

03-08-13 LETTING ITEM 071

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR LIST OF HIGHWAY STANDARDS, SEE SHEET 2

TRAFFIC DATA

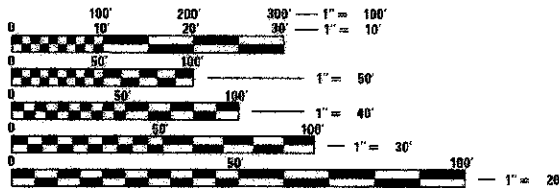
ADT:		
JOHNSBURG RD.	12,600 VPD (2006)	19,100 VPD (2030)
RIVERSIDE DR.	4,000 VPD (2006)	7,000 VPD (2030)
SPRING GROVE RD.	6,000 VPD (2006)	10,000 VPD (2030)

JOHNSBURG ROAD	POSTED SPEED	DESIGN SPEED
IL 31 - RIVERSIDE DR.	45 MPH (EXISTING/ PROPOSED)	45 MPH
RIVERSIDE DR. - SPRING GROVE RD.	40 MPH (EXISTING/ PROPOSED)	40 MPH
SPRING GROVE RD. - CHAPEL HILL RD.	30 MPH (EXISTING/ PROPOSED)	30 MPH

DESIGN DESIGNATION

FAU 0168 (JOHNSBURG ROAD) - URBAN MINOR ARTERIAL

PROJECT LOCATED IN THE VILLAGE OF JOHNSBURG



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

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

Know what's below. Call before you dig.

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

Jeffrey L. Pisha

JEFFREY L. PISHA, P.E.
EXPIRES: 11-30-13

STRUCTURAL ENGINEER'S SIGN & SEAL
FOR STRUCTURAL SHEET(S): SA 01-04 SB 01-04

Robert G. Davies

ROBERT G. DAVIES, P.E., S.E.
EXPIRES: 11-30-14

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

Philip J. Keranen

PHILIP J. KERANEN, P.E.
EXPIRES: 11-30-13

PROJECT ENGINEER: J. MELHUISH
PROJECT MANAGER: J. PISHA
CONTRACT NO. 63515

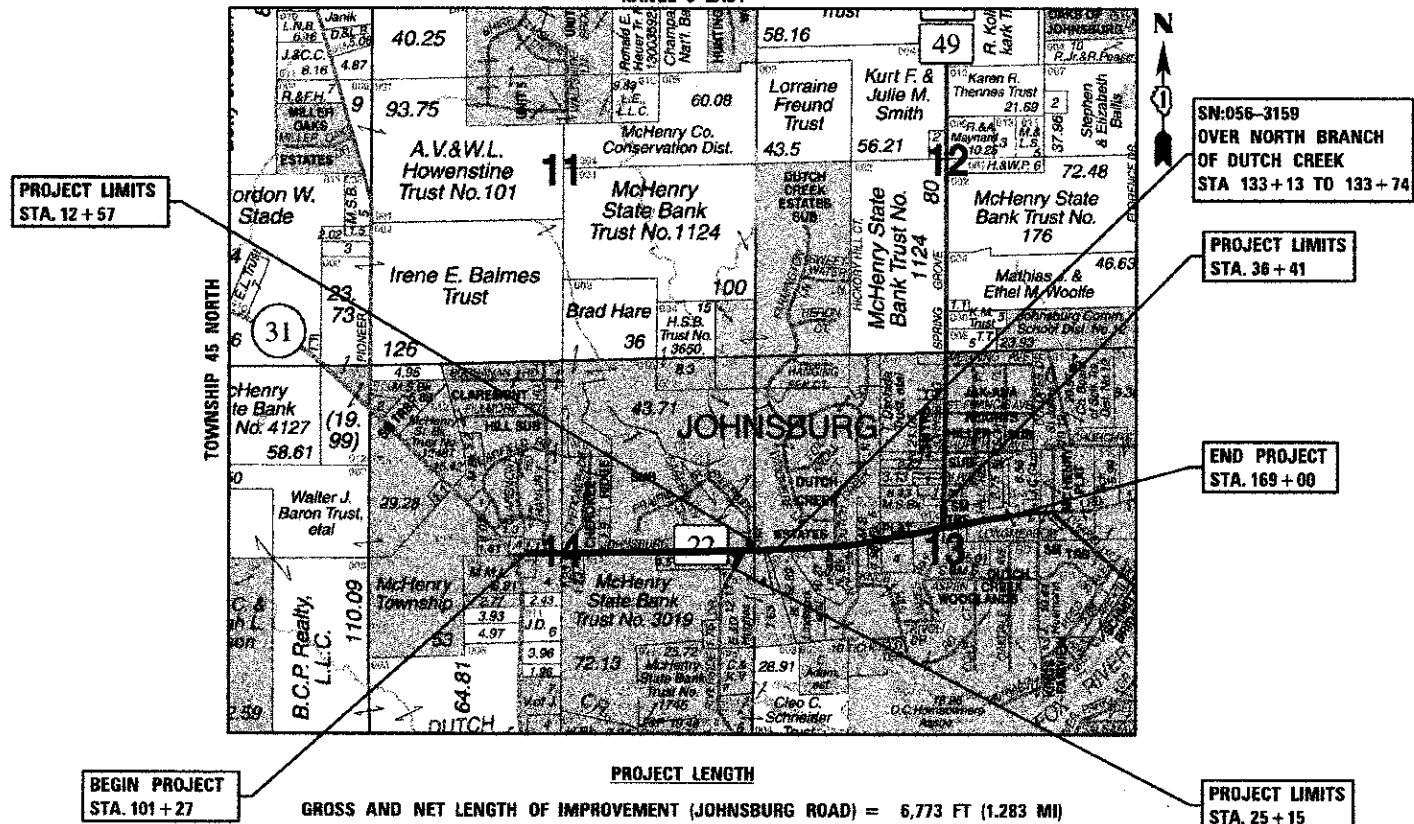
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED
FEDERAL-AID HIGHWAY

FAU 0168 (JOHNSBURG ROAD)
FAP 336 (ILLINOIS ROUTE 31) TO FAU 0167 (CHAPEL HILL ROAD)
ROADWAY WIDENING AND RECONSTRUCTION

SECTION: 05-00314-00-WR
PROJECT: TE-CMM-8003 (520)
MCHENRY COUNTY
JOB: C-91-202-05

PROJECT LOCATION MAP
MCHENRY TOWNSHIP
N.T.S.
RANGE 8 EAST



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED DECEMBER 14 2012
Joseph R. Kogalaki, Jr.
COUNTY ENGINEER, MCHENRY COUNTY

PASSED DECEMBER 31 2012
C. Frank C. Hoyt
DISTRICT ONE ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID
BASED ON LIMITED REVIEW JANUARY 2 2013
John Entenman
DEPUTY DIRECTOR OF HIGHWAYS, REGION ONE ENGINEER

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

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	127	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO.	63515	

PROGRAM AND OFFICE ENGINEER: CHARLES F. RIDDLE, P.E. 847-705-4406 SCHAMBERG, IL

COMPANY NAME: PROJECT CONTACT: CLIENT: DATE PLOTTED: FILE NAME: PLOT DRIVER: PLOT INDEX:

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STATE STANDARDS

STANDARD NO.	LIST OF DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006-00	DECIMAL OF AN INCH AND OF A FOOT
202001-01	EARTH MEDIAN DITCH CHECK
406201-01	MAILBOX TURNOUT
424001-07	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-01	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-01	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424016-01	MID-BLOCK CURB RAMPS FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
542311-04	GRATING FOR CONCRETE FLARED END SECTION (FOR 24" (600 MM) THRU 54" (1300 MM) PIPE)
601001-04	SUB-SURFACE DRAINS
601101-01	CONCRETE HEADWALL FOR PIPE DRAIN
602001-02	CATCH BASIN TYPE A
602301-03	INLET, TYPE A
602401-03	MANHOLE, TYPE A
602416-03	MANHOLE, TYPE A, 8' (2.4 M) DIAMETER
602601-02	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-03	FRAME AND LIDS, TYPE 1
604036-02	GRATE TYPE B
604051-03	FRAME AND GRATE TYPE 11
606001-05	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606401-01	PAVED DITCH
630001-10	STEEL PLATE BEAM GUARDRAIL
630201-06	PCC/HMA SHOULDER STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
630301-06	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
635006-03	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
643001-01	SAND MODULE IMPACT ATTENUATORS
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 M) AWAY
701006-04	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24' (600 MM) FROM PAVEMENT EDGE
701011-03	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701101-03	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 M) TO 24' (600 MM) FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 M) AWAY
701306-03	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS >= 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS >= 45 MPH
701336-06	LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS >= 45 MPH
701426-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS >= 45 MPH
701427-01	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS = 40 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-05	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701701-08	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-05	LANE CLOSURE, MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
701901-02	TRAFFIC CONTROL DEVICES
704001-07	TEMPORARY CONCRETE BARRIER
728001-01	TELESCOPING STEEL SIGN SUPPORT
731001-01	BASE FOR TELESCOPING STEEL SIGN SUPPORT
814001-02	HANDHOLES
814006-02	DOUBLE HANDHOLES
836001-02	LIGHT POLE FOUNDATION
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
876001-02	PEDESTRIAN PUSH BUTTON POST
877001-05	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
877002-02	STEEL MAST ARM ASSEMBLY AND POLE 56' THROUGH 75'
878001-09	CONCRETE FOUNDATION DETAILS

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**MCHENRY COUNTY
 DIVISION OF TRANSPORTATION**

GENERAL NOTES AND INDEX OF SHEETS

SCALE: N.T.S.	SHEET NO. 1 OF 2 SHEETS	STA. TO STA.	F.A.U. RTE. 168	SECTION 05-00314-00-WR	COUNTY MCHENRY	TOTAL SHEETS 187	SHEET NO. 2
						CONTRACT NO. 63515	
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 MCDOT AT (815) 334-4960 AND THE VILLAGE OF JOHNSBURG AT (815) 385-6023 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION IS REQUIRED).
- BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE BUTT JOINT AND BITUMINOUS TAPER DETAILS SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
- 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.
- THE BITUMINOUS MATERIAL PRIME COAT QUANTITIES HAVE BEEN DETERMINED USING A RATE OF 0.1 GALLONS / SQ YD.
- 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.
- DRIVEWAYS ARE TO BE CONSTRUCTED TO THE R.O.W. OR UNLESS OTHERWISE NOTED.
- REMOVAL OF EXISTING COMBINATION CURB AND GUTTER, REGARDLESS OF CURB AND GUTTER TYPE, SHALL BE PAID FOR AS "COMBINATION CURB AND GUTTER REMOVAL".
- THE ELEVATIONS SHOWN ON THE PLANS ARE FINISHED GRADES OF PROPOSED PAVEMENT, UNLESS OTHERWISE NOTED.
- THE CONTRACTOR WILL BE REQUIRED TO TEMPORARILY RESET ALL EXISTING MAILBOXES WHICH INTERFERE WITH CONSTRUCTION OPERATIONS AND AFTER COMPLETION OF ROADWAY CONSTRUCTIONS, TO SET THEM IN THEIR PERMANENT LOCATIONS PER UNITED STATES POST OFFICE REQUIREMENTS. THIS WORK SHALL BE DONE IN CONFORMANCE WITH ARTICLE 107.20 OF THE STANDARD SPECIFICATIONS, AND THE COST WILL BE CONSIDERED INCLUDED IN THE CONTRACT. TEMPORARY MAILBOX LOCATIONS SHALL BE APPROVED BY THE VILLAGE AND/OR THE ENGINEER.
- ALL SIGNS TO BE REMOVED SHALL REMAIN THE PROPERTY OF THE MCDOT AND SHALL BE RETURNED TO MCDOT AT 1611 NELSON ROAD, WOODSTOCK, IL 60098 UPON REMOVAL. SIGNS TEMPORARILY RELOCATED OR COVERED SHALL NOT BECOME THE PROPERTY OF MCDOT UNTIL PERMANENTLY 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 CONTRACT. NO ADDITIONAL COMPENSATION WILL BE PROVIDED.

STORM SEWERS, WATER MAINS, AND UTILITIES
 1. 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.

2. 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. THIS WORK SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

3. 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.

4. ALL UTILITY COMPANIES SHALL BE NOTIFIED AT LEAST 3 DAYS PRIOR TO THE START OF CONSTRUCTION.
 5. THE CONTRACTOR SHALL USE ALL NECESSARY PRECAUTIONS AND PROTECTION MEASURES REQUIRED TO MAINTAIN EXISTING UTILITIES, SEWERS, AND APPURTENANCES THAT MUST BE KEPT IN OPERATION.

6. 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.
 7. STORM SEWER LENGTHS ARE MEASURED FROM INSIDE EDGE OF STRUCTURE TO THE INSIDE EDGE OF STRUCTURE, THEN ADDING 0.5' TO EACH END OF PIPE. SLOPE OF PIPE IS CALCULATED BY DIVIDING THE DIFFERENCE IN ELEVATION BY THE PIPE LENGTH.

GENERAL NOTES (CONT.)

- STORM SEWERS, WATER MAINS, AND UTILITIES (CONT.)**
- THE PAY ITEM FOR STORM SEWER REMOVAL SHALL INCLUDE ANY TRENCH BACKFILL REQUIRED TO FILL AREA OF SEWER REMOVAL WHERE THERE IS NO REPLACEMENT. IF PROPOSED STORM SEWER IS REPLACED IN THE SAME TRENCH, THEN TRENCH BACKFILL SHALL BE PAID FOR SEPARATELY.
 - 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. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.
 - ALL STORM SEWER PIPES SHALL BE CLEANED PRIOR TO ACCEPTANCE BY MCDOT. THE STORM SEWER WILL BE TELEVIEWED PRIOR TO ACCEPTANCE AND THE COST WILL BE INCIDENTAL.
 - 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. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.
 - ALL FRAMES, GRATES, LIDS, AND BOXES SCHEDULED TO BE REMOVED FROM EXISTING STRUCTURES SHALL REMAIN THE PROPERTY AND BE DELIVERED TO THE MCDOT, AS APPLICABLE.
 - ANY ITEMS DAMAGED DURING REMOVAL OPERATIONS SHALL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE. THE COST OF SALVAGING EXISTING FRAMES, GRATES, LIDS, OR BOXES AND/OR STOCKPILING THEM ON THE JOB SITE FOR DELIVERY TO THE MCDOT, AS APPLICABLE SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
 - ALL FRAMES WITH CLOSED LIDS TO BE FURNISHED AS PART OF THE CONTRACT FOR CONSTRUCTION, ADJUSTMENT OR RECONSTRUCTION OF ANY MANHOLE, CATCH BASIN, INLET, VALVE VAULT OR METER VAULT 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." ALL LIDS TO BE USED ON SANITARY SYSTEM STRUCTURES SHALL BEAR THE WORD "SANITARY." 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.
 - THE THICKNESSES OF HOT MIX ASPHALT MIXTURES SHOWN IN THE PLANS ARE NOMINAL. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE SURFACES OR BASES ON WHICH THE HOT MIX ASPHALT MIXTURES ARE TO BE PLACED.
 - ALL STORM SEWER 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 PRICE OF STORM SEWER.
 - WHERE NEW WORK MEETS EXISTING FEATURES TO REMAIN, FIELD CHECK ALL DIMENSIONS AND ELEVATIONS BEFORE PROCEEDING WITH CONSTRUCTION, NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
 - 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 WILL NOT BE ALLOWED. THE RINGS SHALL BE INCLUDED IN THE COST OF WORK BEING PERFORMED.
 - ALL PIPES SHALL BE CUT TO THE SIDES OF THE STRUCTURES AND SHALL NOT EXTEND INTO DRAINAGE STRUCTURE.

BACKFILL
 1. STORM SEWER SHALL BE BACK FILLED IN ACCORDANCE WITH ARTICLE 550.07, METHOD 1 ONLY.
 2. 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.
 3. 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 UNIT PRICE BID.

SIGNING AND STRIPING
 1. SEE IDOT DISTRICT ONE DETAILS AND PLAN SHEETS FOR PAVEMENT MARKING DETAILS.
 2. SIGNS SHALL NOT BE MOVED OR COVERED UNTIL PROGRESS OF WORK NECESSITATES IT.

3. 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 UNIT BID PRICES OF THE CONTRACT.

4. ALL SIGNS SHALL BE INSTALLED IN PERMANENT LOCATIONS AS THE ROADWAY IS COMPLETED. THIS WORK SHALL BE PAID FOR USING THE APPROPRIATE PAY ITEMS.
 5. 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.

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

GENERAL NOTES (CONT.)

- TRAFFIC CONTROL**
- SEE TRAFFIC CONTROL PLANS FOR GENERAL NOTES CONCERNING TRAFFIC CONTROL AND PROTECTION.
 - THE CONTRACTOR SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
 - THE CONTRACTOR SHALL PLACE UP TO SIX 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.
 - AGGREGATE SUBGRADE IMPROVEMENT IN CU YD (AS) HAS BEEN PROVIDED FOR GENERAL USE. THE ACTUAL NEED FOR REMOVAL OF UNSUITABLE AND UNSTABLE SOILS AND REPLACEMENT WITH ASI WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301 AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS ENCOUNTERED, THE SOIL SHALL BE REMOVED BY THE CONTRACTOR AT THE DIRECTION OF THE ENGINEER. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED FROM THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE DUE TOWARDS THE CONTRACTOR.

- STRUCTURAL PLANS**
 1. SEE STRUCTURAL PLANS FOR GENERAL NOTES CONCERNING STRUCTURAL DESIGN.
- LANDSCAPING**
 1. 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.

DISTRICT ONE DETAILS

STANDARD NO.	LIST OF DESCRIPTION
BD-01	DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >= 15'(4.5m)
BD-02	DRIVEWAY DETAILS DISTANCE BETWEEN ROW AND FACE OF CURB < 15'(4.5m)
BD-7	DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER
BD-12	MANHOLE WITH RESTRICTOR PLACE
BD-22	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
BD-32	BUTT JOINT AND HMA TAPER DETAILS
BD-37	MANHOLE TYPE A 7 FOOT DIAMETER
BD-51	BENCHING DETAIL FOR EMBANKMENT WIDENING
TC-10	TRAFFIC CONTROL AND PROTECTION PLAN SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-16	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
TC-26	DRIVEWAY ENTRANCE SIGNING
BD-03	OUTLET FOR CONCRETE CURB AND GUTTER
TC-21	DETOUR SIGNING FOR CLOSING STATE HIGHWAYS
TC-22	ARTERIAL ROAD INFORMATION SIGN

LIST OF STATE STANDARDS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	87	3
CONTRACT NO. 63515				
FED. ROAD DIST. NO. (ILLINOIS) FED. AID PROJECT				

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: HRGreen
 CLIENT: HRGreen
 DATE PLOTTED: 12/20/2012 9:41:55 AM
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 PLOT DRIVER: pdfdrv_r12v1101010
 PEN TABLE: standard.ctb

HRGreen.com
 Illinois Professional Design Firm
 #184-001392

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**MCHENRY COUNTY
 DIVISION OF TRANSPORTATION**

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

SUMMARY OF QUANTITIES

PAYCODE	ITEM DESCRIPTION	UNIT	TOTAL	MCDOT			JOHNSBURG	
				ROADWAY 80% FEDERAL 20% LOCAL 0004	RETAINING WALL 80% FEDERAL 20% LOCAL 0040	SIGNALS/LIGHTING 80% FEDERAL 20% LOCAL 0021	ITEP 80% FEDERAL 20% LOCAL 0031	VILLAGE OF JOHNSBURG 100% LOCAL 0043
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	40	40				
20101000	TEMPORARY FENCE	FOOT	2,400	2,400				
20101200	TREE ROOT PRUNING	EACH	53	53				
20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	28	28				
20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	25	25				
20200100	EARTH EXCAVATION	CU YD	27,273	27,273				
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	12,664	12,664				
20400800	FURNISHED EXCAVATION	CU YD	303	303				
20800150	TRENCH BACKFILL	CU YD	2,692	2,692				
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	30,205	30,205				
25000210	SEEDING, CLASS 2A	ACRE	2.75	2.75				
25000300	SEEDING, CLASS 3	ACRE	3.00	3.00				
25000312	SEEDING, CLASS 4A	ACRE	0.50	0.50				
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	522	522				
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	522	522				
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	522	522				
25100635	HEAVY DUTY EROSION CONTROL BLANKET	SO YD	23,695	23,695				
25200110	SODDING, SALT TOLERANT	SO YD	6,510	6,510				
25200200	SUPPLEMENTAL WATERING	UNIT	325	325				
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	624	624				
28000305	TEMPORARY DITCH CHECKS	FOOT	950	950				
28000315	AGGREGATE DITCH CHECKS	TON	5	5				
28000400	PERIMETER EROSION BARRIER	FOOT	15,745	15,745				
28000500	INLET AND PIPE PROTECTION	EACH	18	18				
28000510	INLET FILTERS	EACH	46	46				
28100105	STONE RIPRAP, CLASS A3	SO YD	37	37				
28100107	STONE RIPRAP, CLASS A4	SO YD	438	438				
28200200	FILTER FABRIC	SO YD	719	719				
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	4,818	4,818				
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SO YD	21,585	21,585				
31101400	SUBBASE GRANULAR MATERIAL, TYPE B 6"	SO YD	1,395	1,395				
35102000	AGGREGATE BASE COURSE, TYPE B 8"	SO YD	157	157				
35501320	HOT-MIX ASPHALT BASE COURSE, 9"	SO YD	2,810	2,810				
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	1,245	1,245				

* SPECIALTY ITEM

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: jettone
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**MCHENRY COUNTY
DIVISION OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: N.T.S. SHEET NO. 1 OF 8 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	4
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63515	

SUMMARY OF QUANTITIES (CONTD.)

PAYCODE	ITEM DESCRIPTION	UNIT	TOTAL	MCDOT			JOHNSBURG	
				ROADWAY 80% FEDERAL 20% LOCAL 0004	RETAINING WALL 80% FEDERAL 20% LOCAL 0040	SIGNALS/LIGHTING 80% FEDERAL 20% LOCAL 0021	ITEP 80% FEDERAL 20% LOCAL 0031	VILLAGE OF JOHNSBURG 100% LOCAL 0043
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	4,434	4,434				
40600300	AGGREGATE (PRIME COAT)	TON	133	133				
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	8	8				
40600895	CONSTRUCTING TEST STRIP	EACH	3	3				
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	117	117				
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	2,965	2,965				
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	2,395	2,395				
40701946	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 13 1/4"	SO YD	11,691	11,691				
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SO YD	49	49				
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SO YD	48	48				
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	10,277	10,277				
42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SO FT	80	80				
42400800	DETECTABLE WARNINGS	SO FT	269	269				
44000100	PAVEMENT REMOVAL	SO YD	11,329	11,329				
44000200	DRIVEWAY PAVEMENT REMOVAL	SO YD	1,758	1,758				
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	4,072	4,072				
44000600	SIDEWALK REMOVAL	SO FT	235	235				
44004000	PAVED DITCH REMOVAL	FOOT	979	979				
44201713	CLASS D PATCHES, TYPE I, 6 INCH	SO YD	110	110				
44201717	CLASS D PATCHES, TYPE II, 6 INCH	SO YD	665	665				
44201721	CLASS D PATCHES, TYPE III, 6 INCH	SO YD	110	110				
44201723	CLASS D PATCHES, TYPE IV, 6 INCH	SO YD	110	110				
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	6,206	6,206				
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SO YD	1,831	1,831				
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SO YD	4,272	4,272				
50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1	1				
50100400	REMOVAL OF EXISTING STRUCTURES NO. 2	EACH	1	1				
50100500	REMOVAL OF EXISTING STRUCTURES NO. 3	EACH	1	1				
50100600	REMOVAL OF EXISTING STRUCTURES NO. 4	EACH	1	1				
50104400	CONCRETE HEADWALL REMOVAL	EACH	4	4				
50105220	PIPE CULVERT REMOVAL	FOOT	765	765				
50200100	STRUCTURE EXCAVATION	CU YD	740		740			
50300225	CONCRETE STRUCTURES	CU YD	220		220			
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	86,870		86,870			

* SPECIALTY ITEM

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: jettana
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 PLOT DATE: 12/20/2012



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 PLOT DATE: 12/20/2012

DESIGNED: JRM
 DRAWN: JPA
 CHECKED: TH
 DATE: 12/20/12

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**MCHENRY COUNTY
 DIVISION OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: N.T.S. SHEET NO. 2 OF 8 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	5
CONTRACT NO. 63515			FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT	

SUMMARY OF QUANTITIES (CONTD.)

PAYCODE	ITEM DESCRIPTION	UNIT	TOTAL	MCDOT			JOHNSBURG	
				ROADWAY 80% FEDERAL 20% LOCAL 0004	RETAINING WALL 80% FEDERAL 20% LOCAL 0040	SIGNALS/LIGHTING 80% FEDERAL 20% LOCAL 0021	ITEP 80% FEDERAL 20% LOCAL 0031	VILLAGE OF JOHNSBURG 100% LOCAL 0043
58300100	PORTLAND CEMENT MORTAR FAIRING COURSE	FOOT	732	732				
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	185		185			
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	2		2			
60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	5	5				
60200905	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 9 FRAME AND GRATE	EACH	10	10				
60201105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	9	9				
60204505	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 8 GRATE	EACH	5	5				
60204805	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	1	1				
60205312	CATCH BASINS, TYPE A, 6'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	1	1				
60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	3	3				
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	14	14				
60219300	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	1	1				
60221000	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	1				
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2				
60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	6	6				
60224020	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	1	1				
60224443	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	1	1				
60224446	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1				
60224459	MANHOLES, TYPE A, 8'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1				
60224461	MANHOLES, TYPE A, 8'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	1	1				
60236600	INLETS, TYPE A, TYPE 9 FRAME AND GRATE	EACH	6	6				
60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	16	16				
60402210	GRATES, TYPE 8	EACH	3	3				
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	1	1				
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	15	15				
60600605	CONCRETE CURB, TYPE B	FOOT	108	108				
60602500	CONCRETE GUTTER, TYPE A	FOOT	3,016	3,016				
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	5,610	5,610				
60616110	PAVED DITCH, TYPE A-30	FOOT	325	325				
60616800	PAVED DITCH, TYPE B-15	FOOT	120	120				
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	450.0	450.0				
* 63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	687.5	687.5				
* 63000009	STEEL PLATE BEAM GUARDRAIL, TYPE B, 9 FOOT POSTS	FOOT	100.0	100.0				
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	10	10				

* SPECIALTY ITEM

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
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PLOT DATE = 1/3/2013	DATE - 1/3/13	REVISED -

**MCHENRY COUNTY
DIVISION OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: N.T.S. SHEET NO. 4 OF 8 SHEETS STA. TO STA.

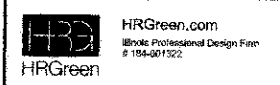
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	7
FED. ROAD DIST. NO.			CONTRACT NO. 63515	
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES (CONTD.)

PAYCODE	ITEM DESCRIPTION	UNIT	TOTAL	MCDOT			JOHNSBURG	
				ROADWAY 80% FEDERAL 20% LOCAL 0004	RETAINING WALL 80% FEDERAL 20% LOCAL 0040	SIGNALS/LIGHTING 80% FEDERAL 20% LOCAL 0021	ITEP 80% FEDERAL 20% LOCAL 0031	VILLAGE OF JOHNSBURG 100% LOCAL 0043
63200310	GUARDRAIL REMOVAL	FOOT	1,460	1,460				
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12				
67100100	MOBILIZATION	L SUM	1	1				
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	220	220				
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	48	48				
70300100	SHORT TERM PAVEMENT MARKING	FOOT	5,600	5,600				
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	26,900	26,900				
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	160	160				
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	3,650	3,650				
70300570	PAVEMENT MARKING TAPE, TYPE III 24"	FOOT	100	100				
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	3,300	3,300				
70400100	TEMPORARY CONCRETE BARRIER	FOOT	1,625.0	1,625.0				
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	837.5	837.5				
70600240	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 2	EACH	2	2				
70600340	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 2	EACH	1	1				
72000100	SIGN PANEL - TYPE 1	SQ FT	598	580		18		
72000200	SIGN PANEL - TYPE 2	SQ FT	97	45		52		
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	730	730				
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	32,894	32,894				
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	2,582	2,582				
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1,093	1,093				
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	284	284				
* 78200410	GUARDRAIL MARKERS, TYPE A	EACH	24	24				
* 78200530	BARRIER WALL MARKERS, TYPE C	EACH	190	190				
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	10	10				
78300100	PAVEMENT MARKING REMOVAL	SQ FT	1,670	1,670				
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	70	70				
* 80400100	ELECTRIC SERVICE INSTALLATION	EACH	2				2	
* 80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1				1	
* 80500020	SERVICE INSTALLATION - POLE MOUNTED	EACH	2			2		
* 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	457			41	416	
* 81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	146			146		
* 81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	156			156		
* 81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	1,000			739	261	

* SPECIALTY ITEM

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 CLIENT: 1/3/2013 9:27:41 AM
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**MCHENRY COUNTY
DIVISION OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: N.T.S. SHEET NO. 5 OF 8 SHEETS STA. TO STA.

F.A.U. RTE. 168	SECTION 05-00314-00-WR	COUNTY MCHENRY	TOTAL SHEETS 187	SHEET NO. 8
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		CONTRACT NO. 63515		

SUMMARY OF QUANTITIES (CONTD.)

PAYCODE	ITEM DESCRIPTION	UNIT	TOTAL	MCDOT			JOHNSBURG	
				ROADWAY 80% FEDERAL 20% LOCAL 0004	RETAINING WALL 80% FEDERAL 20% LOCAL 0040	SIGNALS/LIGHTING 80% FEDERAL 20% LOCAL 0021	ITEP 80% FEDERAL 20% LOCAL 0031	VILLAGE OF JOHNSBURG 100% LOCAL 0043
* 81400100	HANDHOLE	EACH	4			4		
* 81400300	DOUBLE HANDHOLE	EACH	4			4		
* 81603050	UNIT DUCT, 600V, 3-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	720				720	
* 81603090	UNIT DUCT, 600V, 3-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	1,460				1,460	
* 81702440	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 1/0	FOOT	90				90	
* 82500350	LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 100AMP	EACH	1				1	
* 82500370	LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 200AMP	EACH	1				1	
* 83007400	LIGHT POLE, ALUMINUM, 35 FT. M.H., 10 FT. MAST ARM	EACH	7				7	
* 83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	63				63	
* 83600350	LIGHT POLE FOUNDATION, METAL, 11" BOLT CIRCLE, 8" X 6"	EACH	20				20	
* 83800105	BREAKAWAY DEVICE, TRANSFORMER BASE, 11.5 INCH BOLT CIRCLE	EACH	7				7	
* 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	420			420		
* 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	939			939		
* 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,951			1,951		
* 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2,303			2,303		
* 87301290	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 18 3C	FOOT	1,316			1,316		
* 87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	111			111		
* 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1,982			1,982		
* 87502440	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	1			1		
* 87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	5			5		
* 87502520	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	1			1		
* 87702860	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 26 FT.	EACH	1			1		
* 87702870	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 28 FT.	EACH	1			1		
* 87702880	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 30 FT.	EACH	1			1		
* 87702900	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT.	EACH	1			1		
* 87702910	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT.	EACH	1			1		
* 87702950	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT.	EACH	1			1		
* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	28			28		
* 87800150	CONCRETE FOUNDATION, TYPE C	FOOT	8			8		
* 87800200	CONCRETE FOUNDATION, TYPE D	FOOT	6				6	
* 87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	20			20		
* 87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	46			46		
* 88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8			8		
* 88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3			3		

* SPECIALTY ITEM

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: J. J. Green
 CLIENT: MCHENRY COUNTY
 DATE PLOTTED: 1/3/2013 9:27:45 AM
 FILE NAME: 080622-sum.dgn
 PLOT DRIVER: pdf.plt
 PEN TABLE: standard.ctb



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 FILE NAME = 080622-sum.dgn
 PLOT SCALE = N.T.S.
 PLOT DATE = 1/3/2013

DESIGNED - JRM
 DRAWN - JPA
 CHECKED - TH
 DATE - 1/3/13

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**MCHENRY COUNTY
 DIVISION OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: N.T.S. SHEET NO. 6 OF 8 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	9
CONTRACT NO.			63515	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES (CONTD.)

PAYCODE	ITEM DESCRIPTION	UNIT	TOTAL	MCDOT			JOHNSBURG	
				ROADWAY 80% FEDERAL 20% LOCAL 0004	RETAINING WALL 80% FEDERAL 20% LOCAL 0040	SIGNALS/LIGHTING 80% FEDERAL 20% LOCAL 0021	ITEP 80% FEDERAL 20% LOCAL 0031	VILLAGE OF JOHNSBURG 100% LOCAL 0043
* 88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	5			5		
* 88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	5			5		
* 88030240	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	2			2		
* 88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2			2		
* 88200110	TRAFFIC SIGNAL BACKPLATE, LOUVERED	EACH	13			13		
* 88700200	LIGHT DETECTOR	EACH	4					4
* 88700300	LIGHT DETECTOR AMPLIFIER	EACH	2					2
* 88800100	PEDESTRIAN PUSH-BUTTON	EACH	2			2		
* 89502400	REMOVE EXISTING FLASHING BEACON INSTALLATION COMPLETE	EACH	1			1		
X0322936	REMOVE EXISTING FLARED END SECTION	EACH	6	6				
* X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	506					506
* X0325714	FLASHING BEACON, POST MOUNTED, SOLAR POWERED INSTALLATION	EACH	2				2	
* X0326749	AIR RELEASE VALVE MANHOLE	EACH	1					1
X2070304	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	610		610			
X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	200	200				
X4023000	TEMPORARY ACCESS (ROAD)	EACH	1	1				
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	18,748	18,748				
X6020096	MANHOLES, TYPE A, 6'-DIAMETER, WITH 2 TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE	EACH	1	1				
X6020294	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE	EACH	1	1				
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1				
X7280105	TELESCOPING STEEL SIGN SUPPORT (SPECIAL)	FOOT	1,100	1,100				
X7310110	BASE FOR TELESCOPING SIGN SUPPORT, SPECIAL	EACH	69	69				
* X7810300	RECESSED REFLECTIVE PAVEMENT MARKER	EACH	442	442				
* X8570226	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	2			2		
* X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	2			2		
Z0004556	HOT-MIX ASPHALT SURFACE REMOVAL (DECK)	SQ YD	352	352				
Z0013302	SEGMENTAL CONCRETE BLOCK WALL	SD FT	1,000	1,000				
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1				
Z0017400	DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED	EACH	2	2				
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	6	6				
Z0018700	DRAINAGE STRUCTURE TO BE REMOVED	EACH	15	15				
Z0022800	FENCE REMOVAL	FOOT	626	626				
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	1,160	1,160				
Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	225		225			

* SPECIALTY ITEM

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: HRGreen.com
 CLIENT: HRGreen.com
 DATE PLOTTED: 1/3/2013 9:27:50 AM
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 PLOT DRIVER: pdfwrite
 PEN TABLE: standard-trans.tbl



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 PLOT DATE = 1/3/2013

DESIGNED - JRM
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 CHECKED - TH
 DATE - 1/3/13

REVISED -
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**MCHENRY COUNTY
DIVISION OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: N.T.S. SHEET NO. 7 OF 8 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	10
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 63515	

SUMMARY OF QUANTITIES (CONTD.)

PAYCODE	ITEM DESCRIPTION	UNIT	TOTAL	MCDOT			JOHNSBURG	
				ROADWAY 80% FEDERAL 20% LOCAL 0004	RETAINING WALL 80% FEDERAL 20% LOCAL 0040	SIGNALS/LIGHTING 80% FEDERAL 20% LOCAL 0021	ITEP 80% FEDERAL 20% LOCAL 0031	VILLAGE OF JOHNSBURG 100% LOCAL 0043
Z0062456	TEMPORARY PAVEMENT	SQ YD	1,725	1,725				
Z0066400	STABILIZED DRIVEWAYS 6"	SQ YD	900	900				
Z0066600	STABILIZED DRIVEWAYS 8"	SQ YD	611	611				
X Z0076600	TRAINEES	HOUR	1,000	1,000				
X Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	1,000	1,000				
* XX007824	BRICK PAVER ACCENT STRIP	SQ FT	2,382				2,382	
* XX005283	BRICK PAVER CROSSWALK	SQ FT	550				550	
XX008824	CATCH BASINS, SPECIAL	EACH	3	3				
XX008825	FORCE MAIN, 14"	FOOT	542					542
* XX008826	LUMINAIRE, METAL HALIDE, 175 WATT	EACH	9				9	
* XX008827	ORNAMENTAL LIGHT UNIT WITH BANNER COMPLETE	EACH	10				10	
* XX008828	ORNAMENTAL LIGHT UNIT WITH PLANTER, COMPLETE	EACH	10				10	
* XX008829	REMOVAL AND DISPOSAL OF EXISTING FORCE MAIN	FOOT	532					532
* XX005230	VIDEO DETECTION SYSTEM COMPLETE INTERSECTION	L SUM	1			1		

*SPECIALTY ITEM
XCONSTRUCTION TYPE CODE 0042

COMPANY NAME: HRGreen
PROJECT CONTACT: HRGreen.com
CLIENT: Illinois Professional Design Firm
DATE PLOTTED: 1/3/2013 9:27:53 AM
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PLOT DRIVER: pdf...
PEN TABLE: ...



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PLOT DATE = 1/3/2013	DATE - 1/3/13	REVISED -

**MCHENRY COUNTY
DIVISION OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: N.T.S. SHEET NO. 8 OF 8 SHEETS STA. TO STA.

F.A.U. RTE. 168	SECTION 05-00314-00-WR	COUNTY MCHENRY	TOTAL SHEETS 187	SHEET NO. 11
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 63515				

PJOHN	PRE-STAGE (CU YD)				STAGE 1 (CU YD)				STAGE 2 (CU YD)				EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) WITH 20% SHRINKAGE		
	STATION	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	EARTH EXCAVATION	EMBANKMENT	AGGREGATE SUBGRADE IMPROVEMENT	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	EARTH EXCAVATION	EMBANKMENT	AGGREGATE SUBGRADE IMPROVEMENT	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	EARTH EXCAVATION	EMBANKMENT	AGGREGATE SUBGRADE IMPROVEMENT	STAGE 1	STAGE 2
	102+00.00													0.0	0.0
	102+50.00	0.0	0.0	0.0	0.0	0.0	30.4	0.0	17.4	41.1	36.1	6.6	-30.4	-3.2	
	102+70.34	0.0	0.0	0.0	0.0	0.0	11.6	0.0	8.8	17.1	13.3	3.8	-11.6	0.4	
	103+00.00	0.0	0.0	0.0	0.0	0.7	1.9	15.6	14.8	16.9	24.2	6.8	-14.1	-10.7	
	103+50.00	0.0	0.0	0.0	0.0	6.7	3.1	36.4	29.9	36.6	46.3	14.5	-33.9	-17.0	
	103+72.14	0.0	0.0	0.0	0.0	6.5	0.0	27.5	15.2	22.3	16.6	7.7	-27.5	1.3	
	104+00.00	0.0	0.0	0.0	0.0	10.7	0.0	43.6	18.2	20.3	26.8	8.9	-43.6	-10.5	
	104+50.00	0.0	0.0	0.0	0.0	15.8	4.1	65.1	22.6	18.3	52.4	6.9	-61.8	-37.7	
	105+00.00	0.0	0.0	0.0	0.0	15.6	13.2	63.1	30.1	42.3	46.5	7.9	-52.6	-12.6	
	105+25.00	0.0	0.0	0.0	0.0	8.8	10.6	32.6	23.6	38.8	21.6	7.7	-24.1	9.5	
	105+50.00	0.0	0.0	0.0	0.0	8.6	12.0	27.2	22.4	35.6	20.5	7.4	-17.6	7.9	
	106+00.00	0.0	0.0	0.0	0.0	16.3	17.8	49.0	37.0	36.3	46.9	9.1	-34.8	-17.9	
	106+50.00	0.0	0.0	0.0	0.0	12.2	18.0	38.1	32.2	49.7	41.3	3.9	-23.8	-1.5	
	107+00.00	0.0	0.0	0.0	0.0	16.1	29.2	34.3	19.6	53.0	36.9	1.9	-10.9	5.5	
	107+30.01	0.0	0.0	0.0	0.0	13.4	16.0	18.7	2.8	7.0	28.5	0.0	-5.9	-22.9	
	107+50.00	0.0	0.0	0.0	0.0	14.5	21.6	6.2	12.8	22.9	11.4	10.0	11.0	6.9	
	108+00.00	0.4	1.0	0.9	0.0	46.9	85.1	5.1	54.4	93.8	6.7	40.2	63.0	68.4	
	108+50.00	0.4	2.2	1.2	0.0	49.8	90.6	3.9	51.3	120.1	7.5	30.4	68.6	88.6	
	109+00.00	0.0	2.0	0.7	0.0	53.5	122.9	2.5	59.4	198.4	1.8	30.4	95.8	157.0	
	109+50.00	0.0	1.7	0.8	0.0	53.1	165.6	5.0	61.9	229.2	1.3	30.4	127.5	182.0	
	110+00.00	0.0	1.7	0.9	0.0	51.3	153.5	5.9	61.2	224.5	1.8	30.4	116.9	177.9	
	110+50.00	0.0	1.7	0.7	0.0	44.6	94.7	12.5	54.5	159.4	3.1	30.4	63.3	124.5	
	110+78.19	0.0	1.8	0.3	0.0	20.6	51.8	5.7	30.3	57.4	4.4	17.1	35.7	41.5	
	111+00.00	0.0	2.5	0.4	0.0	16.7	36.2	12.3	24.1	36.3	7.1	13.2	16.7	21.9	
	111+17.57	1.2	1.2	1.8	0.0	16.0	16.8	22.3	20.6	27.4	4.7	10.7	-8.9	17.3	
	111+50.00	2.3	2.9	3.3	0.0	32.1	29.7	45.6	36.0	44.0	13.6	19.7	-21.8	21.6	
	112+00.00	0.7	10.6	0.9	0.0	54.4	44.4	81.4	47.7	35.6	46.5	30.4	-45.8	-18.0	
	112+32.76	0.4	4.4	2.4	0.0	38.2	24.5	71.0	38.5	15.7	37.3	19.9	-51.4	-24.8	
	112+50.00	0.0	0.8	2.3	0.0	20.8	9.5	45.1	21.7	4.9	28.8	10.5	-37.4	-24.9	
	113+00.00	0.2	15.0	4.1	0.0	47.3	16.4	190.6	47.1	7.5	185.2	15.2	-177.5	-179.2	
	113+50.00	0.1	26.3	1.3	0.0	36.2	8.9	278.5	33.1	1.9	280.6	0.0	-271.4	-279.1	
	114+00.00	0.1	25.6	1.2	0.0	41.6	7.5	359.4	33.0	3.2	322.2	0.0	-353.4	-319.6	
	114+50.00	0.1	27.5	1.0	0.0	45.7	6.7	437.2	36.0	5.7	354.7	0.0	-431.9	-350.1	
	115+00.00	0.0	46.4	0.4	0.0	39.4	3.1	264.3	34.5	4.8	219.9	0.0	-261.7	-216.1	
	115+50.00	0.0	33.3	0.2	0.0	38.1	0.0	288.8	32.1	2.3	225.1	0.0	-288.8	-223.2	
	116+00.00	0.2	3.2	1.4	0.0	44.3	0.0	509.7	31.0	0.0	362.3	0.0	-509.7	-362.3	
	116+50.00	0.3	4.8	2.0	0.0	43.7	0.0	491.9	30.4	0.0	336.5	0.0	-491.9	-336.5	
	117+00.00	0.3	6.4	1.7	0.0	42.6	0.0	453.6	28.8	0.0	310.6	0.0	-453.6	-310.6	
	117+50.00	0.5	4.4	1.7	0.0	40.6	0.0	391.2	26.7	0.0	262.6	0.0	-391.2	-262.6	
	118+00.00	0.3	3.7	1.4	0.0	37.5	0.0	311.6	23.5	0.0	194.1	0.0	-311.6	-194.1	
	118+50.00	0.0	4.8	0.8	0.0	50.9	13.1	188.9	38.6	6.1	124.1	18.0	-178.4	-119.2	
	119+00.00	0.5	9.0	0.3	0.0	60.6	43.7	79.5	50.5	28.3	77.7	36.4	-44.6	-55.0	
	119+50.00	1.8	6.7	2.3	0.0	51.4	63.2	30.2	51.2	71.2	34.2	36.9	20.4	22.8	
	120+00.00	3.5	0.1	5.8	0.0	49.1	149.2	7.8	54.3	117.4	1.1	36.9	111.6	92.8	
	120+50.00	14.1	0.0	9.7	0.0	60.0	269.7	0.1	59.3	203.1	0.6	36.9	215.7	161.9	
	121+00.00	30.0	0.0	13.9	0.0	69.4	341.5	0.4	69.4	327.3	0.6	36.9	272.8	261.3	
	121+50.00	53.7	0.0	18.6	0.0	70.1	416.2	0.6	75.8	469.9	0.6	36.9	332.4	375.4	
	122+00.00	76.7	0.0	22.3	0.0	71.9	483.0	0.6	81.0	603.7	0.6	36.9	385.8	482.4	
	122+50.00	79.5	0.0	22.7	0.0	72.0	512.4	0.6	82.4	663.1	0.6	36.9	409.4	530.0	
	123+00.00	63.2	0.0	21.7	0.0	70.9	524.1	0.6	83.0	676.1	0.6	36.9	418.7	540.3	
	123+50.00	43.2	0.0	18.6	0.0	69.6	515.0	0.6	83.9	645.0	0.6	36.9	411.4	515.4	
	124+00.00	34.4	0.0	14.9	0.0	68.2	475.6	0.6	85.4	587.6	0.6	36.9	379.9	469.5	
	124+50.00	36.9	0.0	15.3	0.0	67.4	450.7	0.6	88.4	624.1	0.6	36.9	360.0	498.7	
	125+00.00	43.6	0.0	17.6	0.0	67.2	440.0	0.6	91.6	683.6	0.5	36.9	351.4	546.4	
	125+50.00	41.9	0.0	17.1	0.0	67.5	433.2	0.6	91.9	628.1	0.5	36.9	346.0	502.1	
	126+00.00	36.4	0.0	15.8	0.0	69.4	439.9	0.6	91.3	535.3	0.6	36.9	351.4	427.7	
	126+50.00	39.2	0.0	17.0	0.0	73.1	458.5	0.6	90.9	462.8	0.6	36.9	366.3	369.7	
	127+00.00	52.3	0.0	20.7	0.0	76.6	486.9	0.6	89.0	424.0	0.6	36.9	388.9	338.6	
	127+50.00	61.6	0.0	23.1	0.0	78.1	496.9	0.4	83.2	361.4	0.6	36.9	397.1	288.6	
	128+00.00	61.2	0.0	21.3	0.0	76.0	424.8	0.4	73.2	239.2	0.6	36.9	339.5	190.7	
	128+50.00	29.9	0.0	9.5	0.0	71.6	294.0	0.6	55.7	140.7	0.7	36.9	234.6	111.9	
	129+00.00	0.0	0.0	0.0	0.0	61.6	176.3	4.8	40.6	96.2	0.5	36.9	136.2	76.5	

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 CLIENT: HRGreen.com
 DATE PLOTTED: 12/19/2012 2:24:53 PM
 PLOT NUMBER: 080622-sch-01.dgn
 PEN TABLE: Standard-Trans.dgn



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PLOT DATE = 12/19/2012	DATE = 12/19/12	REVISED =

MCHENRY COUNTY
DIVISION OF TRANSPORTATION

SCHEDULE OF QUANTITIES
JOHNSBURG ROAD RECONSTRUCTION

SCALE: N.T.S. SHEET NO. 1 OF 4 SHEETS STA. TO STA.

F.A.U. RTE. 168	SECTION 05-00314-00-WR	COUNTY MCHENRY	TOTAL SHEETS 187	SHEET NO. 12
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 63515				

PJOHN	PRE-STAGE (CU YD)				STAGE 1 (CU YD)				STAGE 2 (CU YD)				EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) WITH 20% SHRINKAGE	
	STATION	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	EARTH EXCAVATION	EMBANKMENT	AGGREGATE SUBGRADE IMPROVEMENT	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	EARTH EXCAVATION	EMBANKMENT	AGGREGATE SUBGRADE IMPROVEMENT	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	EARTH EXCAVATION	EMBANKMENT	AGGREGATE SUBGRADE IMPROVEMENT	STAGE 1
129+16.78	0.0	0.0	0.0	0.0	19.8	43.0	1.5	15.4	12.9	28.3	0.6	12.4	32.9	22.0
129+50.00	0.0	0.0	0.0	0.0	43.5	89.3	9.4	32.1	25.2	52.7	4.6	23.9	62.1	37.6
130+00.00	0.0	0.0	0.0	0.0	69.3	131.0	22.7	52.5	38.0	70.4	7.8	35.2	82.1	48.5
130+50.00	0.0	0.0	0.0	0.0	50.6	86.9	45.9	34.0	23.4	37.5	23.2	20.0	23.6	6.8
130+83.05	0.0	0.0	0.0	0.0	19.4	28.2	38.4	8.4	5.3	7.2	26.4	3.2	-15.9	-20.7
131+00.00	0.0	0.0	0.0	0.0	10.0	12.8	14.8	4.2	3.1	3.9	13.0	1.6	-4.6	-9.9
131+50.00	0.0	0.0	0.0	0.0	14.9	19.4	24.8	6.3	15.6	13.6	51.8	4.9	-9.3	-40.9
132+00.00	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	10.7	7.9	33.0	2.5	-1.9	-26.7
132+50.00	0.0	0.0	0.0	0.0	4.2	3.9	21.7	0.9	2.8	6.3	23.1	2.4	-18.6	-18.1
133+00.00	0.0	0.0	0.0	0.0	9.9	3.9	45.0	0.9	9.4	9.8	51.9	2.8	-41.9	-44.0
134+00.00	0.0	0.0	0.0	0.0	14.8	0.0	89.1	0.0	31.3	7.0	146.7	0.7	-89.1	-141.0
134+50.00	0.0	0.0	0.0	0.0	4.8	0.0	43.1	0.0	11.9	0.0	75.4	0.0	-43.1	-75.4
135+00.00	0.0	0.0	0.0	0.0	4.1	0.0	47.2	0.0	4.4	0.0	61.2	0.0	-47.2	-61.2
135+50.00	0.0	0.0	0.0	0.0	7.3	0.0	45.7	0.0	4.5	3.1	56.8	0.0	-45.7	-54.3
136+00.00	0.0	0.0	0.0	0.0	6.4	0.0	45.4	0.0	6.1	5.7	55.8	0.0	-45.4	-51.2
136+50.00	0.0	0.0	0.0	0.0	0.4	0.0	47.4	0.0	7.2	6.1	57.3	0.0	-47.4	-52.4
137+00.00	0.0	0.0	0.0	0.0	3.6	0.0	44.6	0.0	8.4	4.7	60.2	0.0	-44.6	-56.4
137+50.00	0.0	0.0	0.0	0.0	7.6	0.0	46.1	0.0	9.2	3.0	61.4	0.0	-46.1	-59.0
138+00.00	0.0	0.0	0.0	0.0	9.7	0.0	50.0	0.0	10.4	4.0	55.6	0.0	-50.0	-52.4
138+50.00	0.0	0.0	0.0	0.0	11.2	0.0	50.3	0.0	13.1	9.7	46.0	0.7	-50.3	-38.2
139+00.00	0.0	0.0	0.0	0.0	12.4	0.0	46.7	0.0	15.6	14.9	36.0	2.6	-46.7	-24.1
139+50.00	0.0	0.0	0.0	0.0	16.6	11.6	35.9	1.7	19.4	28.1	30.3	6.0	-26.7	-7.8
140+00.00	0.0	0.0	0.0	0.0	26.4	73.1	25.3	4.1	24.6	45.1	25.9	8.9	33.2	10.1
140+50.00	0.0	0.0	0.0	0.0	38.4	181.4	22.8	5.2	28.8	50.5	24.6	9.2	122.3	15.7
141+00.00	0.0	0.0	0.0	0.0	44.6	264.8	20.7	6.0	28.0	40.6	25.1	8.8	191.1	7.4
141+50.00	0.0	0.0	0.0	0.0	41.9	234.3	19.7	6.8	24.0	27.3	27.6	8.1	167.7	-5.7
142+00.00	0.0	0.0	0.0	0.0	34.6	132.9	20.2	7.0	23.0	31.1	30.6	7.3	86.1	-5.7
142+50.00	0.0	0.0	0.0	0.0	29.4	80.9	22.7	7.1	20.9	35.4	30.3	6.6	42.1	-2.0
143+00.00	0.0	0.0	0.0	0.0	27.7	64.1	23.8	8.1	17.7	23.1	32.3	4.9	27.5	-13.9
143+50.00	0.0	0.0	0.0	0.0	24.7	42.3	23.5	8.6	17.3	11.1	70.3	3.7	10.3	-61.4
143+76.59	0.0	0.0	0.0	0.0	13.8	20.4	11.4	4.5	9.8	5.5	55.9	2.0	4.9	-51.5
144+00.00	0.0	0.0	0.0	0.0	11.8	16.3	10.9	4.0	7.2	5.8	37.8	1.7	2.1	-33.1
144+50.00	0.0	0.0	0.0	0.0	20.1	21.9	29.6	7.9	10.8	11.7	48.9	1.9	-12.1	-39.6
144+68.84	0.0	0.0	0.0	0.0	7.6	8.4	11.8	2.7	3.5	3.6	15.2	0.0	-5.1	-12.3
145+00.00	0.0	0.0	0.0	0.0	14.4	18.1	20.2	4.7	5.7	8.2	32.0	1.4	-5.7	-25.4
145+50.00	0.0	0.0	0.0	0.0	26.2	39.4	34.6	7.7	12.3	15.5	62.5	4.1	-3.1	-50.1
146+00.00	0.0	0.0	0.0	0.0	34.5	52.5	39.9	7.0	13.5	16.0	56.0	3.7	2.1	-43.2
146+50.00	0.0	0.0	0.0	0.0	30.5	37.9	41.9	6.9	10.8	13.7	53.6	3.7	-11.6	-42.6
147+00.00	0.0	0.0	0.0	0.0	15.9	13.8	38.4	7.2	11.7	9.4	58.5	3.8	-27.4	-51.0
147+50.00	0.0	0.0	0.0	0.0	11.0	9.7	46.3	3.6	15.5	10.3	59.4	4.0	-38.5	-51.1
148+00.00	0.0	0.0	0.0	0.0	10.3	11.4	52.1	1.9	16.1	15.5	46.4	5.1	-43.0	-34.0
148+50.00	0.0	0.0	0.0	0.0	16.0	18.4	39.1	5.3	16.0	19.4	29.5	6.4	-24.3	-14.0
149+00.00	0.0	0.0	0.0	0.0	21.9	23.8	29.8	6.8	16.0	17.3	26.5	6.8	-10.8	-12.6
149+50.00	0.0	0.0	0.0	0.0	25.2	30.6	32.4	7.1	20.0	18.1	27.8	6.1	-8.0	-13.3
150+00.00	0.0	0.0	0.0	0.0	27.1	31.2	40.7	7.2	28.0	34.9	31.1	5.9	-15.8	-3.2
150+50.00	0.0	0.0	0.0	0.0	28.9	28.5	49.7	7.4	28.3	44.6	38.4	6.4	-26.9	-2.7
151+00.00	0.0	0.0	0.0	0.0	34.1	25.8	49.6	7.4	26.9	47.1	37.7	6.2	-29.0	0.0
151+50.00	0.0	0.0	0.0	0.0	31.8	18.1	49.4	7.0	28.1	58.0	33.4	6.0	-34.9	12.9
152+00.00	0.0	0.0	0.0	0.0	25.0	14.1	48.1	6.0	29.6	80.2	28.8	6.2	-36.9	35.4
152+50.00	0.0	0.0	0.0	0.0	24.9	15.8	42.2	5.7	31.1	91.1	25.7	6.5	-29.6	47.1
153+00.00	0.0	0.0	0.0	0.0	26.6	28.1	40.0	6.4	32.7	89.8	29.9	6.8	-17.6	41.9
153+50.00	0.0	0.0	0.0	0.0	26.9	39.9	38.7	6.5	34.5	98.5	35.7	6.9	-6.8	43.1
154+00.00	0.0	0.0	0.0	0.0	27.9	46.3	39.8	6.4	35.4	107.2	39.1	7.0	-2.8	46.7
154+50.00	0.0	0.0	0.0	0.0	29.5	44.6	36.5	6.7	35.1	73.2	32.1	7.3	-0.8	26.5
154+62.20	0.0	0.0	0.0	0.0	7.2	9.4	7.5	1.7	6.2	8.6	5.8	1.8	0.0	1.1
155+00.00	0.0	0.0	0.0	0.0	21.1	26.7	24.4	5.2	14.9	20.6	25.7	5.4	-3.0	-9.2
155+50.00	0.0	0.0	0.0	0.0	28.0	43.1	31.5	6.9	24.4	17.4	46.8	7.0	3.0	-32.8
156+00.00	0.0	0.0	0.0	0.0	46.2	61.2	33.9	12.3	25.3	16.6	51.7	6.9	15.1	-38.4
156+50.00	0.0	0.0	0.0	0.0	48.6	56.0	81.9	14.3	25.9	15.2	58.8	6.9	-37.0	-46.6
157+00.00	0.0	0.0	0.0	0.0	34.1	43.7	101.2	10.9	25.7	15.9	57.9	6.9	-66.2	-45.1
157+50.00	0.0	0.0	0.0	0.0	37.5	49.2	95.5	10.9	29.4	20.4	50.3	6.9	-56.1	-34.0
158+00.00	0.0	0.0	0.0	0.0	28.1	52.2	74.5	10.9	25.5	18.7	45.6	6.9	-32.8	-30.6

COMPANY NAME: HRGreen
PROJECT CONTACT: HRGreen.com
DATE PLOTTED: 12/19/2012 2:24:36 PM
PLOT SCALE: N.T.S.
PLOT DWA: 00002-sch-00.dgn
PLOT TABLE: 1
PLOT TABLE: 1



USER NAME = jottone	DESIGNED - JRM	REVISED -
FILE NAME = 000022-sch-01.dgn	DRAWN - JPA	REVISED -
PLOT SCALE = N.T.S.	CHECKED - TH	REVISED -
PLOT DATE = 12/19/2012	DATE - 12/19/12	REVISED -

