEB

Mon-15-2018 12:28:17 PM
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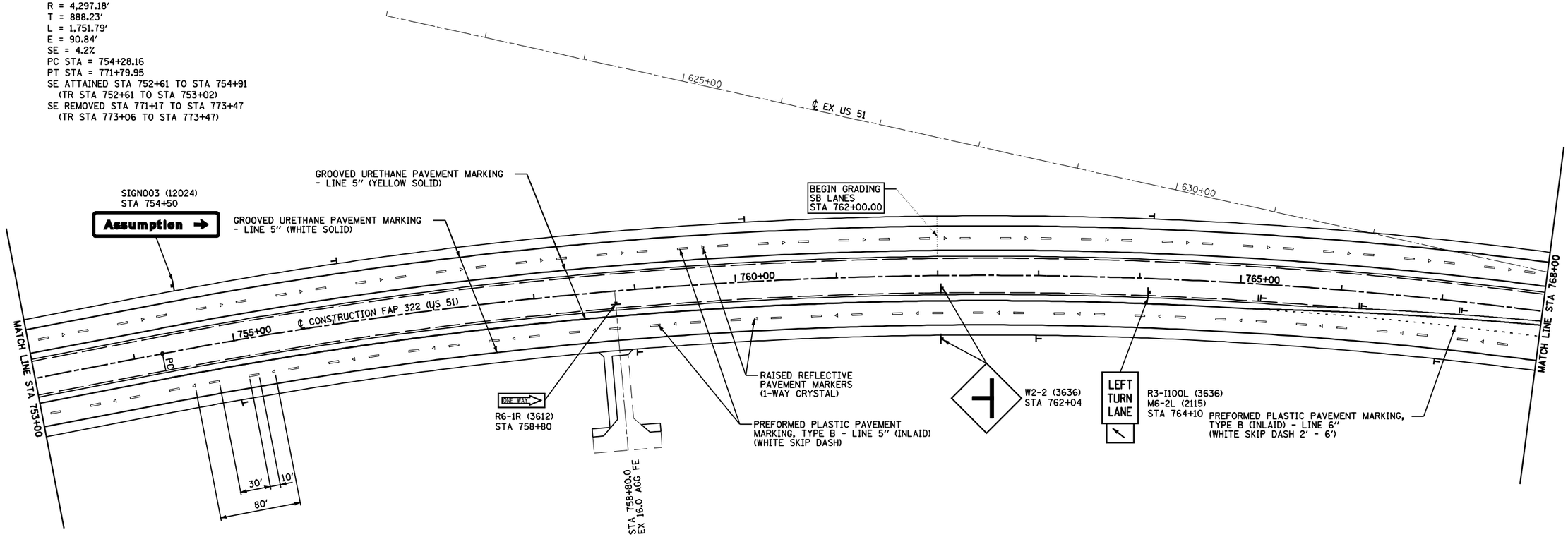
72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	126
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FAP 322 CURVE *M3 DATA:
PI STA = 763+16.39
Δ = 23° 21′ 26″ (RT)
D = 1° 20′ 00″
R = 4,297.18′
T = 888.23′
L = 1,751.79′
E = 90.84′
SE = 4.2%
PC STA = 754+28.16
PT STA = 771+79.95
SE ATTAINED STA 752+61 TO STA 754+91
(TR STA 752+61 TO STA 753+02)
SE REMOVED STA 771+17 TO STA 773+47
(TR STA 773+06 TO STA 773+47)



DELINEATOR SYMBOLS:
⊢ - SINGLE
⊪ - DOUBLE

N

100 50 0 100
GRAPHIC SCALE (IN FEET)

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SIGNING & STRIPING PLAN
STA 753+00 TO STA 768+00
FAP 322 (US 51)
SECTION 11-12
CHRISTIAN COUNTY
SCALE: 1″=50′ DRAWN BY BGJ
DATE 8/22/06 CHECKED BY SEB

Mon-15-2018 12:28:28PM
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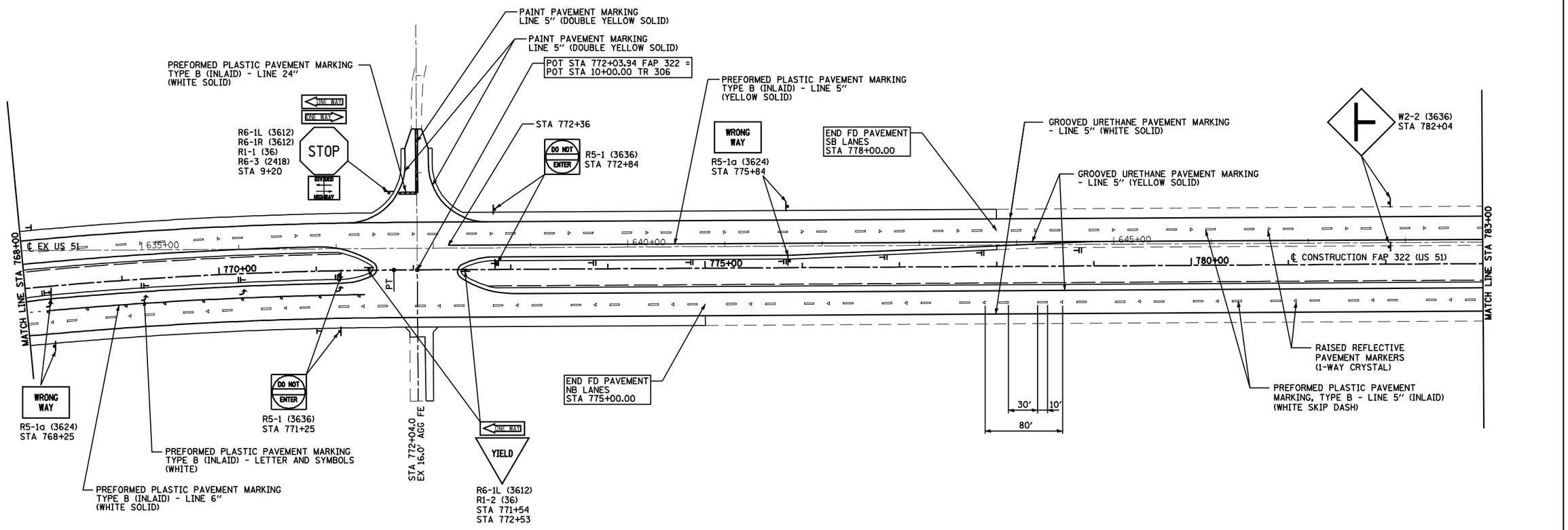
72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	127
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



FAP 322 CURVE *M3 DATA:
PI STA = 763+16.39
Δ = 23° 21' 26" (RT)
D = 1° 20' 00"
R = 4,297.18'
T = 888.23'
L = 1,751.79'
E = 90.84'
SE = 4.2%
PC STA = 754+28.16
PT STA = 771+79.95
SE ATTAINED STA 752+61 TO STA 754+91
(TR STA 752+61 TO STA 753+02)
SE REMOVED STA 771+17 TO STA 773+47
(TR STA 773+06 TO STA 773+47)

DELINEATOR SYMBOLS:
⊢ - SINGLE
⊩ - DOUBLE

TYPICAL SIDE ROAD
STOP SIGN INSTALLATION

ONE WAY / ONE WAY — R6-1L (3612) "ONE WAY LT" BACK TO BACK
R6-1R (3612) "ONE WAY RT"

STOP — R1-1 (3636) "STOP"
R6-3a (2418) "DIVIDED HIGHWAY"

INSTALLED ON 2 TELESCOPING STEEL POSTS.

N

100 50 0 100
GRAPHIC SCALE (IN FEET)

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SIGNING & STRIPING PLAN
STA 768+00 TO STA 783+00
FAP 322 (US 51)
SECTION 11-12
CHRISTIAN COUNTY

SCALE: 1"=50' DRAWN BY BGJ
DATE 8/22/06 CHECKED BY SEB

Mon-15-2018 12:28:22 PM
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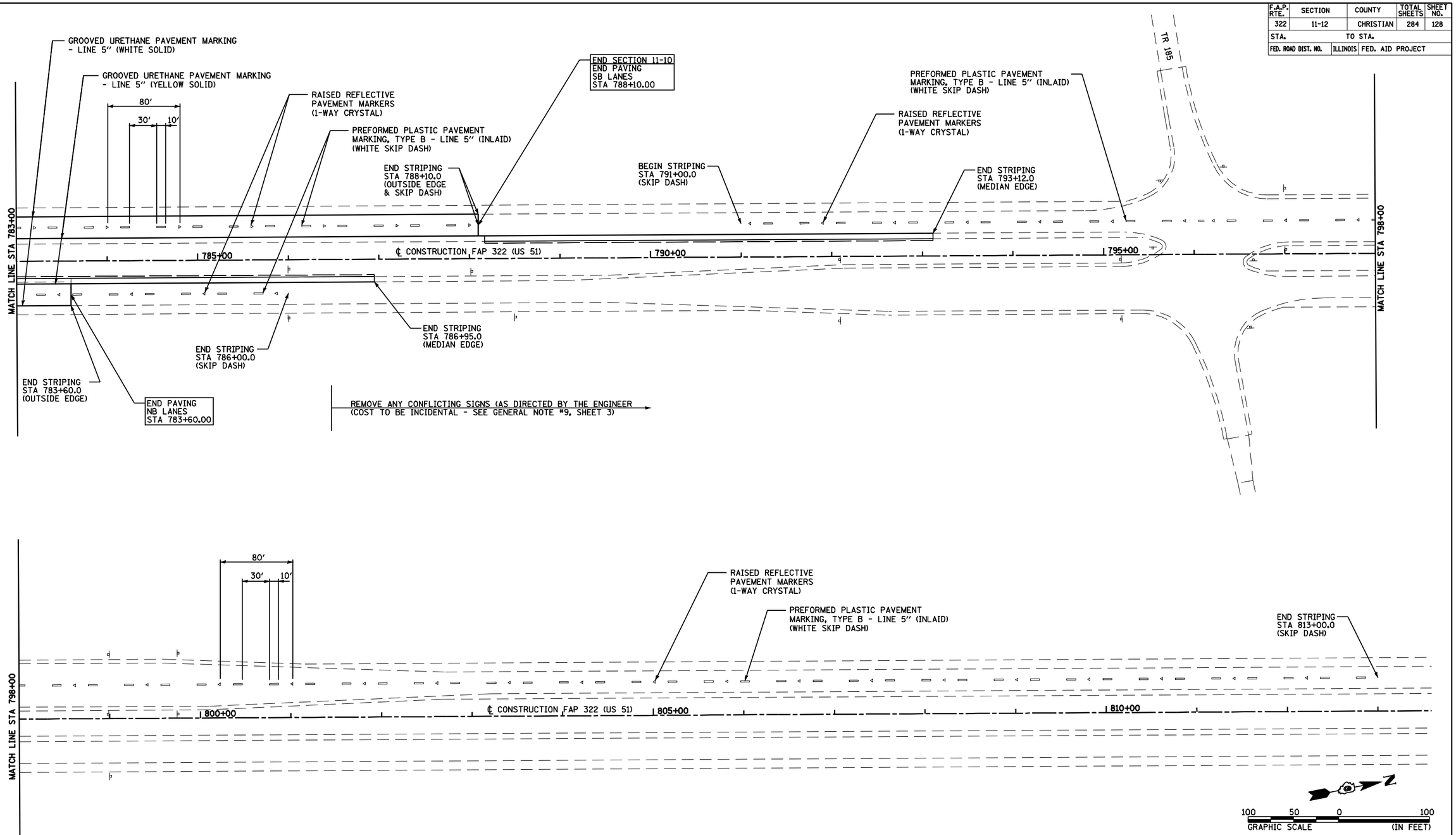
72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	128
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING & STRIPING PLAN
STA 768+00 TO STA 813+00
FAP 322 (US 51)
SECTION 11-12
CHRISTIAN COUNTY

SCALE: 1"=50' DRAWN BY BGJ

DATE 8/22/06 CHECKED BY SEB

May-15-2018 12:28:24PM

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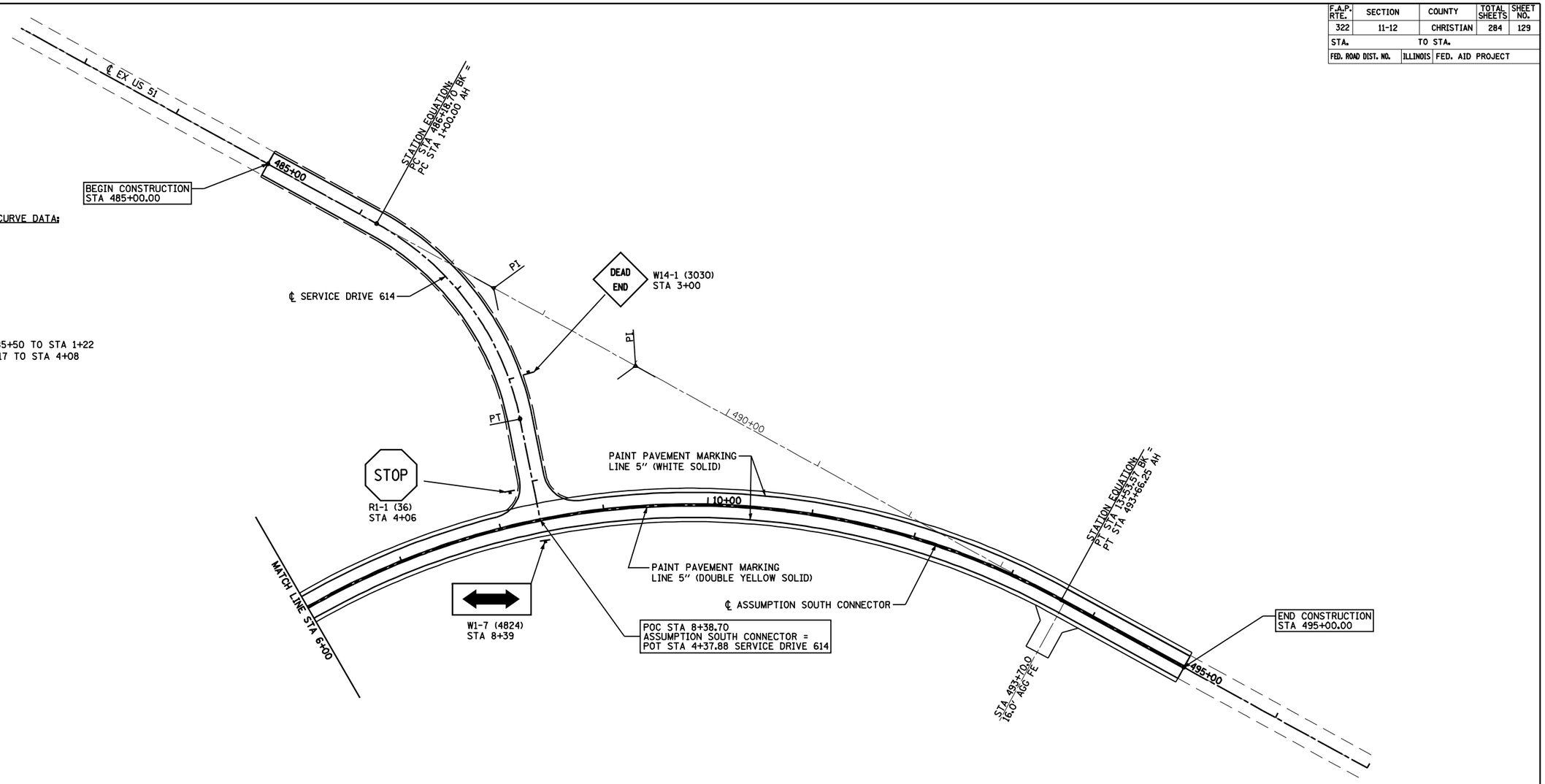
72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	129
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



SERVICE DRIVE 614 CURVE DATA:
PI STA = 2+27.84
Δ = 49° 51′ 51″ (RT)
D = 20° 50′ 05″
R = 275.00′
T = 127.84′
L = 239.33′
E = 28.26′
SE = 3.8%
PC STA = 1+00.00
PT STA = 3+39.33
SE ATTAINED STA 485+50 TO STA 1+22
SE REMOVED STA 3+17 TO STA 4+08

SOUTH ASSUMPTION CONNECTOR CURVE DATA:
PI STA = 9+89.46
Δ = 64° 36′ 57″ (RT)
D = 7° 47′ 43″
R = 735.00′
T = 464.79′
L = 828.90′
E = 134.63′
SE = 4.0%
PC STA = 5+24.67
PT STA = 13+53.57
SE ATTAINED STA 4+33 TO STA 5+55
SE REMOVED STA 13+24 TO STA 494+59

100 50 0 100
GRAPHIC SCALE (IN FEET)

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING & STRIPING PLAN ASSUMPTION SOUTH CONNECTOR FAP 322 (US 51) SECTION 11-12 CHRISTIAN COUNTY

SCALE: 1"=50′ DRAWN BY BGJ
DATE 8/22/06 CHECKED BY SEB

Mon-15-2018 12:28:26PM
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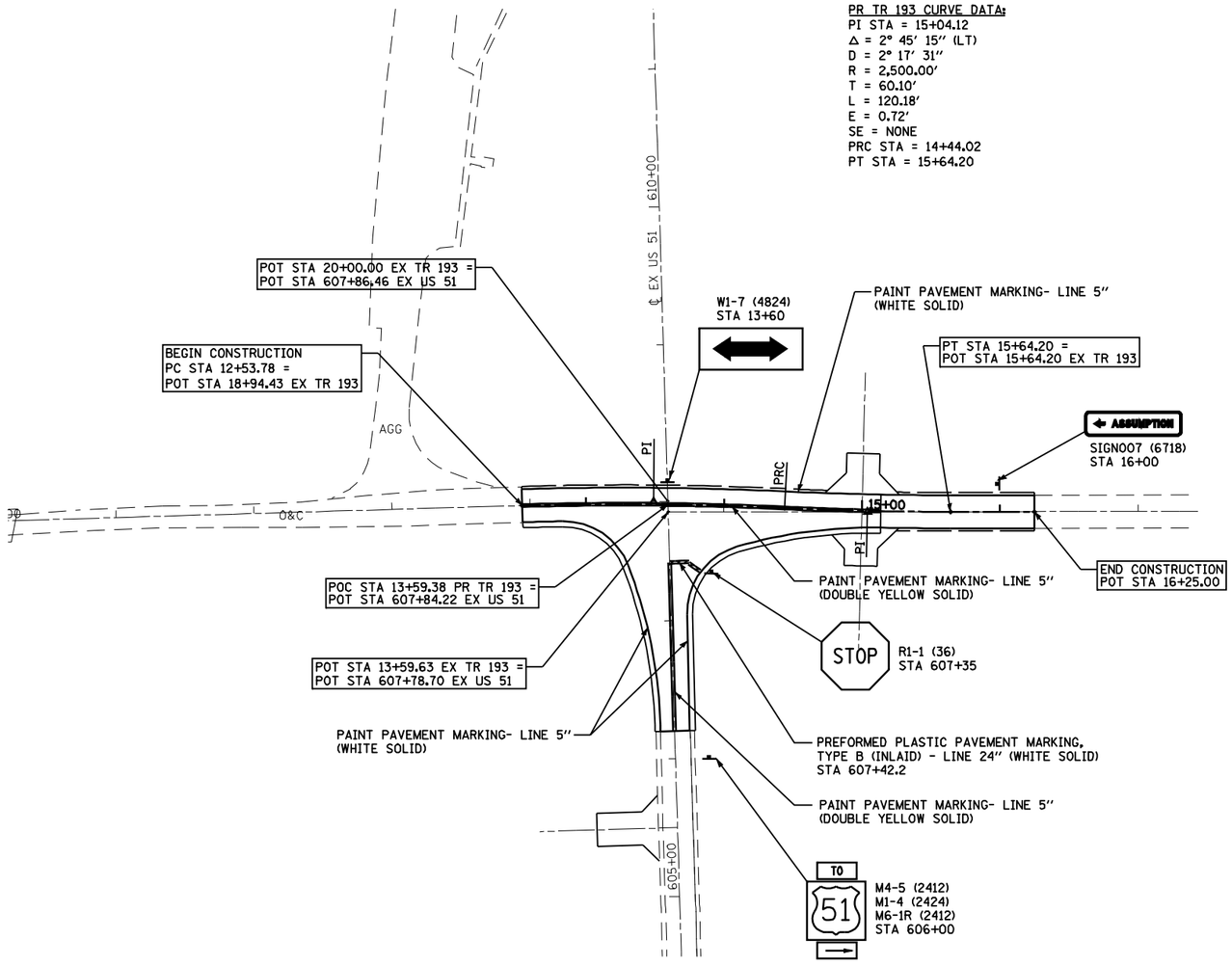
72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	130
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



PR TR 193 CURVE DATA:
PI STA = 13+48.95
Δ = 4° 21′ 36″ (RT)
D = 2° 17′ 31″
R = 2,500.00′
T = 95.17′
L = 190.24′
E = 1.81′
SE = NONE
PC STA = 12+53.78
PRC STA = 14+44.02

N

100 50 0 100
GRAPHIC SCALE (IN FEET)

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING & STRIPING PLAN
EX US 51 & TR 193
FAP 322 (US 51)
SECTION 11-12
CHRISTIAN COUNTY

SCALE: 1″=50′ DRAWN BY BGJ

DATE 8/22/06 CHECKED BY SEB

May-15-2010 12:28:28PM

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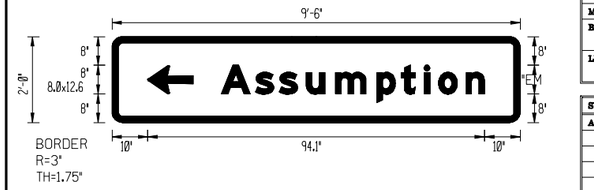
72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	131
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SIGN DETAIL



SIGN NUMBER	Sign001
WIDTH x HGHT.	9'-6" x 2'-0"
BORDER WIDTH	1.75"
CORNER RADIUS	3"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White

SYMBOL	X	Y	WID	HT
ARMED	10	8	8	12.6

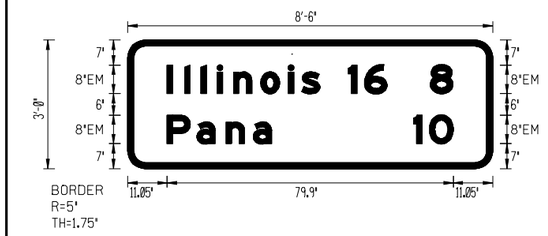
Panel Styleguide_exp_interchange.sxi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

A	s	s	u	m	p	t	i	o	n												LENGTH	SERIESSIZE
30.6	40.1	46.7	54.3	62.5	74	80.7	87.2	91.2	98.9												73.5	EM36

SIGN DETAIL



SIGN NUMBER	Sign002
WIDTH x HGHT.	8'-6" x 3'-0"
BORDER WIDTH	1.75"
CORNER RADIUS	5"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White

SYMBOL	X	Y	WID	HT

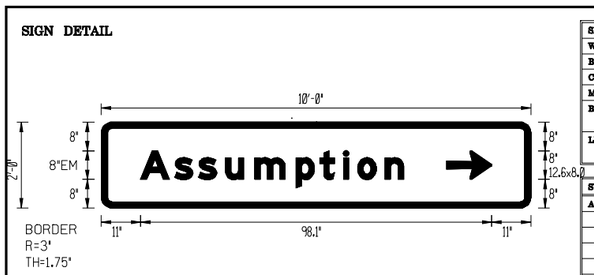
Panel Styleguide_exp_interchange.sxi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

I	l	l	i	n	o	i	s		1	8											LENGTH	SERIESSIZE
11.1	15.9	20.4	25	29.6	37.2	44.8	48.6	53.7	61.7	66.1											61.5	EM36
8																						EM8
84.5																					6.4	
P	a	n	a																			EM36
11	19.3	27.5	35.1																		29.1	
1	0																					EM8
79.9	84.3																				11.1	

SIGN DETAIL



SIGN NUMBER	Sign003
WIDTH x HGHT.	10'-8" x 2'-0"
BORDER WIDTH	1.75"
CORNER RADIUS	3"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White

SYMBOL	X	Y	WID	HT
ARMED	98.4	8	12.6	8

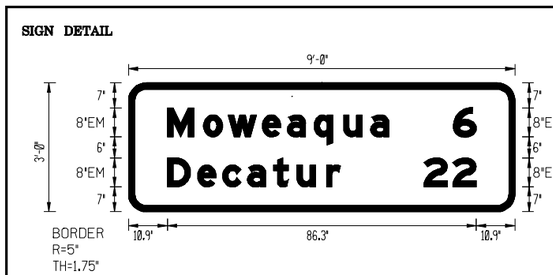
Panel Styleguide_exp_interchange.sxi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

A	s	s	u	m	p	t	i	o	n												LENGTH	SERIESSIZE
11	20.5	27.1	34.7	42.9	54.4	61.1	67.6	71.6	79.3												73.5	EM36

SIGN DETAIL



SIGN NUMBER	Sign004
WIDTH x HGHT.	9'-0" x 3'-0"
BORDER WIDTH	1.75"
CORNER RADIUS	5"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White

SYMBOL	X	Y	WID	HT

Panel Styleguide_exp_interchange.sxi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

M	o	w	e	a	q	u	a														LENGTH	SERIESSIZE
10.9	21	27.9	37.4	44.4	51.9	60.1	67.7														61.9	EM36
6																						EM8
90.5																					6.4	
D	e	c	a	t	u	r																EM36
10.9	19.3	26.5	33.2	40.6	47.1	55.3															46.5	
2	2																					EM8
82.6	90.6																				14.6	

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGN PANEL DETAILS
SHEET 1 OF 2
FAP 322 (US 51)
SECTION 11-12
CHRISTIAN COUNTY

SCALE: NONE DRAWN BY DIST. 6
DATE CHECKED BY .

Mon-15-2018 12:28:30PM
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72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	132
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SIGN DETAIL

SIGN NUMBER	Sign005	
WIDTH x HGHT.	12'-6" x 2'-8"	
BORDER WIDTH	1.75"	
CORNER RADIUS	8"	
MOUNTING	Ground	
BACKGROUND	TYPE:	Reflective
	COLOR:	Brown
LEGEND/BORDER	TYPE:	Reflective
	COLOR:	White /Pure White

SYMBOL	X	Y	WID	HT
ARMED	12	8	8	12.6

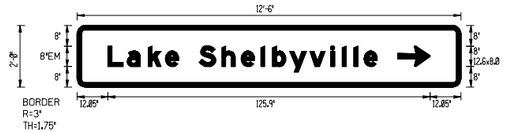
Panel Styleguide_exp_interchange.ai
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

L	a	k	e		S	h	e	l	b	y	v	i	l	l	e							LENGTH	SERIESSIZE
32.7	40.2	48.8	55.2	60.8	68.8	77.2	84.6	92.4	97	103.7	111.5	119.7	124.3	128.9	132.6							105.8	EM56

SIGN DETAIL



SIGN NUMBER	Sign006	
WIDTH x HGHT.	12'-6" x 2'-8"	
BORDER WIDTH	1.75"	
CORNER RADIUS	8"	
MOUNTING	Ground	
BACKGROUND	TYPE:	Reflective
	COLOR:	Brown
LEGEND/BORDER	TYPE:	Reflective
	COLOR:	White /Pure White

SYMBOL	X	Y	WID	HT
ARMED	125.4	8	12.6	8

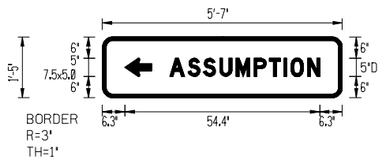
Panel Styleguide_exp_interchange.ai
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

L	a	k	e		S	h	e	l	b	y	v	i	l	l	e							LENGTH	SERIESSIZE
19	19.5	27.7	34.5	39.7	47.6	56.6	64.3	71.8	76.4	83.1	90.9	99.1	103.7	108.3	112.9							105.3	EM56

SIGN DETAIL



SIGN NUMBER	Sign007	
WIDTH x HGHT.	5'-7" x 1'-5"	
BORDER WIDTH	1"	
CORNER RADIUS	8"	
MOUNTING	Ground	
BACKGROUND	TYPE:	Reflective
	COLOR:	Green
LEGEND/BORDER	TYPE:	Reflective
	COLOR:	White /Pure White

SYMBOL	X	Y	WID	HT
AHUP	6.3	6	5	7.5

Panel Styleguide_exp_distance.ai
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

A	S	S	U	M	P	T	I	O	N												LENGTH	SERIESSIZE
18.6	23.9	29.2	33.6	37.3	42.4	46.7	50.7	52.6	57.8												41.9	D5

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGN PANEL DETAILS
SHEET 2 OF 2
FAP 322 (US 51)
SECTION 11-12
CHRISTIAN COUNTY

SCALE: NONE DRAWN BY DIST. 6

DATE . CHECKED BY .

Mon-15-2018 12:28:34PM

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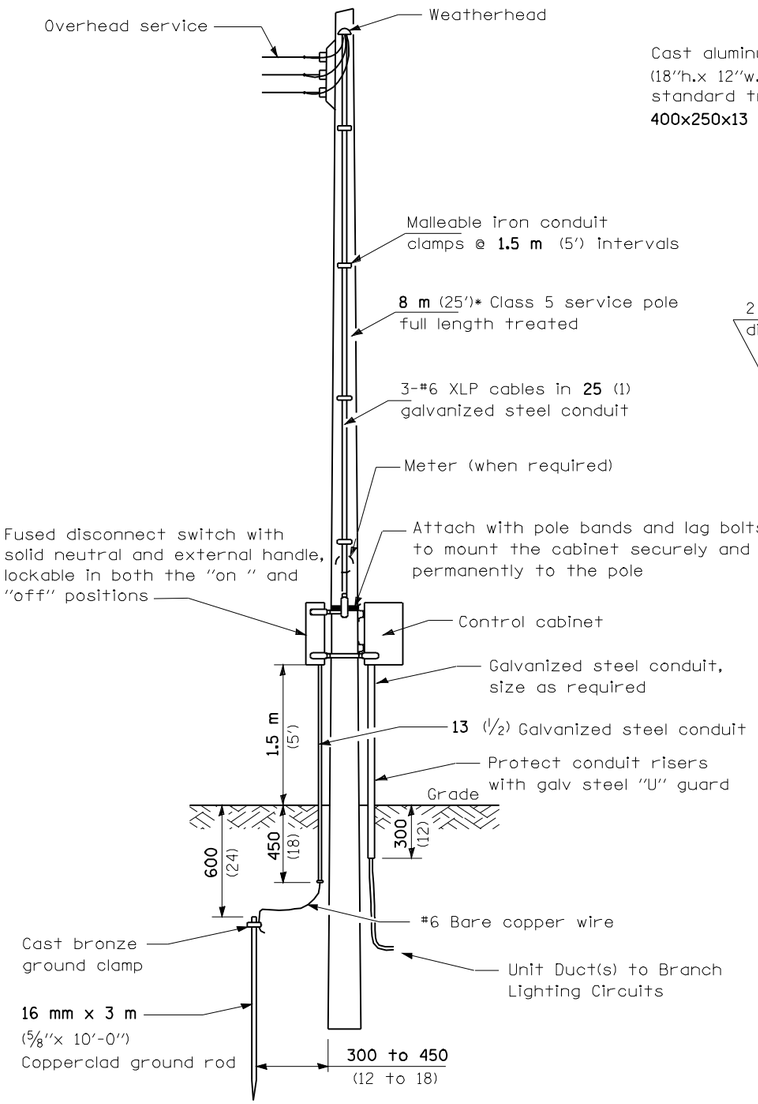
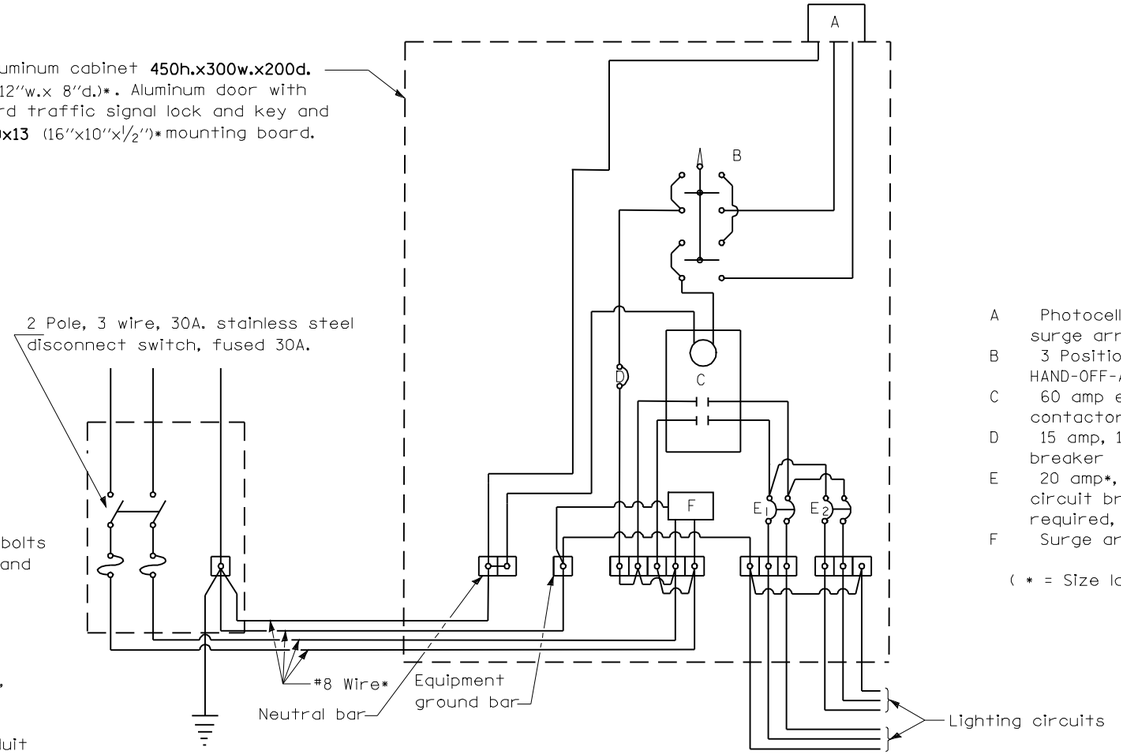
72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	133
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

120/240V., 1 PHASE, 3 WIRE SERVICE



SERVICE POLE



DISCONNECT SWITCH

CONTROL CABINET

A Photocell with integral surge arrester
B 3 Position selector switch HAND-OFF-AUTO
C 60 amp electrically held contactor
D 15 amp, 1 pole, circuit breaker
E 20 amp*, 2 pole, branch circuit breaker. Two breakers required, even if one is spare
F Surge arrestor

(* = Size larger as needed)

GENERAL NOTES

Wiring shall be panel board fashion. All bends shall be right angles. All runs shall be vertical or parallel to panel board. Wires shall be grouped or laced.

All control installation components shall be U.L. listed.

Label equipment ground and neutral.

Locate service pole and control installation adjacent to R.O.W. line with a minimum distance of 9 m (30') from the edge of pavement. Exact location shall be established by the Engineer.

The total distance between the control installation and primary transformer shall not exceed 76 m (250').

This detail shall only be used for intersection lighting or systems with minimal load and small number of luminaires.

CONTROL INSTALLATION
SERVICE POLE MOUNTED

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN -
LIGHTING DETAILS 1 OF 5
FAP 322 (US 51)
SECTION 11-12
CHRISTIAN COUNTY

SCALE: NONE DRAWN BY IDOT
DATE CHECKED BY

Mon-15-2018 12:28:37PM
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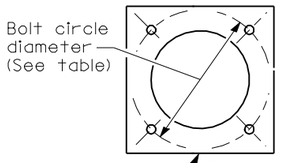
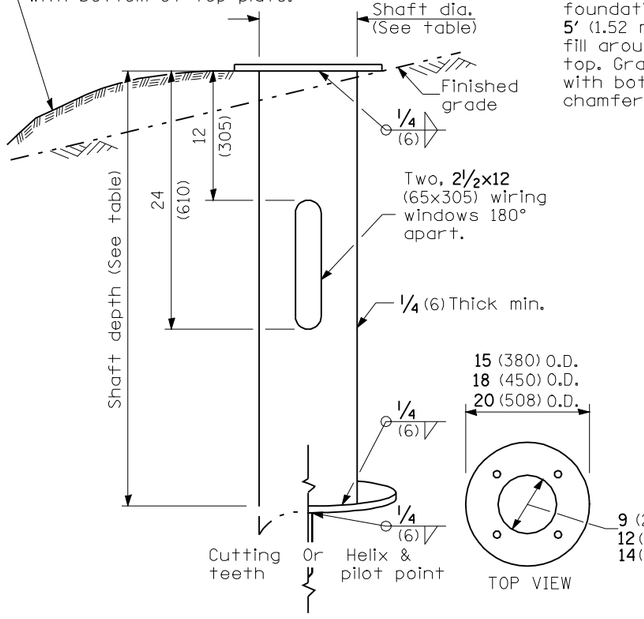
72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	134
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

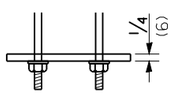
LIGHT POLE MOUNTING HEIGHT	BOLT CIRCLE DIAMETER	METAL FOUNDATION			CONCRETE FOUNDATION		
		SHAFT DIAMETER	SHAFT DEPTH	TOP PLATE (min)	SHAFT DIAMETER	SHAFT DEPTH	ANCHOR ROD LENGTH ①
≤ 30′ (9.1 m)	11½ (292)	8⅝ (220)	6′ (1.83 m)	12 x 12 x 1 (300 x 300 x 25)	24 (610)	5′-0″ (1.52 m)	4′-9″ (1.45 m)
31′-35′ (9.4 m - 10.7 m)	11½ (292)	8⅝ (220)	6′ (1.83 m)	12 x 12 x 1 (300 x 300 x 25)	24 (610)	5′-6″ (1.67 m)	5′-3″ (1.60 m)
36′-40′ (10.9 m - 12.2 m)	15 (381)③	8⅝ (220)	6′ (1.83 m) ②	15 x 15 x 1¼ (375 x 375 x 31)	30 (762)	6′-0″ (1.83 m)	5′-9″ (1.75 m)
41′-45′ (12.5 m - 13.7 m)	15 (381)③	8⅝ (220)	6′ (1.83 m) ②	15 x 15 x 1¼ (375 x 375 x 31)	30 (762)	6′-6″ (1.98 m)	6′-3″ (1.90 m)
46′-50′ (14.0 m - 15.2 m)	15 (381)③	8⅝ (220)	8′ (2.44 m)	15 x 15 x 1¼ (375 x 375 x 31)	30 (762)	7′-0″ (2.13 m)	6′-9″ (2.00 m)

① Length does not include 4 (100) hook.
② 8⅝ x 8′-0″ (220 x 2.44 m) for twin luminaires.
③ Use the maximum allowable bolt circle diameter (typ. 17(430)) for a transformer base.



