

04-24-2015 LETTING ITEM 122

FOR INDEX OF SHEETS, SEE SHEET NO. 2  
FOR LIST OF HIGHWAY STANDARDS SEE SHEET NO. 2

**TRAFFIC DATA**

ADT:  
MCCULLOM LAKE RD 5,600 VPD (2009)

	SPEED POSTED	DESIGN SPEED
MCCULLOM LAKE RD	30 MPH	30 MPH

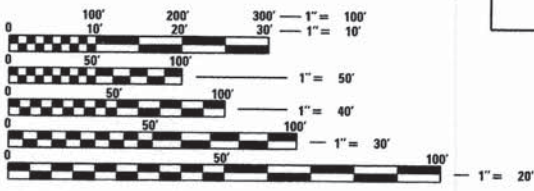
**DESIGN DESIGNATION**

FAU 4085 (MCCULLOM LAKE ROAD) - MAJOR COLLECTOR

**J.U.L.I.E.**  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION CALL 811



Know what's below.  
Call before you dig.



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

**PROJECT LOCATED IN THE CITY OF MCHENRY**



**HRGreen**  
420 NORTH FRONT STREET, SUITE 100 | MCHENRY, ILLINOIS 60050  
Phone: 815.385.1778 | Toll Free: 800.728.7805 | Fax: 815.385.1781 | HRGreen.com  
ILLINOIS PROFESSIONAL DESIGN FIRM #184-001322

**PROJECT ENGINEER: J. STRZALKA**  
**PROJECT MANAGER: A. CHAUDHRY**  
**CONTRACT NO. 61A29**

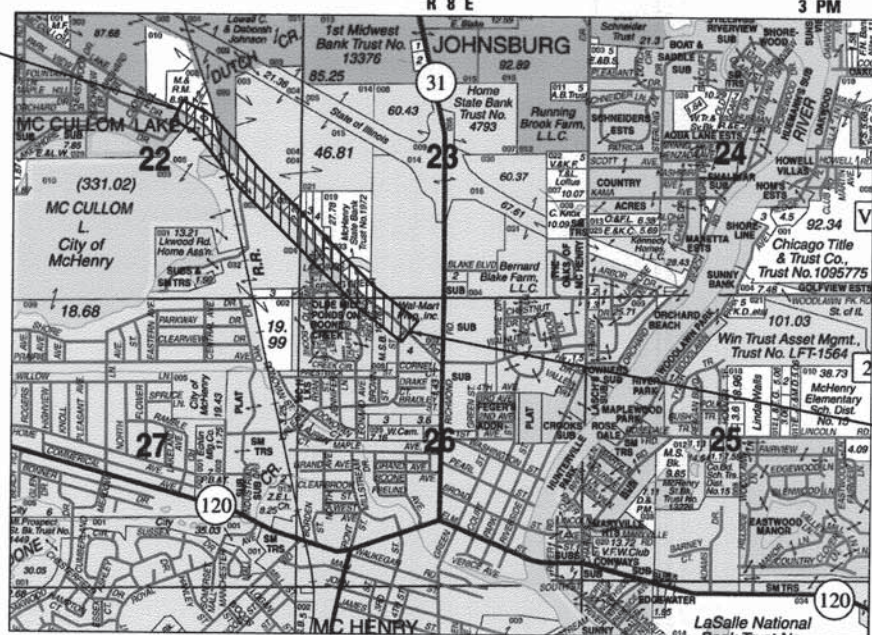
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**DIVISION OF HIGHWAYS**

**PLANS FOR PROPOSED FEDERAL-AID HIGHWAY**  
**FAU 4085 (MCCULLOM LAKE ROAD)**  
**MCCULLOM LAKE ROAD IMPROVEMENTS**  
**FROM WEST OF IL RTE 31 TO WEST LAKESHORE DRIVE**

**SIDEWALK, RESURFACING**  
**SECTION: 13-00077-00-RS**  
**PROJECT: M-4003 (371)**

**CITY OF MCHENRY**  
**MCHENRY COUNTY**  
**JOB: C-91-409-14**  
**PROJECT LOCATION MAP**  
**CITY OF MCHENRY**  
**N.T.S.**

IMPROVEMENT BEGINS  
STA. 200+00



IMPROVEMENT ENDS  
STA. 264+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4085	13-00077-00-RS	MCHENRY	81	1
FED. ROAD DIST. NO 1	ILLINOIS	CONTRACT NO. 61A29		



**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**DIVISION OF HIGHWAYS**


APPROVED FEB 16 2015  
*Jon M. Schmidt*  
CITY OF MCHENRY

PASSED FEBRUARY 23, 2015  
*Christopher Holt*  
DISTRICT ONE ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID  
BASED ON LIMITED REVIEW February 23 2015  
*John Fortman*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ONE ENGINEER

**PROFESSIONAL ENGINEER'S SIGN & SEAL**  
EXCLUDING SHEET(S):

*Jeffrey J. Strzalka*  
JEFFREY J. STRZALKA, P.E.  
EXPIRES: 11-30-15



SEAL

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

**PROJECT LENGTH**  
**NET AND GROSS LENGTH OF IMPROVEMENT = 6,400 FT. = 1.21 MILES**

FEDERAL AID PROGRAM ENGINEER: FAWAD AQUEEL, P.E. 847-705-4021 SCHAUMBURG, IL

**INDEX OF SHEETS**

1	COVER SHEET
2 - 3	GENERAL NOTES, INDEX OF SHEETS AND LIST OF HIGHWAY STANDARDS
4 - 5	SUMMARY OF QUANTITIES
6 - 8	TYPICAL SECTIONS
9	ALIGNMENT, TIES AND BENCHMARKS
10 - 13	SUGGESTED MAINTENANCE OF TRAFFIC PLAN
14 - 18	REMOVAL PLAN
19 - 23	ROADWAY PLAN AND PROFILE
24	INTERSECTION GRADING PLAN
25 - 29	DRAINAGE AND UTILITY PLAN
30	DRAINAGE SCHEDULE OF QUANTITIES
31 - 36	PAVEMENT MARKING, SIGNING, AND LANDSCAPING PLAN
37 - 39	EROSION CONTROL PLAN
40 - 48	TRAFFIC SIGNAL PLAN
49 - 52	SIDEWALK RAMP DETAILS
53	RAILROAD CROSSING DETAILS
54	PETERSEN PARK CROSSWALK DETAILS
55 - 65	IDOT DISTRICT 1 DETAILS
66 - 81	CROSS SECTIONS

**DISTRICT ONE DETAILS**

STANDARD NO.	LIST OF DESCRIPTION
BD-01	DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER $\geq 15'$ (4.5m)
BD-02	DRIVEWAY DETAILS DISTANCE BETWEEN R.O.W. AND FACE OF CURB $< 15'$ (4.5m)
BD-08	FRAMES AND LIDS ADJUSTMENT WITH MILLING
BD-22	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
BD-32	BUTT JOINT AND HMA TAPER DETAILS
BD-51	BENCHING DETAIL FOR EMBANKMENT WIDENING
TC-10	TRAFFIC CONTROL AND PROTECTION PLAN SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-11	RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-16	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
TC-22	ARTERIAL ROAD INFORMATION SIGN
TS-05	STANDARD TRAFFIC SIGNAL DESIGN DETAILS (7 SHEETS)

**STATE STANDARDS**

STANDARD NO.	LIST OF DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006-00	DECIMAL OF AN INCH AND OF A FOOT
202001-01	EARTH MEDIAN DITCH CHECK
406201-01	MAILBOX TURNOUT
424001-08	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-02	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-02	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424016-02	MID-BLOCK CURB RAMPS FOR SIDEWALKS
424021-03	DEPRESSED CORNER FOR SIDEWALKS
424026-01	ENTRANCE/ALLEY PEDESTRIAN CROSSINGS
442201-03	CLASS C AND D PATCHES
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
602001-02	CATCH BASIN TYPE A
602301-04	INLET, TYPE A
602401-03	MANHOLE, TYPE A
602601-03	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-04	FRAME AND LIDS, TYPE 1
604036-03	GRATE TYPE 8
604051-04	FRAME AND GRATE TYPE 11
606001-06	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 M) AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24' (600 MM) FROM PAVEMENT EDGE
701011-04	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS-DAY ONLY
701427-03	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS $\leq 40$ MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-06	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701606-10	URBAN LANE CLOSURE, MULTILANE 2W WITH MOUNTABLE MEDIAN
701701-09	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-05	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-04	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
728001-01	TELESCOPING STEEL SIGN SUPPORT
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
878001-10	CONCRETE FOUNDATION DETAILS
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS

COMPANY NAME: HRGreen  
 PROJECT CONTACT: HRGreen.com  
 CLIENT: Illinois Professional Design Firm  
 DATE PLOTTED: 2/20/2015 9:36:56 AM  
 FILE NAME: 157-gen01.dgn  
 PLOT DRIVER: pdf.plt  
 PEN TABLE: standard-trans-ucsmen-topo.tbl



USER NAME = dstanoz	DESIGNED - JS	REVISED -
FILE NAME = 157-gen01.dgn	DRAWN - DMS	REVISED -
PLOT SCALE = N.T.S.	CHECKED - TH	REVISED -
PLOT DATE = 2/20/2015	DATE - 2/20/15	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>INDEX OF SHEETS, STATE STANDARDS AND DISTRICT ONE DETAILS</b>	
SCALE: N.T.S.	SHEET NO. 1 OF 2 SHEETS
STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4085	13-00077-00-RS	MCHENRY	81	2
CONTRACT NO.			61A29	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

**GENERAL NOTES**

- ALL REFERENCES TO "STANDARD SPECIFICATIONS" IN THESE GENERAL NOTES SHALL BE INTERPRETED TO MEAN "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION, JANUARY 1, 2012. ALL WORK TO BE COMPLETED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
- ALL REFERENCES TO "ENGINEER" SHALL BE INTERPRETED TO MEAN THE RESIDENT ENGINEER.
- PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AFFECTING THEIR WORK WITH THE ACTUAL CONDITIONS AT THE JOB SITE. IF THERE ARE ANY DISCREPANCIES FROM WHAT IS SHOWN ON THE CONSTRUCTION PLANS, HE MUST IMMEDIATELY REPORT SAME TO THE ENGINEER BEFORE DOING ANY WORK, OTHERWISE THE CONTRACTOR ASSUMES FULL RESPONSIBILITY. IN THE EVENT OF DISAGREEMENT BETWEEN THE CONSTRUCTION PLANS, STANDARD SPECIFICATIONS AND/OR SPECIAL DETAILS, THE CONTRACTOR SHALL SECURE WRITTEN INSTRUCTIONS FROM THE ENGINEER PRIOR TO PROCEEDING WITH ANY PART OF THE WORK AFFECTED BY OMISSIONS OR DISCREPANCIES. FAILING TO SECURE SUCH INSTRUCTIONS, THE CONTRACTOR WILL BE CONSIDERED TO HAVE PROCEEDED AT HIS OWN RISK AND EXPENSE. IN THE EVENT OF ANY DOUBT OR QUESTION ARISING WITH RESPECT TO THE TRUE MEANING OF THE CONSTRUCTION PLANS OR SPECIFICATIONS, THE DECISION OF THE ENGINEER SHALL BE FINAL AND CONCLUSIVE.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS PRIOR TO BIDDING ON THE PROJECT.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION) AT 8-1-1 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION IS REQUIRED).
- ALL ELEVATIONS SHOWN ON THE PLANS ARE ON THE NAVD 88 DATUM.
- THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS, PROPERTY CORNERS, AND REFERENCE MARKERS UNTIL THE OWNER, HIS AGENT, OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.
- ALL RADII FOR PROPOSED CURB AND GUTTER ARE TO THE EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED. CURB AND GUTTER ELEVATIONS SHOWN ALONG RETURNS AND AT POINTS OF CURVATURE, ETC. ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- OFFSET LOCATIONS GIVEN IN THE PLANS FOR STRUCTURES, EDGE OF PAVEMENT, ETC. ARE FROM THE ROADWAY CENTERLINE.
- SAW CUTTING OF PAVEMENTS, SIDEWALK, ETC. SHALL BE TO FULL DEPTH AND SHALL RESULT IN A CLEAN STRAIGHT EDGE ON THE PORTION REMAINING. ALL SAW CUTTING SHALL BE CONSIDERED INCLUDED IN THE ITEM REMOVED.
- IN ADDITION TO THE REQUIREMENTS OF SECTION 107.01 OF THE STANDARD SPECIFICATIONS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER REMOVAL AND DISPOSAL OF EXCAVATED MATERIALS FROM THE PROJECT SITE. THE CONTRACTOR WILL MEET ALL REQUIREMENTS SET FORTH BY THE IEPA AND PUBLIC ACT 96-1416 IN REGARDS TO CLEAN CONSTRUCTION AND DEMOLITION DEBRIS WHICH MAY INCLUDE, BUT NOT LIMITED TO, FIELD AND LABORATORY ANALYSES, CERTIFICATION FROM A LICENSED PROFESSIONAL ENGINEER, DUMPING FEES AND DOCUMENTATION. THIS WORK SHALL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE COST OF THE ITEM BEING REMOVED. NO ADDITIONAL COMPENSATION WILL BE PROVIDED.
- AGGREGATE BASE COURSE, TYPE B 4" SHALL BE THICKENED TO 6" ACROSS DRIVEWAYS. THIS WORK WILL BE INCLUDED IN THE COST OF AGGREGATE BASE COURSE, TYPE B 4".
- THE CONTRACTOR SHALL FILL THE HOLES CREATED BY THE REMOVAL OF THE DRIVEWAY PAVEMENT WHERE NEW STORM SEWER OR PIPE CULVERTS HAVE BEEN INSTALLED WITH AGGREGATE BASE COURSE (CA-6) CRUSHED SO THAT THE RESIDENTS CAN USE THEIR DRIVEWAYS UNTIL THE START OF DRIVEWAY REPLACEMENT. THE COST OF THE AGGREGATE BASE COURSE WILL BE INCLUDED IN THE COST OF TRENCH BACKFILL.

**STORM SEWERS, WATER MAINS, AND UTILITIES**

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL UTILITIES PRIOR TO CONSTRUCTION TO DETERMINE THE LOCATION OF ALL UTILITY EQUIPMENT. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS IF UTILITY RELOCATION, ADJUSTMENT, OR PROTECTION IS NECESSARY.
- THE LOCATION OF EXISTING DRAINAGE STRUCTURES, STORM SEWERS, WATER MAINS, SANITARY SEWERS, AND ANY OTHER PUBLIC OR PRIVATE UTILITIES AS SHOWN ON THE PLANS IS APPROXIMATE AND THEIR EXACT LOCATION IS TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND AND SURFACE UTILITIES EVEN THOUGH THEY MIGHT NOT BE SHOWN ON THE PLANS. ANY UTILITY PROPERTY DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER AT THE CONTRACTOR'S EXPENSE.
- ALL UTILITY COMPANIES SHALL BE NOTIFIED AT LEAST 3 DAYS PRIOR TO THE START OF CONSTRUCTION.
- THE CONTRACTOR SHALL USE ALL NECESSARY PRECAUTIONS AND PROTECTION MEASURES REQUIRED TO MAINTAIN EXISTING UTILITIES, SEWERS, AND APPURTENANCES THAT MUST BE KEPT IN OPERATION.
- UNLESS OTHERWISE NOTED OFFSETS FOR DRAINAGE STRUCTURES LOCATED IN CURB AND GUTTER ARE TO THE EDGE OF PAVEMENT AND OFFSETS FOR DRAINAGE STRUCTURES NOT LOCATED IN THE CURB AND GUTTER ARE TO THE CENTER OF THE STRUCTURE.
- RIM ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. FRAMES ON ALL NEW, ADJUSTED OR RECONSTRUCTED STRUCTURES WILL BE ADJUSTED TO THE FINAL ELEVATION OF THE AREA IN WHICH THEY ARE LOCATED AS PART OF THE STRUCTURE, ADJUSTMENT OR RECONSTRUCTION COST.

**STORM SEWERS, WATER MAINS, AND UTILITIES (CONT.)**

- STORM SEWER REMOVAL AND PIPE CULVERT REMOVAL WILL NOT BE PAID FOR SEPERATELY WHEN THE EXISTING PIPE IS IN THE SAME TRENCH AS THE PROPOSED PIPE. THE REMOVAL WILL BE INCLUDED IN THE COST OF THE PIPE BEING INSTALLED.
- TRENCH BACKFILL REQUIRED TO FILL AREAS OF STORM SEWER OR PIPE CULVERT REMOVAL WHERE THERE IS NO REPLACEMENT PIPE WILL BE INCLUDED IN THE COST OF THE REMOVAL.
- ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS.
- WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN, IN AN OPERATING CONDITION, TEMPORARY OUTLETS AND CONNECTIONS FOR ALL DRAINS, SEWERS, AND CATCH BASINS. THE CONTRACTOR SHALL PROVIDE FACILITIES WHICH HAVE THE CAPACITY TO RECEIVE AND DISCHARGE THE STORM WATER FLOW RATES NORMALLY ACCEPTED AND RELEASED BY THE EXISTING DRAINAGE FACILITIES.
- ALL FRAMES, GRATES, LIDS, AND BOXES SCHEDULED TO BE REMOVED FROM EXISTING STRUCTURES SHALL REMAIN THE PROPERTY OF THE CITY AND BE DELIVERED TO THE PUBLIC WORKS DEPARTMENT AT 1415 INDUSTRIAL DRIVE.
- ALL FRAMES WITH CLOSED LIDS TO BE FURNISHED AS PART OF THE CONTRACT FOR CONSTRUCTION, ADJUSTMENT OR RECONSTRUCTION OF ANY MANHOLE, CATCH BASIN, OR INLET, SHALL HAVE CAST INTO THE LID ONE OF THE FOLLOWING WORDS: ALL LIDS TO BE USED ON STORM SEWER STRUCTURES SHALL BEAR THE WORD "STORM." ANY ADDITIONAL COST FOR THIS REQUIREMENT WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE FRAMES AND CLOSED LIDS PROVIDED.
- FRAME ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. FRAMES ON ALL NEW, ADJUSTED OR RECONSTRUCTED STRUCTURES WILL BE ADJUSTED TO THE FINAL ELEVATION OF THE AREA IN WHICH THEY ARE LOCATED AS PART OF THE STRUCTURE, ADJUSTMENT OR RECONSTRUCTION COST.
- ALL STORM SEWER AND PIPE CULVERTS CLASS A SHALL BE REINFORCED CONCRETE PIPE WITH FLEXIBLE GASKET MEETING THE REQUIREMENTS OF ASTM C361. THIS ITEM WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT PRICE OF STORM SEWER OR PIPE CULVERTS.
- THE INDISCRIMINATE USE OF FIRE HYDRANTS OR EXISTING STREAMS, CREEKS, WETLANDS OR PONDS IS STRICTLY PROHIBITED. THE CONTRACTOR SHALL PROVIDE A WATER TRUCK AND DRIVER AS REQUIRED TO OBTAIN AND TRANSPORT THIS WATER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING WATER FROM AN APPROVED SOURCE. IF THIS WATER IS FROM A SOURCE OTHER THAN HIS YARD, WRITTEN APPROVAL FROM THE AGENCY HAVING JURISDICTION FOR THE SOURCE OF THE WATER MUST BE RECEIVED BY THE ENGINEER PRIOR TO USE OF THE WATER.
- ONLY PRECAST CONCRETE ADJUSTMENT RINGS, MAXIMUM OF 12" IN HEIGHT, WILL BE ALLOWED IN THE ADJUSTMENT OR RECONSTRUCTION OF CATCH BASIN, MANHOLE, INLET AND VALVE VAULT STRUCTURES. COMMON BRICK AND STEEL RINGS WILL NOT BE ALLOWED.
- AT PIPE CULVERT AND STORM SEWER REMOVAL AND REPLACEMENT LOCATIONS, DETAIL BD-22 SHALL BE MODIFIED TO SHOW TRENCH BACKFILL PLACED TO TOP OF THE TRENCH AS A TEMPORARY CONDITION UNTIL THE FULL-DEPTH PATCH OR DRIVEWAY PAVEMENT IS CONSTRUCTED. MAINTENANCE OF THE TRENCH BACKFILL SURFACE IN THE TEMPORARY CONDITION WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. REMOVAL OF THE TRENCH BACKFILL TO CONSTRUCT THE PATCH OR DRIVEWAY PAVEMENT WILL NOT BE PAID FOR SEPARATELY. THIS WORK WILL BE INCLUDED IN THE COST OF THE PATCH.

**BACKFILL**

- STORM SEWER SHALL BE BACK FILLED IN ACCORDANCE WITH ARTICLE 550.07, METHOD 1 ONLY.
- PROVIDE TRENCH BACKFILL FOR ALL UTILITY LINES WITHIN 2' OF PAVED AREAS. ALL TRENCH BACKFILL QUANTITIES FOR STORM SEWER HAVE BEEN COMPUTED AND SHALL BE PAID FOR IN ACCORDANCE WITH THE STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS BUREAU OF CONSTRUCTION TRENCH BACKFILL TABLE, BASED ON PIPE SIZE AND INVERT DEPTH FROM SUBGRADE.
- COST OF ANY TRENCH BACKFILL REQUIRED IN EXCESS OF THE QUANTITY ESTABLISHED IN THE DRAINAGE SCHEDULES, INCLUDING BEDDING MATERIAL, SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE FOR TRENCH BACKFILL.
- TRENCH BACKILL SHALL CONSIST OF CA-6 CRUSHED AGGREGATE OR CLEAND CRUSHED CONCRETE MEETING THE GRADATION OF CA-6.

**SIGNING AND STRIPING**

- SEE IDOT DISTRICT ONE DETAILS AND PLAN SHEETS FOR PAVEMENT MARKING DETAILS.
- SIGNS SHALL NOT BE MOVED OR COVERED UNTIL PROGRESS OF WORK NECESSITATES IT.
- THE CONTRACTOR WILL BE REQUIRED TO TEMPORARILY RESET ALL SUCH SIGNS THAT INTERFERE WITH HIS CONSTRUCTION OPERATIONS. ALL SUCH SIGNS MUST BE MAINTAINED STRAIGHT AND CLEAN FOR THE DURATION OF THE TEMPORARY SETTING AND MUST BE RE-ERECTED AT A TEMPORARY LOCATION IN A WORKMANLIKE MANNER AND BE VISIBLE TO THE TRAFFIC FOR WHICH IT IS INTENDED. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE ITEM BEING REMOVED OR OF THE ITEM BEING INSTALLED.
- ALL SIGNS SHALL BE INSTALLED IN PERMANENT LOCATIONS AS THE ROADWAY IS COMPLETED. THIS WORK SHALL BE PAID FOR USING THE APPROPRIATE PAY ITEMS.
- LONGER POSTS MAY BE REQUIRED AT SOME TEMPORARY OR PERMANENT SIGN LOCATIONS TO MAINTAIN PROPER SIGN ELEVATIONS. THIS WORK SHALL BE PAID FOR IN ACCORDANCE WITH SECTION 728 OF THE STANDARD SPECIFICATIONS.
- RAISED REFLECTIVE PAVEMENT MARKER REMOVAL SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 783 OF THE STANDARD SPECIFICATIONS EXCEPT THAT THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT INCLUDED IN THE COST OF HOT-MIX ASPHALT SURFACE REMOVAL 3 1/2 INCH.

**EROSION CONTROL PLANS**

- SEE EROSION CONTROL PLANS FOR GENERAL NOTES CONCERNING EROSION CONTROL.

**TRAFFIC CONTROL**

- SEE TRAFFIC CONTROL PLANS FOR GENERAL NOTES CONCERNING TRAFFIC CONTROL AND PROTECTION.
- THE CONTRACTOR SHALL PLACE UP TO TWO CHANGEABLE MESSAGE SIGNS ON THE PROJECT. THE MESSAGE SIGNS WITH THE APPROPRIATE INFORMATION SHALL BE IN PLACE TWO WEEKS BEFORE START OF CONSTRUCTION ACTIVITY. THIS WORK IS TO BE PAID FOR AT THE CONTRACT UNIT PRICE PER CALENDAR MONTH FOR "CHANGEABLE MESSAGE SIGN".

**EARTHWORK**

- PRIOR TO ANY EMBANKMENT PLACEMENT ALL VEGETATION AND UNSTABLE MATERIAL SHOULD BE REMOVED TO DEPTH ENCOUNTERED AND REPLACED WITH SUITABLE EMBANKMENT MATERIAL.
- SUBGRADE SHALL BE PREPARED IN ACCORDANCE WITH ARTICLE 301.03 OF THE STANDARD SPECIFICATIONS BEFORE REMOVAL OF ANY UNSTABLE MATERIAL.

**RAILROAD**

IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO COORDINATE WITH THE UNION PACIFIC RAILROAD WHENEVER CONSTRUCTION ACTIVITY IS WITHIN 25 FEET OF THE RAILROAD RIGHT-OF-WAY. THE CONTRACTOR SHALL RETAIN FLAGGERS EMPLOYED AND DESIGNATED BY THE UNION PACIFIC RAILROAD TO MONITOR ON-COMING TRAIN TRAFFIC, AND ADVISE CONTRACTOR PERSONNEL WHEN ACTIVITY ON OR NEAR THE RAILROAD RIGHT-OF-WAY MAY PROCEED. THIS ITEM WILL BE PAID FOR ACCORDING TO ARTICLE 107.12 AND WILL BE REIMBURSED ACCORDING TO ARTICLE 109.05.

COMPANY NAME: HRGreen.com  
 PROJECT CONTACT: Illinois Professional Design Firm  
 DATE PLOTTED: 2/11/2015 4:28:16 PM  
 FILE NAME: 157-gen02.dgn  
 PLOT DRIVER: pdfLaf  
 PEN TABLE: standard-trans-screen-top.tbl



USER NAME = jhorwit	DESIGNED - JS	REVISED -
FILE NAME = 157-gen02.dgn	DRAWN - DMS	REVISED -
PLOT SCALE = N.T.S.	CHECKED - TH	REVISED -
PLOT DATE = 2/11/2015	DATE - 2/11/15	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES**

SCALE: N.T.S.	SHEET NO. 2 OF 2 SHEETS	STA. TO STA.	F.A.U. RTE. 4085	SECTION 13-00077-00-RS	COUNTY MCHENRY	TOTAL SHEETS 81	SHEET NO. 3
						CONTRACT NO. 61A29	
						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES

Table with columns: PAYCODE, ITEM DESCRIPTION, UNIT, TOTAL, ROADWAY STP 80% FEDERAL, SIGNALS STP 80% FEDERAL. Rows include items like TREE REMOVAL, REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL, TRENCH BACKFILL, etc.

SUMMARY OF QUANTITIES (CONTD.)

Table with columns: PAYCODE, ITEM DESCRIPTION, UNIT, TOTAL, ROADWAY STP 80% FEDERAL, SIGNALS STP 80% FEDERAL. Rows include items like PIPE CULVERTS, CATCH BASINS, INLETS, etc.

COMPANY NAME: HRGreen.com
PROJECT CONTACT: Illinois Professional Design Firm
DATE PLOTTED: 2/20/2015 9:17:00 AM
FILE NAME: 157-sum.dgn



USER NAME = dstencz
FILE NAME = 157-sum.dgn
PLOT SCALE = N.T.S.
PLOT DATE = 2/20/2015

DESIGNED - JS
DRAWN - DMS
CHECKED - TH
DATE - 2/20/15

REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.U. RTE. 4085 SECTION 13-00077-00-RS COUNTY MCHENRY TOTAL SHEETS 81 SHEET NO. 4 CONTRACT NO. 61A29

**SUMMARY OF QUANTITIES**

PAYCODE	ITEM DESCRIPTION	UNIT	TOTAL	ROADWAY STP 80% FEDERAL		SIGNALS STP 80% FEDERAL	
				0004	0021		
* X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	10	10			
* X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1			
* + X8140215	HEAVY-DUTY HANDHOLE TO BE ADJUSTED	EACH	2			2	
* + X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1			1	
* + X8803040	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED, RETROFIT	EACH	1			1	
* + X8803060	SIGNAL HEAD, LED, 3-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT	EACH	1			1	
* + X8803082	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT	EACH	3			3	
* + X8803084	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED, RETROFIT	EACH	3			3	
* + X8803088	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED, RETROFIT	EACH	1			1	
* XX003435	PORTLAND CEMENT CONCRETE DRIVEWAY REMOVAL AND REPLACEMENT	SO YD	25	25			
* + XX007021	PEDESTRIAN ACTIVATED CROSSWALK WARNING SYSTEM	EACH	2	2			
* + XX008910	PAVEMENT MARKING (SPECIAL)	SO FT	779	779			
* Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1			
* + Z0022800	FENCE REMOVAL	FOOT	398	398			
* + Z0024478	FLEXIBLE DELINEATORS	EACH	13	13			
* Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	180	180			
* Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1			
* Z0076600	TRAINEES	HOURL	500	500			
* Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOURL	500	500			
* + Z0077900	WOOD POST AND RAIL FENCE	FOOT	382	382			

\* SPECIAL PROVISION + SPECIALTY ITEM # CONSTRUCTION TYPE CODE 0042

**EARTHWORK SCHEDULE**

LOCATION	TOPSOIL EXCAVATION AND PLACEMENT (CU YD)	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL BEFORE ADJUSTMENT FOR TOPSOIL (CU YD)	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (CU YD)	EMBANKMENT FROM ON-SITE EXCAVATION (CU YD)
McCULLOM LAKE ROAD	437	1,420	983	130

**EARTHWORK NOTES:**

- SEE CROSS SECTIOS FOR AVERAGE END AREAS.
- IT HAS BEEN ASSUMED THAT SIX INCHES (6") OF TOPSOIL WILL BE REMOVED FROM THE PROJECT SITE AND STOCKPILED ON-SITE TO BE USED FOR LANDSCAPE RESTORATION. THIS WORK WILL BE PAID FOR AS TOPSOIL EXCAVATION AND PLACEMENT. THE TOPSOIL EXCAVATION HAS BEEN SUBTRACTED FROM THE REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS TOTALS AS CALCULATED FROM THE CROSS SECTIONS (CUT).
- IT HAS BEEN ASSUMED THAT THE EXISTING AGGREGATE SHOULDERS AND MATERIAL ADJACENT TO THE PROPOSED ROADWAY WIDENING WILL BE SUITABLE FOR THE 130 CUBIC YARDS OF EMBANKMENT REQUIRED FILL BENEATH THE PROPOSED SIDEWALK WEST OF PETERSEN PARK.

COMPANY NAME: HRGreen  
 PROJECT CONTACT: HRGreen.com  
 CLIENT: Illinois Professional Design Firm  
 DATE PLOTTED: 2/20/2015 9:17:03 AM  
 FILE NAME: 157-sum02.dgn  
 PLOT DRIVER: pdfLdt  
 PEN TABLE: standard-trans-screen-topso.tbl




USER NAME = dstancz	DESIGNED = JS	REVISED =
FILE NAME = 157-sum02.dgn	DRAWN = DMS	REVISED =
PLOT SCALE = N.T.S.	CHECKED = TH	REVISED =
PLOT DATE = 2/20/2015	DATE = 2/20/15	REVISED =

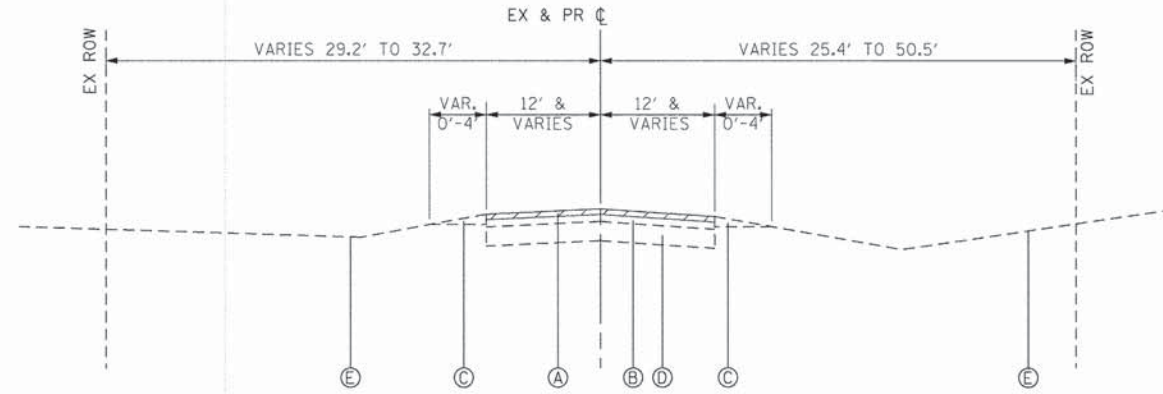
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

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

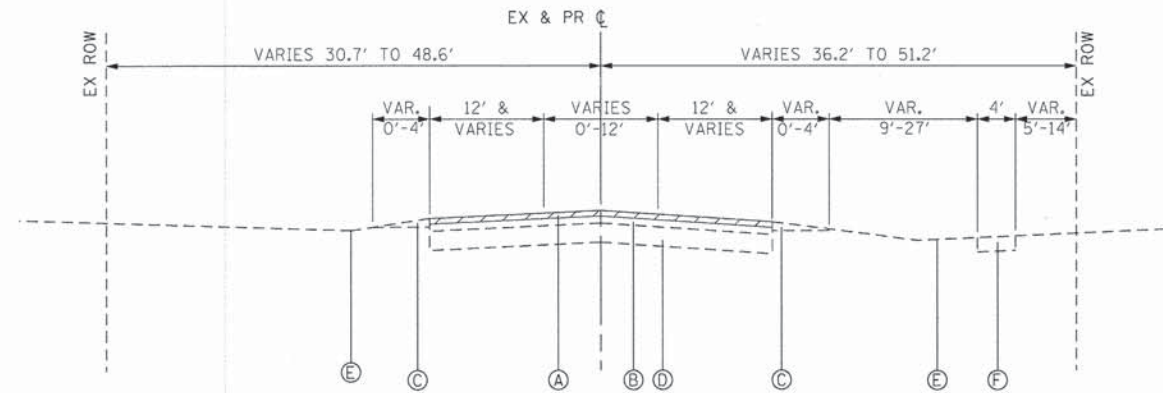
F.A.U. RTE. 4085	SECTION 13-00077-00-RS	COUNTY MCHENRY	TOTAL SHEETS 81	SHEET NO. 5
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 61A29		

 DENOTES AREA OF HOT-MIX ASPHALT SURFACE REMOVAL



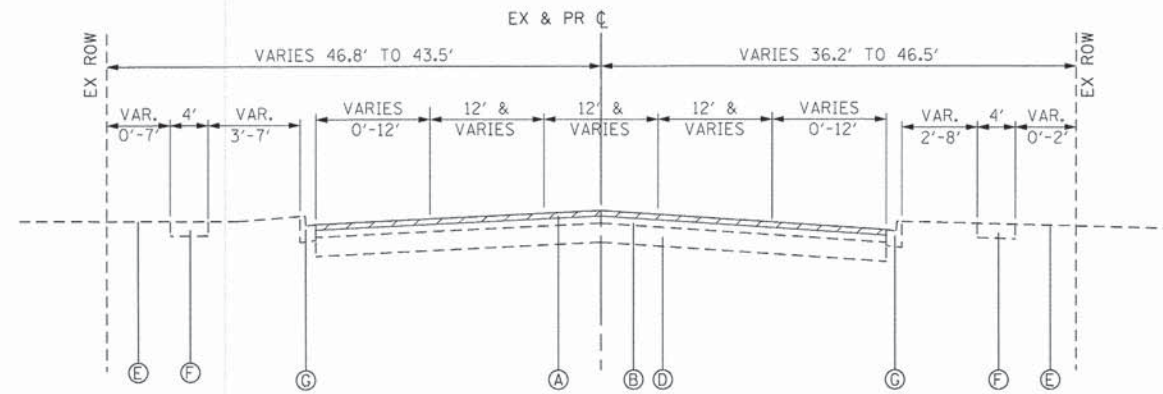
**EXISTING TYPICAL SECTION**

McCULLOM LAKE ROAD  
LAKESHORE DR TO PETERSEN PARK RD  
STA 200+00 TO STA 232+16



**EXISTING TYPICAL SECTION**

McCULLOM LAKE ROAD  
PETERSEN PARK RD TO NORTH OF ORLEANS ST  
STA 232+16 TO STA 252+15



**EXISTING TYPICAL SECTION**

McCULLOM LAKE ROAD  
NORTH OF ORLEANS ST TO PROJECT END  
STA 252+15 TO STA 264+00

**EXISTING LEGEND**

- (A) HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/2"
  - (B) HOT-MIX ASPHALT PAVEMENT; ±8"
  - (C) AGGREGATE SHOULDERS
  - (D) AGGREGATE SUBGRADE, ±12"
  - (E) EXISTING GROUND
  - (F) EXISTING PCC SIDEWALK, 5"
  - (G) EXISTING COMBINATION CONCRETE CURB AND GUTTER
- (SPOT REMOVAL AND REPLACEMENT AS DIRECTED BY THE ENGINEER)

COMPANY NAME: HRGreen  
PROJECT CONTACT: HRGreen.com  
DATE PLOTTED: 2/11/2015 4:38:29 PM  
FILE NAME: 157-1yp-01.dgn  
PLOT DRIVER: pdf24pr  
PLOT TABLE: standard-trans-screen-table.tbl

 HRGreen.com  
Illinois Professional Design Firm  
#184-001322

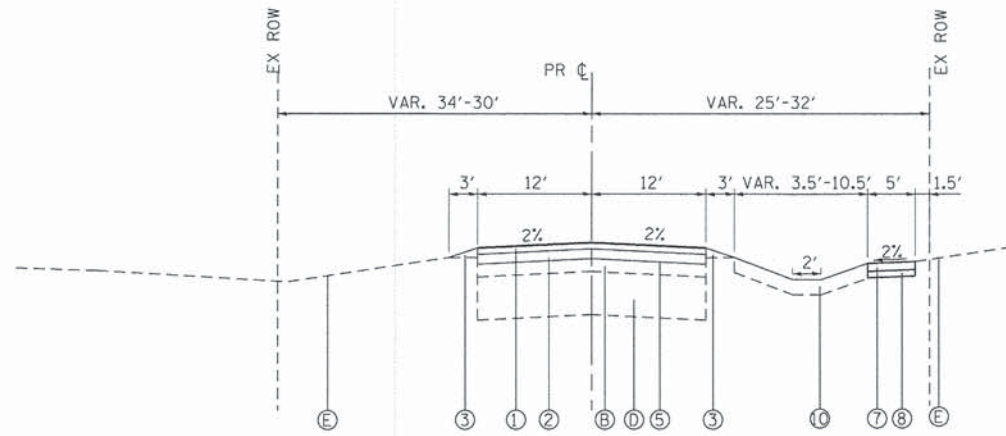
USER NAME = jhorwit	DESIGNED - JS	REVISED -
FILE NAME = 157-1yp-01.dgn	DRAWN - DMS	REVISED -
PLOT SCALE = N.T.S.	CHECKED - TH	REVISED -
PLOT DATE = 2/11/2015	DATE - 2/11/15	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING TYPICAL SECTIONS  
McCULLOM LAKE ROAD**

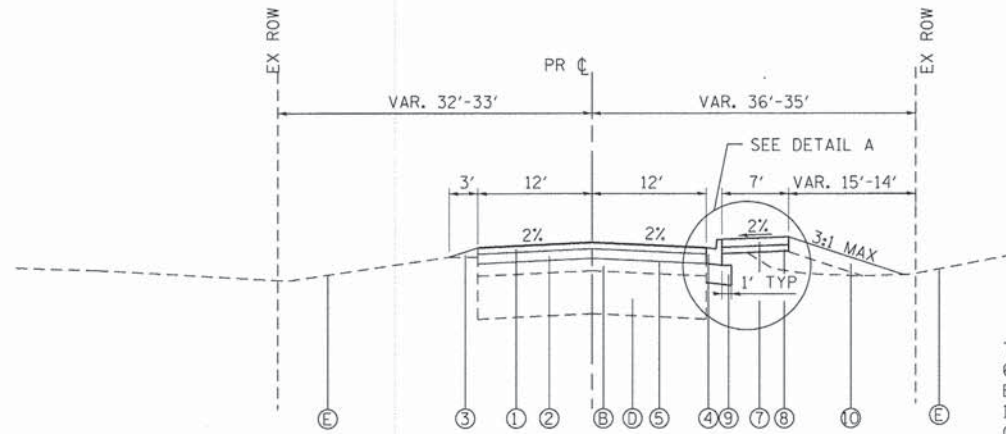
SCALE: N.T.S. SHEET NO. 1 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4085	13-00077-00-RS	MCHENRY	81	6
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61A29	



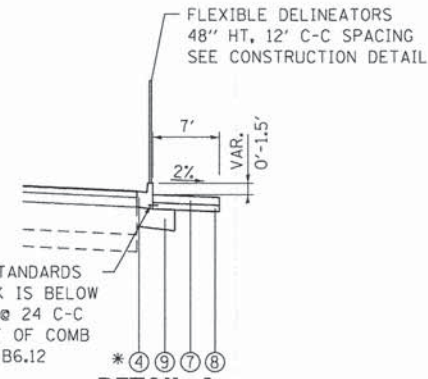
**PROPOSED TYPICAL SECTION**

McCULLOM LAKE ROAD  
LAKESHORE DRIVE TO RAILROAD TRACKS  
STA 200+00 TO STA 210+00  
LAKEWOOD ROAD TO PETERSEN PARK  
STA 218+75 TO STA 226+77



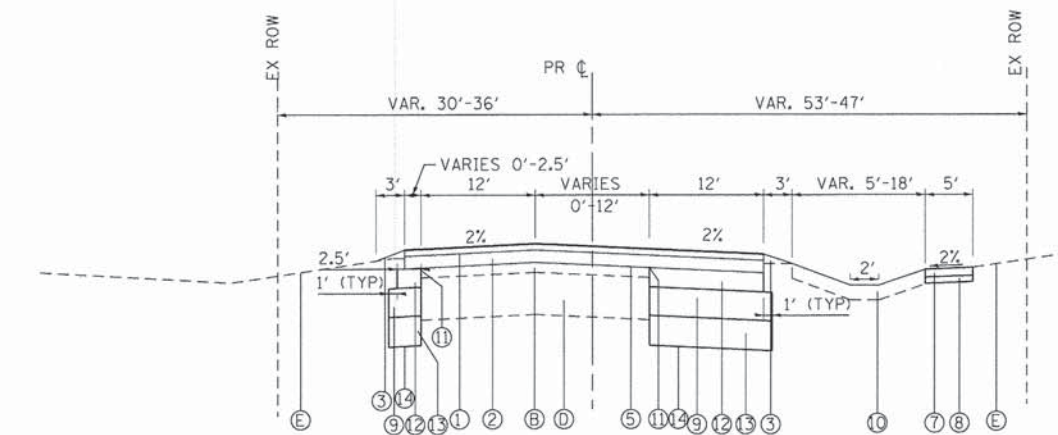
**PROPOSED TYPICAL SECTION**

McCULLOM LAKE ROAD  
RAILROAD TRACKS TO LAKEWOOD ROAD  
STA 210+00 TO STA 218+75



**DETAIL A**

PCC SIDEWALK  
STA 211+00 TO STA 212+50  
\*CURB TO BE DEPRESSED FROM STA 211+24 TO STA 211+62  
AT PRAIRIE TRAIL BIKE PATH



**PROPOSED TYPICAL SECTION**

McCULLOM LAKE ROAD  
WIDENING AREA AT PETERSEN PARK  
STA 226+77 TO STA 236+64

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS @ Ndes
<b>PAVEMENT RESURFACING</b>	
HMA SURFACE COURSE, MIX "D", N70 (IL-9.5mm); 1 1/2"	4% @ 70 GYR.
HMA BINDER COURSE, IL-19mm, N70; 2 1/4"	4% @ 70 GYR.
<b>PAVEMENT WIDENING</b>	
HMA SURFACE COURSE, MIX "D", N70 (IL-9.5mm); 1 1/2"	4% @ 70 GYR.
HMA BINDER COURSE, IL 19mm, N70; 2 1/2"	4% @ 70 GYR.
HMA BASE COURSE (HMA BINDER IL-19mm); 6" (SINGLE LIFT)	4% @ 70 GYR.
<b>DRIVEWAYS</b>	
HMA SURFACE COURSE, MIX "D", N50; (IL-9.5mm); 2"	4% @ 50 GYR.
HMA BASE COURSE (HMA BINDER IL-19mm); 6" or 8" (2 LIFTS)	4% @ 50 GYR.
<b>PATCHING</b>	
CLASS D PATCHES (HMA BINDER IL-19 mm); 4"	4% @ 70 GYR.

THE UNIT WEIGHT TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SO YD-IN

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

**EXISTING LEGEND**

- (A) HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/2"
- (B) HOT-MIX ASPHALT PAVEMENT; ±8"
- (C) AGGREGATE SHOULDERS
- (D) AGGREGATE SUBGRADE, ±12"
- (E) EXISTING GROUND
- (F) EXISTING PCC SIDEWALK, 5"
- (G) EXISTING COMBINATION CONCRETE CURB AND GUTTER (SPOT REMOVAL AND REPLACEMENT AS DIRECTED BY THE ENGINEER)

**PROPOSED LEGEND**

- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
- (2) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2 1/4"
- (3) AGGREGATE SHOULDERS, TYPE B (9% MAX SLOPE)
- (4) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (5) BITUMINOUS MATERIALS (PRIME COAT)
- (6) NOT USED
- (7) PCC SIDEWALK 5"
- (8) AGGREGATE BASE COURSE, TYPE B 4"
- (9) AGGREGATE BASE COURSE, TYPE B 12"
- (10) SEEDING, CLASS 2A AND TOPSOIL EXCAVATION AND PLACEMENT (DEPTH: 6")
- (11) STRIP REFLECTIVE CRACK CONTROL TREATMENT
- (12) HOT-MIX ASPHALT BASE COURSE, 6"
- (13) AGGREGATE SUBGRADE IMPROVEMENT, 12" (AS DETERMINED BY THE ENGINEER)
- (14) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

COMPANY NAME: HRGreen.com  
PROJECT CONTACT: jhorwit  
CLIENT: STATE OF ILLINOIS  
DATE PLOTTED: 2/11/2015 4:38:52 PM  
FILE NAME: 157-tyd-02.dgn  
PLOT DRIVER: standard-trans-screen-topot.plt  
PEN TABLE:

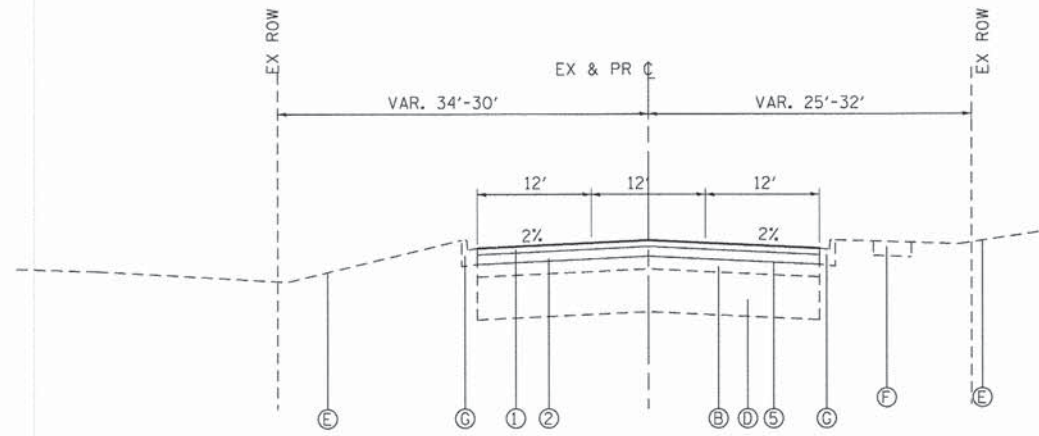


USER NAME = jhorwit	DESIGNED - JS	REVISED -
FILE NAME = 157-tyd-02.dgn	DRAWN - DMS	REVISED -
PLOT SCALE = N.T.S.	CHECKED - TH	REVISED -
PLOT DATE = 2/11/2015	DATE - 2/11/15	REVISED -

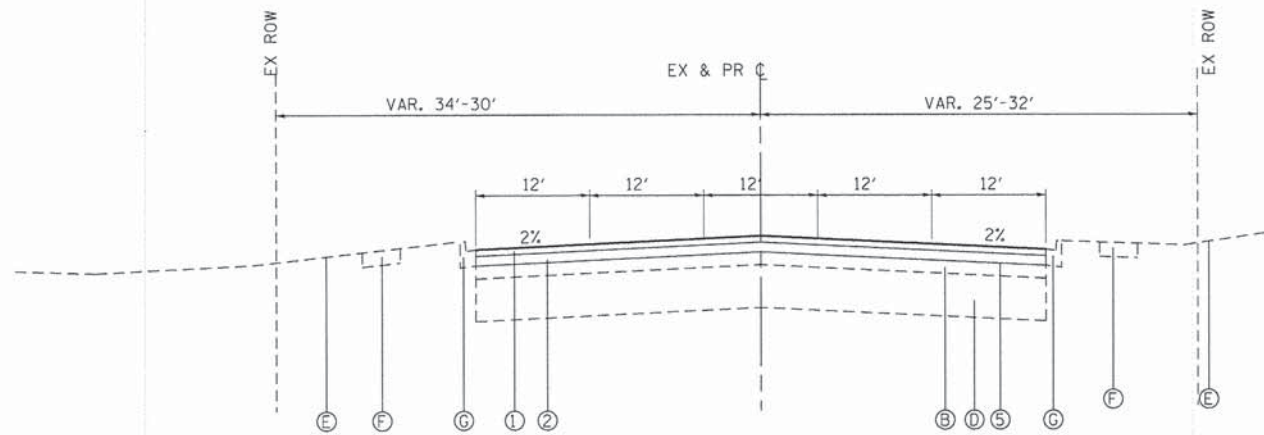
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS MCCULLOM LAKE ROAD	
SCALE: N.T.S.	SHEET NO. 2 OF 3 SHEETS STA. TO STA.

F.A.U. RTE. 4085	SECTION 13-00077-00-RS	COUNTY MCHENRY	TOTAL SHEETS 81	SHEET NO. 7
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61A29	



**PROPOSED TYPICAL SECTION**  
 McCULLOM LAKE ROAD  
 OLDE MILL ROAD TO NORTH OF ORLEANS ROAD  
 STA 236+64 TO STA 252+14



**PROPOSED TYPICAL SECTION**  
 McCULLOM LAKE ROAD  
 NORTH OF ORLEANS ROAD TO PROJECT END  
 STA 252+14 TO STA 264+00

**EXISTING LEGEND**

- Ⓐ HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/2"
- Ⓑ HOT-MIX ASPHALT PAVEMENT; ±8"
- Ⓒ AGGREGATE SHOULDERS
- Ⓓ AGGREGATE SUBGRADE, ±12"
- Ⓔ EXISTING GROUND
- Ⓕ EXISTING PCC SIDEWALK, 5"
- Ⓖ EXISTING COMBINATION CONCRETE CURB AND GUTTER  
 (SPOT REMOVAL AND REPLACEMENT AS DIRECTED BY THE ENGINEER)

**PROPOSED LEGEND**

- ① HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
- ② HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2 1/4"
- ③ AGGREGATE SHOULDERS, TYPE B (9% MAX SLOPE)
- ④ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- ⑤ BITUMINOUS MATERIALS (PRIME COAT)
- ⑥ NOT USED
- ⑦ PCC SIDEWALK 5"
- ⑧ AGGREGATE BASE COURSE, TYPE B 4"
- ⑨ AGGREGATE BASE COURSE, TYPE B 12"
- ⑩ SEEDING, CLASS 2A AND TOPSOIL EXCAVATION AND PLACEMENT (DEPTH: 6")
- ⑪ STRIP REFLECTIVE CRACK CONTROL TREATMENT
- ⑫ HOT-MIX ASPHALT BASE COURSE, 6"
- ⑬ AGGREGATE SUBGRADE IMPROVEMENT, 12" (AS DETERMINED BY THE ENGINEER)
- ⑭ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

COMPANY NAME: HRGreen  
 PROJECT CONTACT: HRGreen.com  
 CLIENT: Illinois Professional Design Firm  
 DATE PLOTTED: 2/11/2015 4:36:35 PM  
 FILE NAME: 157-tyo-03.dgn  
 PLOT DRIVER: pldrvr  
 PLOT TABLE: standard-trans-screen-tyo.tbl

USER NAME = jhorwit	DESIGNED - JS	REVISED -
FILE NAME = 157-tyo-03.dgn	DRAWN - DMS	REVISED -
PLOT SCALE = N.T.S.	CHECKED - TH	REVISED -
PLOT DATE = 2/11/2015	DATE - 2/11/15	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4085	13-00077-00-RS	MCHENRY	81	8
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61A29	



**PROP. CURVE PRMC-1**  
 $\Delta = 4^\circ 22' 02''$  (RT)  
 $D = 3^\circ 49' 11''$   
 $R = 1,500.00'$   
 $T = 57.19'$   
 $L = 114.33'$   
 $E = 1.09'$   
 $e = N/A$   
 $T.R. = N/A$   
 $S.E. RUN = N/A$   
 $P.C. STA. = 200+30.52$   
 $N: 2,076,178.62$   
 $E: 997,211.61$   
 $PI STA. = 200+87.71$   
 $N: 2,076,151.24$   
 $E: 997,261.83$   
 $P.T. STA. = 201+44.85$   
 $N: 2,076,120.13$   
 $E: 997,309.82$

**PROP. CURVE PRMC-2**  
 $\Delta = 2^\circ 15' 15''$  (RT)  
 $D = 1^\circ 54' 35''$   
 $R = 3,000.00'$   
 $T = 59.02'$   
 $L = 118.03'$   
 $E = 0.58'$   
 $e = N/A$   
 $T.R. = N/A$   
 $S.E. RUN = N/A$   
 $P.C. STA. = 204+69.92$   
 $N: 2,075,943.27$   
 $E: 997,582.57$   
 $PI STA. = 205+28.94$   
 $N: 2,075,911.16$   
 $E: 997,632.09$   
 $P.T. STA. = 205+87.95$   
 $N: 2,075,877.12$   
 $E: 997,680.31$

**PROP. CURVE PRMC-3**  
 $\Delta = 16^\circ 05' 27''$  (RT)  
 $D = 6^\circ 44' 26''$   
 $R = 850.00'$   
 $T = 120.15'$   
 $L = 238.71'$   
 $E = 8.45'$   
 $e = N/A$   
 $T.R. = N/A$   
 $S.E. RUN = N/A$   
 $P.C. STA. = 206+08.79$   
 $N: 2,075,865.11$   
 $E: 997,697.34$   
 $PI STA. = 207+28.93$   
 $N: 2,075,795.83$   
 $E: 997,795.50$   
 $P.T. STA. = 208+47.50$   
 $N: 2,075,702.05$   
 $E: 997,870.61$

**PROP. CURVE PRMC-4**  
 $\Delta = 1^\circ 32' 53''$  (RT)  
 $D = 1^\circ 08' 45''$   
 $R = 5,000.00'$   
 $T = 67.56'$   
 $L = 135.11'$   
 $E = 0.46'$   
 $e = N/A$   
 $T.R. = N/A$   
 $S.E. RUN = N/A$   
 $P.C. STA. = 209+24.43$   
 $N: 2,075,642.01$   
 $E: 997,918.70$   
 $PI STA. = 209+91.98$   
 $N: 2,075,589.28$   
 $E: 997,960.94$   
 $P.T. STA. = 210+59.53$   
 $N: 2,075,535.44$   
 $E: 998,001.73$

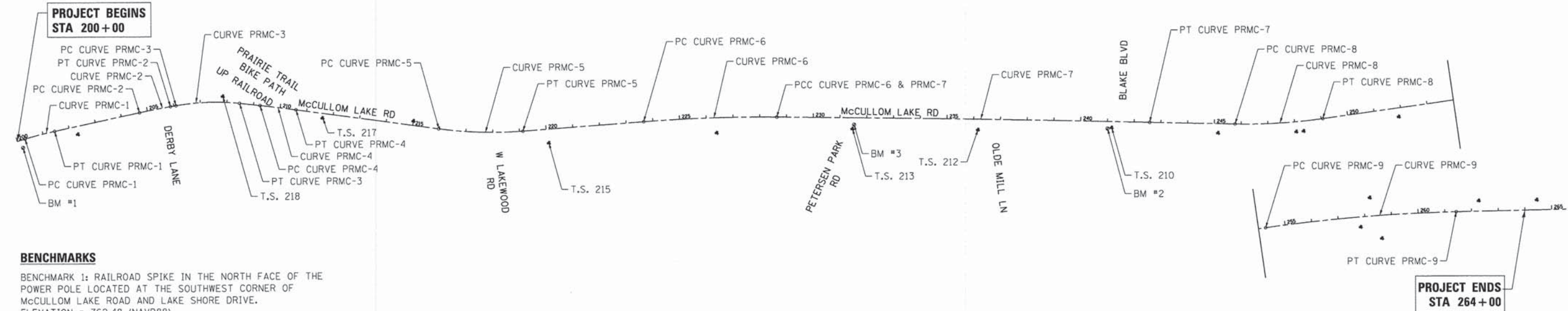
**PROP. CURVE PRMC-5**  
 $\Delta = 12^\circ 02' 33''$  (LT)  
 $D = 3^\circ 49' 11''$   
 $R = 1,500.00'$   
 $T = 158.22'$   
 $L = 315.27'$   
 $E = 8.32'$   
 $e = N/A$   
 $T.R. = N/A$   
 $S.E. RUN = N/A$   
 $P.C. STA. = 215+97.86$   
 $N: 2,075,106.34$   
 $E: 998,326.80$   
 $PI STA. = 217+56.08$   
 $N: 2,074,980.22$   
 $E: 998,422.35$   
 $P.T. STA. = 219+13.13$   
 $N: 2,074,876.81$   
 $E: 998,542.10$

**PROP. CURVE PRMC-6**  
 $\Delta = 4^\circ 45' 19''$  (RT)  
 $D = 0^\circ 57' 18''$   
 $R = 6,000.00'$   
 $T = 249.13'$   
 $L = 497.98'$   
 $E = 5.17'$   
 $e = N/A$   
 $T.R. = N/A$   
 $S.E. RUN = N/A$   
 $P.C. STA. = 223+65.77$   
 $N: 2,074,580.98$   
 $E: 998,884.69$   
 $PI STA. = 226+14.91$   
 $N: 2,074,418.16$   
 $E: 999,073.25$   
 $P.T. STA. = 228+63.76$   
 $N: 2,074,240.26$   
 $E: 999,247.66$

**PROP. CURVE PRMC-7**  
 $\Delta = 0^\circ 45' 15''$  (RT)  
 $D = 0^\circ 03' 15''$   
 $R = 105,895.39'$   
 $T = 696.92'$   
 $L = 1,393.83'$   
 $E = 2.29'$   
 $e = N/A$   
 $T.R. = N/A$   
 $S.E. RUN = N/A$   
 $P.C. STA. = 228+63.76$   
 $N: 2,074,240.26$   
 $E: 999,247.66$   
 $PI STA. = 235+60.68$   
 $N: 2,073,742.62$   
 $E: 999,735.57$   
 $P.T. STA. = 242+57.58$   
 $N: 2,073,238.59$   
 $E: 1,000,216.88$

**PROP. CURVE PRMC-8**  
 $\Delta = 9^\circ 25' 12''$  (LT)  
 $D = 2^\circ 51' 53''$   
 $R = 2,000.00'$   
 $T = 164.78'$   
 $L = 328.82'$   
 $E = 6.78'$   
 $e = N/A$   
 $T.R. = N/A$   
 $S.E. RUN = N/A$   
 $P.C. STA. = 245+77.55$   
 $N: 2,073,007.19$   
 $E: 1,000,437.86$   
 $PI STA. = 247+42.33$   
 $N: 2,072,888.01$   
 $E: 1,000,551.66$   
 $P.T. STA. = 249+06.37$   
 $N: 2,072,789.08$   
 $E: 1,000,683.43$

**PROP. CURVE PRMC-9**  
 $\Delta = 6^\circ 50' 28''$  (RT)  
 $D = 0^\circ 57' 18''$   
 $R = 6,000.00'$   
 $T = 358.62'$   
 $L = 716.40'$   
 $E = 10.71'$   
 $e = N/A$   
 $T.R. = N/A$   
 $S.E. RUN = N/A$   
 $P.C. STA. = 254+26.66$   
 $N: 2,072,476.68$   
 $E: 1,001,099.50$   
 $PI STA. = 257+85.28$   
 $N: 2,072,261.35$   
 $E: 1,001,386.28$   
 $P.T. STA. = 261+43.06$   
 $N: 2,072,013.40$   
 $E: 1,001,645.38$

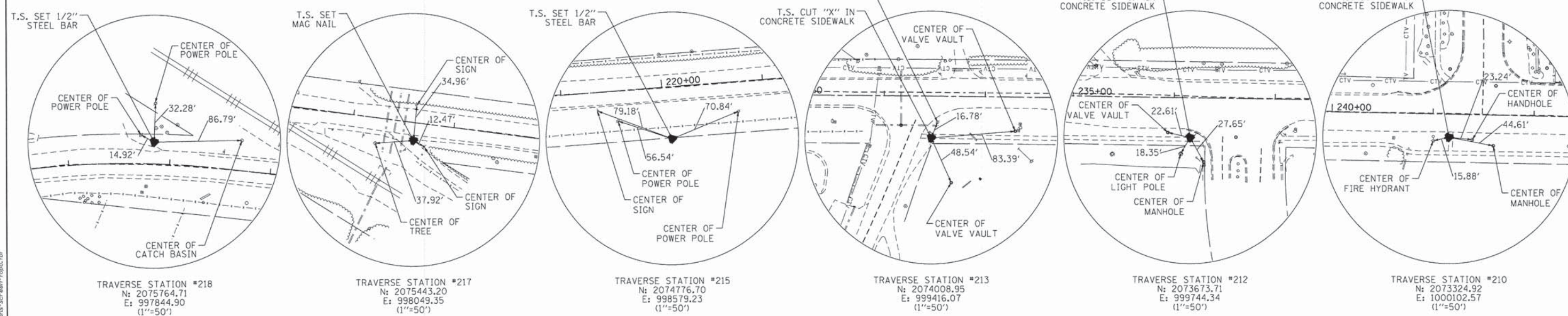


**BENCHMARKS**

BENCHMARK 1: RAILROAD SPIKE IN THE NORTH FACE OF THE POWER POLE LOCATED AT THE SOUTHWEST CORNER OF McCULLOM LAKE ROAD AND LAKE SHORE DRIVE. ELEVATION = 762.48 (NAVD88)

BENCHMARK 2: ARROW BOLT ON HYDRANT LOCATED ON THE WESTERLY SIDE OF McCULLOM LAKE ROAD ACROSS FROM BLAKE BLVD. ELEVATION = 762.77 (NAVD88)

BENCHMARK 3: RAILROAD SPIKE IN THE EASTERLY FACE OF THE POWER POLE LOCATED AT THE SOUTHEASTERLY CORNER OF McCULLOM LAKE ROAD AND PETERSEN PARK ROAD. ELEVATION = 762.91 (NAVD88)



COMPANY NAME: HRGreen  
 PROJECT CONTACT: Jhorwit  
 CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION  
 FILE NAME: 157-tie.dgn  
 PLOT DRIVER: pdcfair  
 PLOT DATE: 2/11/2015  
 STANDARD: standard-trans-screen-1000.tbl

**HRGreen**  
 HRGreen.com  
 Illinois Professional Design Firm  
 #184-001322

USER NAME = jhorwit	DESIGNED - JS	REVISED -
FILE NAME = 157-tie.dgn	DRAWN - DMS	REVISED -
PLOT SCALE = 1" = 200'	CHECKED - TH	REVISED -
PLOT DATE = 2/11/2015	DATE - 2/11/15	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT, TIES AND BENCHMARKS  
 MCCULLOM LAKE ROAD**

SCALE: 1" = 200' SHEET NO. 1 OF 1 SHEETS STA. 200+00 TO STA. 264+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4085	13-00077-00-RS	MCHENRY	81	9
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61A29	

**MAINTENANCE OF TRAFFIC GENERAL NOTES**

ALL OF THE TRAFFIC CONTROL DEVICES SHALL BE IN PLACE BEFORE CONSTRUCTION IS STARTED. ALL TEMPORARY PAVEMENT MARKINGS & TRAFFIC CONTROL DEVICES SHALL BE IN PLACE AT THE BEGINNING OF EACH STAGE, AND SHALL BE MAINTAINED FOR THE DURATION OF THAT STAGE UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

ALL PAVEMENT MARKINGS CONFLICTING WITH REVISED TRAFFIC PATTERNS SHALL BE REMOVED. SHORT TERM PAVEMENT MARKING TAPE SHALL BE USED ON THE FINAL WEARING SURFACE OR ON THE EXISTING PAVEMENT TO REMAIN WHEN THE TEMPORARY PAVEMENT MARKING WILL CONFLICT WITH THE PERMANENT PAVEMENT MARKING SUCH AS ON TAPERS OR LANE SHIFTS. PAVEMENT MARKING PAINT SHALL BE USED ON ALL SURFACES TO BE REMOVED OR COVERED WITH SURFACE COURSE.