**MCHENRY COUNTY
DIVISION OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES
JOHNSBURG ROAD RECONSTRUCTION**

SCALE: N.T.S. SHEET NO. 2 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	13
CONTRACT NO.			63515	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PJOHN	PRE-STAGE (CU YD)				STAGE 1 (CU YD)				STAGE 2 (CU YD)				EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) WITH 20% SHRINKAGE	
	STATION	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	EARTH EXCAVATION	EMBANKMENT	AGGREGATE SUBGRADE IMPROVEMENT	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	EARTH EXCAVATION	EMBANKMENT	AGGREGATE SUBGRADE IMPROVEMENT	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	EARTH EXCAVATION	EMBANKMENT	AGGREGATE SUBGRADE IMPROVEMENT	STAGE 1
158+50.00	0.0	0.0	0.0	0.0	13.3	46.7	29.9	11.1	18.0	12.5	42.8	5.4	7.4	-32.8
159+00.00	0.0	0.0	0.0	0.0	11.3	47.7	23.7	11.3	26.8	16.6	37.1	3.9	14.4	-23.9
159+50.00	0.0	0.0	0.0	0.0	14.3	41.0	22.4	11.4	31.7	28.9	37.1	8.0	10.4	-14.0
160+00.00	0.0	0.0	0.0	0.0	18.7	28.1	28.9	9.9	18.8	37.8	45.8	6.0	-6.4	-15.6
160+38.52	0.0	0.0	0.0	0.0	20.0	19.4	32.1	7.3	38.2	105.5	40.7	17.0	-16.6	43.7
160+50.00	0.0	0.0	0.0	0.0	8.1	9.8	5.9	5.2	21.8	47.9	6.4	12.4	1.9	31.9
161+00.00	0.0	0.0	0.0	0.0	36.9	55.2	3.0	34.6	100.4	194.5	0.1	59.1	41.2	155.5
161+19.75	0.0	0.0	0.0	0.0	14.4	19.2	1.5	13.7	32.8	68.7	0.1	21.4	13.9	54.8
161+50.00	0.0	0.0	0.0	0.0	26.4	36.1	3.3	21.0	40.1	84.9	0.4	30.6	25.6	67.5
161+62.63	0.0	0.0	0.0	0.0	12.6	18.9	0.7	8.7	16.4	34.5	0.2	11.6	14.4	27.5
162+00.00	0.0	0.0	0.0	0.0	37.3	62.4	1.0	25.9	39.8	87.8	0.5	30.7	48.9	69.8
162+21.05	0.0	0.0	0.0	0.0	21.9	38.9	15.2	14.6	17.9	40.1	0.2	15.0	15.9	31.9
162+50.00	0.0	0.0	0.0	0.0	29.9	50.7	26.5	20.1	24.8	50.6	1.4	19.8	14.1	39.1
162+59.83	0.0	0.0	0.0	0.0	11.7	16.5	4.7	6.8	9.0	17.1	1.3	6.7	8.5	12.4
163+00.00	0.0	0.0	0.0	0.0	46.0	72.8	12.7	27.8	39.2	72.1	3.9	27.5	45.5	53.8
163+10.00	0.0	0.0	0.0	0.0	8.7	22.3	0.7	6.9	9.7	21.0	3.1	6.9	17.2	13.8
163+25.00	0.0	0.0	0.0	0.0	11.6	38.0	0.1	10.4	12.1	36.7	4.5	10.4	30.3	24.9
163+50.00	0.0	0.0	0.0	0.0	20.1	56.3	0.4	17.3	19.4	56.1	0.4	17.3	44.6	44.5
164+00.00	0.0	0.0	0.0	0.0	44.5	95.9	1.6	34.6	45.7	100.2	0.9	34.3	75.2	79.2
164+50.00	0.0	0.0	0.0	0.0	42.1	90.2	1.1	34.6	47.3	95.1	2.1	34.3	71.0	73.9
164+61.48	0.0	0.0	0.0	0.0	10.4	21.6	0.1	8.0	10.5	20.2	1.1	7.9	17.2	15.1
165+00.00	0.0	0.0	0.0	0.0	35.4	70.3	3.6	26.7	37.0	72.3	2.3	26.4	52.7	55.6
165+17.51	0.0	0.0	0.0	0.0	14.9	29.4	3.1	12.1	17.7	35.6	0.0	12.0	20.4	28.5
165+50.00	0.0	0.0	0.0	0.0	27.8	55.2	5.8	22.5	31.5	65.9	0.2	22.3	38.3	52.5
166+00.00	0.0	0.0	0.0	0.0	42.2	94.6	4.6	34.6	46.0	104.4	0.6	34.3	71.1	83.0
166+16.21	0.0	0.0	0.0	0.0	14.7	33.8	0.0	11.2	15.7	36.2	0.1	11.1	27.0	28.9
166+27.69	0.0	0.0	0.0	0.0	11.3	23.9	0.0	8.0	11.7	26.1	0.1	7.9	19.1	20.8
166+34.16	0.0	0.0	0.0	0.0	6.4	13.1	0.1	4.5	6.5	14.3	0.1	4.4	10.4	11.4
166+50.00	0.0	0.0	0.0	0.0	15.7	31.4	0.6	11.0	14.1	32.1	0.2	10.9	24.5	25.5
166+68.87	0.0	0.0	0.0	0.0	18.7	38.1	0.4	13.1	17.0	37.7	0.1	12.9	30.1	30.1
167+00.00	0.0	0.0	0.0	0.0	27.3	66.4	0.5	21.6	31.8	65.1	1.8	21.3	52.7	50.2
167+20.13	0.0	0.0	0.0	0.0	17.6	43.9	0.3	13.9	20.8	44.1	1.2	13.8	34.8	34.1
167+23.09	0.0	0.0	0.0	0.0	2.9	6.4	0.0	2.1	3.1	6.8	0.0	2.0	5.1	5.4
167+41.02	0.0	0.0	0.0	0.0	16.9	37.2	0.1	12.4	15.4	36.4	1.1	12.3	29.7	28.0
167+50.00	0.0	0.0	0.0	0.0	8.2	17.9	0.1	6.2	7.1	16.7	0.7	6.2	14.2	12.7
167+56.13	0.0	0.0	0.0	0.0	5.2	12.8	0.2	4.2	5.5	12.0	0.1	4.2	10.0	9.5
168+00.00	0.0	0.0	0.0	0.0	36.7	92.6	1.1	30.2	37.5	77.5	0.2	30.1	73.0	61.8
168+50.00	0.0	0.0	0.0	0.0	45.1	98.2	0.1	34.3	40.2	80.6	0.1	34.3	78.5	64.4
168+90.00	0.0	0.0	0.0	0.0	31.7	89.2	0.0	27.4	29.5	72.6	0.0	27.4	71.3	58.1
168+95.00	0.0	0.0	0.0	0.0	3.4	11.5	0.0	3.4	3.4	10.0	0.0	3.4	9.2	8.0
169+00.00	0.0	0.0	0.0	0.0	3.9	9.8	0.0	3.4	3.7	9.1	0.0	3.4	7.8	7.3

STATION	STAGE 1 (CU YD)			STAGE 2 (CU YD)		
	UNSUITABLE	EMBANKMENT	AGGREGATE SUBGRADE IMPROVEMENT	UNSUITABLE	EMBANKMENT	AGGREGATE SUBGRADE IMPROVEMENT
30+30.00						
30+50.00	68.2	0.9	11.9	41.2	0.5	8.0
31+00.00	214.0	2.9	36.4	61.6	2.6	12.6
31+11.42	14.9	0.7	2.6	10.0	0.5	1.6
31+50.00	31.2	1.2	6.3	33.4	0.9	5.1
32+00.00	45.1	3.5	6.8	40.7	1.4	5.8
32+50.00	45.8	4.6	6.6	41.0	7.4	5.1
33+00.00	39.2	2.4	6.5	41.8	14.4	5.1
33+50.00	39.7	2.0	6.5	40.4	8.6	5.3
34+00.00	39.0	2.3	6.0	37.6	1.1	5.2
34+15.00	10.8	0.6	1.6	10.7	0.2	1.4
34+27.82	8.5	0.3	1.2	9.8	0.2	1.1
34+50.00	13.2	1.0	1.8	14.5	0.5	1.8
35+00.00	30.8	1.7	3.8	27.1	0.6	3.9

STATION	STAGE 1 (CU YD)			STAGE 2 (CU YD)		
	UNSUITABLE	EMBANKMENT	AGGREGATE SUBGRADE IMPROVEMENT	UNSUITABLE	EMBANKMENT	AGGREGATE SUBGRADE IMPROVEMENT
26+50.00						
27+00.00	15.1	9.0	0.4	26.7	0.7	5.0
27+50.00	24.0	12.6	2.3	35.0	0.0	7.2
28+00.00	39.9	19.5	5.5	45.7	0.4	9.5
28+50.00	53.1	33.1	8.0	54.6	0.4	11.3
29+00.00	57.3	27.3	7.6	55.8	0.0	11.7
29+50.00	61.1	31.0	7.9	66.5	6.9	14.0
30+00.00	65.8	57.6	9.1	151.8	6.9	39.5
30+50.00	63.1	34.7	10.0	112.6	0.0	31.3

ITEM NO.	CODE	DESCRIPTION	CROSS SECTION BASED				TOTAL
			JOHNSBURG ROAD	RIVERSIDE DRIVE	SPRING GROVE ROAD	DRAINAGE OUTLET	
1	20200100	EARTH EXCAVATION	27,272.7	0.0	0.0	0.0	27,272.7
2	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	10,611.4	928.1	1,010.1	114.3	12,663.9
3	20400800	FURNISHED EXCAVATION	0.0	240.1	62.9	0.0	303.0
4	30300001	AGGREGATE SUBGRADE IMPROVEMENT	4,478.1	180.2	160.0	0.0	4,818.3

NOTE:
THE QUANTITIES OF REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL AND AGGREGATE SUBGRADE IMPROVEMENT SHOWN HERE HAVE BEEN ESTIMATED AND INCLUDED IN THE SUMMARY OF QUANTITIES TO ACCOUNT FOR INSTALLATION OF AGGREGATE SUBGRADE IMPROVEMENT. SEE EARTHWORK GENERAL NOTE 3.

COMPANY NAME: HRGreen
PROJECT CONTACT: HRGreen.com
CLIENT: HRGreen.com
DATE PLOTTED: 12/20/2012 9:22:46 AM
FILE NAME: 089622-sch-01.dgn
PLOT DRIVER: pdf_dw_no_raster.plt
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	FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT														

(42400200) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH				
STATION	TO	STATION	OFFSET	AREA (SQ FT)
160+34.0		165+00.0	LT	2,731
165+00.0		169+00.0	LT	2,233
160+11.0		164+75.0	RT	2,600
164+75.0		169+00.0	RT	2,453
TOTAL				10,017

(60600605) CONCRETE CURB, TYPE B					
STATION	OFFSET	TO	STATION	OFFSET	LENGTH
160+64.0	RT		161+40.0	RT	76
161+10.8	LT		WEST SIDE OF DRIVEWAY		32
162+25.0	LT		DEGAN PROPERTY FIRST STEP OF WALKWAY		4
TOTAL					112

(63200310) GUARDRAIL REMOVAL					
STATION	OFFSET	TO	STATION	OFFSET	LENGTH
104+28.0	20.0' RT		105+53.0	19.6' RT	125
104+87.0	18.5' LT		105+87.0	18.1' LT	100
114+00.0	20.1' RT		115+25.0	19.4' RT	125
114+86.0	19.5' LT		115+96.0	20.0' LT	110
132+18.0	38.2' RT		135+06.0	29.5' RT	288
132+63.0	34.7' LT		135+71.0	33.0' LT	308
156+03.0	20.6' RT		157+77.0	20.3' RT	174
157+14.0	20.9' LT		158+32.0	19.0' LT	118
29+21.0	21.4' RT		30+32.0	17.8' RT	111
TOTAL					1,459

(44000500) COMBINATION CURB AND GUTTER REMOVAL					
STATION	OFFSET	TO	STATION	OFFSET	LENGTH
101+84.0	23.5' LT		103+88.0	14.6' LT	204
106+64.0	32.5' LT		106+89.0	75.6' LT	64
107+29.0	75.9' LT		107+58.0	31.1' LT	62
119+48.0	16.9' LT		129+51.0	29.2' LT	987
120+20.0	23.5' RT		128+98.0	30.1' RT	881
131+66.0	30.2' LT		131+98.0	65.7' LT	53
132+34.0	66.6' LT		132+63.0	29.0' LT	50
143+73.0	35.6' LT		144+47.0	76.4' LT	111
144+85.0	76.4' LT		146+25.0	31.8' LT	167
147+02.0	21.9' RT		147+44.0	70.7' RT	70
147+69.0	69.8' RT		148+03.0	23.2' RT	62
161+20.0	49.1' LT		161+23.0	22.5' LT	29
26+18.0	14.3' LT		29+30.0	15.6' LT	312
30+14.0	38.0' RT		35+16.0	16.1' LT	510
30+31.0	55.3' RT		35+16.0	15.8' RT	510
TOTAL					4,072

(60602500) CONCRETE GUTTER, TYPE A					
STATION	OFFSET	TO	STATION	OFFSET	LENGTH
107+87.9	24.5' LT		112+48.6	24.5' LT	461
108+58.9	24.5' RT		110+91.7	24.5' RT	233
115+00.0	16.5' LT		129+32.4	16.5' LT	1,432
119+82.7	16.5' RT		128+72.7	16.5' RT	890
TOTAL					3,016

(Z0022800) FENCE REMOVAL					
STATION	OFFSET	TO	STATION	OFFSET	LENGTH
109+97.0	44.7' RT		110+07.0	38.6' RT	9
120+36.0	38.1' RT		122+74.0	38.9' RT	239
127+55.0	65.9' LT		129+62.0	32.2' LT	229
143+68.0	24.3' RT		143+70.0	34.8' RT	7
143+84.0	34.8' RT		143+86.0	26.3' RT	9
148+74.0	40.2' RT		149+60.0	29.3' RT	97
160+92.0	23.4' LT		160+96.0	38.2' LT	15
161+80.0	22.9' LT		161+88.0	30.8' LT	8
167+75.0	24.7' RT		167+83.0	29.1' LT	12
TOTAL					626

(60600095) CLASS SI CONCRETE (OUTLET)	
STATION	OFFSET
111+00.0	RT
112+75.0	LT
119+50.0	RT
132+50.0	LT
139+50.0	RT
143+00.0	LT
158+50.0	LT

(63100167) TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	
STATION	OFFSET
103+18.8	RT
105+31.3	RT
114+50.0	LT
117+50.0	LT
132+17.2	LT
134+40.8	LT
134+57.1	RT
155+87.5	RT
158+25.0	RT
27+86.0	RT (RIVERSIDE)

(63000001) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS					
STATION	OFFSET	TO	STATION	OFFSET	LENGTH
103+18.8	RT		105+31.3	RT	212.5
155+87.5	RT		158+25.0	RT	237.5
TOTAL					450.0

(60603800) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12					
STATION	OFFSET	TO	STATION	OFFSET	LENGTH
101+83.8	21.4' LT		104+29.9	63.6' LT	274
104+53.1	63.8' LT		106+99.4	75.7' LT	311
107+27.7	75.9' LT		107+87.9	24.5' LT	93
128+72.7	20.5' RT		131+02.9	27.5' RT	230
26+49.1	12.9' LT		29+80.2	85.8' LT	381
129+32.4	16.5' LT		131+98.3	65.7' LT	287
132+34.3	66.6' LT		132+58.6	28.0' LT	48
143+11.5	20.8' LT		144+48.7	76.4' LT	164
144+83.1	76.4' LT		148+35.3	18.9' LT	378
147+07.3	17.7' RT		147+45.0	76.1' RT	75
147+66.6	77.2' RT		148+06.4	17.7' RT	76
155+27.4	16.5' RT		169+00.0	16.5' LT	1,373
30+00.0	113.6' RT		35+15.6	15.5' LT	580
30+43.1	79.9' RT		35+15.6	15.3' RT	507
160+69.8	27.5' LT		169+00.0	16.5' LT	832
TOTAL					5,608

(63000003) STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS					
STATION	OFFSET	TO	STATION	OFFSET	LENGTH
114+50.0	LT		117+50.0	LT	300.0
134+03.26	LT		134+40.8	LT	37.5
133+94.63	RT		134+57.1	RT	62.5
27+86 (RIVERSIDE)	RT		132+58.72	RT	287.5
TOTAL					687.5

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 PLOT DRIVER: pcwinplot
 STANDARD: trans.tbl



HRGreen.com
 Inmate Professional Design Firm
 # 184-01122

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 PLOT DATE = 12/20/2012

DESIGNED - JRM
 DRAWN - JPA
 CHECKED - TH
 DATE - 12/20/12

REVISED -
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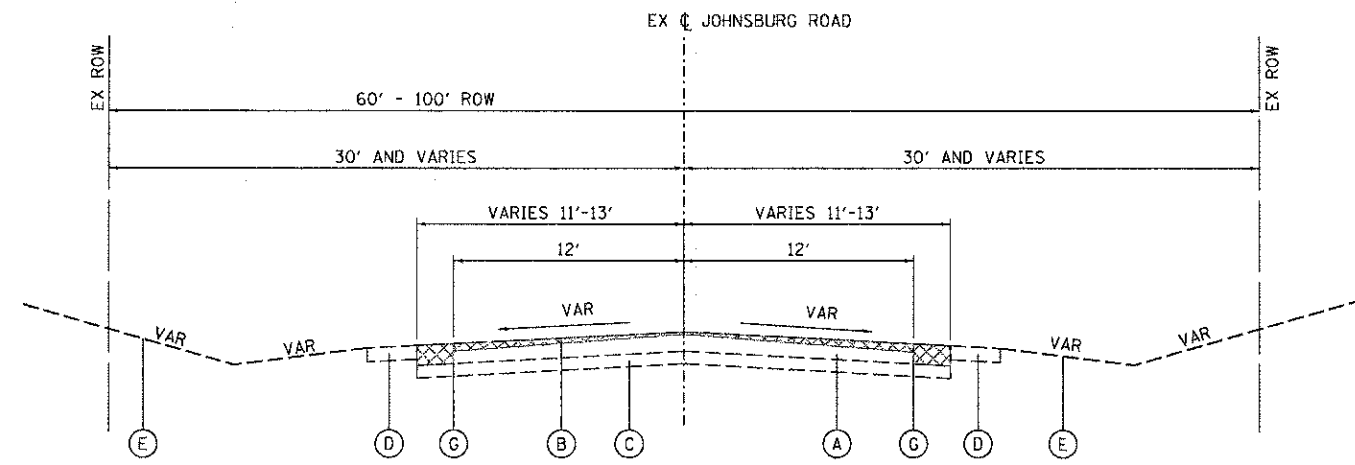
**MCHENRY COUNTY
 DIVISION OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES
 JOHNSBURG ROAD RECONSTRUCTION**

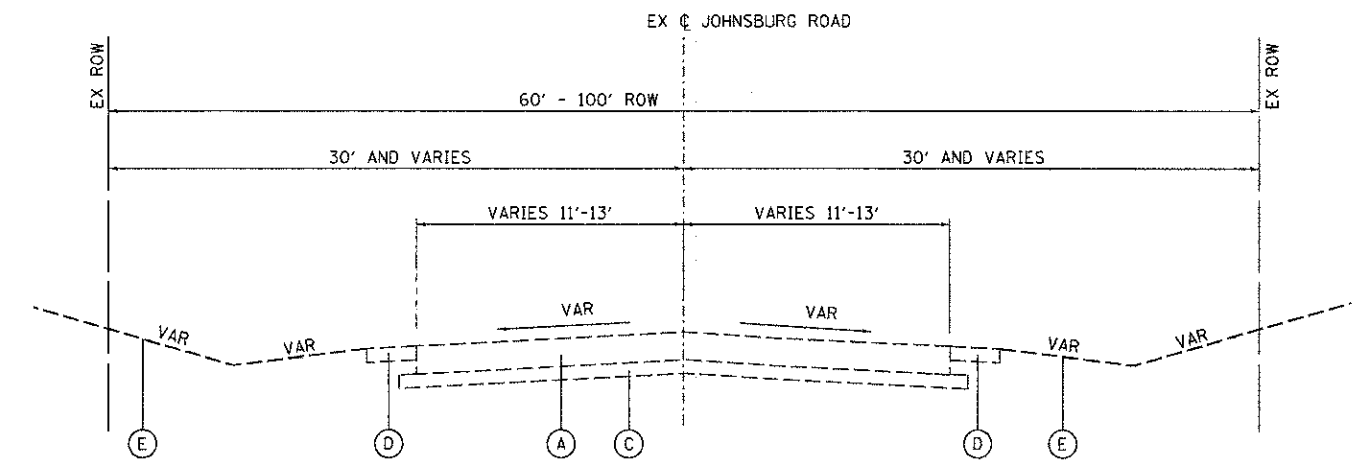
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	15

CONTRACT NO. 63515
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT



**EXISTING TYPICAL SECTION
JOHNSBURG ROAD**
STA 101+27 TO STA 107+50
STA 130+25 TO STA 160+70



**EXISTING TYPICAL SECTION
JOHNSBURG ROAD**
STA 107+50 TO STA 130+25
STA 160+70 TO STA 169+00

EXISTING TYPICAL SECTION LEGEND

- (A) HOT-MIX ASPHALT PAVEMENT; DEPTH VARIES (6" TO 10")
- (B) HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- (C) GRANULAR MATERIAL
- (D) AGGREGATE SHOULDER
- (E) EXISTING GRADE
- (F) COMBINATION CONCRETE CURB AND GUTTER
- (G) SAW CUTTING, (FULL DEPTH)

COMPANY NAME: HRGreen
 PROJECT CONTACT: Jettana
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 PLOT NUMBER: 168
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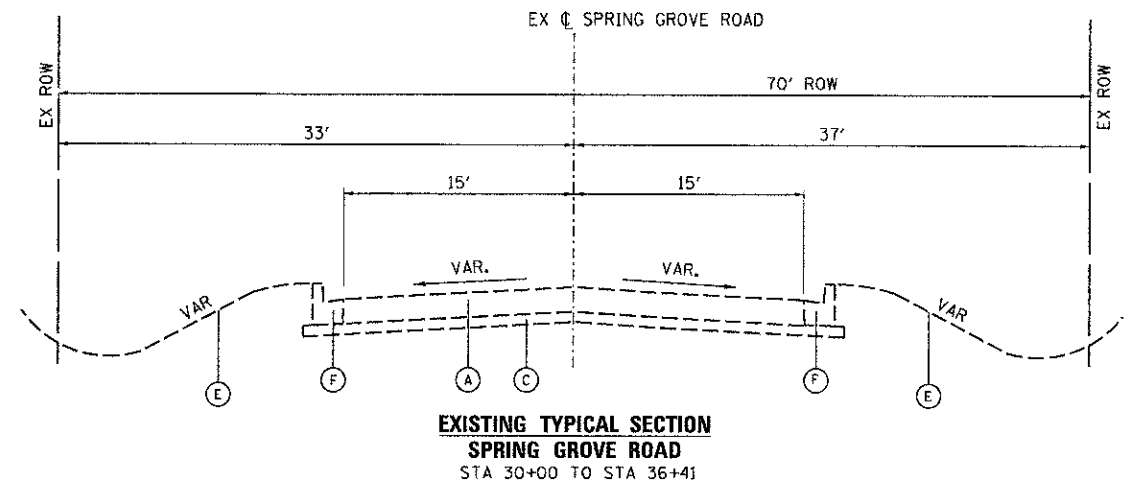
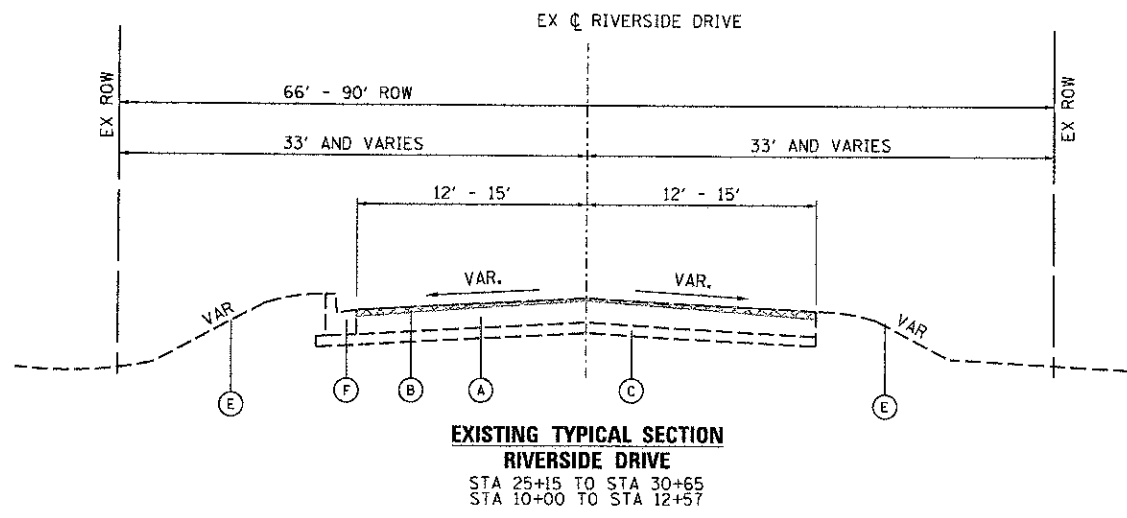
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PLOT DATE = 12/19/2012	DATE - 12/19/12	REVISED -

**MCHENRY COUNTY
DIVISION OF TRANSPORTATION**

**EXISTING TYPICAL SECTIONS
JOHNSBURG ROAD**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	16
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63515	



EXISTING TYPICAL SECTION LEGEND

- (A) HOT-MIX ASPHALT PAVEMENT; DEPTH VARIES (6" TO 10")
- (B) HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- (C) GRANULAR MATERIAL
- (D) AGGREGATE SHOULDER
- (E) EXISTING GRADE
- (F) COMBINATION CONCRETE CURB AND GUTTER
- (G) SAW CUTTING, (FULL DEPTH)

COMPANY NAME: HRGreen
 PROJECT CONTACT: jottone
 CLIENT: MCHENRY COUNTY
 DATE PLOTTED: 12/19/2012 2:24:58 PM
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**MCHENRY COUNTY
DIVISION OF TRANSPORTATION**

**EXISTING TYPICAL SECTIONS
RIVERSIDE DRIVE AND SPRING GROVE ROAD**

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

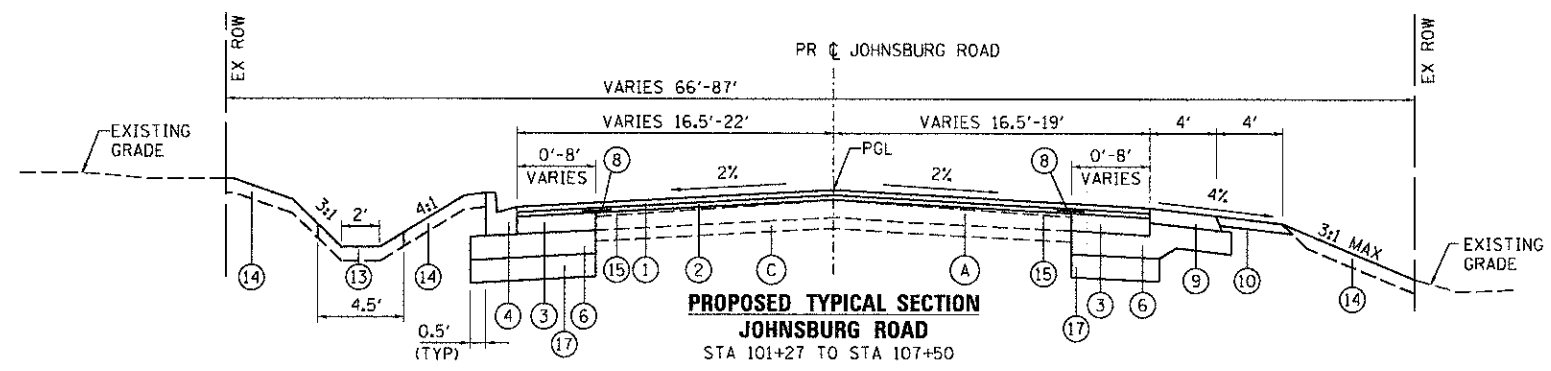
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168	05-00314-00-WR	MCHENRY	187	17
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63515	

EXISTING TYPICAL SECTION LEGEND

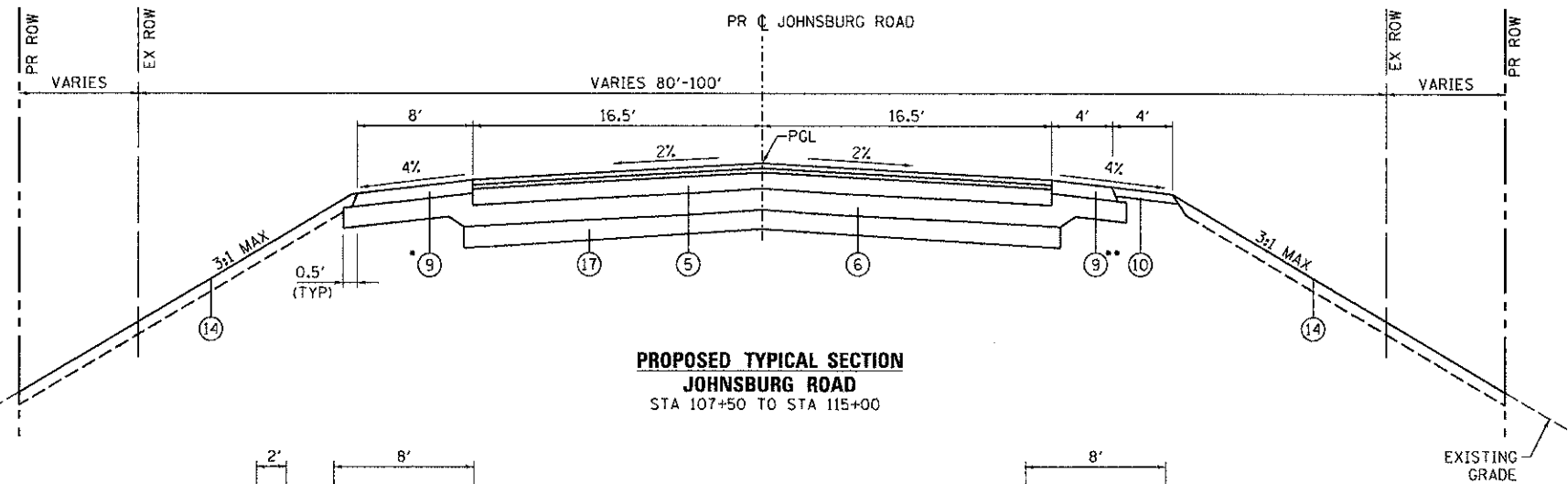
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- (B) HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- (C) GRANULAR MATERIAL
- (D) AGGREGATE SHOULDER
- (E) EXISTING GRADE
- (F) COMBINATION CONCRETE CURB AND GUTTER
- (G) SAW CUTTING, (FULL DEPTH)

PROPOSED TYPICAL SECTION LEGEND

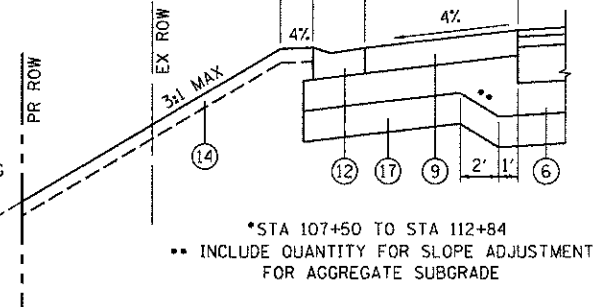
- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
- (2) HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N70, 2-1/4"
- (3) HOT-MIX ASPHALT BASE COURSE, 9"
- (4) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (5) HMA FULL DEPTH PAVEMENT, 13-1/4"
- (6) AGGREGATE SUBGRADE IMPROVEMENT, 12" (50 YD)
- (7) BRICK PAVER ACCENT STRIPS
- (8) STRIP REFLECTIVE CRACK CONTROL TREATMENT
- (9) HOT-MIX ASPHALT SHOULDERS, 8"
- (10) AGGREGATE SHOULDERS, TYPE B, 6"
- (11) PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- (12) CONCRETE GUTTER, TYPE A
- (13) TOPSOIL, FURNISH AND PLACE, 4"; SODDING, SALT TOLERANT
- (14) TOPSOIL, FURNISH AND PLACE, 4"; SEEDING, CLASS VARIES; HEAVY DUTY EROSION CONTROL BLANKET
- (15) HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N70, THICKNESS VARIES (TONS)
- (16) SUB-BASE GRANULAR MATERIAL, TYPE B, 6"
- (17) AGGREGATE SUBGRADE IMPROVEMENT (CU YD)



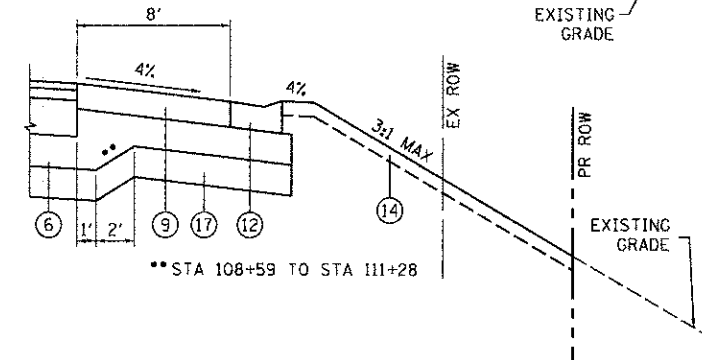
**PROPOSED TYPICAL SECTION
JOHNSBURG ROAD
STA 101+27 TO STA 107+50**



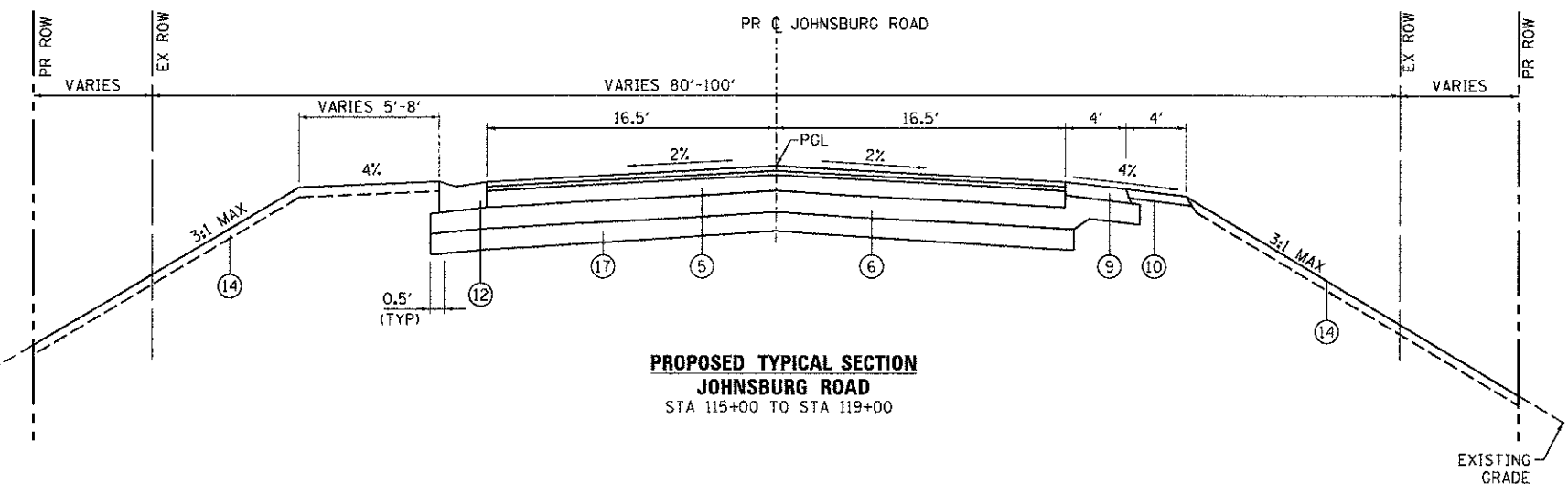
**PROPOSED TYPICAL SECTION
JOHNSBURG ROAD
STA 107+50 TO STA 115+00**



*STA 107+50 TO STA 112+84
** INCLUDE QUANTITY FOR SLOPE ADJUSTMENT FOR AGGREGATE SUBGRADE



**STA 108+59 TO STA 111+28



**PROPOSED TYPICAL SECTION
JOHNSBURG ROAD
STA 115+00 TO STA 119+00**

STRUCTURAL DESIGN TRAFFIC:	YEAR:	2030
PV = 12,205	SU = 129	MU = 514
ROAD/STREET CLASSIFICATION:	CLASS	II
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:	P = 95	S = 1
TRAFFIC FACTOR:	ACTUAL TF = 2.14	M = 4
	MINIMUM T = 0.50	AC TYPE = 20
PG GRADE:	BINDER = 64-22	SURFACE = 64-22
SUBGRADE SUPPORT RATING:	SSR = POOR	(STA. 107+50 TO 103+25)
	SSR = POOR	(STA. 160+44 TO 178+43)

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS @ Ndes
PAVEMENT RESURFACING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5mm); 2"	4% @ 70 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70; 2 1/4"	4% @ 70 GYR.
FULL DEPTH PAVEMENT	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5mm); 2"	4% @ 70 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70; 2 1/4"	4% @ 70 GYR.
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19mm); 9" (IN 3 LIFTS)	4% @ 50 GYR.
WIDENING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5mm); 1 1/2"	4% @ 70 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70; 2 3/4"	4% @ 70 GYR.
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19mm); 9" (IN 3 LIFTS)	4% @ 50 GYR.
SHOULDER RECONSTRUCTION	
HMA SHOULDER (HMA BINDER IL-19mm); 8"	4% @ 50 GYR.
DRIVEWAYS	
HMA SURFACE COURSE, MIX "D", N50; (IL 9.5mm); 2"	4% @ 50 GYR.
HMA BASE COURSE (HMA BINDER IL-19 mm); PE-6"; CE-8" (IN 2 LIFTS)	4% @ 50 GYR.
PATCHING	
CLASS D PATCH (HMA BINDER IL-19 mm)	4% @ 70 GYR.
TEMPORARY PAVEMENT	
HMA SURFACE COURSE, MIX "D", N50; (IL 9.5mm); 2"	4% @ 50 GYR.
TEMP PAVEMENT (HMA BINDER IL-19mm); 6"	4% @ 50 GYR.

- THE UNIT WEIGHT TO CALCULATE ALL HMA SURFACE MIXTURES IS 112 LBS/SQ 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 SPECIAL PROVISIONS.
- NOTE: CONTRACTOR SHALL MILL BEFORE PATCHING

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 PLOT ORIGIN: 0,0
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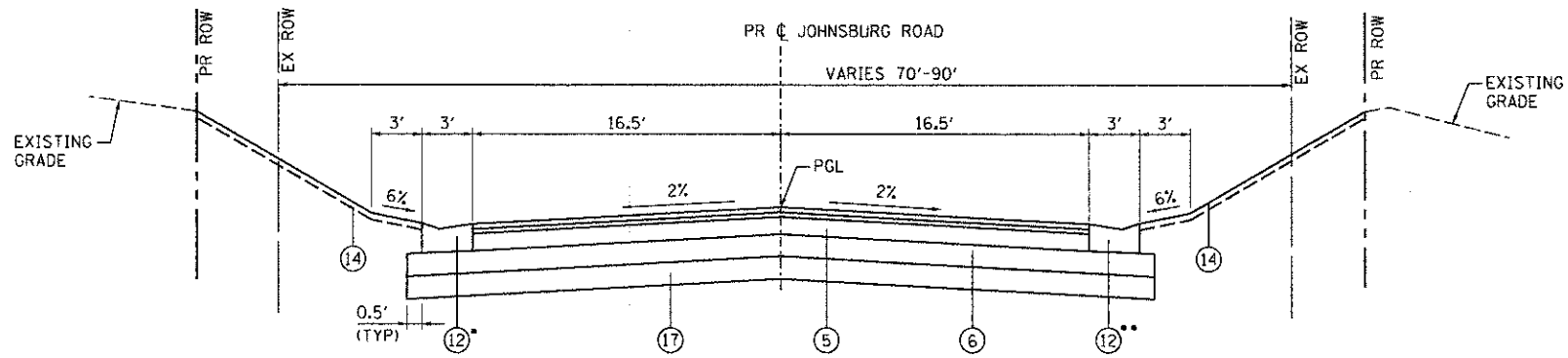
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**MCHENRY COUNTY
DIVISION OF TRANSPORTATION**

**PROPOSED TYPICAL SECTIONS
JOHNSBURG ROAD**

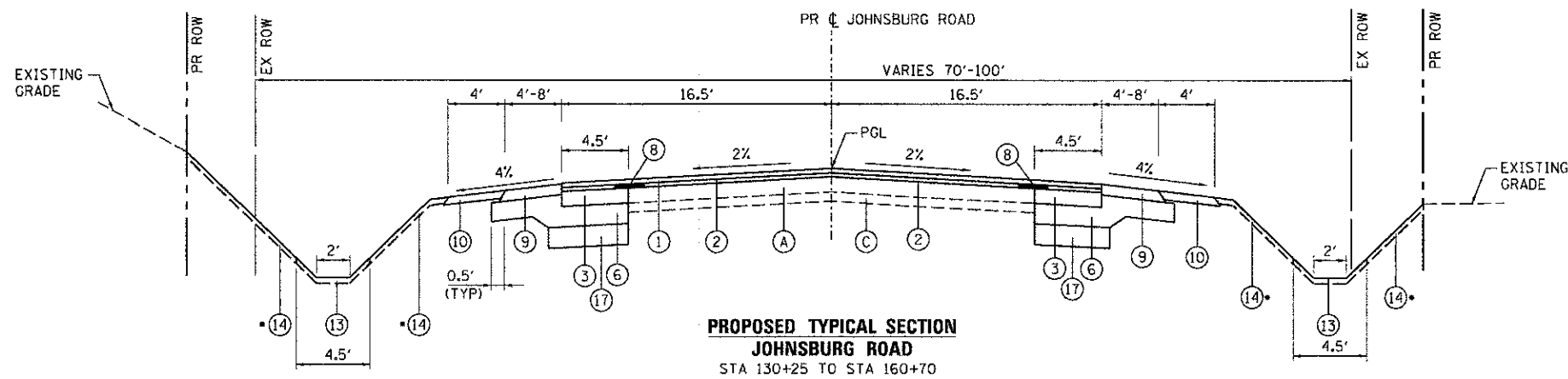
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	18
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63515	

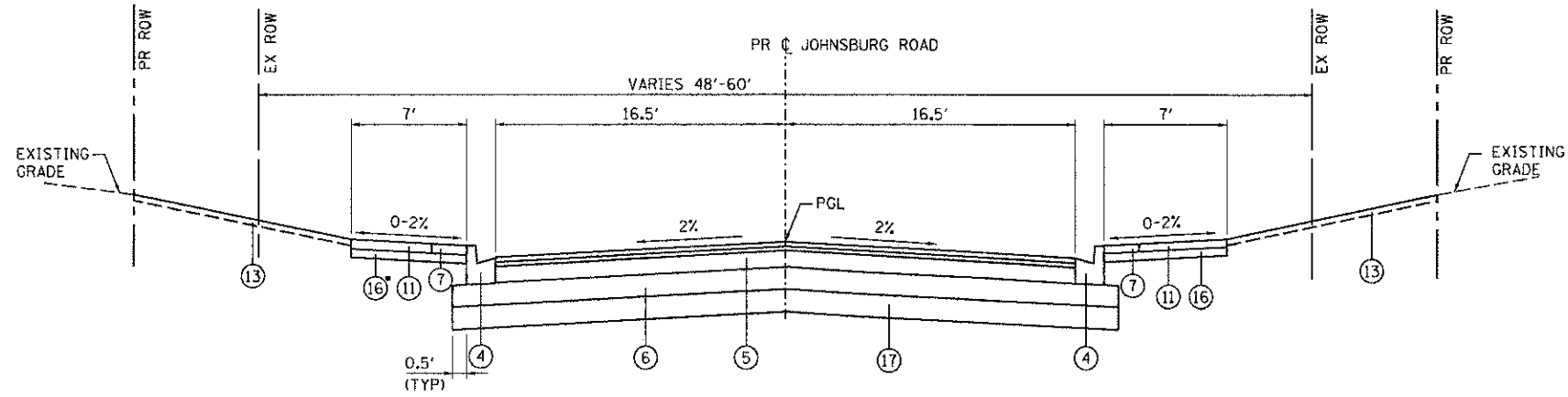


**PROPOSED TYPICAL SECTION
JOHNSBURG ROAD**
STA 119+00 TO STA 130+25

- CONC GUTTER TYPE A TRANSITION TO B-6.12 @ STA 129+42
- CONC GUTTER TYPE A TRANSITION TO B-6.12 @ STA 128+73



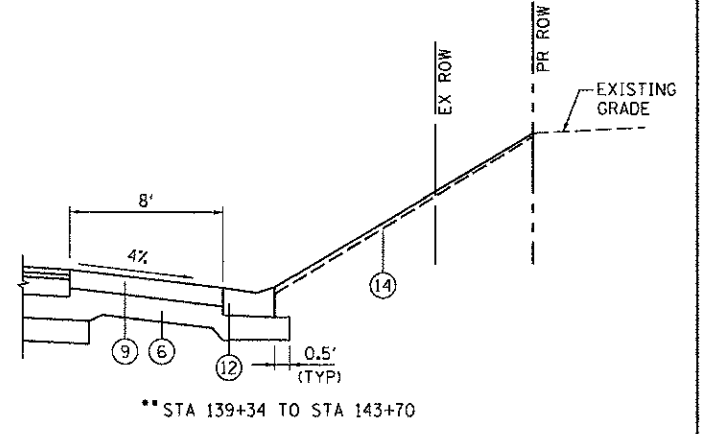
• SEEDING, CLASS 4A STA 132+50 TO STA. 136+00



**PROPOSED TYPICAL SECTION
JOHNSBURG ROAD**
STA 160+70 TO STA 169+00

EXISTING TYPICAL SECTION LEGEND

- (A) HOT-MIX ASPHALT PAVEMENT; DEPTH VARIES (6" TO 10")
- (B) HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- (C) GRANULAR MATERIAL
- (D) AGGREGATE SHOULDER
- (E) EXISTING GRADE
- (F) COMBINATION CONCRETE CURB AND GUTTER
- (G) SAW CUTTING, (FULL DEPTH)



PROPOSED TYPICAL SECTION LEGEND

- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
- (2) HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N70, 2-1/4"
- (3) HOT-MIX ASPHALT BASE COURSE, 9"
- (4) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (5) HMA FULL DEPTH PAVEMENT, 13-1/4"
- (6) AGGREGATE SUBGRADE IMPROVEMENT, 12" (SO YD)
- (7) BRICK PAVER ACCENT STRIPS
- (8) STRIP REFLECTIVE CRACK CONTROL TREATMENT
- (9) HOT-MIX ASPHALT SHOULDERS, 8"
- (10) AGGREGATE SHOULDERS, TYPE B, 6"
- (11) PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- (12) CONCRETE GUTTER, TYPE A
- (13) TOPSOIL, FURNISH AND PLACE, 4"; SODDING, SALT TOLERANT
- (14) TOPSOIL, FURNISH AND PLACE, 4"; SEEDING, CLASS VARIES; HEAVY DUTY EROSION CONTROL BLANKET
- (15) HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N70, THICKNESS VARIES (TNS)
- (16) SUB-BASE GRANULAR MATERIAL, TYPE B, 6"
- (17) AGGREGATE SUBGRADE IMPROVEMENT (CU YD)

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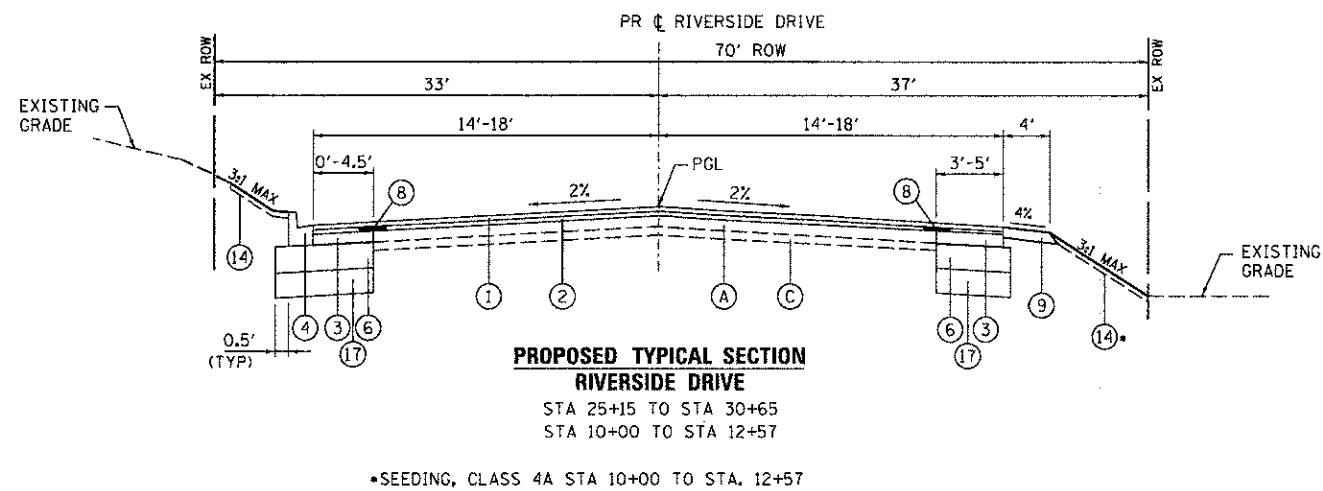
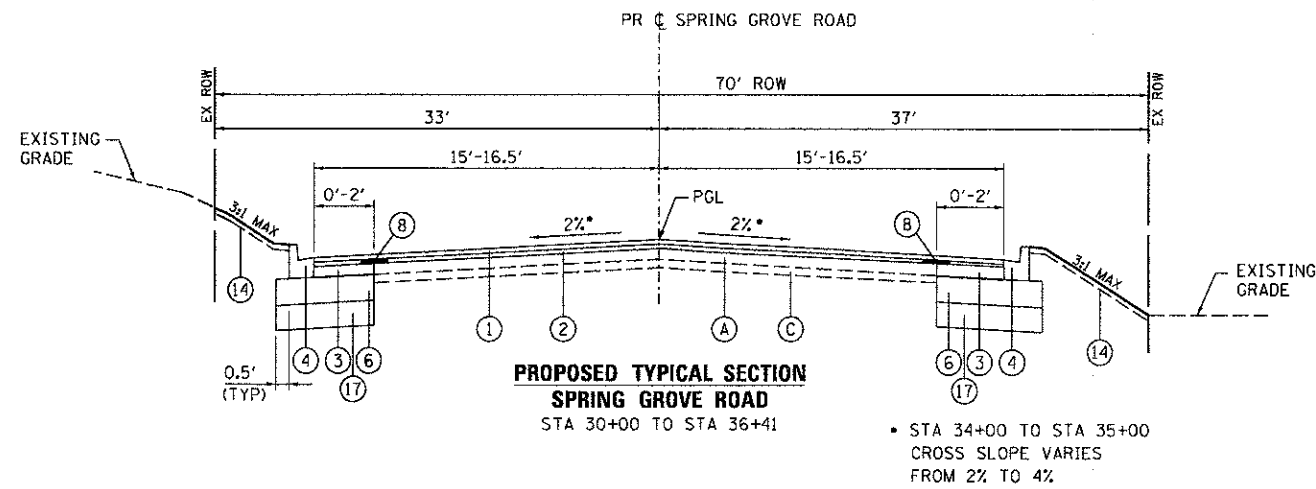
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PLOT DATE = 12/19/2012	DATE - 12/19/12	REVISED -

**MCHENRY COUNTY
DIVISION OF TRANSPORTATION**

**PROPOSED TYPICAL SECTIONS
JOHNSBURG ROAD**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	19
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 63515	



EXISTING TYPICAL SECTION LEGEND

- (A) HOT-MIX ASPHALT PAVEMENT; DEPTH VARIES (6" TO 10")
- (B) HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- (C) GRANULAR MATERIAL
- (D) AGGREGATE SHOULDER
- (E) EXISTING GRADE
- (F) COMBINATION CONCRETE CURB AND GUTTER
- (G) SAW CUTTING, (FULL DEPTH)

PROPOSED TYPICAL SECTION LEGEND

- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
- (2) HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N70, 2-1/4"
- (3) HOT-MIX ASPHALT BASE COURSE, 9"
- (4) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (5) HMA FULL DEPTH PAVEMENT, 13-1/4"
- (6) AGGREGATE SUBGRADE IMPROVEMENT, 12" (50 YD)
- (7) BRICK PAVER ACCENT STRIPS
- (8) STRIP REFLECTIVE CRACK CONTROL TREATMENT
- (9) HOT-MIX ASPHALT SHOULDERS, 8"
- (10) AGGREGATE SHOULDERS, TYPE B, 6"
- (11) PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- (12) CONCRETE GUTTER, TYPE A
- (13) TOPSOIL, FURNISH AND PLACE, 4"; SODDING, SALT TOLERANT
- (14) TOPSOIL, FURNISH AND PLACE, 4"; SEEDING, CLASS VARIES; HEAVY DUTY EROSION CONTROL BLANKET
- (15) HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N70, THICKNESS VARIES (TONS)
- (16) SUB-BASE GRANULAR MATERIAL, TYPE B, 6"
- (17) AGGREGATE SUBGRADE IMPROVEMENT (CU YD)

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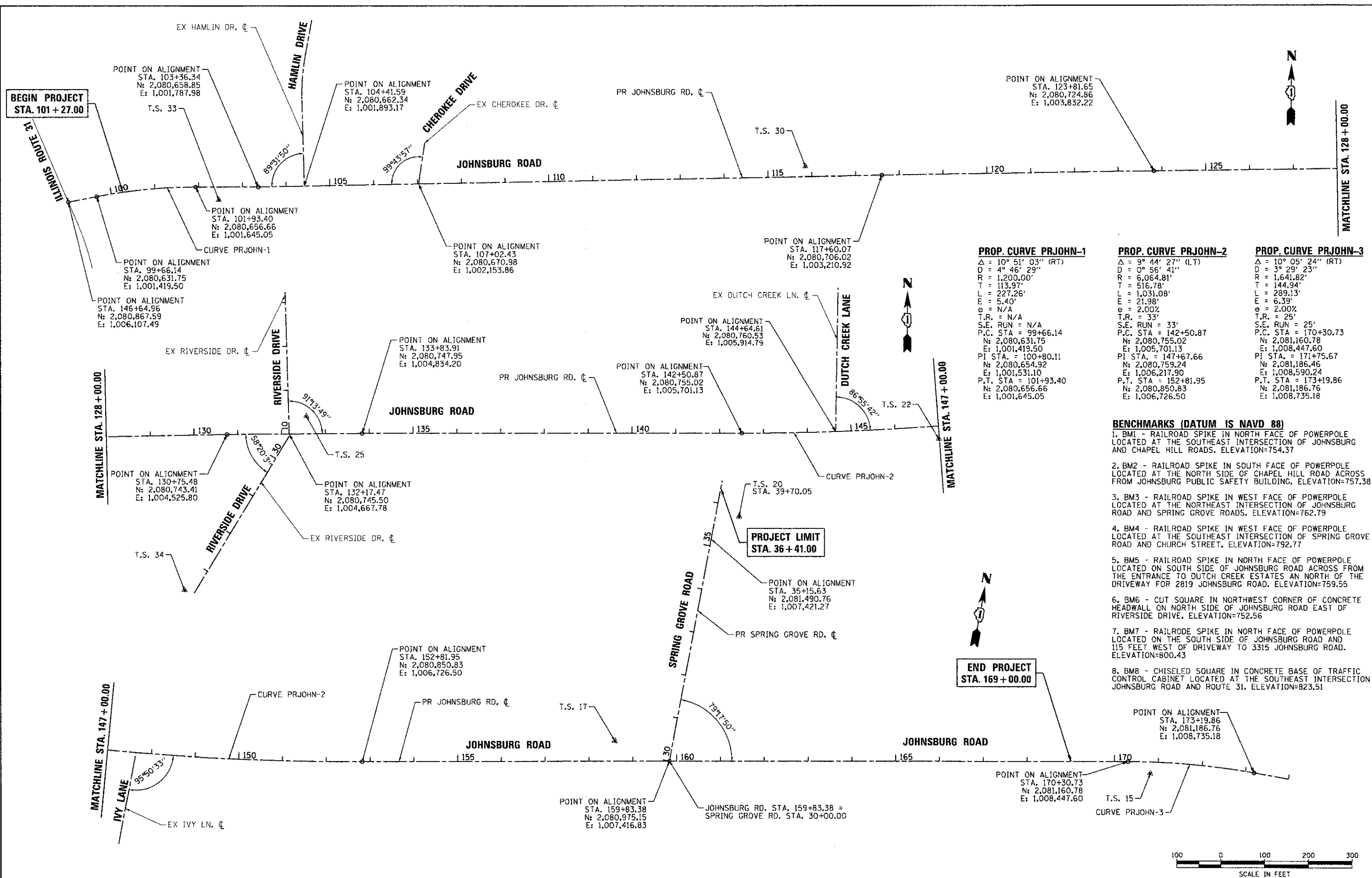
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**MCHENRY COUNTY
DIVISION OF TRANSPORTATION**

**PROPOSED TYPICAL SECTIONS
RIVERSIDE DRIVE AND SPRING GROVE ROAD**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63515	

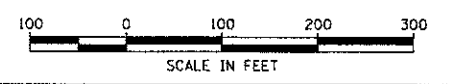


PROP. CURVE PRJOHN-1	PROP. CURVE PRJOHN-2	PROP. CURVE PRJOHN-3
$\Delta = 10^{\circ} 51' 03''$ (RT)	$\Delta = 9^{\circ} 44' 27''$ (LT)	$\Delta = 10^{\circ} 05' 24''$ (RT)
$D = 4^{\circ} 46' 29''$	$D = 0^{\circ} 56' 41''$	$D = 3^{\circ} 29' 23''$
$R = 1,200.00'$	$R = 6,064.81'$	$R = 1,641.82'$
$T = 113.97'$	$T = 144.94'$	$T = 144.94'$
$L = 227.26'$	$L = 1,031.08'$	$L = 289.13'$
$E = 5.40'$	$E = 21.98'$	$E = 6.39'$
$\phi = N/A$	$\phi = 2.00\%$	$\phi = 2.00\%$
$T.R. = N/A$	$T.R. = 33'$	$T.R. = 25'$
$S.E. RUN = N/A$	$S.E. RUN = 33'$	$S.E. RUN = 25'$
$P.C. STA = 99+66.14$	$P.C. STA = 142+50.87$	$P.C. STA = 170+30.73$
$N = 2,080,631.75$	$N = 2,080,755.02$	$N = 2,081,160.78$
$E = 1,001,419.50$	$E = 1,005,701.13$	$E = 1,008,447.60$
$PI STA = 100+80.11$	$PI STA = 147+67.66$	$PI STA = 171+75.67$
$N = 2,080,654.92$	$N = 2,080,759.24$	$N = 2,081,186.46$
$E = 1,001,531.10$	$E = 1,006,217.90$	$E = 1,008,590.24$
$P.T. STA = 101+93.40$	$P.T. STA = 152+81.95$	$P.T. STA = 173+19.86$
$N = 2,080,656.66$	$N = 2,080,850.83$	$N = 2,081,186.76$
$E = 1,001,645.05$	$E = 1,006,726.50$	$E = 1,008,735.18$