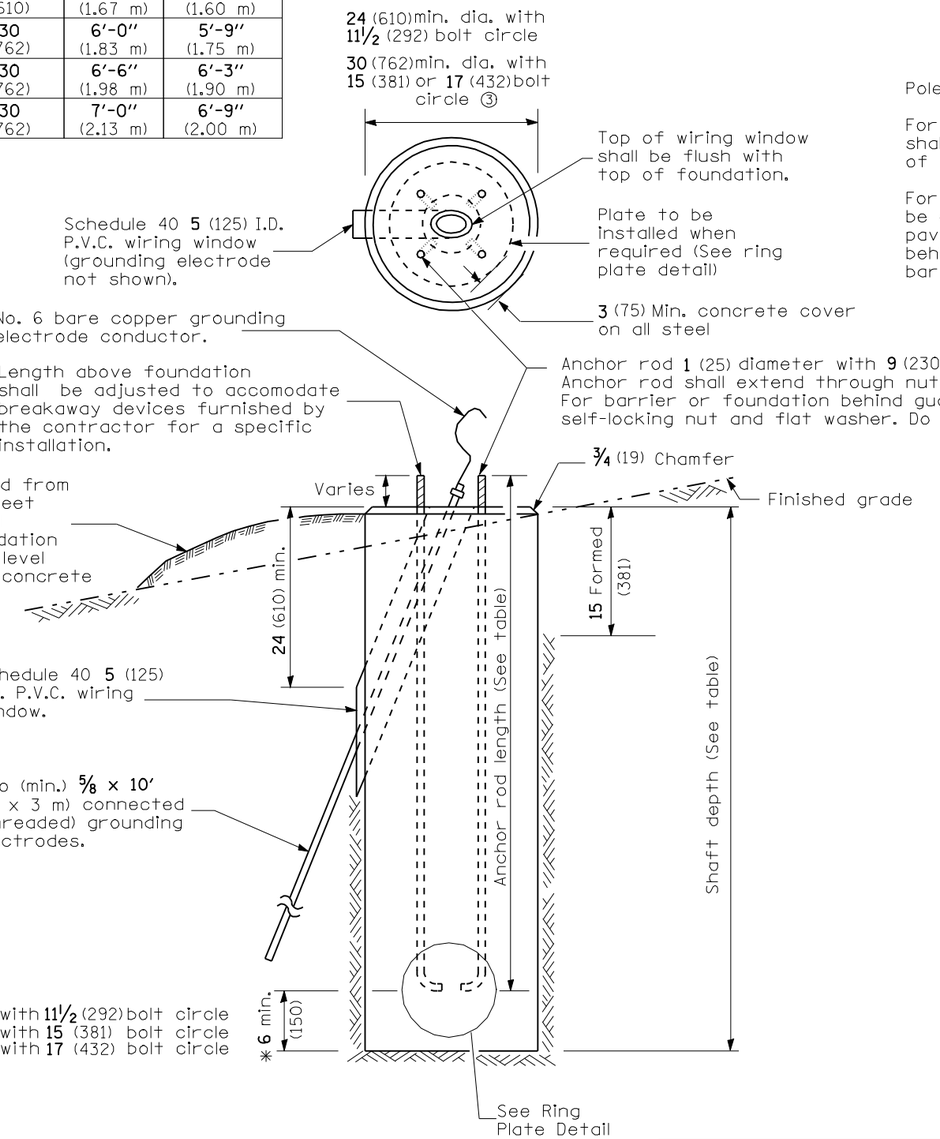


METAL FOUNDATION



RING PLATE DETAIL

(When rock is encountered and foundation is shallower)



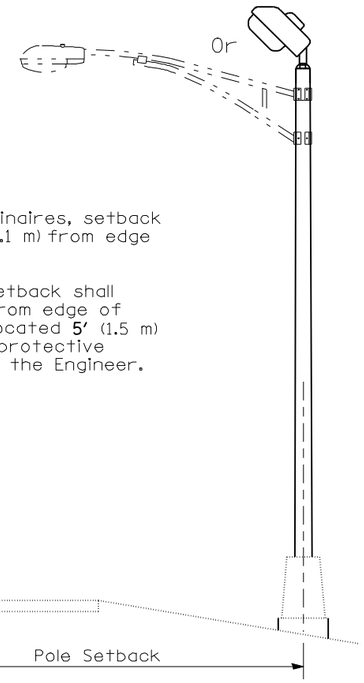
* If the required anchor rod length above top of foundation is less than 3 (75), anchor rods may be lowered below 6 (150).

CONCRETE FOUNDATION

Pole Foundation Setback:

For horizontal mounted luminaires, setback shall be a minimum of 20′ (6.1 m) from edge of pavement.

For multimount luminaires, setback shall be a minimum of 30′ (9 m) from edge of pavement. Poles shall be located 5′ (1.5 m) behind guardrail or other protective barriers, or as directed by the Engineer.



GENERAL NOTES

All foundations are designed to be located on slopes not exceeding 2:1 where soils have an unconfined compressive strength of at least 1.0 TSF. The Contractor shall verify the soil strength during drilling for concrete foundations or by monitoring installation resistance of metal foundations and notify the Engineer if other conditions are encountered.

Anchor rod shall be increased in diameter as needed for 50′ (15.2 m) mounting height or above. The Contractor shall match the breakaway device size or slotted hole size in the pole base plate to accomodate larger rod sizes.

Transformer bases shall not be used on metal foundations.

All dimensions are in inches (millimeters) unless otherwise shown.

LIGHT POLE FOUNDATION

STANDARD 836001

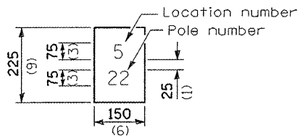
REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
LIGHTING PLAN - LIGHTING DETAILS 2 OF 5
FAP 322 (US 51)
SECTION 11-12
CHRISTIAN COUNTY

SCALE: NONE DRAWN BY IDOT
DATE CHECKED BY

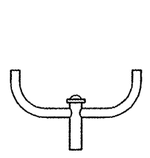
72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	135a
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

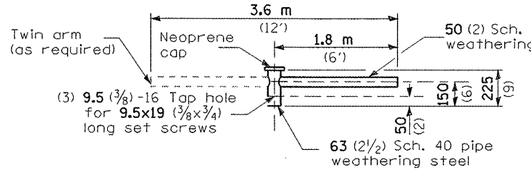


The contractor shall furnish and install a light pole identification of each new light pole, as shown above, incidental to the respective light pole pay item. The numerals shall be **75** (3) series "D", black, screened on silver-white type B pressure sensitive reflective sheeting conforming to the requirements of section T602.01 of the Standard Specifications for Traffic Control Items. The numerals shall conform to the FHWA "Standard Alphabets for Highway Signs".

The light pole identification shall be applied to sign base material as specified in section 1069.06 of the Standard Specifications, approximatey **180** (7) above the adjacent pavement grade visible to approaching traffic in accordance with Highway Standard 720001.

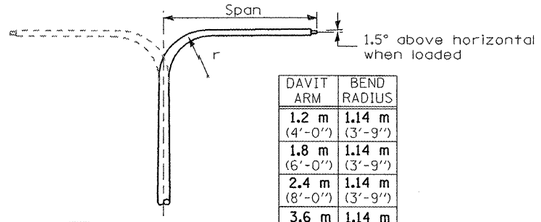


☒ TWIN TENON



☐ TENON MOUNT BRACKET ARM

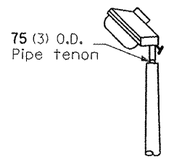
NOTE: Single or twin arm assembly shall be tilted 3° above horizontal.



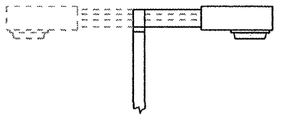
DAVIT ARM	BEND RADIUS
1.2 m (4'-0")	1.14 m (3'-9")
1.8 m (6'-0")	1.14 m (3'-9")
2.4 m (8'-0")	1.14 m (3'-9")
3.6 m (12'-0")	1.14 m (3'-9")

☐ DAVIT ARM

☐ DAVIT ARM-TWIN

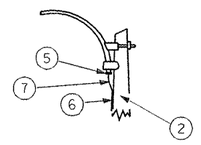


☒ TENON

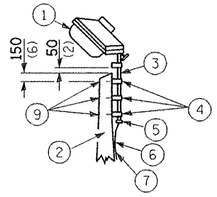


☐ SHORT BRACKET

☐ SHORT BRACKET - TWIN

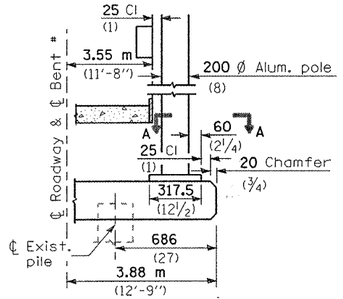


☐ MAST ARM

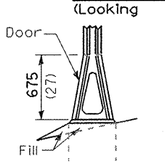


☐ TENON

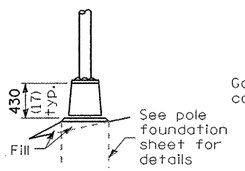
1. Luminaire
2. Wood pole, class 3 or better
3. **63** (2 1/2) Galv. steel conduit
4. Single offset pole band
5. Conduit bushing
6. Cable clamps on **600** (24) centers
7. 2/c #12 Type use cable
8. **25** (1) Galv. steel conduit **3.0 m** (10') in length
9. **16** (5/8) Ø hot dipped galvanized bolt with flat washer & locknut (3 req'd)
10. Conduit clamps on **900** (36) centers
11. Unit duct
12. Threaded reducer
13. "C" Condulet, threaded
14. **40** (1 1/2) Galv. steel conduit for 1 unit duct or **75** (3) galv. steel conduit for 2 or 3 unit ducts.



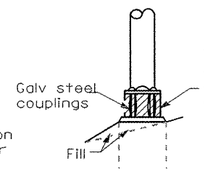
BENT # (Looking)



☐ STAINLESS STEEL FLAIR BASE

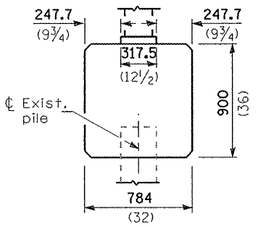


☐ TRANSFORMER BASE

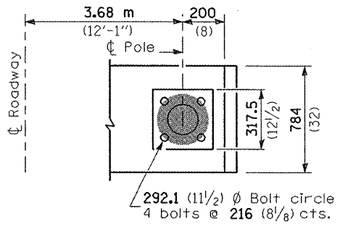


☒ BREAKAWAY COUPLING

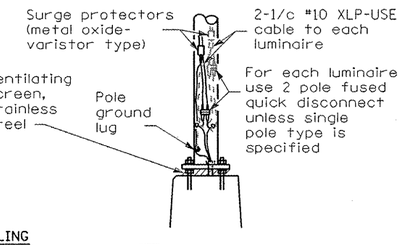
☒ FRANGIBLE



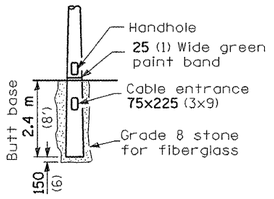
☐ BRIDGE PIER MOUNT



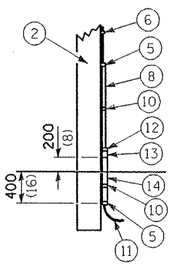
SECTION A-A



☐ ANCHOR



☐ BUTT BASE



☐ POLE, WOOD

POLE LENGTH	DEPTH IN GROUND
19.8 m (65')	3.6 m (12')
18.0 m (60')	3.0 m (10')
16.8 m (55')	2.7 m (9')
16.0 m (50')	2.4 m (8')
13.7 m (45')	2.1 m (7')
12.0 m (40')	2.0 m (6.5')
10.7 m (35')	1.8 m (6')
9.0 m (30')	1.7 m (5.5')

☒ METAL OR ☐ CONCRETE

Details for underground distribution if required

POLE STANDARDS

REVISIONS NAME	DATE

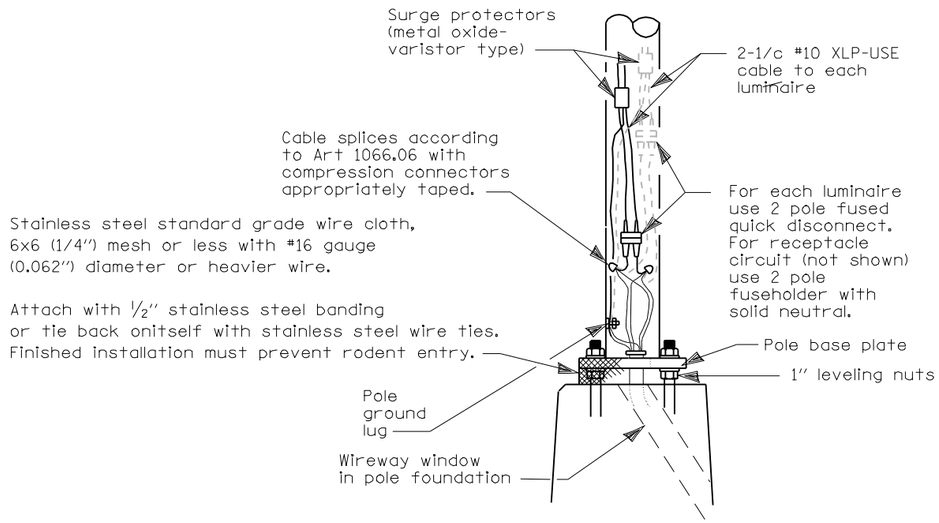
ILLINOIS DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN - LIGHTING DETAILS 3a OF 5
FAP 322 (US 51)
SECTION 11-12
CHRISTIAN COUNTY

SCALE: NONE DRAWN BY IDOT

DATE CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	135b
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



WIRING DETAIL

NO SCALE

GENERAL NOTES

All taped splices shall use 2 layers of electrical tape over 3 layers of rubber tape as required by the Standard Specifications. Coat the finished taped splice with bonding compound.

All cable splices shall be taped unless another method has been specifically approved by the Engineer.

For example purposes the pole is shown on an anchor base. If the pole is required to be set on a breakaway base, consult the Standard Specifications.

POLE HANDHOLE WIRING

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

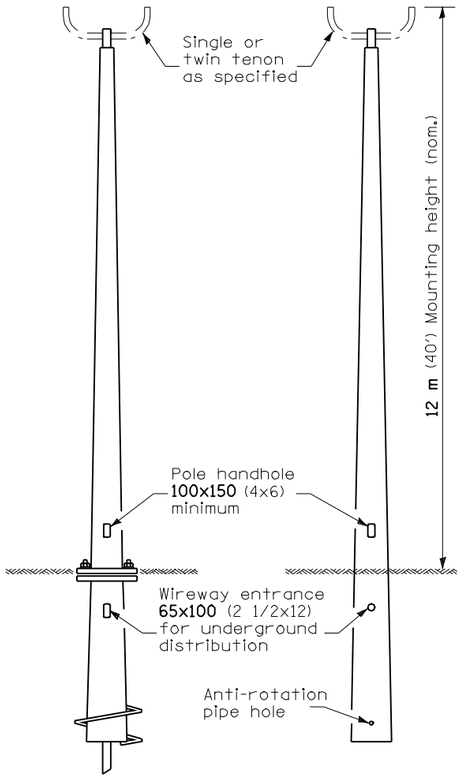
LIGHTING PLAN - LIGHTING DETAILS 3b OF 5
FAP 322 (US 51)
SECTION 11-12
CHRISTIAN COUNTY

SCALE: NONE DRAWN BY IDOT

DATE CHECKED BY

72932

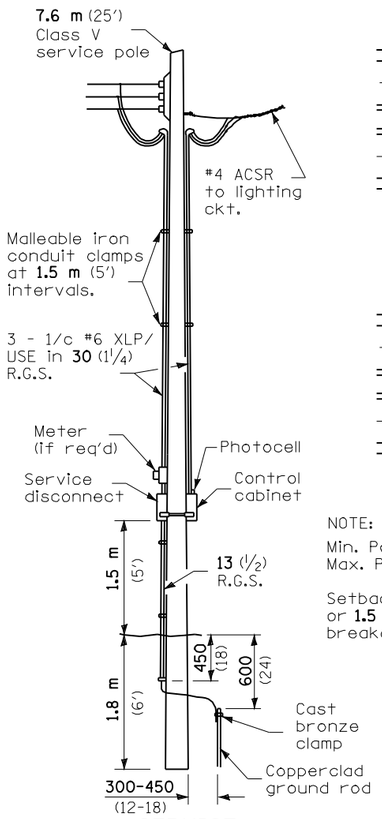
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	136
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



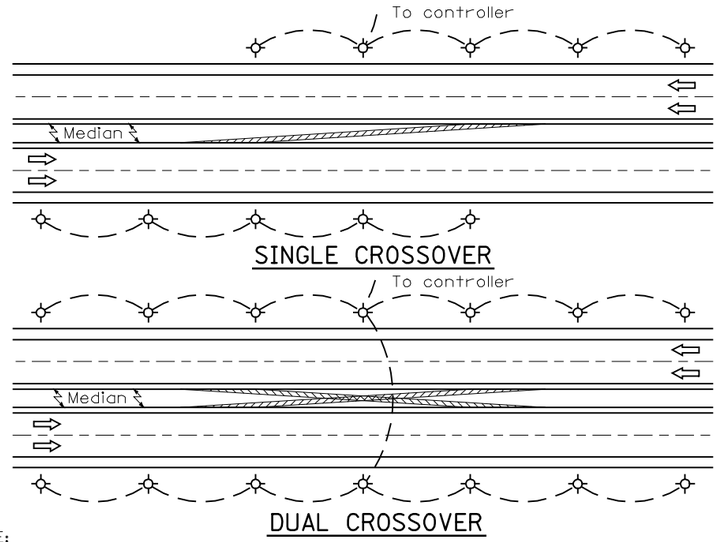
ANCHOR BASE W/ METAL FOUNDATION

BUTT BASE

POLE, FIBERGLASS BREAKAWAY TYPE



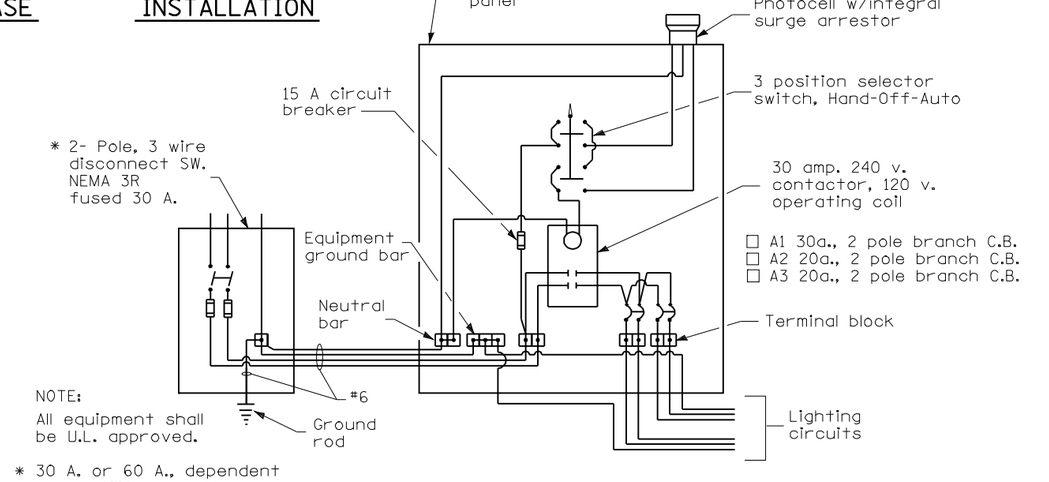
SERVICE INSTALLATION



NOTE:

Min. Pole spacing **60 m** (200')
Max. Pole spacing **75 m** (250')

Setback shall be min. **9 m** (30') or **1.5 m** (5') back of ditch, unless breakaway type pole is used.



NOTE:
All equipment shall be U.L. approved.

* 30 A. or 60 A., dependent upon utility co. rules.

WIRING DIAGRAM

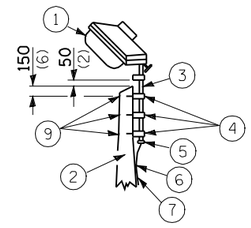
1. Luminaire
2. Wood pole, class 3 or better
3. **63** (2½) Galv. steel conduit
4. Single offset pole band
5. Conduit bushing
6. Cable clamps on **600** (24) centers
7. 2/c #12 Type USE cable
8. **25** (1) Galv. steel conduit **3.0 m** (10') in length
9. **16** (⅝) Ø hot dipped galvanized bolt with flat washer & locknut (3 req'd)
10. Conduit clamps on **900** (36) centers
11. Unit duct
12. Threaded reducer
13. "C" Condulet, threaded
14. **40** (1½) Galv. steel conduit for 1 unit duct or **75** (3) galv. steel conduit for 2 or 3 unit ducts.

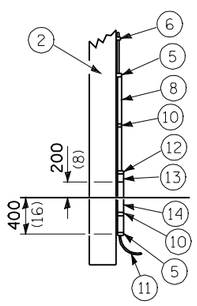
NOTE:

Luminaire(s) shall have a 2-pole inline weatherproof quick disconnect fuse holder.

Luminaire(s) shall be oriented and the mounting angle adjusted as recommented by the Engineer.

Connect luminaire equipment ground to ACSR messenger.





POLE, WOOD

POLE LENGTH	DEPTH IN GROUND
19.8 m (65')	**3.6 m** (12')
18.0 m (60')	**3.0 m** (10')
16.8 m (55')	**2.7 m** (9')
16.0 m (50')	**2.4 m** (8')
13.7 m (45')	**2.1 m** (7')
12.0 m (40')	**2.0 m** (6.5')
10.7 m (35')	**1.8 m** (6')
9.0 m (30')	**1.7 m** (5.5')

TEMPORARY ROADWAY LIGHTING

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN - LIGHTING DETAILS 4 OF 5
FAP 322 (US 51)
SECTION 11-12
CHRISTIAN COUNTY

SCALE: NONE DRAWN BY IDOT
DATE CHECKED BY

Mon-15-2018 12:28:46PM
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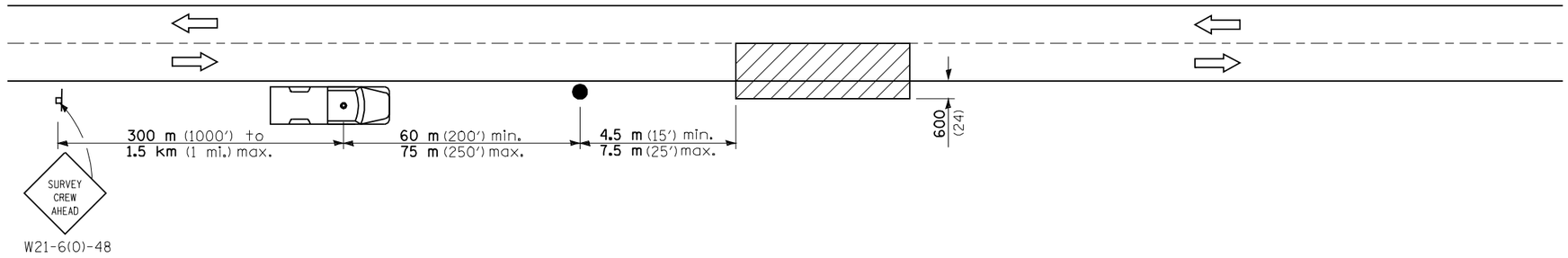
72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	137
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



FLAGGER SHALL BE EQUIPPED WITH AND REQUIRED TO USE A HIGH INTENSITY, OR HIGH PERFORMANCE " **STOP - SLOW** " TRAFFIC CONTROL PADDLE. FLAGGER AND LIGHTING INSPECTOR SHALL BE REQUIRED TO WEAR A HIGH VISIBILITY, REFLECTIVE ORANGE VEST AND EITHER A HARD HAT OR AN ORANGE CAP.

SYMBOLS

Work area

Sign on portable or permanent support

Truck with flashing amber light and dual emergency flashers

Flagger with traffic control sign

TYPICAL APPLICATIONS

Utility operations

DETAIL FOR NIGHTTIME LIGHTING INSPECTION

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN - LIGHTING DETAILS 5 OF 5
FAP 322 (US 51)
SECTION 11-12
CHRISTIAN COUNTY

SCALE: NONE DRAWN BY IDOT

DATE CHECKED BY

Mon-15-2018 12:28:49 PM

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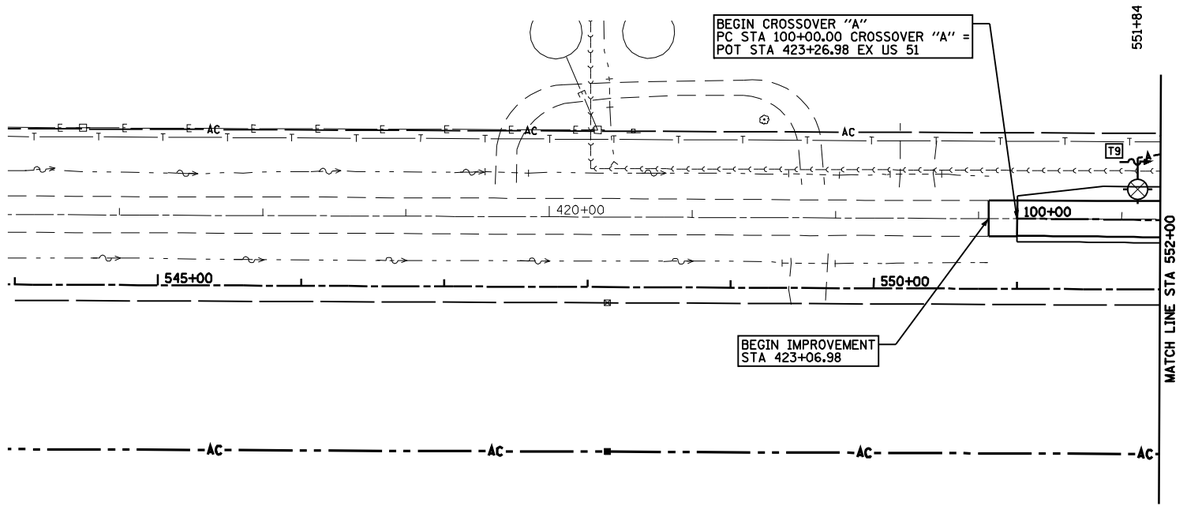
72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	138
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



NOTES:

1. ALL POLES TO BE SET BACK 30' FROM EDGE OF PAVEMENT UNLESS THIS DISTANCE FALLS IN THE FLOW LINE OF THE DITCH. IN THAT CASE MOVE FURTHER BACK OUT OF THE FLOW LINE OR AS DIRECTED BY THE ENGINEER.
2. SEAL UNIT DUCT AT TOP OF POLE T1 TO KEEP MOISTURE OUT.
3. WHERE UNDERGROUND CABLE IS SPLICED TO AERIAL, KEEP ALUMINUM OVER COPPER.
4. PROTECT THE VERTICAL RUN OF UNIT DUCT ON POLE T1 WITH STEEL U-GUARD.

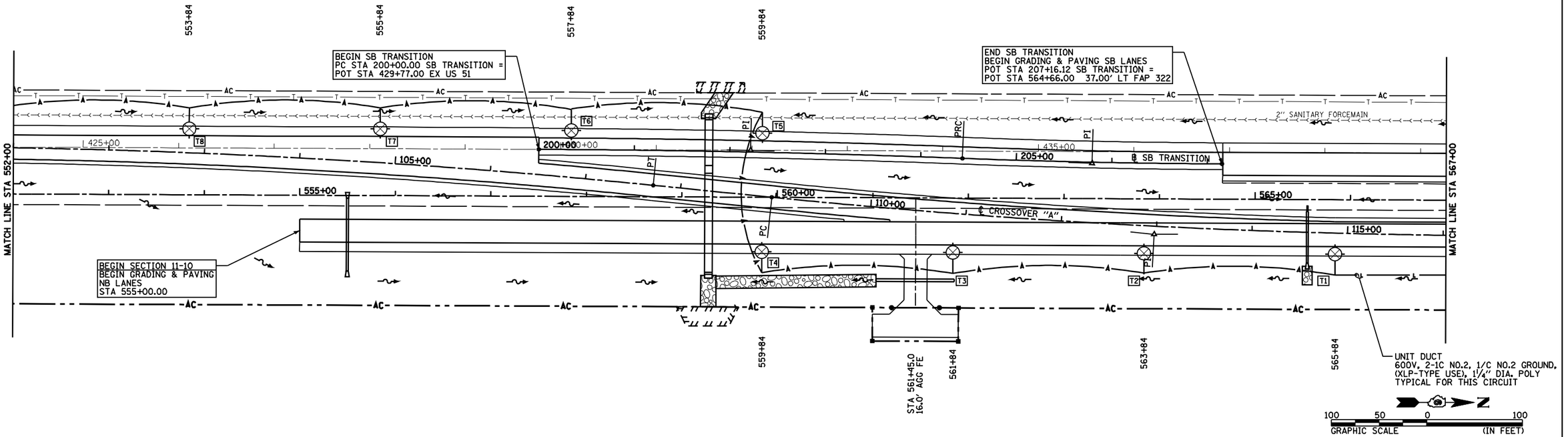
LEGEND

- WOOD LIGHTING POLE, 50' CLASS 3 WITH 250 WATT HPS MULTI MOUNT LUMINAIRE.
- L — UNIT DUCT (AS NOTED)
- A — AERIAL CABLE, 2-1/C#4, ALUMINUM WITH MESSENGER WIRE

PERFORMANCE REQUIREMENTS

NOTE: These performance reqirements shall be the minimum acceptable standards of photometric performance for the luminare.

ILLUMINATION:	Average Horizontal Illumination, (Eave)	9.0 Lux
	Uniformity Ratio, (Eave/Emin)	3.0
LUMINANCE:	Average Luminance, (Lave)	0.6 Cd/sq m
	Uniformity Ratios: (Lave/Lmin)	3.5
	(Lmax/Lmin)	6.0
	Maximum Veiling Luminance Ratio: (Lv/Lave)	0.3



REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN - CROSSOVER "A" FAP 322 (US 51) SECTION 11-12 CHRISTIAN COUNTY

SCALE: 1"=50' DRAWN BY SEB

DATE 8/22/06 CHECKED BY TLD

72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	139
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PERFORMANCE REQUIREMENTS

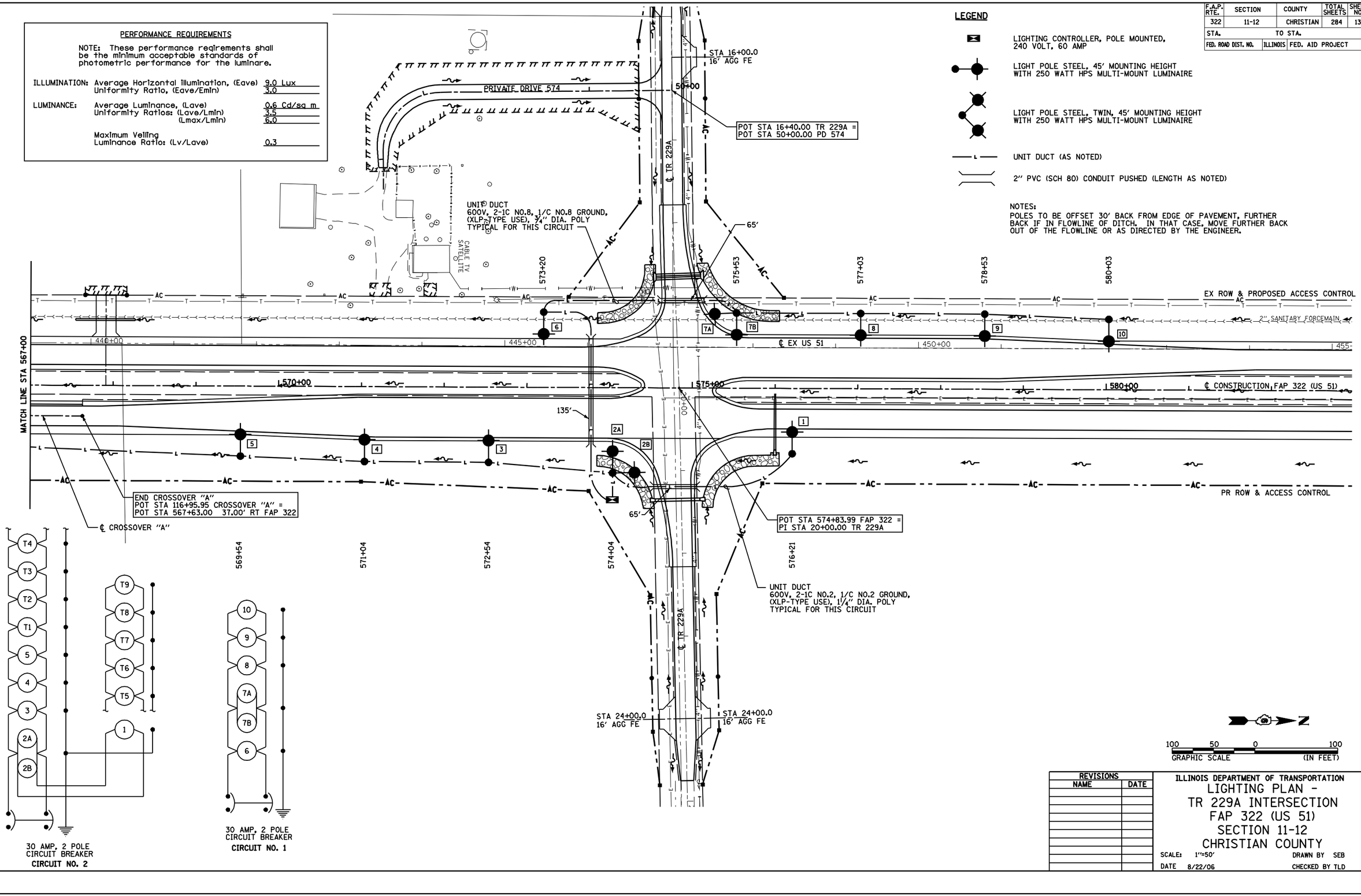
NOTE: These performance reqirements shall be the minimum acceptable standards of photometric performance for the luminare.

ILLUMINATION:	Average Horizontal Illumination, (Eave)	9.0 Lux
	Uniformity Ratio, (Eave/Emin)	3.0
LUMINANCE:	Average Luminance, (Lave)	0.6 Cd/sq m
	Uniformity Ratios: (Lave/Lmin)	3.5
	(Lmax/Lmin)	6.0
	Maximum Veiling Luminance Ratio: (Lv/Lave)	0.3

LEGEND

- LIGHTING CONTROLLER, POLE MOUNTED, 240 VOLT, 60 AMP
- LIGHT POLE STEEL, 45' MOUNTING HEIGHT WITH 250 WATT HPS MULTI-MOUNT LUMINAIRE
- LIGHT POLE STEEL, TWIN, 45' MOUNTING HEIGHT WITH 250 WATT HPS MULTI-MOUNT LUMINAIRE
- UNIT DUCT (AS NOTED)
- 2" PVC (SCH 80) CONDUIT PUSHED (LENGTH AS NOTED)

NOTES:
POLES TO BE OFFSET 30' BACK FROM EDGE OF PAVEMENT, FURTHER BACK IF IN FLOWLINE OF DITCH. IN THAT CASE, MOVE FURTHER BACK OUT OF THE FLOWLINE OR AS DIRECTED BY THE ENGINEER.



30 AMP, 2 POLE CIRCUIT BREAKER
CIRCUIT NO. 2

30 AMP, 2 POLE CIRCUIT BREAKER
CIRCUIT NO. 1

100 50 0 100
GRAPHIC SCALE (IN FEET)

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN - TR 229A INTERSECTION FAP 322 (US 51) SECTION 11-12 CHRISTIAN COUNTY

SCALE: 1"=50' DRAWN BY SEB

DATE 8/22/06 CHECKED BY TLD

Mon-15-2018 12:28:54 PM

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72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	140
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PERFORMANCE REQUIREMENTS

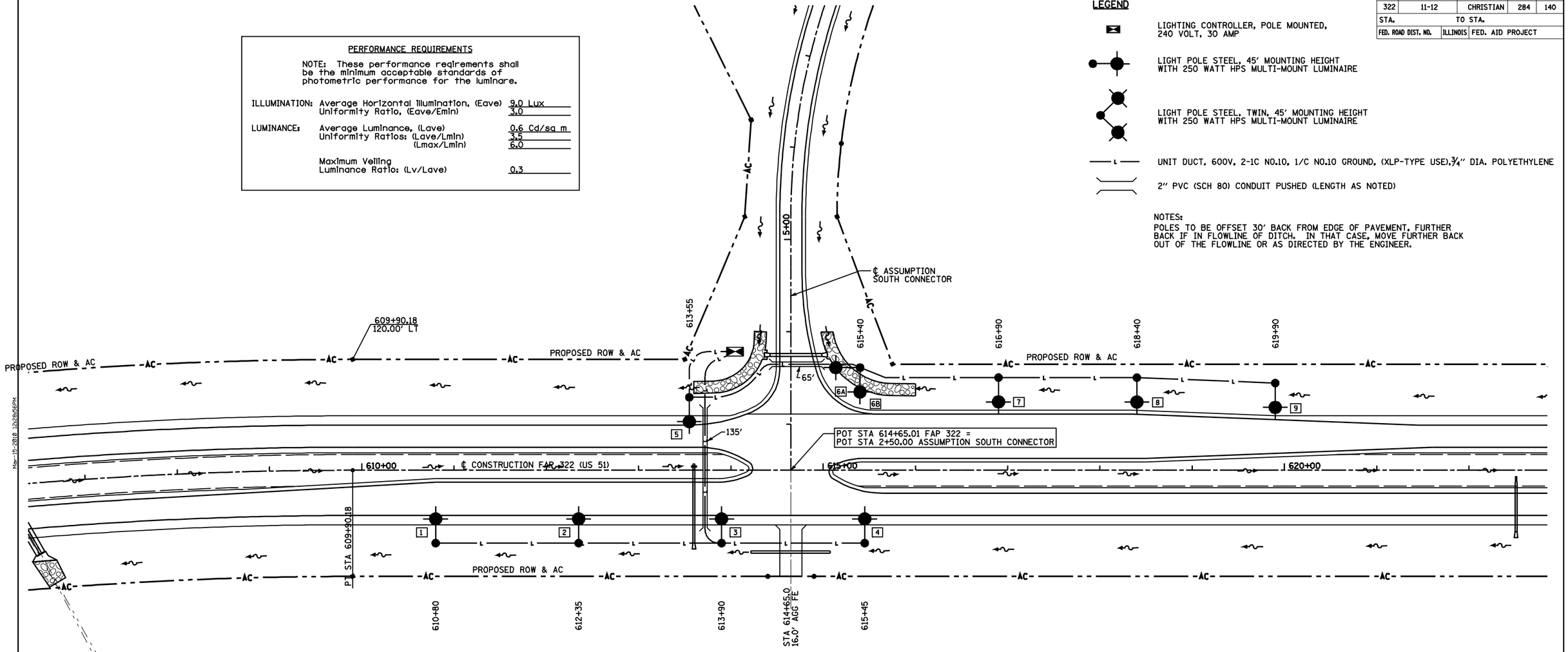
NOTE: These performance reqlrements shall be the minimum acceptable standards of photometric performance for the luminare.

