

SUMMARY OF QUANTITIES

PAYCODE	ITEM DESCRIPTION	UNIT	TOTAL	MCDOT		JOHNSBURG		
				ROADWAY 80% FEDERAL 20% LOCAL 0004	LIGHTING 80% FEDERAL 20% LOCAL 0021	ITEP 80% FEDERAL 20% LOCAL 0031	LIGHTING 80% FEDERAL 20% LOCAL 0021	VILLAGE OF JOHNSBURG 100% LOCAL 0043
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	25	25				
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	120	120				
20101000	TEMPORARY FENCE	FOOT	15	15				
20200100	EARTH EXCAVATION	CU YD	3,866	3,866				
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	2,681	2,681				
20400800	FURNISHED EXCAVATION	CU YD	1,432	1,432				
20800150	TRENCH BACKFILL	CU YD	867	867				
* 21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	3,385	3,385				
* 21101815	COMPOST FURNISH AND PLACE, 4"	SO YD	63			63		
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	42	42				
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	42	42				
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	42	42				
25100635	HEAVY DUTY EROSION CONTROL BLANKET	SO YD	2,566	2,566				
* 25200110	SODDING, SALT TOLERANT	SO YD	3,385	3,385				
* 25200200	SUPPLEMENTAL WATERING	UNIT	130	130				
28100105	STONE RIPRAP, CLASS A3	SO YD	11	11				
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	53	53				
28000400	PERIMETER EROSION BARRIER	FOOT	515	515				
28000510	INLET FILTERS	EACH	36	36				
28001100	TEMPORARY EROSION CONTROL BLANKET	SO YD	2,566	2,566				
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	2,332	2,332				
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SO YD	8,093	8,093				
31101400	SUBBASE GRANULAR MATERIAL, TYPE B 6"	SO YD	2,389	2,389				
35501320	HOT-MIX ASPHALT BASE COURSE, 9"	SO YD	257	257				
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	940	940				
40600300	AGGREGATE (PRIME COAT)	TON	2	2				
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGWAYS	TON	1	1				
40600895	CONSTRUCTING TEST STRIP	EACH	1	1				
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	55	55				
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	148	148				
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	233	233				
40701946	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 13 1/4"	SO YD	5,498	5,498				

* SPECIALTY ITEM
X CONSTRUCTION TYPE CODE 0042

⚠ 12/20/2013

COMPANY NAME: HRGreen
PROJECT CONTACT: HRGreen.com
CLIENT: 12/19/2013 2:05:38 PM
DATE PLOTTED: 080622-sum.dgn
FILE NAME: pdf.plt
PLOT DRIVER: standard-trans.tbl
PEN TABLE:



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PLOT DATE = 12/19/2013	DATE - 12/19/13	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: N.T.S. SHEET NO. 1 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-03-WR	MCHENRY	120	4
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63870	

SUMMARY OF QUANTITIES (CONTD.)

PAYCODE	ITEM DESCRIPTION	UNIT	TOTAL	MCDOT		JOHNSBURG		
				ROADWAY 80% FEDERAL 20% LOCAL 0004	LIGHTING 80% FEDERAL 20% LOCAL 0021	ITEP 80% FEDERAL 20% LOCAL 0031	LIGHTING 80% FEDERAL 20% LOCAL 0021	VILLAGE OF JOHNSBURG 100% LOCAL 0043
42001300	PROTECTIVE COAT	SO YD	4,334	4,334				
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SO YD	15	15				
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SO YD	221	221				
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	10,681.0	10,681.0				
42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SO FT	212.0	212.0				
42400800	DETECTABLE WARNINGS	SO FT	195	195				
44000100	PAVEMENT REMOVAL	SO YD	8,011	8,011				
44000166	HOT-MIX ASPHALT SURFACE REMOVAL, 4 1/4"	SO YD	1,238	1,238				
44000200	DRIVEWAY PAVEMENT REMOVAL	SO YD	639	639				
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1,623	1,623				
44000600	SIDEWALK REMOVAL	SO FT	3,549	3,549				
44004000	PAVED DITCH REMOVAL	FOOT	75	75				
44201713	CLASS D PATCHES, TYPE I, 6 INCH	SO YD	10	10				
44201717	CLASS D PATCHES, TYPE II, 6 INCH	SO YD	100	100				
44201721	CLASS D PATCHES, TYPE III, 6 INCH	SO YD	220	220				
44201723	CLASS D PATCHES, TYPE IV, 6 INCH	SO YD	835	835				
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	328	328				
50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1	1				
50104400	CONCRETE HEADWALL REMOVAL	EACH	2	2				
50200100	STRUCTURE EXCAVATION	CU YD	1,064	1,064				
50300225	CONCRETE STRUCTURES	CU YD	25.0	25.0				
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	3,510	3,510				
54001001	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	1	1				
54011204	PRECAST CONCRETE BOX CULVERTS 12' x 4'	FOOT	200.0	200.0				
54213675	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	EACH	1	1				
54244405	FLUSH INLET BOX FOR MEDIAN, STANDARD 542546	EACH	3	3				
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	416	416				
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	112	112				
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	363	363				
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	672	672				
550a0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	57	57				

* SPECIALTY ITEM
X CONSTRUCTION TYPE CODE 0042

12/20/2013

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PROJECT CONTACT: HRGreen.com
CLIENT: Illinois Professional Design Firm
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PLOT DATE = 12/19/2013	DATE - 12/19/13	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: N.T.S. SHEET NO. 2 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-03-WR	MCHENRY	120	5
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 63870	

SUMMARY OF QUANTITIES (CONTD.)

PAYCODE	ITEM DESCRIPTION	UNIT	TOTAL	MCDOT		JOHNSBURG		
				ROADWAY 80% FEDERAL 20% LOCAL 0004	LIGHTING 80% FEDERAL 20% LOCAL 0021	ITEP 80% FEDERAL 20% LOCAL 0031	LIGHTING 80% FEDERAL 20% LOCAL 0021	VILLAGE OF JOHNSBURG 100% LOCAL 0043
55100500	STORM SEWER REMOVAL 12"	FOOT	34	34				
55100700	STORM SEWER REMOVAL 15"	FOOT	234	234				
55101200	STORM SEWER REMOVAL 24"	FOOT	394	394				
60201105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	7	7				
60202405	CATCH BASINS, TYPE A, 4'-DIAMETER	EACH	1	1				
60204805	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	7	7				
60206600	CATCH BASINS, TYPE B, TYPE 7 GRATE	EACH	1	1				
60207905	CATCH BASINS, TYPE C, TYPE 11 FRAME AND GRATE	EACH	1	1				
60221000	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	2	2				
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1				
60222000	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	1	1				
60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1				
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	2	2				
60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	8	8				
60257900	MANHOLES TO BE RECONSTRUCTED	EACH	1	1				
60600605	CONCRETE CURB, TYPE B	FOOT	456.0	456.0				
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	3,707.0	3,707.0				
60616110	PAVED DITCH, TYPE A-30	FOOT	70	70				
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6				
67100100	MOBILIZATION	L SUM	1	1				
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	600	600				
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	48	48				
70300100	SHORT TERM PAVEMENT MARKING	FOOT	3,700	3,700				
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	7,330	7,330				
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	11	11				
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	1,000	1,000				
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	2,400	2,400				
70400100	TEMPORARY CONCRETE BARRIER	FOOT	140.0	140.0				
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	140.0	140.0				
70600240	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 2	EACH	1	1				
70600340	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 2	EACH	1	1				

* SPECIALTY ITEM
X CONSTRUCTION TYPE CODE 0042

△ 12/20/2013

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PROJECT CONTACT: Illinois Professional Design Firm # 184-001322
CLIENTS: HRGreen
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PLOT DATE = 12/19/2013	DATE - 12/19/13	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: N.T.S. SHEET NO. 3 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-03-WR	MCHENRY	120	6
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 63870	

SUMMARY OF QUANTITIES (CONTD.)

PAYCODE	ITEM DESCRIPTION	UNIT	TOTAL	MCDOT		JOHNSBURG		VILLAGE OF JOHNSBURG 100% LOCAL 0043
				ROADWAY 80% FEDERAL 20% LOCAL 0004	LIGHTING 80% FEDERAL 20% LOCAL 0021	ITEP 80% FEDERAL 20% LOCAL 0031	LIGHTING 80% FEDERAL 20% LOCAL 0021	
* 72000100	SIGN PANEL - TYPE 1	SQ FT	104	104				
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	142	142				
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	4,377	4,377				
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	490	490				
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	629	629				
78300100	PAVEMENT MARKING REMOVAL	SQ FT	1,000	1,000				
* 80400100	ELECTRIC SERVICE INSTALLATION	EACH	1		1			
* 80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1		1			
* 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	410		410			
* 81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	458		458			
* 81028710	UNDERGROUND CONDUIT, COILABLE NONMETALIC CONDUIT, 3/4" DIA.	FOOT	2,350				2,350	
* 81603050	UNIT DUCT, 600V, 3-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	1,550		1,550			
* 81603090	UNIT DUCT, 600V, 3-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	2,340				2,340	
* 81702440	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 1/0	FOOT	66		66			
* 82500350	LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 100AMP	EACH	1		1			
* 83007400	LIGHT POLE, ALUMINUM, 35 FT. M.H., 10 FT. MAST ARM	EACH	16		16			
* 83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	216		216			
* 83600352	LIGHT POLE FOUNDATION, METAL, 11 1/2" BOLT CIRCLE, 8 5/8" X 6'	EACH	16				16	
* 83800105	BREAKAWAY DEVICE, TRANSFORMER BASE, 11.5 INCH BOLT CIRCLE	EACH	16		16			
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	2	2				
* A2008020	TREE, TILIA CORDATA (LITTLE LEAF LINDEN), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	4			4		
* C2C07805	SHRUB, ROSA X KNOCK OUT (KNOCK OUT ROSE), CONTAINER GROWN, 5-GALLON	EACH	55			55		
* D2002772	EVERGREEN, PINUS NIGRA (AUSTRIAN PINE), 6' HEIGHT, BALLED AND BURLAPPED	EACH	8			8		
* K0012990	PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT	UNIT	4			4		
* X0320374	PLUG EXISTING SANITARY SEWERS	EACH	1					1
X0326414	STAMPED COLORED PORTLAND CEMENT CONCRETE MEDIAN SURFACE 8 INCH	SQ FT	2,959	2,959				
* X0326654	ORNAMENTAL LIGHT UNIT, COMPLETE	EACH	24				24	
X0327426	BRICK PAVER BANDING	SQ FT	8,693			8,693		
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	7	7				
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	17	17				
X4023000	TEMPORARY ACCESS (ROAD)	EACH	2	2				
X4240470	PORTLAND CEMENT CONCRETE SIDEWALK, 10 INCH, SPECIAL	SQ FT	663	663				

* SPECIALTY ITEM
X CONSTRUCTION TYPE CODE 0042

12/20/2013

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COMPANY NAME:
PROJECT CONTACT:



HRGreen.com
Illinois Professional Design Firm
184-001322

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PLOT SCALE = N.T.S.	CHECKED - TH	REVISED -
PLOT DATE = 12/19/2013	DATE - 12/19/13	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: N.T.S. SHEET NO. 4 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-03-WR	MCHENRY	120	7
CONTRACT NO. 63870				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

SUMMARY OF QUANTITIES (CONTD.)

PAYCODE	ITEM DESCRIPTION	UNIT	TOTAL	MCDOT		JOHNSBURG		
				ROADWAY 80% FEDERAL 20% LOCAL 0004	LIGHTING 80% FEDERAL 20% LOCAL 0021	ITEP 80% FEDERAL 20% LOCAL 0031	LIGHTING 80% FEDERAL 20% LOCAL 0021	VILLAGE OF JOHNSBURG 100% LOCAL 0043
X5090810	PEDESTRIAN RAIL (SPECIAL)	FOOT	326	326				
X6020084	MANHOLE, SPECIAL	EACH	1	1				
X6022810	MANHOLES, SANITARY, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2					2
X6061815	COMBINATION CONCRETE CURB AND GUTTER, TYPE M (SPECIAL)	FOOT	278.0	278.0				
X6062206	STAMPED COLORED PORTLAND CEMENT CONCRETE MEDIAN SURFACE 6 INCH	SQ FT	1,569	1,569				
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1				
* X7280105	TELESCOPING STEEL SIGN SUPPORT (SPECIAL)	FOOT	582	582				
* X7310110	BASE FOR TELESCOPING SIGN SUPPORT, SPECIAL	EACH	40	40				
X7810300	RECESSED REFLECTIVE PAVEMENT MARKER	EACH	38	38				
* X8950130	MODIFY EXISTING LIGHTING CONTROLLER	EACH	1		1			
Z0003850	BENCHES	EACH	3			3		
Z0013302	SEGMENTAL CONCRETE BLOCK WALL	SQ FT	586	586				
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1				
Z0017400	DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED	EACH	5	5				
Z0017700	DRAINAGE & UTILITY STRUCTURES TO BE RECONSTRUCTED	EACH	1	1				
Z0018700	DRAINAGE STRUCTURE TO BE REMOVED	EACH	15	15				
Z0022800	FENCE REMOVAL	FOOT	18	18				
Z0026407	TEMPORARY SHEET PILING	SQ FT	1,000	1,000				
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	1,000	1,000				
Z0056900	SANITARY SEWER 8"	FOOT	209					209
Z0062456	TEMPORARY PAVEMENT	SQ YD	290	290				
Z0066400	STABILIZED DRIVEWAYS 6"	SQ YD	131	131				
Z0066600	STABILIZED DRIVEWAYS 8"	SQ YD	538	538				
Z0073002	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	32	32				
X Z0076600	TRAINEES	hour	500	500				
X Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	hour	500	500				
XX001095	MAILBOX REMOVAL AND REPLACEMENT	EACH	22	22				
XX005972	STAMPED ASPHALT CROSSWALK	SQ YD	142			142		
XX006852	EXPLORATION TRENCH (SPECIAL)	CU YD	185	185				
XX007031	FRAME AND GRATE, SPECIAL	EACH	3	3				
* XX007383	FORCE MAIN TO BE ADJUSTED	EACH	2					2
* XX007797	LUMINAIRE (SPECIAL)	EACH	16		16			
XX007857	TRASH RECEPTACLE, FURNISH & INSTALL	EACH	3			3		
XX008829	REMOVAL AND DISPOSAL OF EXISTING FORCE MAIN	FOOT	50					50
XX008930	CATCH BASINS, TYPE A, 6'-DIAMETER	EACH	2	2				

* SPECIALTY ITEM
XCONSTRUCTION TYPE CODE 0042 12/20/2013

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PROJECT CONTACT: gfour1
CLIENT: HRGreen.com
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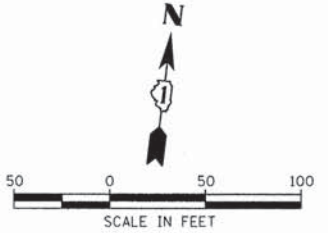
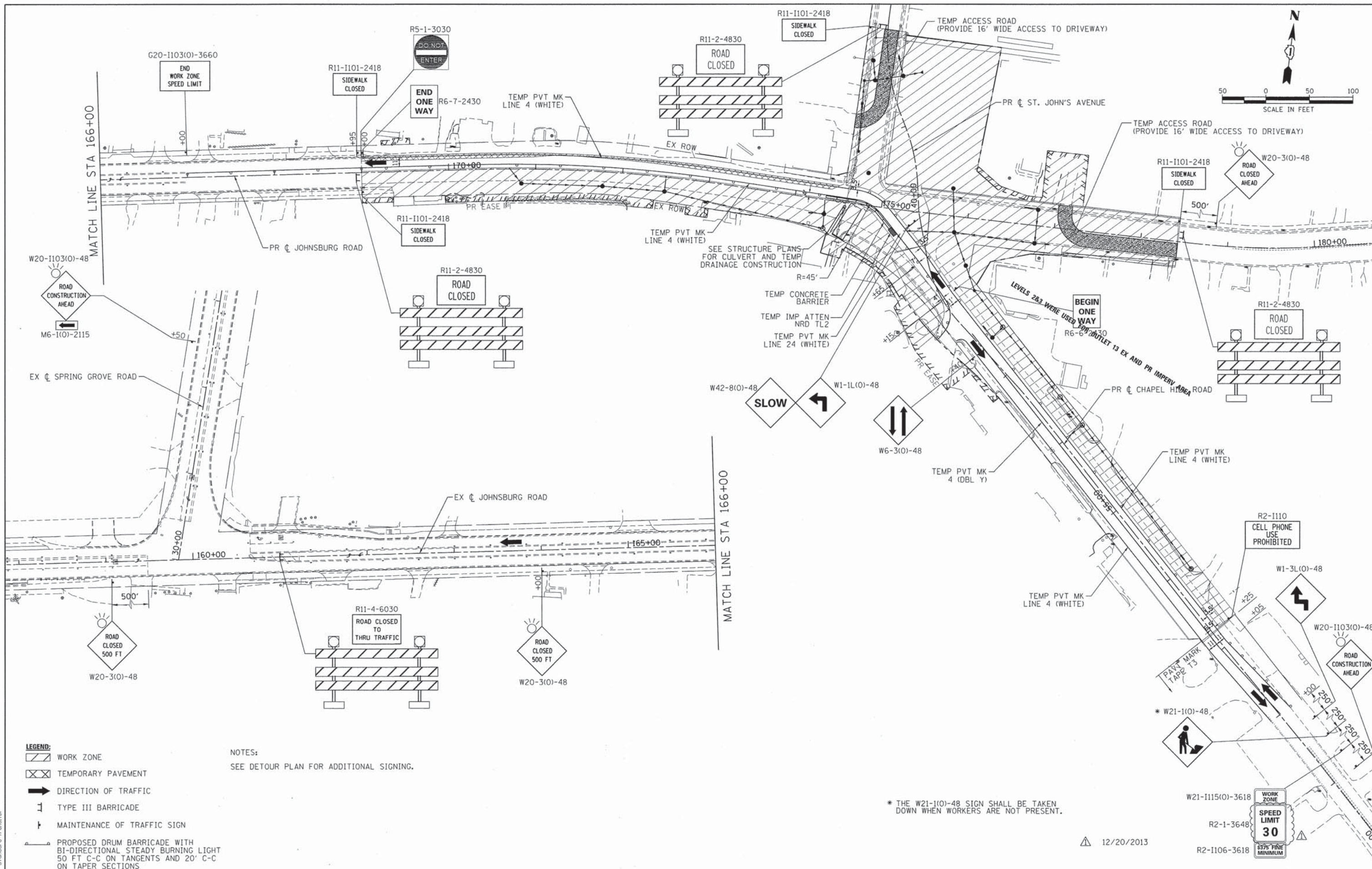


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PLOT SCALE = N.T.S.	CHECKED - TH	REVISED -
PLOT DATE = 12/19/2013	DATE - 12/19/13	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES	
SCALE: N.T.S.	SHEET NO. 5 OF 5 SHEETS
STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-03-WR	MCHENRY	120	8
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 63870	



- LEGEND:**
- WORK ZONE
 - TEMPORARY PAVEMENT
 - DIRECTION OF TRAFFIC
 - TYPE III BARRICADE
 - MAINTENANCE OF TRAFFIC SIGN
 - PROPOSED DRUM BARRICADE WITH BI-DIRECTIONAL STEADY BURNING LIGHT 50 FT C-C ON TANGENTS AND 20' C-C ON TAPER SECTIONS

NOTES:
SEE DETOUR PLAN FOR ADDITIONAL SIGNING.

* THE W21-1(0)-48 SIGN SHALL BE TAKEN DOWN WHEN WORKERS ARE NOT PRESENT.

12/20/2013

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
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 PLOT DRIVER: pdfplot
 PEN TABLE: standard-trans.tbl



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 DATE - 12/19/13

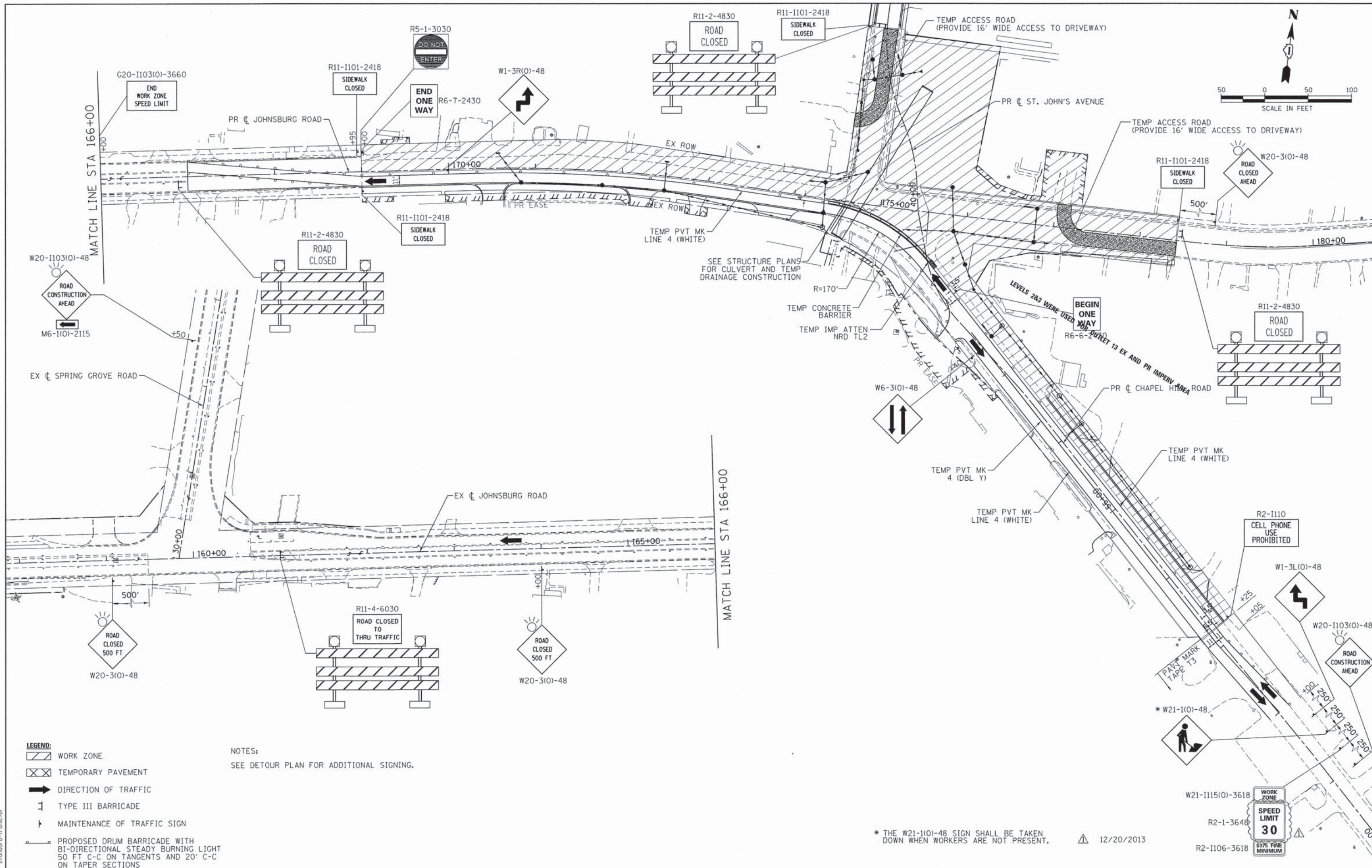
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 1
JOHNSBURG ROAD**

SCALE: 1" = 50' SHEET NO. 2 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-03-WR	MCHENRY	120	18
CONTRACT NO. 63870				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



- LEGEND:**
- WORK ZONE
 - TEMPORARY PAVEMENT
 - DIRECTION OF TRAFFIC
 - TYPE III BARRICADE
 - MAINTENANCE OF TRAFFIC SIGN
 - PROPOSED DRUM BARRICADE WITH BI-DIRECTIONAL STEADY BURNING LIGHT 50 FT C-C ON TANGENTS AND 20' C-C ON TAPER SECTIONS

NOTES:
SEE DETOUR PLAN FOR ADDITIONAL SIGNING.

* THE W21-1(0)-48 SIGN SHALL BE TAKEN DOWN WHEN WORKERS ARE NOT PRESENT. 12/20/2013

COMPANY NAME: HRGreen
 PROJECT CONTACT: gowtr
 CLIENT: HRGreen
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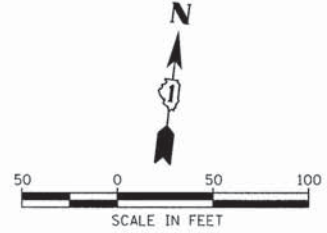
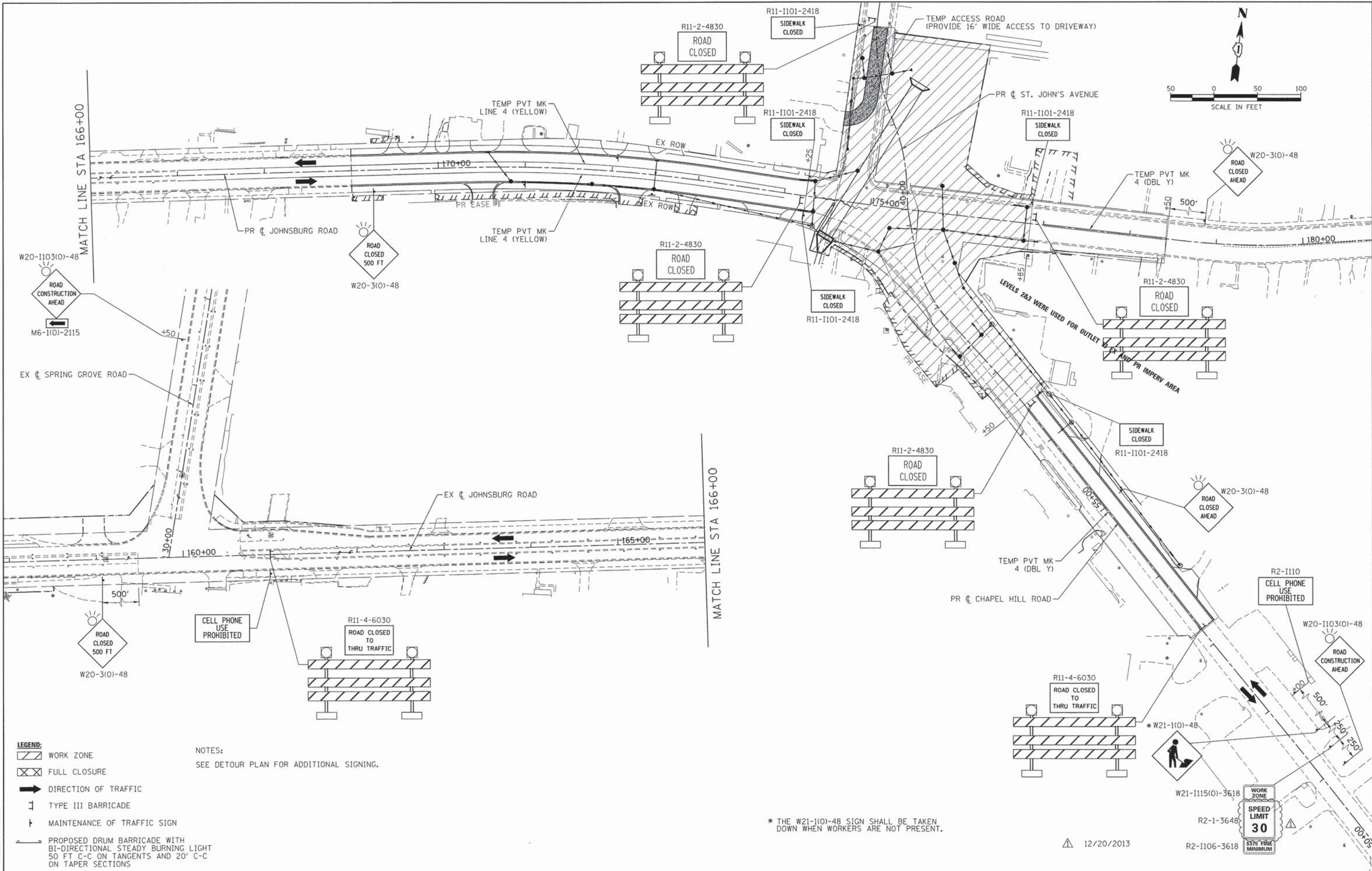


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FILE NAME = 080622-mot2-03.dgn	DRAWN -	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - TH	REVISED -
PLOT DATE = 12/19/2013	DATE - 12/19/13	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 2 JOHNSBURG ROAD			
SCALE: 1" = 50'	SHEET NO. 3 OF 3 SHEETS	STA. TO STA.	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-03-WR	MCHENRY	120	19
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63870	



- LEGEND:**
- WORK ZONE
 - FULL CLOSURE
 - DIRECTION OF TRAFFIC
 - TYPE III BARRICADE
 - MAINTENANCE OF TRAFFIC SIGN
 - PROPOSED DRUM BARRICADE WITH BI-DIRECTIONAL STEADY BURNING LIGHT 50 FT C-C ON TANGENTS AND 20' C-C ON TAPER SECTIONS

NOTES:
SEE DETOUR PLAN FOR ADDITIONAL SIGNING.