- BENCHMARKS (DATUM IS NAVD 88)**
1. BM1 - RAILROAD SPIKE IN NORTH FACE OF POWERPOLE LOCATED AT THE SOUTHEAST INTERSECTION OF JOHNSBURG ROAD AND CHAPEL HILL ROADS. ELEVATION=754.37
 2. BM2 - RAILROAD SPIKE IN SOUTH FACE OF POWERPOLE LOCATED AT THE NORTH SIDE OF CHAPEL HILL ROAD ACROSS FROM JOHNSBURG PUBLIC SAFETY BUILDING. ELEVATION=757.38
 3. BM3 - RAILROAD SPIKE IN WEST FACE OF POWERPOLE LOCATED AT THE NORTHEAST INTERSECTION OF JOHNSBURG ROAD AND SPRING GROVE ROADS. ELEVATION=762.79
 4. BM4 - RAILROAD SPIKE IN WEST FACE OF POWERPOLE LOCATED AT THE SOUTHEAST INTERSECTION OF SPRING GROVE ROAD AND CHURCH STREET. ELEVATION=792.77
 5. BM5 - RAILROAD SPIKE IN NORTH FACE OF POWERPOLE LOCATED ON SOUTH SIDE OF JOHNSBURG ROAD ACROSS FROM THE ENTRANCE TO DUTCH CREEK ESTATES AN NORTH OF THE DRIVEWAY FOR 2819 JOHNSBURG ROAD. ELEVATION=759.55
 6. BM6 - CUT SQUARE IN NORTHWEST CORNER OF CONCRETE HEADWALL ON NORTH SIDE OF JOHNSBURG ROAD EAST OF RIVERSIDE DRIVE. ELEVATION=752.56
 7. BM7 - RAILROAD SPIKE IN NORTH FACE OF POWERPOLE LOCATED ON THE SOUTH SIDE OF JOHNSBURG ROAD AND 115 FEET WEST OF DRIVEWAY TO 3315 JOHNSBURG ROAD. ELEVATION=800.43
 8. BM8 - CHISELED SQUARE IN CONCRETE BASE OF TRAFFIC CONTROL CABINET LOCATED AT THE SOUTHEAST INTERSECTION JOHNSBURG ROAD AND ROUTE 31. ELEVATION=823.51

**END PROJECT
STA. 169+00.00**

**PROJECT LIMIT
STA. 36+41.00**



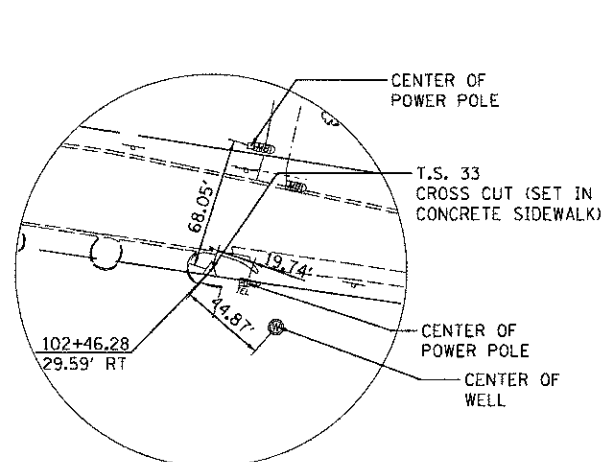
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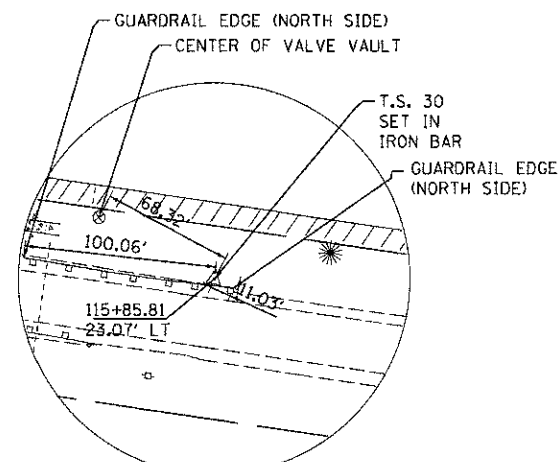
**MCHENRY COUNTY
DIVISION OF TRANSPORTATION**

ALIGNMENT, TIES AND BENCHMARKS	
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COUNTY MCHENRY	TOTAL SHEETS 187
SHEET NO. 21	CONTRACT NO. 63515

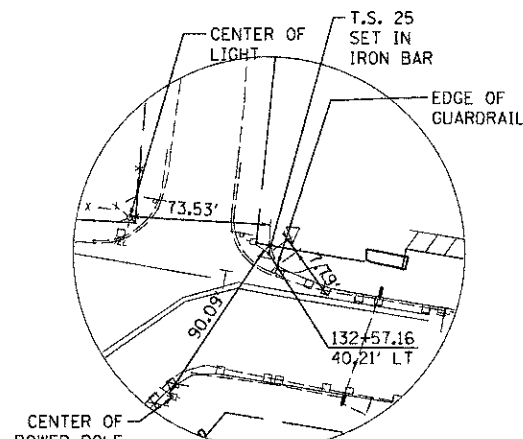
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FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		



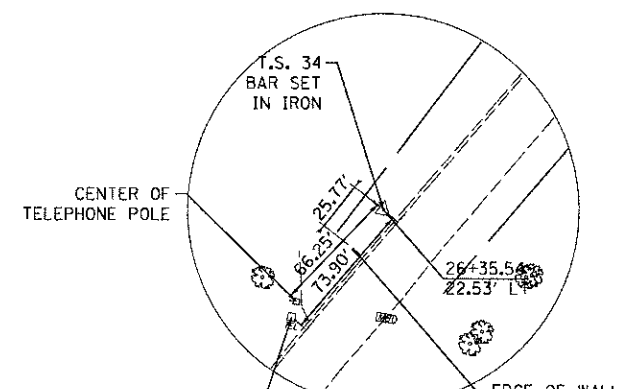
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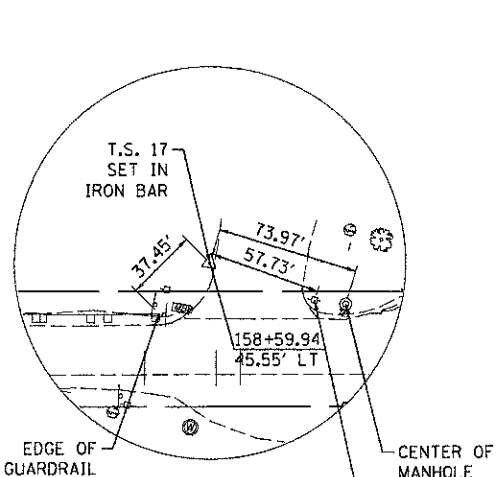
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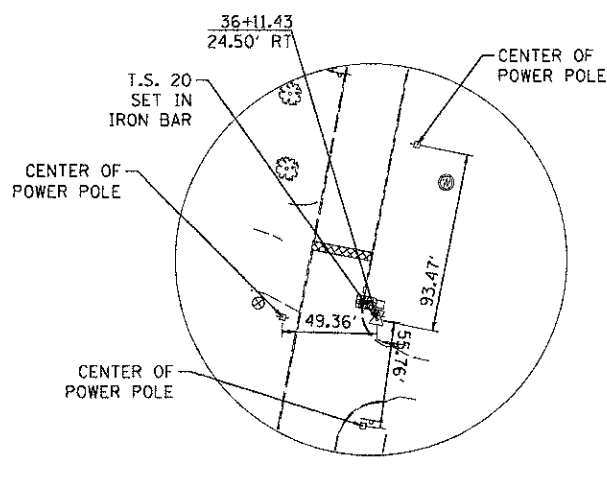
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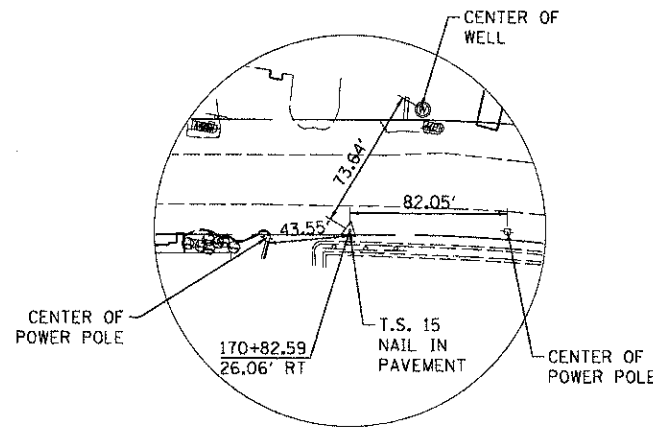
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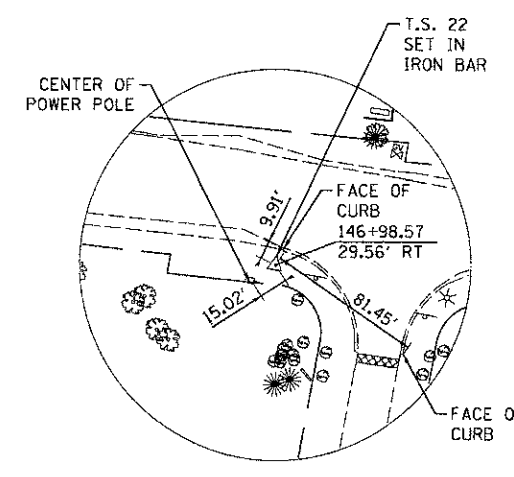
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DATE - 12/19/12

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**MCHENRY COUNTY
DIVISION OF TRANSPORTATION**

ALIGNMENT, TIES AND BENCHMARKS

SCALE: 1" = 100' SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	22
CONTRACT NO. 63515				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SIGN LEGEND

①		W20-2-4848
②		M4-8-2412 M3-2-2115 24"x18" M6-3-2115
③		M4-8-2412 M3-2-2115 24"x18" M6-3-2115
④		M4-8-2412 M3-2-2115 24"x18" M6-1-2115
⑤		M4-8-2412 M3-2-2115 24"x18" M5-1R-2115
⑥		M4-8-2412 M3-2-2115 24"x18" M6-1-2115
⑦		M4-8A
⑧*		R11-2-4830
⑨*		R11-4-6030
* SIGNS ARE TO BE MOUNTED ABOVE BARRICADE RAILS.		
⑩		
⑪		R2-1110
⑫		M4-10R-4818

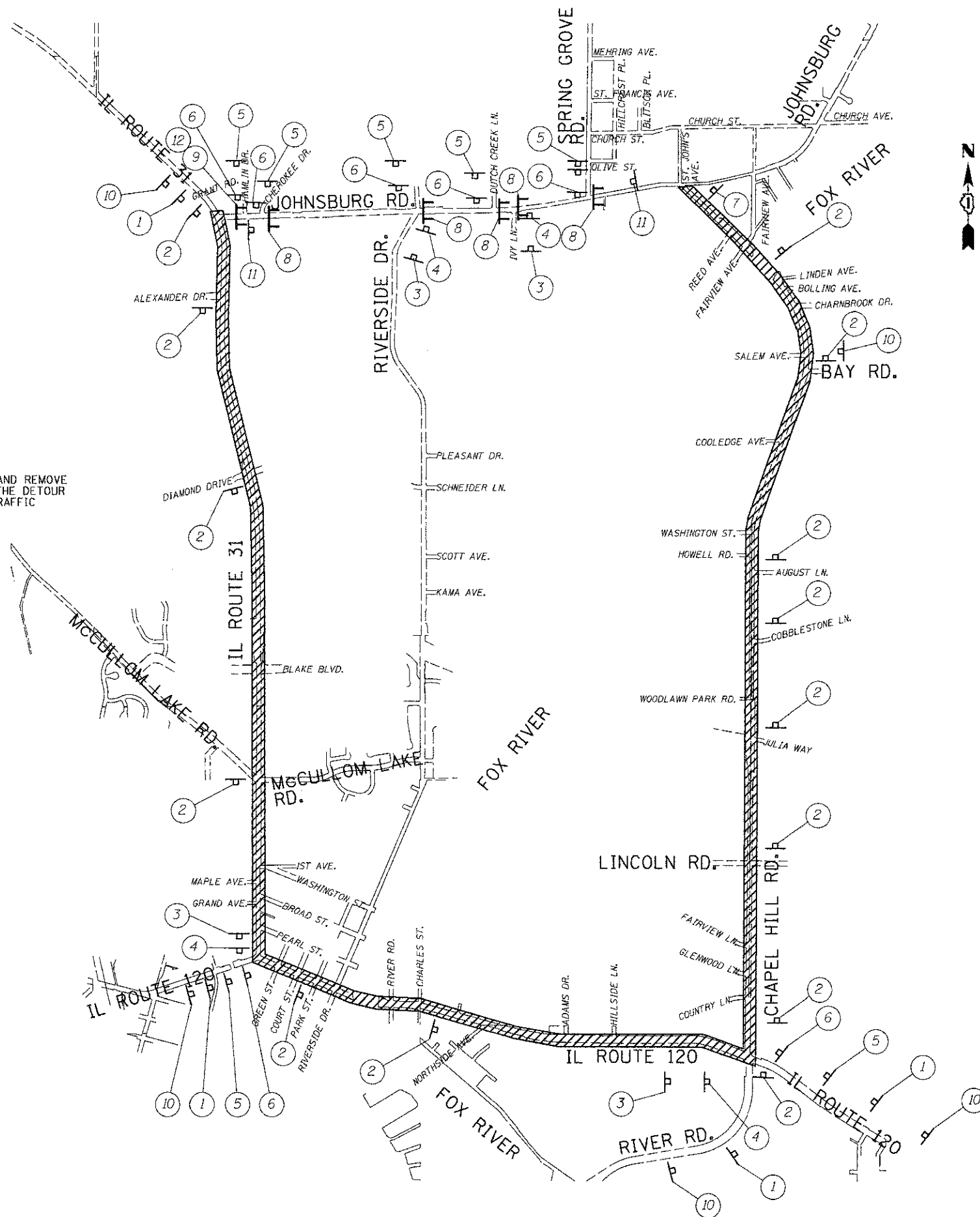
DETOUR LEGEND

DETOUR ROUTE

DETOUR GUIDE SIGN

BARRICADE, TYPE III

NOTE:
THE WORK REQUIRED TO FURNISH, ERECT, MAINTAIN AND REMOVE ALL APPLICABLE TRAFFIC CONTROL DEVICES ALONG THE DETOUR ROUTE SHALL BE INCLUDED IN THE PAY ITEM FOR TRAFFIC CONTROL AND PROTECTION, (SPECIAL).



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**MCHENRY COUNTY
DIVISION OF TRANSPORTATION**

DETOUR PLAN

SCALE: 1"=1000' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE. 168	SECTION 05-00314-00-WR	COUNTY MCHENRY	TOTAL SHEETS 187	SHEET NO. 23
CONTRACT NO. 63515			ILLINOIS FED. AID PROJECT	

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.

A MINIMUM OF ONE (1) ELEVEN FOOT (11') LANE IN THE WB DIRECTION SHALL BE KEPT OPEN TO TRAFFIC ON JOHNSBURG ROAD. A MINIMUM OF TWO (2) ELEVEN FOOT (11') LANES WILL BE OPEN AT ALL TIMES ON ALL SIDE STREETS.

ALL PAVEMENT MARKINGS CONFLICTING WITH REVISED TRAFFIC PATTERNS SHALL BE REMOVED. TYPE III 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.

THE CONTRACTOR SHALL PROVIDE INFORMATION SIGNS ON TEMPORARY SUPPORTS FOR ALL COMMERCIAL DRIVEWAYS. THESE SIGNS SHALL BE WHITE ON GREEN IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. THIS WORK WILL BE PAID FOR PER DISTRICT ONE DETAIL TC-26. 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 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.

THE FOLLOWING TABLE PROVIDES THE NECESSARY TREATMENT REQUIRED BY THE CONTRACTOR TO MINIMIZE DROP-OFF EXPOSURE:

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
	< 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
> 3 FT <= 8 FT (3)	ALL	> 18, <= 24	ADJACENT LANE CLOSURE
	ALL	> 24	ADJACENT LANE CLOSURE
	ALL	<= 1	NONE
	ALL	> 1, <= 3	LOW SHOULDER SIGNS (2 MILE SPACING)
> 8 FT <= 13 FT (3)	ALL	> 3, <= 24	CHANNELIZING DEVICES PER PLAN SPACING
	ALL	> 24	TEMPORARY BARRIER WALL
	ALL	> 12, <= 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.

THE CONTRACTOR SHALL MAINTAIN TRAFFIC IN ACCORDANCE WITH THE PLANS, SPECIAL PROVISIONS, STATE STANDARDS AND AS DIRECTED BY THE ENGINEER.

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.

ROAD NAME PLATES SHALL BE INSTALLED ON "ROAD CONSTRUCTION AHEAD" SIGNS AT INTERSECTIONS SHOWN ON THE PLANS.

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 CONTROL DEPICTED ON THE MAINTENANCE OF TRAFFIC PLANS AND DETOUR PLANS IS THE MINIMUM REQUIREMENT. OTHER WORK OR SIGNING MAY BE REQUIRED BY THE ENGINEER.

A 3'-6" DEFLECTION AREA IS REQUIRED FROM THE BACK SIDE OF THE TEMPORARY CONCRETE BARRIER WALL TO ANY OBSTRUCTION OR DROP OFF IN THE WORK ZONE. IF THIS 3'-6" DEFLECTION AREA CANNOT BE MAINTAINED, THE TEMPORARY CONCRETE BARRIER WALL SHALL BE ANCHORED TO THE PAVEMENT (EXCLUDING BRIDGE DECKS) THROUGH THE 6 ANCHORING HOLES ON BOTH SIDES OF THE TEMPORARY CONCRETE BARRIER WALL. THIS WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCIDENTAL TO THE TEMPORARY CONCRETE BARRIER WALL PAY ITEM.

SUGGESTED MAINTENANCE OF TRAFFIC AND CONSTRUCTION STAGING

PRE-STAGE - JOHNSBURG ROAD CONSTRUCTION

1. INSTALL TEMPORARY PAVEMENT FROM STA 107+93 LT TO STA 128+23 LT ON JOHNSBURG ROAD.
2. PROVIDE TEMPORARY SWALES/DITCHES TO MAINTAIN DRAINAGE. INSTALL/ADJUST STORM SEWER AS NECESSARY TO PROVIDE OUTLET DURING STAGE I AND PROVIDE EROSION CONTROL.

MAINTENANCE OF TRAFFIC

1. MAINTAIN EXISTING TRAFFIC LANES ON JOHNSBURG ROAD AND ALL SIDE ROADS IN ACCORDANCE WITH THE LATEST REVISION OF HIGHWAY STANDARD 701326 AND THE DETAILS SHOWN ON THE PLANS.

STAGE 1 - JOHNSBURG ROAD CONSTRUCTION

1. INSTALL EROSION CONTROL MEASURES.
2. CONSTRUCT SOUTH PORTION OF JOHNSBURG ROAD FROM STA 101+84 TO STA 169+00.
3. CONSTRUCT RETAINING WALL FROM STA 156+00 TO STA 158+10 AND STA 129+45 TO STA 130+65.
4. CONSTRUCT CURB AND GUTTER, BINDER AND DRAINAGE STRUCTURES FROM STA 101+84 TO STA 169+00. CONTRACTOR SHALL SCHEDULE CONSTRUCTION SUCH THAT BINDER COURSE IS COMPLETED WITHIN 14 DAYS OF CURB AND GUTTER CONSTRUCTION UNLESS ANOTHER TIME FRAME IS AUTHORIZED BY THE ENGINEER.
5. CONSTRUCT PORTIONS OF RIVERSIDE DRIVE AND SPRING GROVE ROAD AS SHOWN ON THE PLANS.

MAINTENANCE OF TRAFFIC

1. REMOVE OR OBLITERATE ALL CONFLICTING PAVEMENT MARKINGS.
2. INSTALL ALL DETOUR SIGNING PER DETOUR PLAN AND CLOSE EASTBOUND JOHNSBURG ROAD.
3. MAINTAIN TRAFFIC AS SHOWN ON THE PLANS AND PROVIDE TRAFFIC CONTROL AND PROTECTION IN ACCORDANCE WITH THE LATEST REVISION OF HIGHWAY STANDARD 701501 AND THE DETAILS SHOWN ON THE PLANS.

STAGE 2 - JOHNSBURG ROAD CONSTRUCTION

1. CONSTRUCT NORTH PORTION OF JOHNSBURG ROAD FROM STA 101+84 TO STA 169+00.
2. CONSTRUCT CURB AND GUTTER, BINDER AND DRAINAGE STRUCTURES FROM STA 101+84 TO STA 169+00. CONTRACTOR SHALL SCHEDULE CONSTRUCTION SUCH THAT BINDER COURSE IS COMPLETED WITHIN 14 DAYS OF CURB AND GUTTER CONSTRUCTION UNLESS ANOTHER TIME FRAME IS AUTHORIZED BY THE ENGINEER.

MAINTENANCE OF TRAFFIC

1. REMOVE OR OBLITERATE ALL CONFLICTING PAVEMENT MARKINGS
2. CONTINUE DETOUR PER DETOUR PLAN FOR EASTBOUND JOHNSBURG ROAD.
3. MAINTAIN TRAFFIC AS SHOWN ON THE PLANS AND PROVIDE TRAFFIC CONTROL AND PROTECTION IN ACCORDANCE WITH THE LATEST REVISION OF HIGHWAY STANDARD 701501 AND THE DETAILS SHOWN ON THE PLANS.

STAGE 3 (NOT ILLUSTRATED) CONSTRUCTION

1. MILL EXISTING PAVEMENT AT VARIOUS LOCATIONS AS DIRECTED BY THE ENGINEER.
2. INSTALL BINDER COURSE AND INSTALL SHORT TERM PAVEMENT MARKINGS.
3. INSTALL SURFACE COURSE. INSTALL PERMANENT PAVEMENT MARKINGS AND FINAL LANDSCAPING.

MAINTENANCE OF TRAFFIC

1. ESTABLISH TRAFFIC CONTROL WITH THE LATEST REVISION OF HIGHWAY STANDARD 701502.

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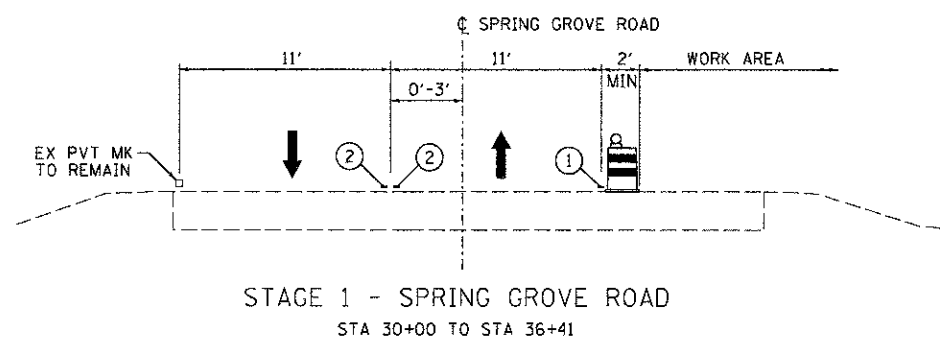
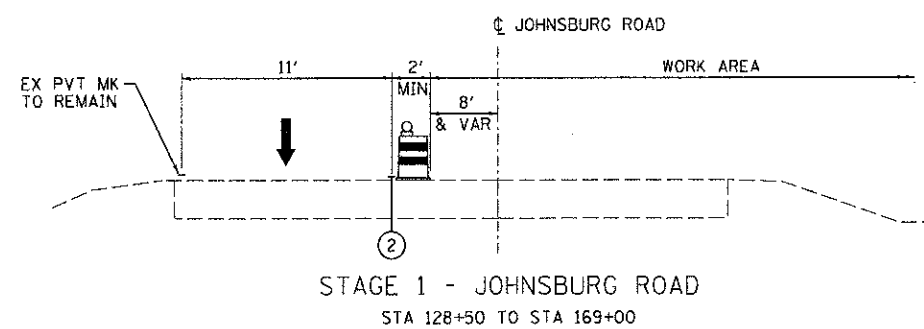
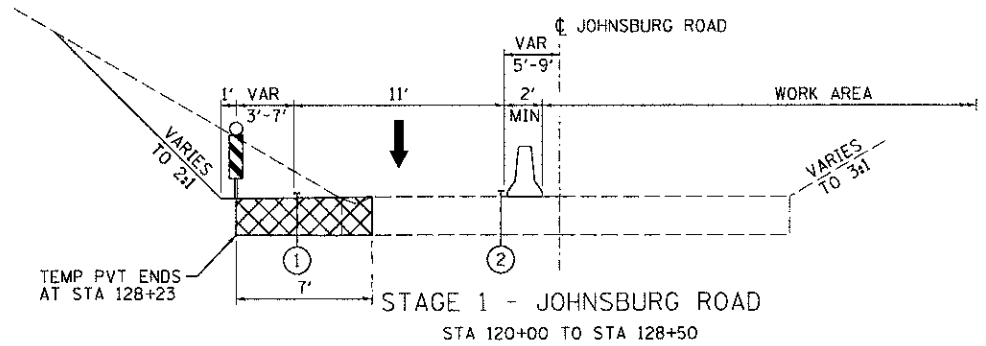
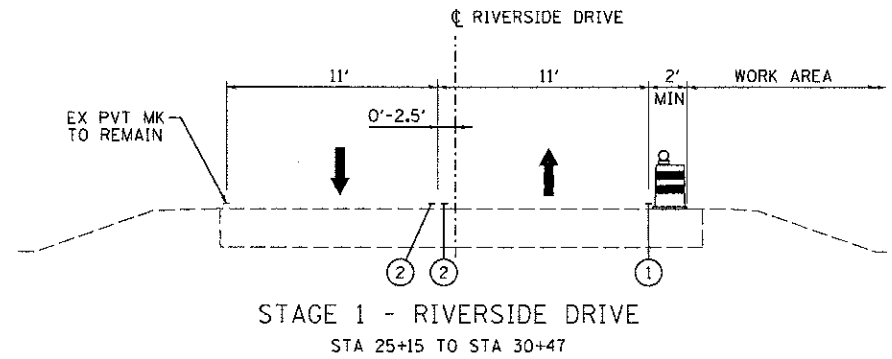
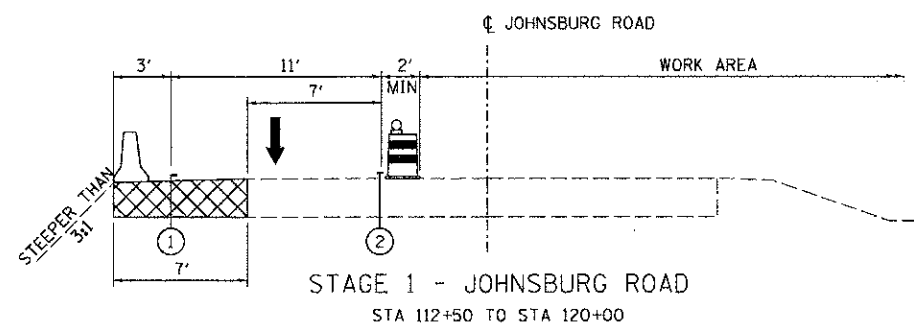
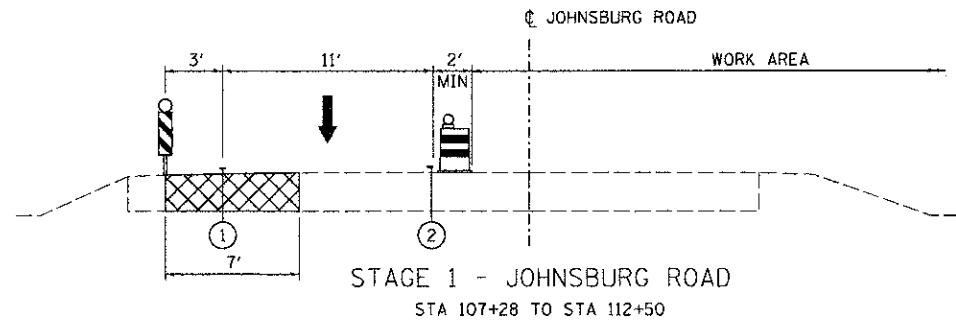
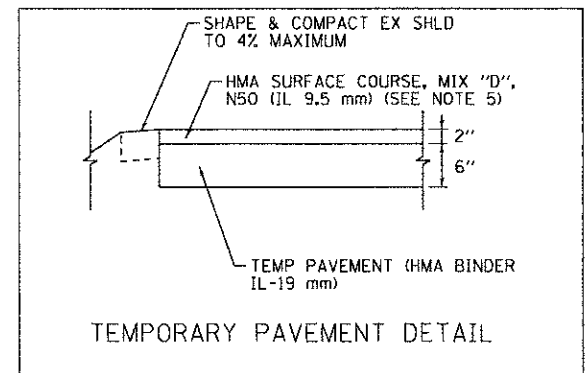
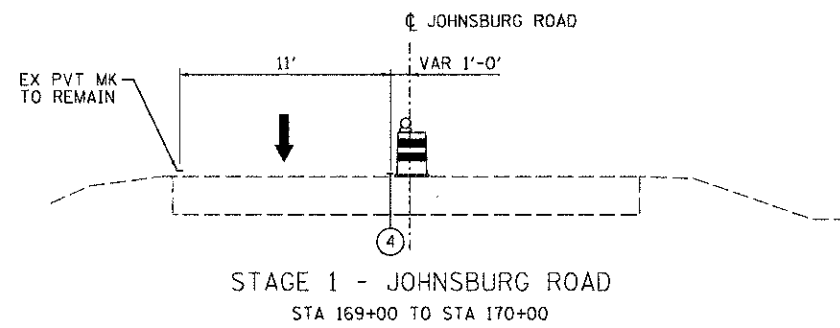
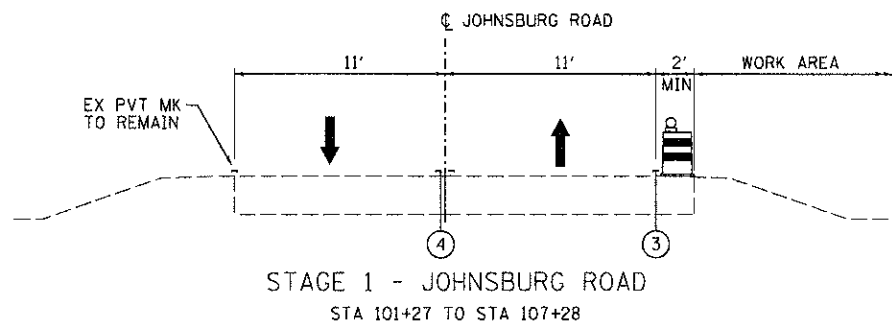
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FILE NAME = 090622-motgrn-01.dgn	DRAWN -	REVISED -
PLOT SCALE = N.T.S.	CHECKED - TH	REVISED -
PLOT DATE = 1/3/2013	DATE - 1/3/13	REVISED -

**MCHENRY COUNTY
DIVISION OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC -- GENERAL NOTES
JOHNSBURG ROAD**

SCALE: N.T.S. SHEET NO. 1 OF 10 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	24
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63515	



LEGEND

- TEMPORARY CONCRETE BARRIER
- TEMPORARY PAVEMENT HMA BINDER (IL-19MM, 8")
- DIRECTION OF TRAFFIC
- PROPOSED DRUM BARRICADE WITH MONO-DIRECTIONAL STEADY BURNING LIGHT 50 FT C-C
- VERTICAL PANEL WITH STEADY BURNING LIGHT 50 FT C-C
- ① TEMPORARY PAVEMENT MARKING - LINE 4" (WHITE)
- ② TEMPORARY PAVEMENT MARKING - LINE 4" (YELLOW)
- ③ PAVEMENT MARKING TAPE, TYPE III 4" (WHITE)
- ④ PAVEMENT MARKING TAPE, TYPE III 4" (YELLOW)

CONTRACT NAME:
PROJECT CONTACT:
CLIENT:
DATE PLOTTED: 12/19/2012 2:25:59 PM
FILE NAME: 090622-motgn-02.dgn
PLOT DRIVER: pdfLwp.no_levelplot.ctb
PEN TABLE: standard-trans.tbl



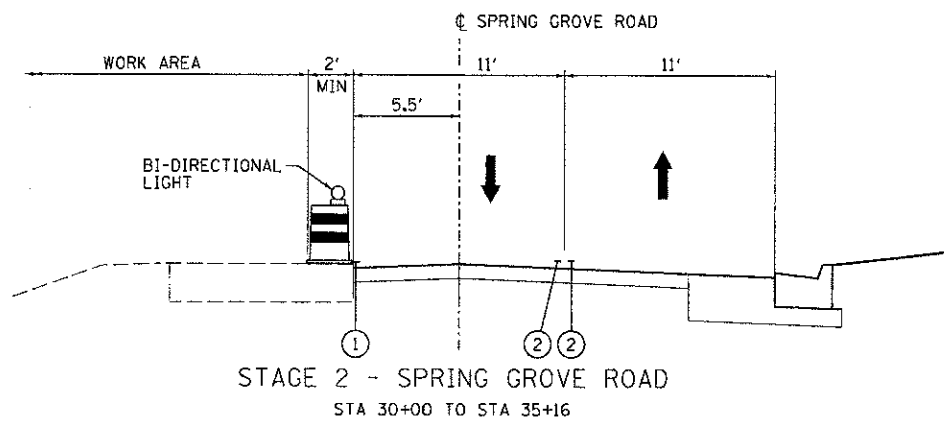
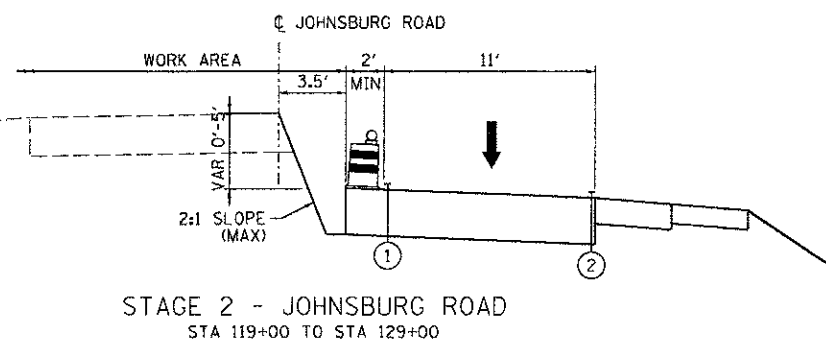
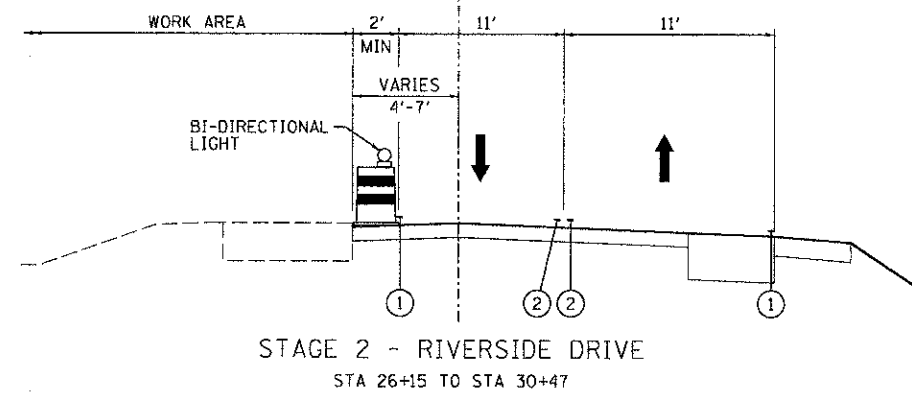
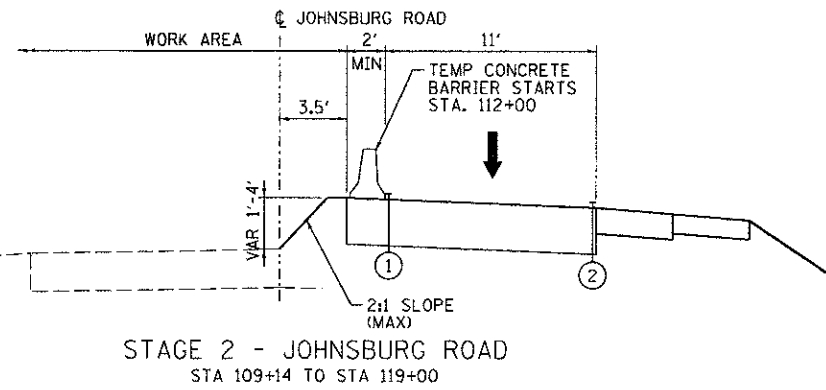
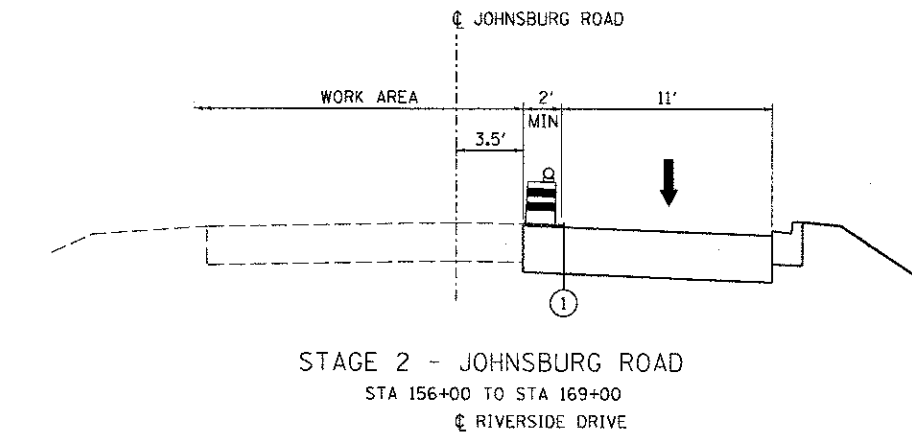
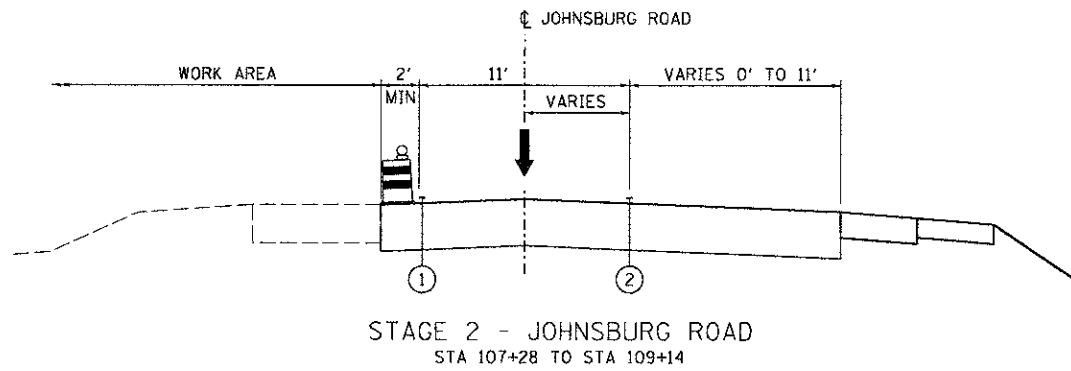
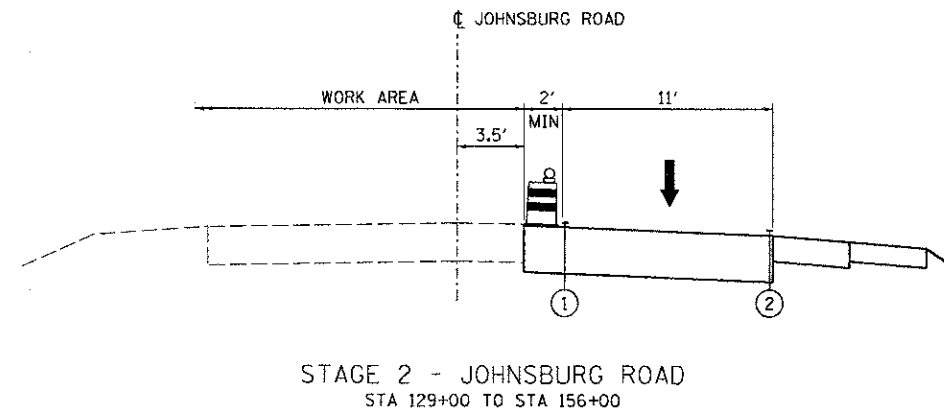
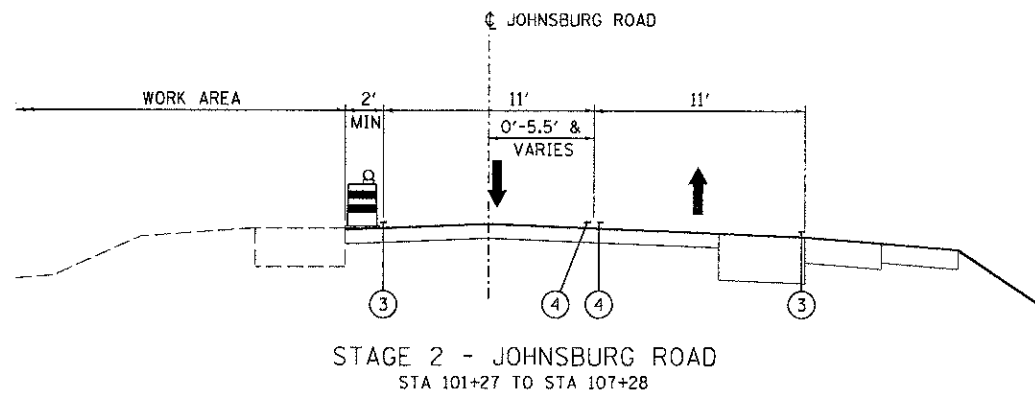
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FILE NAME = 090622-motgn-02.dgn	DRAWN -	REVISED -
PLOT SCALE = N.T.S.	CHECKED - TH	REVISED -
PLOT DATE = 12/19/2012	DATE - 12/19/12	REVISED -

MCHENRY COUNTY
DIVISION OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC - TYPICAL SECTIONS
JOHNSBURG ROAD

SCALE: N.T.S. SHEET NO. 2 OF 10 SHEETS STA. TO STA.

F.A.U. RTE. 168	SECTION 05-00314-00-WR	COUNTY MCHENRY	TOTAL SHEETS 187	SHEET NO. 25
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63515	



- LEGEND**
- TEMPORARY CONCRETE BARRIER
 - TEMPORARY PAVEMENT HMA BINDER 1L-19MM, 8"
 - DIRECTION OF TRAFFIC
 - PROPOSED DRUM BARRICADE WITH MONO-DIRECTIONAL STEADY BURNING LIGHT 50 FT C-C
 - VERTICAL PANEL WITH STEADY BURNING LIGHT 50 FT C-C
 - ① TEMPORARY PAVEMENT MARKING - LINE 4" (WHITE)
 - ② TEMPORARY PAVEMENT MARKING - LINE 4" (YELLOW)
 - ③ PAVEMENT MARKING TAPE, TYPE III 4" (WHITE)
 - ④ PAVEMENT MARKING TAPE, TYPE III 4" (YELLOW)

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: jettens
 CLIENT: MCHENRY COUNTY
 CLIENT PROJECT NO: 05-00314-00-WR
 FILE NAME: 050522-notign-B3.dgn
 PLOT DRIVER: perf.ctb
 PEN TABLE: standard.ctb

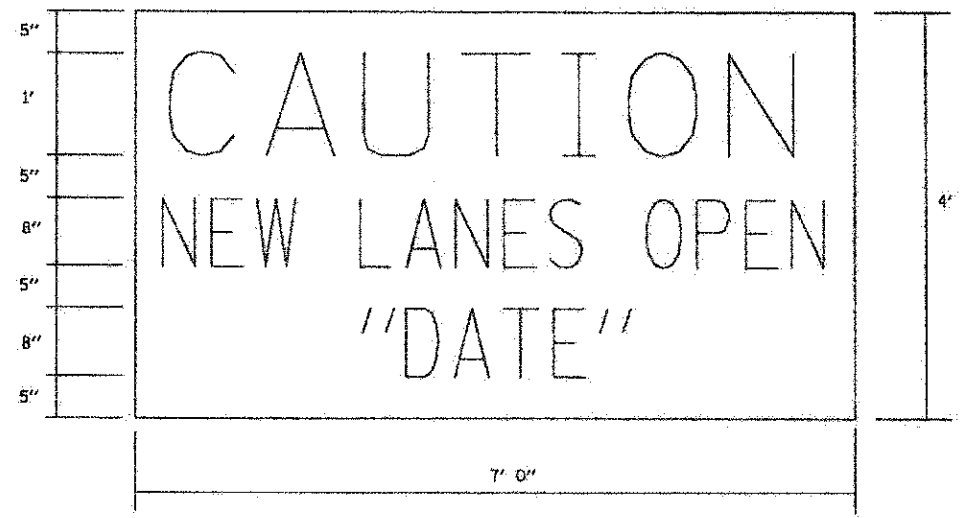
HRGreen.com	USER NAME = jettens	DESIGNED -	REVISED -
Illinois Professional Design Firm # 184-001322	FILE NAME = 050522-notign-B3.dgn	DRAWN -	REVISED -
	PLOT SCALE = N.T.S.	CHECKED - TH	REVISED -
	PLOT DATE = 12/19/2012	DATE = 12/19/12	REVISED -

**MCHENRY COUNTY
DIVISION OF TRANSPORTATION**

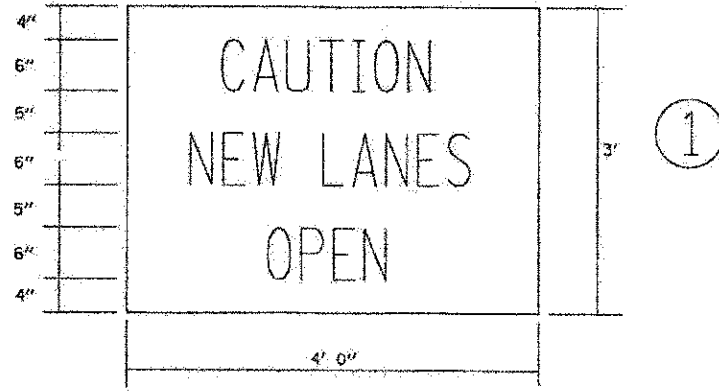
**SUGGESTED MAINTENANCE OF TRAFFIC - TYPICAL SECTIONS
JOHNSBURG ROAD**

SCALE: N.T.S. SHEET NO. 3 OF 10 SHEETS STA. TO STA.

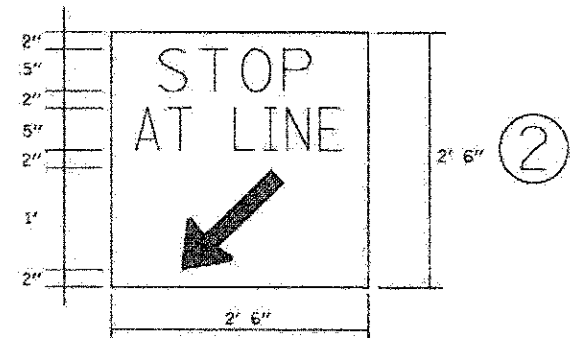
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	26
CONTRACT NO.				63515
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



AT ENDS OF PROJECT



①



②

AT SIDE ROADS
(MOUNTED SEPARATELY)

NOTE:
ABOVE SIGNS SHALL BE BLACK ON ORANGE
REFLECTIVE BACKGROUND



③

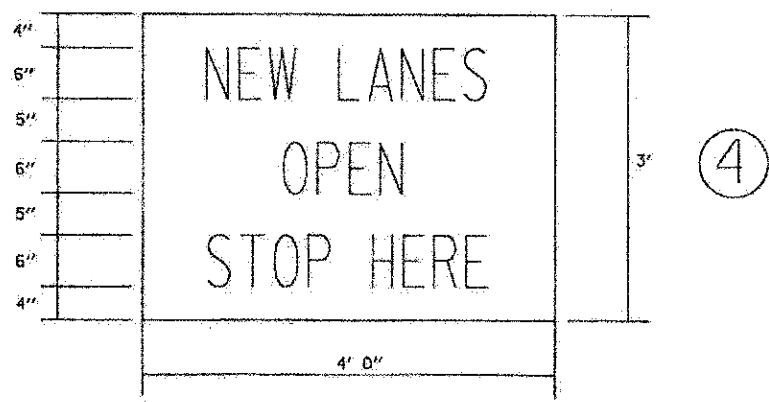
AT COMMERCIAL ENTRANCES

NOTE:
SIGN SHALL BE GREEN ON WHITE REFLECTIVE
BACKGROUND WITH .50 IN. BORDER.

TWO SIGNS SHALL BE USED AT EACH COMMERCIAL
DRIVEWAY AS DIRECTED BY THE ENGINEER.

HALF OF THE SIGNS SHALL REQUIRE THE ARROW
TO POINT TO THE LEFT AND THE OTHER HALF
TO THE RIGHT (AS SHOWN).

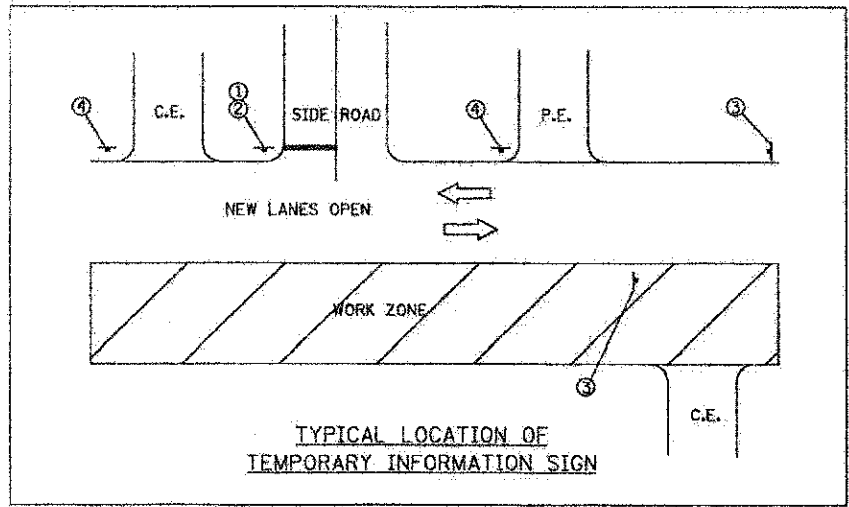
SEE SPECIAL PROVISION FOR "TEMPORARY
INFORMATION SIGNS" FOR ADDITIONAL INFORMATION.
ALL DIMENSIONS ARE IN FEET
UNLESS OTHERWISE SHOWN.



④

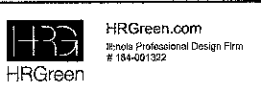
AT ENTRANCES

NOTE:
ABOVE SIGNS SHALL BE BLACK ON ORANGE
REFLECTIVE BACKGROUND



TYPICAL LOCATION OF
TEMPORARY INFORMATION SIGN

COMPANY NAME: HRGreen.com
PROJECT CONTACT: jettana
CLIENT: MCHENRY COUNTY
DATE PLOTTED: 12/19/2012 2:28:09 PM
FILE NAME: 050622-mo1gn-25.dgn
PLOT DRIVER: pdf_wrt_no_bvmlp16f6
PEN TABLE: standard-trans.tbl



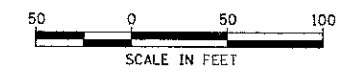
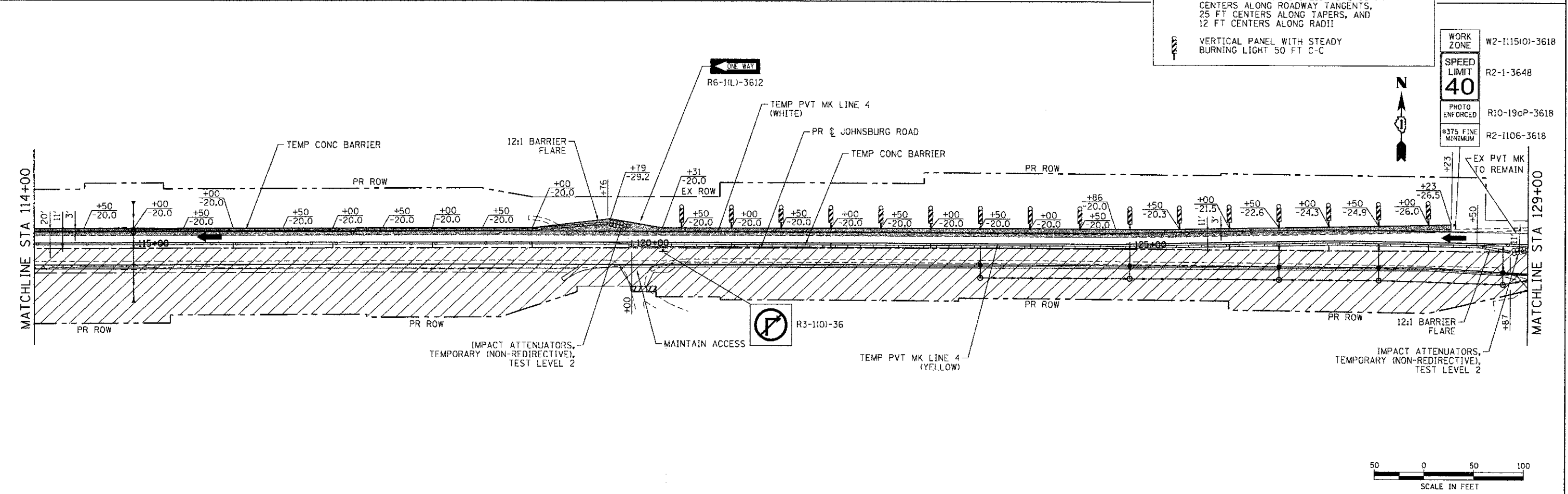
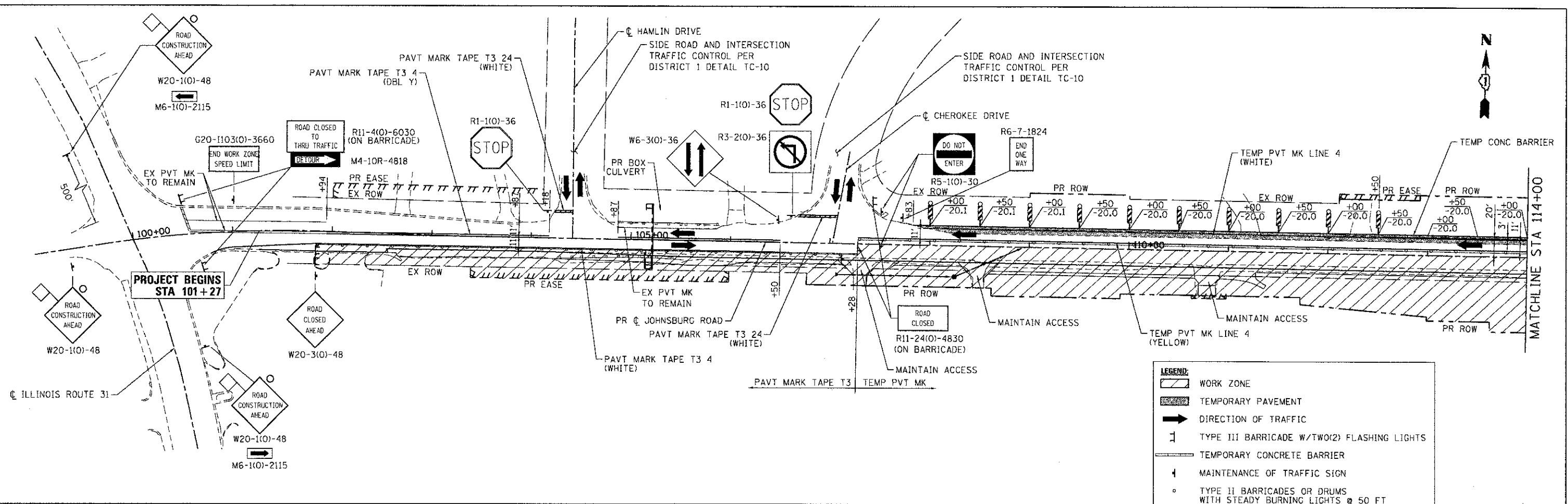
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PLOT DATE	12/19/2012	DATE	12/19/12	REVISED	-

MCHENRY COUNTY
DIVISION OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC - TEMPORARY SIGN DETAILS
JOHNSBURG ROAD

SCALE: N.T.S. SHEET NO. 4 OF 10 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	27
FED. ROAD DIST. NO.			CONTRACT NO.	
[ILLINOIS] FED. AID PROJECT			63515	



COMPANY NAME: HRGreen
 PROJECT CONTACT: jettens
 CLIENT: MCHENRY COUNTY
 DATE PLOTTED: 12/20/2012 8:05 AM
 FILE NAME: 080622-mot1-01.dgn
 PLOT DRIVER: pof.dif
 PEN TABLE: s1ender.ctb

HRGreen
 HRGreen.com
 WinGis Professional Design Firm
 #184-091322

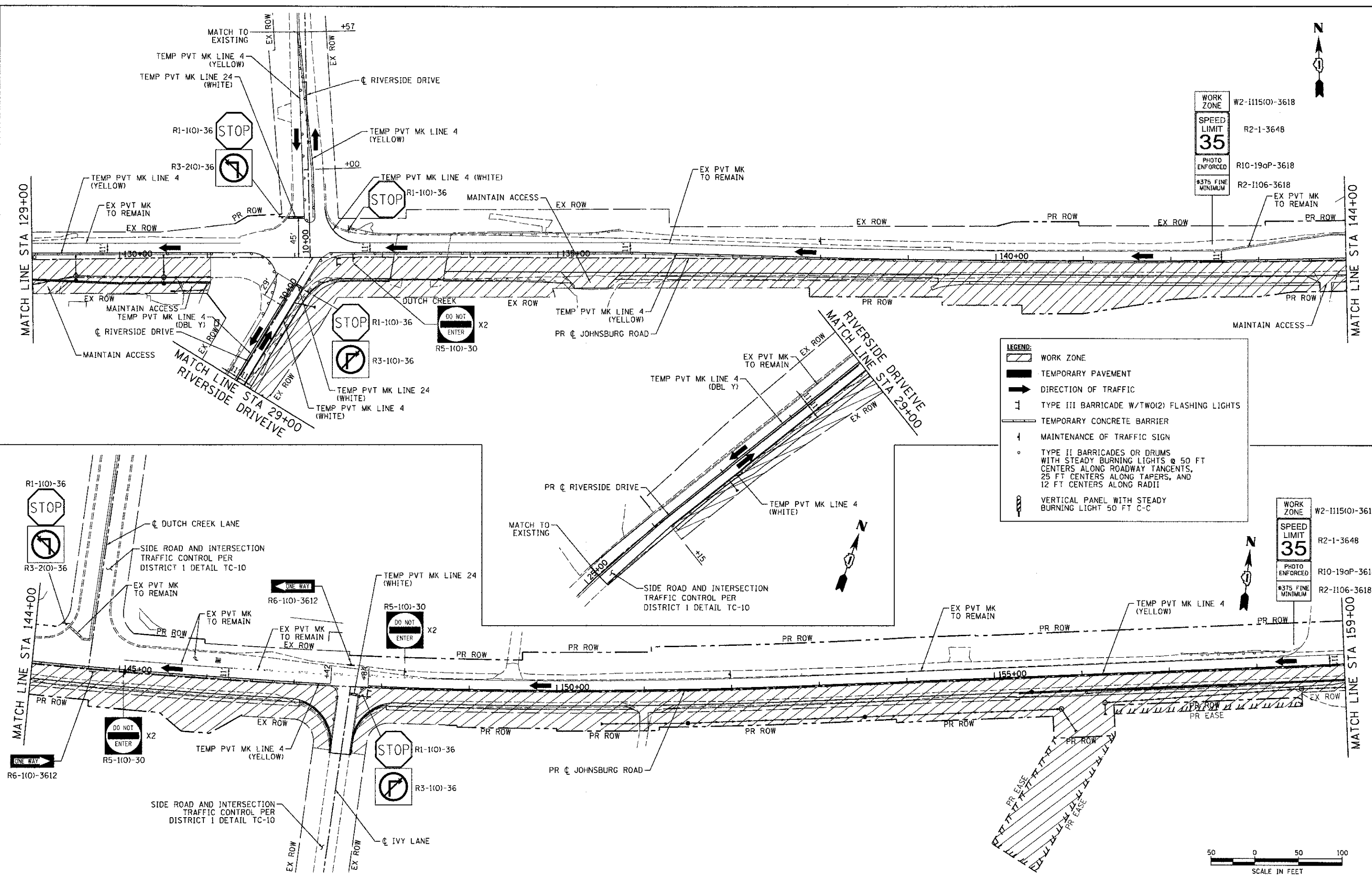
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PLOT SCALE = 1" = 50'	CHECKED - TH	REVISED -
PLOT DATE = 12/28/2012	DATE = 12/19/12	REVISED -

MCHENRY COUNTY
DIVISION OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 1
JOHNSBURG ROAD

F.A.U. RTE. 168	SECTION 05-00314-00-WR	COUNTY MCHENRY	TOTAL SHEETS 187	SHEET NO. 28
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63515	

SCALE: 1" = 50' SHEET NO. 5 OF 10 SHEETS STA. TO STA.