ACCESS SHALL BE MAINTAINED TO ALL PROPERTIES DURING CONSTRUCTION OPERATIONS WITH THE USE OF AGGREGATE FOR TEMPORARY ACCESS AND/OR BY CONSTRUCTING ONE HALF OF PROPOSED PCC DRIVEWAYS AT A TIME.

PROVIDE TEMPORARY BITUMINOUS RAMP WEDGE TO TRANSITION THE DIFFERENTIAL ELEVATIONS CAUSED BY STAGED CONSTRUCTION BETWEEN THE NEW CONSTRUCTION AND THE EXISTING PAVEMENT. ANY PAVEMENT DROP-OFFS GREATER THAN 3 INCHES IMMEDIATELY ADJACENT TO TRAFFIC SHALL NOT BE LEFT OVERNIGHT. PROVIDE TEMPORARY BITUMINOUS RAMP WEDGE OR OTHER MITIGATING MEASURES APPROVED BY THE ENGINEER.

ALL EXISTING SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL PLAN SHALL BE COVERED OR REMOVED IN ACCORDANCE WITH ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS.

THE CONTRACTOR SHALL PROVIDE, INSTALL, MAINTAIN AND REMOVE ALL SIGNS AND SIGN SUPPORTS REQUIRED FOR TRAFFIC CONTROL AND PROTECTION. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).

THE TRAFFIC CONTROL PLANS SHALL SERVE AS A GUIDE FOR SAFE DIVERSION OF TRAFFIC DURING EXECUTION OF THIS CONTRACT. HOWEVER, THE CONTRACTOR MAY MODIFY THE TRAFFIC CONTROL PLANS TO MEET CONSTRUCTION NEEDS BUT NOT AT THE EXPENSE OF PUBLIC SAFETY OR CONVENIENCE. ANY CHANGES TO THE TRAFFIC CONTROL PLAN MUST BE SUBMITTED TO THE ENGINEER FOR APPROVAL. ANY ADDITIONAL COSTS ACCRUED BY THE CONTRACTOR WILL NOT BE PAID FOR SEPARATELY BUT INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).

TYPE II BARRICADES EQUIPPED WITH MONO-DIRECTIONAL STEADY BURN LIGHTS SHALL BE PLACED ALONG THE ROADWAY AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. TYPE II BARRICADES WITH DIRECTIONAL ARROWS SHALL BE PLACED AT LANE SHIFTS (TAPER SECTIONS) AS INDICATED ON THE PLANS OR DIRECTED BY THE ENGINEER. BARRICADES WITH LEG EXTENSIONS SHALL BE USED WHERE NEEDED TO PROVIDE A MINIMUM DISTANCE OF 36" BETWEEN THE PAVEMENT AND TOP OF BARRICADE. BARRICADES IN TAPER SECTIONS SHALL HAVE DIRECTION INDICATOR PANELS. ALL TYPE II BARRICADES SHALL BE NON-METALLIC.

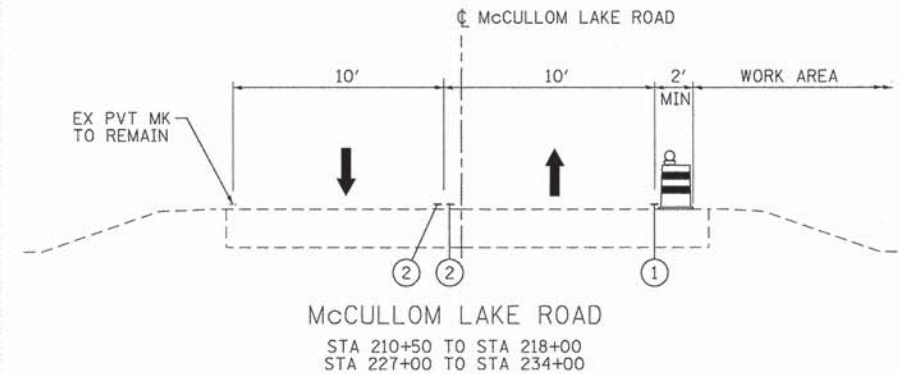
THE CONTRACTOR SHALL INFORM THE ENGINEER OF ANY CHANGES IN STAGING AT LEAST TWO (2) WORKING DAYS IN ADVANCE.

TEMPORARY SIGNING, AS SHOWN, SHALL CONFORM TO THE APPLICABLE STANDARDS INCLUDED IN THE SPECIAL PROVISIONS AND CONTRACT PLANS OR AS DIRECTED BY THE ENGINEER.

ALL "ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE EQUIPPED WITH MONO-DIRECTIONAL AMBER FLASHING LIGHTS.

EXISTING TRAFFIC CONTROL DEVICES WITHIN THE LIMITS OF CONSTRUCTION, ARE TO BE PROTECTED FROM DAMAGE BY THE CONTRACTOR. ANY DAMAGED SIGNS CAUSED BY HIS WORK SHALL BE REPLACED BY THE CONTRACTOR.

TRAFFIC CONDITIONS, ACCIDENTS, AND OTHER UNFORESEEN EMERGENCY CONDITIONS MAY REQUIRE THE ENGINEER TO RESTRICT, MODIFY, OR REMOVE LANE CLOSURES OR CHANNELIZATION SHOWN IN THE PLANS. THE CONTRACTOR SHALL MAKE THE NECESSARY ADJUSTMENTS AS DIRECTED BY THE ENGINEER WITHOUT DELAY. THE CONTRACTOR SHALL RESPOND TO ANY REQUEST MADE BY THE ENGINEER FOR MODIFICATION WITHIN TWO HOURS FROM THE TIME OF NOTIFICATION.



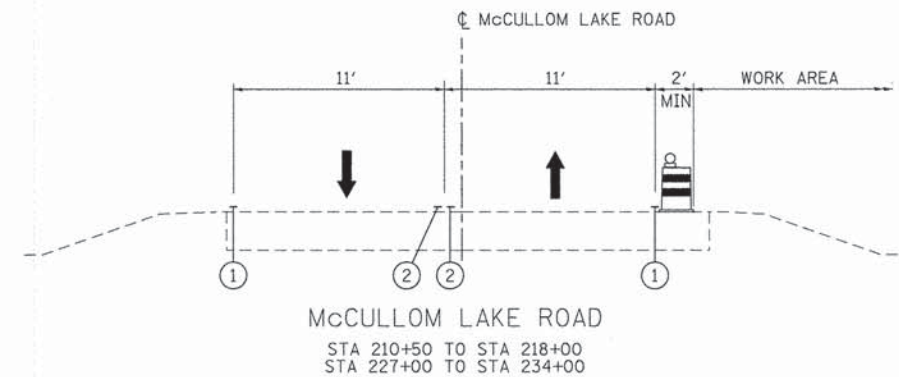
DROP-OFF BETWEEN TRAVEL LANE AND SHOULDER/EDGE OF PAVEMENT (1) (2)

DROP-OFF LOCATION (FROM EDGE OF PAVEMENT)	SPEED, MPH (5)	DROP-OFF HEIGHT AND TYPE (INCHES)	TREATMENT REQUIRED
<= 3 FT (1) (2)	ALL	<= 1	NONE
		> 1, <= 3	LOW SHOULDER SIGNS (AFTER EACH INTERSECTION)
	< 45	> 3, <= 18	CHANNELIZING DEVICES PER PLAN SPACING
	>= 45	> 3, <= 12	CHANNELIZING DEVICES PER PLAN SPACING
> 3 FT <= 8 FT (3)	< 45	> 18, <= 24 FOR < 0.5 MILES OR < 48 HOURS	CHANNELIZING DEVICES PER PLAN SPACING (4)
		>= 45	> 12, <= 18 FOR < 0.5 MILES OR < 48 HOURS
	ALL	> 18, <= 24	ADJACENT LANE CLOSURE
	ALL	> 24	TEMPORARY BARRIER WALL
> 8 FT <= 13 FT (3)	ALL	<= 1	NONE
	ALL	> 1, <= 3	LOW SHOULDER SIGNS (2 MILE SPACING)
	ALL	> 3, <= 24	CHANNELIZING DEVICES PER PLAN SPACING
	ALL	> 24	TEMPORARY BARRIER WALL

- (1) CHANNELIZING DEVICES ARE TO BE PLACED AT SAME LEVEL AS TRAVELING LANE OR SHOULDER PROFILE.
- (2) CHANNELIZING DEVICES MAY BE PLACED AT THE DROP-OFF ELEVATION TO PRESERVE LANE WIDTH. THE REFLECTIVE AREA AND WARNING LIGHT SHALL BE RAISED TO THE ELEVATION ABOVE THE TRAVELING LANE OR SHOULDER PROFILE AS REQUIRED BY STANDARD 701901.
- (3) CHANNELIZING DEVICES ARE TO BE PLACED AT THE SAME LEVEL AS SIDE SLOPE PROFILE TO BE FULLY VISIBLE.
- (4) DROP-OFFS GREATER THAN 18 IN. SHALL NOT BE EXPOSED TO TRAFFIC FOR GREATER THAN 48 HRS. ADDITIONALLY, PYLONS OF FLASHING LIGHTS SHALL BE PLACED AT DROP-OFFS GREATER THAN 18 IN.
- (5) POSTED REGULATORY SPEED IN WORK ZONE DURING THE WORK ACTIVITY.

**SUGGESTED CONSTRUCTION SEQUENCE**

- WIDENING AREA (STA. 210+00 TO STA. 236+11)
- ALL EXISTING PAVEMENT MARKINGS SHALL BE REMOVED AND REPLACED WITH TEMPORARY PAVEMENT MARKINGS.
  - CONSTRUCT WIDENING AND CURB AND GUTTER ADJACENT TO EXISTING PAVEMENT.
  - MILL EXISTING PAVEMENT.
  - INSTALL SHORT TERM PAVEMENT MARKINGS.
  - CONSTRUCT BINDER AND SURFACE LIFTS, WITH SHORT TERM PAVEMENT MARKINGS ON TOP OF EACH LIFT.
  - REMOVE SHORT TERM PAVEMENT MARKINGS AND INSTALL PERMANENT PAVEMENT MARKINGS.
  - SEE PLANS FOR SUGGESTED MAINTENANCE OF TRAFFIC.
- RESURFACING AREA (STA. 200+00 TO STA. 210+00 AND STA. 236+11 TO STA. 264+00)
- MILL EXISTING PAVEMENT.
  - INSTALL SHORT TERM PAVEMENT MARKINGS.
  - CONSTRUCT BINDER AND SURFACE LIFTS, WITH SHORT TERM PAVEMENT MARKINGS ON TOP OF EACH LIFT.
  - REMOVE SHORT TERM PAVEMENT MARKINGS AND INSTALL PERMANENT PAVEMENT MARKINGS.
  - SUGGESTED MAINTENANCE OF TRAFFIC PER APPLICABLE HIGHWAY STANDARDS.



NOTE: SUGGESTED MOT PLAN DEPICTED ABOVE AND AS SHOWN ON SHEETS 11-13 IS FOR WIDENING SECTIONS. SEE HIGHWAY STANDARDS FOR WORK OUTSIDE OF THE STATION RANGES SHOWN. THIS WORK SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).

**LEGEND**

- DIRECTION OF TRAFFIC
- PROPOSED DRUM BARRICADE WITH MONO-DIRECTIONAL STEADY BURNING LIGHT SEE PLAN FOR SPACING REQUIREMENTS
- ① TEMPORARY PAVEMENT MARKING - LINE 4" (WHITE)
- ② TEMPORARY PAVEMENT MARKING - LINE 4" (YELLOW)

COMPANY NAME: HRGreen  
 PROJECT CONTACT: HRGreen.com  
 CLIENTS: Illinois Professional Design Firm  
 DATE PLOTTED: 2/20/2015 9:37:06 AM  
 FILE NAME: 157-mot\_gen&typ.dgn  
 PLOT DRIVER: pdf.plt  
 PEN TABLE: standard-trans-screen-table.tbl

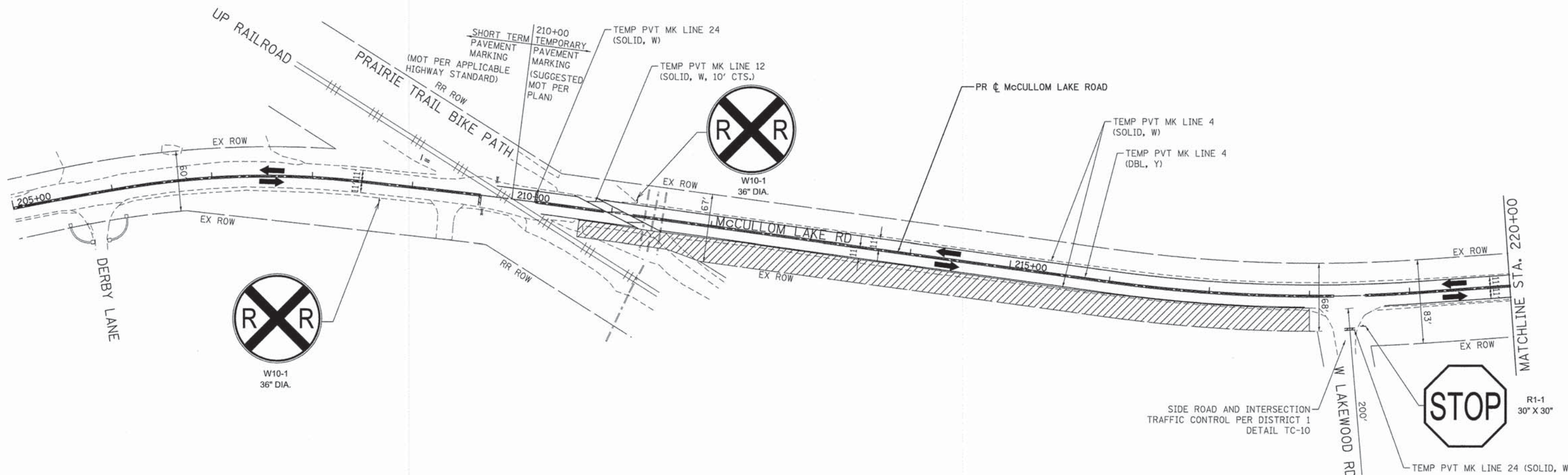
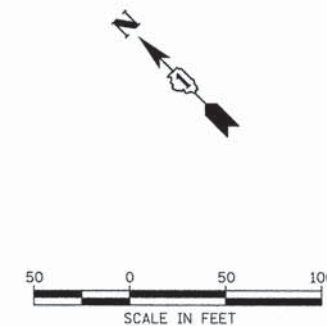
HRGreen.com Illinois Professional Design Firm # 184-001322	USER NAME = dstenez	DESIGNED - JS	REVISED -
	FILE NAME = 157-mot_gen&typ.dgn	DRAWN - DMS	REVISED -
	PLOT SCALE = N.T.S.	CHECKED - TH	REVISED -
	PLOT DATE = 2/20/2015	DATE - 2/20/15	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC  
GENERAL NOTES & TYPICAL SECTIONS  
MCCULLOM LAKE ROAD**

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

F.A.U. RTE. 4085	SECTION 13-00077-00-RS	COUNTY MCHENRY	TOTAL SHEETS 81	SHEET NO. 10
CONTRACT NO. 61A29			ILLINOIS FED. AID PROJECT	



**LEGEND**

- WORK ZONE
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE
- MAINTENANCE OF TRAFFIC SIGN
- TYPE II BARRICADES OR DRUMS WITH BI-DIRECTIONAL STEADY BURNING LIGHT 50' C-C ON TANGENT, 20' C-C ON TAPERS AND 12' ON RADII

**NOTES:**  
 TEMPORARY PAVEMENT MARKINGS SHALL BE PAINT.  
 SHORT TERM PAVEMENT MARKINGS SHALL BE USED ON THE FINAL SURFACE COURSE.

COMPANY NAME: HRGreen  
 PROJECT CONTACT: HRGreen.com  
 CLIENT: Illinois Professional Design Firm  
 DATE PLOTTED: 2/20/2015 9:37:11 AM  
 FILE NAME: 157-mot-01.dgn  
 PLOT DRIVER: pcf.plt  
 PEN TABLE: standard-trans-acreen-topo.tbl

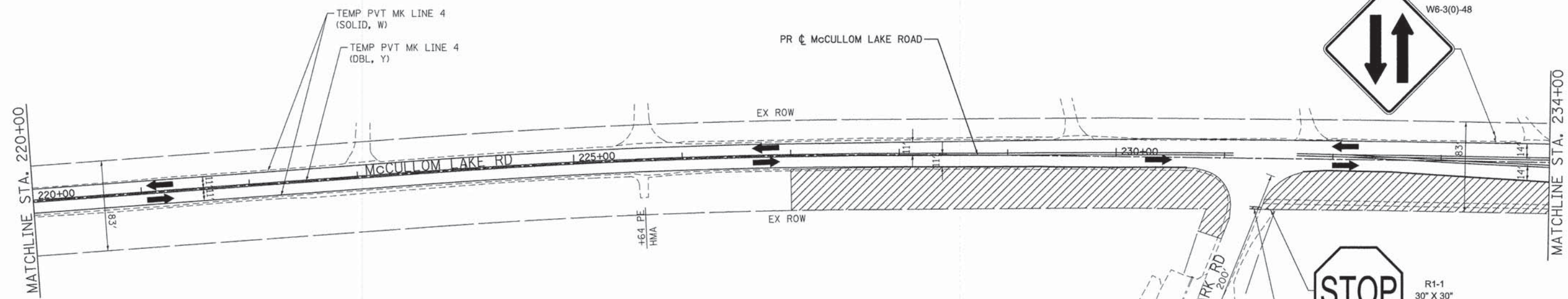
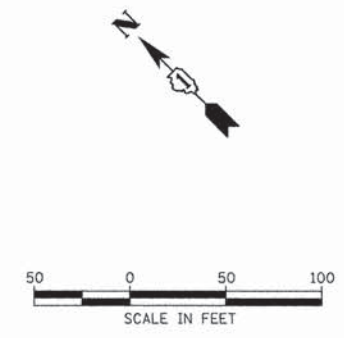


USER NAME = dstencz	DESIGNED - JS	REVISED -
FILE NAME = 157-mot-01.dgn	DRAWN - DMS	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - TH	REVISED -
PLOT DATE = 2/20/2015	DATE - 2/20/15	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>SUGGESTED MAINTENANCE OF TRAFFIC MCCULLOM LAKE ROAD</b>	
SCALE: 1" = 50'	SHEET NO. 1 OF 3 SHEETS
STA. 205+00	TO STA. 220+00

F.A.U. RTE. 4085	SECTION 13-00077-00-RS	COUNTY MCHENRY	TOTAL SHEETS 81	SHEET NO. 11
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 61A29		



**LEGEND**

- WORK ZONE
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE
- MAINTENANCE OF TRAFFIC SIGN
- TYPE II BARRICADES OR DRUMS WITH BI-DIRECTIONAL STEADY BURNING LIGHT 50' C-C ON TANGENT, 20' C-C ON TAPERS AND 12' ON RADII

**NOTES:**  
 TEMPORARY PAVEMENT MARKINGS SHALL BE PAINT.  
 SHORT TERM PAVEMENT MARKINGS SHALL BE USED ON THE FINAL SURFACE COURSE.

COMPANY NAME: HRGreen  
 PROJECT CONTACT: HRGreen  
 CLIENT: HRGreen  
 DATE PLOTTED: 2/20/2015 9:37:14 AM  
 FILE NAME: 157-mot-02.dgn  
 PLOT DRIVER: pdf.plt  
 PEN TABLE: standard-tr-ans-screen-topo.tbl

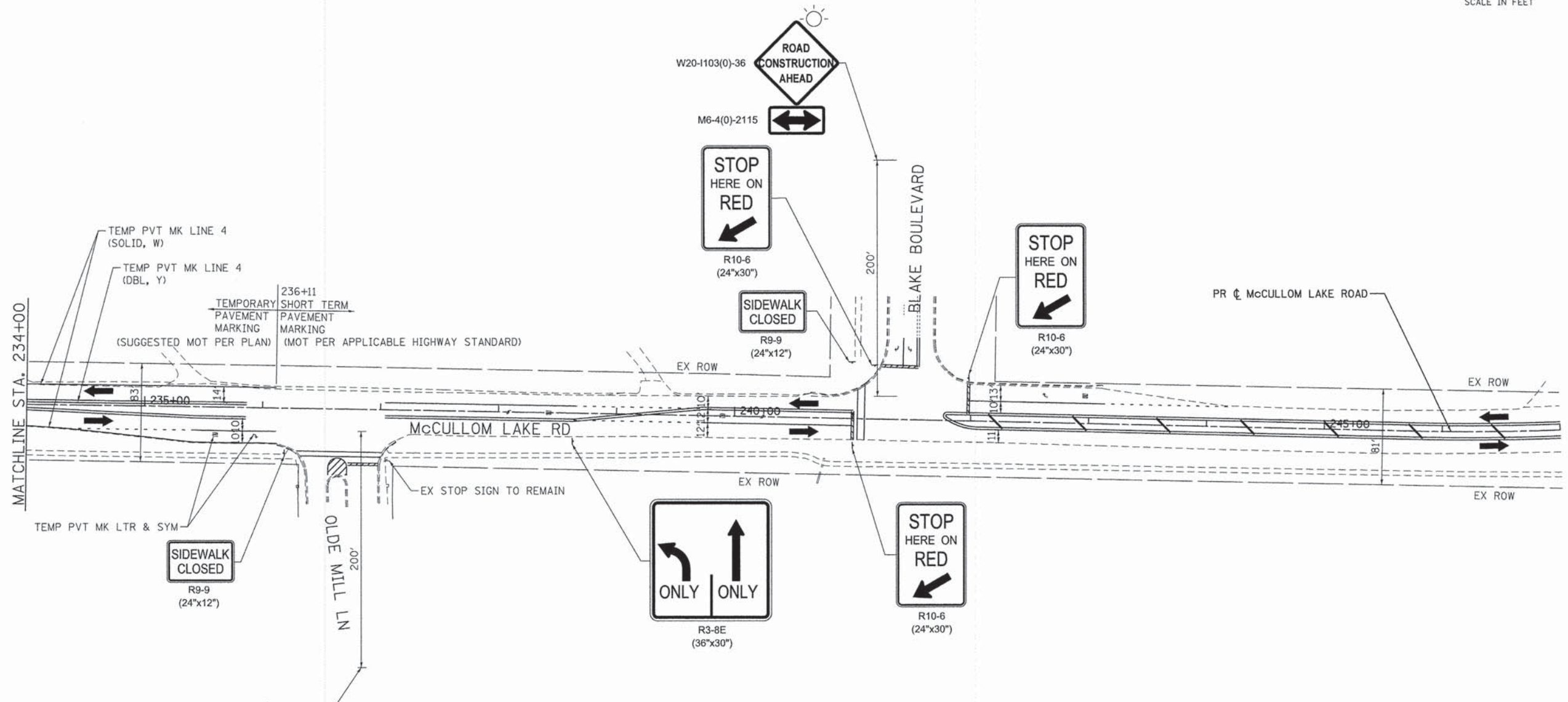
HRGreen.com Illinois Professional Design Firm # 184-001322	USER NAME = dstancz	DESIGNED - JS	REVISED -
	FILE NAME = 157-mot-02.dgn	DRAWN - DMS	REVISED -
	PLOT SCALE = 1" = 50'	CHECKED - TH	REVISED -
	PLOT DATE = 2/20/2015	DATE - 2/20/15	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC  
MCCULLOM LAKE ROAD**

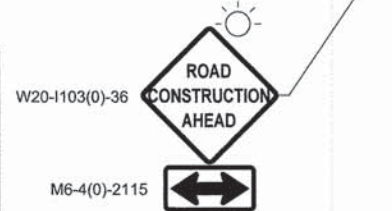
SCALE: 1" = 50'    SHEET NO. 2 OF 3 SHEETS    STA. 220+00 TO STA. 234+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4085	13-00077-00-RS	MCHENRY	81	12
CONTRACT NO.			61A29	
FED. ROAD DIST. NO.    ILLINOIS FED. AID PROJECT				



**LEGEND**

- WORK ZONE
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE
- MAINTENANCE OF TRAFFIC SIGN
- TYPE II BARRICADES OR DRUMS WITH BI-DIRECTIONAL STEADY BURNING LIGHT 50' C-C ON TANGENT, 20' C-C ON TAPERS AND 12' ON RADII



**NOTES:**  
 TEMPORARY PAVEMENT MARKINGS SHALL BE PAINT.  
 SHORT TERM PAVEMENT MARKINGS SHALL BE USED ON THE FINAL SURFACE COURSE.

COMPANY NAME: HRGreen  
 PROJECT CONTACT: HRGreen.com  
 DATE PLOTTED: 2/20/2015 9:27:17 AM  
 FILE NAME: 157-mot-03.dgn  
 PLOT DRIVER: pdcfat  
 PEN TABLE: standard-trans-serien-fopoi.tbl



USER NAME = dstencz	DESIGNED - JS	REVISED -
FILE NAME = 157-mot-03.dgn	DRAWN - DMS	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - TH	REVISED -
PLOT DATE = 2/20/2015	DATE - 2/20/15	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC  
 MCCULLOM LAKE ROAD**

SCALE: 1" = 50'    SHEET NO. 3 OF 3 SHEETS    STA. 234+00 TO STA. 247+00

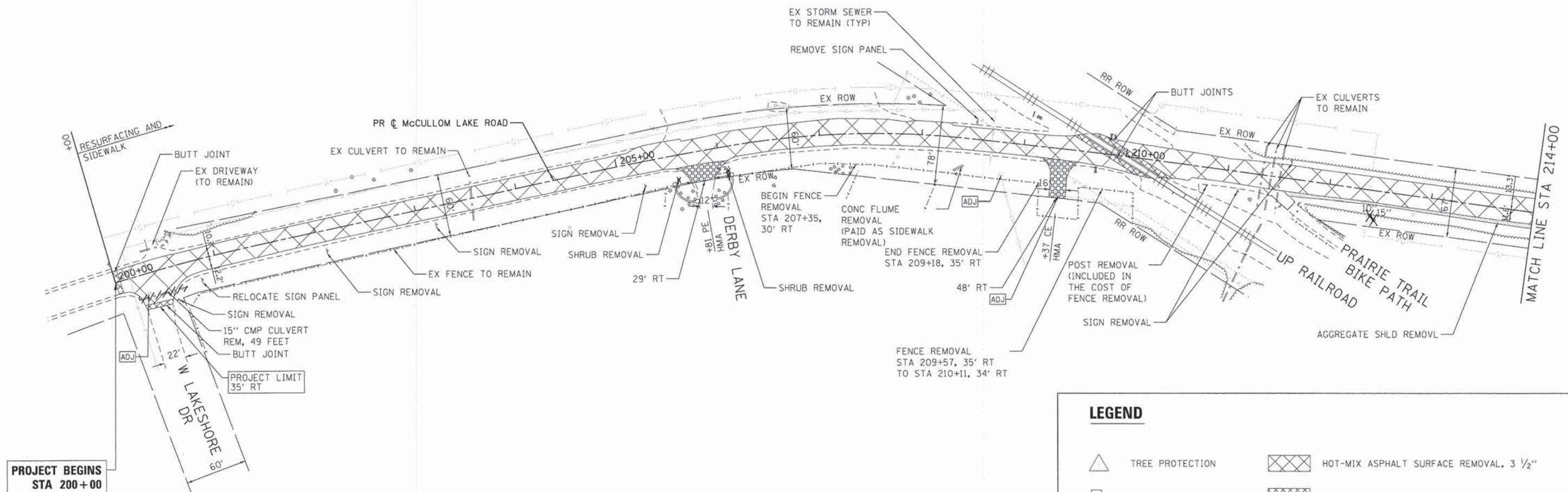
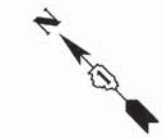
F.A.U. RTE. 4085	SECTION 13-00077-00-RS	COUNTY MCHENRY	TOTAL SHEETS 81	SHEET NO. 13
CONTRACT NO. 61A29			ILLINOIS FED. AID PROJECT	

**SIGN PANEL REMOVAL**

- 200+55, 32.8' RT
- 202+08, 19.7' RT
- 203+17, 17.3' RT
- 205+24, 23.8' RT
- 208+52, 16.8' LT
- 211+12, 18.9' RT
- 211+60, 17.1' LT
- 215+00, 21.0' LT
- 216+63, 28.1' RT
- 218+53, 28.1' RT
- 222+10, 18.2' LT
- 222+18, 19.8' RT
- 231+45, 35.6' RT
- 232+40, 20.8' LT
- 237+06, 42.6' RT

**STRUCTURE ADJUSTMENTS**

- 200+29, 19.2' RT (MH)
- 208+80, 31.3' RT (CB)
- 209+37, 45.1' RT (MH)
- 236+62, 38.2' RT (MH)
- 241+62, 28.7' LT (MH)
- 253+48, 22.7' RT (MH)
- 255+58, 23.9' RT (MH)
- 256+29, 28.4' LT (MH)
- 258+06, 21.8' RT (MH)
- 258+80, 21.5' LT (MH)
- 260+97, 27.4' RT (VV)
- 262+75, 15.9' LT (MH)



**LEGEND**

	TREE PROTECTION		HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/2"
	REMOVE ITEM		HOT-MIX ASPHALT SURFACE REMOVAL, BUTT JOINT
	ADJUST ITEM		AGGREGATE SHOULDER REMOVAL (PAID AS REM DISP UNS MATLS)
	TREE REMOVAL		DRIVEWAY PAVEMENT REMOVAL
	SIDEWALK REMOVAL		PIPE CULVERT/STORM SEWER REMOVAL
	PCC DRIVEWAY REMOVAL AND REPLACEMENT		COMBINATION CURB AND GUTTER REMOVAL

COMPANY NAME: HRGreen  
 PROJECT CONTACT: jhorwit  
 CLIENT: 157-rem-01.dgn  
 DATE PLOTTED: 2/11/2015 4:38:03 PM  
 FILE NAME: 157-rem-01.dgn  
 PLOT DRIVER: pdf.plt  
 PEN TABLE: standard-trans-screen-topo.tbl

**PROJECT BEGINS STA 200+00**

HRGreen.com  
Illinois Professional Design Firm  
#184-001322

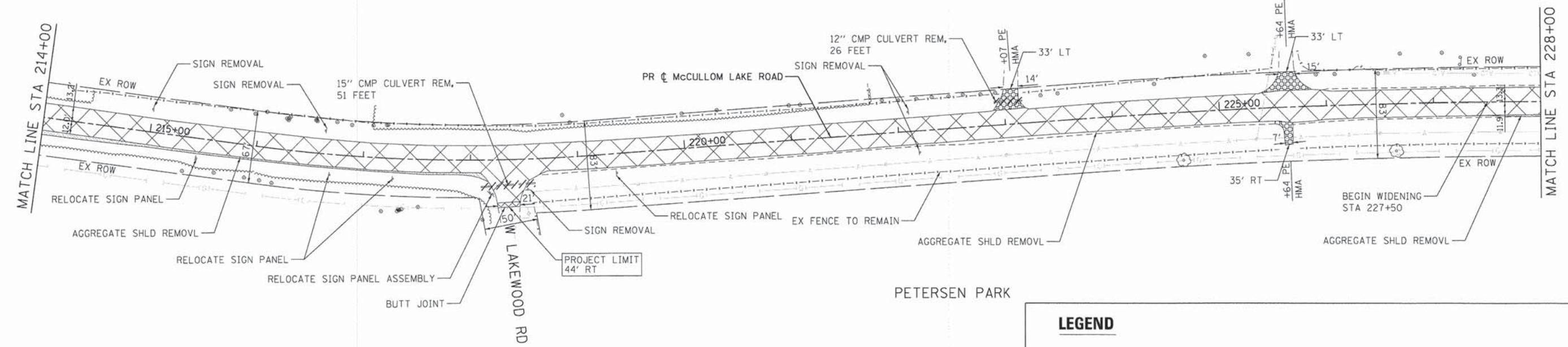
USER NAME = jhorwit	DESIGNED - JS	REVISED -
FILE NAME = 157-rem-01.dgn	DRAWN - DMS	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - TH	REVISED -
PLOT DATE = 2/11/2015	DATE - 2/11/15	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLAN  
MCCULLOM LAKE ROAD**

SCALE: 1" = 50'    SHEET NO. 1 OF 5 SHEETS    STA. 200+00 TO STA. 214+00

F.A.U. RTE. 4085	SECTION 13-00077-00-RS	COUNTY MCHENRY	TOTAL SHEETS 81	SHEET NO. 14
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 61A29				



**LEGEND**

- TREE PROTECTION
- REMOVE ITEM
- ADJUST ITEM
- TREE REMOVAL
- SIDEWALK REMOVAL
- PCC DRIVEWAY REMOVAL AND REPLACEMENT
- HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/2"
- HOT-MIX ASPHALT SURFACE REMOVAL, BUTT JOINT
- AGGREGATE SHOULDER REMOVAL (PAID AS REM DISP UNS MATLS)
- DRIVEWAY PAVEMENT REMOVAL
- PIPE CULVERT/STORM SEWER REMOVAL
- COMBINATION CURB AND GUTTER REMOVAL

COMPANY NAME: HRGreen  
 PROJECT CONTACT: jhorwit  
 CLIENT: 2/11/2015 4:38:09 PM  
 DATE PLOTTED: 157-rm-02.dgn  
 FILE NAME: pdf.plt  
 PLOT DRIVER: s:\font\ar-d-trans-screen-topo.tbl  
 PEN TABLE:



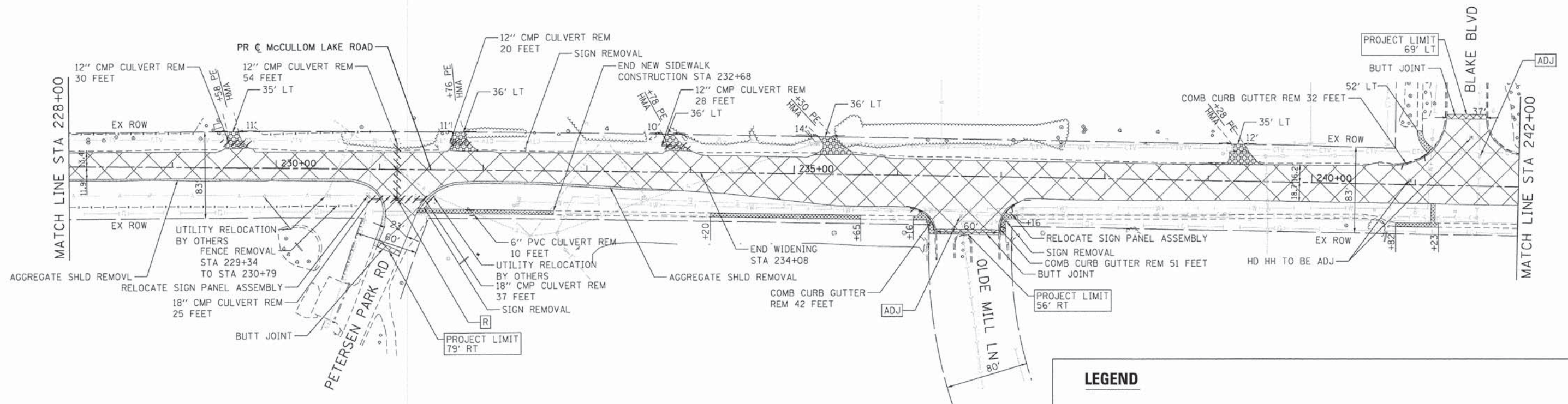
USER NAME = jhorwit	DESIGNED - JS	REVISED -
FILE NAME = 157-rm-02.dgn	DRAWN - DMS	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - TH	REVISED -
PLOT DATE = 2/11/2015	DATE - 2/11/15	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLAN  
MCCULLOM LAKE ROAD**

SCALE: 1" = 50'    SHEET NO. 2 OF 5 SHEETS    STA. 214+00 TO STA. 228+00

F.A.U. RTE. 4085	SECTION 13-00077-00-RS	COUNTY MCHENRY	TOTAL SHEETS 81	SHEET NO. 15
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 61A29				



**LEGEND**

- TREE PROTECTION
- REMOVE ITEM
- ADJUST ITEM
- 
- SIDEWALK REMOVAL
- PCC DRIVEWAY REMOVAL AND REPLACEMENT
- HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/2"
- HOT-MIX ASPHALT SURFACE REMOVAL, BUTT JOINT
- AGGREGATE SHOULDER REMOVAL (PAID AS REM DISP UNS MATLS)
- DRIVEWAY PAVEMENT REMOVAL
- PIPE CULVERT/STORM SEWER REMOVAL
- COMBINATION CURB AND GUTTER REMOVAL

COMPANY NAME: HRGreen  
 PROJECT CONTACT: jhorwit  
 CLIENT: 2/11/2015 4:39:13 PM  
 DATE PLOTTED: 157-rem-03.dgn  
 FILE NAME: pdf.plt  
 PLOT DRIVER: s:\ford-d-1\trans-scr\rem-1\topo.tbl  
 PEN TABLE:



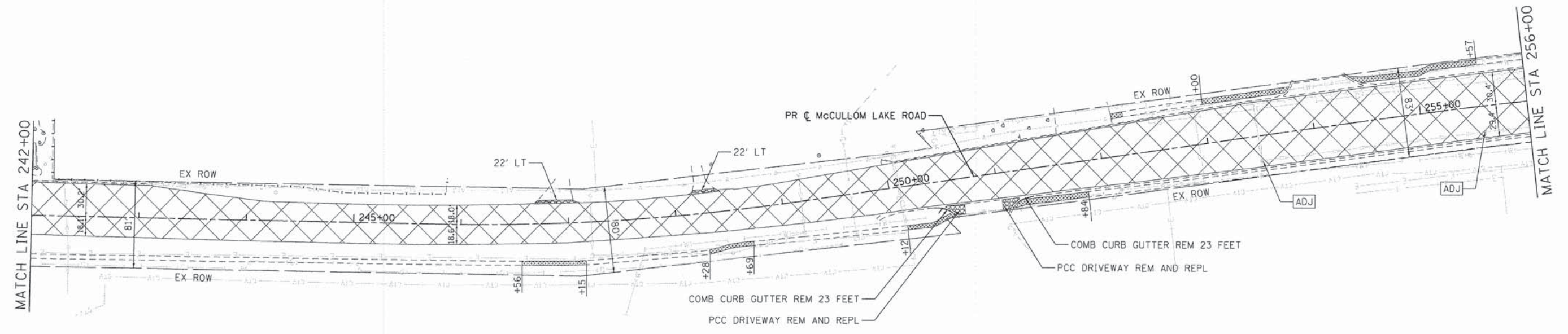
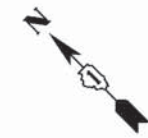
USER NAME = jhorwit	DESIGNED - JS	REVISED -
FILE NAME = 157-rem-03.dgn	DRAWN - DMS	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - TH	REVISED -
PLOT DATE = 2/11/2015	DATE - 2/11/15	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLAN  
MCCULLOM LAKE ROAD**  
 SCALE: 1" = 50'    SHEET NO. 3 OF 5 SHEETS    STA. 228+00 TO STA. 242+00

F.A.U. RTE. 4085	SECTION 13-00077-00-RS	COUNTY MCHENRY	TOTAL SHEETS 81	SHEET NO. 16
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 61A29				





**LEGEND**

- TREE PROTECTION
- REMOVE ITEM
- ADJUST ITEM
- TREE REMOVAL
- SIDEWALK REMOVAL
- PCC DRIVEWAY REMOVAL AND REPLACEMENT
- HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/2"
- HOT-MIX ASPHALT SURFACE REMOVAL, BUTT JOINT
- AGGREGATE SHOULDER REMOVAL (PAID AS REM DISP UNS MATLS)
- DRIVEWAY PAVEMENT REMOVAL
- PIPE CULVERT/STORM SEWER REMOVAL
- COMBINATION CURB AND GUTTER REMOVAL

COMPANY NAME: HRGreen  
 PROJECT CONTACT: HRGreen.com  
 CLIENT: Illinois Professional Design Firm  
 DATE PLOTTED: 2/11/2015 4:35:18 PM  
 PLOT DRIVER: 157-rem-04.dgn  
 PEN TABLE: standard-trans-screen-table.tbl

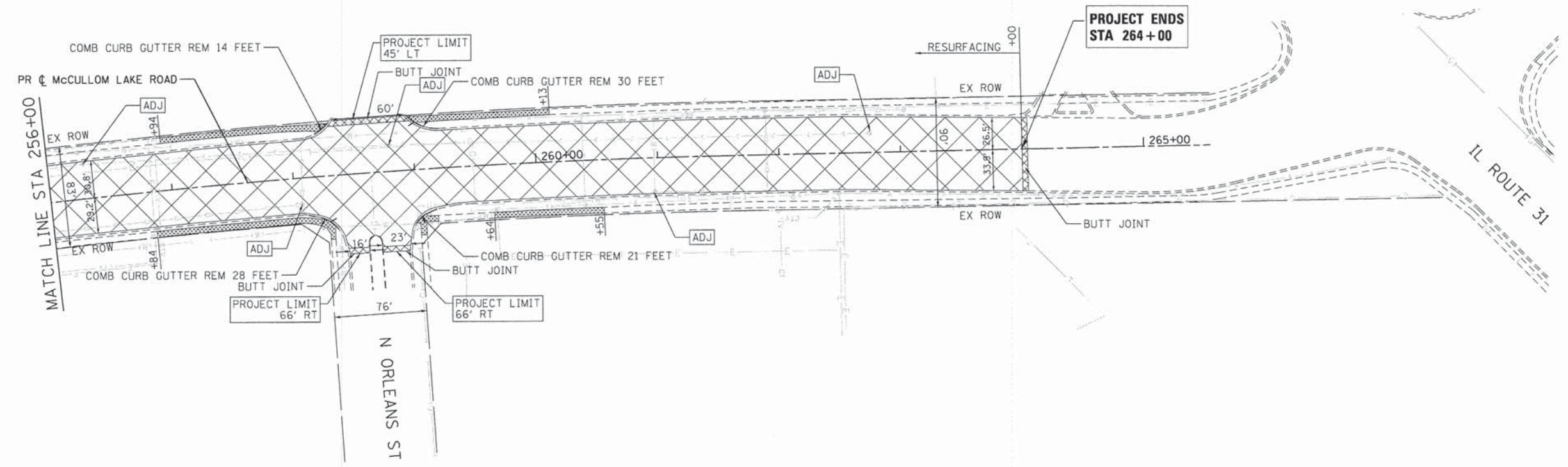


USER NAME = jhorwit	DESIGNED - JS	REVISED -
FILE NAME = 157-rem-04.dgn	DRAWN - DMS	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - TH	REVISED -
PLOT DATE = 2/11/2015	DATE - 2/11/15	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>REMOVAL PLAN MCCULLOM LAKE ROAD</b>	
SCALE: 1" = 50'	SHEET NO. 4 OF 5 SHEETS
STA. 242+00	TO STA. 256+00

F.A.U. RTE. 4085	SECTION 13-00077-00-RS	COUNTY MCHENRY	TOTAL SHEETS 81	SHEET NO. 17
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 61A29	



**LEGEND**

- TREE PROTECTION
- REMOVE ITEM
- ADJUST ITEM
- 
- SIDEWALK REMOVAL
- PCC DRIVEWAY REMOVAL AND REPLACEMENT
- HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/2"
- HOT-MIX ASPHALT SURFACE REMOVAL, BUTT JOINT
- AGGREGATE SHOULDER REMOVAL (PAID AS REM DISP UNS MATLS)
- DRIVEWAY PAVEMENT REMOVAL
- PIPE CULVERT/STORM SEWER REMOVAL
- COMBINATION CURB AND GUTTER REMOVAL

COMPANY NAME: HRGreen  
 PROJECT CONTACT: jhorwit  
 CLIENT: 2/11/2015 4:39:22 PM  
 DATE PLOTTED: 157-rm-05.dgn  
 FILE NAME: pdf.plt  
 PLOT DRIVER: standard-tran-scr-men-fppa.tbl  
 PEN TABLE:



USER NAME = jhorwit	DESIGNED - JS	REVISED -
FILE NAME = 157-rm-05.dgn	DRAWN - DMS	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - TH	REVISED -
PLOT DATE = 2/11/2015	DATE - 2/11/15	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>REMOVAL PLAN MCCULLOM LAKE ROAD</b>	
SCALE: 1" = 50'	SHEET NO. 5 OF 5 SHEETS STA. 256+00 TO STA. 264+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4085	13-00077-00-RS	MCHENRY	81	18
CONTRACT NO. 61A29			ILLINOIS FED. AID PROJECT	

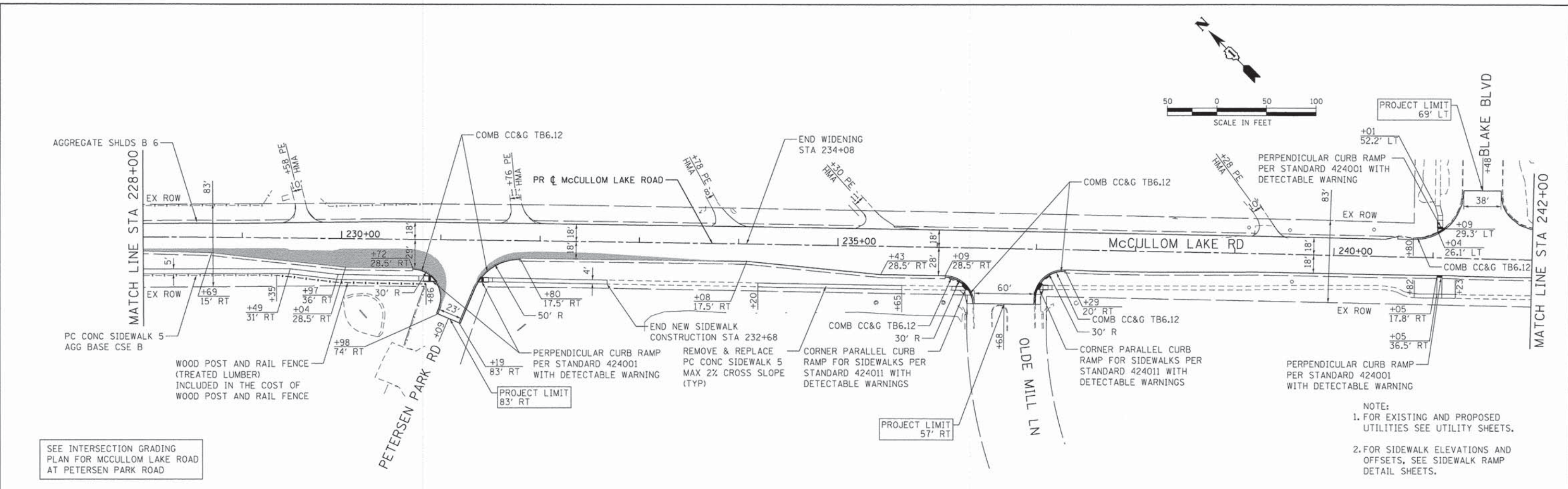




PLAN	SURVEYED	DATE
	PLOTTED	BY
	NOTED	NO.
	NO. OF WAY CHECKED	
	CADD FILE NAME	

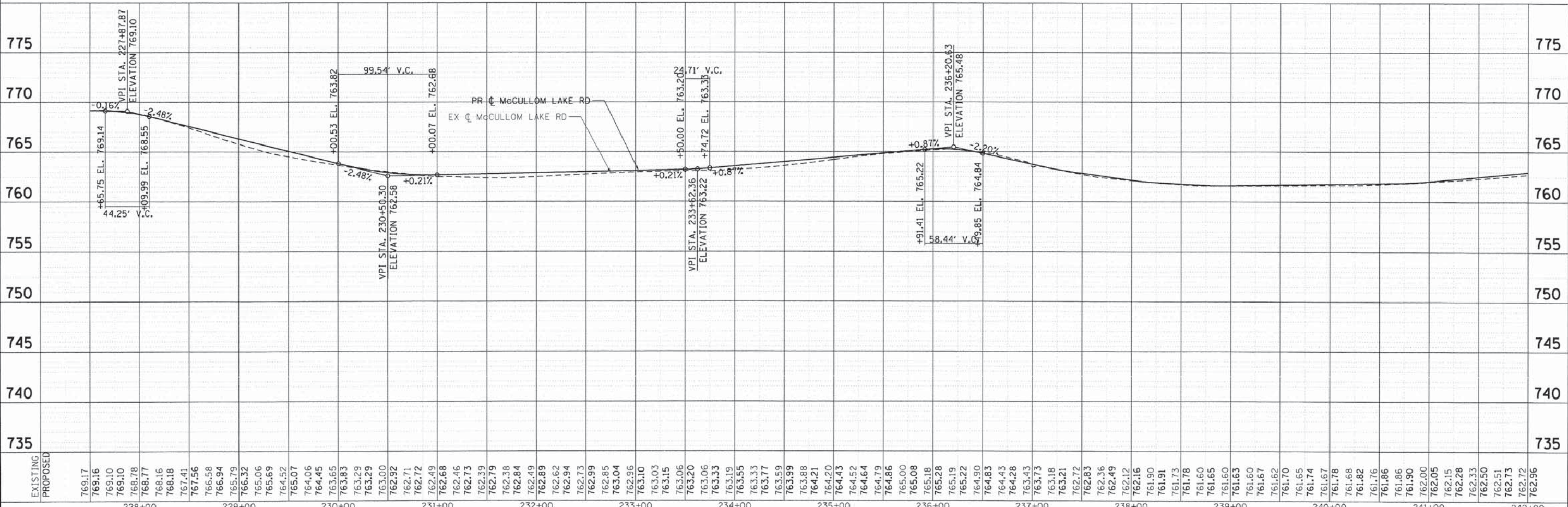
PROFILE	SURVEYED	DATE
	PLOTTED	BY
	NOTED	NO.
	NO. OF WAY CHECKED	
	STRUCTURE NOTATIONS CHECKED	

COMPANY NAME: HRGreen  
 PROJECT CONTACT: Jharwit  
 CLIENT: Illinois Professional Design Firm  
 DATE PLOTTED: 2/11/2015 4:39:37 PM  
 PLOT DRNGR: 157-nrp-03.dgn  
 PEN TABLE: 157-nrp-03.dgn



SEE INTERSECTION GRADING PLAN FOR MCCULLOM LAKE ROAD AT PETERSEN PARK ROAD

- NOTE:  
 1. FOR EXISTING AND PROPOSED UTILITIES SEE UTILITY SHEETS.  
 2. FOR SIDEWALK ELEVATIONS AND OFFSETS, SEE SIDEWALK RAMP DETAIL SHEETS.