* THE W21-1(0)-48 SIGN SHALL BE TAKEN DOWN WHEN WORKERS ARE NOT PRESENT.

12/20/2013

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 CLIENT: Illinois Professional Design Firm
 DATE PLOTTED: 12/19/2013 2:10:25 PM
 FILE NAME: 080622-mot3-03.dgn
 PLOT NUMBER: 12/19/2013
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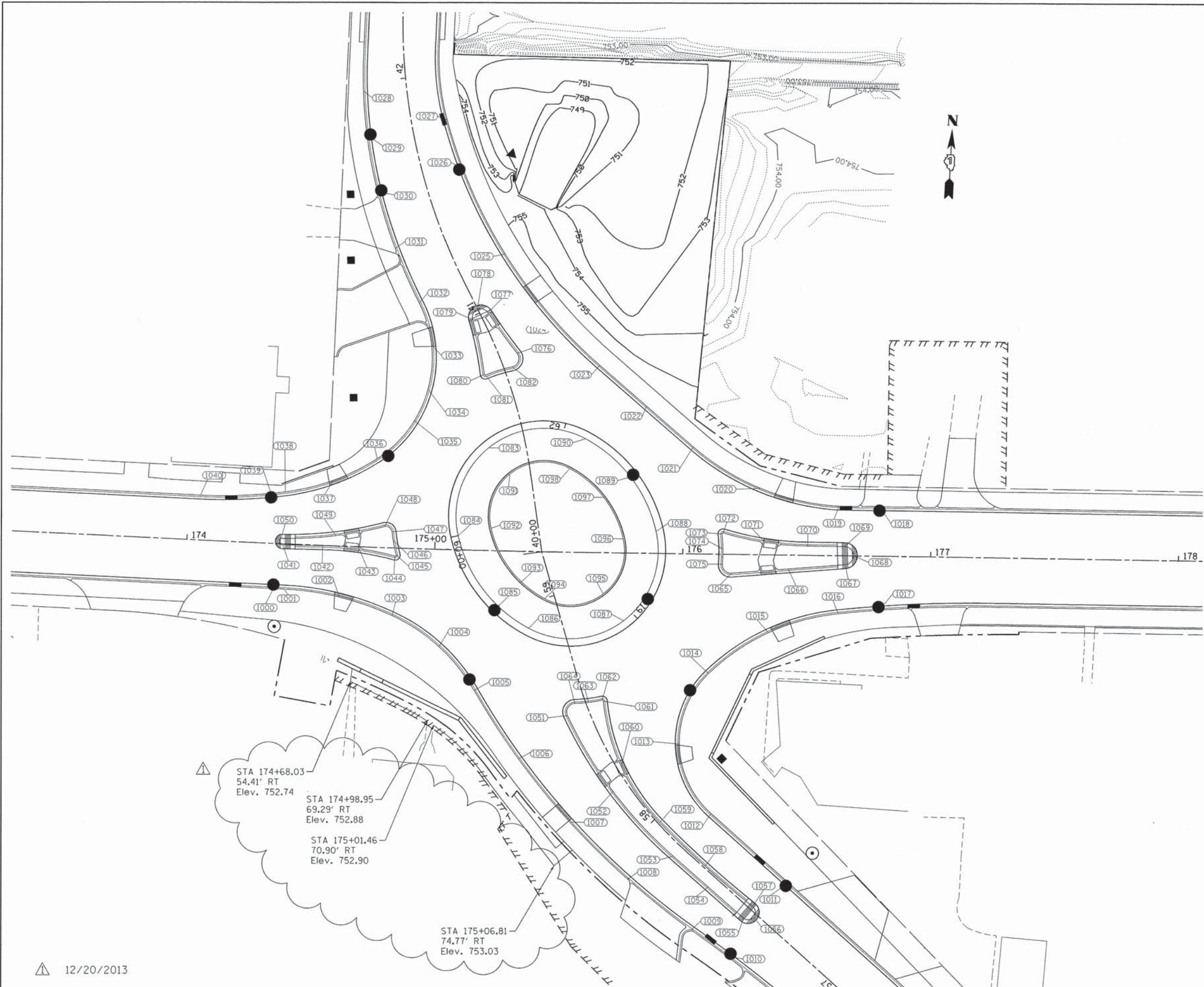
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PLOT SCALE = 1" = 50'	CHECKED - TH	REVISED -
PLOT DATE = 12/19/2013	DATE - 12/19/13	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 3
JOHNSBURG ROAD**

SCALE: 1" = 50' SHEET NO. 3 OF 3 SHEETS STA. TO STA.

F.A.U. RTE. 168	SECTION 05-00314-03-WR	COUNTY MCHENRY	TOTAL SHEETS 120	SHEET NO. 20
FED. ROAD DIST. NO. ILLINOIS		CONTRACT NO. 63870		



POINT	NORTH	EAST	ELEVATION	DESCRIPTION
1000	2081168.9214	1008851.1831	755.4982	LP
1001	2081168.9302	1008855.4238	755.3105	PC
1002	2081166.8266	1008877.8914	755.1770	MID
1003	2081160.4992	1008899.5519	754.7746	PCC
1004	2081148.9451	1008919.0618	756.0188	HP
1005	2081152.0835	1008934.0547	755.6747	PCC
1006	2081105.5584	1008953.3737	755.2155	QUARTER
1007	2081081.2373	1008975.3961	755.0310	MID
1008	2081059.4532	1008999.9309	754.8473	QUARTER
1009	2081040.3939	1009026.6432	754.6286	PCC
1010	2081030.3584	1009042.0241	754.5322	LP
1011	2081061.3282	1009064.7074	754.4230	PC
1012	2081087.6590	1009032.0696	754.9140	LP
1013	2081114.9152	1009017.8656	755.2163	MID
1014	2081143.8647	1009028.1939	756.0135	PCC, HP
1015	2081161.5431	1009051.4125	754.9582	MID
1016	2081170.7905	1009079.1212	754.5012	PT
1017	2081172.9762	1009095.5741	754.4700	LP
1018	2081214.6069	1009083.5557	754.5000	LP
1019	2081213.9885	1009077.1914	754.5396	PC
1020	2081219.4764	1009045.4900	755.3092	MID
1021	2081234.8951	1009017.2523	755.7885	PT
1022	2081250.3233	1008997.5358	756.0889	HP
1023	2081265.7516	1008977.8192	755.7780	PC
1024	2081285.5696	1008956.0386	755.4049	QUARTER
1025	2081308.3930	1008937.4310	754.9318	MID
1026	2081341.8664	1008918.4948	754.4184	LP
1027	2081361.0240	1008911.1969	754.4854	PCC
1028	2081371.1074	1008876.8793	754.5149	PC
1029	2081353.3519	1008879.2221	754.3828	QUARTER
1030	2081330.8949	1008884.6493	754.3478	LP
1031	2081308.3087	1008893.0200	754.0176	QUARTER
1032	2081286.7973	1008903.8581	754.5746	PCC
1033	2081270.1073	1008909.7398	755.3550	QUARTER
1034	2081252.4186	1008909.2314	755.8455	MID
1035	2081239.4894	1008904.4323	756.2941	HP
1036	2081223.3143	1008890.1602	755.8148	PCC
1037	2081213.6365	1008872.9002	755.1498	MID
1038	2081208.0396	1008853.9202	755.4887	PCC
1039	2081207.1178	1008848.2098	755.4778	LP
1040	2081205.0226	1008819.8593	756.0199	PT
1041	2081186.6834	1008854.0085	755.8165	PT
1042	2081187.1777	1008870.0546	755.5267	PC
1043	2081186.7353	1008884.8142	755.6256	MID
1044	2081184.5069	1008899.4113	755.7179	PCC
1045	2081185.0408	1008899.8966	755.7110	PCC
1046	2081190.7446	1008896.3818	755.7196	MID
1047	2081194.2519	1008897.7340	755.7486	PCC
1048	2081196.1878	1008894.6212	755.7543	PCC
1049	2081191.7499	1008874.2330	755.5812	MID
1050	2081189.2750	1008853.1801	755.8279	PCC
1051	2081123.8863	1008872.2266	755.3726	PCC
1052	2081094.4674	1008992.1777	755.0542	MID
1053	2081069.6489	1009017.7403	754.7473	PT
1054	2081057.9541	1009032.5708	754.5835	MID
1055	2081046.2630	1009047.3968	754.6003	PC
1056	2081046.8962	1009051.5826	754.5558	MID
1057	2081051.0736	1009050.8531	754.6064	PCC
1058	2081066.3028	1009030.8193	754.6493	MID
1059	2081082.8911	1009011.6332	754.9581	PCC
1060	2081104.5780	1008994.9464	755.3010	MID
1061	2081130.5626	1008986.3692	755.6748	PCC
1062	2081130.9028	1008985.8487	755.7005	PCC
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1067	2081190.5538	1009080.8721	754.9618	PC
1068	2081194.4775	1009084.0515	754.9906	MID
1069	2081197.8265	1009080.2716	754.8607	PT
1070	2081197.2545	1009065.3584	754.7224	PC
1071	2081197.8165	1009048.1301	755.1388	MID
1072	2081200.8093	1009031.1543	755.5759	PCC
1073	2081200.3373	1009030.6415	755.6058	PCC
1074	2081194.3196	1009031.3260	755.6362	MID
1075	2081188.2637	1009031.4161	755.6242	PCC
1076	2081268.7209	1008944.2914	755.4575	PCC
1077	2081284.3893	1008931.6696	755.5520	PCC
1078	2081285.3893	1008927.3097	754.5091	MID
1079	2081281.1977	1008925.7030	755.5597	PCC
1080	2081259.5628	1008931.4732	755.7097	PCC
1081	2081259.2573	1008932.0638	755.7721	PCC
1082	2081263.1562	1008942.6189	755.7737	PCC
1083	2081230.0839	1008934.8610	756.6326	HP
1084	2081194.0464	1008924.4232	756.4183	PCC
1085	2081166.4896	1008942.0259	756.2436	LP
1086	2081158.2484	1008954.7687	756.3231	PCC
1087	2081163.3283	1008992.8615	756.5433	HP
1088	2081200.0148	1009004.0359	756.3236	PCC
1089	2081221.4257	1008992.5725	756.1947	LP
1090	2081235.8087	1008973.6916	756.3496	PCC
1091	2081219.9815	1008943.9405	757.3276	MID
1092	2081197.7326	1008937.4964	757.1133	PCC
1093	2081176.8012	1008950.8671	756.9386	MID
1094	2081170.5413	1008960.5465	757.0181	PCC
1095	2081173.6775	1008984.0643	757.2383	MID
1096	2081196.3270	1008990.9631	757.0186	PCC
1097	2081212.5906	1008982.2556	756.8897	MID
1098	2081223.5158	1008967.9138	757.0446	PCC

STA 174+68.03
 54.41' RT
 Elev. 752.74

 STA 174+98.95
 69.29' RT
 Elev. 752.88

 STA 175+01.46
 70.90' RT
 Elev. 752.90

 STA 175+06.81
 74.77' RT
 Elev. 753.03



COMPANY NAME: HRGreen.com
 PROJECT CONTACT: Illinois Professional Design Firm
 CLIENT: # 184-001322
 DATE PLOTTED: 12/19/2013 2:02:32 PM
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 PLOT SCALE: 1" = 20'
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12/20/2013

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PLOT DATE = 12/19/2013	DATE - 12/19/13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

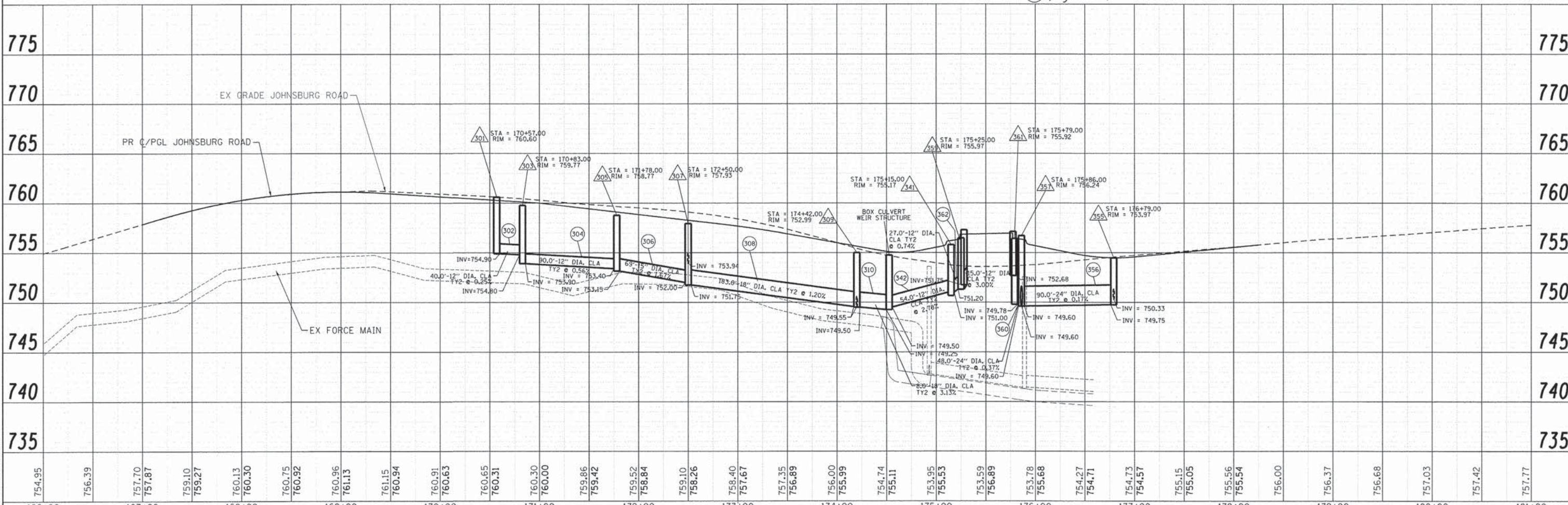
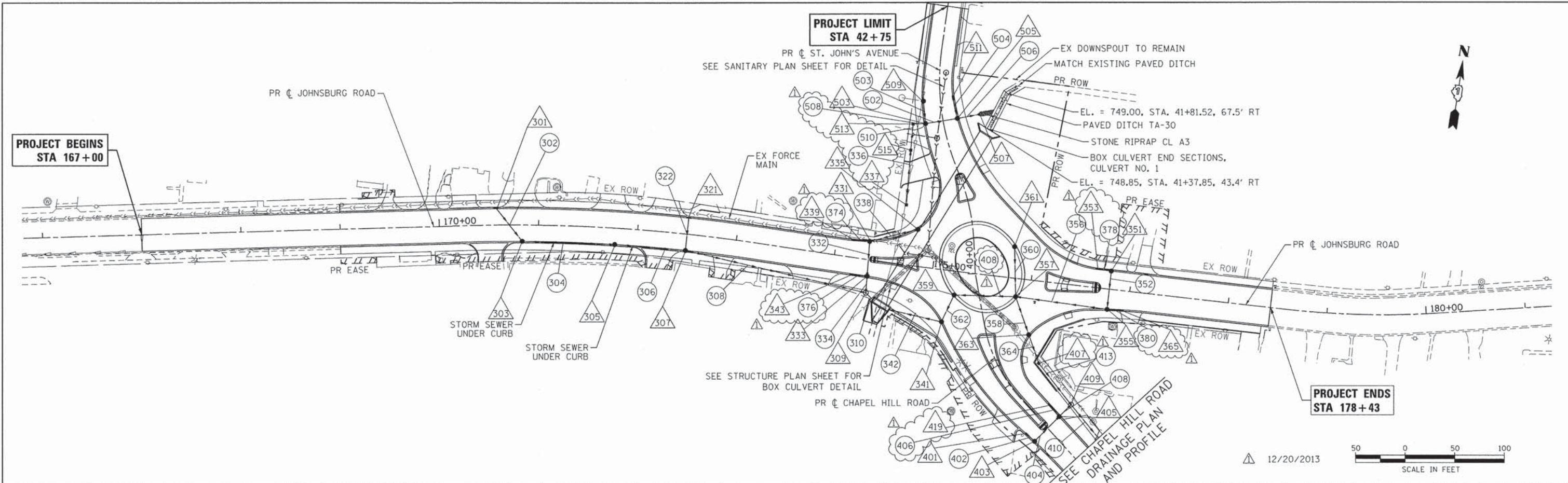
INTERSECTION GRADING PLAN
JOHNSBURG ROAD ROUNDABOUT
 SCALE: 1" = 20' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.	SHEET NO.
168	05-00314-03-WR	MCHENRY	120	27
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 63870	

PLAN	REVISIONS	DATE
NO.	PLOTTED	
NO.	ALIGNED	
NO.	CHECKED	
NO.	FILE NAME	

PROFILE	REVISIONS	DATE
NO.	PLOTTED	
NO.	GRADES CHECKED	
NO.	E.M. NOTED	
NO.	STRUCTURE	

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: Illinois Professional Design Firm #164-01322
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754.95	756.39	757.70	757.87	759.10	759.27	760.13	760.30	760.75	760.92	760.96	761.13	761.15	760.94	760.91	760.63	760.65	760.31	760.30	760.00	759.86	759.42	759.52	758.84	759.10	758.26	758.40	757.67	757.35	756.89	756.00	755.99	754.74	755.11	753.95	755.53	753.59	756.89	753.78	755.68	754.27	754.71	754.73	754.57	755.15	755.05	755.56	755.54	756.00	756.37	756.68	757.03	757.42	757.77

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PLOT DATE = 12/19/2013	DATE - 12/19/13	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITY PLAN AND PROFILE
JOHNSBURG ROAD**

SCALE: 1" = 50' SHEET NO. 1 OF 3 SHEETS STA. TO STA.

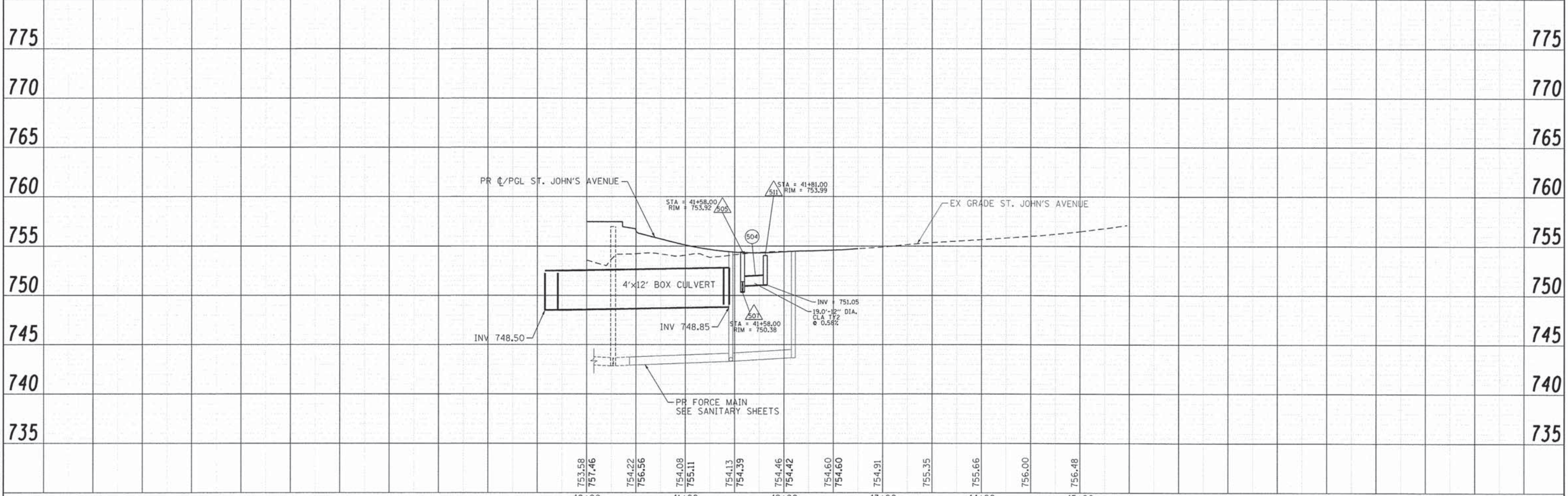
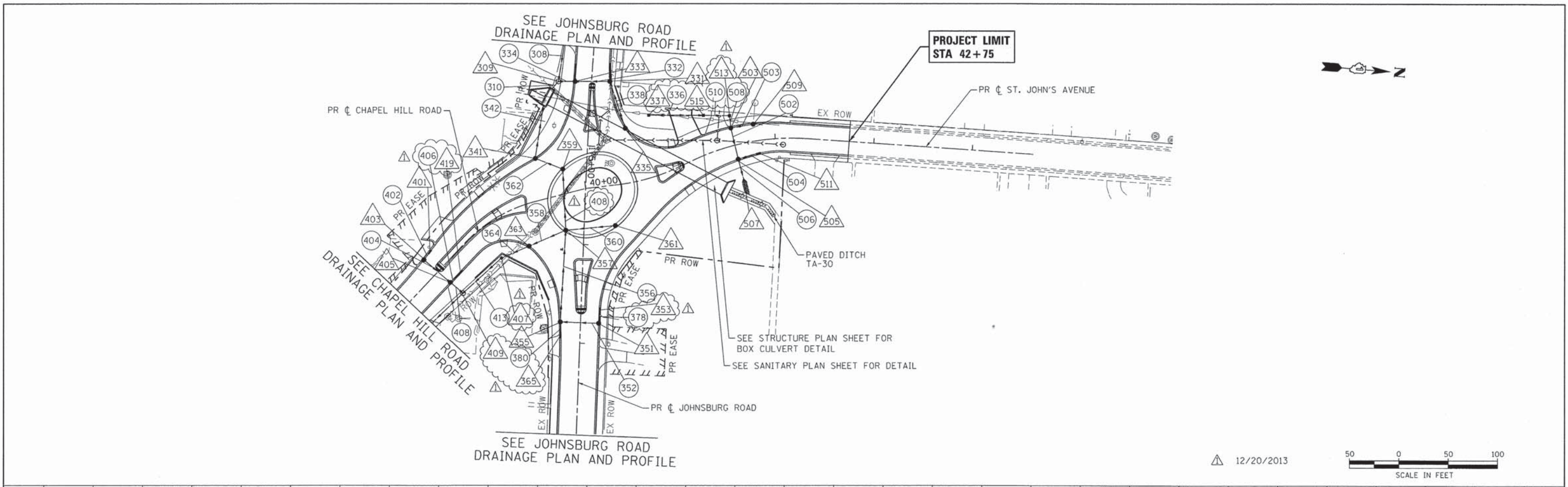
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-03-WR	MCHENRY	120	29
CONTRACT NO. 63870			ILLINOIS FED. AID PROJECT	

PLAN	REVISIONS	DATE
	NO. 8008	
	ALIGNED CHECKED	
	FILE NAME	

PROFILE	REVISIONS	DATE
	NO. 8008	
	GRADES CHECKED	
	STRUCTURE	
	STATUS CHRD	

12/19/2013 2:00:50 PM
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COMPANY NAME:
PROJECT CONTACT:

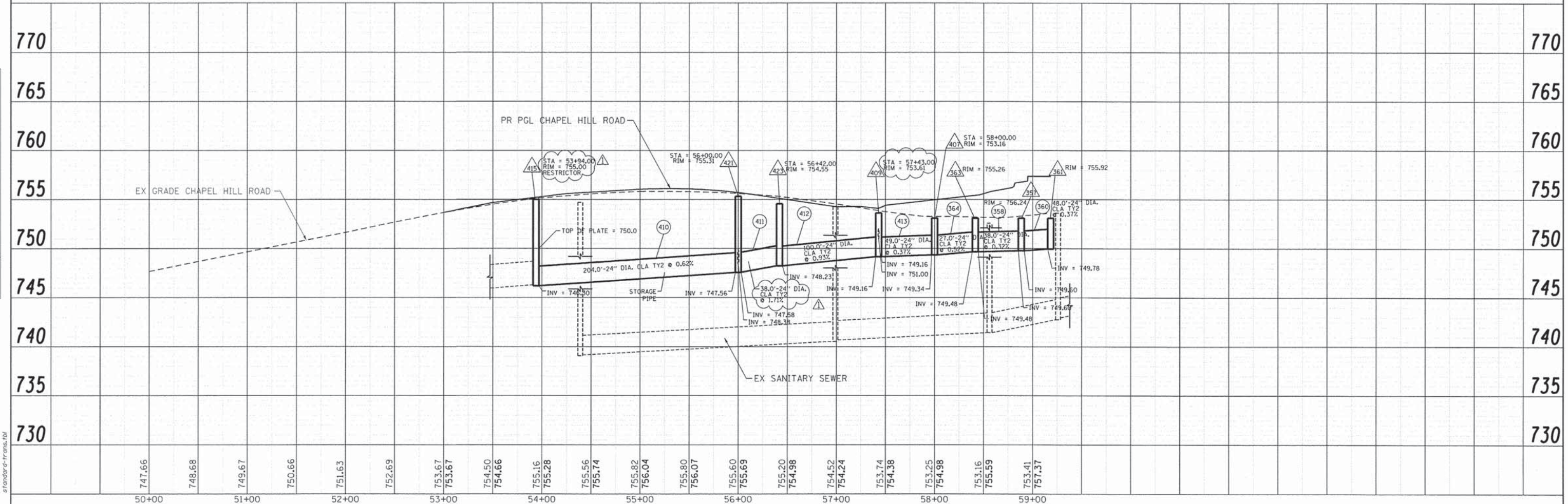
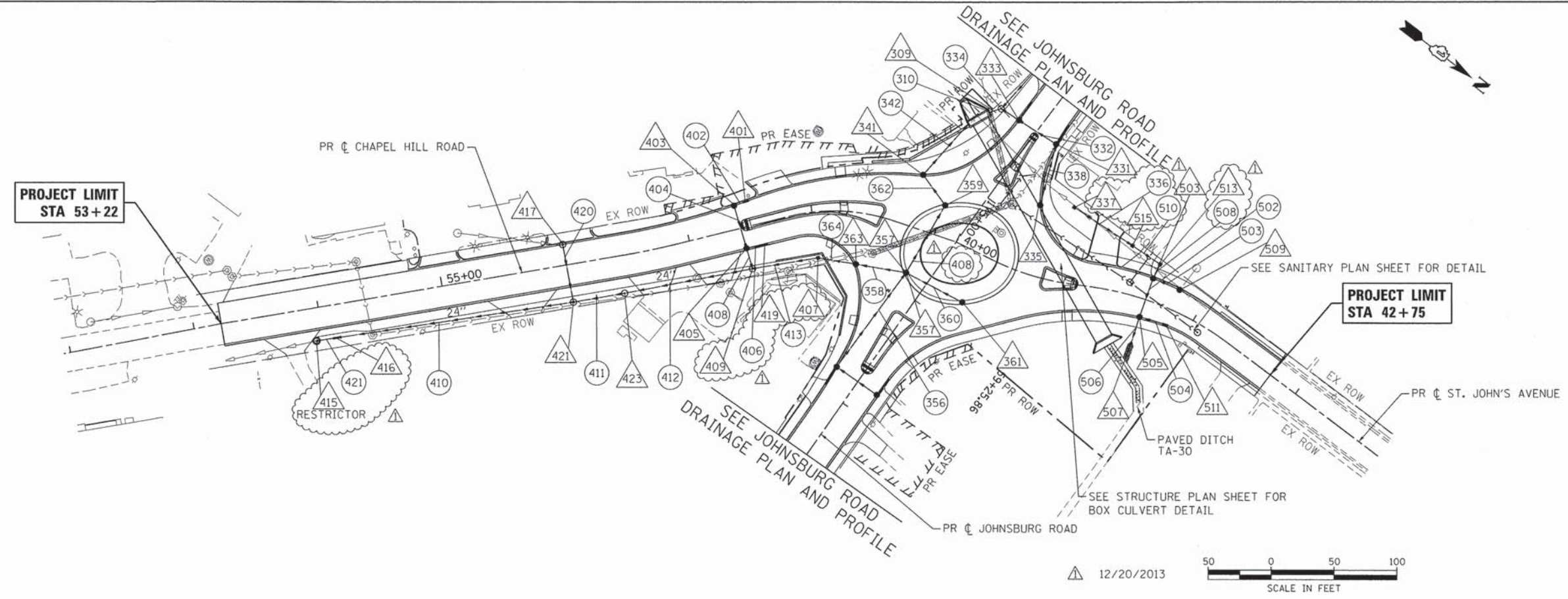


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					SCALE: 1" = 50' SHEET NO. 2 OF 3 SHEETS STA. TO STA.			FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT		

DATE	
BY	
REVISIONS	
NO.	
PLAN	
NO.	
NOTE BOOK	
NO.	
FILE NAME	

DATE	
BY	
REVISIONS	
NO.	
PROFILE	
NO.	
NOTE BOOK	
NO.	
FILE NAME	

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 DATE PLOTTED: 12/19/2013 2:02:58 PM
 FILE NAME: 080622-dpp-10.dgn
 PLOT DRIVER: pdf24t
 PEN TABLE: s:\font\dr-trans.tbl