LEGEND:

- WORK ZONE
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE W/TWO(2) FLASHING LIGHTS
- TEMPORARY CONCRETE BARRIER
- MAINTENANCE OF TRAFFIC SIGN
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING LIGHTS @ 50 FT CENTERS ALONG ROADWAY TANGENTS, 25 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- VERTICAL PANEL WITH STEADY BURNING LIGHT 50 FT C-C

WORK ZONE W2-1115(O)-3618
 SPEED LIMIT 35 R2-1-3648
 PHOTO ENFORCED R10-19aP-3618
 #375 FINE MINIMUM R2-1106-3618

WORK ZONE W2-1115(O)-3618
 SPEED LIMIT 35 R2-1-3648
 PHOTO ENFORCED R10-19aP-3618
 #375 FINE MINIMUM R2-1106-3618



COMPANY NAME: HRGreen.com
 PROJECT CONTACT: j.gottlieb
 CLIENT: MCHENRY COUNTY
 FILE NAME: 080822-motl-02.dgn
 PLOT DRIVER: hrgreen
 PEN TABLE: standard-trans.tbl

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PLOT SCALE = 1" = 50'	CHECKED - TH	REVISED -
PLOT DATE = 12/19/2012	DATE - 12/19/12	REVISED -

**MCHENRY COUNTY
 DIVISION OF TRANSPORTATION**

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

SCALE: 1" = 50' SHEET NO. 6 OF 10 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	29
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63515	

SEE ADVANCED SIGNING DETAIL (A)

MATCH EX PVT MK STA 36+41

SIDE ROAD AND INTERSECTION TRAFFIC CONTROL PER DISTRICT 1 DETAIL TC-10

OLIVE AVENUE

PR C SPRING GROVE ROAD

EX PVT MK TO REMAIN

TEMP PVT MK LINE 4 (WHITE)

TEMP PVT MK LINE 4 (DBL Y)

MAINTAIN ACCESS

TEMP PVT MK LINE 24 (WHITE)

R5-1(0)-30

R8-3 NO PARKING

R8-3 NO PARKING

R6-6-1824 BEGIN ONE WAY

R8-3 NO PARKING

W2-1115(0)-3618 WORK ZONE

R2-1-3648 SPEED LIMIT 25

R10-19aP-3618 PHOTO ENFORCED

R2-1106-3618 \$375 FINE MINIMUM

SEE ADVANCED SIGNING DETAIL (A)

MATCH LINE STA 159+00

PR ROW +35

160+00

165+00

170+00

R6-1(0)-3612 ONE WAY

R5-1(0)-30 DO NOT ENTER

MAINTAIN ACCESS

MAINTAIN ACCESS

PR C JOHNSBURG ROAD

MAINTAIN ACCESS

MAINTAIN ACCESS

TEMP PVT MK LINE 4 (YELLOW)

MAINTAIN ACCESS

TEMP PVT MK PAVT MARK TAPE T3

PAVT MARK TAPE T3 4 (YELLOW)

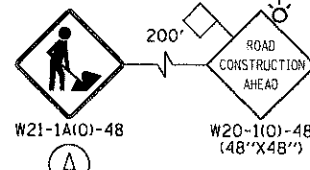
ROAD CONSTRUCTION AHEAD W20-1(0)-48

ROAD CONSTRUCTION AHEAD W20-1(0)-48

M6-1(0)-2115

M6-1(0)-2115

ADVANCED SIGNING DETAIL



COMPANY NAME: HRGreen
PROJECT CONTACT: HRGreen.com
CLIENT: Illinois Professional Design Firm
DATE PLOTTED: 12/20/2012 10:40:00 AM
FILE NAME: 090622-mot1-03.dgn
PLOT DRIVER: pdf.dwg, no_level.ctb
PEN TABLE: standard-trans.tbl



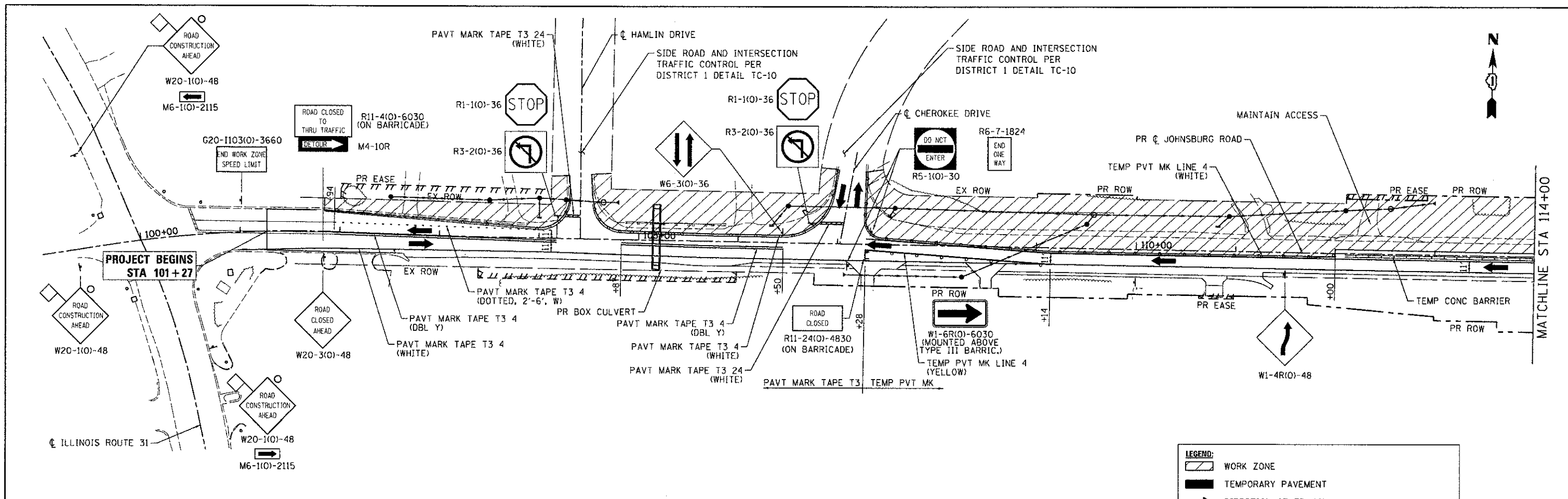
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PLOT DATE = 12/28/2012	DATE - 12/20/12	REVISED -

MCHENRY COUNTY DIVISION OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 1 JOHNSBURG ROAD

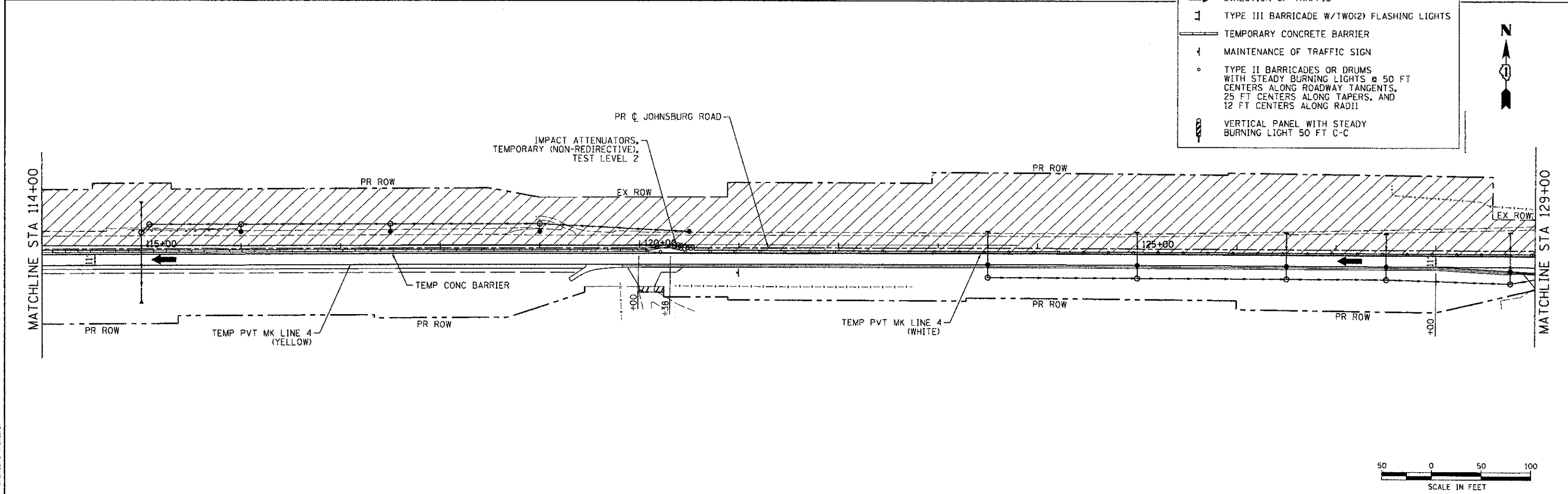
SCALE: 1" = 50' SHEET NO. 7 OF 10 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	30
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63515	



LEGEND:

- WORK ZONE
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE W/TWO(2) FLASHING LIGHTS
- TEMPORARY CONCRETE BARRIER
- MAINTENANCE OF TRAFFIC SIGN
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING LIGHTS @ 50 FT CENTERS ALONG ROADWAY TANGENTS, 25 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- VERTICAL PANEL WITH STEADY BURNING LIGHT 50 FT C-C



COMPANY NAME: HRGreen
 PROJECT CONTACT: jettiana
 CLIENT: MCHENRY COUNTY
 DATE PLOTTED: 12/19/2012 2:27:35 PM
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 PLOT DRIVER: pdf.plt
 PEN TABLE: standard-trans.tbl



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PLOT SCALE = 1" = 50'	CHECKED - TH	REVISED -
PLOT DATE = 12/19/2012	DATE - 12/19/12	REVISED -

**MCHENRY COUNTY
 DIVISION OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 2
 JOHNSBURG ROAD**

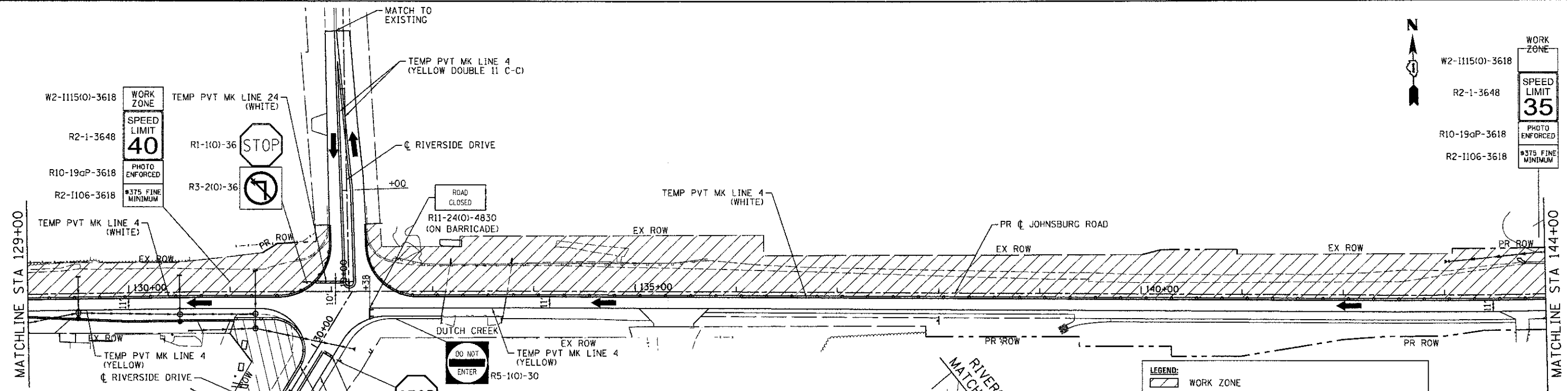
SCALE: 1" = 50' SHEET NO. 8 OF 10 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	31

CONTRACT NO. 63515
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

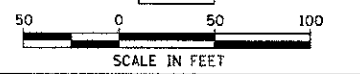
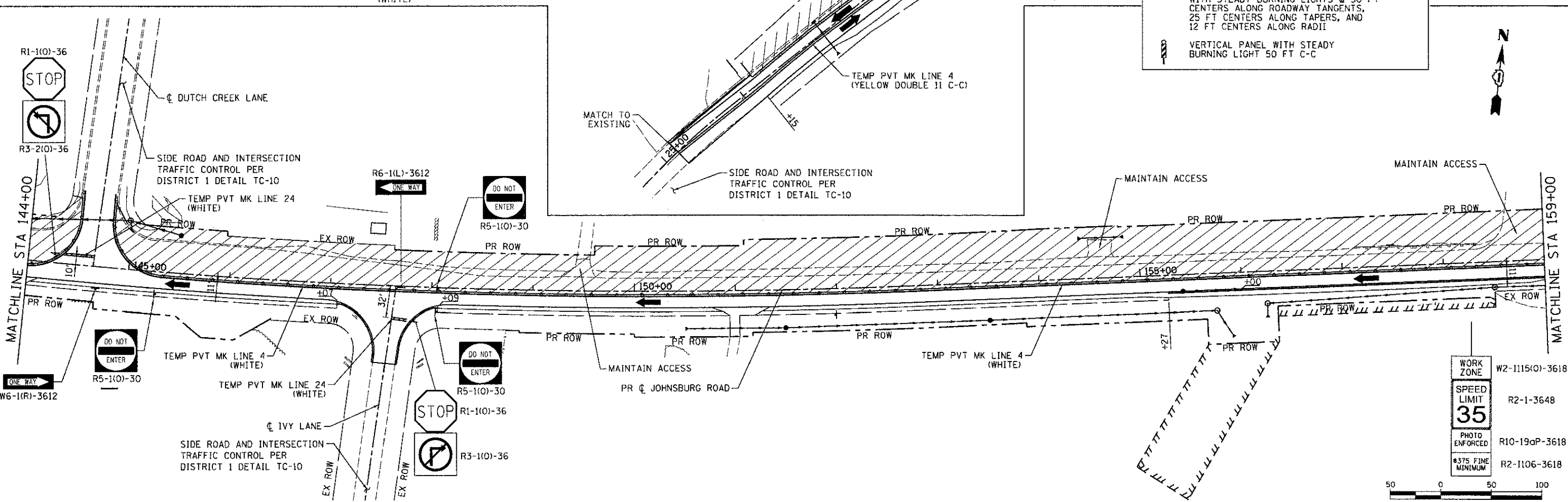


WORK ZONE	W2-1115(0)-3618
SPEED LIMIT	R2-1-3648
PHOTO ENFORCED	R10-19aP-3618
#375 FINE MINIMUM	R2-1106-3618



LEGEND:

- WORK ZONE
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE W/TWO(2) FLASHING LIGHTS
- TEMPORARY CONCRETE BARRIER
- MAINTENANCE OF TRAFFIC SIGN
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING LIGHTS @ 50 FT CENTERS ALONG ROADWAY TANGENTS, 25 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- VERTICAL PANEL WITH STEADY BURNING LIGHT 50 FT C-C



WORK ZONE	W2-1115(0)-3618
SPEED LIMIT	R2-1-3648
PHOTO ENFORCED	R10-19aP-3618
#375 FINE MINIMUM	R2-1106-3618

12/19/2012 2:27:44 PM
 CLIENT: MCHENRY COUNTY
 FILE NAME: 080622-mo12-r2.dgn
 PLOT DRIVER: perf.ctb, no, bw, plot, cto
 PEN TABLE: standard.ctb



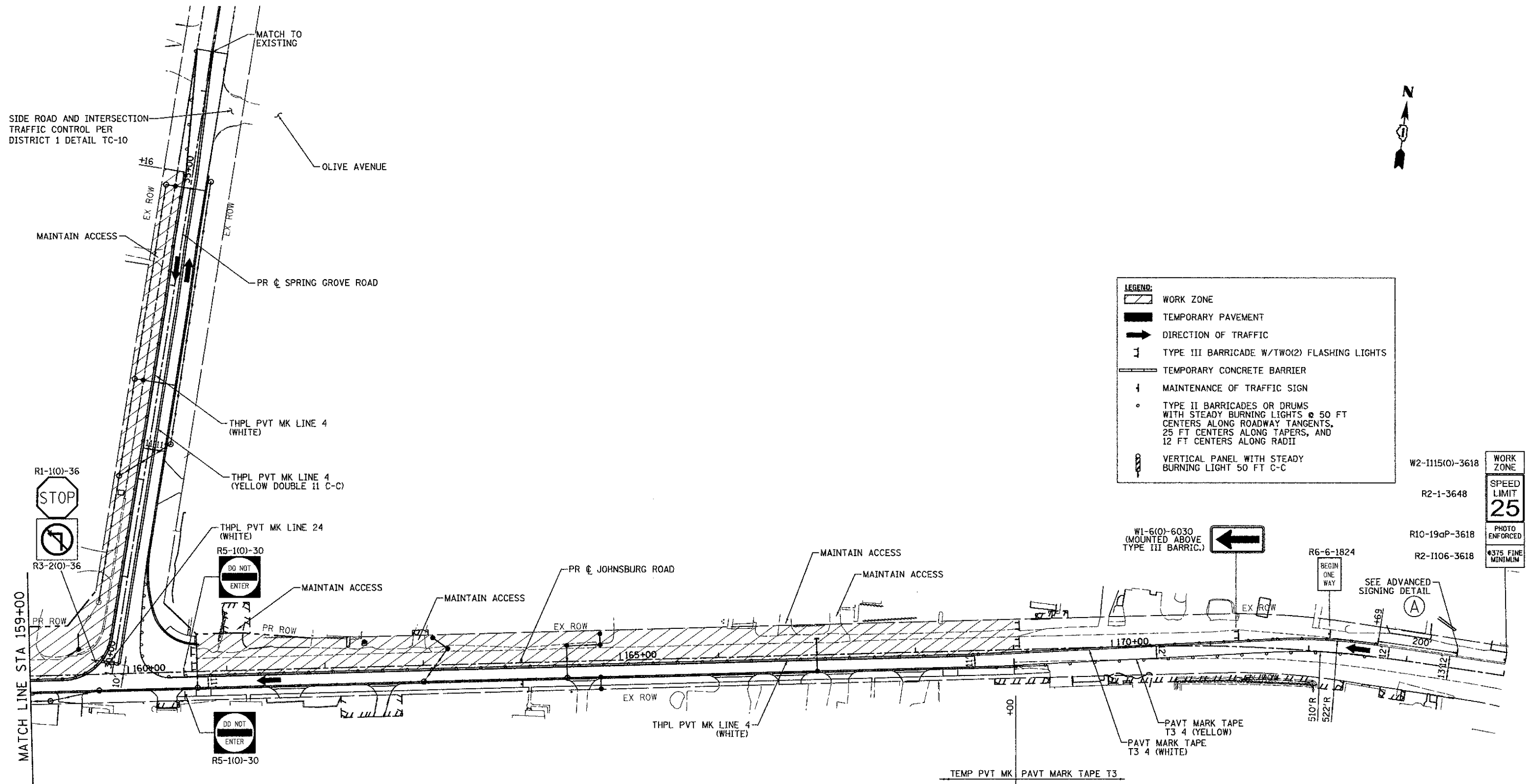
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PLOT SCALE	= 1" = 50'	CHECKED	- TH	REVISED	-
PLOT DATE	= 12/19/2012	DATE	= 12/19/12	REVISED	-

**MCHENRY COUNTY
 DIVISION OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 2
 JOHNSBURG ROAD**

SCALE: 1" = 50' SHEET NO. 9 OF 10 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	32
CONTRACT NO. 63515				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

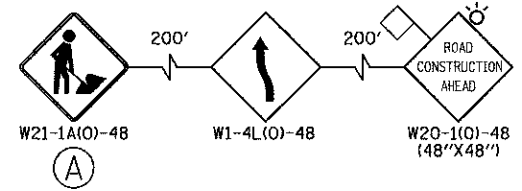


LEGEND:

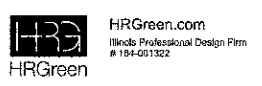
- WORK ZONE
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE W/TWO(2) FLASHING LIGHTS
- TEMPORARY CONCRETE BARRIER
- MAINTENANCE OF TRAFFIC SIGN
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING LIGHTS @ 50 FT CENTERS ALONG ROADWAY TANGENTS, 25 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- VERTICAL PANEL WITH STEADY BURNING LIGHT 50 FT C-C

W2-1115(O)-3618	WORK ZONE
R2-1-3648	SPEED LIMIT 25
R10-19aP-3618	PHOTO ENFORCED
R2-1106-3618	375 FINE MINIMUM

ADVANCED SIGNING DETAIL



COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 CLIENT: Illinois Professional Design Firm
 DATE PLOTTED: 1/3/2013 8:26:46 AM
 FILE NAME: 080622-mat2-03.dgn
 PLOT DRIVER: pdf_drv_no_leveloforg
 PEN TABLE: ehand-d-frame.tbl



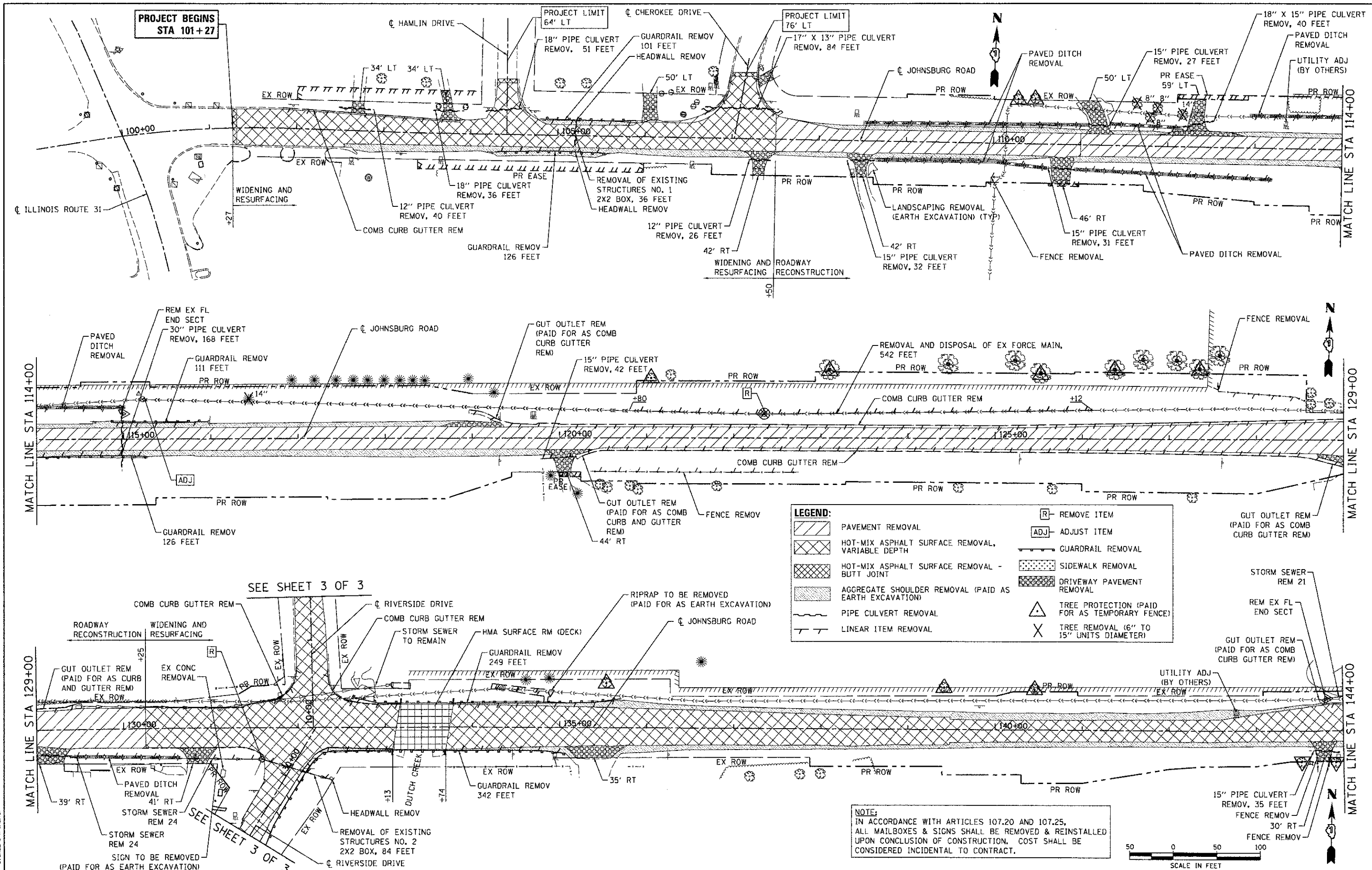
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PLOT DATE = 1/3/2013	DATE - 1/3/13	REVISED -

**MCHENRY COUNTY
DIVISION OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 2
JOHNSBURG ROAD**

SCALE: 1" = 50' SHEET NO. 10 OF 10 SHEETS STA. TO STA.

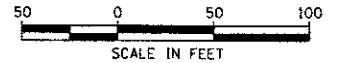
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	33
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63515	



LEGEND:

	PAVEMENT REMOVAL		REMOVE ITEM
	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH		ADJUST ITEM
	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT		GUARDRAIL REMOVAL
	AGGREGATE SHOULDER REMOVAL (PAID AS EARTH EXCAVATION)		SIDEWALK REMOVAL
	PIPE CULVERT REMOVAL		DRIVEWAY PAVEMENT REMOVAL
	LINEAR ITEM REMOVAL		TREE PROTECTION (PAID FOR AS TEMPORARY FENCE)
			TREE REMOVAL (6" TO 15" UNITS DIAMETER)

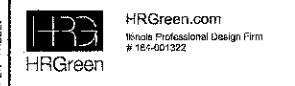
NOTE:
 IN ACCORDANCE WITH ARTICLES 107.20 AND 107.25, ALL MAILBOXES & SIGNS SHALL BE REMOVED & REINSTALLED UPON CONCLUSION OF CONSTRUCTION. COST SHALL BE CONSIDERED INCIDENTAL TO CONTRACT.



SEE SHEET 3 OF 3

SEE SHEET 3 OF 3

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: jettone
 CLIENT: MCHENRY COUNTY
 DATE PLOTTED: 12/20/2012 08:57:52 AM
 FILE NAME: 090622-rem-01.dgn
 PLOT DRIVER: pdf_bw_no_levels.ctb
 PEN TABLE: standard-trans.ctb



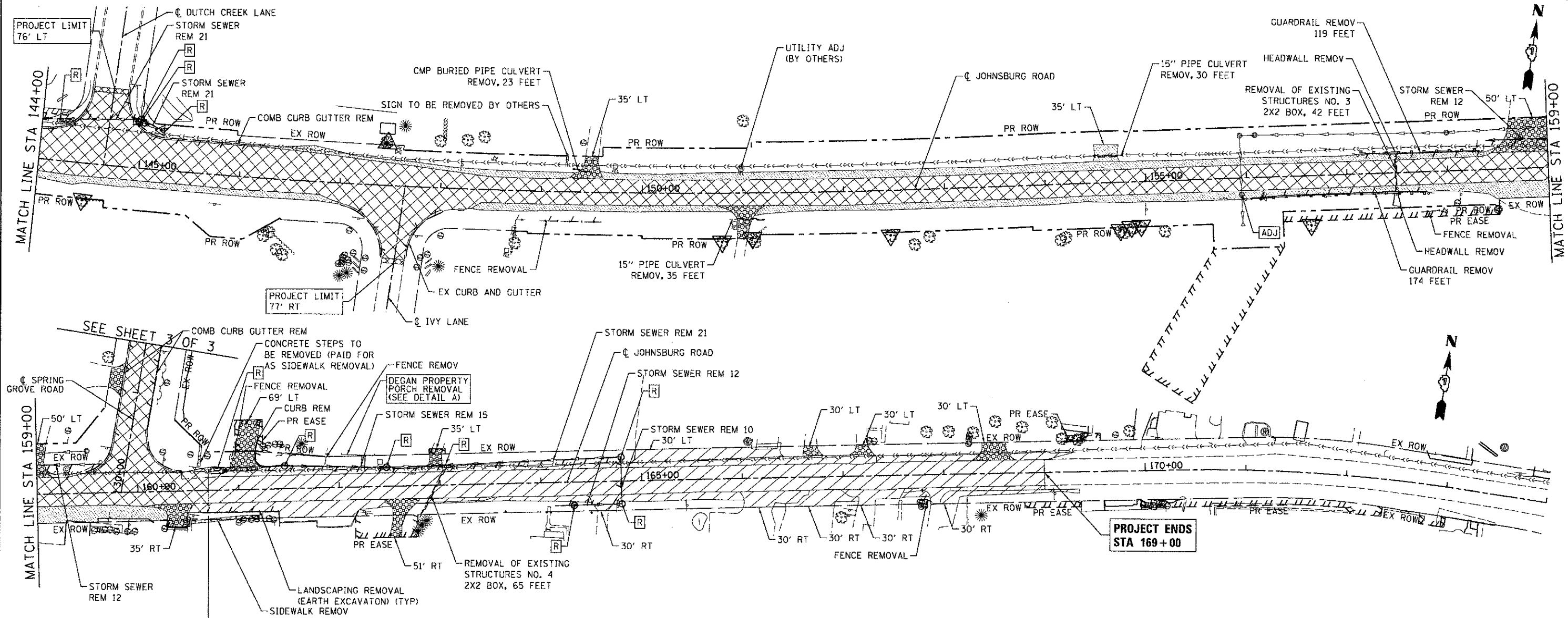
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PLOT SCALE = 1" = 50'	CHECKED - TH	REVISED -
PLOT DATE = 12/20/2012	DATE - 12/20/12	REVISED -

**MCHENRY COUNTY
 DIVISION OF TRANSPORTATION**

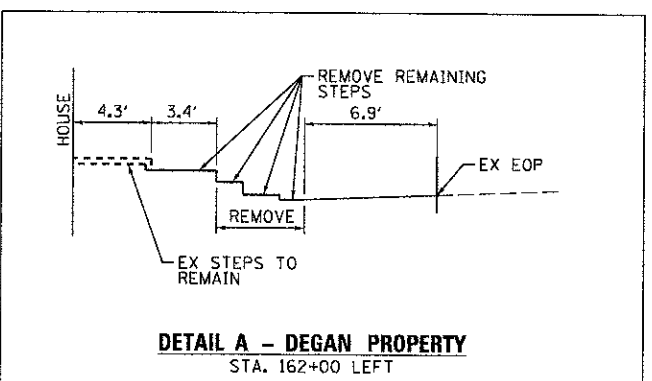
**REMOVAL PLAN
 JOHNSBURG ROAD**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	34
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 63515	



WIDENING AND RESURFACING
ROADWAY RECONSTRUCTION



LEGEND:

	PAVEMENT REMOVAL		REMOVE ITEM
	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH		ADJUST ITEM
	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT		GUARDRAIL REMOVAL
	AGGREGATE SHOULDER REMOVAL (PAID AS EARTH EXCAVATION)		SIDEWALK REMOVAL
	PIPE CULVERT REMOVAL		DRIVEWAY PAVEMENT REMOVAL
	LINEAR ITEM REMOVAL		TREE PROTECTION (PAID FOR AS TEMPORARY FENCE)
			TREE REMOVAL (6" TO 15" UNITS DIAMETER)



COMPANY NAME: HRGreen.com
 PROJECT CONTACT: jettane
 DATE PLOTTED: 08/22/12
 FILE NAME: 080822-rm-02.dgn
 PLOT SCALE: 1" = 50'
 PLOT DRIVER: perf.bw.no.lvs@hrgrn.com
 PEN TABLE: standard-tronco.tbl

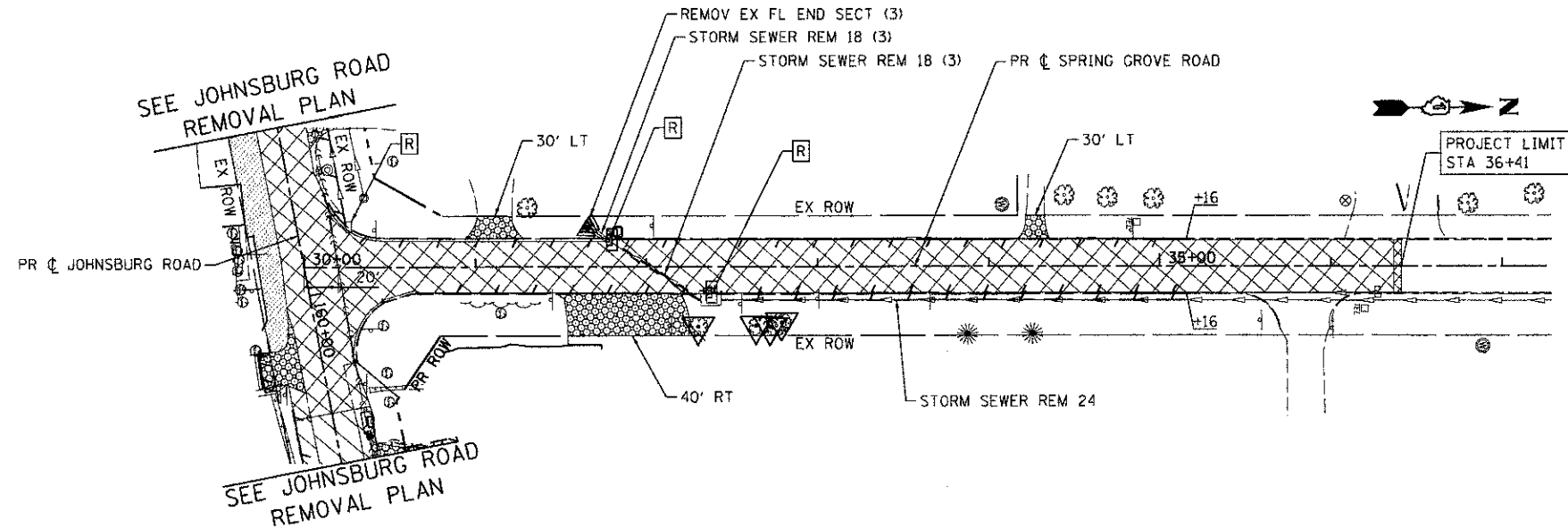
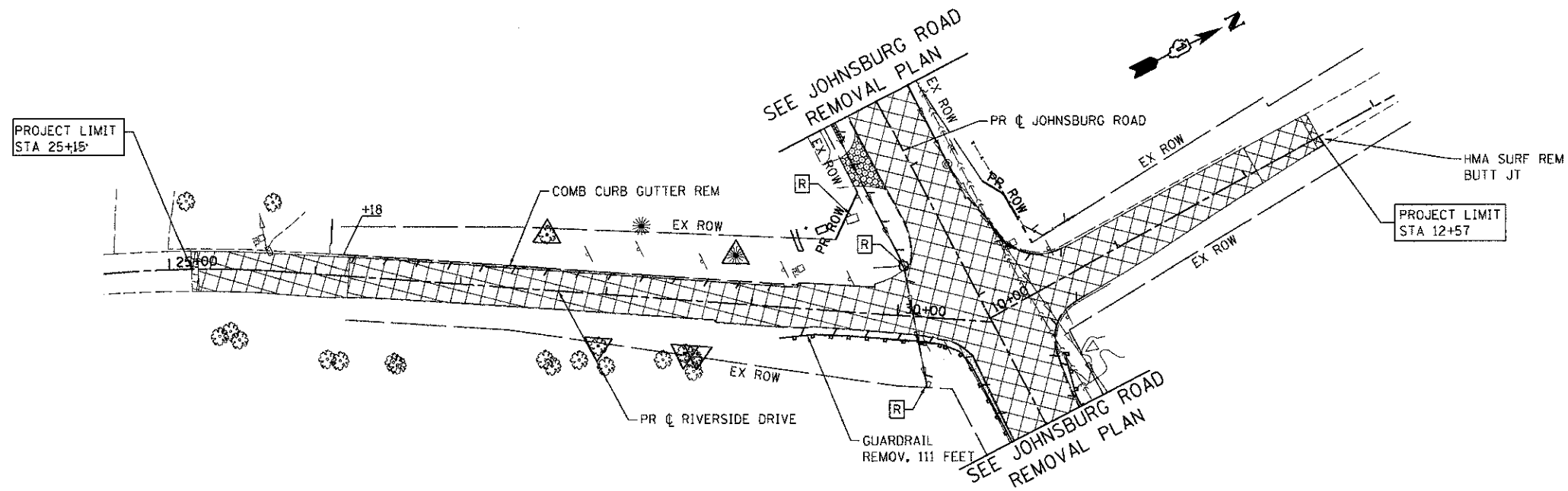
HRGreen.com Illinois Professional Design Firm #164-301322	USER NAME = jettane	DESIGNED - JRM	REVISED -
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	PLOT DATE = 12/20/2012	DATE - 12/20/12	REVISED -

**MCHENRY COUNTY
DIVISION OF TRANSPORTATION**

**REMOVAL PLAN
JOHNSBURG ROAD**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	35
FED. ROAD DIST. NO.			CONTRACT NO. 63515	
ILLINOIS FED. AID PROJECT				



LEGEND:

	PAVEMENT REMOVAL		REMOVE ITEM
	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH		ADJUST ITEM
	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT		GUARDRAIL REMOVAL
	AGGREGATE SHOULDER REMOVAL (PAID AS EARTH EXCAVATION)		SIDEWALK REMOVAL
	PIPE CULVERT REMOVAL		DRIVEWAY PAVEMENT REMOVAL
	LINEAR ITEM REMOVAL		TREE PROTECTION (PAID FOR AS TEMPORARY FENCE)
			TREE REMOVAL (6" TO 15" UNITS DIAMETER)



COMPANY NAME: HRGreen
 PROJECT CONTACT: jettane
 CLIENT: MCHENRY COUNTY
 DATE PLOTTED: 12/19/2012 2:28:23 PM
 FILE NAME: 080622-rem-03.dgn
 PLOT DRIVER: poff.lw.nc.hvmlcfcfg
 PEN TABLE: standard-trans.tbl



USER NAME = jettane	DESIGNED - JRM	REVISED -
FILE NAME = 080622-rem-03.dgn	DRAWN - SMP	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - TH	REVISED -
PLOT DATE = 12/19/2012	DATE - 12/19/12	REVISED -

**MCHENRY COUNTY
DIVISION OF TRANSPORTATION**

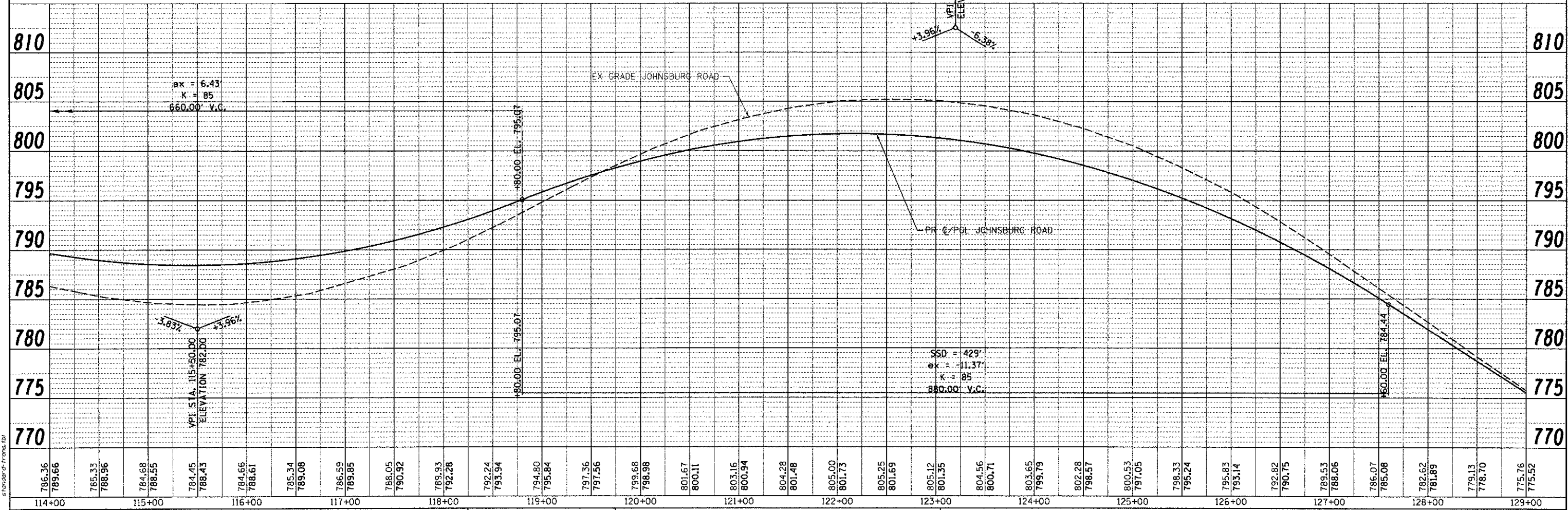
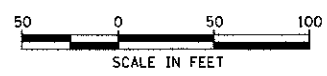
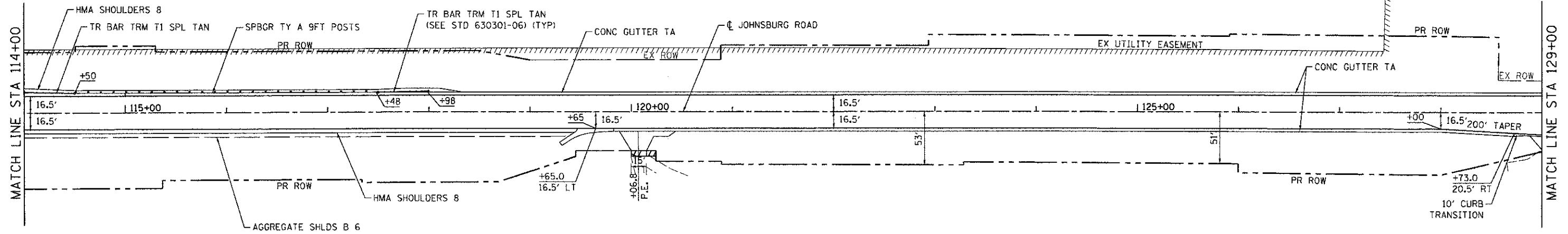
REMOVAL PLAN	
RIVERSIDE DRIVE AND SPRING GROVE ROAD	
SCALE: 1" = 50'	SHEET NO. 3 OF 3 SHEETS
STA.	TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	36
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 63515	

PLAN	REVIEWED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	PAID FILE NAME	
	NO.	

PROFILE	REVIEWED	DATE
	PLOTTED	
	GRADES CHECKED	
	NOTE BOOK	
	STRUCTURE NOTATIONS CHECKED	
	NO.	

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: Jettana
 DATE PLOTTED: 12/19/2012 2:26:29 PM
 FILE NAME: 088622.dwg
 PLOT DATE: 12/19/2012



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114+00	115+00	116+00	117+00	118+00	119+00	120+00	121+00	122+00	123+00	124+00	125+00	126+00	127+00	128+00	129+00																																														

**MCHENRY COUNTY
 DIVISION OF TRANSPORTATION**

**ROADWAY PLAN AND PROFILE
 JOHN SBURG ROAD**

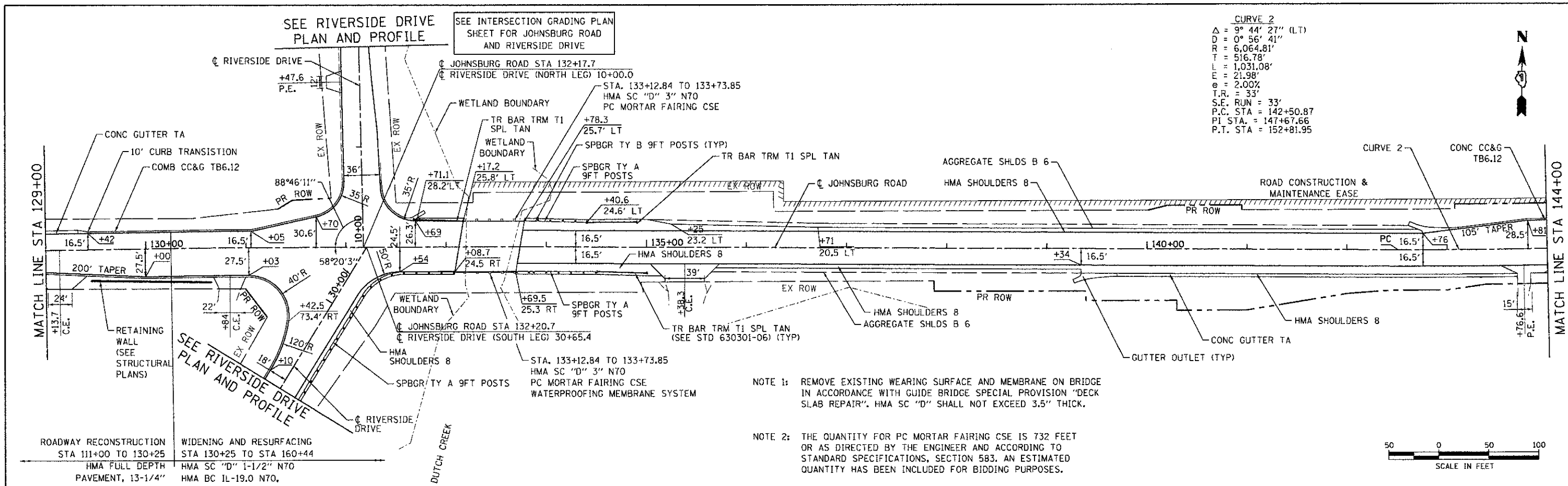
SCALE: 1" = 50' SHEET NO. 2 OF 7 SHEETS STA. TO STA.

F.A.U. RTE. 168	SECTION 05-00314-00-WR	COUNTY MCHENRY	TOTAL SHEETS 187	SHEET NO. 38
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DATE	BY
REVISIONS	
NO. 1	
NO. 2	
NO. 3	
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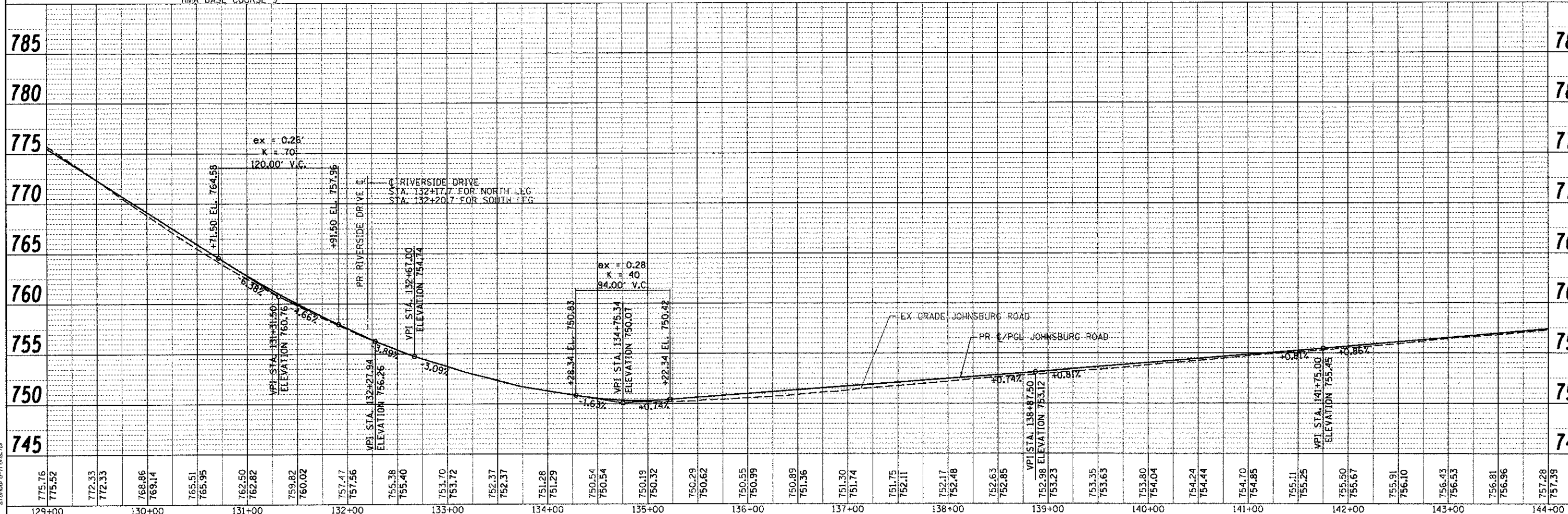
DATE	BY
REVISIONS	
NO. 1	
NO. 2	
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NO. 97	
NO. 98	
NO. 99	
NO. 100	

COMPANY NAME: HRGreen
 CLIENT CONTACT: Jettana
 DATE PLOTTED: 12/19/2012 2:38:47 PM
 FILE NAME: 088622-rp-p-03.dgn
 PLOT DRIVER: pdf.dwg.no.dwg.plt
 PEN TABLE: standard.ctb



CURVE 2
 $\Delta = 9^\circ 44' 27''$ (LT)
 $D = 0^\circ 56' 41''$
 $R = 6,064.81'$
 $T = 516.78'$
 $L = 1,031.08'$
 $E = 21.98'$
 $e = 2.00\%$
 $T.R. = 33'$
 $S.E. RUN = 33'$
 $P.C. STA = 142+50.87$
 $PI STA = 147+67.66$
 $P.T. STA = 152+81.95$

NOTE 1: REMOVE EXISTING WEARING SURFACE AND MEMBRANE ON BRIDGE IN ACCORDANCE WITH GUIDE BRIDGE SPECIAL PROVISION "DECK SLAB REPAIR". HMA SC "D" SHALL NOT EXCEED 3.5" THICK.
NOTE 2: THE QUANTITY FOR PC MORTAR FAIRING CSE IS 732 FEET OR AS DIRECTED BY THE ENGINEER AND ACCORDING TO STANDARD SPECIFICATIONS, SECTION 583. AN ESTIMATED QUANTITY HAS BEEN INCLUDED FOR BIDDING PURPOSES.



775.76	775.52	772.33	772.33	768.86	769.14	765.51	765.95	762.50	762.82	759.82	760.02	757.47	757.56	755.38	755.40	753.70	753.72	752.37	752.37	751.28	751.29	750.54	750.54	750.19	750.32	750.29	750.62	750.55	750.99	750.89	751.36	751.30	751.74	751.75	752.11	752.17	752.48	752.63	752.85	752.98	753.23	753.35	753.63	753.80	754.04	754.24	754.44	754.70	754.85	755.11	755.25	755.50	755.67	755.91	756.10	756.43	756.53	756.81	756.96	757.28	757.39
129+00	130+00	131+00	132+00	133+00	134+00	135+00	136+00	137+00	138+00	139+00	140+00	141+00	142+00	143+00	144+00																																														

HRGreen
 USER NAME = jettana
 FILE NAME = 088622-rp-p-03.dgn
 PLOT SCALE = 1" = 50'
 PLOT DATE = 12/19/2012

DESIGNED - JRM	REVISED -	DRAWN - JPA	REVISED -	CHECKED - TH	REVISED -	DATE - 12/19/12	REVISED -
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MCHENRY COUNTY
DIVISION OF TRANSPORTATION

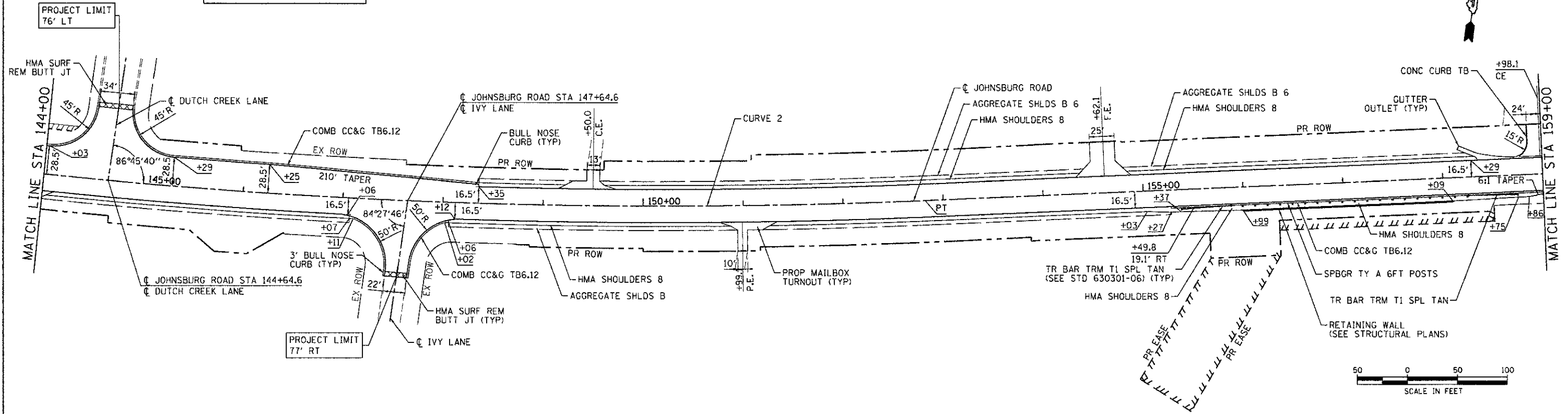
ROADWAY PLAN AND PROFILE
JOHNSBURG ROAD
 SCALE: 1" = 50' SHEET NO. 3 OF 7 SHEETS STA. TO STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
05-00314-00-WR	MCHENRY	187	39
CONTRACT NO. 63515		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

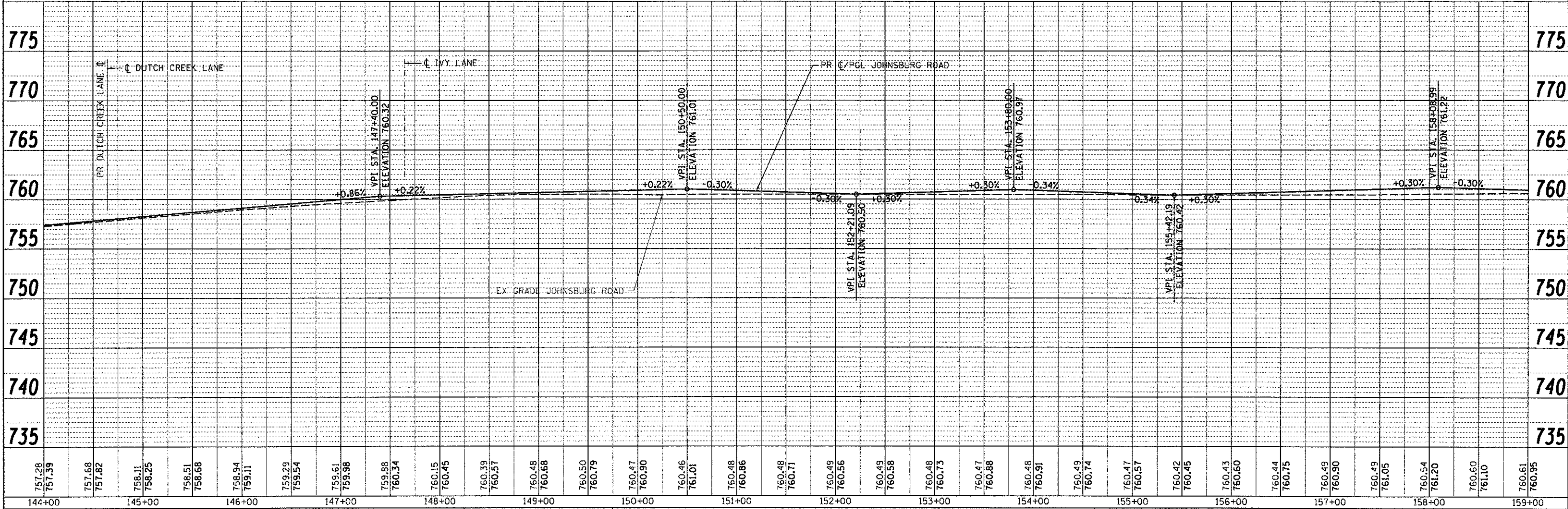
SEE INTERSECTION GRADING PLAN
SHEET FOR DUTCH CREEK
LANE AND IVY LANE



DATE	
BY	
PROJECT	
PROFILES	
ALIGNMENT	
CHECKED	
NO.	
NOTE BOOK	
NO.	
CAD FILE NAME	
NO.	



DATE	
BY	
PROJECT	
PROFILES	
GRADES	
CHECKED	
NO.	
NOTE BOOK	
NO.	
STRUCTURE	
DATA	
NO.	



