

SHEET NO.	DESCRIPTION
1	COVER SHEET WITH INDEX OF SHEETS
2	GENERAL NOTES AND LIST OF STATE STANDARDS
3-4	SUMMARY OF QUANTITIES
5-6	TYPICAL SECTIONS
7-8	SCHEDULES OF QUANTITIES
9-11	DRAINAGE SCHEDULES
12-13	ALIGNMENT, TIES AND BENCHMARKS
14	DETOUR PLAN
15-18	EXISTING CONDITIONS/REMOVAL PLANS
19-26	PROPOSED ROADWAY PLAN AND PROFILE
27	PARKING LOT PLAN
28-29	BIKE PATH PROFILE
30-37	DRAINAGE PLAN AND PROFILE
38-41	EROSION AND SEDIMENT CONTROL PLAN
42-44	PAVEMENT MARKINGS AND SIGNING
45-47	LANDSCAPING PLAN
48-57	DISTRICT DETAILS
58-61	VILLAGE OF ALGONQUIN DETAILS
62-83	CROSS SECTIONS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

FAU ROUTE 4007 (HIGHLAND AVENUE)
FAU 4009 (TANGLEWOOD DRIVE/TANGLEWOOD COURT)
TO FAU 3875 (HAEGERS BEND ROAD)
WIDENING AND RECONSTRUCTION
SECTION 14-00088-00-PW
PROJECT NO. M-4003(377)
VILLAGES OF ALGONQUIN AND BARRINGTON HILLS
McHENRY COUNTY
JOB NO. C-91-423-14

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4007	14-00088-00-PW	McHENRY	83	1
ILLINOIS			CONTRACT NO. 61C24	



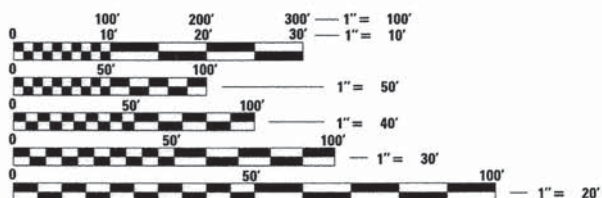
MICHAEL E. KERR
REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS
062-046642
ILLINOIS

DECEMBER 7TH, 2015

[Signature]
MICHAEL E. KERR
ILLINOIS REGISTRATION No. 062-046642
EXPIRATION DATE: 11/30/17

TRAFFIC DATA

HIGHLAND AVE
DESIGN DESIGNATION: MAJOR COLLECTOR
ADT (YEAR) = 1,700 (2013)
SPEED LIMIT = 30 MPH (POSTED)
35 MPH (DESIGN)



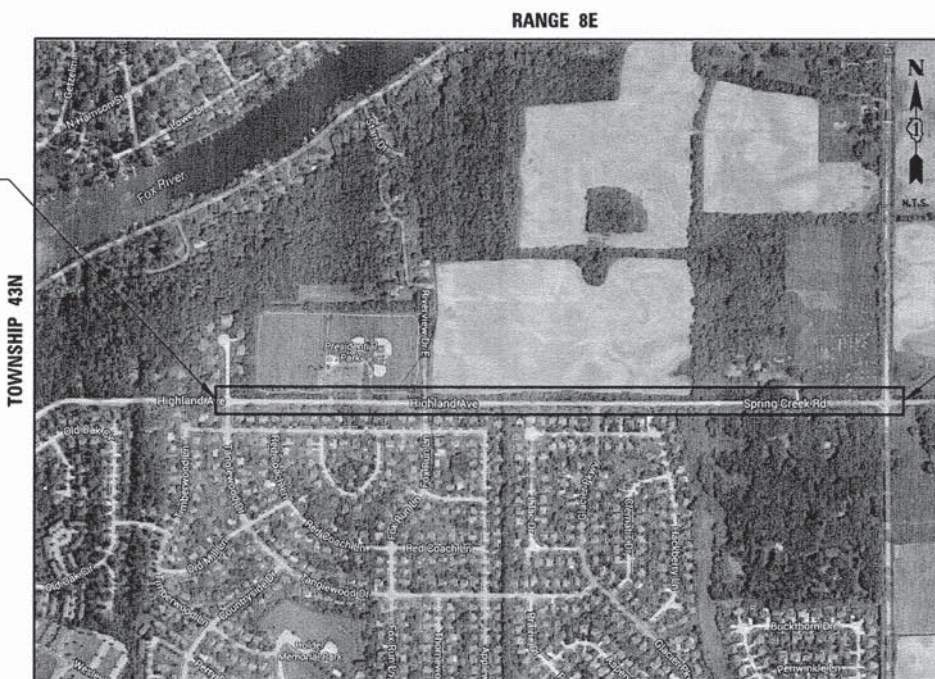
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

CB **CHRISTOPHER B. BURKE** ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018 (847) 823-0500

PROFESSIONAL DESIGN FIRM NO. 184-001175
EXPIRATION DATE: 04/30/17

CONTRACT NO. 61C24



LOCATION MAP

3rd P.M.

GROSS LENGTH = 4638.23 FT. = 0.88 MILE
NET LENGTH = 4638.23 FT. = 0.88 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED *[Signature]*
12/17/2015
VILLAGE OF ALGONQUIN PUBLIC WORKS DIRECTOR

PASSED *[Signature]*
DECEMBER 16, 2015
DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS

RELEASED FOR BID
BASED ON LIMITED
REVIEW *[Signature]*
December 17, 2015
DEPUTY DIRECTOR OF HIGHWAYS, REGION 1 ENGINEER

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

PLAN	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
	CHECKED	
	AT 100% CHECKED	
	FILE NAME	

PROFILE	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
	CHECKED	
	AT 100% CHECKED	
	FILE NAME	

S.P.	CODED PAY ITEM NO.	ITEM	UNIT	STU QUANTITY (FEDERAL/ LOCAL)	100% LOCAL QUANTITY ALGONQUIN	TOTAL QUANTITY CODE 0004
#	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	1728	0	1728
#	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	1740	0	1740
#	20101000	TEMPORARY FENCE	FOOT	3410	0	3410
#	20101100	TREE TRUNK PROTECTION	EACH	10	0	10
#	20101200	TREE ROOT PRUNING	EACH	15	0	15
#	20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	20	0	20
#	20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	30	0	30
	20200100	EARTH EXCAVATION	CU YD	8443	0	8443
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	1208	0	1208
	20800150	TRENCH BACKFILL	CU YD	406	0	406
	21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	3233	0	3233
#	25000100	SEEDING, CLASS 1	ACRE	2.3	0	2.3
#	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	207	0	207
#	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	207	0	207
#	25100630	EROSION CONTROL BLANKET	SQ YD	18501	0	18501
	28000200	EARTH EXCAVATION FOR EROSION CONTROL	CU YD	40	0	40
#	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	134	0	134
	28000305	TEMPORARY DITCH CHECKS	FOOT	540	0	540
	28000400	PERIMETER EROSION BARRIER	FOOT	3390	0	3390
	28000500	INLET AND PIPE PROTECTION	EACH	10	0	10
	28000510	INLET FILTERS	EACH	75	0	75
	28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	18501	0	18501
	28100107	STONE RIPRAP, CLASS A4	SQ YD	430	0	430
	28200200	FILTER FABRIC	SQ YD	430	0	430

S.P.	CODED PAY ITEM NO.	ITEM	UNIT	STU QUANTITY (FEDERAL/ LOCAL)	100% LOCAL QUANTITY ALGONQUIN	TOTAL QUANTITY CODE 0004
*	30300112	AGGREGATE SUBGRADE IMPROVEMENT, 12"	SQ YD	11710	0	11710
	31101180	SUBBASE GRANULAR MATERIAL, TYPE B 2"	SQ YD	188	0	188
	31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	135	0	135
	31101400	SUBBASE GRANULAR MATERIAL, TYPE B 6"	SQ YD	2977	0	2977
	35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	73	0	73
*	40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	40578	2680	43258
	40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGWAYS	TON	5	9	14
	40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	2958	0	2958
	40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	2127	667	2794
	42001300	PROTECTIVE COAT	SQ YD	1635	0	1635
	42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	135	0	135
	42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	1685	0	1685
	42400800	DETECTABLE WARNINGS	SQ FT	340	0	340
	44000100	PAVEMENT REMOVAL	SQ YD	8704	0	8704
	44000164	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	SQ YD	2962	0	2962
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	268	0	268
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	254	0	254
	44000600	SIDEWALK REMOVAL	SQ FT	375	0	375
	44201713	CLASS D PATCHES, TYPE I, 6 INCH	SQ YD	8	0	8
	50105220	PIPE CULVERT REMOVAL	FOOT	233	0	233
	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	32	0	32
*	54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	4	0	4
*	54214509	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 24"	EACH	1	0	1
	542A0217	PIPE CULVERTS, CLASS A, TYPE 1 12"	FOOT	115	0	115
	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	1816	0	1816

S.P.	CODED PAY ITEM NO.	ITEM	UNIT	STU QUANTITY (FEDERAL/ LOCAL)	100% LOCAL QUANTITY ALGONQUIN	TOTAL QUANTITY CODE 0004
	550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	119	0	119
	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	832	0	832
	550A4100	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 24"	FOOT	79	0	79
	55100500	STORM SEWER REMOVAL 12"	FOOT	52	0	52
#	56100015	DUCTILE IRON WATER MAIN TEE, 8" X 6"	EACH	1	0	1
#	56101148	DUCTILE IRON WATER MAIN REDUCER, 8" X 4"	EACH	1	0	1
#	56102900	DUCTILE IRON WATER MAIN 4"	FOOT	100	0	100
#	56103000	DUCTILE IRON WATER MAIN 6"	FOOT	27	0	27
#	56103100	DUCTILE IRON WATER MAIN 8"	FOOT	5	0	5
#	56105000	WATER VALVES 8"	EACH	1	0	1
#	56109430	DUCTILE IRON WATER MAIN FITTINGS 4" 90.00 DEGREE BEND	EACH	2	0	2
#	56400500	FIRE HYDRANTS TO BE REMOVED	EACH	1	0	1
#	56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	1	0	1
*	60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	6	0	6
*	60201105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	10	0	10
*	60201110	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	EACH	9	0	9
*	60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	1	0	1
*	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	17	0	17
*	60236825	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	EACH	49	0	49
*	60248700	VALVE VAULTS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	6	0	6
*	60258200	MANHOLES TO BE RECONSTRUCTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1	0	1
*	60265900	VALVE VAULTS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1	0	1
	60300405	VALVE BOX FRAMES TO BE ADJUSTED	EACH	1	0	1
	60500040	REMOVING MANHOLES	EACH	1	0	1
	60500050	REMOVING CATCH BASINS	EACH	1	0	1

= SPECIALTY ITEM * = SPECIAL PROVISION

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Bloomington, Illinois 61818
(317) 824-0500

USER NAME = jstrick	DESIGNED - MEK	REVISED -
PLOT SCALE = 28'	CHECKED - VMR	REVISED -
PLOT DATE = 12/29/2015	DRAWN - MTV	REVISED -
	CHECKED - 10/27/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

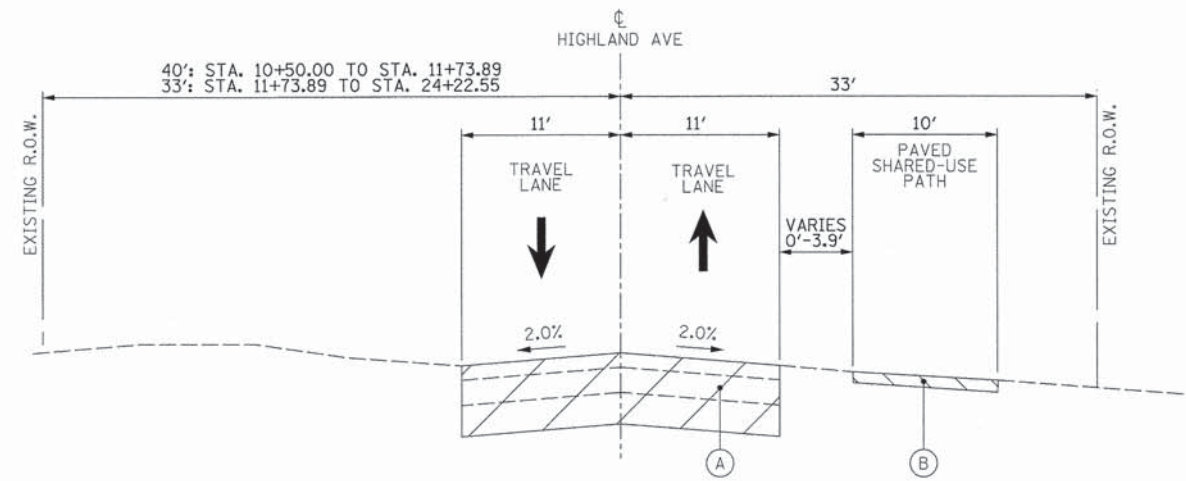
HIGHLAND AVENUE SUMMARY OF QUANTITIES

SCALE: NONE SHEET NO. 1 OF 2 SHEETS STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4007	14-00088-00-PW	MCHENRY	83	3
CONTRACT NO. 61C24			[ILLINOIS] FED. AID PROJECT	

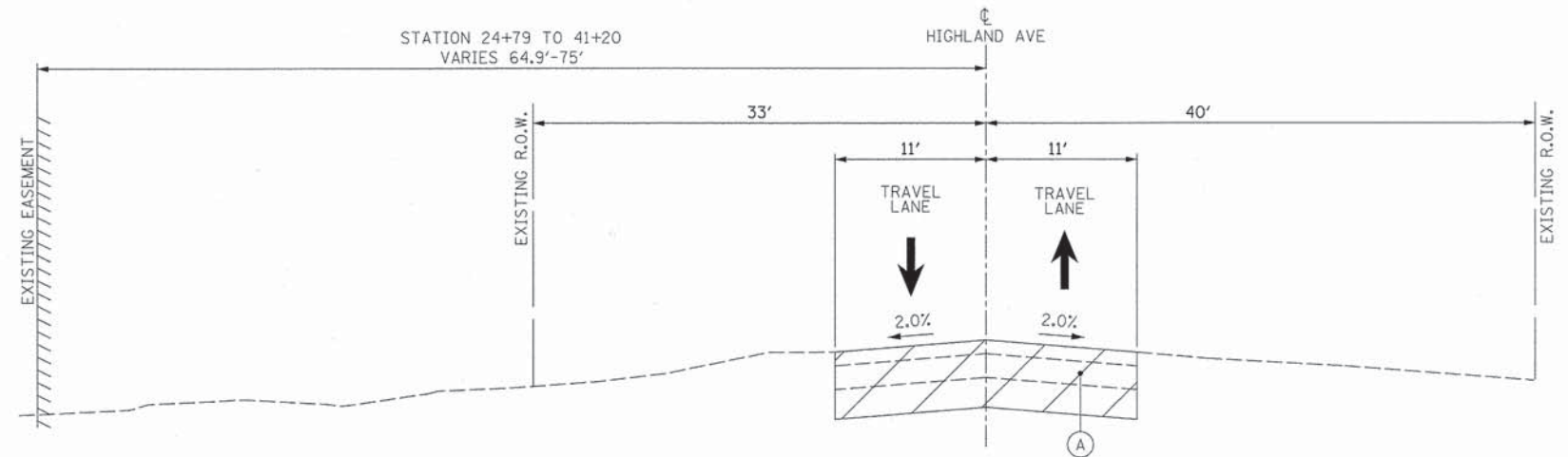
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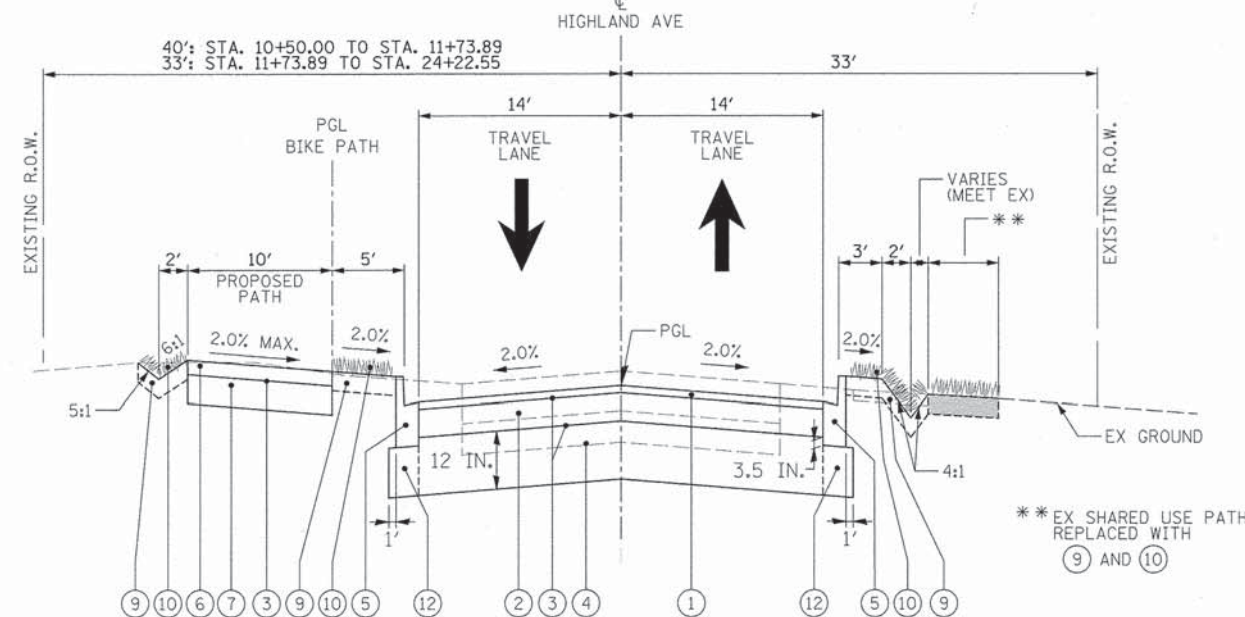
HIGHLAND AVENUE EXISTING TYPICAL SECTION

STATION 10+50 TO 12+75



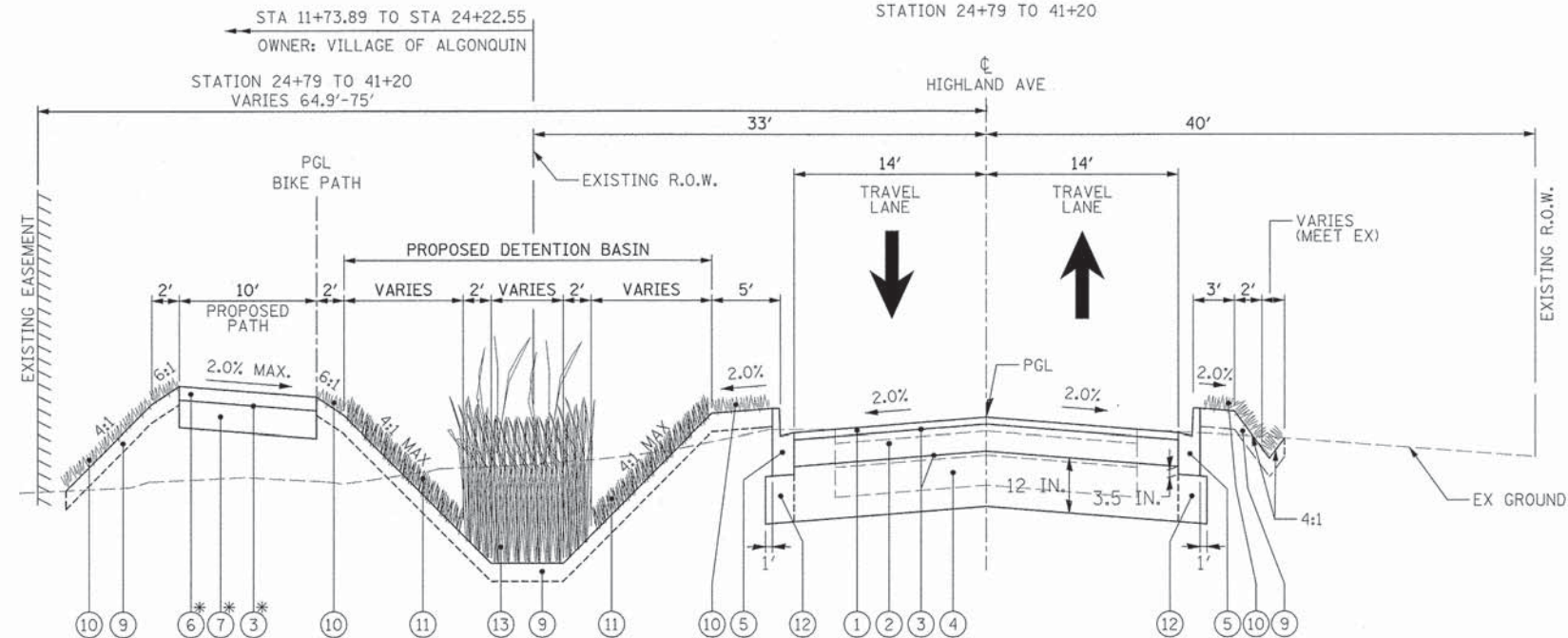
HIGHLAND AVENUE EXISTING TYPICAL SECTION

STATION 12+75 TO 16+63
STATION 19+99 TO 22+65
STATION 24+79 TO 41+20



HIGHLAND AVENUE PROPOSED TYPICAL SECTION

STATION 10+50 TO 12+75



HIGHLAND AVENUE PROPOSED TYPICAL SECTION

STATION 12+75 TO 16+63
STATION 19+99 TO 22+65
STATION 24+79 TO 41+20

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE		AIR VOIDS @Ndes
PAVEMENT RECONSTRUCTION		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm), 2"	4%	@ 50 GYR
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 4"	4%	@ 50 GYR
PAVEMENT RESURFACING		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm), 2"	4%	@ 50 GYR
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2 1/4"	4%	@ 50 GYR
MULTI-USE PATH		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm), 3"	3%	@ 50 GYR
CLASS D PATCHES		
CLASS D PATCH (HMA BINDER IL-19 mm), 6" (IN TWO 3" LIFTS)	4%	@ 70 GYR
HMA DRIVEWAY, COMMERCIAL ENTRANCE		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm), 2"	4%	@ 50 GYR
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19 mm), 8" (IN TWO 4" LIFTS)	4%	@ 50 GYR

HMA TABLE NOTES:
THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT MIXTURE QUANTITIES IS 112 LBS/SY/IN.
THE "AC TYPE" FOR POLYMERIZED HMA SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22", UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS FOR "PERCENT OF RAP" AND "PERCENT OF RAS". SEE DISTRICT ONE SPECIAL PROVISIONS.

LEGEND

ITEM NO.	DESCRIPTION
(A) 44000100	PAVEMENT REMOVAL
(B) X0327036	BIKE PATH REMOVAL
(C) 44000164	HMA SURFACE REMOVAL 3-3/4"
(1) 40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50; 2"
(2) 40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 4"
(3) 40600275	BITUMINOUS MATERIALS (PRIME COAT)
(4) 30300112	AGGREGATE SUBGRADE IMPROVEMENT, 12"
(5) 60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
(6) 40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50; 3"
(7) 31101400	SUBBASE GRANULAR MATERIAL, TYPE B 6"
(8) 40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 2-1/4"
(9) 21101505	TOPSOIL EXCAVATION AND PLACEMENT (NOTE: PLACEMENT SHALL BE 6" THICK EVERYWHERE)
(10) 25000100	SEEDING, CLASS 1
(11) XX006144	SEEDING, MESIC PRAIRIE
(12) 25000100	AGGREGATE SUBGRADE IMPROVEMENT, 8.5" (INCLUDED IN THE COST OF CURB AND GUTTER)
(13) XX006660	WETLAND PLANTS

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CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(647) 923-0500

USER NAME = jstrik	DESIGNED - MEK	REVISED -
PLLOT SCALE = 20'	CHECKED - VMR	REVISED -
PLLOT DATE = 12/29/2015	DRAWN - MTV	REVISED -
	CHECKED - 10/27/2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

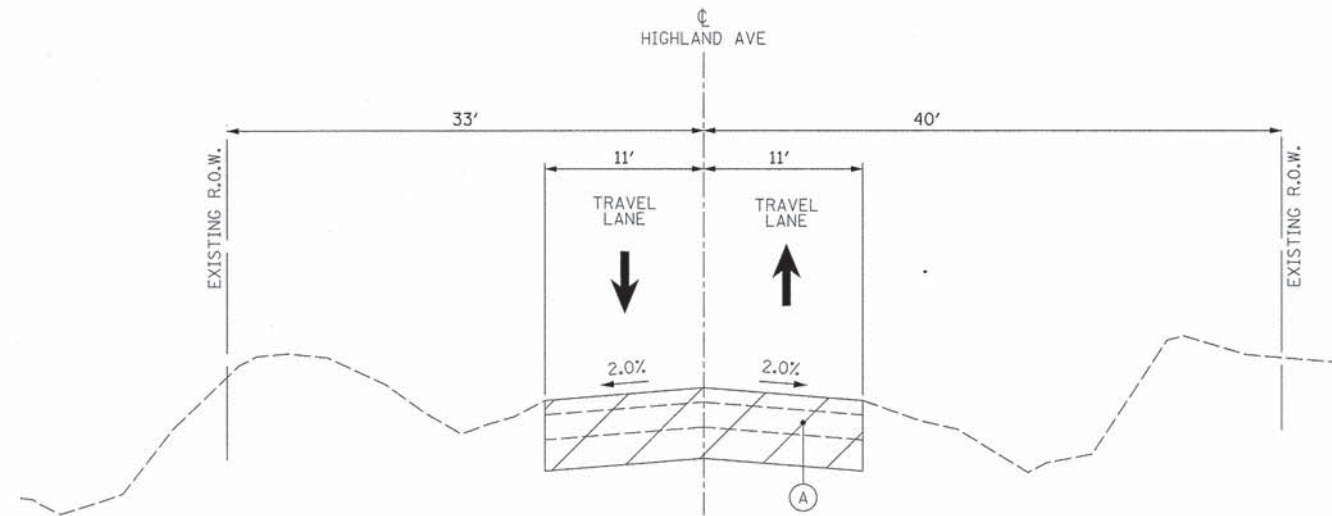
HIGHLAND AVENUE TYPICAL SECTIONS

SCALE: NONE SHEET NO. 1 OF 2 SHEETS STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4007	14-00088-00-PW	MCHENRY	83	5
				CONTRACT NO. 61C24
ILLINOIS FED. AID PROJECT				

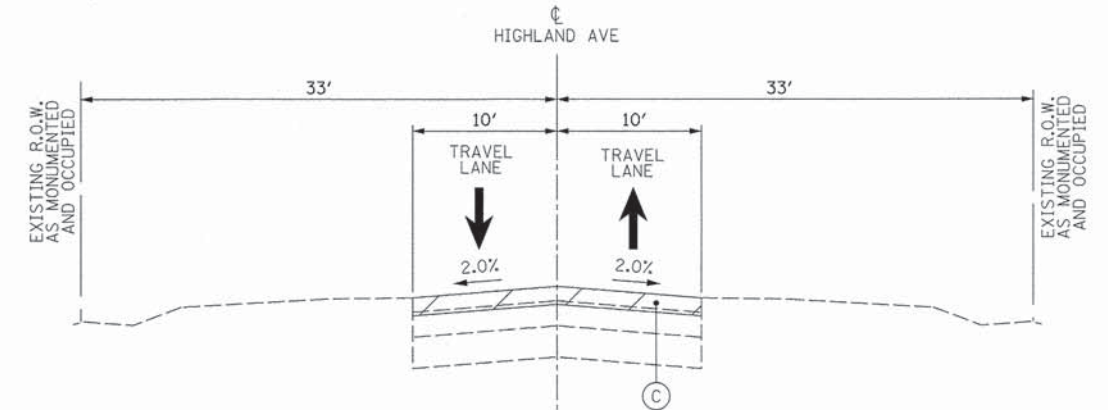
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FILE NAME	



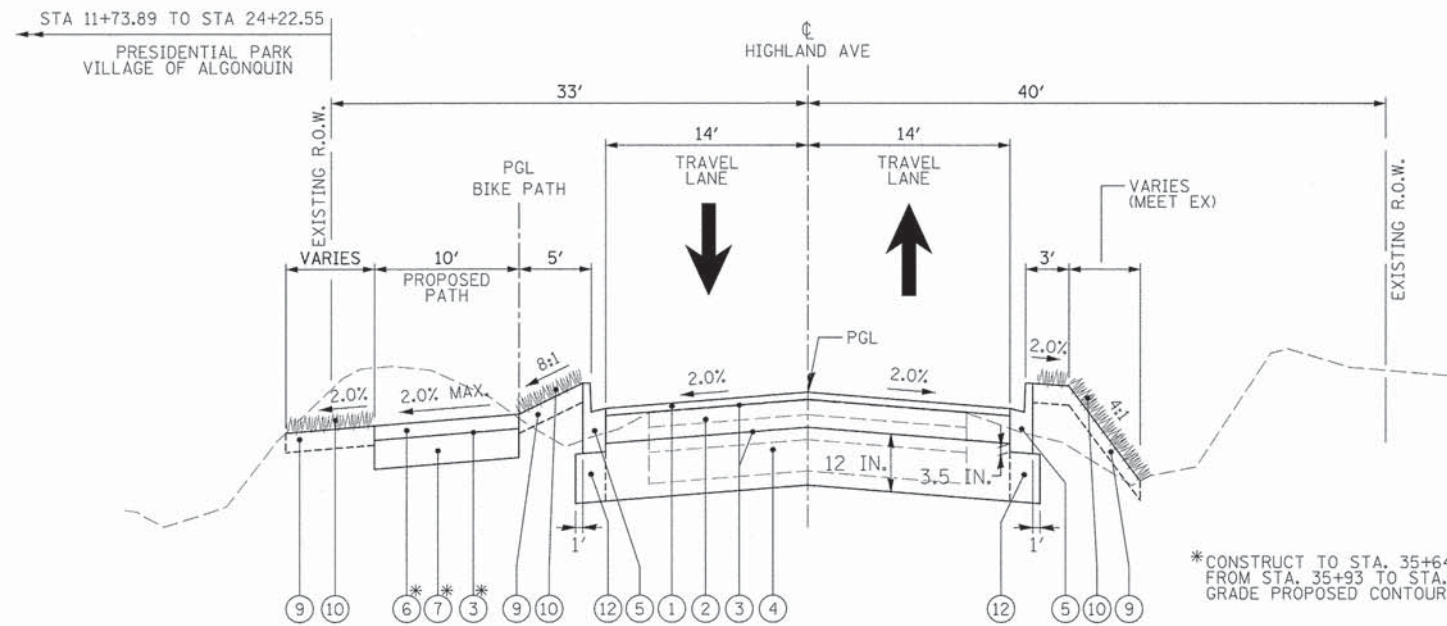
HIGHLAND AVENUE EXISTING TYPICAL SECTION

STATION 16+63 TO 19+99
STATION 22+65 TO 24+79
STATION 41+20 TO 44+57



SPRING CREEK ROAD EXISTING TYPICAL SECTION

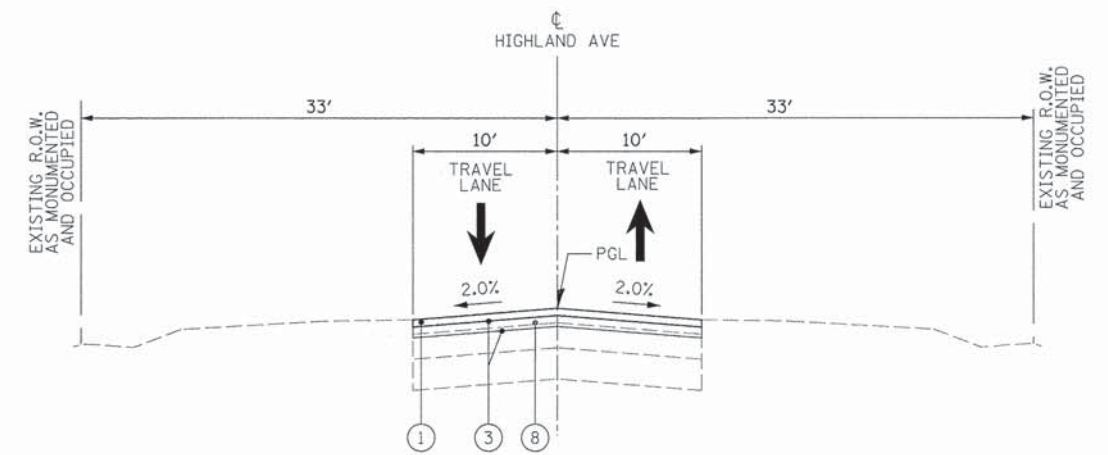
STATION 44+57 TO 55+38



HIGHLAND AVENUE PROPOSED TYPICAL SECTION

STATION 16+63 TO 19+99
STATION 22+65 TO 24+79
STATION 41+20 TO 42+84

*CONSTRUCT TO STA. 35+64 (PATH STA. 126+25).
FROM STA. 35+93 TO STA. 41+20.
GRADE PROPOSED CONTOURS AND USE 9 ONLY

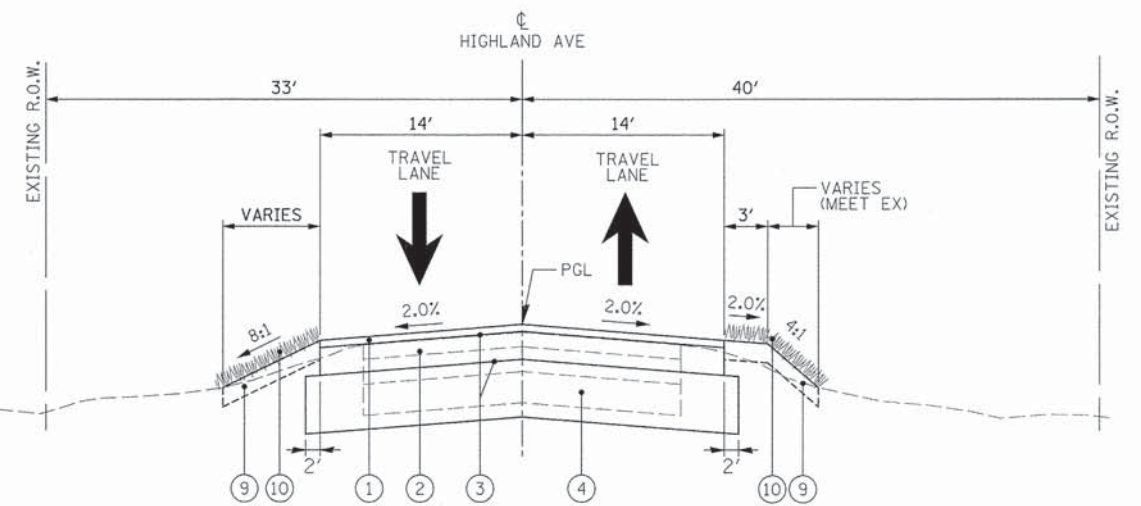


SPRING CREEK ROAD PROPOSED TYPICAL SECTION

STATION 44+57 TO 55+38

LEGEND

ITEM NO.	DESCRIPTION
(A) 44000100	PAVEMENT REMOVAL
(B) X0327036	BIKE PATH REMOVAL
(C) 44000164	HMA SURFACE REMOVAL 3-3/4"
(1) 40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50; 2"
(2) 40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 4"
(3) 40600275	BITUMINOUS MATERIALS (PRIME COAT)
(4) 30300112	AGGREGATE SUBGRADE IMPROVEMENT, 12"
(5) 60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
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(7) 31101400	SUBBASE GRANULAR MATERIAL, TYPE B 6"
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(9) 21101505	TOPSOIL EXCAVATION AND PLACEMENT (NOTE: PLACEMENT SHALL BE 6" THICK EVERYWHERE)
(10) 25000100	SEEDING, CLASS 1
(11) XX006144	SEEDING, MESIC PRAIRIE
(12) 40603335	AGGREGATE SUBGRADE IMPROVEMENT, 8.5" (INCLUDED IN THE COST OF CURB AND GUTTER)
(13) XX006660	WETLAND PLANTS



HIGHLAND AVENUE PROPOSED TYPICAL SECTION

STATION 42+84 TO 44+57

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CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 800
Rosemont, Illinois 60018
(647) 923-0500

USER NAME = jstrick	DESIGNED - MEK	REVISED -
PLLOT SCALE = 20'	CHECKED - VMR	REVISED -
PLLOT DATE = 12/29/2015	DRAWN - MTV	REVISED -
	CHECKED - 10/27/2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

HIGHLAND AVENUE TYPICAL SECTIONS

SCALE: NONE SHEET NO. 2 OF 2 SHEETS STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4007	14-00088-00-PW	MCHENRY	83	6
CONTRACT NO. 61C24			ILLINOIS FED. AID PROJECT	

DATE: _____ BY: _____
 PLAN SURVEYED _____
 ALIGNED _____
 CHECKED _____
 RT. OF WAY CHECKED _____
 NO. _____
 PADD FILE NAME _____

DATE: _____ BY: _____
 PROFILE SURVEYED _____
 GRADES CHECKED _____
 NO. _____
 STRUCTURE NOTATIONS CRVD _____

FILE NAME = N:\AL\GD\IND\B72273\B72273_00040\CG\1\SH\1_0772273_40.dgn

Tree Removals					
Tag #	Species	Station	Offset	LT/RT	Size
		10+85.00	27.00	RT	52
		11+22.00	28.50	RT	46
2	Hackberry	12+63.30	22.74	LT	8
3	Hackberry	12+98.11	25.04	LT	8
4	Hackberry	13+12.49	30.64	LT	8
5	Black cherry	13+26.33	25.81	LT	12
6	Hackberry	13+30.85	26.06	LT	8
7	Hackberry	13+43.57	22.28	LT	8
8	Yellowbud hickory	13+61.69	32.05	LT	12
9	Black walnut	13+79.61	25.50	LT	6
10	Box elder	14+66.35	28.56	LT	8
11	Box elder	14+68.83	28.88	LT	8
12	Black cherry	14+82.99	36.69	LT	8
13	Box elder	14+83.45	29.59	LT	16
14		15+01.43	26.70	LT	15
15	American elm	15+06.22	29.36	LT	6
16	Box elder	15+16.28	26.03	LT	12
17	White ash	15+31.21	33.11	LT	6
18	White ash	15+60.35	42.01	LT	10
19	White ash	15+73.67	34.49	LT	6
20	Black cherry	15+93.22	37.76	LT	6
21	Box elder	16+02.25	29.45	LT	10
22	White mulberry	16+14.73	22.91	LT	10
23	Black cherry	16+86.60	26.31	LT	15
24	Box elder	16+95.29	28.60	LT	6
26	Yellowbud hickory	19+13.31	25.06	RT	8
27	Black cherry	20+74.25	27.60	LT	18
28	White ash	20+87.37	25.59	LT	6
29	American elm	21+04.86	25.42	LT	36
30	Black cherry	21+43.96	29.61	LT	15
31	Black cherry	21+67.95	29.96	LT	12
32	Catalpa	22+22.05	24.58	LT	6
33	Black cherry	22+49.21	21.92	LT	15
34	Black cherry	23+13.55	26.71	LT	24
35	Hackberry	23+44.71	21.29	LT	6
36	Box elder	24+07.95	25.67	LT	13
37	Black cherry	24+24.25	22.47	LT	10
38	Box elder	24+29.98	20.19	LT	27
39	Black cherry	24+35.60	22.64	LT	12
40	Box elder	24+41.09	21.32	LT	8
45	Box elder	25+18.59	20.94	LT	24
46	Box elder	25+25.95	25.23	LT	24
47	Hackberry	25+32.18	25.25	LT	15
48	Box elder	25+46.06	23.06	LT	27
49	Box elder	25+55.10	20.52	LT	10
50	Box elder	25+64.66	21.56	LT	24
51	Box elder	25+75.45	21.39	LT	24
52	Box elder	25+79.44	26.98	LT	24
53	Box elder	25+82.00	24.87	LT	8
54	Box elder	25+92.53	26.02	LT	10
55	Box elder	25+99.96	25.18	LT	18
56	Box elder	25+91.26	23.60	LT	18
57	Box elder	26+36.34	24.82	LT	18
58	Box elder	26+43.88	27.80	LT	6
59	Box elder	26+49.15	29.05	LT	8
60	Box elder	26+55.37	27.02	LT	15
61	Box elder	26+58.82	27.30	LT	8

Tree Removals					
Tag #	Species	Station	Offset	LT/RT	Size
62	Box elder	26+62.68	27.55	LT	15
63	Box elder	26+82.02	26.83	LT	15
64	Box elder	26+84.72	24.97	LT	12
65	Black cherry	27+19.20	29.45	LT	12
66	Box elder	27+26.89	26.49	LT	10
67	Box elder	27+33.30	24.92	LT	18
68	Black cherry	27+43.11	23.41	LT	30
69	Box elder	27+27.57	24.30	LT	8
70	Box elder	27+65.75	25.55	LT	15
71	Box elder	28+26.63	27.75	LT	15
72	Box elder	28+27.84	26.28	LT	12
73	Black cherry	28+46.87	26.96	LT	42
74	Box elder	28+85.81	30.90	LT	27
75	Box elder	28+91.84	31.87	LT	27
76	Green ash	28+85.79	21.71	LT	15
77	Black cherry	29+33.75	33.48	LT	18
78	Hackberry	29+48.69	27.97	LT	12
79	Hackberry	29+56.71	30.84	LT	6
80	Hackberry	29+65.80	30.68	LT	42
81	Hackberry	29+70.36	33.01	LT	8
82	Hackberry	29+51.69	26.10	LT	6
83	Hackberry	29+60.20	26.16	LT	6
84	Hackberry	29+68.87	31.66	LT	6
85	Box elder	29+83.65	31.69	LT	12
86	Box elder	29+97.30	26.63	LT	8
89	Box elder	30+48.01	30.07	LT	15
90	Box elder	30+50.18	29.66	LT	18
91	Black cherry	30+54.77	31.41	LT	15
92	Box elder	30+61.64	28.73	LT	15
93	Box elder	30+69.79	32.19	LT	15
94	Box elder	30+86.39	37.83	LT	6
95	Box elder	30+87.79	32.10	LT	12
96	Box elder	31+01.80	42.48	LT	12
97	Black cherry	31+12.06	30.13	LT	27
98	Box elder	31+21.38	31.93	LT	15
99	Box elder	31+27.79	31.49	LT	15
100	Box elder	31+35.25	34.86	LT	15
101	Black walnut	31+36.64	32.32	LT	6
102	Black walnut	31+69.77	36.01	LT	10
103	Box elder	31+71.59	37.65	LT	6
104	Box elder	31+78.91	31.80	LT	27
105	Box elder	31+91.57	37.34	LT	10
106	Box elder	31+94.41	38.37	LT	21
107	Box elder	31+97.98	36.94	LT	10
108	Black cherry	31+97.36	30.46	LT	6
109	Box elder	32+05.00	31.17	LT	27
110	Black cherry	32+24.00	28.32	LT	15
111	Box elder	32+22.02	32.63	LT	32
112	Box elder	32+27.20	29.38	LT	15
113	Black cherry	32+27.91	28.87	LT	8
114	Black cherry	32+31.48	28.49	LT	10
115	Hackberry	32+47.23	25.24	LT	12
116	Black cherry	32+55.73	26.89	LT	8
117	Black walnut	32+75.05	39.83	LT	18
118	Black cherry	32+78.22	30.91	LT	27
119	Box elder	32+88.88	24.28	LT	27

Tree Removals					
Tag #	Species	Station	Offset	LT/RT	Size
120	Dead	33+05.96	37.72	LT	18
121	Black cherry	33+06.10	30.41	LT	36
122	Box elder	33+18.07	35.02	LT	12
123	Black cherry	33+23.81	29.57	LT	18
124	Box elder	33+26.00	32.59	LT	27
125	Box elder	33+41.87	37.70	LT	8
126	Black cherry	33+44.50	28.79	LT	27
127	Black cherry	33+56.12	26.32	LT	27
128	Box elder	33+64.49	28.31	LT	38
129	Box elder	33+70.55	28.88	LT	12
130	Box elder	33+73.29	27.54	LT	12
131	Bur oak	33+83.29	30.12	LT	24
132	Box elder	33+96.42	22.76	LT	20
133	Dead	33+95.39	27.37	LT	15
134	Box elder	34+01.96	37.76	LT	15
135	Box elder	34+04.23	36.75	LT	15
136	Box elder	34+19.27	38.06	LT	12
137	Black cherry	34+23.88	28.97	LT	30
138	Box elder	34+39.43	27.84	LT	6
139	Box elder	34+38.46	38.99	LT	15
140	Box elder	34+40.62	37.94	LT	18
141	Box elder	34+48.28	37.42	LT	15
142	Box elder	34+53.92	36.90	LT	6
143	Hackberry	34+62.43	23.93	LT	20
144	Black walnut	34+69.74	38.80	LT	15
145	Box elder	34+68.98	26.38	LT	6
146	Black cherry	34+76.17	29.38	LT	24
147	Box elder	34+80.89	29.81	LT	24
148	Box elder	34+94.95	23.00	LT	30
149	Dead	35+00.58	29.71	LT	15
150	Black walnut	35+08.72	34.10	LT	6
151	Box elder	35+11.27	37.31	LT	8
152	Black walnut	35+23.56	39.42	LT	12
153	Dead	35+19.53	30.51	LT	12
154	Box elder	35+30.49	23.86	LT	12
155	Box elder	35+34.68	25.80	LT	15
156	Box elder	35+44.94	24.74	LT	36
157	Black walnut	35+51.15	31.51	LT	12
158	Black walnut	35+66.59	27.62	LT	12
159	Box elder	35+75.85	26.61	LT	15
160	Box elder	35+63.14	24.45	LT	18
161	Box elder	35+72.96	21.62	LT	6
162	American elm	36+22.23	21.18	LT	10
163	Box elder	36+38.36	26.60	LT	15
166	Black walnut	36+52.78	34.93	LT	8
168	Black walnut	36+70.65	27.33	LT	12
169	Box elder	36+77.91	25.63	LT	18
173	Box elder	37+44.58	27.84	LT	8
174	Box elder	37+61.46	34.79	LT	15
175	Box elder	37+75.74	33.56	LT	12
176	Box elder	37+95.63	29.19	LT	24
177	Box elder	37+61.63	26.74	LT	10
178	Box elder	37+65.94	20.99	LT	30
179	Black cherry	37+76.41	26.75	LT	12
180	Box elder	38+00.72	32.32	LT	20
181	Box elder	38+21.11	20.73	LT	15

Tree Removals					
Tag #	Species	Station	Offset	LT/RT	Size
182	Box elder	38+22.47	33.00	LT	24
183	Box elder	38+29.80	31.48	LT	12
184	Box elder	38+50.90	31.91	LT	18
185	Box elder	38+70.95	26.51	LT	18
186	American elm	38+91.12	23.35	LT	18
187	Box elder	39+10.56	23.93	LT	12
188	Box elder	39+35.14	25.96	LT	24
189	Black cherry	39+51.33	21.39	LT	10
190	Box elder	38+40.29	24.22	LT	6
191	Box elder	38+50.47	22.70	LT	6
192	Box elder	38+61.45	23.77	LT	12
193	Box elder	38+86.28	20.75	LT	18
194	Box elder	38+98.42	21.50	LT	15
195	Box elder	39+39.40	22.50	LT	10
196	Box elder	39+59.52	24.44	LT	15
197	Box elder	40+40.18	25.91	LT	24
198	Box elder	40+74.22	23.00	LT	12
199	Box elder	40+90.11	24.56	LT	8
200	Box elder	41+02.24	20.18	LT	18
201	Hackberry	41+16.19	26.10	LT	10
202	Black walnut	41+23.73	31.57	LT	10
203	Dead	41+58.99	23.16	LT	10
204	White mulberry	41+78.89	26.82	LT	12
205	Black cherry	42+18.07	22.27	LT	12
244	White oak	14+97.95	24.37	RT	48
246	Buckthorn	15+70.73	39.36	RT	8
247	Box elder	16+00.59	26.57	RT	6
248	Box elder	16+05.97	26.91	RT	6
249	White mulberry	16+38.63	24.81	RT	12
250	Bur oak	17+29.27	31.70	RT	6
251	Bur oak	17+28.44	28.75	RT	6
254	Box elder	18+39.41	31.82	RT	21
255	Yellowbud hickory	18+63.51	24.41	RT	12
256	Yellowbud hickory	18+66.83	24.16	RT	6
258	Silver maple	18+98.10	29.93	RT	15
259	Yellowbud hickory	19+07.27	28.84	RT	8
260	Yellowbud hickory	19+10.55	27.55	RT	15
261	Silver maple	19+13.31	25.06	RT	30
264	White oak	29+87.14	37.41	RT	36
265	Shagbark hickory	29+90.13	37.23	RT	6
274	Shagbark hickory	33+60.56	26.75	RT	18
275					