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DRAINAGE STRUCTURE SCHEDULE

STRUCTURE NUMBER	STATION	OFFSET (FT)	STRUCTURE TYPE					DIA. (FT.)	FRAME & GRATE	INVERTS							RESTRICTOR ELEVATION 2-YR	RESTRICTOR ELEVATION 100-YR	TOP PLATE ELEVATION	RIM ELEVATION		
			MH TYPE A	CB TYPE A	INL TYPE A	CB TYPE C	FES			CB TYPE B	FIB	NORTH	NORTHWEST	WEST	SOUTHWEST	SOUTH					SOUTHEAST	EAST
JOHNSBURG ROAD																						
301	170+57.00	-16.5			1			2	T11						754.90			760.60				
303	170+83.00	16.5		1				4	T11		754.72					753.90		759.77				
305	171+78.00	16.5		1				4	T11			753.40				753.15		758.77				
307	172+50.00	16.5		1				5	T11	753.94		752.00				751.75		757.93				
309	174+37.00	33.4	1					6	T1CL		749.55	749.55			749.50		752.99					
321	172+50.00	-16.5			1			2	T11					754.59			758.59					
331	174+33.15	-18.5		1				4	T11			750.09		750.04		750.04	754.98					
333	174+35.61	16.6		1				4	T11	749.85		749.85					755.01					
335	174+79.37	-37.1		1				4	T11			750.20					755.41					
337	174+33.05	-60.0					1			749.84							753.50					
339	174+23.00	-17.7			1			2	T8						750.14		754.98					
341	175+15.00	52.2		1				5	T11			749.50			749.50		755.17					
343	174+25.00	17.3			1			2	T11						749.95		755.01					
351	176+79.00	-18.4				1		2	T11			750.50		750.50			754.00					
353	176+69.00	-19.1			1			2	T11						750.60		754.00					
355	176+79.00	20.5		1				5	T11	750.33		749.75			750.33		753.97					
357	175+86.00	18.0		1				6	**		749.60	750.80			749.60		756.24					
359	175+25.00	23.9		1				4	**				750.05		750.05		755.97					
361	175+79.00	-31.6		1				6	**					749.78			755.92					
363	176+04.00	55.0						5	T11		749.48				749.48		755.26					
365	176+89.00	19.7			1			2	T11			750.48					753.97					
BOX	174+52.55	47.3									749.25	750.48		748.50	749.00		753.00					
CHAPEL HILL ROAD																						
401	57+51.00	-19.6			1			2	T11						750.13		754.13					
403	57+41.03	-18.7		1				4	T11		750.08					750.08	754.03					
405	57+43.00	16.5		1				4	T11		749.70				749.70		753.92					
407	58+00.00	36.5					1				749.34				749.34		752.75					
409	57+43.00	33.4	1					5	T1CL		749.16		749.66		749.16		753.61					
415	53+94.00	26.0	1					7	2-T1CL		746.30 (24") 751.90 (12")				746.30-EX	746.30-15" 747.80-18"	750.00 755.00					
416	54+10.00	26.0			1			2	T8						752.00		754.5					
417	56+00.00	-16.5	1					5	T11						752.90-EX	749.00	755.36					
419	57+33.00	17.3			1			2	T11						749.80		753.92					
421	56+00.00	30.0	1					5	T1OL		747.58		748.38		747.56		755.31					
423	56+42.00	30.0	1					5	T1OL		748.23				748.23		754.55					
ST. JOHN'S AVENUE																						
503	41+58.00	-17.9		1				5	T11	749.90		749.60				749.60		753.85				
505	41+58.00	14.6		1				5	T11	750.38		749.54				749.54		753.92				
507	41+58.00	36.7									1-30"	749.50										
509	41+80.00	-17.2		1				5	T11			750.55-EX-8"		749.96			753.88					
511	41+81.00	12.8			1			2	T11					750.49			753.99					
513	41+60.40	-30.3					1		T7					749.62	749.62		753.50					
515	41+38.30	-38.7								749.67				749.67			753.50					
TOTALS:			6	17	10	1	1	1	3													

• T11 (WITHOUT CURBBOX-NEENAH R-3246-1)
 •• T11 FRAME AND GRATE, SPECIAL-SEE DETAIL ON PLAN SHEET 100 AND SPECIFICATIONS FOR DETAILS
 FIB = FLUSH INLET BOX (FRAME & GRATE INCLUDED)

12/20/2013

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: 12/19/2013 2:16:02 PM
 CLIENT: 080622-dsch-02.dgn
 DATE PLOTTED: 12/19/2013 2:16:02 PM
 FILE NAME: 080622-dsch-02.dgn
 PLOT SCALE: N.T.S.
 PEN TABLE: standard-frames.tbl

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	SCALE: N.T.S. SHEET NO. 1 OF 2 SHEETS STA. TO STA.						

STORM SEWER SCHEDULE

PIPE NO.	FROM STRUCT.	TO STRUCT.	STORM SEWER, CLASS A, TYPE 2					SLOPE (%)	TBF (CY)
			12"	15"	18"	24"	30"		
JOHNSBURG ROAD									
302	301	303	40					0.44%	11.20
304	303	305	90					0.56%	27.00
306	305	307		69				1.67%	22.80
308	307	309			183			1.20%	131.80
310	309	WEIR STR.			8			3.13%	0.90
322	321	307	31					2.10%	4.10
332	331	333	32					0.59%	7.60
334	333	309	13					2.31%	5.00
336	337	515				51		0.33%	21.00
338	335	331	47					0.33%	11.10
342	341	WEIR STR.			54			0.52%	16.60
352	351	355	37					0.46%	4.90
356	355	357				90		0.17%	25.30
358	357	363				38		0.32%	14.60
360	361	357				48		0.37%	19.80
362	359	341			27			0.74%	4.70
364	363	407				27		0.52%	4.80
365	357	359			58			1.29%	21.00
374	339	331	10					0.91%	1.70
376	343	333	10					0.91%	1.70
378	353	351	10					0.91%	1.70
380	365	355	15					1.36%	1.70
406	419	405	10					0.91%	1.70
CHAPEL HILL ROAD									
402	401	403	8					0.62%	1.10
404	403	405	32					0.44%	4.30
408	405	409			13			0.31%	4.50
410	421	415				204		0.62%	288.90
411	423	421				38		1.71%	46.10
412	409	423				103		0.93%	74.50
413	407	409				49		0.37%	41.50
420	417	421		43				1.55%	33.50
421	416	415	12					0.83%	5.00
ST. JOHN'S AVENUE									
502	503	505					30	1.00%	4.00
503	509	503			20			0.30%	2.70
504	511	505	19					0.58%	2.60
506	505	507					18	0.28%	2.40
508	513	503					9	0.22%	2.00
510	515	513				24		0.21%	10.30
TOTALS:			416	112	363	672	57		886.10

△ 12/20/2013

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 CLIENT: 12/19/2013 2:10:05 PM
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 PLOT NAME: 080622-dsch-03.dgn
 PLOT DRIVER: pdf24t
 PEN TABLE: standard-trans.tbl



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 PLOT DATE = 12/19/2013

DESIGNED - JRM
 DRAWN - JPA
 CHECKED - TH
 DATE - 12/19/13

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DRAINAGE SCHEDULE OF QUANTITIES
 JOHNSBURG ROAD RECONSTRUCTION**

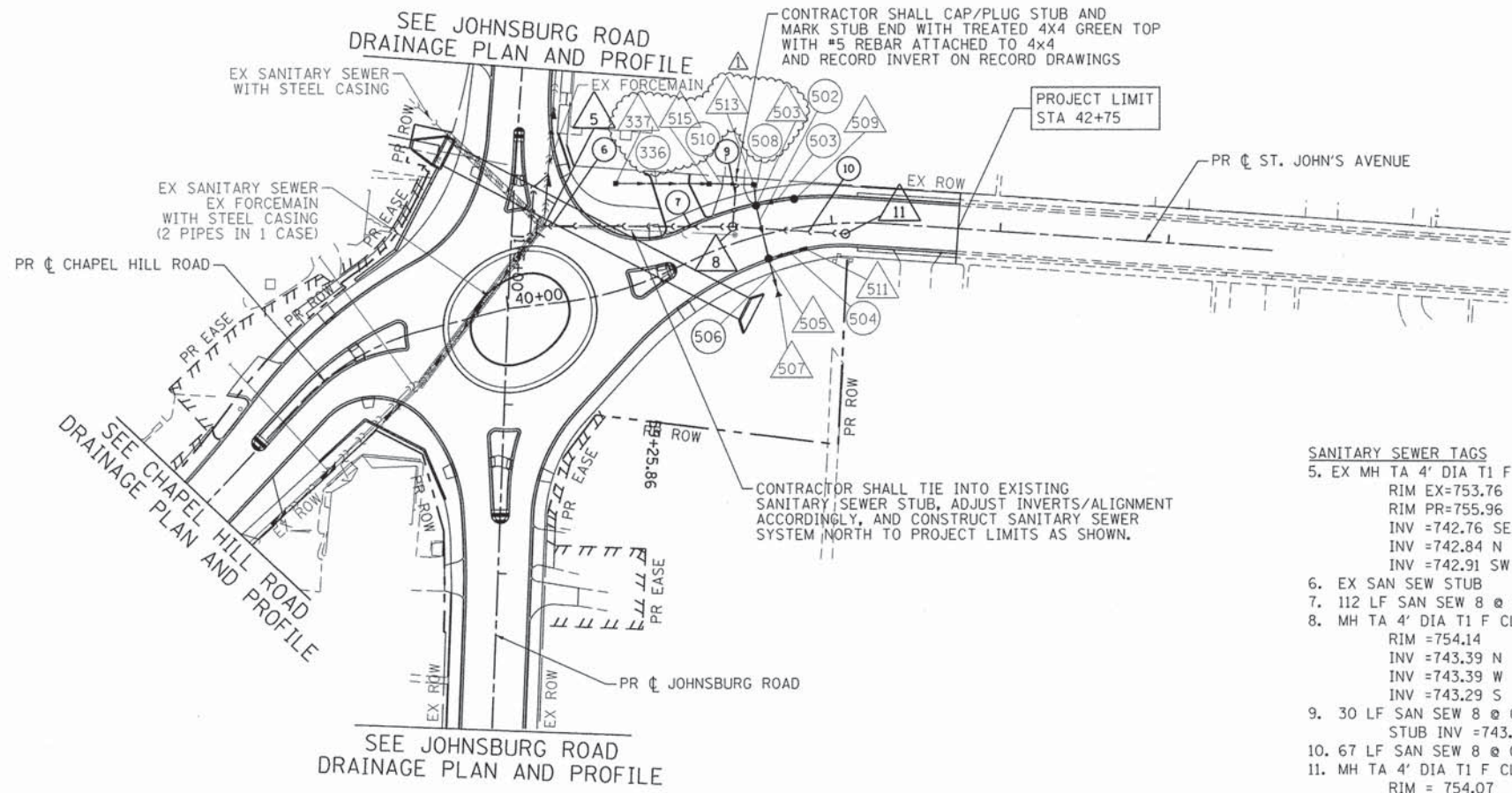
SCALE: N.T.S. SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-03-WR	MCHENRY	120	33
CONTRACT NO. 63870			ILLINOIS FED. AID PROJECT	

PLAN	DESIGNED	DATE
	CHECKED	
	BY	
	NO.	

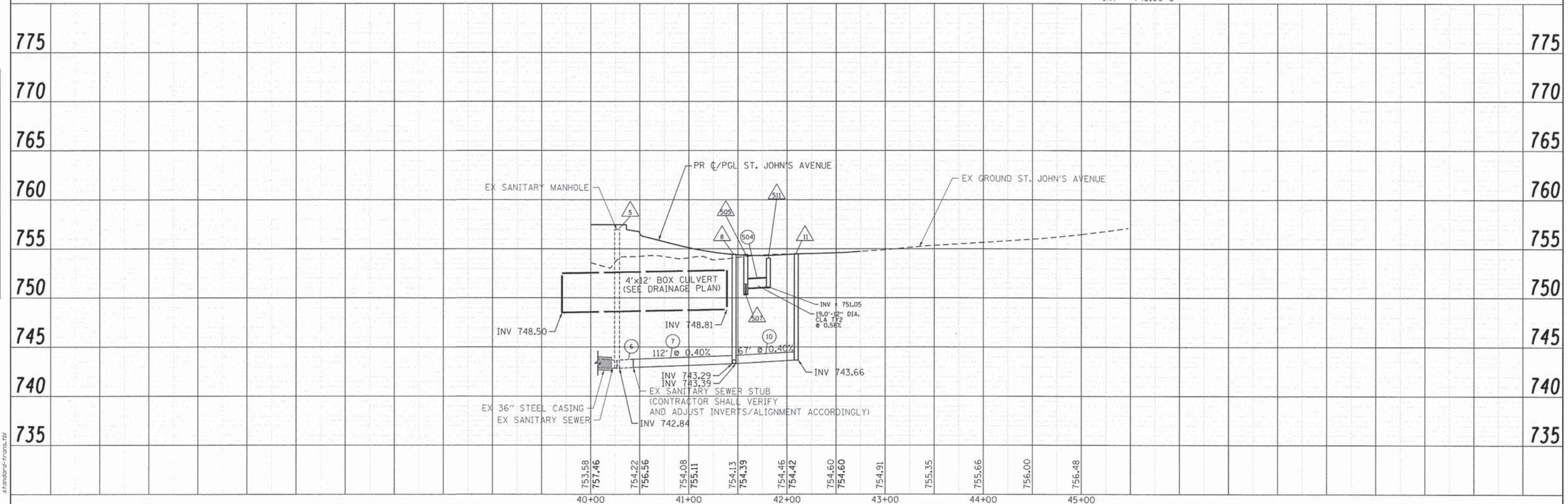
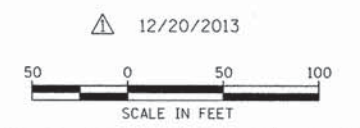
PROFILE	DESIGNED	DATE
	CHECKED	
	BY	
	NO.	

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 CLIENT: Illinois Professional Design Firm
 DATE PLOTTED: 12/19/2013 2:16:16 PM
 FILE NAME: 080622-ssp-03.dgn
 PLOT DRIVER: pdf.plt
 PEN TABLE: s:\standard\francis.tbl



- GENERAL NOTES/SEQUENCING
1. CONTRACTOR TO FOLLOW VILLAGE DETAILS FOR INSTALLATION OF GRAVITY SEWER.
 2. GRAVITY SANITARY SEWER PIPE SDR-26 PER ASTM D-3034. JOINTS BELL AND SPIGOT WITH ELASTOMERIC SEALS PER ASTM D-3212.

- SANITARY SEWER TAGS
- 5. EX MH TA 4' DIA T1 F CL
RIM EX=753.76
RIM PR=755.96
INV =742.76 SE
INV =742.84 N
INV =742.91 SW
 - 6. EX SAN SEW STUB
 - 7. 112 LF SAN SEW 8 @ 0.40%
RIM =754.14
INV =743.39 N
INV =743.39 W
INV =743.29 S
 - 8. MH TA 4' DIA T1 F CL
RIM =754.14
INV =743.39 N
INV =743.39 W
INV =743.29 S
 - 9. 30 LF SAN SEW 8 @ 0.40%
STUB INV =743.50
 - 10. 67 LF SAN SEW 8 @ 0.40%
RIM = 754.07
INV = 743.66 S
 - 11. MH TA 4' DIA T1 F CL
RIM = 754.07
INV = 743.66 S



USER NAME = gfouris	DESIGNED - JPA	REVISED -
FILE NAME = 080622-ssp-03.dgn	DRAWN - JPA	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - JV	REVISED -
PLOT DATE = 12/19/2013	DATE - 12/19/13	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SANITARY SEWER PLAN
 ST. JOHN'S AVENUE

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-03-WR	MCHENRY	120	35
CONTRACT NO. 63870				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PART OF THE NE 1/4 OF SEC. 13, TWP. 45 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT SQUARE FEET	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1HK0036T.E.-A 1HK0036T.E.-B	McHenry State Bank as Trustee under Trust Agreement dated March 12, 1996 known as Trust No. 13143	4.180	N/A	N/A	4.180	A=0.007 B=0.043	324 N/A	Grading Construction Purposes	09-13-253-007 09-13-253-008 09-13-253-009	
1HK0037T.E.	Edward G. Schullen as Trustee under the Declaration of Trust dated September 16, 1993 known as the Edward G. Schullen Living Trust	0.267	N/A	N/A	0.267	0.005	209	Construction Purposes	09-13-252-021	

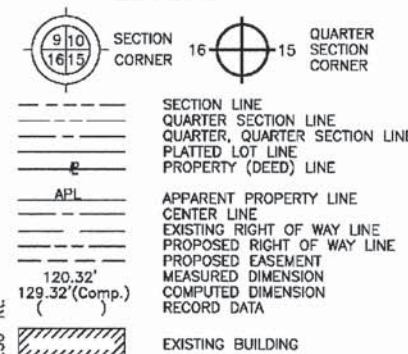
Existing & Proposed Pavement Johnsburg Road Curve #3

P.I. = Sta. 171+76.08
 Δ = 10°05'24"
 R = 1641.91'
 T = 144.95'
 L = 289.15'
 E = 6.39'
 P.C. = Sta. 170+31.13
 P.T. = Sta. 173+20.28

Parcel	Document No.	Date Recorded
1HK0036	100416	January 26, 1932
1HK0036	100418	January 26, 1932

12/20/2013

LEGEND



Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2007) East Zone.

- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T2
- T3
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT2
- BT3
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
 COUNTY OF LAKE } SS
 THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 13, TOWNSHIP 45N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.
 DATED AT LAKE VILLA, ILLINOIS THIS ____ DAY OF ____ 20__ A.D.

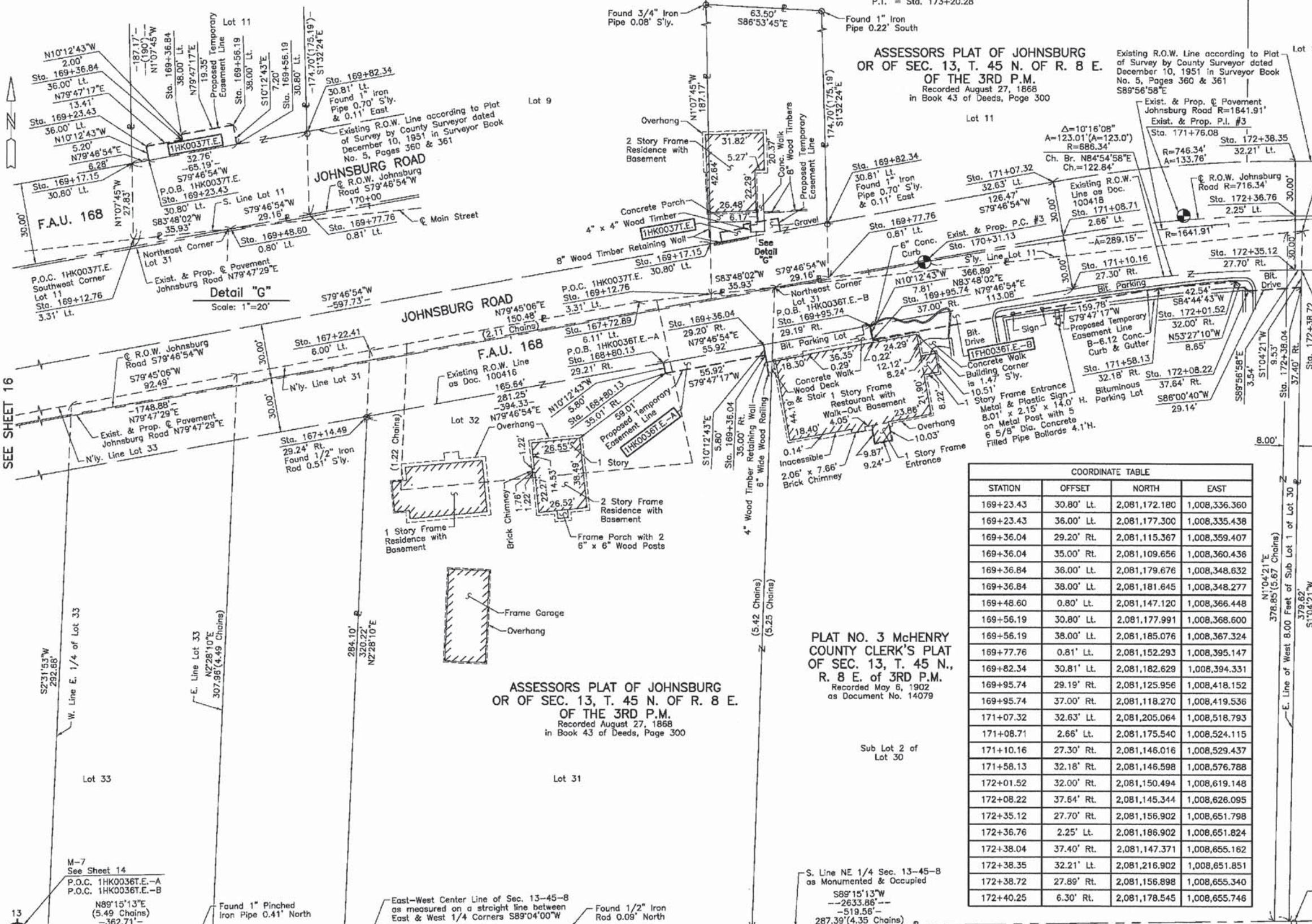
PRESIDENT
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2010
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
 Note: Surface Coordinates are Shown

STATION	OFFSET	NORTH	EAST
167+14.49	29.24' RL	2,081,076.064	1,008,141.364
167+22.41	6.00' Lt.	2,081,112.151	1,008,142.921
168+72.89	6.11' Lt.	2,081,138.924	1,008,290.998
168+80.13	29.21' RL	2,081,105.448	1,008,304.378
168+80.13	35.01' RL	2,081,099.743	1,008,305.405
169+12.76	3.31' Lt.	2,081,143.240	1,008,330.728
169+17.15	30.80' Lt.	2,081,171.066	1,008,330.180

JORGENSEN & ASSOCIATES, INC.
 120 PARK AVENUE
 LAKE VILLA, ILLINOIS 60046 SHEET 1 IS A COVER
 (847) 356-3371 SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.U. 168 (JOHNSBURG ROAD)
 SECTION 05-00314-00-WR McHENRY COUNTY PROJECT
 JOB NO. R-91-005-06
 STATION 164+00 TO STATION 173+00
 SCALE: 1"=30'

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196
 AS DOCUMENT NO.



STATION	OFFSET	NORTH	EAST
169+23.43	30.80' Lt.	2,081,172.180	1,008,336.360
169+23.43	36.00' Lt.	2,081,177.300	1,008,335.438
169+36.04	29.20' RL	2,081,115.367	1,008,359.407
169+36.04	35.00' RL	2,081,109.656	1,008,360.436
169+36.84	36.00' Lt.	2,081,179.676	1,008,348.632
169+36.84	38.00' Lt.	2,081,181.645	1,008,348.277
169+48.60	0.80' Lt.	2,081,147.120	1,008,366.448
169+56.19	30.80' Lt.	2,081,177.991	1,008,368.600
169+56.19	38.00' Lt.	2,081,185.076	1,008,367.324
169+77.76	0.81' Lt.	2,081,152.293	1,008,395.147
169+82.34	30.81' Lt.	2,081,182.629	1,008,394.331
169+95.74	29.19' RL	2,081,125.956	1,008,418.152
169+95.74	37.00' RL	2,081,118.270	1,008,419.536
171+07.32	32.63' Lt.	2,081,205.064	1,008,518.793
171+08.71	2.66' Lt.	2,081,175.540	1,008,524.115
171+10.16	27.30' RL	2,081,146.016	1,008,529.437
171+58.13	32.18' RL	2,081,146.598	1,008,576.788
172+01.52	32.00' Rt.	2,081,150.494	1,008,619.148
172+08.22	37.64' Rt.	2,081,145.344	1,008,626.095
172+35.12	27.70' RL	2,081,156.902	1,008,651.798
172+36.76	2.25' Lt.	2,081,186.902	1,008,651.824
172+38.04	37.40' Rt.	2,081,147.371	1,008,655.162
172+38.35	32.21' Lt.	2,081,216.902	1,008,651.851
172+38.72	27.89' RL	2,081,156.898	1,008,655.340
172+40.25	6.30' Rt.	2,081,178.545	1,008,655.746

PLAT NO. 3 McHENRY COUNTY CLERK'S PLAT OF SEC. 13, T. 45 N., R. 8 E. OF 3RD P.M. Recorded May 5, 1902 as Document No. 14079

ASSESSORS PLAT OF JOHNSBURG OR OF SEC. 13, T. 45 N. OF R. 8 E. OF THE 3RD P.M. Recorded August 27, 1868 in Book 43 of Deeds, Page 300

REVISION DATE

REVISION

MADE BY

COMPANY NAME: JORGENSEN & ASSOCIATES, INC.
 PROJECT CONTACT: JORGENSEN & ASSOCIATES, INC.
 DATE PLOTTED: 12/19/2013 2:02:07 PM
 FILE NAME: 090622-p001-18.dgn
 PLOT DRIVER: p001.drv
 PEN TABLE: standard.ctb

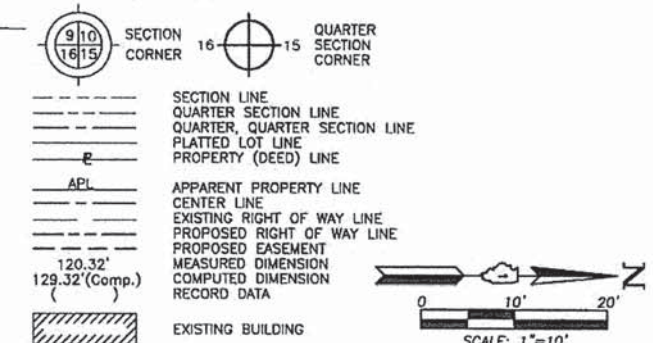
PART OF THE NE 1/4 OF SEC. 13, TWP. 45 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

SEE SHEET 17

12/20/2013

CONTRACT 63870
SHEET 39 OF 120

LEGEND



- IRON PIPE OR ROD FOUND
- + CUT CROSS FOUND OR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION, SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION, BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊕ PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
COUNTY OF LAKE } SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL FIRM LAND SURVEYING CORPORATION, NUMBER 154-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 13, TOWNSHIP 45N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS ____ DAY OF ____ 20__ A.D.

PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2010
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
Note: Surface Coordinates are Shown

STATION	OFFSET	NORTH	EAST
172+35.12	27.70' Rt.	2,081,156.902	1,008,651.798
172+36.76	2.25' Lt.	2,081,186.902	1,008,651.824
172+38.35	32.21' Lt.	2,081,216.902	1,008,651.851
172+38.72	27.89' Rt.	2,081,156.898	1,008,655.340
172+40.25	6.30' Rt.	2,081,178.545	1,008,655.746
172+40.50	27.98' Rt.	2,081,156.897	1,008,657.091
172+42.00	6.19' Rt.	2,081,178.734	1,008,657.482

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.U. 168 (JOHNSBURG ROAD)
SECTION 05-00314-00-WR McHENRY COUNTY
PROJECT JOB NO. R-91-005-06
STATION 172+00 TO STATION 174+00
SCALE: 1"=10' SHEET 18 OF 31

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

Parcel	Document No.	Date Recorded
1HK0039	100419	January 26, 1932
---	100418	January 26, 1932

PLAT NO. 3 McHENRY COUNTY CLERK'S PLAT OF SEC. 13, T. 45 N., R. 8 E. OF 3RD P.M. Recorded May 6, 1902 as Document No. 14079

STATION	OFFSET	NORTH	EAST
172+83.36	40.37' Rt.	2,081,146.095	1,008,699.494
172+83.63	29.61' Rt.	2,081,156.859	1,008,699.494
172+97.11	40.65' Rt.	2,081,146.095	1,008,712.906
172+97.48	29.90' Rt.	2,081,156.847	1,008,713.099
172+98.43	1.93' Rt.	2,081,184.830	1,008,713.601
173+03.05	40.73' Rt.	2,081,146.095	1,008,718.700
173+03.19	29.98' Rt.	2,081,156.842	1,008,718.700
173+49.17	40.91' Rt.	2,081,146.095	1,008,764.397
173+49.20	30.21' Rt.	2,081,156.802	1,008,764.397
173+62.69	40.94' Rt.	2,081,146.095	1,008,777.917
173+62.91	30.25' Rt.	2,081,156.790	1,008,778.108
173+71.43	30.27' Rt.	2,081,156.782	1,008,786.631
173+71.52	0.27' Rt.	2,081,186.782	1,008,786.657

ASSESSORS PLAT OF JOHNSBURG OR OF SEC. 13, T. 45 N. OF R. 8 E. OF THE 3RD P.M. Recorded August 27, 1868 in Book 43 of Deeds, Page 300

Existing & Proposed Pavement Johnsburg Road Curve #3

- P.I. = Sta. 171+76.08
- Δ = 10°05'24"
- R = 1641.91'
- T = 144.95'
- L = 289.15'
- E = 6.39'
- P.C. = Sta. 170+31.13
- P.T. = Sta. 173+20.28

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING SQUARE FEET	REMAINDER AREA ACRES	EASEMENT AREA SQUARE FEET	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1HK0038T.E.	David R. Betts and Kim F. Betts as Trustee under Trust Agreement dated August 3, 2007 and known as the David R. Betts and Kim F. Betts Living Trust dated August 3, 2007	0.492	N/A	N/A	0.492	0.003	145	Driveway Construction	09-13-253-011 09-13-253-012
1HK0039T.E.-A 1HK0039T.E.-B	R. Pounds as Trustee under Trust Agreement dated May 22, 2009 known as the Wilkins Family Land Trust #2307	0.179	N/A	N/A	0.179	A=0.001 B=0.003	61 146	Construction Purposes Driveway Construction	09-13-253-023

REVISION DATE

SEE SHEET 19

ROUTE F.A.U. 168 (JOHNSBURG ROAD)

SECTION 05-00314-00-WR

COUNTY McHENRY

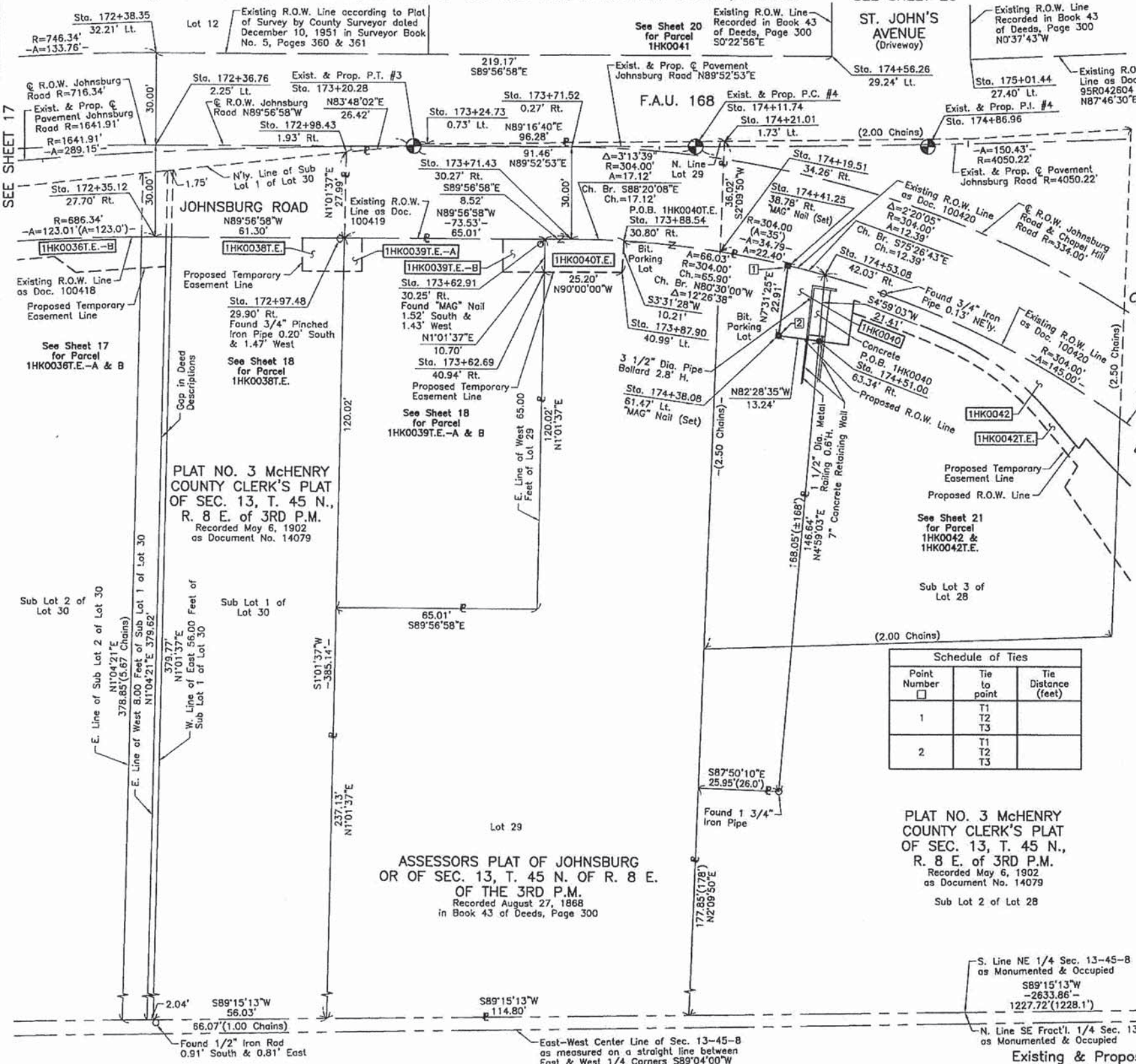
JOB NO. R-91-005-06

RECORDING: RECORDED ON

AS DOCUMENT NO.

12/19/2013 2:02:27 PM
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PART OF THE NE 1/4 OF SEC. 13, TWP. 45 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS. SEE SHEET 20



STATION	OFFSET	NORTH	EAST
173+62.91	30.25' Rt.	2,081,156.790	1,008,778.108
173+71.43	30.27' RL	2,081,156.782	1,008,786.631
173+71.52	0.27' Rt.	2,081,186.782	1,008,786.657
173+87.90	40.99' Rt.	2,081,146.095	1,008,803.118
173+88.54	30.80' Rt.	2,081,156.285	1,008,803.745
174+19.51	34.26' Rt.	2,081,152.902	1,008,834.780
174+21.01	1.73' Lt.	2,081,188.897	1,008,836.140
174+38.08	61.47' Rt.	2,081,125.810	1,008,853.749
174+41.25	38.78' Rt.	2,081,148.522	1,008,856.748
174+51.00	63.34' Rt.	2,081,124.076	1,008,866.877
174+53.08	42.03' Rt.	2,081,145.409	1,008,868.737
174+56.26	29.24' Lt.	2,081,216.708	1,008,871.019
175+01.44	27.40' Lt.	2,081,215.705	1,008,915.905

12/20/2013

LEGEND

- SECTION CORNER 16
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- API
- APPARENT PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DATA
- EXISTING BUILDING

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2007) East Zone.

- IRON PIPE OR ROD FOUND
- ⊙ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T2
- T3
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT2
- BT3
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊕ PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
COUNTY OF LAKE }SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 13, TOWNSHIP 45N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS ____ DAY OF ____ 20__ A.D.

SCALE: 1"=20'

Parcel	Document No.	Date Recorded
1HK0040	100419	January 26, 1932
1FH0040	100420	January 26, 1932
----	Book 43 of Deeds, Page 300	August 27, 1868
----	100419	January 26, 1932
----	100418	January 26, 1932
----	100420	January 26, 1932
----	95R042604	October 4, 1995

Point Number	Tie to point	Tie Distance (feet)
1	T1 T2 T3	
2	T1 T2 T3	

M-9
"Monument Record"
East 1/4 Corner of Section 13-45-8
N.2,080,817.237-E.1,010,049.108
Recorded Document No.

STATION	OFFSET	NORTH	EAST
172+35.12	27.70' Rt.	2,081,156.902	1,008,651.798
172+36.76	2.25' Lt.	2,081,186.902	1,008,651.824
172+38.35	32.21' Lt.	2,081,216.902	1,008,651.851
172+97.48	29.90' Rt.	2,081,156.847	1,008,713.099
172+98.43	1.93' Rt.	2,081,184.830	1,008,713.601
173+24.73	0.73' Lt.	2,081,187.883	1,008,739.869
173+62.69	40.94' Rt.	2,081,146.095	1,008,777.917

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	TAKEN SQUARE FEET	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT SQUARE FEET	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1HK0040 1HK0040T.E.	Harris, N.A. successor to Harris Trust & Savings Bank as successor to State Bank of Woodstock as Trustee under Trust Agreement dated August 31, 1989 known as Trust No. 4591	0.994	0.006	283	N/A	0.988	0.006	269	Driveway Construction	09-13-253-014 09-13-253-015 09-13-253-024	

Existing & Proposed Pavement
Johnsburg Road Curve #3

P.I. = Sta. 171+76.08
Δ = 10°05'24"
R = 1641.91'
T = 144.95'
L = 289.15'
E = 6.39'
P.C. = Sta. 170+31.13
P.T. = Sta. 173+20.28

Existing & Proposed Pavement
Johnsburg Road Curve #4

P.I. = Sta. 174+86.96
Δ = 2°07'41"
R = 4050.22'
T = 75.22'
L = 150.43'
E = 0.70'
P.C. = Sta. 174+11.74
P.T. = Sta. 175+62.17

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.U. 168 (JOHNSBURG ROAD)

SECTION 05-00314-00-WR McHENRY COUNTY PROJECT
JOB NO. R-91-005-06
STATION 172+00 TO STATION 175+00
SCALE: 1"=20'
SHEET 19 OF 31

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

12/19/2012 2:10:36 PM
090627-p01-20.dgn
default
Standard-11-trans.tbl

PART OF THE NE 1/4 OF SEC. 13, TWP. 45 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

PLAT NO. 3 McHENRY COUNTY CLERK'S PLAT OF SEC. 13, T. 45 N., R. 8 E. OF 3RD P.M. Recorded May 6, 1902 as Document No. 14079

12/20/2013

CONTRACT 63870 SHEET 41 OF 120

Proposed Pavement Chapel Hill Road Curve #2

P.I. = Sta. 59+25.06
 Δ = 32°13'52"
 R = 150.01'
 T = 43.34'
 L = 84.39'
 E = 6.14'
 P.C. = Sta. 57+81.72
 P.T. = Sta. 58+66.11

Proposed Pavement St. John's Avenue Curve #3

P.I. = Sta. 40+64.91
 Δ = 18°20'08"
 R = 200.01'
 T = 32.28'
 L = 64.01'
 E = 2.59'
 P.C. = Sta. 40+32.63
 P.T. = Sta. 40+96.64

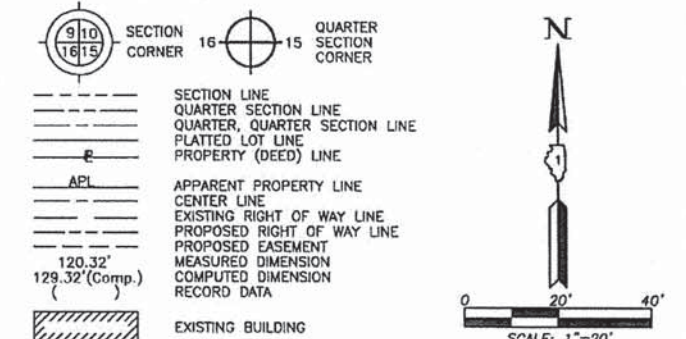
Proposed Pavement St. John's Avenue Curve #4

P.I. = Sta. 41+74.79
 Δ = 29°03'58"
 R = 232.30'
 T = 60.22'
 L = 117.85'
 E = 7.68'
 P.C. = Sta. 41+14.57
 P.T. = Sta. 42+32.42

Parcel	Document No.	Date Recorded
1HK0041	Book 43 of Deeds, Page 300	August 27, 1868
1HK0043	Book 43 of Deeds, Page 300	August 27, 1868
1HK0043	95R042604	October 4, 1995
-----	100419	January 26, 1932
-----	100420	January 26, 1932
-----	100421	January 26, 1932
-----	95R031118	August 1, 1995
-----	95R034913	August 23, 1995

PLAT NO. 3 McHENRY COUNTY CLERK'S PLAT OF SEC. 13, T. 45 N., R. 8 E. OF 3RD P.M. Recorded May 6, 1902 as Document No. 14079

STATION	OFFSET	NORTH	EAST
173+71.52	0.27' Rt.	2,081,186.782	1,008,786.657
174+44.08	29.39' Lt.	2,081,216.719	1,008,858.925
174+56.26	29.24' Lt.	2,081,216.708	1,008,871.019
174+59.30	34.27' Lt.	2,081,221.739	1,008,870.985
175+01.44	27.40' Lt.	2,081,215.705	1,008,915.905
176+02.11	27.81' Lt.	2,081,219.598	1,009,016.084
176+10.72	29.99' Rt.	2,081,162.180	1,009,026.960



- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T2
- T3
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT2
- BT3
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊕ PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 13, TOWNSHIP 45N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS. DATED AT LAKE VILLA, ILLINOIS THIS _____ DAY OF _____, 20____ A.D.

JORGENSEN & ASSOCIATES, INC. PRESIDENT
 120 PARK AVENUE
 LAKE VILLA, ILLINOIS 60046
 (847) 356-3371
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2010
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
 Note: Surface Coordinates are Shown

STATION	OFFSET	NORTH	EAST
41+46.90	39.87' Lt.	2,081,311.471	1,008,870.387
41+86.95	130.60' Rt.	2,081,390.793	1,009,023.974
42+08.11	21.41' Rt.	2,081,387.722	1,008,914.017
58+27.35	39.60' Rt.	2,081,127.370	1,009,025.645
173+64.00	29.75' Lt.	2,081,216.789	1,008,779.073
173+71.43	30.27' Rt.	2,081,156.782	1,008,786.631

Point Number	Tie to point	Tie Distance (feet)
1	T1	10.59
	T2	14.94
	T3	19.17
2	T1	17.53
	T2	14.24
	T3	14.28
3	T1	15.84
	T2	14.47
	T3	17.65
4	T1	14.78
	T2	8.49
	T3	13.49

T1 to Point Nos. 1 & 2 is a Cross Cut (Set) in Concrete Walk.
 T2 & T3 to Point Nos. 1 & 2 are "MAG" Nails (Set) in Bituminous Parking Lot.

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	SQUARE FEET	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1HK0041	Robert Carcoran and Bessie Joy Koufhold, his wife, in Joint Tenancy	0.195	0.001	30	N/A	0.194	N/A	N/A	09-13-252-033	
1HK0043	Don A. Peoples and Josephine Peoples as to an undivided 75% interest and Christopher C. Schuer and Jennifer L. Schuer as to an undivided 25% interest	0.414	0.414	N/A	N/A	0.000	N/A	N/A	09-13-276-040	

Existing & Proposed Pavement Johnsburg Road Curve #4

P.I. = Sta. 174+86.96
 Δ = 2°07'41"
 R = 4050.22'
 T = 75.22'
 L = 150.43'
 E = 0.70'
 P.C. = Sta. 174+11.74
 P.T. = Sta. 175+62.17

ASSESSORS PLAT OF JOHNSBURG OR OF SEC. 13, T. 45 N. OF R. 8 E. OF THE 3RD P.M. Recorded August 27, 1868 in Book 43 of Deeds, Page 300

East-West Center Line of Sec. 13-45-8 as measured on a straight line between East & West 1/4 Corners S89°04'00"W

N. Line SE Fract'l. 1/4 Sec. 13-45-8 as Monumented & Occupied

REVISION DATE

REVISION

MADE BY

COMPANY NAME: JORGENSEN & ASSOCIATES, INC.
 PROJECT CONTACT: JORGENSEN & ASSOCIATES, INC.
 CLIENT: McHENRY COUNTY
 DATE PLOTTED: 12/19/2013 2:46:46 PM
 FILE NAME: 086622-pch-21.dgn
 PLOT NUMBER: 086622-pch-21.dgn
 PEN TABLE: standard-trans.ctb

ROUTE F.A.U. 168 (JOHNSBURG ROAD)

SECTION 05-00314-00-WR

COUNTY McHENRY

JOB NO. R-91-005-06

RECORDING: RECORDED ON

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

AS DOCUMENT NO.

PART OF THE NE 1/4 OF SEC. 13, TWP. 45 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1HK0042 1HK0042T.E.	Thomas J. Frymark	2.074	0.392	0.343	1.682	0.065	Construction Purposes	09-13-253-016 09-13-253-017 09-13-426-001	

EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
1HK0042	100420	January 26, 1932
-----	95R034913	August 23, 1995
-----	95R042604	October 4, 1995

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
58+28.66	54.24' Lt.	2,081,076.824	1,008,946.579
58+31.25	47.16' Lt.	2,081,083.558	1,008,950.661
58+34.82	43.78' Lt.	2,081,089.294	1,008,951.112
58+36.15	40.03' Lt.	2,081,092.671	1,008,953.476
58+44.10	50.19' Lt.	2,081,096.840	1,008,939.592
58+44.71	46.27' Lt.	2,081,099.341	1,008,942.714
174+19.51	34.26' Rt.	2,081,152.902	1,008,834.780
174+21.01	1.73' Lt.	2,081,188.897	1,008,836.140
174+51.00	63.34' Rt.	2,081,124.076	1,008,866.877
174+53.08	42.03' Rt.	2,081,145.409	1,008,868.737
174+56.26	29.24' Lt.	2,081,216.708	1,008,871.019
174+60.32	64.71' Rt.	2,081,122.823	1,008,876.369
174+61.82	54.36' Rt.	2,081,133.197	1,008,877.739
174+62.40	50.33' Rt.	2,081,137.232	1,008,878.272
174+91.94	67.02' Rt.	2,081,121.089	1,008,908.539
174+93.66	63.43' Rt.	2,081,124.724	1,008,910.208
175+01.10	1.60' Lt.	2,081,189.906	1,008,916.188
175+01.44	27.40' Lt.	2,081,215.705	1,008,915.905
176+10.72	29.99' Rt.	2,081,162.180	1,009,026.960
176+13.39	4.61' Lt.	2,081,196.854	1,009,028.270

Schedule of Ties		
Point Number	Tie to point	Tie Distance (feet)
1	T1 T2 T3	
2	T1 T2 T3	
3	T1 T2 T3	
4	T1 T2 T3	
5	T1 T2 T3	
6	T1 T2 T3	
7	T1 T2 T3	

12/20/2013

CONTRACT 63870
SHEET 42 OF 120

LEGEND

- SECTION CORNER 16
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- API
- APPARENT PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DATA
- EXISTING BUILDING

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2007) East Zone.

IRON PIPE OR ROD FOUND @ "MAG" NAIL SET

CUT CROSS FOUND OR SET • 5/8" REBAR SET

THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)

RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
COUNTY OF LAKE }SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 13, TOWNSHIP 45N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS ____ DAY OF ____ 20__ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2010
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
Note: Surface Coordinates are Shown

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
57+34.55	62.87' Lt.	2,080,993.295	1,009,020.579
57+58.69	30.51' Lt.	2,081,033.635	1,009,022.103
57+67.33	18.94' Lt.	2,081,048.062	1,009,022.648
57+88.41	60.01' Lt.	2,081,031.182	1,008,978.506
58+04.01	17.94' Lt.	2,081,074.931	1,008,993.886
58+06.49	11.95' Rt.	2,081,096.854	1,009,014.365
58+27.35	39.60' Rt.	2,081,127.370	1,009,025.645

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.U. 168 (JOHNSBURG ROAD)

SECTION 05-00314-00-WR McHENRY COUNTY
PROJECT JOB NO. R-91-005-06
STATION 57+00 TO STATION 59+18.41 (CHapel Hill Rd.)
STATION 174+00 TO STATION 177+00 (JOHNSBURG RD.)
SCALE: 1"=10'
SHEET 21 OF 31

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

PLAT NO. 3 McHENRY COUNTY CLERK'S PLAT OF SEC. 13, T. 45 N., R. 8 E. OF 3RD P.M. Recorded May 6, 1902 as Document No. 14079

See Sheet 28 for Total Holdings Parcel 1HK0042 & 1HK0042T.E.

See Sheet 22 for T1 to Point No. 1

Proposed Pavement Chapel Hill Road Curve #2

P.I. = Sta. 58+25.06
Δ = 32°13'52"
R = 150.01'
L = 43.34'
T = 84.39'
E = 6.14'
P.C. = Sta. 57+81.72
P.T. = Sta. 58+66.11

Existing & Proposed Pavement Johnsburg Road Curve #4

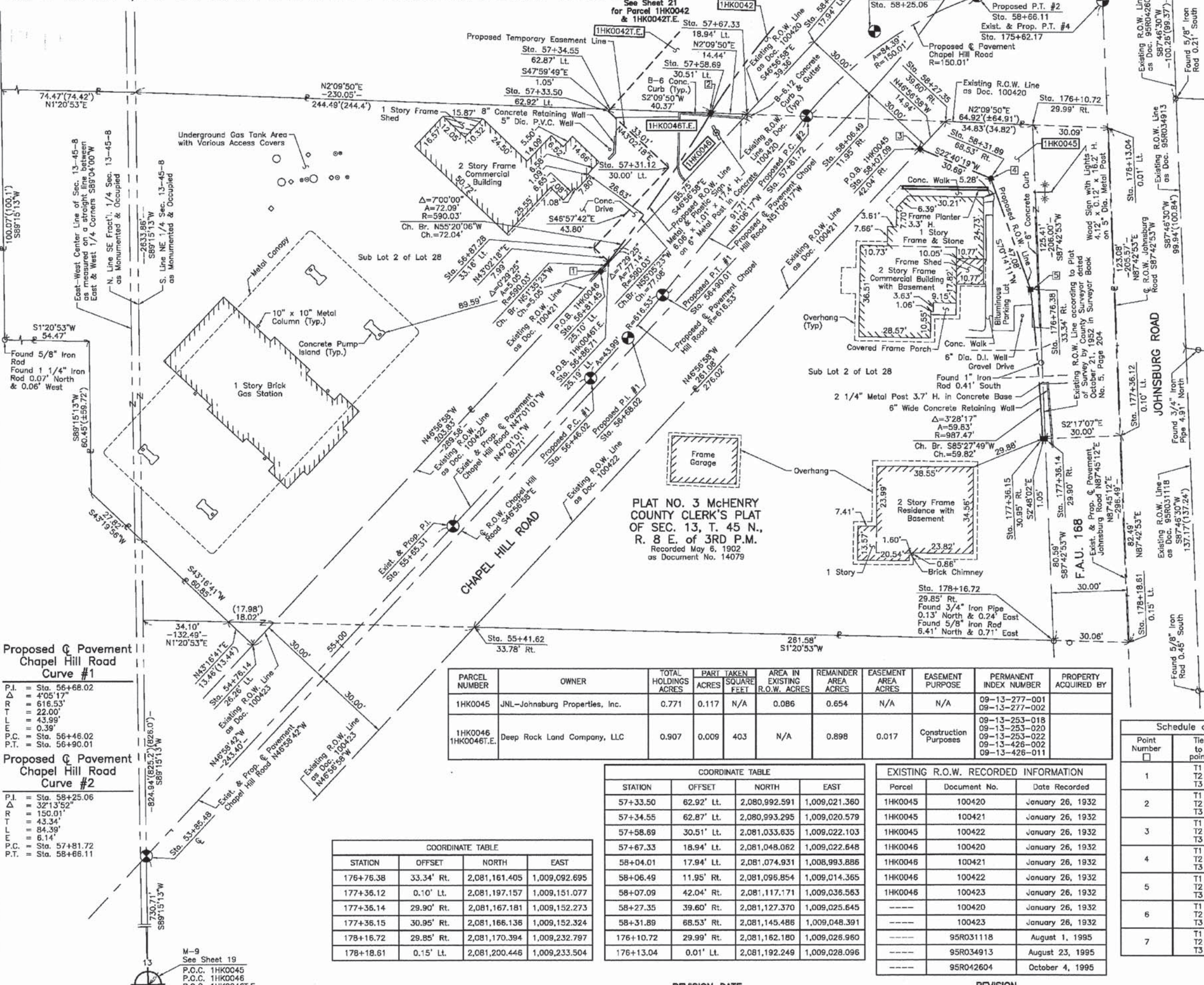
P.I. = Sta. 174+86.96
Δ = 2°07'41"
R = 4050.22'
L = 75.22'
T = 150.43'
E = 0.70'
P.C. = Sta. 174+11.74
P.T. = Sta. 175+62.17

REVISION DATE July 20, 2010
REVISION Update topography Parcel 1HK0042

PROJECT NAME: 12/19/2013 2:11:56 PM
PROJECT CONTACT: 080622-poh-22.dgn
CLIENT: pof.dpt
DATE PLOTTED: standard-trns.tbl
FILE NAME:
PLOT DRIVER:
PEN TABLE:

PART OF THE EAST 1/2 OF SEC. 13, TWP. 45 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

See Sheet 21 for Parcel 1HK0042 & 1HK0042T.E.



12/20/2013
LEGEND
 SECTION CORNER 16 QUARTER SECTION CORNER 15
 SECTION LINE
 QUARTER SECTION LINE
 QUARTER, QUARTER SECTION LINE
 PLATTED LOT LINE
 PROPERTY (DEED) LINE
 APPL APPARENT PROPERTY LINE
 CENTER LINE
 EXISTING RIGHT OF WAY LINE
 PROPOSED RIGHT OF WAY LINE
 PROPOSED EASEMENT
 MEASURED DIMENSION
 COMPUTED DIMENSION
 RECORD DATA
 EXISTING BUILDING
 Scale: 1"=20'
 Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2007) East Zone.

- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T2
- T3
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT2
- BT3
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
 COUNTY OF LAKE }SS
 THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 13, TOWNSHIP 45N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.
 DATED AT LAKE VILLA, ILLINOIS THIS _____ DAY OF _____ 20____ A.D.

PRESIDENT
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2010
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
 Note: Surface Coordinates are Shown

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
53+85.48	☉	2,080,807.719	1,009,318.458
54+76.14	26.25' Lt.	2,080,850.380	1,009,234.262
55+41.62	33.78' Rt.	2,080,938.943	1,009,227.351
56+81.45	25.10' Lt.	2,080,989.522	1,009,085.314
56+86.71	25.19' Lt.	2,080,992.660	1,009,081.356
56+87.28	33.15' Lt.	2,080,986.823	1,009,075.906
57+31.12	30.00' Lt.	2,081,016.718	1,009,043.890

JORGENSEN & ASSOCIATES, INC.
 120 PARK AVENUE
 LAKE VILLA, ILLINOIS 60046
 (847) 356-3371
 SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.U. 168 (JOHNSBURG ROAD)
 SECTION 05-00314-00-WR McHENRY COUNTY
 PROJECT JOB NO. R-91-005-06
 STATION 175+62.17 TO STATION 179+00 (JOHNSBURG RD.)
 SCALE: 1"=20' SHEET 22 OF 31

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	SQUARE FEET	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1HK0045	JNL-Johnsburg Properties, Inc.	0.771	0.117	N/A	0.086	0.654	N/A	N/A	09-13-277-001 09-13-277-002	
1HK0046 1HK0046T.E.	Deep Rock Land Company, LLC	0.907	0.009	403	N/A	0.898	0.017	Construction Purposes	09-13-253-018 09-13-253-020 09-13-253-022 09-13-426-002 09-13-426-011	

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
57+33.50	62.92' Lt.	2,080,992.591	1,009,021.360
57+34.55	62.87' Lt.	2,080,993.295	1,009,020.579
57+58.69	30.51' Lt.	2,081,033.635	1,009,022.103
57+67.33	18.94' Lt.	2,081,048.062	1,009,022.648
58+04.01	17.94' Lt.	2,081,074.931	1,008,993.886
58+06.49	11.95' Rt.	2,081,096.854	1,009,014.365
58+07.09	42.04' Rt.	2,081,117.171	1,009,036.563
58+27.35	39.60' Rt.	2,081,127.370	1,009,025.645
58+31.89	68.53' Rt.	2,081,145.486	1,009,048.391
176+10.72	29.99' Rt.	2,081,162.180	1,009,026.960
176+13.04	0.01' Lt.	2,081,192.249	1,009,028.096

EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
1HK0045	100420	January 26, 1932
1HK0045	100421	January 26, 1932
1HK0045	100422	January 26, 1932
1HK0045	100420	January 26, 1932
1HK0046	100421	January 26, 1932
1HK0046	100422	January 26, 1932
1HK0046	100423	January 26, 1932
----	100420	January 26, 1932
----	100423	January 26, 1932
----	95R031118	August 1, 1995
----	95R034913	August 23, 1995
----	95R042604	October 4, 1995

Schedule of Ties		
Point Number	Tie to point	Tie Distance (feet)
1	T1 T2 T3	
2	T1 T2 T3	
3	T1 T2 T3	
4	T1 T2 T3	
5	T1 T2 T3	
6	T1 T2 T3	
7	T1 T2 T3	

Proposed Pavement Chapel Hill Road Curve #1
 P.I. = Sta. 56+68.02
 Δ = 4°05'17"
 R = 616.53'
 T = 22.00'
 L = 43.99'
 E = 0.39'
 P.C. = Sta. 56+46.02
 P.T. = Sta. 56+90.01

Proposed Pavement Chapel Hill Road Curve #2
 P.I. = Sta. 58+25.06
 Δ = 32°13'52"
 R = 150.01'
 T = 43.34'
 L = 84.39'
 E = 6.14'
 P.C. = Sta. 57+81.72
 P.T. = Sta. 58+66.11

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
176+76.38	33.34' Rt.	2,081,161.405	1,009,092.695
177+36.12	0.10' Lt.	2,081,197.157	1,009,151.077
177+36.14	29.90' Rt.	2,081,167.181	1,009,152.273
177+36.15	30.95' Rt.	2,081,166.138	1,009,152.324
178+16.72	29.85' Rt.	2,081,170.394	1,009,232.797
178+18.61	0.15' Lt.	2,081,200.446	1,009,233.504

PART OF THE NE 1/4 OF SEC. 13, TWP. 45 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1HK0044 1HK0044T.E.	William E. Swartzloff and Donna J. Swartzloff, his wife, in Joint Tenancy	0.425	0.014	N/A	0.411	0.044	Construction Purposes	09-13-276-033	
1HK0047T.E.	SJMI Enterprise, LLC	1.127	N/A	N/A	1.127	0.030	Driveway Construction	09-13-276-027 09-13-276-034	

Existing & Proposed Pavement Johnsburg Road Curve #4

P.I.	= Sta. 174+86.96
Δ	= 2'07'41"
R	= 4050.22'
T	= 75.22'
L	= 150.43'
E	= 0.70'
P.C.	= Sta. 174+11.74
P.T.	= Sta. 175+62.17

Proposed Pavement Chapel Hill Road Curve #2

P.I.	= Sta. 58+25.06
Δ	= 32'13'52"
R	= 150.01'
T	= 43.34'
L	= 84.39'
E	= 6.14'
P.C.	= Sta. 57+81.72
P.T.	= Sta. 58+66.11

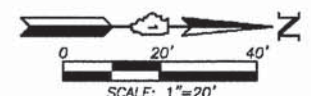
Proposed Pavement St. John's Avenue Curve #3

P.I.	= Sta. 40+64.91
Δ	= 18'20'08"
R	= 200.01'
T	= 32.28'
L	= 64.01'
E	= 2.59'
P.C.	= Sta. 40+32.63
P.T.	= Sta. 40+96.64

12/20/2013

LEGEND

- SECTION CORNER 16
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DATA
- EXISTING BUILDING



Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2007) East Zone.