EXISTING	769.17	769.16	769.10	769.10	768.78	768.77	768.16	768.18	767.41	767.56	766.58	766.94	766.94	766.94	766.32	765.06	765.69	764.52	765.07	764.06	764.06	764.45	763.83	763.83	763.29	763.29	763.00	762.92	762.71	762.72	762.49	762.68	762.46	762.73	762.73	762.39	762.79	762.38	762.38	762.84	762.84	762.49	762.89	762.62	762.94	762.94	762.73	762.99	762.85	763.04	763.04	762.96	763.10	763.03	763.03	763.15	763.06	763.20	763.06	763.33	763.33	763.19	763.55	763.33	763.77	763.59	763.99	763.88	764.21	764.20	764.43	764.52	764.64	764.79	764.86	765.00	765.08	765.18	765.28	765.19	765.22	764.90	764.83	764.43	764.43	764.28	763.43	763.73	763.18	763.21	762.72	762.83	762.36	762.49	762.12	762.16	761.90	761.91	761.78	761.78	761.60	761.65	761.74	761.67	761.62	761.70	761.65	761.78	761.68	761.82	761.76	761.86	761.86	761.90	762.00	762.05	762.15	762.28	762.33	762.50	762.51	762.73	762.72	762.96	775	775	770	770	765	765	760	760	755	755	750	750	745	745	740	740	735	735
PROPOSED	769.17	769.16	769.10	769.10	768.78	768.77	768.16	768.18	767.41	767.56	766.58	766.94	766.94	766.94	766.32	765.06	765.69	764.52	765.07	764.06	764.06	764.45	763.83	763.83	763.29	763.29	763.00	762.92	762.71	762.72	762.49	762.68	762.46	762.73	762.73	762.39	762.79	762.38	762.38	762.84	762.84	762.49	762.89	762.62	762.94	762.94	762.73	762.99	762.85	763.04	763.04	762.96	763.10	763.03	763.03	763.15	763.06	763.20	763.06	763.33	763.33	763.19	763.55	763.33	763.77	763.59	763.99	763.88	764.21	764.20	764.43	764.52	764.64	764.79	764.86	765.00	765.08	765.18	765.28	765.19	765.22	764.90	764.83	764.43	764.43	764.28	763.43	763.73	763.18	763.21	762.72	762.83	762.36	762.49	762.12	762.16	761.90	761.91	761.78	761.78	761.60	761.65	761.74	761.67	761.62	761.70	761.65	761.78	761.68	761.82	761.76	761.86	761.86	761.90	762.00	762.05	762.15	762.28	762.33	762.50	762.51	762.73	762.72	762.96	775	775	770	770	765	765	760	760	755	755	750	750	745	745	740	740	735	735

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN AND PROFILE  
 MCCULLOM LAKE ROAD

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4085	13-00077-00-RS	MCHENRY	81	21
SCALE: 1" = 50'		SHEET NO. 3 OF 5 SHEETS		STA. 228+00 TO STA. 242+00
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

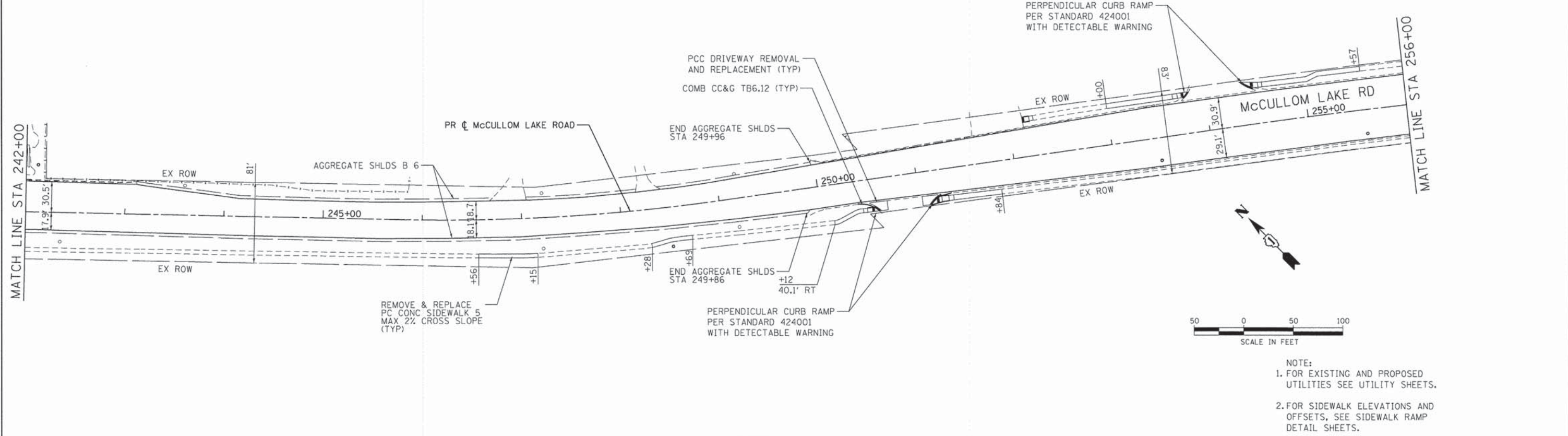
HRGreen.com  
 Illinois Professional Design Firm  
 # 184-001322

USER NAME = jharwit	DESIGNED - JS	REVISED -
FILE NAME = 157-nrp-03.dgn	DRAWN - DMS	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - TH	REVISED -
PLOT DATE = 2/11/2015	DATE - 2/11/15	REVISED -

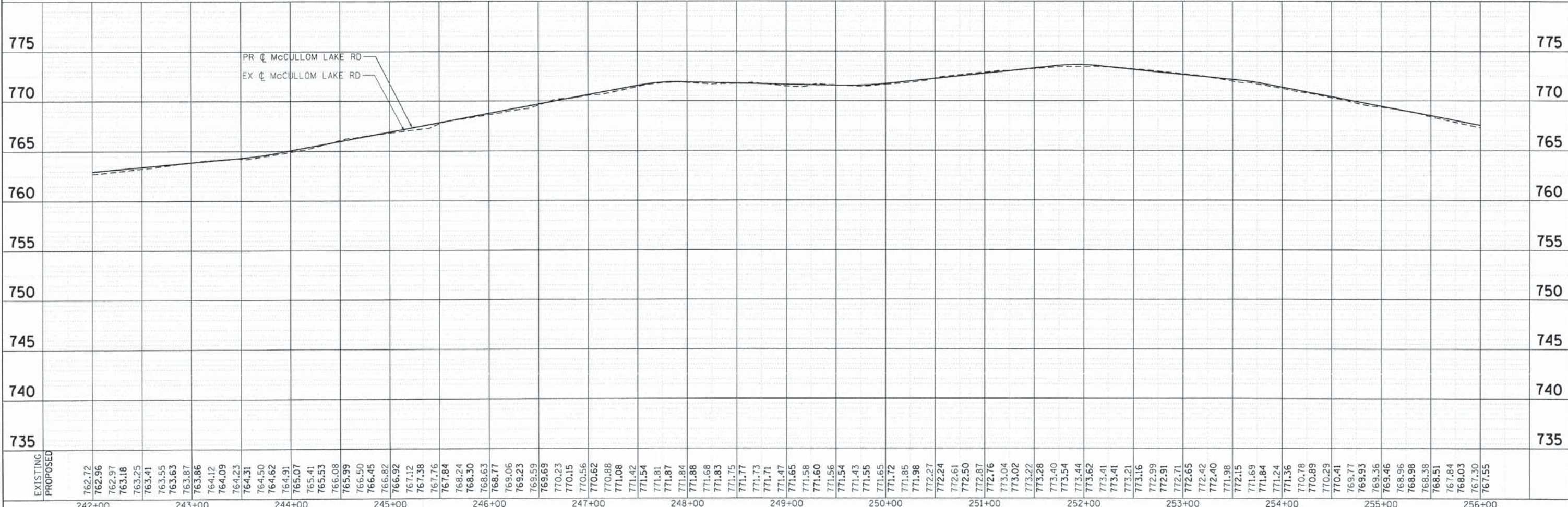
DATE	
BY	
REVISIONS	
PLANNING	
DESIGN	
CHECKED	
NO. 1	

DATE	
BY	
REVISIONS	
PROFILE	
DESIGN	
CHECKED	
NO. 1	

COMPANY NAME: HRGreen.com  
 PROJECT CONTACT: J. Horvath  
 CLIENT: STATE OF ILLINOIS  
 DATE PLOTTED: 2/11/2015 4:39:43 PM  
 FILE NAME: 157-npp-04.dgn  
 PLOT DRIVER: pnf.plt  
 PEN TABLE: standard-0-tr-onw-screen-topo.tbl



**NOTE:**  
 1. FOR EXISTING AND PROPOSED UTILITIES SEE UTILITY SHEETS.  
 2. FOR SIDEWALK ELEVATIONS AND OFFSETS, SEE SIDEWALK RAMP DETAIL SHEETS.



EXISTING PROPOSED	762.72 762.96	762.97 763.18	763.25 763.41	763.55 763.63	763.87 763.86	764.12 764.09	764.23 764.31	764.50 764.50	764.62 764.91	765.07 765.41	765.53 766.08	766.59 766.50	766.45 766.82	766.92 767.12	767.38 767.76	767.84 768.24	768.30 768.63	768.77 769.06	769.23 769.59	769.69 770.23	770.15 770.56	770.62 770.88	771.08 771.42	771.54 771.81	771.87 771.84	771.88 771.68	771.83 771.75	771.77 771.73	771.71 771.47	771.65 771.58	771.60 771.56	771.54 771.43	771.55 771.65	771.72 771.85	771.98 772.27	772.24 772.61	772.50 772.87	772.76 773.04	773.02 773.22	773.28 773.40	773.54 773.44	773.44 773.62	773.41 773.21	773.21 773.16	772.99 772.91	772.91 772.71	772.65 772.42	772.40 772.15	772.15 771.69	771.69 771.84	771.84 771.24	771.24 771.36	770.78 770.89	770.89 770.29	770.29 770.41	769.77 769.93	769.93 769.36	769.36 769.46	768.96 768.98	768.98 768.38	768.38 768.51	767.84 768.03	767.30 767.55	775	770	765	760	755	750	745	740	735
	242+00			243+00			244+00			245+00			246+00			247+00			248+00			249+00			250+00			251+00			252+00			253+00			254+00			255+00			256+00																													
	USER NAME = jhorvath			DESIGNED - JS			REVISOR -			DRAWN - DMS			REVISOR -			CHECKED - TH			REVISOR -			PLOT DATE = 2/11/2015			DATE = 2/11/15			REVISED -																																												
FILE NAME = 157-npp-04.dgn			DRAWN - DMS			REVISOR -			CHECKED - TH			REVISOR -			PLOT DATE = 2/11/2015			DATE = 2/11/15			REVISED -																																																			
PLOT SCALE = 1" = 50'			CHECKED - TH			REVISOR -			PLOT DATE = 2/11/2015			DATE = 2/11/15			REVISED -																																																									
PLOT DATE = 2/11/2015			DATE = 2/11/15			REVISED -																																																																		

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN AND PROFILE**  
**MCCULLOM LAKE ROAD**

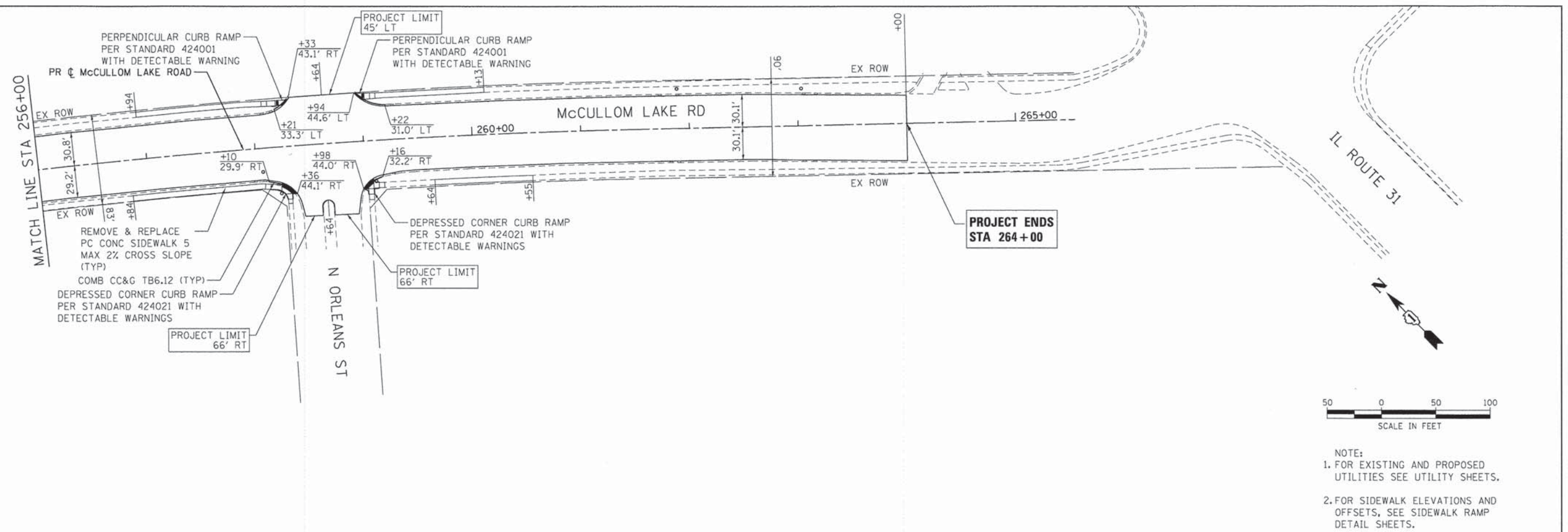
SCALE: 1" = 50' SHEET NO. 4 OF 5 SHEETS STA. 242+00 TO STA. 256+00

F.A.U. RTE. 4085	SECTION 13-00077-00-RS	COUNTY MCHENRY	TOTAL SHEETS 81	SHEET NO. 22
CONTRACT NO. 61A29			ILLINOIS FED. AID PROJECT	

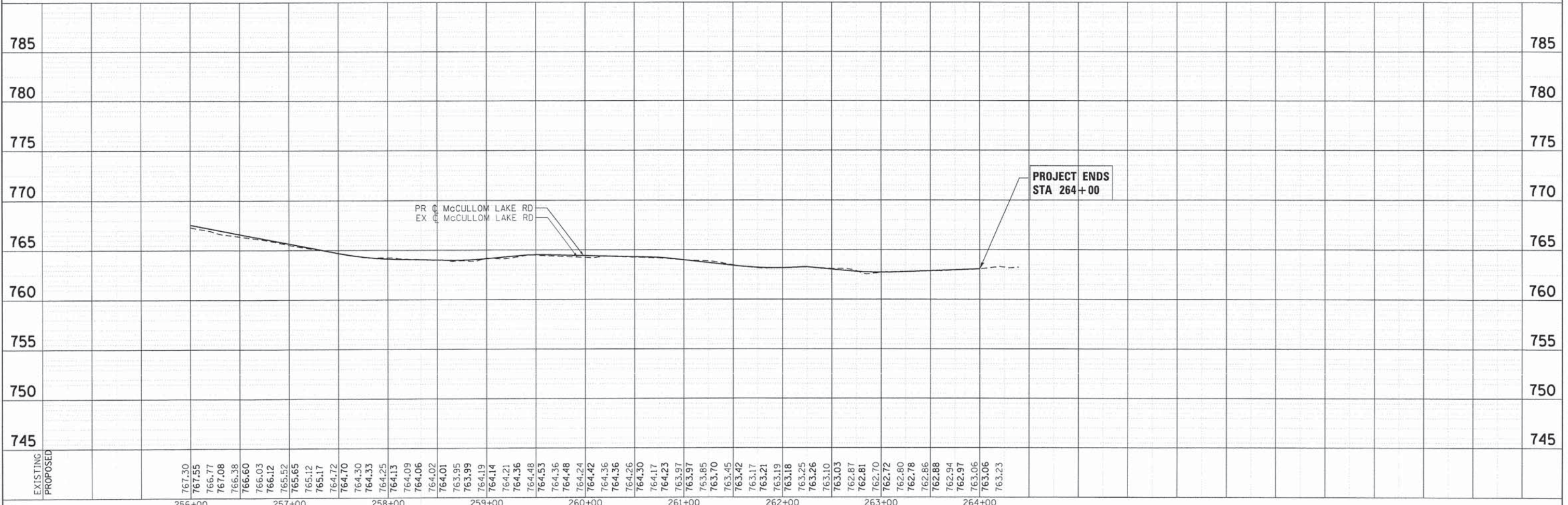
PLAN	REVISIONS	DATE
NO.	NO.	
NO.	NO.	
NO.	NO.	
NO.	NO.	

PROFILE	REVISIONS	DATE
NO.	NO.	
NO.	NO.	
NO.	NO.	
NO.	NO.	

COMPANY NAME: HRGreen  
 PROJECT CONTACT: jhorwst  
 CLIENT: HRGreen.com  
 DATE PLOTTED: 2/11/2015 4:39:47 PM  
 FILE NAME: 157-pnp-05.dgn  
 PLOT DRIVER: pdf.plt  
 PEN TABLE: s:\standard\forms\scr\pen.tbl



NOTE:  
 1. FOR EXISTING AND PROPOSED UTILITIES SEE UTILITY SHEETS.  
 2. FOR SIDEWALK ELEVATIONS AND OFFSETS, SEE SIDEWALK RAMP DETAIL SHEETS.



EXISTING	767.30	767.55	766.77	767.08	766.38	766.60	766.03	765.52	765.65	765.12	765.17	764.72	764.70	764.30	764.33	764.25	764.13	764.09	764.06	764.02	764.01	763.95	763.99	764.19	764.14	764.21	764.36	764.48	764.24	764.42	764.36	764.36	764.26	764.30	764.17	764.23	763.97	763.85	763.70	763.45	763.42	763.17	763.21	763.19	763.18	763.25	763.26	763.10	763.03	762.87	762.81	762.70	762.72	762.80	762.78	762.88	762.88	762.94	762.97	763.06	763.06	763.23
	256+00	257+00	258+00	259+00	260+00	261+00	262+00	263+00	264+00																																																					

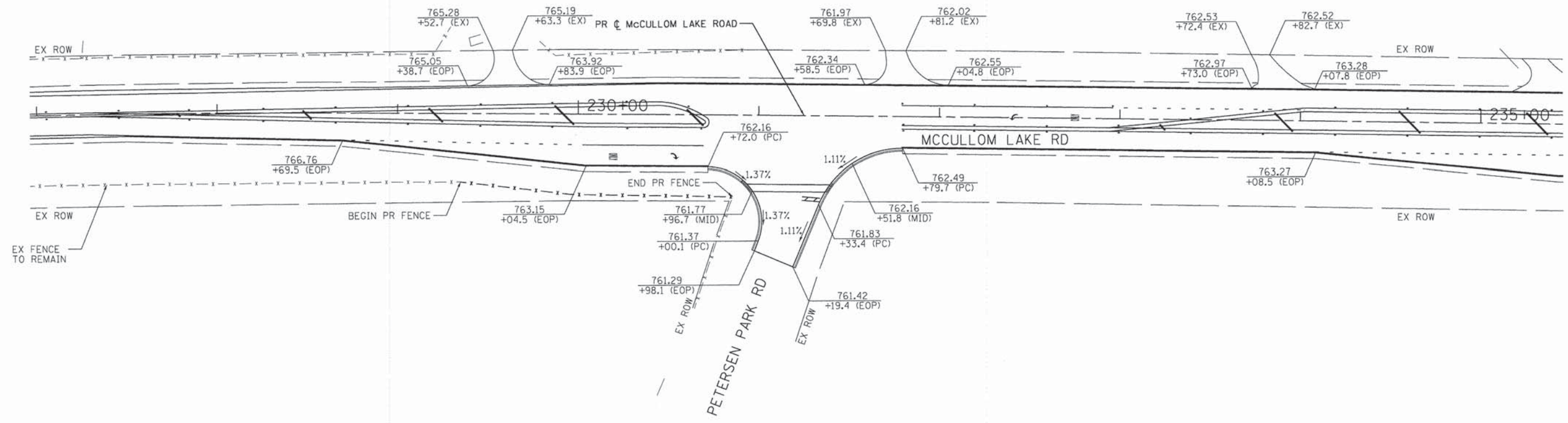
**HRGreen**  
 HRGreen.com  
 Illinois Professional Design Firm  
 # 184-001322

USER NAME = jhorwst	DESIGNED - JS	REVISED -
FILE NAME = 157-pnp-05.dgn	DRAWN - DMS	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - TH	REVISED -
PLOT DATE = 2/11/2015	DATE - 2/11/15	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>ROADWAY PLAN AND PROFILE MCCULLOM LAKE ROAD</b>	
SCALE: 1" = 50'	SHEET NO. 5 OF 5 SHEETS
STA. 256+00	TO STA. 264+00

F.A.U. R.T.E. 4085	SECTION 13-00077-00-RS	COUNTY MCHENRY	TOTAL SHEETS 81	SHEET NO. 23
CONTRACT NO. 61A29			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	



NOTE:  
 1. FOR EXISTING AND PROPOSED UTILITIES SEE UTILITY SHEETS.  
 2. FOR SIDEWALK ELEVATIONS AND OFFSETS, SEE SIDEWALK RAMP DETAIL SHEETS.

COMPANY NAME: HRGreen  
 PROJECT CONTACT: jharwit  
 CLIENT: 2/11/2015 4:39:52 PM  
 DATE PLOTTED: 157-1gp.dgn  
 FILE NAME: jharwit  
 PLOT DIRECTOR: jharwit  
 PLOT TABLET: standard-trans-screen-fopoc.tbl

**HRGreen**  
 HRGreen.com  
 Illinois Professional Design Firm  
 #184-001322

USER NAME = jharwit	DESIGNED - JS	REVISED -
FILE NAME = 157-1gp.dgn	DRAWN - DMS	REVISED -
PLOT SCALE = 1" = 30'	CHECKED - TH	REVISED -
PLOT DATE = 2/11/2015	DATE - 2/11/15	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**INTERSECTION GRADING PLAN  
 MCCULLOM LAKE ROAD**

SCALE: 1" = 30' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

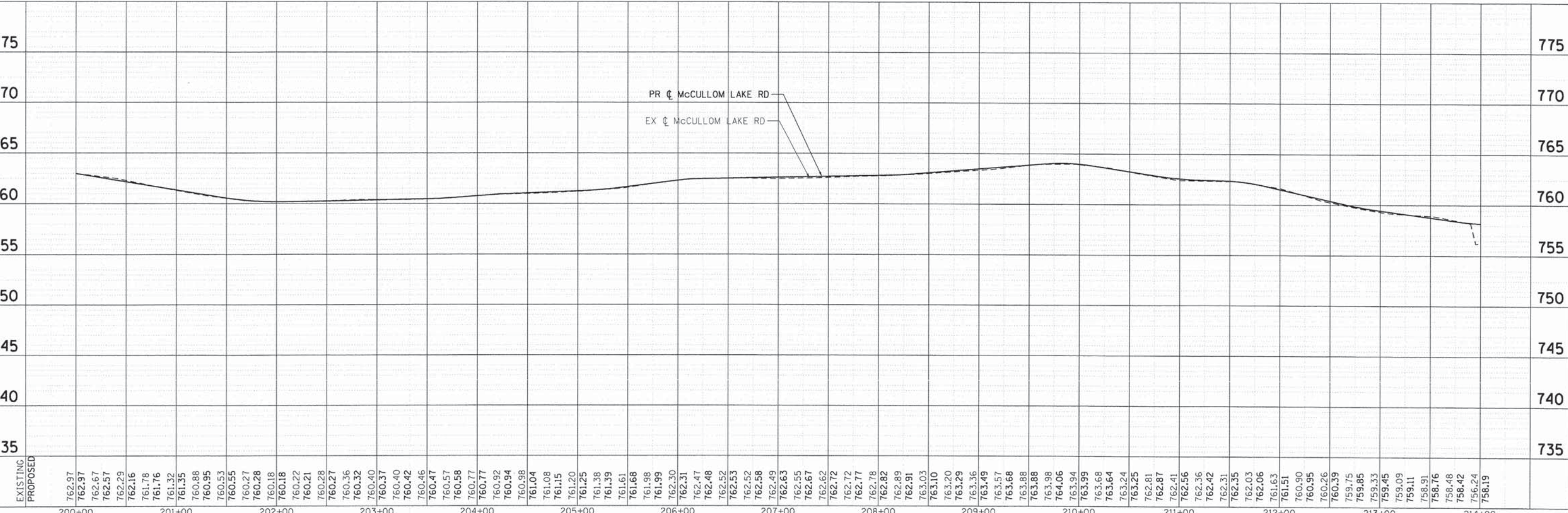
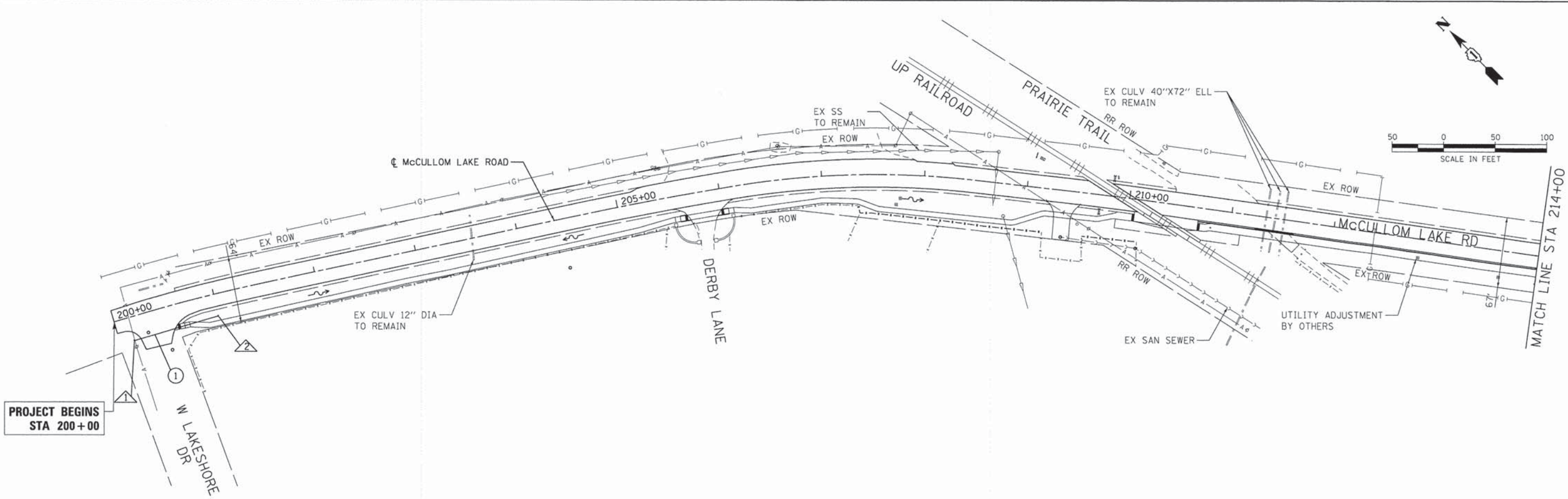
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4085	13-00077-00-RS	MCHENRY	81	24
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61A29	



PLAN	DATE
NO.	BY
NO.	DATE
NO.	DATE
NO.	DATE

PROFILE	DATE
NO.	BY
NO.	DATE
NO.	DATE
NO.	DATE

COMPANY NAME: HRGreen  
 PROJECT CONTACT: J. Harvst  
 CLIENT: 2/11/2015 4:39:57 PM  
 DATE PLOTTED: 157-drain-01.dgn  
 FILE NAME: pdr.dwg  
 PLOT DRIVER: pdr.plt  
 PEN TABLE: s:\standard\irons-screen-table.tbl



EXISTING	762.97	762.97	762.67	762.57	762.29	762.16	761.78	761.76	761.32	761.35	760.88	760.95	760.53	760.55	760.27	760.28	760.18	760.18	760.22	760.21	760.28	760.27	760.36	760.32	760.40	760.37	760.40	760.42	760.46	760.47	760.57	760.58	760.77	760.92	760.94	760.98	761.04	761.08	761.15	761.20	761.25	761.38	761.39	761.61	761.68	761.98	761.99	762.30	762.31	762.47	762.48	762.52	762.53	762.52	762.58	762.49	762.63	762.55	762.67	762.62	762.72	762.72	762.77	762.78	762.82	762.89	762.91	763.03	763.10	763.20	763.29	763.36	763.49	763.57	763.68	763.88	763.88	763.98	764.06	763.94	763.99	763.68	763.64	763.24	763.25	762.81	762.87	762.41	762.41	762.56	762.36	762.42	762.31	762.35	762.03	762.06	761.63	761.63	761.51	760.90	760.95	760.26	760.39	760.39	759.75	759.85	759.33	759.45	759.09	759.11	758.91	758.76	758.48	758.42	756.24	758.19	775	775	770	770	765	765	760	760	755	755	750	750	745	745	740	740	735	735
200+00	201+00	202+00	203+00	204+00	205+00	206+00	207+00	208+00	209+00	210+00	211+00	212+00	213+00	214+00																																																																																																																								

HRGreen.com  
 Illinois Professional Design Firm  
 # 184-001322

USER NAME = jharvst	DESIGNED - JS	REVISIONS
FILE NAME = 157-drain-01.dgn	DRAWN - DMS	REVISOR
PLOT SCALE = 1" = 50'	CHECKED - TH	REVISIONS
PLOT DATE = 2/11/2015	DATE - 2/11/15	REVISIONS

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITY PLAN**  
**MCCULLOM LAKE ROAD**  
 SCALE: 1" = 50' SHEET NO. 1 OF 6 SHEETS STA. 200+00 TO STA. 214+00

F.A.U. RTE. 4085	SECTION 13-00077-00-RS	COUNTY MCHENRY	TOTAL SHEETS 81	SHEET NO. 25
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61A29	









STRUCTURE NUMBER	STATION	OFFSET (FT)	STRUCTURE TYPE			DIA. (FT.)	FRAME & GRATE	INVERTS		RIM ELEVATION
			CB TYPE A	INLETS TYPE A	FES			NORTH	SOUTH	
McCULLOM LAKE ROAD										
1	200+13.3	22.8			1					759.55
2	201+00.0	21.4			1					758.71
3	214+00.0	12.3		1				756.12		758.29
4	214+00.0	27.7			1					756.09
5	216+00.0	12.3		1				756.43		758.60
6	216+00.0	27.3			1					756.33
7	217+95.0	26.1			1					757.80
8	218+81.6	22.8			1					759.44
9	222+85.8	-21.6			1					767.03
10	223+23.7	-20.4			1					767.25
11	229+00.0	28.0	1			4	T8G		760.99	764.00
12	229+43.8	-22.7			1					762.65
13	229+75.7	-23.5			1					762.35
14	230+50.0	33.5	1			4	T8G	760.24	760.14	762.14
15	231+75.0	33.2			1					759.51
16	231+16.6	-24.6			1					760.00
17	231+75.7	31.0			1					759.51
18	231+64.7	-25.5			1					760.49
19	231+92.3	-26.3			1					760.63
20	231+79.0	33.8			2					759.40
21	231+94.9	46.5			2					759.29
22	233+69.4	-25.0			1					760.11
23	234+02.4	-24.5			1					760.25

PIPE NO.	FROM STRUCT.	TO STRUCT.	PIPE CULVERT, CLASS A		SLOPE (%)	TBF (CY)
			T1 12"	T1 15"		
McCULLOM LAKE ROAD						
1	1	2		74	0.98%	14.1
2	3	4		10	1.00%	1.3
3	5	6		10	1.00%	1.3
4	7	8		76	2.15%	14.5
5	9	10	26		0.85%	3.5
6	11	14	147		0.50%	27.4
7	12	13	20		1.50%	2.7
8	14	15	118		0.50%	18.0
9	16	17	69		0.60%	13.6
10	18	19	16		0.50%	2.8
11	20	21	8		0.55%	1.5
12	20	21	8		0.55%	1.5
13	22	23	21		0.42%	3.9

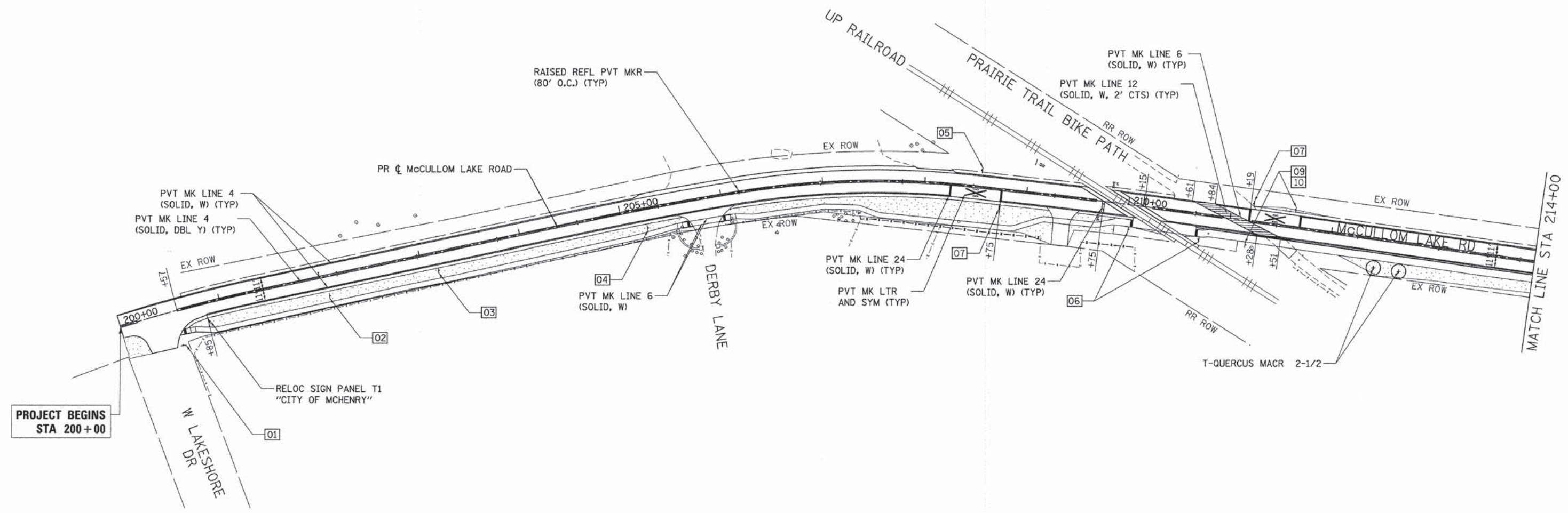
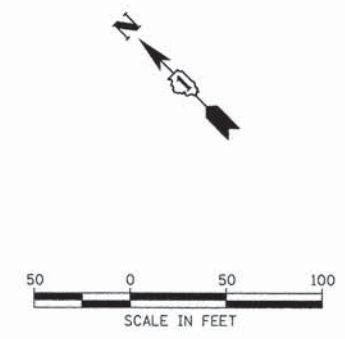
COMPANY NAME: HRGreen  
PROJECT CONTACT: HRGreen  
DATE PLOTTED: 2/11/2015 4:40:19 PM  
FILE NAME: 157-drain-sch.dgn  
PLOT DRIVER: pdfplot  
PEN TABLE: standard-frans-screen-topso.tbl

USER NAME = jhorwit	DESIGNED - JS	REVISED -
FILE NAME = 157-drain-sch.dgn	DRAWN - DMS	REVISED -
PLOT SCALE = NTS	CHECKED - TH	REVISED -
PLOT DATE = 2/11/2015	DATE - 2/11/15	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DRAINAGE SCHEDULES McCULLOM LAKE ROAD</b>	
SCALE: NTS	SHEET NO. 6 OF 6 SHEETS STA. TO STA.

F.A.U. RTE. 4085	SECTION 13-00077-00-RS	COUNTY MCHENRY	TOTAL SHEETS 81	SHEET NO. 30
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 61A29	



**LANDSCAPING NOTES:**  
 THE CONTRACTOR SHALL STAKE ALL TREE LOCATIONS PRIOR TO INSTALLATION AND CONTACT THE RESIDENT ENGINEER FOR APPROVAL.

ALL PLANTS SHALL BE NURSERY GROWN PLANTS MEETING AMERICAN NURSERY AND LANDSCAPE ASSOCIATION (ANLA) STANDARDS SET FORTH IN THE "AMERICAN STANDARD FOR NURSERY STOCK" (ANSI 260.1-2004).

PLANTS ARE TO BE TYPICAL IN SHAPE AND SIZE FOR SPECIES AND MATCHED IN FORM.

**LEGEND :**

	SEEDING, CLASS 2A
	TREE, QUERCUS MACROCARPA (BUR OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED

**PAVEMENT MARKING AND SIGNAGE NOTES:**  
 SEE IDOT DISTRICT ONE DETAIL TC-13 AND CONSTRUCTION DETAILS FOR ADDITIONAL PAVEMENT MARKING AND MARKER DETAILS.

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

ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC AND RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED PER THE CONSTRUCTION DETAILS AND DISTRICT 1 DETAIL (TC-11).

COMPANY NAME: HRGreen  
 PROJECT CONTACT: [Name]  
 CLIENT: [Name]  
 DATE PLOTTED: 2/20/2015 9:45:53 AM  
 FILE NAME: 157-pmk-01.dgn  
 PLOT DRIVER: pcf.plt  
 PEN TABLET: standard-trim-screen-topo.tbl

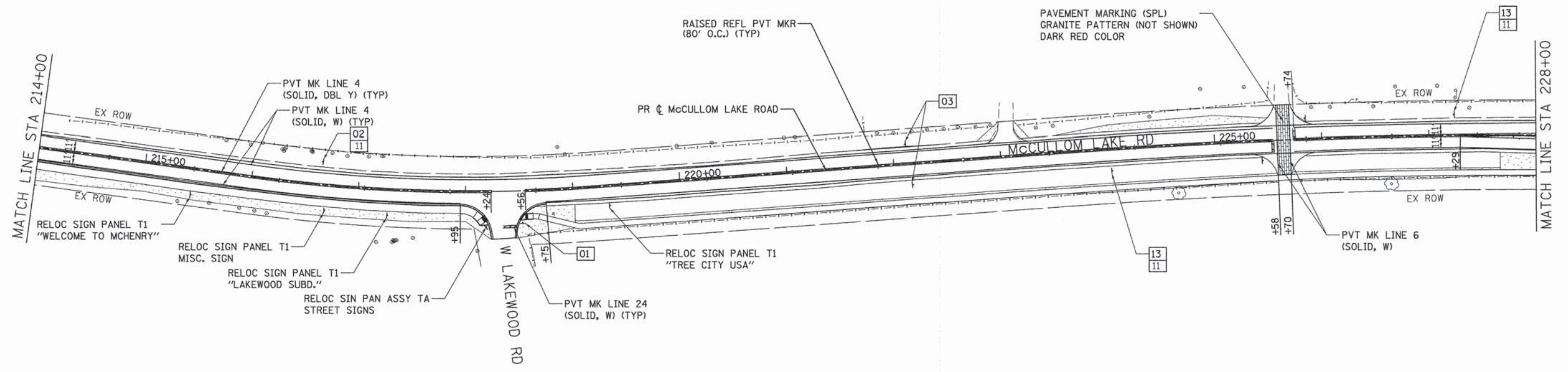
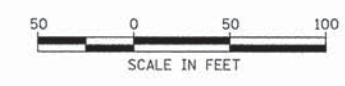
**HRGreen**  
 HRGreen.com  
 Illinois Professional Design Firm  
 # 184-001322

USER NAME = dstancoz	DESIGNED - JS	REVISED -
FILE NAME = 157-pmk-01.dgn	DRAWN - DMS	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - TH	REVISED -
PLOT DATE = 2/20/2015	DATE - 2/20/15	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING, SIGNING AND LANDSCAPE PLAN  
 MCCULLOM LAKE ROAD**

F.A.U. RTE. 4085	SECTION 13-00077-00-RS	COUNTY MCHENRY	TOTAL SHEETS 81	SHEET NO. 31
SCALE: 1" = 50'		SHEET NO. 1 OF 6 SHEETS		STA. 200+00 TO STA. 214+00
FED. ROAD DIST. NO. [ ]		ILLINOIS FED. AID PROJECT		



LANDSCAPING NOTES:  
 THE CONTRACTOR SHALL STAKE ALL TREE LOCATIONS PRIOR TO INSTALLATION AND CONTACT THE RESIDENT ENGINEER FOR APPROVAL.

ALL PLANTS SHALL BE NURSERY GROWN PLANTS MEETING AMERICAN NURSERY AND LANDSCAPE ASSOCIATION (ANLA) STANDARDS SET FORTH IN THE "AMERICAN STANDARD FOR NURSERY STOCK" (ANSI 260.1-2004).

PLANTS ARE TO BE TYPICAL IN SHAPE AND SIZE FOR SPECIES AND MATCHED IN FORM.

LEGEND :	
	SEEDING, CLASS 2A
	TREE, QUERCUS MACROCARPA (BUR OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED

PAVEMENT MARKING AND SIGNAGE NOTES:  
 SEE IDOT DISTRICT ONE DETAIL TC-13 AND CONSTRUCTION DETAILS FOR ADDITIONAL PAVEMENT MARKING AND MARKER DETAILS.

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

ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC AND RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED PER THE CONSTRUCTION DETAILS AND DISTRICT 1 DETAIL (TC-11).

COMPANY NAME: HRGreen  
 PROJECT CONTACT: HRGreen.com  
 CLIENT: Illinois Professional Design Firm #184-001322  
 DATE PLOTTED: 2/20/2015 9:37:21 AM  
 FILE NAME: 157-pmk-02.dgn  
 PLOT DRIVER: pdfplot  
 PEN TABLE: standard-trans-screen-fgpa.tbl



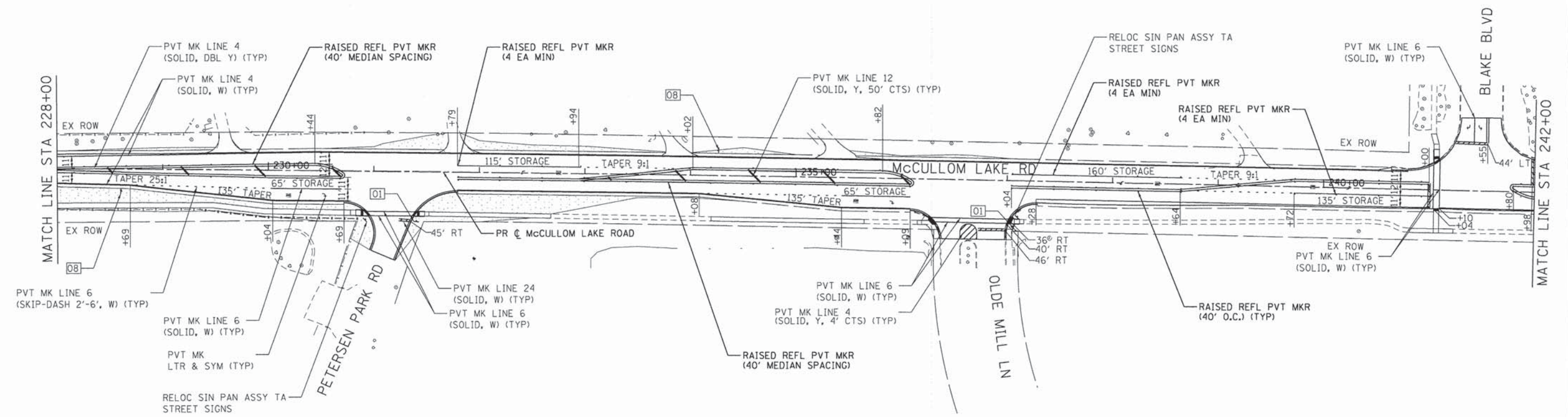
USER NAME = dstencz	DESIGNED - JS	REVISED -
FILE NAME = 157-pmk-02.dgn	DRAWN - DMS	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - TH	REVISED -
PLOT DATE = 2/20/2015	DATE - 2/20/15	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>PAVEMENT MARKING, SIGNING AND LANDSCAPE PLAN</b>			
<b>MCCULLOM LAKE ROAD</b>			
SCALE: 1" = 50'	SHEET NO. 2 OF 6 SHEETS	STA. 214+00	TO STA. 228+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4085	13-00077-00-RS	MCHENRY	81	32
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61A29	





**LANDSCAPING NOTES:**  
 THE CONTRACTOR SHALL STAKE ALL TREE LOCATIONS PRIOR TO INSTALLATION AND CONTACT THE RESIDENT ENGINEER FOR APPROVAL.

ALL PLANTS SHALL BE NURSERY GROWN PLANTS MEETING AMERICAN NURSERY AND LANDSCAPE ASSOCIATION (ANLA) STANDARDS SET FORTH IN THE "AMERICAN STANDARD FOR NURSERY STOCK" (ANSI 260.1-2004).

PLANTS ARE TO BE TYPICAL IN SHAPE AND SIZE FOR SPECIES AND MATCHED IN FORM.

**LEGEND :**

	SEEDING, CLASS 2A
	TREE, QUERCUS MACROCARPA (BUR OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED

**PAVEMENT MARKING AND SIGNAGE NOTES:**  
 SEE IDOT DISTRICT ONE DETAIL TC-13 AND CONSTRUCTION DETAILS FOR ADDITIONAL PAVEMENT MARKING AND MARKER DETAILS.

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

ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC AND RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED PER THE CONSTRUCTION DETAILS AND DISTRICT 1 DETAIL (TC-11).

COMPANY NAME: HRGreen.com  
 PROJECT CONTACT: jhorwit  
 CLIENT: STATE OF ILLINOIS  
 FILE NAME: 157-pmk-03.dgn  
 PLOT DRIVER: pdt.plt  
 PEN TABLE: standard-trans-screen-100a.tbl

**HRGreen.com**  
 Illinois Professional Design Firm  
 # 184-001322

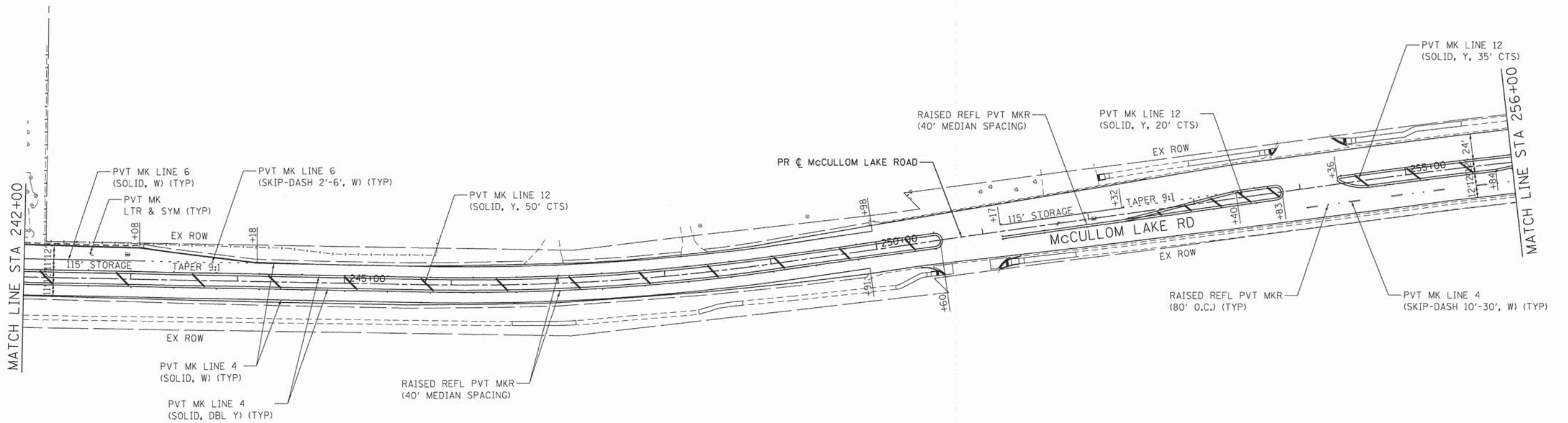
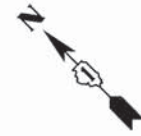
USER NAME = jhorwit	DESIGNED - JS	REVISED -
FILE NAME = 157-pmk-03.dgn	DRAWN - DMS	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - TH	REVISED -
PLOT DATE = 2/11/2015	DATE - 2/11/15	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING, SIGNING AND LANDSCAPE PLAN  
 MCCULLOM LAKE ROAD**

SCALE: 1" = 50'    SHEET NO. 3 OF 6 SHEETS    STA. 228+00 TO STA. 242+00

F.A.U. RTE. 4085	SECTION 13-00077-00-RS	COUNTY MCHENRY	TOTAL SHEETS 81	SHEET NO. 33
CONTRACT NO. 61A29				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



**LANDSCAPING NOTES:**  
 THE CONTRACTOR SHALL STAKE ALL TREE LOCATIONS PRIOR TO INSTALLATION AND CONTACT THE RESIDENT ENGINEER FOR APPROVAL.

ALL PLANTS SHALL BE NURSERY GROWN PLANTS MEETING AMERICAN NURSERY AND LANDSCAPE ASSOCIATION (ANLA) STANDARDS SET FORTH IN THE "AMERICAN STANDARD FOR NURSERY STOCK" (ANSI 260.1-2004).

PLANTS ARE TO BE TYPICAL IN SHAPE AND SIZE FOR SPECIES AND MATCHED IN FORM.

LEGEND :	
	SEEDING, CLASS 2A
	TREE, QUERCUS MACROCARPA (BUR OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED

**PAVEMENT MARKING AND SIGNAGE NOTES:**  
 SEE IDOT DISTRICT ONE DETAIL TC-13 AND CONSTRUCTION DETAILS FOR ADDITIONAL PAVEMENT MARKING AND MARKER DETAILS.

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

ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC AND RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED PER THE CONSTRUCTION DETAILS AND DISTRICT 1 DETAIL (TC-11).

COMPANY NAME: HRGreen  
 PROJECT CONTACT: jhorwit  
 DATE PLOTTED: 2/11/2015 4:40:36 PM  
 FILE NAME: 157-pmk-04.dgn  
 PLOT SCALE: 1" = 50'  
 PLOT DRIVER: standard-trans-screen-plot.tbl  
 PLOT TABLE:



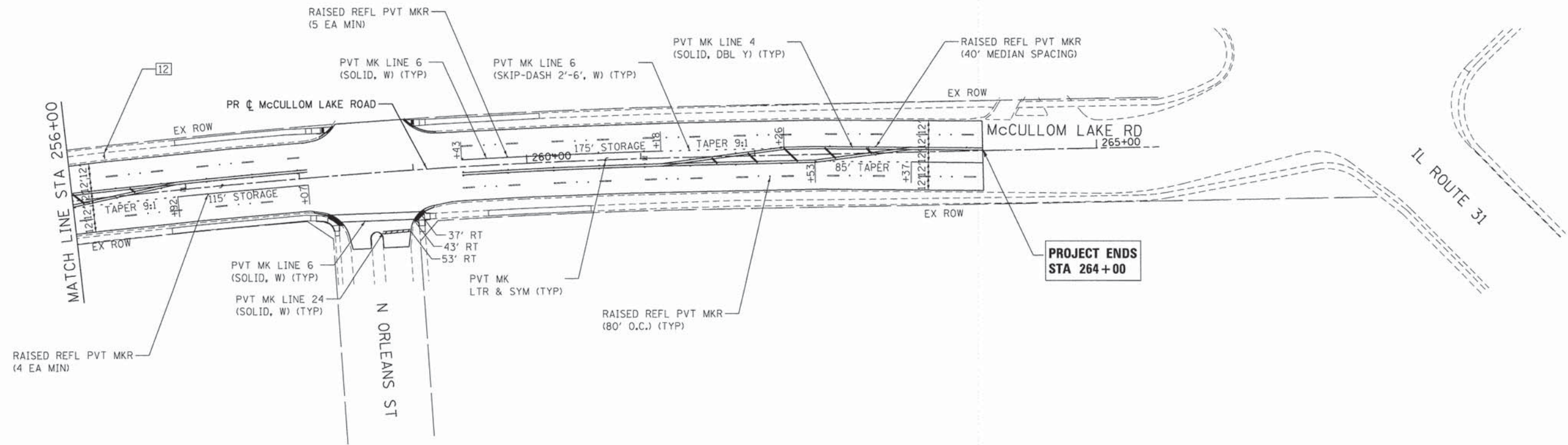
USER NAME = jhorwit	DESIGNED - JS	REVISED -
FILE NAME = 157-pmk-04.dgn	DRAWN - DMS	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - TH	REVISED -
PLOT DATE = 2/11/2015	DATE - 2/11/15	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING, SIGNING AND LANDSCAPE PLAN  
 MCCULLOM LAKE ROAD**

SCALE: 1" = 50' SHEET NO. 4 OF 6 SHEETS STA. 242+00 TO STA. 256+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4085	13-00077-00-RS	MCHENRY	81	34
CONTRACT NO. 61A29				



LANDSCAPING NOTES:  
 THE CONTRACTOR SHALL STAKE ALL TREE LOCATIONS PRIOR TO INSTALLATION AND CONTACT THE RESIDENT ENGINEER FOR APPROVAL.

ALL PLANTS SHALL BE NURSERY GROWN PLANTS MEETING AMERICAN NURSERY AND LANDSCAPE ASSOCIATION (ANLA) STANDARDS SET FORTH IN THE "AMERICAN STANDARD FOR NURSERY STOCK" (ANSI 260.1-2004).

PLANTS ARE TO BE TYPICAL IN SHAPE AND SIZE FOR SPECIES AND MATCHED IN FORM.

LEGEND :	
	SEEDING, CLASS 2A
	TREE, QUERCUS MACROCARPA (BUR OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED

PAVEMENT MARKING AND SIGNAGE NOTES:  
 SEE IDOT DISTRICT ONE DETAIL TC-13 AND CONSTRUCTION DETAILS FOR ADDITIONAL PAVEMENT MARKING AND MARKER DETAILS.

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

ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC AND RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED PER THE CONSTRUCTION DETAILS AND DISTRICT 1 DETAIL (TC-11).

COMPANY NAME: HRGreen  
 PROJECT CONTACT: jhorwit  
 DATE PLOTTED: 2/11/2015 4:40:40 PM  
 FILE NAME: 157-pmk-05.dgn  
 PLOT SCALE: 1" = 50'  
 PEN TABLE: standard-trans-screen-topa.tbl

 HRGreen.com Illinois Professional Design Firm # 184-001322	USER NAME = jhorwit	DESIGNED - JS	REVISED -
	FILE NAME = 157-pmk-05.dgn	DRAWN - DMS	REVISED -
	PLOT SCALE = 1" = 50'	CHECKED - TH	REVISED -
	PLOT DATE = 2/11/2015	DATE - 2/11/15	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>PAVEMENT MARKING, SIGNING AND LANDSCAPE PLAN</b> <b>MCCULLOM LAKE ROAD</b>			
SCALE: 1" = 50'	SHEET NO. 5 OF 6 SHEETS	STA. 256+00 TO STA. 264+00	F.A.U. RTE. 4085

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
13-00077-00-RS	MCHENRY	81	35
CONTRACT NO. 61A29		ILLINOIS FED. AID PROJECT	



01  
R1-1  
30" X 30"



02  
W11-1  
30" X 30"



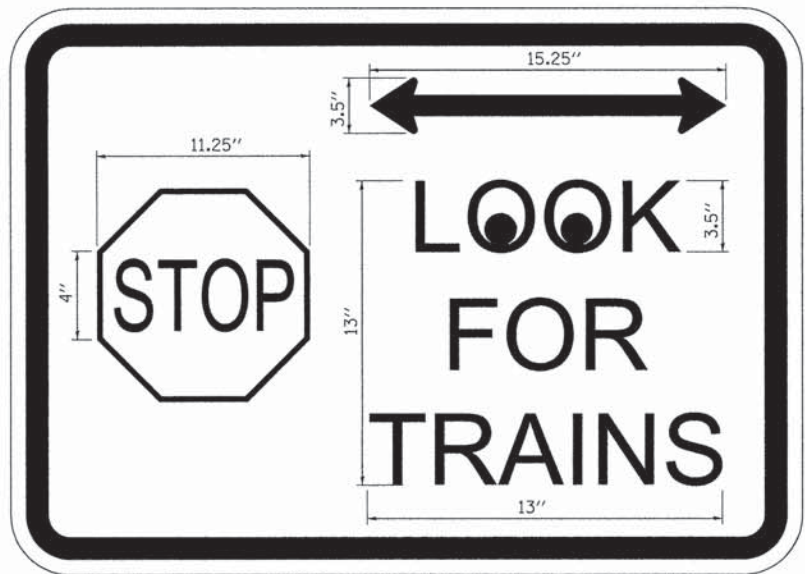
03  
R2-1  
24" X 30"



04  
R4-1  
24" X 30"



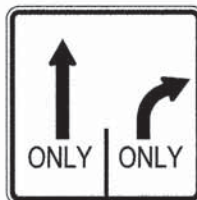
05  
W11-7  
30" X 30"



06  
CUSTOM  
24" X 30"



07  
W10-1  
36" D



OR

08  
R3-8  
30" X 30"



09  
D11-1  
24" X 18"



10  
M6-4  
12" X 9"



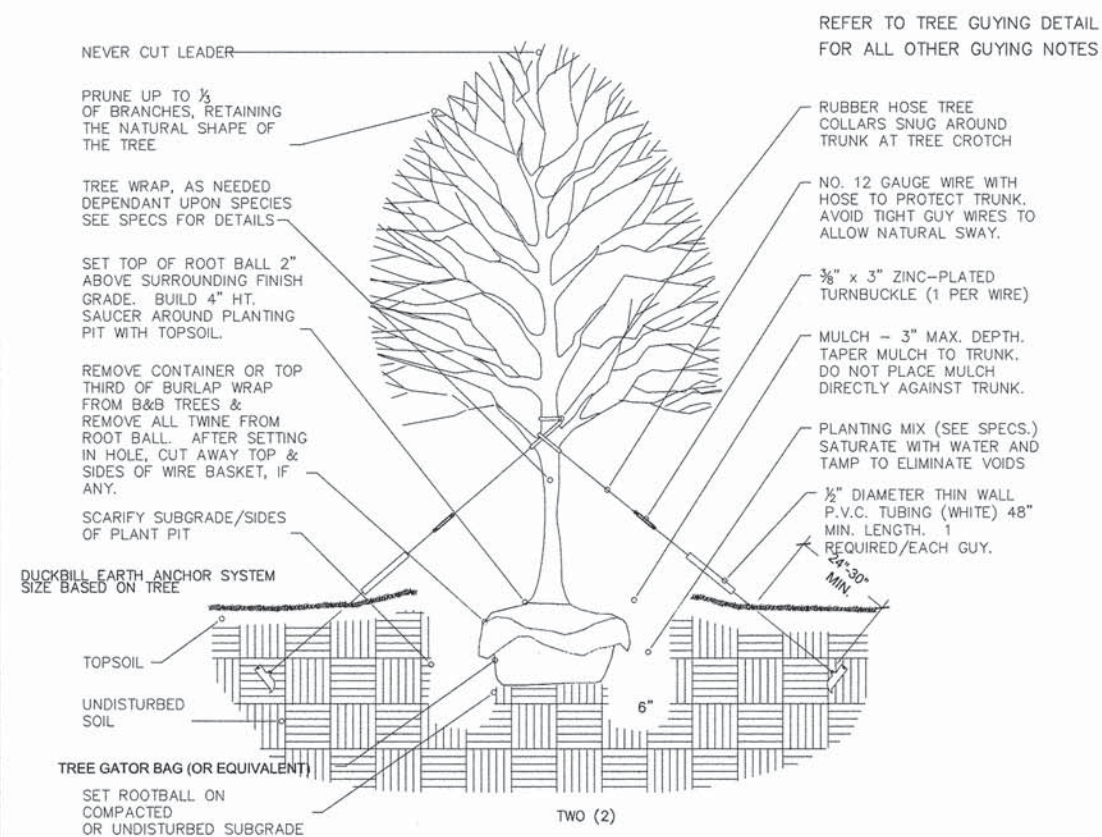
11  
W16-9P  
24" X 12"



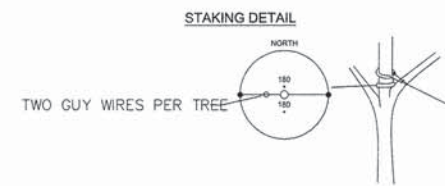
12  
W4-2  
36" X 36"



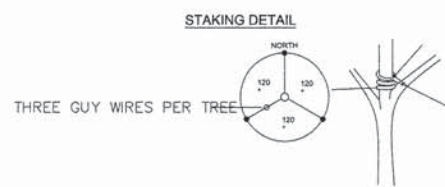
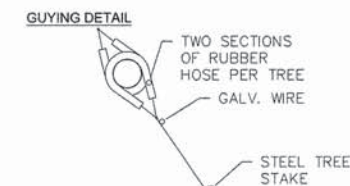
13  
W11-2  
30" X 30"



○ TREE PLANTING DETAIL  
NOT TO SCALE



\*APPLIES TO SINGLE TRUNK DECIDUOUS TREES 3" CAL. AND LESS & EVERGREEN TREES 8' HT. AND LESS & ALL MULTI-STEM TREES



\*APPLIES TO SINGLE TRUNK DECIDUOUS TREES GREATER THAN 3" CAL. & EVERGREEN TREES GREATER THAN 8' HT.