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	TOPSOIL STRIPPING (SQ FT)	CUT (EXCLUSIVE OF T/S STRIPPING, PAV'T REMOVAL, C&G DRIVEWAY REMOVAL) (SQ FT)	FILL (SQ FT)	PROPOSED TOPSOIL (SQ FT)	TOPSOIL STRIPPING (CU YD)	PROPOSED TOPSOIL (CU YD)	CUT VOLUME (CU YD)	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE (15% SHRINKAGE FACTOR) (CU YD)	FILL (CU YD)	EARTHWORK BALANCE ("+" = WASTE, "-" = SHORTAGE) (CU YD)
10+50.00	12.0	14.8	15.9	5.5	0.0	0.0	0.0	0.0	0.0	0.0
11+00.00	14.6	34.0	9.2	11.5	24.6	15.7	45.2	38.4	23.2	15.2
11+50.00	23.2	50.7	0.7	14.0	35.0	23.6	78.4	66.7	9.2	57.5
12+00.00	25.9	78.7	0.0	15.7	45.5	27.5	119.8	101.8	0.6	101.2
12+50.00	36.8	101.6	16.1	21.9	58.1	34.8	166.9	141.9	14.9	127.0
13+00.00	42.1	136.8	45.0	31.3	73.1	49.3	220.7	187.6	56.6	131.1
13+50.00	44.0	106.5	28.5	34.0	79.7	60.5	225.3	191.5	68.1	123.4
14+00.00	46.3	72.2	34.9	36.2	83.6	65.0	165.5	140.6	58.7	81.9
14+50.00	65.9	119.0	58.8	45.1	103.9	75.3	177.0	150.5	86.8	63.7
15+00.00	54.4	135.9	65.4	43.9	111.4	82.4	236.0	200.6	115.0	85.6
15+50.00	50.4	125.0	45.4	40.0	97.0	77.7	241.6	205.3	102.6	102.7
16+00.00	43.7	32.7	49.3	33.2	87.1	67.8	146.0	124.1	87.7	36.4
16+50.00	45.3	46.6	33.2	31.0	82.4	59.4	73.4	62.4	76.4	-14.0
17+00.00	24.8	46.1	4.6	14.2	64.9	41.9	85.8	73.0	35.0	38.0
17+33.64	30.2	37.4	6.1	7.3	34.3	13.4	52.0	44.2	6.7	37.5
17+50.00	27.1	30.5	7.6	14.4	17.4	6.6	20.6	17.5	4.2	13.3
18+00.00	21.4	27.5	8.7	11.0	44.9	23.5	53.7	45.6	15.1	30.6
18+50.00	22.4	23.8	8.6	12.0	40.6	21.3	47.5	40.4	16.0	24.4
19+00.00	24.0	13.7	9.6	13.7	43.0	23.8	34.7	29.5	16.9	12.7
19+29.05	30.2	23.3	2.7	7.4	29.2	11.4	19.9	16.9	6.6	10.3
19+50.00	28.9	16.6	10.3	17.0	22.9	9.5	15.5	13.2	5.0	8.1
20+00.00	41.2	19.8	40.9	30.2	64.9	43.7	33.7	28.6	47.4	-18.8
20+50.00	46.9	61.9	11.1	36.4	81.6	61.7	75.6	64.3	48.1	16.2
21+00.00	46.9	71.1	13.9	36.7	86.9	67.7	123.1	104.7	23.1	81.5
21+50.00	44.7	84.7	10.8	34.4	84.8	65.8	144.3	122.6	22.9	99.8
22+00.00	46.5	109.1	10.5	36.2	84.4	65.4	179.4	152.5	19.7	132.8
22+50.00	41.9	60.6	44.5	27.5	81.9	59.0	157.1	133.6	50.9	82.6
22+89.51	33.6	21.8	9.2	20.9	55.2	35.4	60.3	51.2	39.3	12.0
23+00.00	25.8	17.9	5.6	15.6	11.5	7.1	7.7	6.6	2.9	3.7
23+50.00	26.0	7.9	25.9	12.5	48.0	26.0	23.9	20.3	29.2	-8.9
23+91.88	0.0	42.1	6.4	0.0	20.2	9.7	38.8	33.0	25.1	7.9
24+00.00	0.0	38.6	7.7	0.0	0.0	0.0	12.1	10.3	2.1	8.2
24+50.00	31.1	20.1	46.8	21.0	28.8	19.4	54.4	46.2	50.5	-4.3
25+00.00	40.3	54.7	29.7	30.0	66.1	47.2	69.3	58.9	70.8	-12.0
25+50.00	40.9	51.7	39.4	30.8	75.2	56.3	98.5	83.7	64.0	19.8
26+00.00	40.5	43.8	43.7	30.2	75.4	56.5	88.4	75.2	76.9	-1.8
26+50.00	41.2	47.1	46.4	30.7	75.6	56.4	84.2	71.5	83.4	-11.9
27+00.00	44.7	59.2	49.8	34.2	79.5	60.1	98.4	83.7	89.1	-5.4
27+50.00	52.3	108.1	33.7	41.9	89.8	70.5	154.9	131.7	77.3	54.4
28+00.00	48.8	157.3	12.0	38.4	93.6	74.4	245.7	208.9	42.3	166.6
28+50.00	36.8	84.9	14.3	24.8	79.3	58.5	224.3	190.6	24.4	166.3
29+00.00	22.3	25.0	6.6	11.6	54.7	33.7	101.8	86.5	19.4	67.1

	TOPSOIL STRIPPING (SQ FT)	CUT (EXCLUSIVE OF T/S STRIPPING, PAV'T REMOVAL, C&G DRIVEWAY REMOVAL) (SQ FT)	FILL (SQ FT)	PROPOSED TOPSOIL (SQ FT)	TOPSOIL STRIPPING (CU YD)	PROPOSED TOPSOIL (CU YD)	CUT VOLUME (CU YD)	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE (15% SHRINKAGE FACTOR) (CU YD)	FILL (CU YD)	EARTHWORK BALANCE ("+" = WASTE, "-" = SHORTAGE) (CU YD)
29+41.86	26.2	23.1	6.4	9.1	37.6	16.0	37.3	31.7	10.1	21.6
29+50.00	24.9	20.5	7.7	7.8	7.7	2.5	6.6	5.6	2.1	3.5
30+00.00	26.3	2.2	24.2	15.6	47.4	21.7	21.0	17.9	29.5	-11.7
30+50.00	38.5	60.2	21.0	28.0	60.0	40.4	57.8	49.1	41.9	7.3
31+00.00	42.2	105.9	20.1	32.0	74.7	55.6	153.8	130.7	38.1	92.7
31+50.00	42.7	104.6	22.4	32.5	78.6	59.7	194.9	165.7	39.4	126.3
32+00.00	43.6	98.9	25.2	33.4	79.9	61.0	188.4	160.2	44.1	116.1
32+50.00	44.8	110.2	27.9	34.5	81.9	62.9	193.6	164.6	49.2	115.4
33+00.00	45.0	134.2	16.4	34.7	83.1	64.1	226.3	192.4	41.0	151.3
33+50.00	45.3	148.3	12.4	34.9	83.6	64.4	261.6	222.3	26.7	195.7
34+00.00	45.3	159.8	11.8	34.9	83.9	64.6	285.3	242.5	22.4	220.1
34+50.00	45.0	166.2	10.0	34.6	83.6	64.4	301.9	256.6	20.2	236.4
35+00.00	38.8	109.9	6.1	28.4	77.6	58.3	255.6	217.3	14.9	202.4
35+50.00	26.6	23.3	10.5	15.2	60.6	40.4	123.3	104.8	15.4	89.5
36+00.00	16.6	71.5	0.2	1.3	40.0	15.3	87.8	74.6	9.9	64.7
36+09.67	16.7	80.2	0.0	1.4	6.0	0.5	27.2	23.1	0.0	23.1
36+50.00	19.2	59.0	0.9	16.6	26.8	13.4	104.0	88.4	0.7	87.7
37+00.00	39.2	78.9	5.4	34.4	54.1	47.2	127.7	108.5	5.8	102.7
37+50.00	47.7	105.9	51.8	42.6	80.5	71.3	171.1	145.4	53.0	92.5
38+00.00	46.8	80.8	65.0	41.4	87.5	77.8	172.9	146.9	108.1	38.8
38+50.00	47.0	82.7	45.5	41.4	86.9	76.7	151.4	128.7	102.3	26.4
39+00.00	45.4	88.2	25.3	39.8	85.6	75.2	158.2	134.5	65.6	68.9
39+50.00	41.3	66.4	16.3	35.7	80.3	69.9	143.1	121.7	38.5	83.2
40+00.00	37.4	45.8	17.9	31.8	72.9	62.5	103.9	88.3	31.7	56.6
40+50.00	36.7	30.9	23.6	31.1	68.6	58.2	71.0	60.4	38.4	21.9
41+00.00	39.2	31.8	36.7	33.7	70.3	60.0	58.1	49.3	55.8	-6.5
41+50.00	30.8	49.6	8.9	25.2	64.8	54.5	75.4	64.1	42.2	21.8
42+00.00	25.4	61.1	4.5	19.9	52.0	41.8	102.5	87.1	12.4	74.7
42+50.00	26.4	37.3	10.7	20.9	48.0	37.8	91.1	77.4	14.1	63.4
42+54.77	25.8	34.6	12.1	20.3	4.6	3.6	6.4	5.4	2.0	3.4
43+00.00	6.0	28.0	0.3	2.2	26.6	18.8	52.4	44.6	10.4	34.2
43+50.00	5.4	26.4	0	1.4	10.6	3.3	50.4	42.8	0.3	42.5
44+00.00	4.6	22.1	0.2	0.7	9.3	1.9	44.9	38.2	0.2	38.0
44+50.00	6.1	15.0	0.9	2.3	9.9	2.8	34.4	29.2	1.0	28.2

EARTHWORK SUMMARY						
	TOPSOIL STRIPPING (CU YD)	PROPOSED TOPSOIL (CU YD)	CUT VOLUME (EARTH EXCAVATION) (CU YD)	EXCAVATION AVAILABLE FOR EMBANKMENTS ADJUSTED BY 15% SHRINKAGE FACTOR (CU YD)	EMBANKMENT (FILL) (CU YD)	EARTHWORK BALANCE ("+" = WASTE, "-" = SHORTAGE) (CU YD)
PROJECT TOTALS	4,441	3,233	8,443	7,176	2,701	4,475

REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL =
4,441 CU YD FROM TOPSOIL STRIP
- 3,233 CU YD FROM PROPOSED TOPSOIL
= 1,208 CU YD

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REVIEWED	
DATE CHECKED	
BY	
NOTE BOOK NO.	
RT. OF WAY CHECKED	
FILE NAME	

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REVIEWED	
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BY	
NOTE BOOK NO.	
STRUCTURE NOTATIONS CHECKED	

FILE NAME = N:\A\CONDUA\978273\978273_828848.dwg

DRAINAGE STRUCTURE TABLE												
STRUCTURE	STRUCTURE TYPE	STATION	OFFSET	RIM ELEVATION	INV (N)	INV (S)	INV (E)	INV (W)	INV (NW)	INV (SE)	INV (NE)	INV (SW)
S308	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	24+75.00	21.00 LT	865.30		862.55	862.55					
S309	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	24+99.00	14.00 RT	865.10			862.60					
S310	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	25+49.00	14.00 RT	865.10				862.60				
S311	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	25+24.00	14.00 RT	865.05	862.50		862.50	862.50				
S312	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	24+99.00	14.00 LT	865.10			862.45					
S313	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	25+49.00	14.00 LT	865.10				862.45				
S314	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	25+24.00	14.00 LT	865.05	862.35	862.35	862.35	862.35				
S315	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	25+24.00	21.00 LT	865.15	862.30	862.30		862.30				
S316	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	26+25.00	14.00 RT	865.39	862.90							
S317	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	26+25.00	14.00 LT	865.39	862.75	862.75						
S318	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	22+28.50	71.50 LT	864.75								862.75
S319	PRC FLARED END SECTION, 12"	22+87.00	57.75 LT	N/A				863.60				
S320	PRC FLARED END SECTION, 12"	22+12.55	48.20 LT	N/A							862.50	
S321	PRC FLARED END SECTION, 12"	22+31.00	41.90 LT	N/A			863.00					
S322	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	24+03.11	26.70 RT	865.74	861.90	861.87	861.90	862.00				
S323	PRC FLARED END SECTION, 15"	25+24.00	30.85 LT	N/A			862.25					
S324	PRC FLARED END SECTION, 12"	26+27.75	32.35 LT	N/A		862.65						
S401	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	27+55.00	14.00 RT	865.89	863.45							
S402	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	27+55.00	14.00 LT	865.89	863.30	863.30						
S403	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	30+50.00	14.00 RT	865.31	862.90							
S404	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	30+50.00	14.00 LT	865.31	862.75	862.75						
S405	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	30+50.00	21.00 LT	865.60		862.70					862.70	
S406	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	31+17.00	14.00 RT	864.91			862.45					
S407	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	31+67.00	14.00 RT	864.91				862.45				
S408	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	31+42.00	14.00 RT	864.88	862.35		862.35	862.35				
S409	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	31+17.00	14.00 LT	864.91			862.30					
S410	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	31+67.00	14.00 LT	864.91				862.30				
S411	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	31+42.00	14.00 LT	864.88	862.20	862.20	862.20	862.20				
S412	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	32+00.00	14.00 RT	865.04	862.35							
S413	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	32+00.00	14.00 LT	865.04	862.20	862.20						
S414	PRC FLARED END SECTION, 12"	32+61.40	38.20 LT	N/A		861.00						
S415	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR	32+61.40	21.00 LT	865.30	861.00	860.50						
S416	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	32+75.00	14.00 RT	865.35	862.70							
S417	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	32+75.00	14.00 LT	865.35	862.55	862.55						
S418	PRC FLARED END SECTION, 12"	27+54.55	32.15 LT	N/A		863.20						
S419	PRC FLARED END SECTION, 12"	30+61.50	31.70 LT	N/A								862.55
S420	PRC FLARED END SECTION, 12"	31+42.00	32.15 LT	N/A		862.10						
S421	PRC FLARED END SECTION, 12"	32+00.00	32.75 LT	N/A		862.10						
S422	PRC FLARED END SECTION, 12"	32+75.00	32.80 LT	N/A		862.45						
S423	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	32+61.40	33.50 RT	862.00	860.00	858.30						
S501	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	33+75.00	14.00 RT	865.76	862.80							
S502	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	33+75.00	14.00 LT	865.76	862.60	862.60						
S503	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	34+75.00	14.00 RT	866.17	863.20							
S504	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	34+75.00	14.00 LT	866.17	863.05	863.05						
S505	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	38+50.00	14.00 RT	863.76	860.80							
S506	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	38+50.00	14.00 LT	863.76	860.65	860.65						
S507	PRC FLARED END SECTION, 12"	38+86.70	40.40 LT	N/A		858.40						
S508	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR	38+86.70	20.00 LT	863.20	858.40	858.20						
S509	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	39+13.00	14.00 RT	863.05			860.20					
S510	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	39+37.00	14.00 RT	862.99	860.05		860.05	860.05				
S511	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	39+13.00	14.00 LT	863.05			860.05					
S512	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	39+37.00	14.00 LT	862.99	859.90	859.90	859.90	859.90				
S513	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	39+37.00	21.00 LT	862.70	859.85	859.85	859.85					
S514	PRC FLARED END SECTION, 12"	33+74.80	34.25 LT	N/A		862.45						
S515	PRC FLARED END SECTION, 12"	34+74.40	33.90 LT	N/A		862.95						
S516	PRC FLARED END SECTION, 12"	38+50.00	33.90 LT	N/A		860.55						
S517	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	38+86.70	28.40 RT	860.02	857.97	857.97						
S518	PRC FLARED END SECTION, 12"	39+36.10	33.90 LT	N/A		859.75						
S601	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	39+63.00	14.00 RT	863.05				860.20				
S602	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	39+63.00	14.00 LT	863.05				860.05				
S603	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	39+75.00	14.00 RT	863.12	860.60							
S604	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	39+75.00	14.00 LT	863.12	860.45	860.45						
S605	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	39+75.00	21.00 LT	862.90	860.40	860.40	860.05	860.05				
S606	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	41+00.00	14.00 RT	864.30	861.50							
S607	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	41+00.00	14.00 LT	864.30	861.35	861.35						
S608	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	41+00.00	21.00 LT	864.15	861.30			860.95				

CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9675 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

USER NAME = jstsrick	DESIGNED - MEK	REVISED -
	CHECKED - VMR	REVISED -
PLOT SCALE = 20'	DRAWN - MTV	REVISED -
PLOT DATE = 12/8/2015	CHECKED - 10/27/2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

HIGHLAND AVENUE DRAINAGE SCHEDULE

SCALE: NONE SHEET NO. 2 OF 3 SHEETS STA. 24+75.00 TO STA. 41+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4007	14-00088-00-PW	MCHENRY	83	10
CONTRACT NO. 61C24				
ILLINOIS FED. AID PROJECT				

STORM SEWER PIPE SCHEDULE										
PIPE #	FROM	TO	CLASS	TYPE	LENGTH (FT)	DIA (IN)	SLOPE (%)	UPSTREAM INVERT	DOWNSTREAM INVERT	TBF (CY)
P101	S101	S102	A	2	12	12	1.25%	860.65	860.50	1.1
P102	S102	S103	A	2	28	12	0.54%	860.50	860.35	8.0
P103	S103	S104	A	2	16	12	0.63%	860.35	860.25	5.9
P104	S104	EX MH	A	2	44	12	1.36%	860.25	859.65	9.5
P105	S105	S104	A	2	7	12	1.43%	860.70	860.60	0.0
P106	S106	S107	A	1	28	12	0.54%	865.40	865.25	3.7
P107	S107	S108	A	1	5	12	1.00%	865.25	865.20	0.7
P108	S108	S111	A	WMQ	198	12	0.45%	865.20	864.30	10.8
P109	S109	S110	A	1	28	12	0.54%	864.50	864.35	4.4
P110	S110	S111	A	2	5	12	1.00%	864.35	864.30	0.9
P111	S111	S119	A	2	54	12	0.46%	864.30	864.05	0.0
P112	S112	S115	A	1	19	12	0.53%	864.45	864.35	0.7
P113	S113	S115	A	1	25	12	0.80%	864.80	864.60	3.3
P114	S114	S115	A	1	25	12	0.80%	864.80	864.60	3.3
P115	S115	S118	A	1	28	12	0.54%	864.35	864.20	3.9
P116	S116	S118	A	1	25	12	0.80%	864.80	864.60	3.3
P117	S117	S118	A	1	25	12	0.80%	864.80	864.60	3.3
P118	S118	S119	A	1	5	12	1.00%	864.20	864.15	0.8
P119	S119	S125	A	1	10	15	0.50%	863.80	863.75	0.0
P120	S120	S121	A	1	28	12	0.54%	864.55	864.40	4.1
P121	S121	S122	A	1	5	12	1.00%	864.40	864.35	0.9
P122	S122	S126	A	2	12	12	0.83%	863.85	863.75	0.0
P123	S123	S124	P CUL	1	16	12	0.94%	866.65	866.50	2.1
P201	S201	S202	A	1	28	12	0.54%	864.95	864.80	3.7
P202	S202	S203	A	1	5	12	1.00%	864.80	864.75	0.7
P203	S203	S122	A	2	198	12	0.45%	864.75	863.85	2.2
P204	S204	S205	A	2	38	12	0.00%	863.25	863.25	0.0
P205	S205	S208	A	2	296	12	0.57%	863.25	861.55	61.5
P206	S206	S207	A	1	28	12	0.89%	862.00	861.75	3.7
P207	S207	S208	A	1	14	12	1.43%	861.75	861.55	1.8
P208	S208	S212	A	1	98	12	0.51%	861.45	860.95	12.9
P209	S209	S231	P CUL	1	5	12	2.00%	863.50	863.40	0.7
P210	S210	S212	A	1	15	24EL	7.00%	862.00	860.95	2.1
P211	S211	S225	A	1	6	12	0.00%	861.25	861.25	0.0
P212	S212	S228	A	1	47	24EL	0.43%	860.95	860.75	5.0
P213	S213	S220	A	1	4	12	1.25%	860.75	860.70	0.5
P214	S214	S217	A	1	4	12	1.25%	860.90	860.85	0.5
P215	S215	S234	A	1	2	12	2.50%	860.70	860.65	0.0
P216	S216	S234	A	1	2	12	2.50%	860.70	860.65	0.0
P217	S217	S219	A	1	24	12	0.42%	860.85	860.75	3.2
P218	S218	S219	A	1	25	12	0.40%	860.85	860.75	3.3
P219	S219	S222	A	1	28	12	0.54%	860.75	860.60	3.7
P220	S220	S222	A	1	24	12	0.42%	860.70	860.60	3.2
P221	S221	S222	A	1	25	12	0.40%	860.70	860.60	3.3
P222	S222	S232	A	1	13	12	0.77%	860.60	860.50	0.7
P223	S223	S224	A	1	28	12	0.54%	861.25	861.10	3.7
P224	S224	S233	A	1	12	12	0.83%	861.10	861.00	0.7
P225	S225	S212	A	1	3	12	10.00%	861.25	860.95	0.0
P226	S226	S229	P CUL	1	12	12	2.92%	864.50	864.15	1.6
P227	S227	S230	P CUL	1	13	12	1.54%	862.60	862.40	1.7
P228	S228	S234	A	1	17	24EL	0.59%	860.75	860.65	0.0

STORM SEWER PIPE SCHEDULE										
PIPE #	FROM	TO	CLASS	TYPE	LENGTH (FT)	DIA (IN)	SLOPE (%)	UPSTREAM INVERT	DOWNSTREAM INVERT	TBF (CY)
P301	S301	S322	A	1	58	15	1.03%	862.60	862.00	4.5
P302	S302	S322	A	1	48	15	1.25%	862.50	861.90	2.7
P303	S303	S304	A	1	20	12	0.00%	862.75	862.75	0.0
P304	S304	S305	A	1	64	12	1.02%	862.75	862.10	9.9
P305	S305	S322	A	1	55	12	0.36%	862.10	861.90	8.1
P306	S306	S307	A	1	28	12	0.54%	862.75	862.60	3.7
P307	S307	S308	A	1	5	12	1.00%	862.60	862.55	0.7
P308	S308	S315	A	1	47	12	0.53%	862.55	862.30	0.0
P309	S309	S311	A	1	25	12	0.40%	862.60	862.50	3.3
P310	S310	S311	A	1	25	12	0.40%	862.60	862.50	3.3
P311	S311	S314	A	1	28	12	0.54%	862.50	862.35	3.7
P312	S312	S314	A	1	25	12	0.40%	862.45	862.35	3.3
P313	S313	S314	A	1	25	12	0.40%	862.45	862.35	3.3
P314	S314	S315	A	1	5	12	1.00%	862.35	862.30	0.7
P315	S315	S323	A	1	3	15	1.67%	862.30	862.25	0.0
P316	S316	S317	A	1	28	12	0.54%	862.90	862.75	3.7
P317	S317	S324	A	1	16	12	0.63%	862.75	862.65	0.7
P318	S318	S320	P CUL	1	23	12	1.09%	862.75	862.50	1.6
P319	S319	S321	P CUL	1	46	12	1.30%	863.60	863.00	3.9
P401	S401	S402	A	1	28	12	0.54%	863.45	863.30	3.7
P402	S402	S418	A	1	11	12	0.91%	863.30	863.20	0.7
P403	S403	S404	A	1	28	12	0.54%	862.90	862.75	3.7
P404	S404	S405	A	1	5	12	1.00%	862.75	862.70	0.7
P405	S405	S419	A	1	16	12	0.94%	862.70	862.55	0.0
P406	S406	S408	A	1	25	12	0.40%	862.45	862.35	3.3
P407	S407	S408	A	1	25	12	0.40%	862.45	862.35	3.3
P408	S408	S411	A	1	28	12	0.54%	862.35	862.20	3.7
P409	S409	S411	A	1	25	12	0.40%	862.30	862.20	3.3
P410	S410	S411	A	1	25	12	0.40%	862.30	862.20	3.3
P411	S411	S420	A	1	13	12	0.77%	862.20	862.10	0.7
P412	S412	S413	A	1	28	12	0.54%	862.35	862.20	3.7
P413	S413	S421	A	1	13	12	0.77%	862.20	862.10	0.7
P414	S414	S415	A	2	11	12	0.00%	861.00	861.00	0.0
P415	S415	S423	A	2	52	12	0.96%	860.50	860.00	4.7
P416	S416	S417	A	1	28	12	0.54%	862.70	862.55	3.7
P417	S417	S422	A	1	13	12	0.77%	862.55	862.45	0.7
P501	S501	S502	A	1	28	12	0.71%	862.80	862.60	3.7
P502	S502	S514	A	1	15	12	1.00%	862.60	862.45	0.7
P503	S503	S504	A	1	28	12	0.54%	863.20	863.05	3.7
P504	S504	S515	A	1	14	12	0.71%	863.05	862.95	0.7
P505	S505	S506	A	1	28	12	0.54%	860.80	860.65	3.7
P506	S506	S516	A	1	13	12	0.77%	860.65	860.55	0.7
P507	S507	S508	A	2	13	12	0.00%	858.40	858.40	0.0
P508	S508	S517	A	2	46	12	0.50%	858.20	857.97	4.8
P509	S509	S510	A	1	25	12	0.60%	860.20	860.05	3.3
P510	S510	S512	A	1	28	12	0.54%	860.05	859.90	3.7
P511	S511	S512	A	1	25	12	0.60%	860.05	859.90	3.3
P512	S512	S513	A	1	5	12	1.00%	859.90	859.85	0.7
P513	S513	S518	A	1	6	12	1.67%	859.85	859.75	0.0
P601	S601	S510	A	1	25	12	0.60%	860.20	860.05	3.3
P602	S602	S512	A	1	25	12	0.60%	860.05	859.90	3.3
P603	S603	S604	A	1	28	12	0.54%	860.60	860.45	3.7
P604	S604	S605	A	1	5	12	1.00%	860.45	860.40	0.7
P605	S605	S513	A	1	36	12	0.56%	860.05	859.85	0.0
P606	S606	S607	A	1	28	12	0.54%	861.50	861.35	3.7
P607	S607	S608	A	1	5	12	1.00%	861.35	861.30	0.7
P608	S608	S605	A	1	123	12	0.73%	860.95	860.05	0.0

DATE: _____
 BY: _____
 SURVEYED: _____
 GRADES CHECKED: _____
 ALIGNMENT CHECKED: _____
 RT. OF WAY CHECKED: _____
 PLAN NO.: _____
 NOTE BOOK NO.: _____
 JOB FILE NAME: _____

DATE: _____
 BY: _____
 SURVEYED: _____
 GRADES CHECKED: _____
 ELEM. NOTED: _____
 STRUCTURE NOTATIONS: _____
 PROFILE NO.: _____

FILE NAME = N:\A\CONDUNIA\070273\070273_080408\G:\1\1\Sh1s_070273_40.dgn

USER NAME = jstrick	DESIGNED - MEK	REVISED -
	CHECKED - VMR	REVISED -
PLOT SCALE = 20'	DRAWN - MTV	REVISED -
PLOT DATE = 12/8/2015	CHECKED - 10/27/2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

HIGHLAND AVENUE DRAINAGE SCHEDULE

SCALE: NONE SHEET NO. 3 OF 3 SHEETS STA. 10+40.30 TO STA. 41+00.00

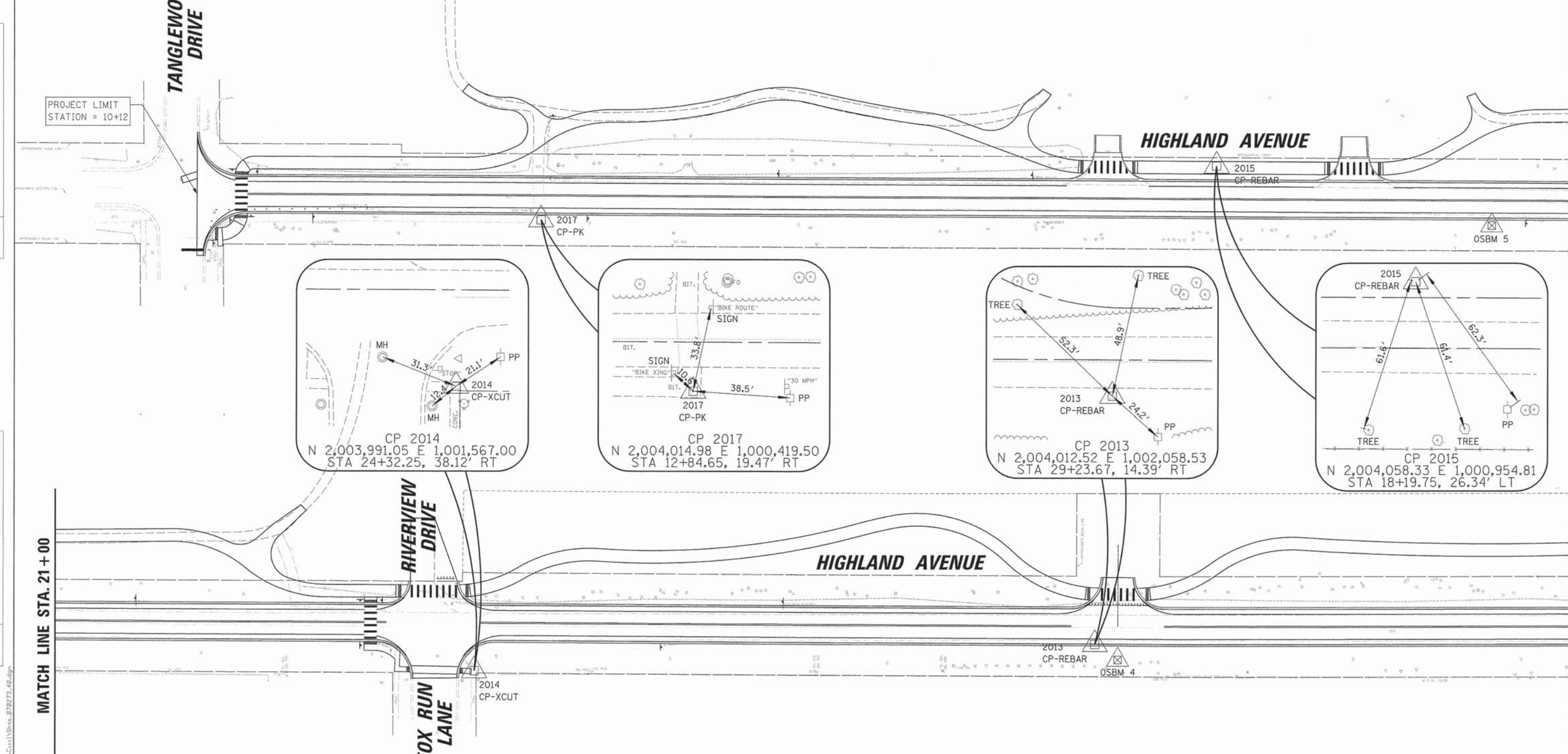
F.A.U. RTE. 4007	SECTION 14-00088-00-PW	COUNTY MCHENRY	TOTAL SHEETS 83	SHEET NO. 11
CONTRACT NO. 61C24			ILLINOIS FED. AID PROJECT	

PROP. CURVE PATH_1-2-1 PI STA. = 100+04.45 Δ = 83° 18' 01" (RT) D = 1145° 54' 56" R = 5.00' T = 4.45' L = 7.27' E = 1.69' P.C. STA. = 100+00.00 P.T. STA. = 100+07.27	PROP. CURVE PATH_1-2-2 PI STA. = 102+09.29 Δ = 37° 06' 23" (LT) D = 57° 17' 45" R = 100.00' T = 33.56' L = 64.76' E = 5.48' P.C. STA. = 101+75.72 P.T. STA. = 102+40.49	PROP. CURVE PATH_1-2-3 PI STA. = 102+71.34 Δ = 37° 50' 34" (RT) D = 63° 39' 43" R = 90.00' T = 30.85' L = 59.44' E = 5.14' P.C. STA. = 102+40.49 P.T. STA. = 102+99.93	PROP. CURVE PATH_1-2-4 PI STA. = 103+55.86 Δ = 16° 58' 01" (LT) D = 15° 16' 44" R = 375.00' T = 55.93' L = 111.05' E = 4.15' P.C. STA. = 102+99.93 P.T. STA. = 104+10.98	PROP. CURVE PATH_1-2-5 PI STA. = 104+34.89 Δ = 29° 45' 47" (RT) D = 63° 39' 43" R = 90.00' T = 23.92' L = 46.75' E = 3.12' P.C. STA. = 104+10.98 P.T. STA. = 104+57.73	PROP. CURVE PATH_1-2-6 PI STA. = 104+99.91 Δ = 5° 23' 47" (LT) D = 6° 24' 06" R = 895.00' T = 42.18' L = 84.30' E = 0.99' P.C. STA. = 104+57.73 P.T. STA. = 105+42.03	PROP. CURVE PATH_1-2-7 PI STA. = 105+45.65 Δ = 2° 14' 38" (LT) D = 30° 58' 14" R = 185.00' T = 3.62' L = 7.24' E = 0.04' P.C. STA. = 105+42.03 P.T. STA. = 105+49.27	PROP. CURVE PATH_1-2-8 PI STA. = 105+60.42 Δ = 14° 06' 58" (RT) D = 63° 39' 43" R = 90.00' T = 11.14' L = 22.17' E = 0.69' P.C. STA. = 105+49.27 P.T. STA. = 105+71.45	PROP. CURVE PATH_1-2-9 PI STA. = 106+67.27 Δ = 20° 00' 30" (LT) D = 57° 17' 45" R = 100.00' T = 17.64' L = 34.92' E = 1.54' P.C. STA. = 106+49.63 P.T. STA. = 106+84.55	PROP. CURVE PATH_1-2-10 PI STA. = 109+44.66 Δ = 30° 00' 00" (LT) D = 57° 17' 45" R = 100.00' T = 26.79' L = 52.36' E = 3.53' P.C. STA. = 109+17.87 P.T. STA. = 109+70.23	PROP. CURVE PATH_1-2-11 PI STA. = 110+27.45 Δ = 29° 14' 46" (RT) D = 57° 17' 45" R = 100.00' T = 26.09' L = 51.04' E = 3.35' P.C. STA. = 110+01.36 P.T. STA. = 110+52.40
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PLAN	SURVEYED	DATE
	ALIGNED	
	CHECKED	
	BY	
	NO.	

PROFILE	SURVEYED	DATE
	GRADES	
	CHECKED	
	BY	
	NO.	



MATCH LINE STA. 21 + 00

MATCH LINE STA. 33 + 00

PROP. CURVE PATH_1-2-12 PI STA. = 112+01.91 Δ = 40° 29' 23" (RT) D = 63° 39' 43" R = 90.00' T = 33.19' L = 63.60' E = 5.93' P.C. STA. = 111+68.71 P.T. STA. = 112+32.31	PROP. CURVE PATH_1-2-13 PI STA. = 112+68.45 Δ = 39° 44' 09" (LT) D = 57° 17' 45" R = 100.00' T = 36.14' L = 69.35' E = 6.33' P.C. STA. = 112+32.31 P.T. STA. = 113+01.66	PROP. CURVE PATH_1-2-14 PI STA. = 114+32.44 Δ = 31° 00' 10" (LT) D = 52° 05' 13" R = 110.00' T = 30.51' L = 59.52' E = 4.15' P.C. STA. = 114+01.93 P.T. STA. = 114+61.45	PROP. CURVE PATH_1-2-15 PI STA. = 114+92.65 Δ = 34° 39' 33" (RT) D = 57° 17' 45" R = 100.00' T = 31.20' L = 60.49' E = 4.76' P.C. STA. = 114+61.45 P.T. STA. = 115+21.94	PROP. CURVE PATH_1-2-16 PI STA. = 116+28.25 Δ = 19° 00' 31" (LT) D = 9° 01' 23" R = 635.00' T = 106.31' L = 210.67' E = 8.84' P.C. STA. = 115+21.94 P.T. STA. = 117+32.61	PROP. CURVE PATH_1-2-17 PI STA. = 117+45.34 Δ = 3° 38' 41" (RT) D = 14° 19' 26" R = 400.00' T = 12.73' L = 25.44' E = 0.20' P.C. STA. = 117+32.61 P.T. STA. = 117+58.06	PROP. CURVE PATH_1-2-18 PI STA. = 118+10.76 Δ = 55° 34' 44" (RT) D = 57° 17' 45" R = 100.00' T = 52.70' L = 97.00' E = 13.04' P.C. STA. = 117+58.06 P.T. STA. = 118+55.06	PROP. CURVE PATH_1-2-19 PI STA. = 118+99.36 Δ = 43° 52' 17" (LT) D = 52° 05' 13" R = 110.00' T = 44.30' L = 84.23' E = 8.59' P.C. STA. = 118+55.06 P.T. STA. = 119+39.29	PROP. CURVE PATH_1-2-20 PI STA. = 120+02.60 Δ = 36° 36' 52" (LT) D = 52° 05' 13" R = 110.00' T = 36.39' L = 70.29' E = 5.86' P.C. STA. = 119+39.29 P.T. STA. = 120+36.50	PROP. CURVE PATH_1-2-21 PI STA. = 120+73.09 Δ = 40° 11' 45" (RT) D = 57° 17' 45" R = 100.00' T = 36.59' L = 70.15' E = 6.48' P.C. STA. = 120+36.50 P.T. STA. = 121+06.65	PROP. CURVE PATH_1-2-22 PI STA. = 122+90.36 Δ = 9° 26' 23" (LT) D = 2° 34' 30" R = 2,225.00' T = 183.71' L = 366.58' E = 7.57' P.C. STA. = 121+06.65 P.T. STA. = 124+73.23
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CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = jstrick	DESIGNED - MEK	REVISED -
PLOT SCALE = 40'	CHECKED - VMR	REVISED -
PLOT DATE = 12/8/2015	DRAWN - MTV	REVISED -
	CHECKED - 10/27/2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

HIGHLAND AVENUE ALIGNMENT, TIES AND BENCHMARKS

SCALE: 1" = 40' SHEET NO. 1 OF 2 SHEETS STA. 10+00 TO STA. 33+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4007	14-00088-00-PW	MCHENRY	83	12
				CONTRACT NO. 61C24
ILLINOIS FED. AID PROJECT				

PROP. CURVE PATH_1-2-23 PI STA. = 125+13.86 Δ = 44° 13' 28" (RT) D = 57° 17' 45" R = 100.00' T = 40.63' L = 77.19' E = 7.94' P.C. STA. = 124+73.23 P.T. STA. = 125+50.42	PROP. CURVE PATH_1-2-24 PI STA. = 125+89.06 Δ = 38° 42' 46" (LT) D = 52° 05' 13" R = 110.00' T = 38.64' L = 74.32' E = 6.59' P.C. STA. = 125+50.42 P.T. STA. = 126+24.74	PROP. CURVE PATH_1-2-25 PI STA. = 126+96.06 Δ = 40° 54' 25" (LT) D = 52° 05' 13" R = 110.00' T = 41.03' L = 78.54' E = 7.40' P.C. STA. = 126+55.04 P.T. STA. = 127+33.57	PROP. CURVE PATH_1-2-26 PI STA. = 127+79.71 Δ = 49° 32' 11" (RT) D = 57° 17' 45" R = 100.00' T = 46.14' L = 86.46' E = 10.13' P.C. STA. = 127+33.57 P.T. STA. = 128+20.03	PROP. CURVE PATH_1-2-27 PI STA. = 129+80.17 Δ = 7° 28' 45" (LT) D = 2° 20' 19" R = 2,450.00' T = 160.14' L = 319.82' E = 5.23' P.C. STA. = 128+20.03 P.T. STA. = 131+39.85	PROP. CURVE PATH_1-2-28 PI STA. = 131+63.45 Δ = 26° 33' 26" (RT) D = 57° 17' 45" R = 100.00' T = 23.60' L = 46.35' E = 2.75' P.C. STA. = 131+39.85 P.T. STA. = 131+86.20	PROP. CURVE PATH_1-2-29 PI STA. = 132+10.86 Δ = 27° 42' 27" (LT) D = 57° 17' 45" R = 100.00' T = 24.66' L = 48.36' E = 3.00' P.C. STA. = 131+86.20 P.T. STA. = 132+34.56	PROP. CURVE PATH_1-2-30 PI STA. = 132+97.83 Δ = 90° 00' 00" (RT) D = 1145° 54' 56" R = 5.00' T = 5.00' L = 7.85' E = 2.07' P.C. STA. = 132+92.83 P.T. STA. = 133+00.69
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MATCH LINE STA. 33 + 00

MATCH LINE STA. 45 + 00

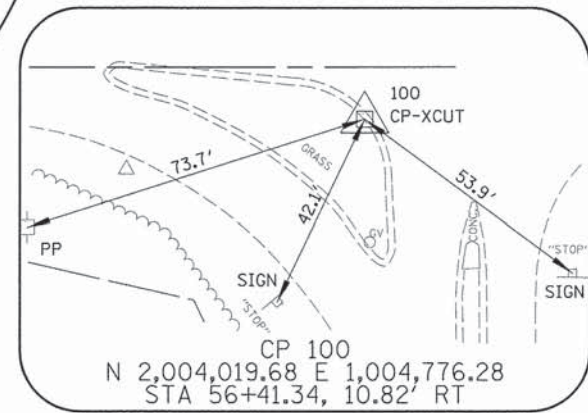
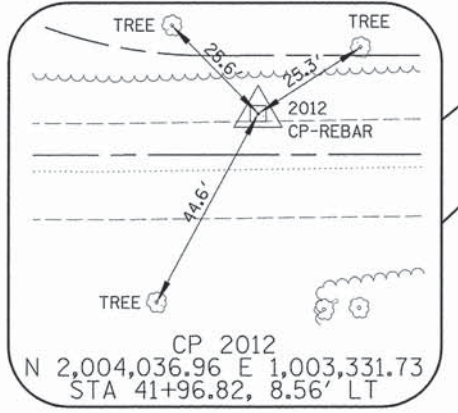
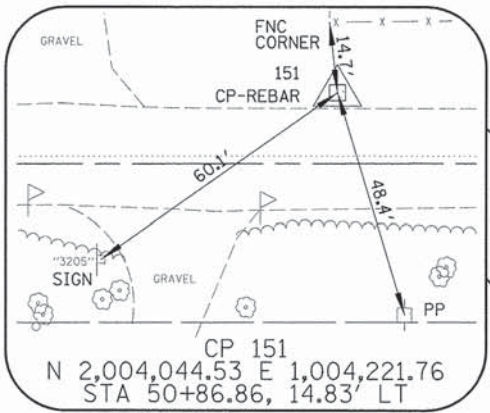
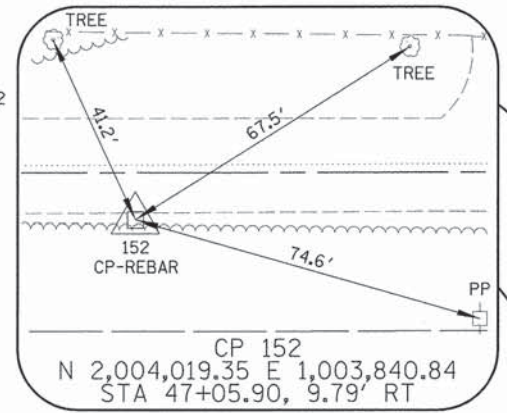
MATCH LINE STA. 45 + 00

HIGHLAND AVENUE

GLACIER PARKWAY

SPRING CREEK ROAD

HAEGERS BEND ROAD



ELEVATION BENCHMARKS DATUM: NAVD 1988		
NO.	DESCRIPTION	ELEV.
OSBM 1	RAILROAD SPIKE IN UTILITY POLE AT NW CORNER OF HAEGERS BEND RD AND SPRING CREEK RD.	876.64
OSBM 2	N RIM OF CB ON SOUTH SIDE OF HIGHLAND AVE. ± 300 EAST OF GLACIER PKWY.	860.69
OSBM 3	NE CORNER OF ELEC TRANSFORMER PAD ±225 WEST OF GLACIER PARKWAY ON SOUTH SIDE OF HIGHLAND.	865.06
OSBM 4	RAILROAD SPIKE IN 4TH UTILITY POLE WEST OF GLACIER PARKWAY ON SOUTH SIDE OF HIGHLAND AVENUE.	867.00
OSBM 5	RAILROAD SPIKE FOUND IN SOUTH FACE OF UTILITY POLE, 3RD POLE WEST OF FOX RUN LANE ON SOUTH SIDE OF HIGHLAND AVENUE.	863.98
OSBM 6	NE BOLT OF HYDRANT AT NE CORNER OF TANGLEWOOD DRIVE AND POWDER HORN DR.	861.89

* ADD 17.54' TO ALL ELEVATIONS TO EQUATE TO VILLAGE OF ALGONQUIN VERTICAL CONTROL

PROJECT LIMIT
STATION = 56+50

PLAN	SURVEYED	DATE
	ALIGNED	
	CHECKED	
	BY	
	NO. OF WAY CHECKED	
	ADD FILE NAME	

PROFILE	SURVEYED	DATE
	GRADES CHECKED	
	BLM. NOTED	
	STRUCTURE NOTATIONS CIPRD	

FILE NAME = N:\AL\GD\IND\N\878273\878273.dwg

CB CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 623-0500

USER NAME = jst1r1ck	DESIGNED - MEK	REVISED -
PLOT SCALE = 40'	CHECKED - VMR	REVISED -
PLOT DATE 12/8/2015	DRAWN - MTV	REVISED -
	CHECKED - 10/27/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

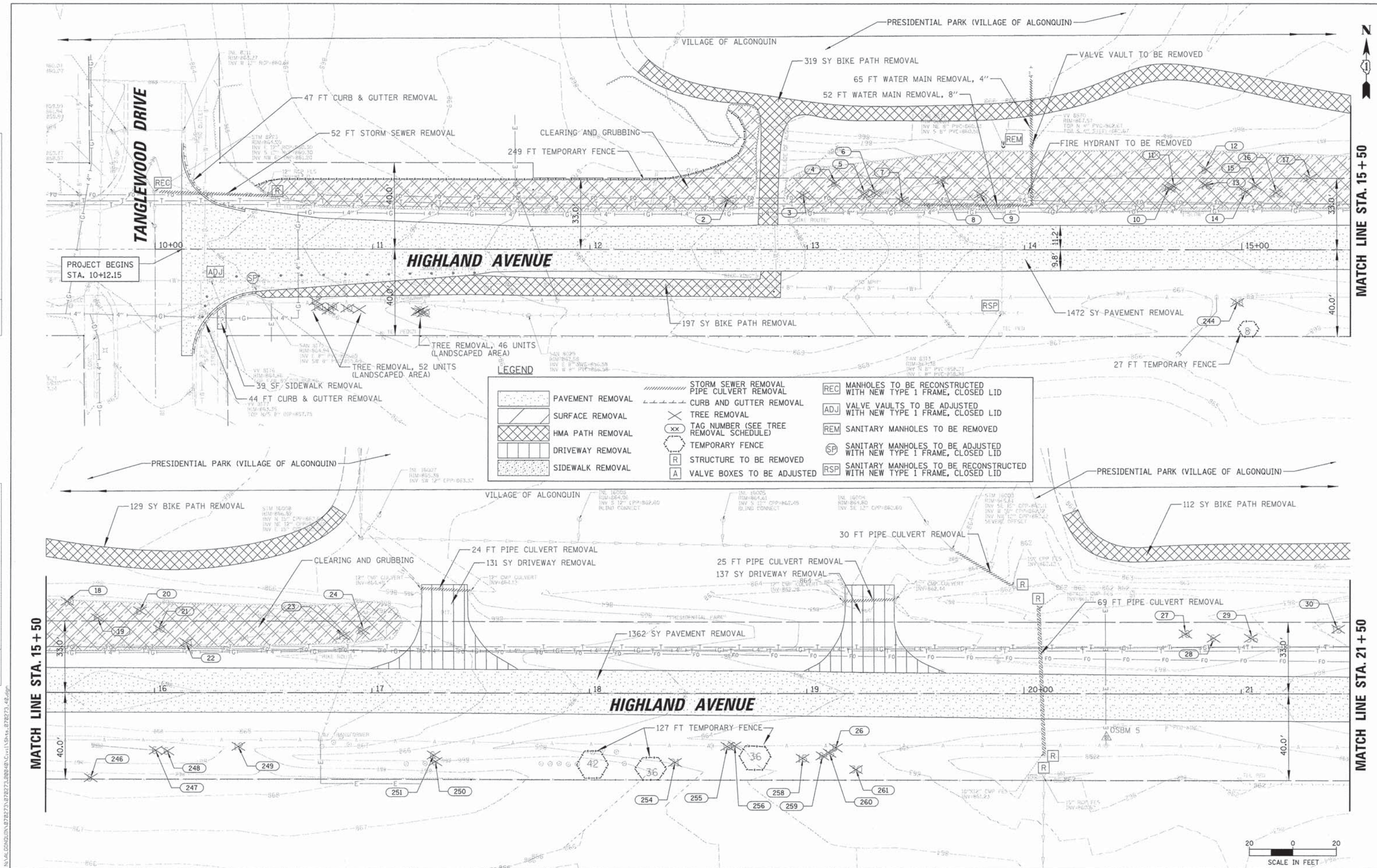
HIGHLAND AVENUE ALIGNMENT, TIES AND BENCHMARKS

SCALE: 1" = 40' SHEET NO. 2 OF 2 SHEETS STA. 33+00 TO STA. 56+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4007	14-00088-00-PW	MCHENRY	83	13
			CONTRACT NO. 61C24	
ILLINOIS FED. AID PROJECT				

PLAN	DATE	BY
SURVEYED		
ALIGNED		
CHECKED		
RT. OF WAY		
CHECKED		
NO. 1		
NO. 2		
NO. 3		
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NO. 5		
NO. 6		
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NO. 48		
NO. 49		
NO. 50		

PROFILE	DATE	BY
SURVEYED		
GRADES		
CHECKED		
NO. 1		
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NO. 49		
NO. 50		



LEGEND

	PAVEMENT REMOVAL		STORM SEWER REMOVAL		MANHOLES TO BE RECONSTRUCTED WITH NEW TYPE 1 FRAME, CLOSED LID
	SURFACE REMOVAL		PIPE CULVERT REMOVAL		VALVE VAULTS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID
	HMA PATH REMOVAL		CURB AND GUTTER REMOVAL		SANITARY MANHOLES TO BE REMOVED
	DRIVEWAY REMOVAL		TREE REMOVAL		SANITARY MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID
	SIDEWALK REMOVAL		TAG NUMBER (SEE TREE REMOVAL SCHEDULE)		SANITARY MANHOLES TO BE RECONSTRUCTED WITH NEW TYPE 1 FRAME, CLOSED LID
			TEMPORARY FENCE		VALVE BOXES TO BE ADJUSTED
			STRUCTURE TO BE REMOVED		

MATCH LINE STA. 15 + 50

MATCH LINE STA. 21 + 50



CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 953-0000

USER NAME = jstrick	DESIGNED - MEK	REVISED -
PLOT SCALE = 20'	CHECKED - VMR	REVISED -
PLOT DATE = 12/29/2015	DRAWN - MTV	REVISED -
	CHECKED - 10/27/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HIGHLAND AVENUE REMOVAL PLAN
 SCALE: 1" = 20' SHEET NO. 1 OF 4 SHEETS STA. 10+00 TO STA. 21+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4007	14-00088-00-PW	MCHENRY	83	15
			CONTRACT NO. 61C24	
ILLINOIS FED. AID PROJECT				



MATCH LINE STA. 45 + 50

MATCH LINE STA. 51 + 50

VILLAGE OF BARRINGTON HILLS

SPRING CREEK ROAD

LEGEND

	PAVEMENT REMOVAL		STORM SEWER REMOVAL		MANHOLES TO BE RECONSTRUCTED WITH NEW TYPE 1 FRAME, CLOSED LID
	SURFACE REMOVAL		PIPE CULVERT REMOVAL		VALVE VAULTS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID
	HMA PATH REMOVAL		CURB AND GUTTER REMOVAL		SANITARY MANHOLES TO BE REMOVED
	DRIVEWAY REMOVAL		TREE REMOVAL		SANITARY MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID
	SIDEWALK REMOVAL		TAG NUMBER (SEE TREE REMOVAL SCHEDULE)		SANITARY MANHOLES TO BE RECONSTRUCTED WITH NEW TYPE 1 FRAME, CLOSED LID
			TEMPORARY FENCE		
			STRUCTURE TO BE REMOVED		
			VALVE BOXES TO BE ADJUSTED		

1338 SY SURFACE REMOVAL

1415 SY SURFACE REMOVAL

MATCH LINE STA. 51 + 50

PROJECT ENDS STA. 56+50.41

VILLAGE OF BARRINGTON HILLS

SPRING CREEK ROAD

SPRING CREEK ROAD

HAEGERS BEND ROAD



PLAN	SURVEYED	BY	DATE
	NOTE BOOK		
	NO. OF WAY CHECKED		
	PAID FILE NO.		