ILLUMINATION:	Average Horizontal Illumination, (Eave)	9.0 Lux
	Uniformity Ratio, (Eave/Emin)	3.0
LUMINANCE:	Average Luminance, (Lave)	0.6 Cd/sq m
	Uniformity Ratios: (Lave/Lmin)	3.5
	(Lmax/Lmin)	6.0
	Maximum Veiling Luminance Ratio: (Lv/Lave)	0.3

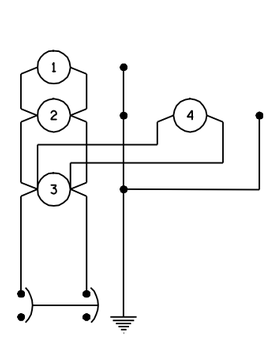
LEGEND

- LIGHTING CONTROLLER, POLE MOUNTED, 240 VOLT, 30 AMP
- LIGHT POLE STEEL, 45′ MOUNTING HEIGHT WITH 250 WATT HPS MULTI-MOUNT LUMINAIRE
- LIGHT POLE STEEL, TWIN, 45′ MOUNTING HEIGHT WITH 250 WATT HPS MULTI-MOUNT LUMINAIRE
- UNIT DUCT, 600V, 2-1C NO.10, 1/C NO.10 GROUND, (XLP-TYPE USE), ¾″ DIA. POLYETHYLENE
- 2″ PVC (SCH 80) CONDUIT PUSHED (LENGTH AS NOTED)

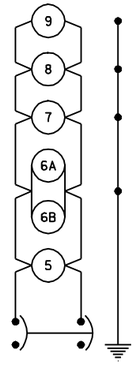
NOTES:
POLES TO BE OFFSET 30′ BACK FROM EDGE OF PAVEMENT, FURTHER BACK IF IN FLOWLINE OF DITCH. IN THAT CASE, MOVE FURTHER BACK OUT OF THE FLOWLINE OR AS DIRECTED BY THE ENGINEER.



FAP 322 (US 51) CURVE *M1 DATA:
PI STA = 600+54.42
Δ = 25° 22′ 36″ (RT)
D = 1° 20′ 00″
R = 4,297.18′
T = 967.49′
L = 1,903.25′
E = 107.57′
SE = 4.2%
PC STA = 590+86.93
PT STA = 609+90.18
SE ATTAINED STA 589+20 TO STA 591+50
(TR STA 589+20 TO STA 589+61)
SE REMOVED STA 609+27 TO STA 611+57
(TR STA 611+16 TO STA 611+57)



20 AMP, 2 POLE CIRCUIT BREAKER
CIRCUIT NO. 1



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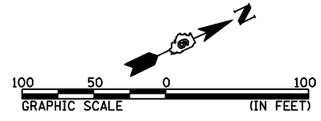
CIRCUIT NO. 2



REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN - ASSUMPTION SOUTH CONNECTOR INTERSECTION FAP 322 (US 51) SECTION 11-12 CHRISTIAN COUNTY

SCALE: 1″=50′ DRAWN BY BDJ
DATE 8/22/06 CHECKED BY TLD

72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	141
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PERFORMANCE REQUIREMENTS

NOTE: These performance reqirements shall be the minimum acceptable standards of photometric performance for the luminare.

ILLUMINATION:	Average Horizontal Illumination, (Eave)	9.0 Lux
	Uniformity Ratio, (Eave/Emin)	3.0
LUMINANCE:	Average Luminance, (Lave)	0.6 Cd/sq m
	Uniformity Ratios: (Lave/Lmin)	3.5
	(Lmax/Lmin)	6.0
	Maximum Veiling Luminance Ratio: (Lv/Lave)	0.3

STA 46+14.0
35.4 CONC CE

STA 46+21.1
36.2 CONC CE

STA 48+66.0
35' CONC CE

STA 54+53.1
45' BIT CE

℄ ILLINOIS ST

℄ CONSTRUCTION FAP 322 (US 51)

TR 209

PR ROW & ACCESS CONTROL

POC STA 659+60.33 FAP 322 =
POT STA 50+82.09 ILLINOIS ST/TR 209

CONC

AGG

TEL

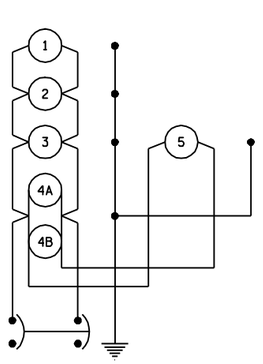
65'

135'

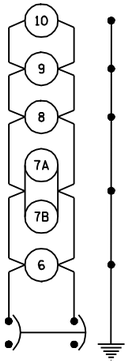
50'

654+25 655+00 655+75 657+25 658+25 658+75 660+00 660+43 660+90 661+93 663+43 664+93 665+00 55+00

1 2 3 4A 4B 5 6 7A 7B 8 9 10



20 AMP, 2 POLE
CIRCUIT BREAKER
CIRCUIT NO. 1



20 AMP, 2 POLE
CIRCUIT BREAKER
CIRCUIT NO. 2

LEGEND

- LIGHTING CONTROLLER, POLE MOUNTED, 240 VOLT, 30 AMP
- LIGHT POLE STEEL, 45' MOUNTING HEIGHT WITH 250 WATT HPS MULTI-MOUNT LUMINAIRE
- LIGHT POLE STEEL, TWIN, 45' MOUNTING HEIGHT WITH 250 WATT HPS MULTI-MOUNT LUMINAIRE
- L — UNIT DUCT, 600V, 2-1C NO.10, 1/C NO.10 GROUND, (XLP-TYPE USE), ¼" DIA. POLYETHYLENE
- 2" PVC (SCH 80) CONDUIT PUSHED (LENGTH AS NOTED)

NOTES:
POLES TO BE OFFSET 30' BACK FROM EDGE OF PAVEMENT, FURTHER BACK IF IN FLOWLINE OF DITCH. IN THAT CASE, MOVE FURTHER BACK OUT OF THE FLOWLINE OR AS DIRECTED BY THE ENGINEER.

100 50 0 100
GRAPHIC SCALE (IN FEET)

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN - ILLINOIS ST/ TR 209 INTERSECTION FAP 322 (US 51) SECTION 11-12 CHRISTIAN COUNTY

SCALE: 1"=50' DRAWN BY BDJ
DATE 8/22/06 CHECKED BY TLD

Mon-15-2018 12:28:59PM
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72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	142
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PERFORMANCE REQUIREMENTS

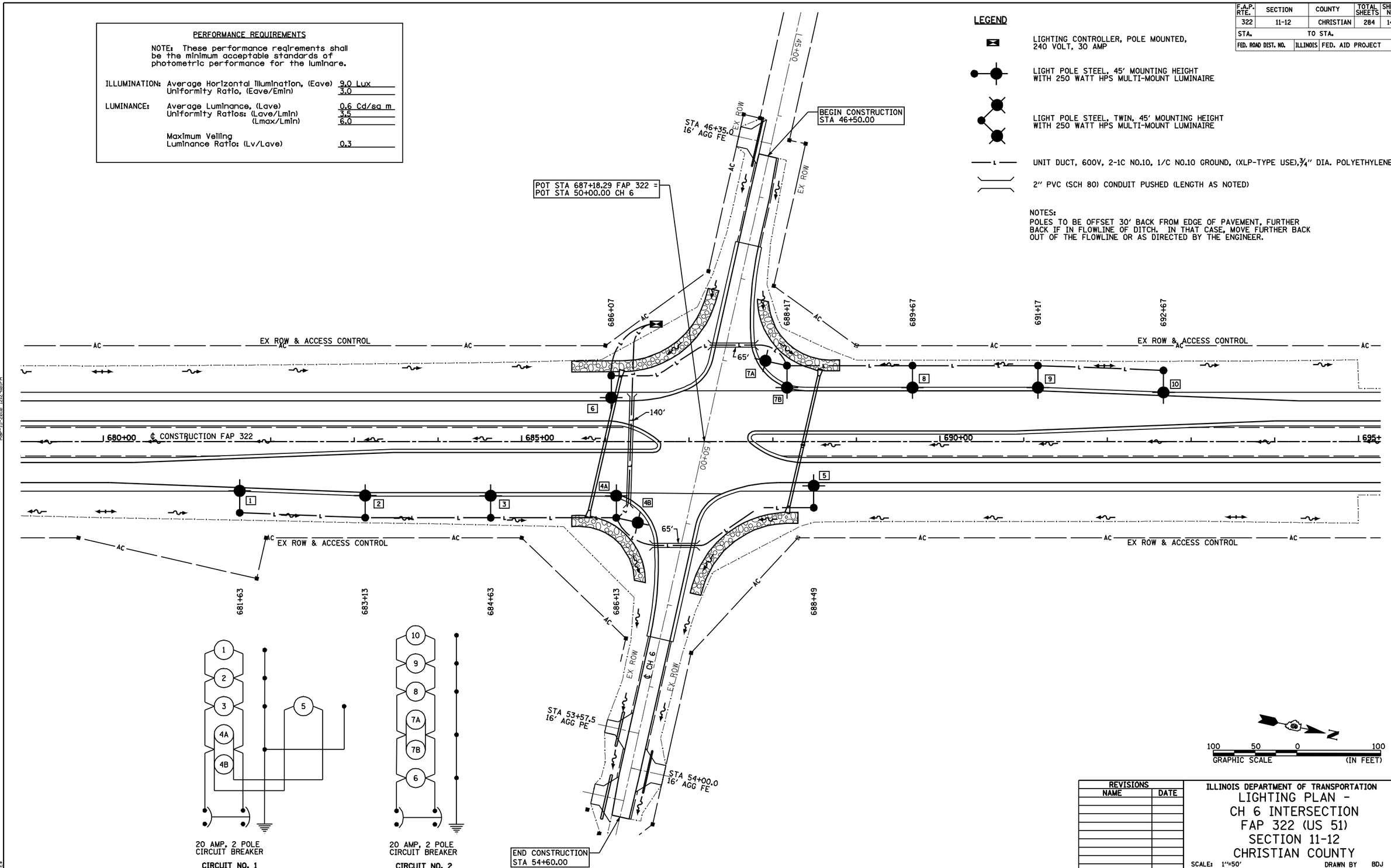
NOTE: These performance reqirements shall be the minimum acceptable standards of photometric performance for the luminare.

ILLUMINATION:	Average Horizontal Illumination, (Eave)	9.0 Lux
	Uniformity Ratio, (Eave/Emin)	3.0
LUMINANCE:	Average Luminance, (Lave)	0.6 Cd/sq m
	Uniformity Ratios: (Lave/Lmin)	3.5
	(Lmax/Lmin)	6.0
	Maximum Veiling Luminance Ratio: (Lv/Lave)	0.3

LEGEND

- LIGHTING CONTROLLER, POLE MOUNTED, 240 VOLT, 30 AMP
- LIGHT POLE STEEL, 45' MOUNTING HEIGHT WITH 250 WATT HPS MULTI-MOUNT LUMINAIRE
- LIGHT POLE STEEL, TWIN, 45' MOUNTING HEIGHT WITH 250 WATT HPS MULTI-MOUNT LUMINAIRE
- L — UNIT DUCT, 600V, 2-1C NO.10, 1/C NO.10 GROUND, (XLP-TYPE USE),¾" DIA. POLYETHYLENE
- 2" PVC (SCH 80) CONDUIT PUSHED (LENGTH AS NOTED)

NOTES:
POLES TO BE OFFSET 30' BACK FROM EDGE OF PAVEMENT, FURTHER BACK IF IN FLOWLINE OF DITCH. IN THAT CASE, MOVE FURTHER BACK OUT OF THE FLOWLINE OR AS DIRECTED BY THE ENGINEER.



REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN - CH 6 INTERSECTION FAP 322 (US 51) SECTION 11-12 CHRISTIAN COUNTY

SCALE: 1"=50' DRAWN BY BDJ

DATE 8/22/06 CHECKED BY TLD

Mon-15-2018 12:29:18 PM

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72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	143
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PERFORMANCE REQUIREMENTS

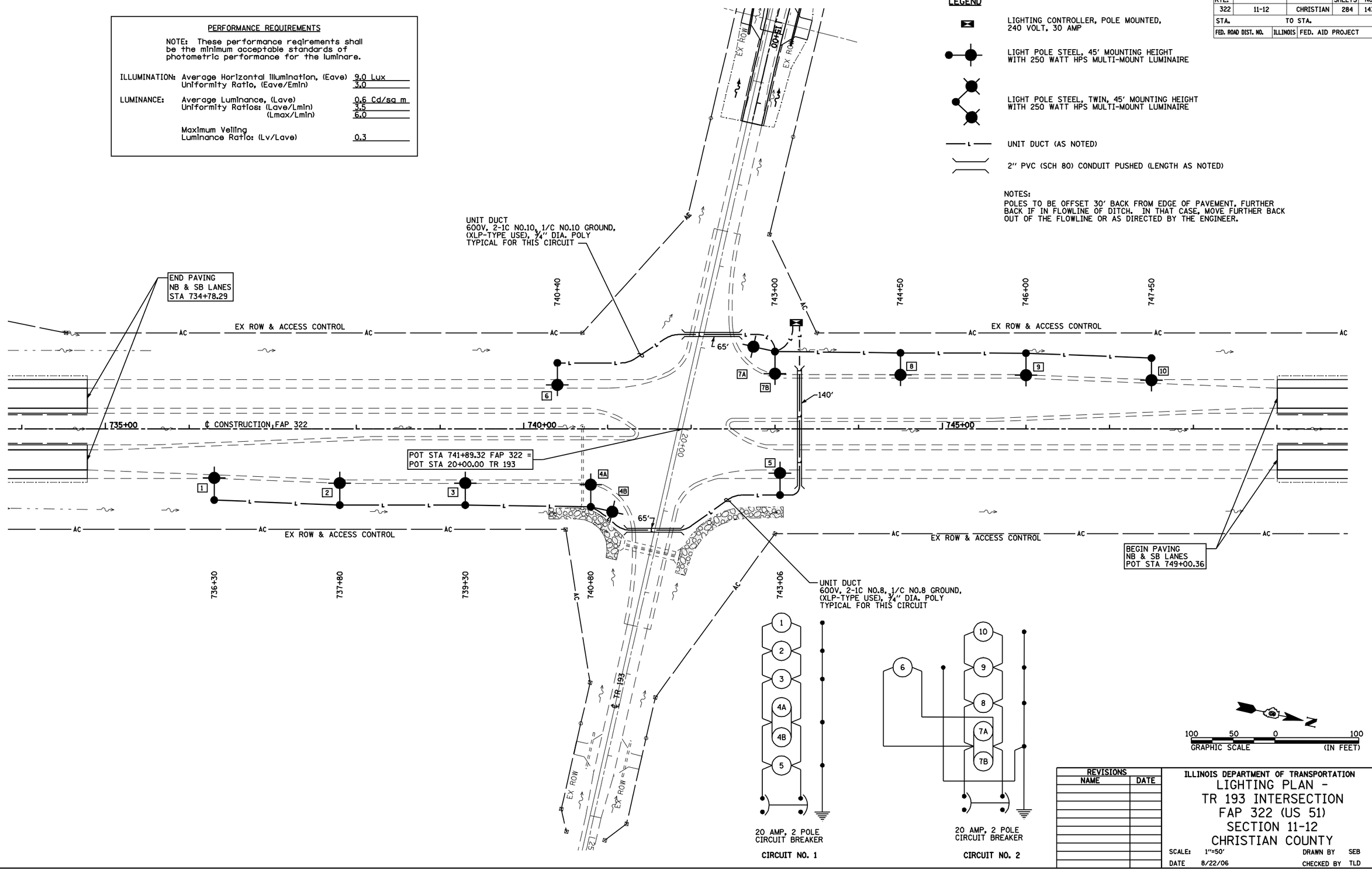
NOTE: These performance reqirements shall be the minimum acceptable standards of photometric performance for the luminare.

ILLUMINATION:	Average Horizontal Illumination, (Eave)	9.0 Lux
	Uniformity Ratio, (Eave/Emin)	3.0
LUMINANCE:	Average Luminance, (Lave)	0.6 Cd/sq m
	Uniformity Ratios: (Lave/Lmin)	3.5
	(Lmax/Lmin)	6.0
	Maximum Veiling Luminance Ratio: (Lv/Lave)	0.3

LEGEND

- LIGHTING CONTROLLER, POLE MOUNTED, 240 VOLT, 30 AMP
- LIGHT POLE STEEL, 45' MOUNTING HEIGHT WITH 250 WATT HPS MULTI-MOUNT LUMINAIRE
- LIGHT POLE STEEL, TWIN, 45' MOUNTING HEIGHT WITH 250 WATT HPS MULTI-MOUNT LUMINAIRE
- L — UNIT DUCT (AS NOTED)
- 2" PVC (SCH 80) CONDUIT PUSHED (LENGTH AS NOTED)

NOTES:
POLES TO BE OFFSET 30' BACK FROM EDGE OF PAVEMENT. FURTHER BACK IF IN FLOWLINE OF DITCH. IN THAT CASE, MOVE FURTHER BACK OUT OF THE FLOWLINE OR AS DIRECTED BY THE ENGINEER.



20 AMP, 2 POLE CIRCUIT BREAKER

CIRCUIT NO. 1

20 AMP, 2 POLE CIRCUIT BREAKER

CIRCUIT NO. 2

N

100 50 0 100
GRAPHIC SCALE (IN FEET)

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN - TR 193 INTERSECTION FAP 322 (US 51) SECTION 11-12 CHRISTIAN COUNTY

SCALE: 1"=50' DRAWN BY SEB

DATE 8/22/06 CHECKED BY TLD

May-15-2008 12:29:48 PM

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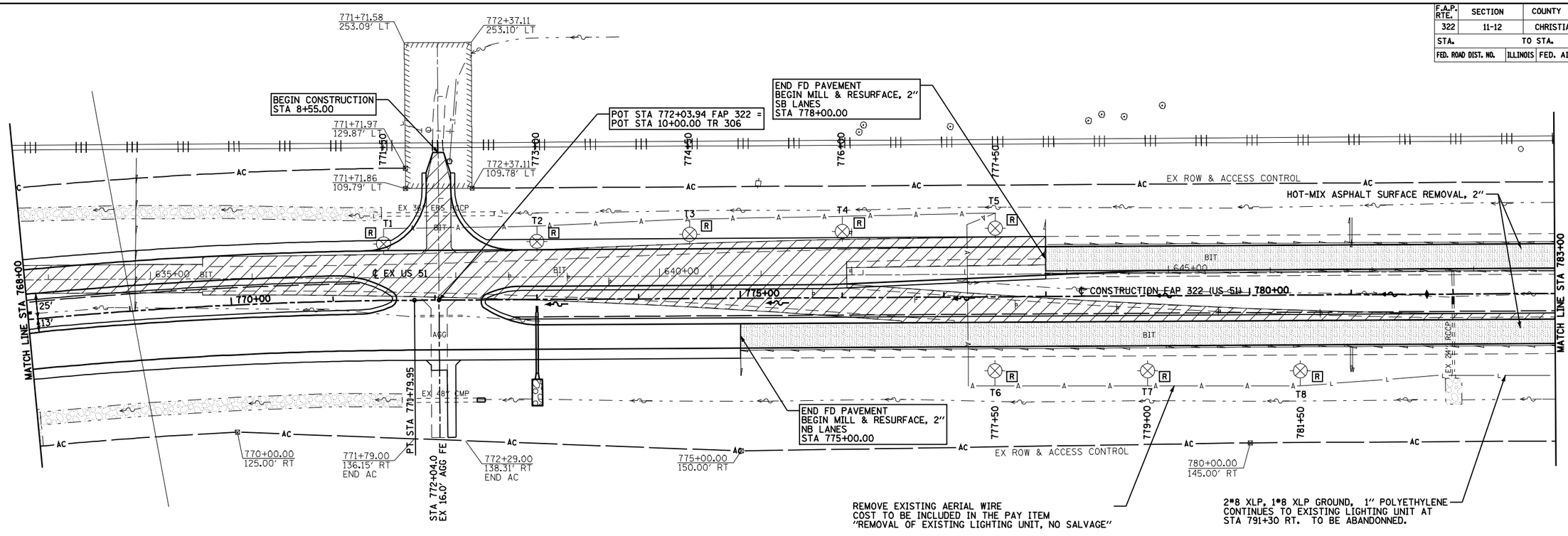
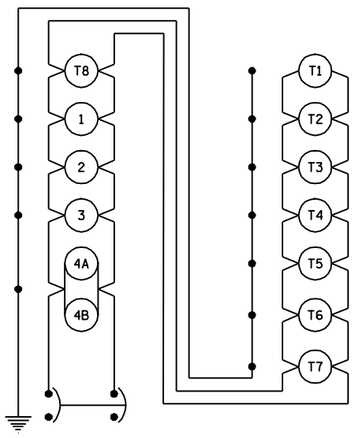
72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	144
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		





30 AMP, 2 POLE
CIRCUIT BREAKER

EXISTING CIRCUIT

CONTROLLER @ NE CORNER OF US 51 & TR 185

DISCONNECT EXISTING TEMPORARY LIGHTING UNITS FROM THE CIRCUIT

LEGEND

- EXISTING WOOD LIGHTING POLE, 50' CLASS 3 WITH 250 WATT HPS MULTI MOUNT LUMINAIRE. TO BE REMOVED
- EXISTING UNIT DUCT (AS NOTED)
- EXISTING AERIAL CABLE, 2-1/C#4, ALUMINUM WITH MESSENGER WIRE

100 50 0 100
GRAPHIC SCALE (IN FEET)

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN - REMOVAL @ EXIST CROSSOVER FAP 322 (US 51) SECTION 11-12 CHRISTIAN COUNTY

SCALE: 1"=50' DRAWN BY SEB

DATE 8/22/06 CHECKED BY TLD

FAP 322 (US 51) STA 768+00 TO STA 783+00

Mon-15-2006 12:29:36PM

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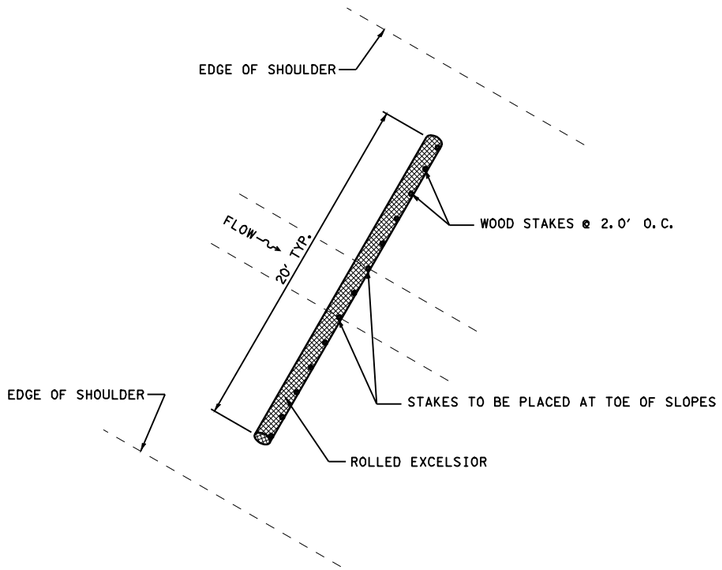
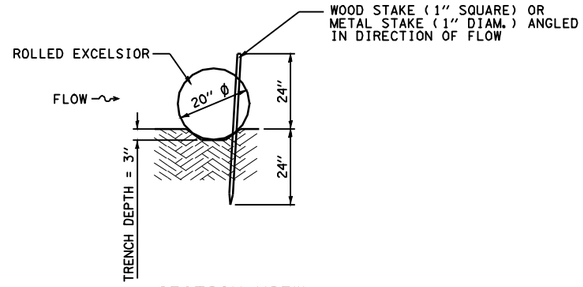
72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	145
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

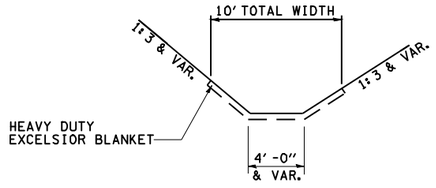


PLAN VIEW



SECTION VIEW

TEMPORARY DITCH CHECKS, ROLLED EXCELSIOR
(TYPICAL)



HEAVY DUTY EXCELSIOR BLANKET LIMITS
(TYPICAL)

SEE STANDARD 280001 FOR EROSION CONTROL DETAILS NOT SHOWN.

LEGEND

(FOR THE STORM WATER POLLUTION PREVENTION PLAN SHEETS)

ITEM	SYMBOL
TEMPORARY DITCH CHECKS, AGGREGATE (STD 280001) (AGGREGATE DITCH CHECKS, 3.0 TONS PER EACH)	
TEMPORARY DITCH CHECKS, ROLLED EXCELSIOR	T
INLET AND PIPE PROTECTION (STD 280001) [HAY BALES NOT ALLOWED]	
PERIMETER EROSION BARRIER	
EARTH EXCAVATION FOR EROSION CONTROL (SEDIMENT BASINS)	
PRESERVE EXISTING TREES, WOODLANDS, AND UNDERSTORY (OUTSIDE CONSTRUCTION LIMITS)	
ITEM PLACED AT BEGINNING OF CONSTRUCTION (Requirement)	* ITEM *
ITEM PLACED AS DIRECTED BY ENGINEER (When required by situation)	ITEM
DIRECTION OF OVERLAND FLOW	
EROSION CONTROL BLANKET	
ITEM PLACED DURING STAGE 1 CONSTRUCTION	(1)

GENERAL NOTES:

All items shall be constructed as shown on this sheet, on Standard 280001, and as directed by the Engineer.

Mulch shall be method 2, unless otherwise noted.

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STORM WATER POLLUTION PREVENTION PLAN
FAP 322 (US 51)
SECTION 11-12
CHRISTIAN COUNTY

SCALE: NONE DRAWN BY BGJ
DATE 8/22/06 CHECKED BY SEB

Mon-15-2010 12:29:49PM
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72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	146
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STORM WATER POLLUTION PREVENTION PLAN

Route: FAP 322 Marked: US 51

Section: 11-12 Project No.: NA

County: CHRISTIAN Contract No. 72932

This plan has been prepared to comply with the provision of the NPDES Permit Number ILR10_____ issued by the Illinois Environmental Protection Agency for storm water discharges from construction site activities.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gathered and evaluated the information submitted. Based on my inquire of the person or persons who manage the system, or those persons directly responsible for gathering the information submitted, is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Roger D Didlake (Signature) March 26, 2010 (Date)

Region 4 Engr. (Title)

Note: The above boxed in area will be filled out by IDOT - Construction after the award of the contract to obtain the required NPDES permit.

The following plan was established and included in these plans to direct the Contractor in the placement of temporary erosion control systems and to provide a storm water pollution prevention plan for compliance under NPDES. The Contractor shall abide to all requirements within this plan as part of the contract.

The purpose of this plan is to prevent / minimize siltation within the construction zone and to eliminate sediments from entering and leaving the construction zone by utilizing proper temporary erosion control systems and providing ground cover within a reasonable time.

Certain items, as shown in this plan and referenced by the legend, shall be placed by the Contractor at the beginning of construction. Other items shall be placed by the Contractor as directed by the Engineer on a case by case situation resulting from the Contractor's sequence of activities, time of the year, and expected weather conditions.

The Contractor shall place permanent erosion control systems and seeding within a reasonable amount of time; therefore, reducing the amount of area being open to the possibility of erosion and reducing the amount of temporary erosion control systems and temporary seeding. The Resident Engineer will determine if temporary erosion control systems shown in the plan can be deleted, the size of the proposed ditch checks, the proper method of installation, and if any additional temporary erosion control systems shall be added which are not included in this plan. The Contractor shall perform all work as directed by the Engineer and as shown in special details and in Standard 280001 of the plans.

The special provisions Temporary Seeding, Temporary Erosion Control Seeding, and Temporary Erosion Control additionally supplement this plan.

All disturbed areas having high potential for erosion, as determined by the Engineer, shall be temporarily seeded or permanently seeded by October 1, and shall not be reopened until after the winter shutdown period.

SITE DESCRIPTION

Description of Construction Activity:

1. The proposed project consists of new construction of a new four-lane expressway from 1.5 miles south of Assumption, around Assumption to the east, and ending 1.5 miles north of Assumption in Christian County.
2. This contract involves 2.9 miles of grading & paving and 1.2 miles of paving only of the four lane expressway.
3. A 6' by 3' box culvert will be constructed over the Sorghum Branch and a 8' by 2' box culvert will be constructed over a tributary to the Main Drainage Ditch. Several additional small drainage structures will be constructed through the limits of the project.

Description of Intended Sequence of Major Construction Activities Which Will Disturb Earth and Lead to Possible Erosion for Major Portions of the Construction Site:

1. Excavation will be completed to grade out for proposed roadway ditches and waterways, and to lower the existing ground elevation to meet the proposed roadway grade/vertical alignment.
2. Embankment will be completed in fill areas to raise the existing ground elevation to meet the proposed roadway grade/vertical alignment.
3. Drainage structures will be installed before and/or during the construction of the excavation and embankment to allow proper drainage across the proposed four lane facility.
4. Placement, maintenance, removal and proper clean-up of temporary erosion control, such as erosion control fence, hay or straw bale ditch checks, riprap ditch checks, sediment basins, temporary seeding, etc.
5. Placement of permanent erosion control, such as riprap ditch lining, riprap stilling basins, riprap dry dams, excelsior blanket, seeding, etc.
6. Final grading, paving and other miscellaneous items.
7. Stage construction of the above items will be required to maintain traffic as discussed previously herein.

Area of Construction Site:
The total drainage area entering and including the construction site is estimated to be 2180 acres (3.4 square miles) in which 104 acres will be disturbed by excavation, grading or other activities.

Other Reports, Studies and Plans which Aid in the Development of this Storm Water Pollution Prevention Plan as Referenced Documents:

1. Estimated run-off coefficients are contained in the project drainage study which were utilized for proposed placement of the temporary erosion control systems.*
2. Information on the soils within the site was obtained from field reviews which were utilized for proposed placement of the temporary erosion control systems.*
3. Site maps indicating drainage patterns and approximate slopes were contained in the project design report, USGS drainage maps, project drainage study, and project plan documents were all utilized for proposed placement of the temporary erosion control systems.

Drainage Tributaries Receiving Water from this Construction Site:

1. Big George Branch of the Sagamon River
2. Flat Branch of the Sagamon River
3. Sorghum Branch of the Sagamon River
4. Main Drainage Ditch / Lake Fork of the Sagamon River
5. Minor tributaries of the above

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STORM WATER POLLUTION PREVENTION PLAN
FAP 322 (US 51)
SECTION 11-12
CHRISTIAN COUNTY

SCALE: NONE DRAWN BY BGJ

DATE 8/22/06 CHECKED BY SEB

72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	147
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTROLS - EROSION CONTROLS AND SEDIMENT CONTROLS

Description of Stabilization Practices at the Beginning of Construction:

1. The area between the existing and proposed right-of-way/temporary easement boundaries and limits of the project will be improved and managed for the purposes of controlling erosion within the area, reducing water flow by temporary diversion and minimizing siltation into the construction zone, and establishing vegetative cover which will become permanent vegetation and act as an erosion barrier. Work at the beginning of construction will consist of the following:

   (a) Areas of existing vegetation (woods and grasslands) outside the proposed construction slope limits shall be identified for preserving and shall be protected from mowing, brush cutting, tree removal and other activities which would be detrimental to their maintenance and development.

   (b) Dead, diseased, or unsuitable vegetation within the site shall be removed as directed by the Engineer, along with required tree removal.

   (c) As soon as reasonable access is available (such as trees cleared) to all locations where water drains away from the project, sediment basins, riprap ditch checks, temporary ditch checks, and/or erosion control fence shall be installed as called out in this plan and directed by the Engineer.

   (d) Bare and sparsely vegetated ground in highly erodable areas as determined by the Engineer shall be temporarily seeded at the beginning of construction where no construction activities are immediately expected as stated in the special provision "Temporary Erosion Control Seeding".

   (e) Immediately after tree removal is completed in certain areas which are highly erodable areas as determined by the Engineer, the areas shall be temporarily seeded where no construction activities are immediately expected as stated in the special provision •Temporary Erosion Control Seeding•.

   (f) At locations where a significant amount of water drains into the construction zone from outside areas (adjacent landowners), erosion control fence, temporary ditch checks, or riprap ditch checks will be utilized to locally divert water, reduce flow rates, and collect outside siltation inside the right-of-way line. Erosion control items will not be allowed to be installed to cause flooding to upstream private property which could cause crop damages or other undesirable conditions.

2. Establishment of these temporary erosion control measures will have additional benefits to the project. Desirable grass seed will become established in these areas and will spread seeds onto the construction site until permanent seeding/mowing and overseeding can be complete.

3. A third benefit of these filter areas is that they will begin to provide a screen and buffer. They will help protect the construction site from winds and excess sun and mitigate construction noise and dust.

Description of Stabilization Practices During Construction:

1. During roadway construction, areas outside the construction slope limits as outlined previously herein shall be protected from damaging effects of construction. The Contractor shall not use this area for staging (except as designated on the plans or directed by the Engineer), parking of vehicles or construction equipment, storage of materials, or other construction related activities.
   (a) Within the construction zone, critical areas which have high flows of water as determined by the Engineer shall remain undisturbed until full scale construction is underway to prevent unnecessary soil erosion.
   (b) Top soil and earth stockpiles shall be temporarily seeded if they are to remain unused for more than fourteen days.
   (c) As the Contractor constructs a portion of roadway in a fill section, he/she shall follow the following steps as directed by the Engineer:

   I. Place temporary erosion control systems at locations where water leaves and enters the construction zone
   II. Temporarily seed highly erodable areas outside the construction slope limits
   III. Construct roadside ditches and provide temporary erosion control systems
   Iv. TemporarILy divert water around proposed culvert locations
   v. Build necessary embankment at culvert locations and then excavate and place culvert
   vI. Continue building up the embankment to the proposed grade while at the same time place permanent erosion control such as riprap ditch lining and conduct final shaping to the slopes

   (d) The Contractor shall immediately follow major earth moving operations with final grading equipment. After the major earth spread operation has moved to a new location, final grading shall be completed within fourteen days. If grading is not completed within fourteen days, all major earth moving operations will be stopped, as directed by the Engineer, until disturbed areas are final graded and seeded.

   (e) Excavated areas and embankments shall be permanently seeded when final graded. If not, they shall be temporarily seeded as stated in the special provision "Temporary Erosion Control Seeding".

   (f) Construction equipment shall be stored and fueled only at designated locations. All necessary measures shall be taken to contain any fuel or pollution run-off in compliance with EPA water quality regulations. Leaking equipment or supplies shall be immediately repaired or removed from the site.

   (g) The Resident Engineer shall inspect the project daily during activities and weekly or after large rains during the winter shutdown period. The project shall additionally be inspected by the Construction Field Engineer on a bi-weekly basis to determine that erosion control efforts are in place and effective and if other control work is necessary.

   (h) Sediment collected during construction by the various temporary erosion control systems shall be disposed of on the site on a regular basis as directed by the Engineer. The cost of this maintenance will be paid for in accordance with Article 109.04 of the Standard Specifications.

   (I) The temporary erosion control systems shall be removed as directed by the Engineer after use is no longer needed or no longer functioning. The costs of this removal shall be included in the unit bid price for the temporary erosion control system. No additional compensation will be allowed.

Description of Structural Practices After Final Grading:

1. Temporary erosion control systems shall be left in place with proper maintenance until permanent erosion control is in place and working properly and all proposed turf areas seeded and established with a proper stand.

2. Once permanent erosion control systems as proposed in the plans are functional and established, temporary items shall be removed, cleaned up, and disturbed turf reseeded. Temporary riprap ditch checks will be allowed to remain in place where approved by the Engineer.

Maintenance after Construction:

1. Construction is complete after acceptance is received at the final inspection.

2. Areas will be inspected on a regular basis by IDOT District 6 Bureau of Operations.

3. Maintenance crews will perform regular mowings to aid in keeping weeds down and establishing a good roadside seed stand.

4. Maintenance crews will also aid in any ditch lining maintenance or in any drainage problems.

5. All maintenance will be conducted at times when weather conditions will not cause site damage.

DOCUMENTATION

1. A report summarizing the scope of the inspection, name(s) and qualifications of personnel making the inspection, date(s) of the inspection, major observations relating to the implementation of this storm water pollution prevention plan, and actions taken in accordance with Section 4.b. shall be made and retained as part of the plan for at least three years after the date of inspection. The report shall be signed in accordance with part VI. G of the general permit.

2. If any violation of the provisions of this plan is identified during the conduct of the construction work covered by this plan, the Resident Engineer or Resident Technician shall complete and file an "Incident of Noncompliance (ION)" report for the identified violation. The Resident Engineer or Resident Technician shall use forms provided by the Illinois Environmental Protection Agency and shall include specific information on the noncompliance, actions which were taken to prevent any further causes of noncompliance, and a statement detailing any environmental impact which may have resulted from the noncompliance. All reports of noncompliance shall be signed by a responsible authority in accordance with Part VI. G. of the general permit. The report of noncompliance shall be mailed to the following address:

   Illinois Environmental Protection Agency
   Division of Water Pollution Control
   2200 Churchill Road, P.O. Box 19276
   Springfield, IL 62794-9276
   Attn: Compliance Assurance Section

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STORM WATER POLLUTION PREVENTION PLAN FAP 322 (US 51) SECTION 11-12 CHRISTIAN COUNTY

SCALE: NONE DRAWN BY BGJ

DATE 8/22/06 CHECKED BY SEB

Mon-15-2006 12:29:13PM

$FILE$

72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	148
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACTOR CERTIFICATION STATEMENT

This certification statement is part of the Storm Water Pollution Plan for the project described below in accordance with NPDES Permit No. ILR10_____, issued by the Illinois Environmental Protection Agency on _____.