○ TREE GUYING DETAIL  
NOT TO SCALE

COMPANY NAME: HRGreen  
PROJECT CONTACT: HRGreen.com  
CLIENT: Illinois Professional Design Firm  
DATE: 2/20/2015 9:37:25 AM  
FILE NAME: 157-pmk-signleg.dgn  
PLOT DATE: 2/20/2015  
PLOT DRIVER: standard-trans-screen-topo.tbl  
PEN TABLE:



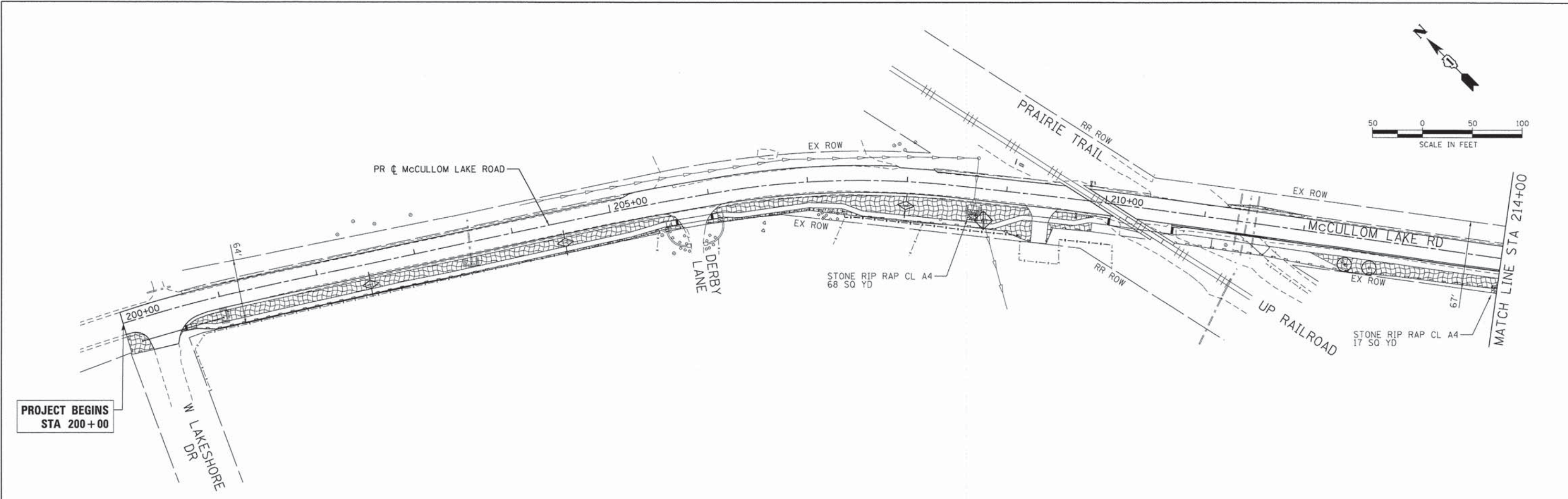
USER NAME = dstencz	DESIGNED - JS	REVISED -
FILE NAME = 157-pmk-signleg.dgn	DRAWN - DMS	REVISED -
PLOT SCALE = NTS	CHECKED - TH	REVISED -
PLOT DATE = 2/20/2015	DATE - 2/20/15	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SIGN LEGEND AND LANDSCAPING DETAILS  
MCCULLOM LAKE ROAD

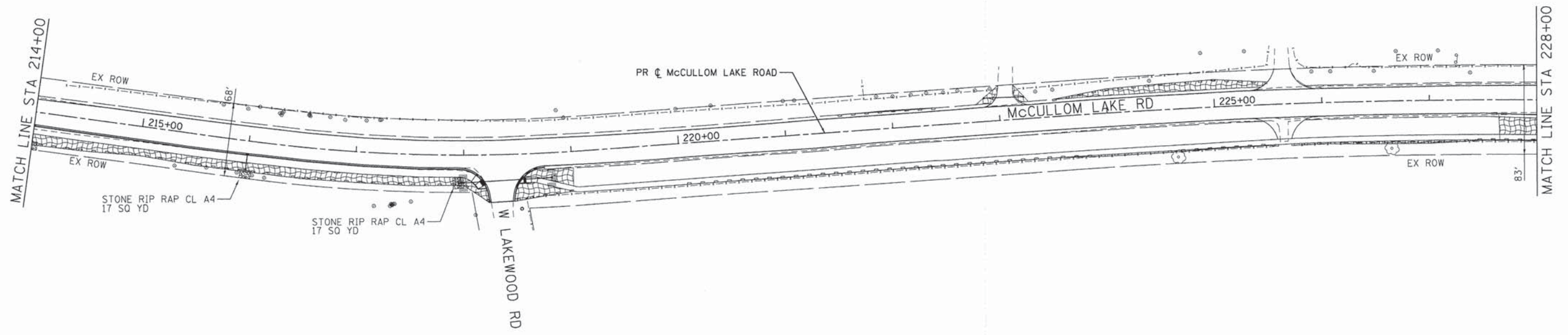
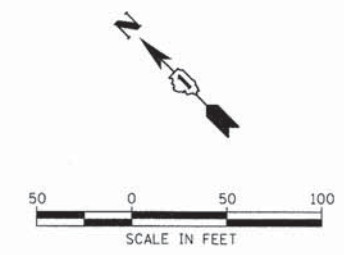
SCALE: NTS SHEET NO. 6 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4085	13-00077-00-RS	MCHENRY	81	36
CONTRACT NO.			61A29	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



PROJECT BEGINS  
STA 200+00

- LEGEND**
- TEMPORARY EROSION CONTROL SEEDING (POUND) WITH EROSION CONTROL BLANKET
  - INLET FILTERS (EA)
  - PERIMETER EROSION BARRIER (FT)
  - TEMPORARY DITCH CHECK (FT)
  - RIPRAP
  - INLET AND PIPE PROTECTION (EA)



COMPANY NAME: HRGreen  
 PROJECT CONTACT: jhorwit  
 CLIENT: 2/11/2015 4:40:49 PM  
 DATE PLOTTED: 157-ero-01.dgn  
 FILE NAME: jhorwit  
 PLOT DRIVER: standard-trans-screen-tpgs.tbl  
 PER TABLE:

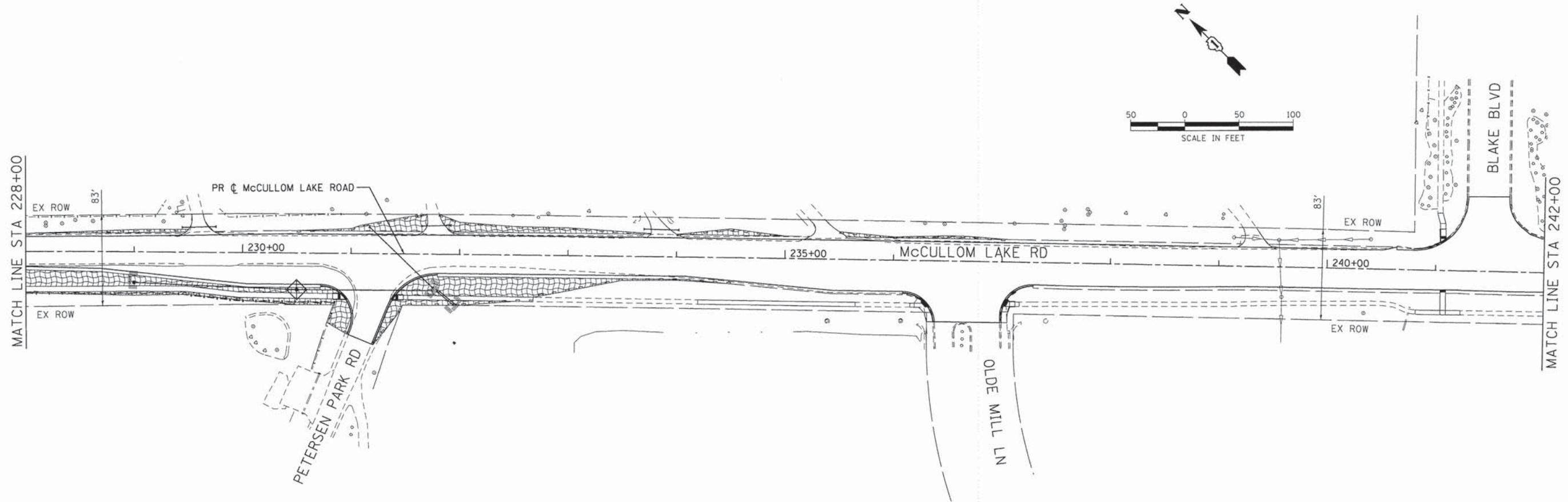
HRGreen.com  
 Illinois Professional Design Firm  
 #184-001322

USER NAME = jhorwit	DESIGNED - JS	REVISED -
FILE NAME = 157-ero-01.dgn	DRAWN - DMS	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - TH	REVISED -
PLOT DATE = 2/11/2015	DATE - 2/11/15	REVISED -

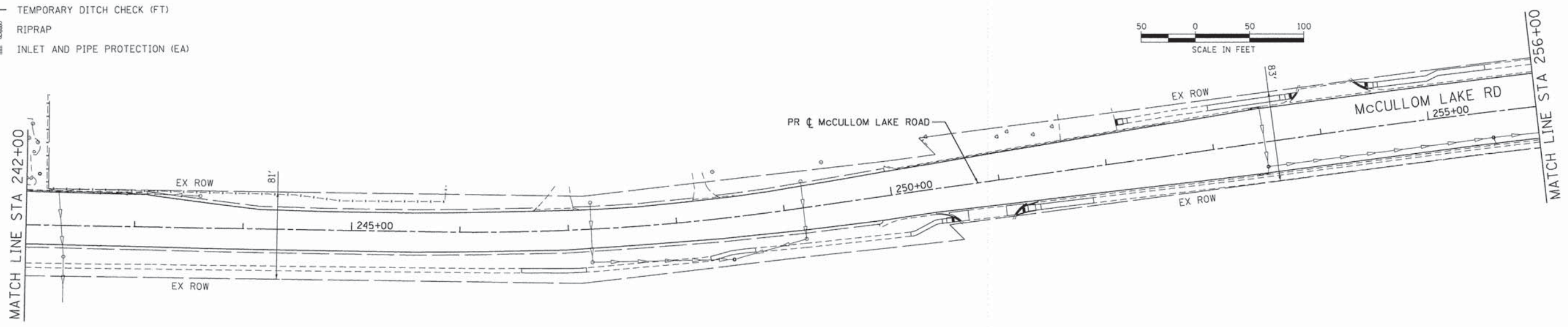
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL PLAN**  
**MCCULLOM LAKE ROAD**  
 SCALE: 1" = 50'    SHEET NO. 1 OF 3 SHEETS    STA. 200+00 TO STA. 228+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4085	13-00077-00-RS	MCHENRY	81	37
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 61A29		



- LEGEND**
- TEMPORARY EROSION CONTROL SEEDING (POUND) WITH EROSION CONTROL BLANKET
  - INLET FILTERS (EA)
  - PERIMETER EROSION BARRIER (FT)
  - TEMPORARY DITCH CHECK (FT)
  - RIPRAP
  - INLET AND PIPE PROTECTION (EA)



COMPANY NAME: HRGreen.com  
 PROJECT CONTACT: Illinois Professional Design Firm #164-001922  
 CLIENT: 2/11/2015 4:40:54 PM  
 DATE PLOTTED: 157-ero-02.dgn  
 FILE NAME: pef.dwg  
 PLOT DRIVER: s:\randor-dr-fransis-ecr\ero-02.dgn.tbl  
 PEN TABLE:

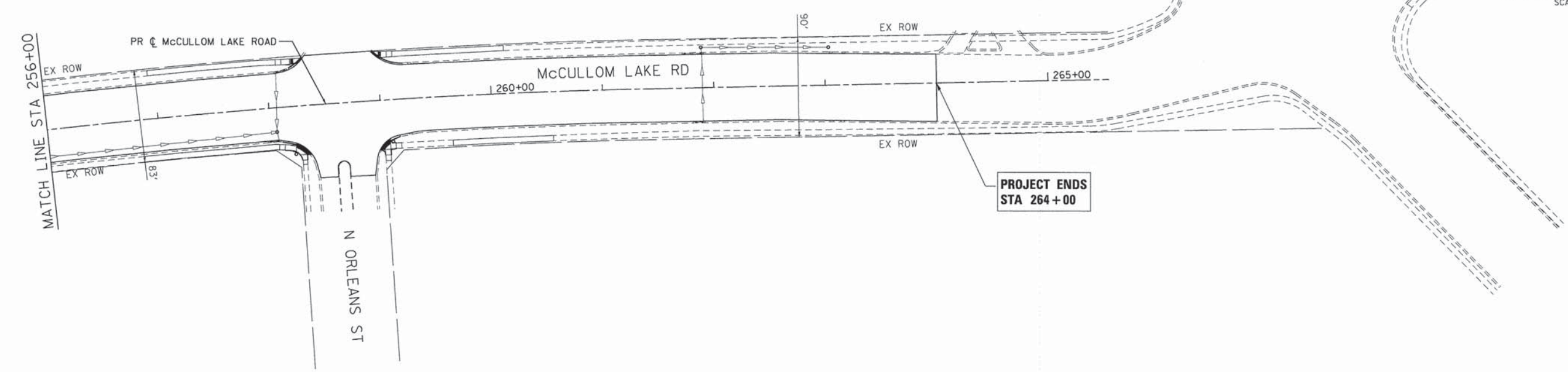
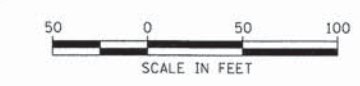


USER NAME = jhorwit	DESIGNED - JS	REVISED -
FILE NAME = 157-ero-02.dgn	DRAWN - DMS	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - TH	REVISED -
PLOT DATE = 2/11/2015	DATE - 2/11/15	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>EROSION CONTROL PLAN</b> <b>MCCULLOM LAKE ROAD</b>		
SCALE: 1" = 50'	SHEET NO. 2 OF 3 SHEETS	STA. 228+00 TO STA. 256+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4085	13-00077-00-RS	MCHENRY	81	38
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61A29	



**LEGEND**

- TEMPORARY EROSION CONTROL SEEDING (POUND) WITH EROSION CONTROL BLANKET
- INLET FILTERS (EA)
- PERIMETER EROSION BARRIER (FT)
- TEMPORARY DITCH CHECK (FT)
- RIPRAP
- INLET AND PIPE PROTECTION (EA)

**EROSION CONTROL GENERAL NOTES**

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE MCHENRY COUNTY AND THE CITY OF MCHENRY STORMWATER ORDINANCES. ALL CONSTRUCTION ACTIVITIES WILL BE IN ACCORDANCE WITH THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM STORM WATER PERMIT ILR40. THE CONTRACTOR SHALL ALSO UTILIZE THE STANDARDS AND SPECIFICATIONS IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL.
2. EROSION CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH THE SEQUENCE OF STAGE CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT A DETAILED SCHEDULE FOR APPROVAL.
3. SEDIMENT AND EROSION CONTROL DEVICES SHALL BE FUNCTIONAL BEFORE THE PROJECT SITE IS OTHERWISE DISTURBED.
4. ALL DISTURBED AREAS SHALL BE SEEDED OR SODDED AS SOON AS PRACTICAL AFTER CONSTRUCTION ACTIVITIES IN THAT AREA HAVE CONCLUDED. THE SURFACE OF STRIPPED AREAS SHALL BE PERMANENTLY OR TEMPORARILY PROTECTED FROM SOIL EROSION WITHIN 14 DAYS AFTER FINAL GRADE IS REACHED. STRIPPED AREAS THAT WILL REMAIN UNDISTURBED FOR MORE THAN 15 DAYS AFTER INITIAL DISTURBANCE SHALL BE PROTECTED FROM EROSION. TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES SHALL BE MAINTAINED CONTINUOUSLY UNTIL PERMANENT COVER IS ESTABLISHED.
5. IF A TOPSOIL STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN 3 DAYS, EROSION CONTROL MEASURES WILL BE PROVIDED. SOIL STOCKPILES MUST NOT BE LOCATED WITHIN ANY SPECIAL MANAGEMENT AREAS. SPECIAL MANAGEMENT AREAS INCLUDE JURISDICTIONAL WETLANDS AND ADJACENT OFF-SITE WETLANDS.

**EROSION CONTROL GENERAL NOTES (CONT.)**

6. WATER PUMPED OR OTHERWISE DISCHARGED FROM THE SITE DURING CONSTRUCTION DEWATERING SHALL BE FILTERED.
7. WHEN TEMPORARY DRAINAGE IS ESTABLISHED, EROSION CONTROL MEASURES MAY BE REQUIRED BY THE ENGINEER.
8. GRAVEL ROADS, ACCESS DRIVES, PARKING AREAS OF SUFFICIENT WIDTH AND LENGTH, AND VEHICLE WASH DOWN FACILITIES IF NECESSARY, SHALL BE PROVIDED TO PREVENT SOIL FROM BEING TRACKED ONTO PUBLIC OR PRIVATE ROADWAYS. ANY SOIL REACHING A PUBLIC OR PRIVATE ROADWAY SHALL BE REMOVED BEFORE THE END OF EACH WORKDAY AND AS NEEDED.
9. CLEANING OF VEHICLES AND EQUIPMENT, INCLUDING CONCRETE MIXERS, SHALL BE PERFORMED IN A MANNER TO REDUCE THE AMOUNT OF POLLUTANTS TRIBUTARY TO STORM SEWERS AND OPEN WATERS TO THE MAXIMUM EXTENT PRACTICAL.
10. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR POLLUTION RUNOFF. LEAKING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.
11. SEDIMENT COLLECTED DURING CONSTRUCTION BY THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON THE SITE ON A REGULAR BASIS. SEDIMENT SHALL BE REMOVED FROM EROSION CONTROL SYSTEMS WHEN THE HEIGHT OF THE SEDIMENT EXCEEDS ONE-HALF OF THE HEIGHT OF THE FILTER DEVICE.

**EROSION CONTROL GENERAL NOTES (CONT.)**

12. THE ENGINEER SHALL INSPECT EROSION CONTROL MEASURES WEEKLY AND WITHIN 24 HOURS OF ANY STORM EXCEEDING 1/2 INCH PRECIPITATION. DAMAGED AND INEFFECTIVE EROSION CONTROL MEASURES SHALL BE REPAIRED OR REPLACED WITHIN 72 HOURS. EROSION CONTROL SYSTEMS REPLACED DUE TO SEDIMENT LOADING WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE APPLICABLE EROSION CONTROL ITEM.
13. ALL SEDIMENT AND EROSION CONTROL MEASURES WILL BE PAID FOR IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS, EXCEPT WHERE OTHERWISE NOTED IN THE CONTRACT SPECIAL PROVISIONS.
14. THE COST OF REPAIRING OR REMOVING SEDIMENT FROM EROSION CONTROL SYSTEMS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE APPLICABLE EROSION CONTROL ITEM.
15. ALL EROSION CONTROL MEASURES SHALL BE KEPT OPERATIONAL AND MAINTAINED CONTINUOUSLY THROUGHOUT THE PERIOD OF LAND DISTURBANCE UNTIL PERMANENT SEDIMENT AND EROSION CONTROL MEASURES ARE OPERATIONAL.
16. TREES TO BE PROTECTED DURING CONSTRUCTION SHOULD BE IDENTIFIED BY THE ENGINEER AND BE IN ACCORDANCE TO THE DETAILS PROVIDED IN THE PLANS, AND SHALL BE PAID FOR AS TEMPORARY FENCE.

COMPANY NAME: HRGreen  
 PROJECT CONTACT: HRGreen.com  
 CLIENT: Illinois Professional Design Firm  
 DATE PLOTTED: 2/11/2015 4:46:58 PM  
 PLOT DRIVER: hrp-plot.dgn  
 PEN TABLE: standard-fonts-screen-100ns.tbl



USER NAME = jhorwit	DESIGNED - JS	REVISED -
FILE NAME = 157-aro-03.dgn	DRAWN - DMS	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - TH	REVISED -
PLOT DATE = 2/11/2015	DATE - 2/11/15	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL PLAN  
 MCCULLOM LAKE ROAD**

SCALE: 1" = 50' SHEET NO. 3 OF 3 SHEETS STA. 256+00 TO STA. 264+00

F.A.U. RTE. 4085	SECTION 13-00077-00-RS	COUNTY MCHENRY	TOTAL SHEETS 81	SHEET NO. 39
CONTRACT NO. 61A29				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

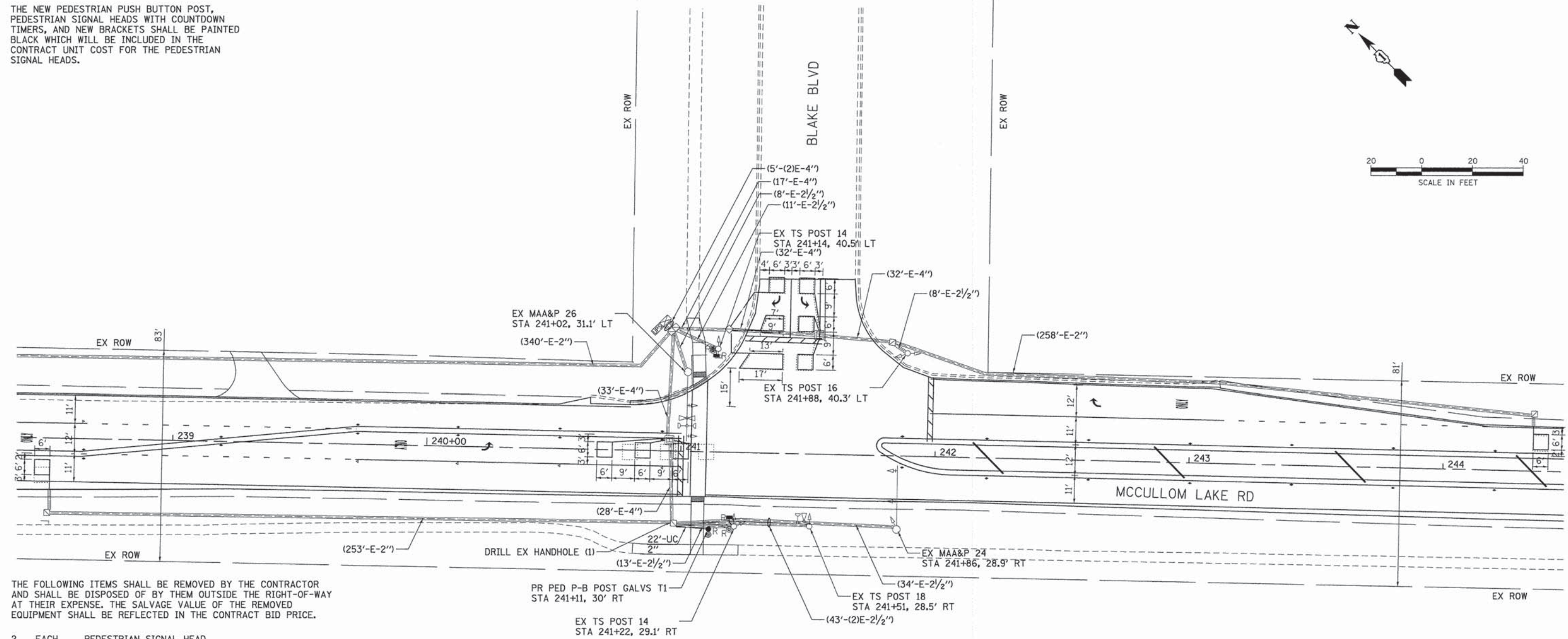
**RESTORATION OF WORK AREA**

RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAYS SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD AND ALL DAMAGE TO UNMOWED LAWNS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

**NOTE**

THE NEW PEDESTRIAN PUSH BUTTON POST, PEDESTRIAN SIGNAL HEADS WITH COUNTDOWN TIMERS, AND NEW BRACKETS SHALL BE PAINTED BLACK WHICH WILL BE INCLUDED IN THE CONTRACT UNIT COST FOR THE PEDESTRIAN SIGNAL HEADS.

1. ALL NEW TRAFFIC SIGNAL EQUIPMENT SHALL ARRIVE AT THE PROJECT SITE WITH A BLACK FACTORY FINISH IN ACCORDANCE WITH THE SPECIFICATIONS.
2. THE CONCRETE APRON AND EARTH EXCAVATION REQUIRED AT THE CONTROLLER WILL BE INCLUDED IN THE COST FOR UNINTERRUPTIBLE POWER SUPPLY SPECIAL.



THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 2 EACH PEDESTRIAN SIGNAL HEAD
- 2 EACH PEDESTRIAN PUSH BUTTON

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE PAINTED IN PLACE IN ACCORDANCE WITH SECTION 851 OF THE STANDARD SPECIFICATIONS, EXCEPT THAT THE STEEL MAST ARM ASSEMBLIES AND POLES, SIGNAL POSTS, SIGNAL HOUSINGS, AND BRACKETS SHALL BE PAINTED WITH TWO COATS OF 'BLACK' PAINT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TRAFFIC CONTROL DURING PAINTING OPERATIONS, WHICH SHALL BE CONSIDERED AS INCLUDED IN THE PAINTING PAY ITEMS.

- 2 EACH STEEL MAST ARM ASSEMBLY AND POLE, UNDER 40 FEET
- 4 EACH TRAFFIC SIGNAL POST
- 12 EACH SIGNAL HEADS (DOORS, VISORS, HOUSINGS & BRACKETS)
- 4 EACH SIGNAL BACKPLATES

COMPANY NAME: HRGreen  
 PROJECT CONTACT: HRGreen.com  
 DATE PLOTTED: 2/20/2015 9:17:23 AM  
 FILE NAME: 157-sig-01.dgn  
 PLOT DRIVER: pdr4pl  
 PLOT TABLE: standard-trns-stdwin-fps.tbl

HRGreen.com  
 Illinois Professional Design Firm  
 # 184-001322

USER NAME = dstencz	DESIGNED - JS	REVISED -
FILE NAME = 157-sig-01.dgn	DRAWN - DMS	REVISED -
PLOT SCALE = 1"=20'	CHECKED - TH	REVISED -
PLOT DATE = 2/20/2015	DATE - 2/20/15	REVISED -

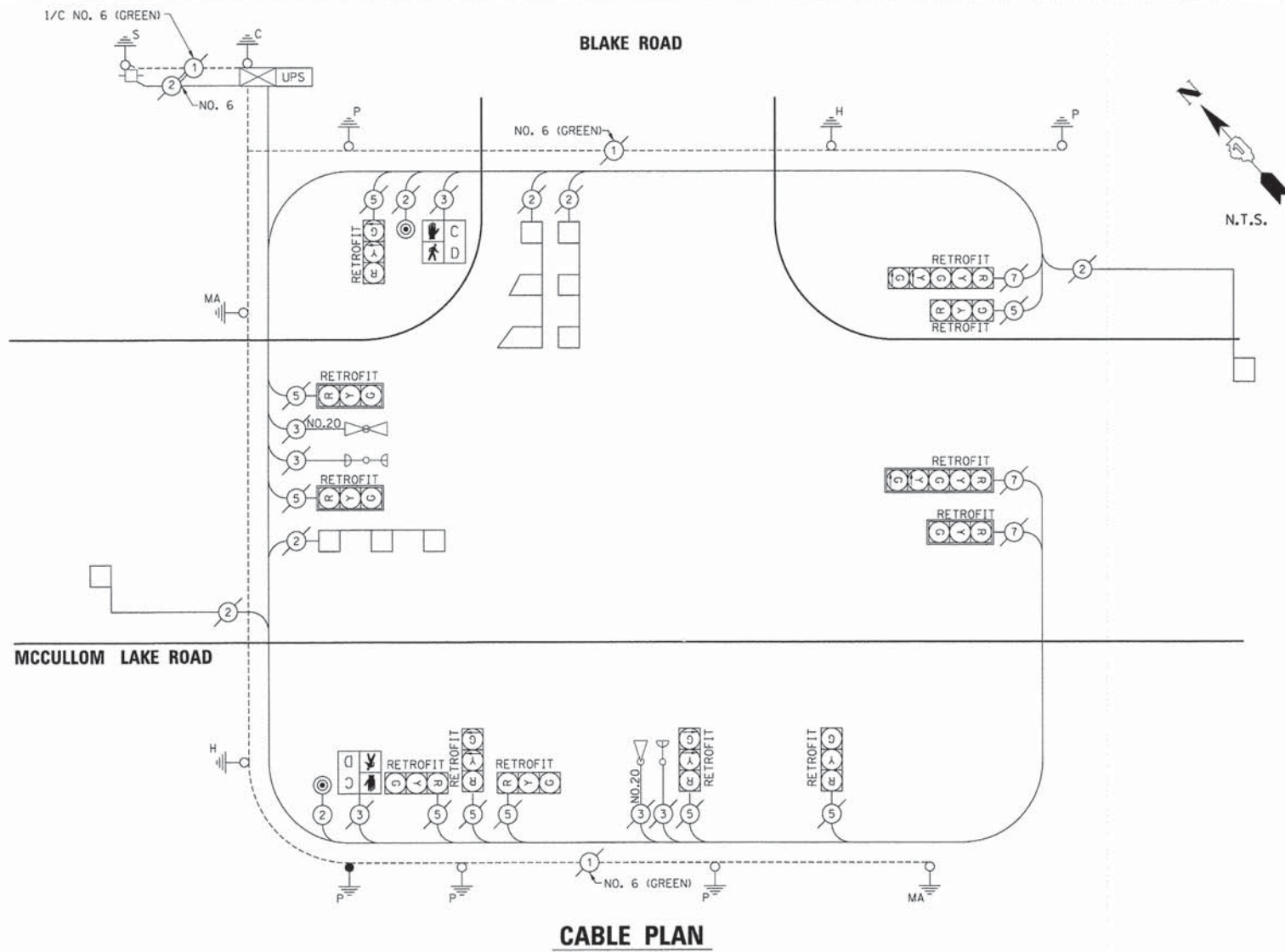
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL INSTALLATION PLAN  
MCCULLOM LAKE ROAD AT BLAKE BOULEVARD**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4085	13-00077-00-RS	MCHENRY	81	40
CONTRACT NO. 61A29				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				





**SCHEDULE OF QUANTITIES**

PAINT EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	152
PEDESTRIAN PUSH-BUTTON POST, GALVANIZED STEEL, TYPE I	EACH	1
DRILL EXISTING HANDHOLE	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
DETECTOR LOOP REPLACEMENT	FOOT	375
PEDESTRIAN PUSH-BUTTON	EACH	2
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	105
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
HEAVY-DUTY HANDHOLE TO BE ADJUSTED	EACH	2
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED, RETROFIT	EACH	1
SIGNAL HEAD, LED, 3-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT	EACH	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT	EACH	3
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED, RETROFIT	EACH	3
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED, RETROFIT	EACH	1

**CABLE PLAN**

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					
TYPE	NO. LAMPS	WATTAGE		% OPERATION	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	12		17	0.50	102.00
(YELLOW)	9		25	0.25	56.25
(GREEN)	9		15	0.25	33.75
ARROW (YELLOW)	5		12	0.10	6.00
(GREEN)	5		12	0.10	6.00
PED. SIGNAL	2		25	1.00	50.00
CONTROLLER	1		100	1.00	100.00
UPS	1		25	1.00	25.00
				<b>TOTAL =</b>	<b>379.00</b>

ENERGY COSTS TO: CITY OF MCHENRY  
333 S. GREEN STREET  
MCHENRY, IL 60050

ENERGY SUPPLY CONTACT: NORA FERNANDEZ  
PHONE: (815) 490-2335  
COMPANY: COMED

**CONTROLLER SEQUENCE**



**PHASE DESIGNATION DIAGRAM**

**CONTROLLER SEQUENCE LEGEND**

- ← ⊙ → DUAL ENTRY PHASE
- ⬆ ⊙ ⬆ OVERLAP
- ← ⊙ → PEDESTRIAN PHASE

\* NUMBER REFERRING TO ASSOCIATED PHASE

**EMERGENCY VEHICLE PREEMPTION SEQUENCE**

PROPOSED EMERGENCY VEHICLE PREEMPTORS

PROPOSED EMERGENCY VEHICLE PREEMPTORS	3	4
MOVEMENT	← →	↓

COMPANY NAME: HRGreen  
 PROJECT CONTACT: HRGreen.com  
 CLIENT: City of Mchenry  
 DATE PLOTTED: 2/11/2015 4:40:06 PM  
 FILE NAME: 157-sig-02.dgn  
 PLOT DRIVER: pdfplot  
 PEN TABLE:



USER NAME = jhorwit	DESIGNED - JS	REVISED -
FILE NAME = 157-sig-02.dgn	DRAWN - DMS	REVISED -
PLOT SCALE = NTS	CHECKED - TH	REVISED -
PLOT DATE = 2/11/2015	DATE - 2/11/15	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CABLE AND PHASE DESIGNATION DIAGRAM  
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE**

SCALE: NTS SHEET NO. 3 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4085	13-00077-00-RS	MCHENRY	81	41
CONTRACT NO. 61A29			ILLINOIS FED. AID PROJECT	

# TRAFFIC SIGNAL LEGEND

ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED
CONTROLLER CABINET				EMERGENCY VEHICLE LIGHT DETECTOR				ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1/C, UNLESS NOTED OTHERWISE			
RAILROAD CONTROL CABINET				CONFIRMATION BEACON				COAXIAL CABLE			
COMMUNICATIONS CABINET				HANDHOLE				VENDOR CABLE FOR CAMERA			
MASTER CONTROLLER				HEAVY DUTY HANDHOLE				COPPER INTERCONNECT CABLE, NO. 18 3 PAIR TWISTED, SHIELDED			
MASTER MASTER CONTROLLER				DOUBLE HANDHOLE				FIBER OPTIC CABLE NO. 62.5/125, MM12F			
UNINTERRUPTABLE POWER SUPPLY				JUNCTION BOX				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM12F			
SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT				UNDERGROUND CONDUIT, GALVANIZED STEEL (UC)				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM24F			
TELEPHONE CONNECTION (P) POLE OR (G) GROUND MOUNT				TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE				GROUND ROD AT (C) CONTROLLER, (H) HANDHOLE, (P) POST, (M) MAST ARM, OR (S) SERVICE			
STEEL MAST ARM ASSEMBLY AND POLE				COMMON TRENCH				CONTROLLER CABINET AND FOUNDATION TO BE REMOVED			
ALUMINUM MAST ARM ASSEMBLY AND POLE				COILABLE NONMETALLIC CONDUIT (EMPTY)				STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE				SYSTEM ITEM				ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH PTZ CAMERA				INTERSECTION ITEM				STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE AND FOUNDATION TO BE REMOVED			
SIGNAL POST				REMOVE ITEM				SIGNAL POST AND FOUNDATION TO BE REMOVED			
TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MINIMUM				RELOCATE ITEM				INTERSECTION & SAMPLING (SYSTEM) DETECTOR			
GUY WIRE				ABANDON ITEM				SAMPLING (SYSTEM) DETECTOR			
SIGNAL HEAD				12" (300mm) TRAFFIC SIGNAL SECTION				QUEUE DETECTOR			
SIGNAL HEAD CONSTRUCTION STAGES (NUMBERS INDICATE THE CONSTRUCTION STAGE)				12" (300mm) RED WITH 8" (200mm) YELLOW AND GREEN TRAFFIC SIGNAL FACE				PREFORMED QUEUE DETECTOR			
SIGNAL HEAD WITH BACKPLATE				SIGNAL FACE				PREFORMED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR			
SIGNAL HEAD OPTICALLY PROGRAMMED				SIGNAL FACE WITH BACKPLATE, "P" INDICATES PROGRAMMED HEAD				PREFORMED SAMPLING (SYSTEM) DETECTOR			
FLASHER INSTALLATION (S DENOTES SOLAR POWER)				"RB" INDICATES REFLECTIVE BACKPLATE							
PEDESTRIAN SIGNAL HEAD				12" (300mm) PEDESTRIAN SIGNAL HEAD WALK/DON'T WALK SYMBOL							
PEDESTRIAN PUSHBUTTON DETECTOR				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, OUTLINED							
ACCESSIBLE PEDESTRIAN PUSHBUTTON DETECTOR				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, SOLID							
ILLUMINATED SIGN "NO LEFT TURN"				PEDESTRIAN SIGNAL HEAD, INTERNATIONAL SYMBOL, WITH COUNTDOWN TIMER							
ILLUMINATED SIGN "NO RIGHT TURN"				RADIO INTERCONNECT							
DETECTOR LOOP, TYPE I				RADIO REPEATER							
PREFORMED DETECTOR LOOP				DENOTES NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE, ALL DETECTOR LOOP CABLE TO BE SHIELDED							
MICROWAVE VEHICLE SENSOR				GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)							
VIDEO DETECTION CAMERA											
VIDEO DETECTION ZONE											
PAN, TILT, ZOOM CAMERA											
WIRELESS DETECTOR SENSOR											
WIRELESS ACCESS POINT											

## RAILROAD SYMBOLS

	EXISTING	PROPOSED
RAILROAD CONTROL CABINET		
RAILROAD CANTILEVER MAST ARM		
FLASHING SIGNAL		
CROSSING GATE		
CROSSBUCK		

COMPANY NAME: MCHENRY  
 PROJECT CONTACT: 13-00077-00-RS  
 CLIENT: 13-00077-00-RS  
 DATE PLOTTED: 2/11/2015 4:41:11 PM  
 FILE NAME: I57-sig-de10L.dgn  
 PLOT DRIVER: pdf.plt  
 PEN TABLE: s:\standard-fonts\scr\pen.tbl

FILE NAME =	USER NAME = footemj	DESIGNED = DAG/BCK	REVISED = DAG 1-1-14
ea:\p_w\k\psdot\footemj\d0108315\ts05.dgn		DRAWN = BCK	REVISED =
	PLOT SCALE = 50.0000' / 1"	CHECKED = DAD	REVISED =
	PLOT DATE = 1/13/2014	DATE = 10-28-09	REVISED =

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

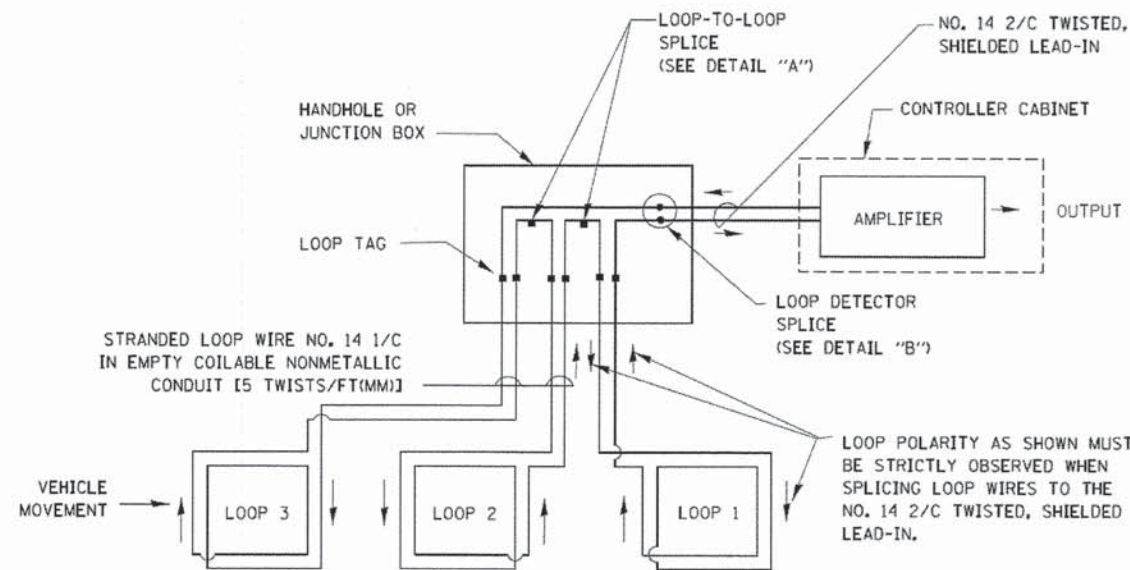
**DISTRICT ONE**  
**STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE    SHEET NO. 1 OF 7 SHEETS    STA.    TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4085	13-00077-00-RS	MCHENRY	81	42
<b>TS-05</b>		CONTRACT NO.	61A29	
FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT				

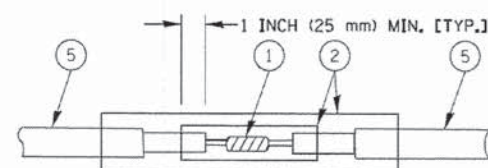
**LOOP DETECTOR NOTES**

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

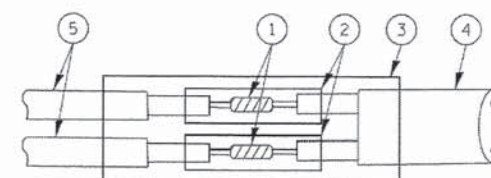


**DETECTOR LOOP WIRING SCHEMATIC**

- LOOPS SHALL BE SPLICED IN SERIES.
- SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.



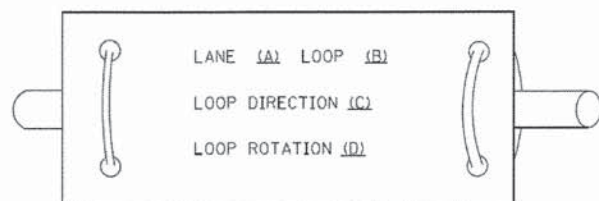
DETAIL "A"  
LOOP-TO-LOOP SPLICE



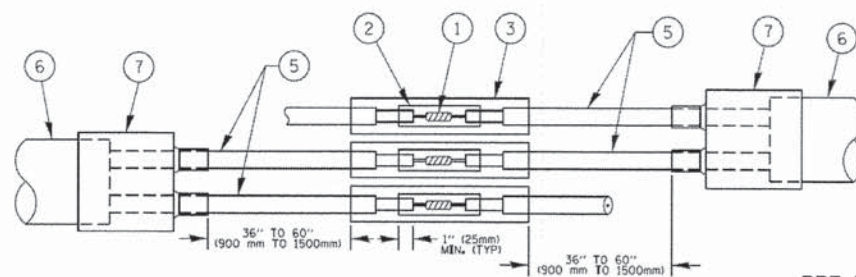
DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**TYPE I LOOP**

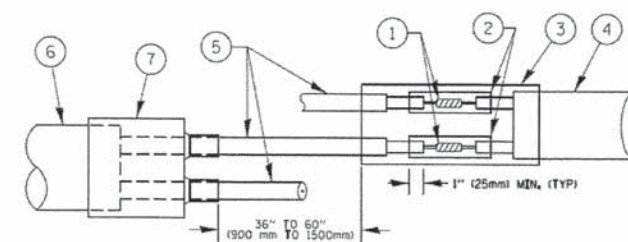
**LOOP LEAD-IN CABLE TAG**



- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.



DETAIL "A"  
LOOP-TO-LOOP SPLICE



DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**PRE-FORMED LOOP**

**LOOP DETECTOR SPLICE**

- 1 WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- 2 WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- 3 WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- 4 NO. 14 2/C TWISTED, SHIELDED CABLE.
- 5 LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.
- 6 PRE-FORMED LOOP
- 7 XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

COMPANY NAME: MCHENRY  
 PROJECT CONTACT: 13-00077-00-RS  
 DATE PLOTTED: 2/11/2015 4:43:08 PM  
 FILE NAME: 13-00077-00-RS.dwg  
 PLOT DATE: 1/13/2014  
 PLOT SCALE: 50.0000 X 1.0000  
 PLOT DATE: 1/13/2014

FILE NAME =	USER NAME = foatemj	DESIGNED - DAD	REVISED - DAG 1-1-14
ca:\pwork\pwork\foatemj\08188315\ts05.dwg		DRAWN - BCK	REVISED -
		CHECKED - DAD	REVISED -
		DATE - 10-28-09	REVISED -

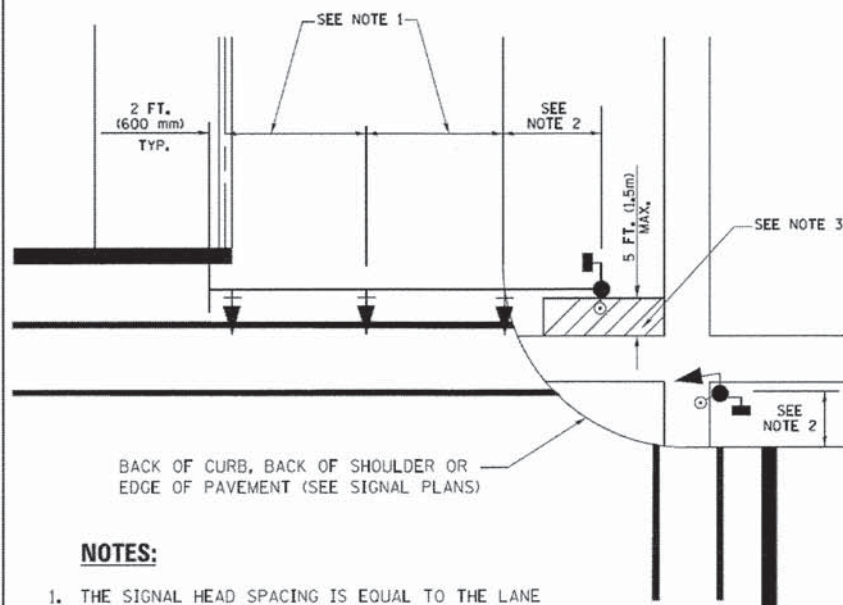
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS</b>			
SCALE: NONE	SHEET NO. 2 OF 7 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4085	13-00077-00-RS	MCHENRY	81	43
CONTRACT NO. 61A29				

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

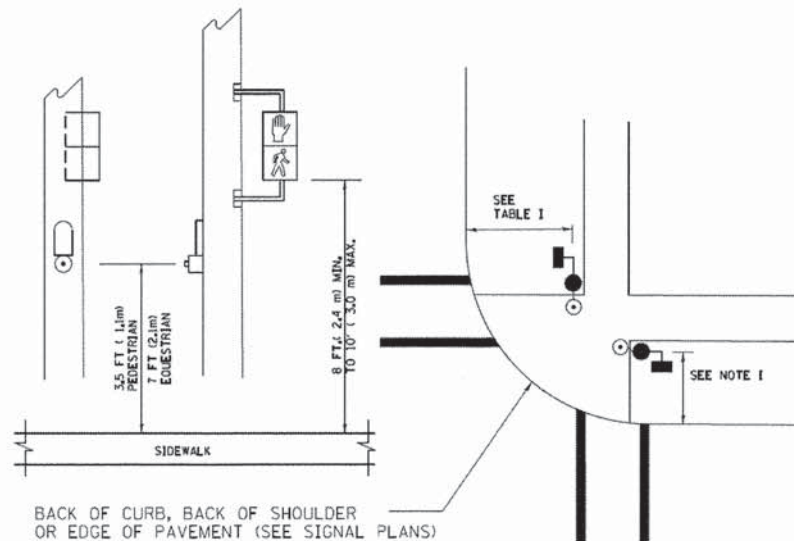
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST  
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR  
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN  
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.**



**NOTES:**

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

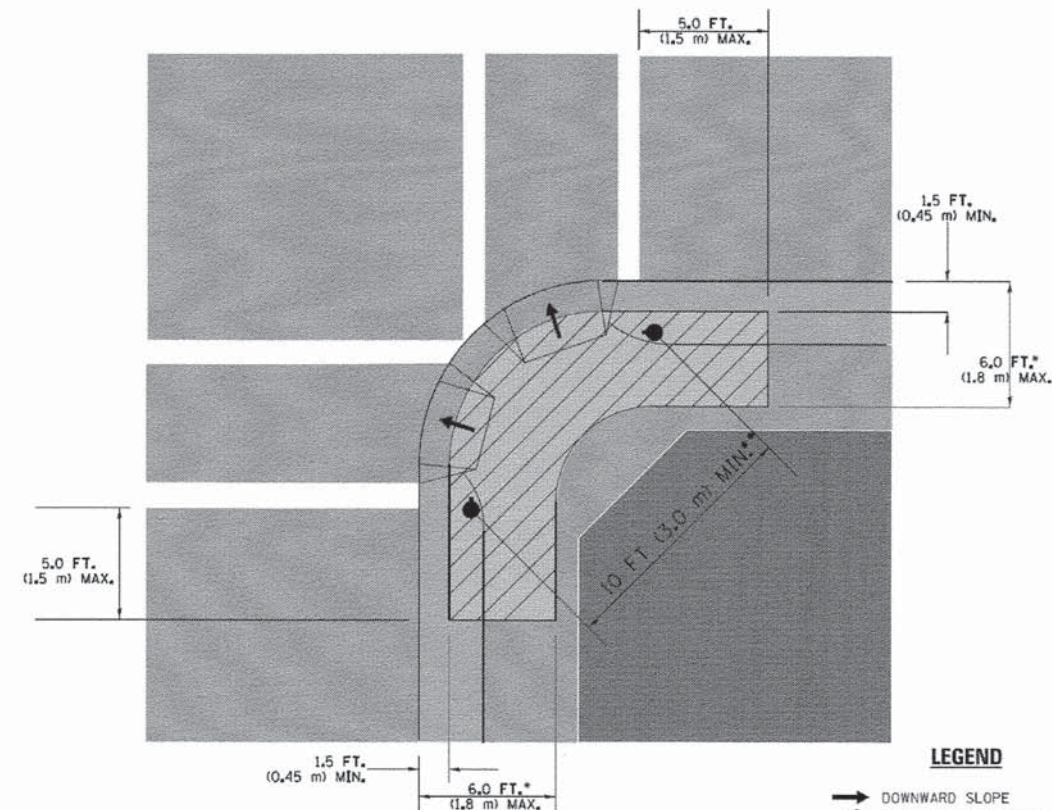
**PEDESTRIAN SIGNAL POST  
AND  
PEDESTRIAN PUSH BUTTON POST**



**NOTES:**

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

**RECOMMENDED PUSHBUTTON LOCATIONS**



**LEGEND**

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- RECOMMENDED PUSHBUTTON LOCATIONS

- WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT ( 1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
- WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPARATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

**NOTES:**

1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

**TRAFFIC SIGNAL EQUIPMENT OFFSET**

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

**NOTES:**

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TO THE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD AFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

COMPANY NAME:   
 PROJECT CONTACT:   
 DATE PLOTTED: 2/11/2015 4:44:41 PM   
 FILE NAME: 157-960-06103.dgn   
 PLOT DRIVER: pdf.plt   
 PEN TABLE: standard-trans-screen-topco.tbl

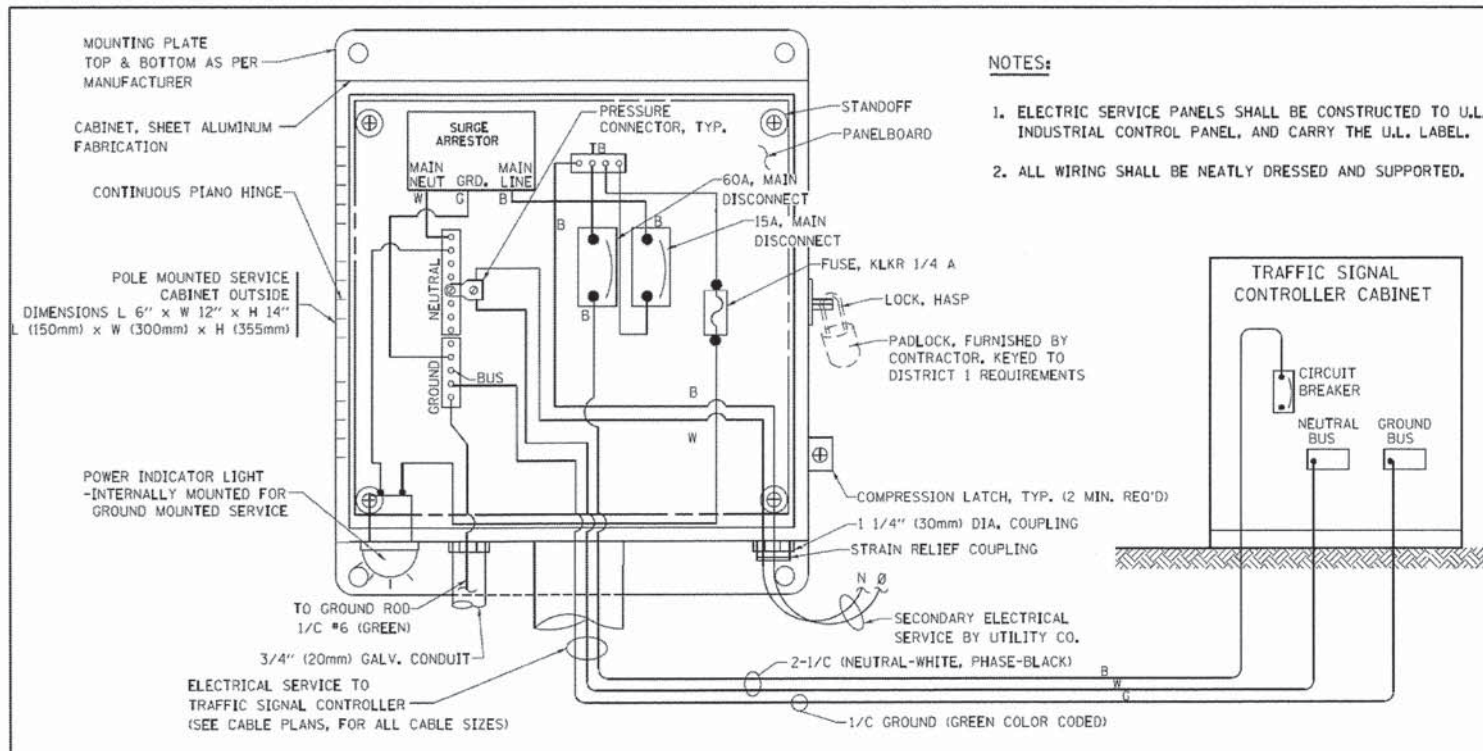
FILE NAME =	USER NAME = ffootenj	DESIGNED - DAD	REVISED - DAG 1-1-14
es:\pwork\peddot\footenj\cd8188315\ss05.dgn		DRAWN - BCK	REVISED -
	PLOT SCALE = 50.0000 1/16"	CHECKED - DAD	REVISED -
	PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

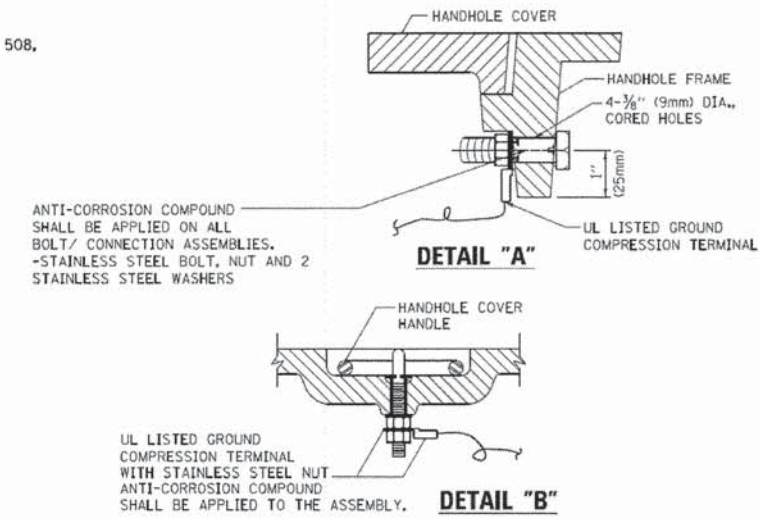
**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET NO. 3 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4085	13-00077-00-RS	MCHENRY	81	44
TS-05		CONTRACT NO. 61A29		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

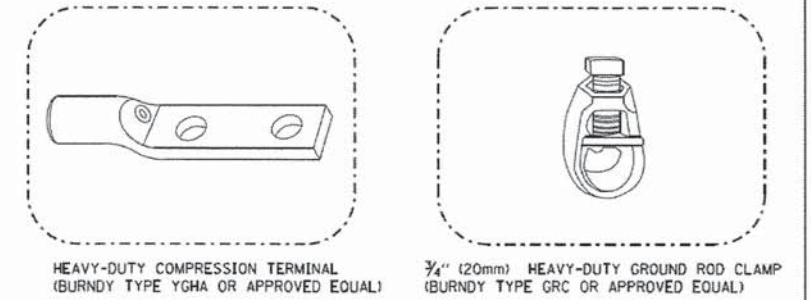


**ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE) SERVICE INSTALLATION POLE MOUNT (SHOWN) (NOT TO SCALE)**



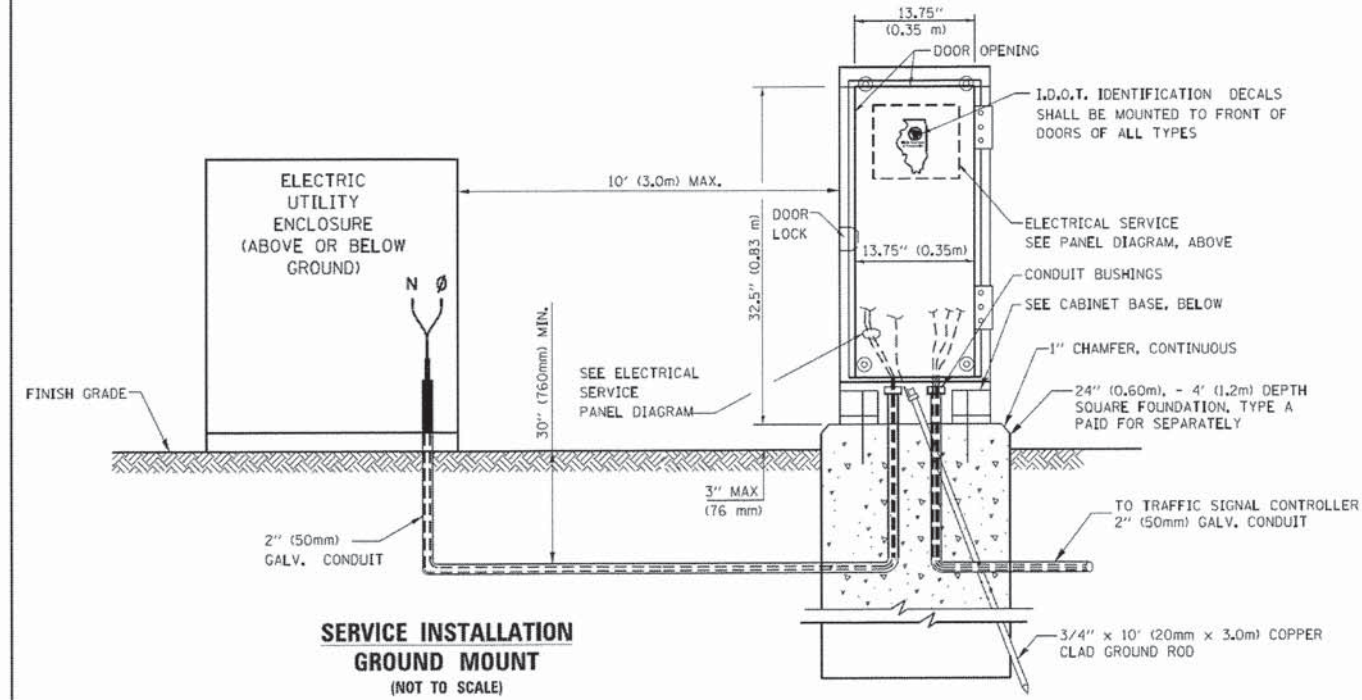
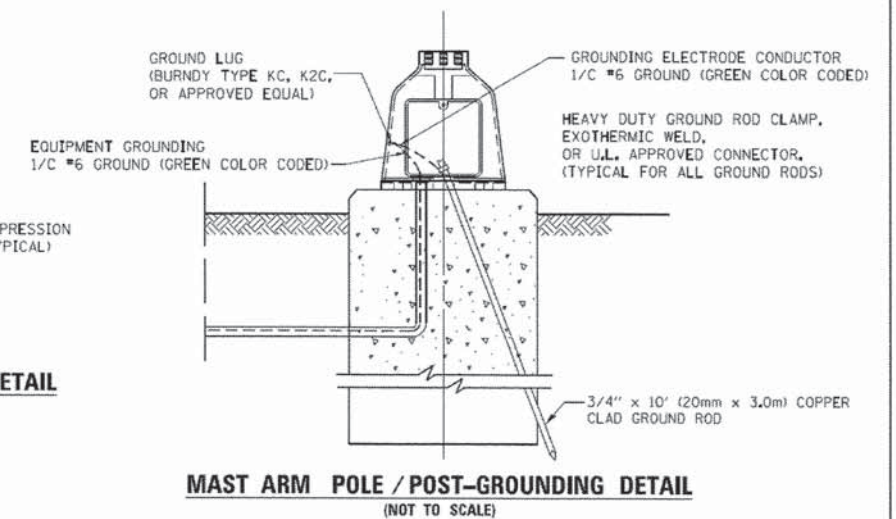
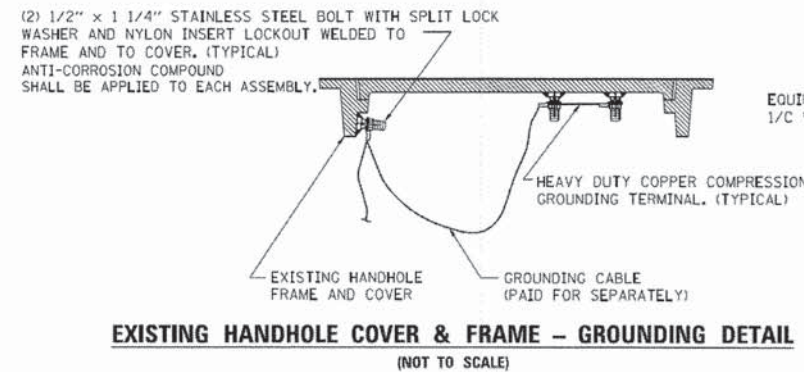
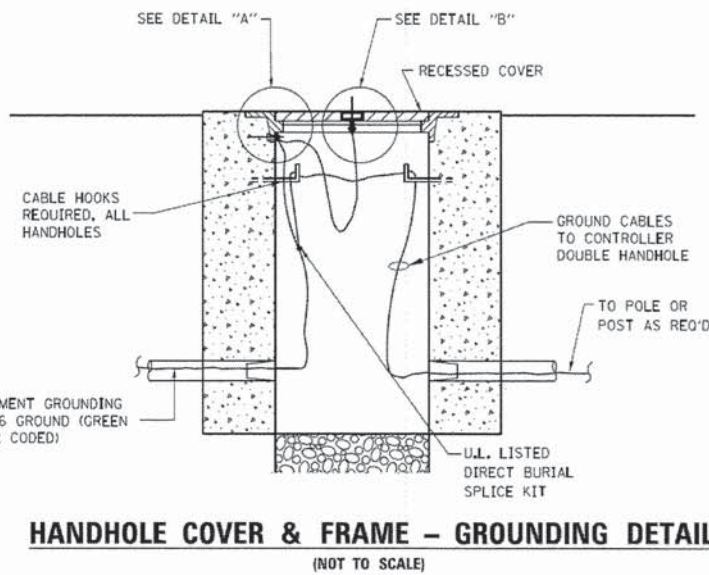
**NOTES:**  
**GROUNDING SYSTEM**

1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC.). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD, ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN, IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
2. THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION, AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
3. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
4. THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.