PROFILE	SURVEYED	BY	DATE
	GRADES CHECKED		
	B.M. NOTED		
	STRUCTURE NOTATIONS CROD		

CB CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0590

USER NAME = jstirick
 DESIGNED - MEK
 CHECKED - VMR
 DRAWN - MTV
 CHECKED - 10/27/2015
 PLOT SCALE = 20'
 PLOT DATE 12/8/2015

DESIGNED - MEK
 CHECKED - VMR
 DRAWN - MTV
 CHECKED - 10/27/2015

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

HIGHLAND AVENUE REMOVAL PLAN

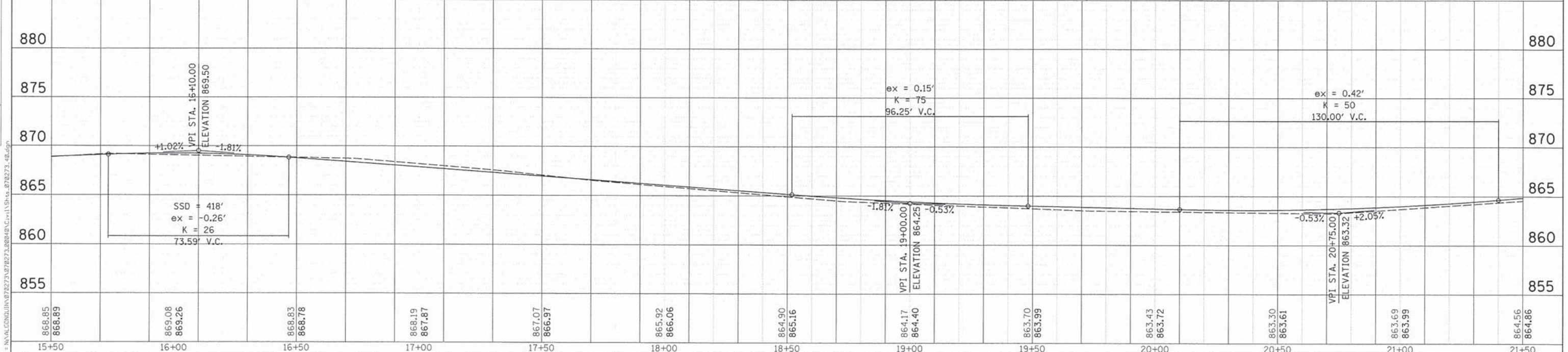
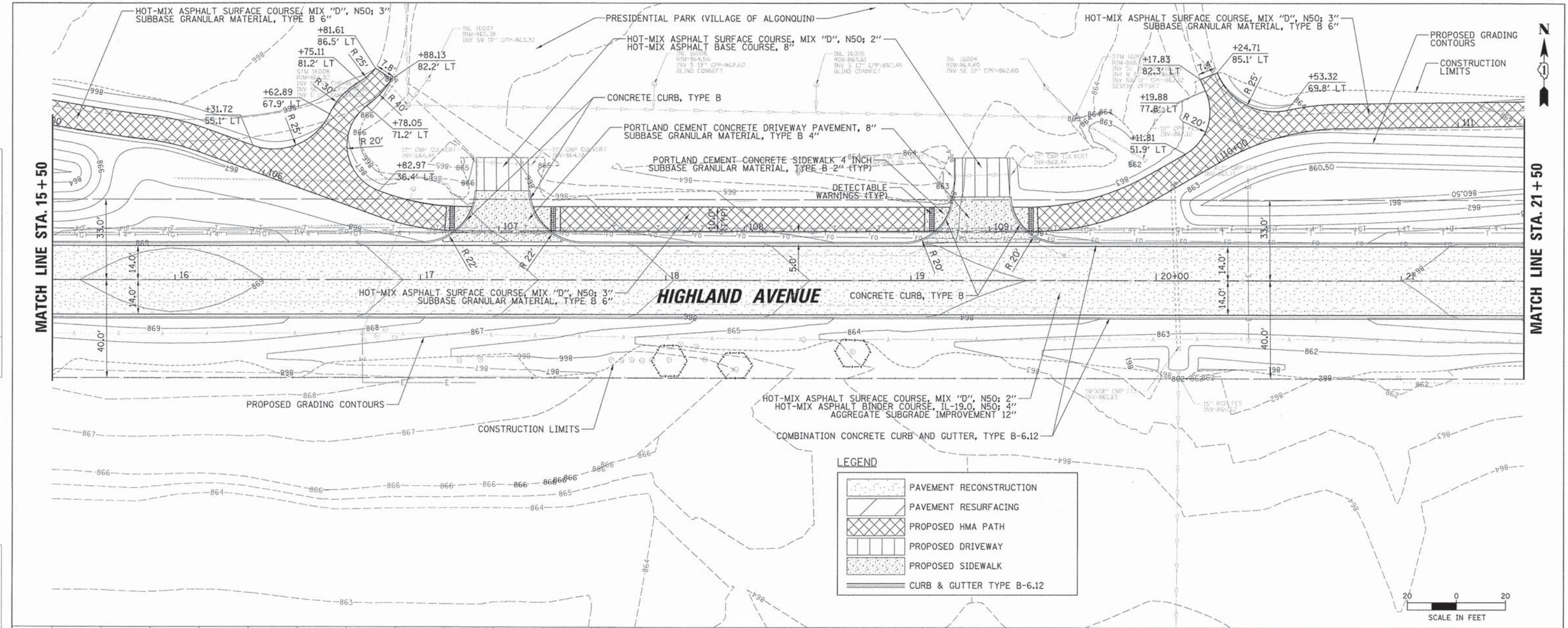
SCALE: 1" = 20' SHEET NO. 4 OF 4 SHEETS STA. 45+50 TO STA. 56+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4007	14-00088-00-PW	MCHENRY	83	18
				CONTRACT NO. 61C24
ILLINOIS FED. AID PROJECT				

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	DESIGNED		
	CHECKED		
	NO. OF WAY CHECKED		
	NO. OF FILE NAME		

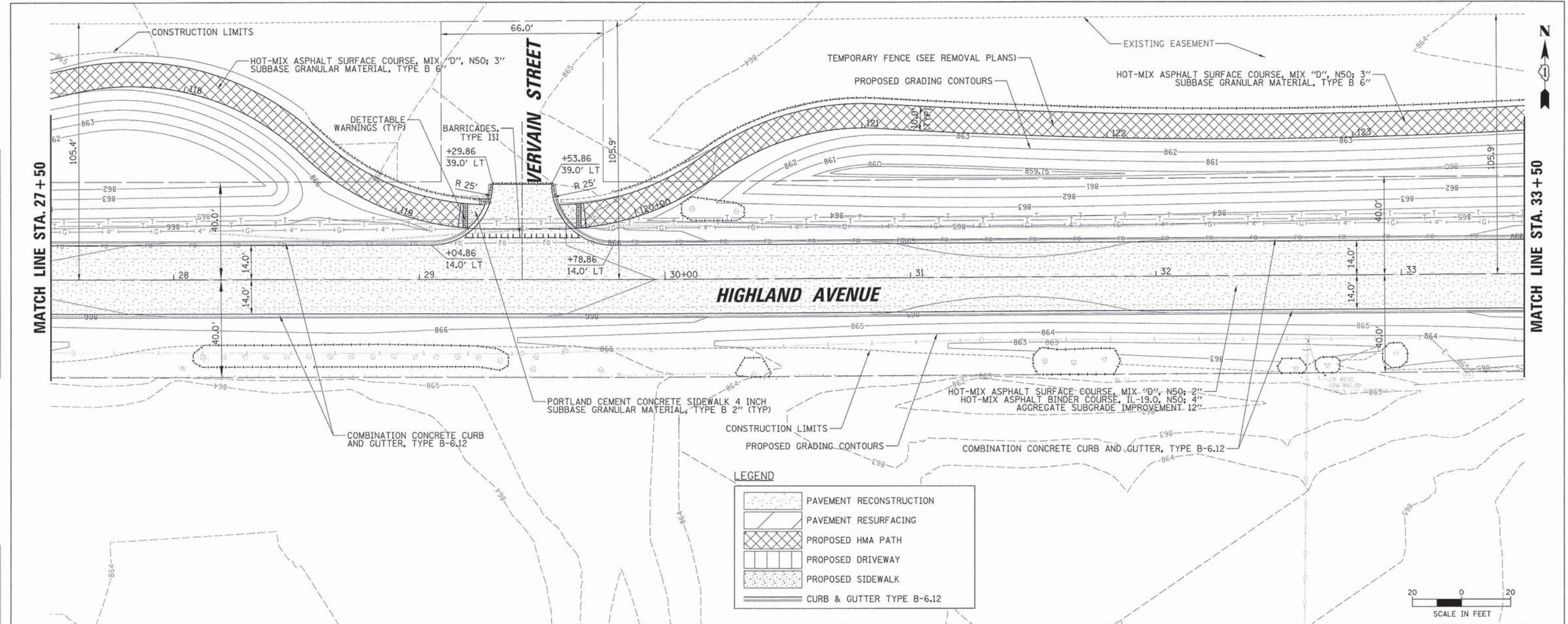
PROFILE	SURVEYED	BY	DATE
	DESIGNED		
	CHECKED		
	NO. OF WAY CHECKED		
	NO. OF FILE NAME		



CHRISTOPHER B. BURKE ENGINEERING, LTD. 5575 W. Higgins Road, Suite 609 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = jstrick DESIGNED - SNS DRAWN - PWN CHECKED - MEK PLOT SCALE = 20" PLOT DATE 12/29/2015	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HIGHLAND AVENUE ROADWAY PLAN AND PROFILE SCALE: 1" = 20' SHEET NO. 2 OF 8 SHEETS STA. 15+50 TO STA. 21+50	F.A.U. RTE. 4007 SECTION 14-00088-00-PW COUNTY MCHENRY TOTAL SHEETS 83 SHEET NO. 20 CONTRACT NO. 61C24 ILLINOIS FED. AID PROJECT
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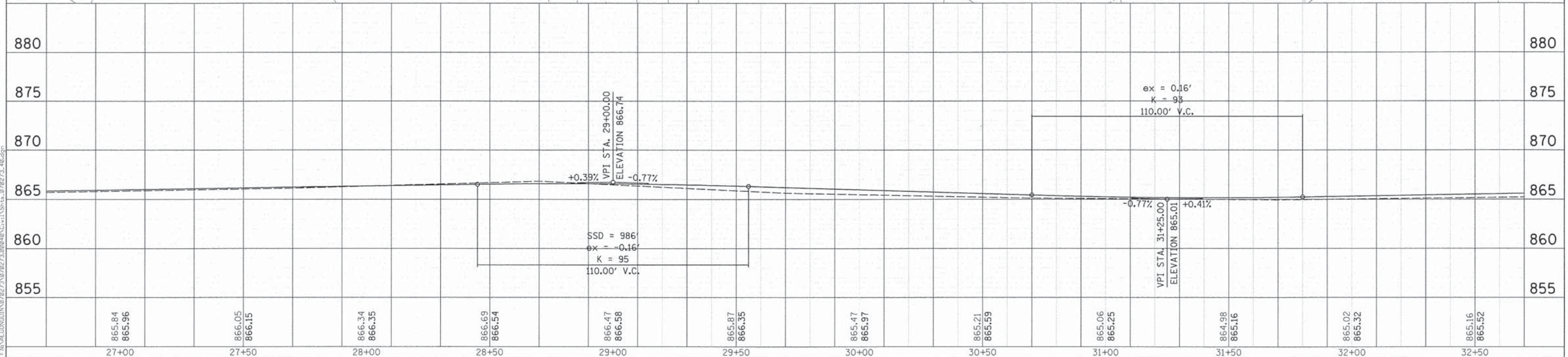
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	PLOTTED	BY
	CHECKED	
	NO. OF RAY CHECKED	
	NO.	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	NO. OF RAY CHECKED	
	NO.	
	FILE NAME	



LEGEND

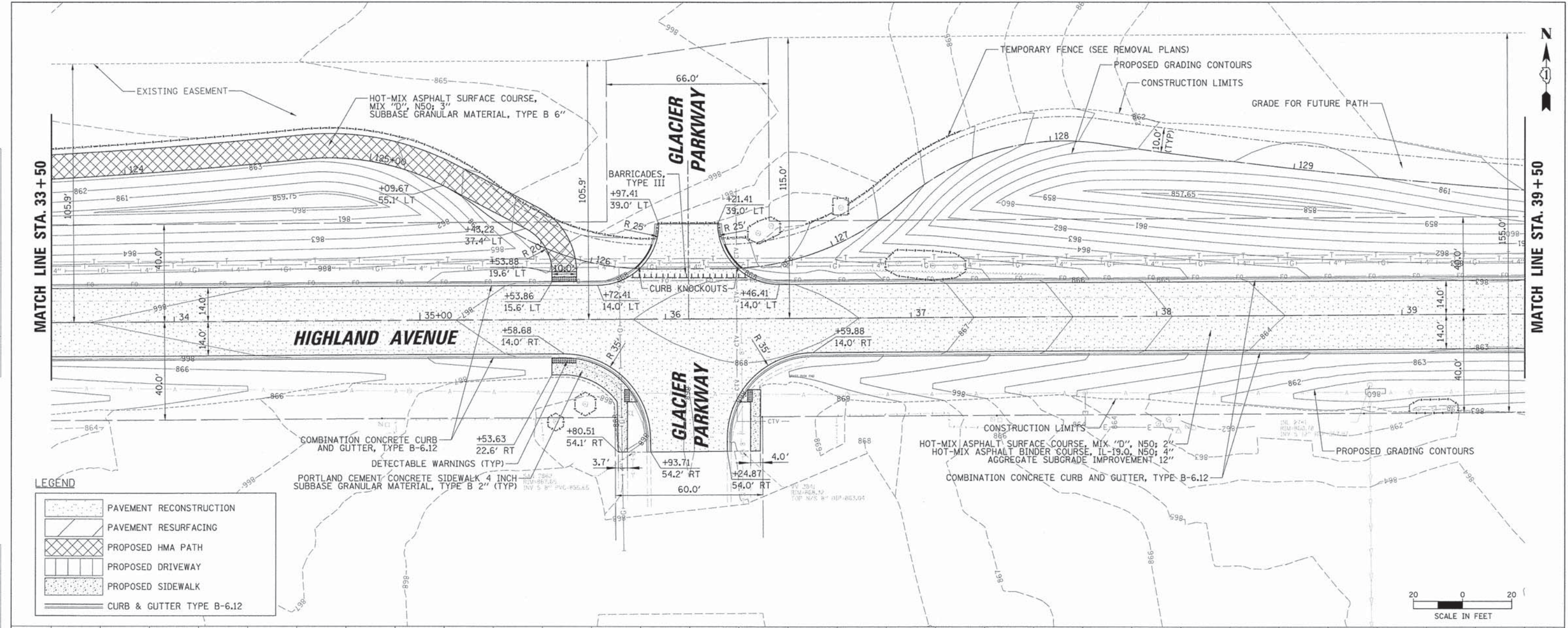
- PAVEMENT RECONSTRUCTION
- PAVEMENT RESURFACING
- PROPOSED HMA PATH
- PROPOSED DRIVEWAY
- PROPOSED SIDEWALK
- CURB & GUTTER TYPE B-6.12



<p>CHRISTOPHER B. BURKE ENGINEERING, LTD. 5075 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500</p>	<p>USER NAME = jstreich</p> <p>DESIGNED - SNS DRAWN - PWN CHECKED - MEK PLOT DATE = 12/29/2015</p>	<p>REVISSED - REVISSED - REVISSED - REVISSED -</p>	<p>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p>	<p>HIGHLAND AVENUE ROADWAY PLAN AND PROFILE</p> <p>SCALE: 1" = 20' SHEET NO. 4 OF 8 SHEETS STA. 27+50 TO STA. 33+50</p>	<p>F.A.U. RTE. 4007 SECTION 14-00088-00-PW COUNTY MCHENRY TOTAL SHEETS 83 SHEET NO. 22</p> <p>CONTRACT NO. 61C24</p> <p>ILLINOIS FED. AID PROJECT</p>
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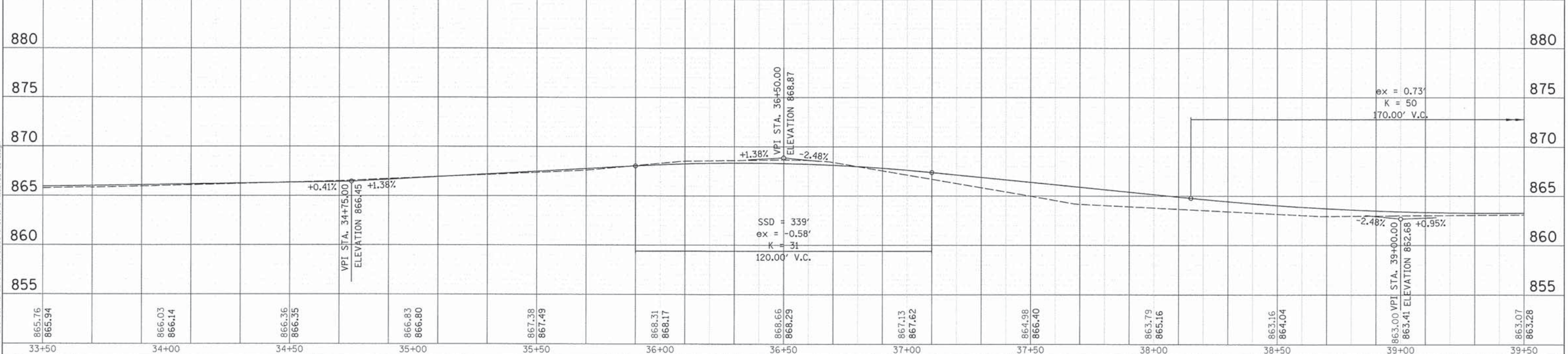
PLAN	SURVEYED	BY	DATE
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	CHECKED		
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	FILE NAME		

PROFILE	SURVEYED	BY	DATE
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	FILE NAME		



LEGEND

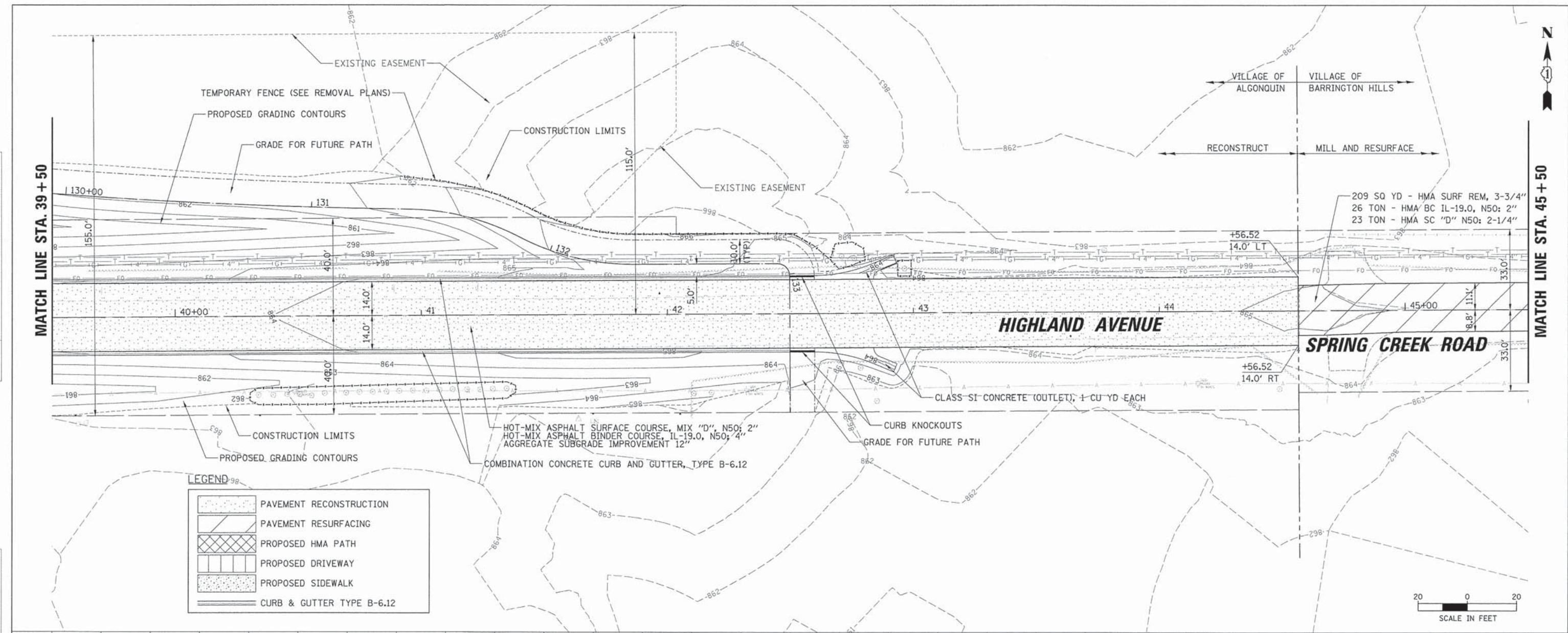
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	PAVEMENT RESURFACING
	PROPOSED HMA PATH
	PROPOSED DRIVEWAY
	PROPOSED SIDEWALK
	CURB & GUTTER TYPE B-6.12



CHRISTOPHER B. BURKE ENGINEERING, LTD. 1075 W. Higgins Road, Suite 500 Rosemont, Illinois 60018 (847) 853-0500	USER NAME = jatrik DESIGNED - SNS DRAWN - PWN CHECKED - MEK PLOT DATE = 12/29/2015	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HIGHLAND AVENUE ROADWAY PLAN AND PROFILE SCALE: 1" = 20' SHEET NO. 5 OF 8 SHEETS STA. 33+50 TO STA. 39+50	F.A.U. RTE. 4007 SECTION 14-00088-00-PW COUNTY MCHENRY TOTAL SHEETS 83 SHEET NO. 23 CONTRACT NO. 61C24 ILLINOIS FED. AID PROJECT
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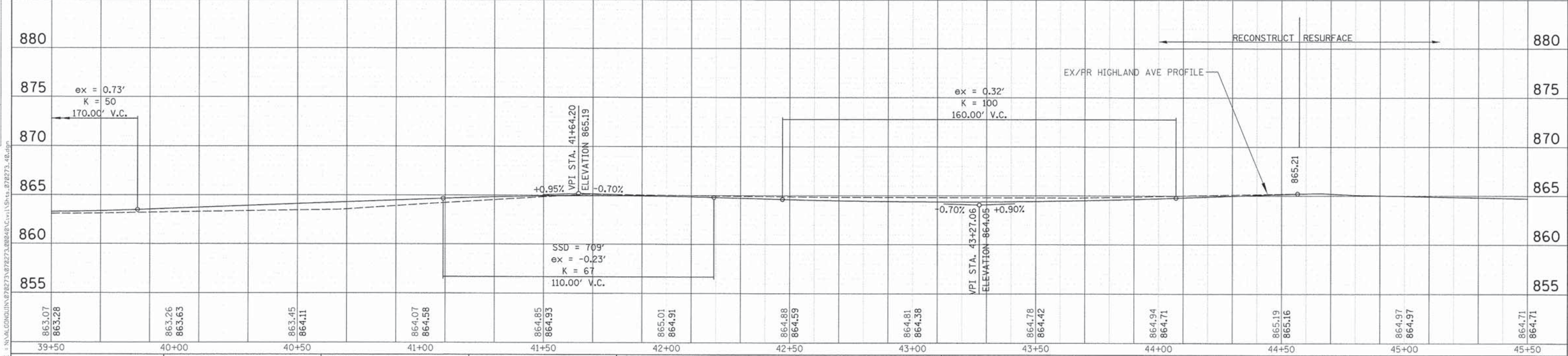
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	ALIGNED		
	GRADES CHECKED		
	RT. OF WAY CHECKED		
	PAID FILE NAME		

PROFILE	SURVEYED	BY	DATE
	GRADES CHECKED		
	STRUCTURE NOTATION		
	NOTATION		



LEGEND

	PAVEMENT RECONSTRUCTION
	PAVEMENT RESURFACING
	PROPOSED HMA PATH
	PROPOSED DRIVEWAY
	PROPOSED SIDEWALK
	CURB & GUTTER TYPE B-6.12



CHRISTOPHER B. BURKE ENGINEERING, LTD.
 8075 W. Higgins Road, Suite 900
 Rosemont, Illinois 60018
 (847) 823-0500

USER NAME = jstrick	DESIGNED - SNS	REVISED -
PLOT SCALE = 20'	DRAWN - PWN	REVISED -
PLOT DATE 12/8/2015	CHECKED - MEK	REVISED -
	DATE - 09/02/2011	REVISED -

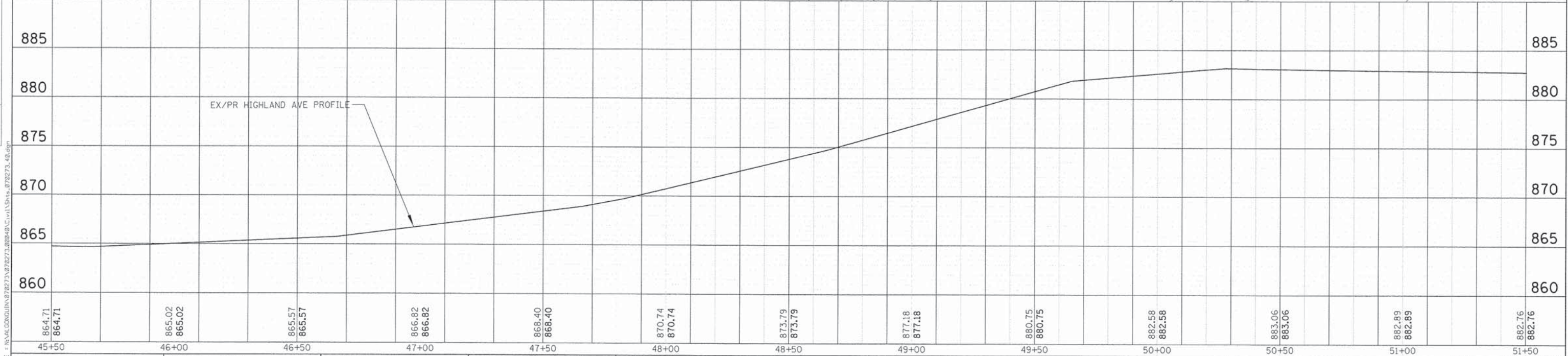
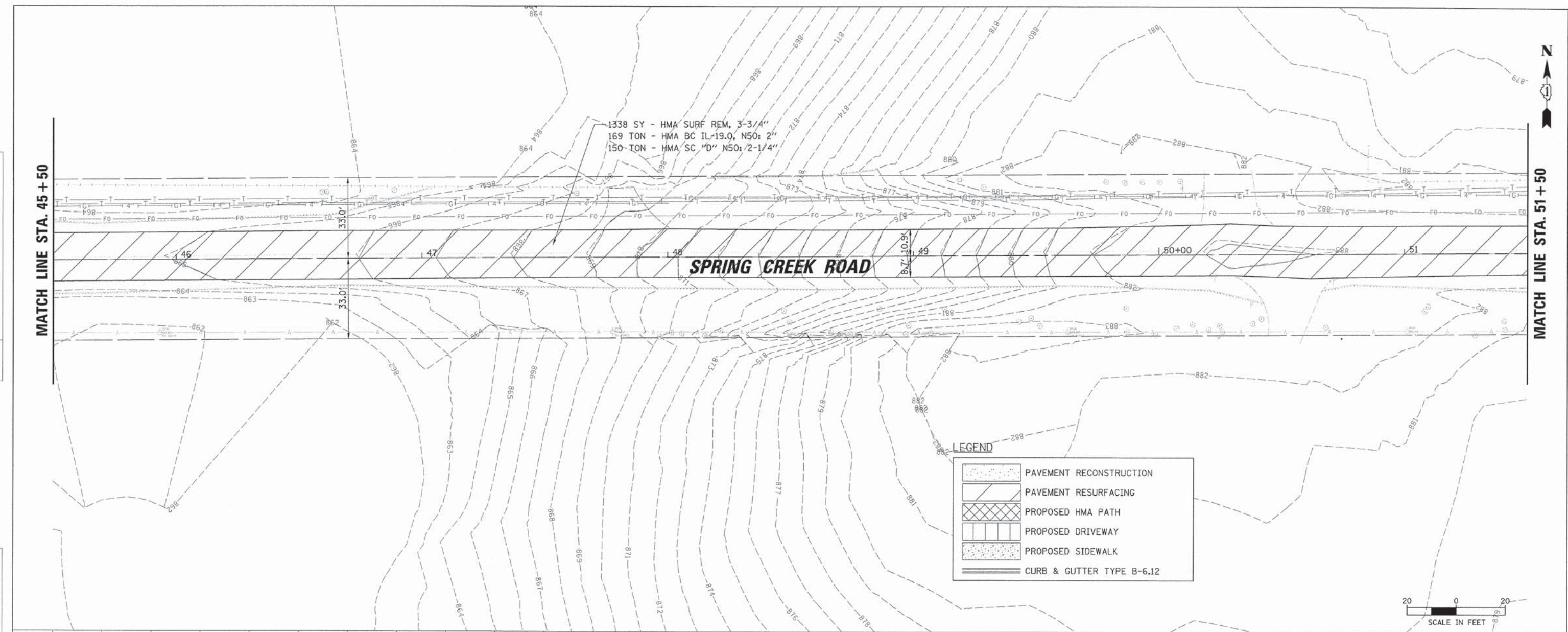
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

HIGHLAND AVENUE ROADWAY PLAN AND PROFILE
 SCALE: 1" = 20' SHEET NO. 6 OF 8 SHEETS STA. 39+50 TO STA. 45+50

F.A.U. RTE. 4007	SECTION 14-00088-00-PW	COUNTY MCHENRY	TOTAL SHEETS 83	SHEET NO. 24
CONTRACT NO. 61C24			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	BY	DATE
	NOTE BOOK		
	ALIGNED		
	RT. OF WAY CHECKED		
	NO.		
	FILE NAME		

PROFILE	SURVEYED	BY	DATE
	GRADES CHECKED		
	BLM. NOTED		
	STRUCTURE NOTATIONS		
	CRSD		
	NO.		



864.71 864.71	865.02 865.02	865.57 865.57	866.82 866.82	868.40 868.40	870.74 870.74	873.79 873.79	877.18 877.18	880.75 880.75	882.58 882.58	883.06 883.06	882.89 882.89	882.76 882.76
45+50	46+00	46+50	47+00	47+50	48+00	48+50	49+00	49+50	50+00	50+50	51+00	51+50

USER NAME = jstrick	DESIGNED - SNS	REVISED -
DRAWN - PWN	REVISED -	
CHECKED - MEK	REVISED -	
DATE = 09/02/2011	REVISED -	

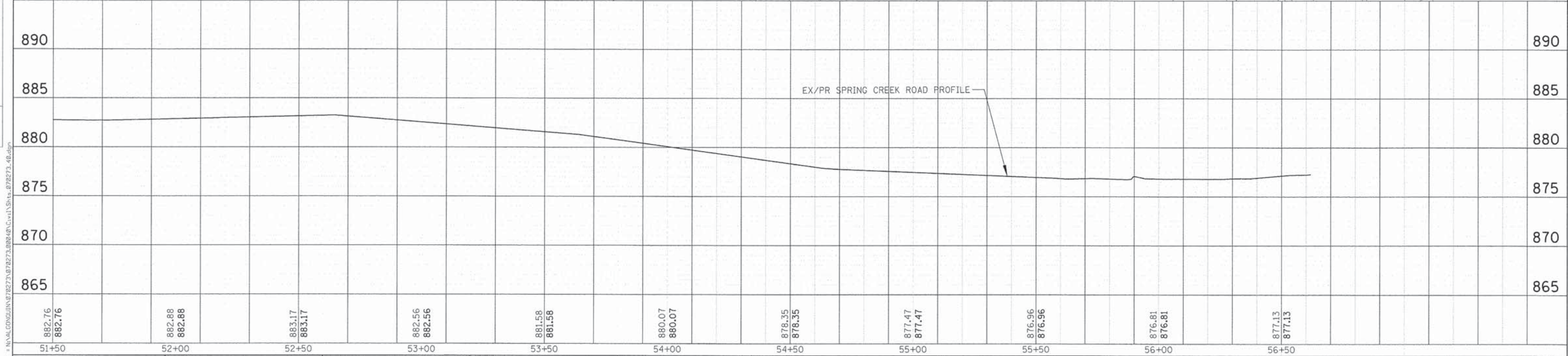
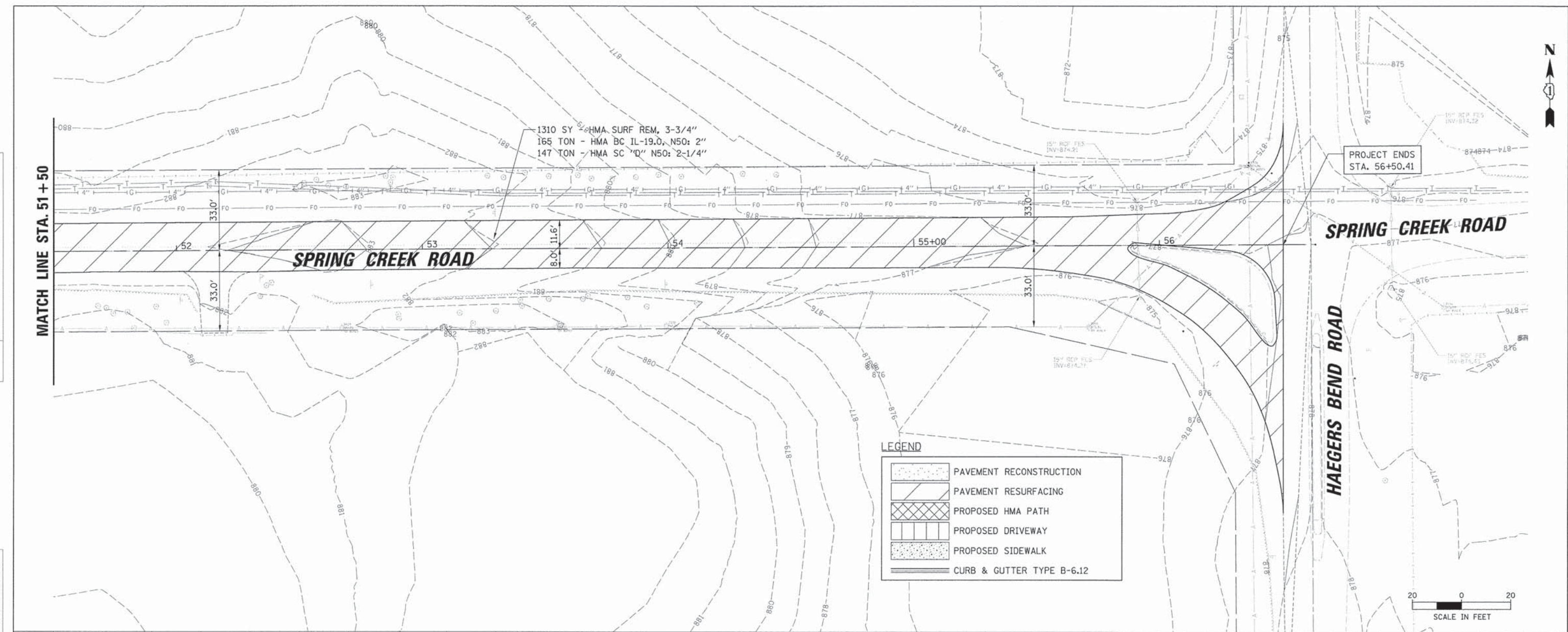
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HIGHLAND AVENUE ROADWAY PLAN AND PROFILE	F.A.U. RTE. 4007	SECTION 14-00088-00-PW	COUNTY MCHENRY	TOTAL SHEETS 83	SHEET NO. 25
SCALE: 1" = 20'	SHEET NO. 7 OF 8 SHEETS	STA. 45+50 TO STA. 51+50	CONTRACT NO. 61C24			

ILLINOIS FED. AID PROJECT

FILE NAME = N:\ALGONDWIN\87273\87273-888848\Civil\Sh-ts_87273_48.dgn

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	ALIGNED		
	NOTE BOOK		
	NO. OF WAY CHECKED		
	NO.		
	ADD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	GRADES CHECKED		
	NOTE BOOK		
	NO.		
	STRUCTURE NOTATIONS CHECKED		



882.76 882.76	882.88 882.88	883.17 883.17	882.56 882.56	881.58 881.58	880.07 880.07	878.35 878.35	877.47 877.47	876.96 876.96	876.81 876.81	877.13 877.13	890
51+50	52+00	52+50	53+00	53+50	54+00	54+50	55+00	55+50	56+00	56+50	890

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 1975 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-6500

USER NAME = jstrick	DESIGNED - SNS	REVISED -
PLOT SCALE = 20'	DRAWN - PWN	REVISED -
PLOT DATE = 12/8/2015	CHECKED - MEK	REVISED -
	DATE - 09/02/2011	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

HIGHLAND AVENUE ROADWAY PLAN AND PROFILE
 SCALE: 1" = 20' SHEET NO. 8 OF 8 SHEETS STA. 51+50 TO STA. 56+50

F.A.U. RTE. 4007	SECTION 14-00088-00-PW	COUNTY MCHENRY	TOTAL SHEETS 83	SHEET NO. 26
CONTRACT NO. 61C24			ILLINOIS FED. AID PROJECT	



DATE	
BY	
SURVEYED	
PLANNED	
DESIGNED	
CHECKED	
IN CHARGE	
NO. OF WAY CHECKED	
ADD FILE NAME	
PLAN	
NOTE BOOK	
NO.	

DATE	
BY	
SURVEYED	
PLANNED	
DESIGNED	
CHECKED	
IN CHARGE	
NO. OF WAY CHECKED	
ADD FILE NAME	
PROFILE	
NOTE BOOK	
NO.	

FILE NAME = N:\AL\GD\JUN14\78273\00848\Civil\Sheet_078273_48.dwg

HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
HOT-MIX ASPHALT SURFACE COURSE, MIX "D" N50, 2 INCH
BITUMINOUS MATERIAL (PRIME COAT) (TYP.)

PAINT PAVEMENT MARKING - LINE 12" DIAGONALS
RESTORE TO EXISTING CONDITIONS
ALL HANDICAP SPACES TO BE ADA COMPLIANT (TYP.)

PAINT PAVEMENT MARKING - LINE 4"
RESTORE TO EXISTING CONDITIONS (TYP.)

17 REMOVE EXISTING PARKING BLOCKS
17 PRECAST CONCRETE PARKING BLOCKS

EXIST. HANDICAP SIGN TO REMAIN (TYP.)

PAINT PAVEMENT MARKING - LETTERS & SYMBOLS (TYP.)

HOT-MIX ASPHALT SURFACE COURSE,
MIX "D" N50, 2 INCH
BITUMINOUS MATERIAL (PRIME COAT)
(TYP. OUTSIDE HMA SURFACE REMOVAL AREAS)

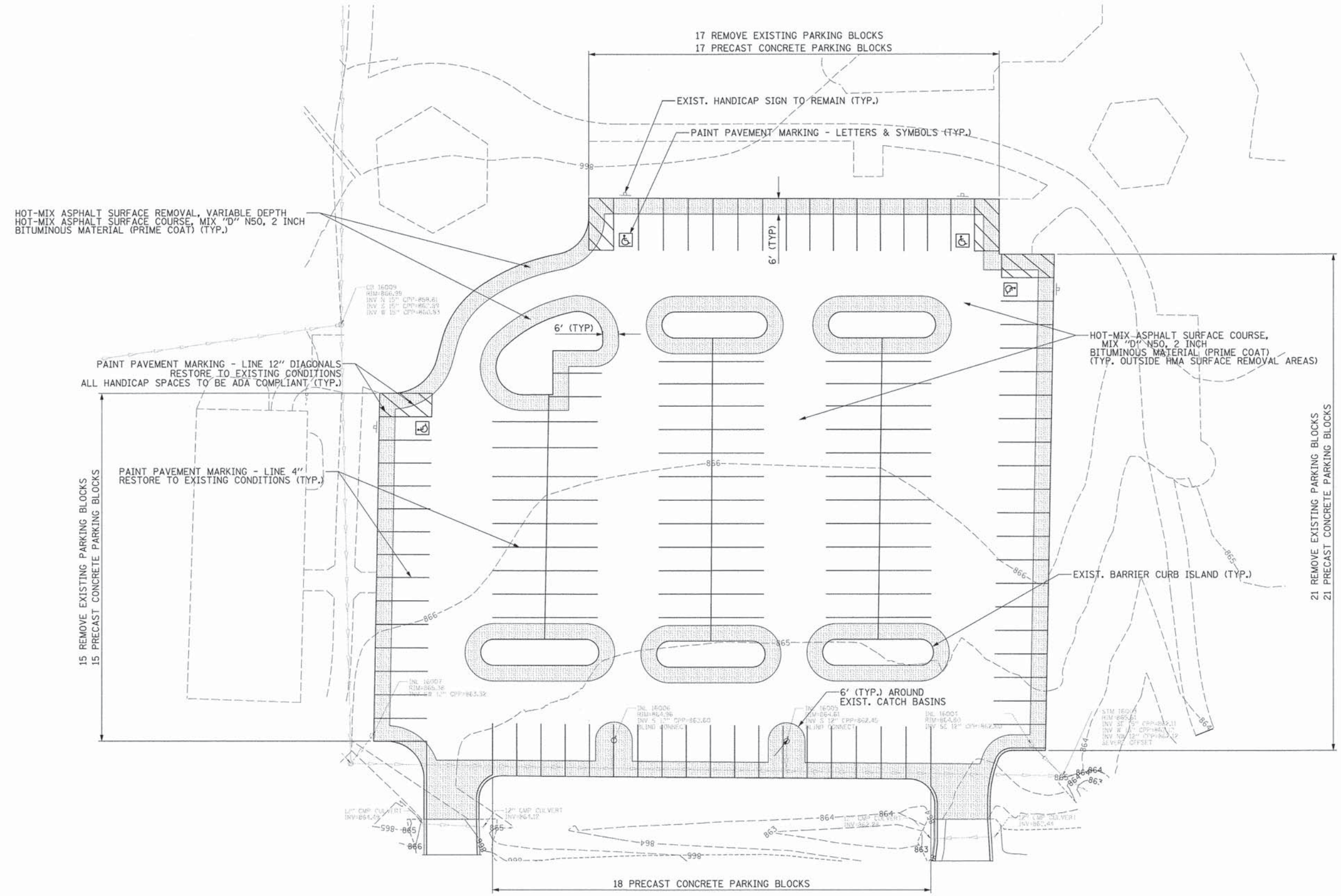
21 REMOVE EXISTING PARKING BLOCKS
21 PRECAST CONCRETE PARKING BLOCKS

15 REMOVE EXISTING PARKING BLOCKS
15 PRECAST CONCRETE PARKING BLOCKS

EXIST. BARRIER CURB ISLAND (TYP.)