Route: FAP 322 Marked: US 51

Section: 11-12 Project No.: NA

County: Christian Contract # 72932

I certify under penalty of law that I understand the terms of the general National Pollutant Discharge Elimination System (NPDES) permit that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification.

Signature_____ Date_____

Title_____

Name of Firm _____

Street Address_____

City, State, Zip_____

Phone Number_____

Note: The above boxed in area shall be filled out by the Contractor after the award of the contract to obtain the required NPDES Permit from IEPA. This is a requirement for this contract.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STORM WATER POLLUTION PREVENTION PLAN
FAP 322 (US 51)
SECTION 11-12
CHRISTIAN COUNTY

SCALE: NONE DRAWN BY BGJ

DATE 8/22/06 CHECKED BY SEB

Mar-15-2018 12:29:16PM

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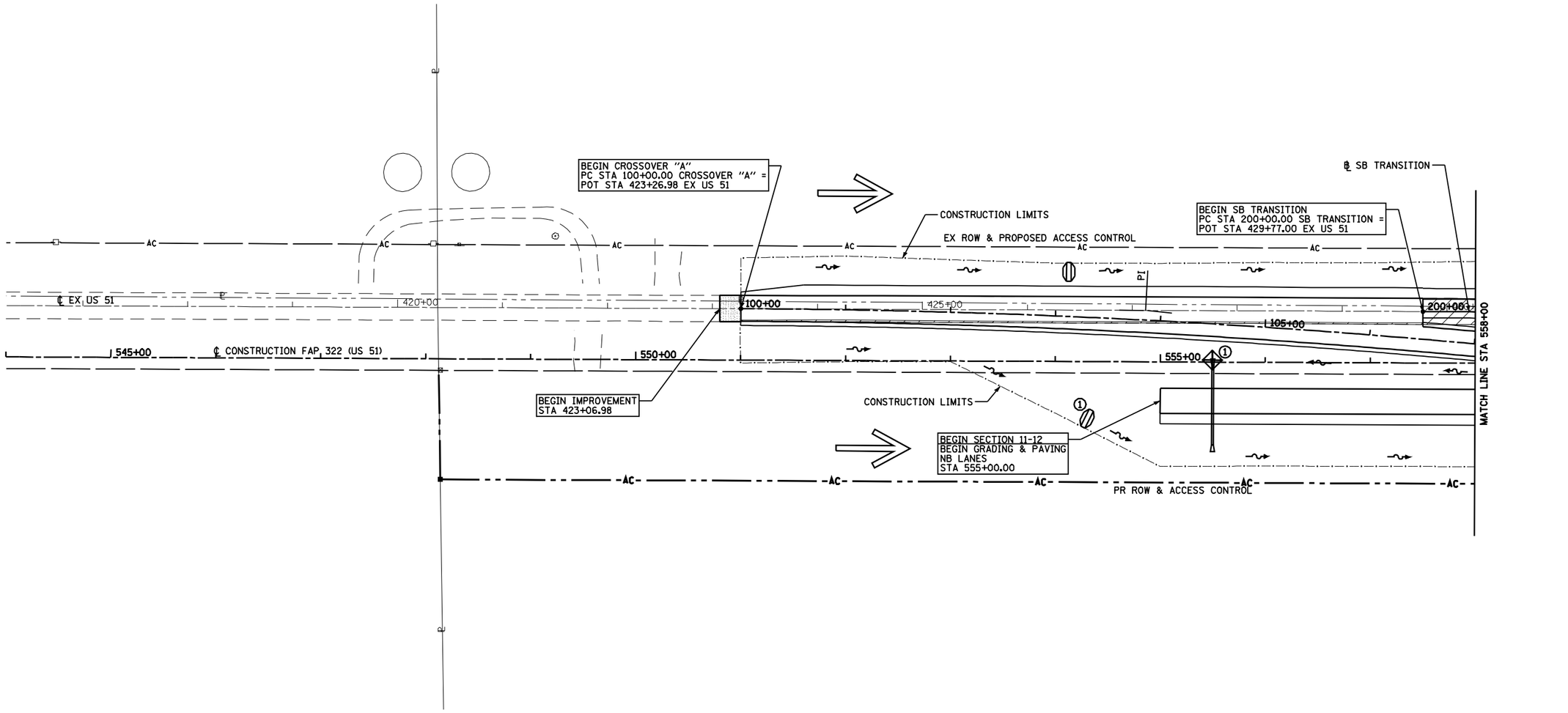
72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	149
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SE 1/4 SEC 14, T12N, R1E, 3RD PM

NE 1/4 SEC 14, T12N, R1E, 3RD PM



SW 1/4 SEC 13, T12N, R1E, 3RD PM

NW 1/4 SEC 13, T12N, R1E, 3RD PM

100 50 0 100
GRAPHIC SCALE (IN FEET)

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STORM WATER POLLUTION PREVENTION PLAN FAP 322 (US 51) SECTION 11-12 CHRISTIAN COUNTY

SCALE: 1"=50' DRAWN BY BGJ

DATE 8/22/06 CHECKED BY SEB

FAP 322 (US 51) STA 544+00 TO STA 558+00

Mon-15-2018 12:29:26PM

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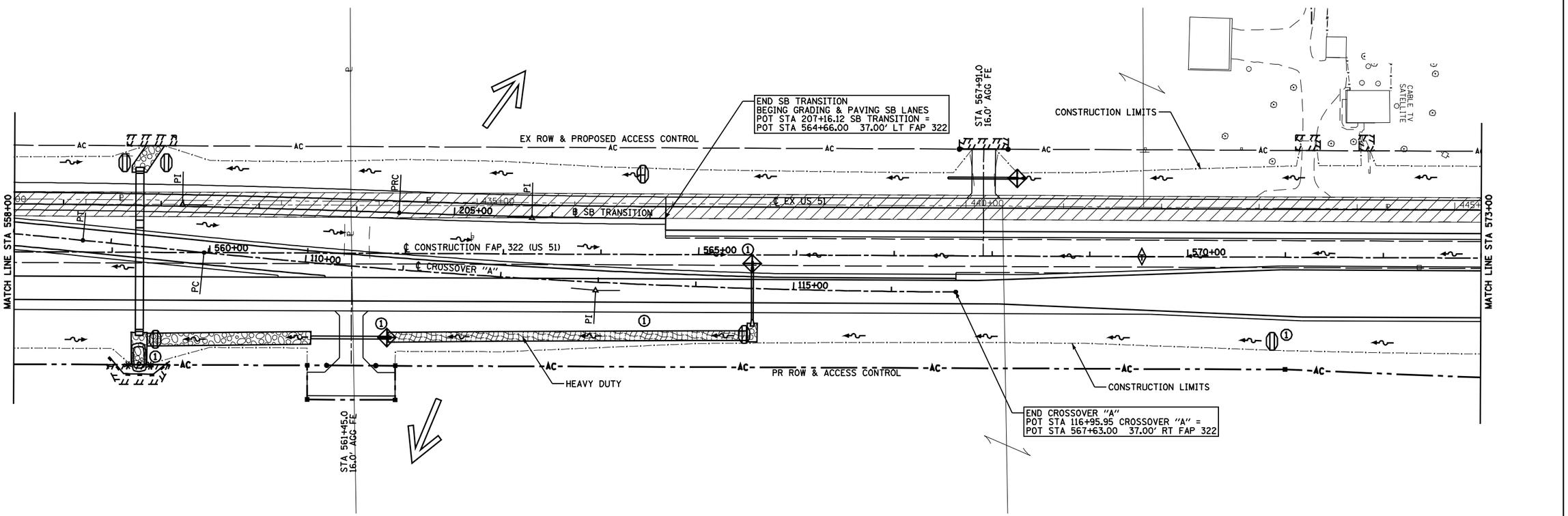
72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	150
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

NE 1/4 SEC 14, T12N, R1E, 3RD PM



NW 1/4 SEC 13, T12N, R1E, 3RD PM

N

100 50 0 100
GRAPHIC SCALE (IN FEET)

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STORM WATER POLLUTION PREVENTION PLAN FAP 322 (US 51) SECTION 11-12 CHRISTIAN COUNTY

SCALE: 1"=50' DRAWN BY BGJ

DATE 8/22/06 CHECKED BY SEB

FAP 322 (US 51) STA 558+00 TO STA 573+00

Mon-15-2018 12:29:28PM

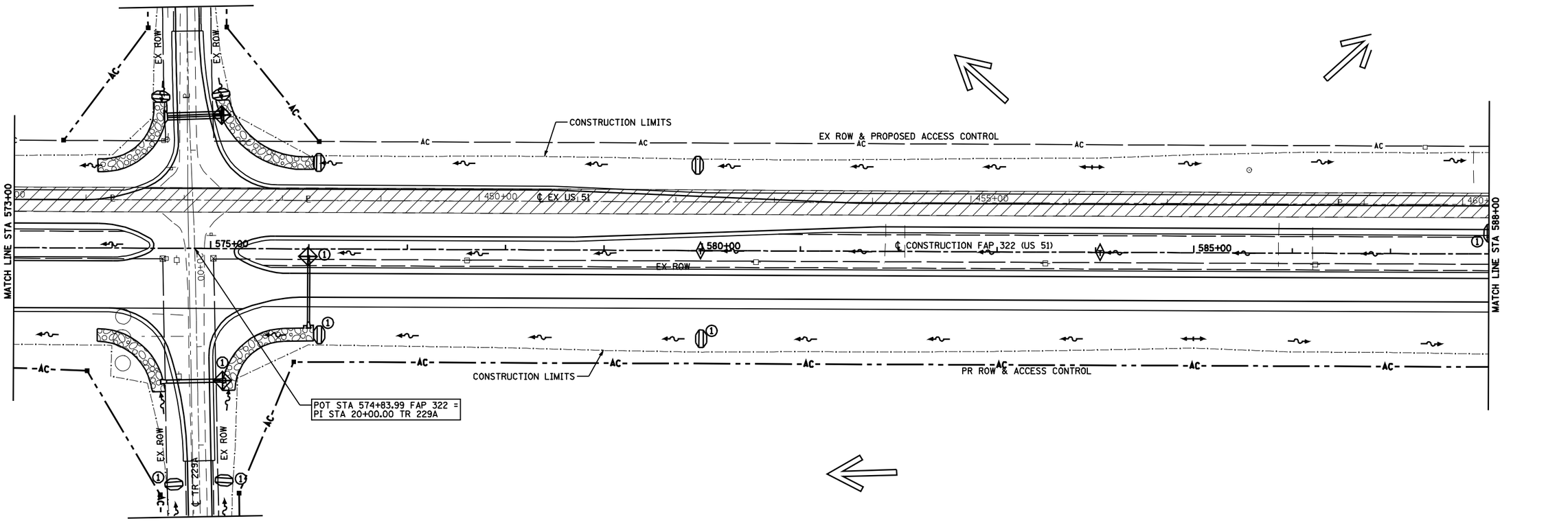
$FILE$

72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	151
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

NE 1/4 SEC 14, T12N, R1E, 3RD PM

SE 1/4 SEC 11, T12N, R1E, 3RD PM



NW 1/4 SEC 13, T12N, R1E, 3RD PM

SW 1/4 SEC 12, T12N, R1E, 3RD PM

100 50 0 100
GRAPHIC SCALE (IN FEET)

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STORM WATER POLLUTION PREVENTION PLAN FAP 322 (US 51) SECTION 11-12 CHRISTIAN COUNTY

SCALE: 1"=50' DRAWN BY BGJ

DATE 8/22/06 CHECKED BY SEB

FAP 322 (US 51) STA 573+00 TO STA 588+00

Mon-15-2018 12:29:30PM

#FILE#

72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	152
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SE 1/4 SEC 11, T12N, R1E, 3RD PM

NE 1/4 SEC 11, T12N, R1E, 3RD PM

℄ PRIVATE DRIVE 595

POC STA 595+04.51 FAP 322 =
POT STA 20+00.00 PRIVATE DRIVE 595

CONSTRUCTION LIMITS

EX ROW & PR ACCESS CONTROL

END HMA SURF REMOVAL, 2"
STA 474+75.00 EX US 51

END PAVEMENT REMOVAL
BEGIN HMA SURF REMOVAL, 2"
STA 473+74.00 EX US 51

MATCH LINE STA 588+00

℄ CONSTRUCTION FAP 322 (US 51)

PC STA 590+86.93

STA 589+10.0
16.0' AGG FE

STA 595+04.5
16.0' AGG FE
SKEW 10° RT AH

PR ACCESS CONTROL

PR ROW & ACCESS CONTROL

CONSTRUCTION LIMITS

MATCH LINE STA 603+00

STA 602+60.0
16.0' AGG FE

465+00 470+00 475+00 590+00 595+00 600+00

FAP 322 (US 51) CURVE #M1 DATA:
PI STA = 600+54.42
Δ = 25° 22' 36" (RT)
D = 1° 20' 00"
R = 4,297.18'
T = 967.49'
L = 1,903.25'
E = 107.57'
SE = 4.2%
PC STA = 590+86.93
PT STA = 609+90.18
SE ATTAINED STA 589+20 TO STA 591+50
(TR STA 589+20 TO STA 589+61)
SE REMOVED STA 609+27 TO STA 611+57
(TR STA 611+16 TO STA 611+57)

SW 1/4 SEC 12, T12N, R1E, 3RD PM

NW 1/4 SEC 12, T12N, R1E, 3RD PM

100 50 0 100
GRAPHIC SCALE (IN FEET)

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STORM WATER POLLUTION PREVENTION PLAN
FAP 322 (US 51)
SECTION 11-12
CHRISTIAN COUNTY

SCALE: 1"=50' DRAWN BY BGJ
DATE 8/22/06 CHECKED BY SEB

FAP 322 (US 51) STA 588+00 TO STA 603+00

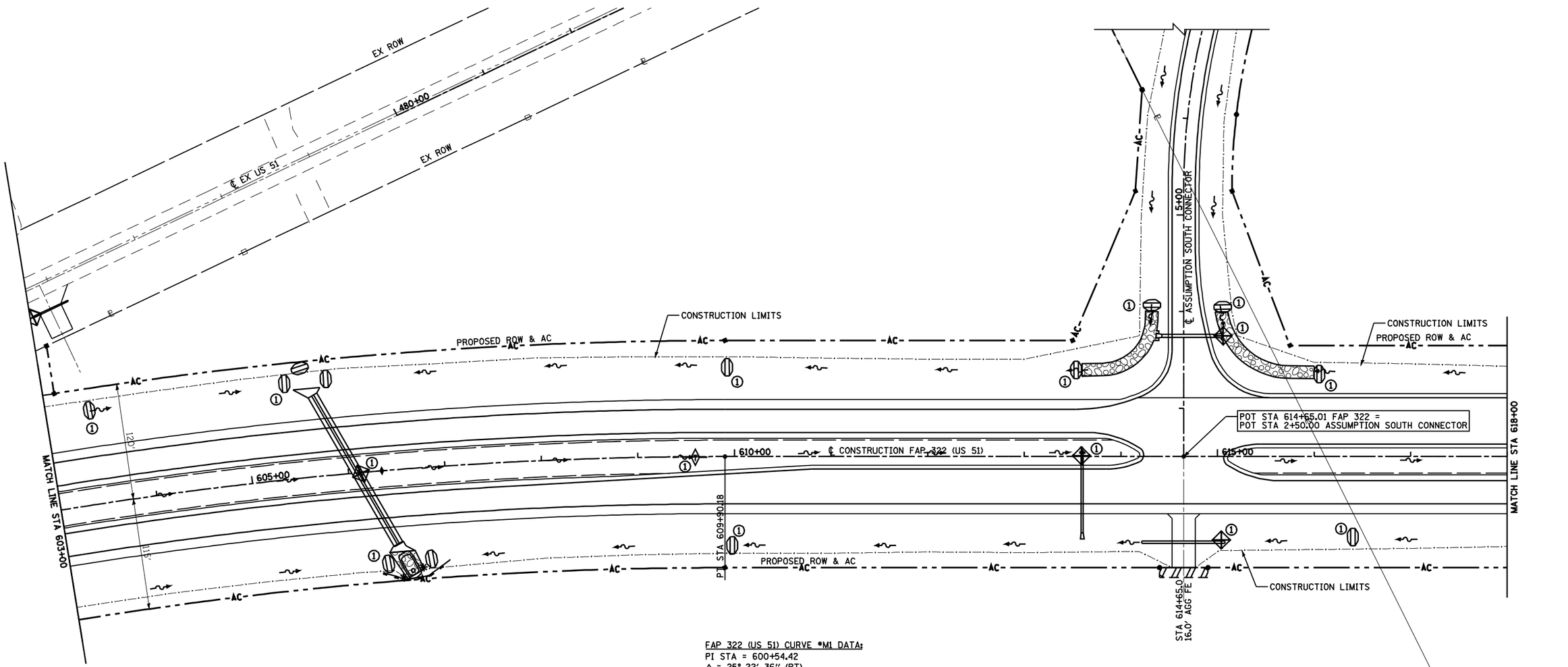
Mon-15-2018 12:29:32PM

$FILE$

72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	153
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

NE 1/4 SEC 11, T12N, R1E, 3RD PM



FAP 322 (US 51) CURVE *M1 DATA:
PI STA = 600+54.42
Δ = 25° 22' 36" (RT)
D = 1° 20' 00"
R = 4,297.18'
T = 967.49'
L = 1,903.25'
E = 107.57'
SE = 4.2%
PC STA = 590+86.93
PT STA = 609+90.18
SE ATTAINED STA 589+20 TO STA 591+50
(TR STA 589+20 TO STA 589+61)
SE REMOVED STA 609+27 TO STA 611+57
(TR STA 611+16 TO STA 611+57)

NW 1/4 SEC 12, T12N, R1E, 3RD PM

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STORM WATER POLLUTION PREVENTION PLAN FAP 322 (US 51) SECTION 11-12 CHRISTIAN COUNTY

SCALE: 1"=50' DRAWN BY BGJ

DATE 8/22/06 CHECKED BY SEB

FAP 322 (US 51) STA 603+00 TO STA 618+00

Mon-15-2018 12:29:39PM

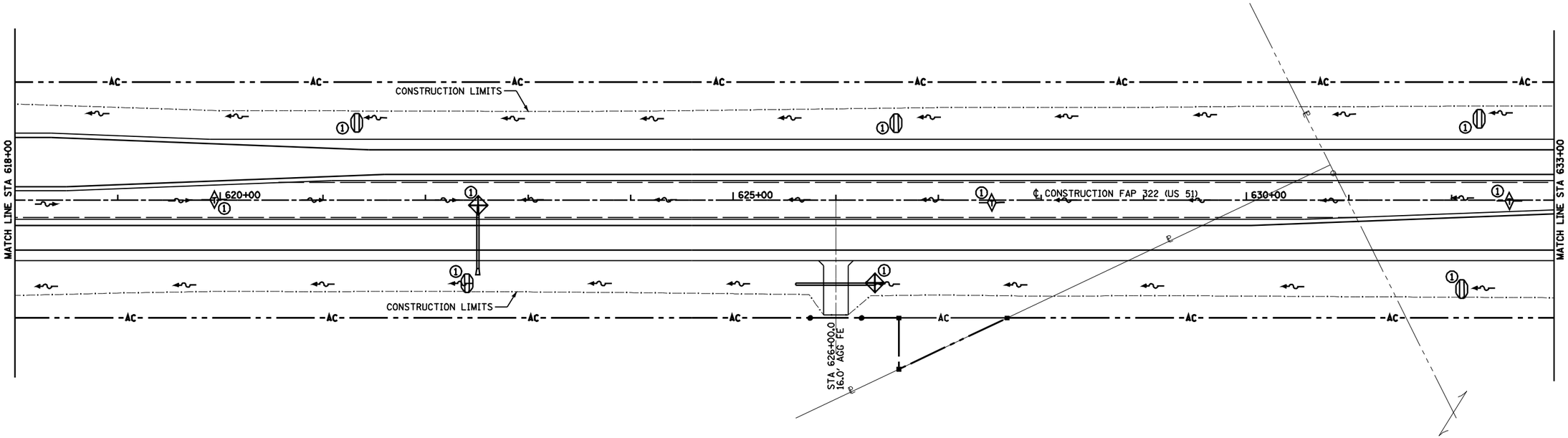
#FILE#

72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	154
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

NW 1/4 SEC 12, T12N, R1E, 3RD PM

SW 1/4 SEC 1, T12N, R1E, 3RD PM



NW 1/4 SEC 12, T12N, R1E, 3RD PM

100 50 0 100
GRAPHIC SCALE (IN FEET)

N

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STORM WATER POLLUTION PREVENTION PLAN FAP 322 (US 51) SECTION 11-12 CHRISTIAN COUNTY

SCALE: 1"=50' DRAWN BY BGJ

DATE 8/22/06 CHECKED BY SEB

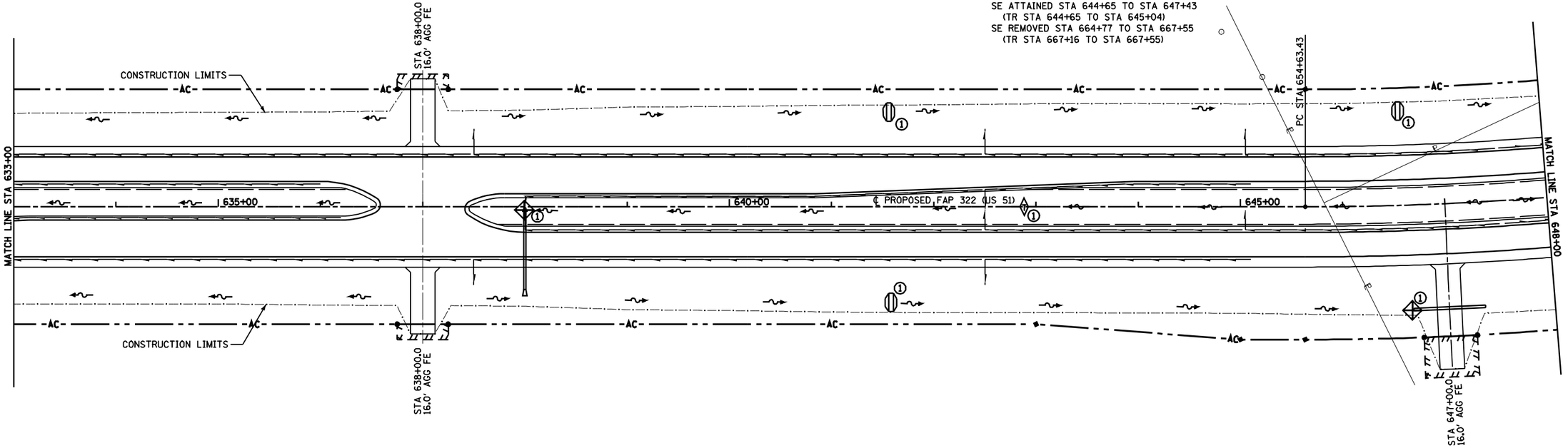
FAP 322 (US 51 STA 618+00 TO STA 633+00

72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	155
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SW 1/4 SEC 1, T12N, R1E, 3RD PM

FAP 322 (US 51) CURVE *M2 DATA:
PI STA = 655+98.31
Δ = 38° 03′ 53″ (LT)
D = 1° 54′ 35″
R = 3,000.00′
T = 1,034.88′
L = 1,993.07′
E = 173.48′
SE = 5.3%
PC STA = 645+63.43
PT STA = 665+56.50
SE ATTAINED STA 644+65 TO STA 647+43
(TR STA 644+65 TO STA 645+04)
SE REMOVED STA 664+77 TO STA 667+55
(TR STA 667+16 TO STA 667+55)



SW 1/4 SEC 1, T12N, R1E, 3RD PM

100 50 0 100
GRAPHIC SCALE (IN FEET)

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STORM WATER POLLUTION PREVENTION PLAN FAP 322 (US 51) SECTION 11-12 CHRISTIAN COUNTY

SCALE: 1"=50′ DRAWN BY BGJ
DATE 8/22/06 CHECKED BY SEB

FAP 322 (US 51 STA 633+00 TO STA 648+00

May-15-2018 12:29:39PM
#FILE#

72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	156
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FAP 322 (US 51) CURVE *M2 DATA:
PI STA = 655+98.31
Δ = 38° 03′ 53″ (LT)
D = 1° 54′ 35″
R = 3,000.00′
T = 1,034.88′
L = 1,993.07′
E = 173.48′
SE = 5.3%
PC STA = 645+63.43
PT STA = 665+56.50
SE ATTAINED STA 644+65 TO STA 647+43
(TR STA 644+65 TO STA 645+04)
SE REMOVED STA 664+77 TO STA 667+55
(TR STA 667+16 TO STA 667+55)

SW 1/4 SEC 1, T12N, R1E, 3RD PM

NW 1/4 SEC 1, T12N, R1E, 3RD PM

MATCH LINE STA 648+00

650+00

℄ CONSTRUCTION FAP 322 (US 51)

655+00

660+00

MATCH LINE STA 663+00

CONSTRUCTION LIMITS

PR ROW & ACCESS CONTROL

AC

POC STA 659+60.33 FAP 322 =
POT STA 50+82.09 ILLINOIS ST/TR 209

50+00

℄ ILLINOIS ST

55+00

SW 1/4 SEC 13, T12N, R1E, 3RD PM

SE 1/4 SEC 1, T12N, R1E, 3RD PM

100 50 0 100
GRAPHIC SCALE (IN FEET)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STORM WATER POLLUTION PREVENTION PLAN
FAP 322 (US 51)
SECTION 11-12
CHRISTIAN COUNTY

SCALE: 1″=50′ DRAWN BY BGJ
DATE 8/22/06 CHECKED BY SEB

FAP 322 (US 51 STA 648+00 TO STA 663+00

Mon-15-2018 12:29:42 PM

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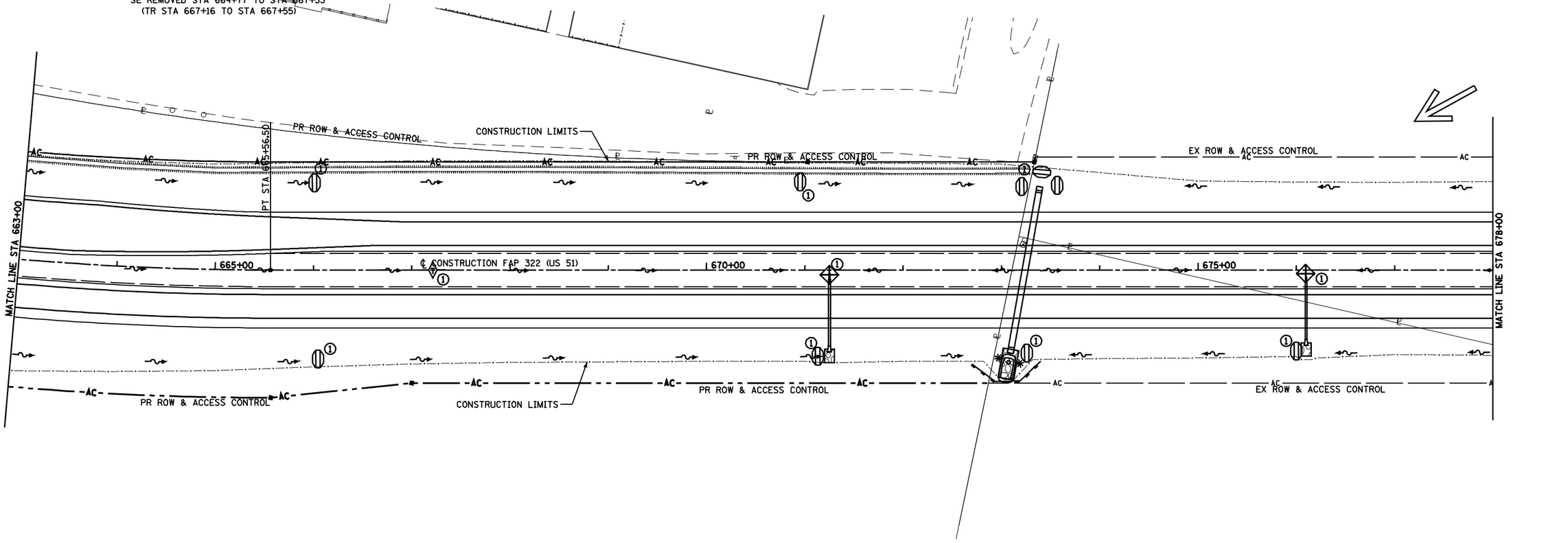
72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	157
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FAP 322 (US 51) CURVE *M2 DATA:
PI STA = 655+98.31
Δ = 38° 03′ 53″ (LT)
D = 1° 54′ 35″
R = 3,000.00′
T = 1,034.88′
L = 1,993.07′
E = 173.48′
SE = 5.3%
PC STA = 645+63.43
PT STA = 665+56.50
SE ATTAINED STA 644+65 TO STA 647+43
(TR STA 644+65 TO STA 645+04)
SE REMOVED STA 664+77 TO STA 667+55
(TR STA 667+16 TO STA 667+55)

NW 1/4 SEC 1, T12N, R1E, 3RD PM



NW 1/4 SEC 1, T12N, R1E, 3RD PM

100 50 0 100
GRAPHIC SCALE (IN FEET)

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STORM WATER POLLUTION PREVENTION PLAN
FAP 322 (US 51)
SECTION 11-12
CHRISTIAN COUNTY

SCALE: 1″=50′ DRAWN BY BGJ
DATE 8/22/06 CHECKED BY SEB

FAP 322 (US 51) STA 663+00 TO STA 678+00

Mon-15-2010 12:29:44 PM
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72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	158
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

NW 1/4 SEC 1, T12N, R1E, 3RD PM

SW 1/4 SEC 36, T13N, R1E, 3RD PM

CONSTRUCTION LIMITS

EX ROW & ACCESS CONTROL

AC

EX ROW

MATCH LINE STA 678+00

MATCH LINE STA 693+00

680+00

685+00

690+00

℄ CONSTRUCTION FAP 322 (US 51)

POT STA 687+18.29 FAP 322 =
POT STA 50+00.00 CH 6

50+00

℄ CH 6

NW 1/4 SEC 1, T12N, R1E, 3RD PM

SW 1/4 SEC 36, T13N, R1E, 3RD PM

100 50 0 100
GRAPHIC SCALE (IN FEET)

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STORM WATER POLLUTION PREVENTION PLAN
FAP 322 (US 51)
SECTION 11-12
CHRISTIAN COUNTY

SCALE: 1"=50' DRAWN BY BGJ

DATE 8/22/06 CHECKED BY SEB

FAP 322 (US 51) STA 678+00 TO STA 693+00

Mon-15-2018 12:29:46PM

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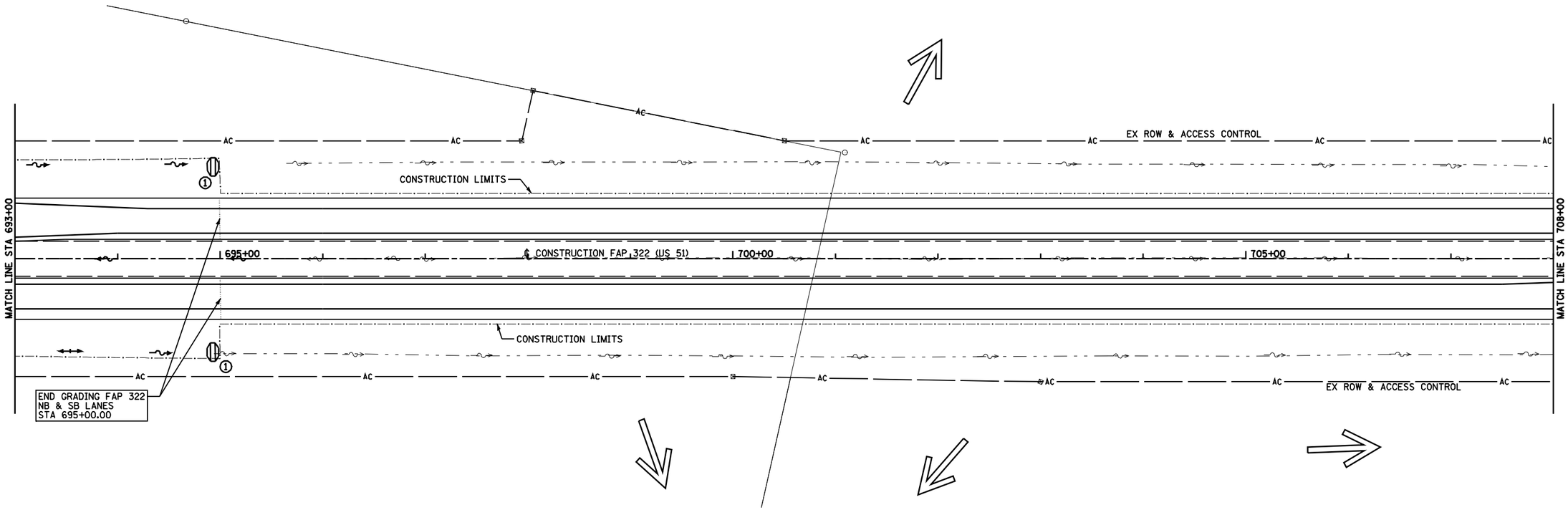
72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	159
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



NW 1/4 SEC 36, T13N, R1E, 3RD PM

N

100 50 0 100
GRAPHIC SCALE (IN FEET)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STORM WATER POLLUTION PREVENTION PLAN
FAP 322 (US 51)
SECTION 11-12
CHRISTIAN COUNTY

SCALE: 1"=50' DRAWN BY BGJ

DATE 8/22/06 CHECKED BY SEB

FAP 322 (US 51) STA 693+00 TO STA 708+00

Mon-15-2018 12:29:49 PM

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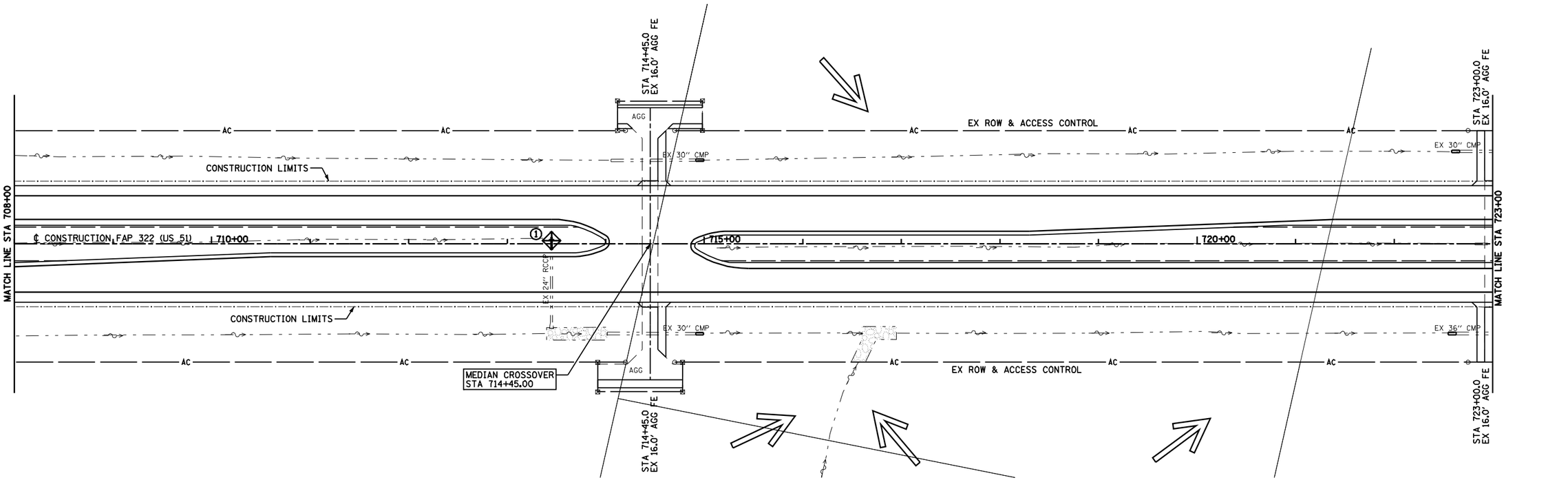
72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	160
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



NW 1/4 SEC 36, T13N, R1E, 3RD PM

100 50 0 100
GRAPHIC SCALE (IN FEET)

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STORM WATER POLLUTION PREVENTION PLAN
FAP 322 (US 51)
SECTION 11-12
CHRISTIAN COUNTY

SCALE: 1"=50' DRAWN BY BGJ
DATE 8/22/06 CHECKED BY SEB

FAP 322 (US 51) STA 708+00 TO STA 723+00

Mon-15-2018 12:29:51PM

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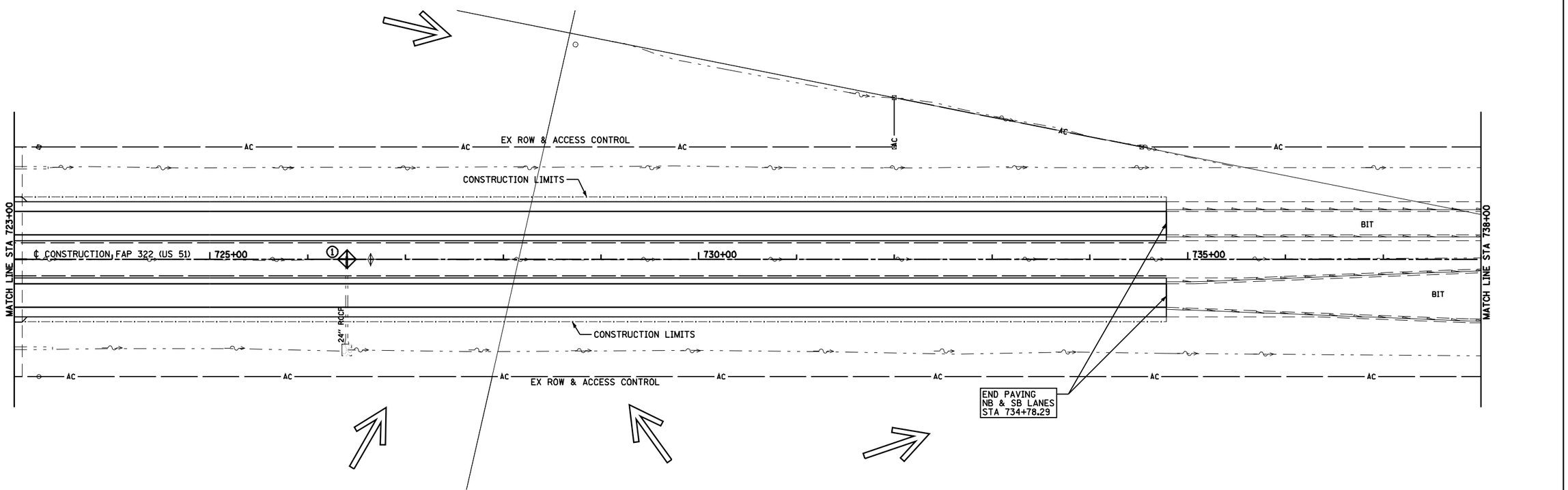
72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	161
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