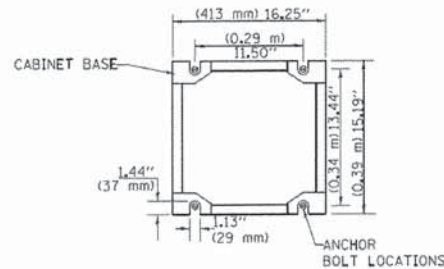


**NOTES:**

- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



**CABINET - BASE BOLT PATTERN (NOT TO SCALE)**



**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

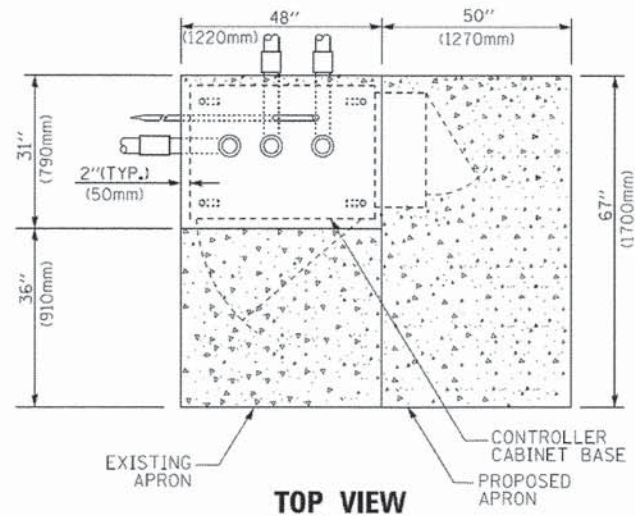
SCALE: NONE	SHEET NO. 4 OF 7 SHEETS	STA. TO STA.	F.A.U. RTE. 4085	SECTION 13-00077-00-RS	COUNTY MCHENRY	TOTAL SHEETS 81	SHEET NO. 45
-------------	-------------------------	--------------	------------------	------------------------	----------------	-----------------	--------------

TSS-05		CONTRACT NO. 61A29
--------	--	--------------------

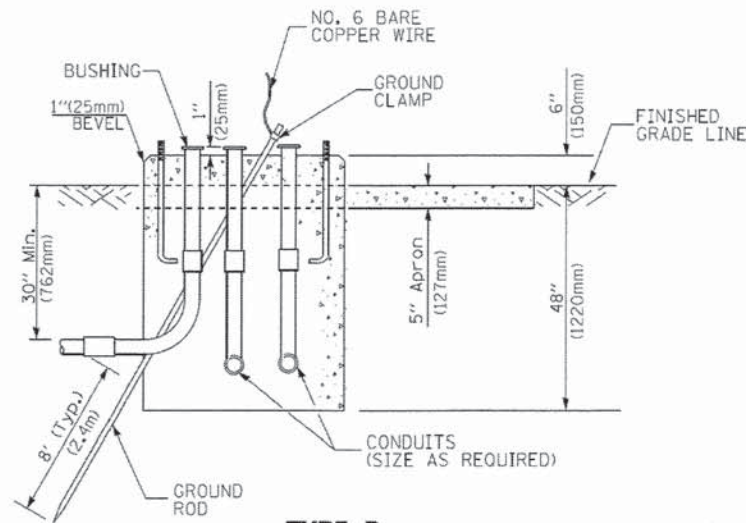
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT

COMPANY NAME: PROJECT CONTACT: 2/17/2015 4:46:33 PM CLIENT: FILED: 15770.ctb FILE NAME: PLOT DRIVER: diff.plt PEN TABLE: standard-trans-screen-topo.tbl

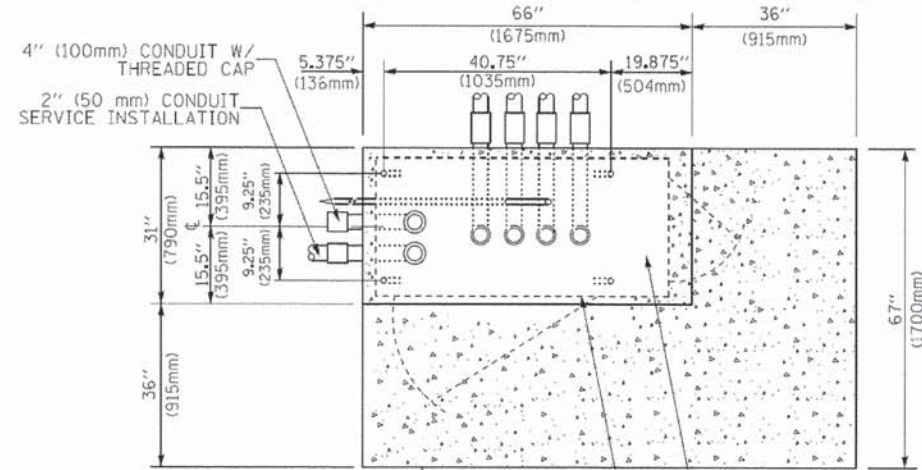
FILE NAME = c:\p\work\psdot\footam\td8108315\ts05.dgn	USER NAME = footamj	DESIGNED - DAD	REVISED - DAG 1-1-14
		DRAWN - BCK	REVISED -
	PLOT SCALE = 50.0000' / 1"	CHECKED - DAD	REVISED -
	PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISED -



**TOP VIEW**



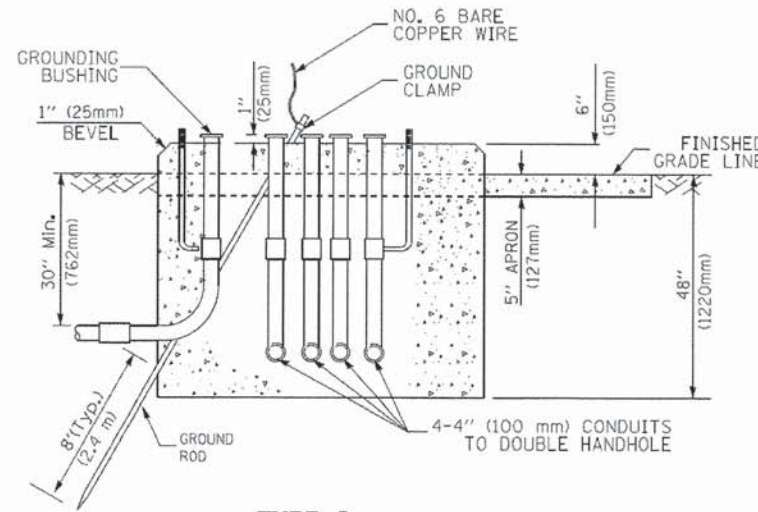
**TYPE D  
FOR GROUND MOUNTED  
CONTROLLER CABINET  
AND UPS BATTERY CABINET**



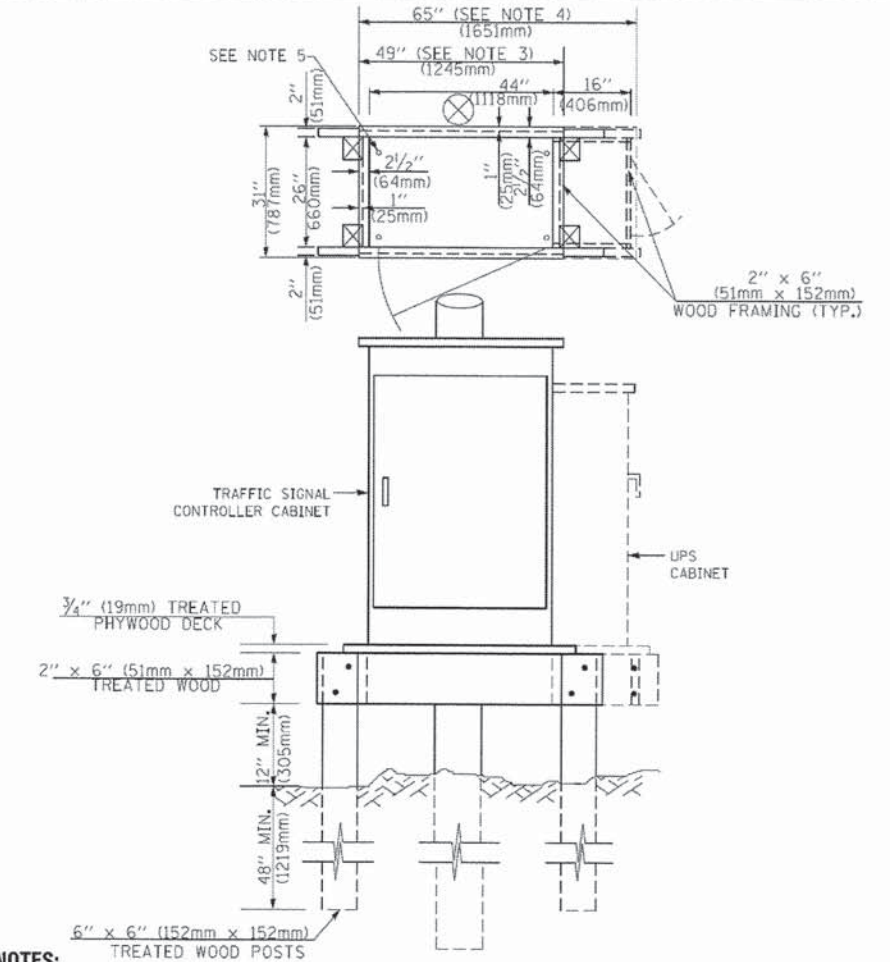
**TOP VIEW**

**NOTE:**

TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE



**TYPE C  
FOR GROUND MOUNTED  
SUPER P (TYPE IV) AND SUPER R (TYPE V)  
CONTROLLER CABINETS**



**NOTES:**

- BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
- BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
- PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
- PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
- DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
- FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION.

**TEMPORARY SIGNAL CONTROLLER  
WOOD SUPPORT PLATFORM**

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

**CABLE SLACK**

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

**VERTICAL CABLE LENGTH**

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

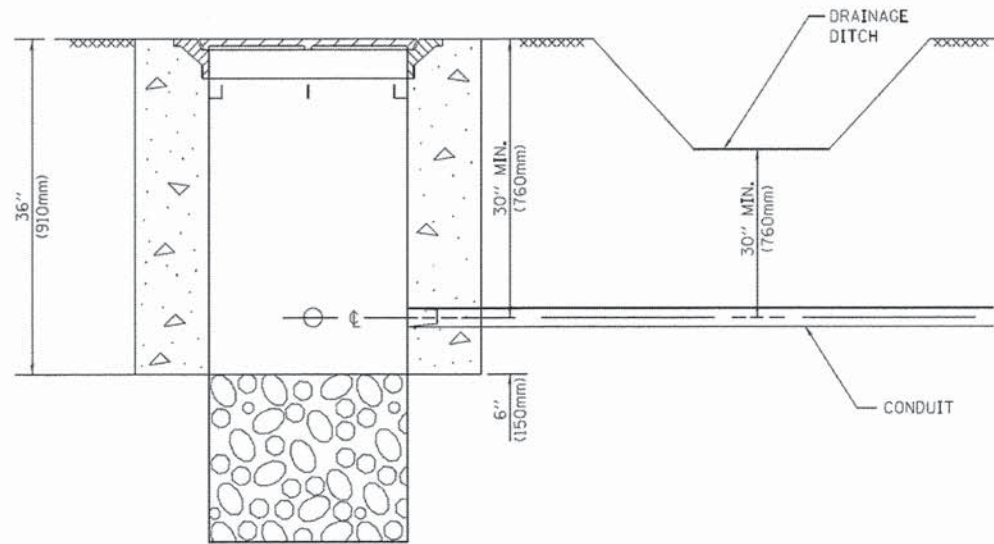
**DEPTH OF FOUNDATION**

MAST ARM LENGTH	FOUNDATION DEPTH	FOUNDATION DIAMETER	SPIRAL DIAMETER	QUANTITY OF REBARS	SIZE OF REBARS
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 55' (16.8 m) and less than 65' (19.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 65' (19.8 m) and less than 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 75' (22.9 m) and up to 85' (25.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

**NOTES:**

- These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (Qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & Structures should be contacted for a revised design if other conditions are encountered.
- Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
- Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations.
- For mast arm assemblies with dual arms refer to state standard 878001.

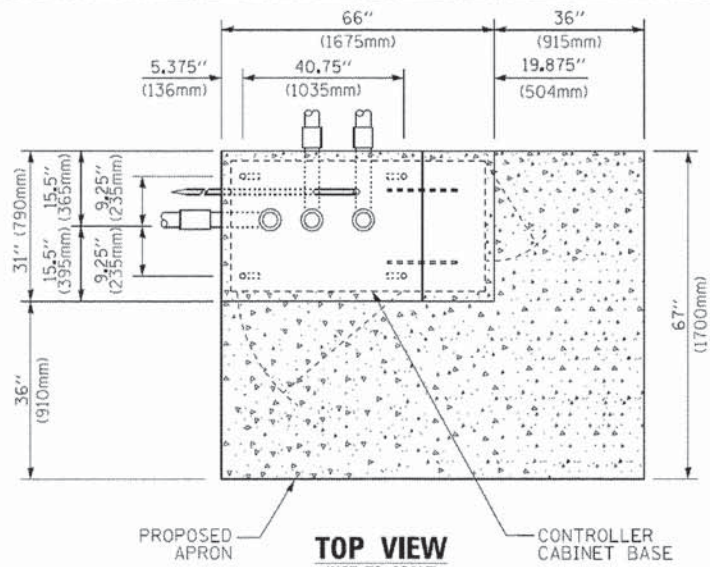
**DEPTH OF MAST ARM FOUNDATIONS, TYPE E**



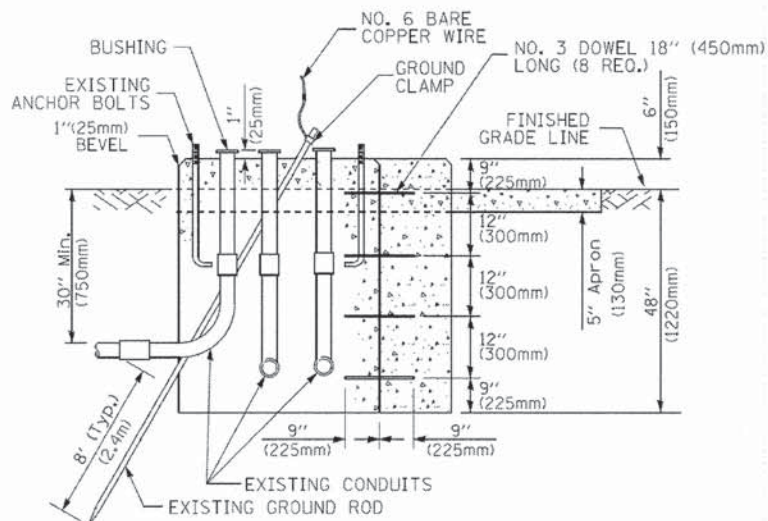
**NOTES:**

1. CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
2. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

**HANDHOLE WITH MINIMUM CONDUIT DEPTH**  
(NOT TO SCALE)



**TOP VIEW**  
(NOT TO SCALE)

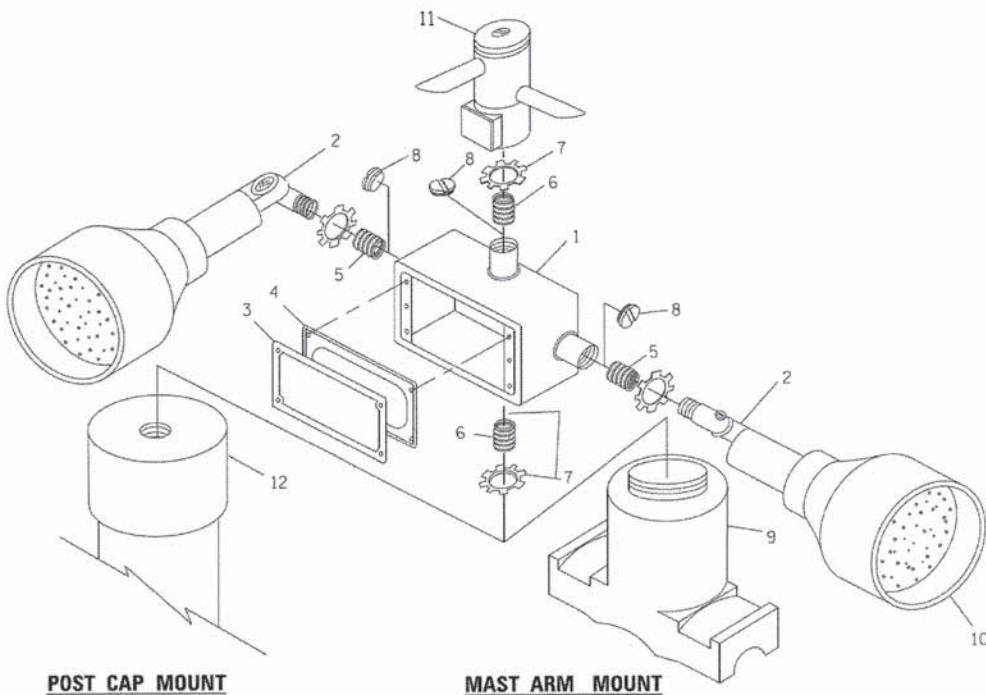


**MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION**  
(NOT TO SCALE)

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU. IN. (0,000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4" (19 mm) CLOSE NIPPLE
7	3/4" (19 mm) LOCKNUT
8	3/4" (19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

**NOTES:**

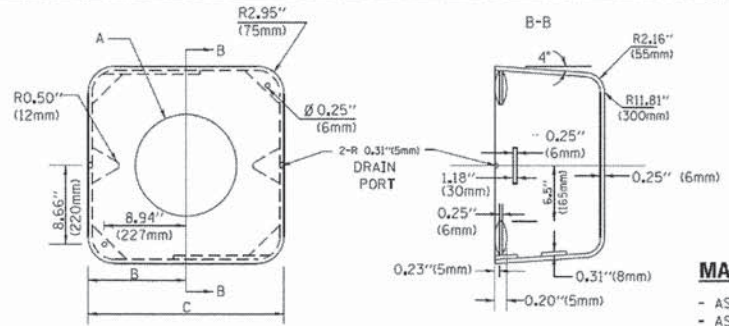
1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT  
ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT  
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4" (19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



**POST CAP MOUNT**

**MAST ARM MOUNT**

**EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL**



**MATERIAL:**

- ASTM A36 STEEL
- ASTM A-123 HOT DIPPED GALVANIZED

A	B	C	HEIGHT	WEIGHT
VARIES	9.5" (241mm)	19" (483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
VARIES	10.75" (273mm)	21.5" (546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIES	13.0" (330mm)	26" (660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIES	18.5" (470mm)	37" (940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)

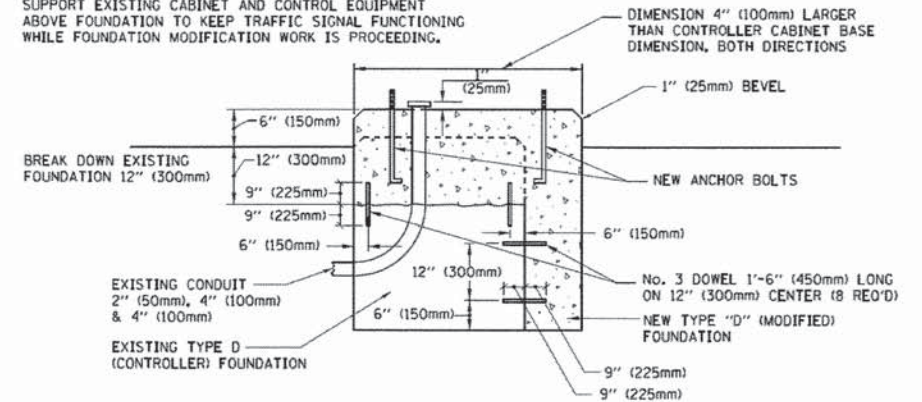
**SHROUD**

**NOTES:**

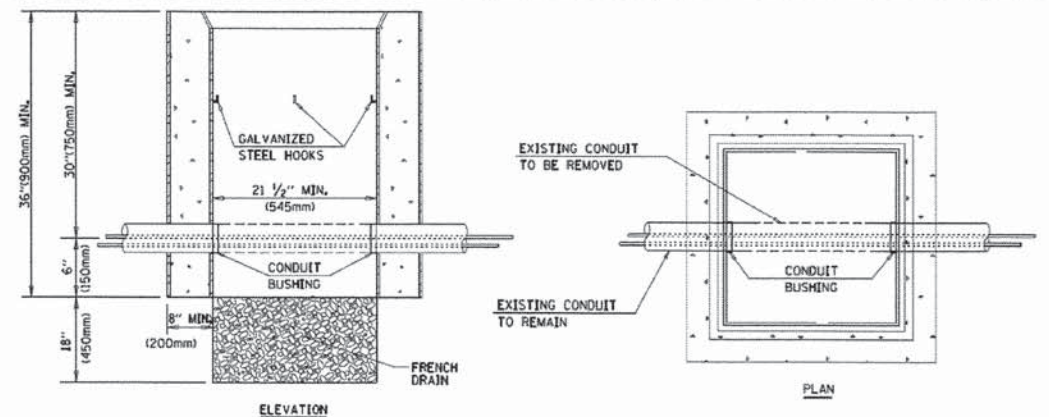
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

**NOTE:**

SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



**MODIFY EXISTING TYPE "D" FOUNDATION**



**NOTES:**

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

**HANDHOLE TO INTERCEPT EXISTING CONDUIT**

COMPANY NAME: MCHENRY  
PROJECT CONTACT: 157-stg-06106.dgn  
CLIENT: 2/11/2015 4:50:36 PM  
DATE PLOTTED: 157-stg-06106.dgn  
FILE NAME: 157-stg-06106.dgn  
PEN TABLE: 157-stg-06106.dgn

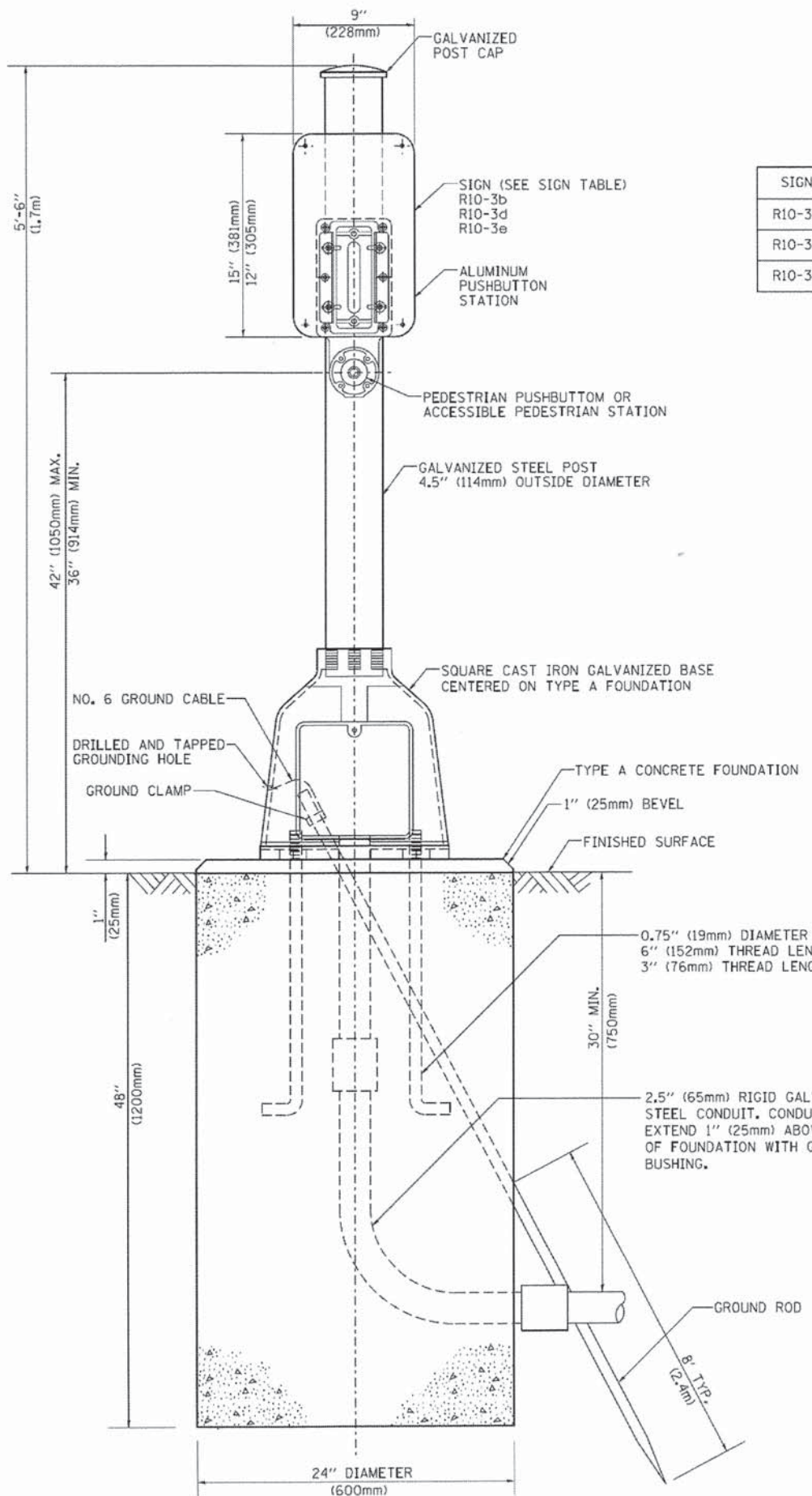
FILE NAME =	USER NAME = f00temj	DESIGNED - DAD	REVISED - DAG 1-1-14
ca:\pwwork\pwwork\fo0temj\d0108315\ts05.dgn		DRAWN - BCK	REVISED -
		CHECKED - DAD	REVISED -
		DATE - 10-28-09	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

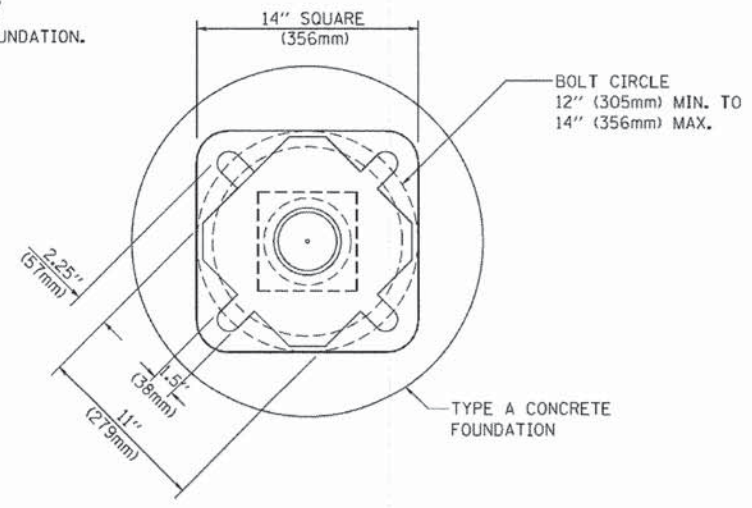
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4085	13-00077-00-RS	MCHENRY	81	47
TS-05		CONTRACT NO.	61A29	
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

SCALE: NONE SHEET NO. 6 OF 7 SHEETS STA. TO STA.



**SIGN TABLE**

SIGN	DIMENSIONS
R10-3b	9" (228mm) X 12" (305mm)
R10-3d	9" (228mm) X 12" (305mm)
R10-3e	9" (228mm) X 15" (381mm)



**BOLT PATTERN**  
**PEDESTRIAN PUSH BUTTON POST, TYPE A**

COMPANY NAME: MCHENRY  
 PROJECT CONTACT: 13-00077-00-RS  
 CLIENT: 13-00077-00-RS  
 DATE PLOTTED: 2/11/2015 4:54:16 PM  
 FILE NAME: 13-00077-00-RS.dwg  
 PLOT DRIVER: pnfplot  
 PEN TABLE: standard.ctb

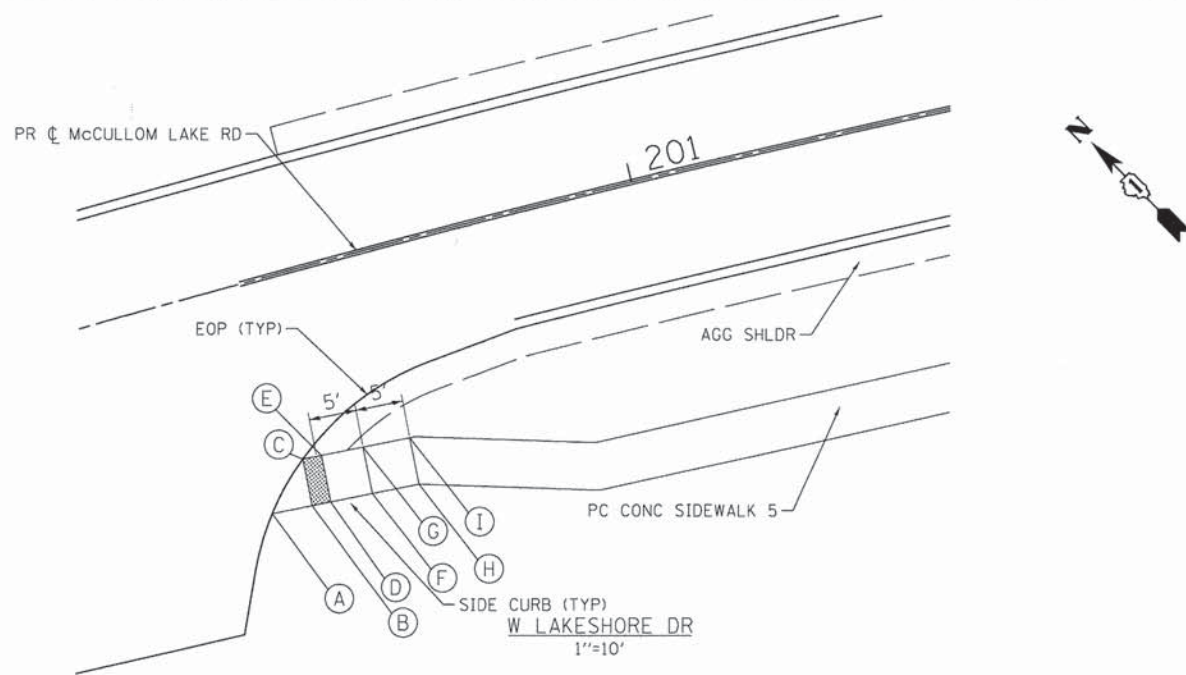
FILE NAME =	USER NAME = foatemj	DESIGNED - DAG	REVISED - DAG 1-1-14
cd:\pwork\pwork\foatemj\1308315\1308315.dwg		DRAWN - GND	REVISED -
PLOT SCALE = 50.0000' / 1"		CHECKED - DAD	REVISED -
PLOT DATE = 1/13/2014		DATE - 10/1/2012	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

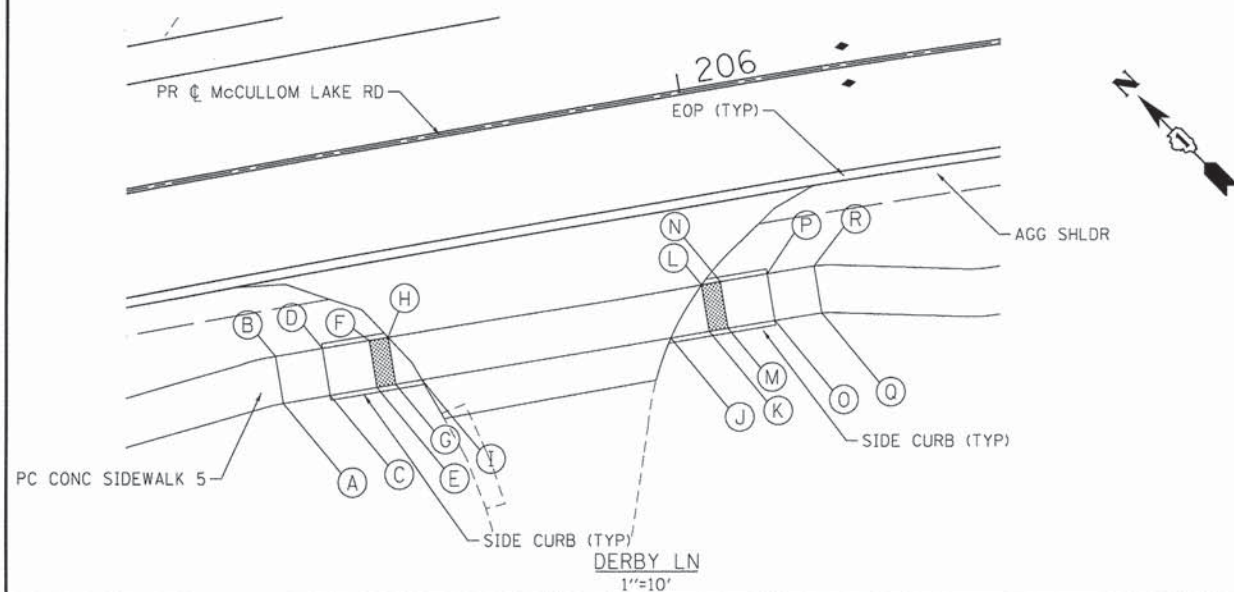
<b>DISTRICT ONE</b>			
<b>STANDARD TRAFFIC SIGNAL DESIGN DETAILS</b>			
SCALE: NONE	SHEET NO. 7 OF 7 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4085	13-00077-00-RS	MCHENRY	81	48
<b>TS-05</b>			<b>CONTRACT NO. 61A29</b>	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

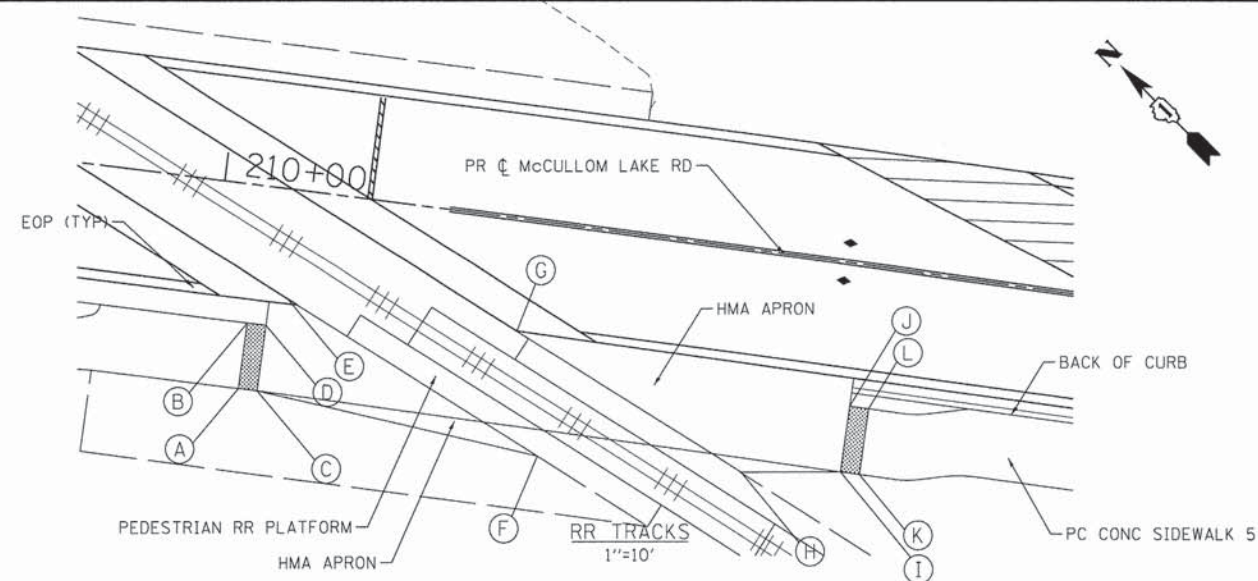




POINT DESCRIPTION W LAKESHORE DR						
POINT	STATION	OFFSET	TOP OF CURB WALL	GUTTER FLOWLINE	SIDEWALK, DRIVEWAY, OR RAMP	REMARK
A	200+54.4	24.1' RT			760.93	MEET EX
B	200+58.7	24.4' RT			761.02	
C	200+59.1	19.4' RT			761.04	MEET EX
D	200+60.7	24.5' RT			761.02	
E	200+61.1	19.5' RT			760.99	
F	200+65.3	24.8' RT			761.01	
G	200+65.6	19.8' RT			760.98	
H	200+70.3	25.1' RT			760.91	
I	200+70.7	20.1' RT			760.88	



POINT DESCRIPTION DERBY LN						
POINT	STATION	OFFSET	TOP OF CURB WALL	GUTTER FLOWLINE	SIDEWALK, DRIVEWAY, OR RAMP	REMARK
A	205+53.2	25.0' RT			761.50	
B	205+53.3	20.0' RT			761.40	
C	205+58.2	25.0' RT	762.14		761.60	
D	205+58.3	20.0' RT	762.04		761.50	
E	205+63.3	25.1' RT	762.14		762.14	
F	205+63.3	20.1' RT	762.04		762.04	
G	205+65.3	25.1' RT	762.14		762.02	
H	205+65.3	20.1' RT	762.04		761.92	
I	205+68.1	25.2' RT	762.14		762.08	
J	205+94.8	25.3' RT	762.91		762.41	
K	205+98.9	25.3' RT	762.91		762.33	
L	205+98.9	20.3' RT	762.81		762.23	
M	206+00.9	25.3' RT	762.91		762.49	
N	206+00.9	20.3' RT	762.81		762.39	
O	206+05.9	25.4' RT	762.91		762.91	
P	206+05.9	20.4' RT	762.81		762.81	
Q	206+10.9	25.4' RT			763.01	
R	206+11.0	20.4' RT			762.91	



POINT DESCRIPTION RR TRACKS						
POINT	STATION	OFFSET	TOP OF CURB WALL	GUTTER FLOWLINE	SIDEWALK, DRIVEWAY, OR RAMP	REMARK
A	210+04.2	21.5' RT			763.55	
B	210+04.2	14.5' RT			763.69	
C	210+06.2	21.5' RT			763.56	
D	210+06.2	14.5' RT			763.70	
E	210+08.2	11.5' RT			763.77	MEET PLATFORM
F	210+36.5	24.6' RT			763.69	MEET PLATFORM
G	210+32.5	11.8' RT			763.52	MEET PLATFORM
H	210+57.9	23.5' RT			763.60	MEET PLATFORM
I	210+68.4	22.0' RT			762.66	
J	210+68.4	15.0' RT			762.80	
K	210+70.4	22.0' RT			762.76	
L	210+70.4	15.0' RT			762.90	

- LEGEND**
- (A) POINT
  - ▨ DETECTABLE WARNINGS
  - ▩ CURB DEPRESSION

COMPANY NAME: HRGreen  
 PROJECT CONTACT: Jhorwit  
 DATE PLOTTED: 2/11/2015 4:56:02 PM  
 FILE NAME: 157-det-sw-ramps01.dgn  
 PLOT DRIVER: perfart  
 PEN TABLE: standard-trans-screen-topco.tbl

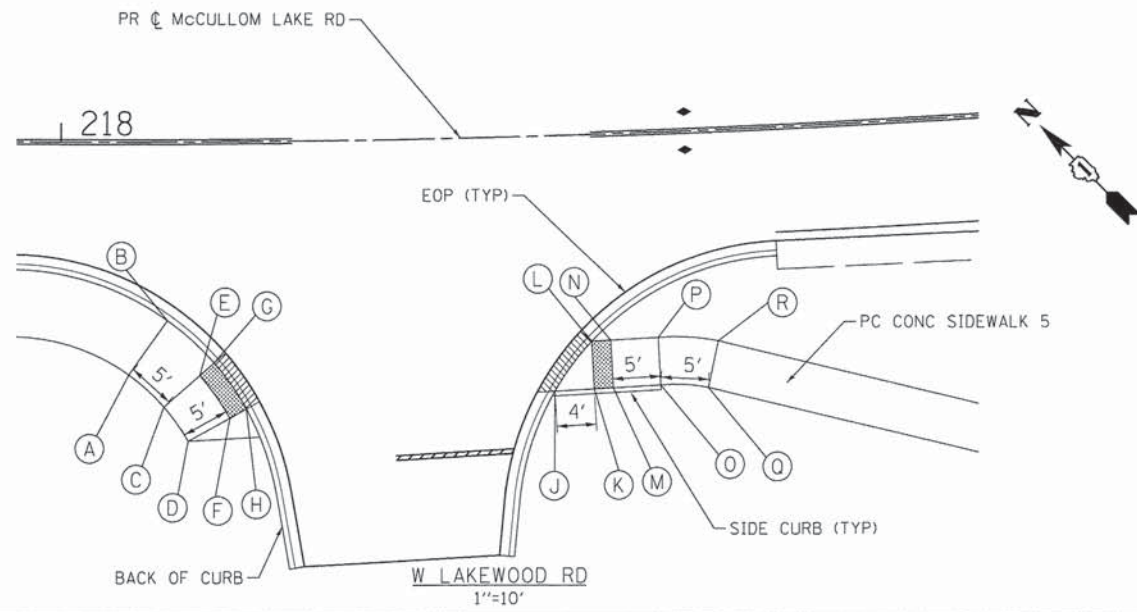
USER NAME = jhorwit	DESIGNED - JS	REVISED -
FILE NAME = 157-det-sw-ramps01.dgn	DRAWN - DMS	REVISED -
PLOT SCALE = 1"=10'	CHECKED - TH	REVISED -
PLOT DATE = 2/11/2015	DATE - 2/11/15	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

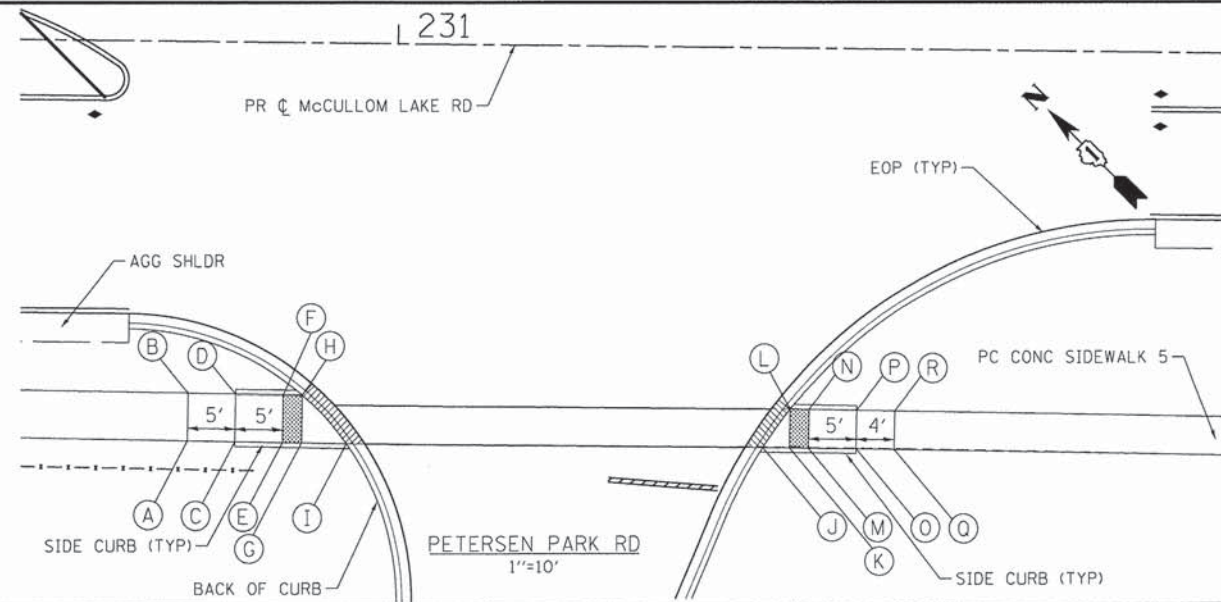
**SIDEWALK RAMP DETAILS**

SCALE: 1"=10' SHEET NO. 1 OF 4 SHEETS STA. TO STA.

F.A.U. RTE. 4085	SECTION 13-00077-00-RS	COUNTY MCHENRY	TOTAL SHEETS 81	SHEET NO. 49
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	CONTRACT NO. 61A29	

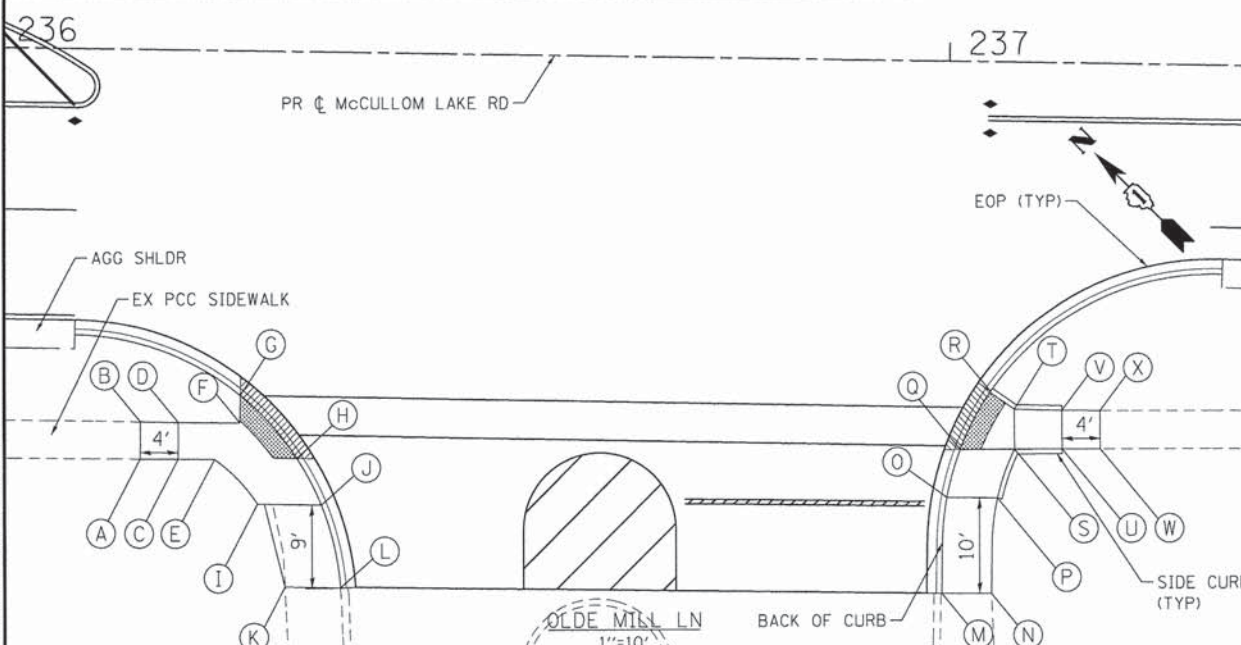


POINT DESCRIPTION W LAKEWOOD RD						
POINT	STATION	OFFSET	TOP OF CURB WALL	GUTTER FLOWLINE	SIDEWALK, DRIVEWAY, OR RAMP	REMARK
A	218+03.3	26.2' RT			760.49	
B	218+04.3	21.3' RT			760.63	
C	218+08.1	27.2' RT			760.60	
D	218+09.1	22.3' RT			760.60	
E	218+13.8	28.2' RT			760.70	
F	218+14.0	23.2' RT			760.64	
G	218+16.2	28.1' RT		760.62	760.74	
H	218+19.2	28.0' RT		760.56	760.68	
J	218+51.2	26.8' RT	761.11	760.98	761.11	
K	218+55.2	26.7' RT	761.78		761.20	
L	218+55.1	21.7' RT		760.97	761.10	
M	218+57.1	25.0' RT	761.78		761.36	
N	218+57.1	21.6' RT			761.26	
O	218+62.1	26.5' RT	761.78		761.78	
P	218+62.0	21.5' RT			761.68	
Q	218+66.9	27.0' RT			761.88	
R	218+68.2	22.1' RT			761.78	



POINT DESCRIPTION PETERSEN PARK RD						
POINT	STATION	OFFSET	TOP OF CURB WALL	GUTTER FLOWLINE	SIDEWALK, DRIVEWAY, OR RAMP	REMARK
A	230+78.3	41.7' RT			762.31	
B	230+78.3	36.7' RT			762.21	
C	230+83.3	41.7' RT	762.42		762.42	
D	230+83.3	36.7' RT	762.32		762.32	
E	230+88.3	41.7' RT	762.42		762.01	
F	230+88.3	36.7' RT	762.32		762.00	
G	230+90.3	41.8' RT	762.42		761.84	
H	230+90.3	36.8' RT	762.32	761.83	761.87	
I	230+95.0	41.8' RT	762.42	761.71	761.75	
J	231+38.8	41.7' RT	762.45	761.87	761.91	
K	231+41.6	41.7' RT	762.45		761.92	
L	231+41.6	37.7' RT	762.55	761.93	761.97	
M	231+43.6	41.7' RT	762.45		762.07	
N	231+43.6	37.7' RT	762.55		762.14	
O	231+48.6	41.7' RT	762.45		762.45	
P	231+48.6	37.7' RT	762.55		762.55	
Q	231+52.6	41.8' RT			762.37	
R	231+52.6	37.8' RT			762.47	

- LEGEND**
- (A) POINT
  - ▨ DETECTABLE WARNINGS
  - ▨ CURB DEPRESSION



POINT DESCRIPTION OLDE MILL LN													
POINT	STATION	OFFSET	TOP OF CURB WALL	GUTTER FLOWLINE	SIDEWALK, DRIVEWAY, OR RAMP	REMARK	POINT	STATION	OFFSET	TOP OF CURB WALL	GUTTER FLOWLINE	SIDEWALK, DRIVEWAY, OR RAMP	REMARK
A	236+15.6	42.8' RT			763.20	MEET EX	M	237+00.1	55.7' RT	762.98	762.48	762.98	MEET EX
B	236+15.6	39.0' RT			763.81	MEET EX	N	237+05.3	55.7' RT			763.14	MEET EX
C	236+19.6	42.8' RT			763.82		O	237+00.4	45.7' RT	762.84	762.34	762.84	
D	236+19.6	39.0' RT			763.92		P	237+05.8	45.7' RT	762.94		762.94	
E	236+23.4	42.8' RT			764.14		Q	237+01.8	40.7' RT		762.64	762.77	
F	236+26.0	39.0' RT			764.26		R	237+07.3	31.5' RT		762.64	762.77	
G	236+26.0	36.1' RT		764.18	764.31		S	237+07.5	40.5' RT	762.94		762.88	
H	236+32.1	42.5' RT		764.18	764.31		T	237+07.4	36.4' RT	762.93		762.80	
I	236+28.0	47.4' RT			763.62		U	237+12.5	40.4' RT	762.94		762.93	
J	236+34.7	47.4' RT	763.54	763.04	763.54		V	237+12.4	36.4' RT	762.93		762.85	
K	236+31.0	56.0' RT			763.10	MEET EX	W	237+16.5	40.3' RT			762.98	MEET EX
L	236+36.9	56.0' RT	762.76	762.26	762.76	MEET EX	X	237+16.4	36.4' RT			762.99	MEET EX

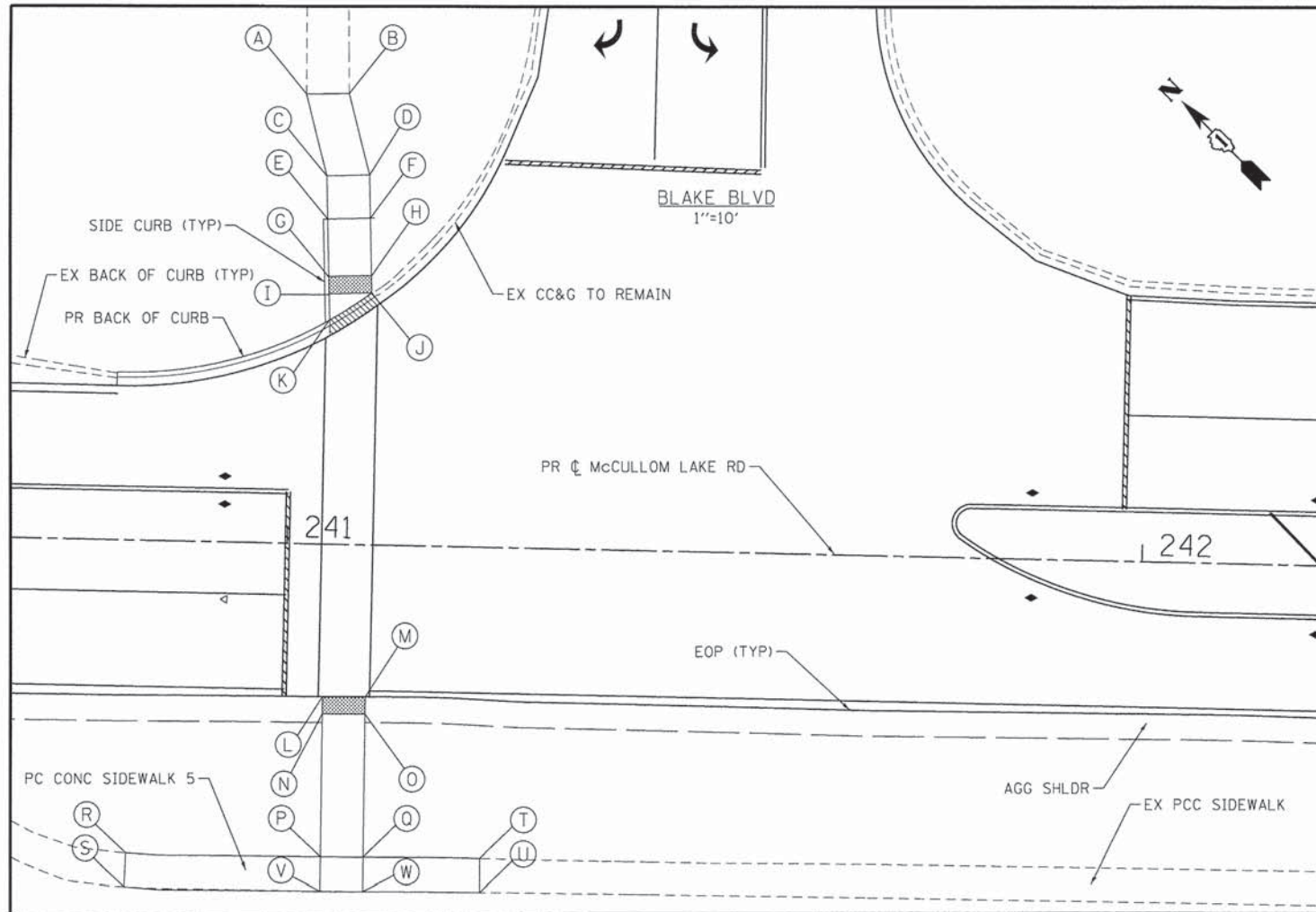
COMPANY NAME: HRGreen.com  
 PROJECT CONTACT: HRGreen.com  
 CLIENT: HRGreen.com  
 DATE PLOTTED: 2/11/2015 4:56:07 PM  
 FILE NAME: 157-det-sw-ramps02.dgn  
 PLOT DRIVER: pdfplot  
 PEN TABLE: standard-trama-screen-topc.tbl

USER NAME: jhorwit	DESIGNED: JS	REVISED:
FILE NAME: 157-det-sw-ramps02.dgn	DRAWN: DMS	REVISED:
PLOT SCALE: 1"=10'	CHECKED: TH	REVISED:
PLOT DATE: 2/11/2015	DATE: 2/11/15	REVISED:

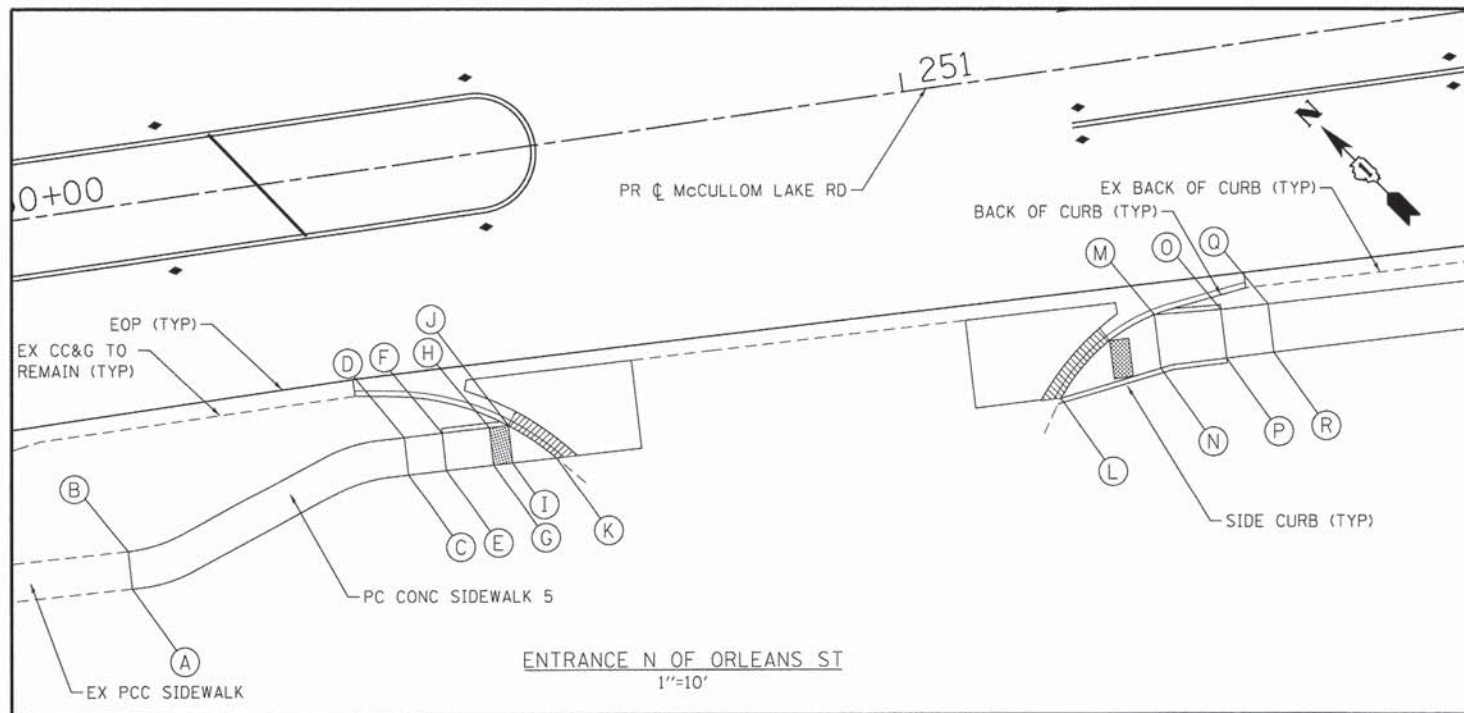
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SIDEWALK RAMP DETAILS			
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS
4085	13-00077-00-RS	MCHENRY	81
SCALE: 1"=10'			SHEET NO. 2 OF 4 SHEETS
STA. TO STA.		CONTRACT NO. 61A29	

FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT
---------------------	---------------------------



POINT DESCRIPTION BLAKE BLVD						
POINT	STATION	OFFSET	TOP OF CURB WALL	GUTTER FLOWLINE	SIDEWALK, DRIVEWAY, OR RAMP	REMARK
A	241+01.1	52.2' LT			762.80	MEET EX
B	241+06.1	52.4' LT			762.89	MEET EX
C	241+03.8	42.8' LT			762.78	
D	241+08.7	43.0' LT			762.88	
E	241+04.0	37.8' LT	762.68		762.68	
F	241+09.0	38.0' LT			762.78	
G	241+04.2	31.0' LT	762.68		762.14	
H	241+09.2	31.2' LT			762.24	
I	241+04.3	29.0' LT	762.68		762.02	
J	241+08.3	29.2' LT			762.08	MEET EX
K	241+04.4	26.1' LT	762.68		762.02	MEET EX
L	241+04.5	17.8' RT			761.45	
M	241+09.5	17.7' RT			761.47	
N	241+04.5	19.8' RT			761.35	
O	241+09.5	19.7' RT			761.37	
P	241+04.7	36.5' RT			760.51	
Q	241+09.7	36.5' RT			760.53	
R	240+81.9	36.6' RT			759.37	MEET EX
S	240+81.8	40.5' RT			759.47	MEET EX
T	241+23.3	36.4' RT			759.85	MEET EX
U	241+23.4	40.3' RT			759.94	MEET EX
V	241+04.7	40.5' RT			760.51	
W	241+09.7	40.5' RT			760.53	



POINT DESCRIPTION ENTRANCE N OF ORLEANS ST						
POINT	STATION	OFFSET	TOP OF CURB WALL	GUTTER FLOWLINE	SIDEWALK, DRIVEWAY, OR RAMP	REMARK
A	250+12.5	40.1' RT			770.69	MEET EX
B	250+12.6	36.1' RT			770.65	MEET EX
C	250+42.9	32.3' RT			771.59	
D	250+43.0	28.4' RT			771.55	
E	250+46.9	32.4' RT			771.67	
F	250+47.0	28.5' RT	772.00		771.63	
G	250+51.9	32.6' RT			771.57	
H	250+52.0	28.6' RT	771.98		771.53	
I	250+53.9	32.6' RT			771.53	
J	250+54.0	28.7' RT	771.98		771.49	
K	250+58.5	32.8' RT			771.62	
L	251+11.9	34.1' RT	772.02		772.02	MEET EX
M	251+22.9	26.9' RT	772.92		772.35	
N	251+22.8	32.5' RT	772.64		772.24	
O	251+29.9	27.3' RT	772.92		772.92	
P	251+29.8	32.4' RT	772.82		772.82	
Q	251+34.9	27.4' RT			773.00	
R	251+34.8	32.5' RT			772.90	

COMPANY NAME: HRGreen  
 PROJECT CONTACT: HRGreen  
 DATE PLOTTED: 2/12/2015 8:28:10 AM  
 FILE NAME: 157-de1-swr-emp03.dgn  
 PLOT DRIVER: pdfplot  
 PEN TABLE: standard-trans-screen-topo.tbl



USER NAME = dstanca	DESIGNED - JS	REVISED -
FILE NAME = 157-de1-swr-emp03.dgn	DRAWN - DMS	REVISED -
PLOT SCALE = 1"=18'	CHECKED - TH	REVISED -
PLOT DATE = 2/12/2015	DATE - 2/12/15	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

**SIDEWALK RAMP DETAILS**

SCALE: 1"=10' SHEET NO. 3 OF 4 SHEETS STA. TO STA.