- IRON PIPE OR ROD FOUND
- "MAG" NAIL SET
- CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T2
- T3
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT2
- BT3
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATION	OFFSET	NORTH	EAST
176+10.72	29.99' Rt.	2,081,162.180	1,009,026.960
176+30.86	35.67' Lt.	2,081,228.575	1,009,044.504
176+32.95	40.31' Lt.	2,081,233.294	1,009,046.414
176+63.74	27.79' Lt.	2,081,221.990	1,009,077.666
176+64.70	32.70' Lt.	2,081,226.936	1,009,078.435
176+82.40	86.72' Lt.	2,081,281.605	1,009,094.007
176+82.41	32.70' Lt.	2,081,227.632	1,009,096.132
177+02.04	27.77' Lt.	2,081,223.478	1,009,115.944
177+13.16	86.72' Lt.	2,081,282.815	1,009,124.746
177+30.09	86.72' Lt.	2,081,283.481	1,009,141.658
177+30.10	27.76' Lt.	2,081,224.567	1,009,143.978
178+39.21	27.72' Lt.	2,081,228.803	1,009,253.009

Schedule of Ties		
Point Number	Tie to point	Tie Distance (feet)
1	T1 T2 T3	
2	T1 T2 T3	
3	T1 T2 T3	

EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
1HK0044	95R034913	August 23, 1995
1HK0047	95R031118	August 1, 1995
----	100420	January 26, 1932
----	100421	January 26, 1932
----	95R042604	October 4, 1995

PLAT NO. 3 McHENRY COUNTY CLERK'S PLAT OF SEC. 13, T. 45 N., R. 8 E. OF 3RD P.M. Recorded May 6, 1902 as Document No. 14079

PLAT NO. 3 McHENRY COUNTY CLERK'S PLAT OF SEC. 13, T. 45 N., R. 8 E. OF 3RD P.M. Recorded May 6, 1902 as Document No. 14079

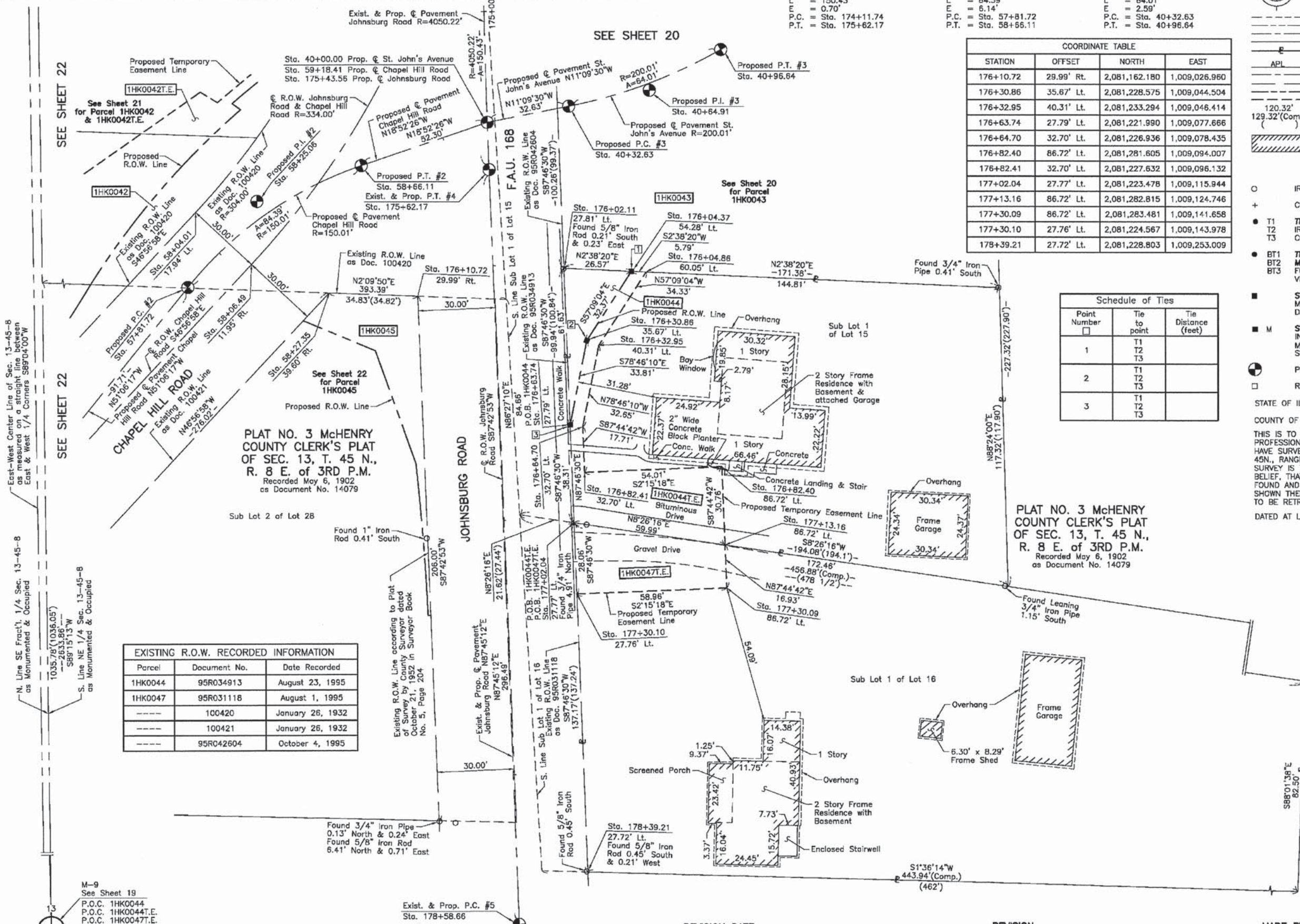
JORGENSEN & ASSOCIATES, INC. PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2010
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
Note: Surface Coordinates are Shown

STATION	OFFSET	NORTH	EAST
58+04.01	17.94' Lt.	2,081,074.931	1,008,993.886
58+06.49	11.95' Rt.	2,081,096.854	1,009,014.365
58+27.35	39.60' Rt.	2,081,127.370	1,009,025.645
176+02.11	27.81' Lt.	2,081,219.598	1,009,016.084
176+04.37	54.28' Lt.	2,081,246.135	1,009,017.307
176+04.86	60.05' Lt.	2,081,251.915	1,009,017.574

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371
SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.U. 168 (JOHNSBURG ROAD)
SECTION 05-00314-00-WR McHENRY COUNTY
PROJECT JOB NO. R-91-005-06
STATION 40+00.00 TO STATION 40+96.64 (ST. JOHN'S AVE.)
STATION 57+00 TO STATION 59+18.41 (CHAPEL HILL RD.)
STATION 175+00 TO STATION 178+58.66 (JOHNSBURG RD.)
SCALE: 1"=20' SHEET 23 OF 31

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196
AS DOCUMENT NO.



12/19/2013 2:12:10 PM
060622-p00-24.dgn
p01.dwg
PEX TABLE

M-9
See Sheet 19
P.O.C. 1HK0044
P.O.C. 1HK0044T.E.
P.O.C. 1HK0047T.E.

Exist. & Prop. P.C. #5
Sta. 178+58.66

REVISION DATE

REVISION

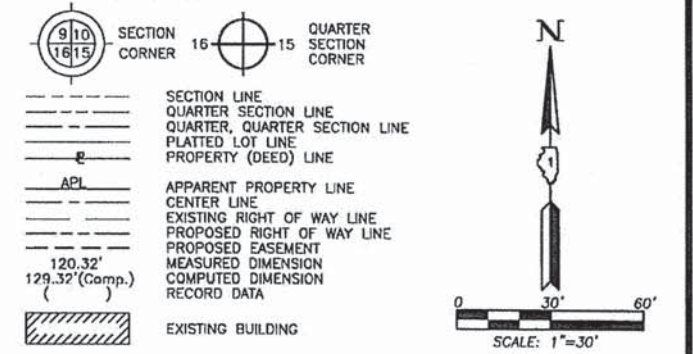
MADE BY

PART OF THE EAST 1/2 OF SEC. 13, TWP. 45 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

12/20/2013

CONTRACT 63870
SHEET 45 OF 120

LEGEND



Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2007) East Zone.

- IRON PIPE OR ROD FOUND ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET ● 5/8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊕ PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
COUNTY OF LAKE }

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 13, TOWNSHIP 45N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.
DATED AT LAKE VILLA, ILLINOIS THIS _____ DAY OF _____ 20____ A.D.

PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2010

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

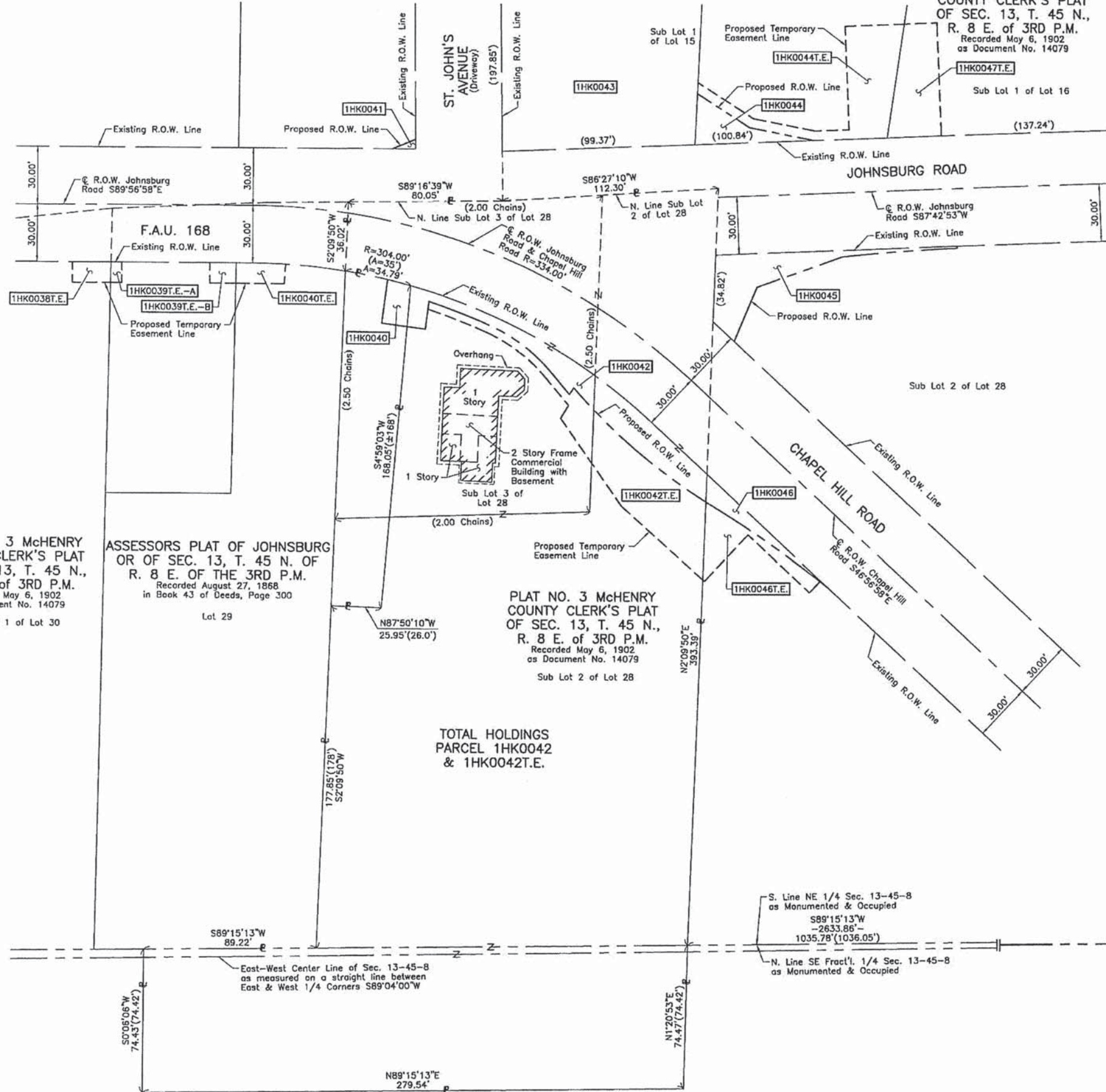
JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET 1 IS A COVER
SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.U. 168 (JOHNSBURG ROAD)

SECTION 05-00314-00-WR McHENRY COUNTY
PROJECT JOB NO. R-91-005-06
STATION NONE TO STATION
SCALE: 1"=30' SHEET 28 OF 31

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196



PLAT NO. 3 McHENRY COUNTY CLERK'S PLAT OF SEC. 13, T. 45 N., R. 8 E. OF 3RD P.M. Recorded May 6, 1902 as Document No. 14079 Sub Lot 1 of Lot 30

ASSESSORS PLAT OF JOHNSBURG OR OF SEC. 13, T. 45 N. OF R. 8 E. OF THE 3RD P.M. Recorded August 27, 1868 in Book 43 of Deeds, Page 300 Lot 29

PLAT NO. 3 McHENRY COUNTY CLERK'S PLAT OF SEC. 13, T. 45 N., R. 8 E. OF 3RD P.M. Recorded May 6, 1902 as Document No. 14079 Sub Lot 2 of Lot 28

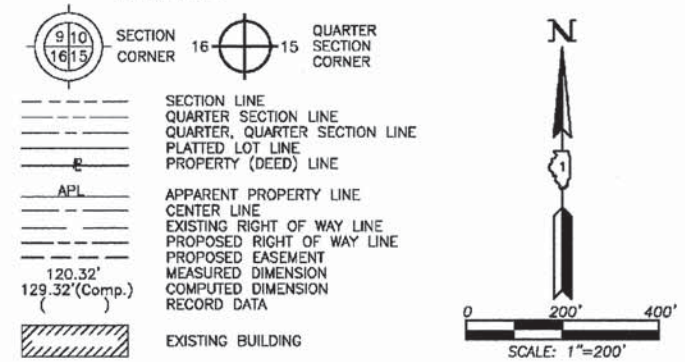
TOTAL HOLDINGS PARCEL 1HK0042 & 1HK0042T.E.

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CLIENT: 080625-p001-23.0gn
FILE NAME: p001-23.0gn
PEN TABLE: Standard-trans.tbl

12/20/2013

CONTRACT 63870
SHEET 46 OF 120

LEGEND



- Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2007) East Zone.
- IRON PIPE OR ROD FOUND ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET ● 5/8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T2 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
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- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
COUNTY OF LAKE }SS
THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 13, TOWNSHIP 45N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.
DATED AT LAKE VILLA, ILLINOIS THIS _____ DAY OF _____ 20__ A.D.

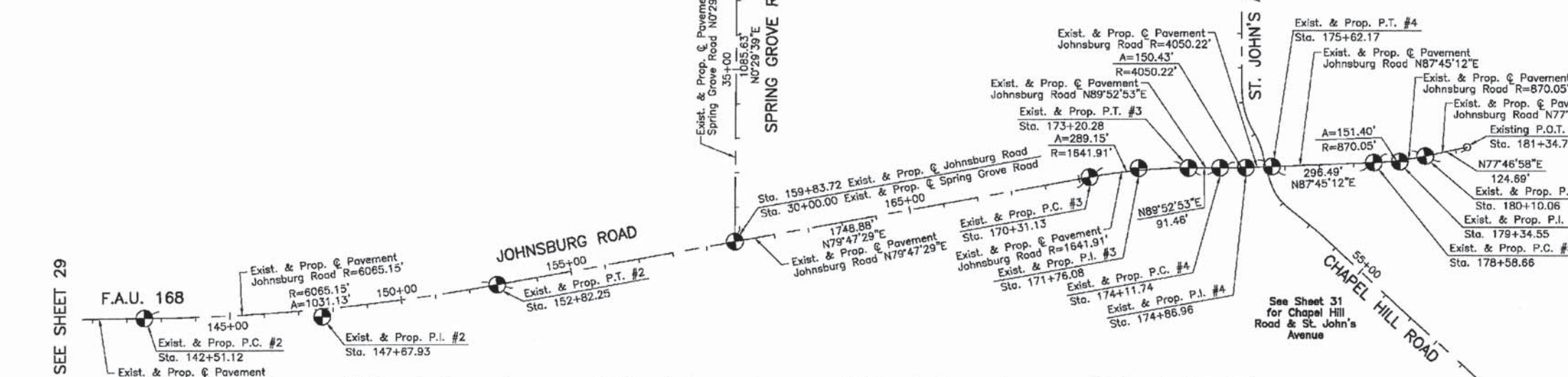
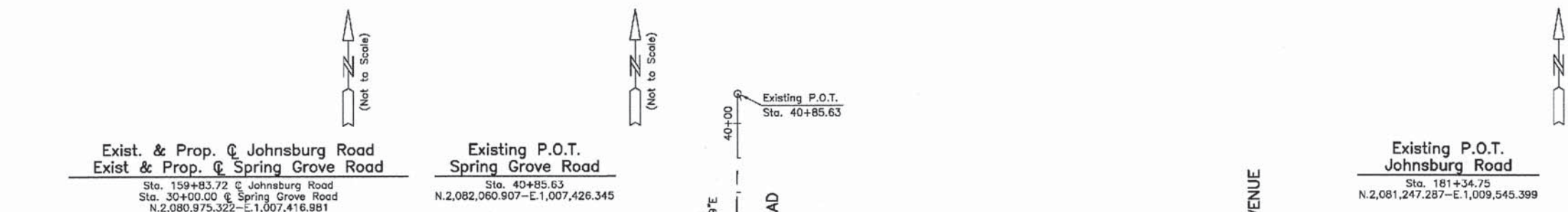
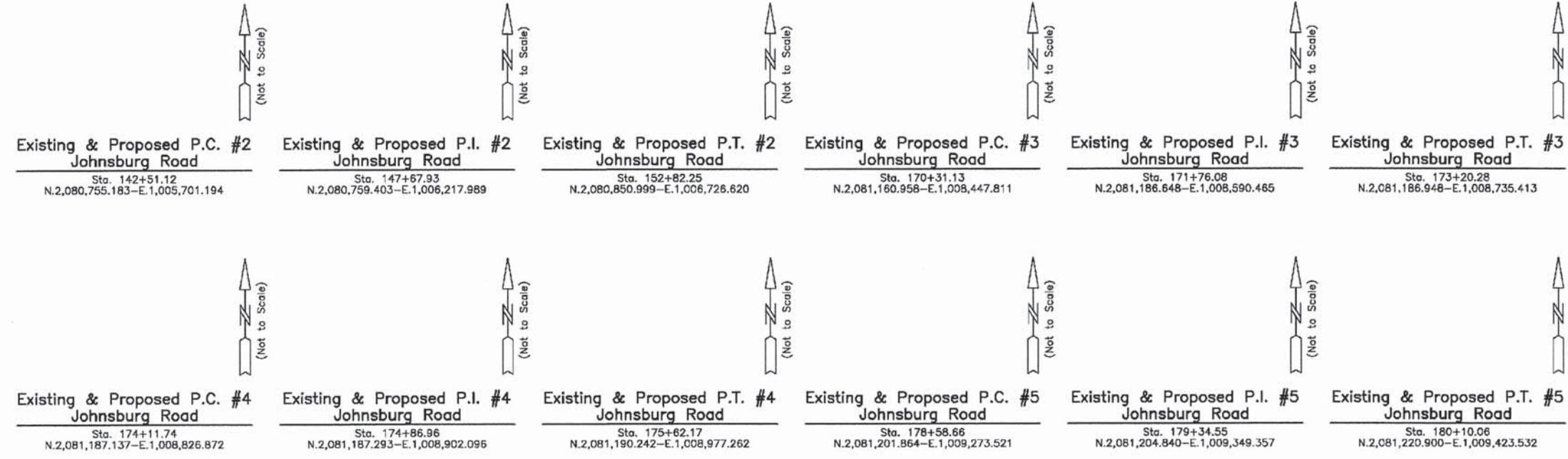
PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2010
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
Note: Surface Coordinates are Shown

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371
SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.U. 168 (JOHNSBURG ROAD)

SECTION 05-00314-00-WR McHENRY COUNTY
PROJECT JOB NO. R-91-005-06
STATION 30+00.00 TO STATION 40+85.63 (SPRING GROVE RD.)
STATION 141+00 TO STATION 181+34.75 (JOHNSBURG RD.)
SCALE: 1"=200'

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196



Curve #	P.I.	Δ	R	T	L	E	P.C.	P.T.
Existing & Proposed Pavement Johnsburg Road Curve #2	Sta. 147+67.93	9°44'27"	6065.15'	516.81'	1031.13'	21.98'	Sta. 142+51.12	Sta. 152+82.25
Existing & Proposed Pavement Johnsburg Road Curve #3	Sta. 171+76.08	10°05'24"	1641.91'	144.95'	289.15'	6.39'	Sta. 170+31.13	Sta. 173+20.28
Existing & Proposed Pavement Johnsburg Road Curve #4	Sta. 174+86.96	2°07'41"	4050.22'	75.22'	150.43'	0.70'	Sta. 174+11.74	Sta. 175+62.17
Existing & Proposed Pavement Johnsburg Road Curve #5	Sta. 179+34.55	9°58'14"	870.05'	75.89'	151.40'	3.30'	Sta. 178+58.66	Sta. 180+10.06

REVISION DATE REVISION MADE BY

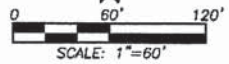
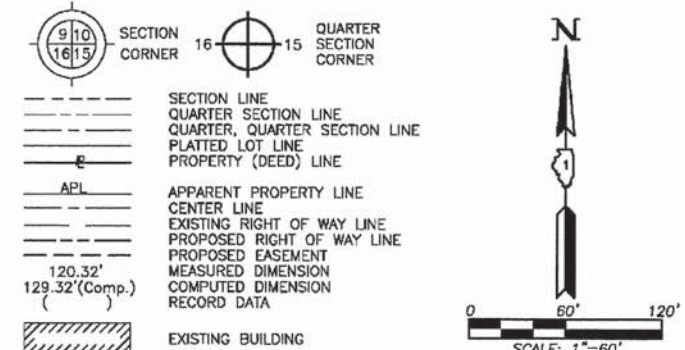
SEE SHEET 29

COMPANY NAME: JORGENSEN & ASSOCIATES, INC.
PROJECT CONTACT: JORGENSEN & ASSOCIATES, INC.
CLIENT: McHENRY COUNTY
DATE PLOTTED: 12/19/2013 2:16:27 PM
FILE NAME: 080622-pah-31.dgn
PLOT DRIVER: pdfplot
PEN TABLE: standard-trans.tbl

12/20/2013

CONTRACT 63870
SHEET 47 OF 120

LEGEND



- Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2007) East Zone.
- IRON PIPE OR ROD FOUND
 - ⊕ "MAG" NAIL SET
 - + CUT CROSS FOUND OR SET
 - 5/8" REBAR SET
 - T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - T2
 - T3
 - BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - BT2
 - BT3
 - STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
 - M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - ⊙ PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
 - RIGHT OF WAY STAKING PROPOSED TO BE SET.

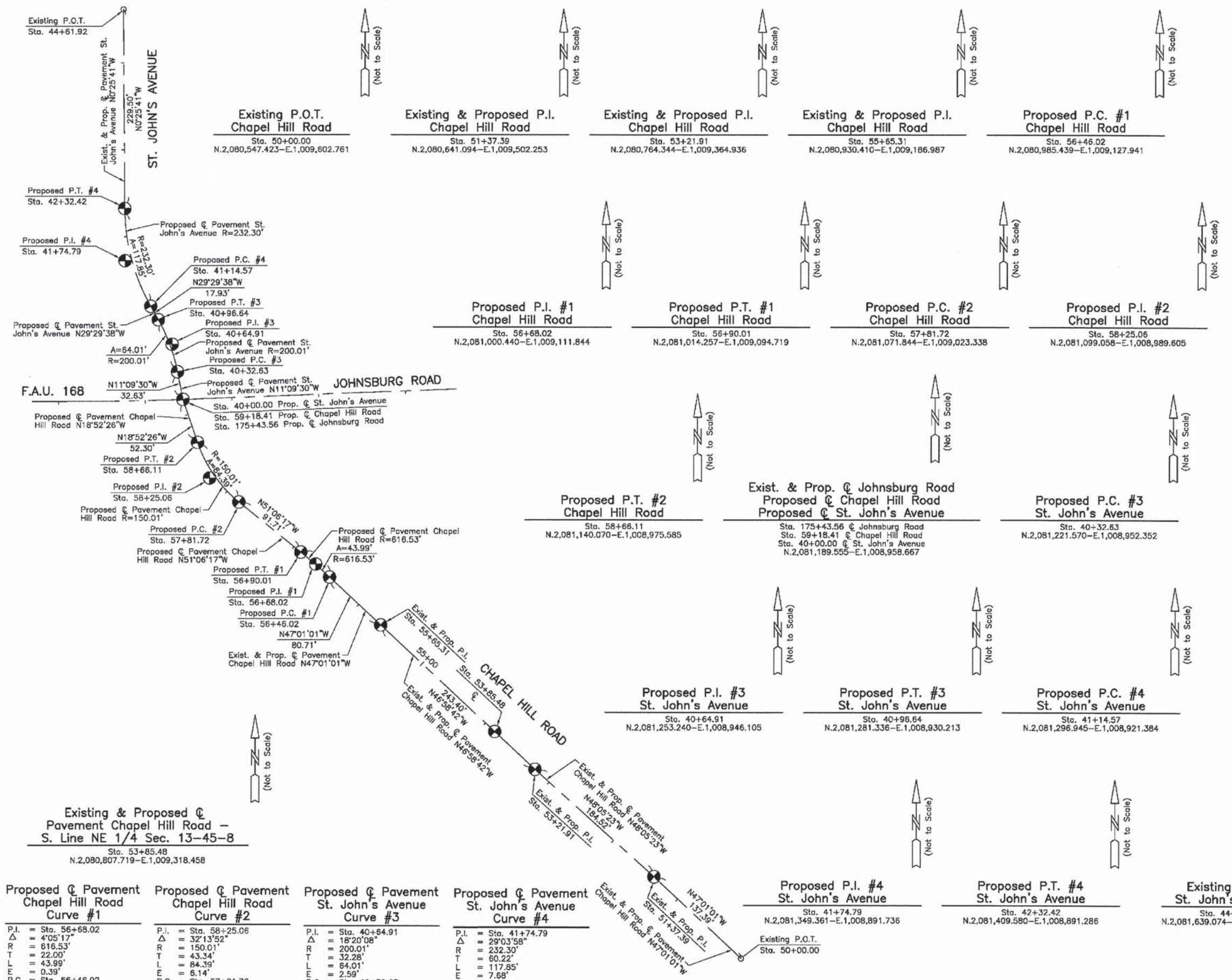
STATE OF ILLINOIS }
COUNTY OF LAKE }
THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 13, TOWNSHIP 45N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS. DATED AT LAKE VILLA, ILLINOIS THIS _____ DAY OF _____ 20__ A.D.

PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2010
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
Note: Surface Coordinates are Shown

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60048
(847) 356-3371
SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

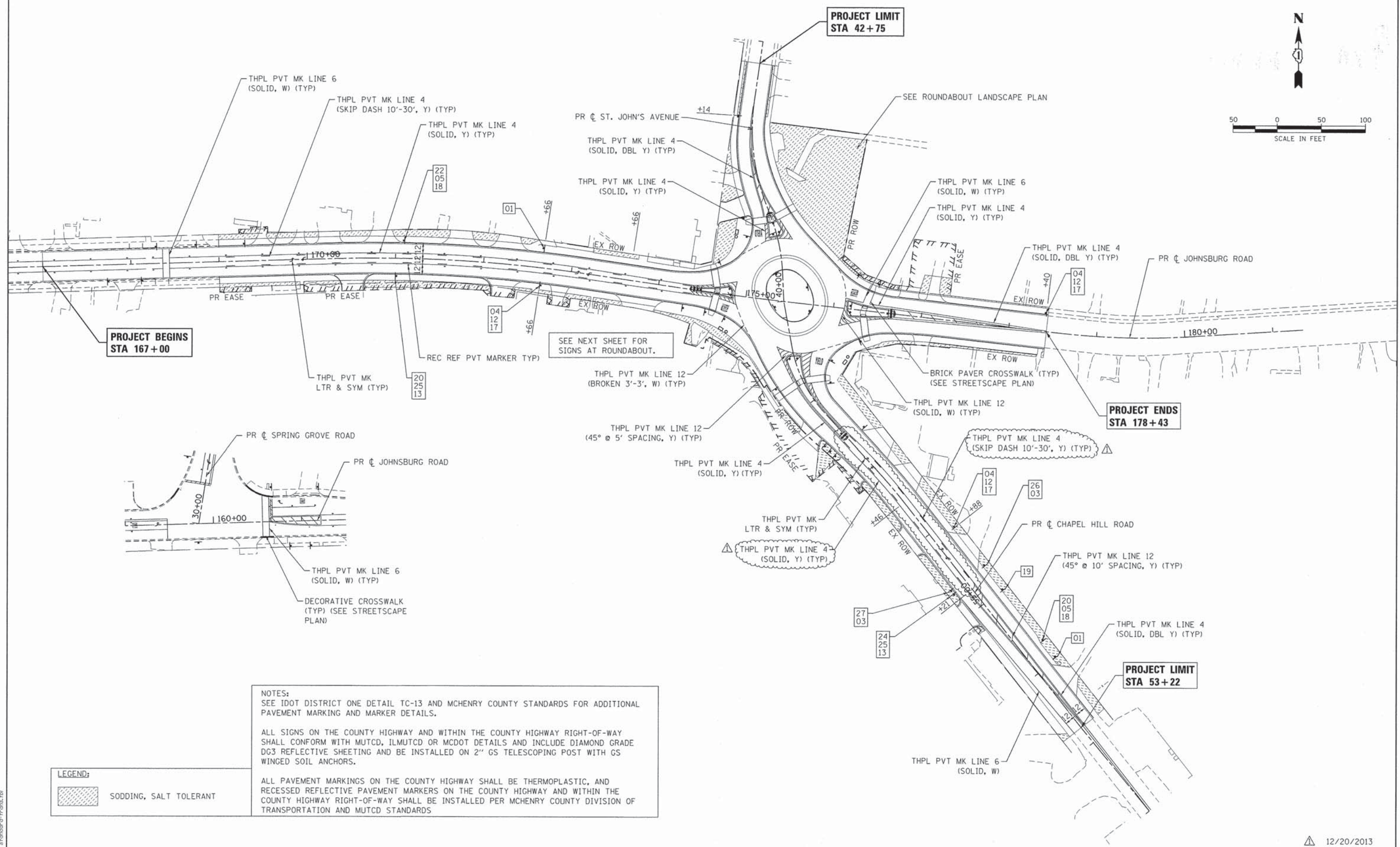
PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.U. 168 (JOHNSBURG ROAD)
SECTION 05-00314-00-WR McHENRY COUNTY
PROJECT JOB NO. R-91-005-06
STATION 40+00.00 TO STATION 44+61.92 (ST. JOHN'S AVE.)
STATION 50+00.00 TO STATION 59+18.41 (CHapel Hill Rd.)
SCALE: 1"=60' SHEET 31 OF 31

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196
AS DOCUMENT NO.



Curve #	Stationing	Bearing	Distance	Curve Data
Proposed Pavement Chapel Hill Road Curve #1	Sta. 56+68.02	N47°01'01"W	80.71'	P.I. = Sta. 56+68.02 Δ = 4°05'17" R = 616.53' T = 22.00' L = 43.99' E = 0.39'
Proposed Pavement Chapel Hill Road Curve #2	Sta. 58+25.06	N51°06'17"W	616.53'	P.I. = Sta. 58+25.06 Δ = 32°13'52" R = 150.01' T = 43.34' L = 84.39' E = 6.14'
Proposed Pavement St. John's Avenue Curve #3	Sta. 40+64.91	N29°29'38"W	200.01'	P.I. = Sta. 40+64.91 Δ = 18°20'08" R = 232.30' T = 32.28' L = 60.22' E = 2.59'
Proposed Pavement St. John's Avenue Curve #4	Sta. 41+74.79	N29°29'38"W	232.30'	P.I. = Sta. 41+74.79 Δ = 29°03'58" R = 232.30' T = 32.28' L = 60.22' E = 2.59'

COMPANY NAME: JORGENSEN & ASSOCIATES, INC.
PROJECT CONTACT: JORGENSEN & ASSOCIATES, INC.
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FILE NAME: 090622-p001-32.dgn
LOT NUMBER: 090622-p001-32.dgn
PLOT TABLE: stranda-c-trans.tbl



PROJECT BEGINS
STA 167+00

PROJECT LIMIT
STA 42+75

PROJECT ENDS
STA 178+43


PROJECT LIMIT
STA 53+22

NOTES:
SEE IDOT DISTRICT ONE DETAIL TC-13 AND MCHENRY COUNTY STANDARDS FOR ADDITIONAL PAVEMENT MARKING AND MARKER DETAILS.

ALL SIGNS ON THE COUNTY HIGHWAY AND WITHIN THE COUNTY HIGHWAY RIGHT-OF-WAY SHALL CONFORM WITH MUTCD, ILMUTCD OR MCDOT DETAILS AND INCLUDE DIAMOND GRADE DG3 REFLECTIVE SHEETING AND BE INSTALLED ON 2" GS TELESCOPING POST WITH GS WINGED SOIL ANCHORS.

ALL PAVEMENT MARKINGS ON THE COUNTY HIGHWAY SHALL BE THERMOPLASTIC, AND RECESSED REFLECTIVE PAVEMENT MARKERS ON THE COUNTY HIGHWAY AND WITHIN THE COUNTY HIGHWAY RIGHT-OF-WAY SHALL BE INSTALLED PER MCHENRY COUNTY DIVISION OF TRANSPORTATION AND MUTCD STANDARDS

LEGEND:

 SODDING, SALT TOLERANT

COMPANY NAME: HRGreen.com
PROJECT CONTACT: Illinois Professional Design Firm # 184-001322
DATE PLOTTED: 12/19/2013 2:24:48 PM
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PLOT DATE = 12/19/2013	DATE - 12/19/13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING, SIGNING AND LANDSCAPING PLAN
JOHNSBURG ROAD

SCALE: 1" = 50' SHEET NO. 1 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-03-WR	MCHENRY	120	48
CONTRACT NO. 63870				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

12/20/2013

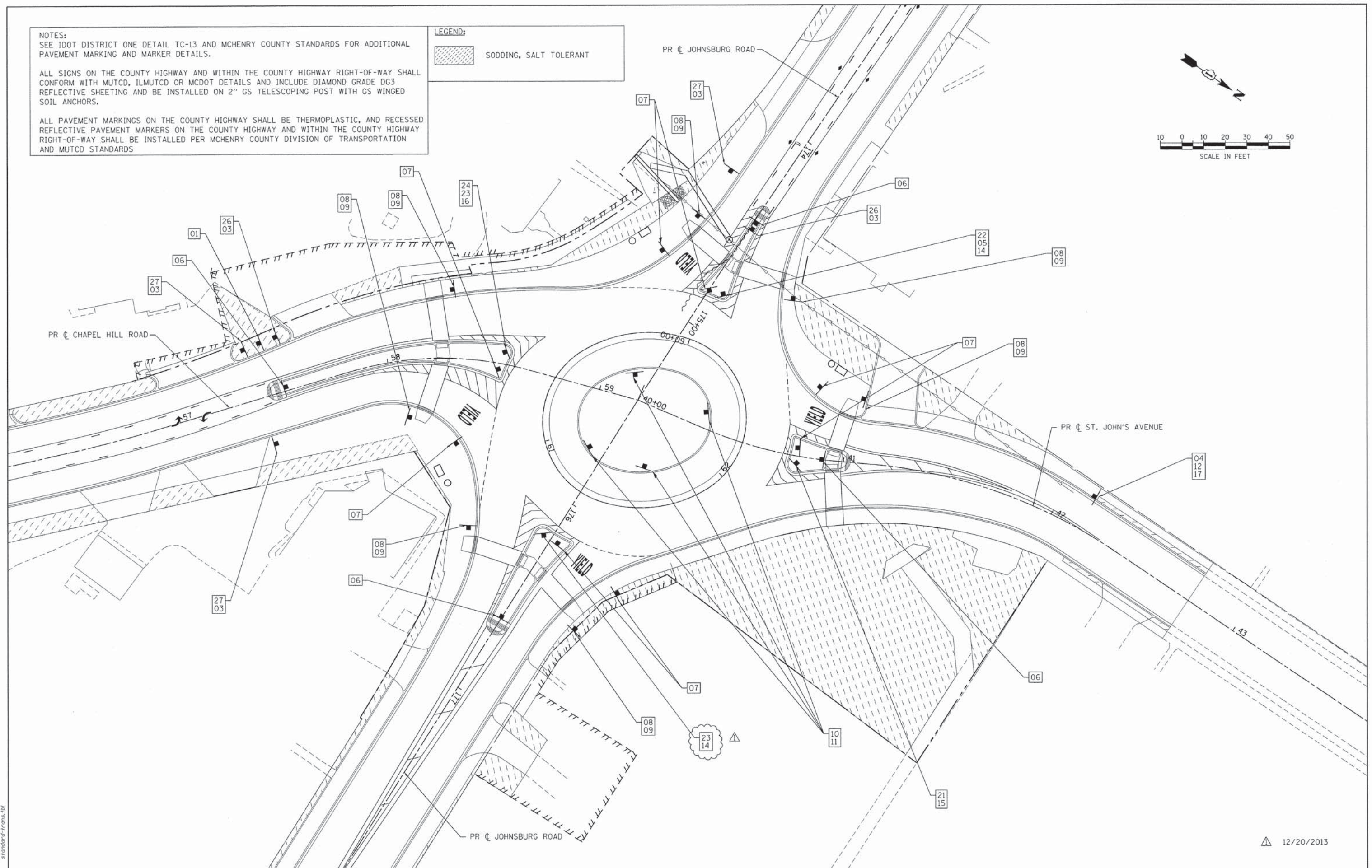
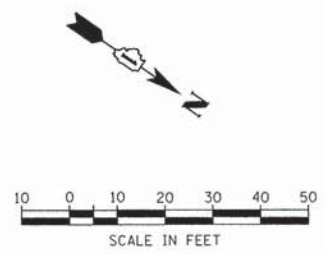
NOTES:
 SEE IDOT DISTRICT ONE DETAIL TC-13 AND MCHENRY COUNTY STANDARDS FOR ADDITIONAL PAVEMENT MARKING AND MARKER DETAILS.

ALL SIGNS ON THE COUNTY HIGHWAY AND WITHIN THE COUNTY HIGHWAY RIGHT-OF-WAY SHALL CONFORM WITH MUTCD, ILMUTCD OR MCDOT DETAILS AND INCLUDE DIAMOND GRADE DG3 REFLECTIVE SHEETING AND BE INSTALLED ON 2" GS TELESCOPING POST WITH GS WINGED SOIL ANCHORS.

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LEGEND:

 SODDING, SALT TOLERANT



COMPANY NAME: HRGreen.com
 PROJECT CONTACT: Illinois Professional Design Firm #184-001322
 CLIENT: HRGreen
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 PER TABLES: Standard & Trans.tbl



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PLOT DATE = 12/19/2013	DATE - 12/19/13	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING, SIGNING AND LANDSCAPING PLAN
 JOHNSBURG ROAD ROUNDABOUT**

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

F.A.U. RTE. 168	SECTION 05-00314-03-WR	COUNTY MCHENRY	TOTAL SHEETS 120	SHEET NO. 49
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		CONTRACT NO. 63870		

12/20/2013



01
R2-1
30" X 36"



02
NOT USED



04
W2-6
36" X 36"



05
M1-6
24" X 24"



06
R4-7
24" X 30"



07
R1-2
36" X 36"



08
W16-7p
20" X 15"



09
W11-2
36" X 36"



10
R6-4a
48" X 24"



11
R6-1
36" X 12"



12
W13-1
24" X 24"



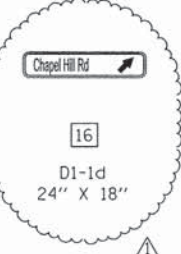
13
W17-1100
24" X 18"



14
D1-1d
24" X 18"



15
D1-1d
24" X 18"



16
D1-1d
24" X 18"



17
W16-17P
24" X 12"



18
W17-1100
24" X 9"



19
D9-14
24" X 24"



20
M2-1
21" X 15"



21
M3-1
24" X 12"



22
M3-4
24" X 12"



23
M3-2
24" X 12"



24
M3-3
24" X 12"



25
M1-6
24" X 24"



26
R3-9cP
30" X 12"



27
R3-9dP
30" X 12"

COMPANY NAME: HRGreen
PROJECT CONTACT: HRGreen.com
DATE PLOTTED: 12/19/2013 2:50:04 PM
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PLOT DATE = 12/19/2013	DATE - 12/19/13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING, SIGNING AND LANDSCAPING PLAN
SIGNING LEGEND

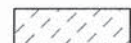


SCALE: N.T.S. SHEET NO. 4 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-03-WR	MCHENRY	120	51
CONTRACT NO. 63870			ILLINOIS FED. AID PROJECT	

12/20/2013



LEGEND

-  SODDING, SALT TOLERANT
-  BRICK PAVER BANDING OR BRICK PAVER PLAZA
-  DECORATIVE CROSSWALK

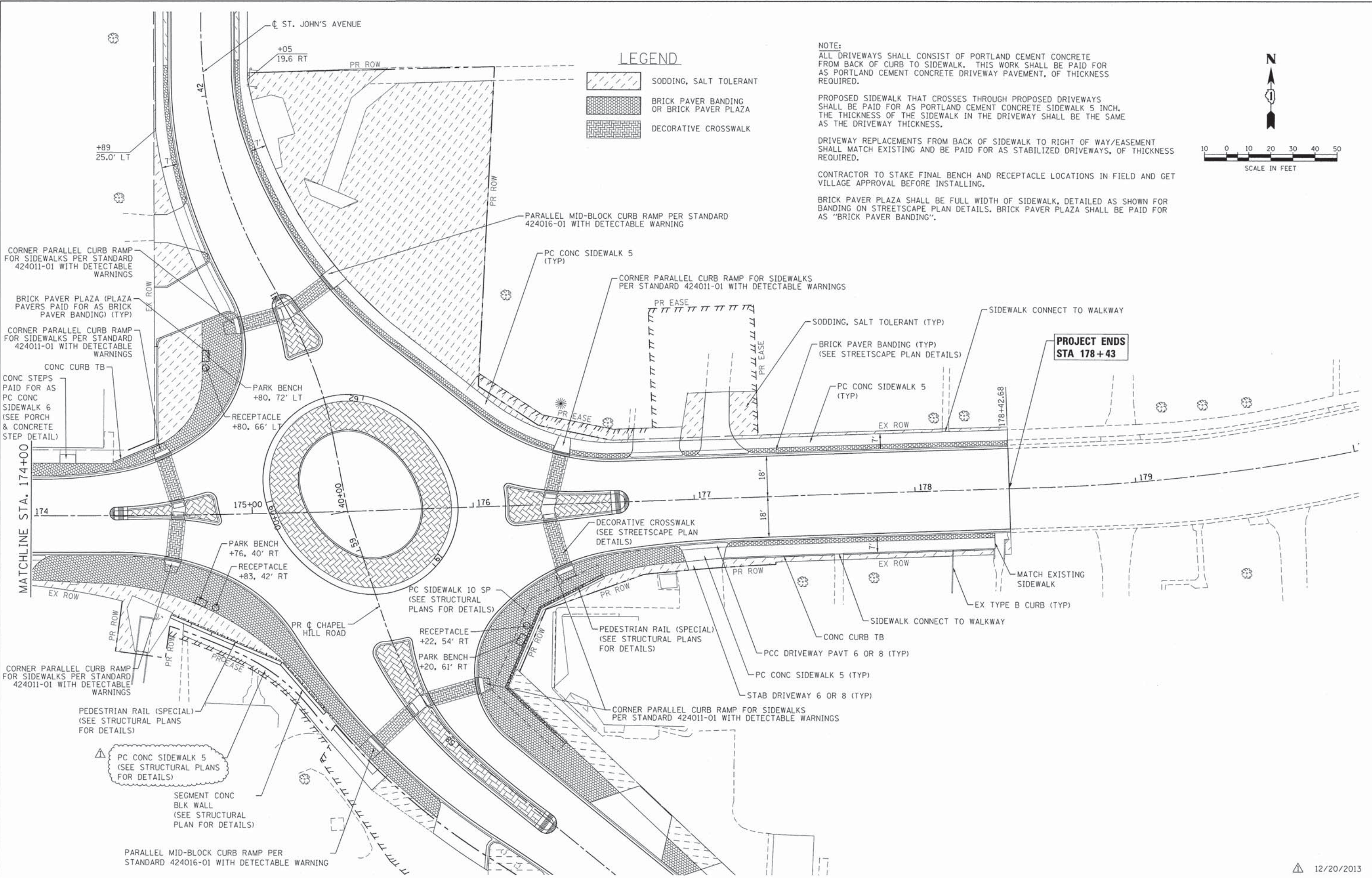
NOTE:
ALL DRIVEWAYS SHALL CONSIST OF PORTLAND CEMENT CONCRETE FROM BACK OF CURB TO SIDEWALK. THIS WORK SHALL BE PAID FOR AS PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, OF THICKNESS REQUIRED.

PROPOSED SIDEWALK THAT CROSSES THROUGH PROPOSED DRIVEWAYS SHALL BE PAID FOR AS PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH. THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY SHALL BE THE SAME AS THE DRIVEWAY THICKNESS.

DRIVEWAY REPLACEMENTS FROM BACK OF SIDEWALK TO RIGHT OF WAY/EASEMENT SHALL MATCH EXISTING AND BE PAID FOR AS STABILIZED DRIVEWAYS, OF THICKNESS REQUIRED.

CONTRACTOR TO STAKE FINAL BENCH AND RECEPTACLE LOCATIONS IN FIELD AND GET VILLAGE APPROVAL BEFORE INSTALLING.

BRICK PAVER PLAZA SHALL BE FULL WIDTH OF SIDEWALK, DETAILED AS SHOWN FOR BANDING ON STREETSCAPE PLAN DETAILS. BRICK PAVER PLAZA SHALL BE PAID FOR AS "BRICK PAVER BANDING".



**PROJECT ENDS
STA 178+43**

COMPANY NAME: HRGreen
 PROJECT CONTACT: gfourti
 DATE PLOTTED: 12/19/2013 2:06:34 PM
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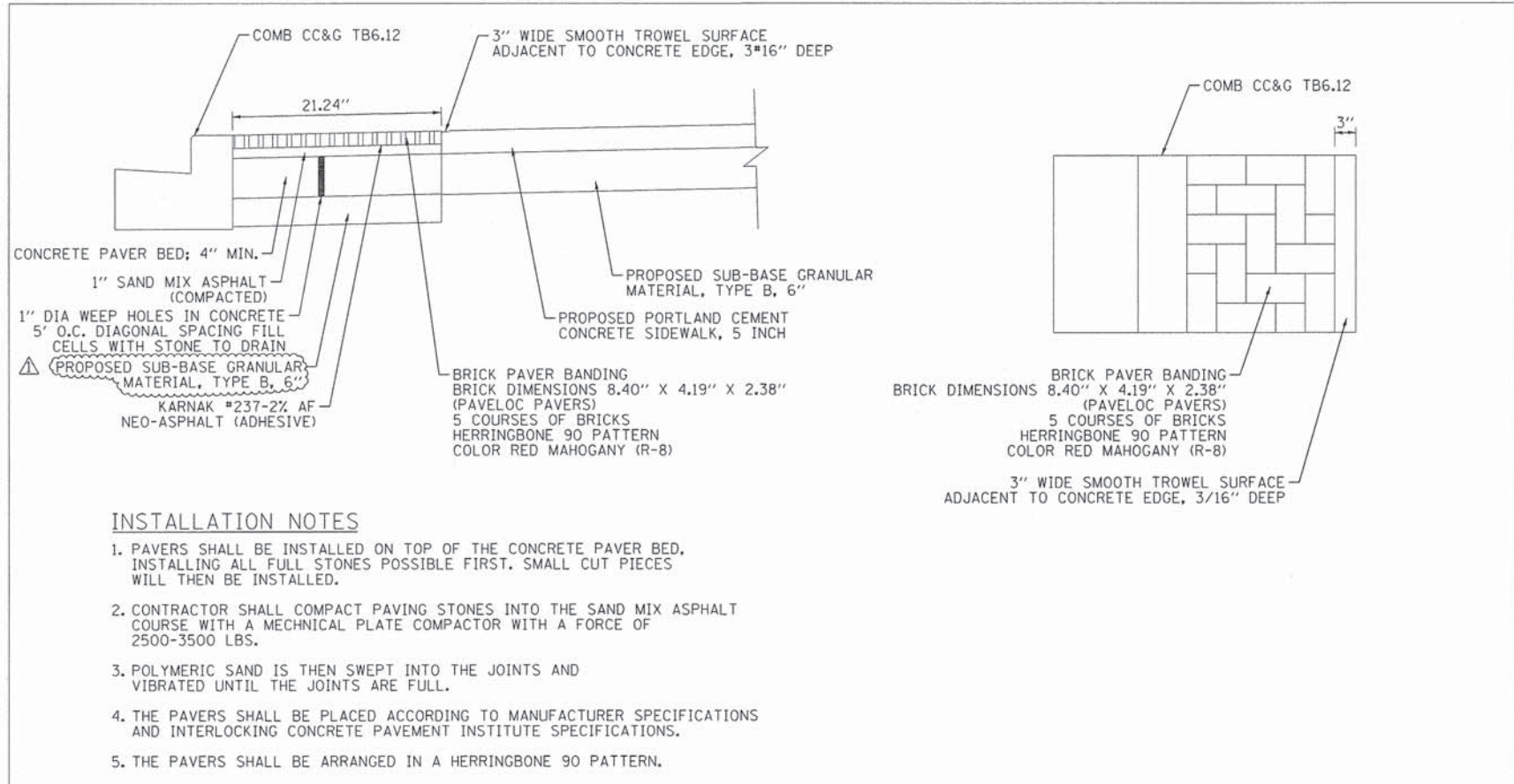
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STREETSCAPE PLAN
JOHNSBURG ROAD**

SCALE: 1" = 20' SHEET NO. 2 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-03-WR	MCHENRY	120	55
CONTRACT NO. 63870				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

12/20/2013



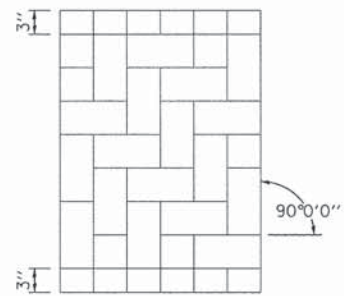
INSTALLATION NOTES

- PAVERS SHALL BE INSTALLED ON TOP OF THE CONCRETE PAVER BED. INSTALLING ALL FULL STONES POSSIBLE FIRST. SMALL CUT PIECES WILL THEN BE INSTALLED.
- CONTRACTOR SHALL COMPACT PAVING STONES INTO THE SAND MIX ASPHALT COURSE WITH A MECHANICAL PLATE COMPACTOR WITH A FORCE OF 2500-3500 LBS.
- POLYMERIC SAND IS THEN SWEEPED INTO THE JOINTS AND VIBRATED UNTIL THE JOINTS ARE FULL.
- THE PAVERS SHALL BE PLACED ACCORDING TO MANUFACTURER SPECIFICATIONS AND INTERLOCKING CONCRETE PAVEMENT INSTITUTE SPECIFICATIONS.
- THE PAVERS SHALL BE ARRANGED IN A HERRINGBONE 90 PATTERN.

BRICK PAVER BANDING
N.T.S.

DECORATIVE CROSSWALK DETAILS

Pattern Details
Color: Burnt Red



HERRINGBONE 90 PATTERN
N.T.S.

COMPANY NAME: HRGreen
PROJECT CONTACT: HRGreen
DATE PLOTTED: 12/19/2013 2:03:23 PM
FILE NAME: 080622-scw-05.dgn
PLOT DATE: 12/19/2013
PLOT SCALE: N.T.S.