NW 1/4 SEC 36, T13N, R1E, 3RD PM

100 50 0 100
GRAPHIC SCALE (IN FEET)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STORM WATER POLLUTION PREVENTION PLAN
FAP 322 (US 51)
SECTION 11-12
CHRISTIAN COUNTY

SCALE: 1"=50' DRAWN BY BGJ
DATE 8/22/06 CHECKED BY SEB

FAP 322 (US 51) STA 723+00 TO STA 738+00

May-15-2018 12:29:53 PM
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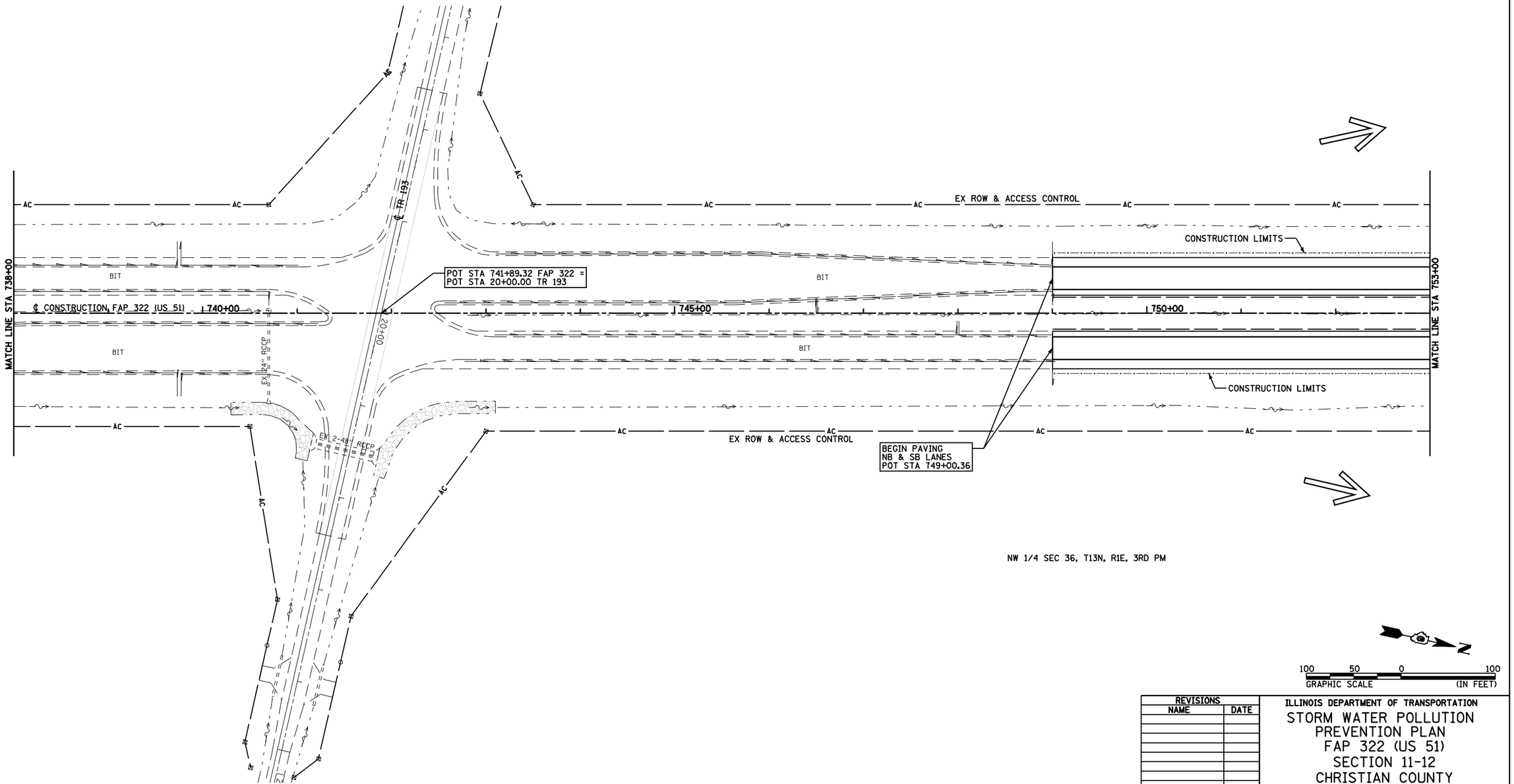
72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	162
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



NW 1/4 SEC 36, T13N, R1E, 3RD PM

100 50 0 100
GRAPHIC SCALE (IN FEET)

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STORM WATER POLLUTION PREVENTION PLAN FAP 322 (US 51) SECTION 11-12 CHRISTIAN COUNTY

SCALE: 1"=50' DRAWN BY BGJ

DATE 8/22/06 CHECKED BY SEB

FAP 322 (US 51) STA 738+00 TO STA 753+00

May-15-2018 12:29:55PM

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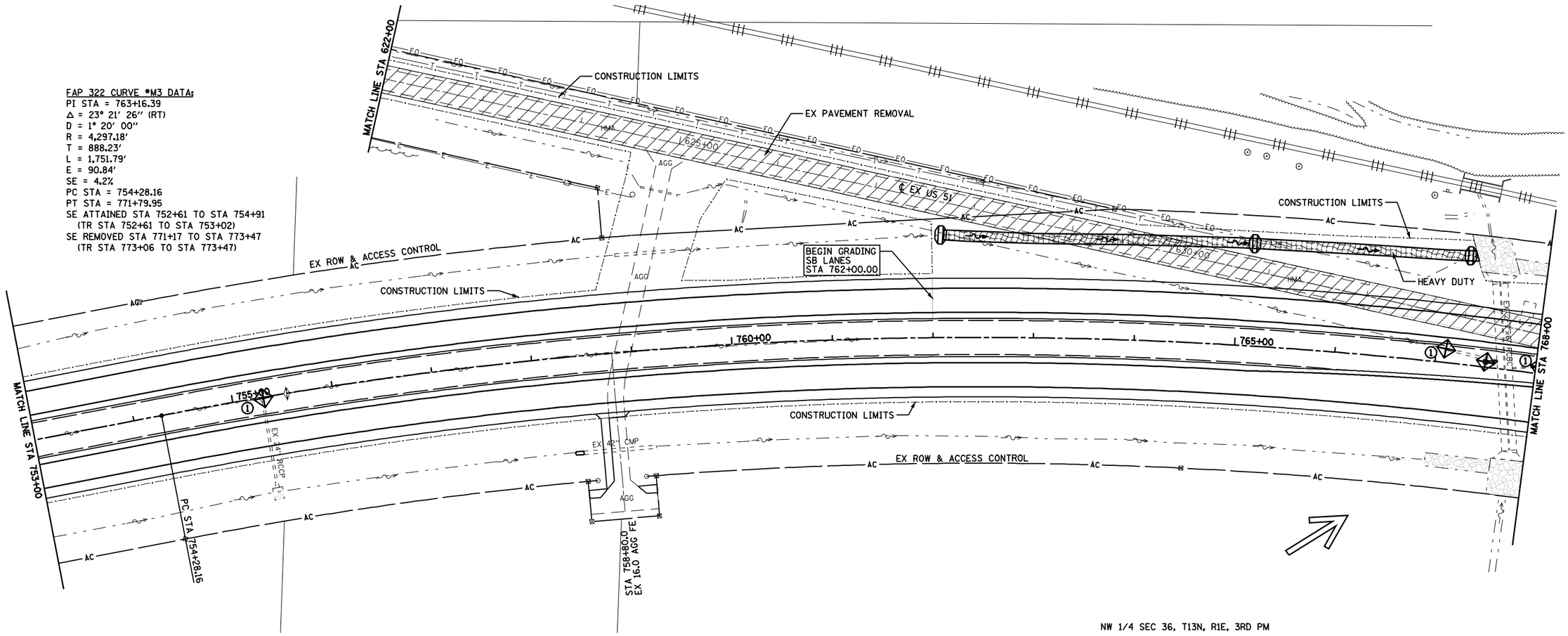
72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	163
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FAP 322 CURVE *M3 DATA:
PI STA = 763+16.39
Δ = 23° 21′ 26″ (RT)
D = 1° 20′ 00″
R = 4,297.18′
T = 888.23′
L = 1,751.79′
E = 90.84′
SE = 4.2%
PC STA = 754+28.16
PT STA = 771+79.95
SE ATTAINED STA 752+61 TO STA 754+91
(TR STA 752+61 TO STA 753+02)
SE REMOVED STA 771+17 TO STA 773+47
(TR STA 773+06 TO STA 773+47)



NW 1/4 SEC 36, T13N, R1E, 3RD PM

100 50 0 100
GRAPHIC SCALE (IN FEET)

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STORM WATER POLLUTION PREVENTION PLAN
FAP 322 (US 51)
SECTION 11-12
CHRISTIAN COUNTY

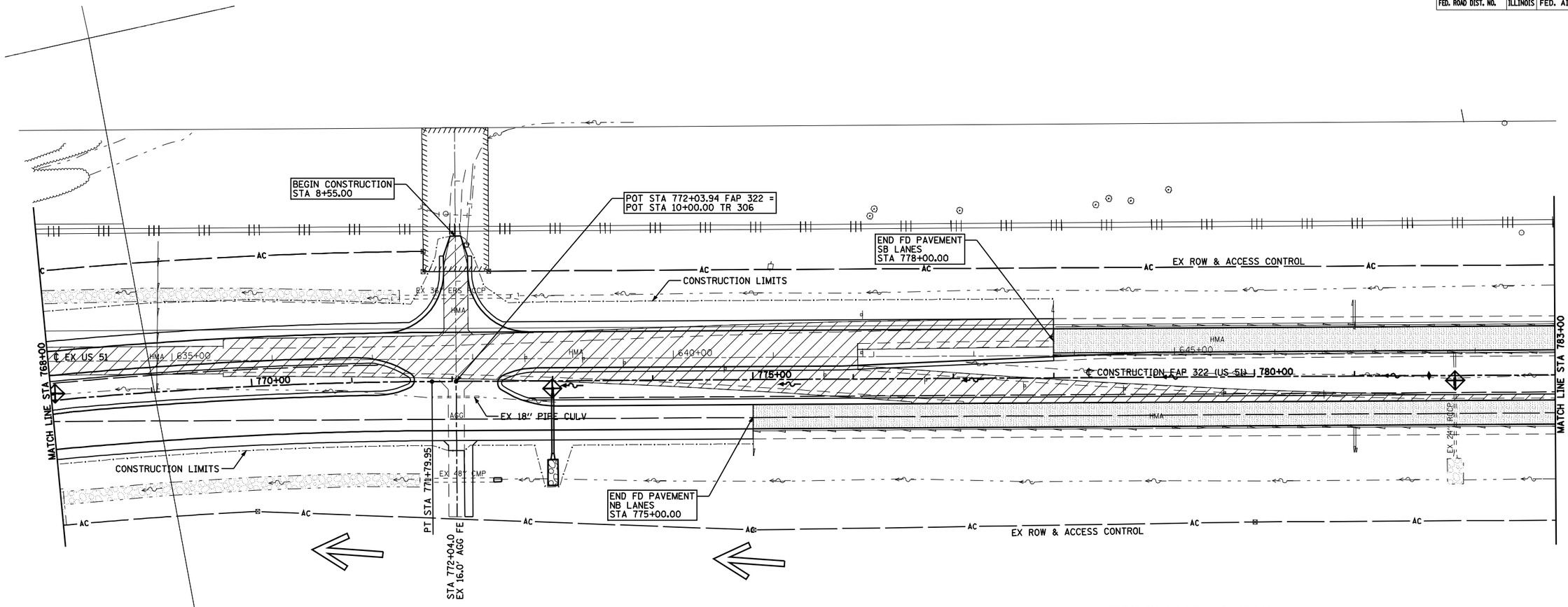
SCALE: 1″=50′ DRAWN BY BGJ
DATE 8/22/06 CHECKED BY SEB

FAP 322 (US 51) STA 753+00 TO STA 768+00

Mon-15-2010 12:29:57 PM
$FILE$

72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	164
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



NW 1/4 SEC 36, T13N, R1E, 3RD PM

FAP 322 CURVE *M3 DATA:
PI STA = 763+16.39
Δ = 23° 21′ 26″ (RT)
D = 1° 20′ 00″
R = 4,297.18′
T = 888.23′
L = 1,751.79′
E = 90.84′
SE = 4.2%
PC STA = 754+28.16
PT STA = 771+79.95
SE ATTAINED STA 752+61 TO STA 754+91
(TR STA 752+61 TO STA 753+02)
SE REMOVED STA 771+17 TO STA 773+47
(TR STA 773+06 TO STA 773+47)

100 50 0 100
GRAPHIC SCALE (IN FEET)

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STORM WATER POLLUTION PREVENTION PLAN
FAP 322 (US 51)
SECTION 11-12
CHRISTIAN COUNTY

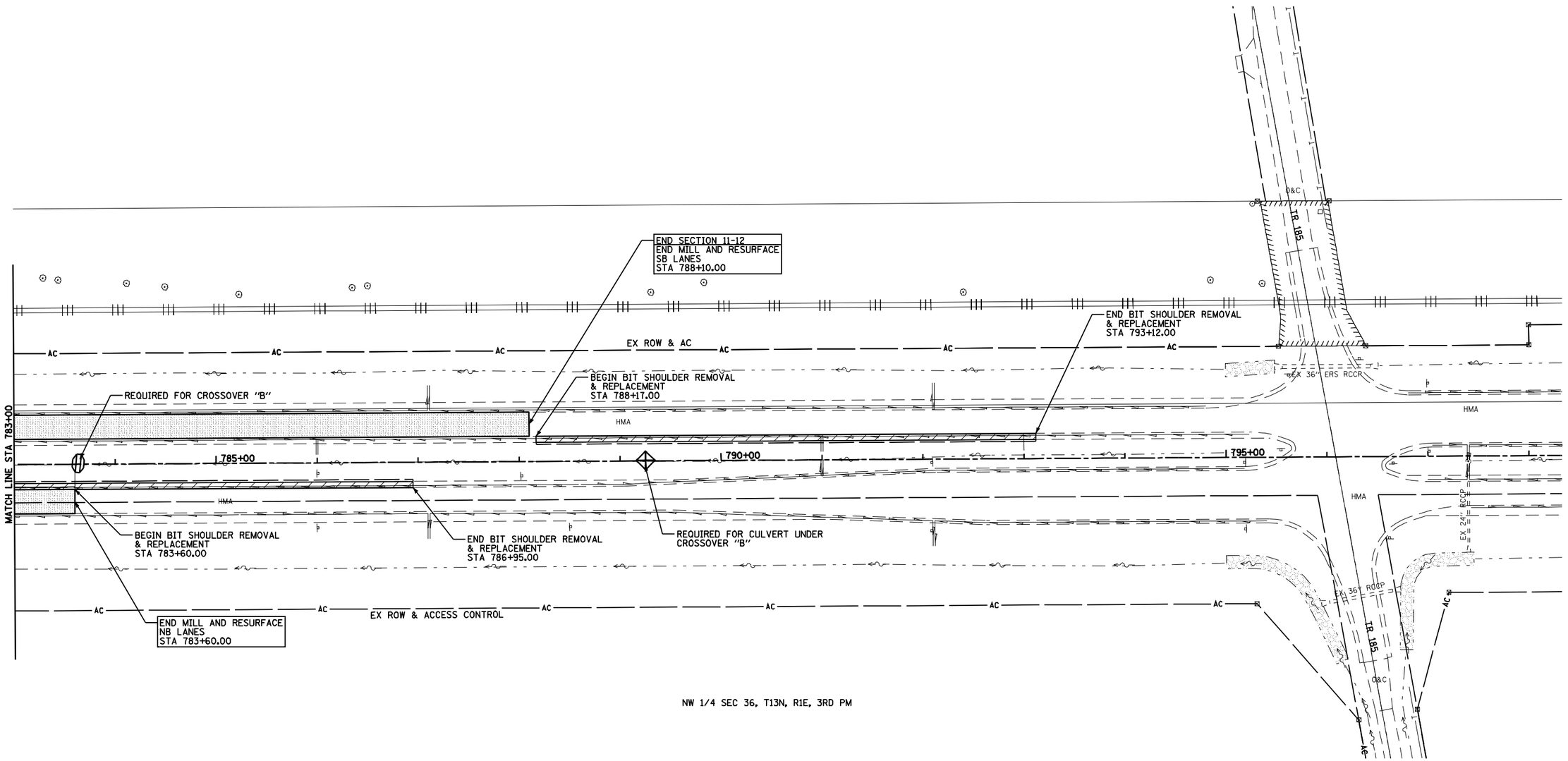
SCALE: 1″=50′ DRAWN BY BGJ
DATE 8/22/06 CHECKED BY SEB

FAP 322 (US 51) STA 768+00 TO STA 783+00

FILE
Mon-15-2018 12:30:00PM

72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	165
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



NW 1/4 SEC 36, T13N, R1E, 3RD PM

N

100 50 0 100
GRAPHIC SCALE (IN FEET)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STORM WATER POLLUTION PREVENTION PLAN
FAP 322 (US 51)
SECTION 11-12
CHRISTIAN COUNTY

SCALE: 1"=50' DRAWN BY BGJ

DATE 8/22/06 CHECKED BY SEB

FAP 322 (US 51) STA 783+00 TO STA 798+00

Mar-15-2010 12:30:03PM

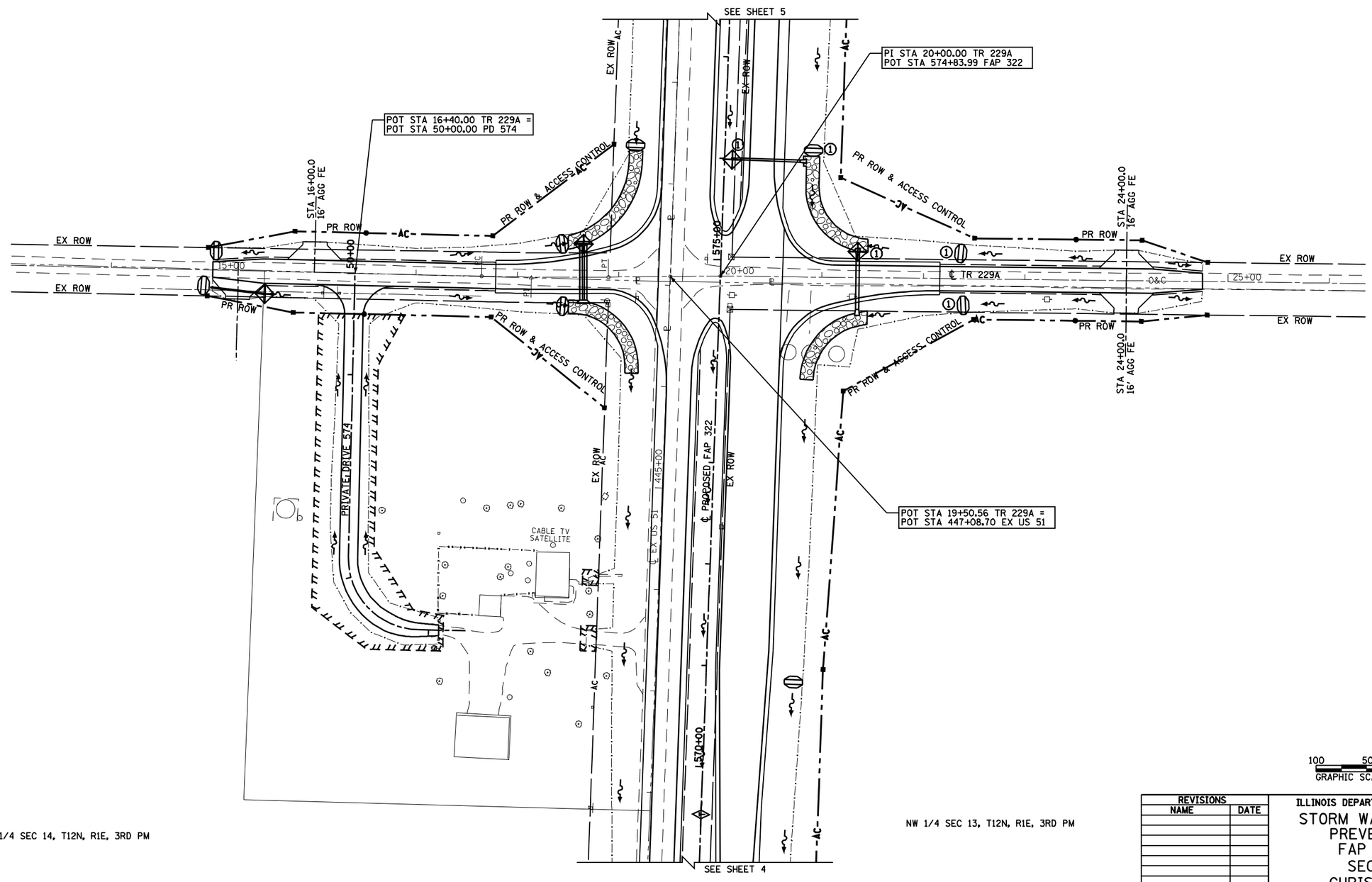
$FILE$

72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	166
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SE 1/4 SEC 11, T12N, R1E, 3RD PM

SW 1/4 SEC 12, T12N, R1E, 3RD PM



NE 1/4 SEC 14, T12N, R1E, 3RD PM

NW 1/4 SEC 13, T12N, R1E, 3RD PM

N

100 50 0 100
GRAPHIC SCALE (IN FEET)

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STORM WATER POLLUTION PREVENTION PLAN FAP 322 (US 51) SECTION 11-12 CHRISTIAN COUNTY

SCALE: 1"=50' DRAWN BY BGJ

DATE . CHECKED BY .

TR 229A & PRIVATE DRIVE 574

Mon-15-2018 12:38:08PM

$FILE$

72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	167
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

US 51

EX ROW

EX ROW

STATION EQUATION:
POC STA 485+18.70 BK =
PC STA 1+00.00 AH

NE 1/4 SEC 11, T12N, R1E, 3RD PM

485+00

BEGIN CONSTRUCTION
BEGIN PAVEMENT REMOVAL
STA 485+00.00

CONSTRUCTION LIMITS

PI

PI

CONSTRUCTION LIMITS

℄ SERVICE DRIVE 614

PT

490+00

STATION EQUATION:
PT STA 1353+57.50 BK =
PT STA 493+66.25 AH

110+00

POT STA 614+65.01 FAP 322 =
POT STA 2+50.00 (ASSUMPTION SOUTH CONNECTOR)

℄ ASSUMPTION SOUTH CONNECTOR

AC

AC

AC

PR ROW & AC

SEE SHEET 7

120

115+00

POC STA 8+38.70 ASSUMPTION SOUTH CONNECTOR =
POT STA 4+37.88 SERVICE DRIVE 614

CONSTRUCTION LIMITS

STA 493+70.0
16.0' AGG FE

495+00

END CONSTRUCTION
END PAVEMENT REMOVAL
STA 495+00.00

EX ROW

PAUL H. YOUNG & NANCY BROWN

PR ROW & AC

105+00

STA 615+05.0
16' FE

EX ROW

N

NW 1/4 SEC 12, T12N, R1E, 3RD PM

SEE SHEET 7

100 50 0 100
GRAPHIC SCALE (IN FEET)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STORM WATER POLLUTION PREVENTION PLAN
FAP 322 (US 51)
SECTION 11-12
CHRISTIAN COUNTY

SCALE: 1"=50' DRAWN BY BGJ

DATE . CHECKED BY .

ASSUMPTION SOUTH CONNECTOR & SERVICE DRIVE 614

Mon-15-2018 12:30:08PM

$FILE$

72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	168
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

HILER FARMS, INC

PR TR 193 CURVE DATA:
PI STA = 13+48.95
Δ = 4° 21′ 36″ (RT)
D = 2° 17′ 31″
R = 2,500.00′
T = 95.17′
L = 190.24′
E = 1.81′
SE = NONE
PC STA = 12+53.78
PRC STA = 14+44.02

BEGIN CONSTRUCTION
PC STA 12+53.78 =
POT STA 18+94.43 EX TR 193

POT STA 13+59.63 EX TR 193 =
POT STA 607+78.70 EX US 51

POT STA 20+00.00 EX TR 193 =
POT STA 607+86.46 EX US 51

CONSTRUCTION LIMITS

EX ROW

PI

HMA

℄ EX US 51

610+00

615+00

620+00

CONSTRUCTION LIMITS

EX PAVEMENT REMOVAL

EX ROW

MATCH LINE STA 622+00 (SHEET ##)

PRC

PR TR 193 CURVE DATA:
PI STA = 15+04.12
Δ = 2° 45′ 15″ (LT)
D = 2° 17′ 31″
R = 2,500.00′
T = 60.10′
L = 120.18′
E = 0.72′
SE = NONE
PRC STA = 14+44.02
PT STA = 15+64.20

STA 15+00.0
16′ AGG FE

1500

PT STA 15+64.20 =
POT STA 15+64.20 EX TR 193

SW ¼ SEC 25, T13N, R1E, 3RD PM

GEORGE M. HILER
PENNY B. HILER

VIVIAN WENDLING

END CONSTRUCTION
POT STA 16+25.00

N

100 50 0 100
GRAPHIC SCALE (IN FEET)

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STORM WATER POLLUTION PREVENTION PLAN
FAP 322 (US 51)
SECTION 11-12
CHRISTIAN COUNTY

SCALE: 1″=50′ DRAWN BY BGJ
DATE CHECKED BY

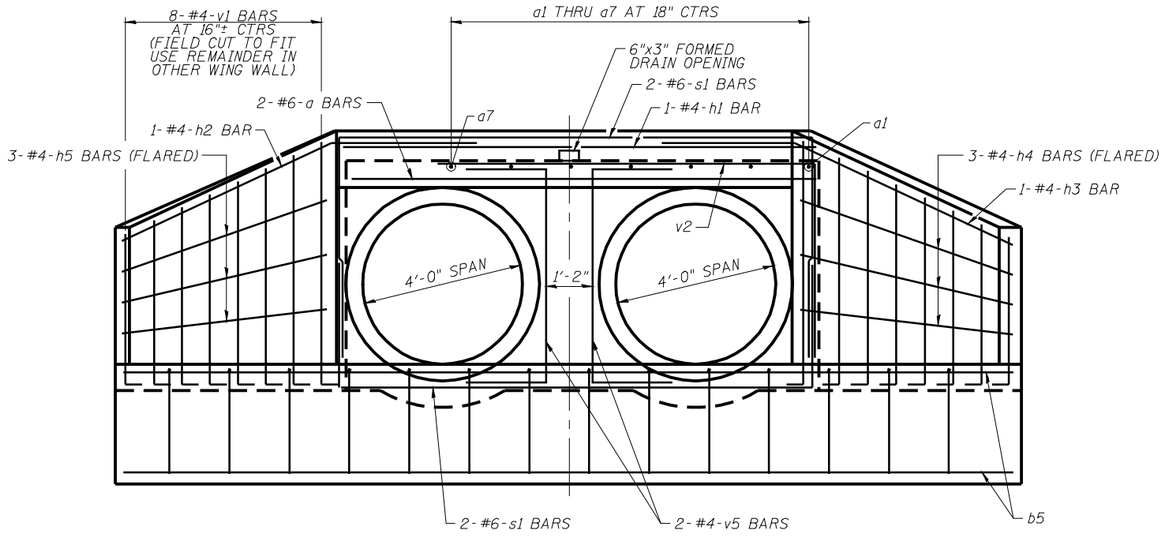
TR 193 & EX US 51

Mon-15-2018 12:38:18PM

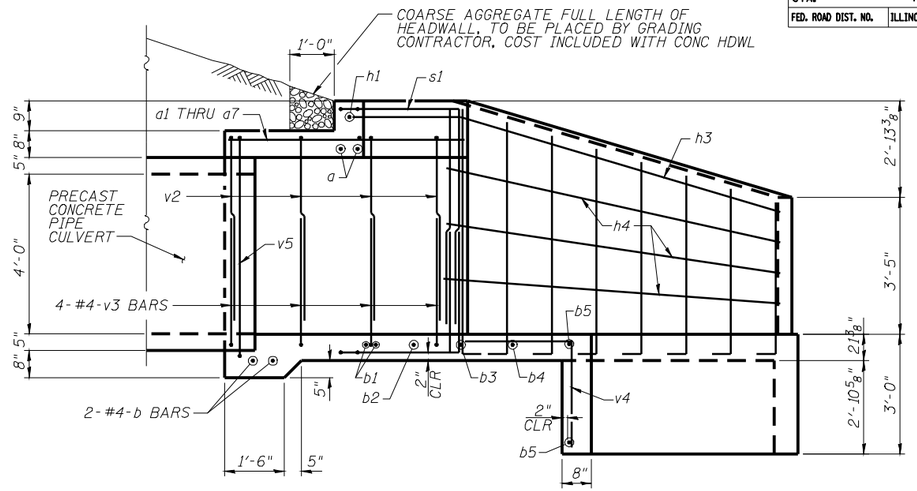
*FILE#

72932

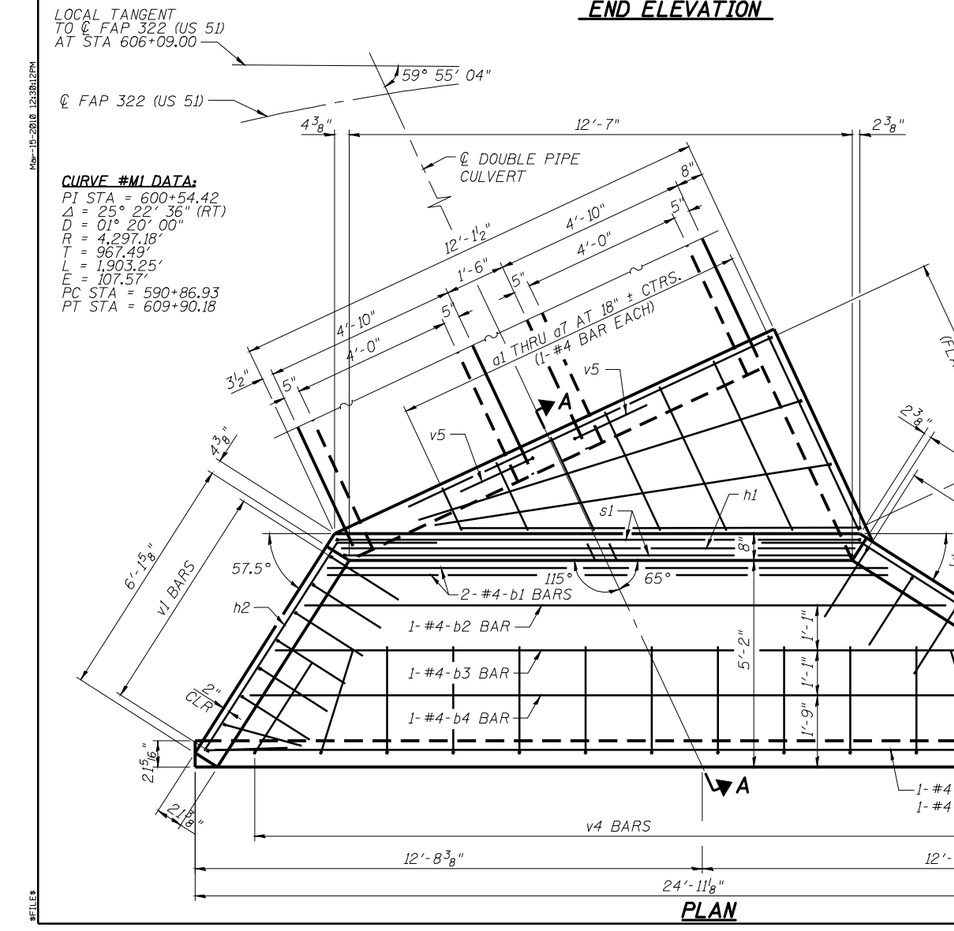
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	169
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



END ELEVATION

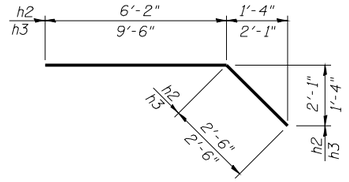


SECTION A-A

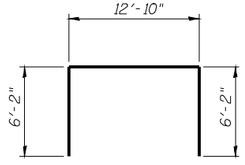


PLAN

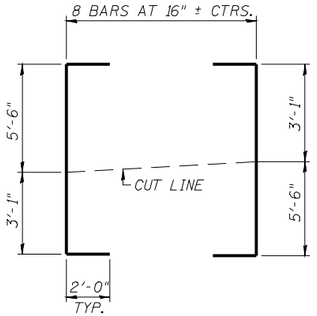
CURVE #M1 DATA:
PI STA = 600+54.42
Δ = 25° 22' 36" (RT)
D = 01° 20' 00"
R = 4,297.18'
T = 967.49'
L = 1,903.25'
E = 107.57'
PC STA = 590+86.93
PT STA = 609+90.18



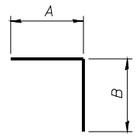
BAR h2 & h3



BAR s1

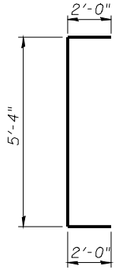


FIELD CUTTING DIAGRAM BARS v1



Bar	A	B
v2	10'-0"	4'-9"
v3	10'-0"	3'-5"
v4	2'-8"	2'-8"

BARS v2 THRU v4



BAR v5

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	2	#6	13'-0"	—
a1	1	#4	5'-0"	—
a2	1	#4	4'-4"	—
a3	1	#4	3'-8"	—
a4	1	#4	3'-0"	—
a5	1	#4	2'-4"	—
a6	1	#4	1'-8"	—
a7	1	#4	1'-0"	—
b	2	#4	11'-7"	—
b1	2	#4	14'-0"	—
b2	1	#4	16'-7"	—
b3	1	#4	19'-0"	—
b4	1	#4	21'-6"	—
b5	2	#4	24'-4"	—
h1	1	#4	12'-9"	—
h2	1	#4	8'-8"	⌒
h3	1	#4	12'-0"	⌒
h4	3	#4	9'-3"	—
h5	3	#4	5'-10"	—
s1	4	#6	25'-2"	⌐ ¬
v1	8	#4	12'-7"	⌐ ¬
v2	4	#4	14'-9"	⌐ ¬
v3	4	#4	13'-5"	⌐ ¬
v4	14	#4	5'-4"	⌐ ¬
v5	2	#4	9'-4"	⌐ ¬
CONCRETE HEADWALLS		CU YD	9.3	
REINFORCEMENT BARS		POUND	570	

NOTES:

TABLE FOR (1) HEADWALL ONLY. TWO (2) HEADWALLS REQUIRED. BAR DIMENSIONS ARE OUT TO OUT.

CONCRETE HEADWALLS SHALL BE USED THROUGHOUT.

EXPOSED EDGES SHALL BE BEVELED ¾".

REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF ASSHTO M-31, M-42, M-53, GRADE 60

NOT TO SCALE OR PROPER ORIENTATION.

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

CAST-IN-PLACE END SECTIONS STA 606+09.0 LT. & RT. FAP 322 (US 51) SECTION 11-12 CHRISTIAN COUNTY

SCALE: NOT TO SCALE — DRAWN BY BGJ

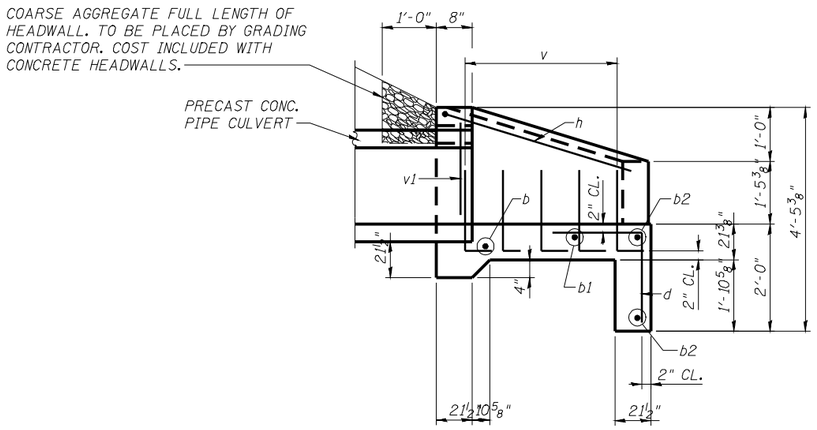
DATE 8/22/06 — CHECKED BY ADL

Mon-15-2018 12:38:12PM

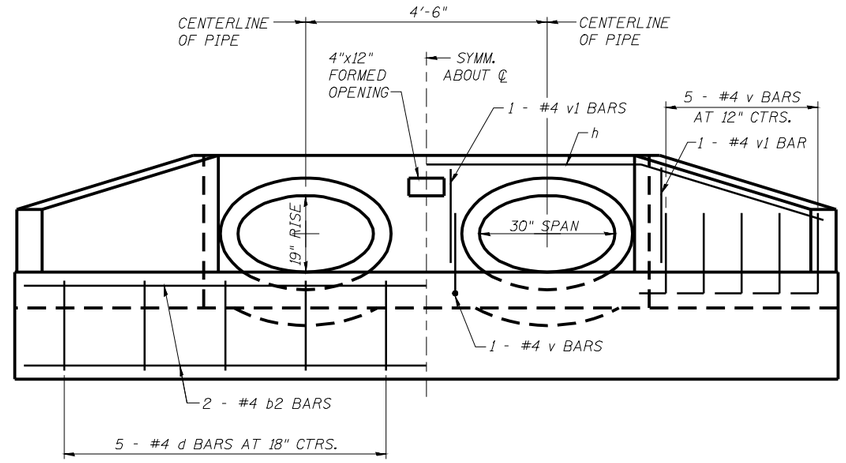
#FILE#

72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	170
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



SECTION A-A



END ELEVATION

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
b	1	#4	9'-8"	—
b1	1	#4	12'-10"	—
b2	2	#4	15'-0"	—
d	10	#4	3'-4"	⌐
h	1	#4	17'-10"	⌒
v	12	#4	3'-0"	⌐
v1	4	#4	1'-8"	—
CONCRETE HEADWALLS		CU YD		2.4
REINFORCEMENT BARS		POUND		100

NOTES;

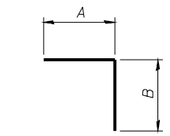
TABLE FOR (1) HEADWALL ONLY. TWO (2) HEADWALLS REQUIRED. BAR DIMENSIONS ARE OUT TO OUT.