6' (TYP.) AROUND
EXIST. CATCH BASINS

18 PRECAST CONCRETE PARKING BLOCKS



USER NAME = jstrick	DESIGNED - MEK	REVISED -
PLLOT SCALE = 20'	CHECKED - VMR	REVISED -
PLLOT DATE = 12/8/2015	DRAWN - MTV	REVISED -
	CHECKED - 10/27/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

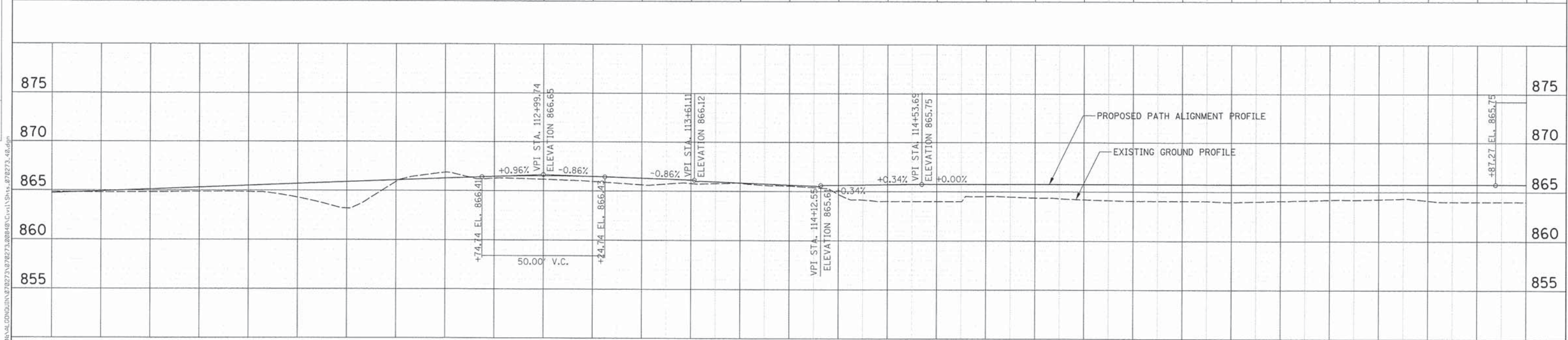
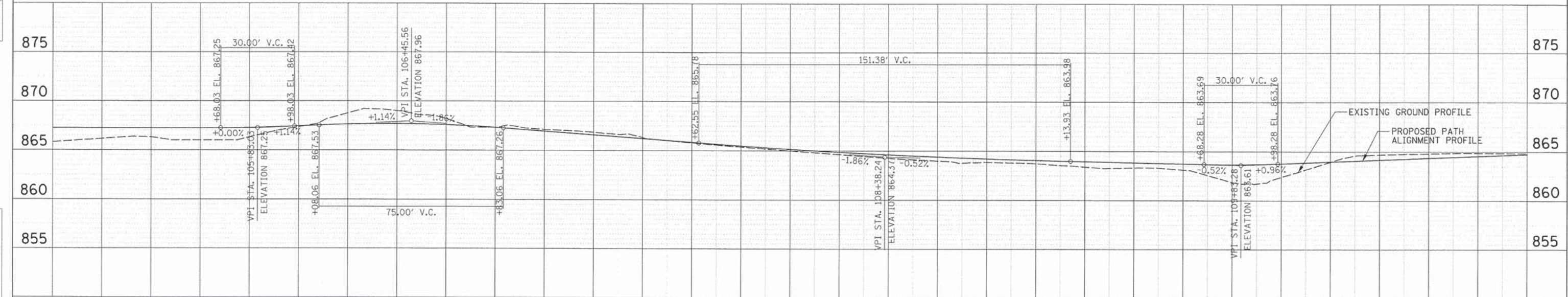
HIGHLAND AVENUE PARKING LOT PLAN

SCALE: SHEET NO. 1 OF 1 SHEETS STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4007	14-00088-00-PW	MCHENRY	83	27
CONTRACT NO. 61C24			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	BY	DATE
	NOTE BOOK		
	NO. OF WAY CHECKED		
	ROAD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	BLM. NOTED		
	STRUCTURE NOTATIONS CHECKED		



CB CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9375 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

USER NAME = jstrick	DESIGNED - SNS	REVISED -
PLOT SCALE = 20'	DRAWN - PWN	REVISED -
PLOT DATE = 12/8/2015	CHECKED - MEK	REVISED -
	DATE - 09/02/2011	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

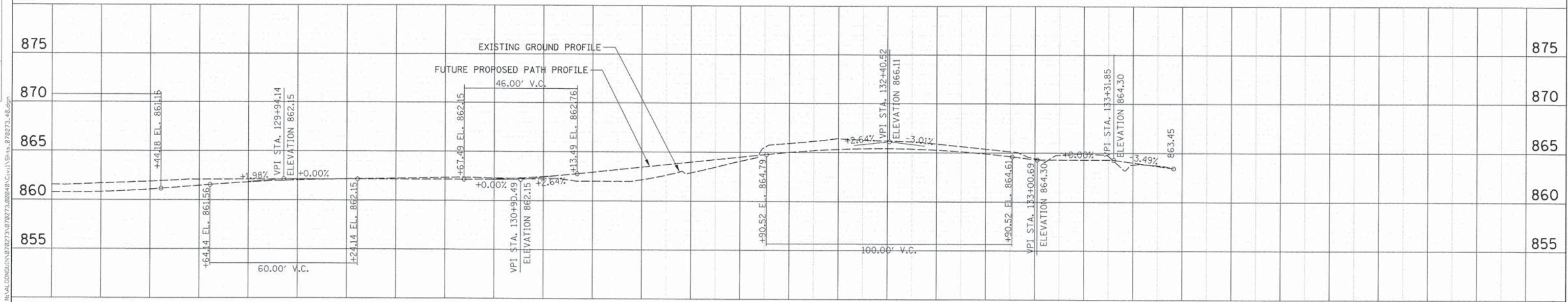
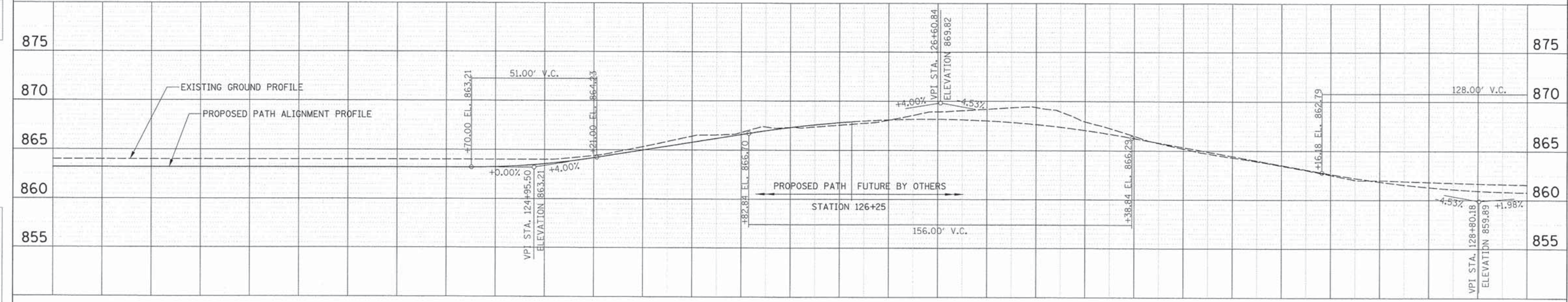
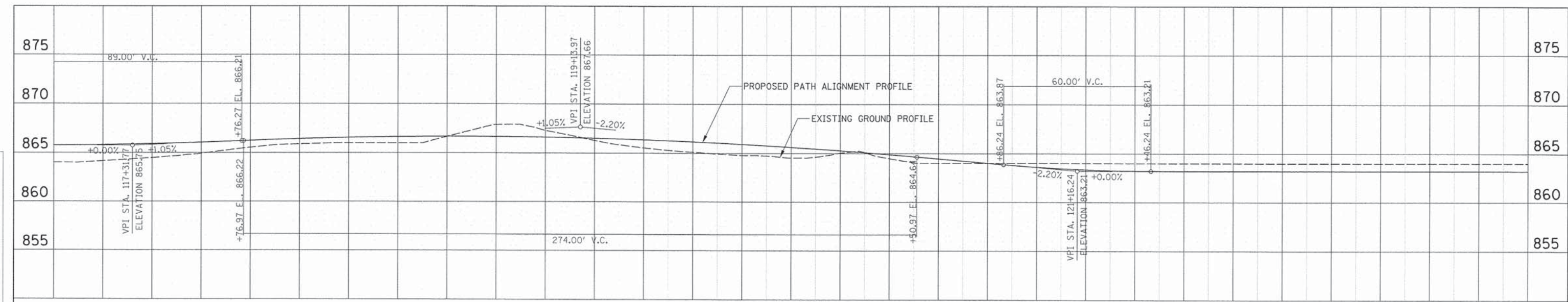
BIKE PATH PROFILE		
SCALE: 1" = 20'	SHEET NO. 1 OF 2 SHEETS	STA. 100+00 TO STA. 117+00

F.A.U. RTE. 4007	SECTION 14-00088-00-PW	COUNTY MCHENRY	TOTAL SHEETS 83	SHEET NO. 28
CONTRACT NO. 61C24				ILLINOIS FED. AID PROJECT

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PLAN	SURVEYED	BY	DATE
	NOTE BOOK		
	NO.		
	NO.		

PROFILE	SURVEYED	BY	DATE
	GRADES CHECKED		
	NO.		
	NO.		



CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9275 W. Higgins Road, Suite 400
 Rosemont, Illinois 60018
 (847) 823-0500

USER NAME = jstrick
 PLOT SCALE = 2"
 PLOT DATE = 12/8/2015

DESIGNED - SNS
 DRAWN - PWN
 CHECKED - MEK
 DATE - 09/02/2011

REVISED -
 REVISED -
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

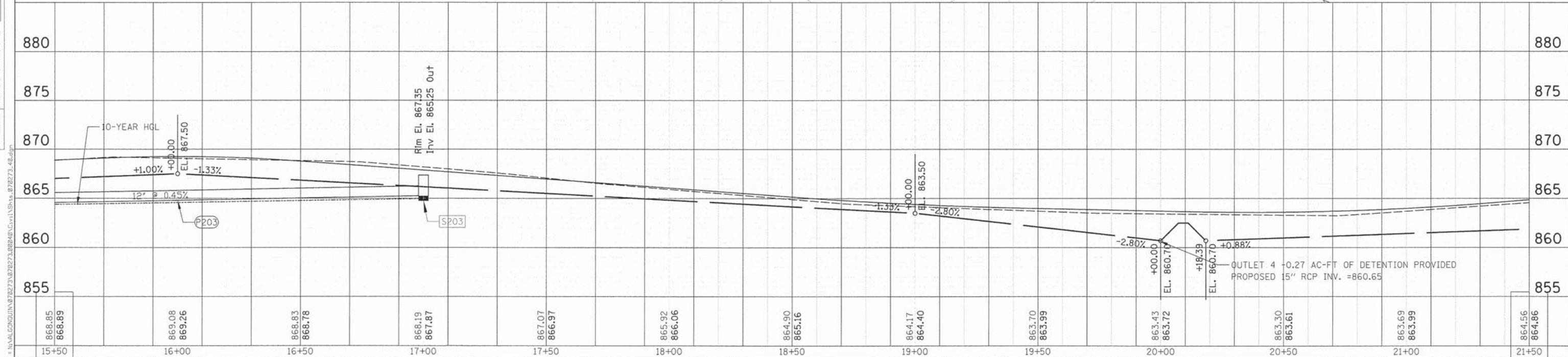
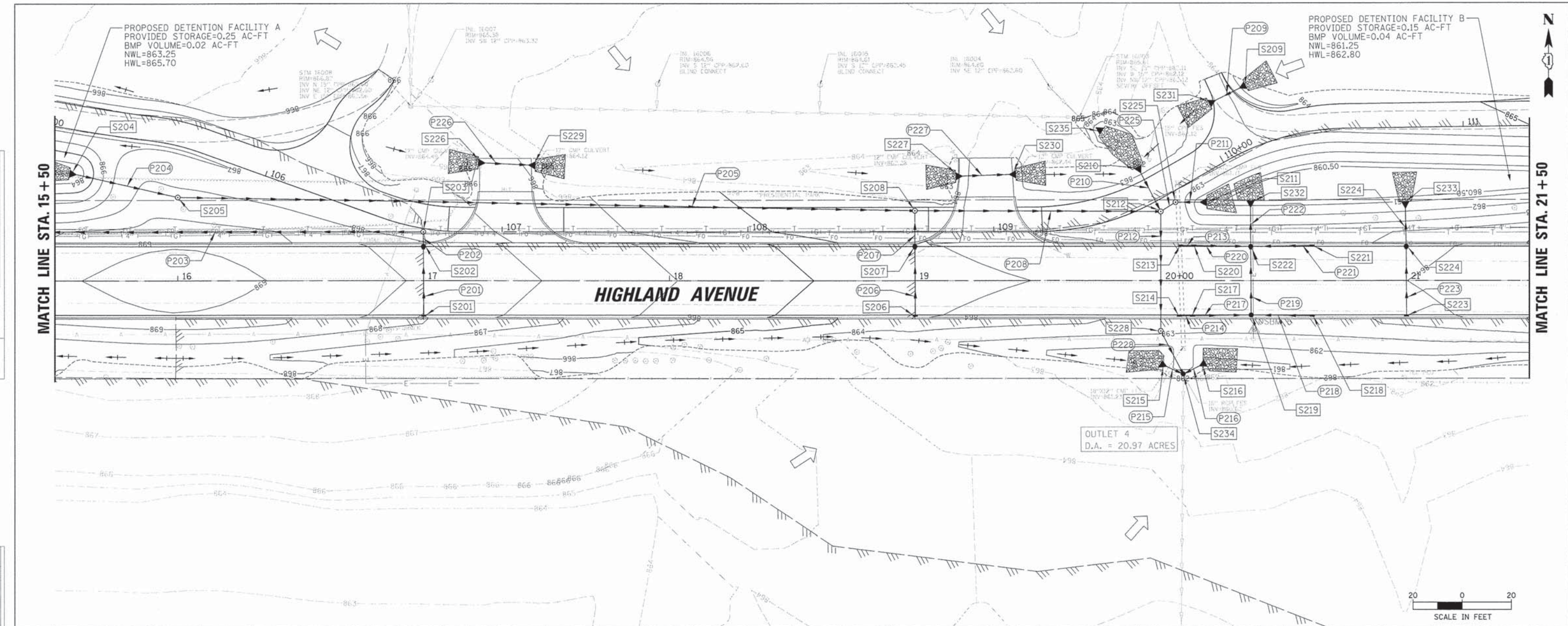
BIKE PATH PROFILE

SCALE: 1" = 20' SHEET NO. 2 OF 2 SHEETS STA. 117+00 TO STA. 133+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4007	14-00088-00-PW	MCHENRY	83	29
CONTRACT NO. 61C24			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	NO. OF WAY CHECKED		
	ADD FILE NAME		
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PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	NO. NOTED		
	STRUCTURE NOTATIONS CHECKED		
	NO.		



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USER NAME = jstrik	DESIGNED - SNS	REVISED -
	DRAWN - PWN	REVISED -
	CHECKED - MEK	REVISED -
	DATE - 09/02/2011	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

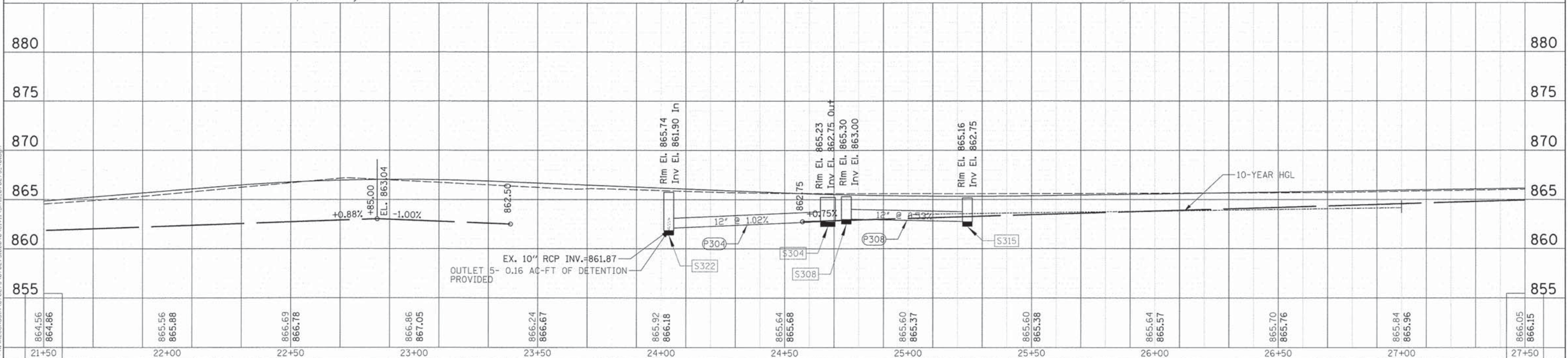
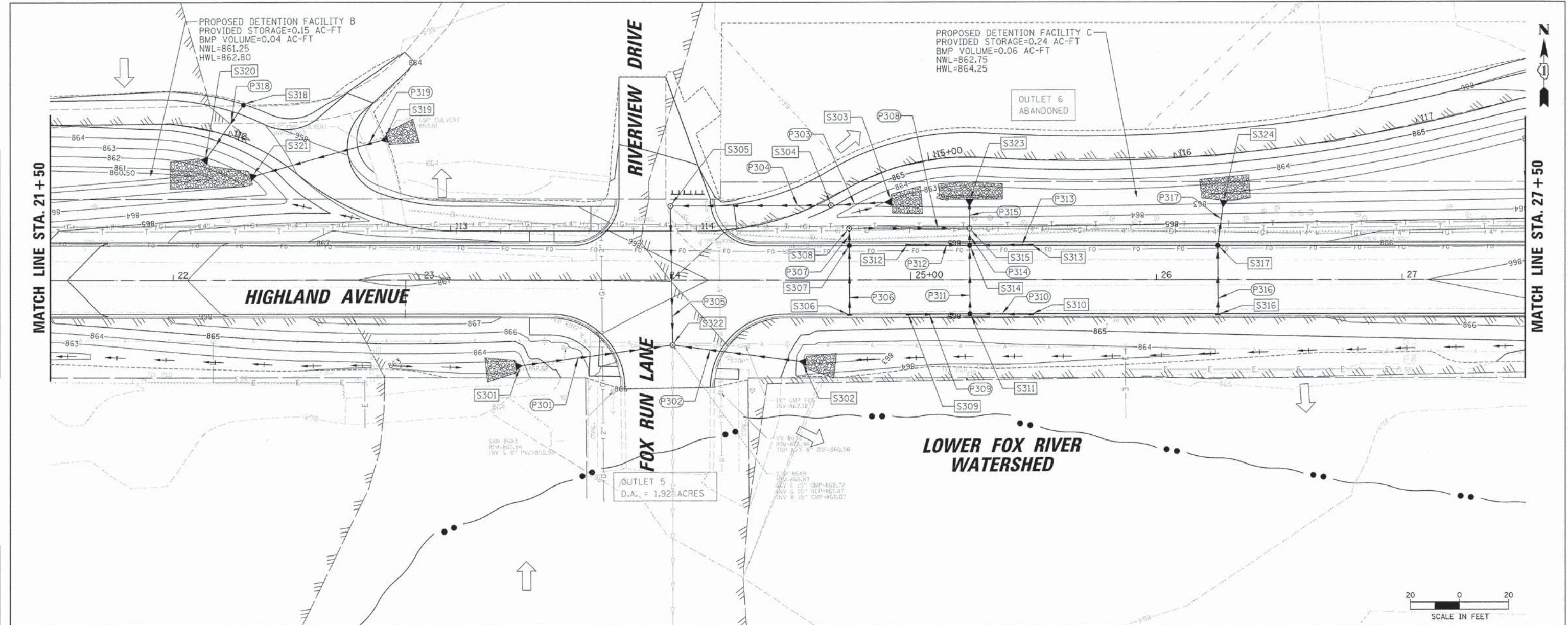
HIGHLAND AVENUE DRAINAGE PLAN AND PROFILE

SCALE: 1" = 20' SHEET NO. 2 OF 8 SHEETS STA. 15+50 TO STA. 21+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4007	14-00088-00-PW	MCHENRY	83	31
CONTRACT NO. 61C24			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	BY	DATE
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	ADD FILE NAME		
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CB CHRISTOPHER B. BURKE ENGINEERING, LTD.
4571 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = jstrik	DESIGNED - SNS	REVISED -
	DRAWN - PWN	REVISED -
PLOT SCALE = 20'	CHECKED - MEK	REVISED -
PLOT DATE = 12/29/2015	DATE - 09/02/2011	REVISED -

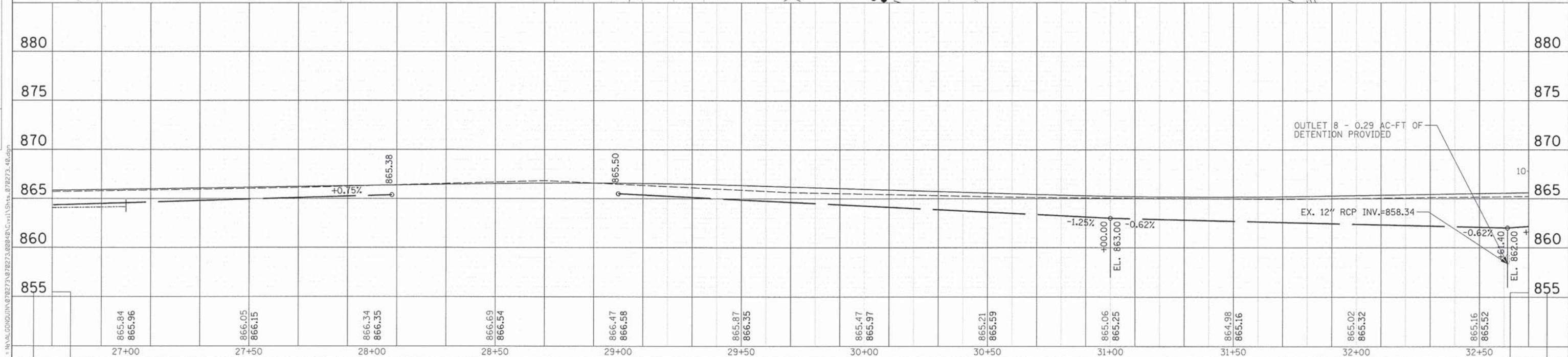
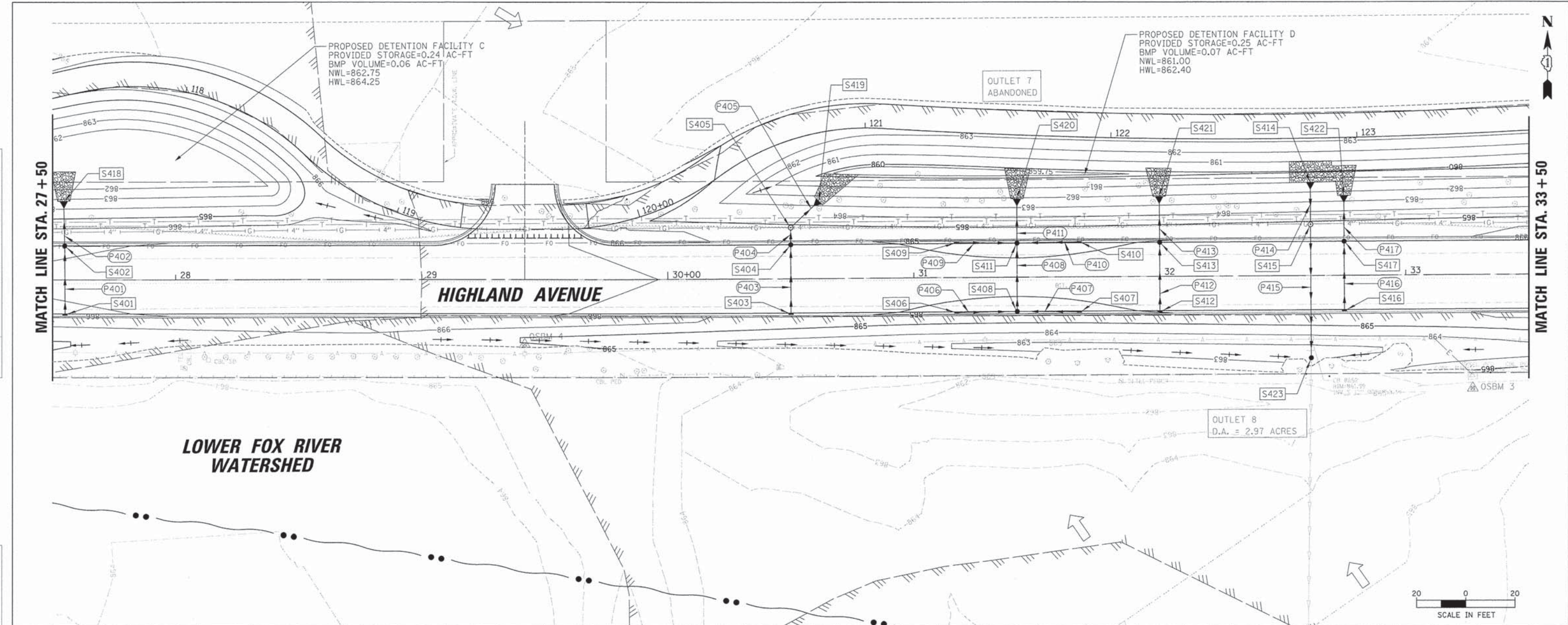
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HIGHLAND AVENUE DRAINAGE PLAN AND PROFILE
SCALE: 1" = 20' SHEET NO. 3 OF 8 SHEETS STA. 21+50 TO STA. 27+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4007	14-00088-00-PW	MCHENRY	83	32
			CONTRACT NO. 61C24	
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	NOTED		
	CHECKED		
	NO. OF WAY CHECKED		
	NO.		
	FILE NAME		

PROFILE	SURVEYED	BY	DATE
	NOTED		
	CHECKED		
	NO. OF WAY CHECKED		
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	FILE NAME		



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 DRAWN: PWN
 CHECKED: MEK
 DATE: 09/02/2011

USER NAME = jstrick	DESIGNED - SNS	REVISED -
PLLOT SCALE = 20'	DRAWN - PWN	REVISED -
PLLOT DATE = 12/29/2015	CHECKED - MEK	REVISED -
	DATE - 09/02/2011	REVISED -

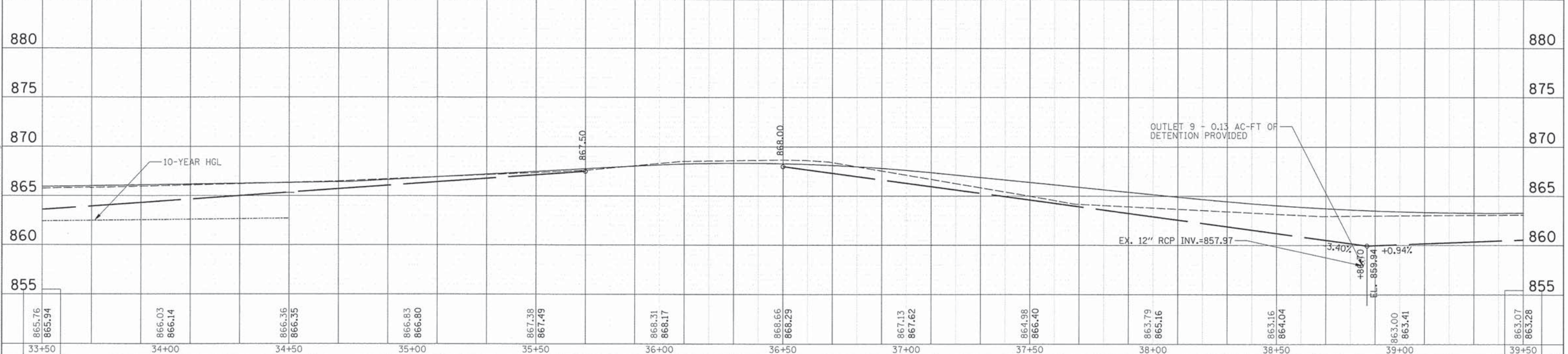
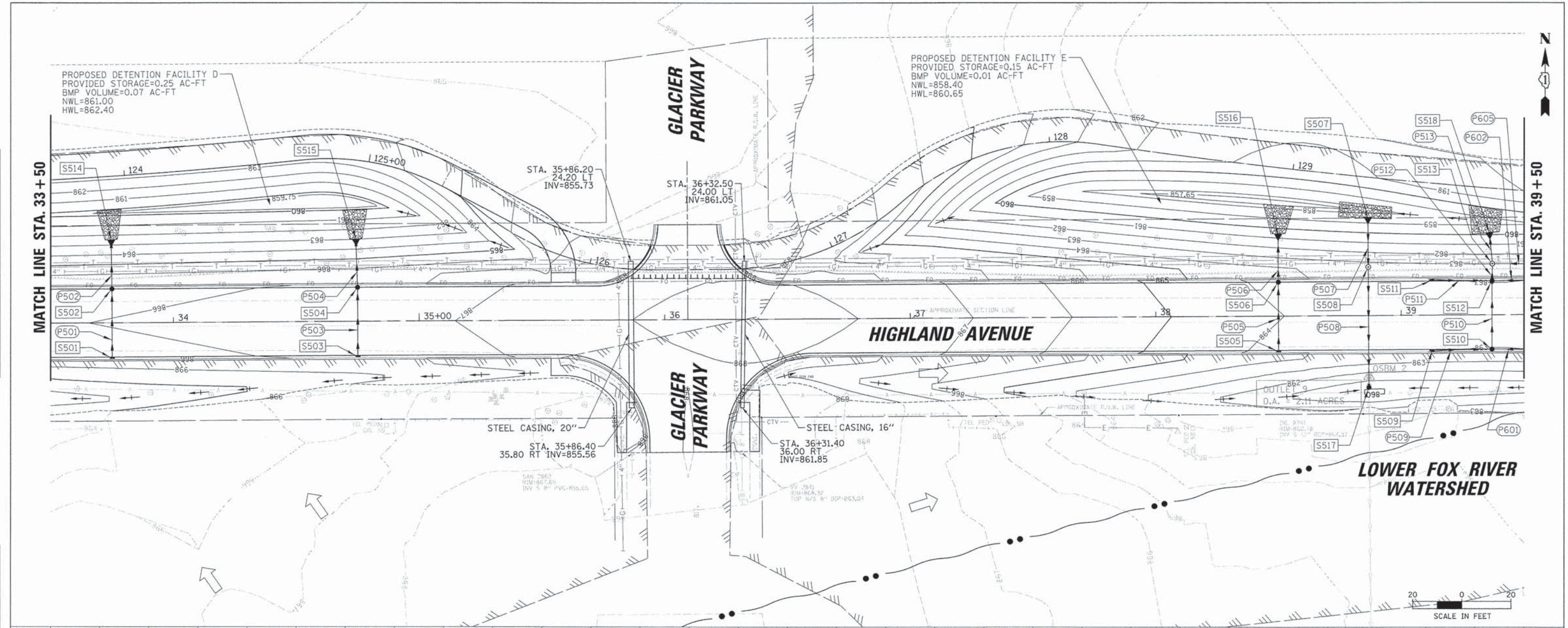
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HIGHLAND AVENUE DRAINAGE PLAN AND PROFILE
 SCALE: 1" = 20' SHEET NO. 4 OF 8 SHEETS STA. 27+50 TO STA. 33+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4007	14-00088-00-PW	MCHENRY	83	33
CONTRACT NO. 61C24			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	BY	DATE
	DESIGNED		
	DRAWN		
	CHECKED		
	NOTED		
	FILE NAME		

PROFILE	SURVEYED	BY	DATE
	DESIGNED		
	DRAWN		
	CHECKED		
	NOTED		
	FILE NAME		



865.76	865.94	866.03	866.14	866.36	866.35	866.83	866.80	867.38	867.49	868.31	868.17	868.66	868.29	867.13	867.62	864.98	866.40	863.79	865.16	863.16	864.04	863.00	863.41	863.07	863.28
33+50	34+00	34+50	35+00	35+50	36+00	36+50	37+00	37+50	38+00	38+50	39+00	39+50													

CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

USER NAME = jstirick
 DESIGNED - SNS
 DRAWN - PWN
 CHECKED - MEK
 PLOT SCALE = 20'
 PLOT DATE = 12/29/2015

DESIGNED - SNS
 DRAWN - PWN
 CHECKED - MEK
 DATE - 09/02/2011

REVISED -
 REVISED -
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 REVISED -

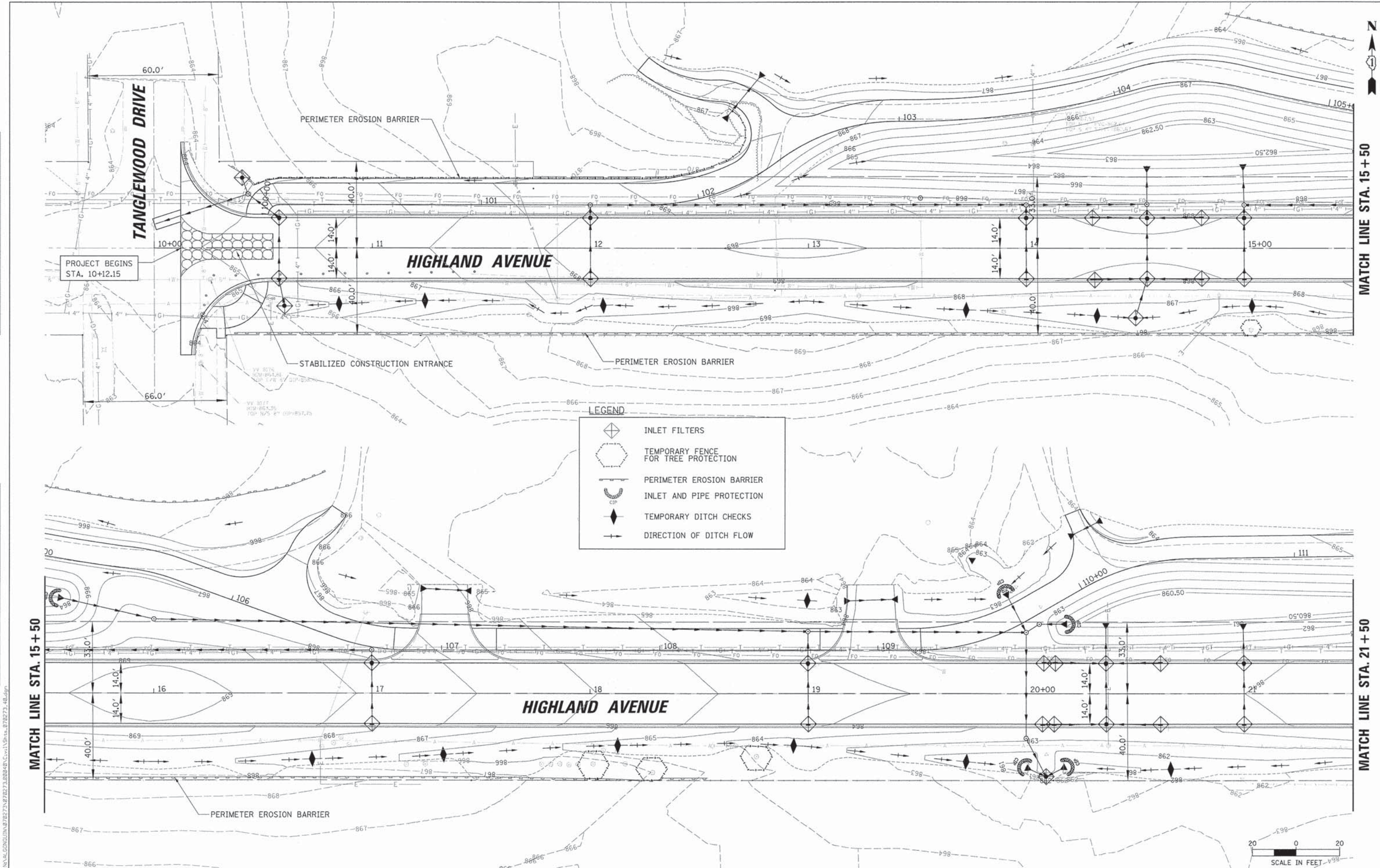
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

HIGHLAND AVENUE DRAINAGE PLAN AND PROFILE
 SCALE: 1" = 20' SHEET NO. 5 OF 8 SHEETS STA. 33+50 TO STA. 39+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4007	14-00088-00-PW	MCHENRY	83	34
CONTRACT NO. 61C24			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	BY	DATE
	ALIGNED		
	PLOTTED		
	CHECKED		
	NOTE BOOK		
	NO. _____		
	DATE _____		
	BY _____		
	DATE _____		

PROFILE	SURVEYED	BY	DATE
	ALIGNED		
	PLOTTED		
	CHECKED		
	NOTE BOOK		
	NO. _____		
	DATE _____		
	BY _____		
	DATE _____		



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 CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

USER NAME = jstrick	DESIGNED - MEK	REVISED -
PLOT SCALE = 20'	CHECKED - VMR	REVISED -
PLOT DATE = 12/29/2015	DRAWN - MTV	REVISED -
	CHECKED - 10/27/2015	REVISED -

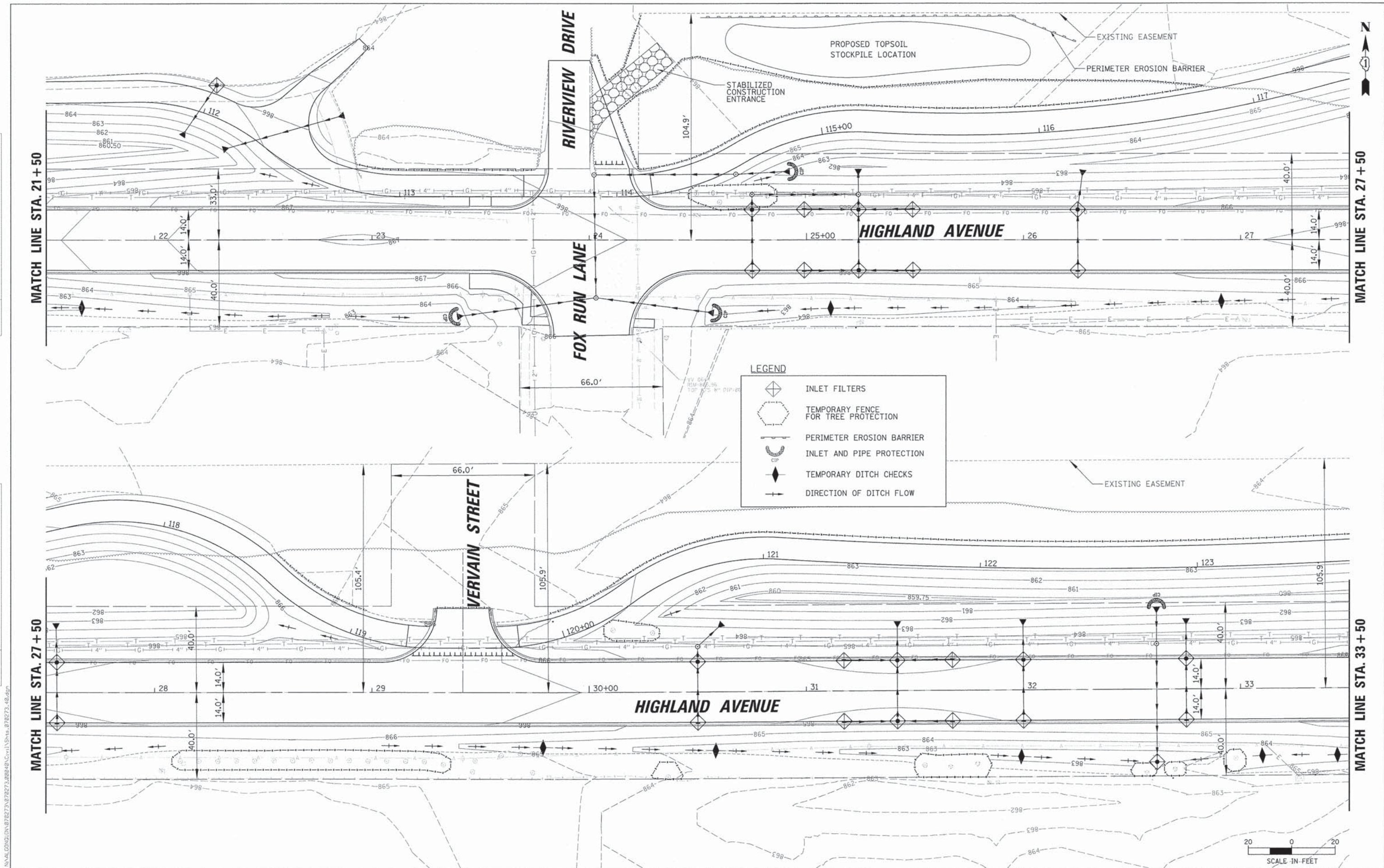
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

HIGHLAND AVENUE EROSION AND SEDIMENT CONTROL PLAN
 SCALE: 1" = 20' SHEET NO. 1 OF 4 SHEETS STA. 10+00 TO STA. 15+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4007	14-00088-00-PW	MCHENRY	83	38
			CONTRACT NO. 61C24	
ILLINOIS FED. AID PROJECT				

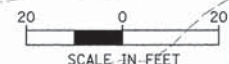
PLAN	SURVEYED	DATE
	ALIGNED	BY
	CHECKED	
	RT. OF WAY CHECKED	
	NO. OF	
	PROJ. FILE NAME	

PROFILE	SURVEYED	DATE
	ALIGNED	BY
	CHECKED	
	S.M. NOTED	
	STRUCTURE NOTATIONS CHKD	



LEGEND

- INLET FILTERS
- TEMPORARY FENCE FOR TREE PROTECTION
- PERIMETER EROSION BARRIER
- INLET AND PIPE PROTECTION
- TEMPORARY DITCH CHECKS
- DIRECTION OF DITCH FLOW



CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-6900

USER NAME = jstrik
 DESIGNED - MEK
 CHECKED - VMR
 DRAWN - MTV
 CHECKED - 10/27/2015
 PLOT SCALE = 20'
 PLOT DATE 12/29/2015

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

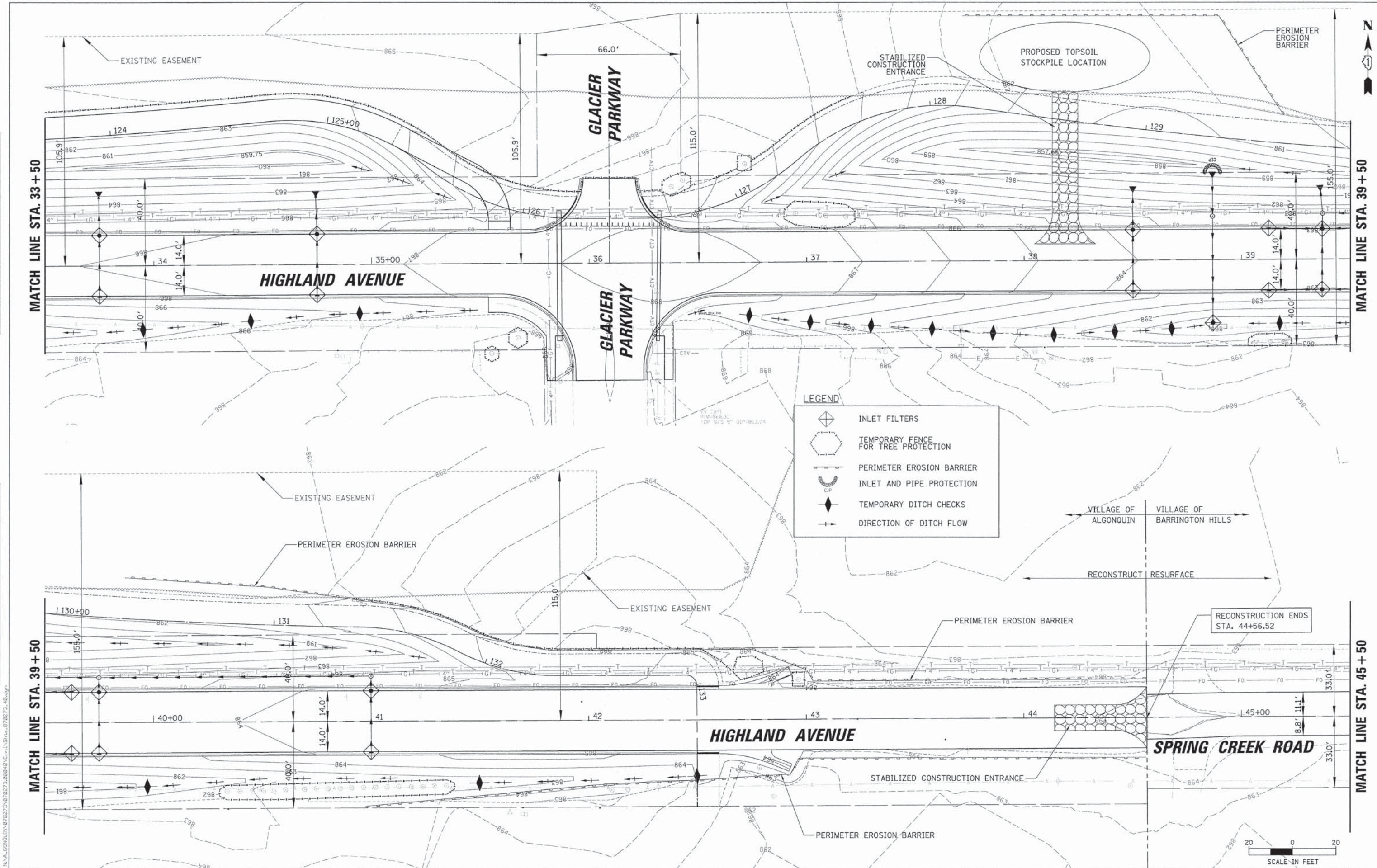
HIGHLAND AVENUE EROSION AND SEDIMENT CONTROL PLAN

SCALE: 1" = 20' SHEET NO. 2 OF 4 SHEETS STA. 21+50 TO STA. 33+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4007	14-00088-00-PW	MCHENRY	83	39
CONTRACT NO. 61C24			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	DATE
	PLANNED	
	NOTED	
	BY	
	NO.	

PROFILE	SURVEYED	DATE
	PLANNED	
	NOTED	
	BY	
	NO.	