F.A.U. RTE. 4085	SECTION 13-00077-00-RS	COUNTY MCHENRY	TOTAL SHEETS 81	SHEET NO. 51
CONTRACT NO. 61A29				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

COMPANY NAME: HRGreen  
 PROJECT CONTACT: dstonoz  
 DATE PLOTTED: 2/12/2015 8:28:17 AM  
 FILE NAME: 157-det+sw+emps04.dgn  
 PLOT DRIVER: plot11  
 PEN TABLE: standard-trans-screen-topo.tbl



USER NAME = dstonoz  
 FILE NAME = 157-det+sw+emps04.dgn  
 PLOT SCALE = 1"=10'  
 PLOT DATE = 2/12/2015  
 DESIGNED - JS  
 DRAWN - DMS  
 CHECKED - TH  
 DATE - 2/12/15  
 REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

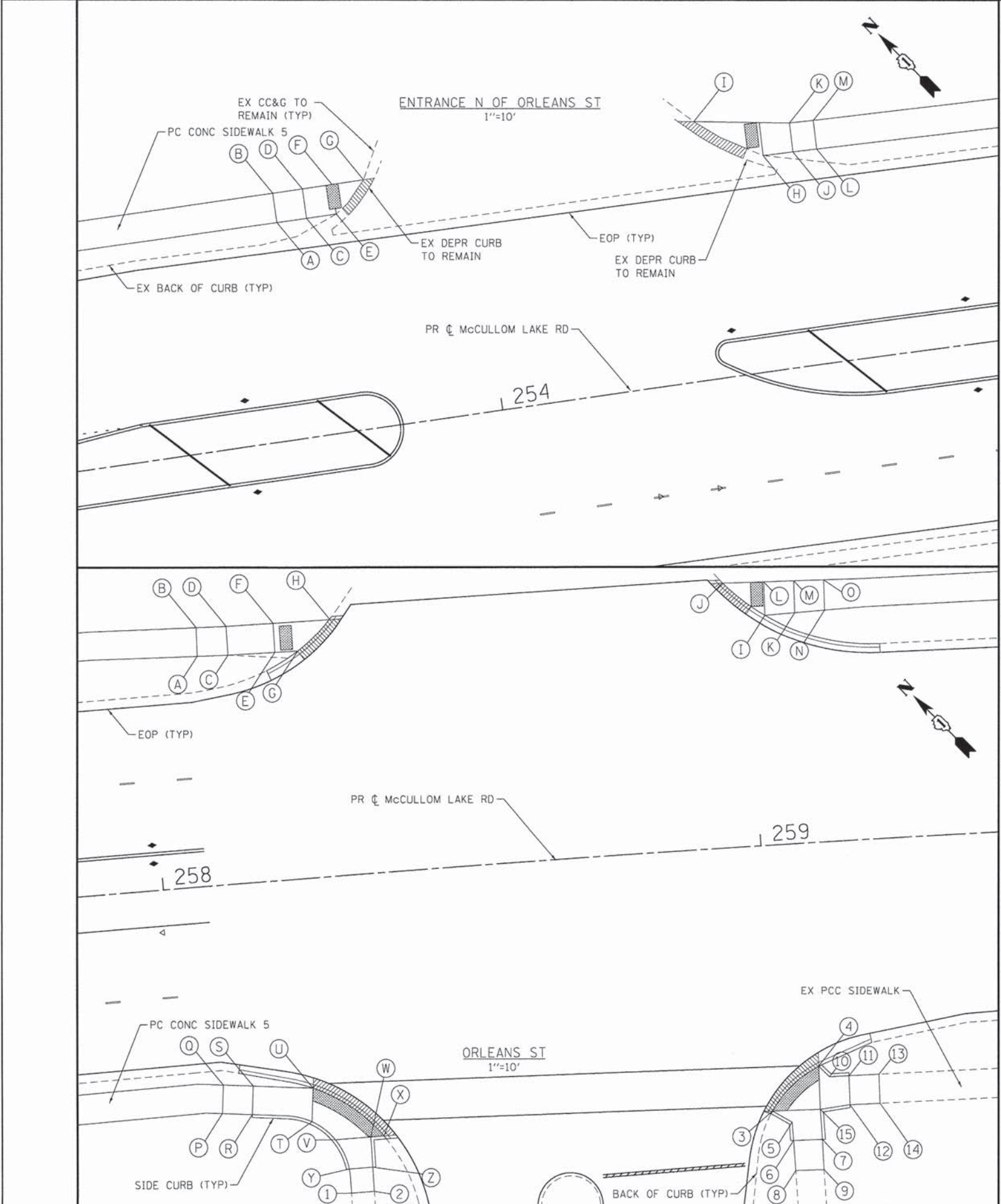
SIDEWALK RAMP DETAILS

SCALE: 1"=10' SHEET NO. 4 OF 4 SHEETS STA. TO STA.

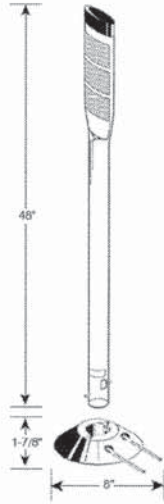
F.A.U. R/E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4085	13-00077-00-RS	MCHENRY	81	52
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		CONTRACT NO. 61A29

POINT	STATION	OFFSET	TOP OF CURB WALL	GUTTER FLOWLINE	SIDEWALK, DRIVEWAY, OR RAMP	REMARK
A	253+67.1	36.2' LT			771.93	
B	253+67.1	41.1' LT			772.03	
C	253+72.1	36.2' LT			771.83	
D	253+72.1	41.1' LT			771.93	
E	253+77.1	36.2' LT			771.71	MEET EX
F	253+77.1	41.2' LT			771.68	
G	253.82.4	41.2' LT			771.57	MEET EX
H	254+48.8	35.8' LT			770.35	MEET EX
I	254+38.2	42.9' LT			770.45	MEET EX
J	254+53.8	35.7' LT			770.35	
K	254+53.9	40.5' LT			770.45	
L	254+57.8	35.6' LT			770.35	
M	254+57.8	40.4' LT			770.45	

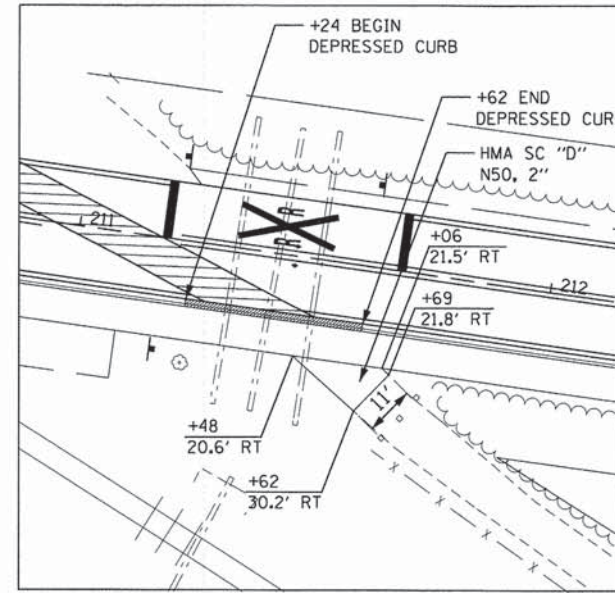
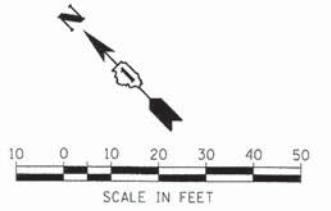
POINT	STATION	EXISTING ELEVATION	TOP OF CURB WALL	GUTTER FLOWLINE	SIDEWALK, DRIVEWAY, OR RAMP	REMARK
A	258+08.6	38.2' LT			765.06	
B	258+08.8	43.0' LT			765.16	
C	258+13.7	38.0' LT			765.01	
D	258+13.8	42.9' LT			765.11	
E	258+21.5	37.9' LT			764.62	
F	258+21.6	42.7' LT			764.72	
G	258+25.3	37.9' LT		764.57	764.70	
H	258+30.9	42.6' LT		764.78	764.91	MEET EX
I	259+03.0	38.3' LT		764.64	764.77	
J	258+96.3	44.1' LT		764.89	765.02	MEET EX
K	259+08.0	38.4' LT			765.03	
L	259+03.2	43.9' LT			764.88	
M	259+08.1	43.7' LT			765.13	
N	259+13.0	38.5' LT			765.13	
O	259+13.1	43.6' RT			765.23	
P	258+06.9	37.7' RT			764.01	
Q	258+07.4	33.0' RT			764.11	
R	258+11.9	38.3' RT	763.91		763.91	
S	258+12.4	34.3' RT			764.01	
T	258+21.8	40.3' RT	763.91		763.07	
U	258+22.4	34.7' RT		763.05	763.18	
V	258+25.5	43.6' RT	763.91		762.97	
W	258+31.4	43.6' RT	763.13		763.09	
X	258+33.7	43.6' RT	763.13	763.00	763.13	MEET EX
Y	258+27.4	48.6' RT	763.91		763.39	
Z	258+31.4	48.6' RT	763.13		763.07	
1	258+27.5	52.6' RT			763.49	
2	258+31.4	52.6' RT			763.17	
3	258+99.1	44.0' RT	763.60	763.01	763.14	MEET EX
4	259+07.4	37.1' RT	763.76	763.22	763.35	
5	259+02.3	46.1' RT	763.60		763.36	
6	259+02.4	49.1' RT	763.60		763.60	
7	259+07.2	49.2' RT	763.70		763.70	
8	259+02.4	54.1' RT			763.54	MEET EX
9	259+07.2	54.2' RT			763.72	MEET EX
10	259+09.1	38.9' RT	763.76		763.52	
11	259+12.4	38.9' RT	763.76		763.76	
12	259+12.2	43.8' RT	763.70		763.66	
13	259+17.4	39.0' RT			763.78	MEET EX
14	259+17.3	43.8' RT			763.76	MEET EX
15	259+07.2	44.2' RT	763.70		763.30	



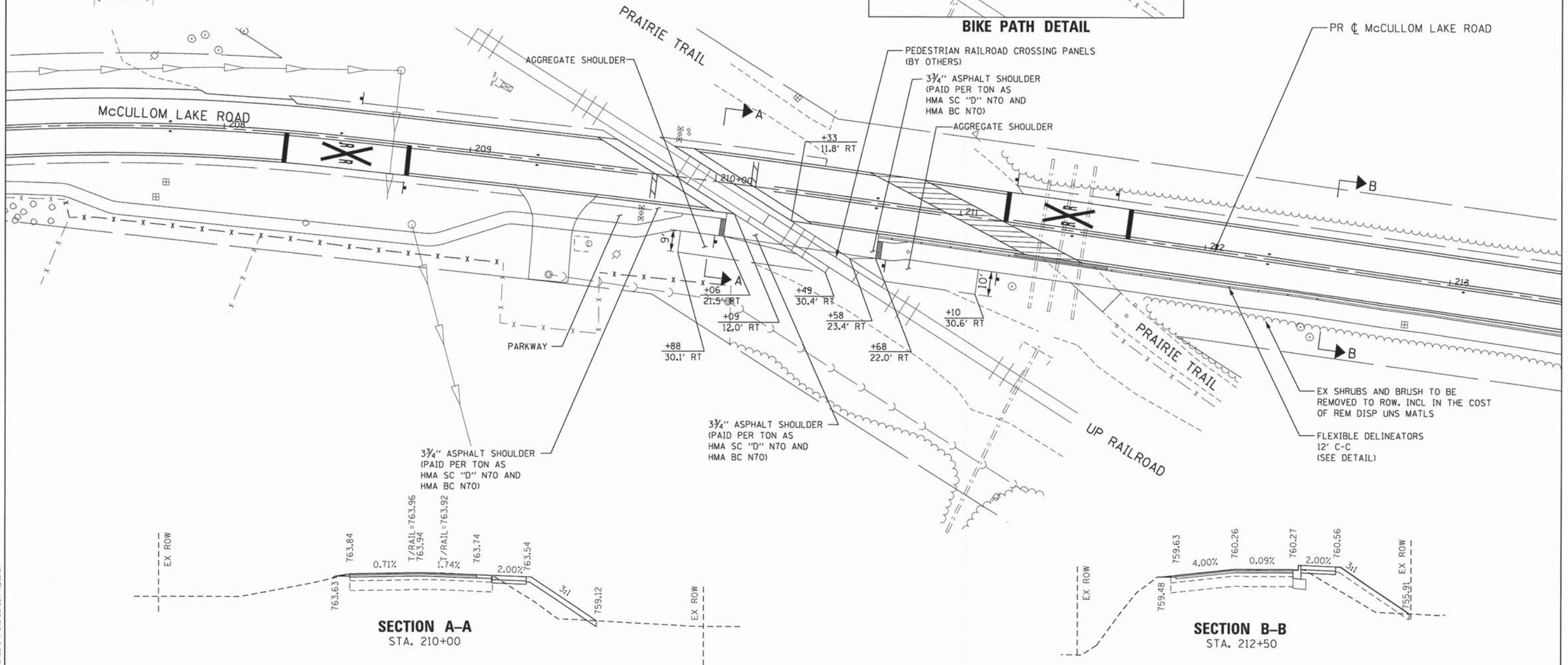
**FLEXIBLE CHANNELIZER  
TUBULAR MARKER**



48" WHITE POST WITH THREE  
3" x 3" SILVER HIGH INTENSITY  
REFLECTIVE PATCHES, BLACK  
CAP WITH PIN-LOCK SURFACE  
MOUNT BASE.



**BIKE PATH DETAIL**



**SECTION A-A  
STA. 210+00**

**SECTION B-B  
STA. 212+50**

COMPANY NAME: HRGreen  
PROJECT CONTACT: HRGreen.com  
CLIENT: Illinois Professional Design Firm  
DATE PLOTTED: 2/11/2015 4:56:21 PM  
FILE NAME: 157-det-rrr.dgn  
PLOT DRIVER: pdf.plt  
PEN TABLE: standard-trans-screen-topo.tbl



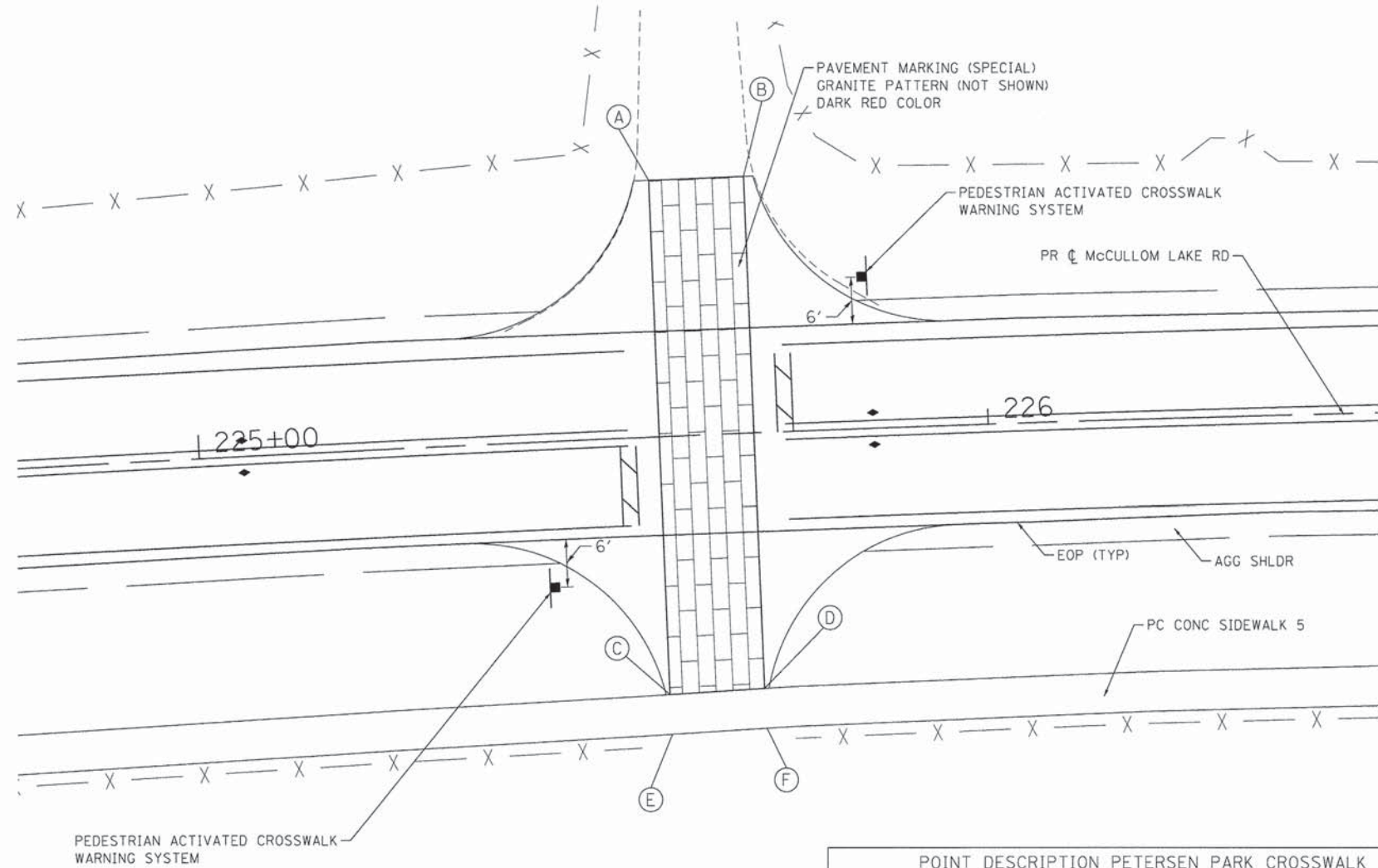
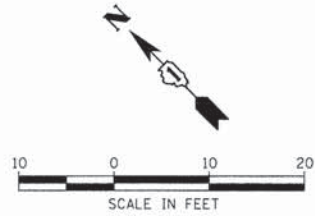
USER NAME = jhorwit	DESIGNED - JS	REVISED -
FILE NAME = 157-det-rrr.dgn	DRAWN - TAY	REVISED -
PLOT SCALE = 1"=20'	CHECKED - TH	REVISED -
PLOT DATE = 2/11/2015	DATE - 2/11/15	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

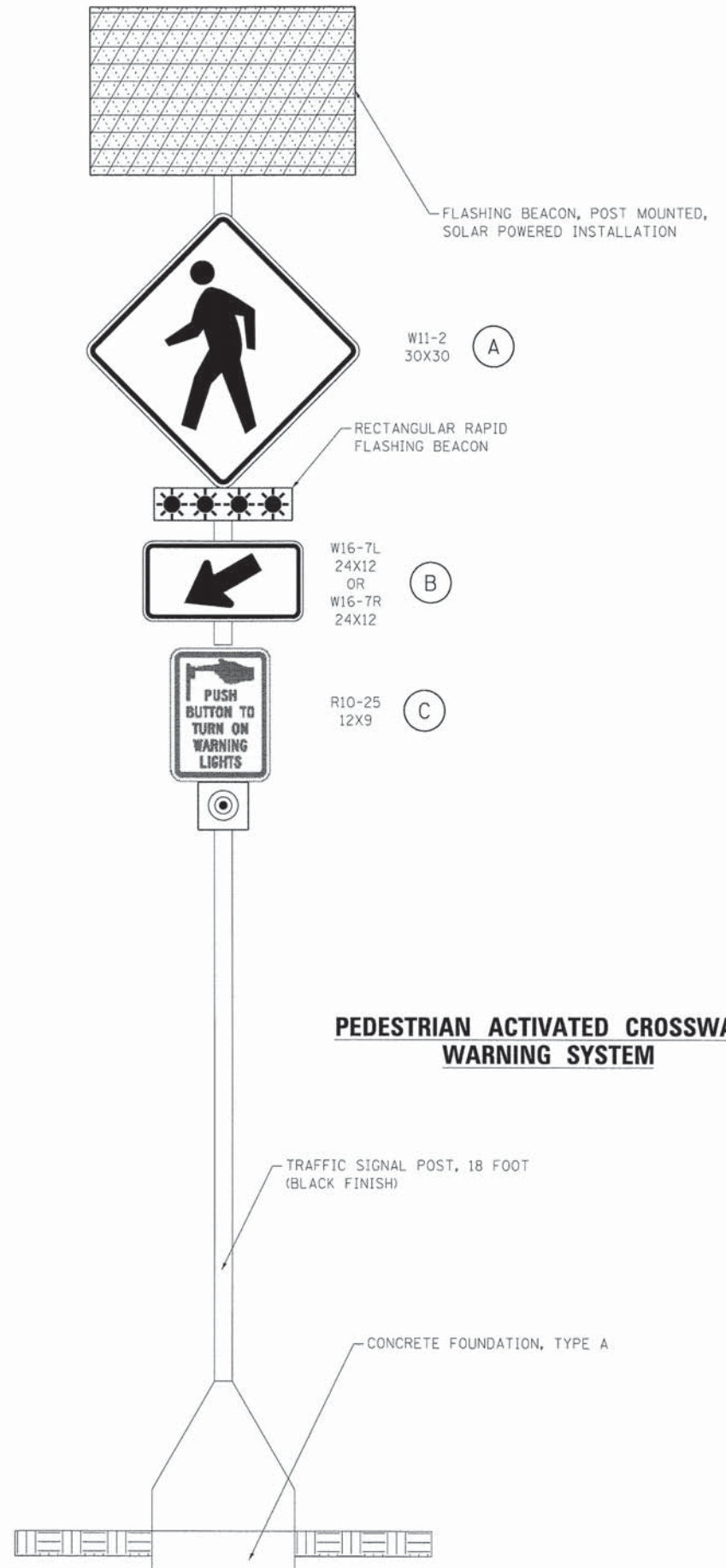
**RAILROAD CROSSING DETAILS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4085	13-00077-00-RS	MCHENRY	81	53
CONTRACT NO. 61A29				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



POINT DESCRIPTION PETERSEN PARK CROSSWALK						
POINT	STATION	OFFSET	TOP OF CURB WALL	GUTTER FLOWLINE	SIDEWALK, DRIVEWAY, OR RAMP	REMARK
A	225+58.3	32.5' LT			769.65	MEET EX
B	225+70.3	32.5' LT			769.60	MEET EX
C	225+58.3	32.5' RT			768.40	
D	225+70.3	32.2' RT			768.35	
E	225+58.4	37.5' RT			768.47	
F	225+70.5	37.2' RT			768.42	



**PEDESTRIAN ACTIVATED CROSSWALK WARNING SYSTEM**

COMPANY NAME: HRGreen  
 PROJECT CONTACT: HRGreen.com  
 CLIENT: Illinois Professional Design Firm  
 DATE PLOTTED: 2/11/2015 4:56:06 PM  
 FILE NAME: 157-det-xxwalk.dgn  
 PLOT DATE: 2/11/2015  
 PLOT SCALE: 1"=10'  
 PLOT DATE: 2/11/2015



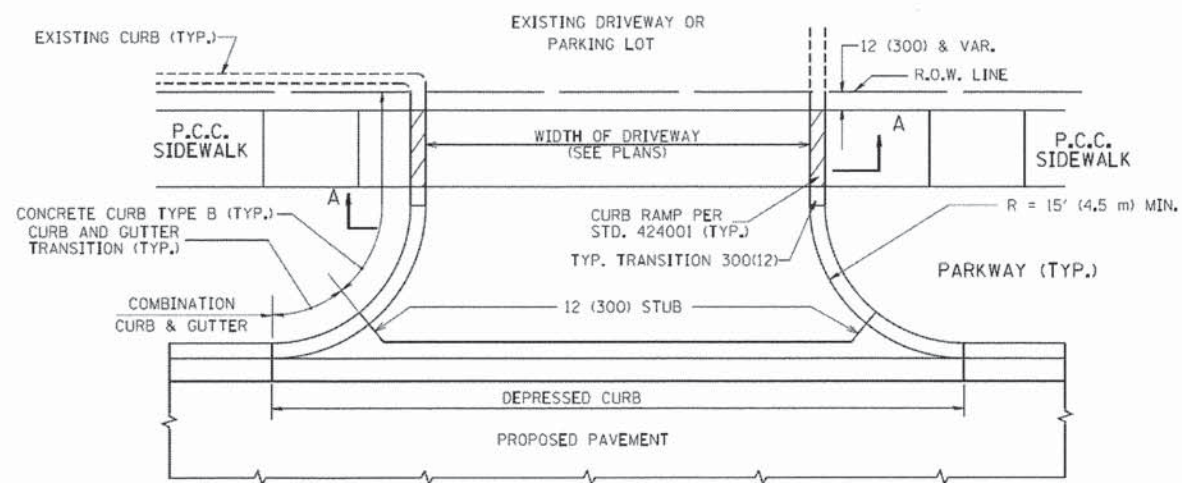
USER NAME = jhorwit	DESIGNED - JS	REVISED -
FILE NAME = 157-det-xxwalk.dgn	DRAWN - TAY	REVISED -
PLOT SCALE = 1"=10'	CHECKED - TH	REVISED -
PLOT DATE = 2/11/2015	DATE = 2/11/15	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

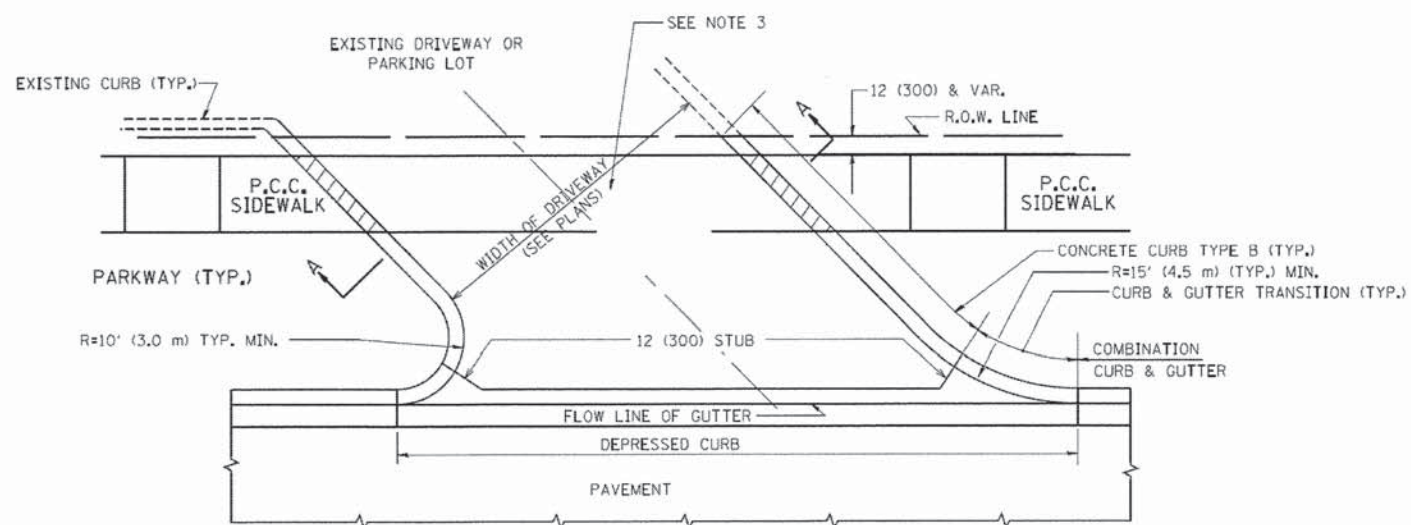
**PETERSEN PARK CROSSWALK DETAILS**

SCALE: 1"=10' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

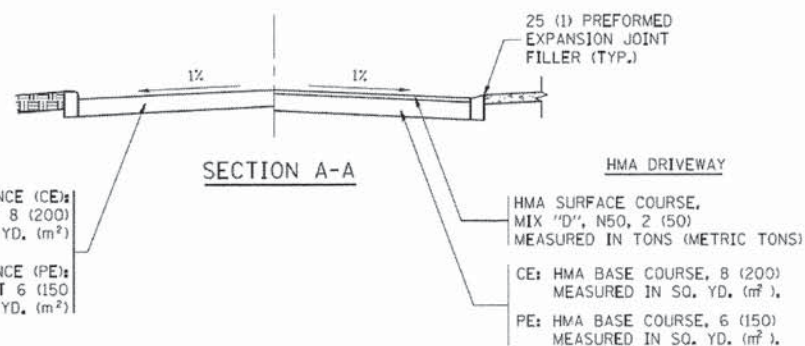
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4085	13-00077-00-RS	MCHENRY	81	54
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	CONTRACT NO. 61A29	



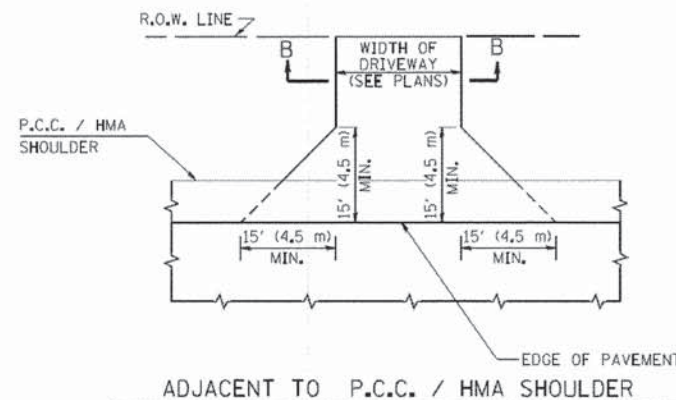
WITH CONCRETE CURB, TYPE B



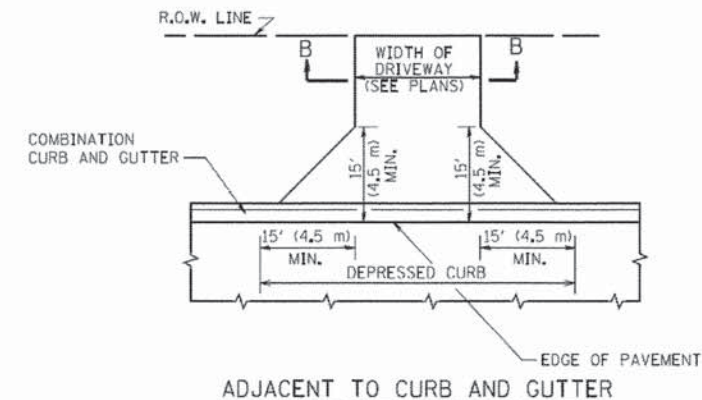
WITH CONCRETE CURB, TYPE B



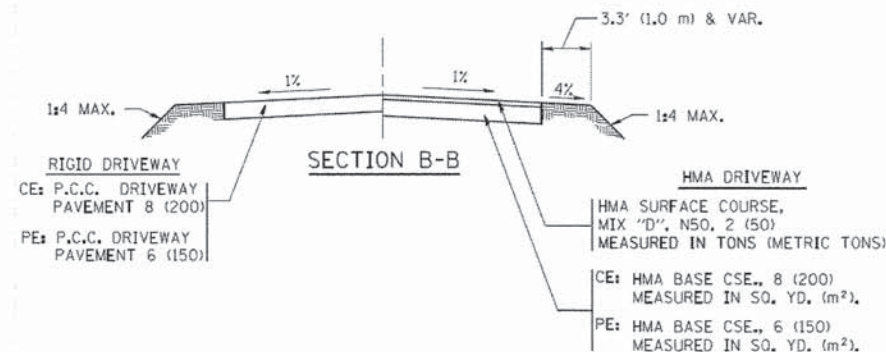
SECTION A-A



ADJACENT TO P.C.C. / HMA SHOULDER



ADJACENT TO CURB AND GUTTER



SECTION B-B

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

GENERAL NOTES:

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

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

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

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

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

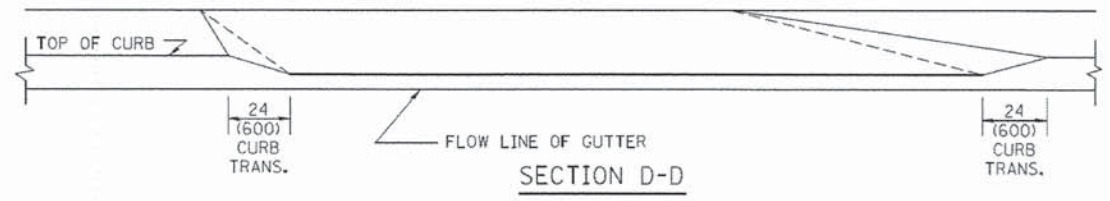
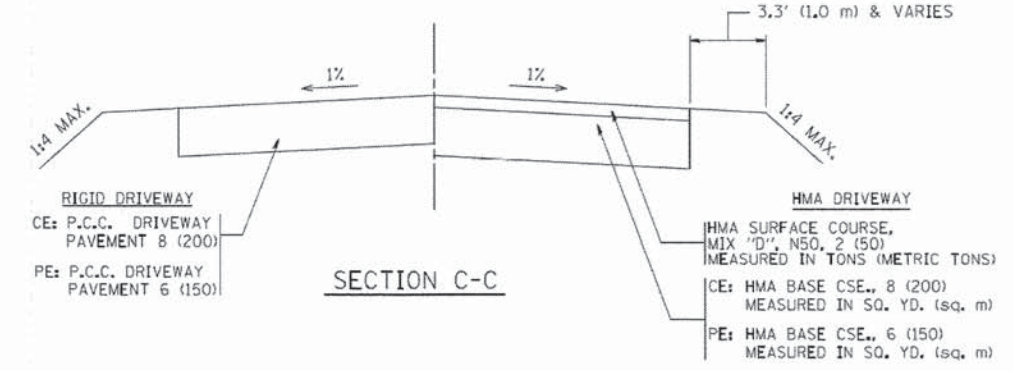
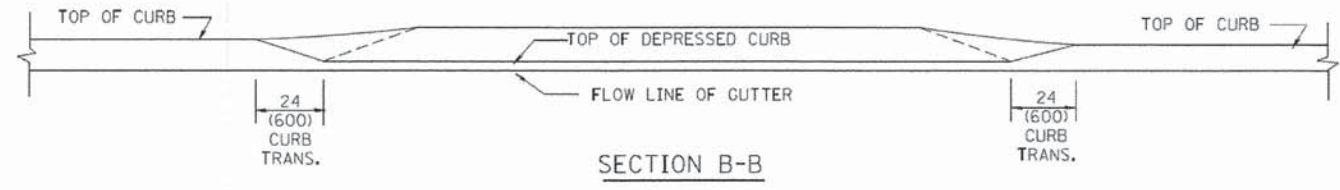
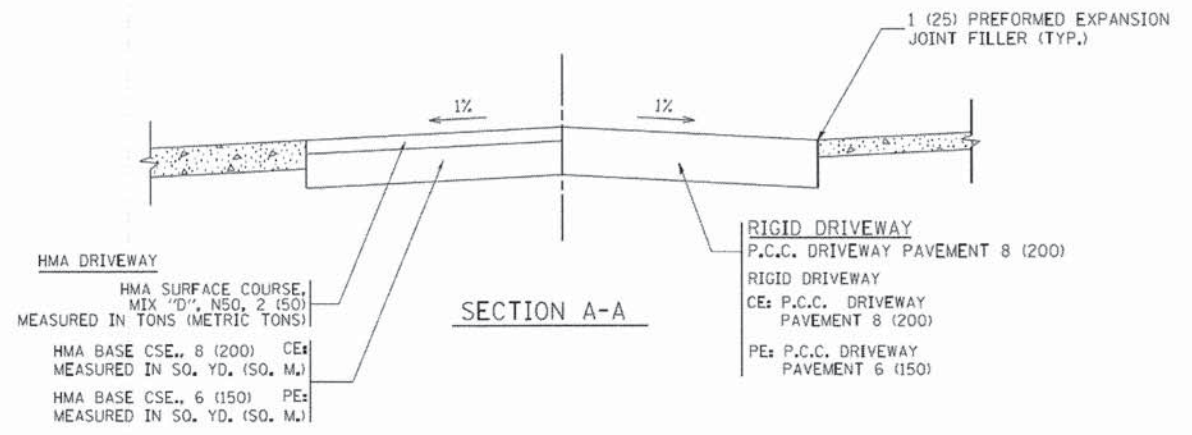
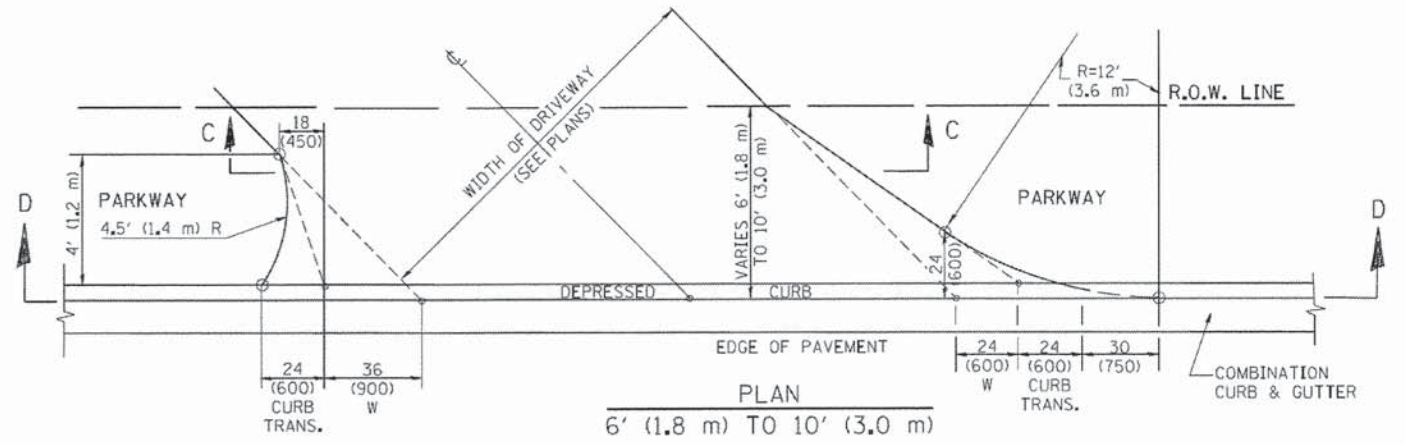
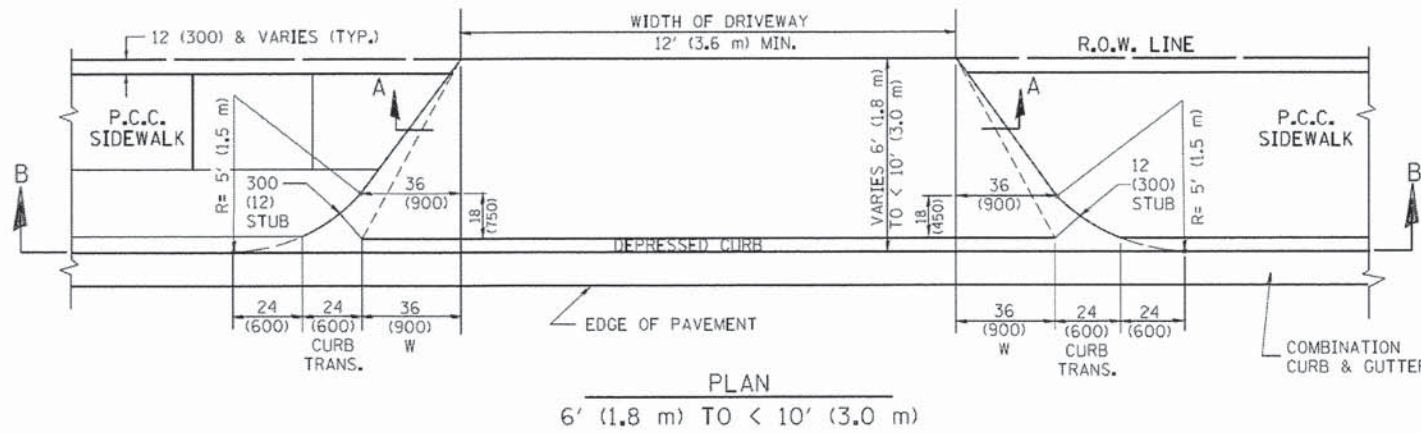
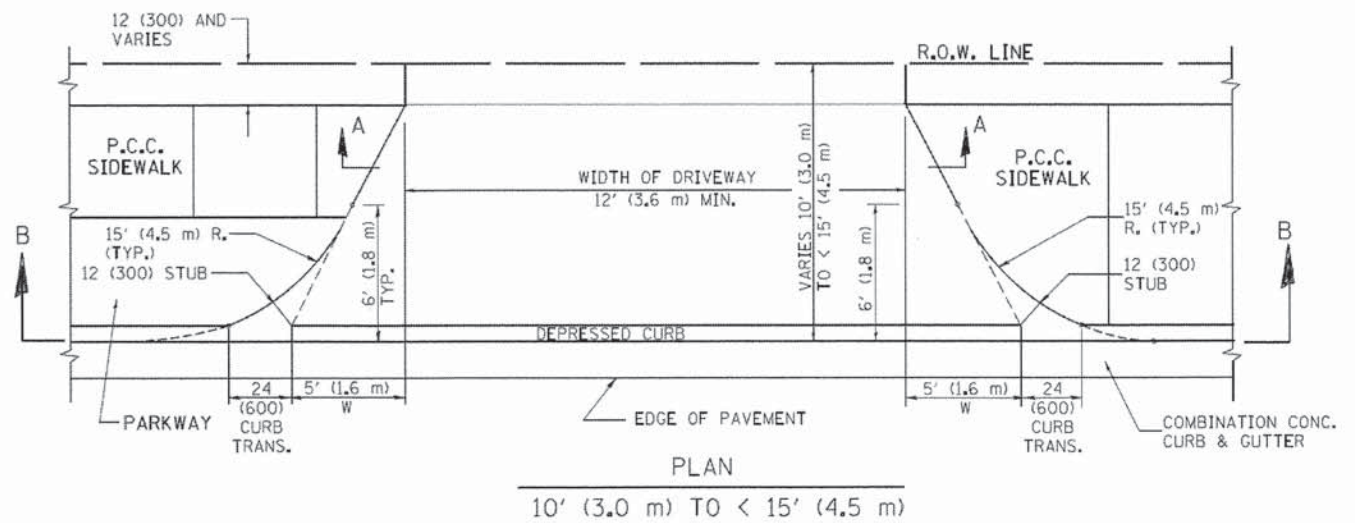
WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

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

FILE NAME =	USER NAME = lsgsa	DESIGNED - R. SHAH	REVISED - P. LOFLUER 04-15-03
os:\pwork\p\p\d\l\lsgsa\dl\18315\bd\1.dgn		DRAWN -	REVISED - R. BORO 01-01-07
		CHECKED -	REVISED - R. BORO 06-11-08
		DATE - 11-04-95	REVISED - R. BORO 09-06-11

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER > = 15' (4.5 m)		F.A.U. RTE. 4085	SECTION 13-00077-00-RS	COUNTY MCHENRY	TOTAL SHEETS 81	SHEET NO. 55
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.		BD0156-07 (BD-01)		CONTRACT NO. 61A29		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT						



**GENERAL NOTES**

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

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

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

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

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

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

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

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

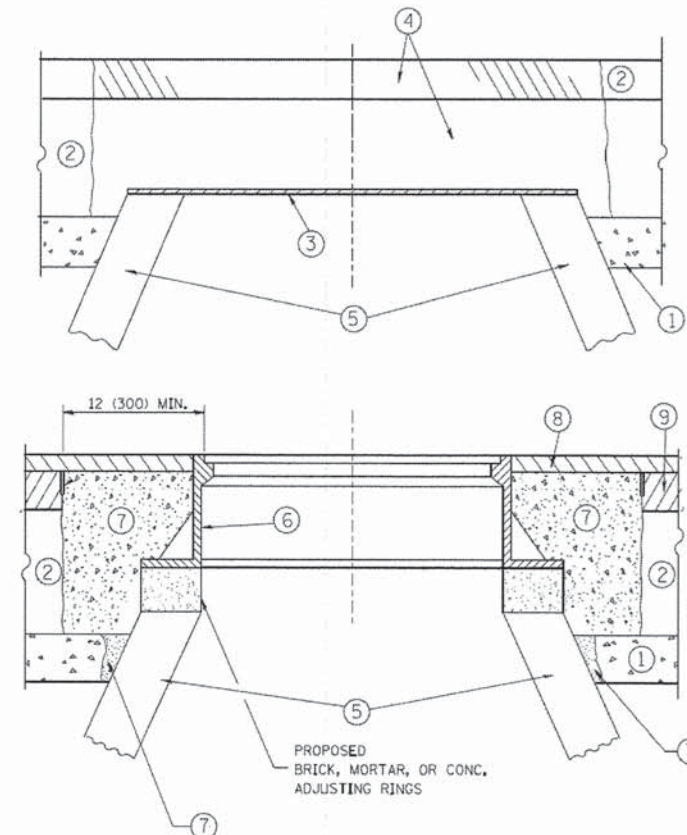
DRIVEWAY DETAILS	
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m)	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4085	13-00077-00-RS	MCHENRY	81	56
BD400-02 (BD-02)			CONTRACT NO. 61A29	
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				

COMPANY NAME: MCHENRY  
PROJECT CONTACT: 11-00077-00-RS  
CLIENT: 131-081-02.dgn  
DATE PLOTTED: 2/10/2015 10:11:33 AM  
FILE NAME: 131-081-02.dgn  
PLOT DRIVER: pdf.plt  
PEN TABLE: standard-trans.tbl

FILE NAME =	USER NAME = leysa	DESIGNED - R. SHAH	REVISED - M. GOMEZ 04-06-01
ex:\pa_work\pawdot\leyna\d0108315\bd02.dgn		DRAWN -	REVISED - P. LaFLEUR 04-15-03
	PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED - R. BORO 01-01-07
	PLOT DATE = 10/28/2011	DATE - 11-06-95	REVISED - R. BORO 09-06-11





**CONSTRUCTION PROCEDURES**

**STAGE 1 (BEFORE PAVEMENT MILLING)**

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1 1/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

**STAGE 2 (AFTER PAVEMENT MILLING)**

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-1\* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

\*UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

**LEGEND**

- ① SUB-BASE GRANULAR MATERIAL
- ② EXISTING PAVEMENT
- ③ 36 (900) DIAMETER METAL PLATE
- ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX
- ⑤ EXISTING STRUCTURE
- ⑥ FRAME AND LID (SEE NOTES)
- ⑦ CLASS PP-1\* CONCRETE
- ⑧ PROPOSED HMA SURFACE COURSE
- ⑨ PROPOSED HMA BINDER COURSE

**LOCATION OF STRUCTURES:**

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

**BASIS OF PAYMENT:**

REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

**NOTES:**

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

**DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING**

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = bauer.d	DESIGNED - R. SHAH	REVISED - R. WIEDEMAN 05-14-04
ea:\p\work\p\dot\baue\d\0088315\bd08.dgn		DRAWN -	REVISED - R. BORO 01-01-07
		CHECKED -	REVISED - R. BORO 03-09-11
		DATE - 10-25-94	REVISED - R. BORO 12-06-11

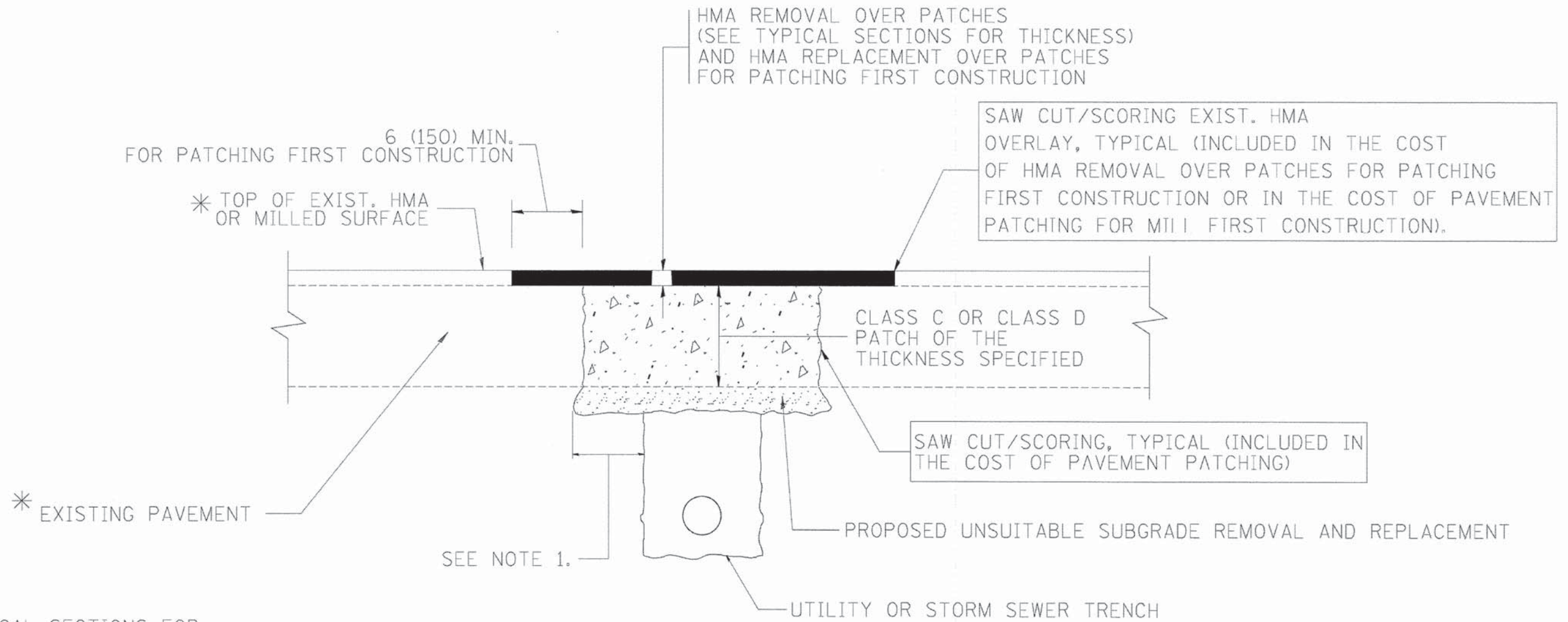
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETAILS FOR  
FRAMES AND LIDS ADJUSTMENT WITH MILLING**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4085	13-00077-00-RS	MCHENRY	81	57
BD600-03 (BD-8)			CONTRACT NO. 61A29	
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

COMPANY NAME:  
PROJECT CONTACT:  
DATE PLOTTED: 2/10/2015 11:25:33 AM  
FILE NAME: 157-001-03.dgn  
PLOT DRIVER: pdflat  
PEN TABLE: standard-trans.tbl  
MOENBY 15-00077-00-RS 157-001-03.dgn



\* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

**NOTES:**

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

**SEQUENCE OF CONSTRUCTION (PATCHING FIRST)**

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

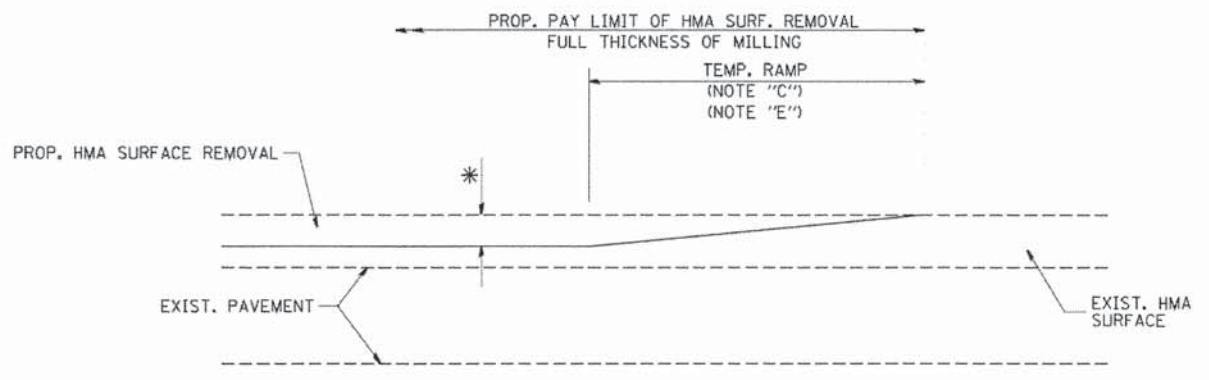
**SEQUENCE OF CONSTRUCTION (MILLING FIRST)**

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

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

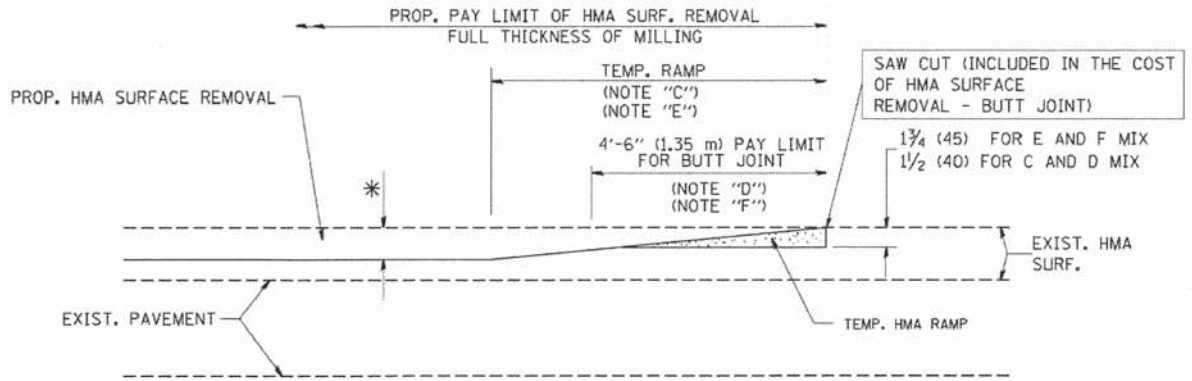
COMPANY NAME: HENRY  
PROJECT CONTACT: 7-041-04.dgn  
DATE PLOTTED: 2/10/2015 11:35:54 AM  
FILE NAME: 157-061-04.dgn  
PLOT DRIVER: pdr.drv  
PLOT TABLE: sfondor-g-trns.tbl