COMPANY NAME: HRGreen.com
 PROJECT CONTACT: jstana
 CLIENT: MCHENRY COUNTY
 DATE PLOTTED: 12/19/2012 2:28:05 PM
 FILE NAME: 080622-ppp-04.dgn
 PLOT DRIVER: pdt_lw_no_rev.dwg
 PEN TABLE: standard.ctb

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144+00	145+00	146+00	147+00	148+00	149+00	150+00	151+00	152+00	153+00	154+00	155+00	156+00	157+00	158+00	159+00																																														

USER NAME = jstana	DESIGNED - JRM	REVISED -
FILE NAME = 080622-ppp-04.dgn	DRAWN - JPA	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - TH	REVISED -
PLOT DATE = 12/19/2012	DATE - 12/19/12	REVISED -

**MCHENRY COUNTY
DIVISION OF TRANSPORTATION**

**ROADWAY PLAN AND PROFILE
JOHNSBURG ROAD**

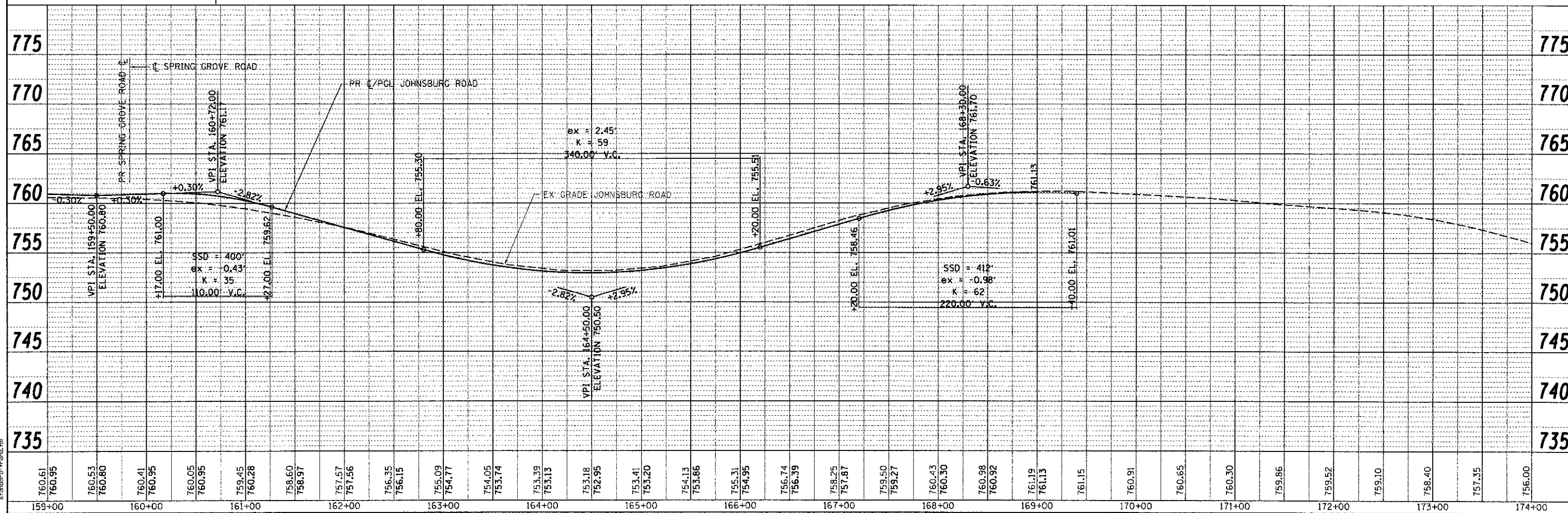
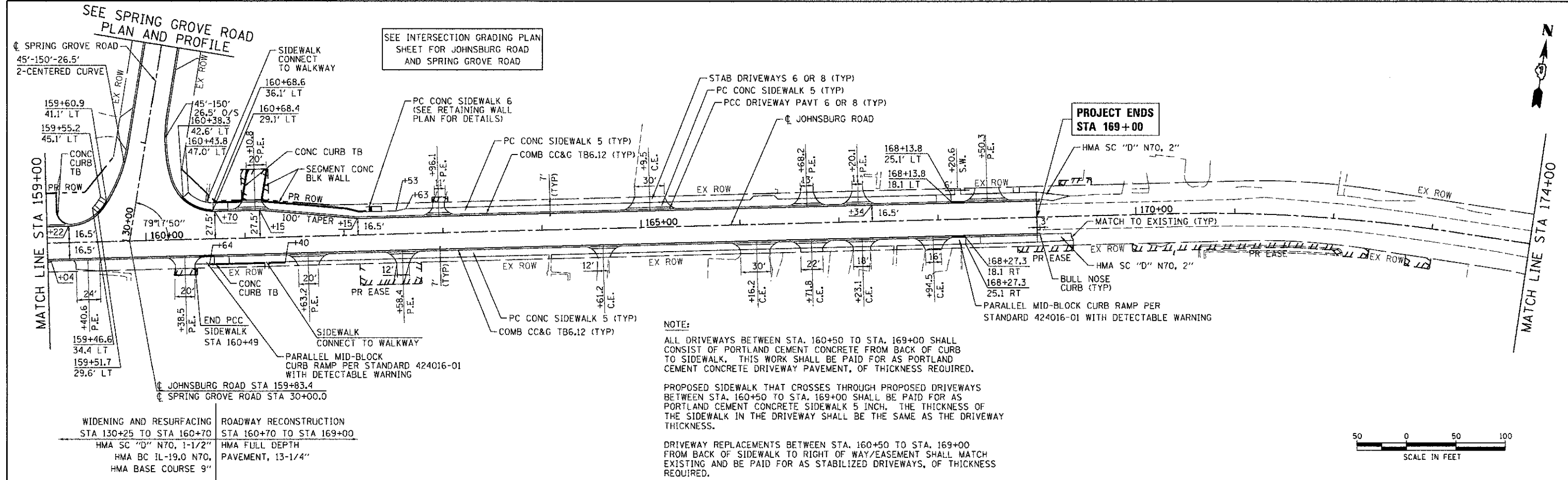
SCALE: 1" = 50' SHEET NO. 4 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	40
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		CONTRACT NO. 63515

DATE	
BY	
PLANNED	
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DATE	
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DATE	
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PLANNED	
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DATE	
BY	
NO.	

12/19/2012 2:24:03 PM
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760.61	760.95	760.53	760.80	760.41	760.95	760.05	760.95	759.45	760.28	758.60	758.97	757.57	757.56	756.35	756.15	755.09	754.77	754.05	753.74	753.39	753.13	753.18	752.95	753.41	753.20	754.13	753.86	755.31	754.95	756.74	756.39	758.25	757.87	759.50	759.27	760.43	760.30	760.98	760.92	761.19	761.13	761.15	761.01	760.91	760.65	760.30	759.86	759.52	759.10	758.40	757.35	756.00
159+00	160+00	161+00	162+00	163+00	164+00	165+00	166+00	167+00	168+00	169+00	170+00	171+00	172+00	173+00	174+00																																					

MCHENRY COUNTY
 DIVISION OF TRANSPORTATION

ROADWAY PLAN AND PROFILE
 JOHNSBURG ROAD



USER NAME = jettano
 FILE NAME = 200622-ppr-05.dgn
 PLOT SCALE = 1" = 50'
 PLOT DATE = 12/19/2012

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

REVISED -
 REVISED -
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 REVISED -

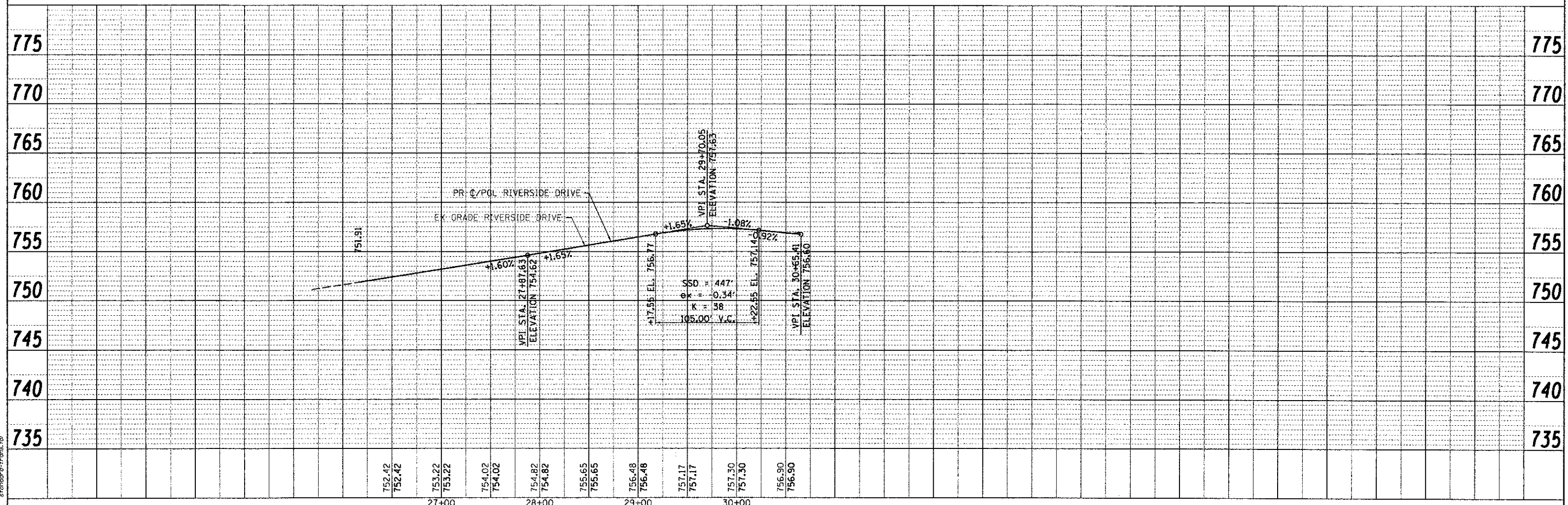
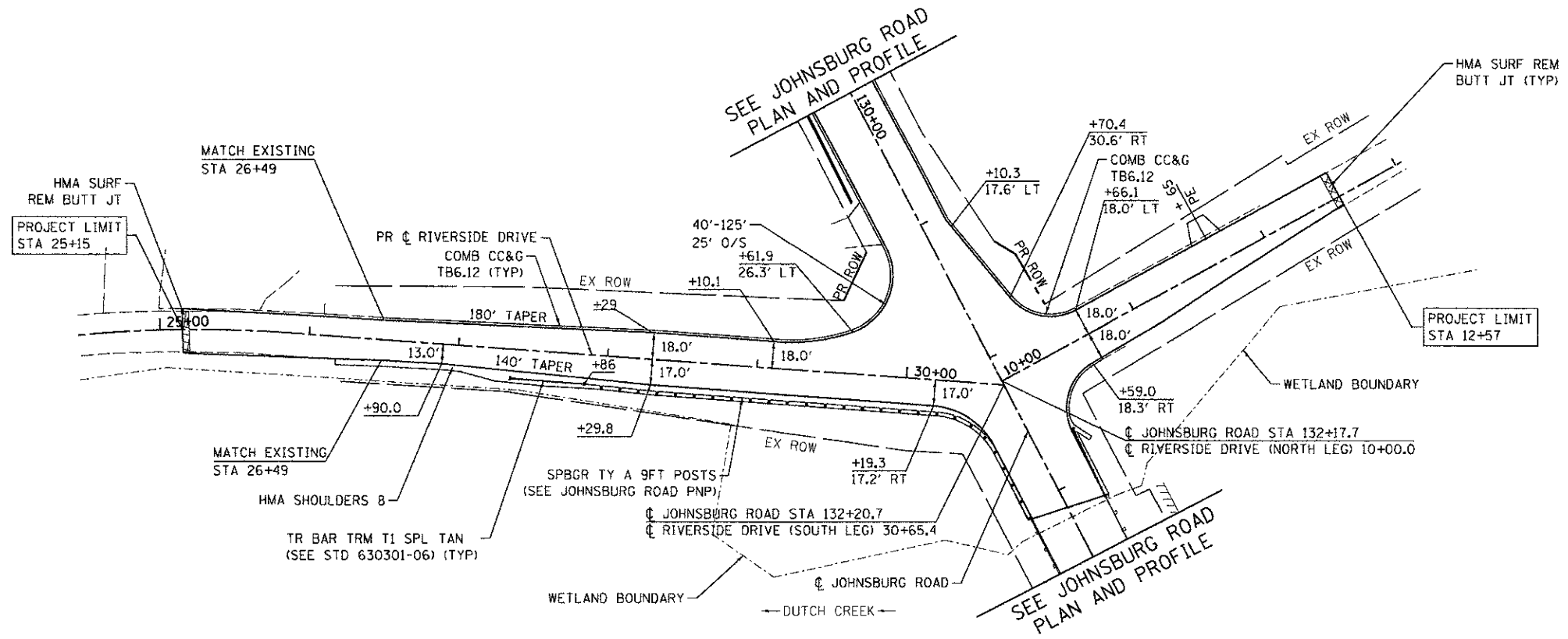
SCALE: 1" = 50' SHEET NO. 5 OF 7 SHEETS STA. TO STA.

F.A.U. RTE. 168	SECTION 05-00314-00-WR	COUNTY MCHENRY	TOTAL SHEETS 187	SHEET NO. 41
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63515	

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

PROFILE	SURVEYED	DATE
	PLOTTED	
	RECHECKED	
	BY	
	NO. OF WAY CHECKED	
	CADD FILE NAME	
	NO.	

12/19/2012 2:29:27 PM
 DATE PLOTTED: 08/02/2012 10:07:00 AM
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 PLOT DRIVER: standard-trans.tbl
 PEN TABLE:



COMPANY NAME: HRGreen.com
 Illinois Professional Design Firm
 # 184-001322

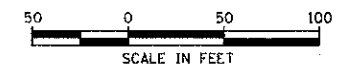
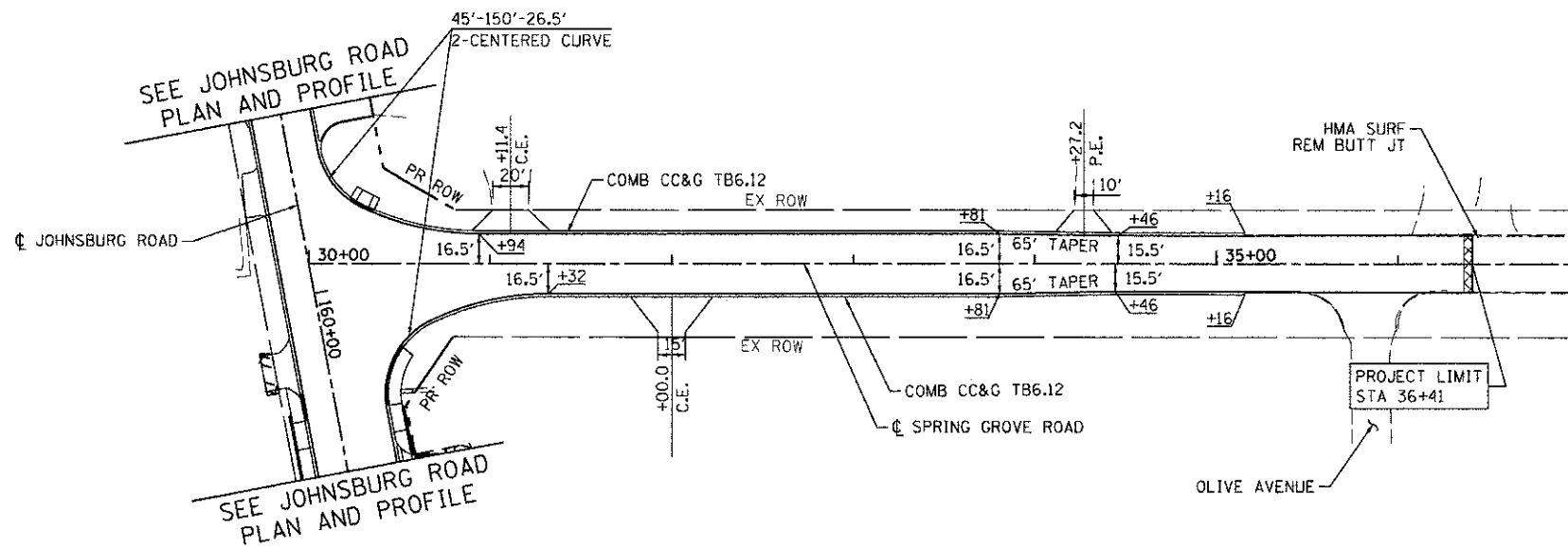
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PLOT SCALE = 1" = 50'	CHECKED - TH	REVISED -
PLOT DATE = 12/19/2012	DATE - 12/19/12	REVISED -

MCHENRY COUNTY
 DIVISION OF TRANSPORTATION

ROADWAY PLAN AND PROFILE
 RIVERSIDE DRIVE

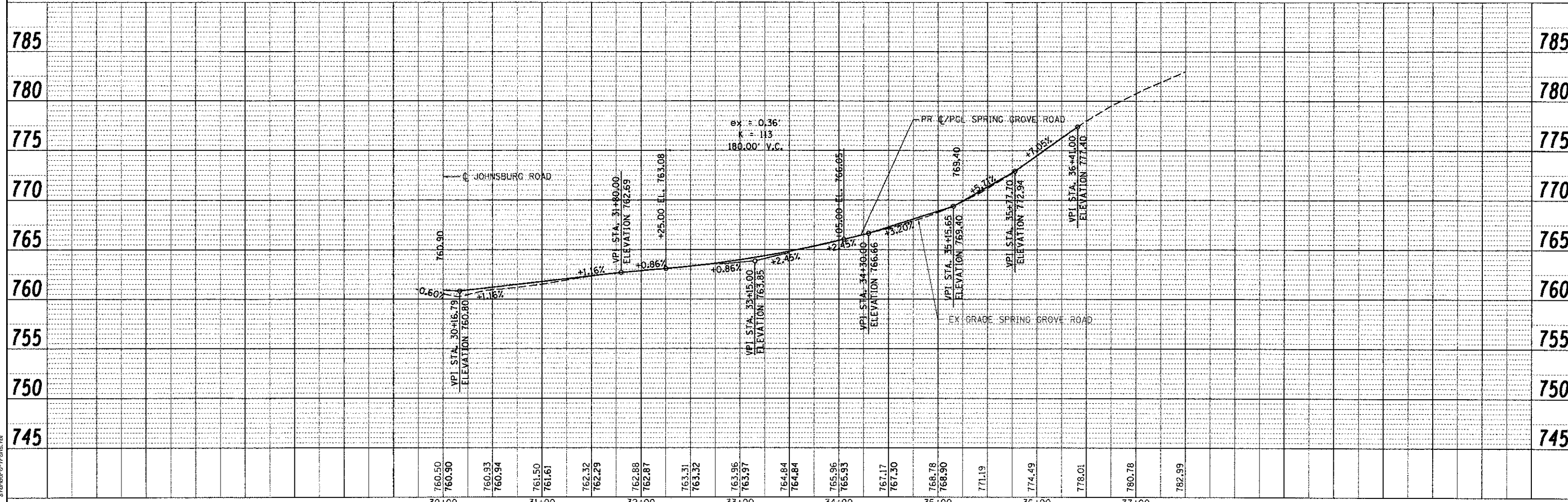
SCALE: 1" = 50' SHEET NO. 6 OF 7 SHEETS STA. TO STA.

F.A.U. RTE. 168	SECTION 05-00314-00-WR	COUNTY MCHENRY	TOTAL SHEETS 187	SHEET NO. 42
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63515	



PLAN	SUBMITTED	DATE
NO.		
NOTE BOOK	PLOTTED	DATE
	BY	
	DATE	
	BY	
	DATE	

PROFILE	SUBMITTED	DATE
NO.		
NOTE BOOK	PLOTTED	DATE
	BY	
	DATE	
	BY	
	DATE	



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 standard-trans.tbl

COMPANY NAME:	HRGreen.com
PROJECT CONTACT:	HRGreen
DATE PLOTTED:	12/19/2012
FILE NAME:	080622-00-08.dgn
PLOT DRIVER:	standard-trans.tbl
PEN TABLE:	

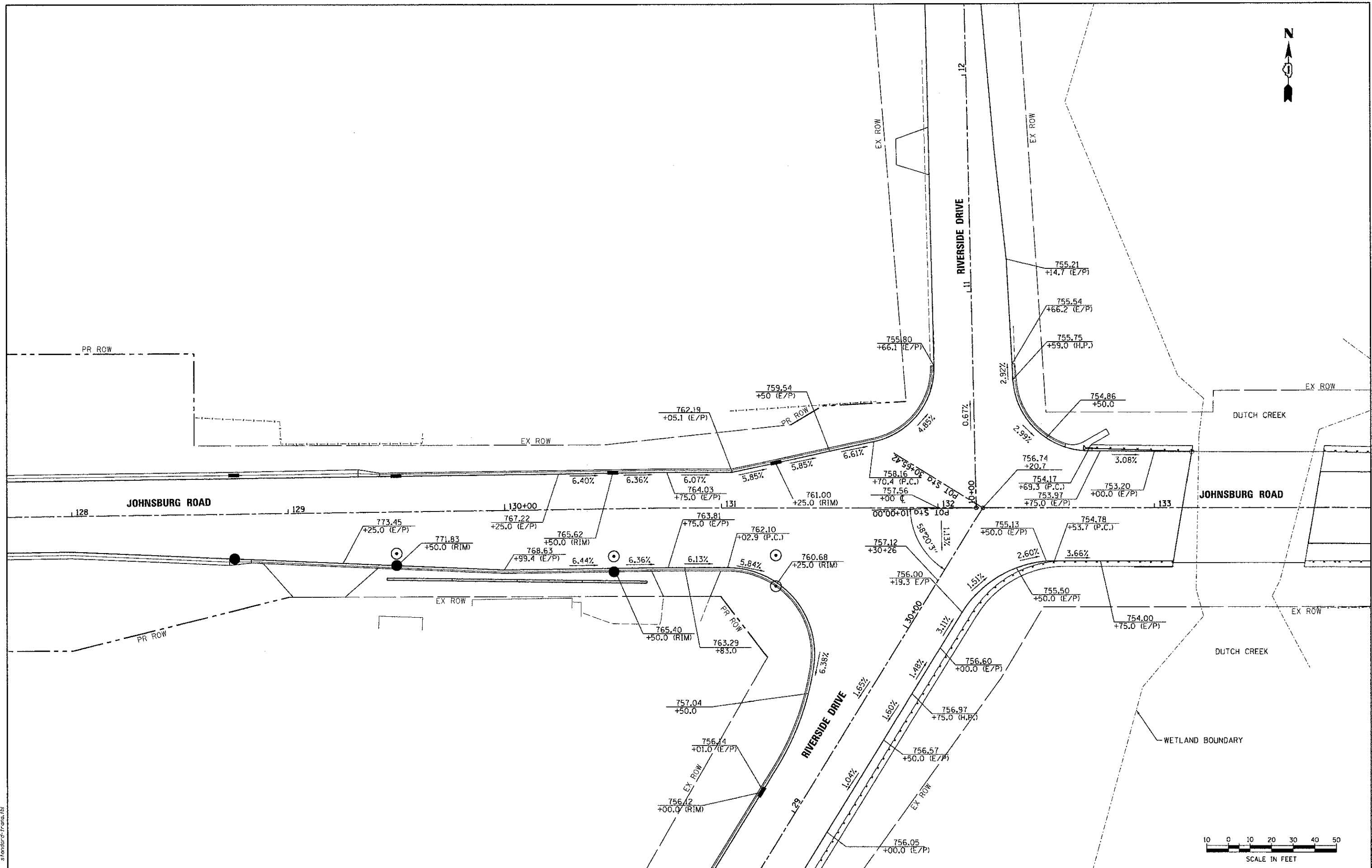
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PLOT DATE = 12/19/2012	DATE - 12/19/12	REVISED -

MCHENRY COUNTY
DIVISION OF TRANSPORTATION

ROADWAY PLAN AND PROFILE
SPRING GROVE ROAD

SCALE: 1" = 50' SHEET NO. 7 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	43
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 63515	



COMPANY NAME: HRGreen
 PROJECT CONTACT: Jettana
 CLIENT: MCHENRY COUNTY
 DATE PLOTTED: 12/19/2012 2:25:34 PM
 FILE PLOTTED: 000622-pep-02.dgn
 PLOT USER: jettana
 PEN TABLE: Standard Tables



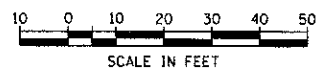
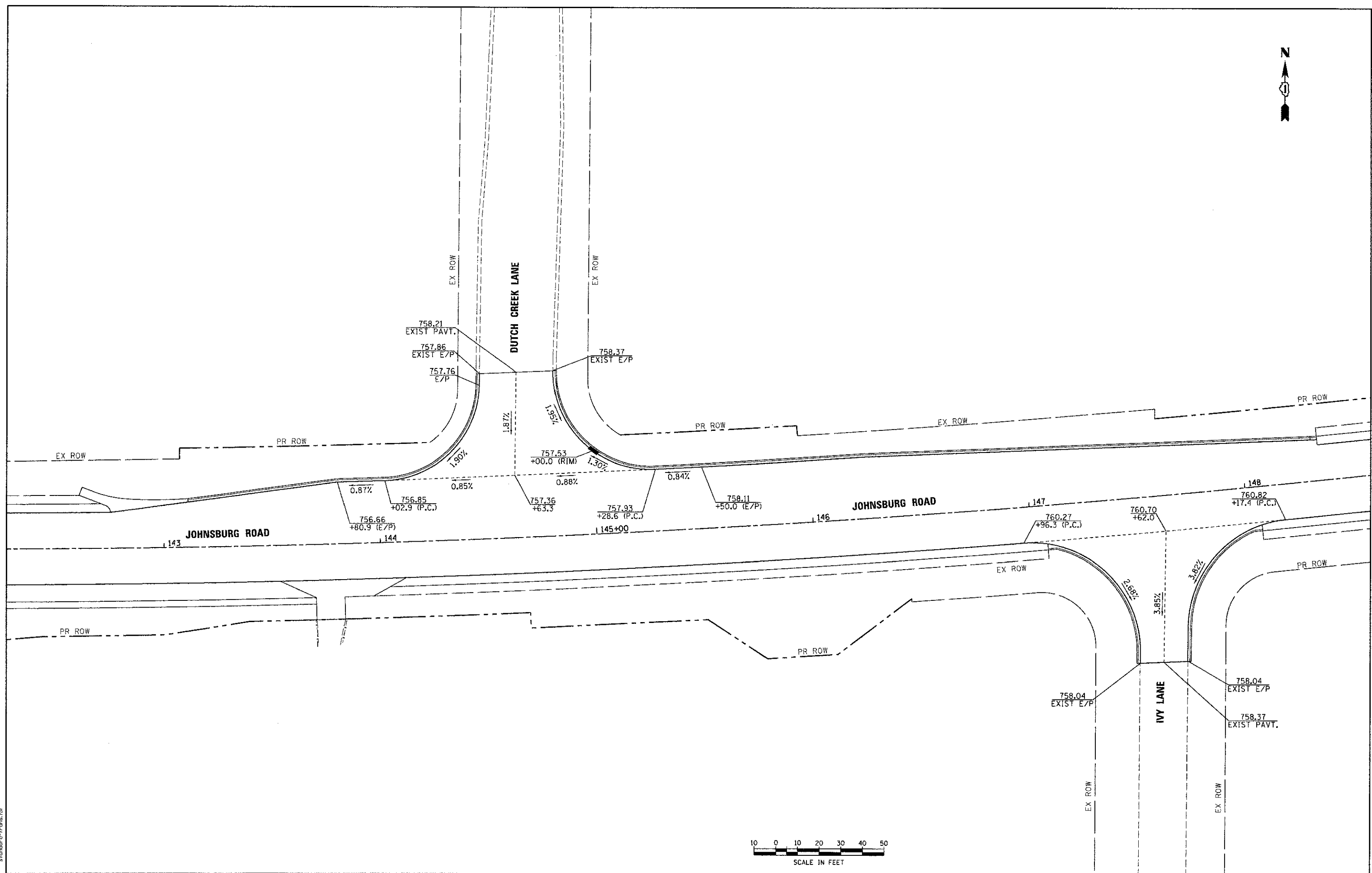
USER NAME = jettana	DESIGNED - JRM	REVISED -
FILE NAME = 000622-pep-02.dgn	DRAWN - JPA	REVISED -
PLOT SCALE = 1" = 20'	CHECKED - TH	REVISED -
PLOT DATE = 12/19/2012	DATE = 12/19/12	REVISED -

MCHENRY COUNTY
DIVISION OF TRANSPORTATION

INTERSECTION GRADING PLAN
RIVERSIDE DRIVE

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

F.A.U. RTE. 168	SECTION 05-00314-00-WR	COUNTY MCHENRY	TOTAL SHEETS 187	SHEET NO. 45
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 63515		



COMPANY NAME: HRGreen
 PROJECT CONTACT: jettone
 DATE PLOTTED: 12/19/2012 2:29:40 PM
 FILE NAME: 080622-pep-03.dgn
 PLOT DRIVER: pdf.dwg no_level0.ctb
 PEN TABLE: standard-trans.tbl

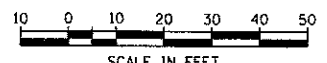
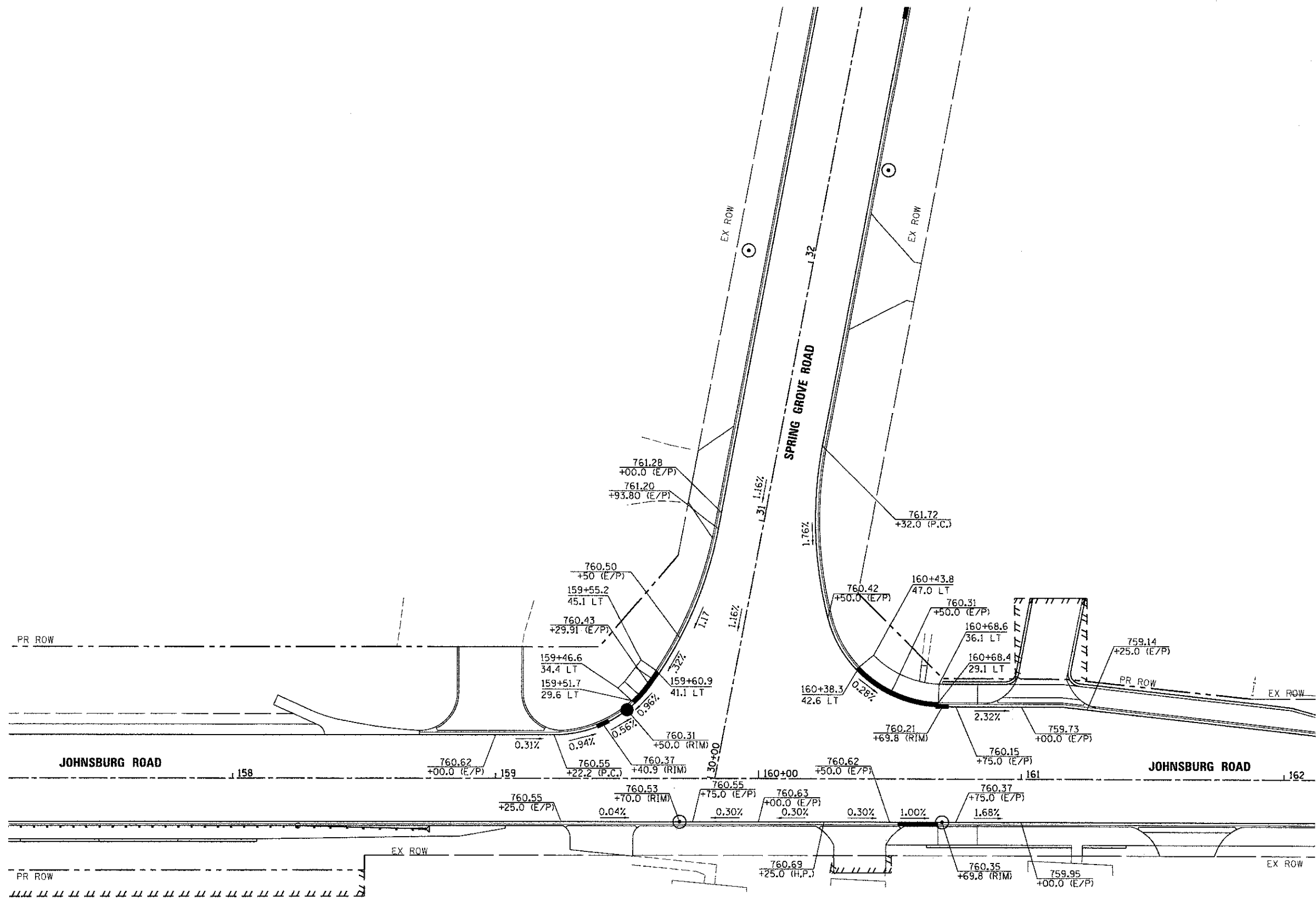

 HRGreen.com
 Illinois Professional Design Firm
 #184-001322

USER NAME = jettone	DESIGNED - JRM	REVISED -
FILE NAME = 080622-pep-03.dgn	DRAWN - JPA	REVISED -
PLOT SCALE = 1" = 20'	CHECKED - TH	REVISED -
PLOT DATE = 12/19/2012	DATE - 12/19/12	REVISED -

MCHENRY COUNTY
DIVISION OF TRANSPORTATION

INTERSECTION GRADING PLAN
DUTCH CREEK LANE AND IVY LANE

F.A.U. RTE. 168	SECTION 05-00314-00-WR	COUNTY MCHENRY	TOTAL SHEETS 187	SHEET NO. 46
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
SCALE: 1" = 20'		SHEET NO. 3 OF 4 SHEETS		STA. TO STA.
CONTRACT NO. 63515				



COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen
 CLIENT: HRGreen
 DATE PLOTTED: 12/19/2012 2:59:48 PM
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 PLOT DRIVER: pdfLw.no.reval.ctb
 PEN TABLE: standard-trans.tbl



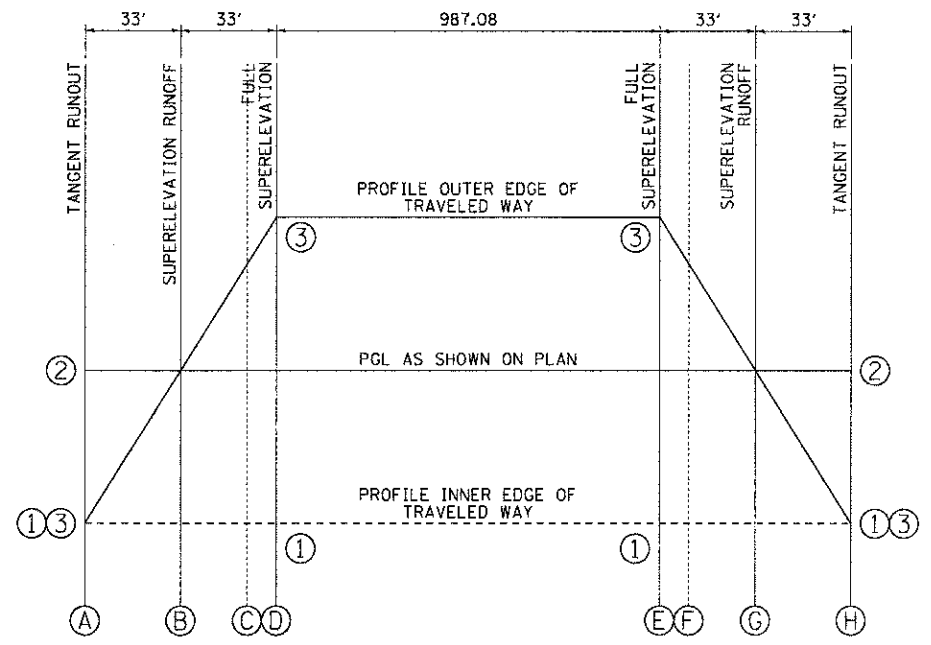
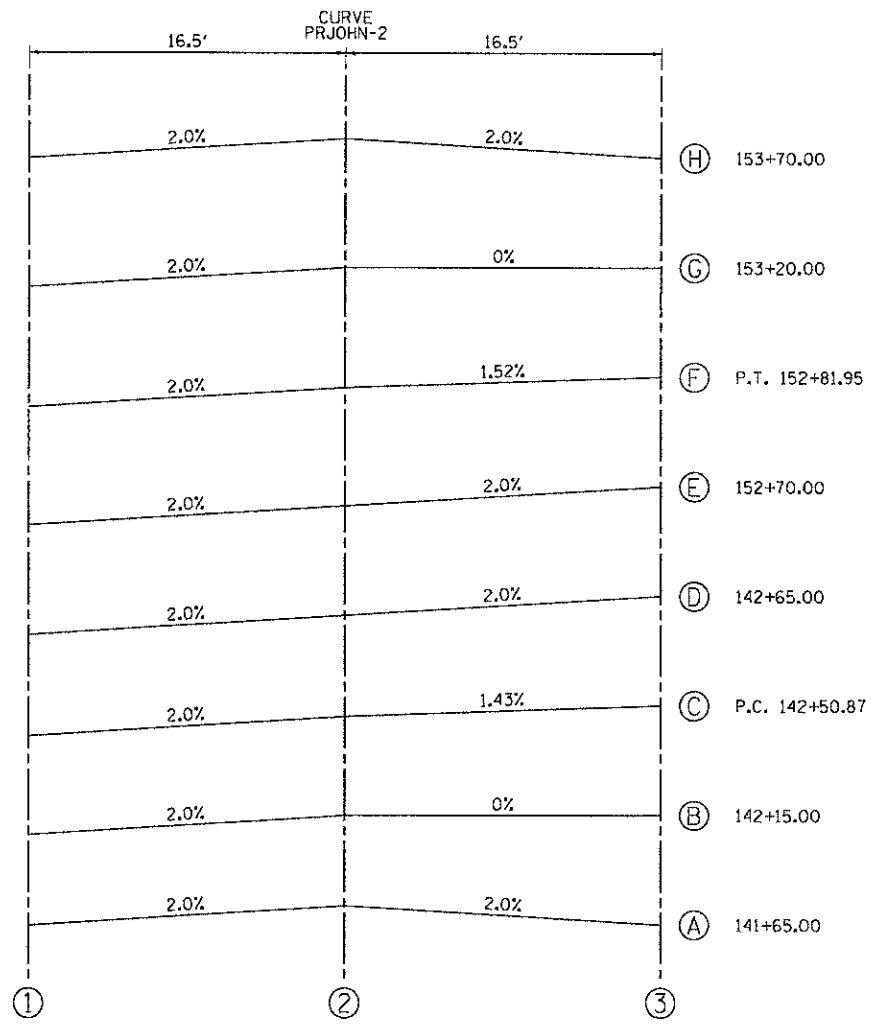
USER NAME = jettene	DESIGNED - JRM	REVISED -
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PLOT SCALE = 1" = 20'	CHECKED - TH	REVISED -
PLOT DATE = 12/19/2012	DATE - 12/19/12	REVISED -

**MCHENRY COUNTY
DIVISION OF TRANSPORTATION**

**INTERSECTION GRADING PLAN
SPRING GROVE ROAD**

SCALE: 1" = 20' SHEET NO. 4 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	47
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63515	



CURVE PRJOHN-2 SUPERELEVATION TRANSITION DIAGRAM
 AXIS OF ROTATION: ABOUT CENTERLINE

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: HRGreen.com
 CLIENT: HRGreen.com
 DATE PLOTTED: 12/19/2012 2:30:00 PM
 FILE NAME: 000622-super-01.dgn
 PLOT DRIVER: pdf.bw.no.bvplotchfg
 PEN TABLE: stfonttbl-fr.ms.tbl



USER NAME = jettene	DESIGNED - JRM	REVISED -
FILE NAME = 000622-super-01.dgn	DRAWN - JPA	REVISED -
PLOT SCALE = N.T.S.	CHECKED - JJP	REVISED -
PLOT DATE = 12/19/2012	DATE - 12/19/12	REVISED -

**MCHENRY COUNTY
 DIVISION OF TRANSPORTATION**

SUPERELEVATION DETAILS

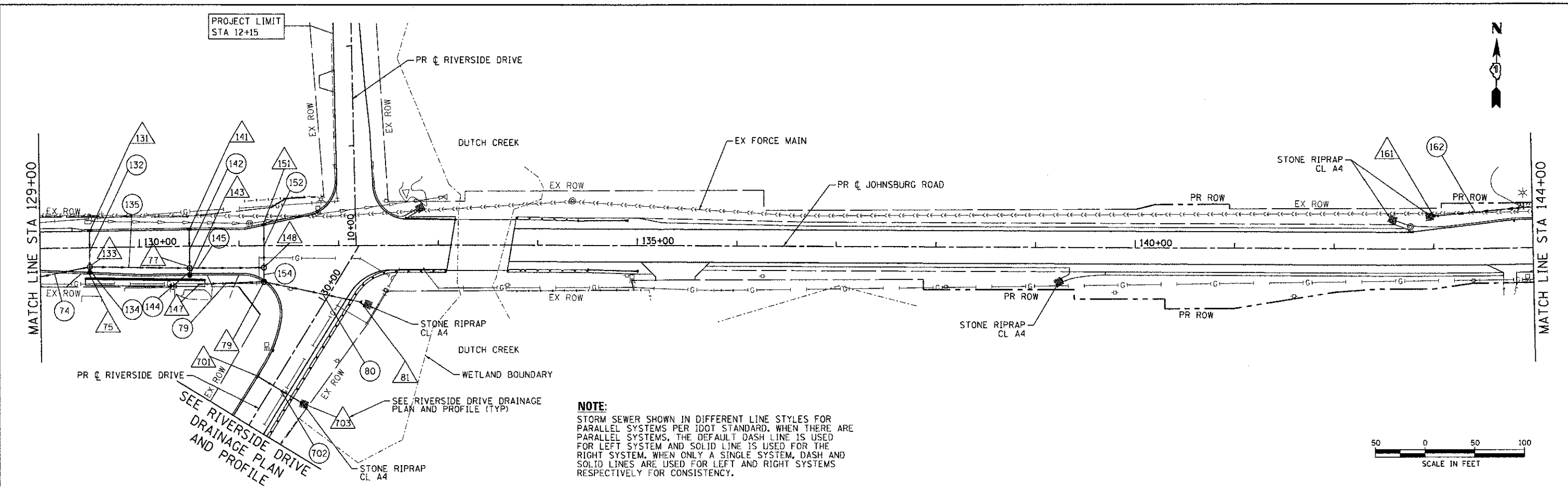
SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	49
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63515	

PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS OK'D	
	NO. OF WAY CHECKED	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS OK'D	
	NO. OF WAY CHECKED	
	CADD FILE NAME	

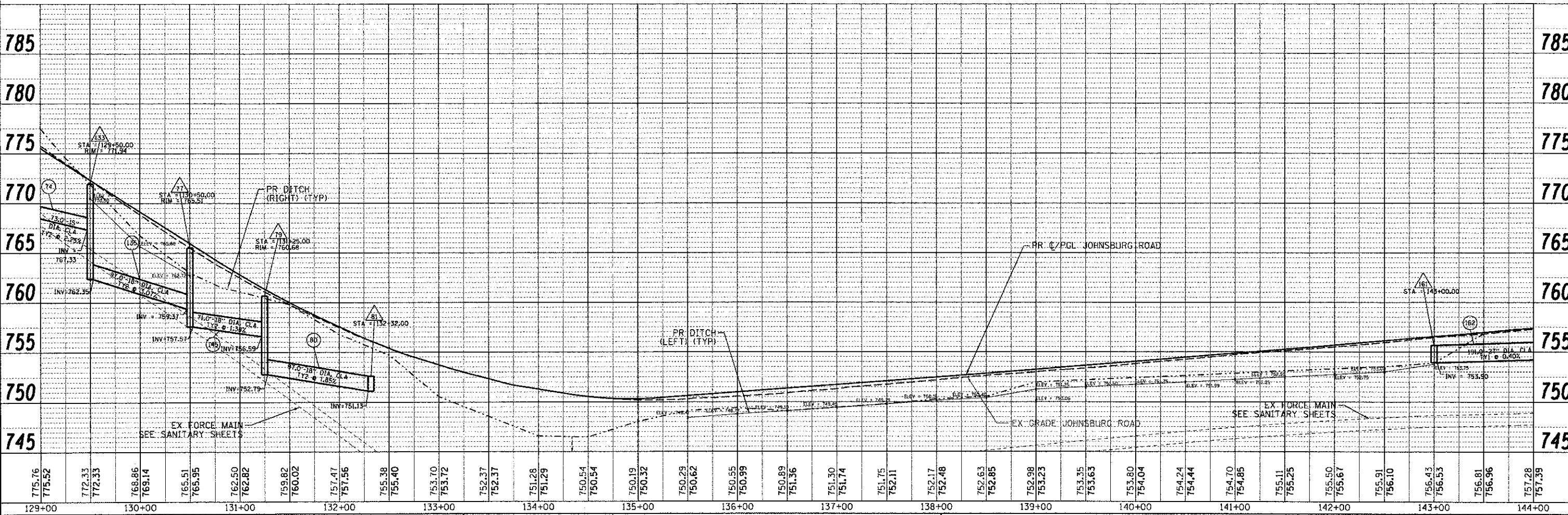
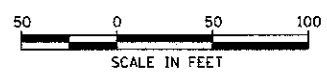
COMPANY NAME: HRGreen.com
 PROJECT CONTACT: J. Jettana
 CLIENT: MCHENRY COUNTY
 DATE PLOTTED: 12/19/2012 2:31:08 PM
 FILE NAME: 090622-00p-03.dgn
 PLOT SCALE: 1" = 50'
 PEN TABLE: Standard (1/28/09)



SEE RIVERSIDE DRIVE DRAINAGE PLAN AND PROFILE

SEE RIVERSIDE DRIVE DRAINAGE PLAN AND PROFILE (TYP)

NOTE:
 STORM SEWER SHOWN IN DIFFERENT LINE STYLES FOR PARALLEL SYSTEMS PER IDOT STANDARD. WHEN THERE ARE PARALLEL SYSTEMS, THE DEFAULT DASH LINE IS USED FOR LEFT SYSTEM AND SOLID LINE IS USED FOR THE RIGHT SYSTEM. WHEN ONLY A SINGLE SYSTEM, DASH AND SOLID LINES ARE USED FOR LEFT AND RIGHT SYSTEMS RESPECTIVELY FOR CONSISTENCY.



775.76	775.52	772.33	772.33	768.86	769.14	765.51	765.95	762.50	762.82	759.82	760.02	757.47	757.56	755.38	755.40	753.70	753.72	752.37	752.37	751.28	751.29	750.54	750.54	750.19	750.32	750.29	750.62	750.55	750.99	750.99	751.36	751.30	751.74	751.75	752.11	752.17	752.48	752.63	752.85	752.98	753.23	753.35	753.63	753.80	754.04	754.24	754.44	754.70	754.85	755.11	755.25	755.50	755.67	755.91	756.10	756.43	756.53	756.81	756.96	757.28	757.39
129+00	130+00	131+00	132+00	133+00	134+00	135+00	136+00	137+00	138+00	139+00	140+00	141+00	142+00	143+00	144+00																																														

HRGreen.com
 Illinois Professional Design Firm
 #184-001322

USER NAME = jettana	DESIGNED = JRM	REVISED =
FILE NAME = 090622-00p-03.dgn	DRAWN = JPA	REVISED =
PLOT SCALE = 1" = 50'	CHECKED = TH	REVISED =
PLOT DATE = 12/19/2012	DATE = 12/19/12	REVISED =

**MCHENRY COUNTY
 DIVISION OF TRANSPORTATION**

**DRAINAGE AND UTILITY PLAN
 JOHNSBURG ROAD**

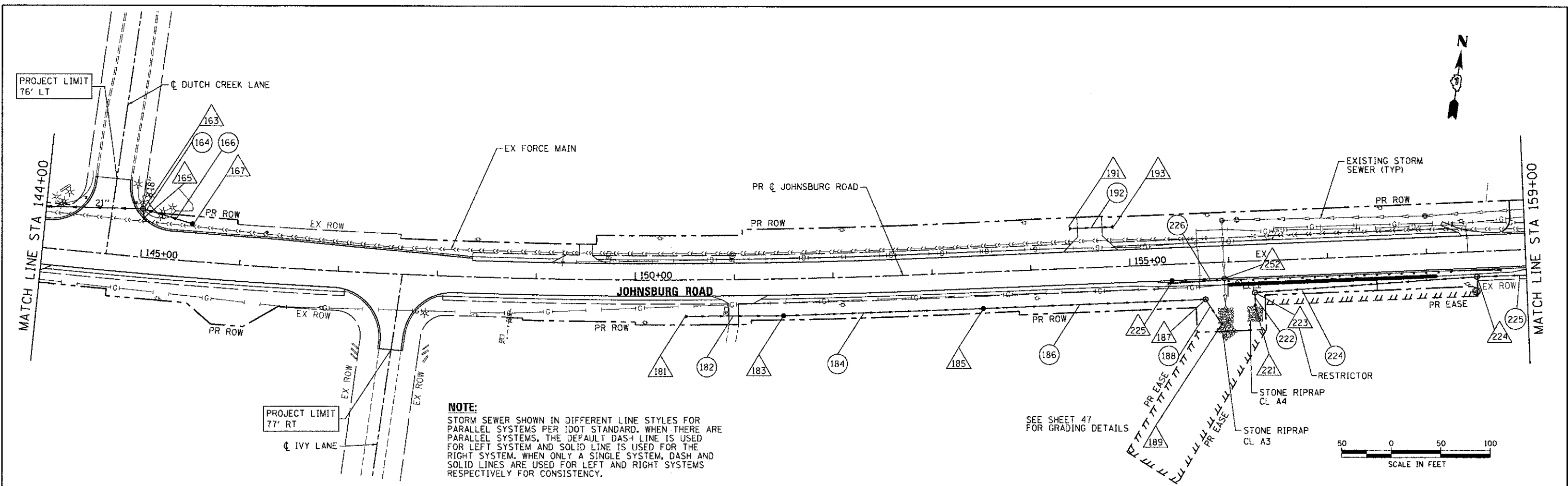
SCALE: 1" = 50' SHEET NO. 3 OF 7 SHEETS STA. TO STA.

F.A.U. RTE. 168	SECTION 05-00314-00-WR	COUNTY MCHENRY	TOTAL SHEETS 187	SHEET NO. 52
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		CONTRACT NO. 63515

PLAN	REVISIONS	DATE
NOTE BOOK	ALIGNED	CHECKED
NO.	PAID FILE NAME	

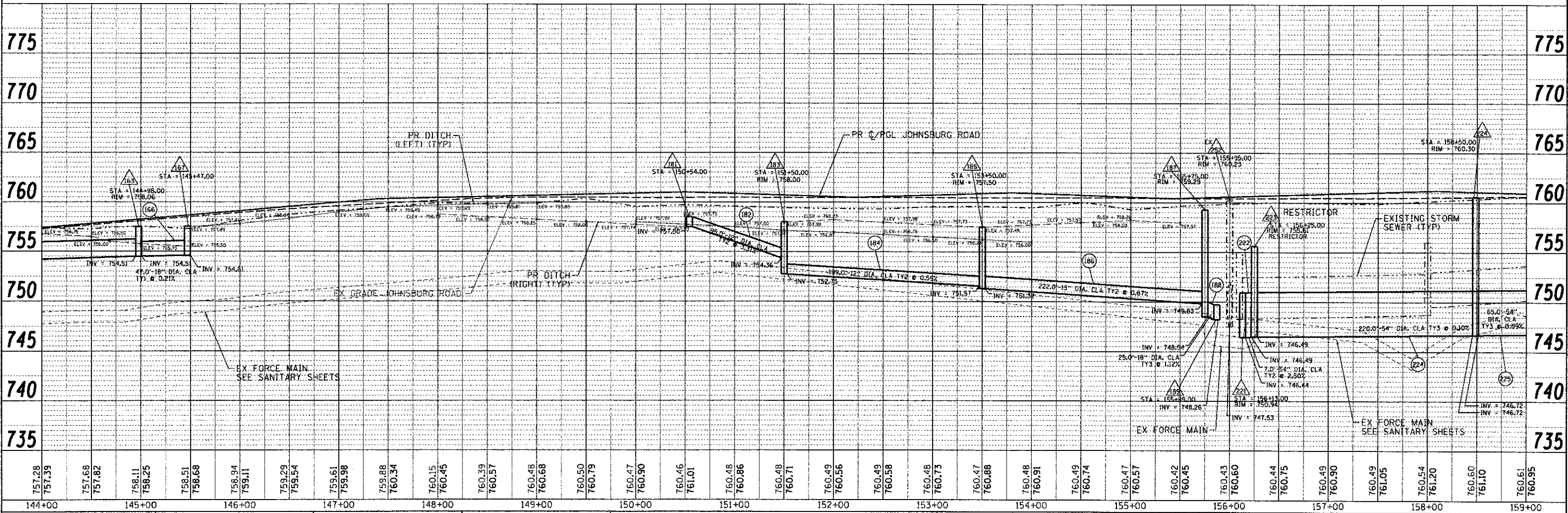
PROFILE	REVISIONS	DATE
NOTE BOOK	CHANGS CHECKED	
NO.	STRUCTURE NOTATION	

COMPANY NAME: HRGreen
 PROJECT CONTACT: Jettara
 CLIENT: MCHENRY COUNTY
 DATE PLOTTED: 12/19/2012 3:17 PM
 FILE NAME: 08622-00-04.dgn
 PLOT DRIVER: plot_driver.exe
 PLOT TABLE:



NOTE:
 STORM SEWER SHOWN IN DIFFERENT LINE STYLES FOR PARALLEL SYSTEMS PER IDOT STANDARD. WHEN THERE ARE PARALLEL SYSTEMS, THE DEFAULT DASH LINE IS USED FOR LEFT SYSTEM AND SOLID LINE IS USED FOR THE RIGHT SYSTEM. WHEN ONLY A SINGLE SYSTEM, DASH AND SOLID LINES ARE USED FOR LEFT AND RIGHT SYSTEMS RESPECTIVELY FOR CONSISTENCY.

SEE SHEET 47 FOR GRADING DETAILS



144+00	145+00	146+00	147+00	148+00	149+00	150+00	151+00	152+00	153+00	154+00	155+00	156+00	157+00	158+00	159+00																																														
757.28	757.39	757.68	757.82	758.11	758.25	758.51	758.68	758.94	759.11	759.29	759.54	759.61	759.98	759.88	760.34	760.15	760.45	760.39	760.57	760.48	760.68	760.50	760.79	760.47	760.90	760.46	761.01	760.48	760.86	760.48	760.71	760.49	760.56	760.49	760.58	760.48	760.73	760.47	760.88	760.48	760.91	760.49	760.74	760.47	760.57	760.42	760.45	760.43	760.60	760.44	760.75	760.49	760.90	760.49	761.05	760.54	761.20	760.60	761.10	760.61	760.95

MCHENRY COUNTY
DIVISION OF TRANSPORTATION

DRAINAGE AND UTILITY PLAN
JOHNSBURG ROAD

HRGreen.com
 1818 Professional Design Firm
 #181-001322

USER NAME = jettara
 FILE NAME = 08622-00-04.dgn
 PLOT SCALE = 1" = 50'
 PLOT DATE = 12/19/2012

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

REVISED -
 REVISED -
 REVISED -
 REVISED -

SCALE: 1" = 50' SHEET NO. 4 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	53
CONTRACT NO. 63515			ILLINOIS FED. AID PROJECT	

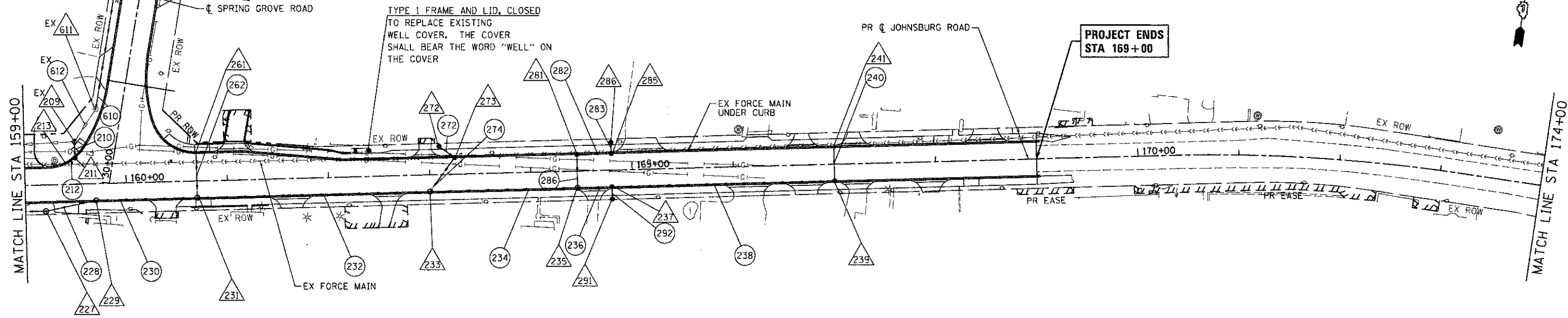
PLAN	REVISIONS	DATE
NOTE BOOK	ALIGNED	
	CHECKED	
	NO. _____	
	ADD FILE NAME	

PROFILE	REVISIONS	DATE
NOTE BOOK	GRADES CHECKED	
	NO. _____	
	ADD FILE NAME	

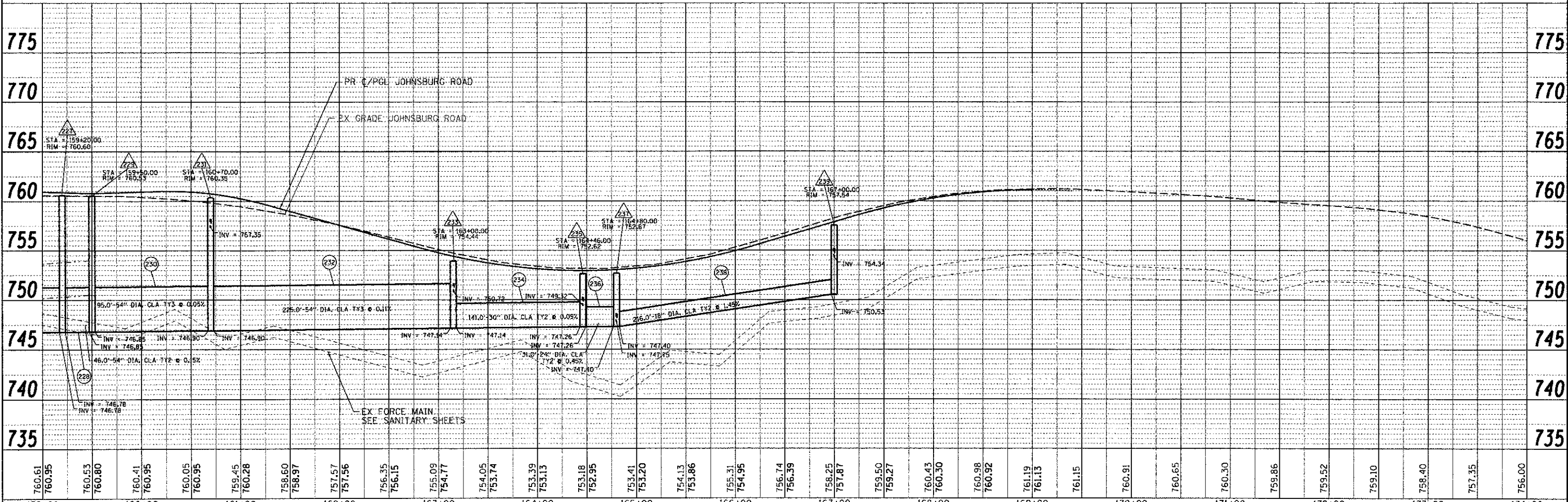
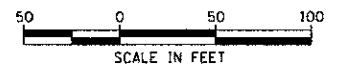
12/19/2012 3:12:27 PM
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 pdf_dwg_no_level.dwt
 JRM

SEE SPRING GROVE ROAD DRAINAGE PLAN AND PROFILE

NOTE:
 STRUCTURE 286 COLLECTS
 EX OFFSITE DRAINAGE



NOTE:
 STORM SEWER SHOWN IN DIFFERENT LINE STYLES FOR PARALLEL SYSTEMS PER IDOT STANDARD. WHEN THERE ARE PARALLEL SYSTEMS, THE DEFAULT DASH LINE IS USED FOR LEFT SYSTEM AND SOLID LINE IS USED FOR THE RIGHT SYSTEM. WHEN ONLY A SINGLE SYSTEM, DASH AND SOLID LINES ARE USED FOR LEFT AND RIGHT SYSTEMS RESPECTIVELY FOR CONSISTENCY.