LEGEND

- INLET FILTERS
- TEMPORARY FENCE FOR TREE PROTECTION
- PERIMETER EROSION BARRIER
- INLET AND PIPE PROTECTION
- TEMPORARY DITCH CHECKS
- DIRECTION OF DITCH FLOW



CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (647) 923-0900

USER NAME = jstirick	DESIGNED - MEK	REVISED -
	CHECKED - VMR	REVISED -
PLOT SCALE = 20'	DRAWN - MTV	REVISED -
PLOT DATE = 12/29/2015	CHECKED - 10/27/2015	REVISED -

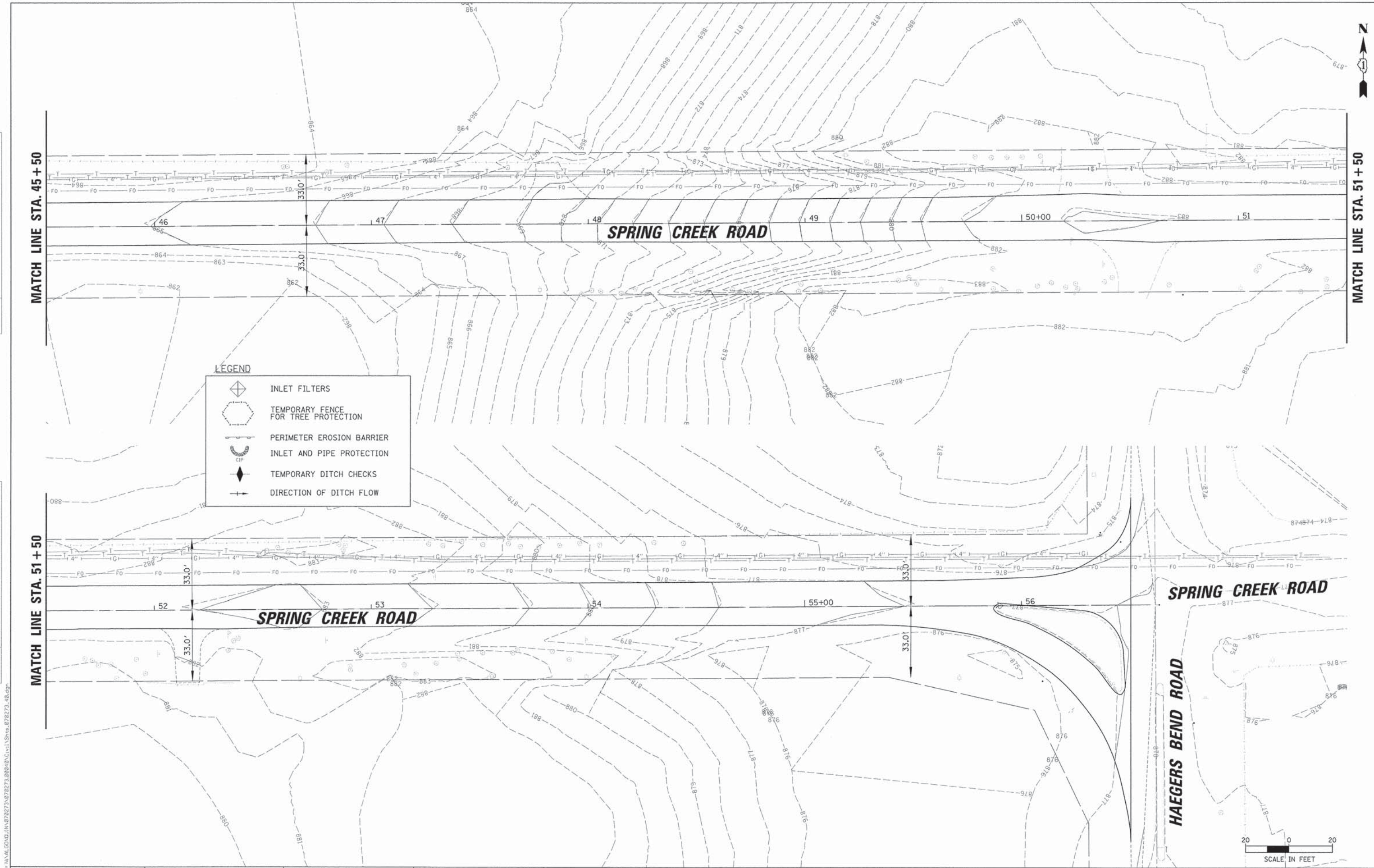
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HIGHLAND AVENUE EROSION AND SEDIMENT CONTROL PLAN
 SCALE: 1" = 20' SHEET NO. 3 OF 4 SHEETS STA. 33+50 TO STA. 45+50

F.A.U. RTE. 4007	SECTION 14-00088-00-PW	COUNTY MCHENRY	TOTAL SHEETS 83	SHEET NO. 40
CONTRACT NO. 61C24			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	DATE
	ALIGNED	
	CONTRACT	
	NO. OF WAY CHECKED	
	NO.	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	CONTRACT	
	NO. OF WAY CHECKED	
	NO.	
	STRUCTURE NOTATION SHIP	



LEGEND

	INLET FILTERS
	TEMPORARY FENCE FOR TREE PROTECTION
	PERIMETER EROSION BARRIER
	INLET AND PIPE PROTECTION
	TEMPORARY DITCH CHECKS
	DIRECTION OF DITCH FLOW

FILE NAME = N:\AL\GONDJIN\878273\878273_0004\01\15\Sta. 878273_46.dwg

CB CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

USER NAME = jastriak
 PLOT SCALE = 20'
 PLOT DATE = 12/8/2015

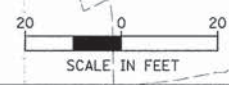
DESIGNED - MEK
 CHECKED - VMR
 DRAWN - MTV
 CHECKED - 10/27/2015

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

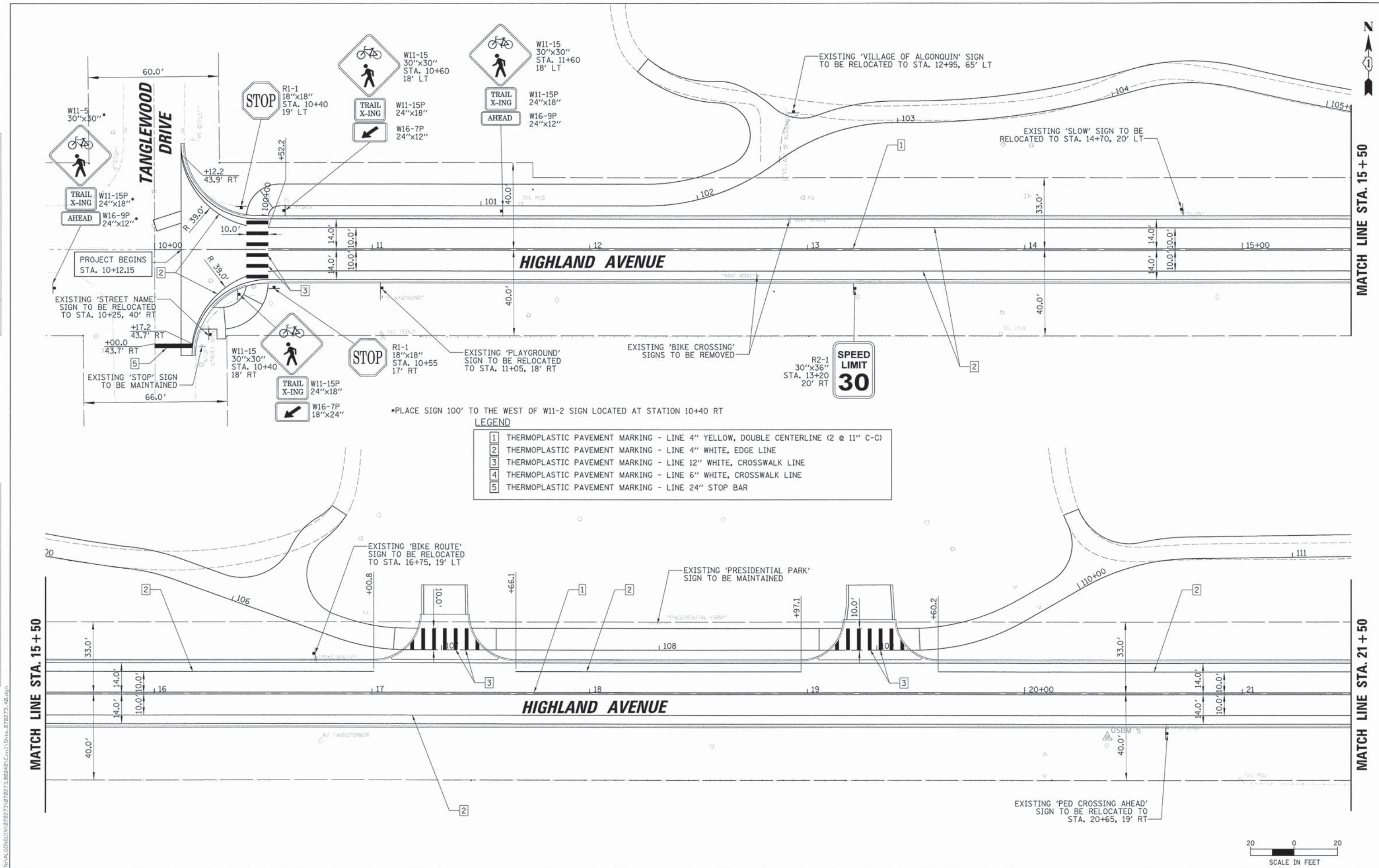
HIGHLAND AVENUE EROSION AND SEDIMENT CONTROL PLAN
 SCALE: 1" = 20' SHEET NO. 4 OF 4 SHEETS STA. 45+50 TO STA. 56+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4007	14-00088-00-PW	MCHENRY	83	41
				CONTRACT NO. 61C24
ILLINOIS FED. AID PROJECT				



PLAN	SURVEYED	BY	DATE
	NOTE BOOK		
	NO. OF WAY CHECKED		
	NO.		

PROFILE	SURVEYED	BY	DATE
	NOTE BOOK		
	NO. OF WAY CHECKED		
	NO.		



LEGEND

1	THERMOPLASTIC PAVEMENT MARKING - LINE 4" YELLOW, DOUBLE CENTERLINE (2 @ 11" C-C)
2	THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE, EDGE LINE
3	THERMOPLASTIC PAVEMENT MARKING - LINE 12" WHITE, CROSSWALK LINE
4	THERMOPLASTIC PAVEMENT MARKING - LINE 6" WHITE, CROSSWALK LINE
5	THERMOPLASTIC PAVEMENT MARKING - LINE 24" STOP BAR



CHRISTOPHER B. BURKE ENGINEERING, LTD.
 8575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 923-0900

USER NAME = jstrick	DESIGNED - MEK	REVISED -
PLDT SCALE = 20'	CHECKED - YMR	REVISED -
PLDT DATE 12/8/2015	DRAWN - MTV	REVISED -
	CHECKED - 10/27/2015	REVISED -

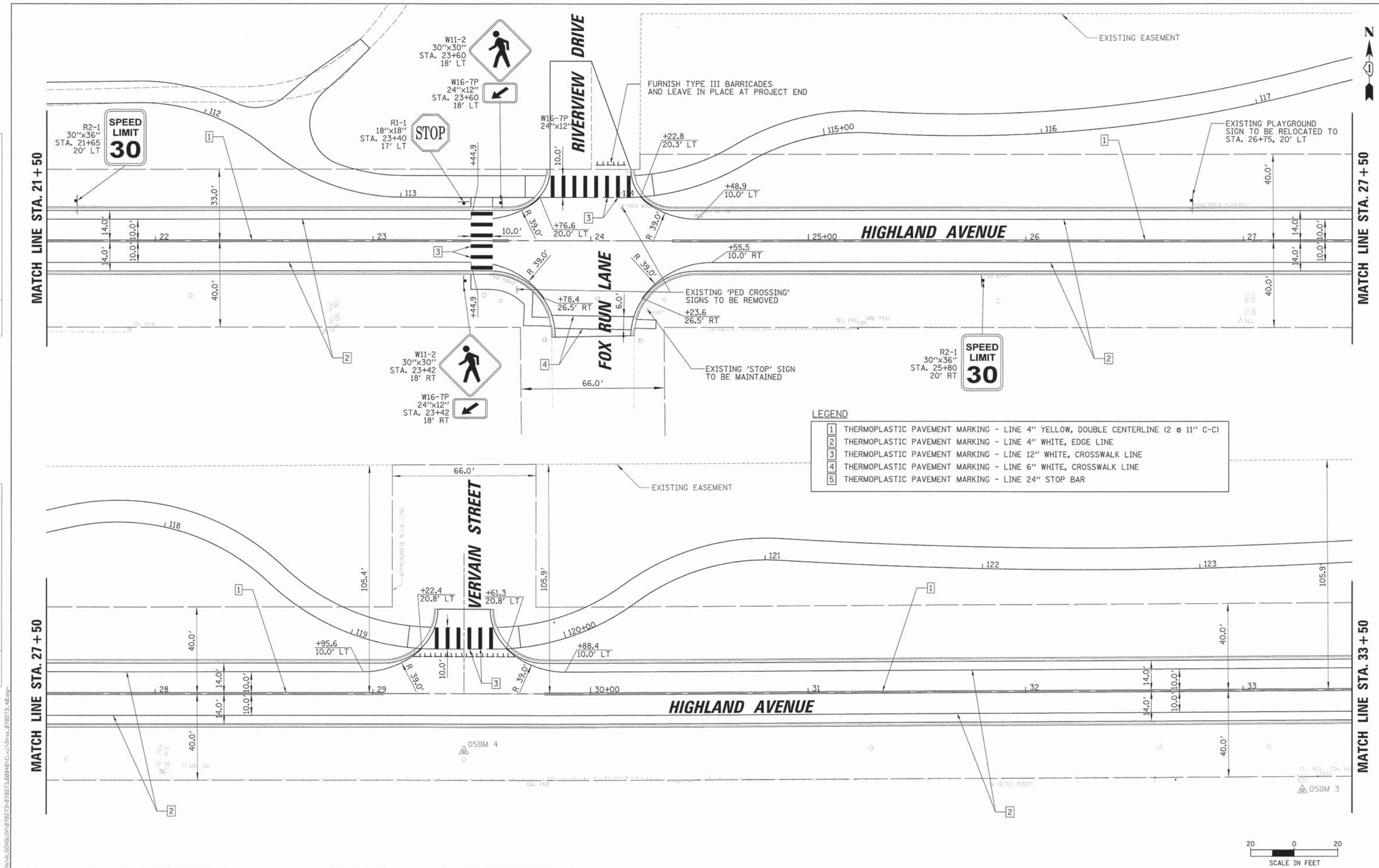
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

HIGHLAND AVENUE PAVEMENT MARKING AND SIGNING PLAN
 SCALE: 1" = 20' SHEET NO. 1 OF 3 SHEETS STA. 10+00 TO STA. 15+50

F.A.U. RTE. 4007	SECTION 14-00088-00-PW	COUNTY MCHENRY	TOTAL SHEETS 83	SHEET NO. 42
CONTRACT NO. 61C24			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	BY	DATE
	NOTED		
	NOTED		
	NOTED		
	NOTED		
	NOTED		
	NOTED		
	NOTED		
	NOTED		
	NOTED		

PROFILE	SURVEYED	BY	DATE
	NOTED		
	NOTED		
	NOTED		
	NOTED		
	NOTED		
	NOTED		
	NOTED		
	NOTED		
	NOTED		



LEGEND

1	THERMOPLASTIC PAVEMENT MARKING - LINE 4" YELLOW, DOUBLE CENTERLINE (2 @ 11" C-C)
2	THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE, EDGE LINE
3	THERMOPLASTIC PAVEMENT MARKING - LINE 12" WHITE, CROSSWALK LINE
4	THERMOPLASTIC PAVEMENT MARKING - LINE 6" WHITE, CROSSWALK LINE
5	THERMOPLASTIC PAVEMENT MARKING - LINE 24" STOP BAR



CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 923-0900

USER NAME = jastriak	DESIGNED - MEK	REVISED -
PLOT SCALE = 20'	CHECKED - VMR	REVISED -
PLOT DATE = 12/8/2015	DRAWN - MTV	REVISED -
	CHECKED - 10/27/2015	REVISED -

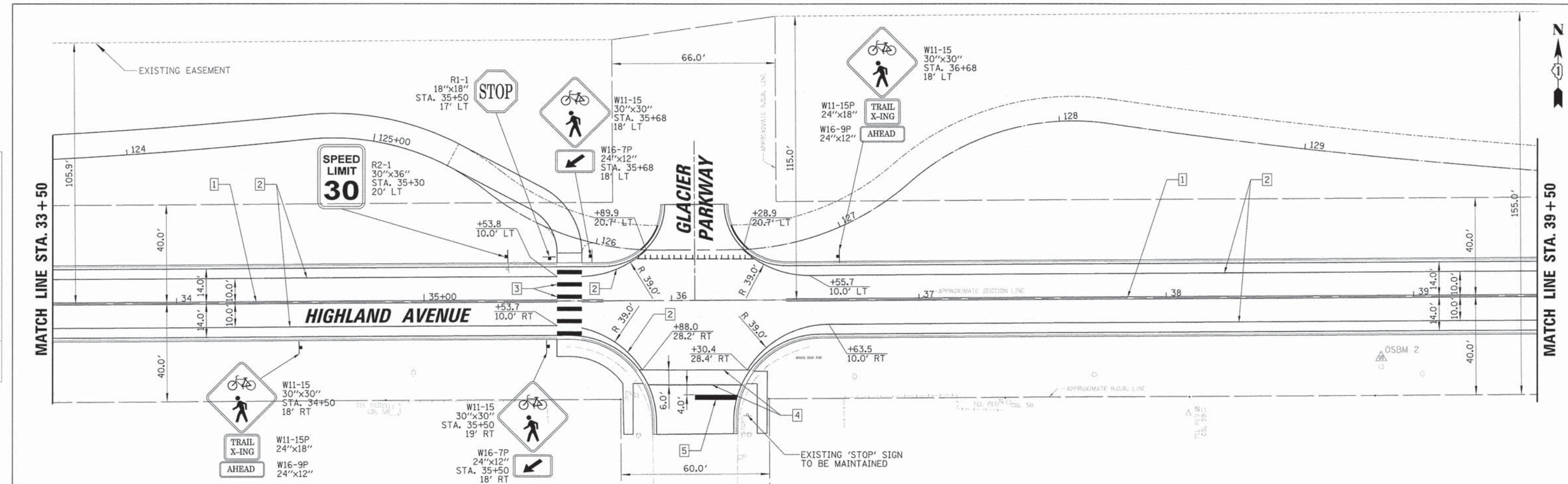
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

HIGHLAND AVENUE PAVEMENT MARKING AND SIGNING PLAN
 SCALE: 1" = 20' SHEET NO. 2 OF 3 SHEETS STA. 21+50 TO STA. 33+50

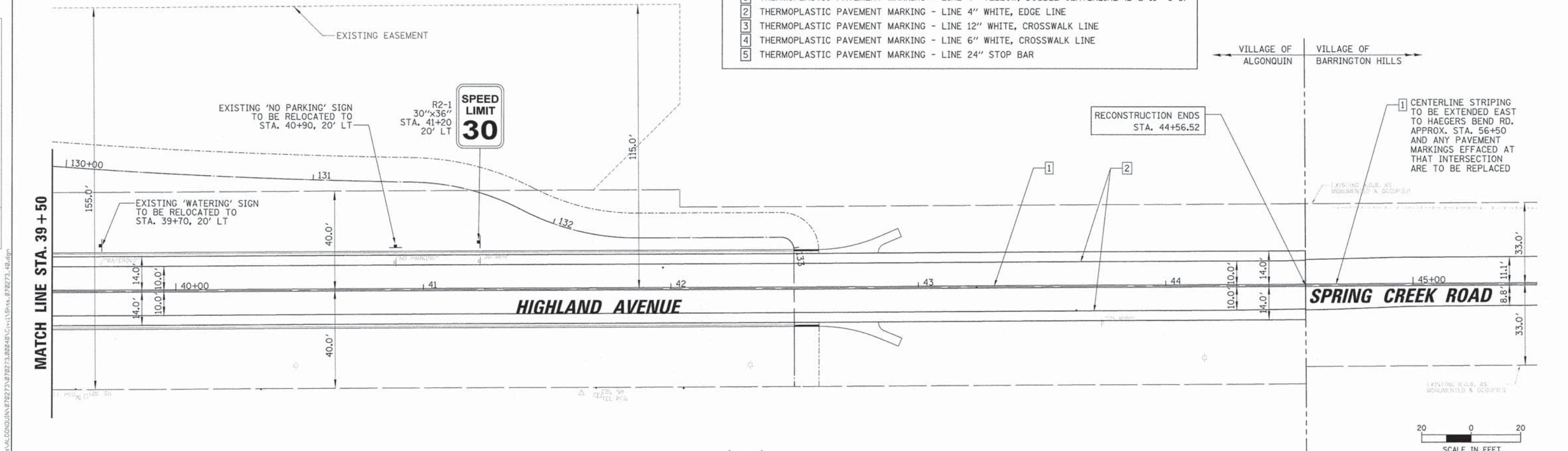
F.A.U. RTE. 4007	SECTION 14-00088-00-PW	COUNTY MCHENRY	TOTAL SHEETS 83	SHEET NO. 43
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61C24	

PLAN	SURVEYED	BY	DATE
	DESIGNED		
	CHECKED		
	NOTED		
	FILE NAME		

PROFILE	SURVEYED	BY	DATE
	DESIGNED		
	CHECKED		
	NOTED		
	FILE NAME		



- LEGEND**
- 1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" YELLOW, DOUBLE CENTERLINE (2 @ 11" C-C)
 - 2 THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE, EDGE LINE
 - 3 THERMOPLASTIC PAVEMENT MARKING - LINE 12" WHITE, CROSSWALK LINE
 - 4 THERMOPLASTIC PAVEMENT MARKING - LINE 6" WHITE, CROSSWALK LINE
 - 5 THERMOPLASTIC PAVEMENT MARKING - LINE 24" STOP BAR



CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 953-9900

USER NAME = jastrick	DESIGNED - MEK	REVISED -
PLOT SCALE = 20'	CHECKED - VMR	REVISED -
PLOT DATE 12/29/2015	DRAWN - MTV	REVISED -
	CHECKED - 10/27/2015	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

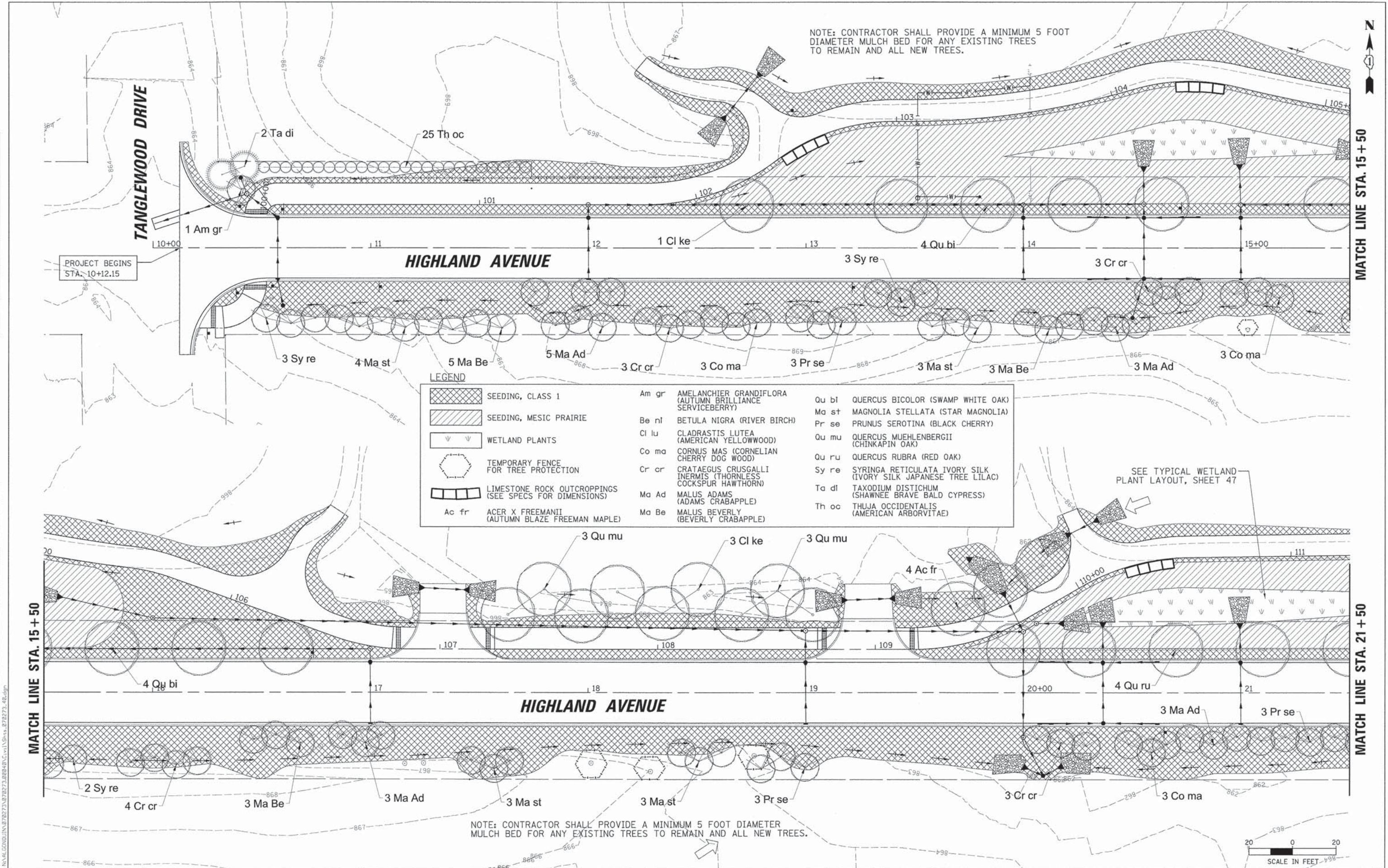
HIGHLAND AVENUE PAVEMENT MARKING AND SIGNING PLAN

SCALE: 1" = 20' SHEET NO. 3 OF 3 SHEETS STA. 33+50 TO STA. 45+50

F.A.U. RTE. 4007	SECTION 14-00088-00-PW	COUNTY MCHENRY	TOTAL SHEETS 83	SHEET NO. 44
CONTRACT NO. 61C24			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	NOTE BOOK		
	NO. OF WAY CHECKED		
	FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	NOTE BOOK		
	NO. OF WAY CHECKED		
	FILE NAME		



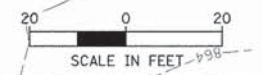
CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

USER NAME = jstrik	DESIGNED - MEK	REVISED -
PLOT SCALE = 20'	CHECKED - VMR	REVISED -
PLOT DATE = 12/29/2015	DRAWN - MTV	REVISED -
	CHECKED - 10/27/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

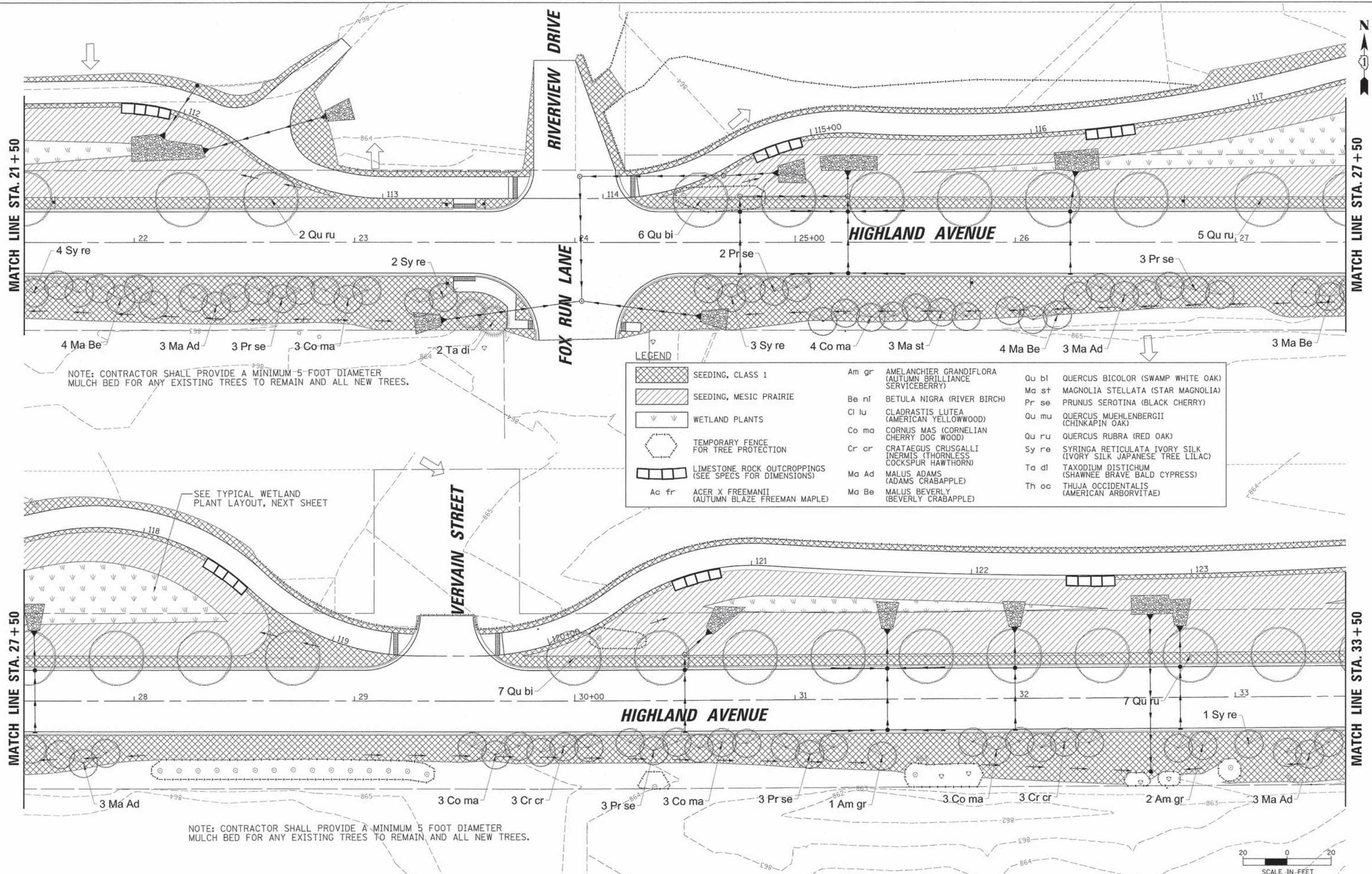
HIGHLAND AVENUE LANDSCAPING PLAN
 SCALE: 1" = 20' SHEET NO. 1 OF 3 SHEETS STA. 10+00 TO STA. 15+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4007	14-00088-00-PW	MCHENRY	83	45
			CONTRACT NO. 61C24	
ILLINOIS FED. AID PROJECT				



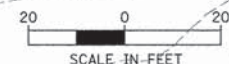
PLAN	SURVEYED	BY	DATE
	PLOTTED		
	NOTED		
	RT. OF WAY CHECKED		
	NO. _____		
	FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	NOTED		
	STRUCTURE NOTATIONS		
	NO. _____		
	FILE NAME		



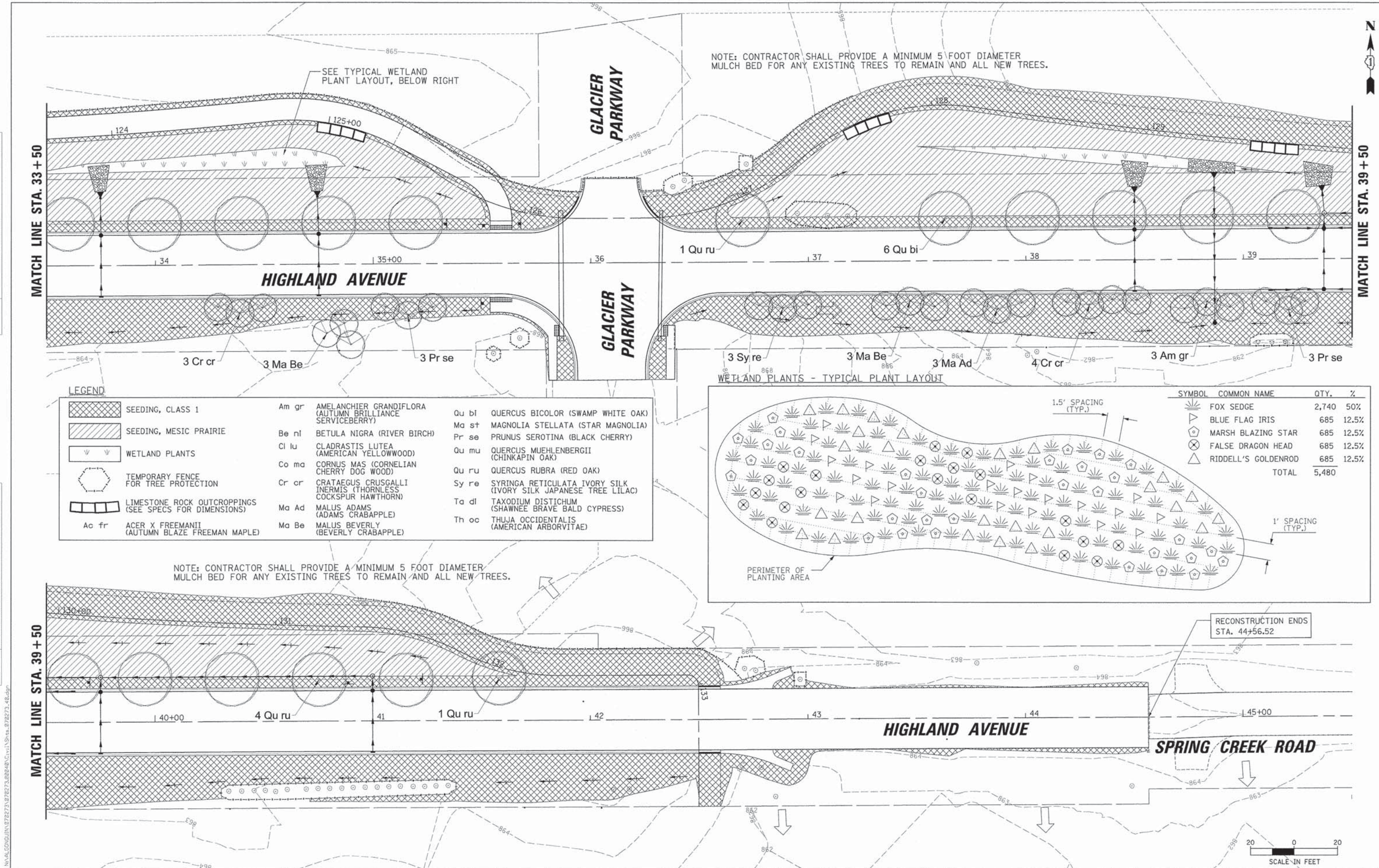
LEGEND

	SEEDING, CLASS 1	Am gr	AMELANCHIER GRANDIFLORA (AUTUMN BRILLIANCE SERVICEBERRY)	Qu bi	QUERCUS BICOLOR (SWAMP WHITE OAK)
	SEEDING, MESIC PRAIRIE	Be nl	BETULA NIGRA (RIVER BIRCH)	Ma st	MAGNOLIA STELLATA (STAR MAGNOLIA)
	WETLAND PLANTS	Cl lu	CLADRASTIS LUTEA (AMERICAN YELLOWWOOD)	Pr se	PRUNUS SEROTINA (BLACK CHERRY)
	TEMPORARY FENCE FOR TREE PROTECTION	Co ma	CORNUS MAS (CORNELIAN CHERRY DOG WOOD)	Qu mu	QUERCUS MUEHLENBERGII (CHINKAPIN OAK)
	LIMESTONE ROCK OUTCROPPINGS (SEE SPECS FOR DIMENSIONS)	Cr cr	CRATAEGUS CRUSGALLI INERMIS (THORNLESS COCKSPUR HAWTHORN)	Qu ru	QUERCUS RUBRA (RED OAK)
	ACER X FREEMANII (AUTUMN BLAZE FREEMAN MAPLE)	Ma Ad	MALUS ADAMS (ADAMS CRABAPPLE)	Sy re	SYRINGA RETICULATA IVORY SILK (IVORY SILK JAPANESE TREE LILAC)
		Ma Be	MALUS BEVERLY (BEVERLY CRABAPPLE)	Ta di	TAXODIUM DISTICHUM (SHAWNEE BRAVE BALD CYPRESS)
		Th oc	THUJA OCCIDENTALIS (AMERICAN ARBORVITAE)		



PLAN
 SURVEYED BY DATE
 PLANNED BY DATE
 CHECKED BY DATE
 NOTE BOOK NO.
 FILE NAME

PROFILE
 SURVEYED BY DATE
 PLANNED BY DATE
 CHECKED BY DATE
 NOTE BOOK NO.
 FILE NAME



NOTE: CONTRACTOR SHALL PROVIDE A MINIMUM 5 FOOT DIAMETER MULCH BED FOR ANY EXISTING TREES TO REMAIN AND ALL NEW TREES.

NOTE: CONTRACTOR SHALL PROVIDE A MINIMUM 5 FOOT DIAMETER MULCH BED FOR ANY EXISTING TREES TO REMAIN AND ALL NEW TREES.

LEGEND

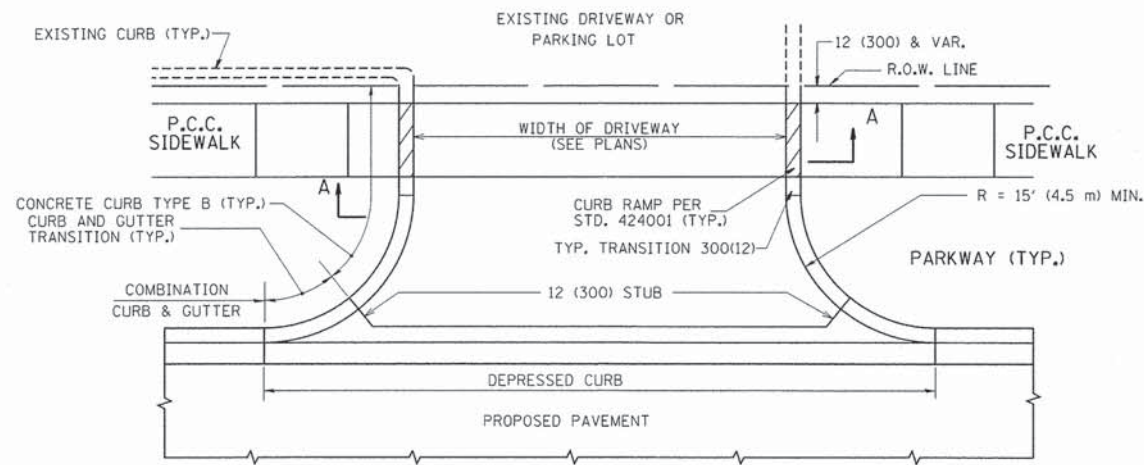
	SEEDING, CLASS 1	Am gr	AMELANCHIER GRANDIFLORA (AUTUMN BRILLIANCE SERVICEBERRY)	Qu bi	QUERCUS BICOLOR (SWAMP WHITE OAK)
	SEEDING, MESIC PRAIRIE	Be ni	BETULA NIGRA (RIVER BIRCH)	Ma st	MAGNOLIA STELLATA (STAR MAGNOLIA)
	WETLAND PLANTS	Cl lu	CLADRASTIS LUTEA (AMERICAN YELLOWWOOD)	Pr se	PRUNUS SEROTINA (BLACK CHERRY)
	TEMPORARY FENCE FOR TREE PROTECTION	Co ma	CORNUS MAS (CORNELIAN CHERRY DOG WOOD)	Qu mu	QUERCUS MUEHLENBERGII (CHINKAPIN OAK)
	LIMESTONE ROCK OUTCROPPINGS (SEE SPECS FOR DIMENSIONS)	Cr cr	CRATAEGUS CRUSGALLI INERMIS (THORNLESS COCKSPUR HAWTHORN)	Qu ru	QUERCUS RUBRA (RED OAK)
	ACER X FREEMANII (AUTUMN BLAZE FREEMAN MAPLE)	Ma Ad	MALUS ADAMS (ADAMS CRABAPPLE)	Sy re	SYRINGA RETICULATA IVORY SILK (IVORY SILK JAPANESE TREE LILAC)
		Ma Be	MALUS BEVERLY (BEVERLY CRABAPPLE)	Ta di	TAXODIUM DISTICHUM (SHAWNEE BRAVE BALD CYPRESS)
				Th oc	THUJA OCCIDENTALIS (AMERICAN ARBORVITAE)

WETLAND PLANTS - TYPICAL PLANT LAYOUT

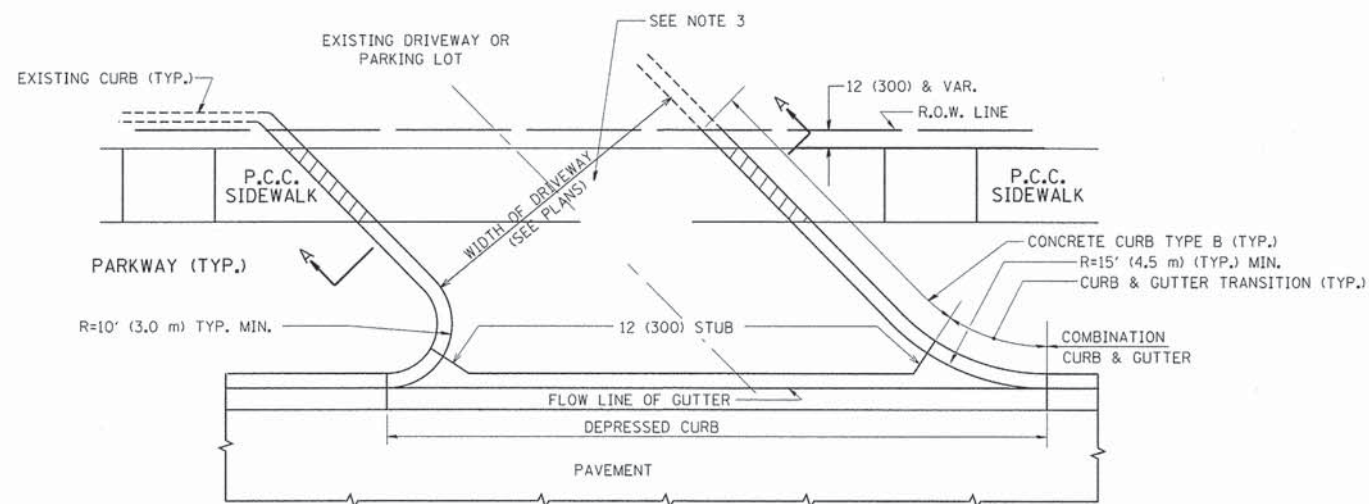
SYMBOL	COMMON NAME	QTY.	%
	FOX SEDGE	2,740	50%
	BLUE FLAG IRIS	685	12.5%
	MARSH BLAZING STAR	685	12.5%
	FALSE DRAGON HEAD	685	12.5%
	RIDDELL'S GOLDENROD	685	12.5%
	TOTAL	5,480	

RECONSTRUCTION ENDS STA. 44+56.52

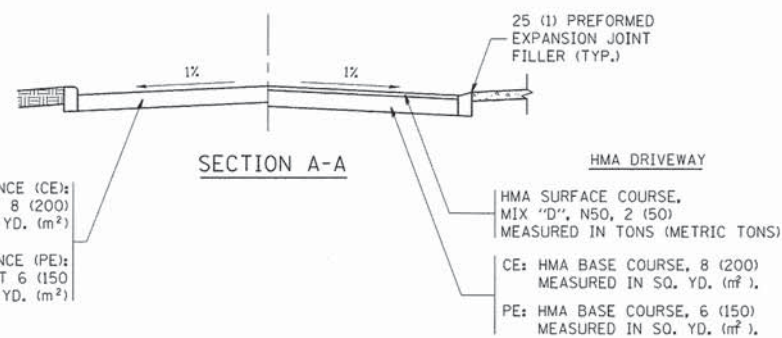




WITH CONCRETE CURB, TYPE B

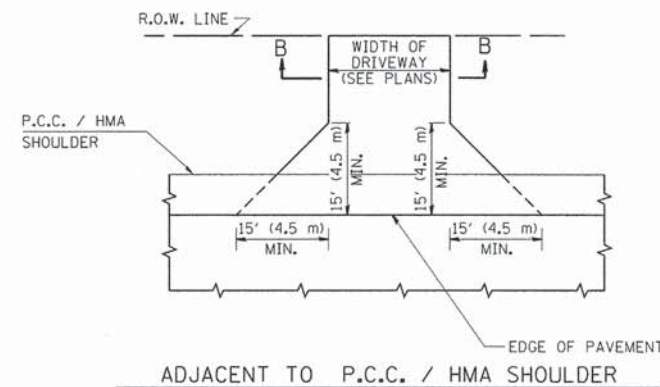


WITH CONCRETE CURB, TYPE B

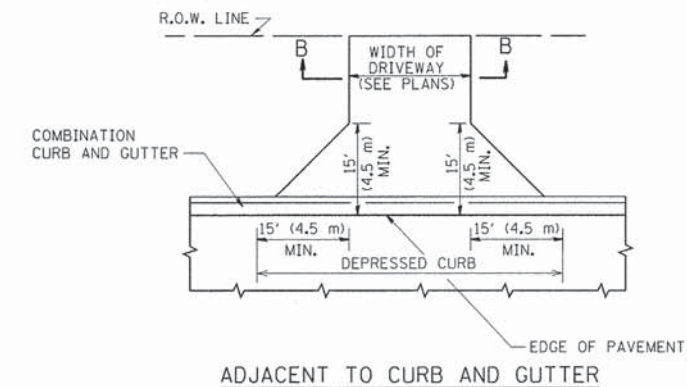


RIGID DRIVEWAY
 COMMERCIAL ENTRANCE (CE):
 P.C.C. DRIVEWAY PAVEMENT 8 (200)
 MEASURED IN SQ. YD. (m²)
 NON-COMMERCIAL ENTRANCE (PE):
 P.C.C. DRIVEWAY PAVEMENT 6 (150)
 MEASURED IN SQ. YD. (m²)

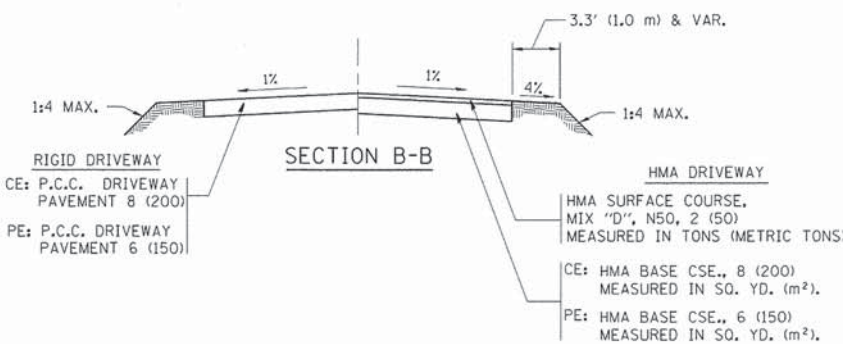
HMA DRIVEWAY
 HMA SURFACE COURSE,
 MIX "D", N50, 2 (50)
 MEASURED IN TONS (METRIC TONS)
 CE: HMA BASE COURSE, 8 (200)
 MEASURED IN SQ. YD. (m²),
 PE: HMA BASE COURSE, 6 (150)
 MEASURED IN SQ. YD. (m²),



ADJACENT TO P.C.C. / HMA SHOULDER



ADJACENT TO CURB AND GUTTER



SECTION B-B

RIGID DRIVEWAY
 CE: P.C.C. DRIVEWAY PAVEMENT 8 (200)
 PE: P.C.C. DRIVEWAY PAVEMENT 6 (150)

HMA DRIVEWAY
 HMA SURFACE COURSE,
 MIX "D", N50, 2 (50)
 MEASURED IN TONS (METRIC TONS)
 CE: HMA BASE CSE., 8 (200)
 MEASURED IN SQ. YD. (m²),
 PE: HMA BASE CSE., 6 (150)
 MEASURED IN SQ. YD. (m²),

RURAL FIELD ENTRANCE (FE)
 HMA SURFACE COURSE,
 MIX "D", N50, 2 (50)
 MEASURED IN TONS (METRIC TONS)
 AGGREGATE BASE CSE., TYPE B, 8 (200)
 MEASURED IN SQ. YD. (m²),

GENERAL NOTES:

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

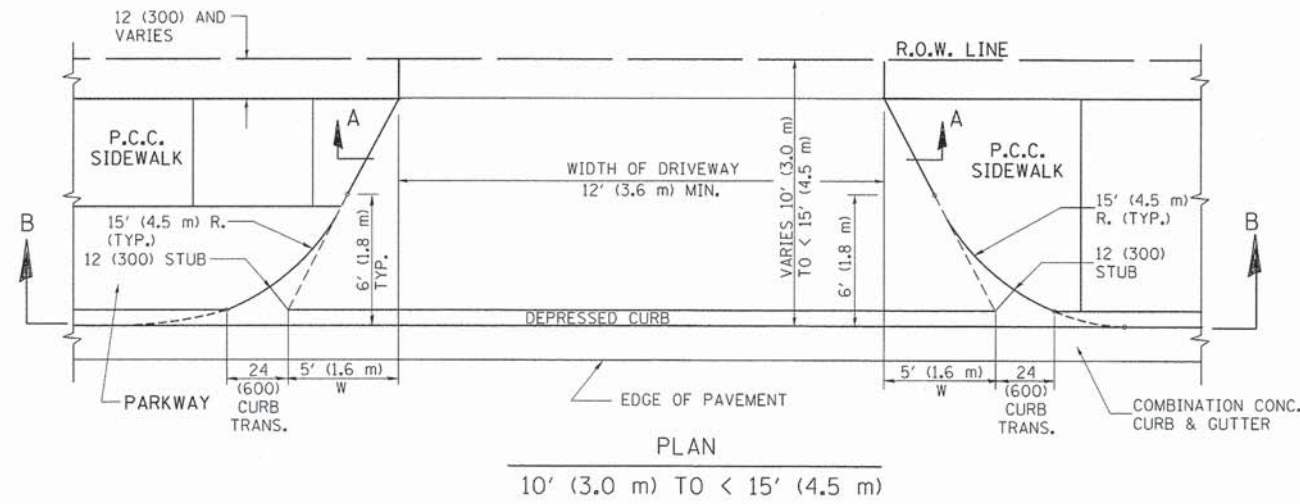
THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

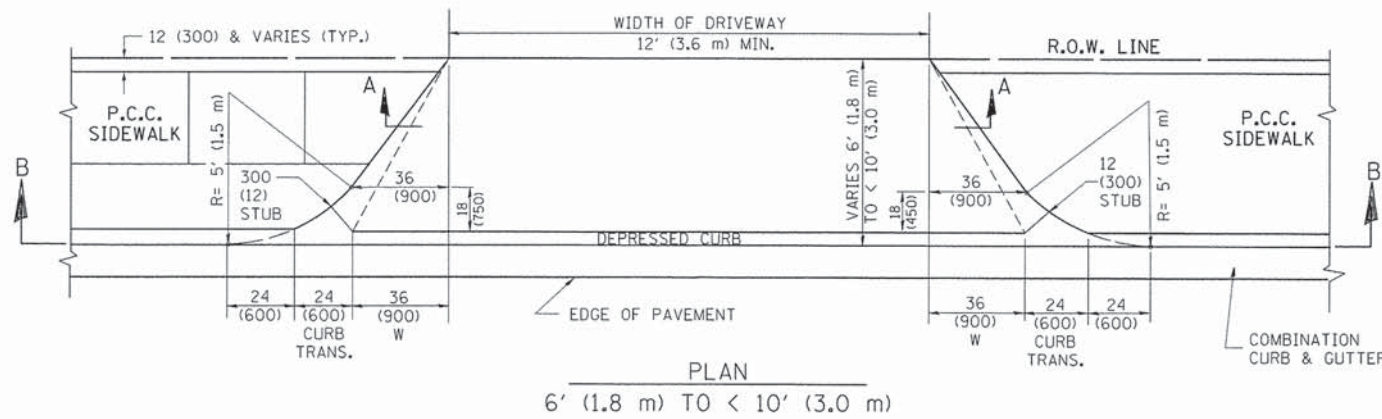
1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

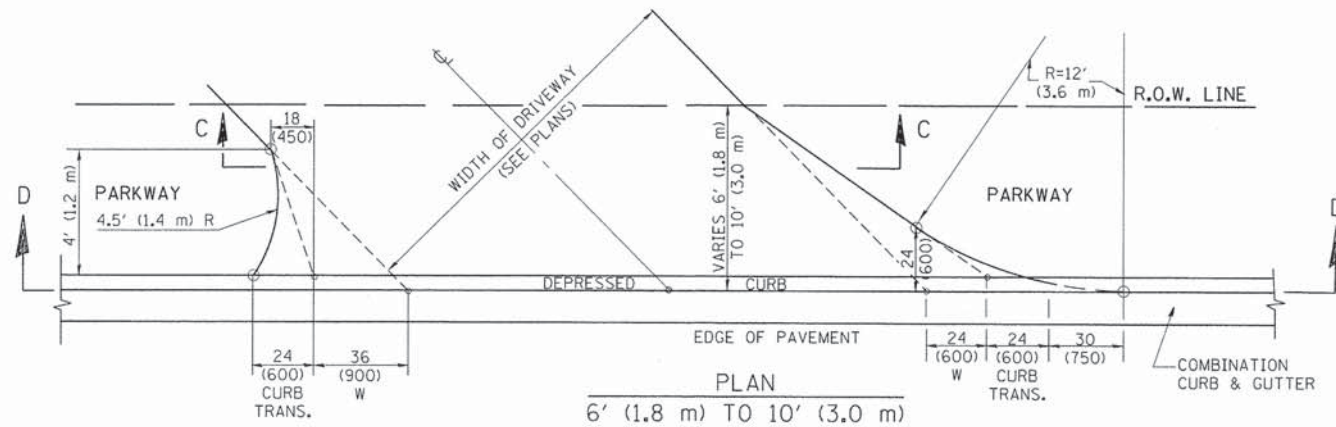
FILE NAME =	USER NAME = loyso	DESIGNED - R. SHAH	REVISED - P. LofLUER 04-15-03	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m)	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
es\pwork\pwork\loyses\0108315\bd01.dgn		DRAWN -	REVISED - R. BORO 01-01-07			4007	14-00088-00-PW	MCHENRY	83	48
PLOT SCALE = 50,0000 ' / in.		CHECKED -	REVISED - R. BORO 06-11-08			BD0156-07 (BD-01)		CONTRACT NO. 61C24		
PLOT DATE = 9/8/2011		DATE - 11-04-95	REVISED - R. BORO 09-06-11			SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	



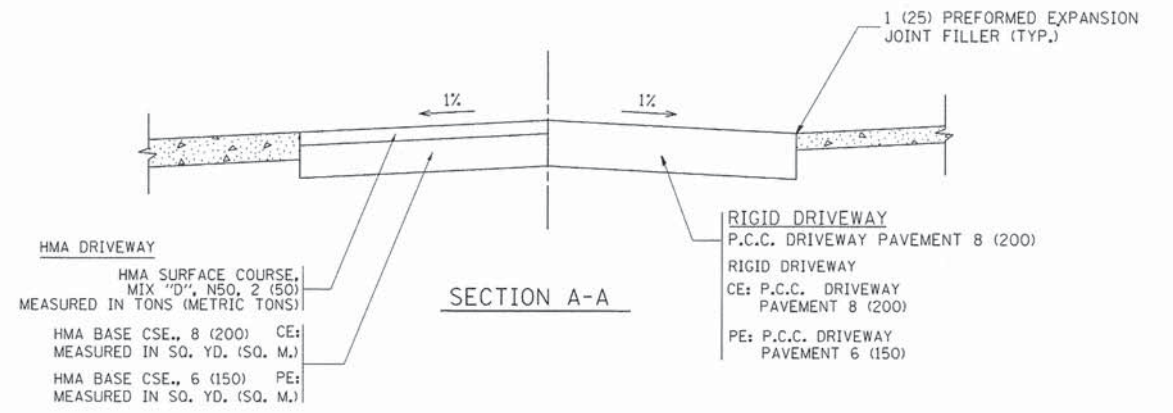
PLAN
10' (3.0 m) TO < 15' (4.5 m)



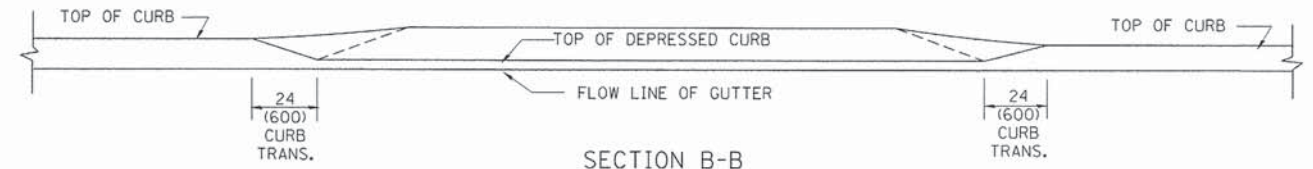
PLAN
6' (1.8 m) TO < 10' (3.0 m)



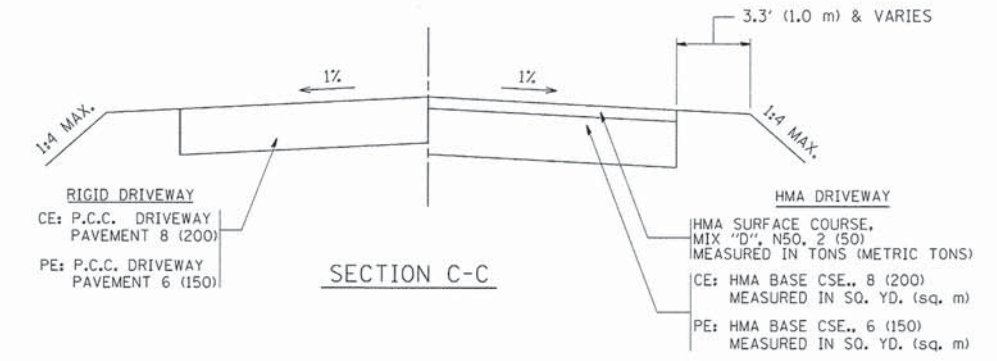
PLAN
6' (1.8 m) TO 10' (3.0 m)



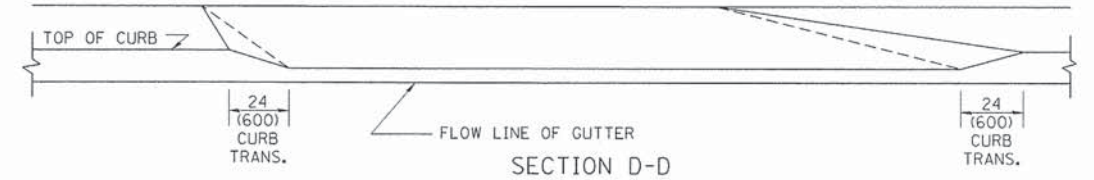
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

GENERAL NOTES

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE P.C.C. SIDEWALK SHALL EXTEND TO THE BACK OF CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

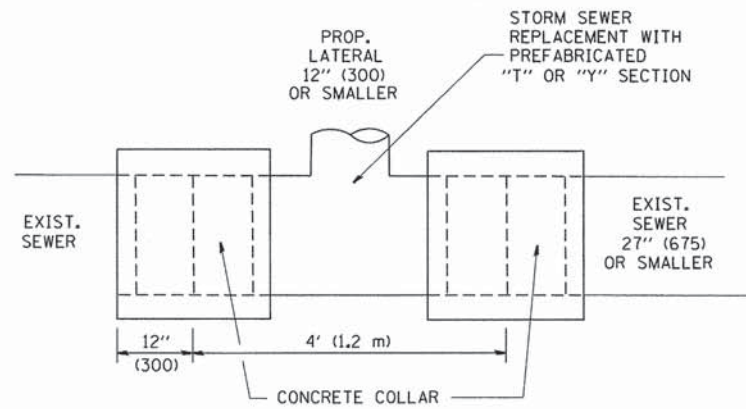
COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

THE 1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

"W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

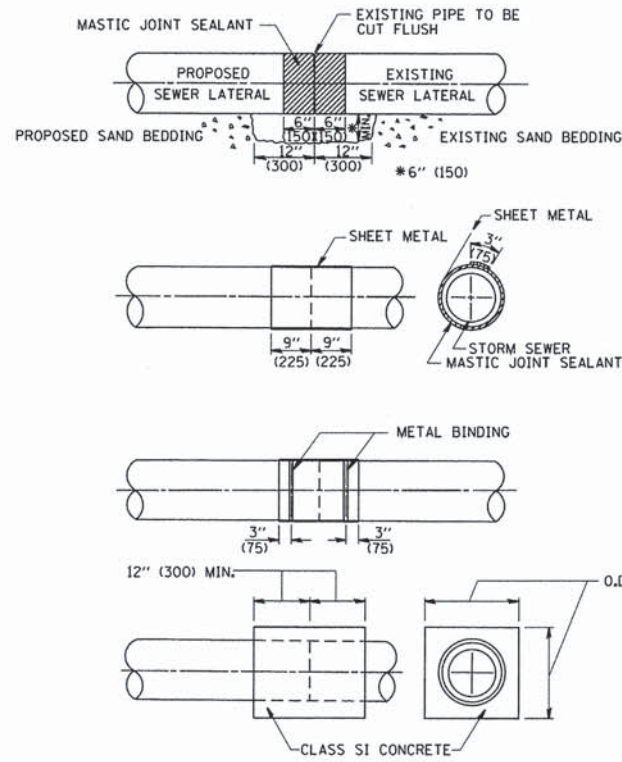
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED.

FILE NAME = c:\pwwork\pwwork\10100315\bd02.dwg	USER NAME = 10100315	DESIGNED - R. SHAH	REVISED - M. GOMEZ 04-06-01	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRIVEWAY DETAILS		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 50.0000 1" = 50'	CHECKED - R. BORO 01-01-07	REVISOR - P. LOFLEUR 04-15-03	REVISOR - R. BORO 01-01-07		DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m)		4007	14-00088-00-PW	MCHENRY	83	49	
PLOT DATE = 10/28/2011	DATE - 11-06-95	REVISOR - R. BORO 09-06-11	REVISOR - R. BORO 09-06-11		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.		BD400-02 (BD-02)		CONTRACT NO. 61C24			
							FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT			



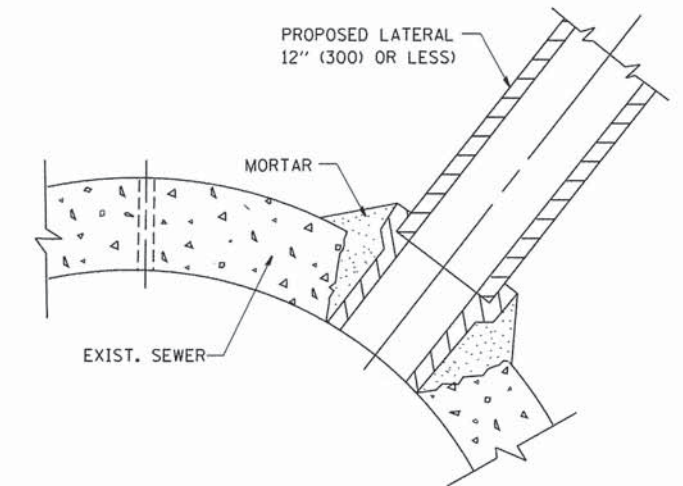
DETAIL "A"

LATERAL CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER



DETAIL "B"

CLASS SI CONCRETE COLLAR



DETAIL "C"

PROPOSED LATERAL CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER

CONSTRUCTION SEQUENCE

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12' x 6' (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERENCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OZZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.

NOTES

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

- THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.
- CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
 - PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
 - PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS. THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.

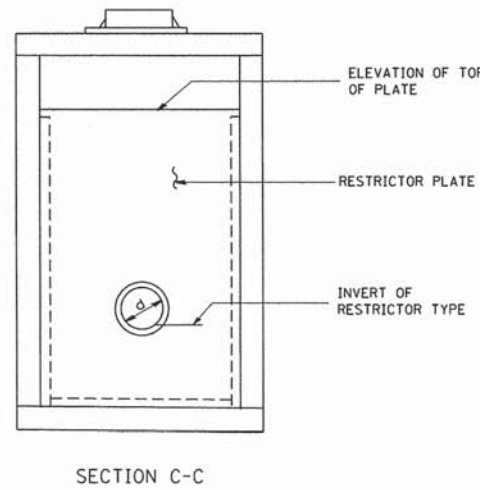
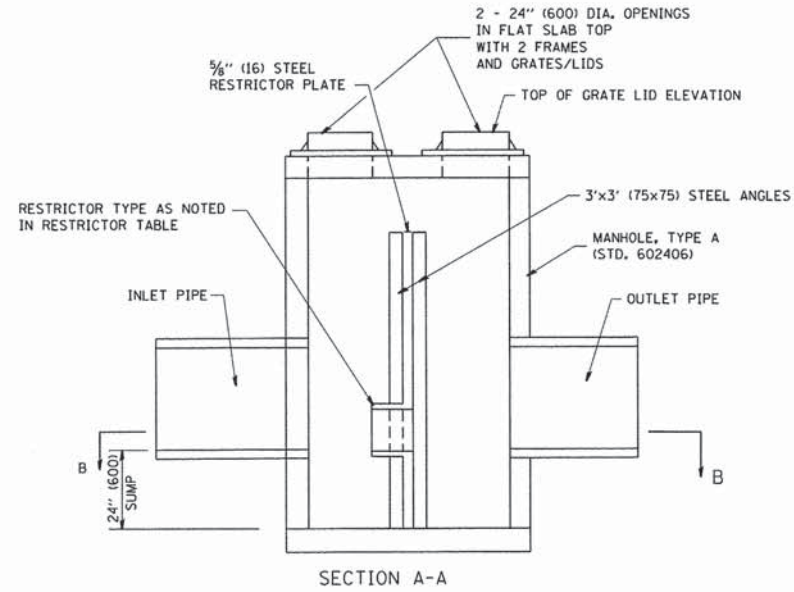
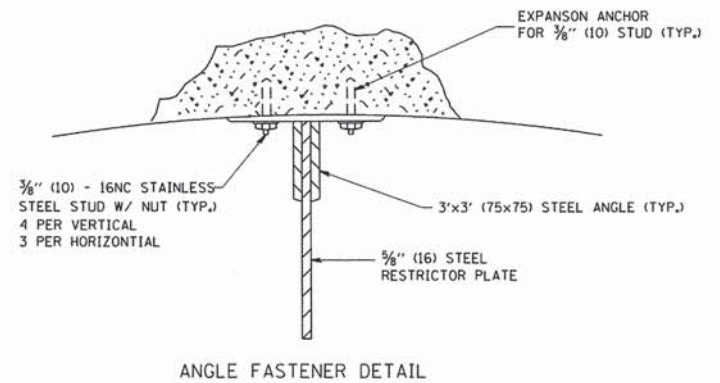
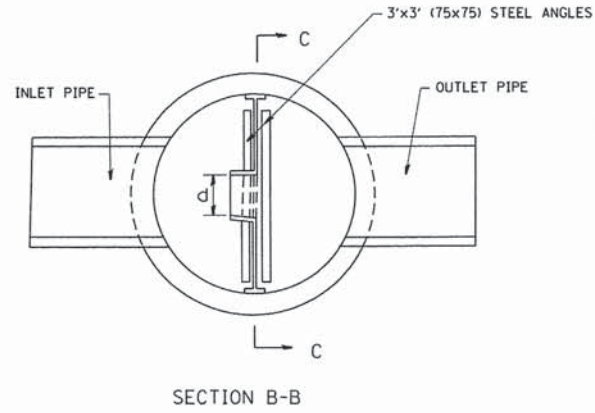
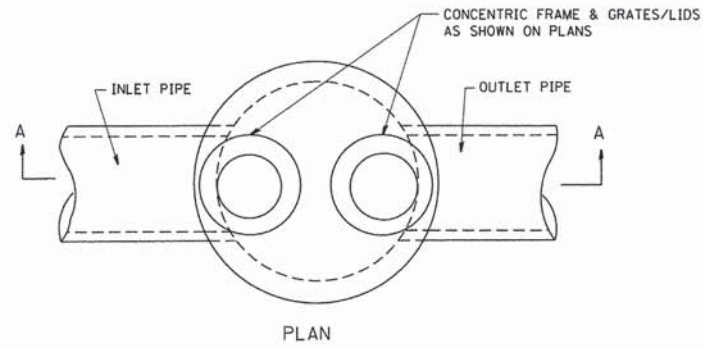
REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

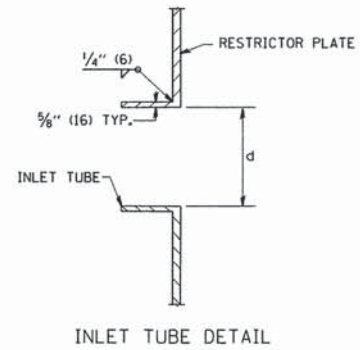
CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

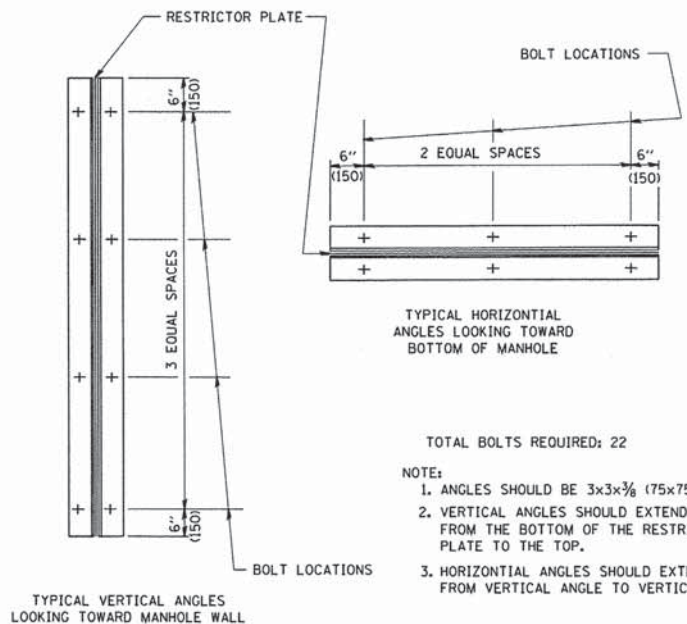
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	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - R. SHAH 09-09-94		4007	14-00088-00-PW	MCHENRY	83	50		
	PLOT DATE = 1/4/2008	DATE - 07-25-90	REVISED - R. SHAH 10-25-94		SCALE: NONE		SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	CONTRACT NO. 61C24	
		REVISED - R. SHAH 06-12-96			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT						



- NOTES:
1. ALL STEEL ANGLES AND PLATES TO BE GALVANIZED AFTER FABRICATION.
 2. ALL RESTRICTOR PLATES, ANGLES AND HARDWARE TO BE INCLUDED IN THE COST OF THE MANHOLE.
 3. BASIS OF PAYMENT: "MANHOLES, TYPE A, 6 FT. (1.8 m)-DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE" EACH



STATION	MANHOLE DIAMETER	FRAME AND GRATE	RESTRICTOR TYPE	INSIDE RESTRICTOR TYPE DIAMETER in. (mm) (d)	INVERT OF RESTRICTOR TYPE	ELEVATION OF TOP OF PLATE OVERFLOW
16+25.00, 28.50'LT	6'	Type 1 Frame, CL	Type 2 or 3	2.5" (63.50)	863.25	866.25
20+06.00, 32.00'LT	6'	Type 1 Frame, CL	Type 2 or 3	4.4" (111.76)	861.25	863.00
24+67.50, 30.50'LT	6'	Type 1 Frame, CL	Type 2 or 3	2.0" (50.80)	862.75	864.75
32+61.40, 21.00'LT	6'	Type 1 Frame, CL	Type 2 or 3	3.8" (96.52)	861.00	863.25
38+86.70, 20.00'LT	6'	Type 1 Frame, CL	Type 2 or 3	3.0" (76.20)	858.40	860.65



RESTRICTOR TYPE					
1	2	3	4	5	6
RE-ENTRANT TUBE	SHARP EDGED	SQUARE EDGED	RE-ENTRANT TUBE	SQUARE EDGED	ROUNDED
LENGTH: 1/2 TO 1 DIA.		STREAM CLEARS SIDES	LENGTH: 2-1/2 DIA.	LENGTH: 2-1/2 DIA.	
C=.52	C=.61	C=.61	C=.73	C=.82	C=.98

VALUES OF "C" FOR CIRCULAR AND SQUARE ORIFICES

- NOTE:
1. ANGLES SHOULD BE 3x3x3/8 (75x75x75)
 2. VERTICAL ANGLES SHOULD EXTEND FROM THE BOTTOM OF THE RESTRICTOR PLATE TO THE TOP.
 3. HORIZONTAL ANGLES SHOULD EXTEND FROM VERTICAL ANGLE TO VERTICAL ANGLE.

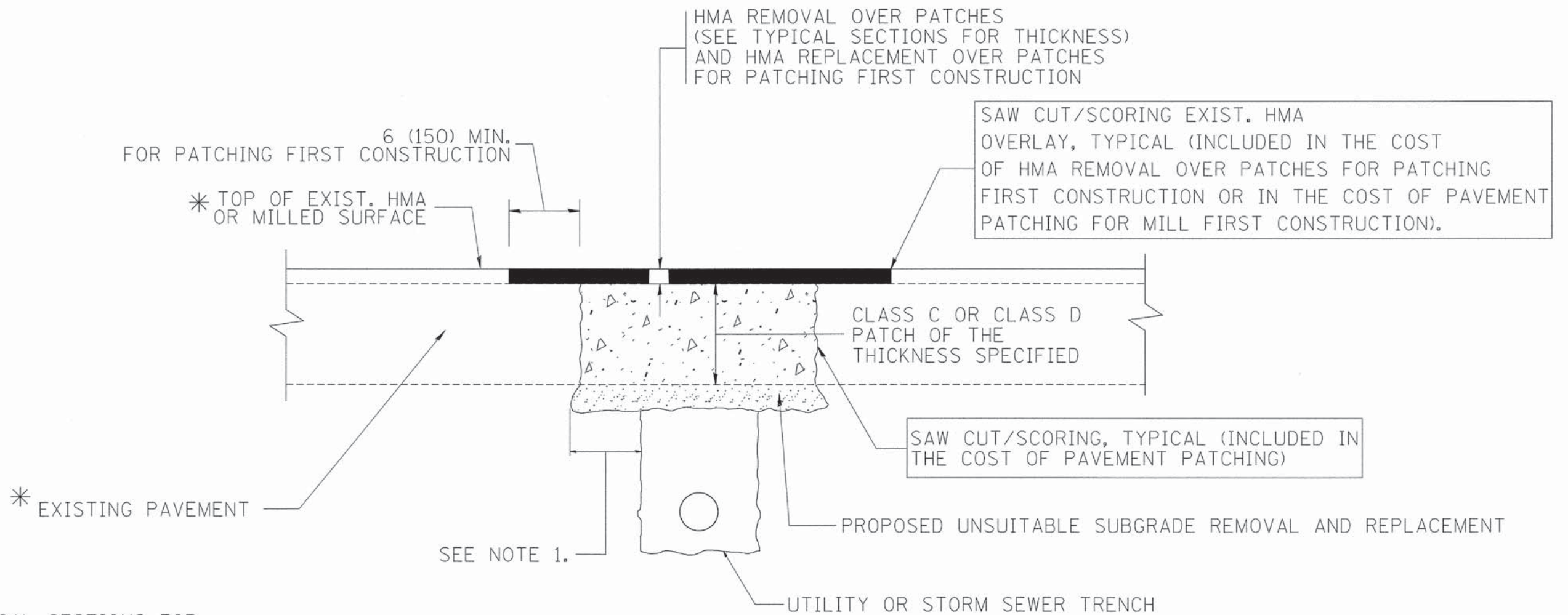
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MANHOLE WITH RESTRICTOR PLATE
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4007	14-00088-00-PW	MCHENRY	83	51
BD600-04 (BD-12)			CONTRACT NO. 61C24	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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		DRAWN -	REVISED - E. GOMEZ 08-28-00
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - M. GOMEZ 01-08-01
	PLOT DATE = 1/4/2000	DATE - 09-09-94	REVISED -

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

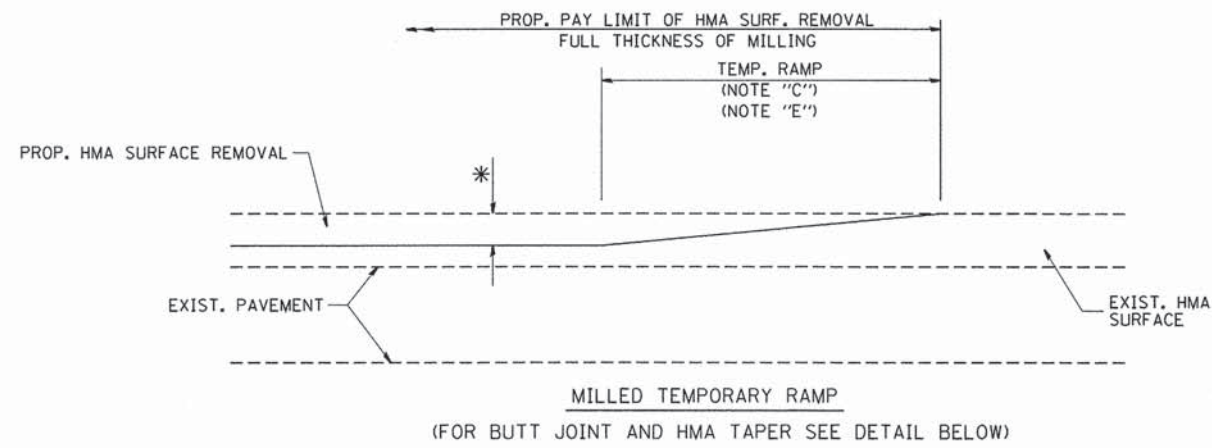
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

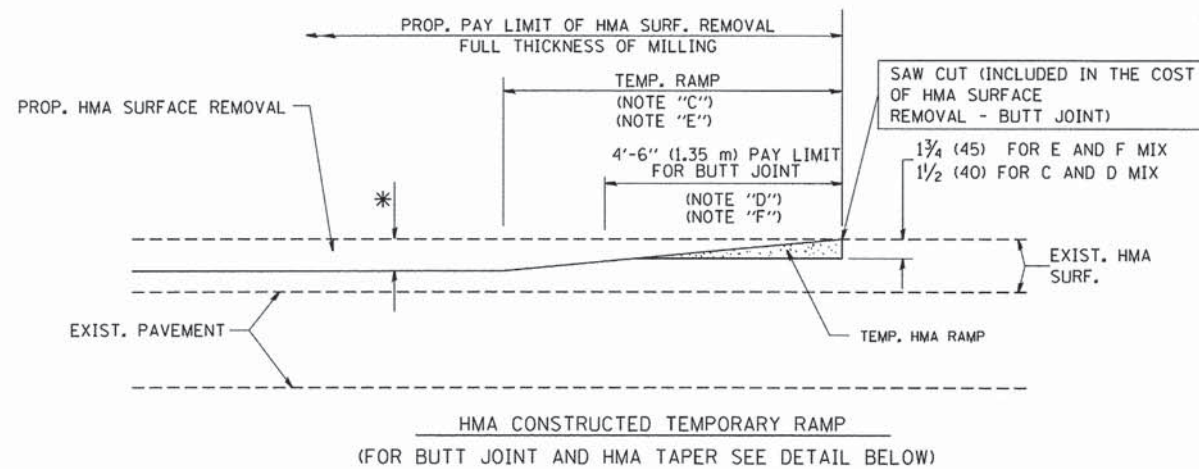
1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

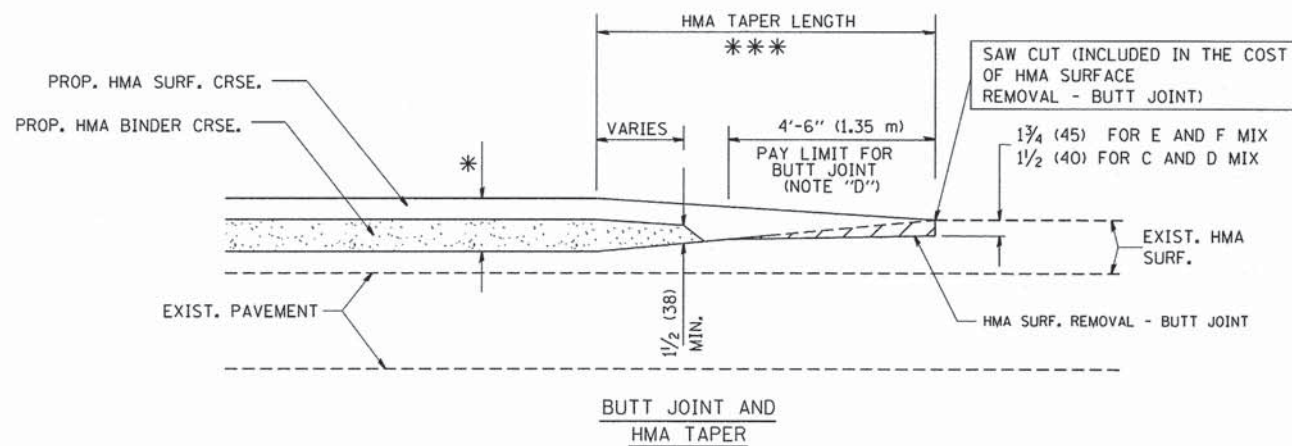
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		DRAWN -	REVISED - R. BORO 01-01-07		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	4007	14-00088-00-PW	MCHENRY	83 52
		PLOT SCALE = 50.000' / IN.	REVISED - R. BORO 09-04-07						BD400-04 (BD-22)		CONTRACT NO. 61C24	
		PLOT DATE = 10/27/2008	REVISED - K. ENG 10-27-08						FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			



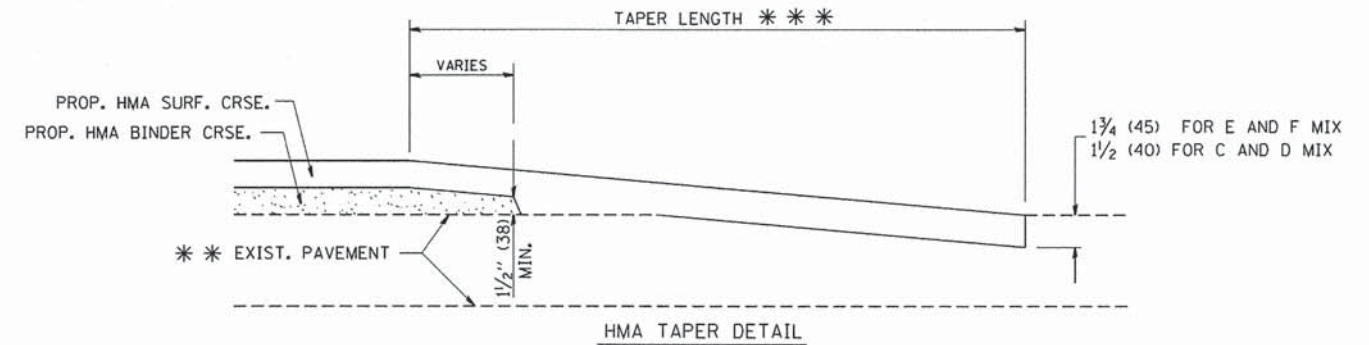
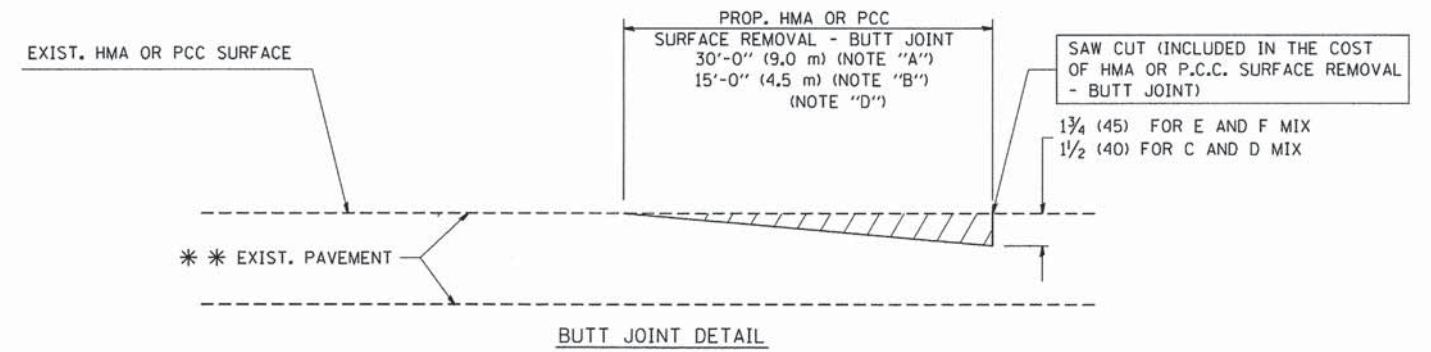
OPTION 1



**OPTION 2
TYPICAL TEMPORARY RAMP**



**TYPICAL BUTT JOINT AND HMA TAPER
FOR MILLING AND RESURFACING**



**TYPICAL BUTT JOINT AND HMA TAPER
FOR RESURFACING ONLY**

*** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
 - B: MINOR SIDE ROADS.
 - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
 - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
 - E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
 - F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
 - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- *** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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PLOT DATE = 1/4/2008

DESIGNED - M. DE YONG
DRAWN -
CHECKED -
DATE - 06-13-90

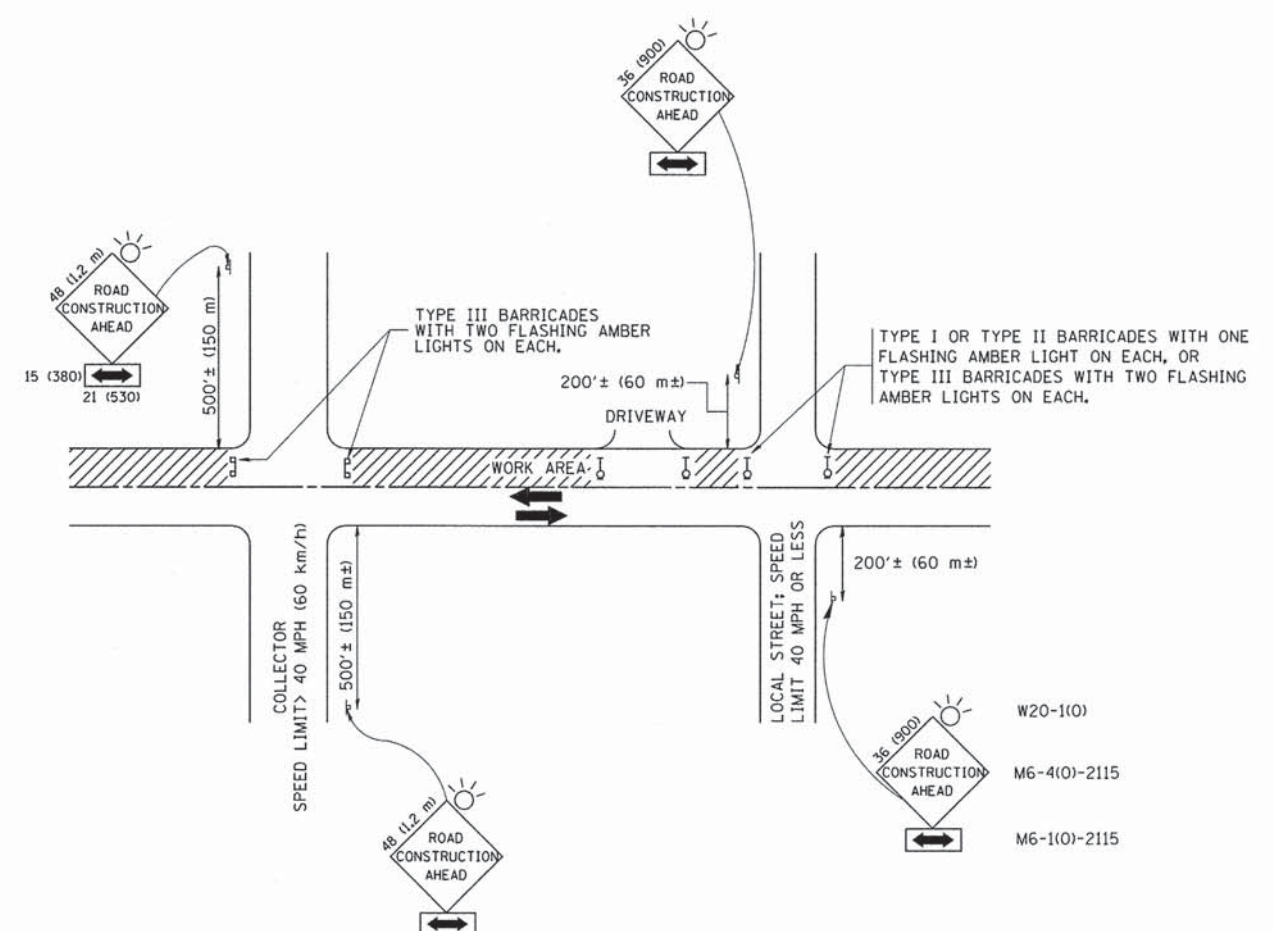
REVISED - R. SHAH 10-25-94
REVISED - A. ABBAS 03-21-97
REVISED - M. GOMEZ 04-06-01
REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND
HMA TAPER DETAILS**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.I.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4007	14-00088-00-PW	MCHENRY	83	53
BD400-05 BD32			CONTRACT NO. 61C24	
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				



TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
 - 1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
 - 2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
 - 3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:
 - USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

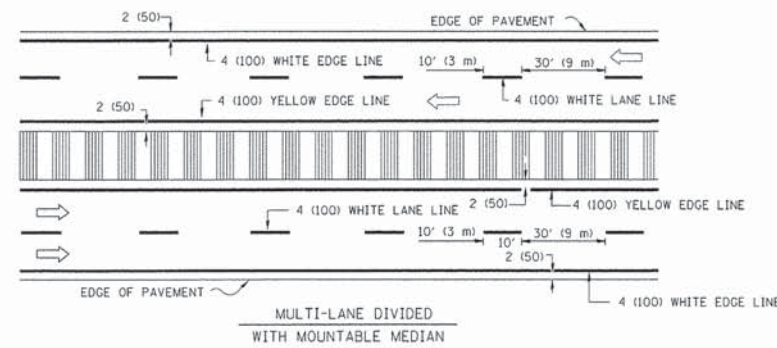
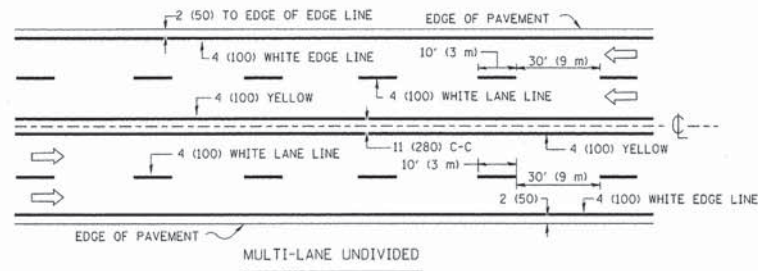
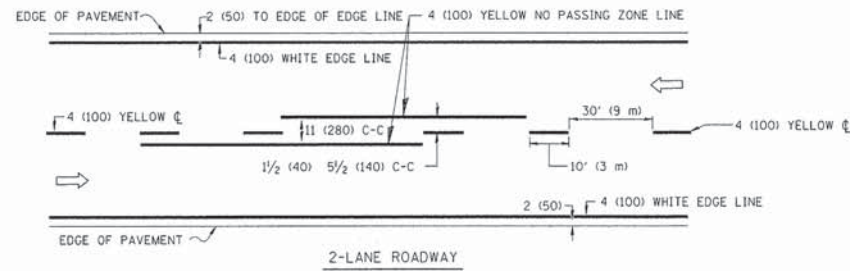
All dimensions are in millimeters (inches) unless otherwise shown.

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		DRAWN -	REVISED - A. HOUSEH 03-06-96
	PLOT SCALE = 50,000 ' / IN.	CHECKED -	REVISED - A. HOUSEH 10-15-96
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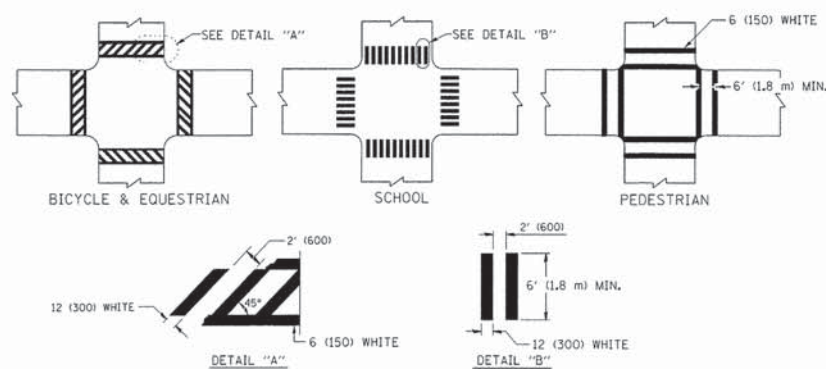
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS STA. TO STA.