FILE NAME = c:\projects\dststd22x34\bd22.dgn	USER NAME = beurd1	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT</b>			F.A.U. RTE. 4085	SECTION 13-00077-00-RS	COUNTY MCHENRY	TOTAL SHEETS 81	SHEET NO. 58
PLDT SCALE = 50.000 / IN.	CHECKED -	REVISOR - R. BORO 01-01-07	REVISOR - R. BORO 09-04-07		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	<b>BD400-04 (BD-22)</b>		CONTRACT NO. 61A29		
PLDT DATE = 10/27/2008	DATE - 10-25-94	REVISOR - K. ENG 10-27-08			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							



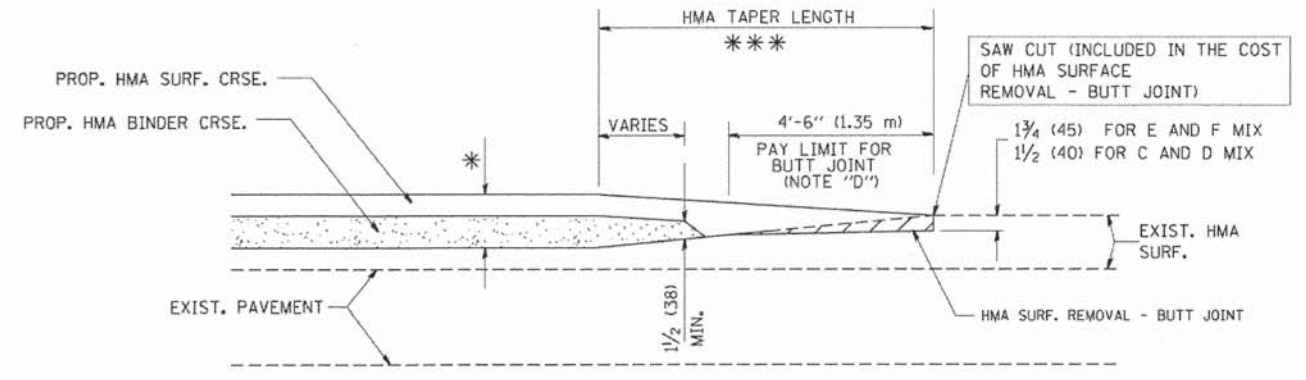
MILLED TEMPORARY RAMP  
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

**OPTION 1**

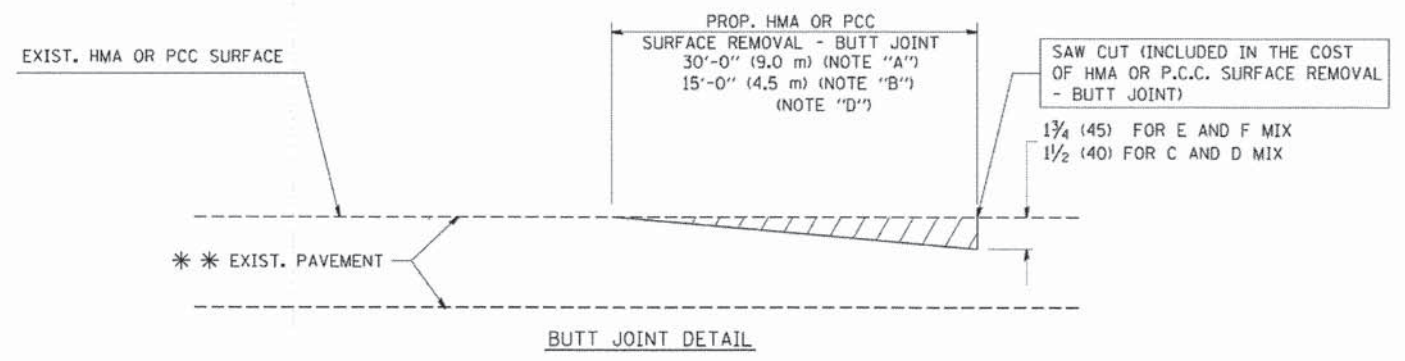


HMA CONSTRUCTED TEMPORARY RAMP  
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

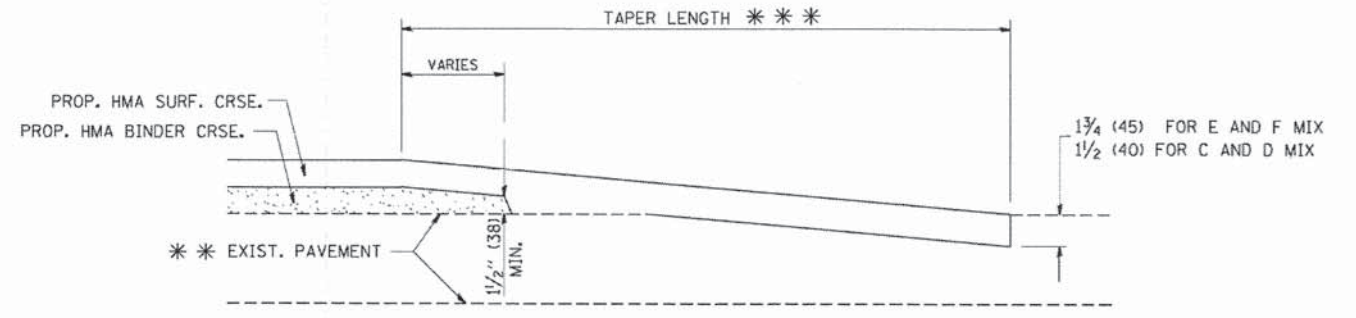
**OPTION 2**  
**TYPICAL TEMPORARY RAMP**



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



BUTT JOINT DETAIL



HMA TAPER DETAIL

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

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

**NOTES**

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

**BASIS OF PAYMENT:**

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

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

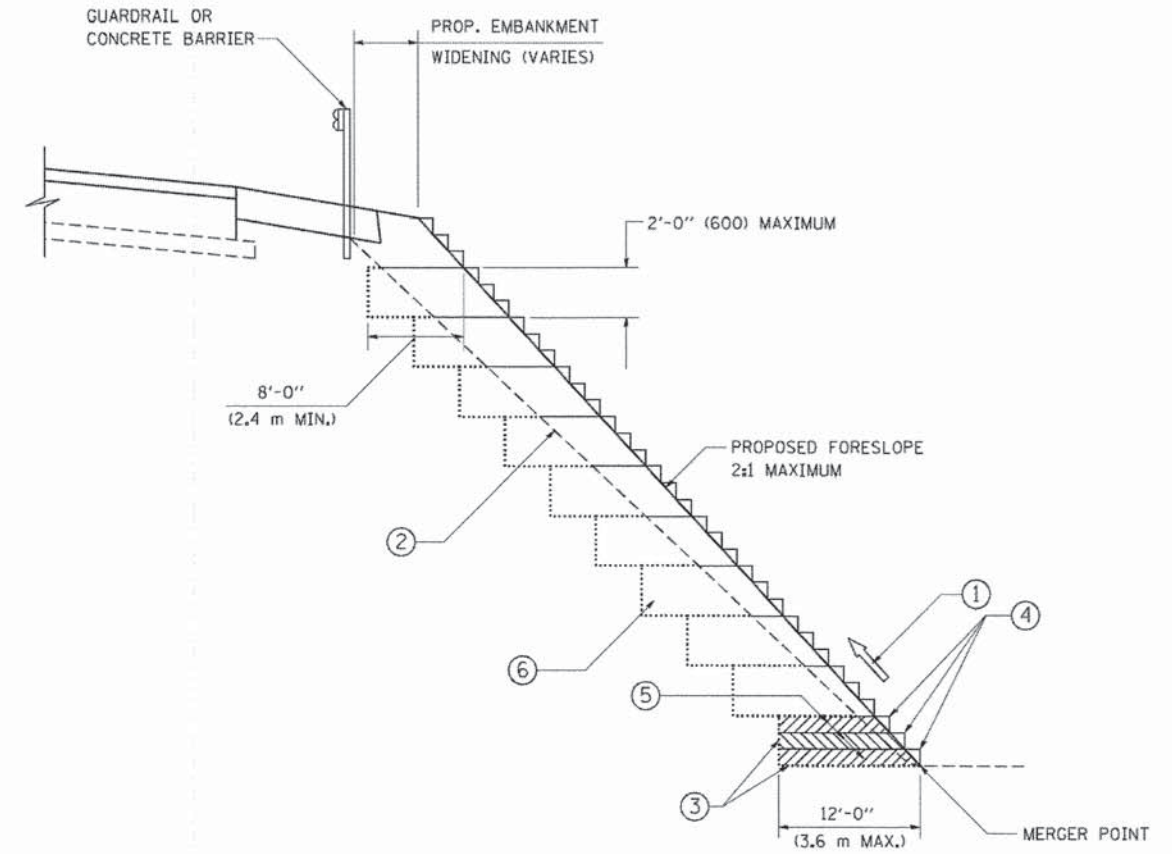
COMPANY NAME: 2/10/2015 11:44:52 AM  
 PROJECT CONTACT: 157-061-05.dgn  
 CLIENT: 157-061-05.dgn  
 DATE PLOTTED: 2/10/2015 11:44:52 AM  
 FILE NAME: 157-061-05.dgn  
 PLOT DRIVER: pdfplot  
 PEN TABLE: standard-trans.tbl

FILE NAME =	USER NAME = gogljzenobt	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
W:\d\state\22\34\bd32.dgn		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>BUTT JOINT AND HMA TAPER DETAILS</b>	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4085	13-00077-00-RS	MCHENRY	81	59
<b>BD400-05 BD32</b>		CONTRACT NO.	61A29	
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT				



**TYPICAL BENCHING DETAIL  
FOR EMBANKMENT**

**NOTES:**

- ① CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
- ② EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
- ③ BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
- ④ TRIM TO FINAL SLOPE.
- ⑤ EQUAL 8-INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.
- ⑥ EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ⑦ SLOPES SHALL BE BENCHED ACCORDING TO THIS DETAIL WHEN THE SLOPE IS STEEPER THAN 4:1 AND THE HEIGHT IS GREATER THAN 5' (1.5 m).

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

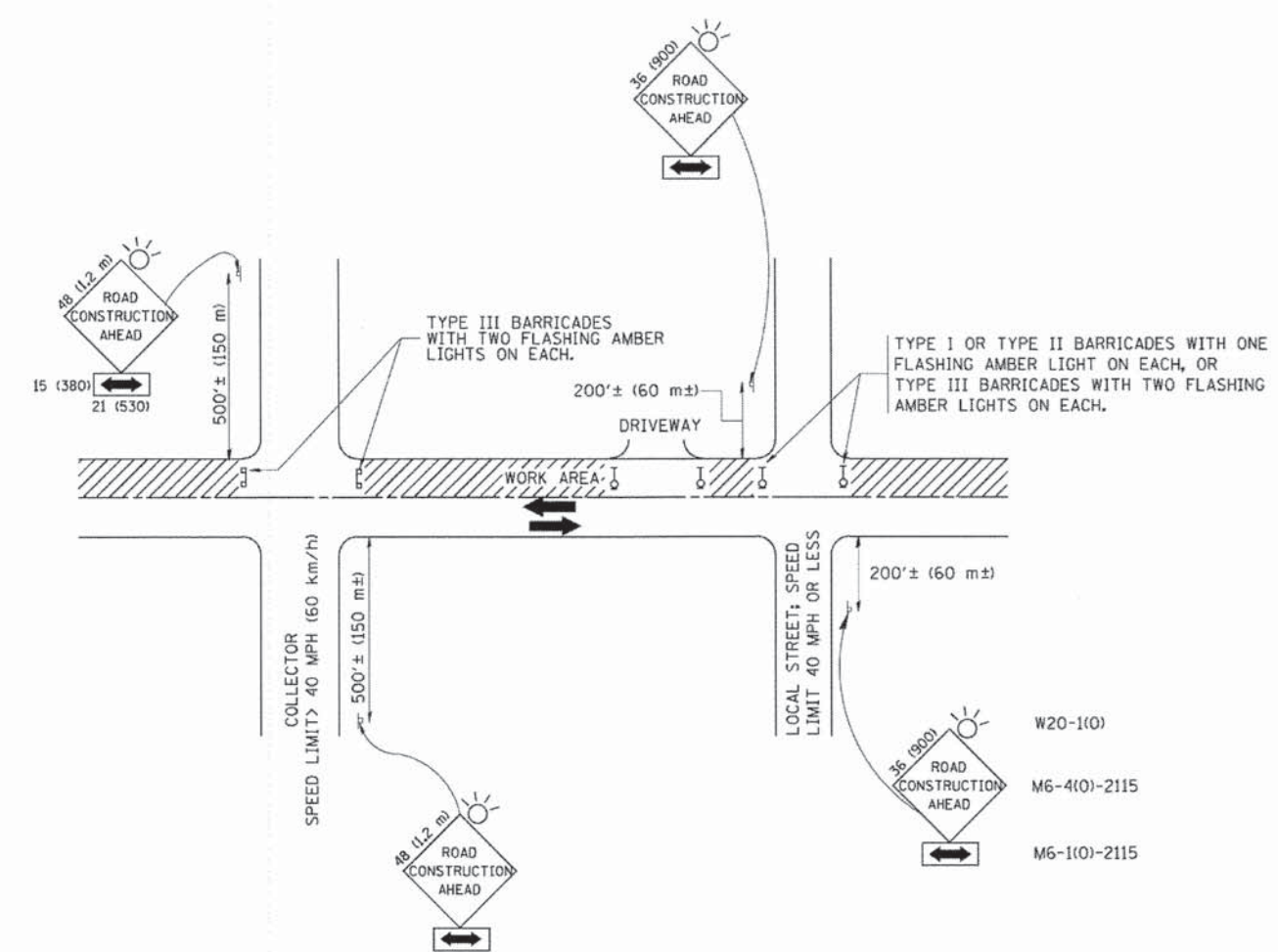
COMPANY NAME:  
PROJECT CONTACT:  
CLIENT:  
DATE PLOTTED:  
FILE NAME:  
PLOT DATE:  
PLOT SCALE:

FILE NAME =	USER NAME = gogliano	DESIGNED -	REVISED -
W:\diststd\22x34\bd51.dgn		DRAWN - CADD	REVISED -
		CHECKED - S.E.B.	REVISED -
		DATE - 06-16-04	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>BENCHING DETAIL FOR EMBANKMENT WIDENING</b>			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4085	13-00077-00-RS	MCHENRY	81	60
<b>BD-51</b>			<b>CONTRACT NO. 61A29</b>	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
  1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
    - a) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
    - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
  2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
    - a) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
    - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
  3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:
 

USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

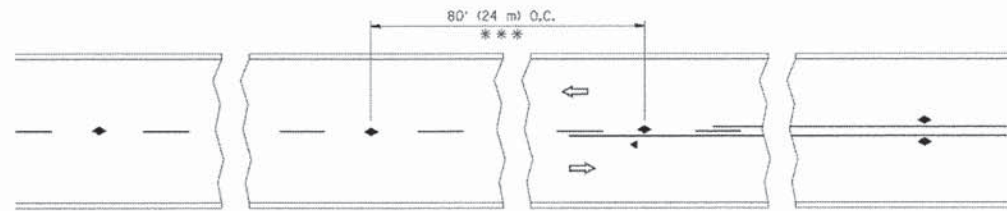
COMPANY NAME: MCHENRY  
 PROJECT CONTACT: 157-0017-00-RS  
 CLIENT: 157-0017-00-RS  
 DATE PLOTTED: 2/10/2015 11:06:44 AM  
 FILE NAME: 157-0017-00-RS.dgn  
 PLOT DRIVER: pdf.plt  
 PEN TABLE: standard-traffic.tbl

FILE NAME =	USER NAME = gagl:anobt	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95
M:\dststd\22x34\to18.dgn		DRAWN -	REVISED - A. HOUSEH 03-06-96
		CHECKED -	REVISED - A. HOUSEH 10-15-96
		DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

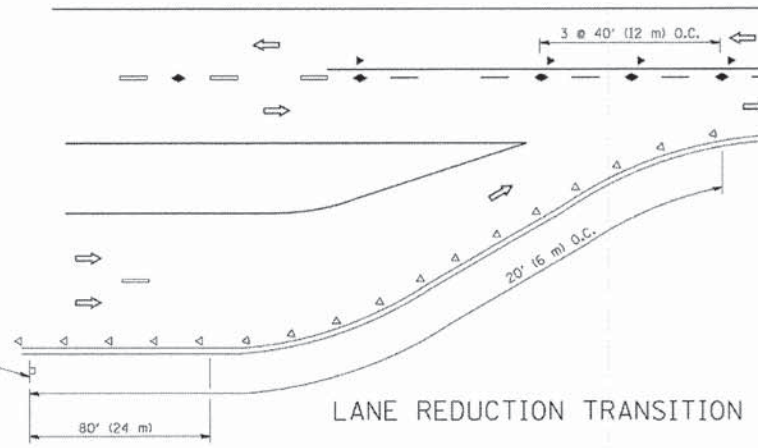
TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4085	13-00077-00-RS	MCHENRY	81	61
TC-10			CONTRACT NO. 61A29	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

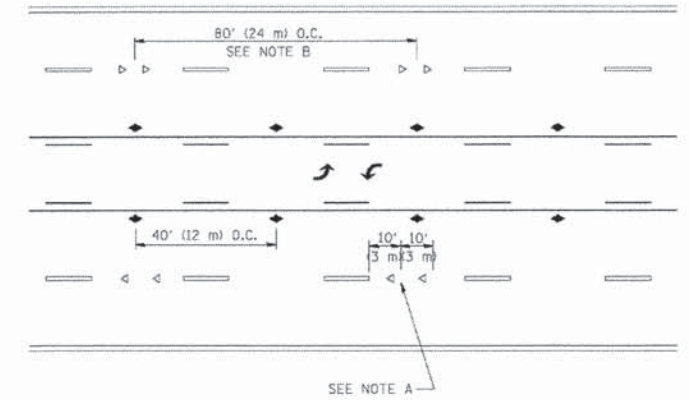


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

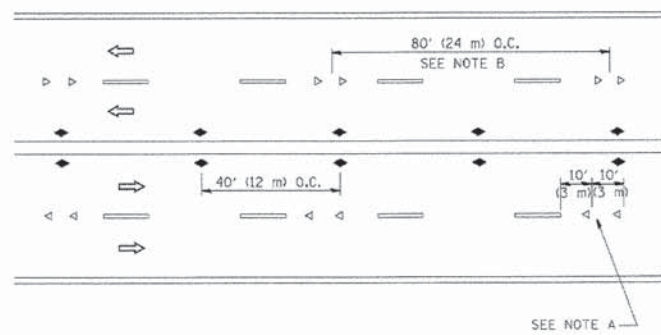
TWO-LANE/TWO-WAY



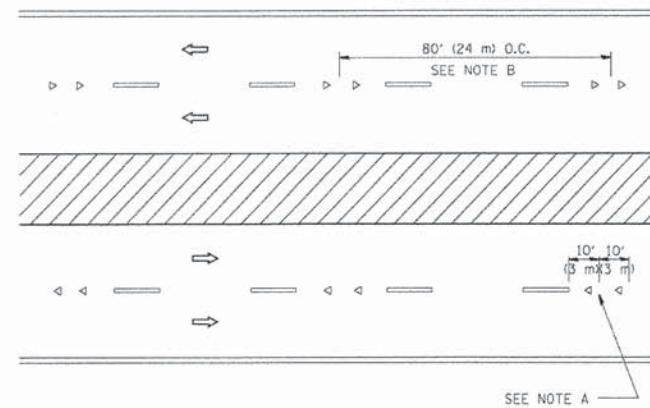
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

SYMBOLS

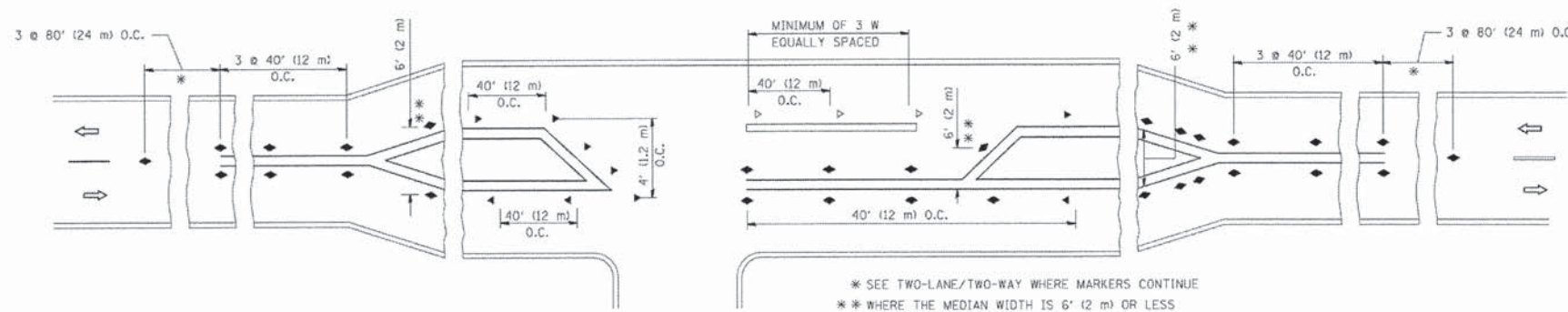
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



LEFT TURN

\* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE  
 \*\* WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

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

COMPANY NAME: CH2M HILL  
 PROJECT CONTACT: CH2M HILL  
 DATE PLOTTED: 2/10/2015 10:17:46 AM  
 CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION  
 FILE NAME: 151-091-06.dgn  
 PLOT DRIVER: pdfplot  
 PEN TABLE: standard-trans.tbl

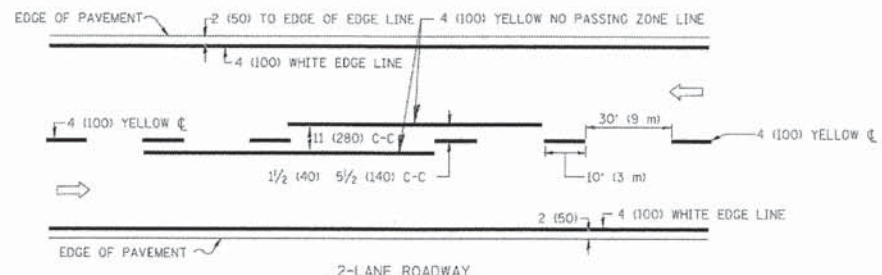
FILE NAME =	USER NAME = lryse	DESIGNED -	REVISED - T. RAMMACHER 09-19-94
cs:\pw\work\p10101\151-091-06.dgn		DRAWN -	REVISED - T. RAMMACHER 03-12-99
	PLOT SCALE = 58.980" / IN.	CHECKED -	REVISED - T. RAMMACHER 01-06-00
	PLOT DATE = 3/2/2011	DATE -	REVISED - C. JUCIUS 09-09-09

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

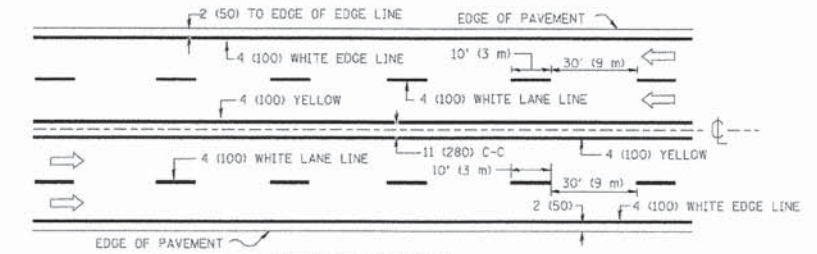
TYPICAL APPLICATIONS  
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

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

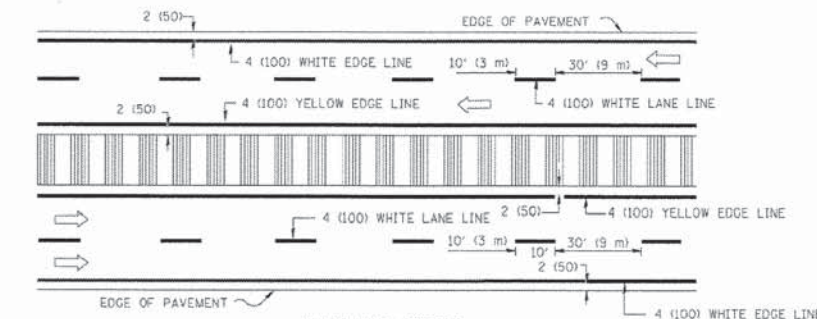
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4085	13-00077-00-RS	MCHENRY	81	62
TC-11			CONTRACT NO. 61A29	
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				



2-LANE ROADWAY



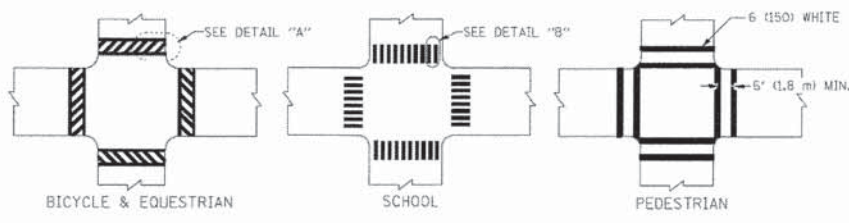
MULTI-LANE UNDIVIDED



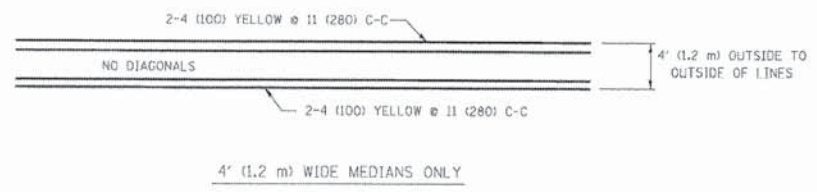
MULTI-LANE DIVIDED WITH MOUNTABLE MEDIAN

NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

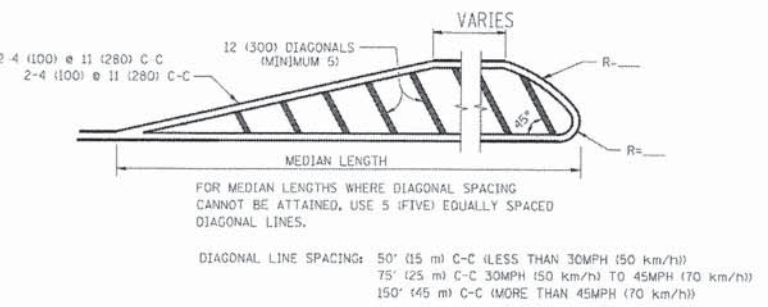
TYPICAL LANE AND EDGE LINE MARKING



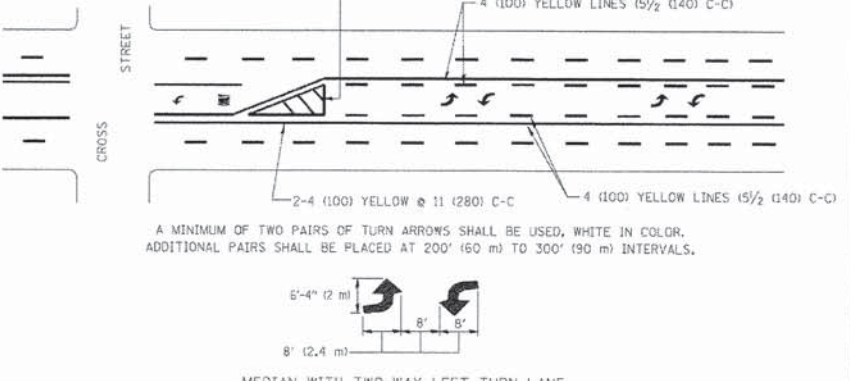
TYPICAL CROSSWALK MARKING



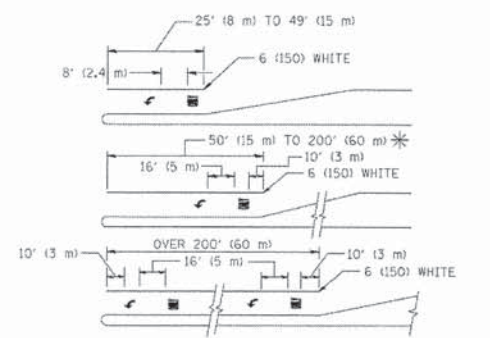
4' (1.2 m) WIDE MEDIANS ONLY



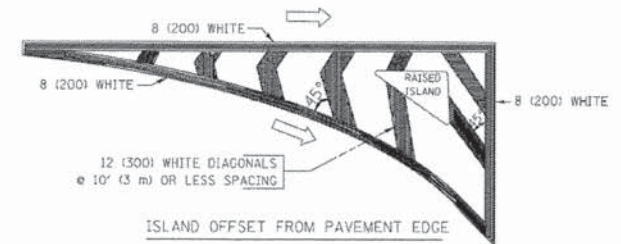
MEDIANS OVER 4' (1.2 m) WIDE



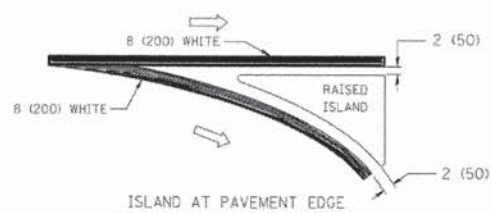
TYPICAL PAINTED MEDIAN MARKING



TYPICAL TURN LANE MARKING



ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION	4 (100)	SOLID	YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE
NO PASSING ZONE LINES: FOR BOTH DIRECTIONS	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100)	SKIP-DASH	WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
LANE LINES	5 (125) ON FREEWAYS	SKIP-DASH	WHITE	
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION	SKIP-DASH AND SOLID	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE
TWO WAY LEFT TURN MARKING	8' (2.4m) LEFT ARROW	IN PAIRS	WHITE	SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN)	2 @ 6 (150)	SOLID	WHITE	NOT LESS THAN 6' (1.8 m) APART
CROSSWALK LINES (PEDESTRIAN)	12 (300) @ 45°	SOLID	WHITE	2' (600) APART
CROSSWALK LINES (PEDESTRIAN)	12 (300) @ 90°	SOLID	WHITE	2' (600) APART
CROSSWALK LINES (BIKE & EQUESTRIAN)	2 @ 6 (150)	SOLID	WHITE	SEE TYPICAL CROSSWALK MARKING DETAILS.
CROSSWALK LINES (BIKE & EQUESTRIAN)	12 (300) @ 45°	SOLID	WHITE	
CROSSWALK LINES (BIKE & EQUESTRIAN)	12 (300) @ 90°	SOLID	WHITE	
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45°	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
PAINTED MEDIANS	NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS			
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C (30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" 15' (4.5 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"-3.6 SQ. FT. (0.33 m²) EACH "X"-54.0 SQ. FT. (5.0 m²)
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

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

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

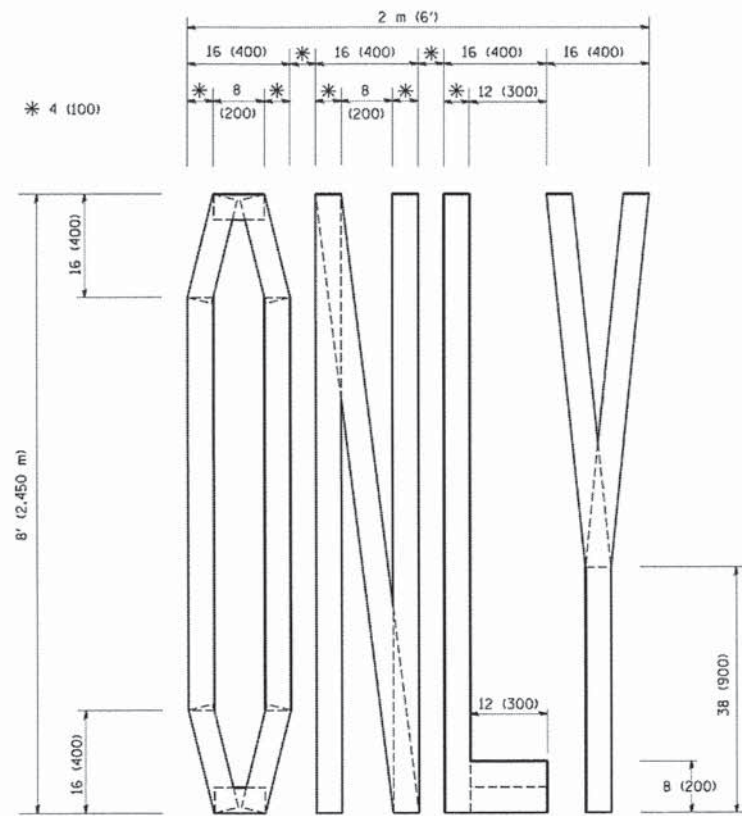
COMPANY NAME: CHERRY  
 PROJECT CONTACT: 3-00077-00-85  
 DATE PLOTTED: 2/10/2015 11:08:50 AM  
 FILE NAME: 157-081-09.dgn  
 PLOT DRIVER: pdf.plt  
 PEN TABLE: standard.ctb-trans.tbl

FILE NAME =	USER NAME = drivakosgn	DESIGNED - EVERS	REVISED - T. RAMMACHER 10-27-94
os:\pwork\pwidot\drivakosgn\d0189315\to3.dgn		DRAWN -	REVISED - C. JUCIUS 09-09-09
	PLOT SCALE = 58.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 9/9/2009	DATE - 03-19-90	REVISED -

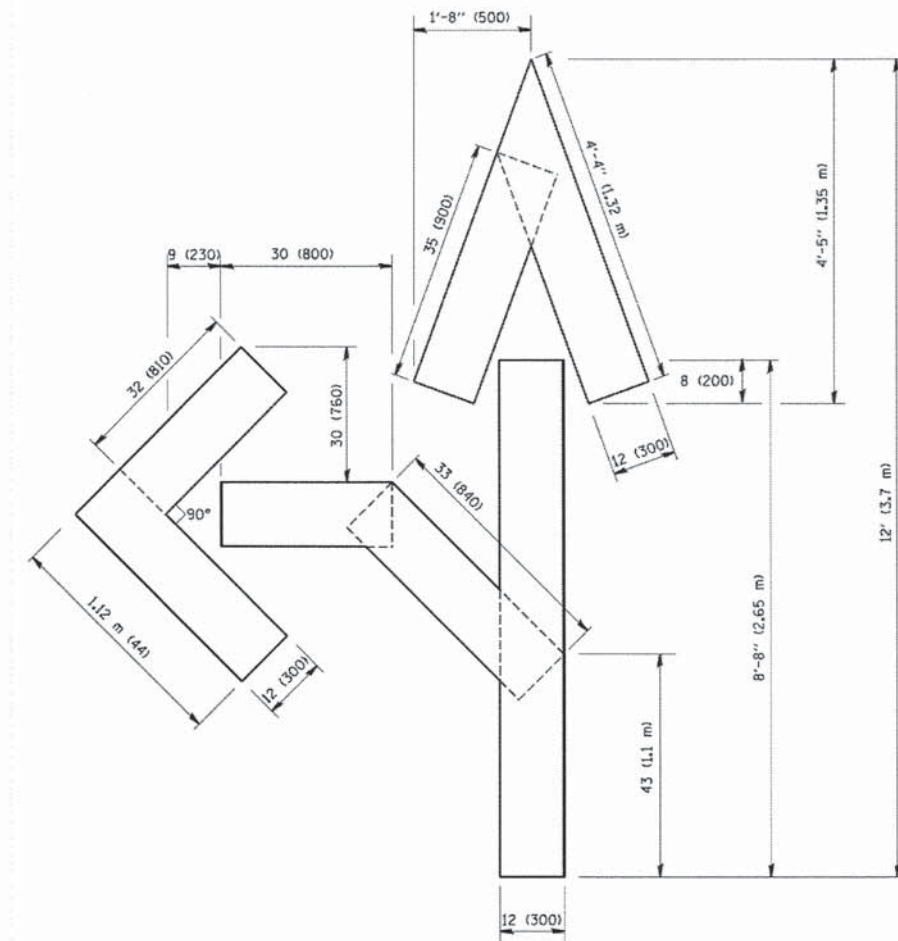
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

DISTRICT ONE  
 TYPICAL PAVEMENT MARKINGS

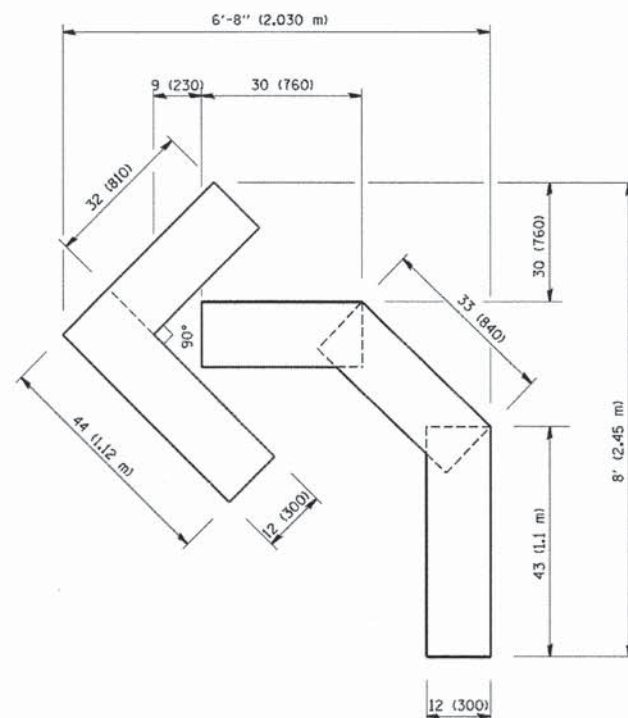
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	F.A.U. R.T.E. 4085	SECTION 13-0077-00-RS	COUNTY MCHENRY	TOTAL SHEETS 81	SHEET NO. 63
				TC-13		CONTRACT NO. 61A29		
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT								



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



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



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

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

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

FILE NAME =  
 W:\diststd\22x34\tol6.dgn

USER NAME = gegl:emobt  
 DESIGNED -  
 DRAWN -  
 PLOT SCALE = 50.0000 X 1 IN.  
 CHECKED -  
 PLOT DATE = 1/4/2006

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE = 09-18-94

REVISED -T. RAMMACHER 06-05-96  
 REVISED -T. RAMMACHER 11-04-97  
 REVISED -T. RAMMACHER 03-02-98  
 REVISED -E. GOMEZ 08-28-00

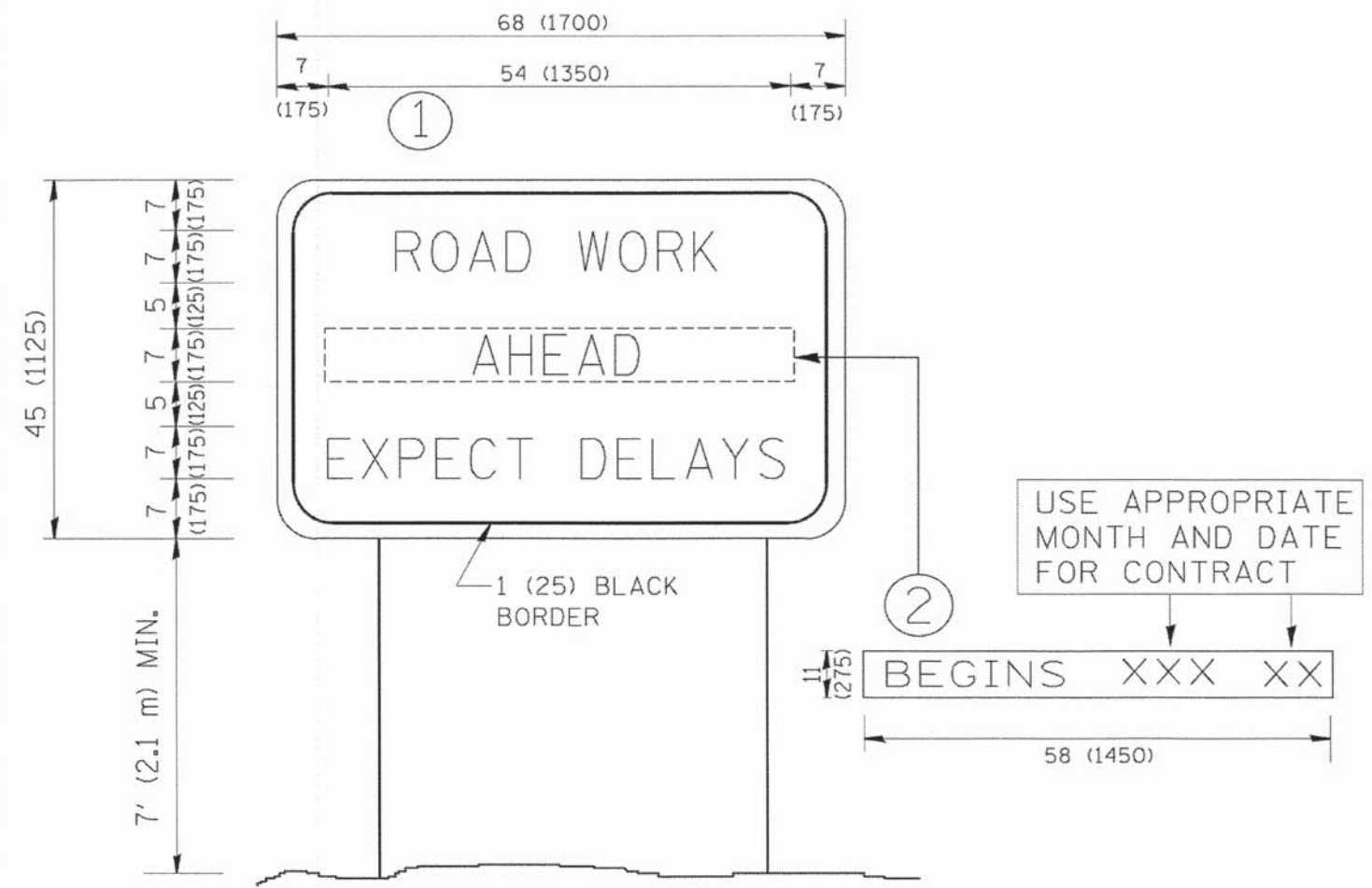
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING LETTERS AND SYMBOLS  
 FOR TRAFFIC STAGING

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4085	13-00077-00-RS	MCHENRY	81	64
<b>TC-16</b>		CONTRACT NO.	61A29	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				





**NOTES:**

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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

COMPANY NAME: MCHENRY  
 PROJECT CONTACT: 15-00077-00-RS  
 CLIENT: 15-091-1L.dgn  
 DATE PLOTTED: 2/10/2015 11:21:32 AM  
 PLOT NUMBER: 15-091-1L.dgn  
 PEN TABLE: standard-trans.tbl

FILE NAME =	USER NAME = gaglianob	DESIGNED -	REVISED - R. MIRS 09-15-97
W:\dvs\std\22x34\to22.dgn		DRAWN -	REVISED - R. MIRS 12-11-97
		CHECKED -	REVISED - T. RAMMACHER 02-02-99
		DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD  
 INFORMATION SIGN**

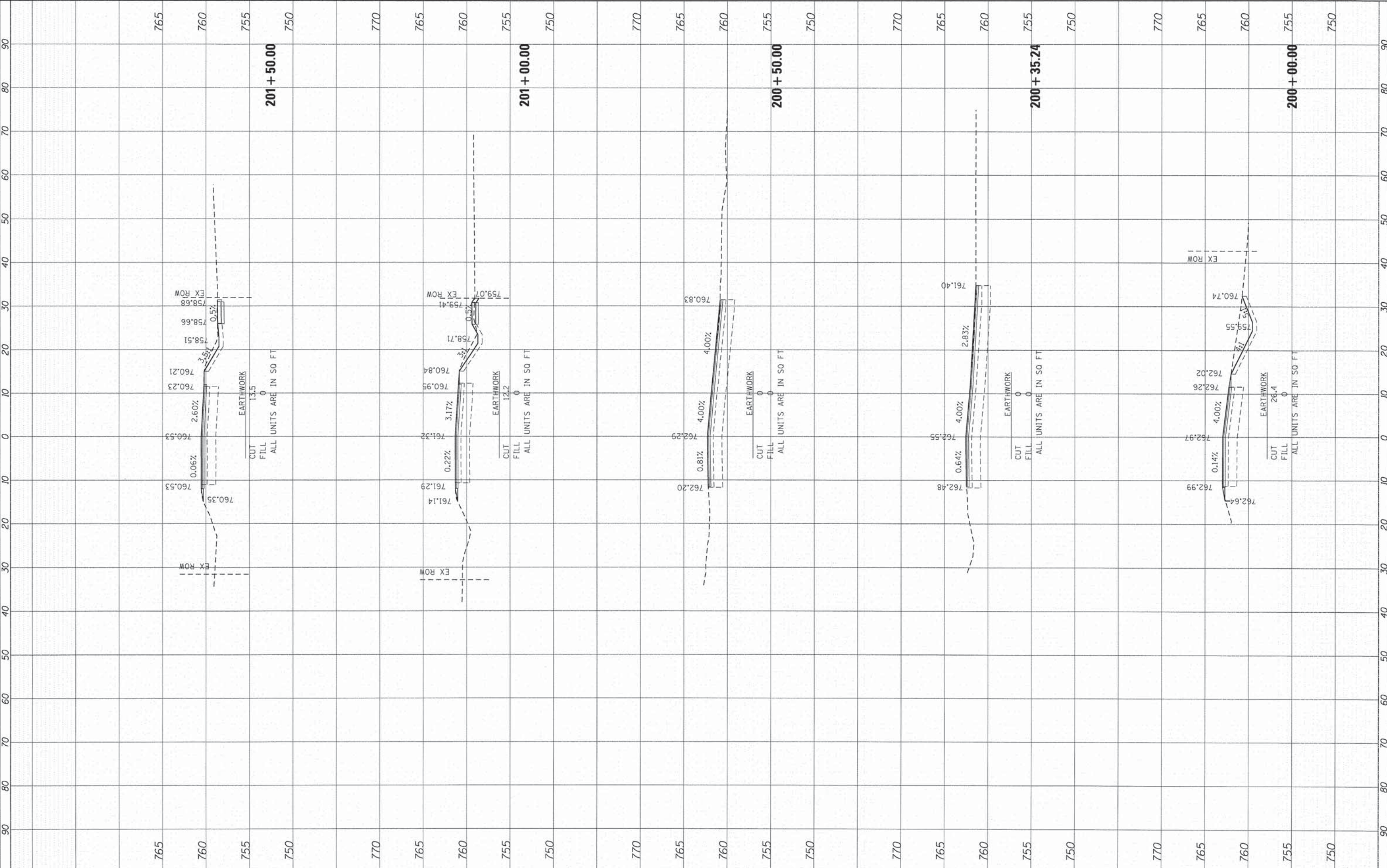
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4085	13-00077-00-RS	MCHENRY	81	65
TC-22		CONTRACT NO.	61A29	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

FINL	SURVED	BY	DATE
SURVY	PLOTTD		
NOTE	TEMP		
AREAS	AREAS		
CHECKD	CHECKD		

ORIGINAL	SURVED	BY	DATE
SURVY	PLOTTD		
NOTE	TEMP		
AREAS	AREAS		
CHECKD	CHECKD		

COMPANY NAME: HRGreen  
 PROJECT CONTACT: HRGreen.com  
 CLIENT: 2/10/2015 11:26:34 AM  
 DATE PLOTTED: 11/16/2015 10:00:00 AM  
 PLOT DRIVER: s:\temp\cd-trans.tbl



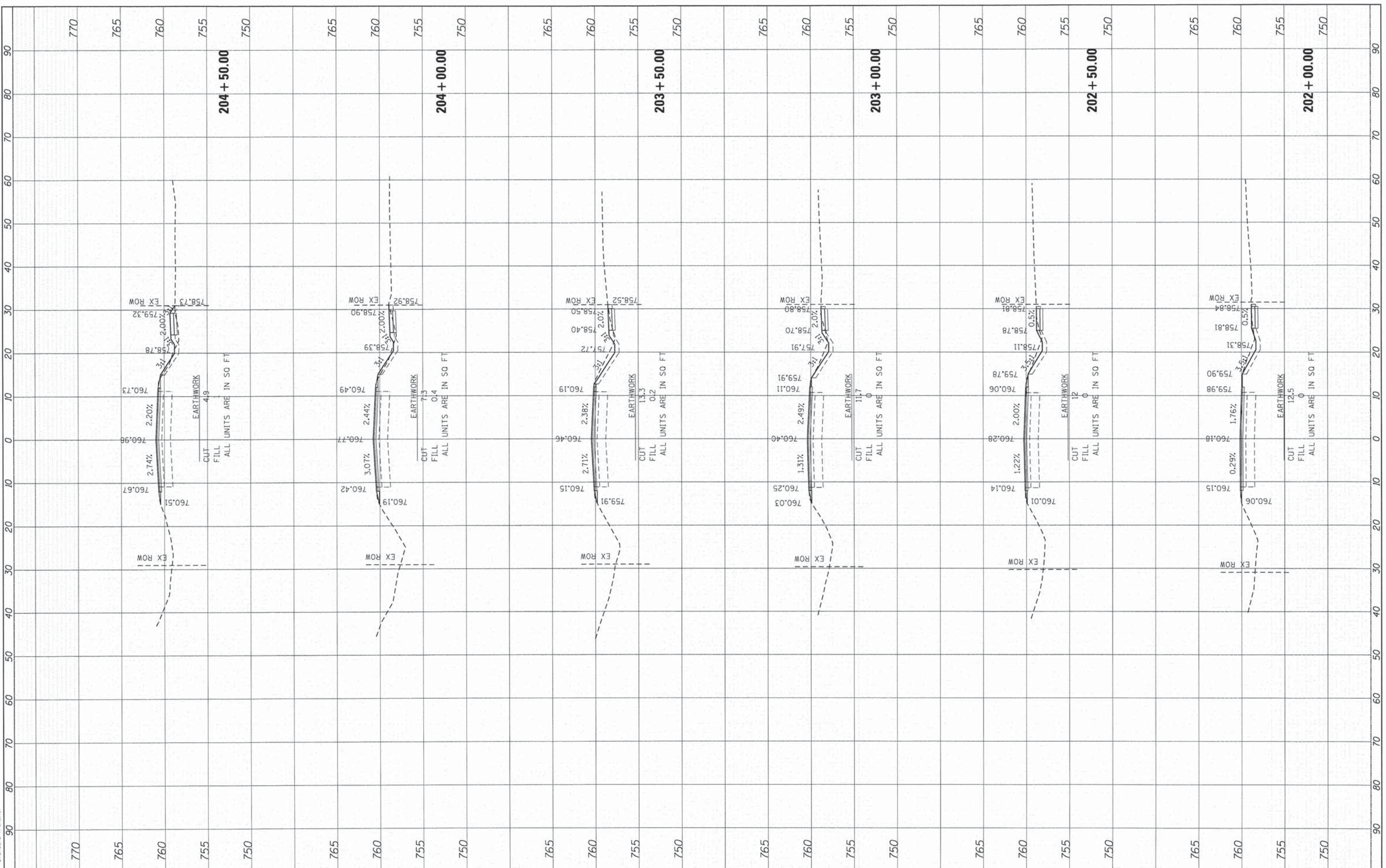
HRGreen.com Illinois Professional Design Firm # 184-001322	USER NAME = dstanz DESIGNED - JS DRAWN - TAY CHECKED - TH DATE - 2/10/15	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS</b> <b>MCCULLOM LAKE ROAD</b>	F.A. RTE. 4085 SECTION 13-00077-00-RS COUNTY MCHENRY CONTRACT NO. 61A29 [ILLINOIS] FED. AID PROJECT M-4003 (371)	TOTAL SHEETS 81 SHEET NO. 66
--	--	--	---	--	--	---------------------------------

SCALE: 1"=10' SHEET 1 OF 16 SHEETS STA. 200+00.00 TO STA. 201+50.00

FINAL SURVEY	BY	DATE
SURVEY		
NOTE BOOK		
AREAS CHECKED		
NO.		

ORIGINAL SURVEY	BY	DATE
PLOTTED		
NOTE BOOK		
AREAS CHECKED		
NO.		