CONCRETE HEADWALLS SHALL BE USED THROUGHOUT.

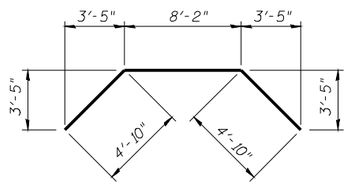
EXPOSED EDGES SHALL BE BEVELED $\frac{3}{4}$".

REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF ASSHTO M-31. M-42. M-53. GRADE 60

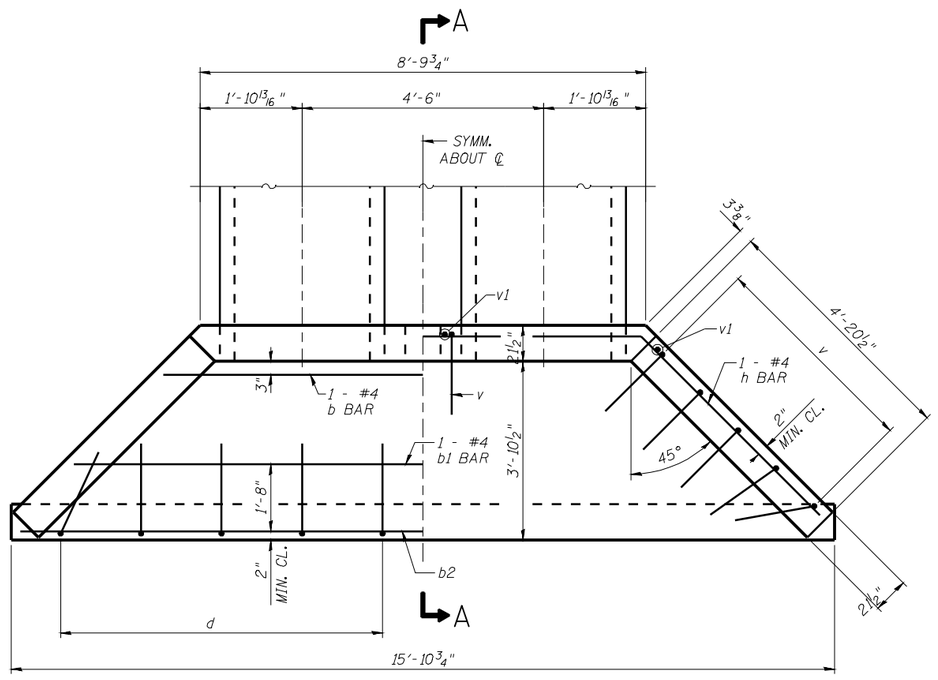
NOT TO SCALE OR PROPER ORIENTATION.



Bar	A	B
d	1'-8"	1'-8"
v	1'-6"	1'-6"



BAR h



PLAN

SHEET #1 OF 1

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

CAST-IN-PLACE END SECTIONS TR 229A (STA 18+65.0) FAP 322 (US 51) SECTION 11-12 CHRISTIAN COUNTY

SCALE: NOT TO SCALE — DRAWN BY EAW

DATE 8/22/06 — CHECKED BY ADL

May-15-2018 12:38:14PM

#FILE#

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	171
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FAP 322 CURVE #M1 (PI STA 600+54.42)

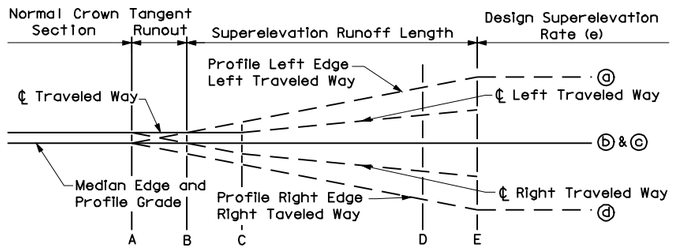
SECTION	STATION	OUTSIDE EDGE	SLOPE %	CL	SLOPE %	MEDIAN EDGE	MEDIAN EDGE	SLOPE %	CL	SLOPE %	OUTSIDE EDGE
A	589+20.00	649.28	-1.50	649.46	-1.50	649.28	649.28	-1.50	649.46	-1.50	649.28
	589+25.00	649.31	-1.32	649.46	-1.50	649.28	649.28	-1.32	649.44	-1.50	649.26
	589+50.00	649.42	-0.40	649.47	-1.50	649.29	649.29	-0.40	649.34	-1.50	649.16
B	589+61.00	649.47	0.00	649.47	-1.50	649.29	649.29	0.00	649.29	-1.50	649.11
	589+75.00	649.51	0.31	649.47	-1.50	649.29	649.29	0.31	649.25	-1.50	649.07
	590+00.00	649.57	0.87	649.47	-1.50	649.29	649.29	0.87	649.18	-1.50	649.00
	590+25.00	649.63	1.42	649.46	-1.50	649.28	649.28	1.42	649.11	-1.50	648.93
C	590+28.50	649.64	1.50	649.46	-1.50	649.28	649.28	1.50	649.10	-1.50	648.92
	590+50.00	649.74	1.98	649.50	-1.98	649.27	649.27	1.98	649.03	-1.98	648.79
	590+75.00	649.86	2.53	649.55	-2.53	649.25	649.25	2.53	648.95	-2.53	648.64
D	590+87.00	649.91	2.80	649.58	-2.80	649.24	649.24	2.80	648.90	-2.80	648.57
	591+00.00	649.97	3.09	649.60	-3.09	649.23	649.23	3.09	648.86	-3.09	648.49
	591+25.00	650.08	3.64	649.64	-3.64	649.20	649.20	3.64	648.77	-3.64	648.33
E	591+50.00	650.18	4.20	649.68	-4.20	649.17	649.17	4.20	648.67	-4.20	648.17
MAXIMUM SUPERELEVATION											
E	609+27.00	620.32	4.20	644.51	-4.20	644.01	644.01	4.20	643.50	-4.20	643.00
	609+50.00	620.33	3.69	644.38	-3.69	643.94	643.94	3.69	643.50	-3.69	643.05
	609+75.00	620.36	3.13	644.24	-3.13	643.86	643.86	3.13	643.49	-3.13	643.11
D	609+90.00	620.39	2.80	644.15	-2.80	643.82	643.82	2.80	643.48	-2.80	643.15
	610+00.00	620.40	2.58	644.10	-2.58	643.79	643.79	2.58	643.48	-2.58	643.17
	610+25.00	620.43	2.02	643.95	-2.02	643.71	643.71	2.02	643.47	-2.02	643.23
C	610+48.50	620.46	1.50	643.82	-1.50	643.64	643.64	1.50	643.46	-1.50	643.28
	610+50.00	620.49	1.47	643.82	-1.50	643.64	643.64	1.47	643.46	-1.47	643.28
	610+75.00	620.51	0.91	643.74	-1.50	643.56	643.56	0.91	643.45	-1.50	643.27
	611+00.00	620.55	0.36	643.66	-1.50	643.48	643.48	0.36	643.44	-1.50	643.26
B	611+16.00	620.60	0.00	643.62	-1.50	643.44	643.44	0.00	643.44	-1.50	643.26
	611+25.00	620.61	-0.33	643.59	-1.50	643.41	643.41	-0.33	643.45	-1.50	643.27
	611+50.00	620.65	-1.24	643.51	-1.50	643.33	643.33	-1.24	643.48	-1.50	643.30
A	611+57.00	620.69	-1.50	643.49	-1.50	643.31	643.31	-1.50	643.49	-1.50	643.31

FAP 322 CURVE #M2 (PI STA 655+98.31)

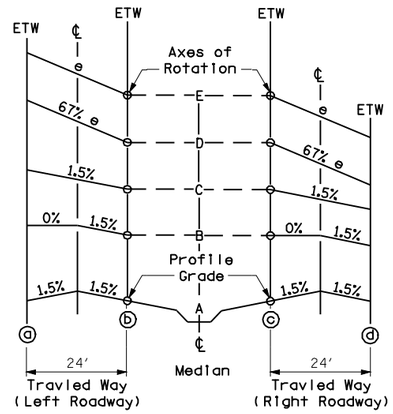
SECTION	STATION	OUTSIDE EDGE	SLOPE %	CL	SLOPE %	MEDIAN EDGE	MEDIAN EDGE	SLOPE %	CL	SLOPE %	OUTSIDE EDGE
A	644+65.00	646.51	-1.50	646.69	-1.50	646.51	646.51	-1.50	646.69	-1.50	646.51
	644+75.00	646.48	-1.50	646.66	-1.12	646.52	646.52	-1.50	646.70	-1.12	646.57
	645+00.00	646.40	-1.50	646.58	-0.15	646.56	646.56	-1.50	646.74	-0.15	646.73
B	645+04.00	646.39	-1.50	646.57	0.00	646.57	646.57	-1.50	646.75	0.00	646.75
	645+25.00	646.36	-1.50	646.54	0.47	646.60	646.60	-1.50	646.78	0.47	646.84
	645+50.00	646.33	-1.50	646.51	1.02	646.63	646.63	-1.50	646.81	1.02	646.93
C	645+71.64	646.30	-1.50	646.48	1.50	646.66	646.66	-1.50	646.84	1.50	647.02
	645+75.00	646.28	-1.57	646.47	1.57	646.66	646.66	-1.57	646.85	1.57	647.04
	646+00.00	646.17	-2.13	646.43	2.13	646.69	646.69	-2.13	646.94	2.13	647.20
	646+25.00	646.06	-2.69	646.38	2.69	646.71	646.71	-2.69	647.03	2.69	647.35
	646+50.00	645.95	-3.24	646.33	3.24	646.72	646.72	-3.24	647.11	3.24	647.50
D	646+63.00	645.88	-3.53	646.31	3.53	646.73	646.73	-3.53	647.16	3.53	647.58
	646+75.00	645.83	-3.80	646.28	3.80	646.74	646.74	-3.80	647.19	3.80	647.65
	647+00.00	645.70	-4.35	646.23	4.35	646.75	646.75	-4.35	647.27	4.35	647.79
	647+25.00	645.58	-4.90	646.17	4.90	646.75	646.75	-4.90	647.34	4.90	647.93
E	647+43.00	645.48	-5.30	646.12	5.30	646.76	646.76	-5.30	647.39	5.30	648.03
MAXIMUM SUPERELEVATION											
E	664+77.00	641.14	-5.30	641.77	5.30	642.41	642.41	-5.30	643.05	5.30	643.68
	665+00.00	641.19	-4.79	641.77	4.79	642.34	642.34	-4.79	642.92	4.79	643.49
	665+25.00	641.25	-4.24	641.76	4.24	642.27	642.27	-4.24	642.78	4.24	643.29
	665+50.00	641.31	-3.69	641.75	3.69	642.20	642.20	-3.69	642.64	3.69	643.08
D	665+57.00	641.33	-3.53	641.75	3.53	642.17	642.17	-3.53	642.60	3.53	643.02
	665+75.00	641.37	-3.13	641.75	3.13	642.12	642.12	-3.13	642.50	3.13	642.87
	666+00.00	641.43	-2.58	641.74	2.58	642.05	642.05	-2.58	642.36	2.58	642.67
	666+25.00	641.49	-2.02	641.73	2.02	641.97	641.97	-2.02	642.22	2.02	642.46
C	666+48.36	641.55	-1.50	641.73	1.50	641.91	641.91	-1.50	642.09	1.50	642.27
	666+50.00	641.54	-1.50	641.72	1.46	641.90	641.90	-1.50	642.08	1.46	642.26
	666+75.00	641.54	-1.50	641.72	0.91	641.83	641.83	-1.50	642.01	0.91	642.12
	667+00.00	641.53	-1.50	641.71	0.35	641.75	641.75	-1.50	641.93	0.35	641.98
B	667+16.00	641.53	-1.50	641.71	0.00	641.71	641.71	-1.50	641.89	0.00	641.89
	667+25.00	641.54	-1.50	641.72	-0.35	641.68	641.68	-1.50	641.86	-0.35	641.82
	667+50.00	641.58	-1.50	641.76	-1.31	641.61	641.61	-1.50	641.79	-1.31	641.63
A	667+55.00	641.59	-1.50	641.77	-1.50	641.59	641.59	-1.50	641.77	-1.50	641.59

FAP 322 CURVE #M3 (PI STA 763+16.39)

SECTION	STATION	OUTSIDE EDGE	SLOPE %	CL	SLOPE %	MEDIAN EDGE	MEDIAN EDGE	SLOPE %	CL	SLOPE %	OUTSIDE EDGE
A	752+61.00	624.22	-1.50	624.40	-1.50	624.22	624.22	-1.50	624.40	-1.50	624.22
	752+75.00	624.24	-0.99	624.36	-1.50	624.18	624.18	-0.99	624.29	-1.50	624.11
	753+00.00	624.27	-0.07	624.28	-1.50	624.10	624.10	-0.07	624.11	-1.50	623.93
B	753+02.00	624.27	0.00	624.27	-1.50	624.09	624.09	0.00	624.09	-1.50	623.91
	753+25.00	624.27	0.51	624.21	-1.50	624.03	624.03	0.51	623.96	-1.50	623.78
	753+50.00	624.26	1.07	624.13	-1.50	623.95	623.95	1.07	623.82	-1.50	623.64
C	753+69.50	624.25	1.50	624.07	-1.50	623.89	623.89	1.50	623.71	-1.50	623.53
	753+75.00	624.26	1.62	624.07	-1.62	623.88	623.88	1.62	623.68	-1.50	623.50
	754+00.00	624.32	2.18	624.06	-2.18	623.80	623.80	2.18	623.54	-2.18	623.28
	754+25.00	624.38	2.73	624.05	-2.73	623.73	623.73	2.73	623.40	-2.73	623.07
D	754+28.00	624.39	2.80	624.05	-2.80	623.72	623.72	2.80	623.38	-2.80	623.04
	754+50.00	624.44	3.29	624.04	-3.29	623.65	623.65	3.29	623.26	-3.29	622.86
	754+75.00	624.50	3.84	624.04	-3.84	623.58	623.58	3.84	623.11	-3.84	622.65
E	754+91.00	624.54	4.20	624.03	-4.20	623.53	623.53	4.20	623.02	-4.20	622.52
MAXIMUM SUPERELEVATION											
E	771+17.00	620.32	4.20	620.82	-4.20	620.32	620.32	4.20	619.81	-4.20	619.31
	771+25.00	620.33	4.02	620.81	-4.02	620.33	620.33	4.02	619.84	-4.02	619.36
	771+50.00	620.36	3.47	620.77	-3.47	620.36	620.36	3.47	619.94	-3.47	619.52
	771+75.00	620.39	2.91	620.74	-2.91	620.39	620.39	2.91	620.04	-2.91	619.69
D	771+80.00	620.40	2.80	620.73	-2.80	620.40	620.40	2.80	620.06	-2.80	619.72
	772+00.00	620.43	2.36	620.71	-2.36	620.43	620.43	2.36	620.14	-2.36	619.86
	772+25.00	620.46	1.80	620.68	-1.80	620.46	620.46	1.80	620.25	-1.80	620.03
C	772+38.50	620.49	1.50	620.67	-1.50	620.49	620.49	1.50	620.31	-1.50	620.13
	772+50.00	620.51	1.24	620.69	-1.50	620.51	620.51	1.24	620.36	-1.50	620.18
	772+75.00	620.55	0.69	620.73	-1.50	620.55	620.55	0.69	620.47	-1.50	620.29
	773+00.00	620.60	0.13	620.78	-1.50	620.60	620.60	0.13	620.58	-1.50	620.40
B	773+06.00	620.61	0.00	620.79	-1.50	620.61	620.61	0.00	620.61	-1.50	620.43
	773+25.00	620.65	-0.70	620.83	-1.50	620.65	620.65	-0.70	620.73	-1.50	620.55
A	773+47.00	620.69	-1.50	620.87	-1.50	620.69	620.69	-1.50	620.87	-1.50	620.69



AXIS OF ROTATION ABOUT MEDIAN EDGES OF TRAVELED WAY



NOTES:

1. ELEVATIONS GIVEN ARE FOR FINAL PAVING.
2. TURN LANE ELEVATIONS ARE NOT GIVEN.

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

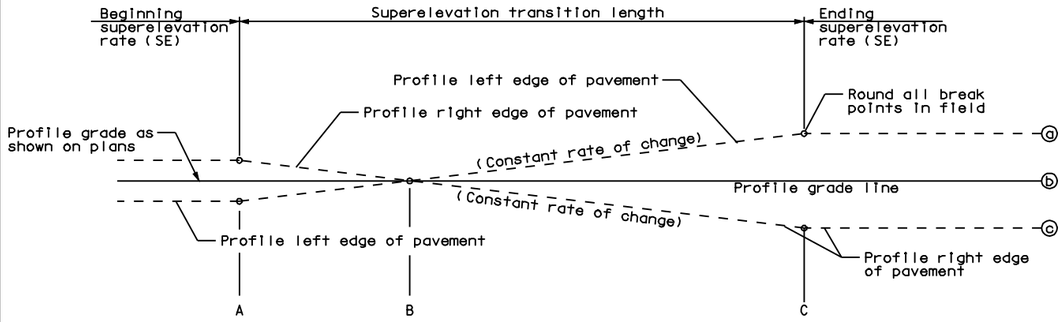
SUPERELEVATION RUNOFF TABLES
4 LANE EXPRESSWAY
FAP 322 (US 51)
SECTION 11-12
CHRISTIAN COUNTY

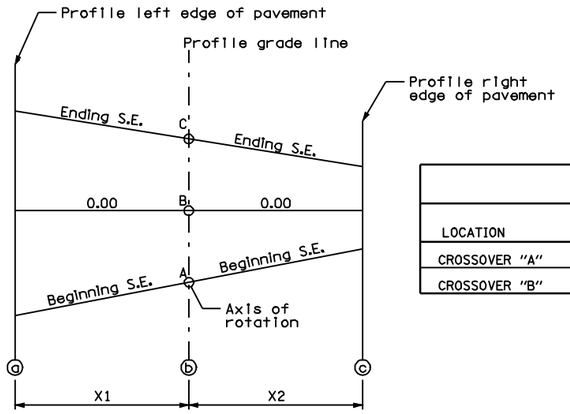
SCALE: NONE DRAWN BY SEB

DATE 8/22/06 CHECKED BY TLD

72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	172
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

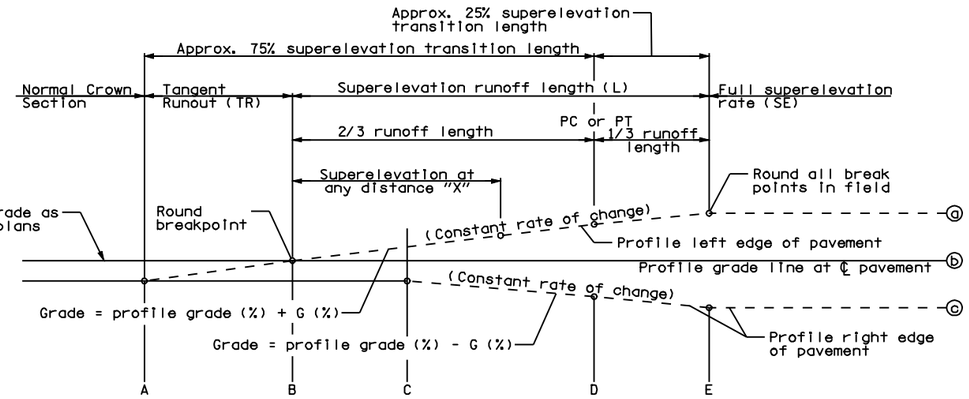


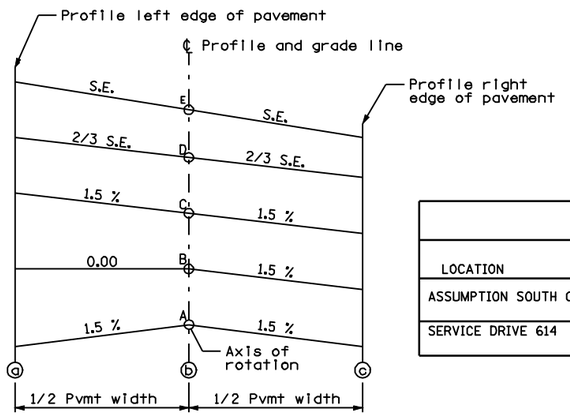


SUPERELEVATION TRANSITION CURVE DATA							
					PROFILE BREAK POINTS		
LOCATION	X1	X2	BEGINNING S.E.	ENDING S.E.	A	B	C
CROSSOVER "A"	12'	12'	-1.5%	1.5%	107+72	108+33.5	108+95
CROSSOVER "B"	4'	16'	-1.5%	1.5%	14+89	15+55.5	16+22

Note: Right or left edge of pavement may be located on profile grade line

AXIS OF ROTATION ABOUT PROFILE GRADE BASELINE





SUPERELEVATION TRANSITION CURVE DATA							
		PROFILE BREAK POINTS					
LOCATION	S.E.	A	B	C	D	E	
ASSUMPTION SOUTH CONNECTOR	4.0%	4+33	4+66	4+99.38	5+25	5+55	
		494+59	494+26	493+92.32	13+54	13+24	
SERVICE DRIVE 614	3.8%	0+31	0+57	0+82.66	1+00	1+22	
		4+08	3+82	3+56.34	3+39	3+17	

AXIS OF ROTATION ABOUT CENTERLINE OF TRAVELED WAY

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUPERELEVATION RUNOFF TABLES 2 LANE & CROSSOVERS FAP 322 (US 51) SECTION 11-12 CHRISTIAN COUNTY

SCALE: NONE DRAWN BY SEB

DATE 8/22/06 CHECKED BY TLD

Mon-15-2006 12:38:21PM

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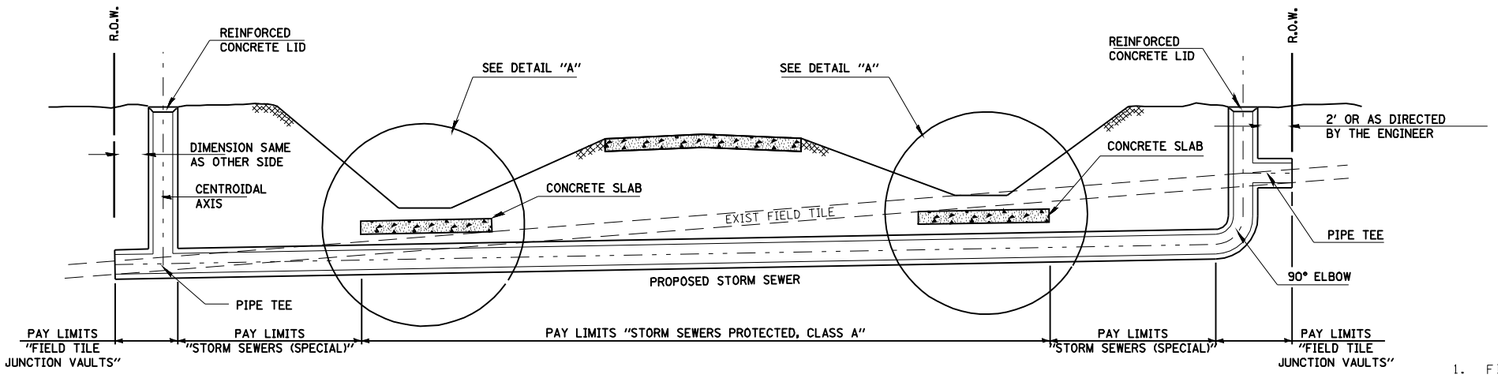
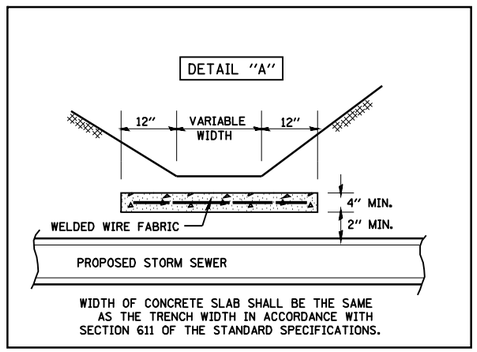
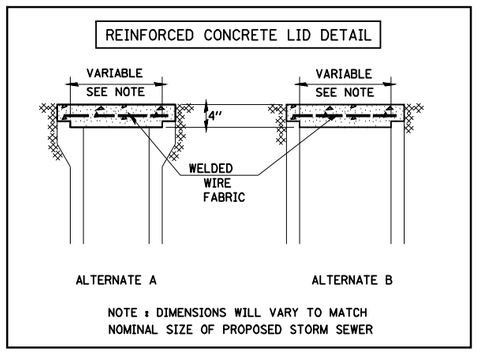
72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	173
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		





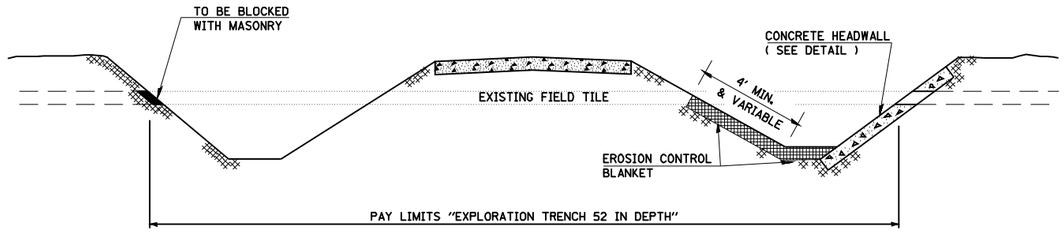
WIDTH OF CONCRETE SLAB SHALL BE THE SAME AS THE TRENCH WIDTH IN ACCORDANCE WITH SECTION 611 OF THE STANDARD SPECIFICATIONS.

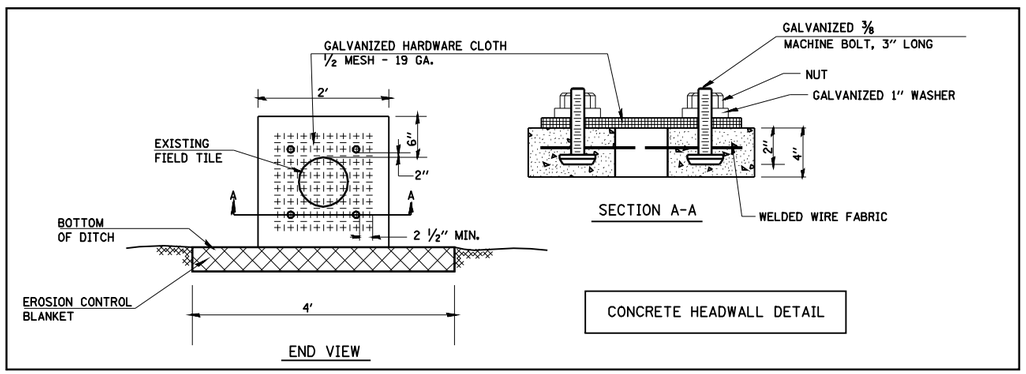


NOTE : DIMENSIONS WILL VARY TO MATCH NOMINAL SIZE OF PROPOSED STORM SEWER

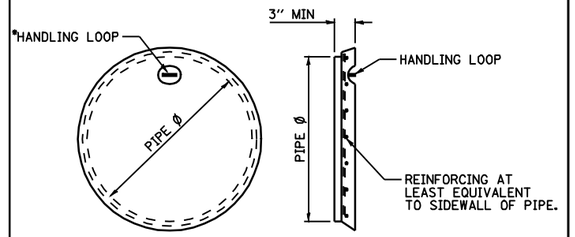
GENERAL NOTES

1. FIELD TILE SHALL BE REPLACED IN ACCORDANCE WITH SECTION 611 OF THE STANDARD SPECIFICATIONS. THE COST PER CONTRACT UNIT PRICE OF ITEMS INCLUDED IN THIS CONTRACT SHALL BE PAID FOR AS STATED IN SECTION 611 OF THE STANDARD SPECIFICATIONS. IF THE CONTRACT UNIT PRICE IS NOT INCLUDED IN THIS CONTRACT, PAYMENT FOR THIS WORK WILL BE IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
2. THE DIAMETER OF THE PROPOSED STORM SEWER SHALL BE EQUAL TO OR GREATER THAN THE EXISTING FIELD TILE.
3. THE REINFORCED CONCRETE LID SHALL BE CLASS SI CONCRETE (MISCELLANEOUS) OR PRECAST REINFORCED CONCRETE.
4. FIELD TILES LESS THAN 7" DIAMETER INTERCEPTED BY THE BACKSLOPE SHALL BE CRUSHED AND REMAIN IN PLACE UNDER THE ROADBED. INTERCEPTED FIELD TILES 7" OR LARGER IN DIAMETER SHALL BE REMOVED AND BACKFILLED IN ACCORDANCE WITH ARTICLE 611.03.





CONCRETE HEADWALL DETAIL



*THE HANDLING LOOP MAY BE OMITTED WHEN THE CAP IS PLACED IN A BURIED INSTALLATION.

COST OF FURNISHING AND INSTALLING CONCRETE PIPE TEE PLUG TO BE INCLUDED IN THE PAY ITEM "PIPE TEE" OF THE SIZE SPECIFIED.

DETAILS OF CONCRETE PIPE TEE PLUG

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS DETAILS - FIELD TILE & PIPE TEE PLUG
FAP 322 (US 51)
SECTION 11-12
CHRISTIAN COUNTY

SCALE: None | DRAWN BY | DIST. 6
DATE | CHECKED BY

Mon-15-2018 12:38:23PM

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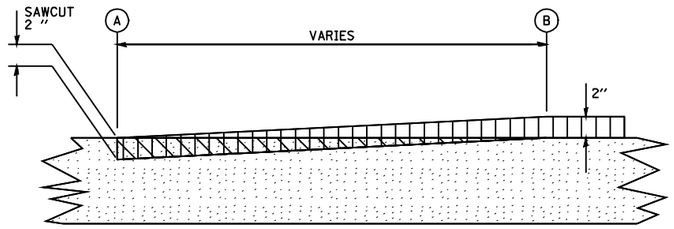
72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	174
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



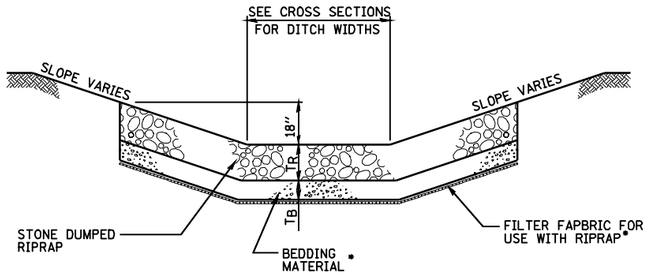
PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT

PROPOSED HOT-MIX ASPHALT SURFACE COURSE

EXISTING HOT-MIX ASPHALT PAVEMENT OR OVERLAY

LOCATION	A	B
EX US 51	423+06.98	423+26.98

BUTT JOINT DETAIL

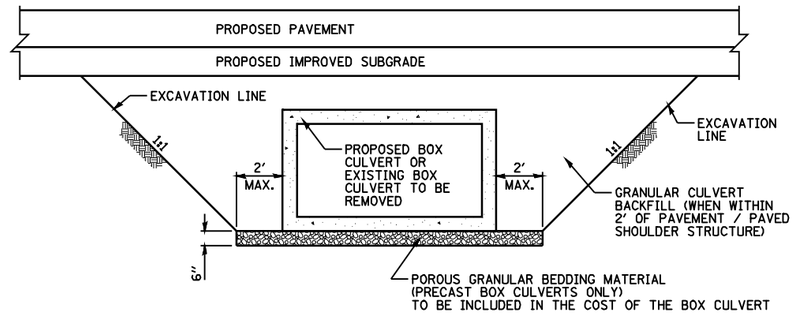


RIPRAP CLASS	RIPRAP THICKNESS (T_R)	BEDDING THICKNESS (T_B)
B3	12″	*
A4	16″	6″
A5	22″	8″

* STONE DUMP RIPRAP CLASS B-3 HAS NO BEDDING MATERIAL OR FILTER FABRIC UNLESS IN SANDY SOILS.

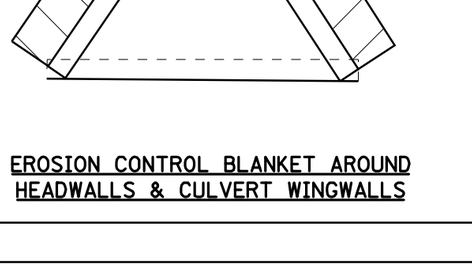
TYPICAL STONE RIPRAP DITCH LINING

SEE SCHEDULE FOR INSTALLATION LOCATIONS



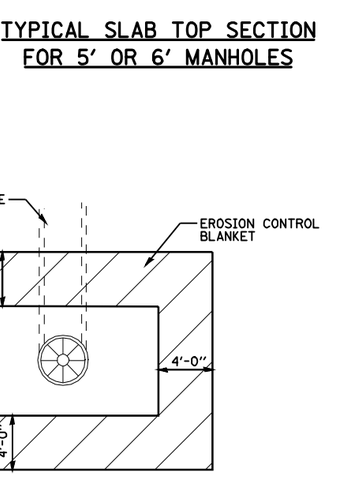
BOX CULVERT EXCAVATION LIMITS

SEE SCHEDULE FOR INSTALLATION LOCATIONS

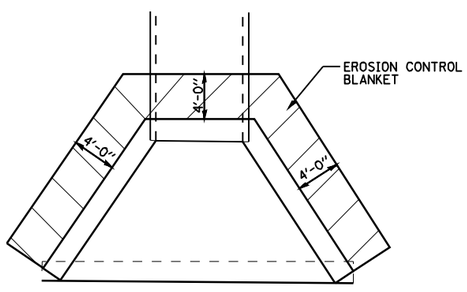


5′ FLAT SLAB TOP DETAIL WITH 36″ OPENING

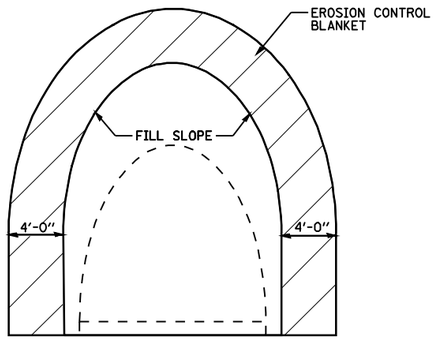
DETAIL OF STANDARD 24″ MEDIAN INLET OF FLAT SLAB TOP



TYPICAL SLAB TOP SECTION FOR 5′ OR 6′ MANHOLES

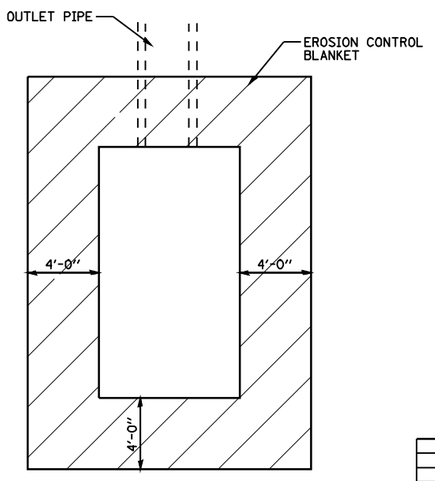


EROSION CONTROL BLANKET AROUND HEADWALLS & CULVERT WINGWALLS

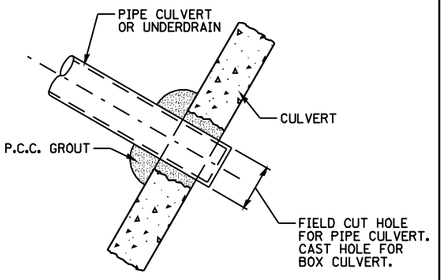


EROSION CONTROL BLANKET AROUND FLARED END SECTION STD. 542301

EROSION CONTROL BLANKET AROUND MEDIAN INLETS STD. 604101 & STD. 604106



EROSION CONTROL BLANKET AROUND HEADWALL FOR PIPE UNDERDRAIN STD. 601101



DETAIL OF PLACING PIPE IN CULVERT

NOTE: COST OF PLACING PIPE IN THE CULVERT SHALL BE INCLUDED IN THE PAY ITEM FOR THE CULVERT OR UNDERDRAIN.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS DETAILS
FAP 322 (US 51)
SECTION 11-12
CHRISTIAN COUNTY