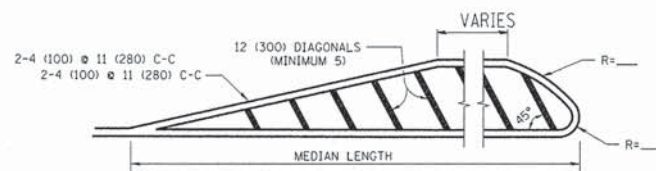
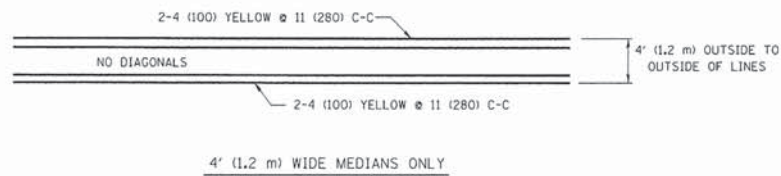
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TC-10			CONTRACT NO. 61C24	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE
TYPICAL LANE AND EDGE LINE MARKING

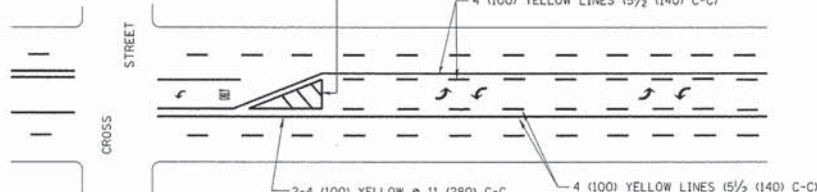


TYPICAL CROSSWALK MARKING

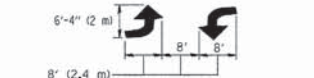


DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

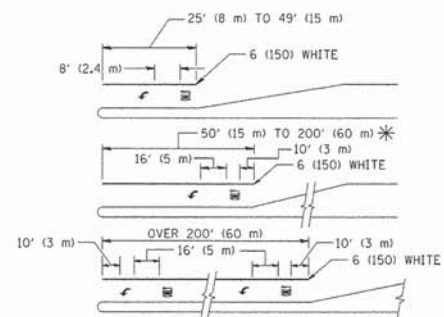
MEDIANS OVER 4' (1.2 m) WIDE



A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



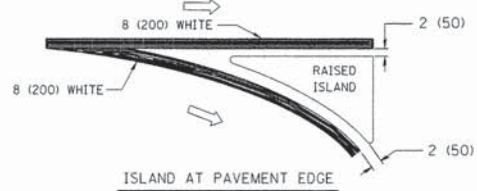
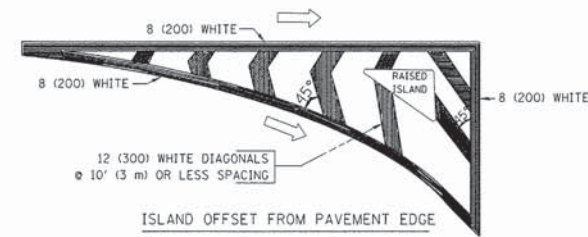
TYPICAL PAINTED MEDIAN MARKING



FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" 15 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C 30 MPH (50 km/h) TO 45MPH (70 km/h) 150' (45 m) C-C (OVER 45MPH (70 km/h))

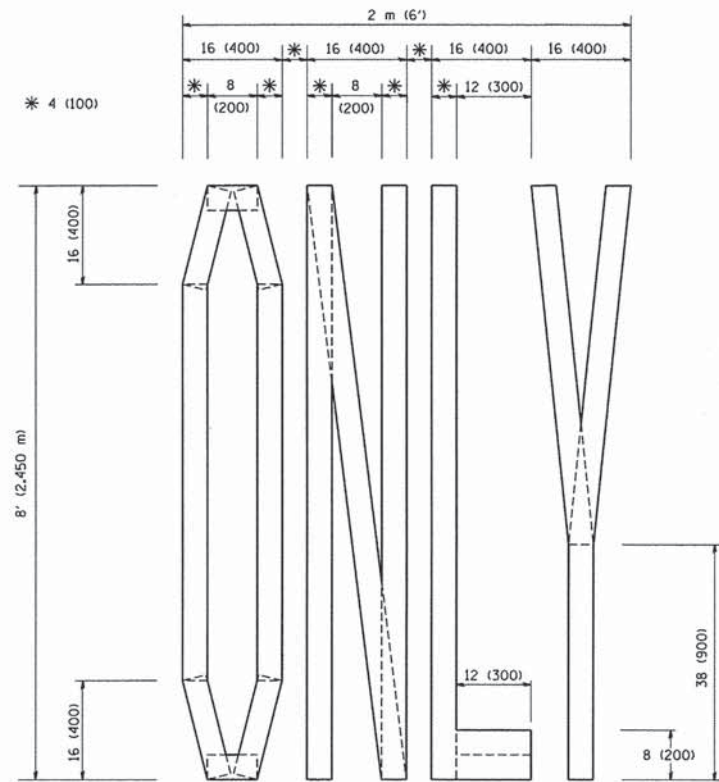
FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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

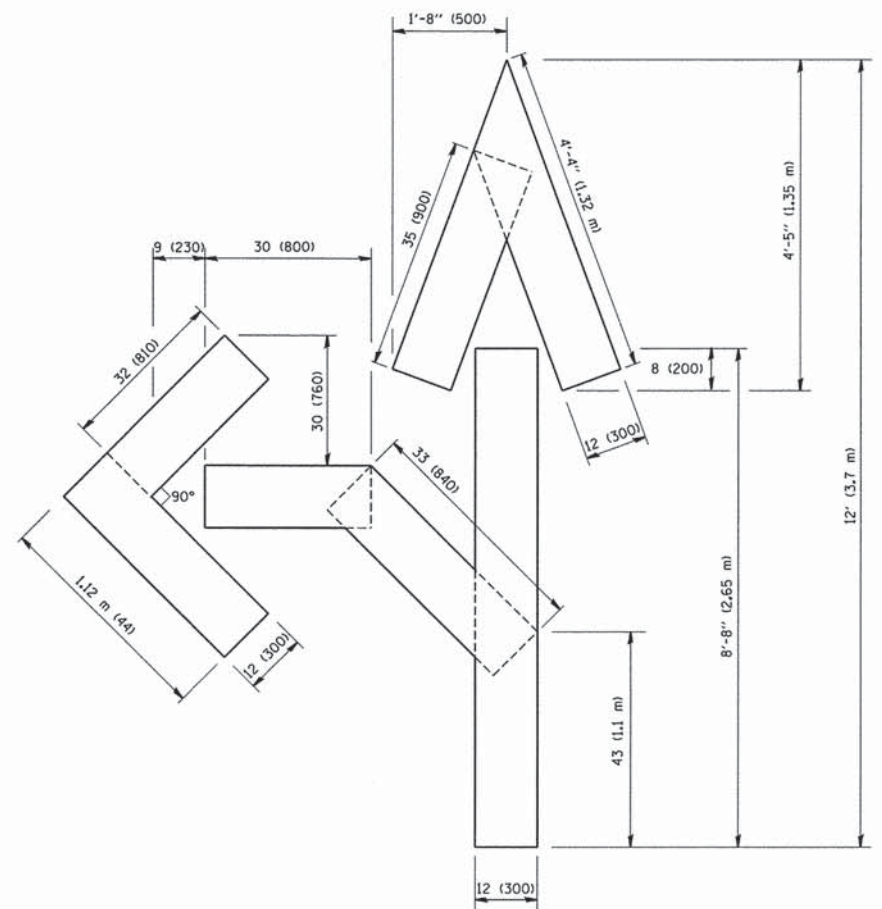
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PLOT SCALE = 50.000 1/1 IN.		CHECKED -	REVISED -
PLOT DATE = 9/9/2009		DATE - 03-19-90	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

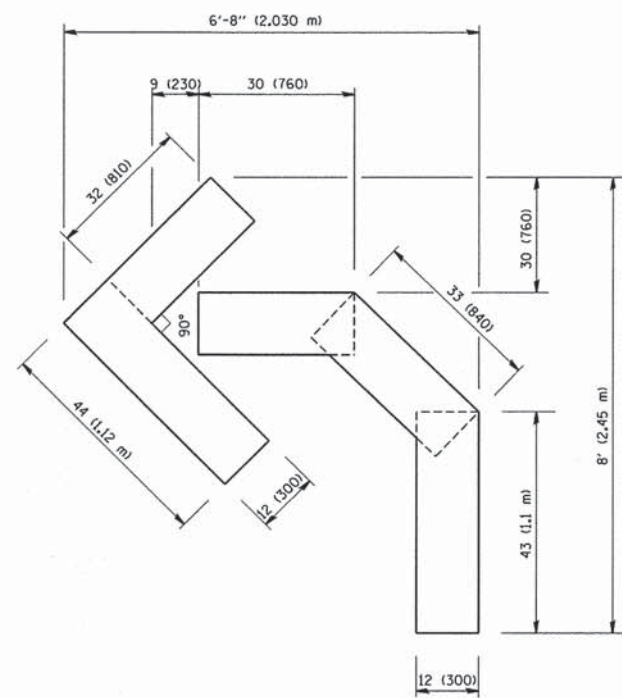
DISTRICT ONE		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TYPICAL PAVEMENT MARKINGS		4007	14-00088-00-PW	MCHENRY	83	55
SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA.	TO STA.	
		FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT		CONTRACT NO. 61C24		



QUANTITY
 4 (100) LINE = 64.1 ft. (19.7 m)
 21.1 sq. ft. (1.97 sq. m)



QUANTITY
 4 (100) LINE = 82.5 ft. (25.3 m)
 27.5 sq. ft. (2.53 sq. m)



QUANTITY
 4 (100) LINE = 45.5 ft. (13.9 m)
 15.2 sq. ft. (1.39 sq. m)

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

FILE NAME = W:\diststd\22x34\to16.dgn	USER NAME = gaglianob	DESIGNED - DRAWN -	REVISED -T. RAMMACHER 06-05-96 REVISED -T. RAMMACHER 11-04-97
PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -T. RAMMACHER 03-02-98	
PLOT DATE = 1/4/2000	DATE = 09-18-94	REVISED -E. GOMEZ 08-28-00	

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING LETTERS AND SYMBOLS
 FOR TRAFFIC STAGING

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE. 4007	SECTION 14-00088-00-PW	COUNTY MCHENRY	TOTAL SHEETS 83	SHEET NO. 56
TC-16			CONTRACT NO. 61C24	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

ROUTE MARKERS

FOR U.S. ROUTES MI-40-2424

FOR ILLINOIS ROUTES MI-50-2424

R.R. UNMARKED ROUTES SPECIAL 24" x 18" VARIABLE 4" BLACK LETTERS ON WHITE REFLECTIVE BACKGROUND

ARROWS SIGNS

M5-1L-2115

M5-1R-2115

M6-1-2115

M6-1-2115

M6-3-2115

M6-3-2115

CARDINAL DIRECTION & DETOUR SIGNS

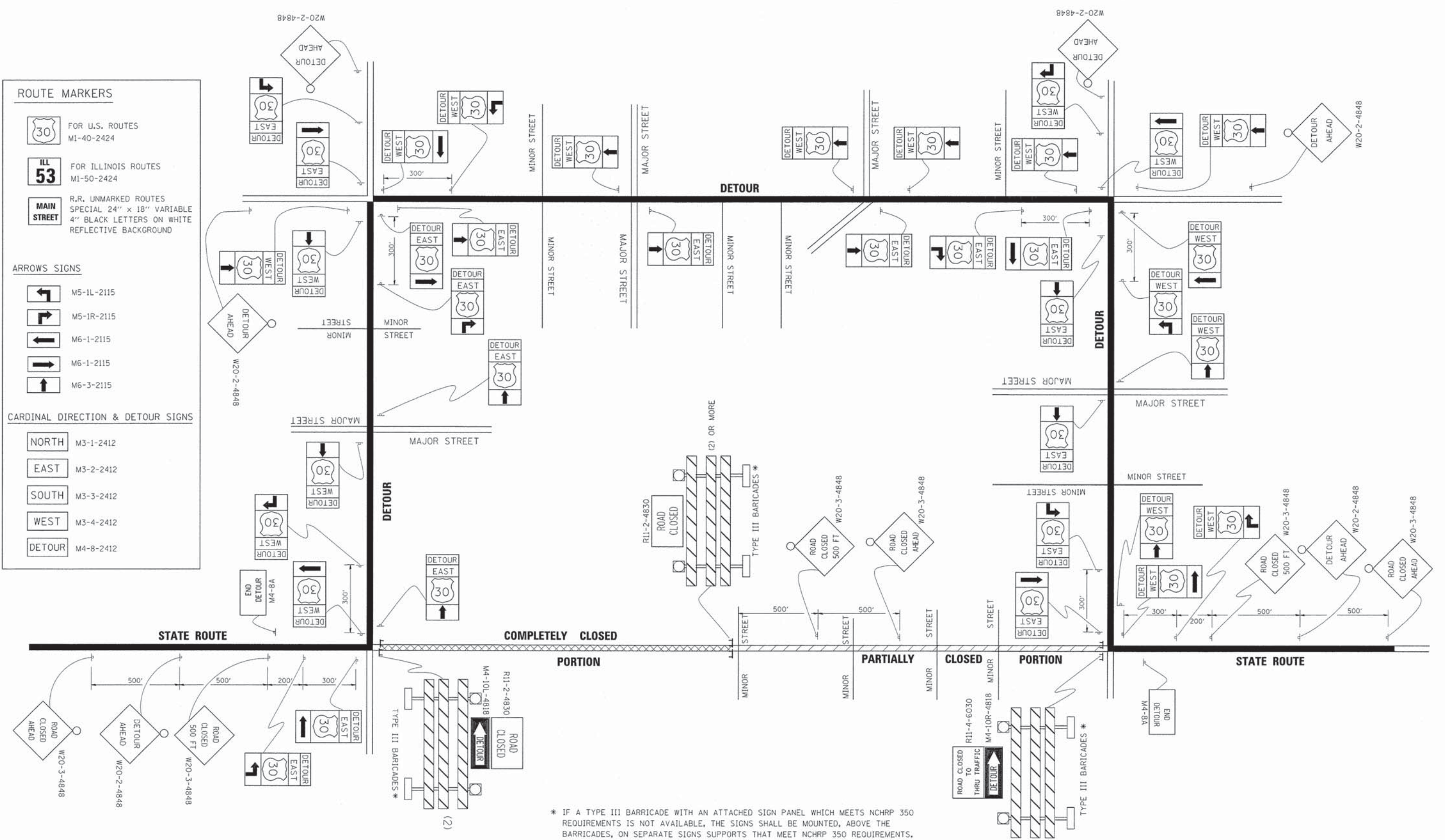
NORTH M3-1-2412

EAST M3-2-2412

SOUTH M3-3-2412

WEST M3-4-2412

DETOUR M4-8-2412



* IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 REQUIREMENTS.

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ca:\pwork\pwidot\DRIVAK05GN\d0108315\21.dgn		DRAWN -	REVISED - R. BORO 09-14-09
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		PLOT DATE = 9/14/2009	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETOUR SIGNING
FOR CLOSING STATE HIGHWAYS**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4007	14-00088-00-PW	MCHENRY	83	57
TC-21			CONTRACT NO. 61C24	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
ALIGNED	
CHECKED	
RT. OF WAY	
CHECKED	
NO. OF	
FILE	
NO.	

CURB EXPANSION JOINT
Village of Algonquin Specifications & Details Guide
Drawn By: CBBEL Revision Date 8/13/2015
Approved By: Shawn M. Hurtig Effective Date 05/01/2015

FIRE HYDRANT
Village of Algonquin Specifications & Details Guide
Drawn By: CBBEL Revision Date 8/13/2015
Approved By: Shawn M. Hurtig Effective Date 05/01/2015

INLET FILTER PROTECTION
Village of Algonquin Specifications & Details Guide
Drawn By: CBBEL Revision Date 8/13/2015
Approved By: Shawn M. Hurtig Effective Date 05/01/2015

MULTI USE PATH ROADWAY CROSSING
Village of Algonquin Specifications & Details Guide
Drawn By: CBBEL Revision Date 8/13/2015
Approved By: Shawn M. Hurtig Effective Date 05/01/2015

DATE	
BY	
SURVEYED	
GRADES	
CHECKED	
NOTES	
STATISTICS	
CHKD	
NO.	

DRAIN TILE
Village of Algonquin Specifications & Details Guide
Drawn By: CBBEL Revision Date 8/13/2015
Approved By: Shawn M. Hurtig Effective Date 05/01/2015

FLARED END SECTION
Village of Algonquin Specifications & Details Guide
Drawn By: CBBEL Revision Date 8/13/2015
Approved By: Shawn M. Hurtig Effective Date 05/01/2015

INLET TYPE A
Village of Algonquin Specifications & Details Guide
Drawn By: CBBEL Revision Date 8/13/2015
Approved By: Shawn M. Hurtig Effective Date 05/01/2015

PARKING LOT PAVEMENTS
Village of Algonquin Specifications & Details Guide
Drawn By: CBBEL Revision Date 8/13/2015
Approved By: Shawn M. Hurtig Effective Date 05/01/2015

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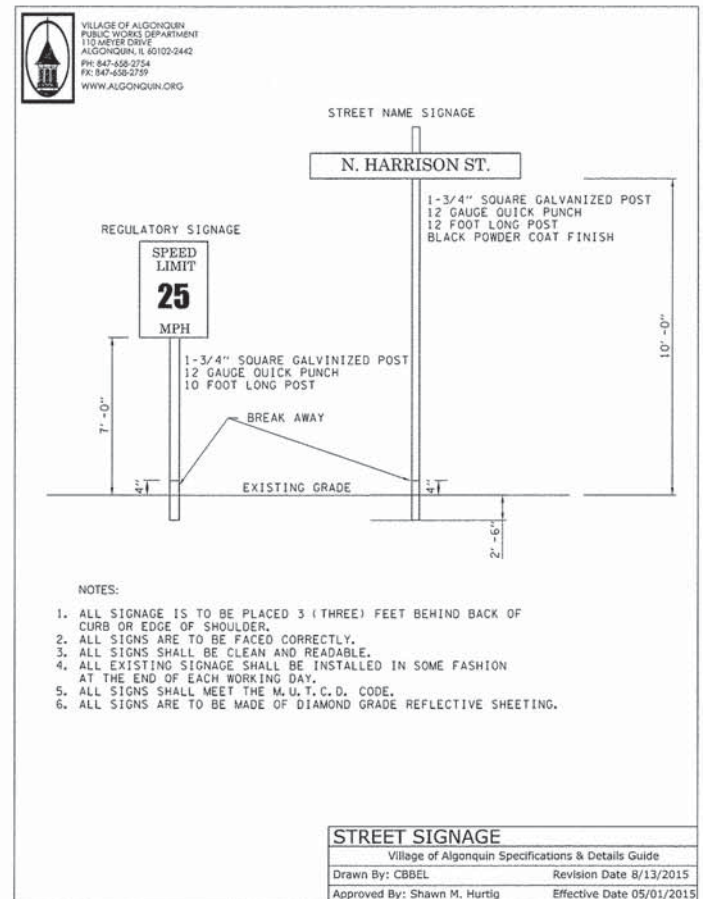
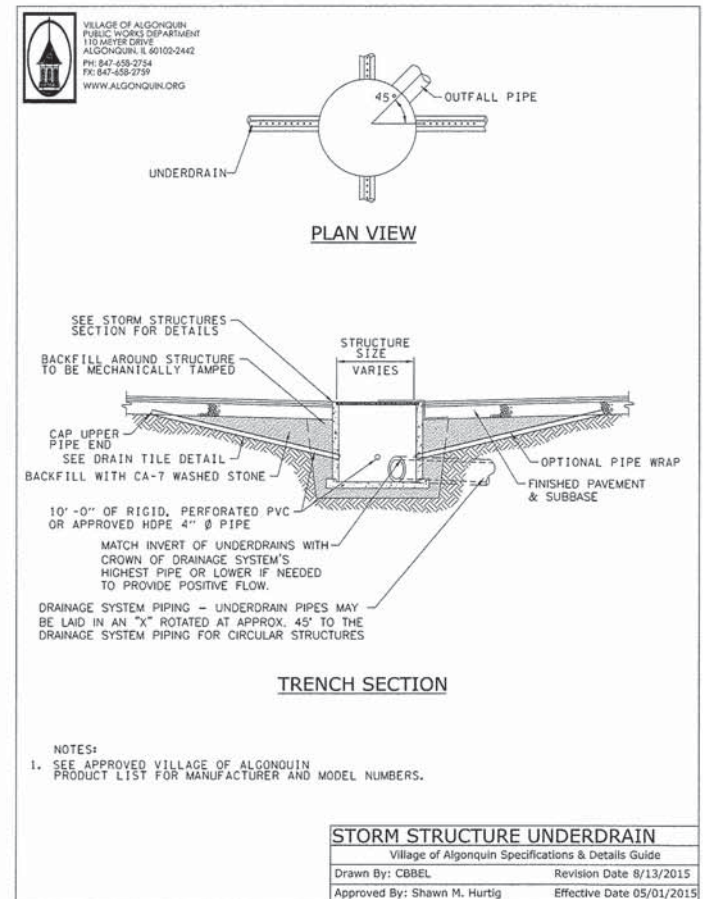
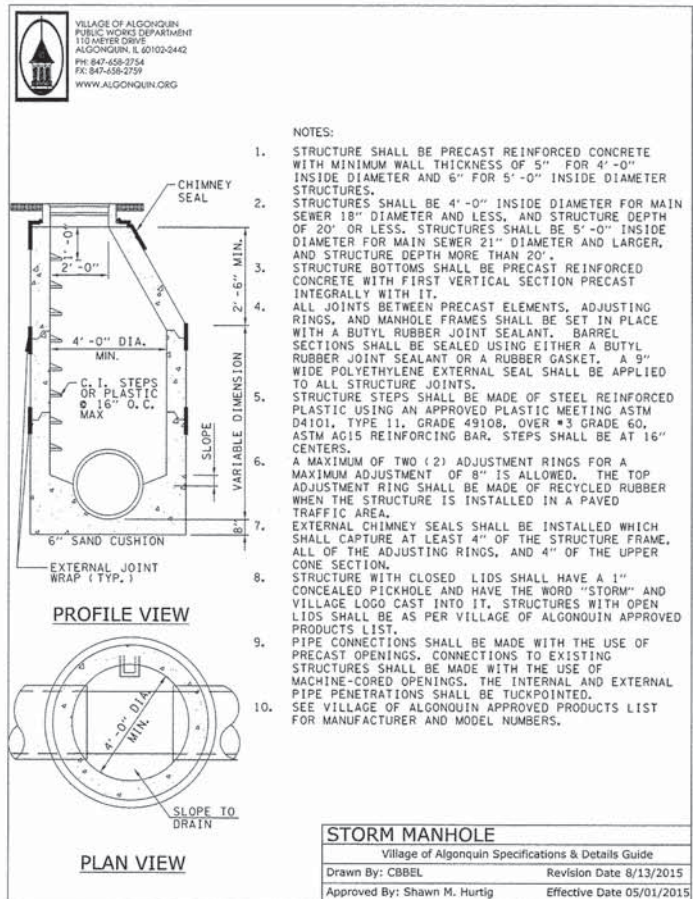
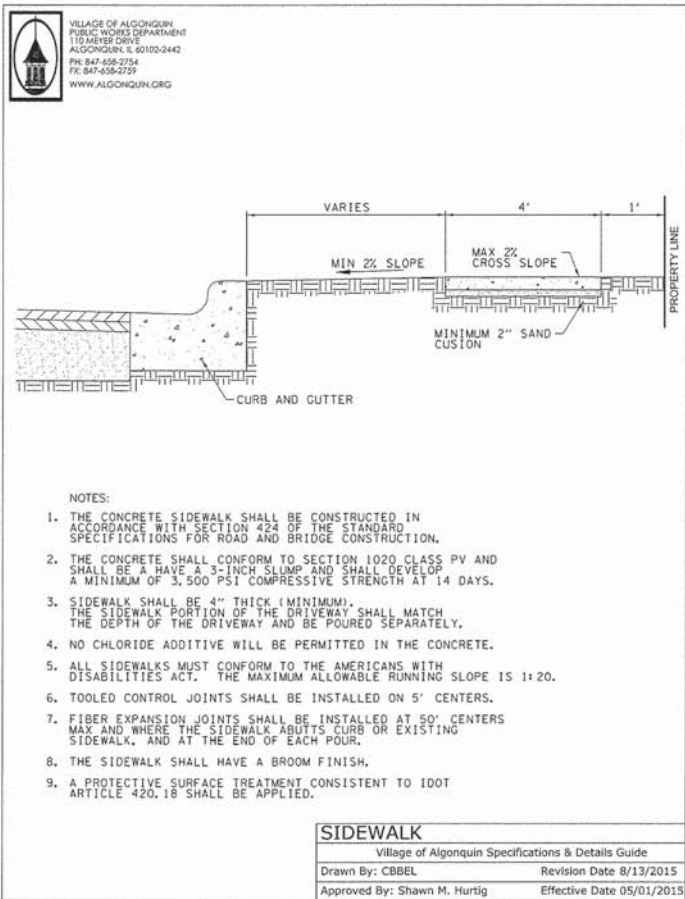
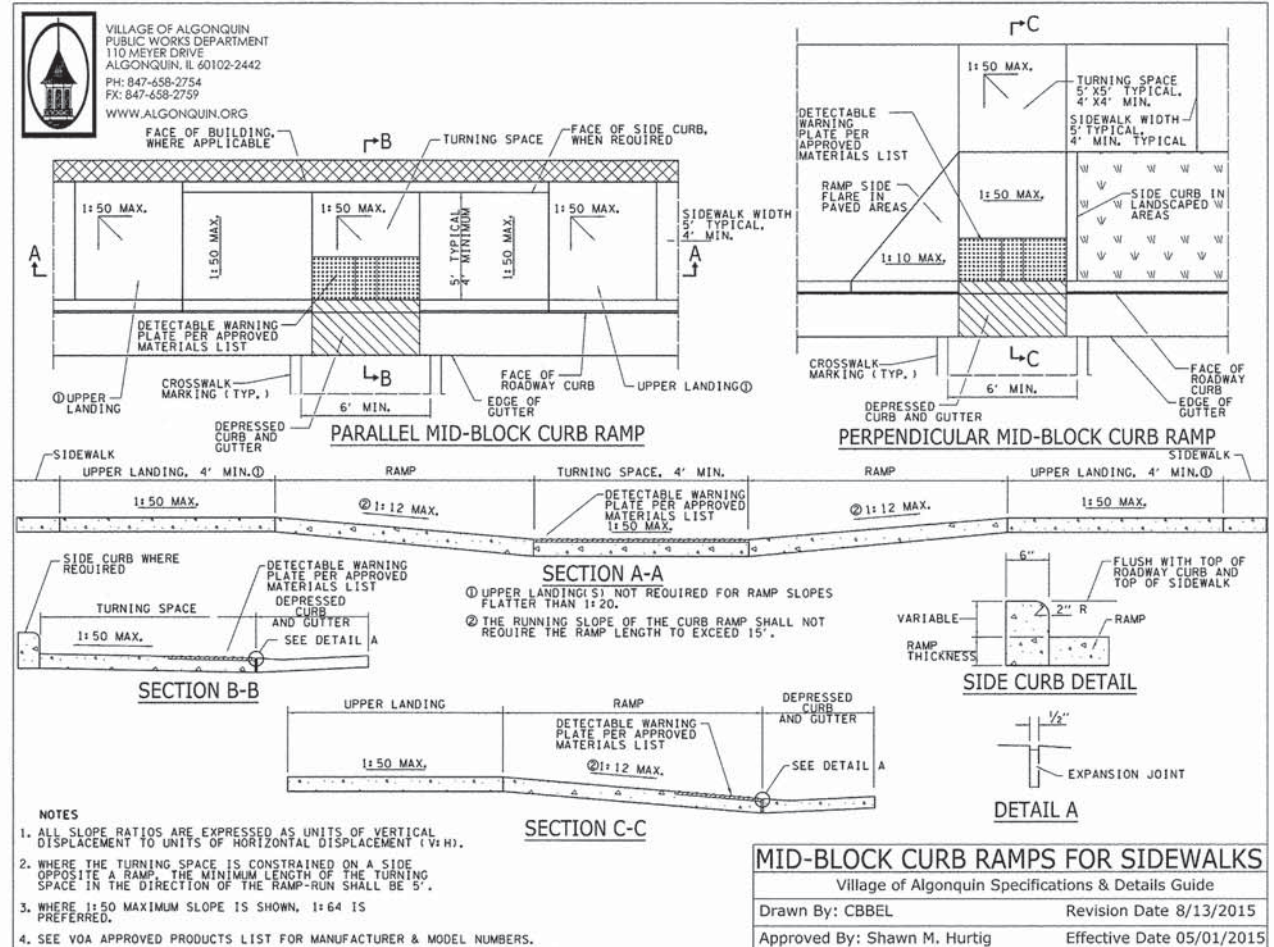
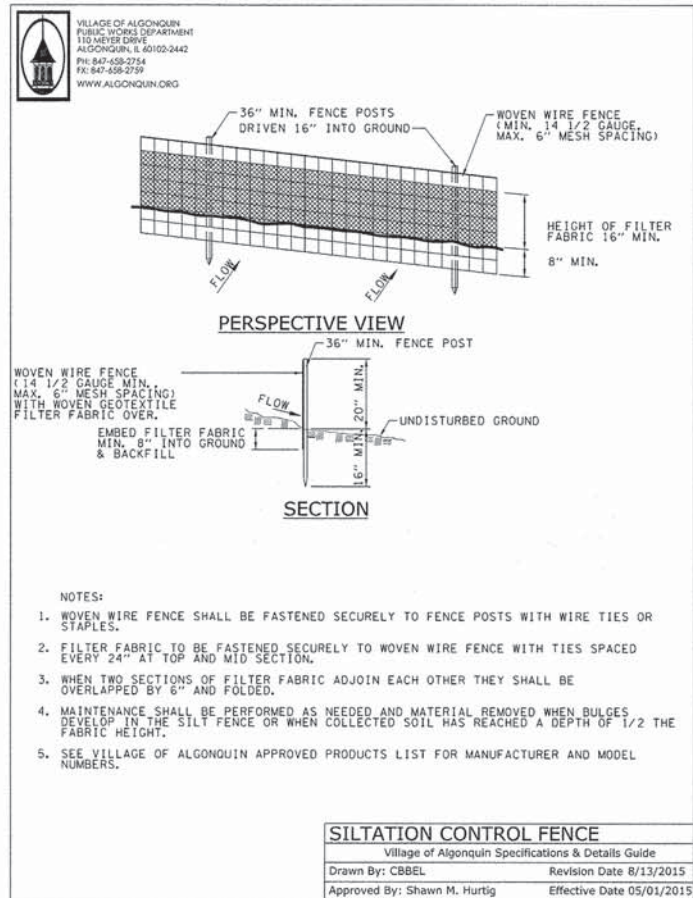
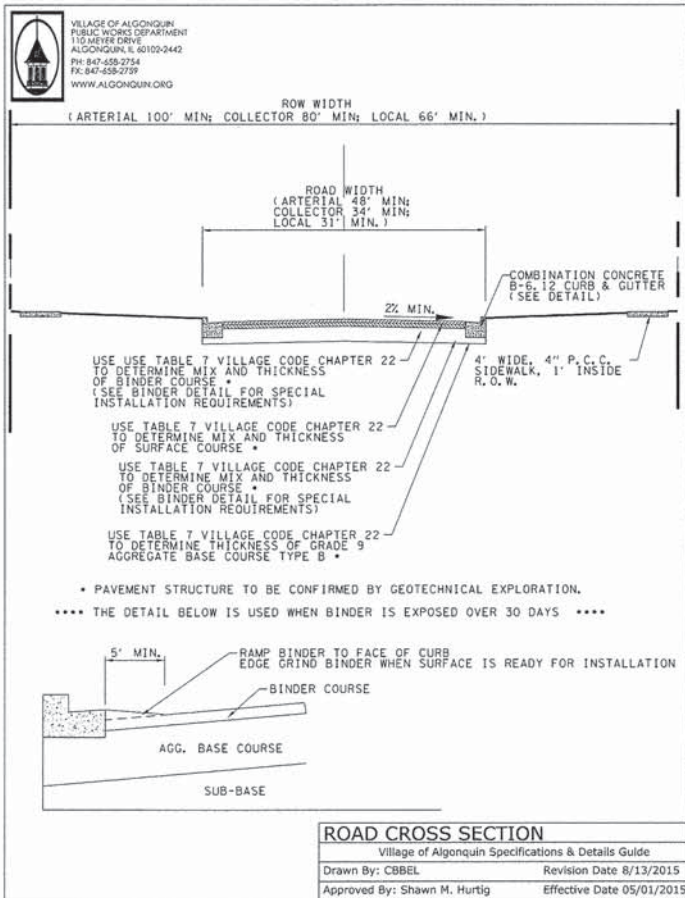
CHRISTOPHER B. BURKE ENGINEERING, LTD.
5075 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME	= jst-trick
DESIGNED	= MEK
CHECKED	= VMR
DRAWN	= MTV
PLLOT DATE	= 12/8/2015
CHECKED	= 10/27/2015
REVISED	=
REVISED	=
REVISED	=
REVISED	=

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HIGHLAND AVENUE VILLAGE OF ALGONQUIN DETAILS
SCALE: SHEET NO. 2 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4007	14-00088-00-PW	MCHENRY	83	59
CONTRACT NO. 61C24			ILLINOIS FED. AID PROJECT	



DATE	
BY	
REVISION	
NO.	
DATE	
BY	
REVISION	
NO.	

DATE	
BY	
REVISION	
NO.	
DATE	
BY	
REVISION	
NO.	

FILE NAME = N:\ALGONQUIN\2022\2022-07-27\2022-07-27-00-00-00.dwg

CHRISTOPHER B. BURKE ENGINEERING, LTD.
 1075 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 820-0900

USER NAME = jst1-jck	DESIGNED - MEK	REVISION -
PLOT SCALE = 20"	CHECKED - VMR	REVISION -
PLOT DATE 12/8/2015	DRAWN - MTV	REVISION -
	CHECKED - 10/27/2015	REVISION -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

HIGHLAND AVENUE VILLAGE OF ALGONQUIN DETAILS

SCALE: SHEET NO. 3 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4007	14-00088-00-PW	MCHENRY	83	60
			CONTRACT NO. 61C24	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	DATE
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

ORIGINAL SURVEY	DATE
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	



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 Rosemont, Illinois 60018
 (847) 823-0500

USER NAME	= jstrick
DESIGNED	-PWN
DRAWN	-MEK
CHECKED	-09/02/2011
DATE	-
REVISIONS	
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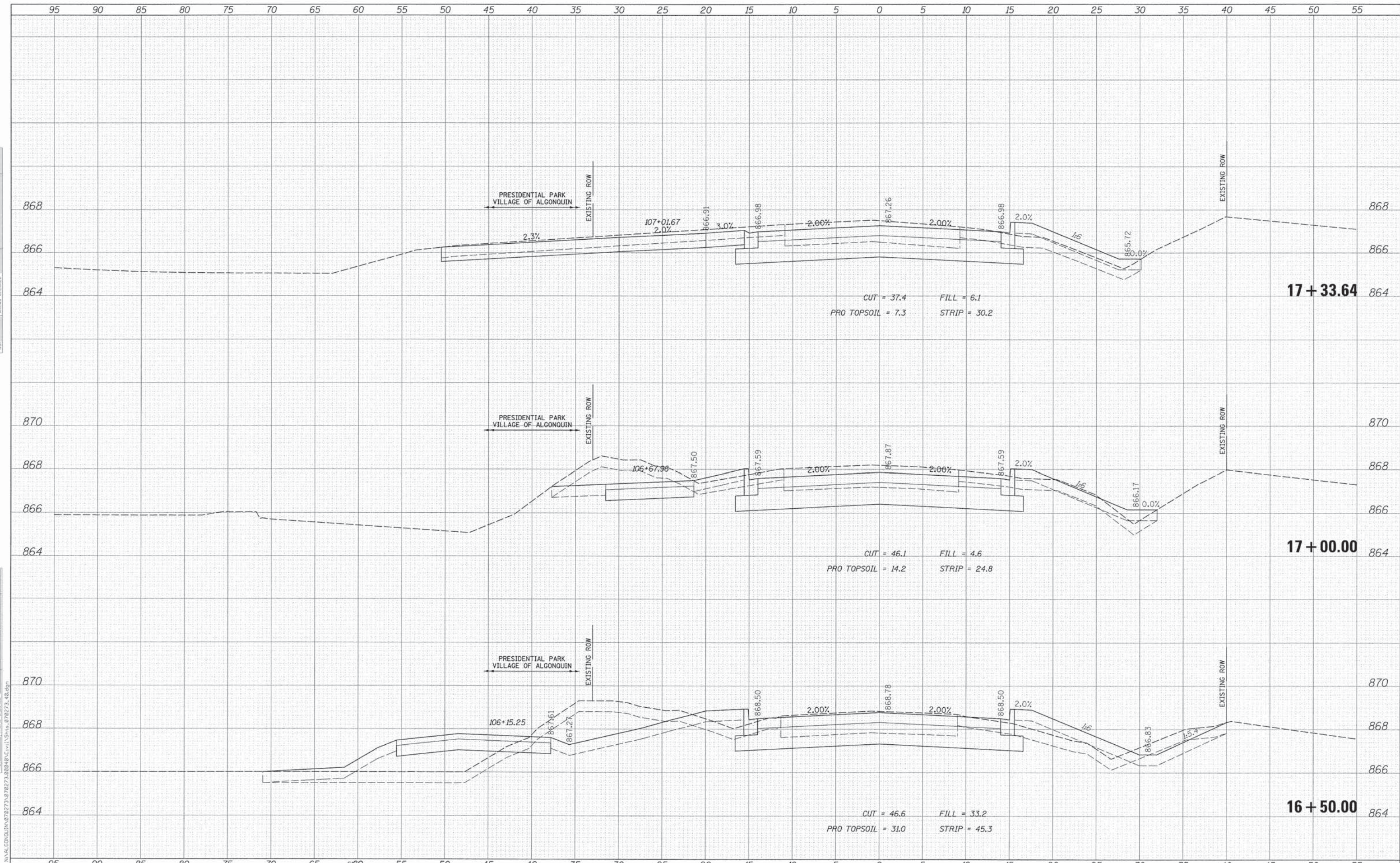
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

HIGHLAND AVENUE CROSS SECTIONS			
SCALE:	SHEET NO.	OF SHEETS	STA. 10+50.00 TO STA. 11+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4007	14-00088-00-PW	MCHENRY	83	62
				CONTRACT NO. 61024
ILLINOIS FED. AID PROJECT				

DATE	
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FINAL SURVEY	
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NOTE BOOK	
AREAS CHECKED	
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DATE	
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ORIGINAL SURVEY	
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NOTE BOOK	
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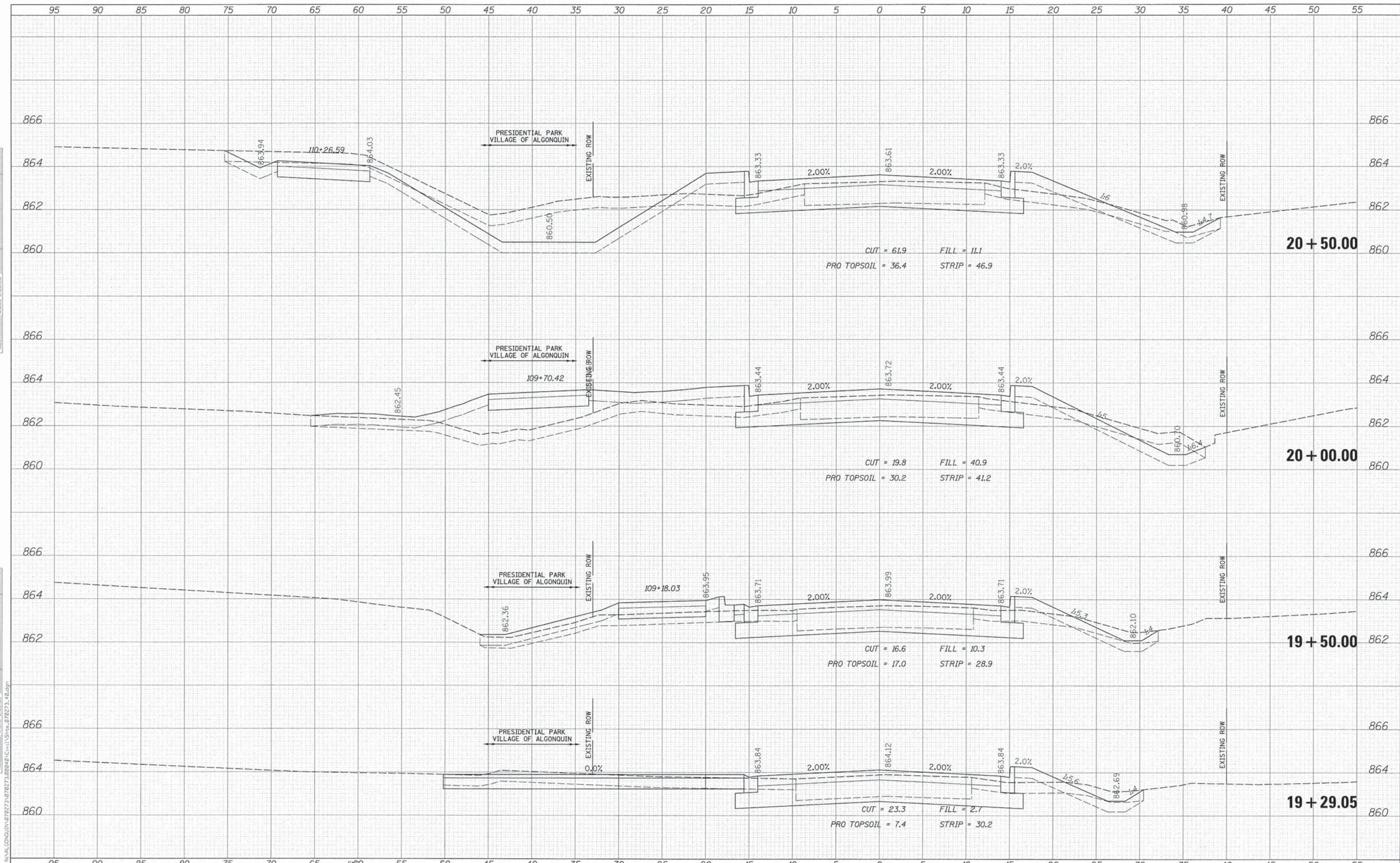
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4007	14-00088-00-PW	MCHENRY	83	66
			CONTRACT NO. 61024	
ILLINOIS FED. AID PROJECT				

DATE	
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ORIGINAL SURVEY	
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NOTE BOOK	
AREAS CHECKED	
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 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

USER NAME = jstrick	DESIGNED - PWN	REVISED -
PLLOT SCALE = 5'	DRAWN - MEK	REVISED -
PLLOT DATE = 12/8/2015	CHECKED - 09/02/2011	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

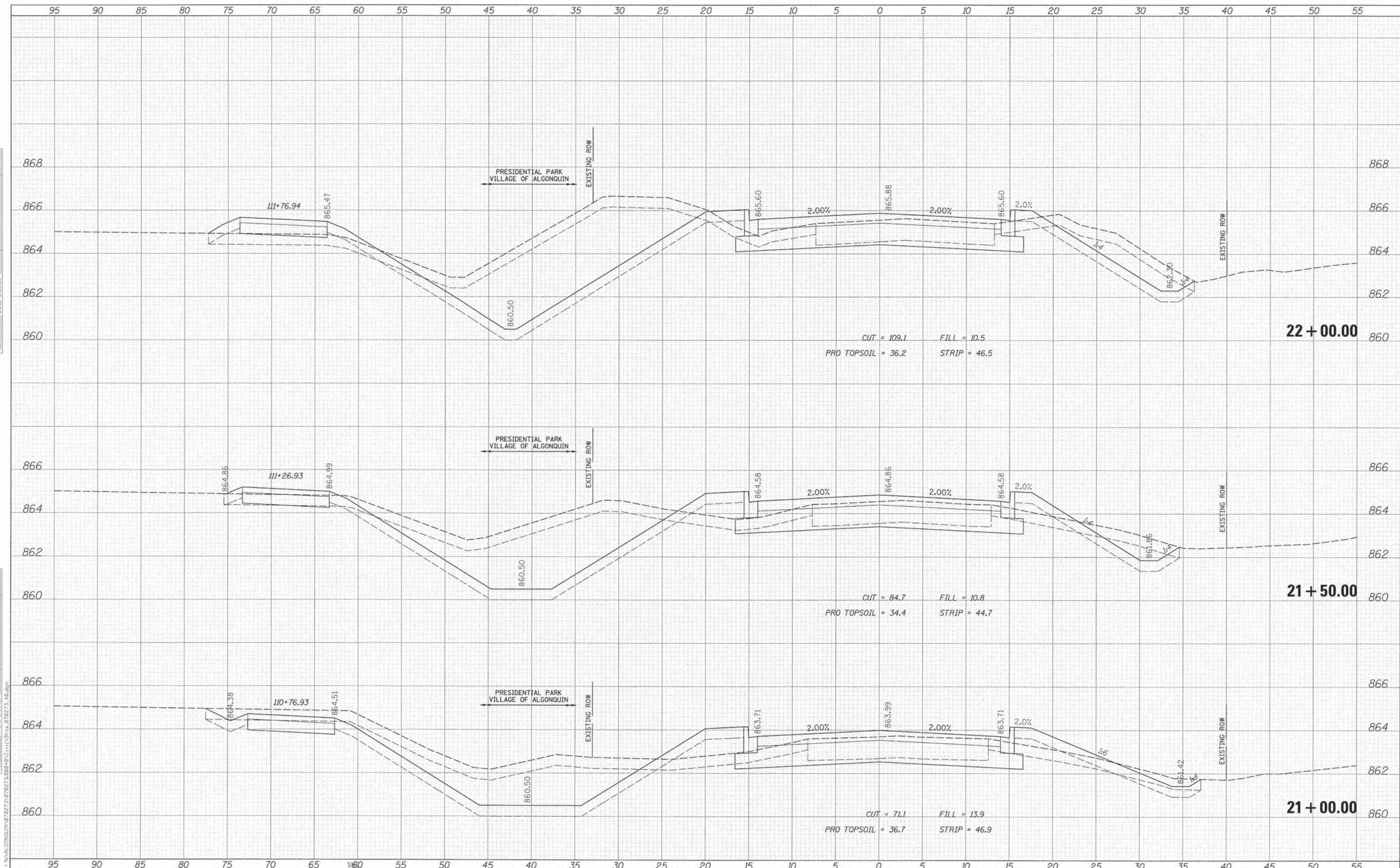
HIGHLAND AVENUE CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 19+29.05 TO STA. 20+50.00

F.A.U. RTE. 4007	SECTION 14-00088-00-PW	COUNTY MCHENRY	TOTAL SHEETS 83	SHEET NO. 68
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61024	

DATE	
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NOTE BOOK	
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 CHECKED - 09/02/2011
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 PLT SCALE = 5'
 PLT DATE 12/8/2015

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DRAWN	- MEK	REVISED	-
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DATE	-	REVISED	-

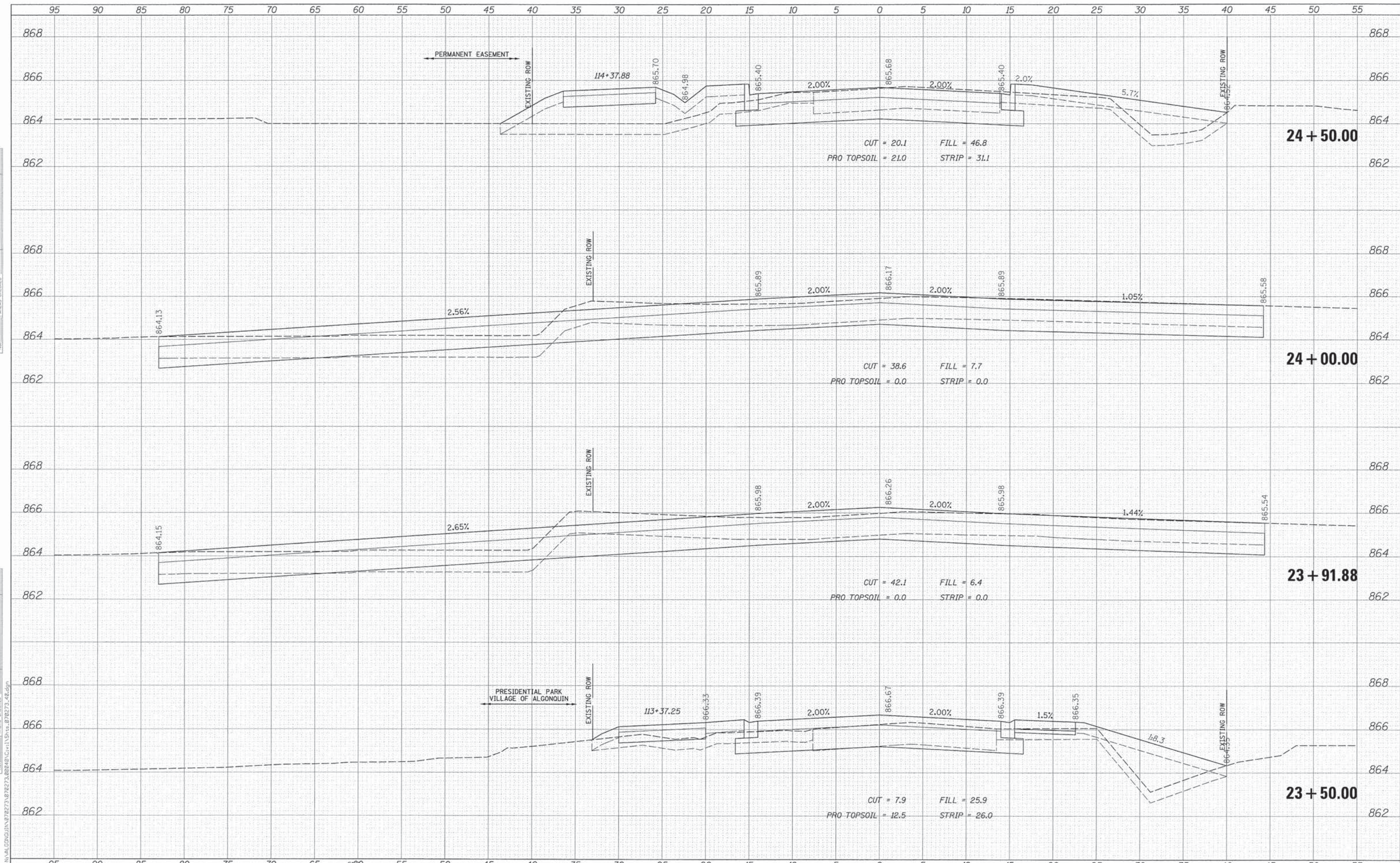
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

HIGHLAND AVENUE CROSS SECTIONS			
SCALE:	SHEET NO.	OF SHEETS	STA. 21+00.00 TO STA. 22+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4007	14-00088-00-PW	MCHENRY	83	69
				CONTRACT NO. 61024
ILLINOIS FED. AID PROJECT				

DATE	
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NOTE BOOK	
AREAS CHECKED	
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CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0800

USER NAME = jstrick	DESIGNED - PWN	REVISED -
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	DATE -	REVISED -