COMPANY NAME: HRGreen  
 PROJECT CONTACT: HRGreen.com  
 CLIENT: 2/10/2015 11:24:39 AM  
 DATE PLOTTED: 157-x69c.mccullom.dgn  
 FILE NAME: pcf.dgn  
 PLOT DRIVER: standard-trns.tst

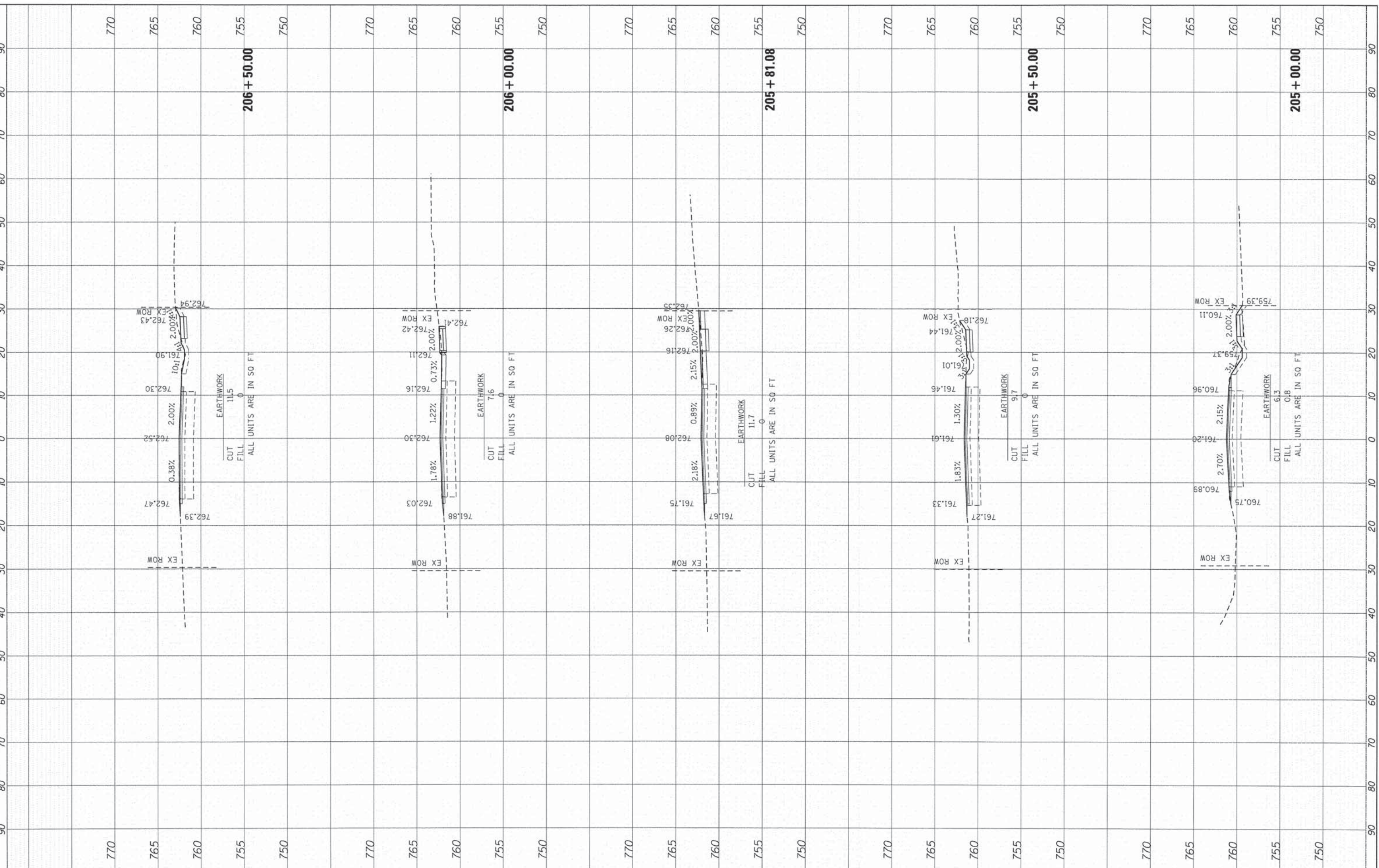


HRGreen.com Illinois Professional Design Firm #184-001322	USER NAME = dstanoz DESIGNED - JS DRAWN - TAY CHECKED - TH DATE - 2/10/15	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS</b> <b>MCCULLOM LAKE ROAD</b>	SCALE: 1"=10' SHEET 2 OF 16 SHEETS STA. 202+00.00 TO STA. 204+50.00	F.A. RTE. 4085 SECTION 13-00077-00-RS COUNTY MCHENRY CONTRACT NO. 61A29 ILLINOIS FED. AID PROJECT M-4003 (371)	TOTAL SHEETS 81 SHEET NO. 67
---	---	--	---	--	---	--	---------------------------------

FINAL SURVEY	BY	DATE
PLOTTED		
NOTE BOOK NO.		
AREAS CHECKED		

ORIGINAL SURVEY	BY	DATE
PLOTTED		
NOTE BOOK NO.		
AREAS CHECKED		

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



USER NAME = dstonoz
DESIGNED - JS
DRAWN - TAY
CHECKED - TH
DATE - 2/10/15
REVISIONS
REVISIONS
REVISIONS
REVISIONS

DESIGNED - JS	REVISIONS
DRAWN - TAY	REVISIONS
CHECKED - TH	REVISIONS
DATE - 2/10/15	REVISIONS

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

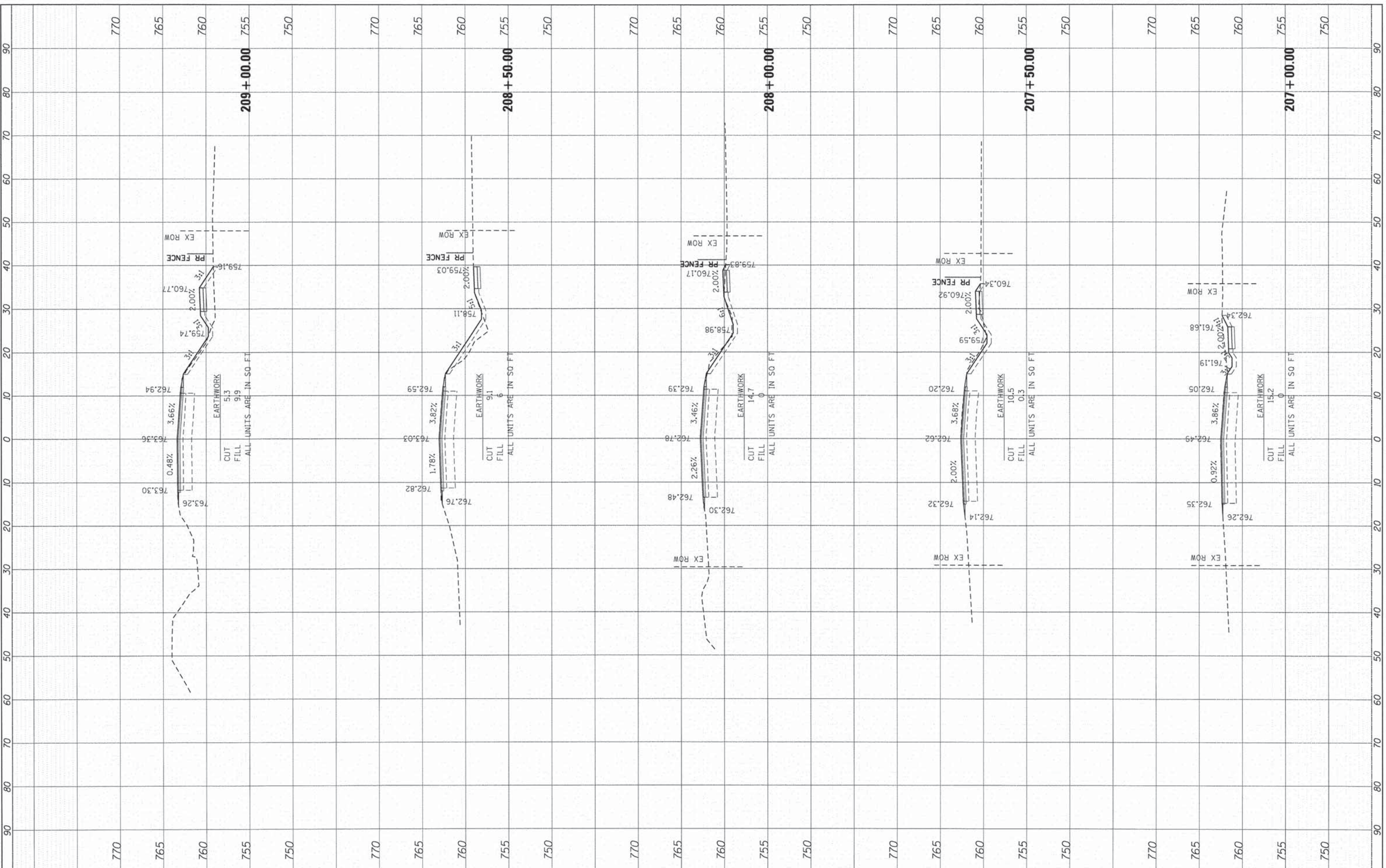
CROSS SECTIONS  
 MCCULLOM LAKE ROAD  
 SCALE: 1"=10'  
 SHEET 3 OF 16 SHEETS  
 STA. 205+00.00 TO STA. 206+50.00

F.A. RTE. 4085	SECTION 13-00077-00-RS	COUNTY MCHENRY	TOTAL SHEETS 81	SHEET NO. 68
CONTRACT NO. 61A29				ILLINOIS FED. AID PROJECT M-4003 (371)

FINAL	DATE
SURVEY	BY
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

ORIGINAL	DATE
SURVEY	BY
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

COMPANY NAME: HRGreen.com  
 CLIENT: 2/10/2015 11:24:51 AM  
 DATE PLOTTED: 157-asrc-mccullom.dgn  
 FILE NAME: pdr.dwg  
 PLOT DRIVER: sstandard-trons.tbl



HRGreen.com	Illinois Professional Design Firm	# 184-001322
USER NAME = dstanoz	DESIGNED - JS	REVISED -
PLOT SCALE = 1"=10'	DRAWN - TAY	REVISED -
PLOT DATE = 2/18/2015	CHECKED - TH	REVISED -
	DATE - 2/10/15	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
MCCULLOM LAKE ROAD**

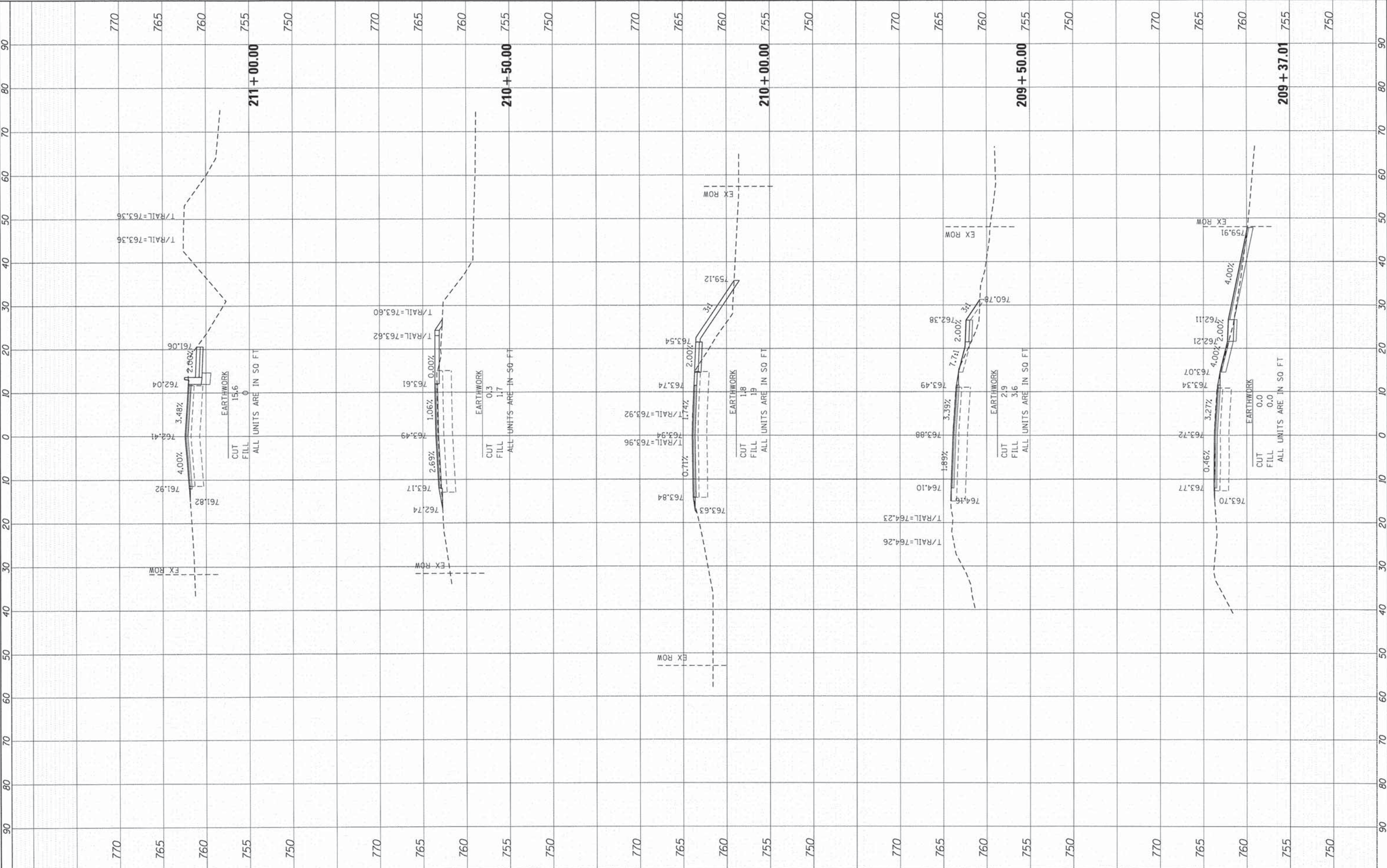
SCALE: 1"=10' SHEET 4 OF 16 SHEETS STA. 207+00.00 TO STA. 209+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4085	13-00077-00-RS	MCHENRY	81	69
CONTRACT NO. 61A29			ILLINOIS FED. AID PROJECT M-4003 (371)	

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

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

COMPANY NAME: HRGreen.com  
 PROJECT CONTACT: 2/10/2015 11:24:56 AM  
 CLIENT: 157-666c.mccullom.dgn  
 FILE NAME: p01.dgn  
 PLOT DRIVER: sfstandar-dr-tranx.tbl  
 PLOT TABLE:

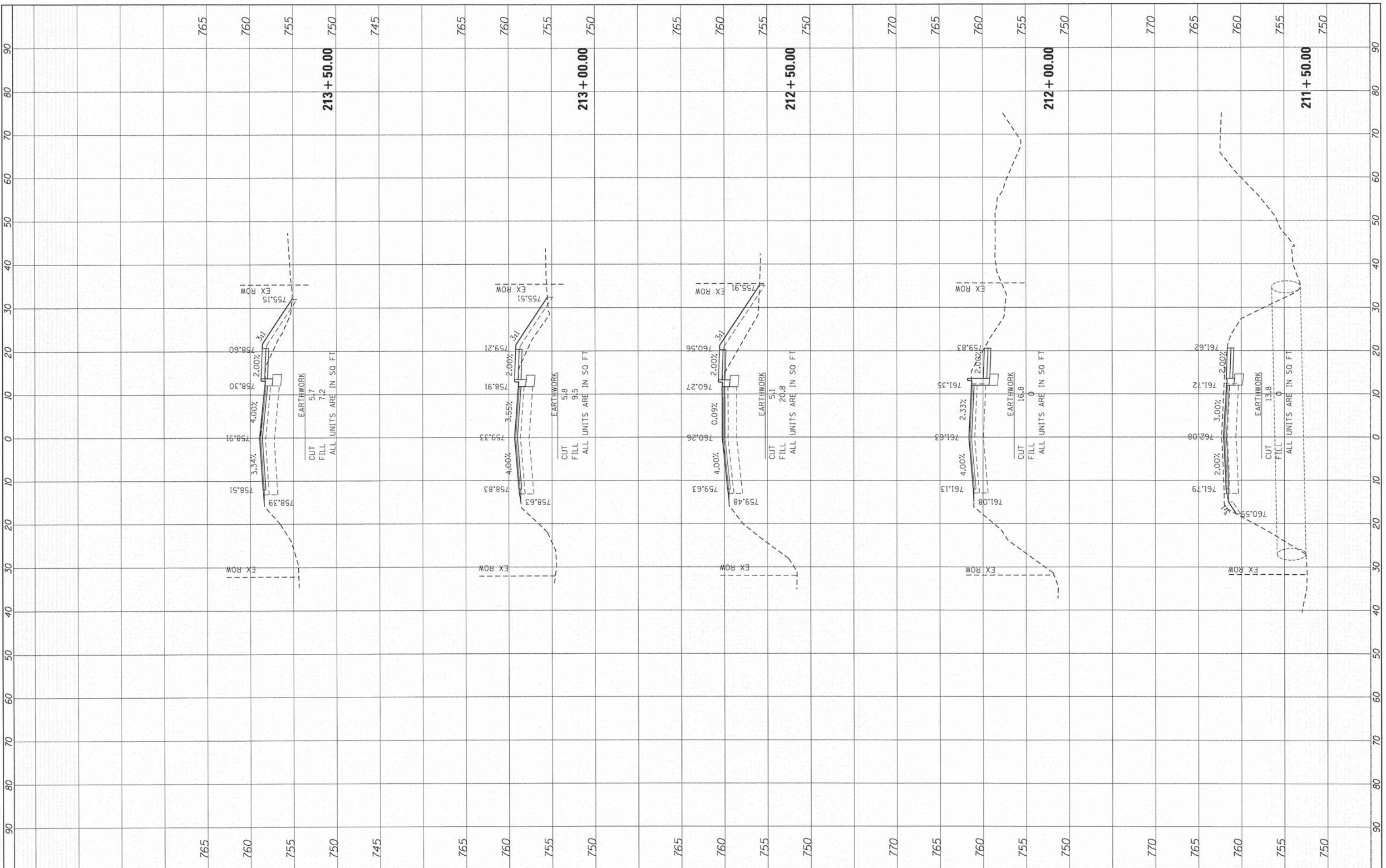


HRGreen.com Illinois Professional Design Firm # 184-001322	USER NAME = dstanz PLOT SCALE = 1"=10' PLOT DATE = 2/10/2015	DESIGNED - JS DRAWN - TAY CHECKED - TH DATE - 2/10/15	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS</b> <b>MCCULLOM LAKE ROAD</b>	SCALE: 1"=10' SHEET 5 OF 16 SHEETS STA. 209+37.01 TO STA. 211+00.00	F.A. RTE. 4085 SECTION 13-00077-00-RS COUNTY MCHENRY CONTRACT NO. 61A29 ILLINOIS FED. AID PROJECT M-4003 (371)	TOTAL SHEETS 81 SHEET NO. 70
--	--	--	--	---	--	--	--	---------------------------------

FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	NO.	
AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	NO.	
AREAS CHECKED		

COMPANY NAME: HRGreen.com  
 PROJECT CONTACT: #184-001322  
 DATE PLOTTED: 2/10/2015 11:25:01 AM  
 FILE NAME: 151-sscc-mccullom.dgn  
 PLOT DRIVER: pdf.plt  
 PEN TABLE: s:\standard-trans.tbl



USER NAME	= dstonecz	
DESIGNED	- JS	
DRAWN	- TAY	
CHECKED	- TH	
DATE	- 2/10/15	
REVISIONS		
NO.	DESCRIPTION	DATE
1		
2		
3		
4		
5		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
MCCULLOM LAKE ROAD**

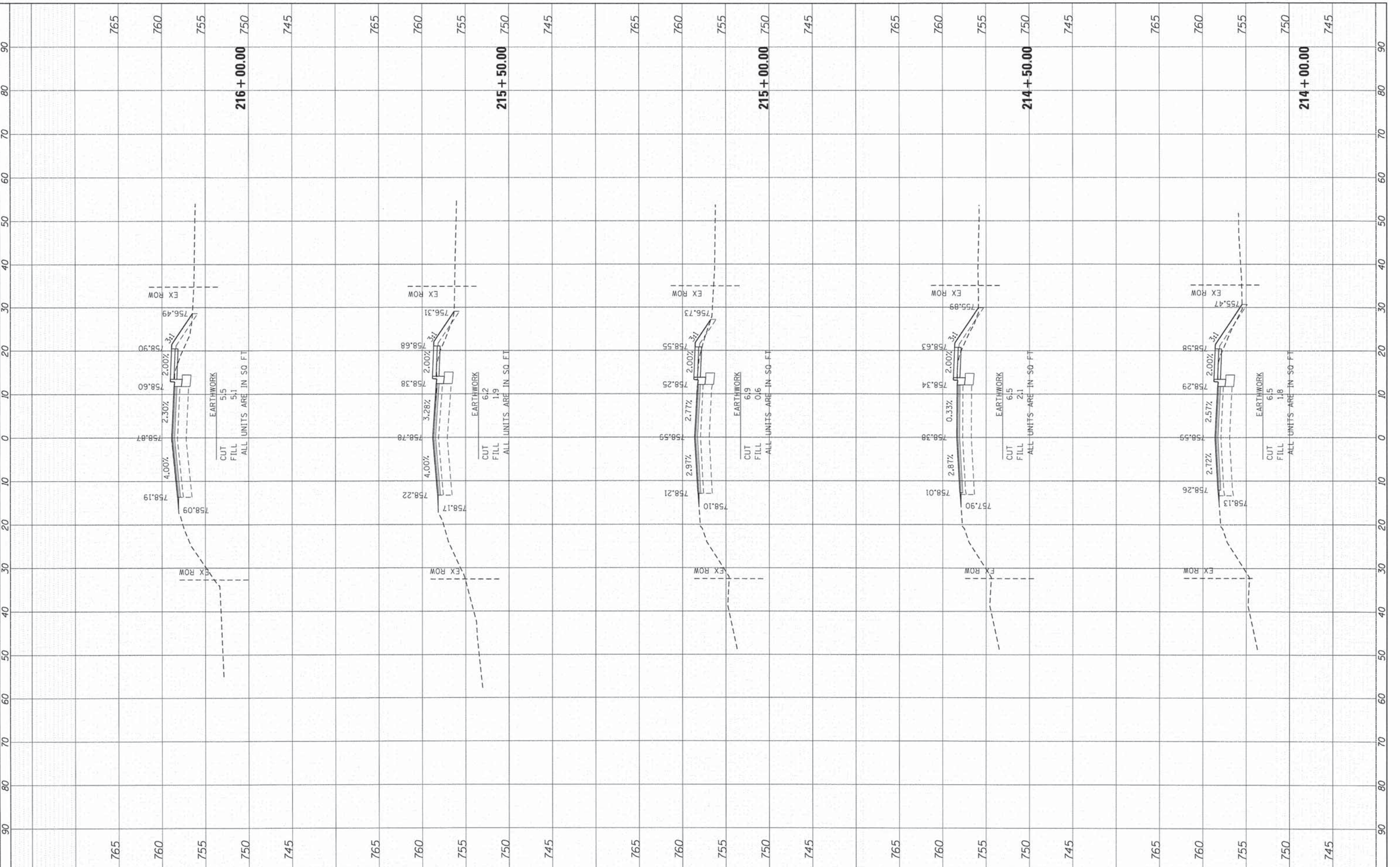
SCALE: 1"=10' SHEET 6 OF 16 SHEETS STA. 211+50.00 TO STA. 213+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4085	13-00077-00-RS	MCHENRY	81	71
CONTRACT NO.			61A29	
ILLINOIS FED. AID PROJECT M-4003 (371)				

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

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

COMPANY NAME: HRGreen.com  
 PROJECT CONTACT: 2/10/2015 11:25:06 AM  
 CLIENT: 127-rsdc.mccullom.dgn  
 DATE PLOTTED: 2/10/2015  
 PLOT SCALE: 1"=10'  
 PEN TABLE: 310000-01-fronts.tbl



USER NAME = dstanzc	DESIGNED - JS	REVISED -
PLOT SCALE = 1"=10'	DRAWN - TAY	REVISED -
PLOT DATE = 2/10/2015	CHECKED - TH	REVISED -
	DATE - 2/10/15	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 MCCULLOM LAKE ROAD  
 SCALE: 1"=10' SHEET 7 OF 16 SHEETS STA. 214+00.00 TO STA. 216+00.00

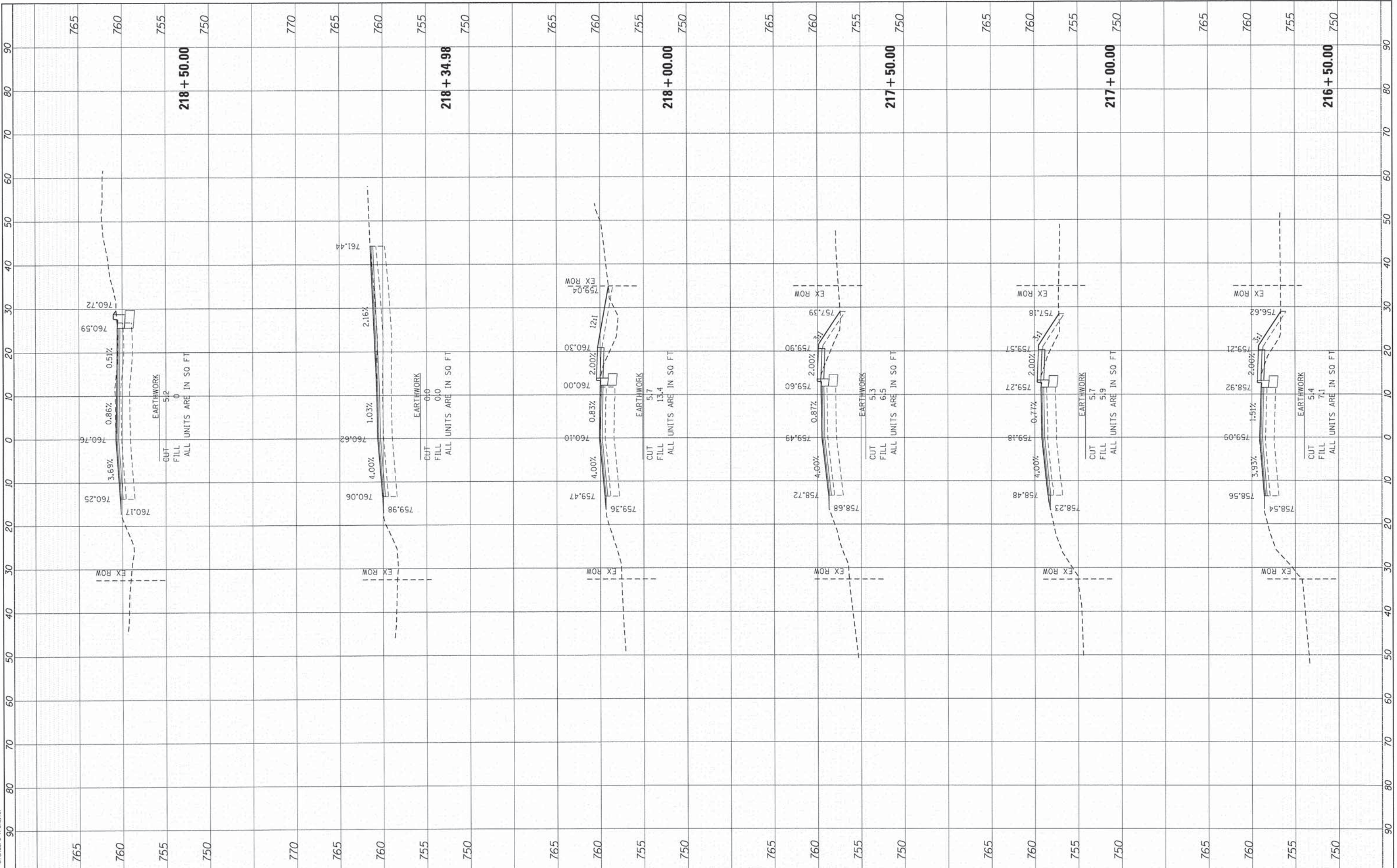
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
40B5	13-00077-00-RS	MCHENRY	81	72
CONTRACT NO. 61A29			[ILLINOIS] FED. AID PROJECT M-4003 (371)	



FINAL	BY	DATE
SURVEYED		
NOTE BOOK		
AREAS CHECKED		
NO.		

ORIGINAL	BY	DATE
SURVEYED		
NOTE BOOK		
AREAS CHECKED		
NO.		

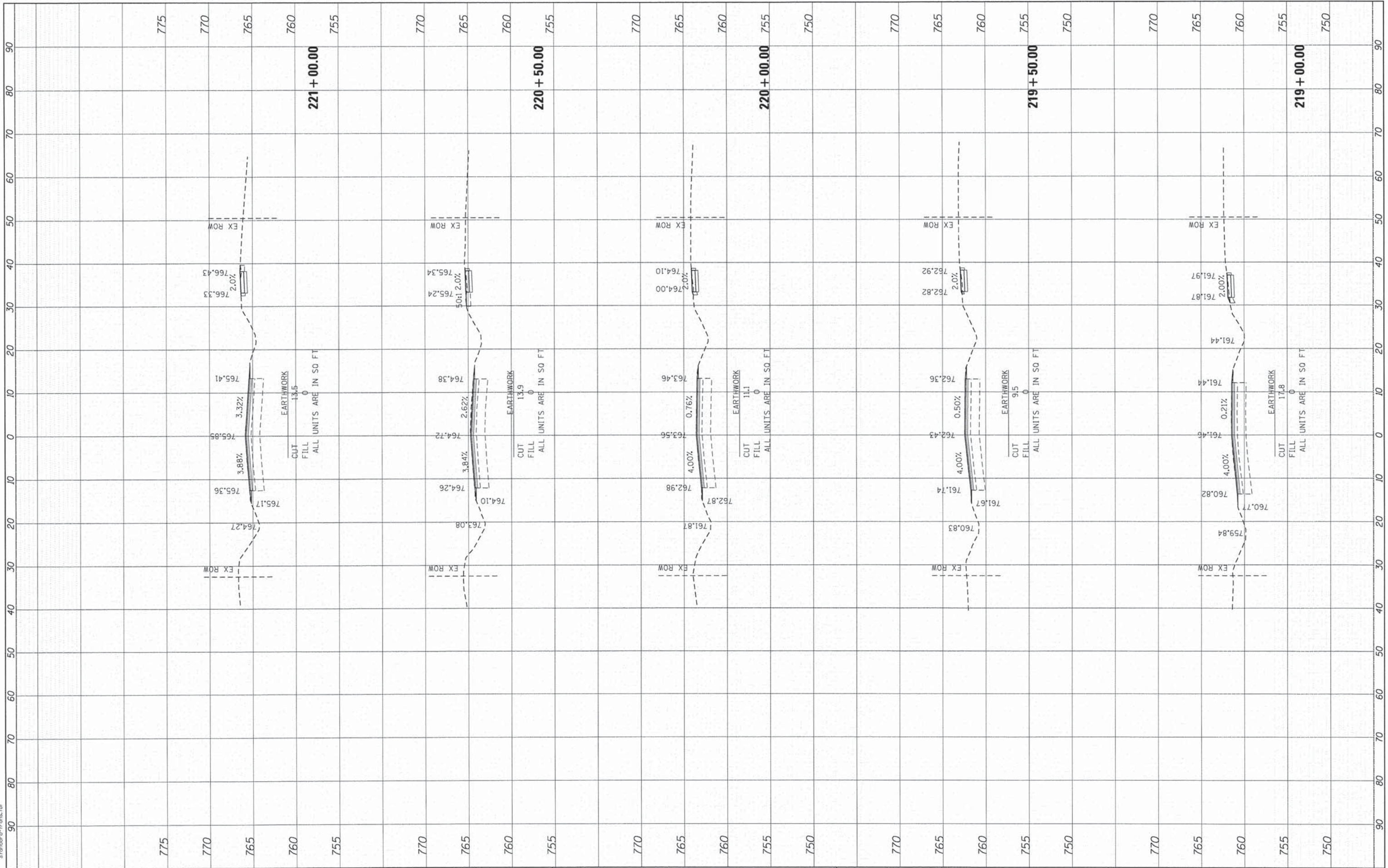
COMPANY NAME: HRGreen  
 PROJECT CONTACT: HRGreen.com  
 CLIENT: 2/10/2015 11:25:11 AM  
 DATE PLOTTED: 157-sscc-mccullom.dgn  
 FILE NAME: pcf.dgn  
 PLOT DRIVER: standard-trans.tbl  
 PEN TABLE:



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

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

COMPANY NAME: HRGreen  
 PROJECT CONTACT: 2/10/2015 10:26:16 AM  
 CLIENT: 157-xsec.mcculom.dgn  
 DATE PLOTTED: 2/10/2015  
 FILE NAME: 157-xsec.mcculom.dgn  
 PLOT DRIVER: pdfplot  
 PEN TABLE: standard-trans.tbl



USER NAME	= dstantoc
DESIGNED	- JS
DRAWN	- TAY
CHECKED	- TH
DATE	- 2/10/2015
REVISIONS	
REVISED	-
REVISED	-
REVISED	-
REVISED	-

PLOT SCALE	= 1"=10'
PLOT DATE	= 2/10/2015

STATE OF ILLINOIS	DEPARTMENT OF TRANSPORTATION
-------------------	------------------------------

CROSS SECTIONS	
MCCULLOM LAKE ROAD	
SCALE: 1"=10'	SHEET 9 OF 16 SHEETS
STA. 219+00.00	TO STA. 221+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4085	13-00077-00-RS	MCHENRY	81	74
CONTRACT NO.			61A29	
ILLINOIS FED. AID PROJECT M-4003 (371)				

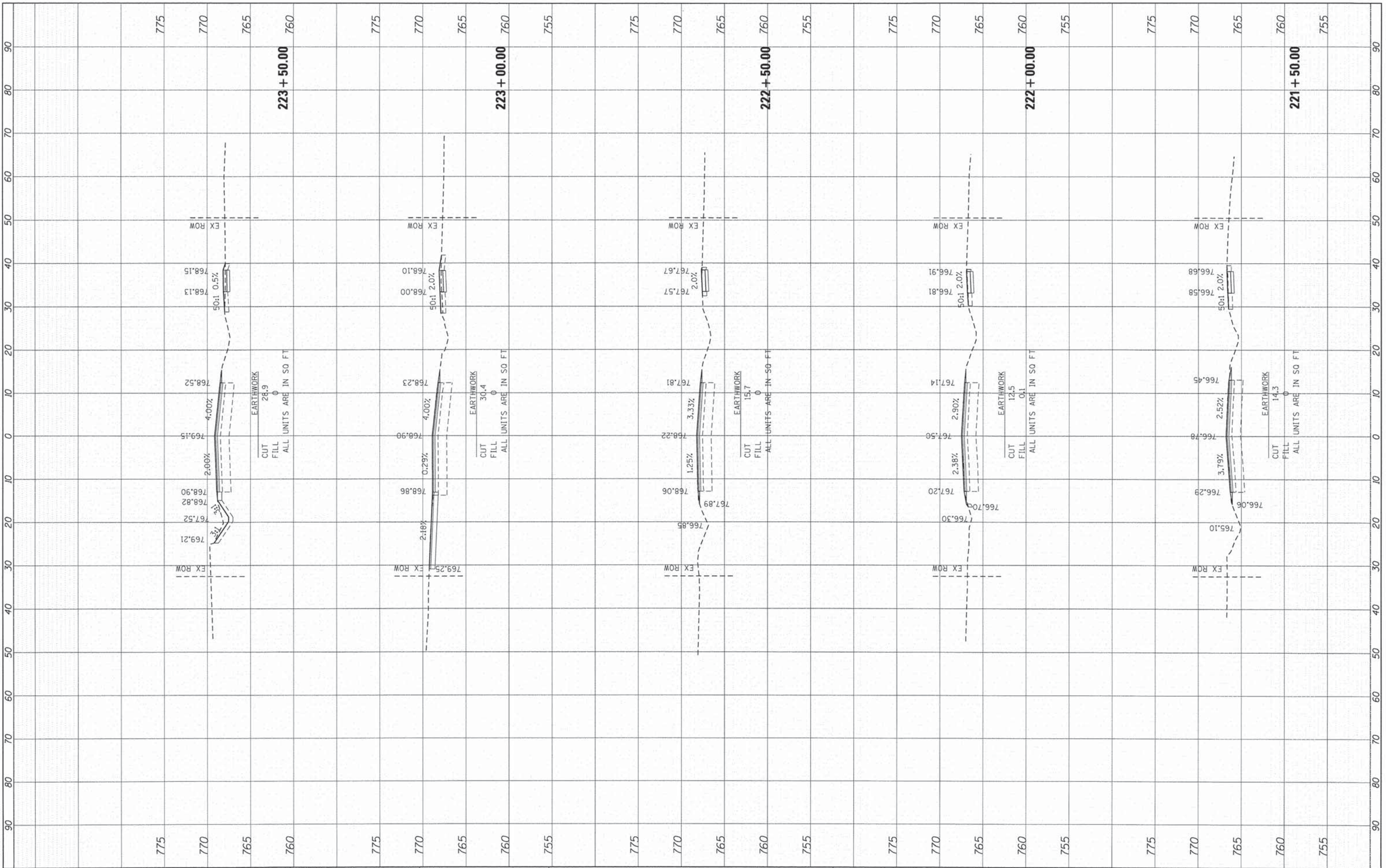


HRGreen.com  
 Illinois Professional Design Firm  
 #184-091322

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

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

COMPANY NAME: HRGreen  
 PROJECT CONTACT: HRGreen.com  
 CLIENT: 2/10/2015 11:25:21 AM  
 DATE PLOTTED: 157-xdnc.mcculom.dgn  
 FILE NAME: p12.dgn  
 PEN TABLE: sponsor-fronc.tbl



USER NAME = dstanz	DESIGNED - JS	REVISED -
	DRAWN - TAY	REVISED -
	CHECKED - TH	REVISED -
	DATE - 2/10/15	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

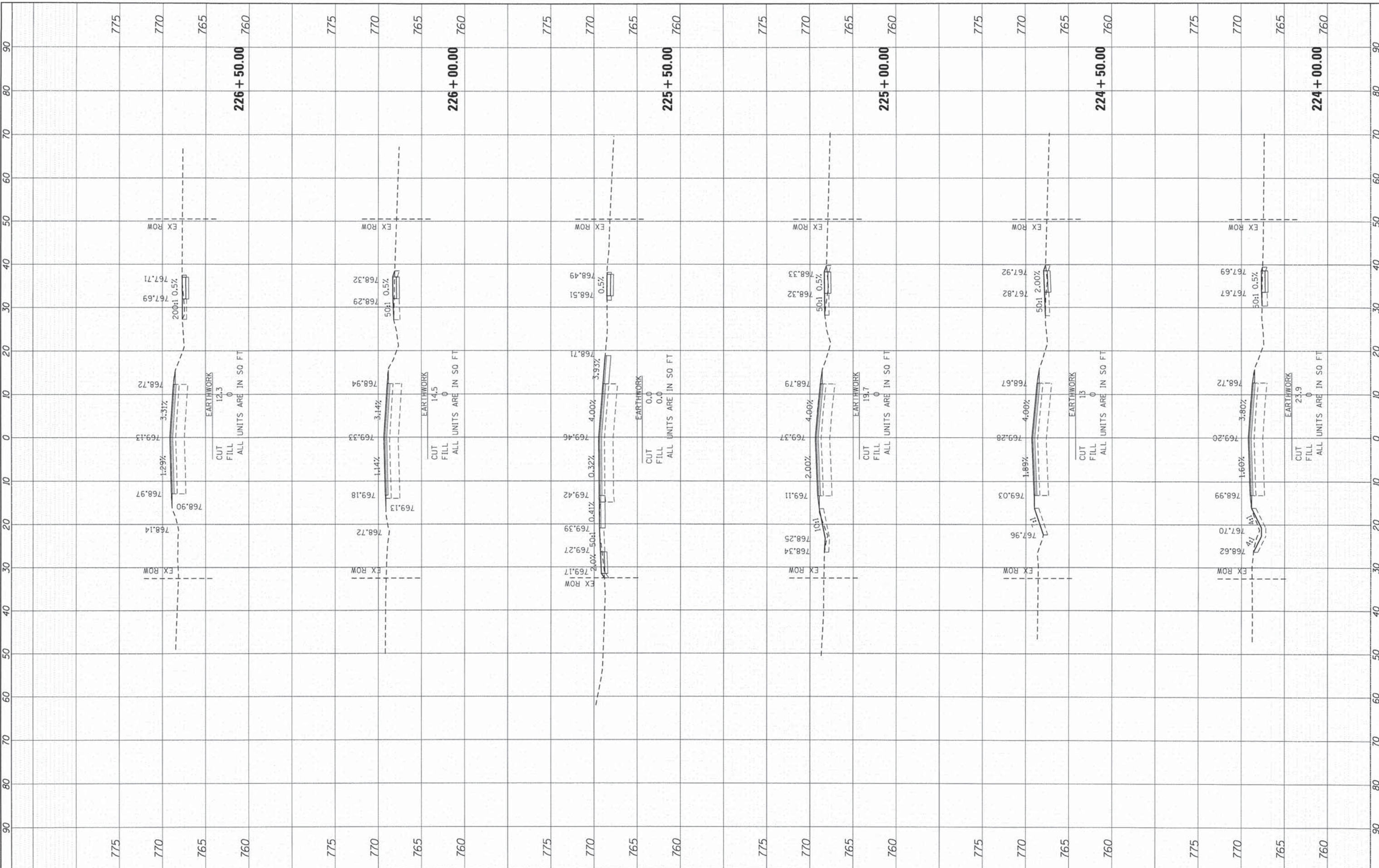
<b>CROSS SECTIONS MCCULLOM LAKE ROAD</b>			
SCALE: 1"=10'	SHEET 10 OF 16 SHEETS	STA. 221+50.00 TO STA. 223+50.00	

F.A. RTE. 40B5	SECTION 13-00077-00-RS	COUNTY MCHENRY	TOTAL SHEETS 81	SHEET NO. 75
CONTRACT NO. 61A29				
ILLINOIS FED. AID PROJECT M-4003 (371)				

FINAL SURVEY	EXEMPTED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	AREAS CHECKED		

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

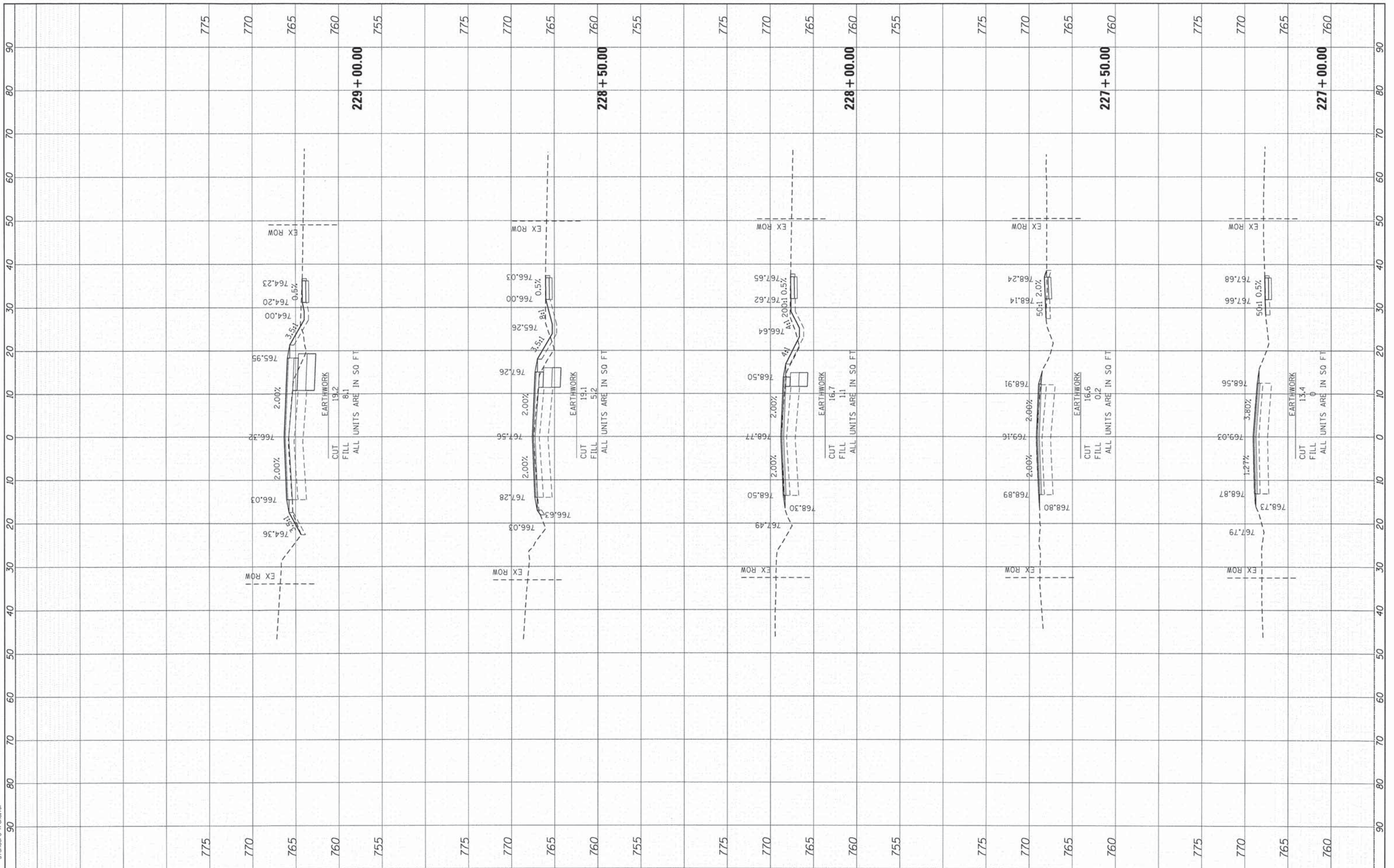
COMPANY NAME: HRGreen.com  
 PROJECT CONTACT: 2/10/2015 11:25:26 AM  
 CLIENT: 137-xamc.mcculloh-dp  
 FILE NAME: p01.dwg  
 PLOT ORIGIN: Standard-frames.tbl  
 PEN TABLE:



FINAL SURVEY	DATE
PLOTTED	BY
NOTE BOOK	
AREAS CHECKED	
NO.	

ORIGINAL SURVEY	DATE
PLOTTED	BY
NOTE BOOK	
AREAS CHECKED	
NO.	

COMPANY NAME: HRGreen  
 PROJECT CONTACT: 2/10/2015 11:25:31 AM  
 CLIENT: 157-ssac-mccullom.dgn  
 FILE NAME: pef.dwg  
 PLOT DRIVER: s:\tools\trans.tbl  
 PEN TABLE:



USER NAME = dstancz
DESIGNED - JS
DRAWN - TAY
CHECKED - TH
DATE - 2/10/15
REVISIONS
REVISIONS
REVISIONS
REVISIONS

DESIGNED - JS	REVISIONS
DRAWN - TAY	REVISIONS
CHECKED - TH	REVISIONS
DATE - 2/10/15	REVISIONS

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 MCCULLOM LAKE ROAD

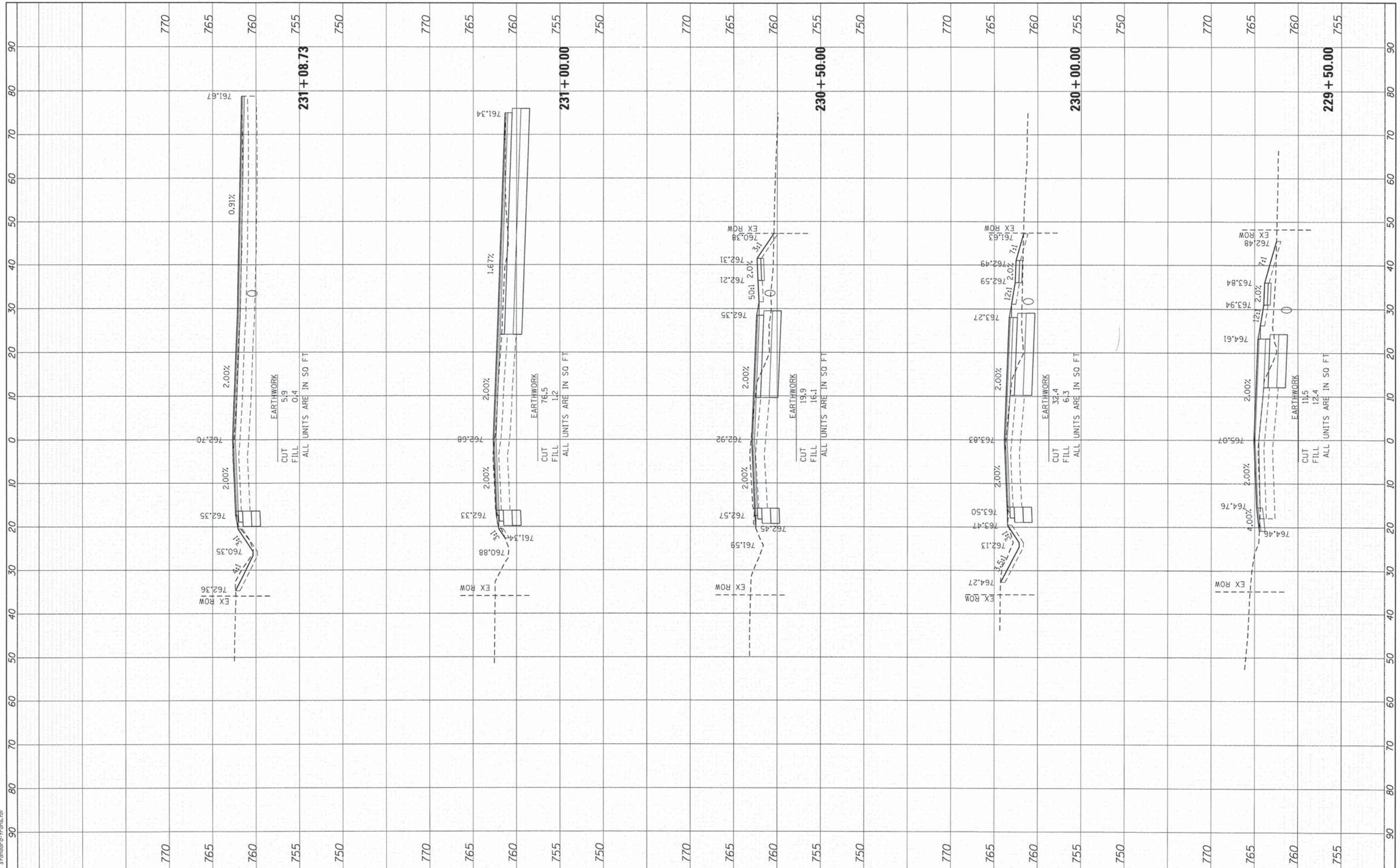
SCALE: 1"=10' SHEET 12 OF 16 SHEETS STA. 227+00.00 TO STA. 229+00.00

F.A. RTE. 4085	SECTION 13-00077-00-RS	COUNTY MCHENRY	TOTAL SHEETS 81	SHEET NO. 77
CONTRACT NO. 61A29				ILLINOIS FED. AID PROJECT M-4003 (371)

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

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

COMPANY NAME: HRGreen  
 PROJECT CONTACT: [redacted]  
 CLIENT: [redacted]  
 DATE PLOTTED: 2/10/2015 11:25:36 AM  
 PLOT DRIVER: [redacted]  
 PEN TABLE: [redacted]



USER NAME = dstanez	DESIGNED - JS	REVISED -
	DRAWN - TAY	REVISED -
PLOT SCALE = 1"=10'	CHECKED - TH	REVISED -
PLOT DATE = 2/10/2015	DATE - 2/10/15	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
MCCULLOM LAKE ROAD**

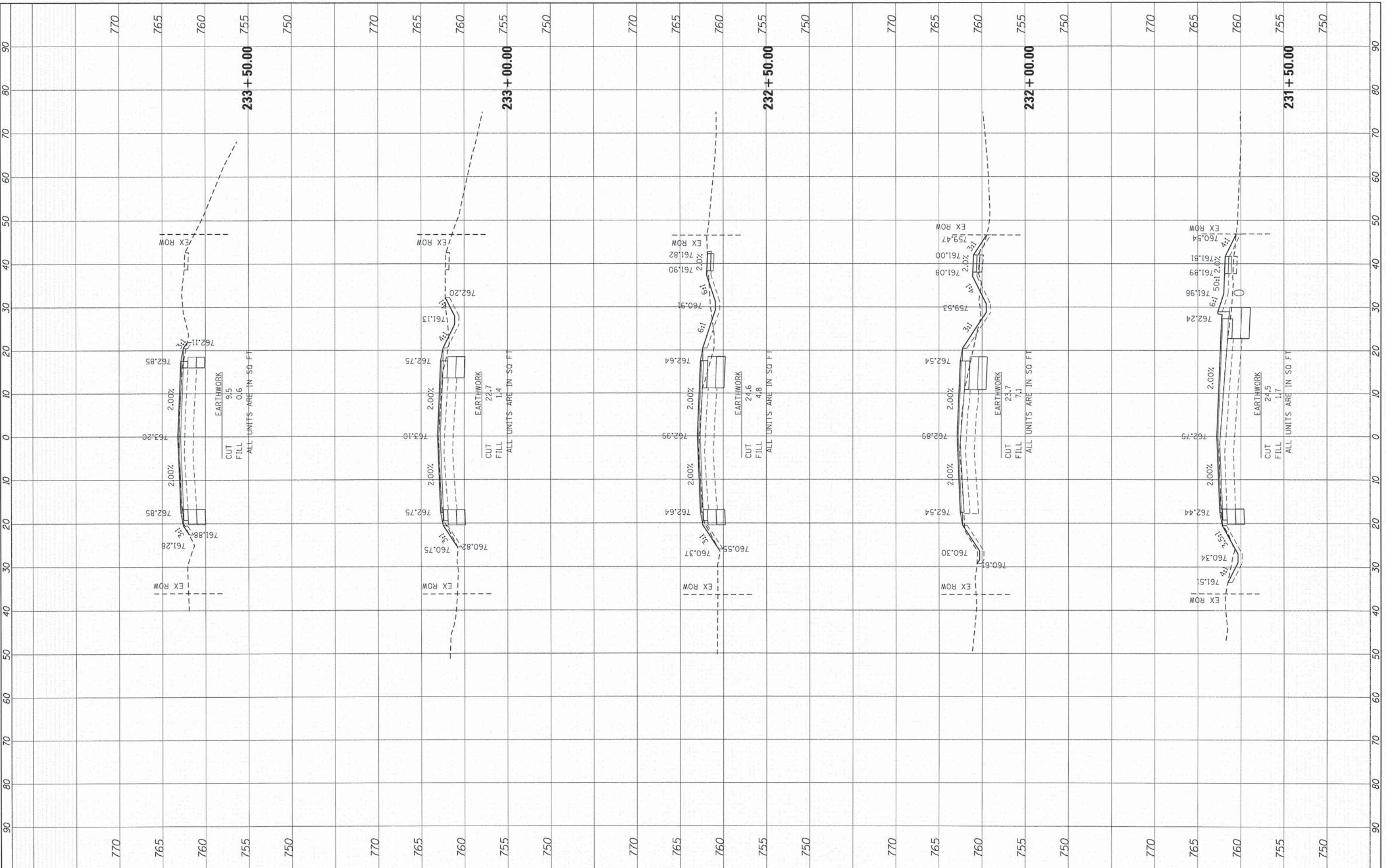
SCALE: 1"=10'    SHEET 13 OF 16 SHEETS    STA. 229+50.00 TO STA. 231+08.73

F.A. RTE. 4085	SECTION 13-00077-00-RS	COUNTY MCHENRY	TOTAL SHEETS 81	SHEET NO. 78
CONTRACT NO. 61A29			ILLINOIS FED. AID PROJECT M-4003 (371)	

FINAL SURVEY	SUBMITTED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY	SUBMITTED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		

COMPANY NAME: HRGreen.com  
 PROJECT CONTACT: 2/10/2015 11:25:41 AM  
 CLIENT: 157-xaac-mccullom.dgn  
 FILE NAME: perf.dwg  
 PLOT DRIVER: s:\font\ar-trans.tbl  
 PEN TABLE:

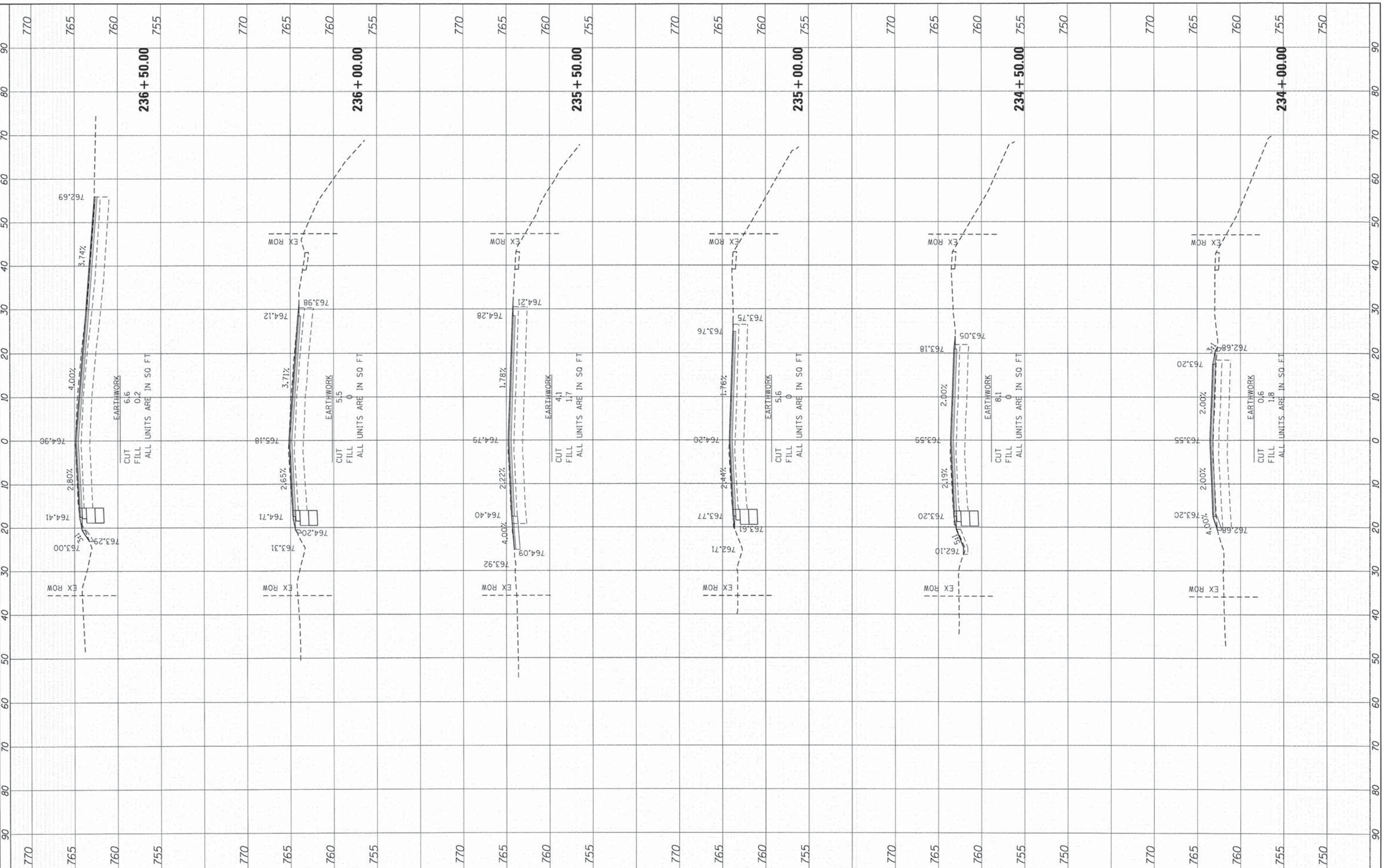


	USER NAME = dstanz PLOT SCALE = 1"=10' PLOT DATE = 2/10/2015	DESIGNED - JS DRAWN - TAY CHECKED - TH DATE - 2/10/15	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS          DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS          MCCULLOM LAKE ROAD</b>	SCALE: 1"=10'	SHEET 14 OF 16 SHEETS	STA. 231+50.00 TO STA. 233+50.00	F.A. RTE. 40B5	SECTION 13-00077-00-RS	COUNTY MCHENRY	TOTAL SHEETS 81	SHEET NO. 79
	CONTRACT NO. 61A29 ILLINOIS FED. AID PROJECT M-4003 (371)												

FINAL	DATE
SURVEYED	BY
NOTE BOOK	
NO.	
AREAS CHECKED	

ORIGINAL	DATE
SURVEYED	BY
NOTE BOOK	
NO.	
AREAS CHECKED	

COMPANY NAME: HRGreen.com  
 PROJECT CONTACT: 2/10/2015 11:25:46 AM  
 CLIENT: 157-asac-mccullom.dgn  
 DATE PLOTTED: 2/10/2015  
 FILE NAME: 157-asac-mccullom.dgn  
 PLOT DRIVER: pdfplot  
 PEN TABLE: sf10ndr-frans.tbl



USER NAME = dstanoz	DESIGNED - JS	REVISED -
	DRAWN - TAY	REVISED -
	CHECKED - TH	REVISED -
	DATE - 2/10/15	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
MCCULLOM LAKE ROAD

SCALE: 1"=10' SHEET 15 OF 16 SHEETS STA. 234+00.00 TO STA. 236+50.00

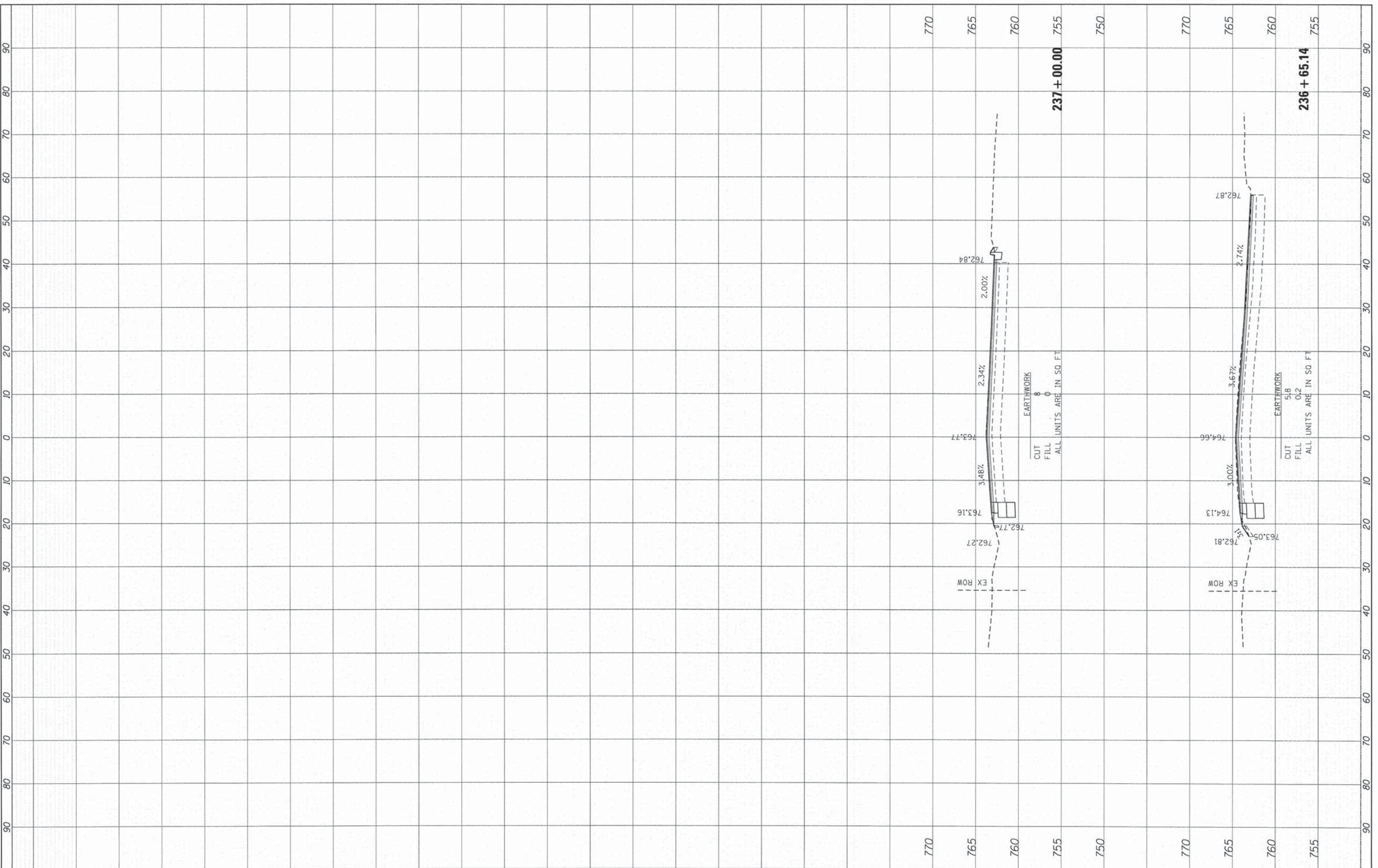
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4085	13-00077-00-RS	MCHENRY	81	80
			CONTRACT NO. 61A29	
ILLINOIS FED. AID PROJECT M-4003 (371)				



FINAL SURVEY	BY	DATE
SURVEY NO.		
PLOTTED		
TEMPLATE		
AREAS CHECKED		

ORIGINAL SURVEY	BY	DATE
SURVEY NO.		
PLOTTED		
TEMPLATE		
AREAS CHECKED		

COMPANY NAME: HRGreen  
 PROJECT CONTACT: HRGreen.com  
 CLIENT: 2/10/2015 11:25:51 AM  
 DATE PLOTTED: 157-x96c.mccullom.dgn  
 FILE NAME: plot.dwg  
 PLOT DRIVER: standard-frames.tbl  
 PER TABLE:



**HRGreen**  
 HRGreen.com  
 Illinois Professional Design Firm  
 #184-001322

USER NAME = dstencz	DESIGNED - JS	REVISED -
	DRAWN - TAY	REVISED -
PLOT SCALE = 1"=10'	CHECKED - TH	REVISED -
PLOT DATE = 2/10/2015	DATE - 2/10/15	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 MCCULLOM LAKE ROAD**

SCALE: 1"=10'    SHEET 16 OF 16 SHEETS    STA. 236+65.14 TO STA. 237+00.00

F.A. RTE. 4085	SECTION 13-00077-00-RS	COUNTY MCHENRY	TOTAL SHEETS 81	SHEET NO. 81
CONTRACT NO. 61A29			ILLINOIS FED. AID PROJECT M-4003 (371)	