760.61	760.95	760.53	760.80	760.41	760.95	760.05	760.95	759.45	760.28	758.60	758.97	757.57	757.56	756.35	756.15	755.09	754.77	754.05	753.74	753.39	753.13	753.18	752.95	753.41	753.20	754.13	753.86	755.31	754.95	756.74	756.39	758.25	757.87	759.50	759.27	760.43	760.30	760.98	760.92	761.19	761.13	761.15	760.91	760.65	760.30	759.86	759.52	759.10	758.40	757.35	756.00					
159+00	160+00	160+00	160+00	160+00	160+00	161+00	161+00	161+00	161+00	162+00	162+00	162+00	162+00	162+00	163+00	163+00	163+00	163+00	164+00	164+00	164+00	164+00	164+00	165+00	165+00	165+00	166+00	166+00	166+00	166+00	167+00	167+00	167+00	167+00	168+00	168+00	168+00	168+00	169+00	169+00	169+00	169+00	170+00	170+00	170+00	170+00	171+00	171+00	171+00	172+00	172+00	172+00	173+00	173+00	173+00	174+00

HRGreen.com
 Illinois Professional Design Firm
 #194-011322

USER NAME = jrm
 FILE NAME = 090622-dpp-05.dgn
 PLOT SCALE = 1" = 50'
 PLOT DATE = 12/19/2012

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

REVISED -
 REVISED -
 REVISED -
 REVISED -

MCHENRY COUNTY
 DIVISION OF TRANSPORTATION

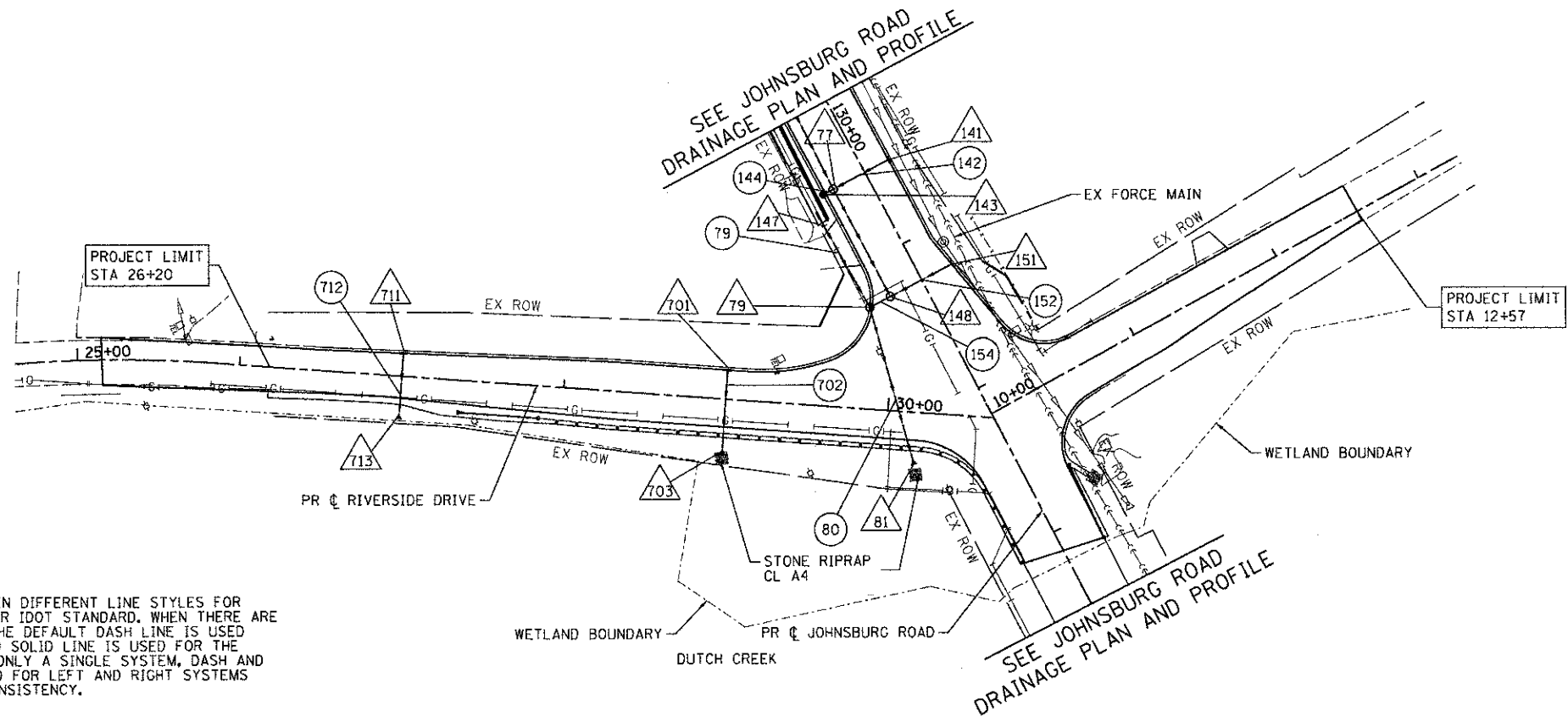
DRAINAGE AND UTILITY PLAN
 JOHNSBURG ROAD
 SCALE: 1" = 50' SHEET NO. 5 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	54
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		CONTRACT NO. 63515

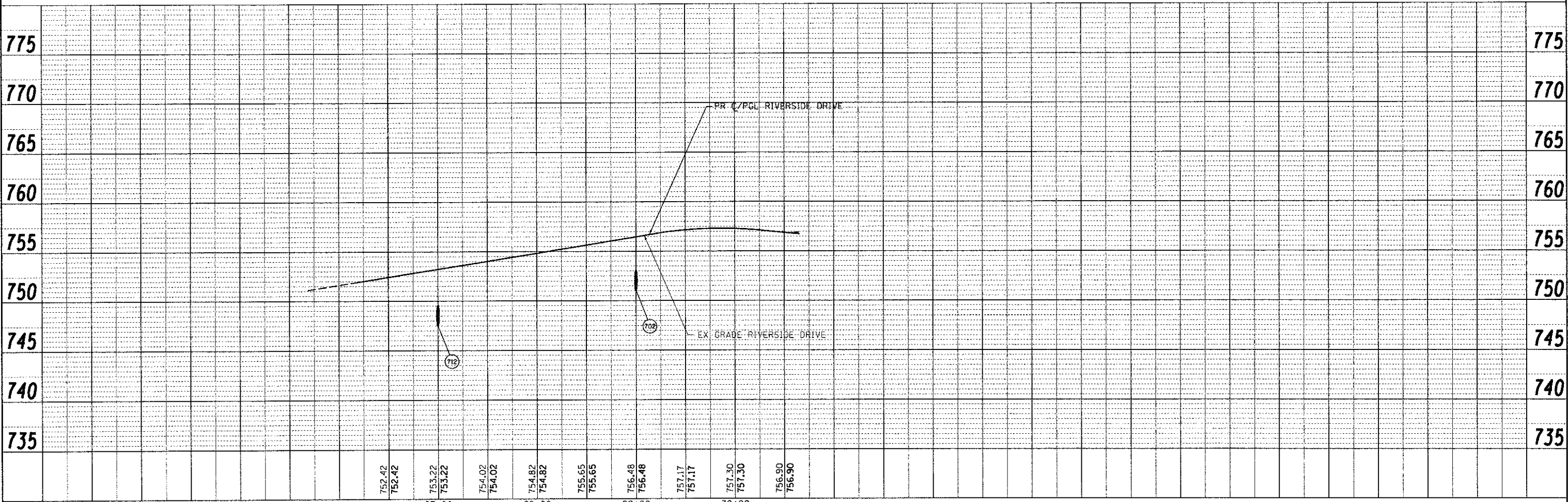
DATE	
BY	
REVIEWED	
ALIGNMENT CHECKED	
BY	
NOTE BOOK	
NO.	
DATE	
FILE NAME	

DATE	
BY	
REVIEWED	
ALIGNMENT CHECKED	
BY	
NOTE BOOK	
NO.	
DATE	
FILE NAME	

12/19/2012 2:26:35 PM
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 pdf.dwg no_level.dwg
 standard-tr-cons.tbl



NOTE:
 STORM SEWER SHOWN IN DIFFERENT LINE STYLES FOR PARALLEL SYSTEMS PER IDOT STANDARD. WHEN THERE ARE PARALLEL SYSTEMS, THE DEFAULT DASH LINE IS USED FOR LEFT SYSTEM AND SOLID LINE IS USED FOR THE RIGHT SYSTEM. WHEN ONLY A SINGLE SYSTEM, DASH AND SOLID LINES ARE USED FOR LEFT AND RIGHT SYSTEMS RESPECTIVELY FOR CONSISTENCY.



COMPANY NAME: HRGreen.com
 PROJECT CONTACT: HRGreen.com
 CLIENT: HRGreen.com
 FILE NAME: 08622-dpp-07.dgn
 PLOT DRIVER: pdf.dwg no_level.dwg
 PEN TABLE: standard-tr-cons.tbl

USER NAME = jattana	DESIGNED - JRM	REVISED -
FILE NAME = 08622-dpp-07.dgn	DRAWN - JPA	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - TH	REVISED -
PLOT DATE = 12/19/2012	DATE - 12/19/12	REVISED -

MCHENRY COUNTY
DIVISION OF TRANSPORTATION

DRAINAGE AND UTILITY PLAN
RIVERSIDE DRIVE
 SCALE: 1" = 50' SHEET NO. 6 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	55
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 63515		

DRAINAGE STRUCTURE SCHEDULE

STRUCTURE NUMBER	STATION	OFFSET (FT)	STRUCTURE TYPE					DIA. (FT.)	FRAME & GRATE	INVERTS							RESTRICTOR ELEVATION	RESTRICTOR ELEVATION	TOP PLATE ELEVATION	RIM ELEVATION
			MH TYPE A	CB TYPE A	INL TYPE A	CB TYPE C	FES			NORTH	NORTHWEST	WEST	SOUTHWEST	SOUTH	SOUTHEAST	EAST				
JOHNSBURG ROAD																				
																	2-YR	100-YR		
1	102+50.00	-37.0		1				6	T8											817.23
3	103+50.00	-37.0		1				6	T8			809.19								813.40
5	104+00.00	-20.5			1			2	T11	809.15										814.92
7	104+00.00	-40.0		1				6	T8			808.62		809.00						811.50
8	104+26.82	-38.8		1				6	T11			808.58								813.31
9	104+64.00	-37.0	1					6	T1CL			808.52				808.52	808.52-4"	809.60-6"	811.56	813.50
11	104+80.00	-37.0					1	4X2	GRATE			808.50								
13	106+33.37	-16.5			1			2	T11	804.60										810.02
15	106+50.00	-37.0		1				4	T8				804.50							807.46
17	107+51.70	-27.6			1			2	T11	804.18										808.20
19	107+56.97	-36.9		1				5	T8			800.43		804.08						807.08
21	109+57.00	-34.0	1					5	T1CL			799.51		798.80						805.60
23	110+81.72	-24.5			1			2	T9	793.10										799.28
25	110+93.00	-35.0		1				5	T8			792.00		793.00						796.50
27	112+10.00	-43.0		1				5	T8			782.90								790.00
29	112+55.00	-45.7	1					6	T1CL			782.50								788.50
31	113+00.00	-53.0					1-30"	2.5	GRATE			782.41								
32	119+00.00	-24.4	1					4	T1CL			788.00		791.90						795.66
33	117+50.00	-24.4	1					4	T1CL			786.59		786.59						790.74
34	116+00.00	-24.4	1					4	T1CL			781.50		784.28						788.43
35	115+08.00	-24.5	1					4	T1CL				780.40							788.31
41	107+09.75	31.0					1	1												806.18
43	108+25.00	31.0		1				4	T8			801.50						801.50		805.50
47	109+50.00	-24.5		1				4	T9				798.90							803.23
51	115+00.00	-47.5					1	3						777.21						
53	115+00.00	54.7					1	3		776.77										
54	115+00.00	-16.5	1					5	T1	777.10				776.79						788.22
55	116+00.00	-16.5		1				4	T9	784.38										788.28
56	117+50.00	-16.5		1				4	T9	786.69										790.59
57	119+00.00	-16.5		1				4	T9	792.00										795.51
58	120+50.00	-16.5		1				4	T9			789.47								799.78
61	123+50.00	-16.5			1			2	T9					797.38						800.38
63	123+50.00	16.5		1				4	T9	797.18				797.18						800.38
65	123+50.00	30.0	1					4	T1CL	797.08										802.77
67	125+00.00	30.0	1					4	T1CL	793.17		795.39								799.11
69	126+50.00	30.0	1					4	T1CL	786.75		788.99								792.80
71	127+50.00	29.5	1					4	T1CL	781.13		783.04								786.96
73	128+75.00	33.0	1					4	T1CL	773.48		775.00							768.97	778.50
75	129+50.00	24.8		1				4	T11	768.53										771.80
77	130+50.00	22.0	1					4	T1CL	762.07		759.37		762.13						765.51
79	131+25.00	36.1	1					4	T11	756.90		754.59			752.79					760.68
81	132+22.30	56.8					1	1.5				751.00								
91	125+00.00	-16.5			1			2	T9					793.45						796.72
93	125+00.00	16.5		1				4	T9	793.27				793.27						796.72
101	126+50.00	-16.5			1			2	T9					787.15						790.42
103	126+50.00	16.5		1				4	T9	786.95				786.85						790.42
111	127+50.00	-16.5			1			2	T9					781.48						784.75
113	127+50.00	16.5		1				4	T9	781.33				781.23						784.75
121	128+75.00	-16.5			1			2	T9					773.78						776.78
123	128+75.00	20.6		1				4	T9	773.58				773.58						776.70
131	129+50.00	-16.5			1			2	T11					768.73						772.00
133	129+50.00	19.3	1					5	T1CL	768.43			767.33	768.48		762.35				771.94
141	130+50.00	-16.5			1			2	T11					762.32						765.62
143	130+50.00	27.5		1				4	T11	762.23										765.37
147	130+60.00	38.3			1			2	T10L			756.47								761.50
148	131+25.00	21.8	1					6	T1CL	757.83		756.59		757.00						760.93
151	131+25.00	-20.8			1			2	T11					758.00						761.00

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 HRGreen.com
 #1000 Professional Design Firm
 #194-001522

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PLOT DATE = 12/19/2012	DATE - 12/19/12	REVISED -

MCHENRY COUNTY
DIVISION OF TRANSPORTATION

DRAINAGE SCHEDULE OF QUANTITIES
JOHNSBURG ROAD

SCALE: N.T.S. SHEET NO. 1 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	57
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 63515		

DRAINAGE STRUCTURE SCHEDULE (CONTD.)

STRUCTURE NUMBER	STATION	OFFSET (FT)	STRUCTURE TYPE					DIA. (FT.)	FRAME & GRATE	INVERTS							RESTRICTOR ELEVATION	RESTRICTOR ELEVATION	TOP PLATE ELEVATION	RIM ELEVATION					
			MH TYPE A	CB TYPE A	INL TYPE A	CB TYPE C	FES			NORTH	NORTHWEST	WEST	SOUTHWEST	SOUTH	SOUTHEAST	EAST					NORTHEAST				
JOHNSBURG ROAD																		2-YR		100-YR					
161	143+00.00	-33.0						1	1.75								753.75								
163	144+98.00	-48.2	1						6	TICL	754.54				754.51		754.51				758.06				
165	145+00.00	-38.5			1				2	T11	754.60										757.53				
167	145+47.00	-38.0		1					4	T8				754.61							757.50				
181	150+54.00	37.0						1	1												757.50				
183	151+50.00	37.0		1					4	T8				754.36							757.88				
185	153+50.00	37.0		1					4	T8				751.57							757.49				
187	155+75.00	37.0	1						4	TICL				749.83		748.54					759.29				
189	155+89.00	60.4						1	1.5	GRATE			748.26												
191	154+43.00	-40.0						1	1												755.75				
193	154+82.00	-40.0						1	1					755.54											
211	159+50	-26.1		1					4	T11	754.37			754.37								760.31			
213	159+40	-20.6			1				2	T11											754.62	760.37			
221	156+25.00	44.5						1	4.5	GRATE											745.52				
223	156+25.00	32.0	1						7	TICL					745.70						746.49	746.60-4"	748.58-6"	750.60	755.61
224	158+50.00	25.2	1						7	TICL				746.72							746.72			760.30	
225	155+42.00	16.5			1				2	T11											757.18			759.85	
227	159+20.00	26.0	1						8	TICL				746.78							746.78			760.60	
229	159+70.00	16.5	1						8	T11				746.85							746.85			760.53	
231	160+70.00	16.5	1						6	T11*	757.25			746.90							746.90			760.35	
WELL	162+40.00	-25.8								TICL															
233	163+00.00	16.5	1						7	T11	750.72			747.14							747.14				754.44
235	164+46.00	16.5	1						4	T1	749.32			747.26							747.26				752.62
237	164+80.00	16.5		1					5	T11				747.40		747.75					747.40				752.67
239	167+00.00	16.5		1					4	T11	754.07			750.53											757.54
241	167+00.00	-16.5			1				2	T11						754.27									757.54
EX 252	155+95.00	16.5	1						6	TICL	EX 747.63			757.00		EX 747.53					748.01				760.23
261	160+70.00	-27.5			1				2	T11*						757.45									760.21
272	163+10.00	-28.0				1			2	T8						751.02									753.43
273	163+25.00	-16.5		1					4	T11			750.92		750.92										753.92
281	164+46.00	-16.5		1					4	T11					749.52						749.52				752.62
285	164+80.00	-16.5		1					4	T11	749.67			749.67											752.67
286	164+80.00	-27.5				1			2	T8					749.77										751.67
291	164+80.00	28.0			1				2	T8	747.85														752.20
EXIST	143+80.72	-37.5							1.75	COLLAR				754.02											754.17

* T11 (WITHOUT CURB BOX - NEENAH R-3246-1)

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 PROJECT CONTACT: Jettene
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**MCHENRY COUNTY
 DIVISION OF TRANSPORTATION**

**DRAINAGE SCHEDULE OF QUANTITIES
 JOHNSBURG ROAD**

SCALE: N.T.S. SHEET NO. 2 OF 4 SHEETS STA. TO STA.

F.A.U. RTE. 168	SECTION 05-00314-00-WR	COUNTY MCHENRY	TOTAL SHEETS 187	SHEET NO. 58
CONTRACT NO. 63515			ILLINOIS FED. AID PROJECT	

DRAINAGE STRUCTURE SCHEDULE (CONTD.)

STRUCTURE NUMBER	STATION	OFFSET (FT)	STRUCTURE TYPE					DIA. (FT.)	FRAME & GRATE	INVERTS								RESTRICTOR ELEVATION	TOP PLATE ELEVATION	RIM ELEVATION		
			MH TYPE A	CB TYPE A	INL TYPE A	CB TYPE C	FES			NORTH	NORTHWEST	WEST	SOUTHWEST	SOUTH	SOUTHEAST	EAST	NORTHEAST					
SPRING GROVE ROAD																						
601	35+00.00	15.3			1			2	T11			763.33								767.91		
603	35+00.00	-15.5		1				4	T11			763.13				763.13				768.13		
605	35+00.00	-25.0	1					4	T1CL					762.07		763.05				769.10		
607	33+00.00	-25.0	1					4	T1CL	759.25				759.19		759.82				762.56		
609	32+00.00	-25.0	1					6	T1CL	758.38				754.19			754.19				761.46	
EX 611	30+70.00	-25.0	1					6	T1	753.87			EX 752.86								EX 760.41	
621	33+00.00	16.5			1			2	T11			760.12									763.64	
623	33+00.00	-16.5		1				4	T11			759.92				759.92					763.64	
625	35+10.00	19.6		1				5	T8	MATCH EX				761.00							768.03	
631	32+40.00	21.6		1				5	T8	758.24			755.19									762.53

STRUCTURE NUMBER	STATION	OFFSET (FT)	STRUCTURE TYPE					DIA. (FT.)	FRAME & GRATE	INVERTS								RESTRICTOR ELEVATION	TOP PLATE ELEVATION	RIM ELEVATION		
			MH TYPE A	CB TYPE A	INL TYPE A	CB TYPE C	FES			NORTH	NORTHWEST	WEST	SOUTHWEST	SOUTH	SOUTHEAST	EAST	NORTHEAST					
RIVERSIDE DRIVE																						
701	29+00.00	-18.0			1			2	T11						751.56							756.12
703	29+00.00	42.0					1	1				751.29										
711	27+00.00	-14.3			1			2	T11						749.59							752.93
713	27+00.00	26.7					1	1				749.36										

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 PROJECT CONTACT: HRGreen.com
 CLIENT: Illinois Professional Design Firm
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PLOT DATE = 12/19/2012	DATE - 12/19/12	REVISED -

**MCHENRY COUNTY
DIVISION OF TRANSPORTATION**

**DRAINAGE SCHEDULE OF QUANTITIES
JOHNSBURG ROAD**

SCALE: N.T.S. SHEET NO. 3 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	59
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63515	

STORM SEWER SCHEDULE

PIPE NO.	FROM STRUCT.	TO STRUCT.	STORM SEWER, CLASS A											4' X 2' BOX	2' X 2' BOX	TYPE	SLOPE (%)
			12"	15"	18"	24"	27"	30"	36"	42"	48"	54"					
JOHNSBURG ROAD																	
2	1	3													95		0.11%
4	3	7													45		0.22%
6	5	7	17														2 0.88%
7	7	8													22		0.17%
8	8	9													37		0.27%
10	9	11													9		0.22%
11	END SECTION	END SECTION													65		0.37%
14	13	15	21														2 0.48%
16	15	19			104												2 0.38%
18	17	19	8														1 1.25%
20	19	21			196												2 0.47%
22	21	25			132												2 1.60%
24	23	25	13														2 0.77%
26	25	27				113											2 0.25%
28	27	29					41										2 0.24%
30	29	31					39										2 0.23%
42	41	43	114														2 4.11%
44	43	47	135														2 1.93%
48	47	21	6														2 1.67%
52	51	54					27										3 0.41%
53	54	53					68										3 0.03%
54	34	35			89												2 1.24%
55	33	34			147												1 1.57%
56	32	33			147												2 0.96%
57	58	32			147												2 1.00%
58	35	54	8														2 2.50%
59	55	34	4														2 2.50%
60	56	33	4														2 2.50%
61	57	32	4														1 2.50%
62	61	63	34														1 0.59%
64	65	63	9														2 1.11%
66	65	67	147														2 0.71%
68	67	69	147														2 1.42%
70	69	71	97														2 2.58%
72	71	73		122													2 2.87%
74	73	133		73													2 2.25%
79	147	79	62														2 3.13%
80	79	81			97												2 1.85%
92	91	93	34														1 0.53%
94	93	67	9														1 1.11%
102	101	103	34														1 0.59%
104	103	69	9														1 1.11%
112	111	113	34														1 0.44%
114	113	71	9														1 1.11%
122	121	123	37														1 0.54%
124	123	73	9														1 1.11%
132	131	133	34														1 0.88%
134	75	133	2														1 2.50%
135	133	77			97												2 3.07%
142	141	77	37														1 0.68%
144	143	77	4														1 2.50%
145	77	148			71												2 1.38%
152	151	148	40														1 0.42%
154	148	79	10														1 1.00%
162	163	161					191										1 0.40%

PIPE NO.	FROM STRUCT.	TO STRUCT.	STORM SEWER, CLASS A											4' X 2' BOX	2' X 2' BOX	TYPE	SLOPE (%)
			12"	15"	18"	24"	27"	30"	36"	42"	48"	54"					
164	165	163	7														1 1.29%
166	167	163			47												1 0.21%
182	181	183	95														1 3.31%
184	183	185	199														2 0.59%
186	185	187		222													2 0.67%
188	187	189			25												3 1.12%
192	191	193	36														1 0.58%
210	211	209	12														2 2.08%
212	213	211	9														2 2.78%
222	223	221										6					3 3.00%
224	224	223										220					3 0.10%
225	227	224										65					3 0.09%
226	225	252	51														1 0.35%
228	229	227											46				3 0.15%
230	231	229											95				3 0.05%
232	233	231											225				3 0.11%
234	235	233										141					2 0.09%
236	237	235					31										2 0.45%
238	239	237			216												2 1.45%
240	241	239	31														1 0.65%
262	261	231	41														1 0.49%
272	272	273	17														1 0.59%
274	273	233	39														1 0.51%
282	285	281	31														1 0.48%
283	286	285	9														1 1.11%
286	281	235	30														1 0.67%
292	291	237	10														2 1.00%

PIPE NO.	FROM STRUCT.	TO STRUCT.	STORM SEWER, CLASS A											4' X 2' BOX	2' X 2' BOX	TYPE	SLOPE (%)
			12"	15"	18"	24"	27"	30"	36"	42"	48"	54"					
SPRING GROVE ROAD																	
602	601	603	29														2 0.69%
604	603	605	7														2 1.14%
606	605	607	197														2 1.43%
608	607	609	96														1 0.84%
610	609	611										125					2 0.26%
616	625	631										266					2 1.04%
622	621	623	31														1 0.65%
624	623	607	7														1 1.43%
632	631	609											59				2 1.75%

RIVERSIDE DRIVE																	
PIPE NO.	FROM STRUCT.	TO STRUCT.	12"	15"	18"	24"	27"	30"	36"	42"	48"	54"	4' X 2' BOX	2' X 2' BOX	TYPE	SLOPE (%)	
702	701	703	46												2	0.79%	
712	711	713	35												1	0.61%	

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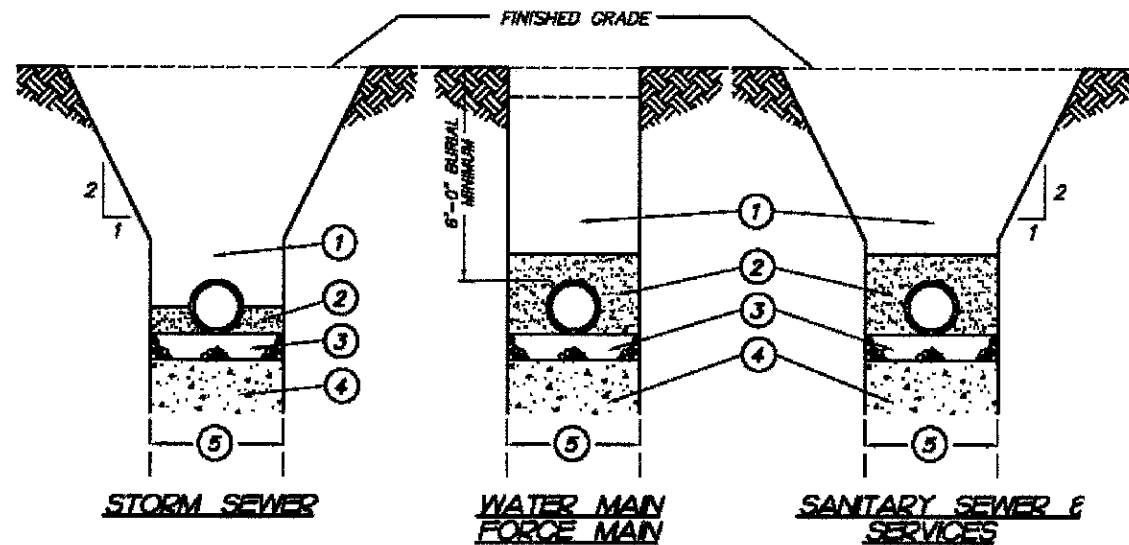
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**MCHENRY COUNTY
 DIVISION OF TRANSPORTATION**

**DRAINAGE SCHEDULE OF QUANTITIES
 JOHNSBURG ROAD**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	60
CONTRACT NO.			63515	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



① Trench backfill under pavement, curb and gutter shall be compacted granular material, CA-6 and within 2 feet of any proposed curb and gutter or sidewalk. Mechanically compacted backfill of excavated materials in other locations if approved by the Village Engineer. Refer to trench backfill special provisions for compaction requirements.

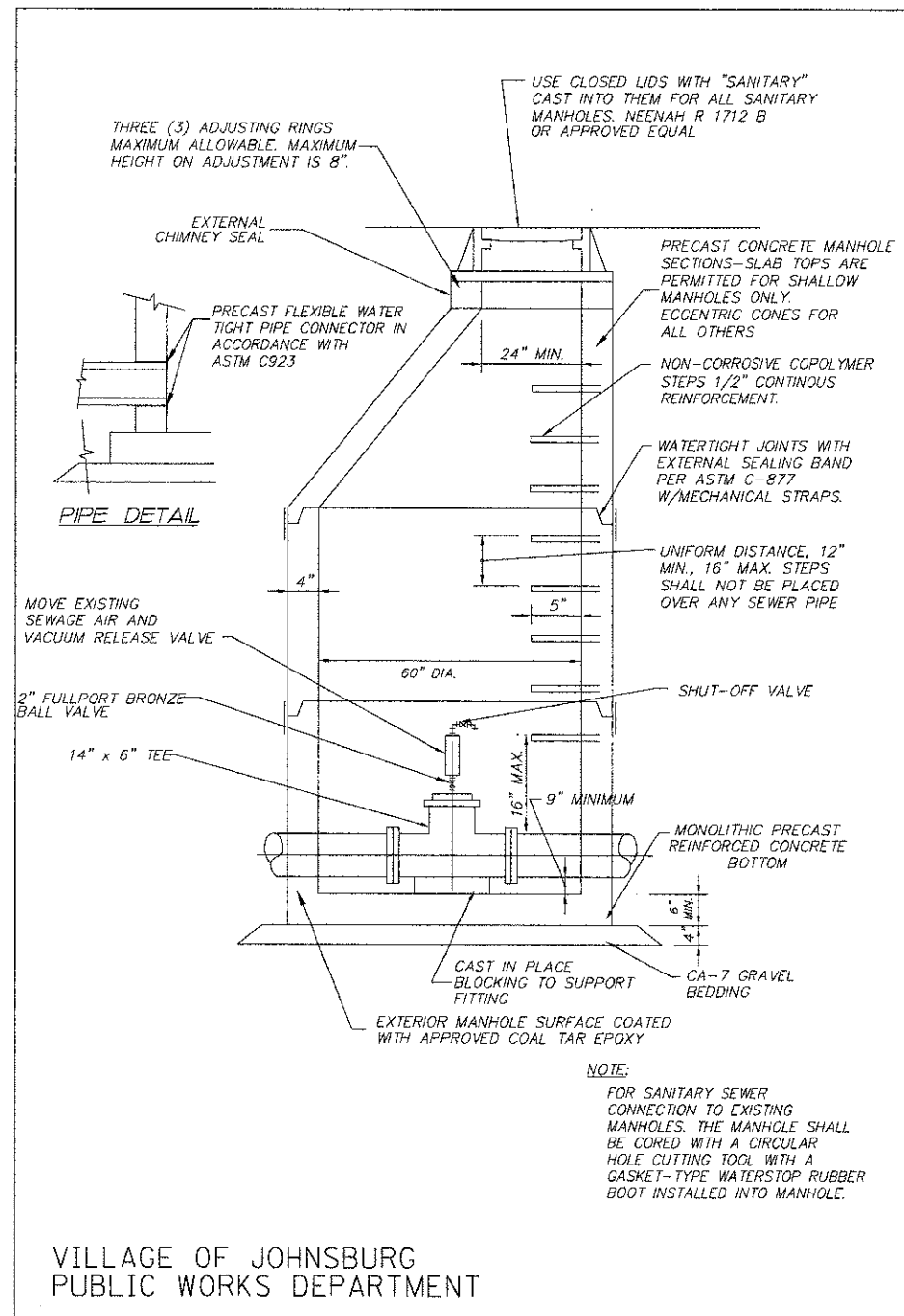
- ② SANITARY SEWER, (ESVCP, DIP) WATER MAIN, FORCE MAIN
COMPACTED GRANULAR MATERIAL CA-8 TO 4" ABOVE TOP OF PIPE.
- ② SANITARY SEWER, (PVC)
COMPACTED GRANULAR MATERIAL CA-6 TO 12" ABOVE TOP OF PIPE.(ALSO SEE NOTE #1 BELOW)
- ② STORM SEWER
COMPACTED GRANULAR MATERIAL CA-6 TO SPRING LINE OF PIPE.
- ③ 4" COMPACTED GRANULAR BEDDING, CA-6 GRADATION.
- ④ UNSUITABLE MATERIAL TO BE REMOVED WHERE DIRECTED BY ENGINEER AND REPLACED WITH SUITABLE MATERIAL AND COMPACTED.
- ⑤ TRENCH WIDTH- PIPE O.D. +12" MINIMUM
PIPE O.D. + 18" MAXIMUM

NOTES

1. PVC PIPE CONFORMING TO THE SDR SPECIFIED IN THE PLANS SHALL BE INSTALLED TO THE LATEST REVISED SPECIFICATION REQUIREMENTS OF THE ASTM D-2321 USING EITHER COMPACTED CLASS I OR CLASS II GRANULAR MATERIALS FOR BEDDING, HAUNCHING AND INITIAL BACKFILL OF 12 INCHES OVER THE TOP OF PIPE TO PROVIDE THE NECESSARY SUPPORT FOR THE PIPE SO THAT THE MAXIMUM DEFLECTION DOES NOT EXCEED 5% OF THE PIPE'S ORIGINAL INTERNAL DIAMETER.

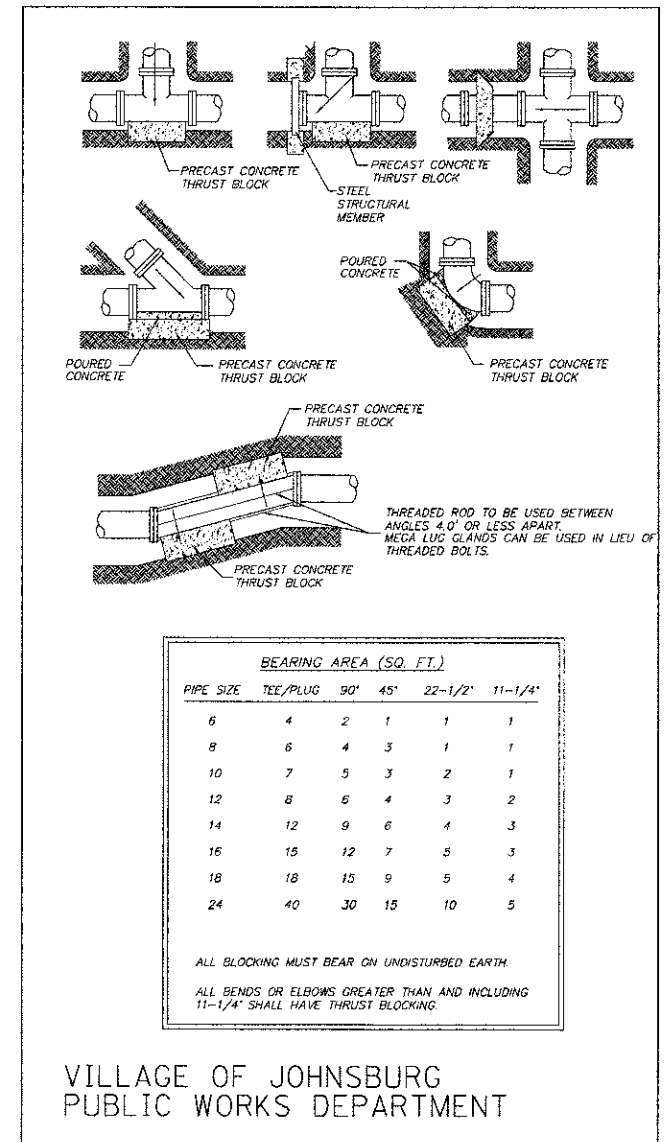
2. ALL CA-6 TO BE IDOT APPROVED OR MEET IDOT SPECIFICATIONS.

VILLAGE OF JOHNSBURG
PUBLIC WORKS DEPARTMENT



VILLAGE OF JOHNSBURG
PUBLIC WORKS DEPARTMENT

AIR RELEASE /MANHOLE DETAIL



PIPE SIZE	BEARING AREA (SQ. FT.)				
	TEE/PLUG	90°	45°	22-1/2°	11-1/4°
6	4	2	1	1	1
8	6	4	3	1	1
10	7	5	3	2	1
12	8	6	4	3	2
14	12	9	6	4	3
16	15	12	7	5	3
18	18	15	9	5	4
24	40	30	15	10	5

ALL BLOCKING MUST BEAR ON UNDISTURBED EARTH.
ALL BENDS OR ELBOWS GREATER THAN AND INCLUDING 11-1/4° SHALL HAVE THRUST BLOCKING.

VILLAGE OF JOHNSBURG
PUBLIC WORKS DEPARTMENT

THRUST BLOCK INSTALLATION DETAIL

12/19/2012 3:51:50 PM
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standard-trans.tbl



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PLOT DATE = 12/19/2012	DATE - 12/19/12	REVISED -

**MCHENRY COUNTY
DIVISION OF TRANSPORTATION**

**SANITARY SEWER PLAN
SANITARY TRENCH BACKFILL AND AIR RELEASE MANHOLE DETAIL**

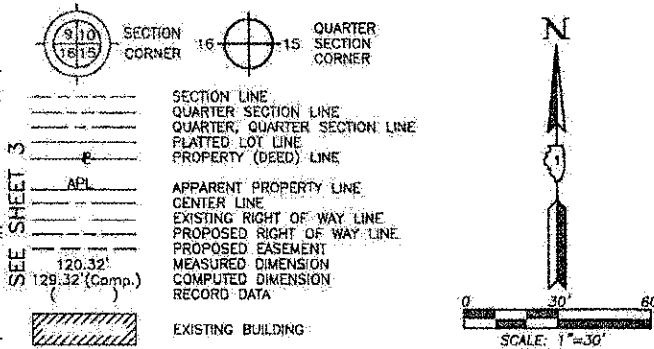
SCALE: N.T.S. SHEET NO. 2 OF 3 SHEETS STA. TO STA.

F.A.U. RTE. 168	SECTION 05-00314-00-WR	COUNTY MCHENRY	TOTAL SHEETS 187	SHEET NO. 62
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 63515

Point Number	Tie to point	Tie Distance (feet)
1	T1	36.14
	T2	27.31
	T3	32.98

LEGEND



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

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

STATE OF ILLINOIS }
COUNTY OF LAKE }
THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 14, TOWNSHIP 45N., RANGE 8E. OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY; THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS. DATED AT LAKE VILLA, ILLINOIS THIS _____ DAY OF _____ 20____ A.D.

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

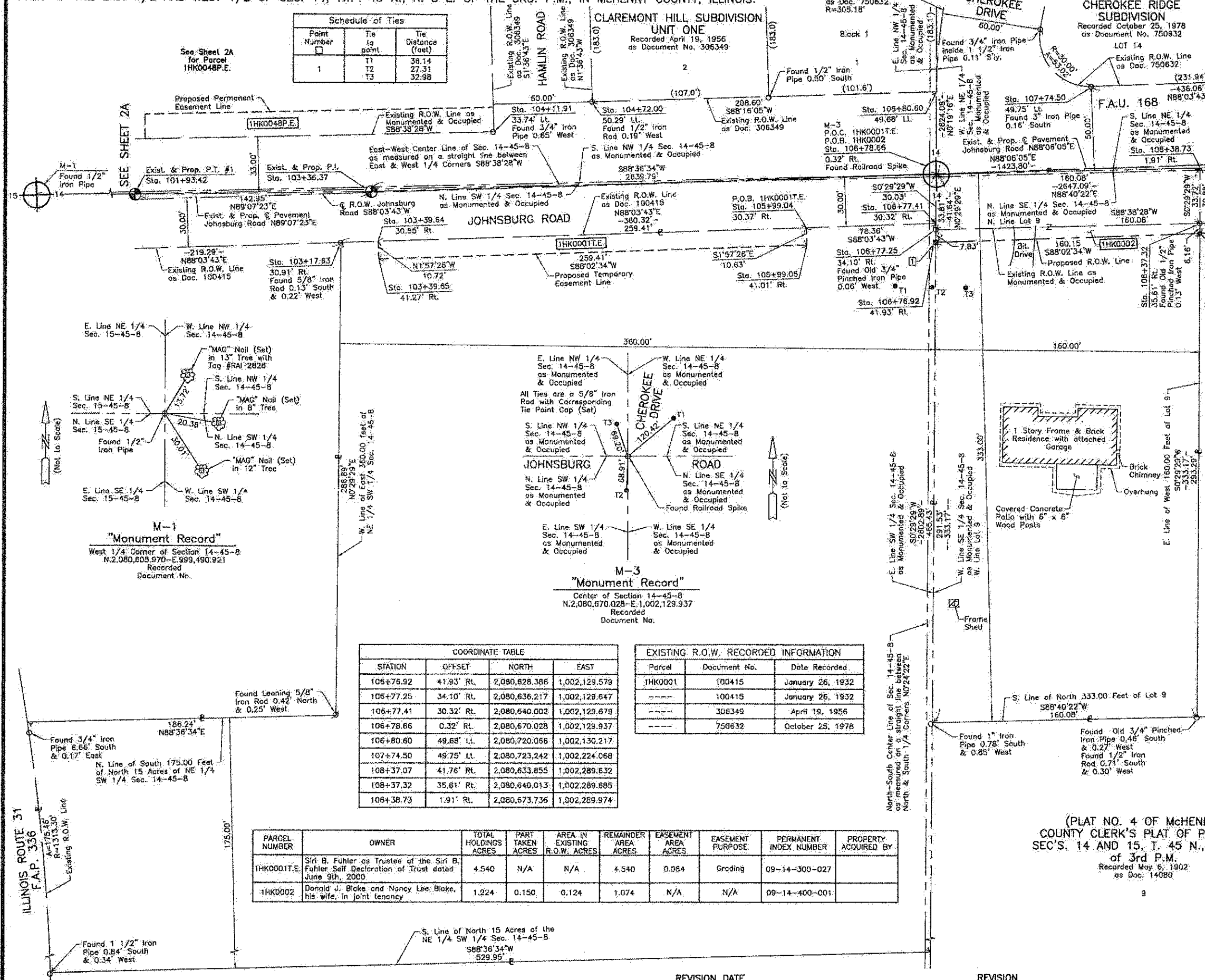
STATION	OFFSET	NORTH	EAST
103+17.63	39.91' RL	2,080,827.816	1,001,789.961
103+39.64	30.55' RL	2,080,628.578	1,001,792.102
103+39.65	41.27' RL	2,080,617.866	1,001,792.468
104+11.91	33.74' LL	2,080,695.228	1,001,862.210
104+72.00	50.29' LL	2,080,713.761	1,001,921.712
105+99.04	30.37' RL	2,080,637.352	1,002,051.381
105+99.05	41.01' RL	2,080,826.726	1,002,051.724

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

PLAT NO. 4 OF McHENRY)
COUNTY CLERK'S PLAT OF PART OF SEC'S. 14 AND 15, T. 45 N., R. 8 E. of 3rd P.M.
Recorded May 6, 1902 as Doc. 14080

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.U. 168 (JOHNSBURG ROAD)
SECTION 05-00314-00-WR McHENRY COUNTY
PROJECT JOB NO. R-91-005-06
STATION 101+93.42 TO STATION 109+00
SCALE: 1"=30'

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

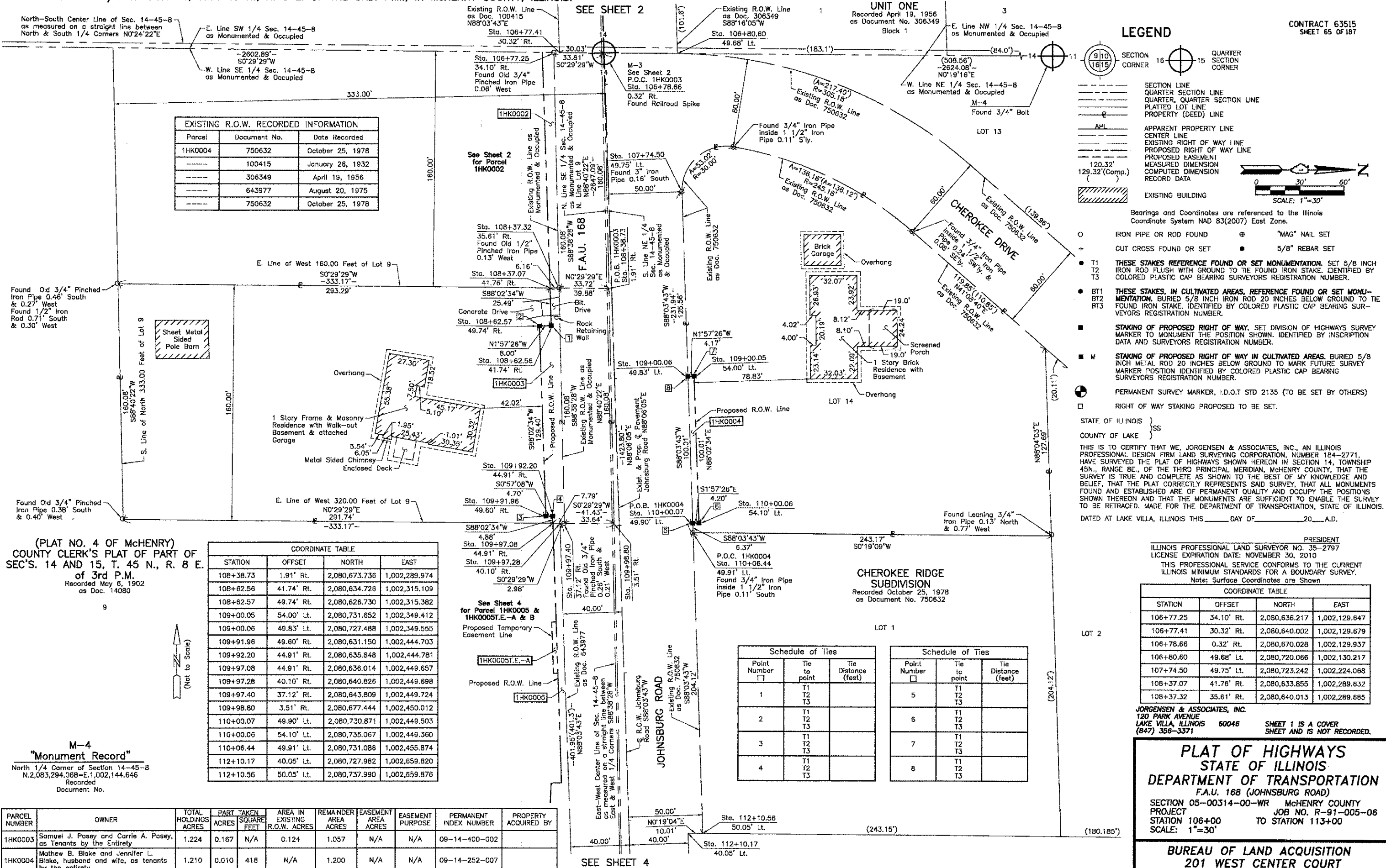


STATION	OFFSET	NORTH	EAST
106+76.92	41.93' RL	2,080,828.386	1,002,129.579
106+77.25	34.10' RL	2,080,636.217	1,002,129.647
106+77.41	30.32' RL	2,080,640.002	1,002,129.679
106+78.66	0.32' RL	2,080,670.028	1,002,129.937
106+80.60	49.68' LL	2,080,720.066	1,002,130.217
107+74.50	49.75' LL	2,080,723.242	1,002,224.068
108+37.07	41.76' RL	2,080,633.855	1,002,289.632
108+37.32	35.61' RL	2,080,640.013	1,002,289.685
108+38.73	1.91' RL	2,080,673.736	1,002,289.974

Parcel	Document No.	Date Recorded
JHK0001	100415	January 26, 1932
---	100415	January 26, 1932
---	306349	April 19, 1956
---	750632	October 25, 1978

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
JHK0001.E	Siri B. Fuhrer as Trustee of the Siri B. Fuhrer Self Declaration of Trust dated June 9th, 2000	4.540	N/A	N/A	4.540	0.064	Grading	09-14-300-027	
JHK0002	Donald J. Bieks and Nancy Lee Bieks, his wife, in joint tenancy	1.224	0.150	0.124	1.074	N/A	N/A	09-14-400-001	

COMPANY NAME:
PROJECT CONTACT:
CLIENT CONTACT:
FILE NAME:
PLOT NUMBER:
PEN TABLE:



EXISTING R.O.W. RECORDED INFORMATION

Parcel	Document No.	Date Recorded
1HK0004	750632	October 25, 1978
-----	100415	January 26, 1932
-----	306349	April 19, 1956
-----	643977	August 20, 1975
-----	750632	October 25, 1978

COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
108+38.73	1.91' Rt.	2,080,673.736	1,002,289.974
108+62.56	41.74' Rt.	2,080,634.728	1,002,315.109
108+62.57	49.74' Rt.	2,080,626.730	1,002,315.382
109+00.05	54.00' Lt.	2,080,731.652	1,002,349.412
109+00.06	49.83' Lt.	2,080,727.488	1,002,349.555
109+91.96	49.60' Rt.	2,080,631.150	1,002,444.703
109+92.20	44.91' Rt.	2,080,635.848	1,002,444.781
109+97.08	44.91' Rt.	2,080,636.014	1,002,449.657
109+97.28	40.10' Rt.	2,080,640.826	1,002,449.898
109+97.40	37.12' Rt.	2,080,643.809	1,002,449.724
109+98.80	3.51' Rt.	2,080,677.444	1,002,450.012
110+00.07	49.90' Lt.	2,080,730.871	1,002,449.503
110+00.06	54.10' Lt.	2,080,735.067	1,002,449.360
110+06.44	49.91' Lt.	2,080,731.086	1,002,455.874
112+10.17	40.05' Lt.	2,080,727.982	1,002,659.820
112+10.56	50.05' Lt.	2,080,737.890	1,002,659.876

(PLAT NO. 4 OF McHENRY)
COUNTY CLERK'S PLAT OF PART OF
SEC'S. 14 AND 15, T. 45 N., R. 8 E.
of 3rd P.M.
Recorded May 6, 1902
as Doc. 14080

**M-4
"Monument Record"**
North 1/4 Corner of Section 14-45-8
N. 2,083,294.088 - E. 1,002,144.646
Recorded
Document No.

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN SQUARE FEET	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1HK0003	Samuel J. Posey and Carrie A. Posey, as Tenants by the Entirety	1.224	0.167	N/A	0.124	1.057	N/A	09-14-400-002	
1HK0004	Mathew B. Blake and Jennifer L. Blake, husband and wife, as tenants by the entirety	1.210	0.010	418	N/A	1.200	N/A	09-14-252-007	

LEGEND

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

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

STATE OF ILLINOIS }
COUNTY OF LAKE } SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 14, TOWNSHIP 45N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RE-TRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

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

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

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

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

**PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**
F.A.U. 168 (JOHNSBURG ROAD)
SECTION 05-00314-00-WR McHENRY COUNTY
PROJECT JOB NO. R-91-005-06
STATION 106+00 TO STATION 113+00
SCALE: 1"=30'

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

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

Schedule of Ties

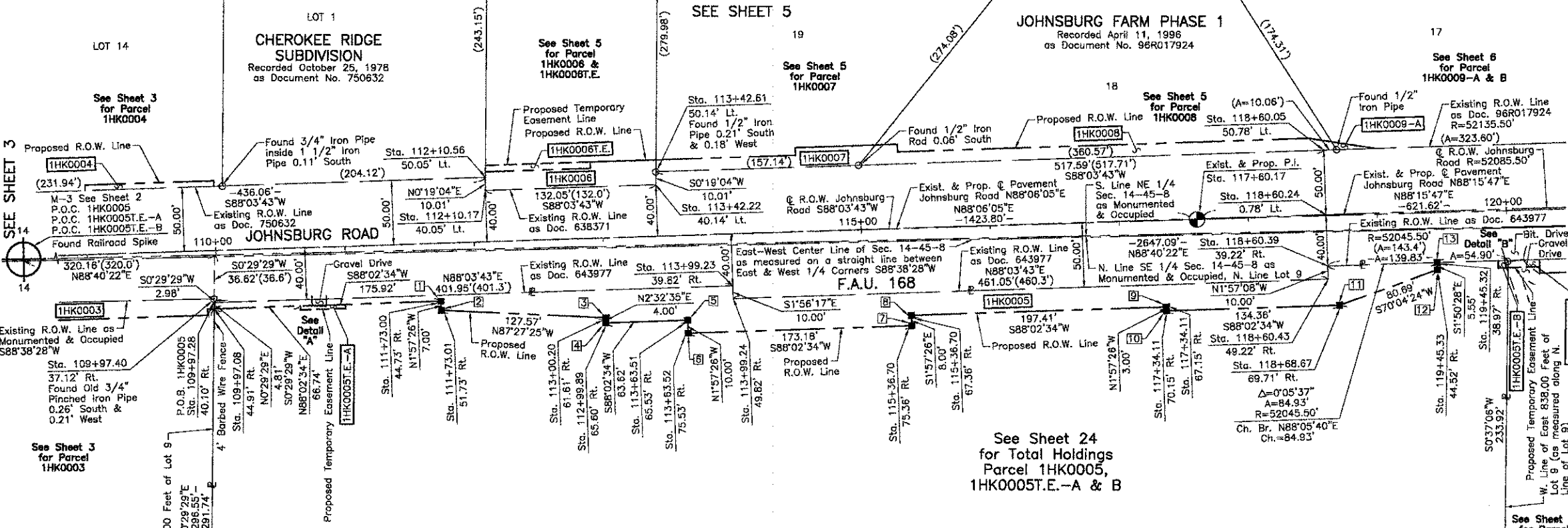
Point Number	Tie to point	Tie Distance (feet)
1	T1 T2 T3	
2	T1 T2 T3	
3	T1 T2 T3	
4	T1 T2 T3	

Schedule of Ties

Point Number	Tie to point	Tie Distance (feet)
5	T1 T2 T3	
6	T1 T2 T3	
7	T1 T2 T3	
8	T1 T2 T3	

COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
106+77.25	34.10' Rt.	2,080,636.217	1,002,129.647
106+77.41	30.32' Rt.	2,080,640.002	1,002,129.679
106+78.66	0.32' Rt.	2,080,670.028	1,002,129.937
106+80.60	49.68' Lt.	2,080,720.066	1,002,130.217
107+74.50	49.75' Lt.	2,080,723.242	1,002,224.068
108+37.07	41.78' Rt.	2,080,633.855	1,002,289.632
108+37.32	35.61' Rt.	2,080,640.013	1,002,289.685



LEGEND

SECTION CORNER 16 QUARTER SECTION CORNER 15

SECTION LINE
QUARTER SECTION LINE
QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE

APL
APPARENT PROPERTY LINE
CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
MEASURED DIMENSION
COMPUTED DIMENSION
RECORD DATA

EXISTING BUILDING

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

○ IRON PIPE OR ROD FOUND ⊕ "MAG" NAIL SET
+ CUT CROSS FOUND OR SET ● 5/8" REBAR SET

● T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
● T2
● T3

● BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
● BT2
● BT3

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

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

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

□ RIGHT OF WAY STAKING PROPOSED TO BE SET.