SCALE: None DRAWN BY SEB

DATE 8/22/06 CHECKED BY TLD

May-15-2010 12:38:29PM

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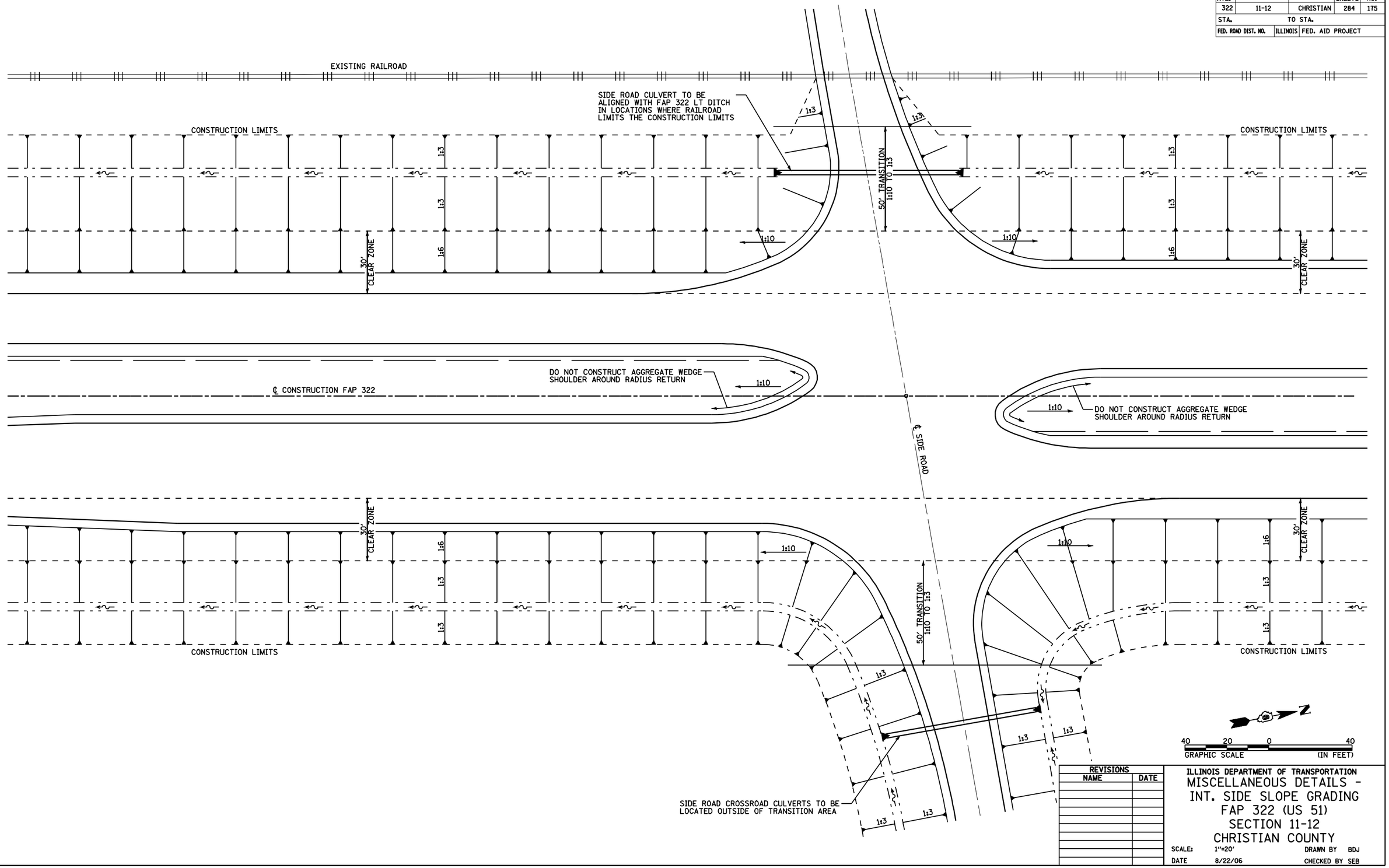
72932

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	175
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS DETAILS - INT. SIDE SLOPE GRADING FAP 322 (US 51) SECTION 11-12 CHRISTIAN COUNTY

SCALE: 1"=20' DRAWN BY BDJ

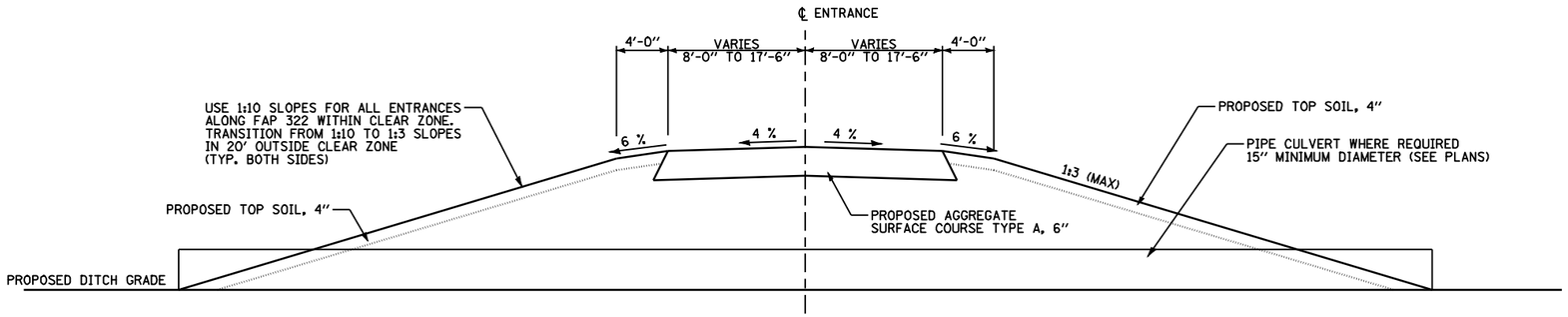
DATE 8/22/06 CHECKED BY SEB

Mon-15-2018 12:38:27PM

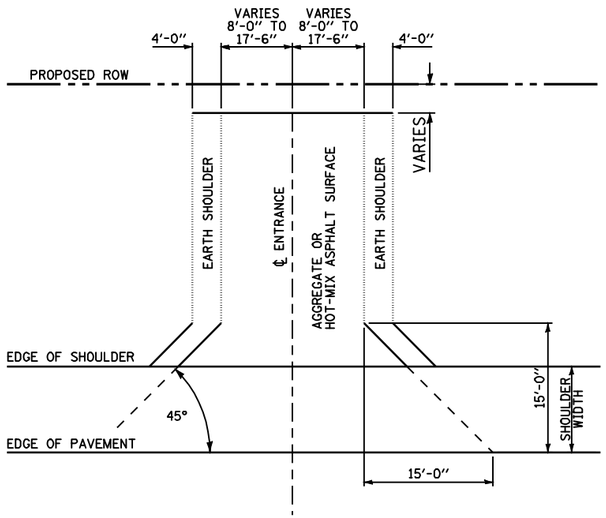
FILE

72932

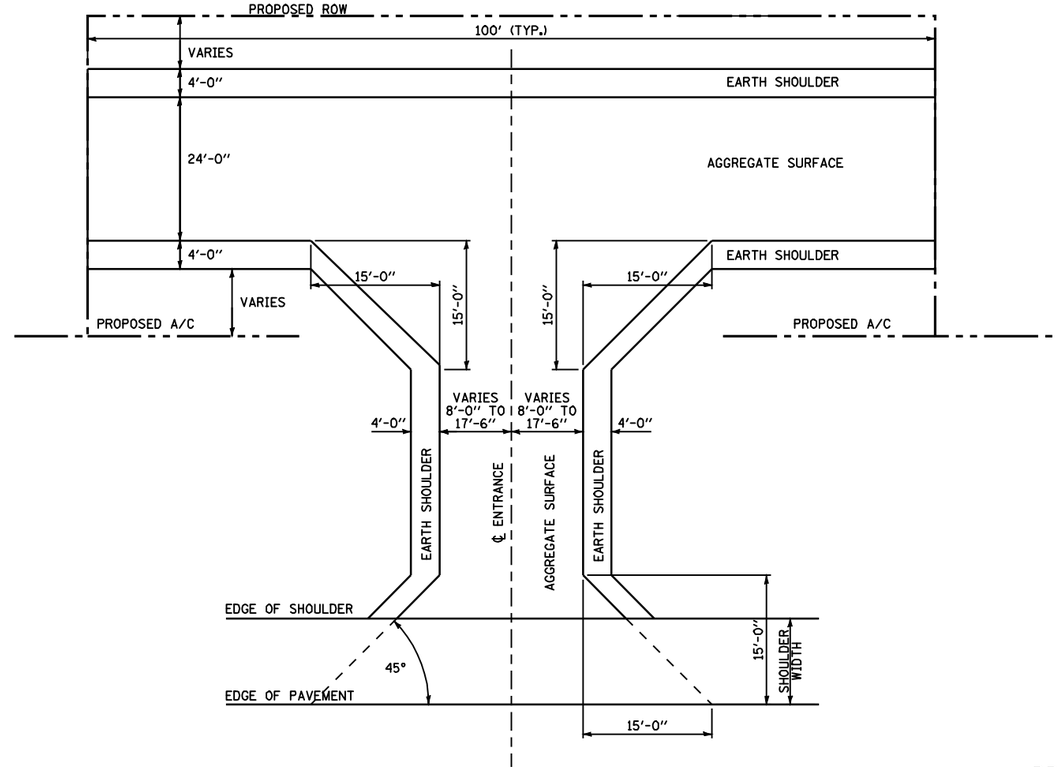
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	176
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



TYPICAL SECTION (PRIVATE / FIELD ENTRANCE)



PRIVATE & FIELD ENTRANCE PLAN DETAIL
SINGLE ENTRANCE



PRIVATE & FIELD ENTRANCE PLAN DETAIL
DUAL ENTRANCE

PROPOSED FAP 322

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

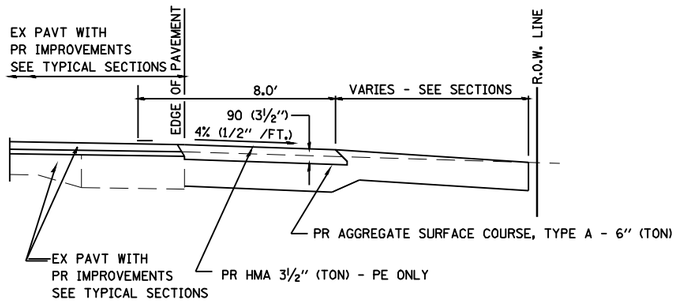
MISCELLANEOUS DETAILS - ENTRANCES - EXPRESSWAY
FAP 322 (US 51)
SECTION 11-12
CHRISTIAN COUNTY

SCALE: None DRAWN BY SEB
DATE 8/22/06 CHECKED BY EBB

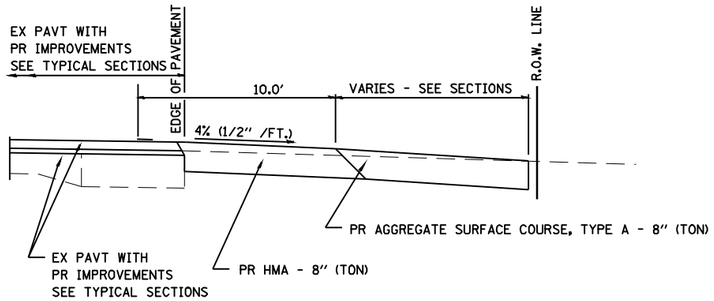
May-15-2018 12:38:29PM
#FILE#

72932

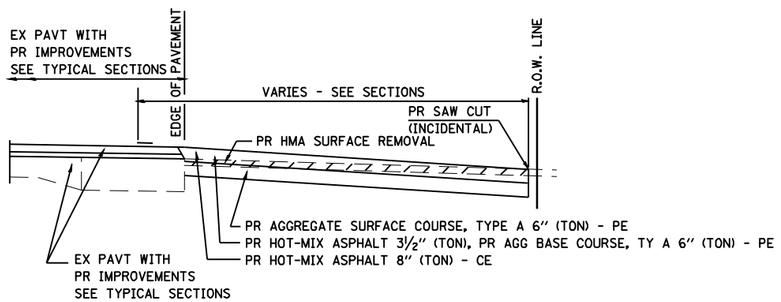
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	177
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



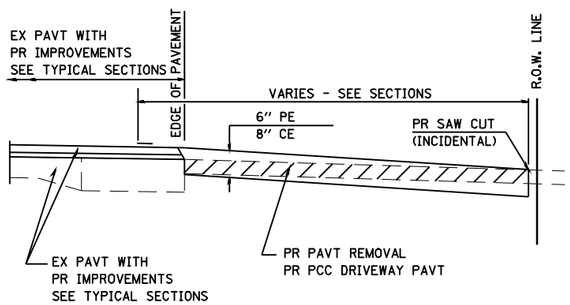
SECTION A-A FOR EX EARTH/AGGREGATE FE & PE



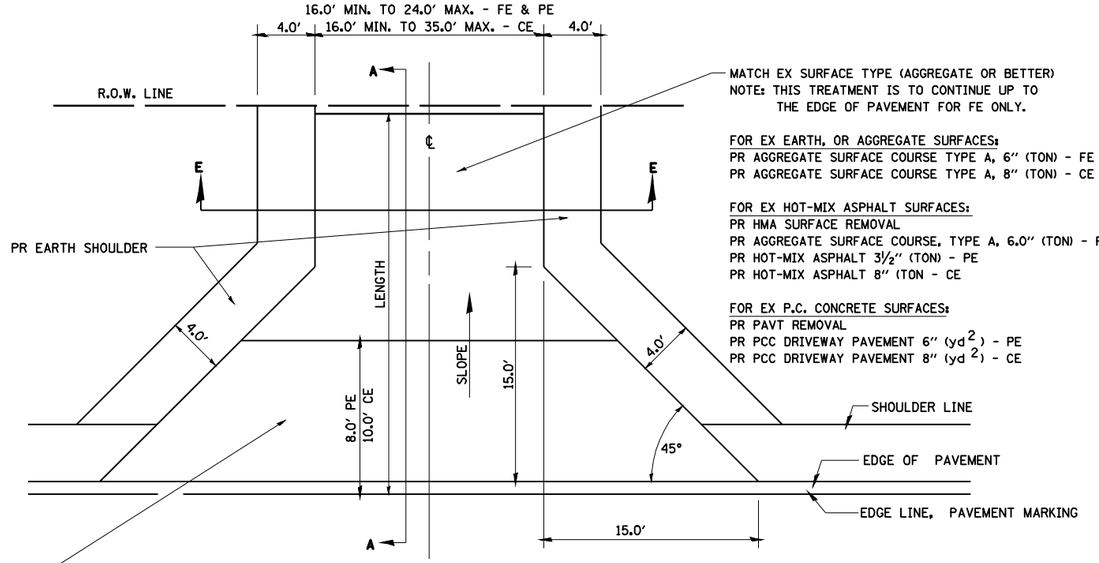
SECTION A-A FOR EX EARTH/AGGREGATE CE



SECTION A-A FOR EX HOT-MIX ASPHALT PE & CE



SECTION A-A FOR EX P.C. CONC. PE & CE



MATCH EX SURFACE TYPE (AGGREGATE OR BETTER)
NOTE: THIS TREATMENT IS TO CONTINUE UP TO THE EDGE OF PAVEMENT FOR FE ONLY.

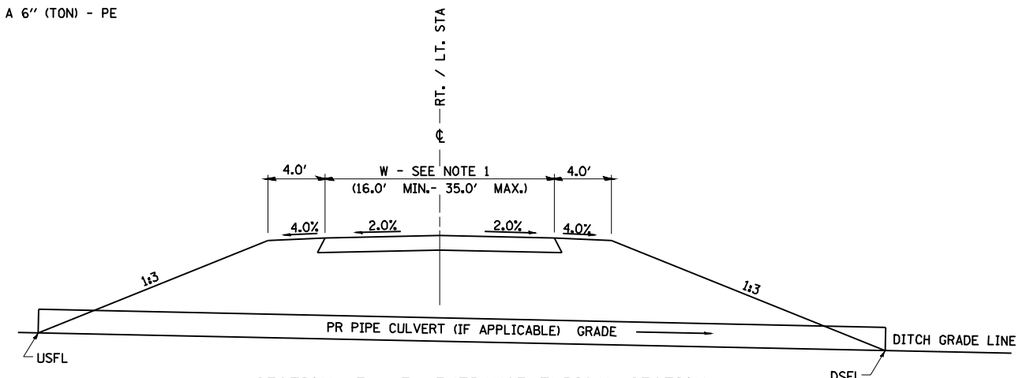
FOR EX EARTH, OR AGGREGATE SURFACES:
PR AGGREGATE SURFACE COURSE TYPE A, 6" (TON) - FE & PE
PR AGGREGATE SURFACE COURSE TYPE A, 8" (TON) - CE

FOR EX HOT-MIX ASPHALT SURFACES:
PR HMA SURFACE REMOVAL
PR AGGREGATE SURFACE COURSE, TYPE A, 6.0" (TON) - PE
PR HOT-MIX ASPHALT 3½" (TON) - PE
PR HOT-MIX ASPHALT 8" (TON - CE

FOR EX P.C. CONCRETE SURFACES:
PR PAVT REMOVAL
PR PCC DRIVEWAY PAVEMENT 6" (yd^2) - PE
PR PCC DRIVEWAY PAVEMENT 8" (yd^2) - CE

FOR EX EARTH, AGGREGATE, OR HOT-MIX ASPHALT SURFACES:
PR HMA SURFACE REMOVAL (IF APPLICABLE)
PR AGGREGATE SURFACE COURSE TYPE A 6" (TON) - FE
PR AGGREGATE SURFACE COURSE TYPE A, 6" (TON) &
PR HOT-MIX ASPHALT 3½" (TON) - PE
PR HOT-MIX ASPHALT 8" (TON) - CE

FOR P.C. CONCRETE SURFACES:
PR PAVT REMOVAL
PR PCC DRIVEWAY PAVT 6" (yd^2) - PE
PR PCC DRIVEWAY PAVT 8" (yd^2) - CE



SECTION E - E ENTRANCE TYPICAL SECTION

NOTE 1: WIDTH OF ENTRANCE MAY BE INCREASED AT THE PIPE CULVERT DUE TO THE DITCHLINE BEING LOCATED IN THE ENTRANCE FLARE AREA.

GENERAL NOTES:

THE RESIDENT ENGINEER WILL DETERMINE THE EXACT TYPE OF IMPROVEMENT TO BE COMPLETED FOR ALL ENTRANCES, SIDEROADS AND MAILBOX TURNOUTS ON THIS PROJECT.

THE PLAN DETAILS AND SCHEDULES SHOULD BE USED AS A GUIDE FOR THE ENGINEER TO IMPLEMENT THE FINAL DESIGN. THE ENGINEER MAY DECIDE TO SALVAGE PORTIONS OF THE EXISTING ENTRANCE PAVEMENT STRUCTURE; THEREFORE, REDUCING PAY ITEM QUANTITIES. NO ADDITIONAL PAYMENT WILL BE ALLOWED FOR THIS REDUCTION IN QUANTITIES.

ANY WORK THE ENGINEER REQUIRES WHICH IS NOT COVERED BY A PAY ITEM CONTAINED IN THE PLANS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

HOT-MIX ASPHALT REQUIRED TO CONSTRUCT THE ENTRANCES SHALL BE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 406 AND 408 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.

WHEN THE HOT-MIX ASPHALT PROPOSED FOR THE IMPROVEMENT IS THICKER THAN 3 INCHES AND REQUIRE PLACEMENT IN MORE THAN ONE LIFT. THE BOTTOM LIFT(S) SHALL MEET THE REQUIREMENTS OF HOT-MIX ASPHALT BASE COURSE IN SECTION 406 OF THE STANDARD SPECIFICATIONS AND THE TOP LIFT OF 2 INCHES SHALL MEET THE APPLICABLE REQUIREMENTS OF HOT-MIX ASPHALT SURFACE COURSE OF SECTION 406 OF THE STANDARD SPECIFICATIONS. SURFACE COURSE MIXTURE SHALL BE MIX "C".

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR "INCIDENTAL HOT-MIX ASPHALT SURFACING" WHICH SHALL INCLUDE ALL MATERIALS, EQUIPMENT, AND LABOR INVOLVED.

SIDE ROADS

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS DETAILS - ENTRANCES - SIDE ROADS FAP 322 (US 51) SECTION 11-12 CHRISTIAN COUNTY

SCALE: NONE DRAWN BY SEB

DATE 8/22/06 CHECKED BY EBB

Mon-15-2006 12:30:31PM

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72932

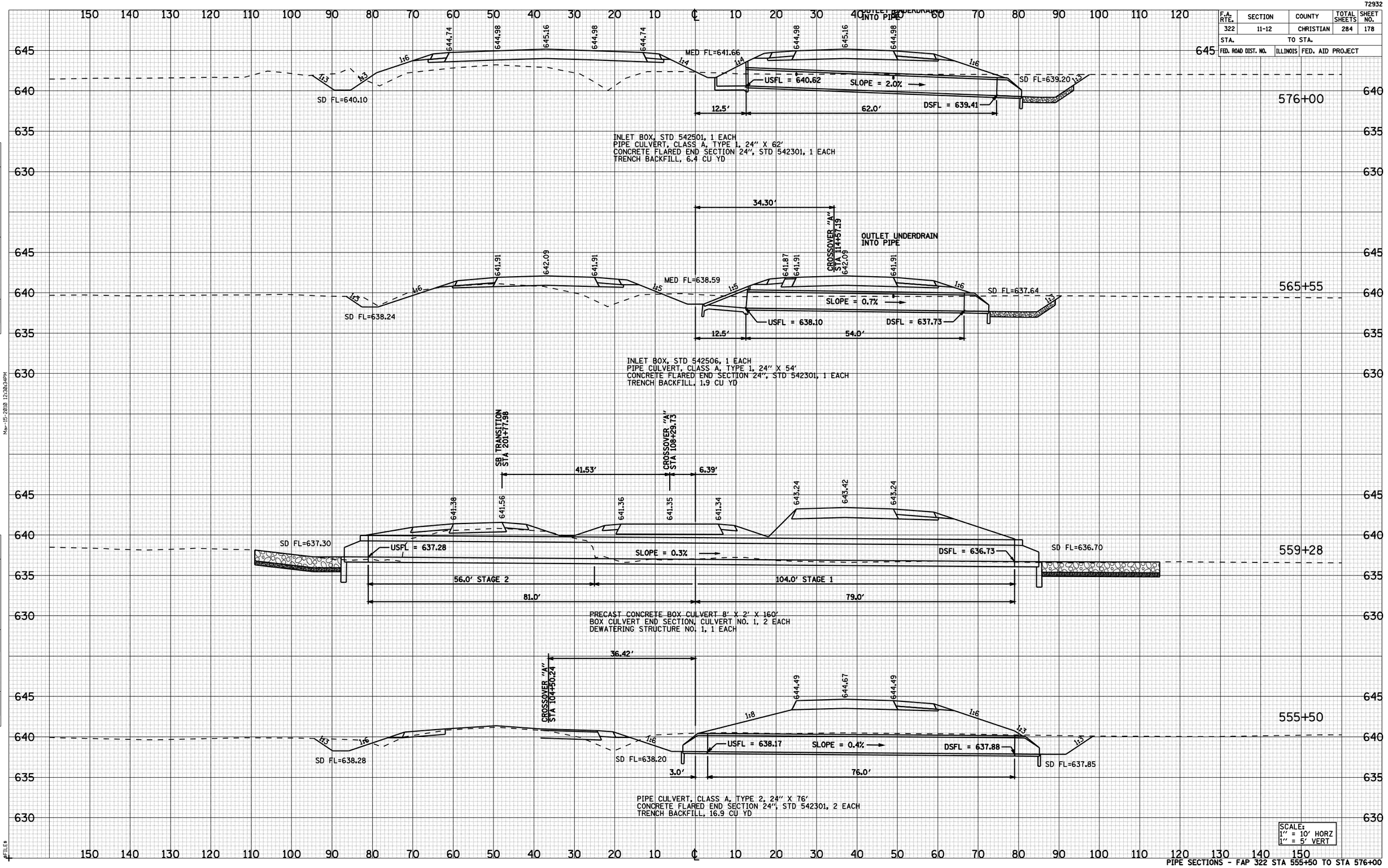
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	178
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TOPO DATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TOPO DATE — AREAS — AREAS CHECKED — BY — DATE

Mar-15-2010 12:08:24PM

FILE#

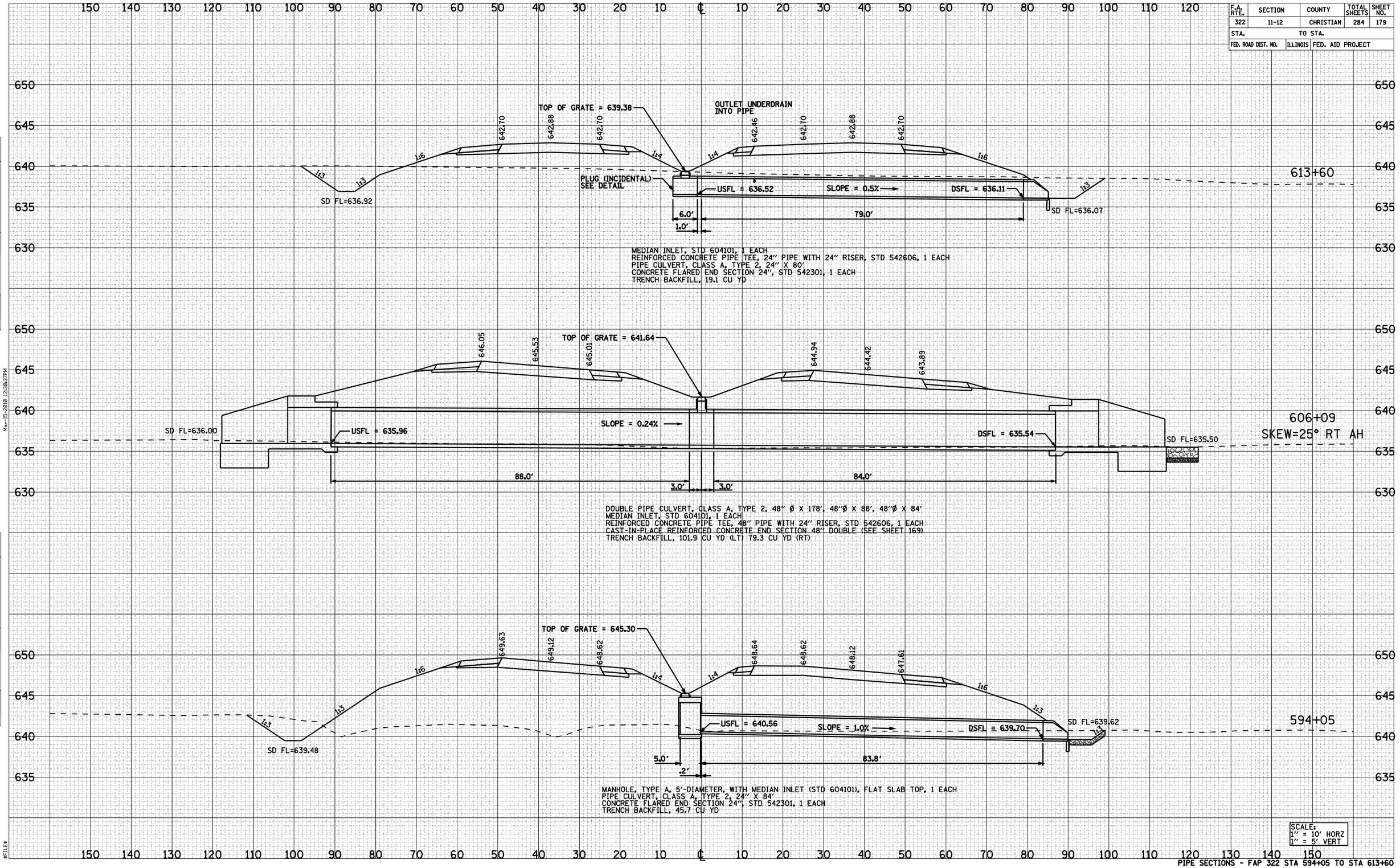


PIPE SECTIONS - FAP 322 STA 555+50 TO STA 576+00

72932

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	179
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	NOTE BOOK	NO.	BY	DATE
	SURVEYED			
	PLOTTED			
	TRIANGULATE			
	AREAS			
	AREAS CHECKED			



PIPE SECTIONS - FAP 322 STA 594+05 TO STA 613+60

Mar-15-2010 12:08:27PM

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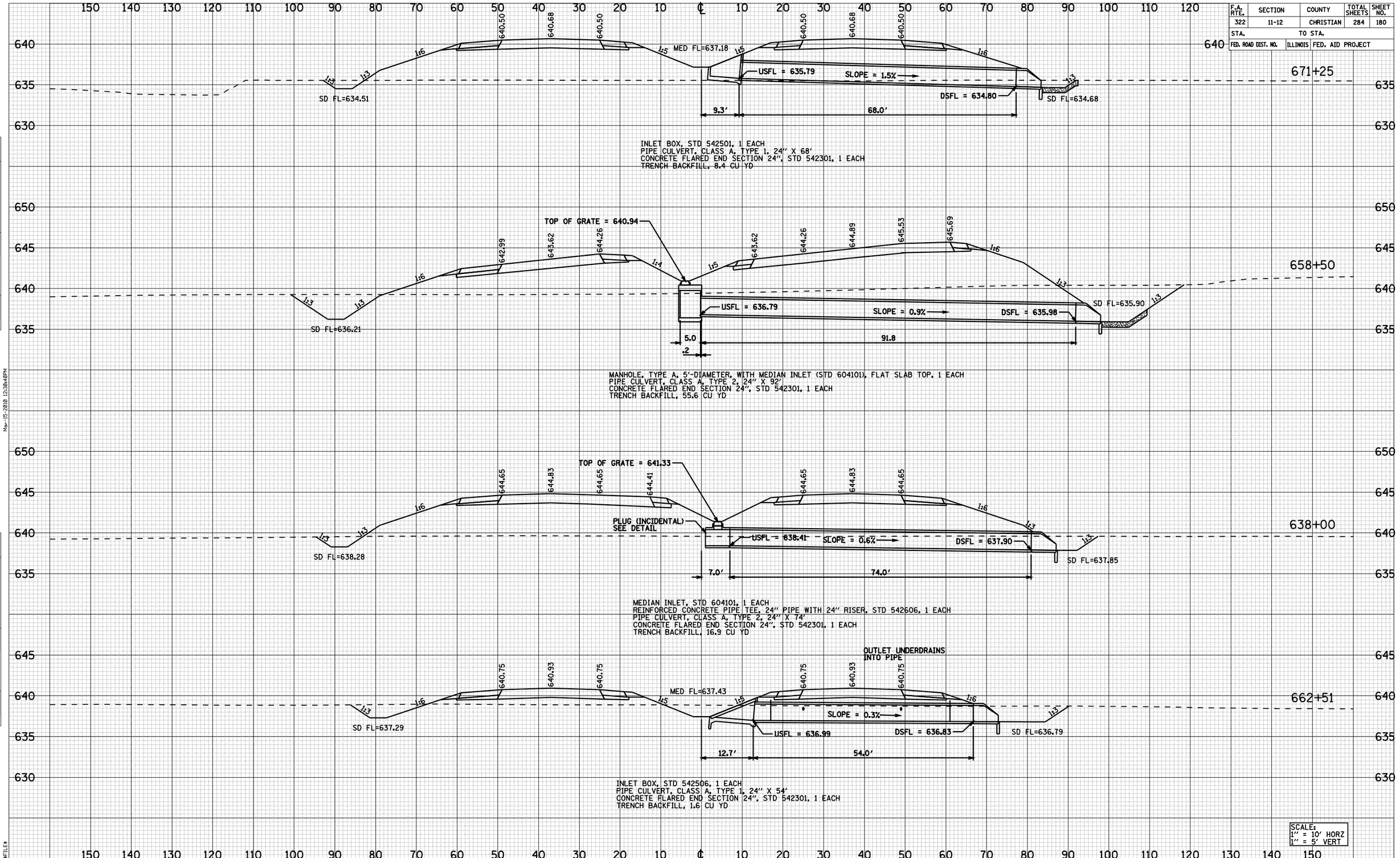
72932

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	180
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



SCALE:
1" = 10' HORZ
1" = 5' VERT

PIPE SECTIONS - FAP 322 STA 662+51 TO STA 671+25

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TRIANGULATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TRIANGULATE — AREAS — AREAS CHECKED — BY — DATE

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72932

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	181
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120

645 640 635 630

642.07 642.18 641.99 641.73 641.96 642.13 641.94 641.70

686+00
SKEW = 13° LT AH

USFL = 634.95
SLOPE = 0.27%
DSFL = 634.52
SD FL=635.00
SD FL=634.50
79.6′
84.4′

PIPE CULVERT, CLASS A, TYPE 2, 36″ Ø X 164′
CONCRETE FLARED END SECTION 36″ Ø, STD 542301, 2 EACH
TRENCH BACKFILL, 27.9 CU YD (LT) 36.5 CU YD (RT)

OUTLET UNDERDRAINS INTO PIPE

639.83 640.01 639.83 MED FL=636.51 639.83 640.01 639.83

1:6 1:3 1:3 1:5 1:5 1:6 1:3

676+10

SD FL=634.87
USFL = 636.06
SLOPE = 1.5%
DSFL = 635.19
SD FL=635.02
12.7′
58.0′

INLET BOX, STD 542506, 1 EACH
PIPE CULVERT, CLASS A, TYPE 1, 24″ X 58′
CONCRETE FLARED END SECTION 24″, STD 542301, 1 EACH
GRATING FOR CONCRETE FLARED END SECTION 24″, STD 542311, 1 EACH
TRENCH BACKFILL, 2.6 CU YD

640.05 640.23 640.05 640.07 640.25 640.07

673+24
SKEW = 10° LT AH

SD FL=634.70
USFL = 634.69
SLOPE = 0.12%
DSFL = 634.51
SD FL=634.50
80.0′
80.0′

PRECAST CONCRETE BOX CULVERT 6′ X 3′ X 160′
BOX CULVERT END SECTION, CULVERT NO. 2, 2 EACH

SCALE:
1″ = 10′ HORZ
1″ = 5′ VERT

PIPE SECTIONS - FAP 322 STA 673+24 TO STA 686+00

FINAL SURVEY	NOTE BOOK	SURVEYED	PLOTTED	DRAWN	TRACED	AREAS	AREAS CHECKED	NO.	BY	DATE

ORIGINAL SURVEY	NOTE BOOK	SURVEYED	PLOTTED	DRAWN	TRACED	AREAS	AREAS CHECKED	NO.	BY	DATE

Mon-15-2010 12:08:43PM

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72932

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	182
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DATE	BY		
		SURVEYED	
		PLOTTED	
		TRANSFER DATE	
		AREAS	AREAS CHECKED
FINAL SURVEY	NOTE BOOK	NO.	

DATE	BY		
		SURVEYED	
		PLOTTED	
		TRANSFER DATE	
		AREAS	AREAS CHECKED
ORIGINAL SURVEY	NOTE BOOK	NO.	