12/20/2013



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

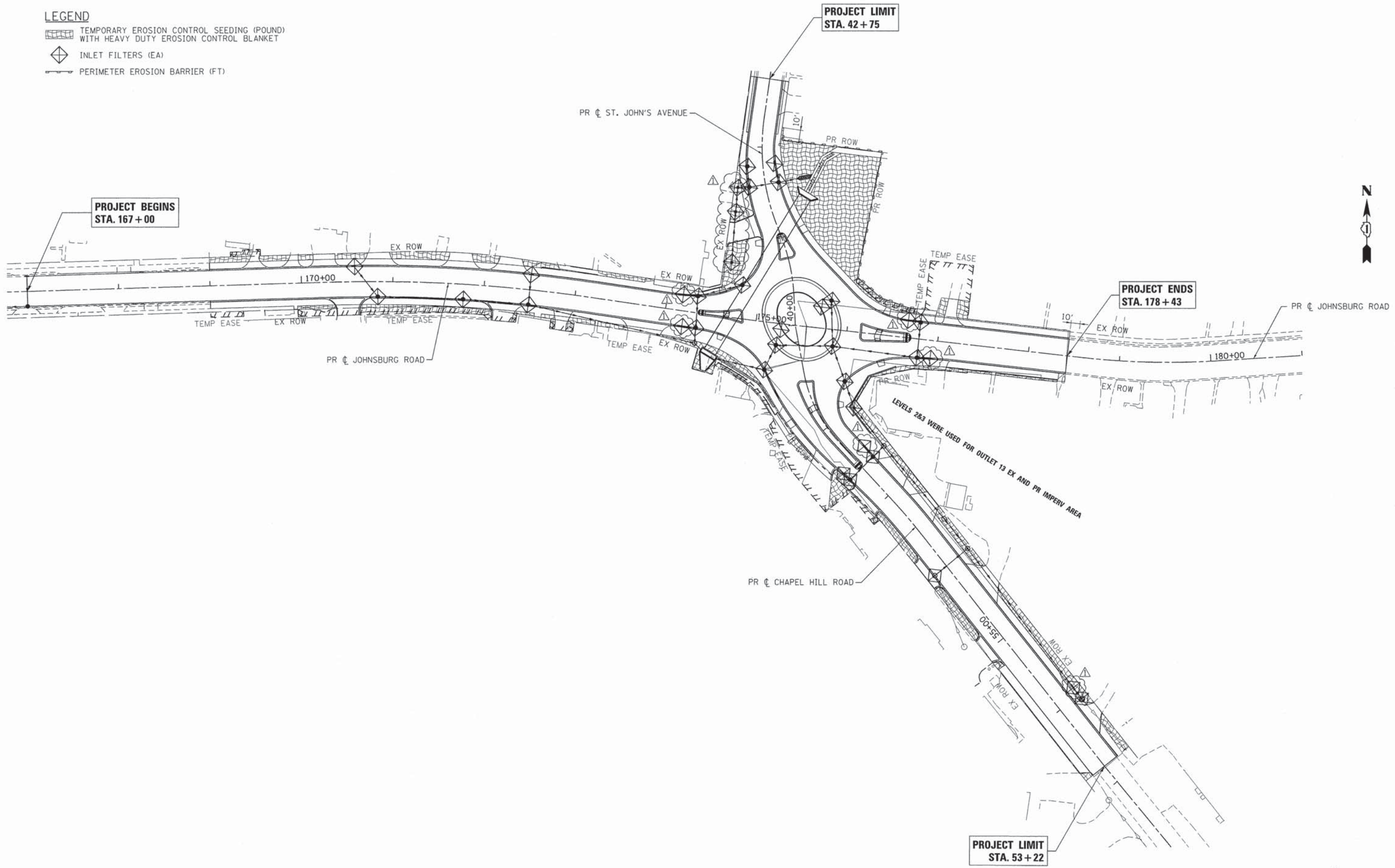
STREETSCAPE PLAN DETAILS
BRICK PAVER BANDING AND DECORATIVE CROSSWALK

SCALE: N.T.S. SHEET NO. 4 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-03-WR	MCHENRY	120	57
CONTRACT NO. 63870			ILLINOIS FED. AID PROJECT	

LEGEND

-  TEMPORARY EROSION CONTROL SEEDING (POUND) WITH HEAVY DUTY EROSION CONTROL BLANKET
-  INLET FILTERS (EA)
-  PERIMETER EROSION BARRIER (FT)



COMPANY NAME: HRGreen
 PROJECT CONTACT: gfourti
 CLIENT: OTTEG
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PLOT DATE = 12/19/2013	DATE - 12/19/13	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL PLAN
JOHNSBURG ROAD, CHAPEL HILL ROAD AND ST. JOHN'S AVENUE**

SCALE: 1" = 50' SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-03-WR	MCHENRY	120	59
CONTRACT NO. 63870				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

12/20/2013




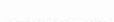






GENERAL ELECTRICAL PLAN NOTES

- THIS PROJECT INCLUDES THE INSTALLATION OF INTERSECTION LIGHTING AT JOHNSBURG RD AND CHAPEL HILL RD ALONG WITH PEDESTRIAN LIGHTING FROM EAST OF SPRING GROVE ROAD TO ST. JOHNS/CHAPEL HILL RD.
- THE CONTRACTOR SHALL CONTACT THE ELECTRIC UTILITY COMPANY TO COORDINATE THE ELECTRIC SERVICE WORK.
- THE CONTRACTOR SHALL SUBMIT FOR THE RESIDENT ENGINEER'S REVIEW WITHIN 30 DAYS AFTER CONTRACT EXECUTION, EIGHT COPIES OF APPROVED MANUFACTURER'S PRODUCT DATA AND DETAILED SHOP DRAWINGS TO THE RESIDENT ENGINEER.
- TO MAINTAIN THE STRUCTURAL INTEGRITY OF THE LIGHT POLES, THE LIGHT POLES SHALL NOT BE ERECTED AND/OR LEFT TO STAND WITHOUT LUMINAIRE. NOTE THAT THE LIGHT POLES WILL NOT BE PAID FOR UNTIL THE POLES ARE FULLY APPROVED AND THE LUMINAIRES AND ACCESSORIES ARE INSTALLED.
- THE QUANTITIES OF RACEWAY WHERE INDICATED IN THESE PLANS ARE APPROXIMATIONS ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL LENGTHS AND SHALL INSTALL RACEWAYS IN COMPLETE COMPLIANCE WITH THE SPECIFIED REQUIREMENTS.
- THE CONTRACTOR SHALL NOTIFY J.U.L.I.E. TO LOCATE AND MARK/STAKE ALL UNDERGROUND UTILITIES.
- THE CONTRACTOR SHALL NOTIFY THE VILLAGE OF JOHNSBURG/MCHENRY COUNTY TO LOCATE AND MARK ALL VILLAGE OWNED AND COUNTY OWNED UNDERGROUND UTILITIES.
- TRENCHES FOR LIGHTING RACEWAYS SHALL HAVE A MINIMUM DEPTH OF 30".
- WHERE SEPARATE CIRCUIT RUNS ARE TO BE INSTALLED PARALLEL WITH EACH OTHER, ONE COMMON TRENCH MAY BE USED.
- THE CONTRACTOR SHALL COORDINATE THE FOUNDATION HEIGHTS WITH THE FINISHED SIDEWALK ELEVATION SO FOUNDATION DOES NOT PROTRUDE BEYOND SPECIFIED REQUIREMENTS.
- AT THE COMPLETION OF THE PROJECT THE INTERSECTION LIGHTING SYSTEM SHALL BE OWNED AND MAINTAINED BY MCHENRY COUNTY.
- AT THE COMPLETION OF THE PROJECT THE PEDESTRIAN LIGHTING SYSTEM SHALL BE OWNED AND MAINTAINED BY THE VILLAGE OF JOHNSBURG.
- LIGHTING SYSTEM INSTALLATION SHALL CONFORM TO THE LATEST IDOT STANDARDS, NEC AND LOCAL CODES.
- ALL ELECTRICAL EQUIPMENT AND PRODUCTS SHALL BE U/L LISTED AND LABELED.
- THE CONTRACTOR SHALL SUBMIT FOUR (4) SETS OF FULL SIZED COMPLETE AND ACCURATE "RECORD DRAWINGS" TO THE ENGINEER FOR REVIEW AND COMMENT, AS SPECIFIED. THE "RECORD DRAWINGS" SHALL BE UPDATED ON A REGULAR BASIS AND DEPICT ALL ROADWAY LIGHTING MATERIAL INSTALLATIONS WITH ANY CHANGES INDICATED IN RED. "REPRODUCIBLE RECORD DRAWINGS" SHALL BE SUBMITTED AT LEAST 7 DAYS BEFORE SCHEDULING A FINAL INSPECTION.
- ALL UNIT DUCT FOR MCHENRY COUNTY LIGHTING RUNS SHALL CONTAIN AN INSULATED, GREEN TRACER WIRE 1/C, NO. 14. THE COST OF THE TRACER WIRE SHALL BE INCLUDED IN THE COST OF PAY ITEM UNIT DUCT, 600V, 3-1/C NO. 6, 1/C NO. 8 GROUND (XLP-TYPE USE), 1" DIA. POLYETHYLENE. THE TRACER WIRE SHALL BE SPLICED IN POLE HAND HOLE AND GROUNDED.
- THE LIGHTING CABINET WILL HAVE A SKELETON LOCK BY CORBIN. THE COST SHALL BE INCLUDED IN THE COST OF THE CABINET.
- THE 35 FT. MH LIGHTING UNITS SHALL BE INSTALLED ON LIGHT POLE FOUNDATION, METAL, 1 1/2" BOLT CIRCLE. THE ORNAMENTAL LIGHTING UNITS SHALL BE INSTALLED ON LIGHT POLE FOUNDATION, 24" DIA. (CONCRETE).
- ALL 250W METAL HALIDE LUMINAIRES SHALL BE INSTALLED WITH HOUSE-SIDE SHIELDS.

SUMMARY OF QUANTITIES - ROADWAY LIGHTING IMPROVEMENT

PAY ITEM	DESCRIPTION	UNIT	QUANTITY
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1
80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	410
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	458
81028710	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 3/4" DIA.	FOOT	2350
81603050	UNIT DUCT, 600V, 3-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	1550
81603090	UNIT DUCT, 600V, 3-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	2340
81702440	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 1/0	FOOT	66
82500350	LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 100AMP	EACH	1
83007400	LIGHT POLE, ALUMINUM, 35 FT. M.H., 10 FT. MAST ARM	EACH	16
83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	216
83600352	LIGHT POLE FOUNDATION, METAL, 1 1/2" BOLT CIRCLE, 8 3/8" X 6"	EACH	16
83800105	BREAKAWAY DEVICE, TRANSFORMER BASE, 11.5 INCH BOLT CIRCLE	EACH	16
X0326654	ORNAMENTAL LIGHT UNIT, COMPLETE	EACH	24
X8950130	MODIFY EXISTING LIGHTING CONTROLLER	EACH	1
XX007797	LUMINAIRE (SPECIAL)	EACH	16

LEGEND

-  LIGHTING UNIT: 35 FT MH, 10 FT MA 250W METAL HALIDE, MCIII LUMINAIRE WITH BREAKAWAY DEVICE
-  HANDHOLE
-  UNIT DUCT (SIZE AS NOTED ON PLANS)
-  ELECTRIC CABLE IN CONDUIT 3-1/C #1/0 (XLP-TYPE USE)
-  UTILITY SERVICE CONNECTION, POLE MOUNTED
-  LIGHTING CONTROLLER, 120/240V 1Ø, 3 WIRE
-  UNDERGROUND RIGID GALVANIZED STEEL CONDUIT (TO BE INSTALLED UNDER PAVEMENT)
-  GROUND ROD
-  ORNAMENTAL LIGHT UNIT WITH BANNER: 18'-7" MH, 2 FT MA 100W METAL HALIDE LUMINAIRE (UNITS ON CIRCUITS "E" AND "H")
-  ORNAMENTAL LIGHT UNIT WITH PLANTER: 18'-7" MH, 2 FT MA 100W METAL HALIDE LUMINAIRE (UNITS ON CIRCUITS "F" AND "G")

12/20/2013

PROFESSIONAL ENGINEER'S SIGN & SEAL

FOR LIGHTING SHEETS: _____

BRENDA D LOWERY, P.E.
EXPIRES 11-30-2013



COMPANY NAME: HRGreen.com
 PROJECT CONTACT: HRGreen.com
 CLIENT: HRGreen.com
 FILE NAME: RLP-01.dgn
 PLOT DRIVER: perf.plt
 PEN TABLE: standard-trans.tbl
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HRGreen.com
Illinois Professional Design Firm
184-001322

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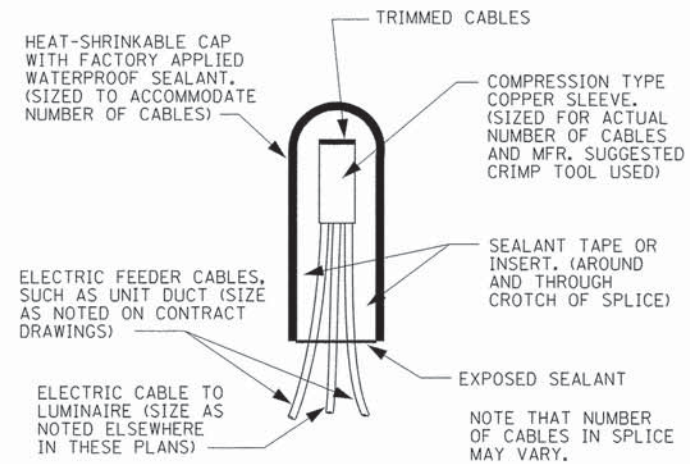
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LIGHTING PLAN
GENERAL NOTES, SUMMARY OF QUANTITIES AND LEGEND**

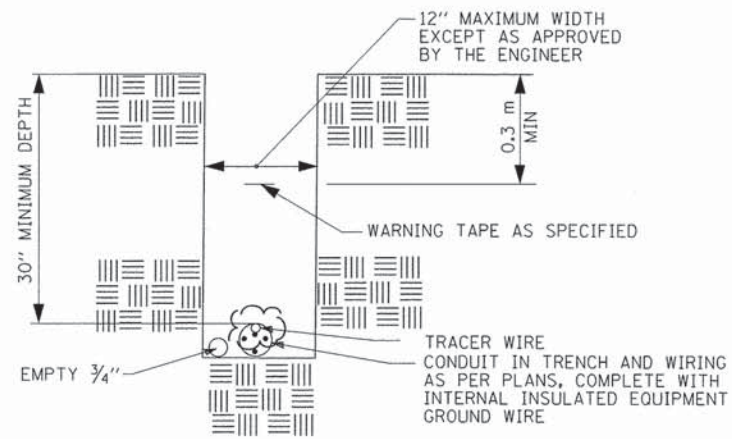
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-03-WR	MCHENRY	120	61
CONTRACT NO. 63870			ILLINOIS FED. AID PROJECT	

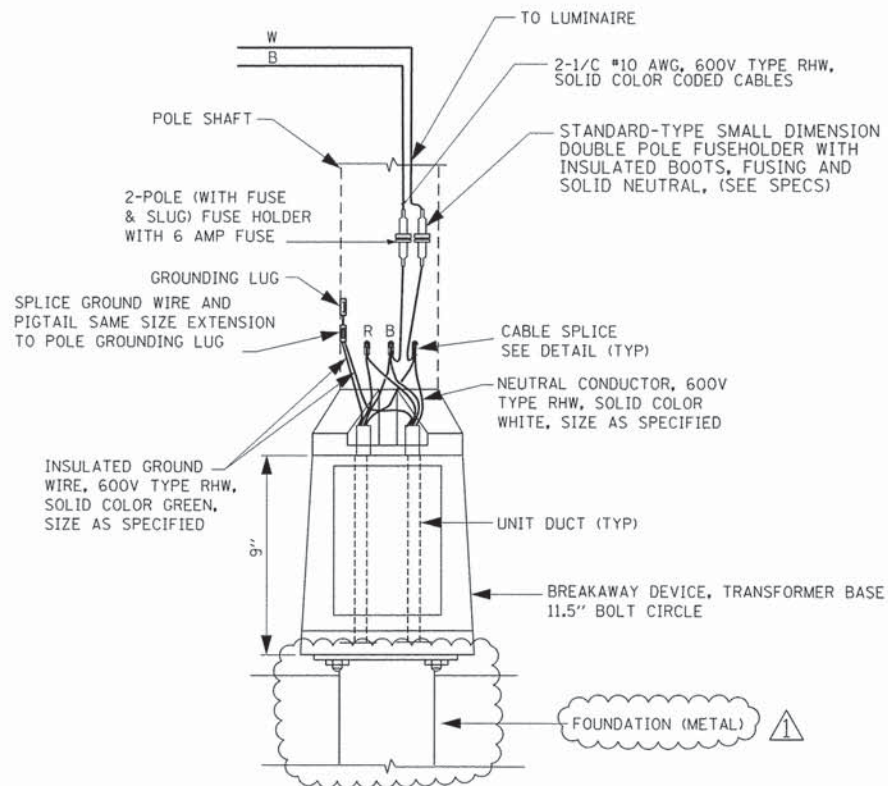
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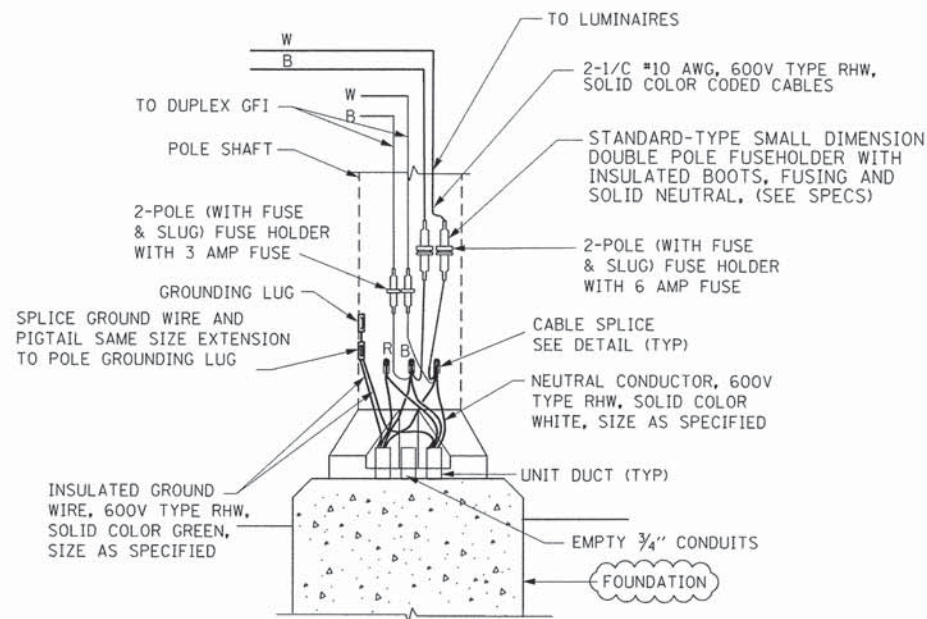
SPLICING DETAIL
N.T.S.



TYPICAL CONDUIT IN TRENCH DETAIL
N.T.S.



POLE BASE WIRING DIAGRAM
SINGLE MAST ARM
N.T.S.



DECORATIVE POLE BASE WIRING DIAGRAM
N.T.S.

TRACER CABLE #14 IC SHALL BE INCLUDED IN THE UNIT DUCT AT NO ADDITIONAL COST. TRACER CABLE SHALL BE SPLICED IN POLES (WITH WIRE NUT) AND GROUNDED AT ENDS. TRACER WIRE SHALL BE CONNECTED TO POLE GROUND ONLY IN POLES AT END OF RUNS. IN REMAINING POLES, TRACER WIRE SHALL BE SPLICED AT UPPER HANDHOLE AND ROUTED THROUGH AND INTO LIGHTING CABINET UNGROUNDED.

12/20/2013

COMPANY NAME: HRGreen
PROJECT CONTACT: HRGreen.com
CLIENT: Illinois Professional Design Firm
DATE PLOTTED: 12/19/2013 2:53:45 PM
FILE NAME: RLP-07.dgn
PLOT DEVICE: pdfplot
PEN TABLE: standard-trans.tbl



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PLOT SCALE = NTS	CHECKED -	REVISED -
PLOT DATE = 12/19/2013	DATE = 12/19/13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN
MISCELLANEOUS ELECTRICAL DETAILS AND WIRING DIAGRAM

SCALE: NTS SHEET NO. 5 OF 12 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-03-WR	MCHENRY	120	65
CONTRACT NO. 63870			ILLINOIS FED. AID PROJECT	

RLP-05

SUGGESTED STAGE CONSTRUCTION SEQUENCE:

**PRECAST CONCRETE BOX CULVERT #1,
END SECTION AND WEIR STRUCTURE**

Stage 1

1. Divert traffic to the north as shown in Maintenance Of Traffic Plan.
2. Drive temporary sheetpile at stage construction line.
3. Construct 30 inch diameter temporary diversion pipe and manhole. Divert flow from existing 48" x 20" box culvert and remove culvert to south of stage construction line. Cost included under REMOVE EXISTING STRUCTURE.
4. Excavate, place bedding and set the southmost 42 linear feet of Precast Concrete Box Culvert.

Stage 2

1. Backfill over box culvert, construct temporary pavement and move traffic to south as shown in the Maintenance Of Traffic Plan.
2. Excavate, place bedding and set the remaining 158 linear feet of Precast Concrete Box Culvert.
3. Construct Box Culvert End Section (North End).
4. Place temporary diversion dam and 18 inch diameter diversion pipe inside south end of new culvert as shown on Detail 2A. Temporary diversion dam or diversion system shall be a method approved by the local Soil and Water Conservation District and consist of sandbags, or another temporary diversion system approved by the Engineer. Cost included under REMOVE EXISTING STRUCTURE. Note that design of the 18 inch pipe, suspension for the pipe and the temporary diversion dam shall be completed by the Contractor and details of same shall be submitted to the Engineer for approval.
5. Grade upstream detention area and divert stream flow to new box culvert and 18 inch temporary diversion pipe.

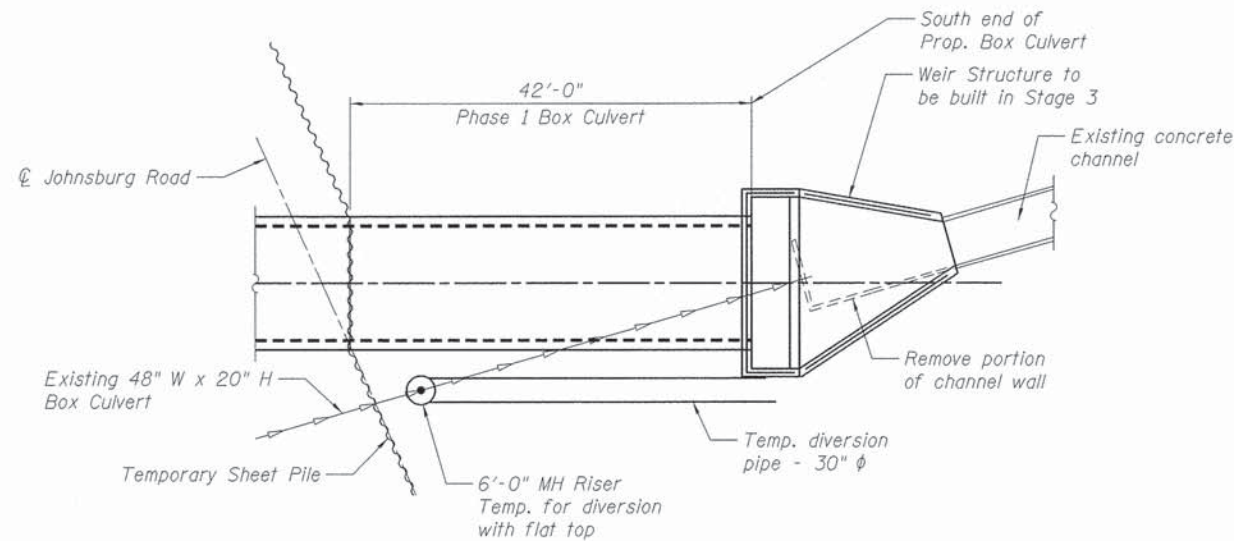
6. Remove existing box culvert. Paid for as removal of existing structures No. 1. ⚠

7. Remove temporary sheet pile.

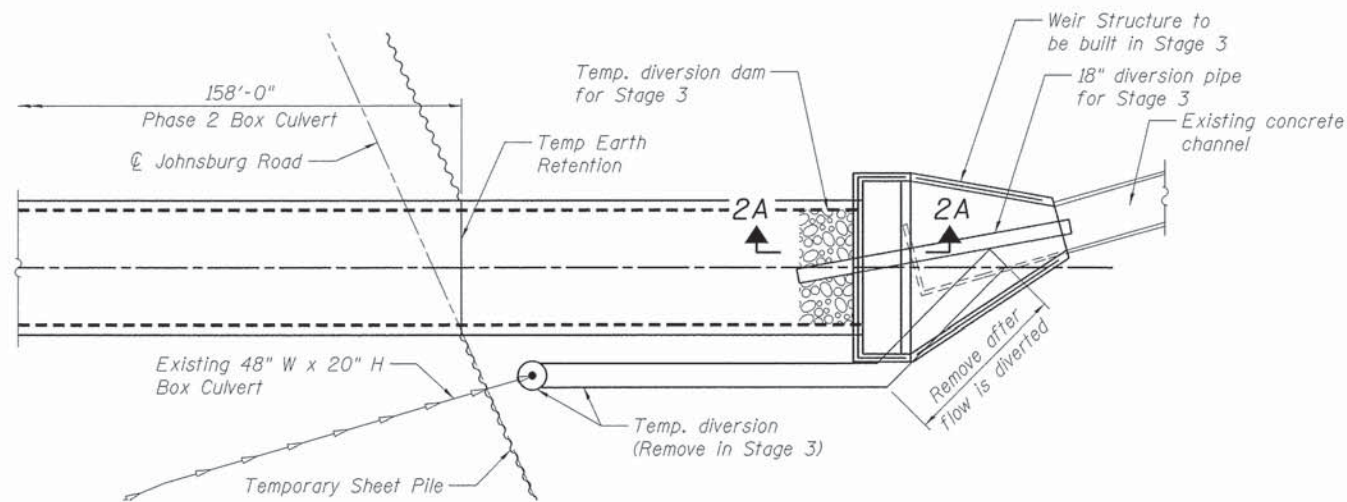
Stage 3

1. Short term closure; see the Maintenance of Traffic Plan.
2. Remove the 30 inch temporary diversion pipe. Remove the temporary manhole. Cost included under REMOVE EXISTING STRUCTURE.
3. Construct the weir structure apron slab. Pour at least 6" of wingwalls and weir wall with apron.
4. Remove 18" temporary diversion pipe and supports. Remove temporary diversion dam. Cost included under REMOVE EXISTING STRUCTURE.
5. Construct remainder of wingwalls, headwall, and weir. Connect storm sewer to weir structure. Complete retaining walls and construct roadway and sidewalks. Add railings, etc.

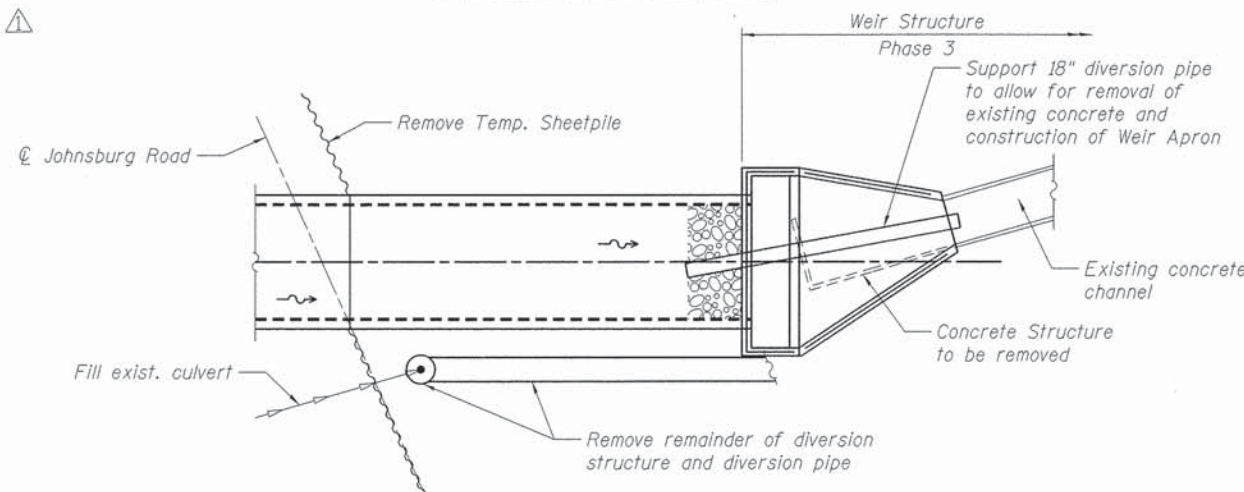
⚠ 12/20/2013



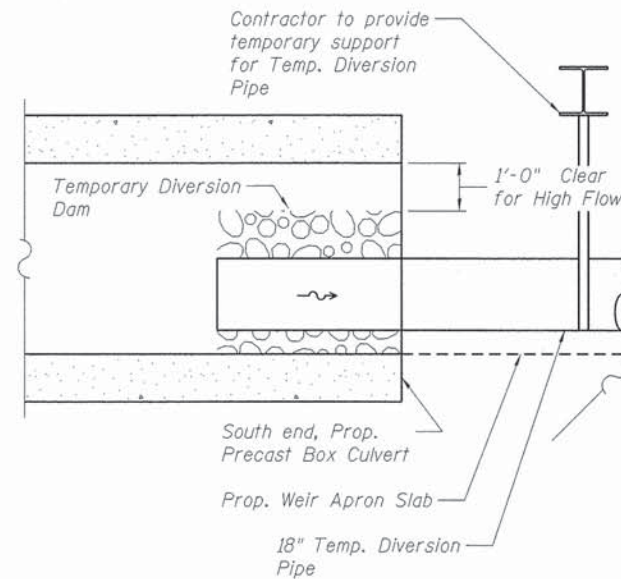
STAGE 1 CONSTRUCTION



STAGE 2 CONSTRUCTION



STAGE 3 CONSTRUCTION



DETAIL 2A

**SUGGESTED CONSTRUCTION SEQUENCE
CULVERT
JOHNSBURG ROAD (FAU ROUTE 0168)
SECTION NO. 05-00314-00-WR
McHENRY COUNTY**

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PROJECT CONTACT: HRGreen.com
CLIENT: Illinois Professional Design Firm
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PLOT TABLE: standard.dwt

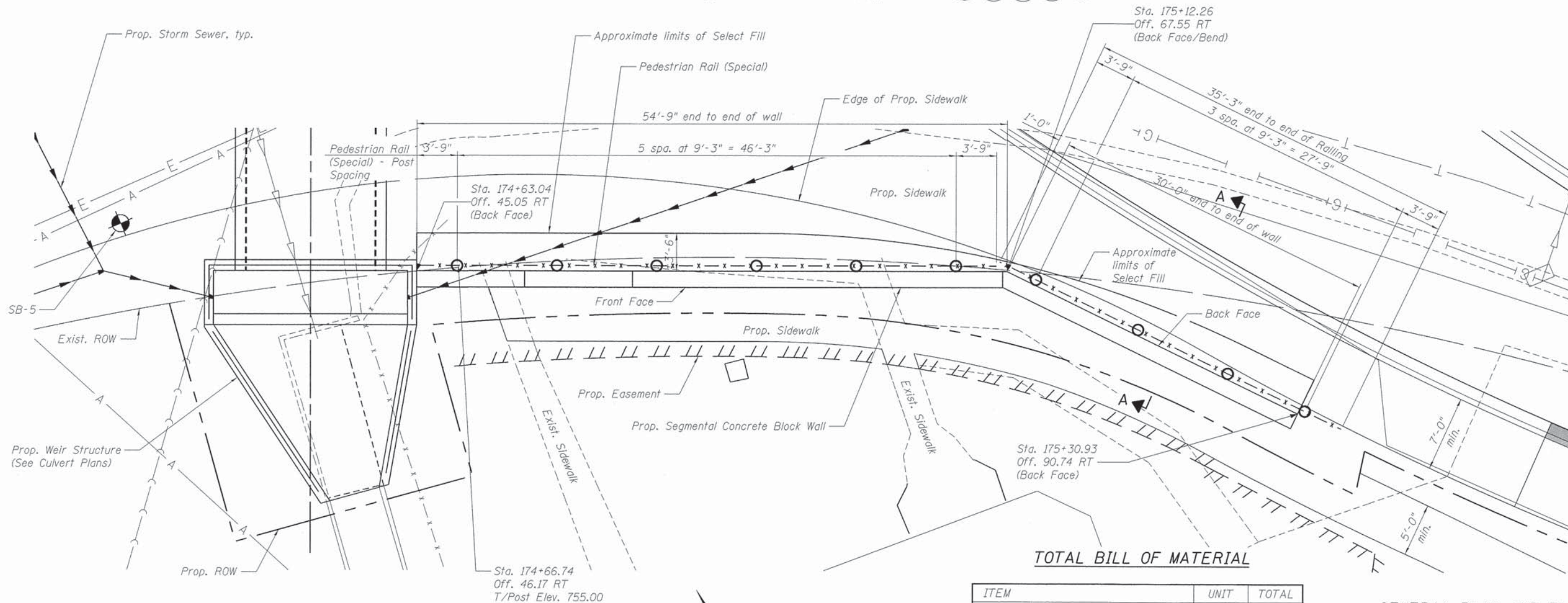
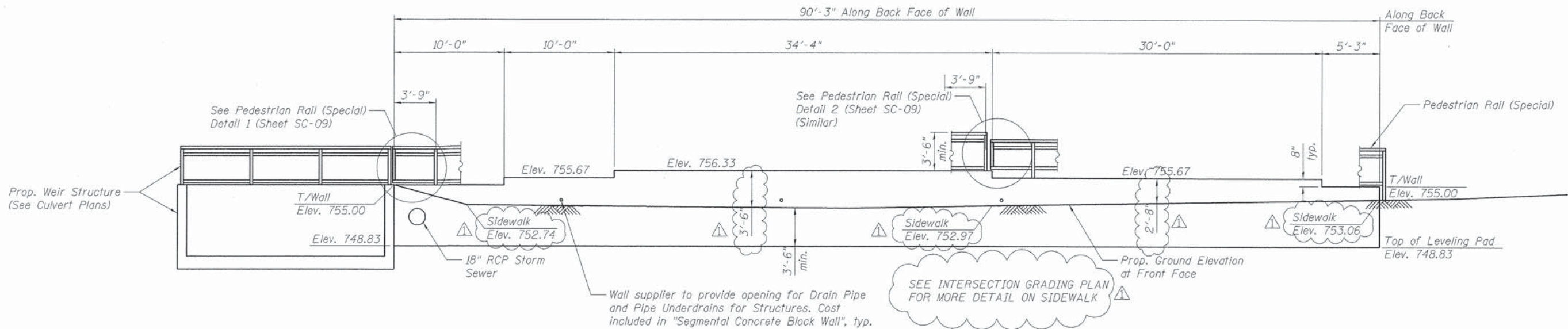


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SHEET NO. SC-02A OF SC10 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0168	05-00314-00-WR	McHENRY	120	75
CONTRACT NO. 63870			ILLINOIS FED. AID PROJECT #FEDPROJNO#	



12/20/2013

Notes:
Station and offsets are based of the proposed Johnsburg Road alignment.