SCALE: 1"=50'

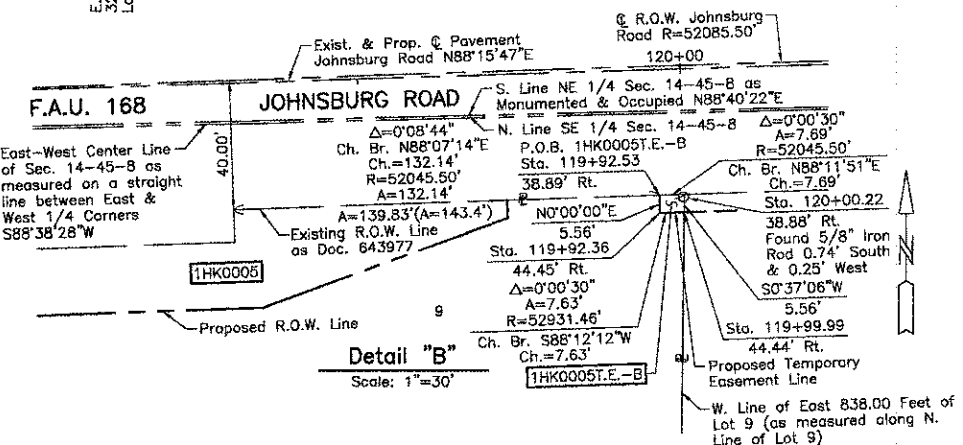
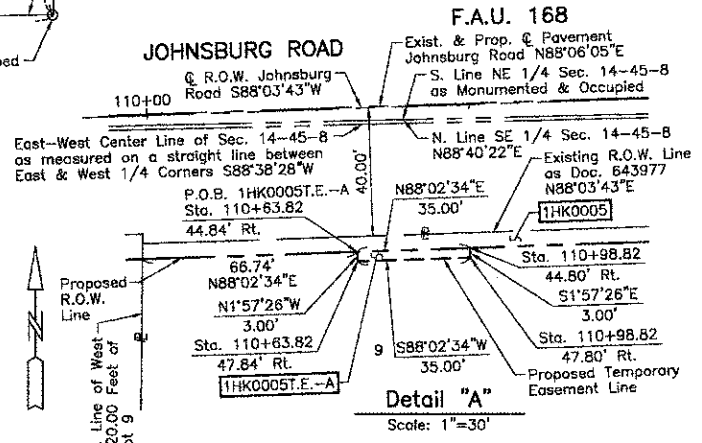
(PLAT NO. 4 OF McHENRY)
COUNTY CLERK'S PLAT OF PART OF
SEC'S. 14 AND 15, T. 45 N., R. 8 E.
of 3rd P.M.
Recorded May 6, 1902
as Document No. 14080

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT AREA SQUARE FEET	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1HK0005 1HK0005T.E.-A 1HK0005T.E.-B	McHenry State Bank as Trustee under Trust Agreement dated June 5, 1984 known as Trust No. 3019	77.488	0.392	N/A	77.096	T.E.-A=0.002 T.E.-B=0.001	105 43	Driveway Construction Driveway Construction	09-14-400-019	

EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
1HK0005	643977	August 20, 1975
-----	638371	June 6, 1975
-----	750632	October 25, 1978
-----	96R017924	April 11, 1996

Schedule of Ties		
Point Number	Tie to point	Tie Distance (feet)
1	T1 T2 T3	
2	T1 T2 T3	
3	T1 T2 T3	
4	T1 T2 T3	
5	T1 T2 T3	
6	T1 T2 T3	
7	T1 T2 T3	
8	T1 T2 T3	
9	T1 T2 T3	
10	T1 T2 T3	
11	T1 T2 T3	
12	T1 T2 T3	
13	T1 T2 T3	

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
111+73.00	44.73' Rt.	2,080,642.023	1,002,625.479
111+73.01	51.73' Rt.	2,080,635.023	1,002,625.718
112+10.17	40.05' Lt.	2,080,727.982	1,002,659.820
112+10.56	50.05' Lt.	2,080,737.990	1,002,659.876
112+99.89	65.60' Rt.	2,080,625.367	1,002,752.986
113+00.20	61.61' Rt.	2,080,629.363	1,002,753.164
113+42.22	40.14' Lt.	2,080,732.448	1,002,791.793
113+42.61	50.14' Lt.	2,080,742.456	1,002,791.848
113+63.51	65.53' Rt.	2,080,627.540	1,002,816.573
113+63.52	75.53' Rt.	2,080,617.545	1,002,816.914
113+99.23	39.82' Rt.	2,080,654.420	1,002,851.423
113+99.24	49.82' Rt.	2,080,644.426	1,002,851.761
115+36.70	67.36' Rt.	2,080,631.456	1,002,989.723
115+36.70	75.36' Rt.	2,080,623.460	1,002,989.996
117+34.11	67.15' Rt.	2,080,638.198	1,003,187.020
117+34.11	70.15' Rt.	2,080,635.200	1,003,187.123
118+60.05	50.78' Lt.	2,080,759.961	1,003,309.142
118+60.24	0.78' Lt.	2,080,709.990	1,003,310.845
118+60.39	39.22' Rt.	2,080,670.013	1,003,312.208
118+60.43	49.22' Rt.	2,080,660.019	1,003,312.549
118+68.67	69.71' Rt.	2,080,639.789	1,003,321.406
119+45.32	38.97' Rt.	2,080,672.837	1,003,397.088
119+45.33	44.52' Rt.	2,080,667.290	1,003,397.266
119+92.36	44.45' Rt.	2,080,668.789	1,003,444.278
119+92.53	38.89' Rt.	2,080,674.347	1,003,444.278
119+99.99	44.44' Rt.	2,080,669.028	1,003,451.905
120+00.22	38.88' Rt.	2,080,674.589	1,003,451.965



STATE OF ILLINOIS }
COUNTY OF LAKE }SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 14, TOWNSHIP 45N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

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

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

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
Note: Surface Coordinates are Shown

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
109+97.08	44.91' Rt.	2,080,636.014	1,002,449.657
109+97.28	40.10' Rt.	2,080,640.826	1,002,449.698
109+97.40	37.12' Rt.	2,080,643.809	1,002,449.724
110+63.82	47.84' Rt.	2,080,638.294	1,002,516.356
110+63.82	47.84' Rt.	2,080,635.295	1,002,516.458
110+98.82	44.80' Rt.	2,080,639.489	1,002,551.337
110+98.82	47.80' Rt.	2,080,636.491	1,002,551.440

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

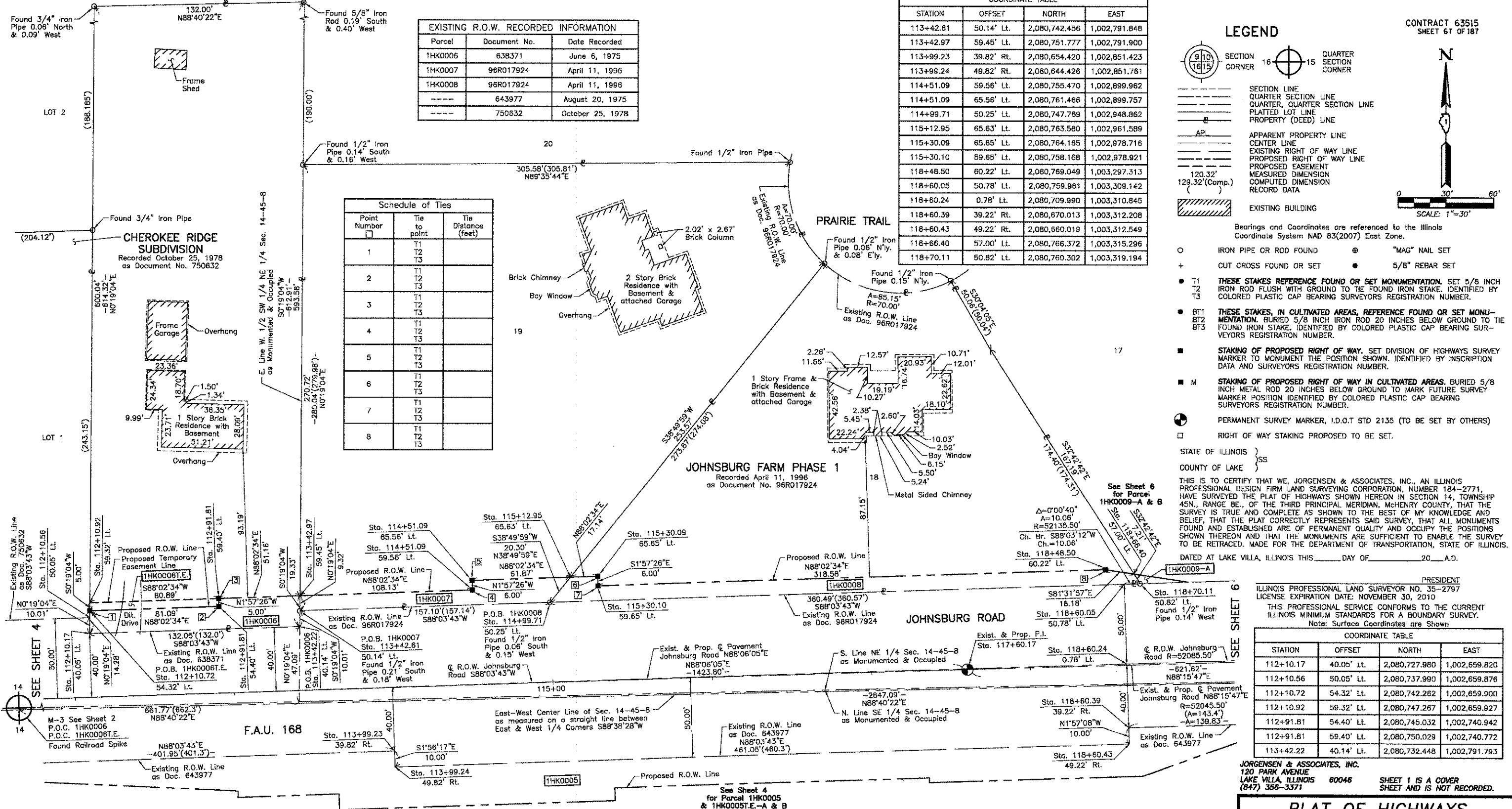
SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.U. 168 (JOHNSTOWN ROAD)
SECTION 05-00314-00-WR McHENRY COUNTY
PROJECT JOB NO. R-91-005-06
STATION 109+00 TO STATION 121+00
SCALE: 1"=50'

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

COMPANY NAME: JORGENSEN & ASSOCIATES, INC.
PROJECT CONTACT: JORGENSEN & ASSOCIATES, INC.
CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION
DATE PLOTTED: 12/19/2012 02:44:45 PM
FILE NAME: 090622-p04-05.dwg
PLOT DRIVER: pdfwplotter.dll
PEN TABLE: standard.ctb

PART OF THE EAST 1/2 OF SEC. 14, TWP. 45 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.



EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
1HK0006	638371	June 6, 1975
1HK0007	96R017924	April 11, 1996
1HK0008	96R017924	April 11, 1996
-----	643977	August 20, 1975
-----	750632	October 25, 1978

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

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
113+42.61	50.14' Lt.	2,080,742.456	1,002,791.848
113+42.97	59.45' Lt.	2,080,751.777	1,002,791.900
113+99.23	39.82' Rt.	2,080,654.420	1,002,851.423
113+99.24	49.82' Rt.	2,080,644.426	1,002,851.761
114+51.09	59.56' Lt.	2,080,755.470	1,002,899.962
114+51.09	65.56' Lt.	2,080,761.466	1,002,899.757
114+99.71	50.25' Lt.	2,080,747.769	1,002,948.862
115+12.95	65.63' Lt.	2,080,763.580	1,002,961.589
115+30.09	65.65' Lt.	2,080,764.165	1,002,978.716
115+30.10	59.85' Lt.	2,080,758.168	1,002,978.921
118+48.50	60.22' Lt.	2,080,769.049	1,003,297.313
118+60.05	50.78' Lt.	2,080,759.961	1,003,309.142
118+60.24	0.78' Lt.	2,080,709.990	1,003,310.845
118+60.39	39.22' Rt.	2,080,670.013	1,003,312.208
118+60.43	49.22' Rt.	2,080,660.019	1,003,312.549
118+66.40	57.00' Lt.	2,080,766.372	1,003,315.296
118+70.11	50.82' Lt.	2,080,760.302	1,003,319.194

LEGEND

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

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

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

STATE OF ILLINOIS }
COUNTY OF LAKE }SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 14, TOWNSHIP 45N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

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

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

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
Note: Surface Coordinates are Shown

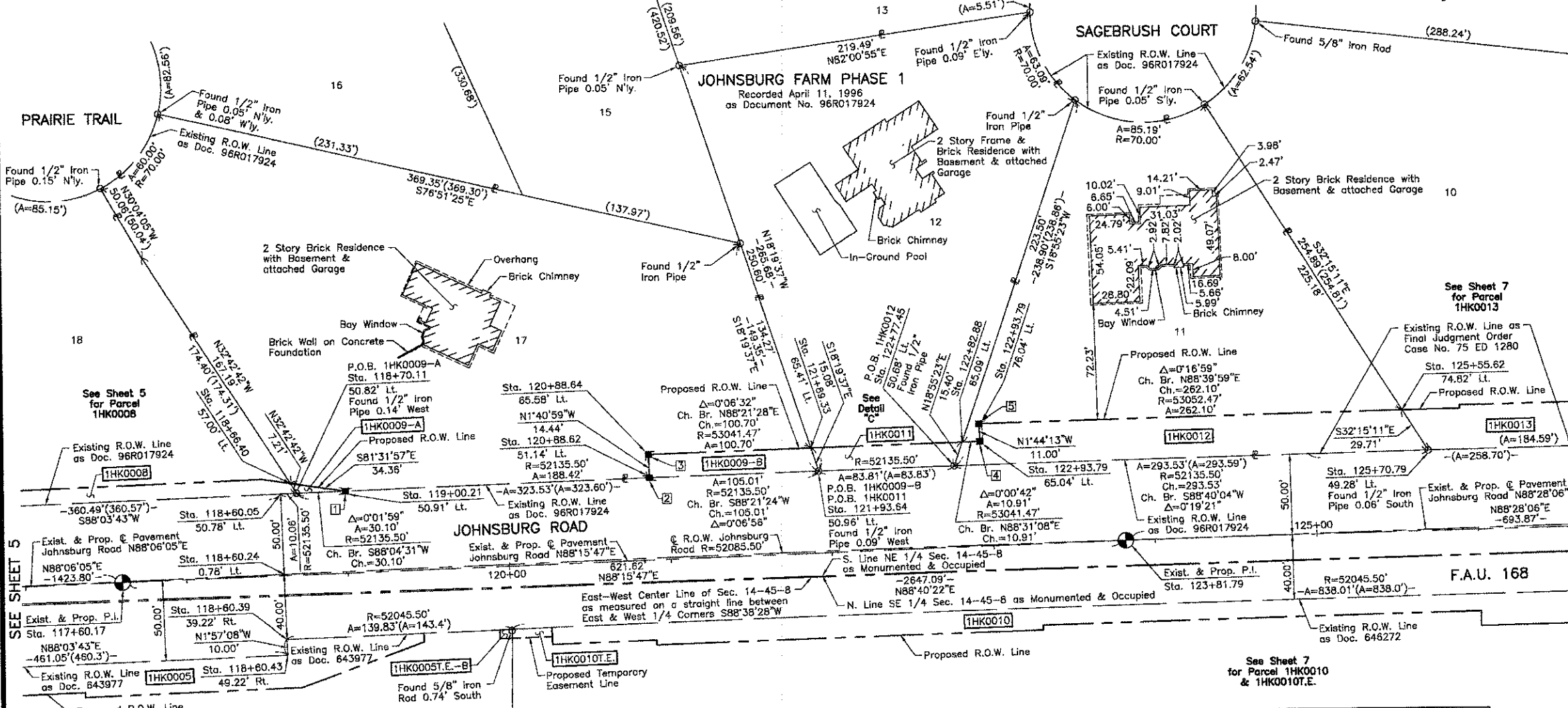
STATION	OFFSET	NORTH	EAST
112+10.17	40.05' Lt.	2,080,727.980	1,002,659.820
112+10.56	50.05' Lt.	2,080,737.990	1,002,659.876
112+10.72	54.32' Lt.	2,080,742.262	1,002,659.900
112+10.92	59.32' Lt.	2,080,747.267	1,002,659.927
112+91.81	54.40' Lt.	2,080,745.032	1,002,740.942
112+91.81	59.40' Lt.	2,080,750.029	1,002,740.772
113+42.22	40.14' Lt.	2,080,732.448	1,002,791.793

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA SQUARE FEET	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1HK0006 1HK0006T.E.	Jane H. Logan, divorced and not since remarried	1.859	0.049	N/A	1.810	0.009 405	Construction Purposes	09-14-200-011	
1HK0007	Jayson Hardersen as Trustee of the Jason Hardersen Trust dated September 12, 2007 and Erica Hardersen as Trustee of the Erica Hardersen Trust dated September 12, 2007	1.641	0.043	N/A	1.598	N/A N/A	N/A	09-14-252-018	
1HK0008	Charlotte R. Mindick and Morris Mindick as Trustees of the Charlotte R. Mindick Living Trust dated February 18, 1999	1.020	0.081	N/A	0.939	N/A N/A	N/A	09-14-252-019	

(PLAT NO. 4 OF McHENRY)
COUNTY CLERK'S PLAT OF PART OF
SEC'S. 14 AND 15, T. 45 N., R. 8 E.
OF 3RD P.M.
Recorded May 6, 1902
as Document No. 14080

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.U. 168 (JOHNSBURG ROAD)
SECTION 05-00314-00-WR McHENRY COUNTY
PROJECT JOB NO. R-91-005-06
STATION 112+00 TO STATION 119+00
SCALE: 1"=30'

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



LEGEND

SECTION CORNER 16 QUARTER SECTION CORNER 15

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE

APL APPARENT PROPERTY LINE
CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
MEASURED DIMENSION
COMPUTED DIMENSION
RECORD DATA

EXISTING BUILDING

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.

○ IRON PIPE OR ROD FOUND ⊕ "MAG" NAIL SET
+ CUT CROSS FOUND OR SET ● 5/8" REBAR SET

● T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
● T2
● T3

● BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
● BT2
● BT3

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

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

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

□ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS } SS
COUNTY OF LAKE

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 14, TOWNSHIP 45N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

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

See Sheet 5 for Parcel 1HK0008

See Sheet 7 for Parcel 1HK0013

See Sheet 7 for Parcel 1HK0010 & 1HK0010T.E.

See Sheet 4 for Parcel 1HK0005 & 1HK0005T.E.-A & B

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	SQUARE FEET	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1HK0009-A	Yasmine Shedbaker, married	1.563	A=0.002 B=0.034	93 N/A	N/A	1.527	N/A	N/A	09-14-252-020	
1HK0011	Todd E. Krennrich and Suzanne Krennrich, as tenants by the entirety	1.040	0.029	N/A	N/A	1.011	N/A	N/A	09-14-276-003	
1HK0012	Christopher Gagnon	0.931	0.162	N/A	N/A	0.769	N/A	N/A	09-14-276-004	

(PLAT NO. 4 OF McHENRY)
COUNTY CLERK'S PLAT OF PART OF SEC'S. 14 AND 15, T. 45 N., R. 8 E. OF 3RD P.M.
Recorded May 6, 1902
as Document No. 14080

Schedule of Ties

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

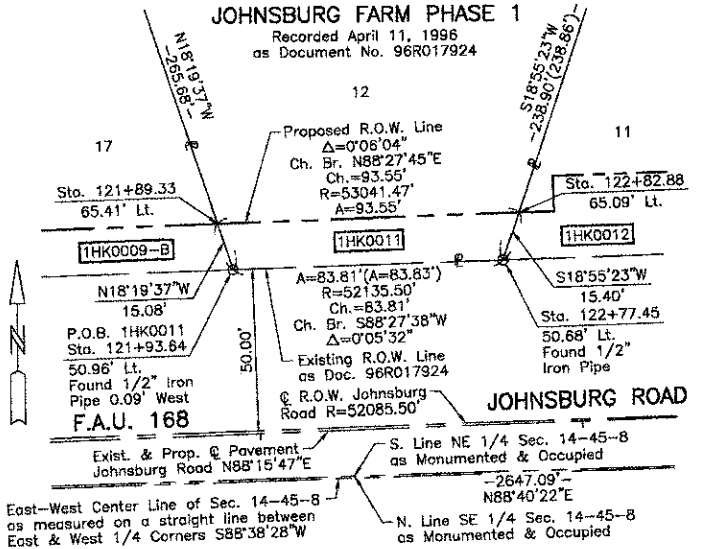
EXISTING R.O.W. RECORDED INFORMATION

Parcel	Document No.	Date Recorded
1HK0009	96R017924	April 11, 1996
1HK0011	96R017924	April 11, 1996
1HK0012	75 ED 1280	*March 30, 1976
1HK0012	96R017924	April 11, 1996
----	643977	August 20, 1975
----	648272	September 18, 1975
----	75 ED 1280	*March 30, 1976
----	96R017924	April 11, 1996

* Date Filed

COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
120+88.62	51.14' Lt.	2,080,767.246	1,003,537.598
120+88.64	65.58' Lt.	2,080,781.683	1,003,537.173
121+89.33	65.41' Lt.	2,080,784.589	1,003,637.828
121+93.64	50.96' Lt.	2,080,770.258	1,003,642.569
122+77.45	50.88' Lt.	2,080,772.510	1,003,726.350
122+82.88	65.09' Lt.	2,080,787.079	1,003,731.345
122+93.79	65.04' Lt.	2,080,787.361	1,003,742.251
122+93.79	76.04' Lt.	2,080,798.356	1,003,741.918
125+55.62	74.82' Lt.	2,080,804.457	1,004,003.942
125+70.79	49.28' Lt.	2,080,779.334	1,004,019.795



COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
118+60.05	50.78' Lt.	2,080,759.961	1,003,309.142
118+60.24	0.78' Lt.	2,080,709.990	1,003,310.845
118+60.39	39.22' Rt.	2,080,670.013	1,003,312.208
118+60.43	49.22' Rt.	2,080,660.019	1,003,312.549
118+66.40	57.00' Lt.	2,080,766.372	1,003,315.296
118+70.11	50.82' Lt.	2,080,760.302	1,003,319.194
119+00.21	50.91' Lt.	2,080,761.313	1,003,348.277

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60048
(847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.U. 168 (JOHNSBURG ROAD)
SECTION 05-00314-00-WR McHENRY COUNTY
PROJECT JOB NO. R-91-005-06
STATION 117+00 TO STATION 126+00
SCALE: 1"=40'

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

COMPANY NAME: JORGENSEN & ASSOCIATES, INC.
PROJECT CONTACT: JORGENSEN & ASSOCIATES, INC.
CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION
DATE PLOTTED: 08/02/2012 2:46:26 PM
FILE NAME: 08022-p07-07.dwg
PLOT DRIVER: pdfwrite
PLOT TABLE: Standard.ctb

PART OF THE EAST 1/2 OF SEC. 14, TWP. 45 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
123+28.41	53.14' Rt.	2,080,670.287	1,003,780.434
123+28.42	50.14' Rt.	2,080,673.286	1,003,780.358
125+55.62	74.82' Lt.	2,080,804.457	1,004,003.942
125+70.79	49.28' Lt.	2,080,779.334	1,004,019.795
125+91.21	74.60' Lt.	2,080,805.185	1,004,039.525
125+91.22	76.60' Lt.	2,080,807.185	1,004,039.485
125+99.73	80.47' Rt.	2,080,670.394	1,004,051.657
125+99.79	51.47' Rt.	2,080,679.392	1,004,051.479
127+55.34	47.79' Lt.	2,080,782.779	1,004,204.312
127+56.51	75.25' Lt.	2,080,810.256	1,004,204.754
128+00.13	62.21' Rt.	2,080,674.014	1,004,252.031
128+37.98	53.37' Rt.	2,080,683.863	1,004,289.631
128+38.36	43.10' Rt.	2,080,694.142	1,004,289.742
128+38.55	38.10' Rt.	2,080,699.143	1,004,289.796
128+39.34	17.18' Rt.	2,080,720.075	1,004,290.022
128+56.24	38.30' Rt.	2,080,699.410	1,004,307.487
128+56.66	3.31' Rt.	2,080,734.407	1,004,306.984
128+57.07	31.69' Lt.	2,080,769.403	1,004,306.441
128+57.25	46.69' Lt.	2,080,784.401	1,004,306.217

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

Schedule of Ties		
Point Number	Tie to point	Tie Distance (feet)
8	T1 T2 T3	
9	T1 T2 T3	
10	T1 T2 T3	
11	T1 T2 T3	

LEGEND

SECTION CORNER 16 QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE

APL APPARENT PROPERTY LINE
C.L. CENTER LINE
E.R.W. EXISTING RIGHT OF WAY LINE
P.R.W. PROPOSED RIGHT OF WAY LINE
P.E. PROPOSED EASEMENT
M.D. MEASURED DIMENSION
C.D. COMPUTED DIMENSION
R.D. RECORD DATA

EXISTING BUILDING

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

○ IRON PIPE OR ROD FOUND ⊕ "MAG" NAIL SET
+ CUT CROSS FOUND OR SET ● 5/8" REBAR SET

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● T2
● T3

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● BT3

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

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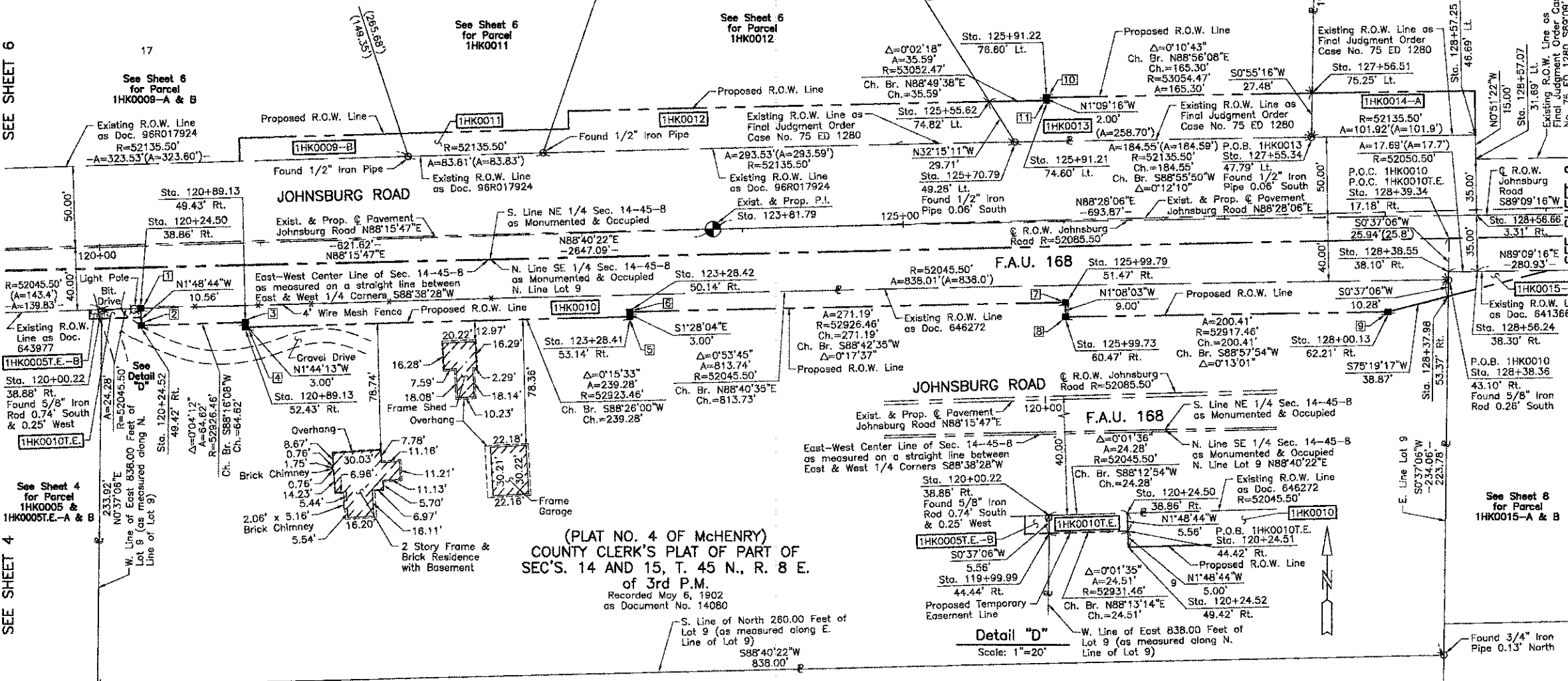
● PERMANENT SURVEY MARKER, I.D.O.T. STD 2135 (TO BE SET BY OTHERS)

□ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
COUNTY OF LAKE } SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 14, TOWNSHIP 45N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS. DATED AT LAKE VILLA, ILLINOIS THIS _____ DAY OF _____ 20____ A.D.

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



EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
1HK0010	646272	September 18, 1975
1HK0013	75 ED 1280	*March 30, 1976
-----	641366	July 16, 1975
-----	643977	August 20, 1975
-----	75 ED 1280	*March 30, 1976
-----	96R017924	April 11, 1996

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	SQUARE FEET	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1HK0010 1HK0010T.E.	Richard A. Wantuch as Trustee of the Richard A. Wantuch Trust, under trust agreement dated February 5, 2007 as to an undivided 1/2 interest and Mary L. Wantuch as Trustee of the Mary L. Wantuch Trust, under trust agreement dated February 5, 2007 as to an undivided 1/2 interest	4.521	0.259	N/A	4.262	0.003	136	Driveway Construction	09-14-400-023	
1HK0013	Robert E. Gracey and Suzanne M. Gracey, husband and wife, in Tenancy by the Entirety	1.491	0.120	N/A	1.371	N/A	N/A	N/A	09-14-276-005	

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
119+99.99	44.44' Rt.	2,080,669.028	1,003,451.905
120+00.22	38.88' Rt.	2,080,674.589	1,003,451.965
120+24.50	38.86' Rt.	2,080,675.345	1,003,476.232
120+24.51	44.42' Rt.	2,080,669.790	1,003,476.407
120+24.52	49.42' Rt.	2,080,664.792	1,003,476.565
120+89.13	49.43' Rt.	2,080,666.744	1,003,541.155
120+89.13	52.43' Rt.	2,080,663.745	1,003,541.246

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

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.U. 168 (JOHNSTOWN ROAD)
SECTION 05-00314-00-WR McHENRY COUNTY
PROJECT JOB NO. R-91-005-06
STATION 119+00 TO STATION 129+00
SCALE: 1"=40'

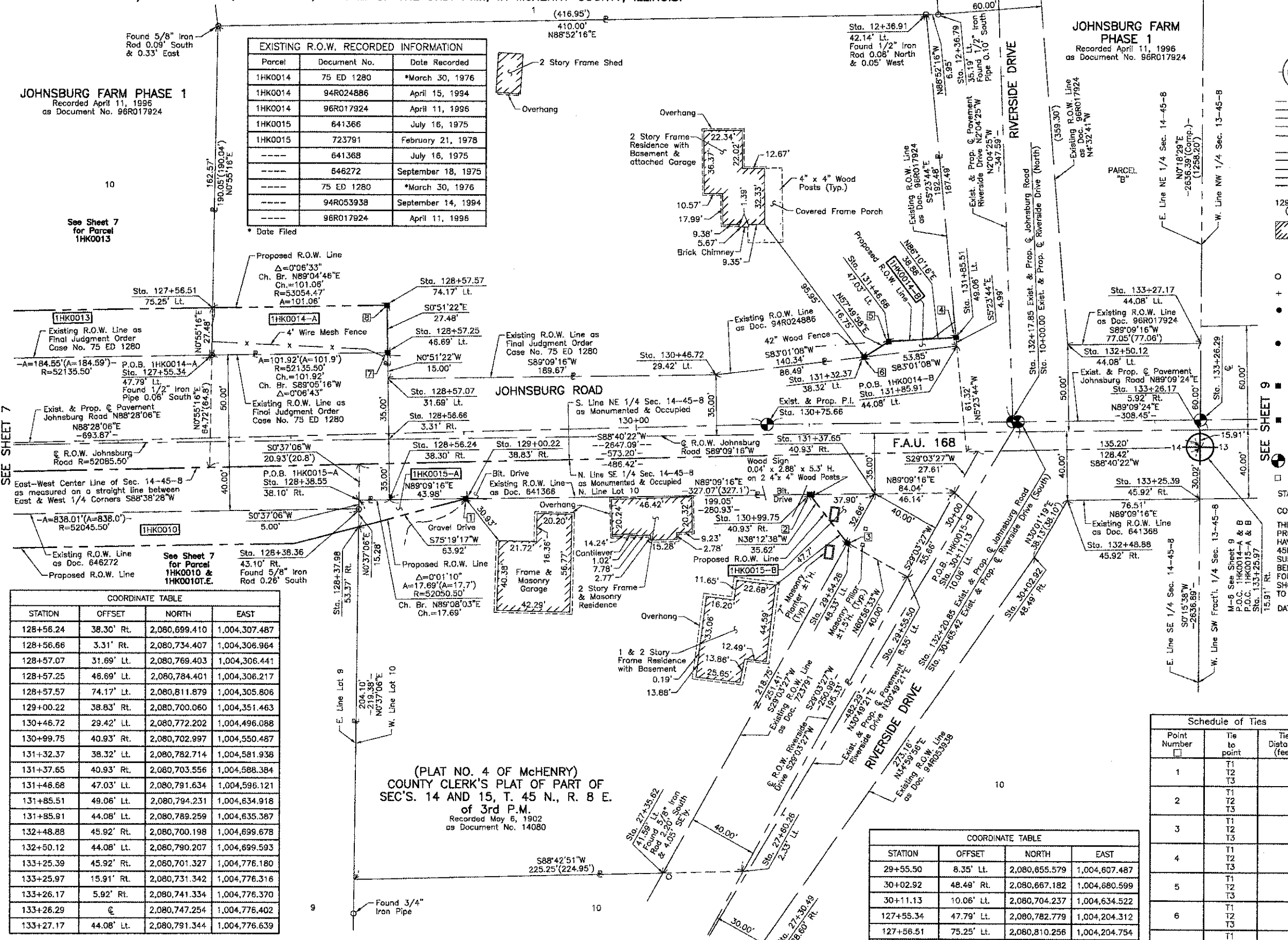
BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

JOHNSBURG FARM PHASE 1
Recorded April 11, 1996
as Document No. 96R017924

EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
1HK0014	75 ED 1280	*March 30, 1976
1HK0014	94R024886	April 15, 1994
1HK0014	96R017924	April 11, 1996
1HK0015	641366	July 16, 1975
1HK0015	723791	February 21, 1978
-----	641368	July 16, 1975
-----	646272	September 18, 1975
-----	75 ED 1280	*March 30, 1976
-----	94R053938	September 14, 1994
-----	96R017924	April 11, 1996

* Date Filed

See Sheet 7 for Parcel 1HK0013



LEGEND

SECTION CORNER 16 15 QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE

APL
APPARENT PROPERTY LINE
CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
MEASURED DIMENSION
COMPUTED DIMENSION
RECORD DATA

EXISTING BUILDING

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

○ IRON PIPE OR ROD FOUND ⊕ "MAG" NAIL SET
+ CUT CROSS FOUND OR SET ● 5/8" REBAR SET

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● T2
● T3

● BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
● BT2
● BT3

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

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

□ RIGHT OF WAY STAKING PROPOSED TO BE SET.

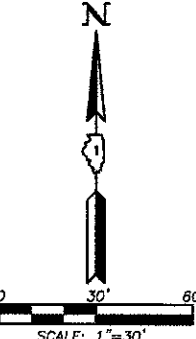
STATE OF ILLINOIS }
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DATED AT LAKE VILLA, ILLINOIS THIS ____ DAY OF ____ 20__ A.D.

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

CONTRACT 63515
SHEET 70 OF 187



STATION	OFFSET	NORTH	EAST
128+56.24	38.30' Rt.	2,080,699.410	1,004,307.487
128+56.66	3.31' Rt.	2,080,734.407	1,004,306.964
128+57.07	31.69' Lt.	2,080,769.403	1,004,306.441
128+57.25	46.69' Lt.	2,080,784.401	1,004,306.217
128+57.57	74.17' Lt.	2,080,811.879	1,004,305.806
129+00.22	38.83' Rt.	2,080,700.060	1,004,351.463
130+46.72	29.42' Lt.	2,080,772.202	1,004,496.088
130+99.75	40.93' Rt.	2,080,702.997	1,004,550.487
131+32.37	38.32' Lt.	2,080,782.714	1,004,581.938
131+37.65	40.93' Rt.	2,080,703.556	1,004,588.384
131+46.68	47.03' Lt.	2,080,791.634	1,004,596.121
131+85.51	49.06' Lt.	2,080,794.231	1,004,634.918
131+85.91	44.08' Lt.	2,080,789.259	1,004,635.387
132+48.88	45.92' Rt.	2,080,700.198	1,004,699.678
132+50.12	44.08' Lt.	2,080,790.207	1,004,699.593
133+25.39	45.92' Rt.	2,080,701.327	1,004,776.180
133+25.97	15.91' Rt.	2,080,731.342	1,004,776.316
133+26.17	5.92' Rt.	2,080,741.334	1,004,776.370
133+26.29	0	2,080,747.254	1,004,776.402
133+27.17	44.08' Lt.	2,080,791.344	1,004,776.639

(PLAT NO. 4 OF McHENRY)
COUNTY CLERK'S PLAT OF PART OF
SEC'S. 14 AND 15, T. 45 N., R. 8 E.
of 3rd P.M.
Recorded May 6, 1902
as Document No. 14080

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN		AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
			ACRES	SQUARE FEET						
1HK0014-A	Robert Langenberg and Pamela A. Langenberg, husband and wife, as Tenants by the Entirety	1.932	A=0.064 B=0.007	N/A 289	N/A	1.861	N/A	N/A	09-14-200-017	
1HK0015-A	Dorothy A. Hughes as Trustee of the Dorothy A. Hughes Living Trust dated May 25, 1994	1.428	A=0.011 B=0.053	N/A N/A	0.041	1.364	N/A	N/A	09-14-400-012	

STATION	OFFSET	NORTH	EAST
29+55.50	8.35' Lt.	2,080,655.579	1,004,607.487
30+02.92	48.49' Rt.	2,080,667.182	1,004,680.599
30+11.13	10.06' Lt.	2,080,704.237	1,004,634.522
127+55.34	47.79' Lt.	2,080,782.779	1,004,204.312
127+56.51	75.25' Lt.	2,080,810.256	1,004,204.754
128+37.98	53.37' Rt.	2,080,683.863	1,004,289.631
128+38.36	43.10' Rt.	2,080,694.142	1,004,289.742
128+38.55	38.10' Rt.	2,080,699.143	1,004,289.796

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

STATION	OFFSET	NORTH	EAST
12+36.79	35.19' Lt.	2,080,981.022	1,004,624.237
12+36.91	42.14' Lt.	2,080,980.885	1,004,617.288
27+30.49	28.60' Lt.	2,080,443.419	1,004,523.928
27+35.62	41.59' Lt.	2,080,483.794	1,004,466.280
27+60.26	2.33' Lt.	2,080,484.834	1,004,512.617
29+54.26	48.33' Lt.	2,080,675.007	1,004,572.521

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 358-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.U. 168 (JOHNSBURG ROAD)
SECTION 05-00314-00-WR McHENRY COUNTY
PROJECT JOB NO. R-91-005-06
STATION 10+00.00 TO STATION 13+00 (RIVERSIDE DR. NORTH)
STATION 27+00 TO STATION 30+85.42 (RIVERSIDE DR. SOUTH)
STATION 127+00 TO STATION 134+00 (JOHNSBURG RD.)
SCALE: 1"=30'

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

PART OF THE WEST 1/2 OF SEC. 13 AND PART OF THE EAST 1/2 OF SEC. 14, TWP. 45 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

**JOHNSBURG FARM
PHASE 1**
Recorded April 11, 1996
as Document No. 96R017924

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1HK0016	Robert V. Cable and Ariette S. Cable, husband and wife, in joint tenancy, as to an undivided 1/2 interest and Thomas C. Miller and Ardis C. Miller, husband and wife, in joint tenancy, as to an undivided 1/2 interest	12.890	0.067	0.045	12.823	N/A	N/A	09-13-301-002	

EXISTING R.O.W. RECORDED INFORMATION

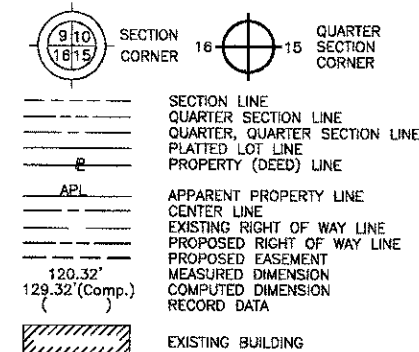
Parcel	Document No.	Date Recorded
1HK0016	100405	January 26, 1932
-----	100404	January 26, 1932
-----	100406	January 26, 1932
-----	91R027077	July 19, 1991
-----	94R053938	September 14, 1994
-----	641368	July 16, 1975
-----	641369	July 16, 1975
-----	96R017924	April 11, 1996

**DUTCH CREEK ESTATES
UNIT 1**
Recorded July 19, 1991
as Document No. 91R027077
Corrected by Certificate of Correction
Recorded March 22, 1993
as Document No. 93R015061

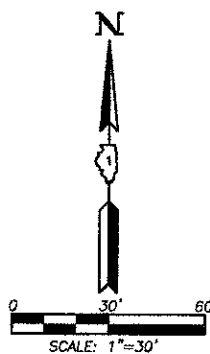
COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
133+27.18	44.08' Lt.	2,080,791.344	1,004,776.639
133+27.38	54.11' Rt.	2,080,801.370	1,004,776.693
134+94.54	35.05' Rt.	2,080,713.958	1,004,944.931
134+97.31	45.03' Rt.	2,080,704.001	1,004,947.785
135+60.09	13.63' Rt.	2,080,735.916	1,005,010.304
135+65.90	34.53' Rt.	2,080,715.060	1,005,016.283
136+27.02	55.92' Lt.	2,080,806.003	1,005,076.661
136+27.16	35.92' Lt.	2,080,786.006	1,005,076.970
137+87.32	11.04' Rt.	2,080,740.357	1,005,237.508
137+87.57	32.92' Rt.	2,080,718.483	1,005,237.936
137+87.65	43.24' Rt.	2,080,708.159	1,005,238.100
138+74.37	10.05' Rt.	2,080,742.059	1,005,324.541
138+77.67	32.26' Rt.	2,080,719.875	1,005,328.025
138+79.23	42.78' Rt.	2,080,709.372	1,005,329.674

LEGEND

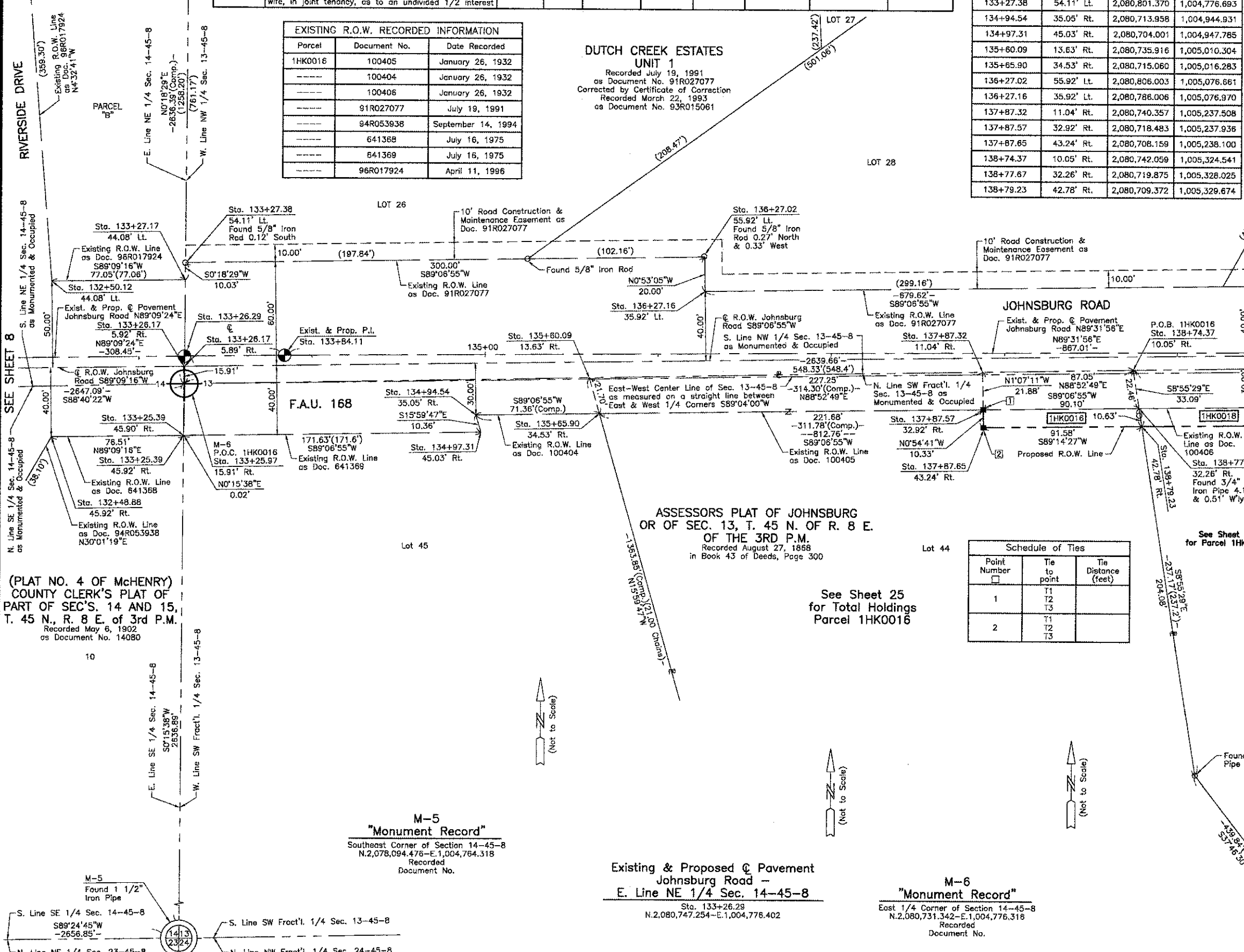


CONTRACT 63515
SHEET 71 OF 187



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

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



Schedule of Ties

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

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 13, TOWNSHIP 45N., RANGE 8E. AND SECTION 14, TOWNSHIP 45N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

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

PRESIDENT

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

COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
132+48.88	45.92' Rt.	2,080,700.198	1,004,699.678
132+50.12	44.08' Lt.	2,080,790.207	1,004,699.593
133+25.39	45.90' Rt.	2,080,701.350	1,004,776.180
133+25.39	45.92' Rt.	2,080,701.327	1,004,776.180
133+25.97	15.91' Rt.	2,080,731.342	1,004,776.316
133+26.17	5.89' Rt.	2,080,741.358	1,004,776.370
133+26.17	5.92' Rt.	2,080,741.334	1,004,776.370

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

**PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

F.A.U. 168 (JOHNSBURG ROAD)

SECTION 05-00314-00-WR McHENRY COUNTY
PROJECT JOB NO. R-91-005-06
STATION 132+00 TO STATION 139+00
SCALE: 1"=30'

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

COMPANY NAME: JORGENSEN & ASSOCIATES, INC.
 PROJECT CONTACT: JORGENSEN & ASSOCIATES, INC.
 CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION
 DATE PLOTTED: 12/19/2012 2:28:48 PM
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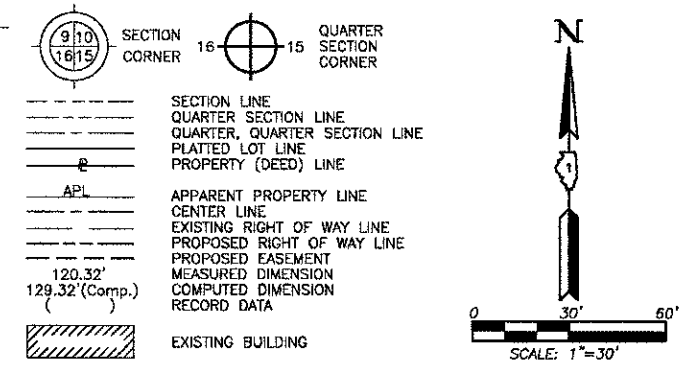
COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
140+94.91	44.14' Lt.	2,080,798.051	1,005,544.629
140+94.94	39.32' Lt.	2,080,793.230	1,005,544.706
142+41.31	40.39' Lt.	2,080,795.490	1,005,691.059
142+44.57	50.41' Lt.	2,080,805.540	1,005,694.239
143+07.01	29.39' Rt.	2,080,726.509	1,005,757.590
143+07.06	0.61' Lt.	2,080,756.506	1,005,757.127
143+07.14	40.61' Lt.	2,080,796.501	1,005,756.509
143+07.16	50.61' Lt.	2,080,806.500	1,005,756.354
143+07.97	40.61' Lt.	2,080,796.514	1,005,757.332
143+07.99	45.59' Lt.	2,080,801.501	1,005,757.263
144+08.02	40.43' Lt.	2,080,798.901	1,005,856.686
144+24.58	45.28' Lt.	2,080,804.327	1,005,872.942
144+30.62	50.40' Lt.	2,080,809.565	1,005,878.747
144+38.39	89.12' Lt.	2,080,828.670	1,005,885.711
144+99.33	72.03' Lt.	2,080,834.231	1,005,945.752
145+29.60	40.27' Lt.	2,080,804.059	1,005,977.340

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

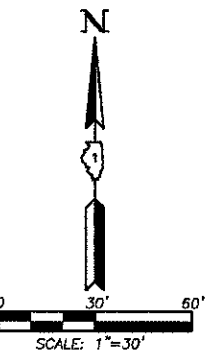
Existing & Proposed Pavement
Johnsburg Road
Curve #2

P.L. = Sta. 147+67.93
 Δ = 9'44.27"
 R = 6065.15'
 T = 516.81'
 L = 1031.13'
 P.C. = Sta. 142+51.12
 P.T. = Sta. 152+82.25

LEGEND



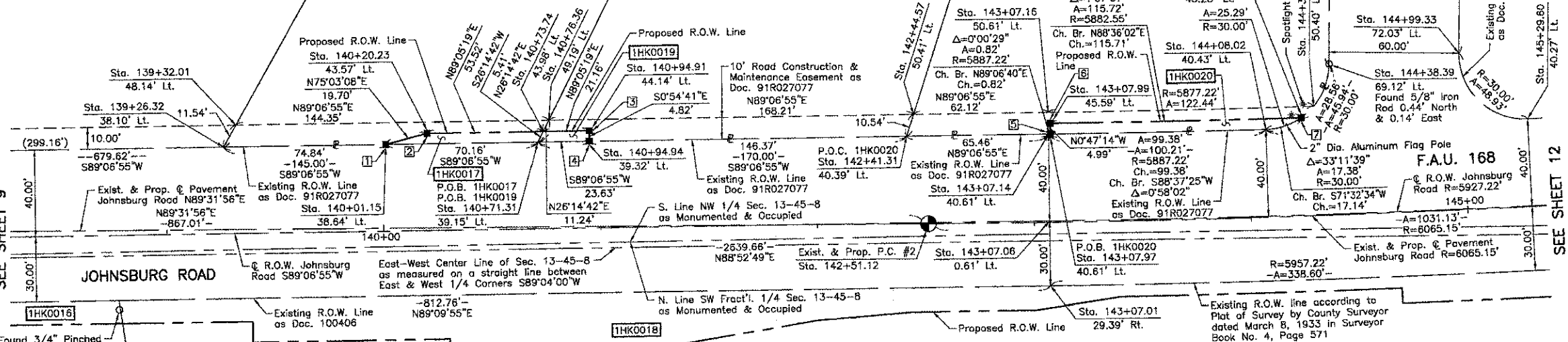
CONTRACT 63515
SHEET 72 OF 187



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

○ IRON PIPE OR ROD FOUND ⊕ "MAG" NAIL SET
 + CUT CROSS FOUND OR SET ● 5/8" REBAR SET

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



See Sheet 9 for Parcel 1HK0016
 See Sheet 11 for Parcel 1HK0018
 See Sheet 11 for Parcel 1HK0019
 See Sheet 11 for Parcel 1HK0020

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	SQUARE FEET	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1HK0017	James Blackowicz and Alicia Blackowicz, husband and wife, in joint tenancy	1.027	0.007	297	N/A	1.020	N/A	N/A	09-13-152-010	
1HK0019	Nicholas Willis and Jennifer Willis, husband and wife, as Tenants by the Entirety	1.008	0.002	108	N/A	1.006	N/A	N/A	09-13-152-011	
1HK0020	Carl P. Bormet and Rachel M. Bormet, in joint tenancy	1.014	0.013	N/A	N/A	1.001	N/A	N/A	09-13-152-012	

EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
1HK0017	91R027077	July 19, 1991
1HK0019	91R027077	July 19, 1991
1HK0020	91R027077	July 19, 1991
---	100406	January 26, 1932
---	91R027077	July 19, 1991

STATE OF ILLINOIS }
 COUNTY OF LAKE } SS

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

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

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
139+26.32	38.10' Lt.	2,080,790.626	1,005,376.094
139+32.01	48.14' Lt.	2,080,800.713	1,005,381.708
140+01.15	38.64' Lt.	2,080,791.781	1,005,450.922
140+20.23	43.57' Lt.	2,080,796.863	1,005,469.958
140+71.31	39.15' Lt.	2,080,792.865	1,005,521.076
140+73.74	43.98' Lt.	2,080,797.714	1,005,523.468
140+76.36	49.19' Lt.	2,080,802.943	1,005,526.045

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

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

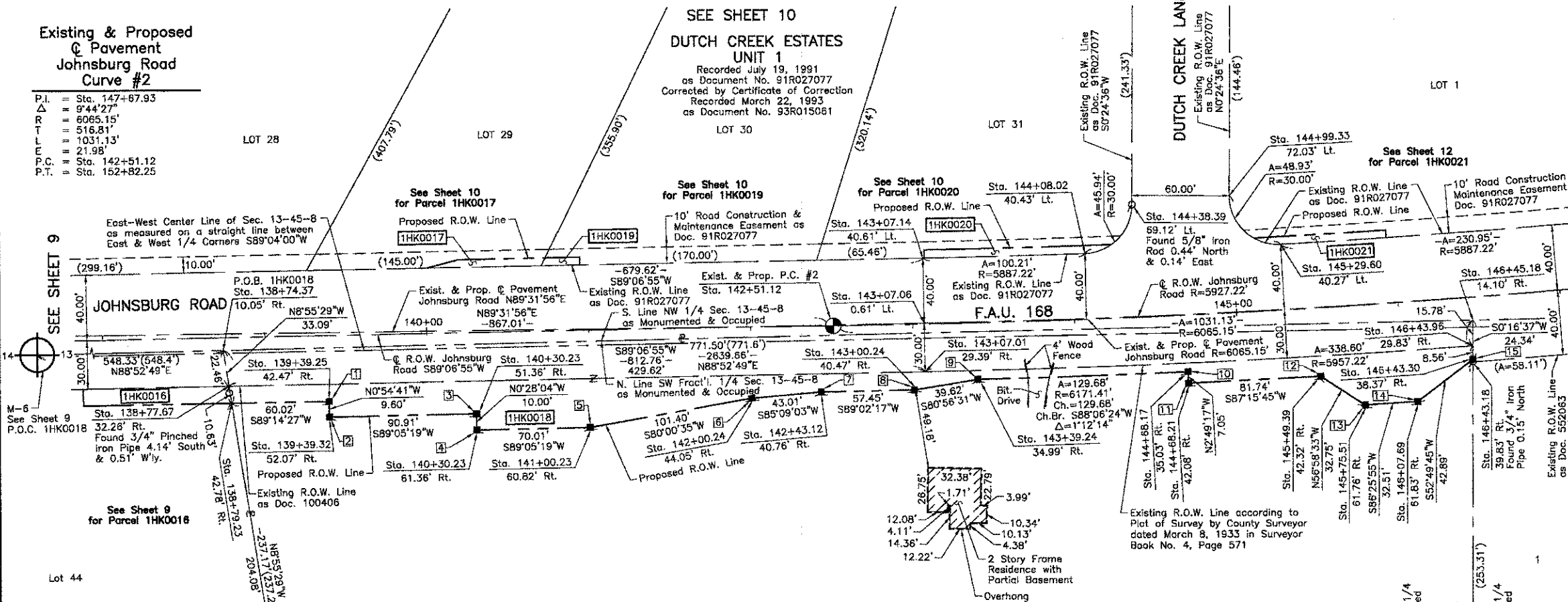
PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.U. 168 (JOHNSBURG ROAD)
 SECTION 05-00314-00-WR McHENRY COUNTY
 PROJECT JOB NO. R-91-005-06
 STATION 138+00 TO STATION 146+00
 SCALE: 1"=30'

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

COMPANY NAME: JORGENSEN & ASSOCIATES, INC.
 PROJECT CONTACT: JORGENSEN & ASSOCIATES, INC.
 CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION
 DATE PLOTTED: 12/19/2002 2:29:33 PM
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Existing & Proposed Pavement
Johnsburg Road
Curve #2

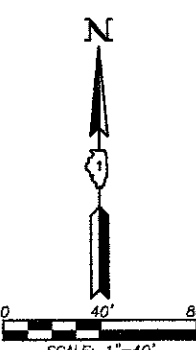
P.I. = Sta. 147+67.93
 Δ = 9°44'27"
 R = 6065.15'
 L = 516.81'
 T = 1031.13'
 E = 21.98'
 P.C. = Sta. 142+51.12
 P.T. = Sta. 152+82.25



LEGEND

- SECTION CORNER 16
- QUARTER SECTION CORNER 15
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APL
- APPARENT PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DATA
- EXISTING BUILDING
- Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2007) East Zone.
- IRON PIPE OR ROD FOUND
- "MAG" NAIL SET
- CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT2
- BT3
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

CONTRACT 63515
SHEET 73 OF 187



Point Number	Tie to point	Tie Distance (feet)
1	T1	
	T2	
	T3	
2	T1	
	T2	
	T3	
3	T1	
	T2	
	T3	
4	T1	
	T2	
	T3	
5	T1	
	T2	
	T3	
6	T1	
	T2	
	T3	
7	T1	
	T2	
	T3	
8	T1	
	T2	
	T3	
9	T1	
	T2	
	T3	
10	T1	
	T2	
	T3	
11	T1	
	T2	
	T3	
12	T1	
	T2	
	T3	
13	T1	
	T2	
	T3	
14	T1	
	T2	
	T3	
15	T1	
	T2	
	T3	

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

See Sheet 25
for Total Holdings
Parcel 1HK0018

Parcel	Document No.	Date Recorded
1HK0018	100406	January 26, 1932
-----	552063	September 27, 1971
-----	91R027077	July 19, 1991

STATION	OFFSET	NORTH	EAST
141+00.23	60.82' Rt.	2,080,693.130	1,005,550.813
142+00.24	44.05' Rt.	2,080,710.722	1,005,650.678
142+43.12	40.76' Rt.	2,080,714.357	1,005,693.531
143+00.24	40.47' Rt.	2,080,715.322	1,005,750.976
143+07.01	29.39' Rt.	2,080,726.509	1,005,757.590
143+07.06	0.61' Lt.	2,080,756.506	1,005,757.127
143+07.14	40.61' Lt.	2,080,796.501	1,005,756.509
143+39.24	34.99' Rt.	2,080,721.560	1,005,780.103
144+08.02	40.43' Lt.	2,080,798.901	1,005,856.686
144+38.39	69.12' Lt.	2,080,828.670	1,005,885.711
144+68.17	35.03' Rt.	2,080,725.844	1,005,919.705
144+68.21	42.08' Rt.	2,080,718.800	1,005,920.052
144+99.33	72.03' Lt.	2,080,834.231	1,005,945.752
145+29.60	40.27' Lt.	2,080,804.059	1,005,977.340
145+49.39	42.32' Rt.	2,080,722.704	1,006,001.702
145+75.51	61.76' Rt.	2,080,704.857	1,006,029.158
146+07.69	61.83' Rt.	2,080,706.881	1,006,061.603
146+43.18	39.83' Rt.	2,080,731.325	1,006,095.770
146+43.30	38.37' Rt.	2,080,732.793	1,006,095.777
146+43.96	29.83' Rt.	2,080,741.354	1,006,095.819
146+45.18	14.10' Rt.	2,080,757.136	1,006,095.895

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1HK0018	LaSalle National Bank (or its successor) as Trustee under Trust Agreement dated June 12, 1958, known as Trust No. 21637	10.273	0.680	0.396	9.583	N/A	N/A	09-13-301-003	

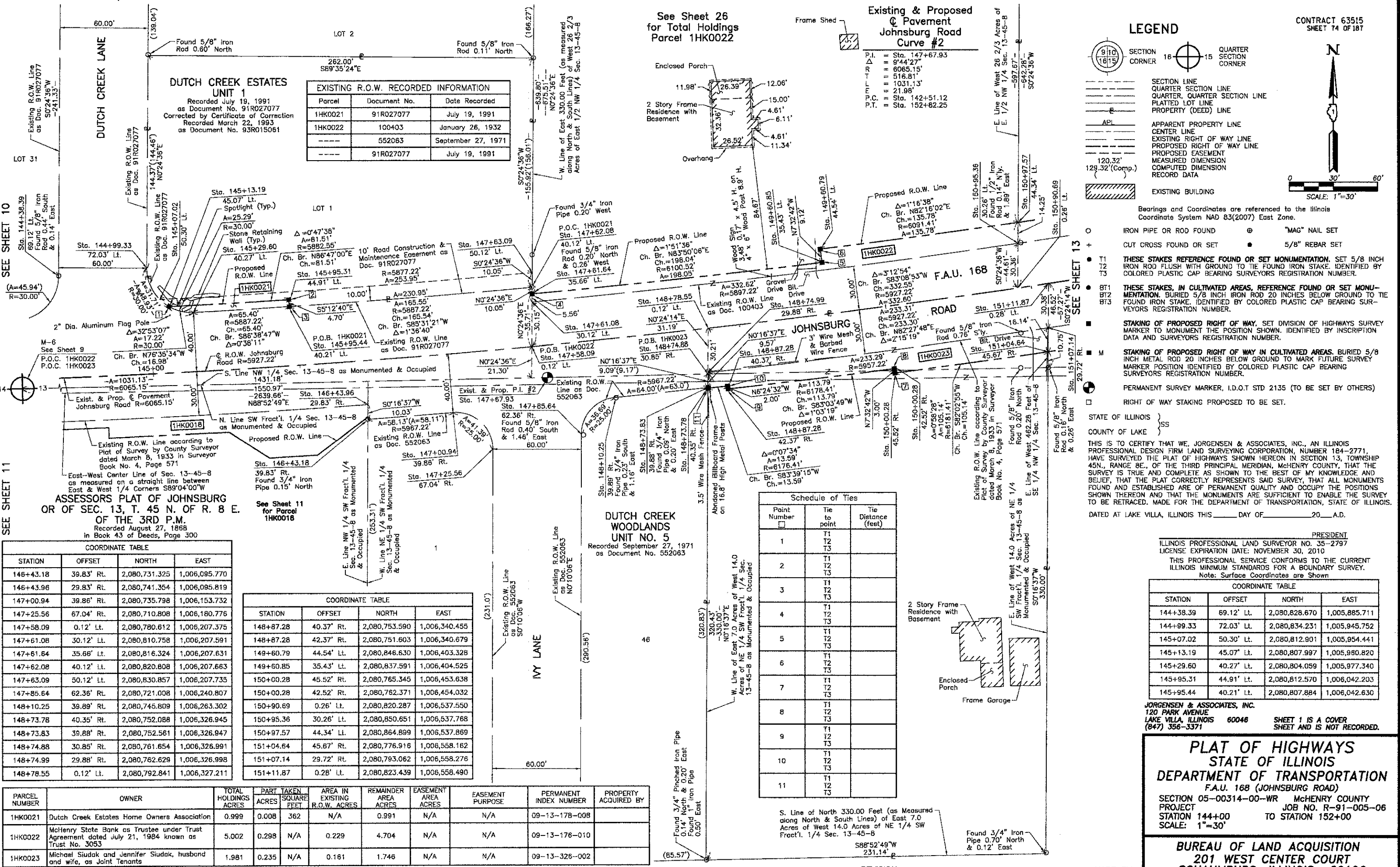
DUTCH CREEK WOODLANDS
UNIT NO. 5
Recorded September 27, 1971
as Document No. 552063