Mon-15-2010 12:28:49PM

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120

625 620 615 610 605

EX ROW & AC

OUTLET UNDERDRAINS INTO PIPE

STAGE 2 , STAGE 1

620.80 620.78 620.60 620.36 620.60 620.58 620.40

0.1% 1.5% 2.0% 0.1% 1.5%

1:6 1:4 1:4 1:4

MED FL=617.28

SLOPE = 1.50%

USFL = 616.20

DSFL = 615.30

12.5′ 60.0′

773+00

INLET BOX, STD 542501, 1 EACH
PIPE CULVERT, CLASS A, TYPE 1, 24″ X 60′
CONCRETE FLARED END SECTION 24″, STD 542301, 1 EACH
GRATING FOR CONCRETE FLARED END SECTION 24″, STD 542311, 1 EACH
TRENCH BACKFILL, 5.8 CU YD

TOP OF GRATE = 616.94

SLOPE = 6.4%

DSFL = 611.46

USFL = 612.10

10.0′

EX DOUBLE 7′x6′ BOX CULVERT

PIPE PROFILE

TOP OF GRATE = 616.94

621.26 620.76 620.26 620.28 620.26 619.75 619.25

1:6 1:3 1:5 1:4

USFL = 612.10

24″ CLASS A

5.0′ 2.7′

767+50

MANHOLE, TYPE A, 5′-DIAMETER, WITH MEDIAN INLET (STD 604101), FLAT SLAB TOP, 1 EACH
PIPE CULVERT, CLASS A, TYPE 2, 24″ X 10′ (SEE PROFILE ON THIS SHEET)

TOP OF GRATE = 639.70

642.45 642.68 642.85 642.66 642.42 642.63 642.80 642.62

USFL = 636.04

SLOPE = 0.30%

DSFL = 635.54

SD FL=636.10

SD FL=635.50

80.9′ 6.0′ 72.0′

1.1′

688+37

SKEW = 13° LT AH

PIPE CULVERT, CLASS A, TYPE 2, 36″ Ø X 82′
MEDIAN INLET, STD 604101, 1 EACH
REINFORCED CONCRETE PIPE TEE, 36″ PIPE WITH 24″ RISER, STD 542606, 1 EACH
PIPE CULVERT, CLASS A, TYPE 2, 36″ Ø X 72′
CONCRETE FLARED END SECTION 36″ Ø, STD 542301, 2 EACH
TRENCH BACKFILL, 19.7 CU YD (LT) 25.6 CU YD (RT)

SCALE:
1″ = 10′ HORZ
1″ = 5′ VERT

PIPE SECTIONS - FAP 322 STA 688+37 TO STA 773+00

FILE

72932

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	183
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	NO.	BY	DATE
NOTE BOOK			
SURVEYED			
PLOTTED			
TYPING DATE			
AREAS			
AREAS CHECKED			

ORIGINAL SURVEY	NO.	BY	DATE
NOTE BOOK			
SURVEYED			
PLOTTED			
TYPING DATE			
AREAS			
AREAS CHECKED			

Mon-15-2010 12:08:49PM

#FILE#

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120

645 640 635 630

647.67 647.80 647.67

1:3 1:3

USFL = 639.40 SLOPE = 0.5% DSFL = 639.00

37.4′ 38.6′

PIPE CULVERTS, TYPE 2, CLASS D, 24″ X 76′

PRIVATE DRIVE 595
STA 19+00

PR ROW & AC

EX ROW 643.08 643.26 642.96 EX ROW

SD FL= 639.12 SD FL= 638.98

USFL = 639.11 WATER 22.5′ 31.5′ DSFL = 638.99

PIPE CULVERT, CLASS A, TYPE 1, 30″ ERS X 54′
CONCRETE FLARED END SECTIONS 30″ ERS, STD 542306, 2 EACH
TRENCH BACKFILL, 3.6 CU YD

PR ROW & AC

TR 229A
21+35

PR ROW & AC

EX ROW 642.92 643.22 643.04 EX ROW

1:3 1:3

SLOPE = 0.48%

SD FL= 639.87 SD FL= 639.59

USFL = 639.86 WATER 31.6′ 22.4′ DSFL = 639.61

DOUBLE PIPE CULVERT, CLASS A, TYPE 1, 24″ ERS X 54′
CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS 24″ ERS DOUBLE -
2.4 CU YD CONRETE HEADWALLS, 100 LBS REINFORCEMENT BARS (EACH HEADWALL)
TRENCH BACKFILL, 3.3 CU YD

PR ROW & AC

TR 229A
18+65

SCALE:
1″ = 10′ HORZ
1″ = 5′ VERT

PIPE SECTIONS - TR 229A & PR DR 595

72932

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	184
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TOPO PLOT — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TOPO PLOT — AREAS — AREAS CHECKED — BY — DATE

Mon-15-2010 12:08:51PM

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TR 209
52+07.7
SKEW=12° LT

644.38 644.66 644.72

DSFL = 635.76 — SLOPE = 0.1% — USFL = 635.89

SD 635.75

34.8′ 105.2′

PIPE CULVERT, CLASS A, TYPE 2, 36″ X 140′
PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 36″, STD 542301, 2 EACH
TRENCH BACKFILL, 65.9 CU YD

ILLINOIS STREET
4+00

639.50 639.89 639.58

1:3 1:3 1:3 1:3

DSFL = 636.05 — SLOPE = 0.13% — USFL = 636.14

SD 635.05 SD 635.15

37.5′ 32.5′

WATER

PIPE CULVERT, CLASS A, TYPE 1, 27″ ERS X 70′
CONCRETE FLARED END SECTIONS 27″ ERS, STD 542306, 2 EACH
TRENCH BACKFILL, 2.0 CU YD

SERVICE DRIVE 614
4+00

EX ROW

641.40 641.53 641.35

1:3 1:3

SLOPE = 0.28%

SD 637.85 SD 637.71

22.0 22.0

USFL = 637.84 DSFL = 637.72

PIPE CULVERT, CLASS A, TYPE 1, 27″ ERS X 44′
CONCRETE FLARED END SECTIONS 27″ ERS, STD 542306, 2 EACH
TRENCH BACKFILL, 5.8 CU YD

ASSUMPTION SOUTH CON.
STA 3+75

PR ROW & AC PR ROW & AC

641.65 641.83 641.48

1:3 1:3 1:3 1:3

SLOPE = 0.10%

SD 636.65 SD 636.72

DSFL = 636.66 USFL = 636.71

22.6′ 33.4′

PIPE CULVERT, CLASS A, TYPE 1, 30″ ERS X 56′
CONCRETE FLARED END SECTIONS 30″ ERS, STD 542306, 2 EACH
TRENCH BACKFILL, 12.6 CU YD

SCALE:
1″ = 10′ HORZ
1″ = 5′ VERT

PIPE SECTIONS - ASC, SD 614, ILL ST, & TR 209

72932

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	185
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	NOTE BOOK	NO.	BY	DATE
SURVEYED				
PLOTTED				
TYPED				
AREAS				
AREAS CHECKED				

ORIGINAL SURVEY	NOTE BOOK	NO.	BY	DATE
SURVEYED				
PLOTTED				
TYPED				
AREAS				
AREAS CHECKED				

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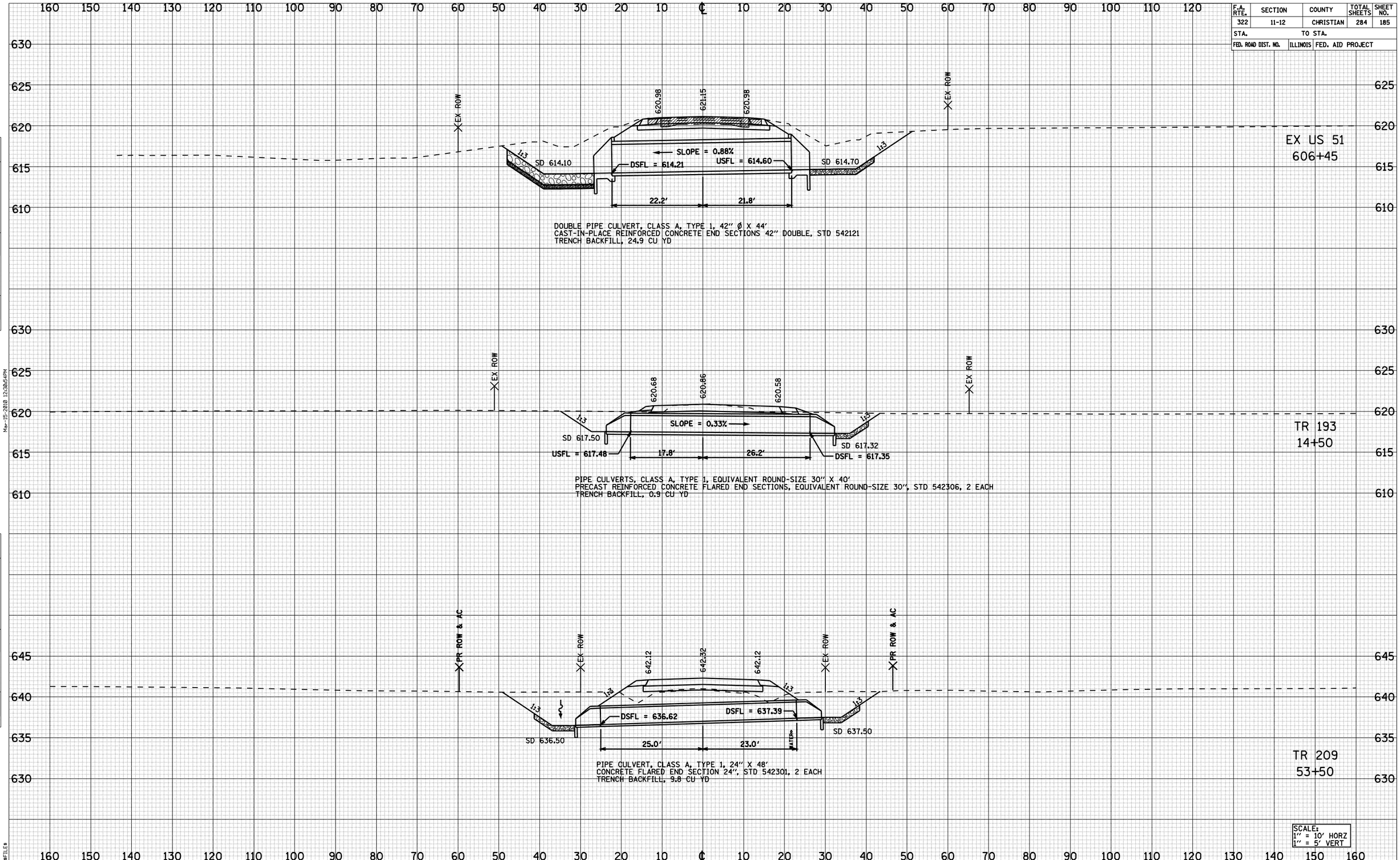

PIPE SECTIONS - TR 193, & EX US 51

72932

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	186
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120

655 650 645 640 635

EX ROW PR AC

EX ROW

PR ROW & AC

48.40'

CROSSOVER "A"
STA 101+00.00

1:3 1:6 1:6 1:3

STAGE 2 STAGE 1

TEL

SD FL=639.19

SD FL=638.86

2" SAN.

STAGE 1 CUT=8.8 SQ YD FILL=0.8 SQ YD T.S.=1.1 SQ YD
STAGE 2 CUT=3.2 SQ YD FILL=0.8 SQ YD T.S.=0.9 SQ YD

552+00

49.01'

CROSSOVER "A"
STA 100+00.00

1:3 1:6 1:6 1:3

STAGE 2 STAGE 1

TEL

SD FL=639.45

SD FL=639.14

BEGIN LT SD
STA 550+80 ELEV = 639.50
GRADE = -0.26%

BEGIN RT SD
STA 550+80 ELEV = 639.20
GRADE = -0.29%

2" SAN.

STAGE 1 CUT=3.9 SQ YD FILL=0.9 SQ YD T.S.=1.2 SQ YD
STAGE 2 CUT=2.9 SQ YD FILL=0.4 SQ YD T.S.=1.1 SQ YD

551+00

550+00

SCALE:
1" = 10' HORZ
1" = 5' VERT

FAP 322 (US 51) STA 550+00 TO STA 552+00

FINAL SURVEY	BY	DATE
NOTE BOOK		
SURVEYED		
PLOTTED		
TYING R.E.		
AREAS		
AREAS CHECKED		
NO.		

ORIGINAL SURVEY	BY	DATE
NOTE BOOK		
SURVEYED		
PLOTTED		
TYING R.E.		
AREAS		
AREAS CHECKED		
NO.		

Mon-15-2010 02:55:48PM

#FILE#

72932

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	187
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
TYPING DATE		
AREAS		
AREAS CHECKED		
NO.		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
TYPING DATE		
AREAS		
AREAS CHECKED		
NO.		

Mar-15-2010 02:55:57PM

$FILE$

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120

655 650 645 640 635

EX ROW PR AC

CROSSOVER "A" STA 104+00.17

39.07'

EX ROW

644.66 644.84 644.66

PR ROW & AC

BEGIN RT SD
STA 555+00 ELEV = 638.00
GRADE = -0.30%

END RT SD
STA 555+00 ELEV = 638.00
GRADE = -0.29%

1:6 1:3 1:40

STAGE 2 STAGE 1

SD FL=638.41

SD FL=638.00

TEL

2" SAN

STAGE 1 CUT=7.4 SQ YD FILL=19.5 SQ YD T.S.=3.1 SQ YD
STAGE 2 CUT=1.9 SQ YD FILL=0.3 SQ YD T.S.=0.7 SQ YD

555+00

CROSSOVER "A" STA 103+00.07

43.43'

SD FL=638.67

SD FL=638.29

STAGE 1 CUT=12.3 SQ YD FILL=1.4 SQ YD T.S.=2.7 SQ YD
STAGE 2 CUT=2.0 SQ YD FILL=0.3 SQ YD T.S.=0.7 SQ YD

554+00

CROSSOVER "A" STA 102+00.02

46.54'

SD FL=638.93

SD FL=638.57

STAGE 1 CUT=3.8 SQ YD FILL=0.7 SQ YD T.S.=1.0 SQ YD
STAGE 2 CUT=2.7 SQ YD FILL=0.4 SQ YD T.S.=0.8 SQ YD

553+00

SCALE:
1" = 10' HORZ
1" = 5' VERT

FAP 322 (US 51) STA 553+00 TO STA 555+00

72932

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	188
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY — NOTE BOOK — NO. — BY — DATE
SURVEYED — PLOTTED — TYPED — AREAS — AREAS CHECKED

ORIGINAL SURVEY — NOTE BOOK — NO. — BY — DATE
SURVEYED — PLOTTED — TYPED — AREAS — AREAS CHECKED

Mon-15-2010 02:56:26 PM

#FILE#

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120

660 655 650 645 640 635

EX ROW PR AC — TEL — 2" SAN — SB TRANSITION STA 200+49.98 — CROSSOVER "A" STA 107+00.89 — EX ROW — PR ROW & AC

49.02′ — 18.44′

641.13 — 641.31 — 640.73 — 640.55 — 640.37 — 643.66 — 643.84 — 643.66

1:3 — 1:6 — 1:3

SD FL=637.63 — SD FL=639.27 — SD FL=637.09

STAGE 2 STAGE 1

STAGE 1 CUT=2.6 SQ YD FILL=21.4 SQ YD T.S.=2.3 SQ YD
STAGE 2 CUT=1.0 SQ YD FILL=2.4 SQ YD T.S.=1.0 SQ YD

558+00

EX ROW PR AC — TEL — 2" SAN — CROSSOVER "A" STA 106+00.56 — EX ROW — PR ROW & AC

26.57′

643.99 — 644.17 — 643.99

1:3 — 1:6

SD FL=637.89 — SD FL=638.84 — SD FL=637.39

STAGE 2 STAGE 1

STAGE 1 CUT=4.4 SQ YD FILL=20.7 SQ YD T.S.=2.5 SQ YD
STAGE 2 CUT=1.4 SQ YD FILL=0.8 SQ YD T.S.=0.8 SQ YD

557+00

EX ROW PR AC — TEL — 2" SAN — CROSSOVER "A" STA 105+00.32 — EX ROW — PR ROW & AC

33.45′

644.33 — 644.51 — 644.33

1:3 — 1:6

SD FL=638.15 — SD FL=638.41 — SD FL=637.70

STAGE 2 STAGE 1

BEGIN MED SD
STA 555+50 ELEV = 638.20
GRADE = +0.43%

STAGE 1 CUT=5.5 SQ YD FILL=20.7 SQ YD T.S.=2.7 SQ YD
STAGE 2 CUT=1.8 SQ YD FILL=0.5 SQ YD T.S.=0.7 SQ YD

556+00

SCALE:
1″ = 10′ HORZ
1″ = 5′ VERT

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

FAP 322 (US 51) STA 556+00 TO STA 558+00

72932

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	189
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TYPING DATE		
NOTE BOOK		
AREAS		
NO.	AREAS CHECKED	

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TYPING DATE		
NOTE BOOK		
AREAS		
NO.	AREAS CHECKED	

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120

660 655 650 645 640 635

EX ROW PR AC

46.75′ .56′

SB TRANSITION STA 202+49.99

CROSSOVER "A" STA 109+01.79

641.59 641.77 641.74 641.92

FL=639.68

EX ROW 642.10

643.00 643.18 643.00

PR ROW & AC

1:6 1:3 1:2

STAGE 2 STAGE 1

STAGE 1 CUT=2.8 SQ YD FILL=28.9 SQ YD T.S.=1.3 SQ YD
STAGE 2 CUT=0.8 SQ YD FILL=4.8 SQ YD T.S.=1.2 SQ YD

SD FL=637.41

TEL

2" SAN

BEGIN LT SD
STA 559+28 ELEV = 637.30
GRADE = +0.15%

SD FL=636.81

BEGIN RT SD
STA 559+28 ELEV = 636.70
GRADE = +0.15%

560+00

48.27′ 9.09′

SB TRANSITION STA 201+49.98

CROSSOVER "A" STA 108+01.33

641.30 641.48 641.21 641.12 641.03

FL=640.01

EX ROW

643.33 643.51 643.33

END LT SD
STA 559+28 ELEV = 637.30
GRADE = -0.26%

SD FL=637.37

SD FL=639.70

END MED SD
STA 559+00 ELEV = 639.70
GRADE = +0.43%

END RT SD
STA 559+28 ELEV = 636.70
GRADE = -0.30%

SD FL=636.79

TOE

STAGE 1 CUT=2.9 SQ YD FILL=25.2 SQ YD T.S.=1.9 SQ YD
STAGE 2 CUT=0.8 SQ YD FILL=4.4 SQ YD T.S.=1.3 SQ YD

559+00

SCALE:
1″ = 10′ HORZ
1″ = 5′ VERT

FAP 322 (US 51) STA 559+00 TO STA 560+00

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72932

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	190
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120

655 650 645 640 635

EX ROW PR AC

SB TRANSITION STA 204+50.07

41.40′ 17.18′

CROSSOVER "A" STA 111+02.49

EX ROW

PR ROW & AC

642.14 642.32 642.37 642.55 642.37

1:3 1:6 1:6 1:6 1:3

TEL

2" SAN

SD FL=637.71

STAGE 2 STAGE 1

FL=639.05

SD FL=637.11

STAGE 1 CUT=14.8 SQ YD FILL=1.1 SQ YD T.S.=2.1 SQ YD
STAGE 2 CUT=1.6 SQ YD FILL=6.1 SQ YD T.S.=1.6 SQ YD

562+00

655 650 645 640 635

EX ROW PR AC

SB TRANSITION STA 203+95.04

43.17′ 13.12′

EX ROW CROSSOVER "A" STA 110+47.34

18.8′ 10.0′ V.C. 56.2′

STA 561+45 AGG FE

-4.0% -1.0%

PR ROW

642.01 642.19 642.52 642.70 642.52

1:3 1:6 1:6 1:6 1:3

TEL

2" SAN

SD FL=637.62

STAGE 2 STAGE 1

FL=639.20

PROP 36" CS/A PIPE CULVERT
FL = 637.02

561+45

660 655 650 645 640 635

EX ROW PR AC

SB TRANSITION STA 203+50.02

44.46′ 9.50′

CROSSOVER "A" EX ROW STA 110+02.19

PR ROW & AC

641.88 642.06 642.19 642.35 642.66 642.84 642.66

1:3 1:6 1:6 1:6 1:3

TEL

2" SAN

SD FL=637.56

FL=639.34

STAGE 2 STAGE 1

SD FL=636.96

STAGE 1 CUT=4.0 SQ YD FILL=17.2 SQ YD T.S.=1.4 SQ YD
STAGE 2 CUT=1.1 SQ YD FILL=6.0 SQ YD T.S.=1.3 SQ YD

561+00

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

SCALE:
1″ = 10′ HORZ
1″ = 5′ VERT

FAP 322 (US 51) STA 561+00 TO STA 562+00

FINAL SURVEY	NOTE BOOK	NO.
	SURVEYED	BY
	PLOTTED	DATE
	TRIANGLE AREAS	AREAS CHECKED

ORIGINAL SURVEY	NOTE BOOK	NO.
	SURVEYED	BY
	PLOTTED	DATE
	TRIANGLE AREAS	AREAS CHECKED

Mar-15-2010 02:56:22 PM

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72932

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	191
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TOTALS — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TOTALS — AREAS — AREAS CHECKED — BY — DATE

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#FILE#

565+00

EX ROW PR AC — TEL — 2" SAN — SD FL=638.15 — 1:3 — 1:6 — 641.92 — 642.10 — 641.92 — MED FL=638.60 — STAGE 2 | STAGE 1 — 1:6 — 641.92 — 642.10 — 641.92 — 1:6 — 1:3 — SD FL=637.56 — EX ROW — CROSSOVER "A" STA 114+02.90 — 32.69' — PR ROW & AC

STAGE 1 CUT=3.8 SQ YD FILL=8.4 SQ YD T.S.=1.9 SQ YD
STAGE 2 CUT=1.0 SQ YD FILL=6.0 SQ YD T.S.=1.1 SQ YD

564+00

EX ROW PR AC — TEL — 2" SAN — SD FL=638.01 — 1:3 — 1:6 — 642.06 — SB TRANSITION STA 206+50.11 — 642.24 — 1:6 — STAGE 2 — FL=638.67 — STAGE 1 — 1:6 — 641.99 — CROSSOVER "A" STA 113+02.83 — 642.17 — 641.99 — 1:6 — 1:3 — SD FL=637.41 — EX ROW — 37.27' — 28.77' — PR ROW & AC

STAGE 1 CUT=7.2 SQ YD FILL=0.8 SQ YD T.S.=1.8 SQ YD
STAGE 2 CUT=0.9 SQ YD FILL=5.3 SQ YD T.S.=1.5 SQ YD

563+00

EX ROW PR AC — TEL — 2" SAN — SD FL=637.86 — 1:3 — 1:6 — 642.20 — SB TRANSITION STA 205+50.10 — 642.38 — 1:6 — STAGE 2 — FL=638.82 — STAGE 1 — 1:6 — 642.14 — CROSSOVER "A" STA 112+02.89 — 642.32 — 642.14 — 1:6 — 1:3 — SD FL=637.26 — EX ROW — 38.71' — 23.61' — PR ROW & AC

STAGE 1 CUT=20.5 SQ YD FILL=1.0 SQ YD T.S.=2.1 SQ YD
STAGE 2 CUT=1.5 SQ YD FILL=6.3 SQ YD T.S.=1.7 SQ YD

SCALE:
1" = 10' HORZ
1" = 5' VERT

FAP 322 (US 51) STA 563+00 TO STA 565+00

72932

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	192
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TRACED — AREAS — AREAS CHECKED — DATE — BY

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TRACED — AREAS — AREAS CHECKED — DATE — BY

Mon-15-2010 02:56:39PM

#FILE#

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120

655 650 645 640 635 660

EX ROW — TGE — PR ROW & AC

STA 567+91 16.0' AGG FE

5.6' — 10.0' V.C. — 9.7' — 10.0' V.C. — 15.0'

-1.0% — -8.0% — -1.0%

642.11 — 642.29 — 642.11 — 642.11 — 642.29 — 642.11

1:5.7 — 1:5.7 — 1:6 — 1:3 — 1:3

TEL — 2" SAN

PROP 24" CS/A PIPE CULVERT
FL = 638.59

MED SD=639.17

SD FL=637.99

STAGE 2 | STAGE 1

567+91

36.75'

CROSSOVER "A"
STA 116+02.96

EX ROW PR AC — EX ROW — PR ROW & AC

641.98 — 642.16 — 641.98 — 642.16 — 641.98 — 642.16 — 641.98

1:3 — 1:6 — 1:6 — 1:6 — 1:6 — 1:3 — 1:3

TEL — 2" SAN

SD FL=638.45

MED SD=638.98

SD FL=637.86

STAGE 2 | STAGE 1

567+00

STAGE 1 CUT=1.8 SQ YD FILL=8.7 SQ YD T.S.=1.3 SQ YD
STAGE 2 CUT=1.1 SQ YD FILL=6.0 SQ YD T.S.=1.5 SQ YD

35.35'

CROSSOVER "A"
STA 115+02.94

EX ROW PR AC — EX ROW — PR ROW & AC

641.91 — 642.09 — 641.91 — 642.09 — 641.91 — 642.09 — 641.91

1:3 — 1:6 — 1:5 — 1:5 — 1:6 — 1:3 — 1:3

TEL — 2" SAN

SD FL=638.30

MED SD=638.78

SD FL=637.71

STAGE 2 | STAGE 1

BEGIN MED SD
STA 565+55 ELEV = 638.69
GRADE = +0.20%

566+00

STAGE 1 CUT=2.1 SQ YD FILL=8.8 SQ YD T.S.=1.3 SQ YD
STAGE 2 CUT=1.9 SQ YD FILL=6.0 SQ YD T.S.=1.6 SQ YD

SCALE:
1" = 10' HORZ
1" = 5' VERT

FAP 322 (US 51) STA 566+00 TO STA 567+91

72932

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	193
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120

655 650 645 640 635

EX ROW PR AC — TEL — 2" SAN — EX ROW — PR ROW & AC

642.63 642.81 642.63 642.46 642.63 642.81 642.63 642.48

1:3 1:6 1:4 1:6 1:3

SD FL=638.90 MED SD=639.59 SD FL=638.30

STAGE 2 | STAGE 1

STAGE 1 CUT=2.1 SQ YD FILL=8.8 SQ YD T.S.=1.2 SQ YD
STAGE 2 CUT=2.1 SQ YD FILL=8.9 SQ YD T.S.=1.8 SQ YD

570+00

642.34 642.52 642.34 642.25 642.34 642.52 642.34 642.27

1:3 1:6 1:5 1:6 1:3

SD FL=638.75 MED SD=639.39 SD FL=638.15

STAGE 2 | STAGE 1

STAGE 1 CUT=1.7 SQ YD FILL=10.1 SQ YD T.S.=1.3 SQ YD
STAGE 2 CUT=0.9 SQ YD FILL=7.6 SQ YD T.S.=1.6 SQ YD

569+00

642.12 642.30 642.12 642.11 642.30 642.12

1:3 1:6 1:6 1:6 1:3

SD FL=638.60 MED SD=639.19 SD FL=638.00

STAGE 2 | STAGE 1

STAGE 1 CUT=1.8 SQ YD FILL=10.4 SQ YD T.S.=1.3 SQ YD
STAGE 2 CUT=1.7 SQ YD FILL=7.0 SQ YD T.S.=1.6 SQ YD

568+00

SCALE:
1" = 10' HORZ
1" = 5' VERT

FAP 322 (US 51) STA 568+00 TO STA 570+00

FINAL SURVEY	NO.	BY	DATE
NOTE BOOK			
SURVEYED			
PLOTTED			
TYPING DATE			
AREAS			
AREAS CHECKED			

ORIGINAL SURVEY	NO.	BY	DATE
NOTE BOOK			
SURVEYED			
PLOTTED			
TYPING DATE			
AREAS			
AREAS CHECKED			

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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	194
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	NOTE BOOK	NO.
SURVEYED	BY	DATE
PLOTTED		
TOPO DATE		
AREAS		
AREAS CHECKED		

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120

655 650 645 640 635

EX ROW PR AC — TEL — 2" SAN. — WATER SERVICE — SD FL=639.35 — 643.78 — 643.96 — 643.78 — EX ROW — 643.54 — 643.78 — 643.96 — 643.78 — 643.54 — PR ROW & AC — SD FL=638.75 — MED FL=640.46

1:3 1:3 1:6 1:4 1:4 1:6 1:3 1:3

STAGE 2 STAGE 1

STAGE 1 CUT=4.0 SQ YD FILL=8.0 SQ YD T.S.=1.3 SQ YD
STAGE 2 CUT=3.6 SQ YD FILL=7.8 SQ YD T.S.=1.8 SQ YD

573+00

655 650 645 640 635

EX ROW PR AC — TEL — 2" SAN. — SD FL=639.20 — 643.39 — 643.57 — 643.39 — EX ROW — 643.15 — 643.39 — 643.57 — 643.39 — 643.15 — PR ROW & AC — SD FL=638.60 — MED FL=640.07

1:3 1:3 1:6 1:4 1:4 1:6 1:3 1:3

STAGE 2 STAGE 1

STAGE 1 CUT=3.8 SQ YD FILL=6.4 SQ YD T.S.=1.2 SQ YD
STAGE 2 CUT=4.8 SQ YD FILL=6.5 SQ YD T.S.=1.9 SQ YD

572+00

655 650 645 640 635

EX ROW PR AC — TEL — 2" SAN. — SD FL=639.05 — 642.99 — 643.17 — 642.99 — END MED SD STA 571+50 ELEV = 639.90 GRADE = +0.20% — EX ROW — 642.75 — 642.99 — 643.17 — 642.99 — 642.76 — PR ROW & AC — SD FL=638.45 — MED SD=639.80

1:3 1:3 1:6 1:4 1:4 1:6 1:3 1:3

STAGE 2 STAGE 1

STAGE 1 CUT=3.4 SQ YD FILL=5.7 SQ YD T.S.=1.1 SQ YD
STAGE 2 CUT=4.3 SQ YD FILL=6.1 SQ YD T.S.=1.8 SQ YD

571+00

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

SCALE:
1" = 10' HORZ
1" = 5' VERT

FAP 322 (US 51) STA 571+00 TO STA 573+00

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72932

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	195
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TRIANGULATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TRIANGULATE — AREAS — AREAS CHECKED — BY — DATE

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160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120

655 650 645 640 635

EX ROW PR AC — PR ROW & AC — EX ROW — TEL — 2" SAN — WATER SERVICE

1:3 1:6 1:4

645.14 645.38 645.56 645.38 645.14 645.38 645.56 645.38

SD FL=640.40

MED FL=642.06

SD FL=639.35

STAGE 2 STAGE 1

STAGE 1 CUT=4.7 SQ YD FILL=13.4 SQ YD T.S.=1.6 SQ YD
STAGE 2 CUT=2.0 SQ YD FILL=17.6 SQ YD T.S.=1.5 SQ YD

577+00

644.74 644.98 645.16 644.98 644.74 644.98 645.16 644.98

SD FL=640.10

MED FL=641.66

SD FL=639.20

SEE SHEET ** FOR PIPE / INLET DETAILS

STAGE 1 CUT=4.0 SQ YD FILL=11.8 SQ YD T.S.=1.1 SQ YD
STAGE 2 CUT=2.4 SQ YD FILL=14.7 SQ YD T.S.=1.0 SQ YD

576+00

BEGIN LT SD
STA 574+00 ELEV = 639.50
GRADE = +0.30%

644.12 644.18 644.36 644.18 644.18 643.94 644.18 644.36 644.18 643.94

SD FL=639.50

MED FL=641.04

SD FL=638.90

END LT SD
STA 574+00 ELEV = 639.50
GRADE = +0.15%

STAGE 1 CUT=3.7 SQ YD FILL=9.3 SQ YD T.S.=0.8 SQ YD
STAGE 2 CUT=3.2 SQ YD FILL=9.4 SQ YD T.S.=1.3 SQ YD

574+00

SCALE:
1" = 10' HORZ
1" = 5' VERT

FAP 322 (US 51) STA 574+00 TO STA 577+00

72932

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	196
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TOPO MAP		
NOTE BOOK		
AREAS		
NO.	AREAS CHECKED	

Mar-15-2010 02:57:14 PM

#FILE#

580+00

EX ROW PR AC — TEL — 2" SAN — EX ROW — EX ROW — PR ROW & AC

646.45 — 646.57 — 646.75 — 646.57 — 646.43 — 646.57 — 646.75 — 646.57

1:6 — 1:3 — 1:3 — 1:4 — 1:4 — 1:6 — 1:3 — 1:3

SD FL=641.30

MED FL=643.25

STAGE 2 STAGE 1

STAGE 1 CUT=6.2 SQ YD FILL=15.4 SQ YD T.S.=2.0 SQ YD
STAGE 2 CUT=1.8 SQ YD FILL=19.8 SQ YD T.S.=1.6 SQ YD

BEGIN RT SD
STA 580+00 ELEV = 639.80
GRADE = +0.56%

SD FL=639.80

END RT SD
STA 580+00 ELEV = 639.80
GRADE = +0.15%

579+00

EX ROW PR AC — TEL — 2" SAN — EX ROW — EX ROW — PR ROW & AC

645.97 — 646.17 — 646.35 — 646.17 — 645.95 — 646.17 — 646.35 — 646.17

1:6 — 1:3 — 1:3 — 1:4 — 1:4 — 1:6 — 1:3 — 1:3

SD FL=641.00

MED FL=642.85

STAGE 2 STAGE 1

STAGE 1 CUT=5.7 SQ YD FILL=14.4 SQ YD T.S.=1.8 SQ YD
STAGE 2 CUT=1.9 SQ YD FILL=19.5 SQ YD T.S.=1.5 SQ YD

SD FL=639.65

578+00

EX ROW PR AC — TEL — 2" SAN — EX ROW — EX ROW — PR ROW & AC

645.53 — 645.77 — 645.95 — 645.77 — 645.53 — 645.77 — 645.95 — 645.77

1:6 — 1:3 — 1:3 — 1:4 — 1:4 — 1:6 — 1:3 — 1:3

SD FL=640.70

MED FL=642.45

STAGE 2 STAGE 1

STAGE 1 CUT=4.5 SQ YD FILL=15.1 SQ YD T.S.=1.7 SQ YD
STAGE 2 CUT=2.0 SQ YD FILL=19.1 SQ YD T.S.=1.5 SQ YD

SD FL=639.50

SCALE:
1" = 10' HORZ
1" = 5' VERT

FAP 322 (US 51) STA 578+00 TO STA 580+00

72932

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	197
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	BY	DATE
NOTE BOOK		
SURVEYED		
PLOTTED		
TOPO MAP		
AREAS		
AREAS CHECKED		
NO.		

ORIGINAL SURVEY	BY	DATE
NOTE BOOK		
SURVEYED		
PLOTTED		
TOPO MAP		
AREAS		
AREAS CHECKED		
NO.		

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120

660 655 650 645 640

EX ROW PR AC — EX ROW — PR ROW & AC

647.76 647.94 647.76

1:6 1:3 1:3 1:5 1:5 1:6

TEL

2" SAN

SD FL=642.20

MED FL=644.44

STAGE 2 STAGE 1

SD FL=641.48

STAGE 1 CUT=5.8 SQ YD FILL=12.1 SQ YD T.S.=1.8 SQ YD
STAGE 2 CUT=2.7 SQ YD FILL=22.0 SQ YD T.S.=1.9 SQ YD

583+00

647.37 647.55 647.37

SD FL=641.90

MED FL=644.05

STAGE 2 STAGE 1

SD FL=640.92

STAGE 1 CUT=6.5 SQ YD FILL=12.4 SQ YD T.S.=1.9 SQ YD
STAGE 2 CUT=1.8 SQ YD FILL=19.8 SQ YD T.S.=1.8 SQ YD

582+00

646.92 646.97 647.15 646.97 646.90 646.97 647.15 646.97

SD FL=641.60

MED FL=643.65

STAGE 2 STAGE 1

SD FL=640.36

STAGE 1 CUT=5.9 SQ YD FILL=16.1 SQ YD T.S.=1.9 SQ YD
STAGE 2 CUT=1.5 SQ YD FILL=20.6 SQ YD T.S.=1.7 SQ YD

581+00

SCALE:
1" = 10' HORZ
1" = 5' VERT

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

FAP 322 (US 51) STA 581+00 TO STA 583+00

Mon-15-2010 02:57:22PM

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72932

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	198
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120

660 655 650 645 640

EX ROW PR AC — 648.82 — 649.00 — 648.82 — EX ROW — 648.82 — 649.00 — 648.82 — PR ROW & AC

1:6 1:5 1:5 1:6

1:3 1:3 TEL 2" SAN

SD FL=641.90

STAGE 2 STAGE 1

MED SD=645.52

BEGIN MED SD
STA 585+40 ELEV = 645.33
GRADE = +0.32%

STAGE 1 CUT=4.4 SQ YD FILL=17.6 SQ YD T.S.=1.9 SQ YD
STAGE 2 CUT=4.3 SQ YD FILL=25.7 SQ YD T.S.=2.1 SQ YD

SD FL=642.27

586+00

EX ROW PR AC — 648.52 — 648.70 — 648.52 — EX ROW — 648.52 — 648.70 — 648.52 — PR ROW & AC

1:6 1:5 1:5 1:6

1:3 1:3 TEL 2" SAN

SD FL=642.20

MED FL=645.20

STAGE 2 STAGE 1

STAGE 1 CUT=3.0 SQ YD FILL=17.5 SQ YD T.S.=1.7 SQ YD
STAGE 2 CUT=3.8 SQ YD FILL=25.2 SQ YD T.S.=2.0 SQ YD

BEGIN RT SD
STA 585+00 ELEV = 642.60
GRADE = -0.33%

SD FL=642.60

END RT SD
STA 585+00 ELEV = 642.60
GRADE = +0.56%

585+00

EX ROW PR AC — 648.16 — 648.34 — 648.16 — EX ROW — 648.16 — 648.34 — 648.16 — PR ROW & AC

1:6 1:5 1:5 1:6

1:3 1:3 TEL 2" SAN

BEGIN LT SD
STA 584+00 ELEV = 642.50
GRADE = -0.30%

SD FL=642.50

END LT SD
STA 584+00 ELEV = 642.50
GRADE = +0.30%

MED FL=644.84

STAGE 2 STAGE 1

STAGE 1 CUT=4.5 SQ YD FILL=14.3 SQ YD T.S.=1.7 SQ YD
STAGE 2 CUT=2.7 SQ YD FILL=23.7 SQ YD T.S.=1.9 SQ YD

SD FL=642.04

584+00

SCALE:
1" = 10' HORZ
1" = 5' VERT

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

FAP 322 (US 51) STA 584+00 TO STA 586+00

FINAL SURVEY	NOTE BOOK	NO.
	SURVEYED	BY
	PLOTTED	DATE
	TRIANGULATE	
	AREAS	
	AREAS CHECKED	

ORIGINAL SURVEY	NOTE BOOK	NO.
	SURVEYED	BY
	PLOTTED	DATE
	TRIANGULATE	
	AREAS	
	AREAS CHECKED	

Mar-15-2010 02:57:21PM

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72932

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	199
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	NOTE BOOK	SURVEYED	PLOTTED	TOPO FILE	AREAS	AREAS CHECKED	NO.	BY	DATE
ORIGINAL SURVEY	NOTE BOOK	SURVEYED	PLOTTED	TOPO FILE	AREAS	AREAS CHECKED	NO.	BY	DATE

Mon-15-2010 02:57:48PM

#FILE#

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120

655 650 645 640

EX ROW PR AC — TEL — SD FL=641.00 — 2" SAN — 1:3 — 1:6 — 649.27 — 649.45 — 649.27 — END MED SD STA 589+68 ELEV = 646.70 GRADE = +0.32% — MED SD=646.48 — 1:6 — EX ROW — 649.21 — 649.27 — 649.45 — 649.27 — 1:6 — 1:3 — SD FL=641.28 — PR ROW — TCE

STAGE 2 — STAGE 1

STAGE 1 CUT=3.8 SQ YD FILL=40.1 SQ YD T.S.=2.0 SQ YD
STAGE 2 CUT=17 SQ YD FILL=43.6 SQ YD T.S.=2.0 SQ YD

589+00

655 650 645 640

EX ROW PR AC — TEL — SD FL=641.30 — 2" SAN — 1:3 — 1:6 — 649.19 — 649.37 — 649.19 — 1:6 — EX ROW — 649.19 — 649.37 — 649.19 — 1:6 — 1:3 — SD FL=641.61 — PR ROW & AC

STAGE 2 — STAGE 1 — MED SD=646.16

STAGE 1 CUT=3.1 SQ YD FILL=33.0 SQ YD T.S.=2.0 SQ YD
STAGE 2 CUT=3.5 SQ YD FILL=37.0 SQ YD T.S.=2.1 SQ YD

588+00

655 650 645 640

EX ROW PR AC — TEL — SD FL=641.60 — 2" SAN — 1:3 — 1:6 — 649.04 — 649.22 — 649.04 — 1:5 — EX ROW — 649.04 — 649.22 — 649.04 — 1:6 — 1:3 — SD FL=641.94 — PR ROW & AC

STAGE 2 — STAGE 1 — MED SD=645.84

STAGE 1 CUT=3.2 SQ YD FILL=28.6 SQ YD T.S.=1.9 SQ YD
STAGE 2 CUT=3.4 SQ YD FILL=34.9 SQ YD T.S.=2.1 SQ YD

587+00

SCALE:
1" = 10' HORZ
1" = 5' VERT

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

FAP 322 (US 51) STA 587+00 TO STA 589+00

72932

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	200
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TOPO MAP		
NOTE BOOK		
AREAS		
NO.	AREAS CHECKED	

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TOPO MAP		
NOTE BOOK		
AREAS		
NO.	AREAS CHECKED	

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120

655 650 645 640

EX ROW PR AC

SD FL=640.40

TEL

2" SAN

1:3 1:6

649.97 649.60 649.23

3.1% 3.1%

MED SD=646.28

1:5 1:4

649.13 649.23 648.86 648.49

0.9% 3.1% 3.1%

EX ROW

STAGE 2

STAGE 1

PR ROW & AC

SD FL=640.62

STAGE 1 CUT=1.2 SQ YD FILL=56.3 SQ YD T.S.=1.7 SQ YD
STAGE 2 CUT=0.5 SQ YD FILL=55.4 SQ YD T.S.=1.9 SQ YD

591+00

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655 650 645 640

EX ROW PR AC

SD FL=640.70

TEL

2" SAN

649.57 649.47 649.29

0.9% 1.5%

MED SD=646.60

649.14 649.29 649.18 649.00

2.0% 0.9% 1.5%

EX ROW

STAGE 2

STAGE 1

PR ROW & AC

SD FL=640.95

STAGE 1 CUT=1.9 SQ YD FILL=49.4 SQ YD T.S.=1.8 SQ YD
STAGE 2 CUT=0.9 SQ YD FILL=51.0 SQ YD T.S.=2.0 SQ YD

590+00

655 650 645 640

EX ROW PR AC

SD FL=640.97

TEL

2" SAN

649.28 649.46 649.28

MED SD=646.51

649.20 649.28 649.46 649.28

EX ROW

STAGE 2

STAGE 1

BEGIN MED SD
STA 589+68 ELEV = 646.70
GRADE = -0.32%

1.0' 10.0' V.C. 48.1' 10.0' V.C. 1.9'

STA 589+10 A6.0' AGG FE

-4.0% -8.0% -1.0%

PR ROW

TCE

PROP 24" CS/A PIPE CULVERT
FL = 641.25

589+10

SCALE:
1" = 10' HORZ
1" = 5' VERT

#FILE#

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

FAP 322 (US 51) STA 589+10 TO STA 591+00