Contractor shall verify and adjust the top of post elevations with actual field conditions and the segmental wall system selected. Maintain minimum 3'-6" above sidewalk.

Excavation required for installation of Segmental Concrete Block Wall shall be done in accordance with the applicable portions of Section 502 of the Standard Specifications and will be paid for as Structure Excavation.

The color of the wall shall be approved by the Engineer.

**GENERAL PLAN AND ELEVATION
RETAINING WALL
JOHNSBURG ROAD (FAU ROUTE 0168)
SECTION NO. 05-00314-00-WR
McHENRY COUNTY
STATION 174+63.04 TO STATION 175+48.01**

COMPANY NAME:
PROJECT CONTACT:
CLIENT:
DATE PLOTTED:
PLOT DRIVER:
PEN TABLE:



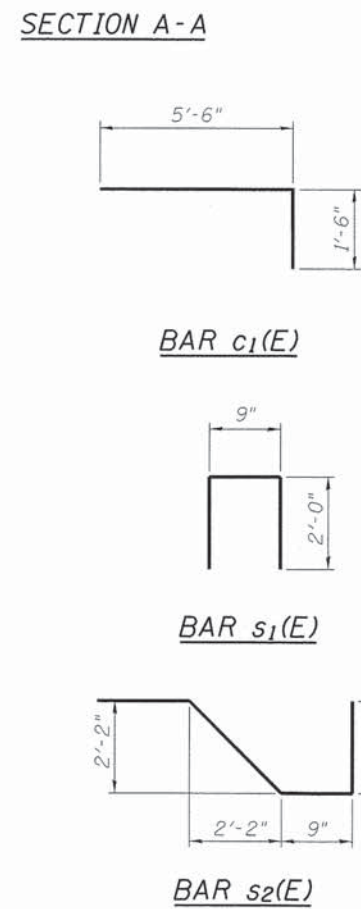
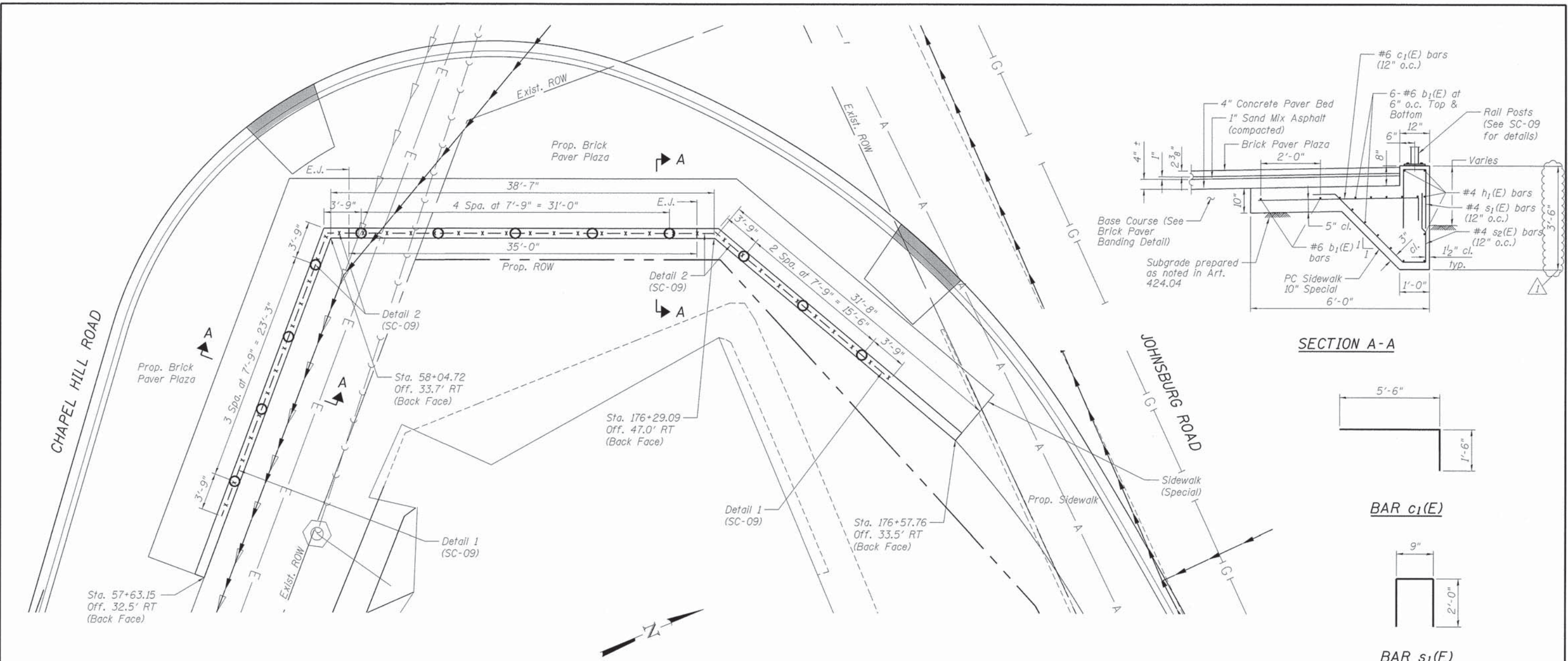
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SHEET NO. SC-08 OF SC-10 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0168	05-00314-00-WR	McHENRY	120	81

CONTRACT NO. 63870
ILLINOIS FED. AID PROJECT #FEDPROJNO#



TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
PC Sidewalk 10 Inch Special	Sq. Ft.	663
Structure Excavation	Cu. Yd.	43
Pedestrian Rail (Special)	Foot	87

Excavation required for installation of Portland Cement Concrete Sidewalk, 10 inch, Special shall be done in accordance with the applicable portions of Section 502 of the Standard Specifications and will be paid for as Structure Excavation.

E.J. = Expansion Joint, see Special Provision. No reinforcement shall pass through E.J.

BILL OF MATERIAL

Cost shall be included in PC Conc Sidewalk 10 SP

Bar	No.	Size	Length	Shape
b ₁ (E)	42	#6	40'-0" *	—
c ₁ (E)	106	#6	7'-0" *	┌
h ₁ (E)	12	#4	40'-0" *	—
s ₁ (E)	106	#4	4'-9" *	┌
s ₂ (E)	106	#4	7'-0" *	┌

* Supply 40'-0" long and trim only as needed to fit in forms.

**GENERAL PLAN
SIDEWALK (SPECIAL)
JOHNSBURG ROAD (FAU ROUTE 0168)
SECTION NO. 05-00314-00-WR
McHENRY COUNTY**

Notes:
Station and offsets are based of the proposed Johnsburg Road and Chapel Hill Road alignments.
Contractor shall verify the top of post elevations with actual field conditions.
PC Conc Sidewalk 10 SP shall be constructed as detailed herein. Cost of Reinforcement and Concrete shall be included in the square foot unit price for PC Conc Sidewalk 10 SP. Construction in accordance with Sections 424, 503 and 508.

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PROJECT CONTACT: HRGreen.com
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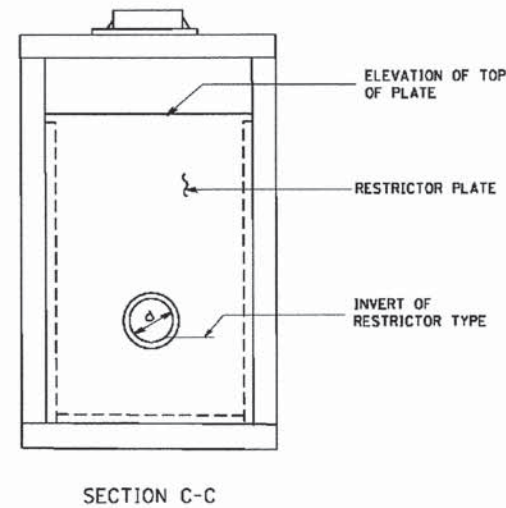
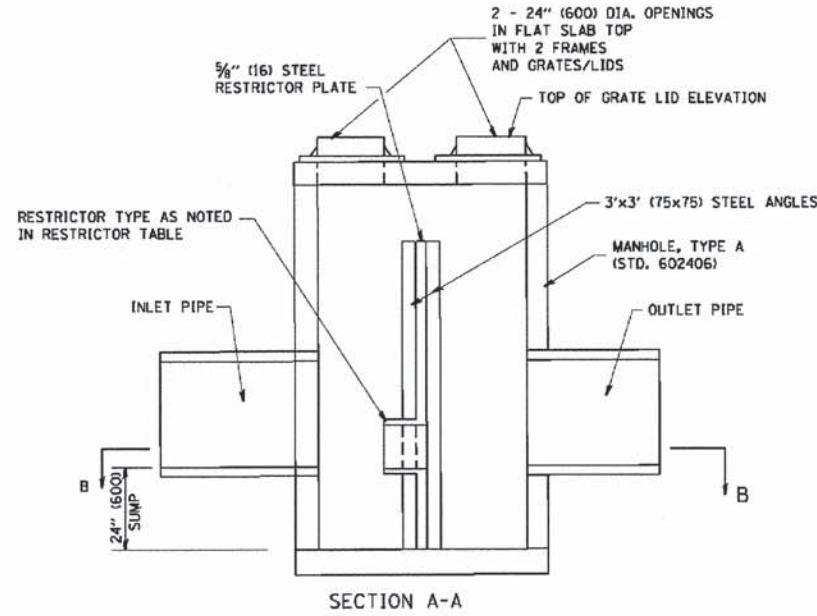
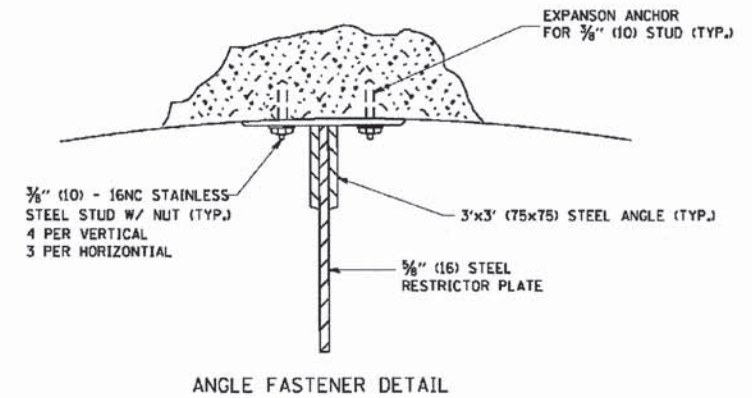
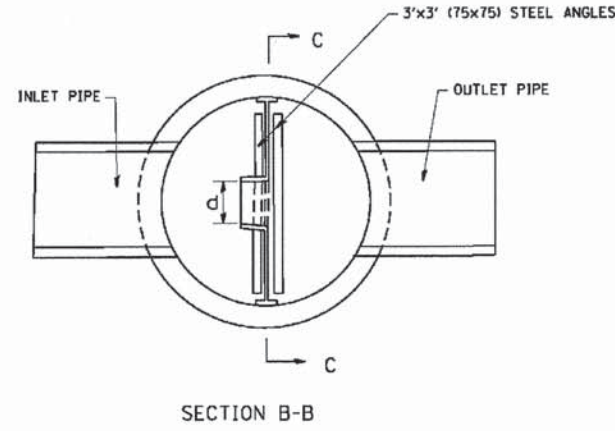
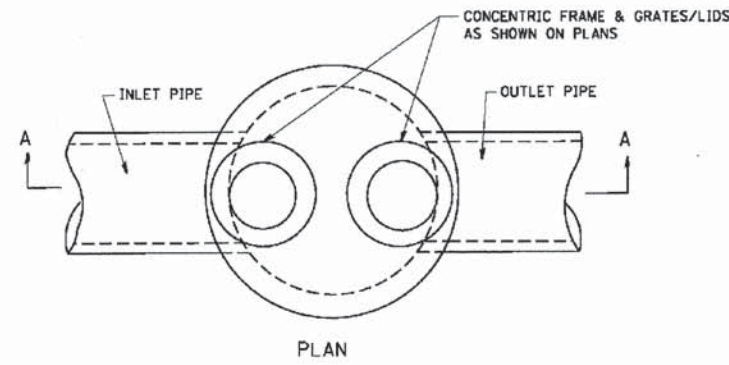
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

12/20/2013

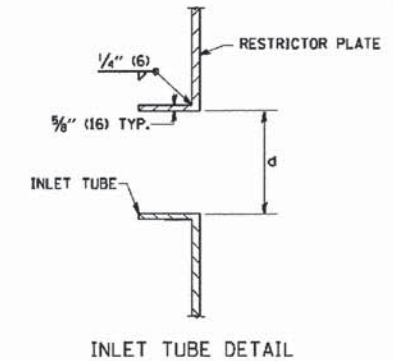
SHEET NO. SC-10 OF SC-11 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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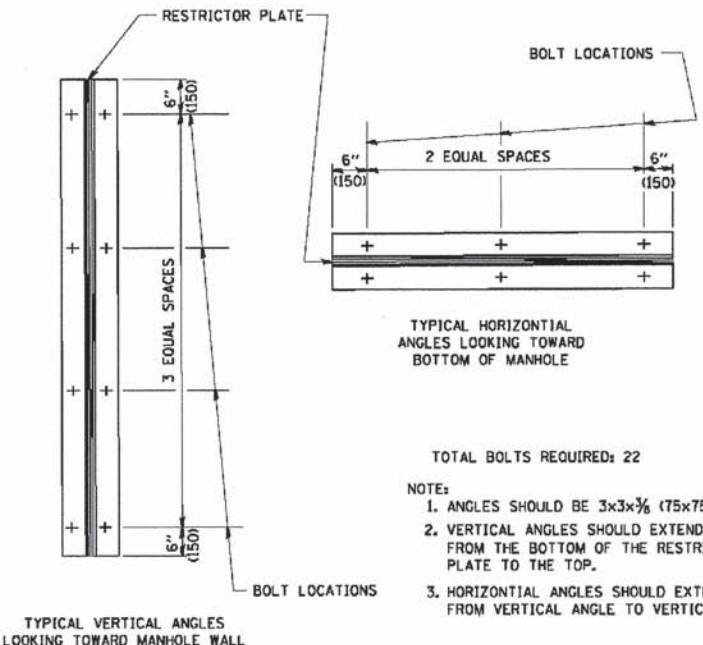
CONTRACT NO. 63870
ILLINOIS FED. AID PROJECT #FEDPROJNO#



- 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 I FRAME, CLOSED LID, RESTRICTOR PLATE" EACH



STATION	MANHOLE DIAMETER	FRAME AND GRATE	RESTRICTOR TYPE	INSIDE RESTRICTOR TYPE DIAMETER in. (mm)	INVERT OF RESTRICTOR TYPE 2-YR/(100-YR)	ELEVATION OF TOP OF PLATE OVERFLOW
53+94.00, 26' RT	7'	2-TICL	3	15", 18"	746.30/(750.00)	750.00



- TOTAL BOLTS REQUIRED: 22
- 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.

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

12/20/2013

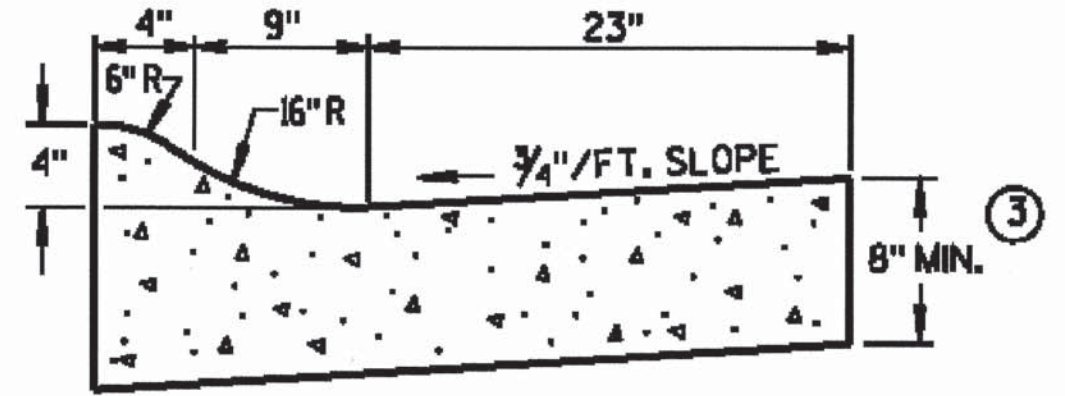
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 PLOT DATE: 1/4/2008

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		CHECKED -	REVISED - M. GOMEZ 01-08-01
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

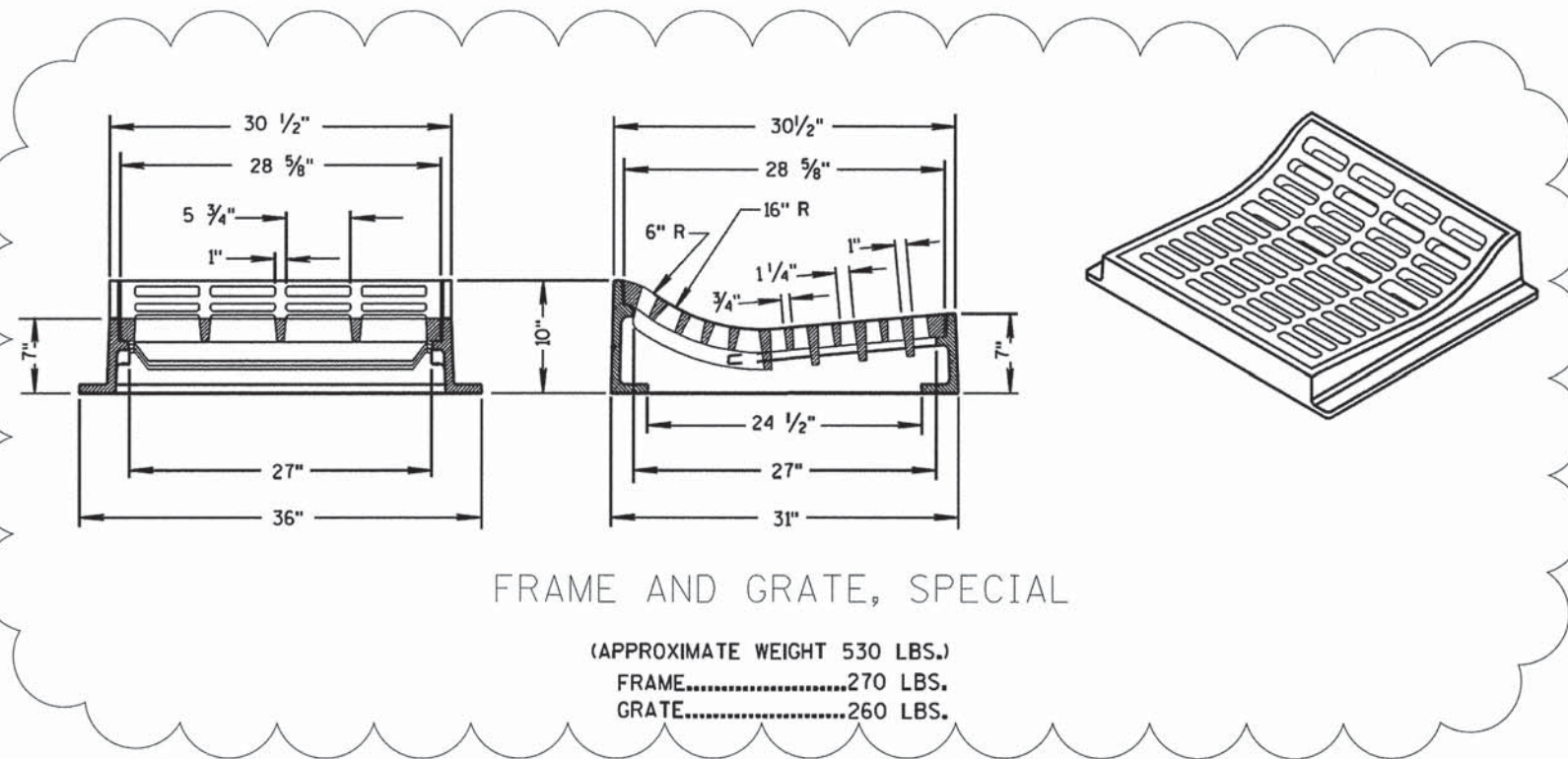
MANHOLE WITH RESTRICTOR PLATE	SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.
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F.A.U. RTE. 168	SECTION 05-00314-03-WR	COUNTY MCHENRY	TOTAL SHEETS 120	SHEET NO. 88
BD600-04 (BD-12)		CONTRACT NO. 63870	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	



4" SLOPED CURB TYPES R & T ① ④

CONCRETE CURB & GUTTER 36"



FRAME AND GRATE, SPECIAL

(APPROXIMATE WEIGHT 530 LBS.)
 FRAME.....270 LBS.
 GRATE.....260 LBS.

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505-2.6.2 OF THE STANDARD SPECIFICATIONS.

INTEGRAL CURB & GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB & GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE. A LONGITUDINAL CONSTRUCTION JOINT IS NOT REQUIRED WITH INTEGRAL CURB AND GUTTER.

WHERE THE TRANSVERSE JOINTS IN THE PAVEMENT ARE REQUIRED TO BE SEALED, THE JOINTS IN THE INTEGRAL CURB AND GUTTER SHALL BE SEALED TO THE FACE OF CURB WITH THE SAME TYPE OF SEALANT. THE COST OF FURNISHING AND INSTALLING THIS SEALANT SHALL BE INCIDENTAL TO THE ITEM CONCRETE CURB AND GUTTER.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2'-0" BEHIND THE BACK OF CURBS.

- ① TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G, K AND R.
- ② THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.
- ③ THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.
- ④ THE FACE OF CURB IS 6" FROM THE BACK OF CURB.
- ⑤ ~~WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.~~

COMB. CONC. CURB & GUTTER TYPE M (SPECIAL) DETAIL

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 CLIENT: Illinois Professional Design Firm
 DATE PLOTTED: 12/19/2013 2:41:13 PM
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12/20/2013



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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

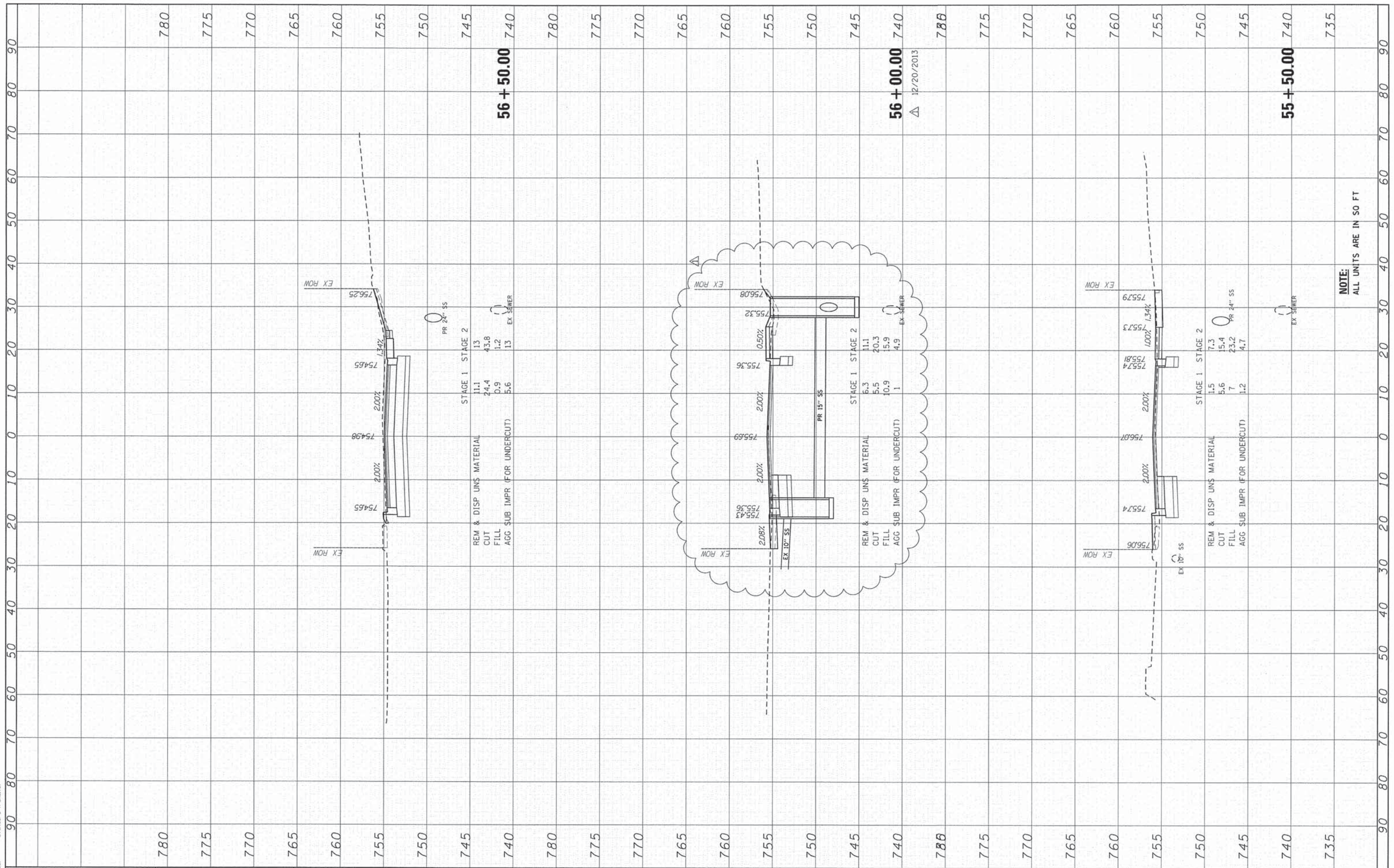
COMB. CONCRETE CURB AND GUTTER TYPE M (SPECIAL)
 AND FRAME AND GRATE (SPECIAL) DETAIL

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-03-WR	MCHENRY	120	100
CONTRACT NO. 63870				
SHEET NO. 16 OF 18 SHEETS		STA.	TO STA.	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

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

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NOTE:
ALL UNITS ARE IN SO FT

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 DESIGNED - JRM
 DRAWN - RCB
 CHECKED - TH
 DATE - 12/19/13

REVISOR -
 REVISOR -
 REVISOR -
 REVISOR -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 CHAPEL HILL ROAD

SCALE: 1"=10'
 SHEET 3 OF 4 SHEETS
 STA. 55+50.00 TO STA. 56+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-03-WR	MCHENRY	120	118
CONTRACT NO.			63870	
ILLINOIS FED. AID PROJECT				