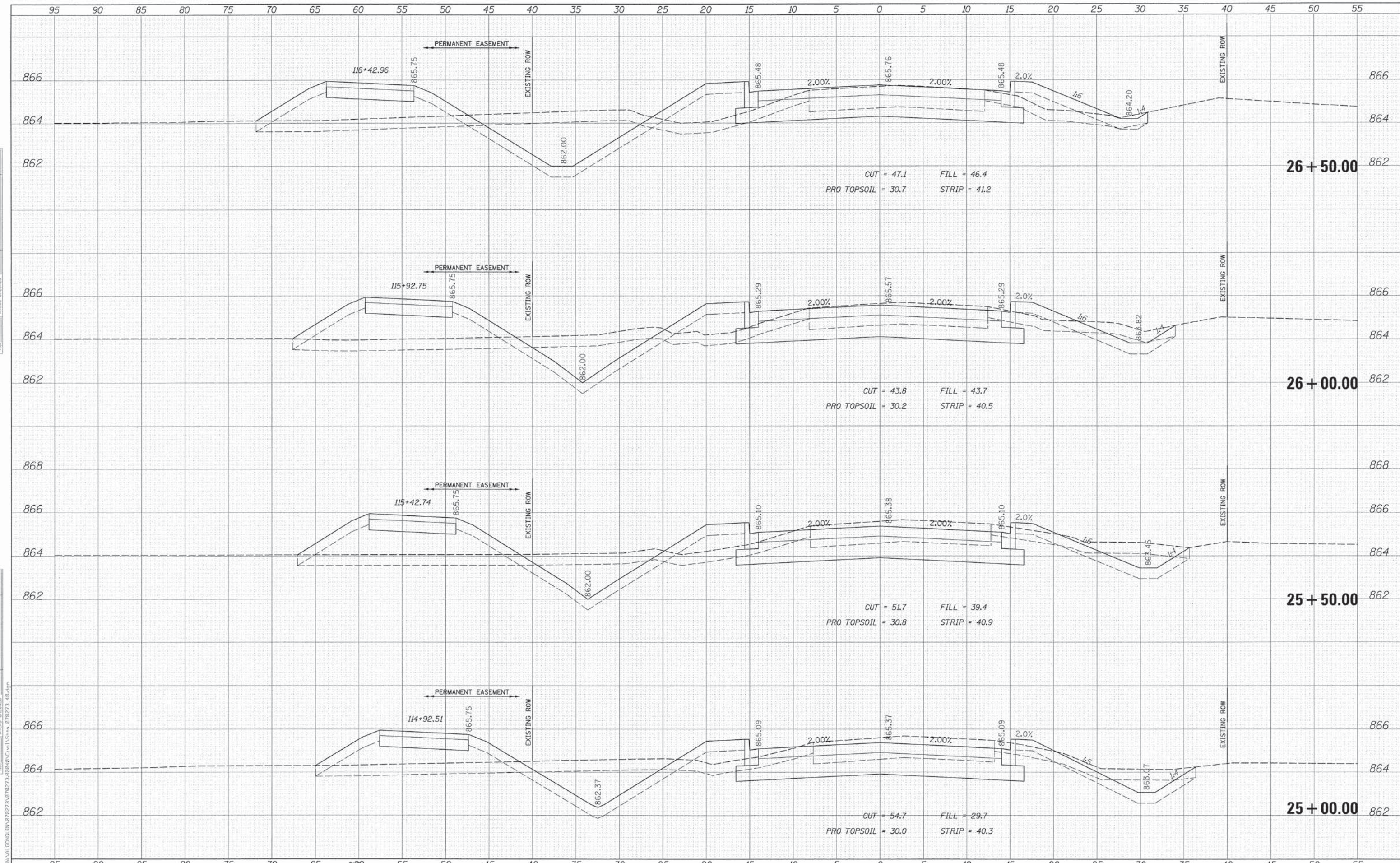
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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F.A.U. RTE. 4007	SECTION 14-00088-00-PW	COUNTY MCHENRY	TOTAL SHEETS 83	SHEET NO. 71
CONTRACT NO. 61024			ILLINOIS FED. AID PROJECT	

DATE	
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FINAL SURVEY	
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NOTE BOOK	
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ORIGINAL SURVEY	
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NOTE BOOK	
AREAS CHECKED	
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CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9573 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

USER NAME = jstrik	DESIGNED - PWN	REVISED -
	DRAWN - MEK	REVISED -
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PLOT DATE 12/8/2015	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

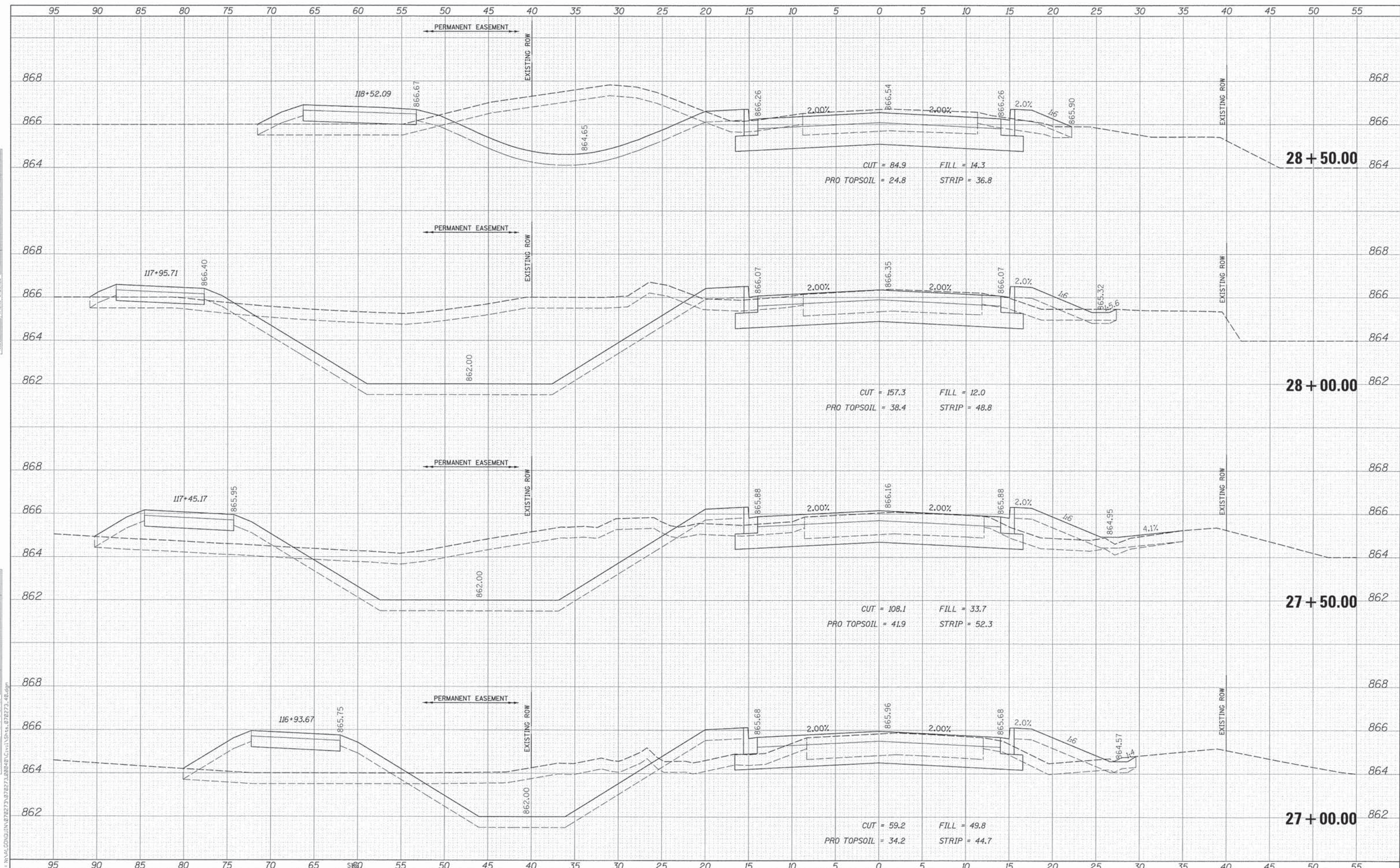
HIGHLAND AVENUE CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 25+00.00 TO STA. 26+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4007	14-00088-00-PW	MCHENRY	83	72
			CONTRACT NO. 61024	
ILLINOIS FED. AID PROJECT				

DATE	
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FINAL SURVEY	
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NOTE BOOK	
AREAS CHECKED	
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CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 900
 Rosemont, Illinois 60018
 (847) 823-0500

USER NAME = jstrick	DESIGNED - PWN	REVISED -
PLLOT SCALE = 5'	DRAWN - MEK	REVISED -
PLLOT DATE 12/8/2015	CHECKED - 09/02/2011	REVISED -
	DATE -	REVISED -

DESIGNED - PWN	REVISED -
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

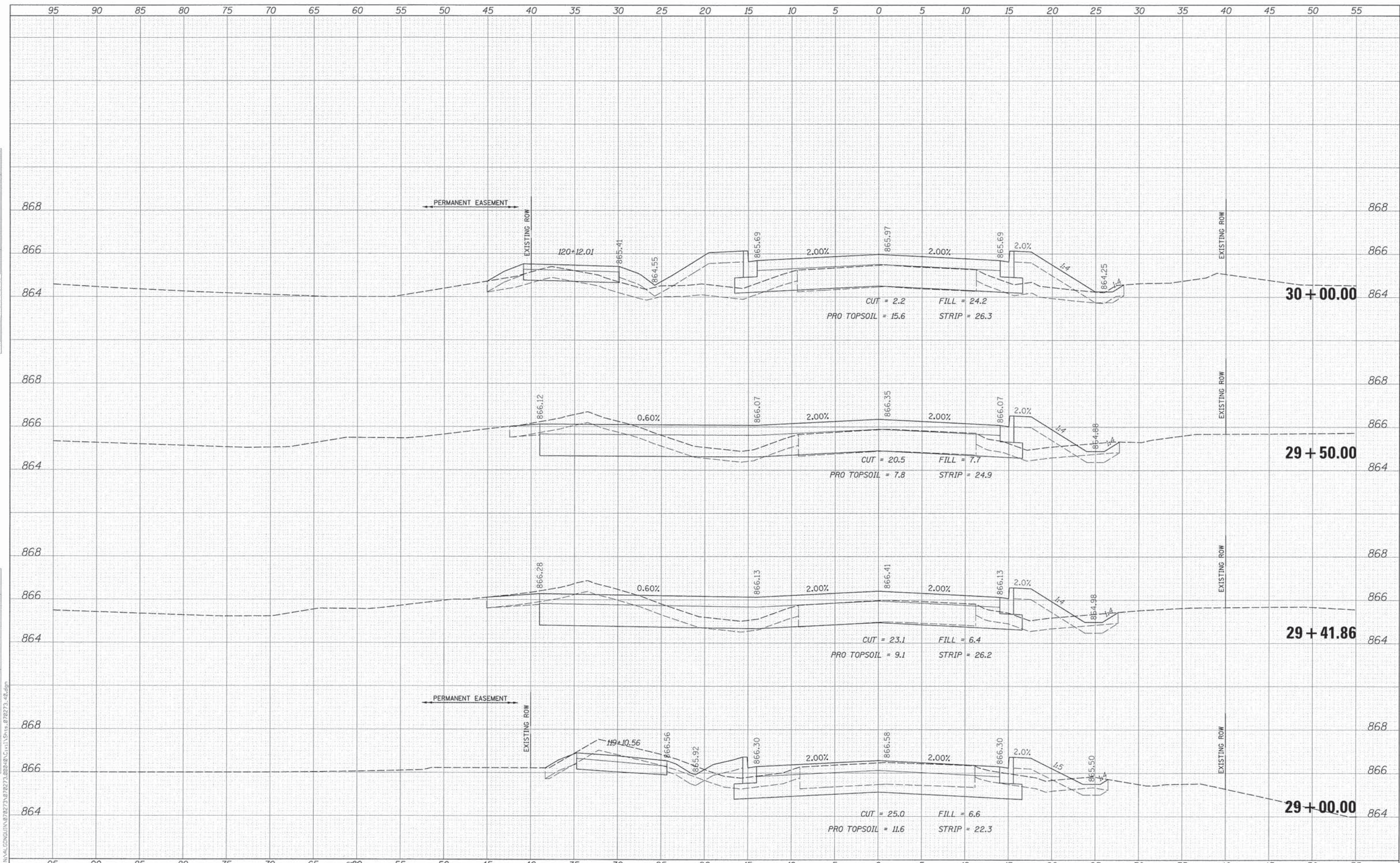
HIGHLAND AVENUE CROSS SECTIONS

SCALE:	SHEET NO. OF SHEETS	STA. 27+00.00 TO STA. 28+50.00
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F.A.U. RTE. 4007	SECTION 14-00088-00-PW	COUNTY MCHENRY	TOTAL SHEETS 83	SHEET NO. 73
			CONTRACT NO. 61024	
ILLINOIS FED. AID PROJECT				

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ORIGINAL SURVEY	
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TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

USER NAME	jsitrick
DESIGNED	-PWN
DRAWN	-MEK
CHECKED	-09/02/2011
DATE	-

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REVISED	-
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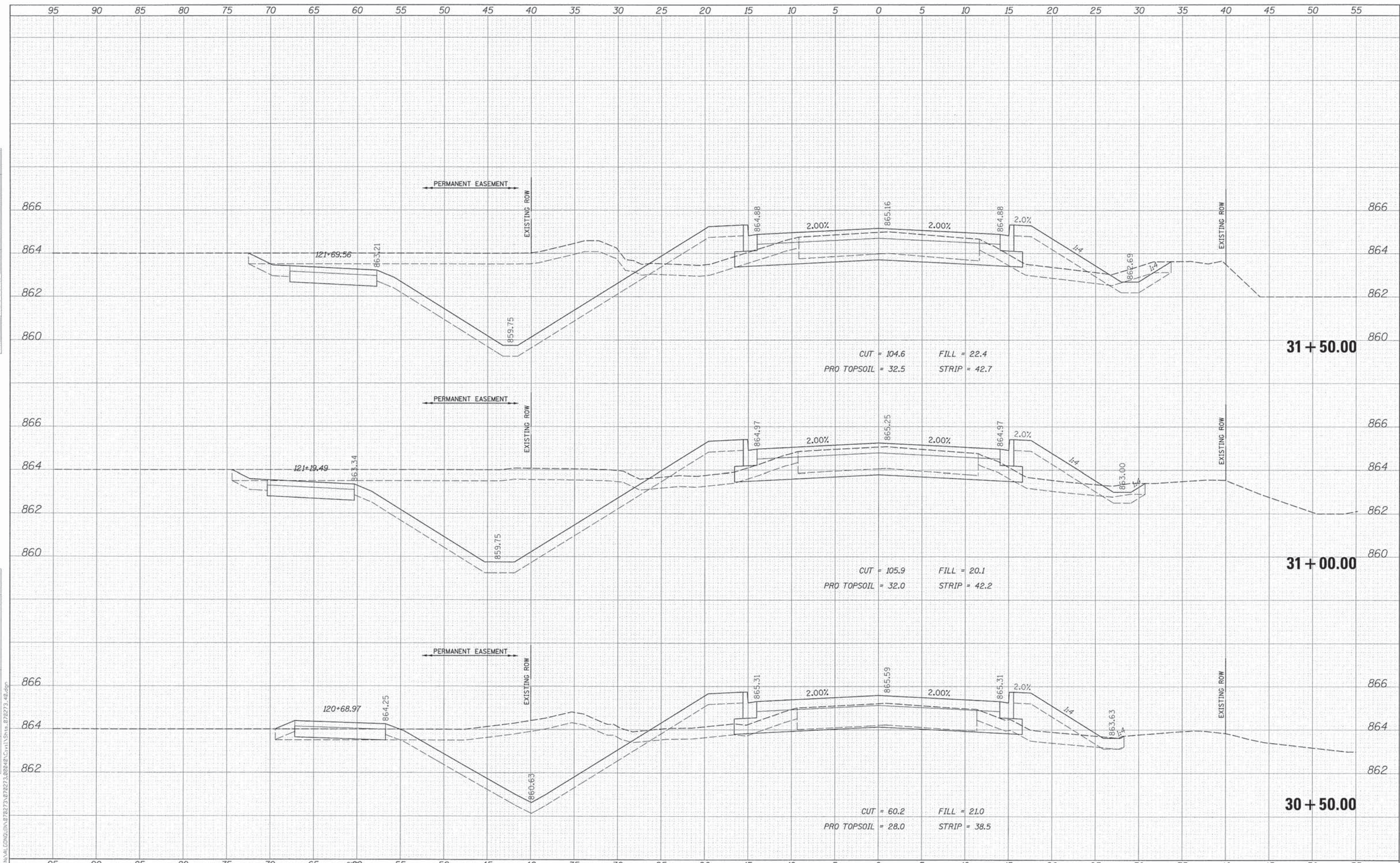
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

HIGHLAND AVENUE CROSS SECTIONS			
SCALE:	SHEET NO.	OF SHEETS	STA. 29+00.00 TO STA. 30+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4007	14-00088-00-PW	MCHENRY	83	74
				CONTRACT NO. 61024
ILLINOIS FED. AID PROJECT				

DATE	
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FINAL SURVEY	
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NOTE BOOK	
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DATE	
BY	
ORIGINAL SURVEY	
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TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 650
 Rosemont, Illinois 60018
 (847) 823-0900

USER NAME	jevrick
DESIGNED	-PWN
DRAWN	-MEK
CHECKED	-09/02/2011
DATE	-
REVISED	-
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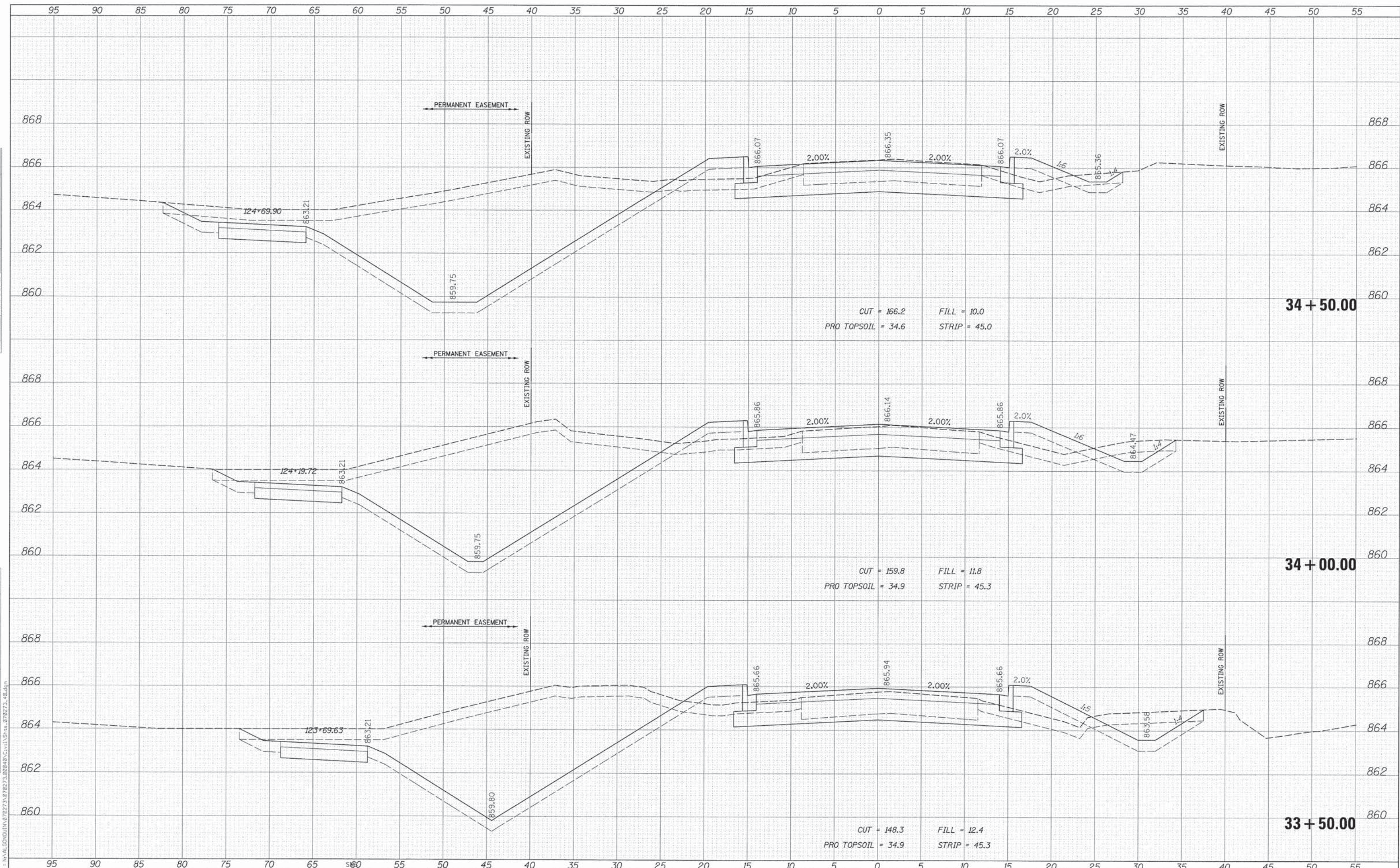
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

HIGHLAND AVENUE CROSS SECTIONS			
SCALE:	SHEET NO.	OF SHEETS	STA. 30+50.00 TO STA. 31+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4007	14-00088-00-PW	MCHENRY	83	75
				CONTRACT NO. 61024
ILLINOIS FED. AID PROJECT				

DATE	
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FINAL SURVEY	
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NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
NO. BY	
NOTE BOOK	
AREAS CHECKED	
NO.	



CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

USER NAME = jst121ck	DESIGNED - PWN	REVISED -
PLOT SCALE = 5'	DRAWN - MEK	REVISED -
PLOT DATE 12/8/2015	CHECKED - 09/02/2011	REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

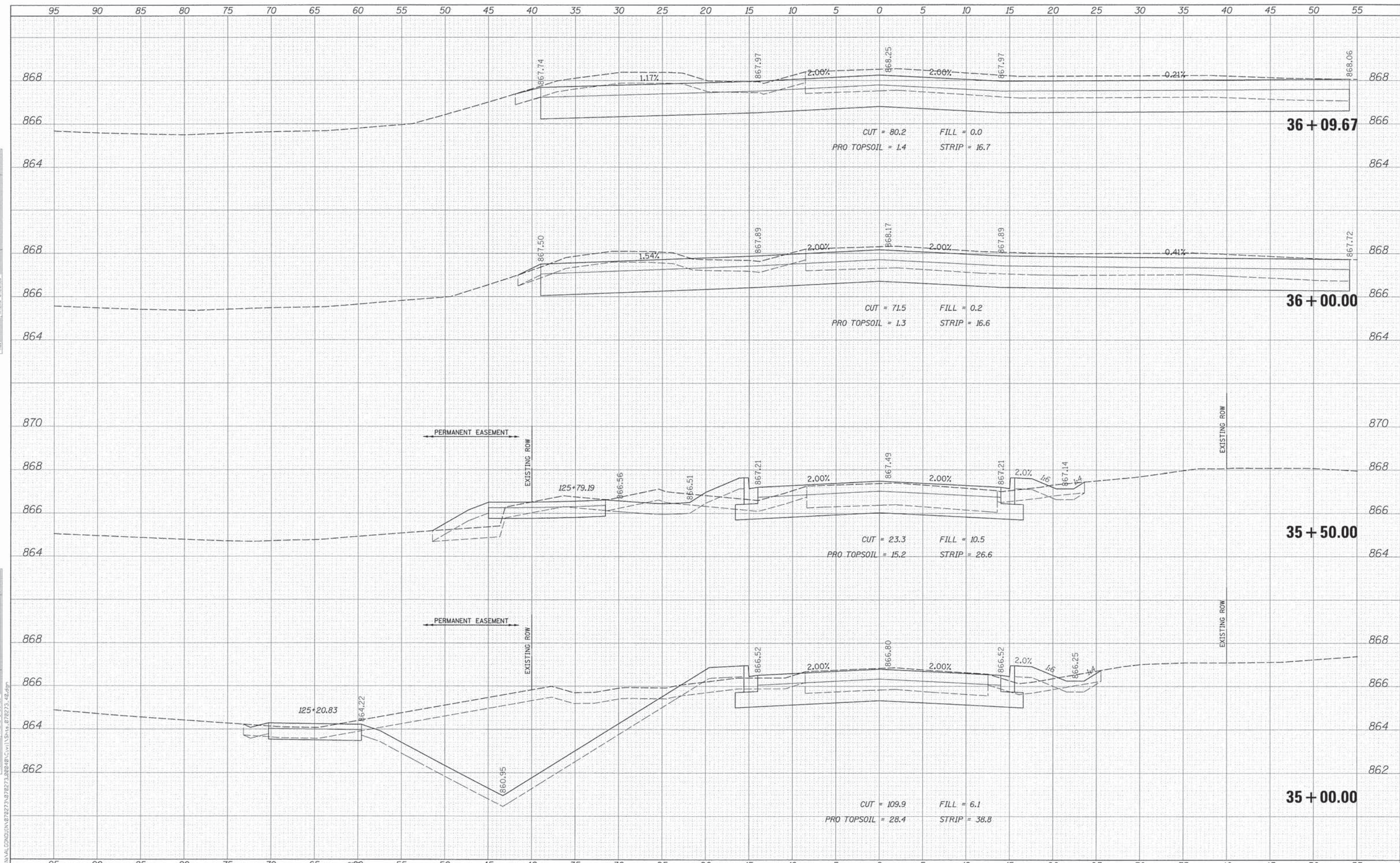
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SCALE:	SHEET NO.	OF SHEETS	STA. 33+50.00 TO STA. 34+50.00

F.A.U. RTE. 4007	SECTION 14-00088-00-PW	COUNTY MCHENRY	TOTAL SHEETS 83	SHEET NO. 77
CONTRACT NO. 61024				
ILLINOIS FED. AID PROJECT				

FILE NAME = N:\ALDC\DD\IN\072273\872273-02\840\C1\11\Shts_072273_48.dgn

DATE	
BY	
FINAL SURVEY	
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NOTE BOOK	
AREAS CHECKED	
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DATE	
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ORIGINAL SURVEY	
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NOTE BOOK	
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FILE NAME = NAVALCONQUIN\072273\072273\0224\072273_48.dgn
CB CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

USER NAME = jstirick	DESIGNED - PWN	REVISED -
PLLOT SCALE = 5'	DRAWN - MEK	REVISED -
PLLOT DATE 12/8/2015	CHECKED - 09/02/2011	REVISED -
	DATE -	REVISED -

DESIGNED - PWN	REVISED -
DRAWN - MEK	REVISED -
CHECKED - 09/02/2011	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

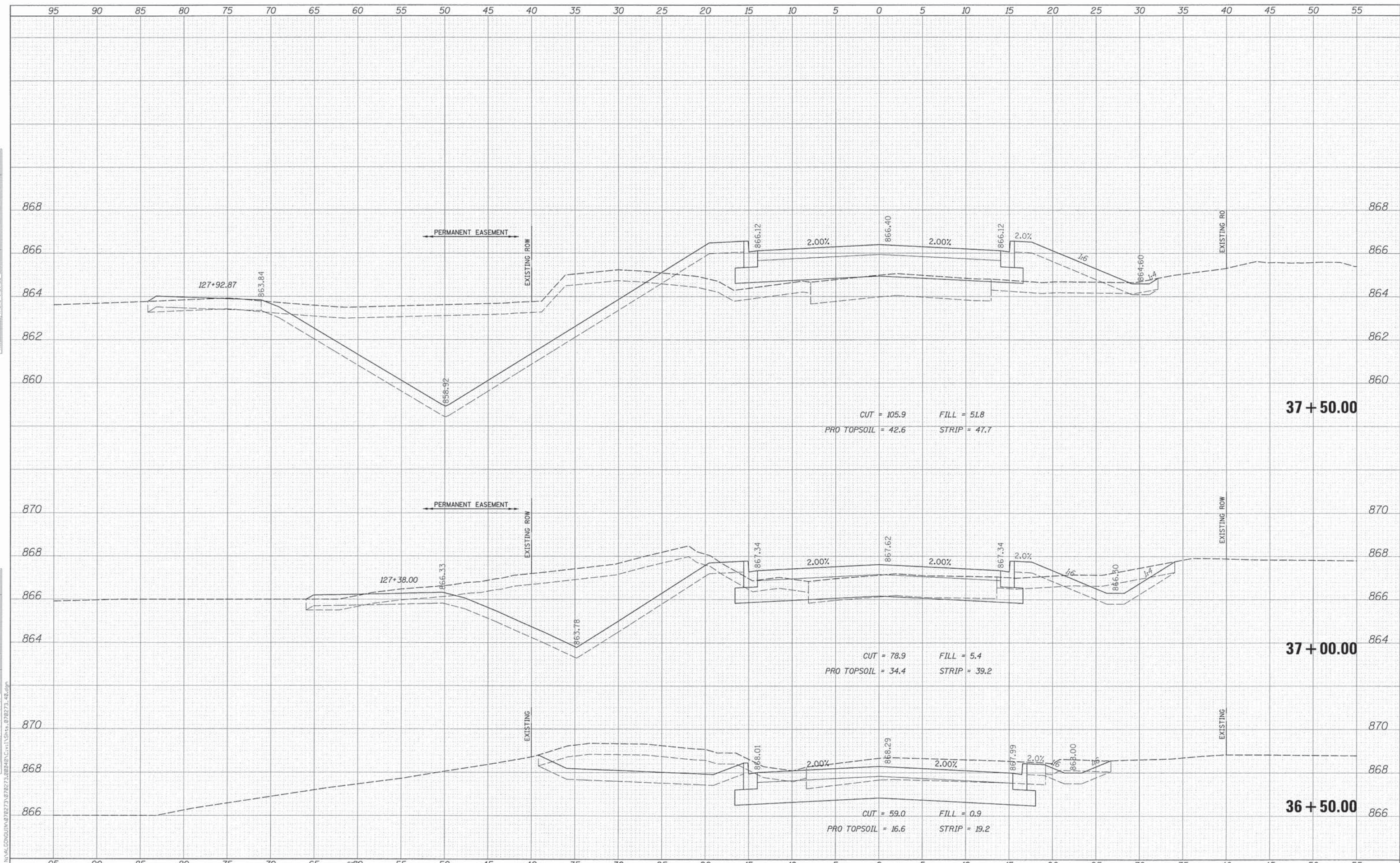
HIGHLAND AVENUE CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 35+00.00 TO STA. 36+09.67

F.A.U. RTE. 4007	SECTION 14-00088-00-PW	COUNTY MCHENRY	TOTAL SHEETS 83	SHEET NO. 78
			CONTRACT NO. 61024	
ILLINOIS FED. AID PROJECT				

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PLLOT SCALE = 5'	DRAWN - MEK	REVISED -
PLLOT DATE 12/8/2015	CHECKED - 09/02/2011	REVISED -
	DATE -	REVISED -

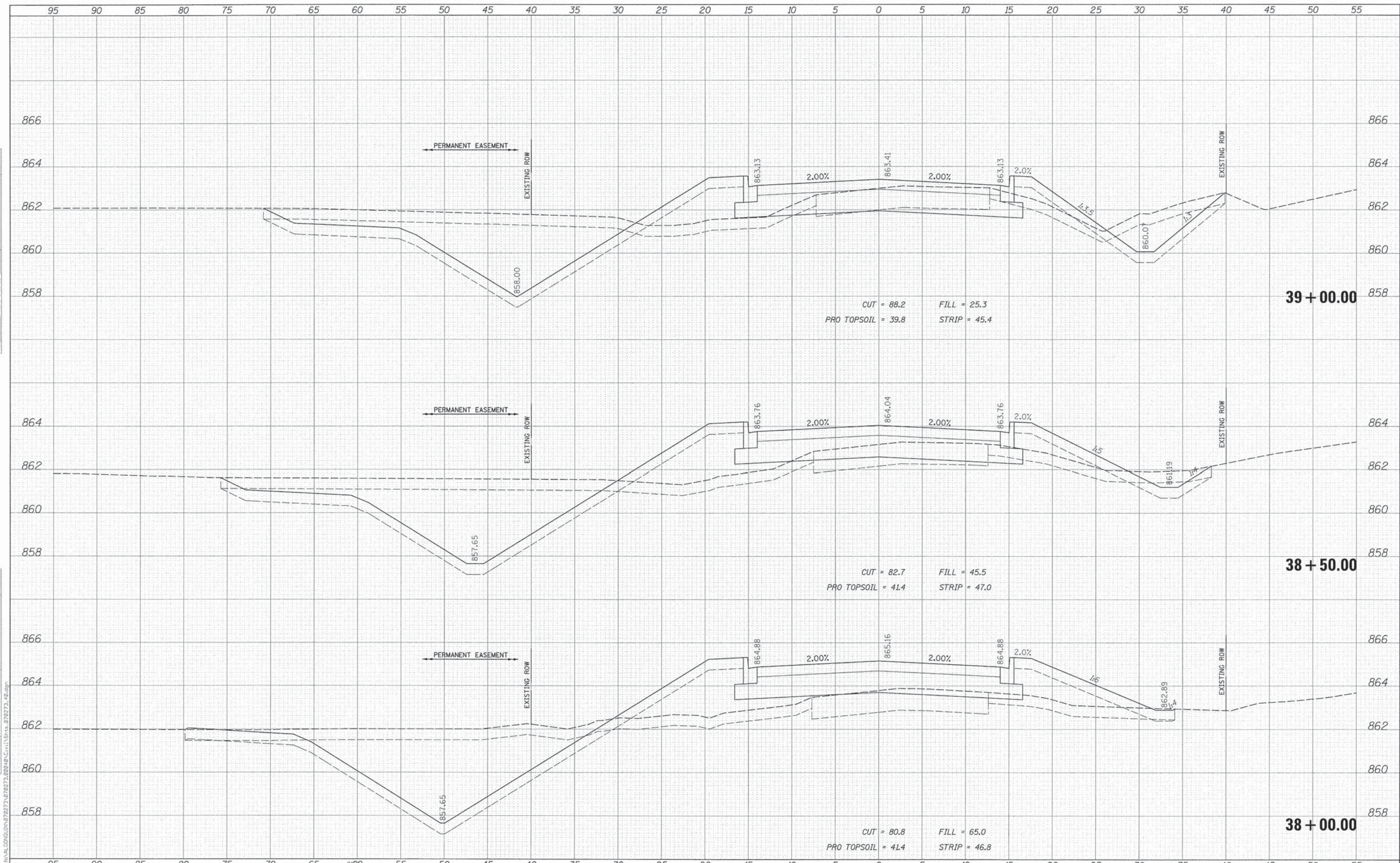
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

HIGHLAND AVENUE CROSS SECTIONS			
SCALE:	SHEET NO.	OF SHEETS	STA. 36+50.00 TO STA. 37+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4007	14-00088-00-PW	MCHENRY	83	79
				CONTRACT NO. 61024
ILLINOIS FED. AID PROJECT				

DATE	
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FINAL SURVEY	
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NOTE BOOK	
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ORIGINAL SURVEY	
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NOTE BOOK	
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PLOT SCALE = 5'	DRAWN - MEK	REVISED -
PLOT DATE 12/8/2015	CHECKED - 09/02/2011	REVISED -
	DATE -	REVISED -

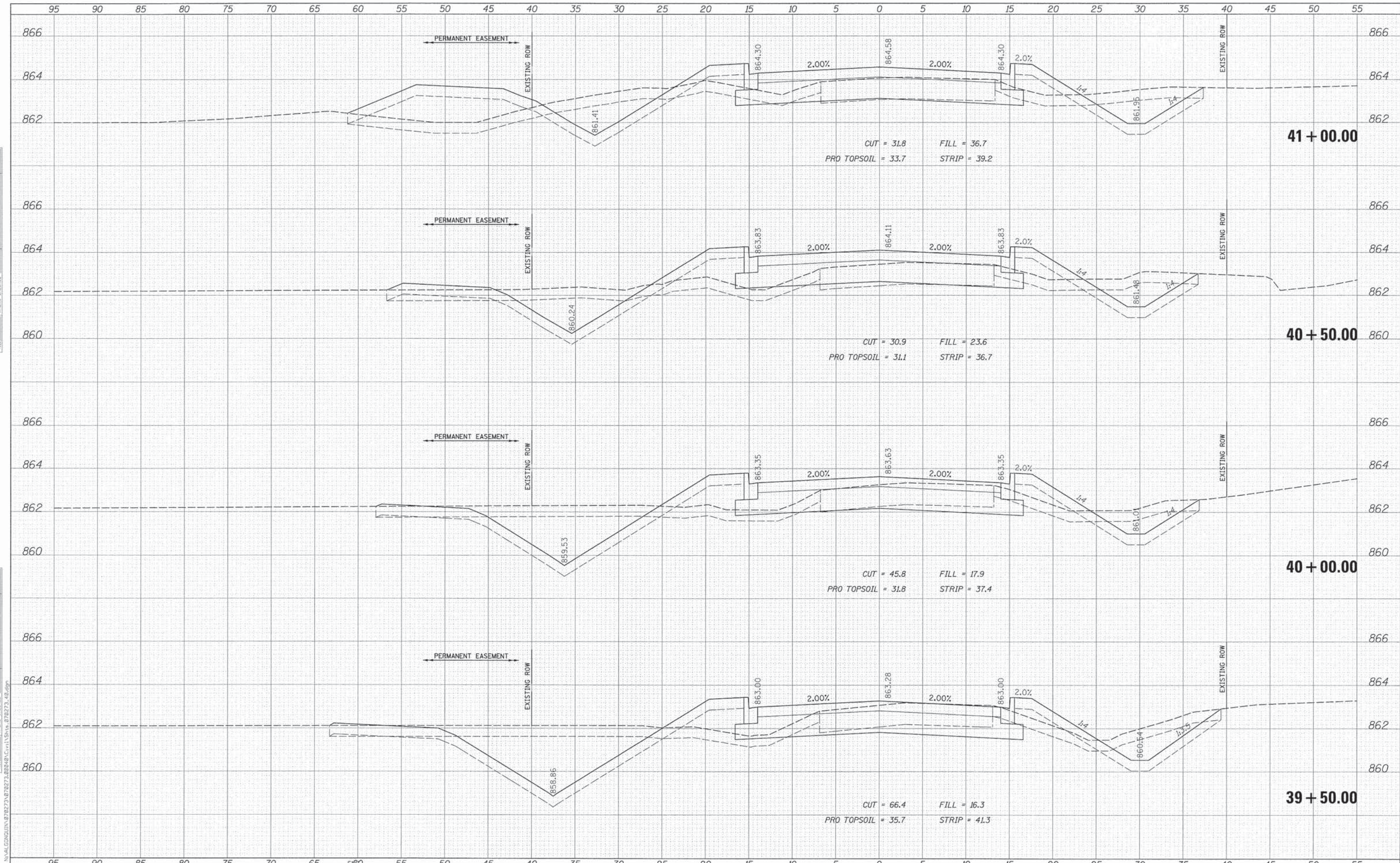
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

HIGHLAND AVENUE CROSS SECTIONS			
SCALE:	SHEET NO.	OF SHEETS	STA. 38+00.00 TO STA. 39+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4007	14-00088-00-PW	MCHENRY	83	80
				CONTRACT NO. 61024
ILLINOIS FED. AID PROJECT				

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USER NAME = jstirick	DESIGNED - PWN	REVISED -
PLLOT SCALE = 5'	DRAWN - MEK	REVISED -
PLLOT DATE = 12/8/2015	CHECKED - 09/02/2011	REVISED -
	DATE -	REVISED -

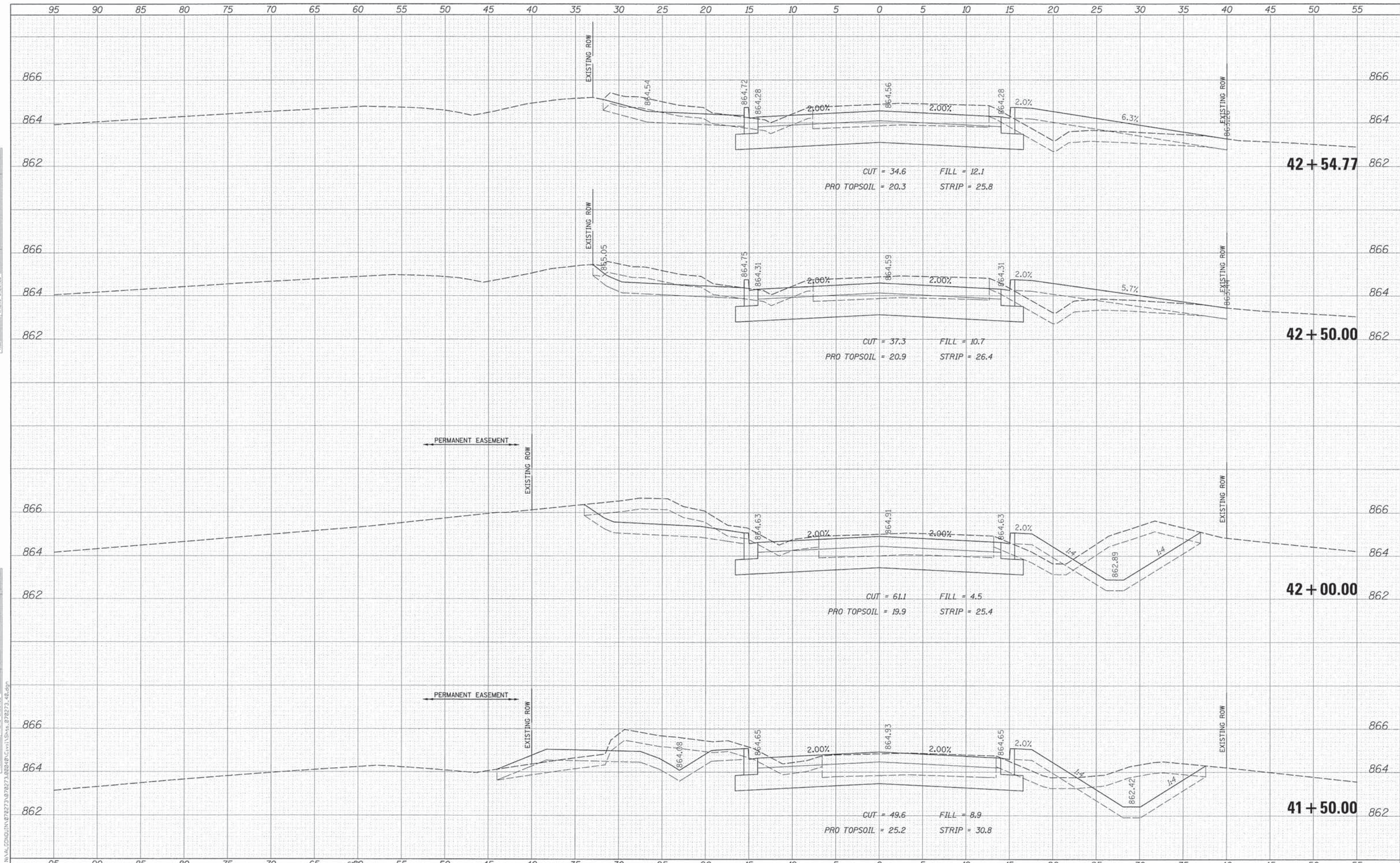
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

HIGHLAND AVENUE CROSS SECTIONS			
SCALE:	SHEET NO.	OF SHEETS	STA. 39+50.00 TO STA. 41+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4007	14-00088-00-PW	MCHENRY	83	81
			CONTRACT NO. 61024	
ILLINOIS FED. AID PROJECT				

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USER NAME = jstrick	DESIGNED - PWN	REVISED -
	DRAWN - MEK	REVISED -
PLLOT SCALE = 5'	CHECKED - 09/02/2011	REVISED -
PLLOT DATE 12/8/2015	DATE -	REVISED -

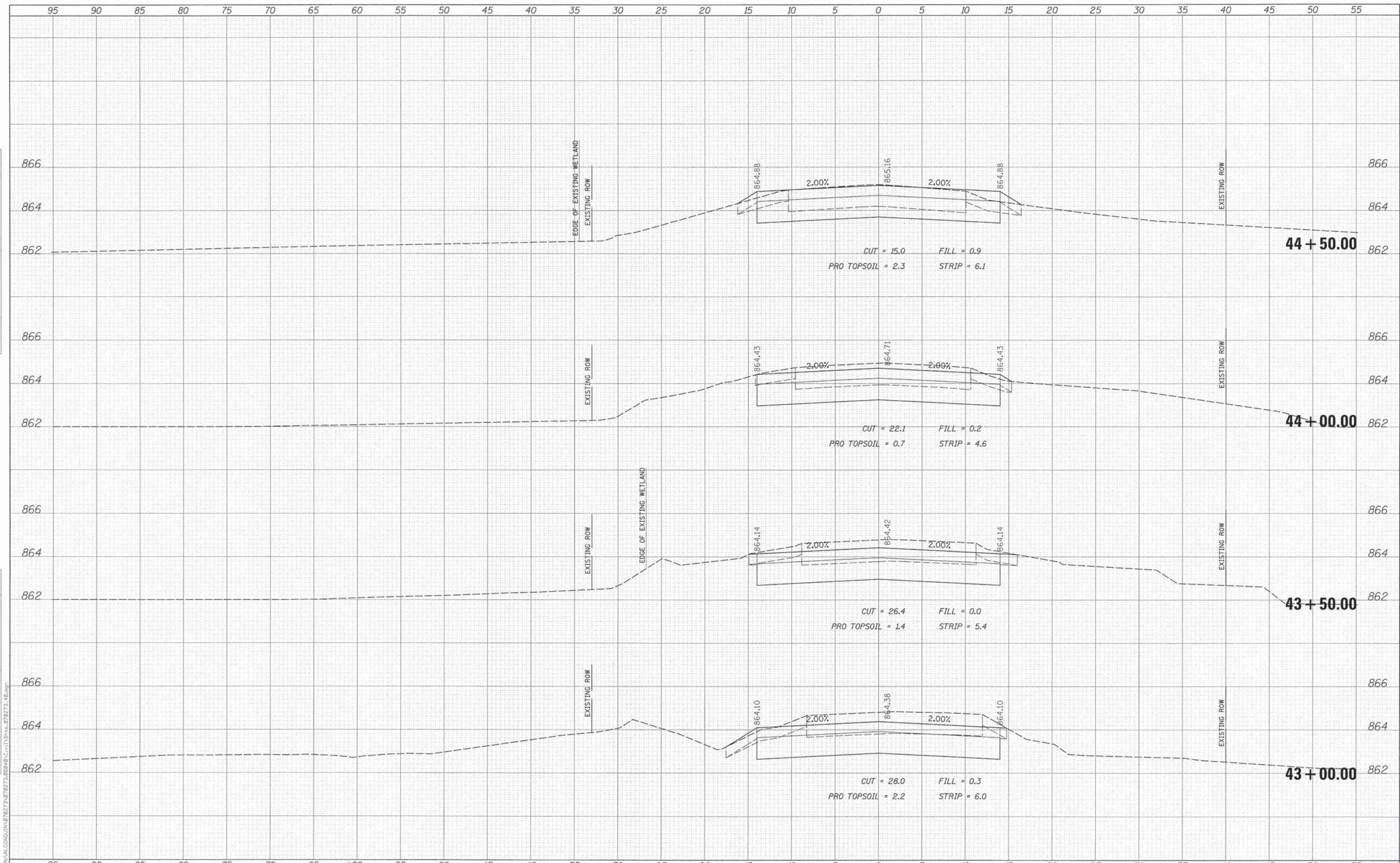
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

HIGHLAND AVENUE CROSS SECTIONS			
SCALE:	SHEET NO.	OF SHEETS	STA. 41+50.00 TO STA. 43+00.00

F.A.U. RTE. 4007	SECTION 14-00088-00-PW	COUNTY MCHENRY	TOTAL SHEETS 83	SHEET NO. 82
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61024	

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NOTE BOOK	
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	DRAWN - MEK	REVISED -
PLOT SCALE = 5'	CHECKED - 09/02/2011	REVISED -
PLOT DATE 12/8/2015	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

HIGHLAND AVENUE CROSS SECTIONS			
SCALE:	SHEET NO.	OF SHEETS	STA. 43+50.00 TO STA. 44+50.00

F.A.U. RTE. 4007	SECTION 14-00088-00-PW	COUNTY MCHENRY	TOTAL SHEETS 83	SHEET NO. 83
CONTRACT NO. 61024				
ILLINOIS FED. AID PROJECT				