STATION	OFFSET	NORTH	EAST
138+74.37	10.05' Rt.	2,080,742.059	1,005,324.541
138+77.67	32.28' Rt.	2,080,719.875	1,005,328.025
138+79.23	42.78' Rt.	2,080,709.372	1,005,329.674
139+39.25	42.47' Rt.	2,080,710.168	1,005,389.683
139+39.32	52.07' Rt.	2,080,700.571	1,005,389.836
140+30.23	51.36' Rt.	2,080,702.017	1,005,480.734
140+30.23	61.36' Rt.	2,080,692.017	1,005,480.815

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

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.U. 168 (JOHNSBURG ROAD)
SECTION 05-00314-00-WR McHENRY COUNTY
PROJECT JOB NO. R-91-005-06
STATION 138+00 TO STATION 147+00
SCALE: 1"=40'

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

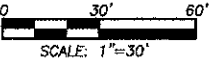


EXISTING R.O.W. RECORDED INFORMATION

Parcel	Document No.	Date Recorded
1HK0021	91R027077	July 19, 1991
1HK0022	100403	January 26, 1932
---	552063	September 27, 1971
---	91R027077	July 19, 1991

LEGEND

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



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

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

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

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

COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
144+38.39	69.12' Lt.	2,080,828.670	1,005,885.711
144+99.33	72.03' Lt.	2,080,834.231	1,005,945.752
145+07.02	50.30' Lt.	2,080,812.901	1,005,954.441
145+13.19	45.07' Lt.	2,080,807.997	1,005,980.820
145+29.60	40.27' Lt.	2,080,804.059	1,005,977.340
145+95.31	44.91' Lt.	2,080,812.570	1,006,042.203
145+95.44	40.21' Lt.	2,080,807.884	1,006,042.630

Schedule of Ties

Point Number	Tie to point	Tie Distance (feet)
1	T1	T2
1	T2	T3
2	T1	T2
2	T2	T3
3	T1	T2
3	T2	T3
4	T1	T2
4	T2	T3
5	T1	T2
5	T2	T3
6	T1	T2
6	T2	T3
7	T1	T2
7	T2	T3
8	T1	T2
8	T2	T3
9	T1	T2
9	T2	T3
10	T1	T2
10	T2	T3
11	T1	T2
11	T2	T3

COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
146+43.18	39.83' Rt.	2,080,731.325	1,006,095.770
146+43.96	29.83' Rt.	2,080,741.354	1,006,095.819
147+00.94	39.86' Rt.	2,080,735.798	1,006,153.732
147+25.56	67.04' Rt.	2,080,710.808	1,006,180.776
147+58.09	0.12' Lt.	2,080,780.612	1,006,207.375
147+61.08	30.12' Lt.	2,080,810.758	1,006,207.591
147+61.64	35.68' Lt.	2,080,816.324	1,006,207.631
147+62.08	40.12' Lt.	2,080,820.808	1,006,207.663
147+63.09	50.12' Lt.	2,080,830.857	1,006,207.735
147+85.64	62.36' Rt.	2,080,721.008	1,006,240.807
148+10.25	39.89' Rt.	2,080,745.809	1,006,263.302
148+73.78	40.35' Rt.	2,080,752.088	1,006,326.945
148+73.83	39.88' Rt.	2,080,752.581	1,006,326.947
148+74.88	30.85' Rt.	2,080,761.654	1,006,326.991
148+74.99	29.88' Rt.	2,080,762.629	1,006,326.998
148+78.55	0.12' Lt.	2,080,792.841	1,006,327.211

COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
148+87.28	40.37' Rt.	2,080,753.590	1,006,340.455
148+87.28	42.37' Rt.	2,080,751.603	1,006,340.679
149+60.79	44.54' Lt.	2,080,848.630	1,006,403.328
149+60.85	35.43' Lt.	2,080,837.591	1,006,404.525
150+00.28	45.52' Rt.	2,080,765.345	1,006,453.638
150+00.28	42.52' Rt.	2,080,762.371	1,006,454.032
150+90.69	0.26' Lt.	2,080,820.287	1,006,537.550
150+95.36	30.26' Lt.	2,080,850.651	1,006,537.768
150+97.57	44.34' Lt.	2,080,864.899	1,006,537.869
151+04.64	45.67' Rt.	2,080,776.916	1,006,558.162
151+07.14	29.72' Rt.	2,080,793.062	1,006,558.276
151+11.87	0.28' Lt.	2,080,823.439	1,006,558.490

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1HK0021	Dutch Creek Estates Home Owners Association	0.999	0.008	362	N/A	0.991	N/A	09-13-178-008	
1HK0022	McHenry State Bank as Trustee under Trust Agreement dated July 21, 1984 known as Trust No. 3093	5.002	0.298	N/A	0.229	4.704	N/A	09-13-176-010	
1HK0023	Michael Siudak and Jennifer Siudak, husband and wife, as Joint Tenants	1.981	0.235	N/A	0.161	1.746	N/A	09-13-326-002	

COMPANY NAME: JORGENSEN & ASSOCIATES, INC.
 PROJECT CONTACT: JORGENSEN & ASSOCIATES, INC.
 CLIENT: JORGENSEN & ASSOCIATES, INC.
 DATE PLOTTED: 12/19/2012 2:41:08 PM
 FILE NAME: 08622-plot-13.dgn
 PLOT DRIVER: pdfw...no...lvs...r...fy
 PEN TABLE: standard.ctb

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.U. 168 (JOHNSBURG ROAD)
 SECTION 05-00314-00-WR McHENRY COUNTY
 PROJECT JOB NO. R-91-005-06
 STATION 144+00 TO STATION 152+00
 SCALE: 1"=30'
BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

-(13.38' Chains)-

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1HK0024	McHenry State Bank as Trustee under Trust Agreement dated June 26, 1995 known as Trust No. 13068	12.020	0.843	0.511	11.177	N/A	N/A	09-13-176-008 09-13-176-013	
1HK0025 1HK0025T.E.	Russell E. Anderson, a married man as to an undivided 50% interest and Gary Rabine, a married man as to an undivided 50% interest as Tenants in Common	4.921	0.458	0.315	4.463	0.018	Grading	09-13-177-001 09-13-177-002 09-13-326-003	

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

See Sheet 26 for Total Holdings Parcel 1HK0024

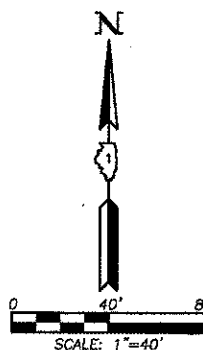
Existing & Proposed Pavement Johnsburg Road Curve #2

P.I. = Sta. 147+67.93
 Δ = 9°44'27"
 R = 6065.15'
 T = 516.81'
 L = 1031.13'
 P.C. = Sta. 142+51.12
 P.T. = Sta. 152+82.25

LEGEND

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

CONTRACT 63515 SHEET 75 OF 187



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

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

STATE OF ILLINOIS }
 COUNTY OF LAKE }SS

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

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

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
 Note: Surface Coordinates are Shown

STATION	OFFSET	NORTH	EAST
151+16.71	41.69' RL	2,080,782.667	1,006,569.592
151+16.71	45.69' RL	2,080,778.711	1,006,570.186
152+72.58	30.51' Lt.	2,080,879.332	1,006,711.743
152+72.63	0.51' Lt.	2,080,849.808	1,006,717.065
152+72.69	29.49' Rt.	2,080,820.284	1,006,722.387
153+86.33	45.09' Rt.	2,080,825.068	1,006,837.042
153+86.50	41.31' Rt.	2,080,828.816	1,006,836.546
153+99.68	50.92' Lt.	2,080,921.920	1,006,833.166
154+80.37	49.92' Lt.	2,080,935.241	1,006,912.753
154+80.37	50.92' Lt.	2,080,936.225	1,006,912.575
154+89.28	187.65' Rt.	2,080,703.016	1,006,963.632
155+10.26	202.26' Rt.	2,080,692.353	1,006,986.867
155+22.46	136.36' Rt.	2,080,759.370	1,006,987.191
155+39.35	45.08' Rt.	2,080,852.197	1,006,987.640
155+42.25	29.43' Rt.	2,080,868.112	1,006,987.717
155+47.80	0.57' Lt.	2,080,898.622	1,006,987.864
158+32.61	0.62' Lt.	2,080,949.146	1,007,268.159
158+37.61	30.62' Lt.	2,080,979.558	1,007,267.758
158+40.82	49.94' Lt.	2,080,999.146	1,007,267.499
159+59.15	30.64' Lt.	2,081,001.119	1,007,387.376
159+83.89	Q	2,080,975.353	1,007,417.152
159+84.01	0.64' Lt.	2,080,976.004	1,007,417.158

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

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.U. 168 (JOHNSBURG ROAD)
 SECTION 05-00314-00-WR McHENRY COUNTY
 PROJECT JOB NO. R-91-005-06
 STATION 150+00 TO STATION 160+00
 SCALE: 1"=40'

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

Parcel	Document No.	Date Recorded
1HK0024	100407	January 26, 1932
---	100408	January 26, 1932
---	100409	January 26, 1932
---	742988	August 16, 1978

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

DUTCH CREEK WOODLANDS UNIT 6 Recorded August 16, 1978 as Document No. 742988

STATION	OFFSET	NORTH	EAST
151+16.71	41.69' RL	2,080,782.667	1,006,569.592
151+16.71	45.69' RL	2,080,778.711	1,006,570.186
152+72.58	30.51' Lt.	2,080,879.332	1,006,711.743
152+72.63	0.51' Lt.	2,080,849.808	1,006,717.065
152+72.69	29.49' Rt.	2,080,820.284	1,006,722.387
153+86.33	45.09' Rt.	2,080,825.068	1,006,837.042
153+86.50	41.31' Rt.	2,080,828.816	1,006,836.546
153+99.68	50.92' Lt.	2,080,921.920	1,006,833.166
154+80.37	49.92' Lt.	2,080,935.241	1,006,912.753
154+80.37	50.92' Lt.	2,080,936.225	1,006,912.575
154+89.28	187.65' Rt.	2,080,703.016	1,006,963.632
155+10.26	202.26' Rt.	2,080,692.353	1,006,986.867
155+22.46	136.36' Rt.	2,080,759.370	1,006,987.191
155+39.35	45.08' Rt.	2,080,852.197	1,006,987.640
155+42.25	29.43' Rt.	2,080,868.112	1,006,987.717
155+47.80	0.57' Lt.	2,080,898.622	1,006,987.864
158+32.61	0.62' Lt.	2,080,949.146	1,007,268.159
158+37.61	30.62' Lt.	2,080,979.558	1,007,267.758
158+40.82	49.94' Lt.	2,080,999.146	1,007,267.499
159+59.15	30.64' Lt.	2,081,001.119	1,007,387.376
159+83.89	Q	2,080,975.353	1,007,417.152
159+84.01	0.64' Lt.	2,080,976.004	1,007,417.158

Point Number	Tie to point	Tie Distance (feet)
1	T1	
	T2	
	T3	
2	T1	
	T2	
	T3	
3	T1	
	T2	
	T3	
4	T1	
	T2	
	T3	
5	T1	
	T2	
	T3	
6	T1	
	T2	
	T3	
7	T1	
	T2	
	T3	
8	T1	
	T2	
	T3	
9	T1	
	T2	
	T3	

COMPANY NAME: JORGENSEN & ASSOCIATES, INC.
 PROJECT CONTACT: JORGENSEN & ASSOCIATES, INC.
 CLIENT: McHENRY COUNTY
 DATE PLOTTED: 12/19/2012 2:41:57 PM
 FILE NAME: 086522-p00h-14.dgn
 PLOT DRIVER: pdfwrtprn
 PEN TABLE: standard.ctb

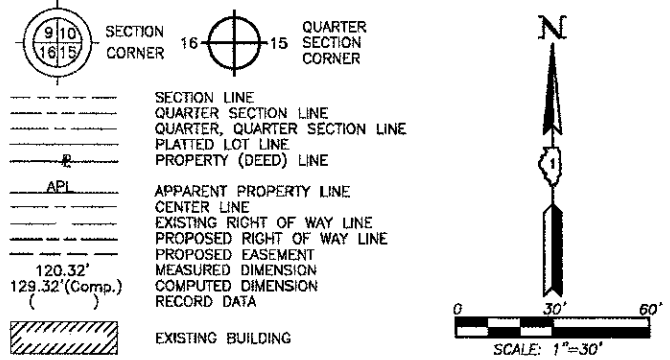
PART OF THE NORTH 1/2 AND PART OF THE SOUTH FRACT'L. 1/2 OF SEC. 13, TWP. 45 N., R. 8 E. OF THE 3RD. P.M., IN MCHENRY COUNTY, ILLINOIS.

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT SQUARE FEET	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1HK0026 1HK0026T.E.-A 1HK0026T.E.-B	Fred Brian Mikes, Trustee of the Fred Brian Mikes Trust dated August 6, 1997	1.375	0.085	N/A	N/A	1.290	A=0.201 B=0.019	N/A N/A	Grading Grading	09-13-326-017
1HK0027 1HK0027T.E.	Edwin P. Hettermann and Lina Hettermann, in joint tenancy	1.095	0.016	N/A	N/A	1.079	0.029	N/A	Grading	09-13-326-024
1HK0029 1HK0029T.E.	Rudy Rivera and Beverly Rivera in Joint Tenancy	0.508	0.001	44	N/A	0.507	0.002	71	Grading	09-13-177-004

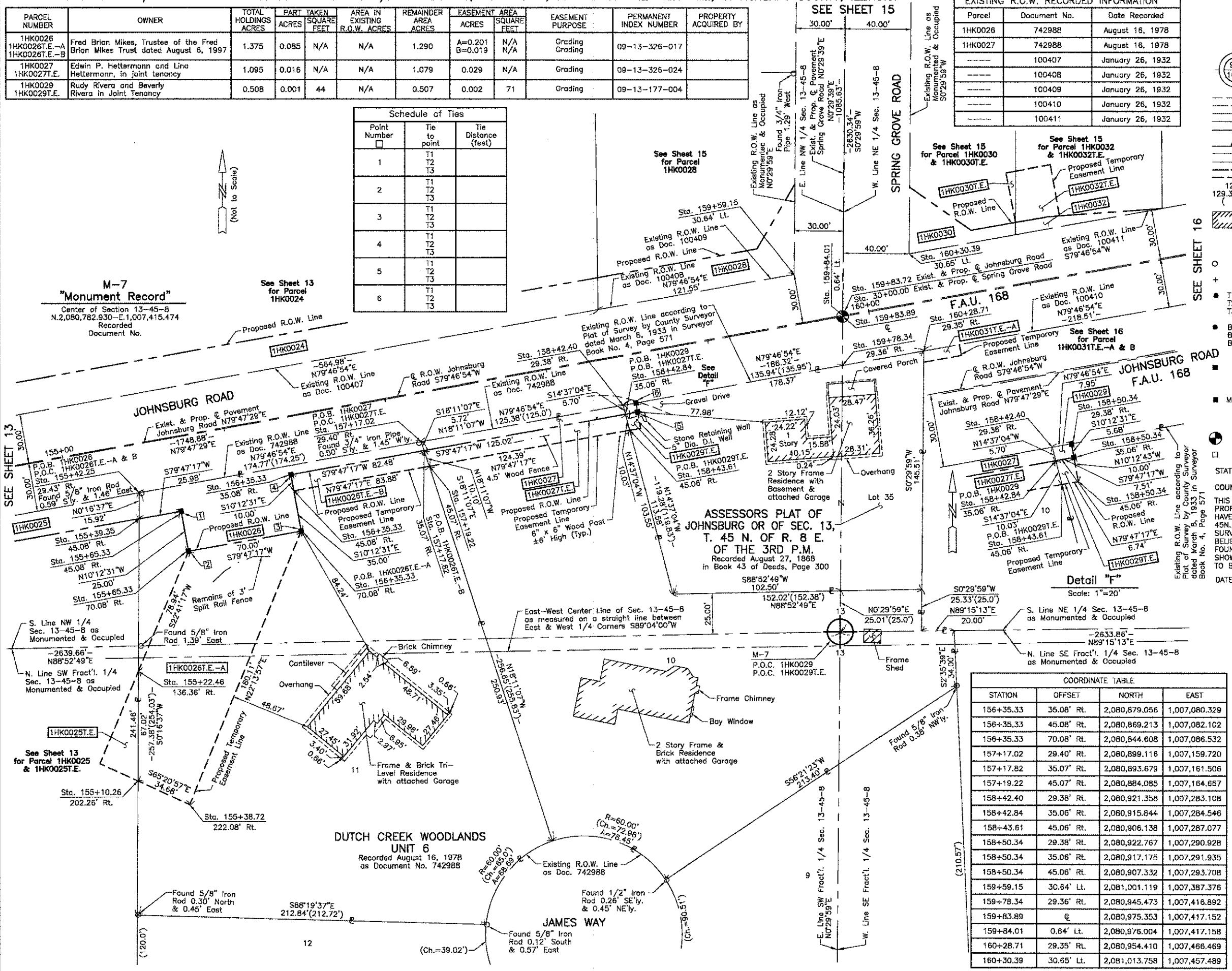
Point Number	Tie to point	Tie Distance (feet)
1	T1 T2 T3	
2	T1 T2 T3	
3	T1 T2 T3	
4	T1 T2 T3	
5	T1 T2 T3	
6	T1 T2 T3	

Parcel	Document No.	Date Recorded
1HK0026	742988	August 16, 1978
1HK0027	742988	August 16, 1978
100407	100407	January 26, 1932
100408	100408	January 26, 1932
100409	100409	January 26, 1932
100410	100410	January 26, 1932
100411	100411	January 26, 1932

LEGEND



**M-7
"Monument Record"**
Center of Section 13-45-8
N.2,080,782.930-E.1,007,415.474
Recorded
Document No.



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

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

STATE OF ILLINOIS }
COUNTY OF LAKE }SS

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

STATION	OFFSET	NORTH	EAST
155+10.26	202.26' Rt.	2,080,692.353	1,006,986.867
155+22.46	136.36' Rt.	2,080,759.370	1,006,987.191
155+38.72	222.08' Rt.	2,080,877.889	1,007,018.386
155+39.35	45.08' Rt.	2,080,852.197	1,006,987.640
155+42.25	29.43' Rt.	2,080,868.112	1,006,987.717
155+85.33	45.08' Rt.	2,080,856.803	1,007,013.208
155+85.33	70.08' Rt.	2,080,832.197	1,007,017.638

STATION	OFFSET	NORTH	EAST
156+35.33	35.08' Rt.	2,080,879.056	1,007,080.329
156+35.33	45.08' Rt.	2,080,869.213	1,007,082.102
156+35.33	70.08' Rt.	2,080,844.608	1,007,086.532
157+17.02	29.40' Rt.	2,080,899.118	1,007,159.720
157+17.82	35.07' Rt.	2,080,893.679	1,007,161.506
157+19.22	45.07' Rt.	2,080,884.085	1,007,164.657
158+42.40	29.38' Rt.	2,080,921.358	1,007,283.108
158+42.84	35.06' Rt.	2,080,915.844	1,007,284.546
158+43.61	45.06' Rt.	2,080,906.138	1,007,287.077
158+50.34	29.38' Rt.	2,080,922.767	1,007,290.928
158+50.34	35.06' Rt.	2,080,917.175	1,007,291.935
158+50.34	45.06' Rt.	2,080,907.332	1,007,293.708
159+59.15	30.64' Lt.	2,081,001.119	1,007,387.376
159+78.34	29.36' Rt.	2,080,945.473	1,007,416.892
159+83.89	□	2,080,975.353	1,007,417.152
159+84.01	0.64' Lt.	2,080,876.004	1,007,417.158
160+28.71	29.35' Rt.	2,080,954.410	1,007,466.469
160+30.39	30.65' Lt.	2,081,013.758	1,007,457.489

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

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

SECTION 05-00314-00-WR MCHENRY COUNTY
PROJECT JOB NO. R-91-005-06
STATION 30+00.00 TO STATION 32+00 (SPRING GROVE RD.)
STATION 155+00 TO STATION 162+00 (JOHNSBURG RD.)
SCALE: 1"=30'

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

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

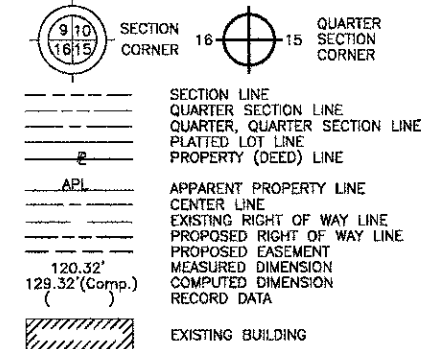
12/19/2012 2:42:46 PM
09/06/22 00:01:15:00
FILE NAME: 0822-10-11-11
PLOT DRIVER: stromer-d-trong-tb
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STATION	OFFSET	NORTH	EAST
32+22.34	40.19' Rt.	2,081,197.309	1,007,459.090
158+32.61	0.62' Lt.	2,080,949.146	1,007,268.159
158+37.61	30.62' Lt.	2,080,979.558	1,007,267.758
158+40.82	49.94' Lt.	2,080,999.146	1,007,267.499
159+39.57	49.95' Lt.	2,081,016.652	1,007,364.678
159+78.34	29.36' Rt.	2,080,945.473	1,007,416.892
159+83.89	0	2,080,975.353	1,007,417.152
159+84.01	0.64' Lt.	2,080,978.004	1,007,417.158
160+70.19	38.08' Lt.	2,081,028.130	1,007,495.336
160+91.00	0.66' Lt.	2,080,994.984	1,007,522.448
160+91.89	5.56' Lt.	2,080,999.969	1,007,522.452
160+96.43	30.66' Lt.	2,081,025.472	1,007,522.474
160+97.39	68.80' Lt.	2,081,063.182	1,007,516.663
160+97.77	38.08' Lt.	2,081,033.019	1,007,522.480
161+03.33	68.80' Lt.	2,081,064.235	1,007,522.508
161+17.79	37.91' Lt.	2,081,036.392	1,007,542.212
161+24.92	37.17' Lt.	2,081,036.926	1,007,549.362

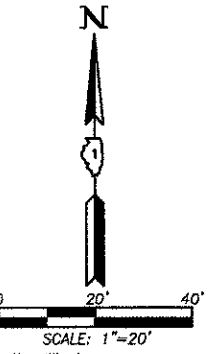
STATION	OFFSET	NORTH	EAST
161+24.92	68.80' Lt.	2,081,068.061	1,007,543.754
161+82.93	5.63' Lt.	2,081,016.167	1,007,612.042
161+87.31	30.67' Lt.	2,081,041.594	1,007,611.915

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

LEGEND



CONTRACT 63515
SHEET 77 OF 187



See Sheet 27 for Total Holdings Parcel 1HK0032 & 1HK0032T.E.

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

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

Parcel	Document No.	Date Recorded
1HK0028	100408	January 26, 1932
1HK0028	100409	January 26, 1932
1HK0032	100411	January 26, 1932
---	100407	January 26, 1932
---	100410	January 26, 1932
---	100412	January 26, 1932
---	742988	August 16, 1978

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.

○ IRON PIPE OR ROD FOUND ⊕ "MAG" NAIL SET
 + CUT CROSS FOUND OR SET ● 5/8" REBAR SET

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

● BT1 BT2 BT3 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

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

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

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

□ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
 COUNTY OF LAKE } SS

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

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

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

STATION	OFFSET	NORTH	EAST
30+25.54	29.83' Lt.	2,081,001.119	1,007,387.376
30+38.78	40.17' Rt.	2,081,013.758	1,007,457.489
30+79.38	0.18' Rt.	2,081,054.698	1,007,417.844
30+79.38	40.18' Rt.	2,081,054.349	1,007,457.843
30+80.72	0.18' Rt.	2,081,056.038	1,007,417.856
30+80.72	29.82' Lt.	2,081,056.300	1,007,387.857
31+48.77	29.81' Lt.	2,081,124.348	1,007,388.451
31+49.18	0.19' Rt.	2,081,124.499	1,007,418.453
32+14.88	0.19' Rt.	2,081,190.196	1,007,419.026

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

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

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

SECTION 05-00314-00-WR McHENRY COUNTY
 PROJECT JOB NO. R-91-005-06
 STATION 30+00.00 TO STATION 33+00 (SPRING GROVE RD.)
 STATION 158+00 TO STATION 162+00 (JOHNSBURG RD.)
 SCALE: 1"=20'

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

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT SQUARE FEET	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1HK0028	Harvey V. Palmer and Wanda G. Palmer, as Co-Trustees under Trust Agreement dated May 3, 2007 known as Trust No. 2007-1	0.559	0.204	0.141	0.355	N/A	N/A	N/A	09-13-176-009	
1HK0030	Anthony Molinaro and Carol Molinaro, husband and wife, and Clayton Chapman and Kelly Chapman, husband and wife, as joint tenants	0.545	0.140	0.114	0.405	0.002	91	Grading	09-13-252-035	
1HK0032	The LaVerne Stone and John Stone Joint Living Trust	1.236	0.062	0.052	1.174	0.017	N/A	Driveway Construction	09-13-252-012	

SEE SHEET 13
 SEE SHEET 14
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COMPANY NAME: JORGENSEN & ASSOCIATES, INC.
 PROJECT CONTACT: JORGENSEN & ASSOCIATES, INC.
 CLIENT: McHENRY COUNTY
 DATE PLOTTED: 08/06/2010 10:00 AM
 FILE NAME: 1000000000.dwg
 PLOT TABLE: 1000000000.tbl

22/9/2010 2:43:37 PM
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PART OF THE NORTH 1/2 OF SEC. 13, TWP. 45 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

Note: Surface Coordinates are Shown

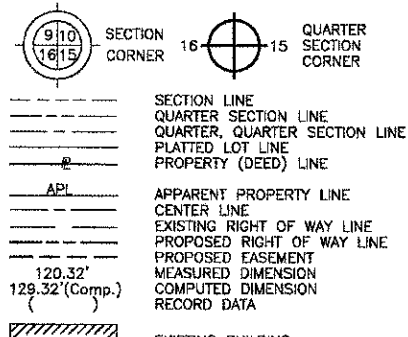
STATION	OFFSET	NORTH	EAST
159+59.15	30.64' Lt.	2,081,001.119	1,007,387.376
159+78.34	29.36' Rt.	2,080,945.473	1,007,416.892
159+84.01	0.64' Lt.	2,080,976.004	1,007,417.158
160+27.45	36.06' Rt.	2,080,947.589	1,007,466.409
160+28.71	29.35' Rt.	2,080,954.410	1,007,466.469
160+30.39	30.65' Lt.	2,081,013.758	1,007,457.489
160+35.31	5.52' Lt.	2,080,989.903	1,007,466.778
160+50.82	29.35' Rt.	2,080,958.331	1,007,488.226
160+50.82	36.06' Rt.	2,080,951.732	1,007,489.415
161+82.93	5.63' Lt.	2,081,016.167	1,007,612.042
161+87.31	30.67' Lt.	2,081,041.594	1,007,611.916
162+15.58	29.32' Rt.	2,080,987.559	1,007,650.370
162+15.58	51.04' Rt.	2,080,966.179	1,007,654.222
162+42.22	51.04' Rt.	2,080,970.902	1,007,680.441
162+47.23	29.32' Rt.	2,080,993.173	1,007,681.515

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

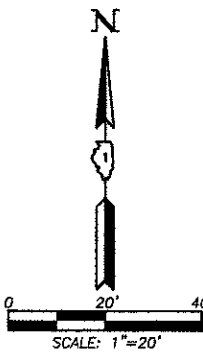
ASSESSORS PLAT OF JOHNSBURG OR OF SEC. 13, T. 45 N. OF R. 8 E. Recorded August 27, 1888 in Book 43 of Deeds, Page 300

Parcel	Document No.	Date Recorded
1FH0031	100410	January 26, 1932
1FH0034	100413	January 26, 1932
1FH0035	100412	January 26, 1932
---	100411	January 26, 1932

LEGEND



CONTRACT 63515 SHEET 78 OF 187



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

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

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

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

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1HK0031T.E.-A	Rose Letizia	1.087	N/A	N/A	1.087	A=0.004 B=0.015	152 N/A	Driveway Construction Grading	09-13-253-002
1HK0033T.E.	S. Jack Shull Living Trust dated October 22, 2003, a private living trust and/or Sheldon J. Shull individually	5.287	N/A	N/A	5.287	0.011	N/A	Driveway Construction	09-13-401-001
1HK0034T.E.	Clements G. Wirfs and Judith A. Wirfs, as tenants in common	1.678	N/A	N/A	1.678	0.005	208	Grading	09-13-253-025
1HK0035T.E.	Jeanette Degen, a single person never married	0.343	N/A	N/A	0.343	0.002	83	Driveway Construction	09-13-252-013

JORGENSEN & ASSOCIATES, INC.
 120 PARK AVENUE
 LAKE VILLA, ILLINOIS 60048
 (847) 356-3371

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.U. 168 (JOHNSBURG ROAD)
 SECTION 05-00314-00-WR McHENRY COUNTY
 PROJECT JOB NO. R-91-005-06
 STATION 159+00 TO STATION 164+00
 SCALE: 1"=20'

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

STATION	OFFSET	NORTH	EAST
162+55.29	5.68' Lt.	2,081,029.041	1,007,683.246
162+65.22	51.04' Rt.	2,080,974.979	1,007,703.072
162+66.77	44.31' Rt.	2,080,981.877	1,007,703.404
162+70.22	29.31' Rt.	2,080,997.252	1,007,704.146
162+77.27	29.31' Rt.	2,080,998.503	1,007,711.086
162+77.27	51.04' Rt.	2,080,977.117	1,007,714.938
162+78.28	5.69' Lt.	2,081,033.133	1,007,705.878
162+89.92	30.69' Lt.	2,081,059.796	1,007,712.894
162+89.92	35.96' Lt.	2,081,064.985	1,007,711.959
162+92.42	44.31' Rt.	2,080,986.428	1,007,728.653
162+95.88	29.31' Rt.	2,081,001.804	1,007,729.395
163+05.71	30.69' Lt.	2,081,062.597	1,007,728.435
163+05.71	35.96' Lt.	2,081,067.785	1,007,727.500
163+14.83	5.72' Lt.	2,081,039.652	1,007,741.936
163+19.42	30.70' Lt.	2,081,065.030	1,007,741.930

Existing & Proposed Pavement
 Johnsburg Road -
 E. Line NW 1/4 Sec. 13-45-8
 Sta. 159+83.89
 N.2,080,975.353-E.1,007,417.152

See Sheet 14
 P.O.C. 1HK0031T.E.-A
 P.O.C. 1HK0031T.E.-B
 P.O.C. 1HK0033T.E.
 P.O.C. 1HK0034T.E.
 P.O.C. 1HK0035T.E.

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

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT SQUARE FEET	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1HK0036T.E.-A 1HK0036T.E.-B	McHenry State Bank as Trustee under Trust Agreement dated March 12, 1996 known as Trust No. 13143	4.180	N/A	N/A	4.180	A=0.007 B=0.043	324 N/A	Grading Construction Purposes	09-13-253-007 09-13-253-008 09-13-253-009 09-13-253-010	
1HK0037T.E.	Edward G. Schullen as Trustee under the Declaration of Trust dated September 16, 1993 known as the Edward G. Schullen Living Trust	0.267	N/A	N/A	0.267	0.005	209	Construction Purposes	09-13-252-021	

Existing & Proposed Pavement
Johnsburg Road
Curve #3

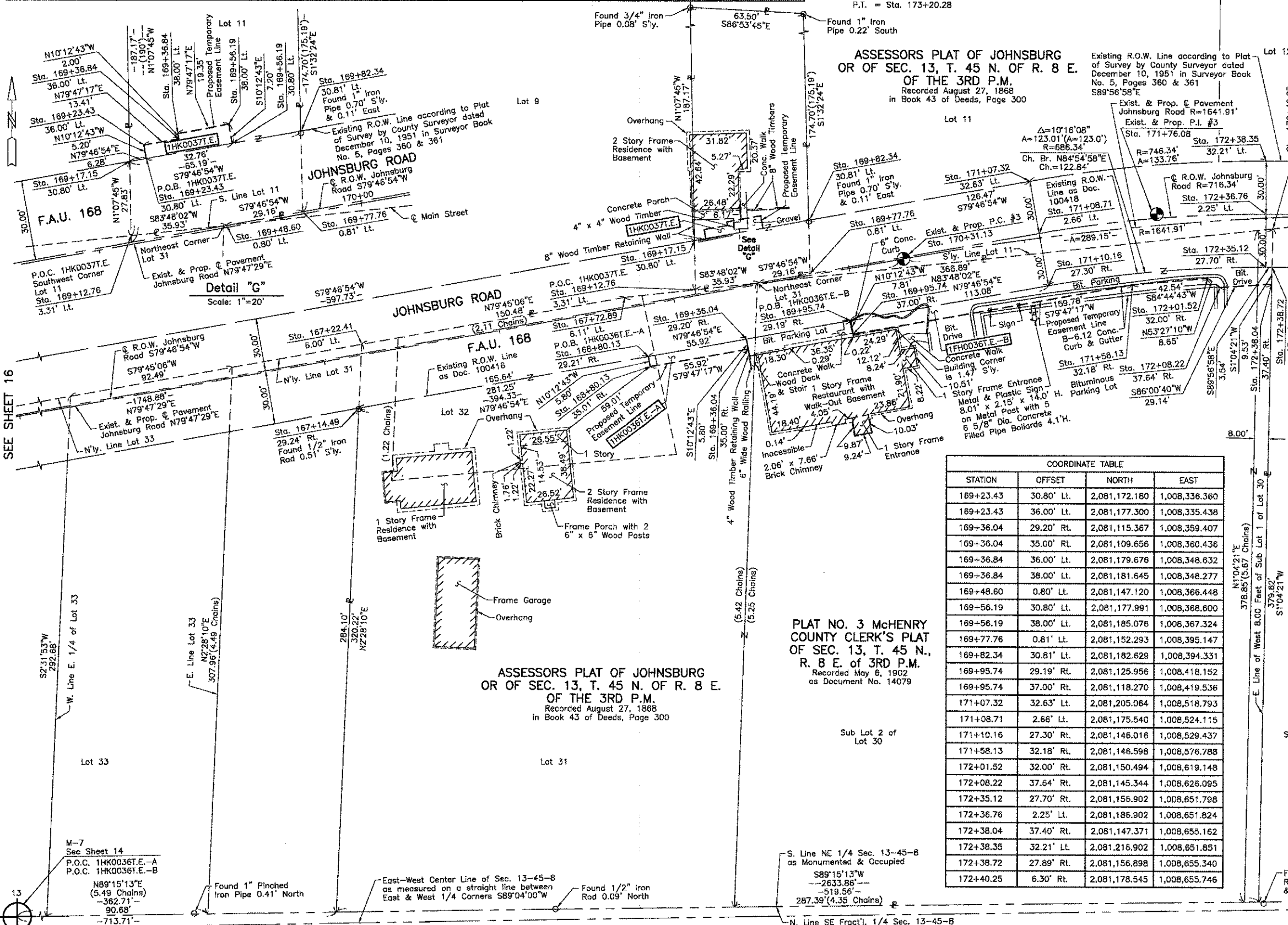
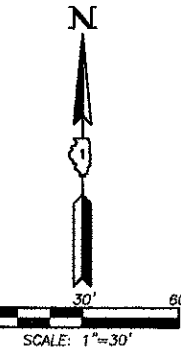
P.I. = Sta. 171+76.08
 Δ = 10°05'24"
 R = 1841.91'
 T = 144.95'
 L = 289.15'
 P.C. = Sta. 170+31.13
 P.T. = Sta. 173+20.28

EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
1HK0036	100416	January 26, 1932
1HK0036	100418	January 26, 1932

LEGEND

- SECTION CORNER 16
- QUARTER SECTION CORNER 15
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APL
- APPARENT PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DATA
- EXISTING BUILDING

CONTRACT 63515
SHEET 79 OF 187



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

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

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

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

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

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

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

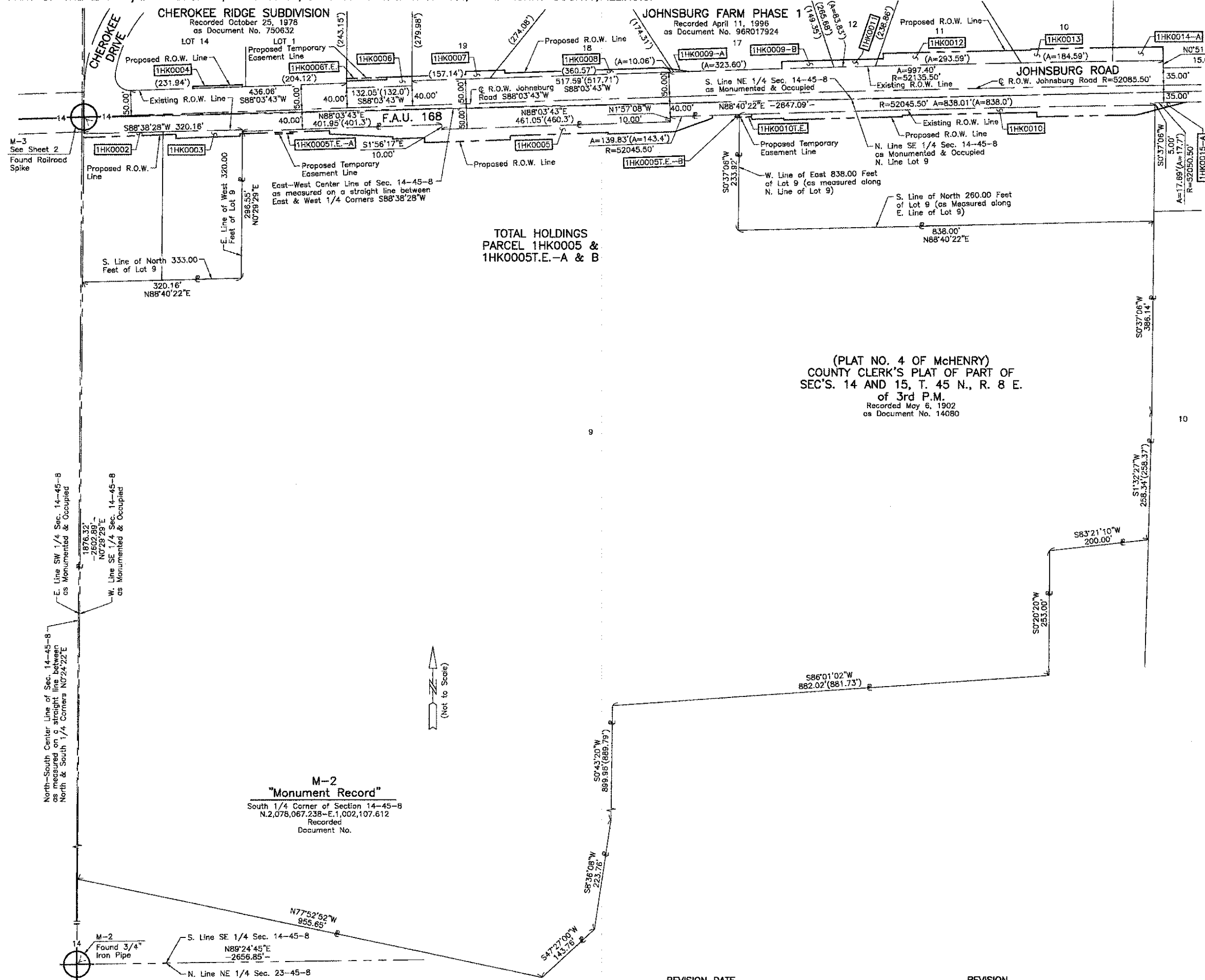
COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
167+14.49	29.24' Rt.	2,081,076.064	1,008,141.364
167+22.41	6.00' Lt.	2,081,112.151	1,008,142.921
168+72.89	6.11' Lt.	2,081,138.924	1,008,290.998
168+80.13	29.21' Rt.	2,081,105.448	1,008,304.378
168+80.13	35.01' Rt.	2,081,099.743	1,008,305.405
169+12.76	3.31'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

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

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

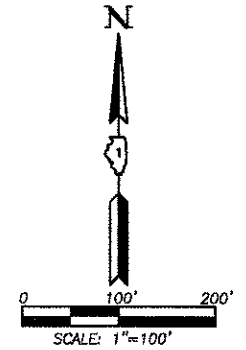
BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

M-7
 See Sheet 14
 P.O.C. 1HK0036T.E.-A
 P.O.C. 1HK0036T.E.-B
 N89°15'13"E
 (5.49 Chains)
 -362.71'
 90.68'
 -713.71'



LEGEND

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



(PLAT NO. 4 OF McHENRY)
COUNTY CLERK'S PLAT OF PART OF
SEC'S. 14 AND 15, T. 45 N., R. 8 E.
of 3rd P.M.
Recorded May 6, 1902
as Document No. 14080

**M-2
"Monument Record"**
South 1/4 Corner of Section 14-45-8
N.2,078,067.238-E.1,002,107.612
Recorded
Document No.

STATE OF ILLINOIS }
COUNTY OF LAKE }
THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 14, TOWNSHIP 45N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS. DATED AT LAKE VILLA, ILLINOIS THIS _____ DAY OF _____ 20____ A.D.

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

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 358-3371

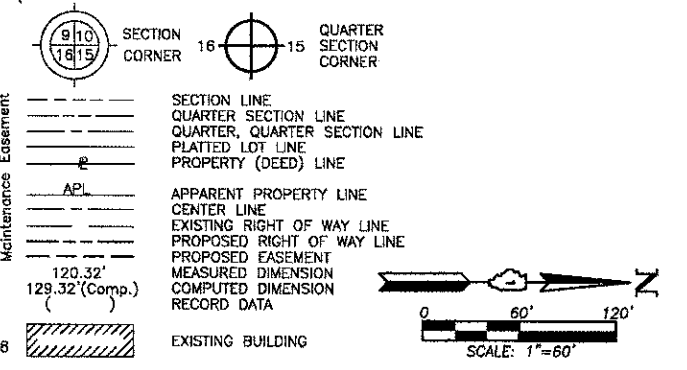
SHEET 1 IS A COVER
SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.U. 168 (JOHNSBURG ROAD)
SECTION 05-00314-00-WR McHENRY COUNTY
PROJECT JOB NO. R-91-005-06
STATION NONE TO STATION
SCALE: 1"=100'

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

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

LEGEND



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

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

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

DUTCH CREEK ESTATES
UNIT 1
Recorded July 19, 1991
as Document No. 91R027077
Corrected by Certificate of Correction
Recorded March 22, 1993
as Document No. 93R015061

TOTAL HOLDINGS
PARCEL 1HK0016

TOTAL HOLDINGS
PARCEL 1HK0018

DUTCH CREEK WOODLANDS
UNIT NO. 5
Recorded September 27, 1971
as Document No. 552063

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

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

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.U. 168 (JOHNSBURG ROAD)
SECTION 05-00314-00-WR McHENRY COUNTY
PROJECT JOB NO. R-91-005-06
STATION NONE TO STATION
SCALE: 1"=60'

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

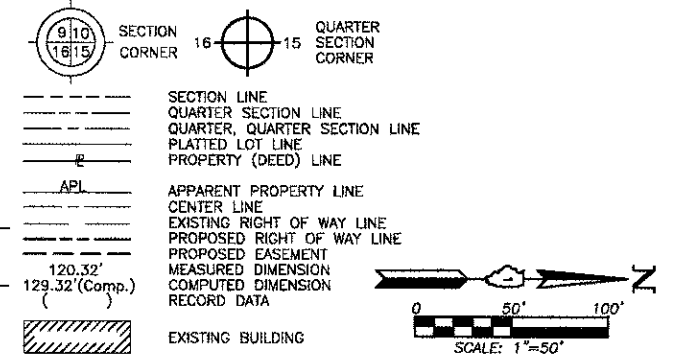
REVISION DATE REVISION MADE BY

COMPANY NAME: JORGENSEN & ASSOCIATES, INC.
PROJECT CONTACT: JORGENSEN & ASSOCIATES, INC.
CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION
DATE PLOTTED: 08/22/2012 2:42:02 PM
FILE NUMBER: 05-00314-00-WR
PER TABLE: STANDARD TRANSFER

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

REVISION DATE REVISION MADE BY

LEGEND



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

○ IRON PIPE OR ROD FOUND ⊕ "MAG" NAIL SET
 + CUT CROSS FOUND OR SET ● 5/8" REBAR SET

● T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 ● T2
 ● T3

● BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 ● BT2
 ● BT3

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

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

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

□ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
 COUNTY OF LAKE } SS

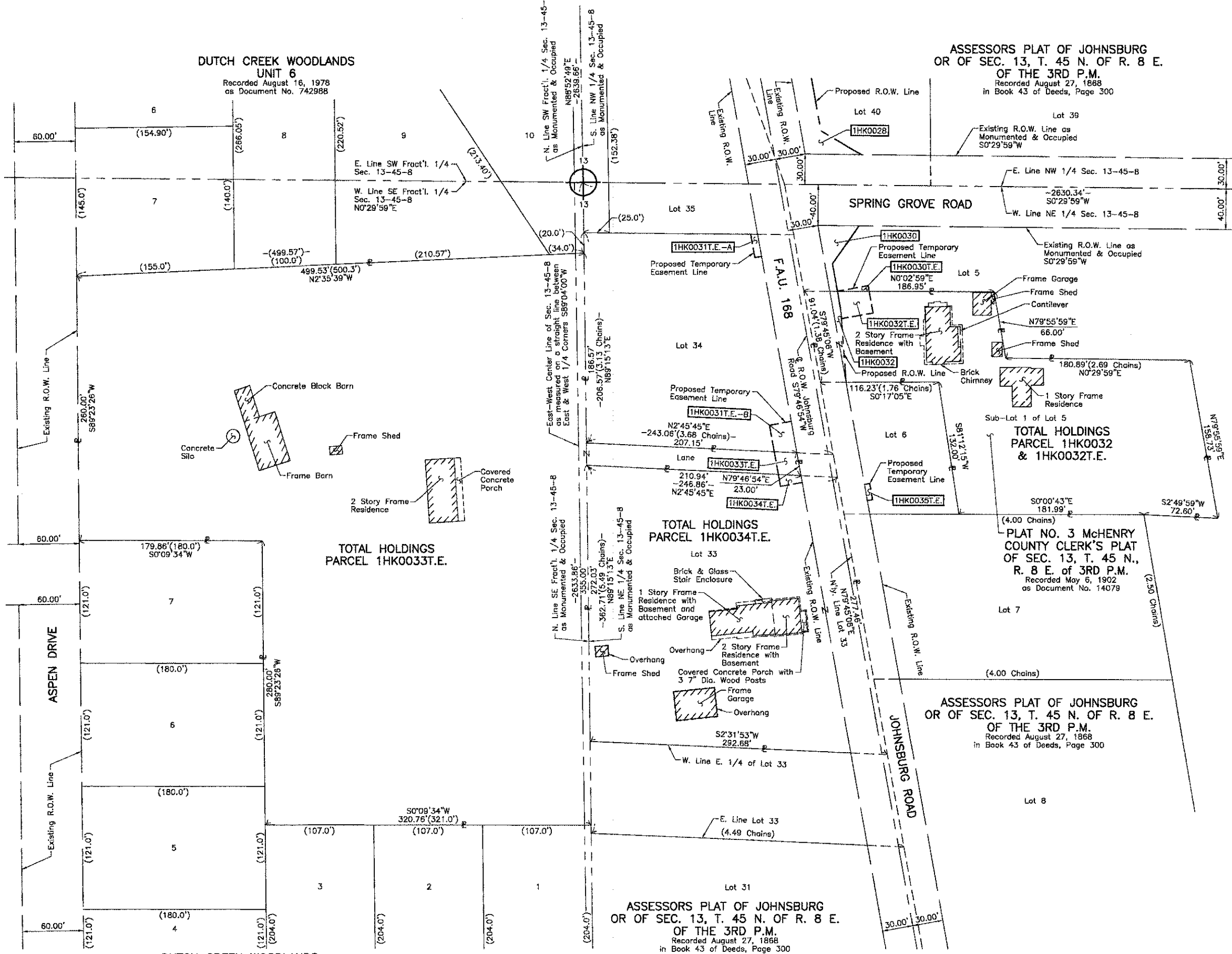
THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 13, TOWNSHIP 45N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE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

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

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

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.U. 168 (JOHNSBURG ROAD)
 SECTION 05-00314-00-WR McHENRY COUNTY
 PROJECT JOB NO. R-91-005-06
 STATION NONE TO STATION
 SCALE: 1"=50'

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



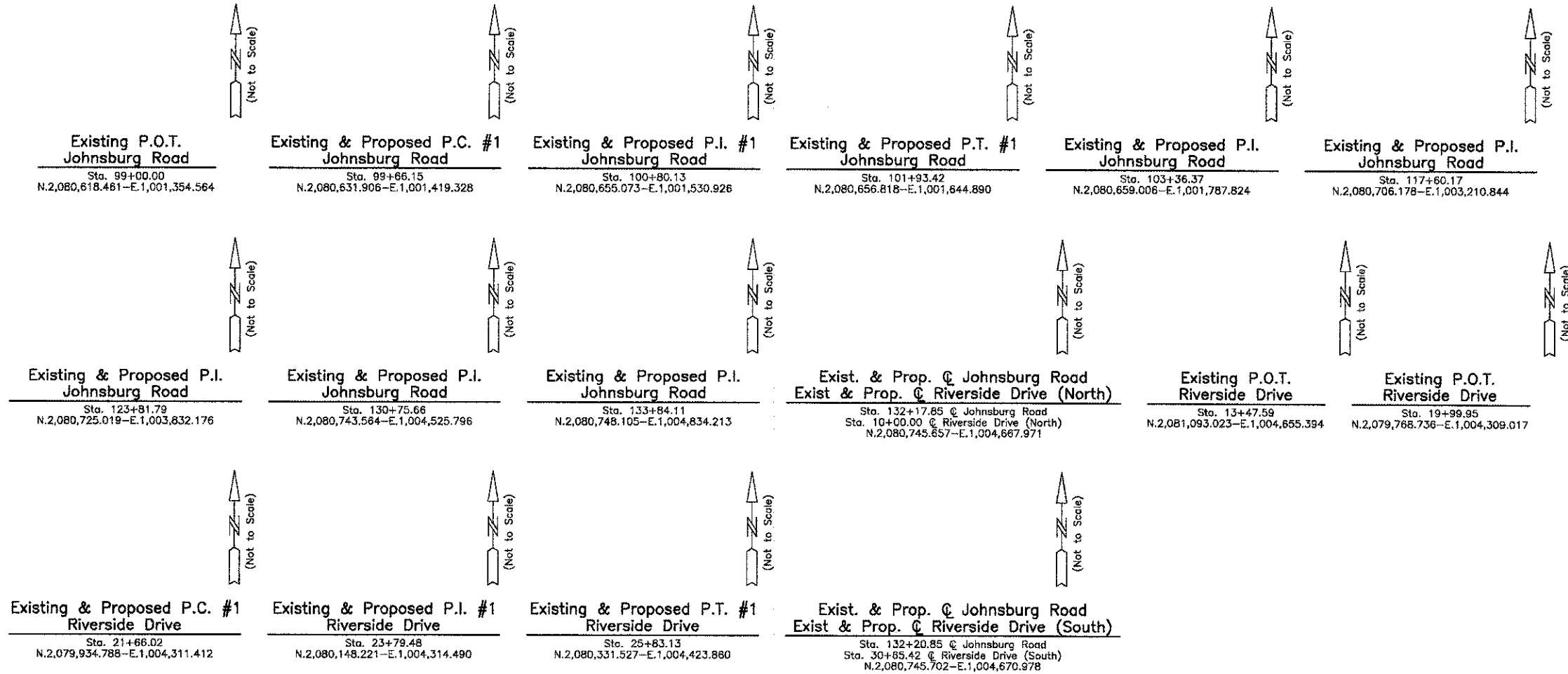
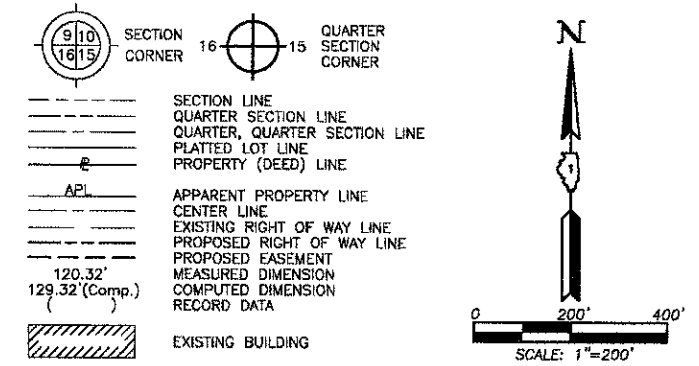
12/19/2012 2:46:45 PM
 CLIENT: JORGENSEN & ASSOCIATES, INC.
 FILE NAME: 05-00314-00-WR
 PLOT NUMBER: 83
 PLOT DESCRIPTION: ROUTE F.A.U. 168 (JOHNSBURG ROAD)
 PEN TABLE: STANDARD-CROSS.ABI

DUTCH CREEK WOODLANDS
 UNIT FOUR
 Recorded November 14, 1962
 as Document No. 409486

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

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

LEGEND



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

STATE OF ILLINOIS }
COUNTY OF LAKE }SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 13, TOWNSHIP 45N., RANGE 8E. AND SECTION 14, TOWNSHIP 45N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

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

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

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 358-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

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

SECTION 05-00314-00-WR McHENRY COUNTY
PROJECT JOB NO. R-91-005-06
STATION 10+00.00 TO STATION 13+47.59 (RIVERSIDE DR. NORTH)
STATION 19+99.95 TO STATION 30+65.42 (RIVERSIDE DR. SOUTH)
STATION 99+00.00 TO STATION 142+00 (JOHNSBURG RD.)
SCALE: 1"=200'

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

RECORDING: RECORDED ON _____ AS DOCUMENT NO. _____

Existing & Proposed C Pavement Johnsburg Road Curve #1

P.I.	= Sta. 100+80.13
Δ	= 10°51'03"
R	= 1200.07'
T	= 113.98'
L	= 227.27'
L.E.	= 5.40'
P.C.	= Sta. 99+66.15
P.T.	= Sta. 101+93.42

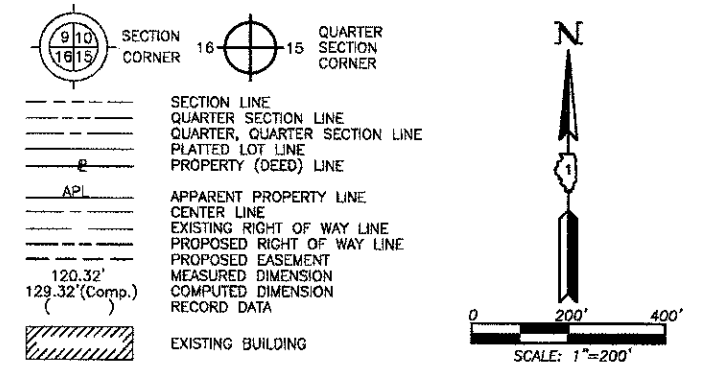
Existing & Proposed C Pavement Riverside Drive Curve #1

P.I.	= Sta. 23+79.48
Δ	= 29°59'46"
R	= 796.73'
T	= 213.46'
L	= 417.11'
E	= 28.10'
P.C.	= Sta. 21+66.02
P.T.	= Sta. 25+83.13

COMPANY NAME: JORGENSEN & ASSOCIATES, INC.
PROJECT CONTACT: JORGENSEN & ASSOCIATES, INC.
CLIENT: McHENRY COUNTY
DATE PLOTTED: 12/19/2012 2:49:36 PM
FILE NAME: 080622-p04-30.dgn
PLOT DRIVER: pdf-bw-no-bounds.ctb
PLOT TABLES: standard-trans.tbl

REVISION DATE _____ REVISION _____ MADE BY _____

LEGEND



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

STATE OF ILLINOIS }
COUNTY OF LAKE } SS

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

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

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

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

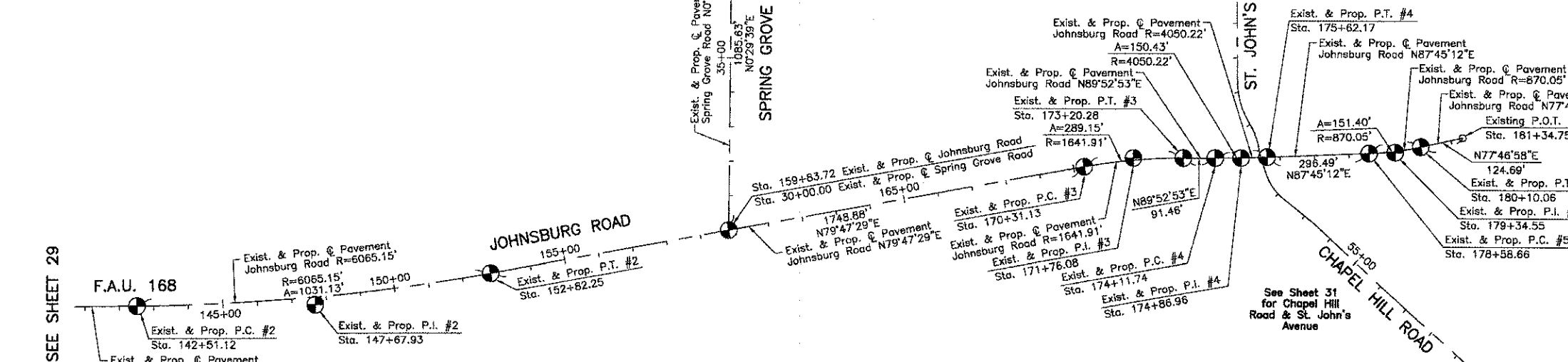
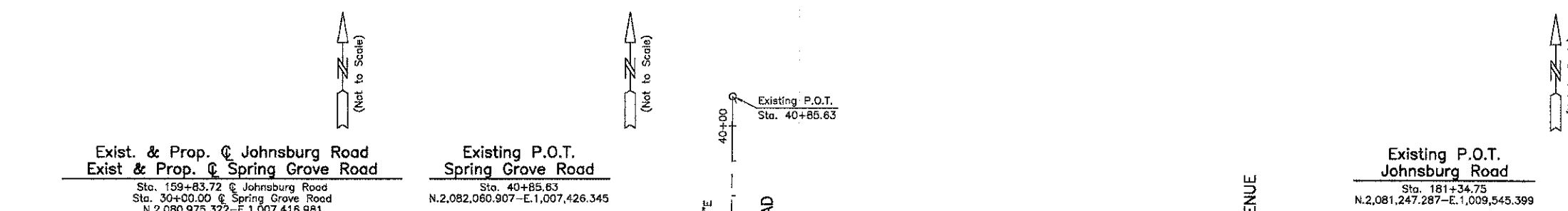
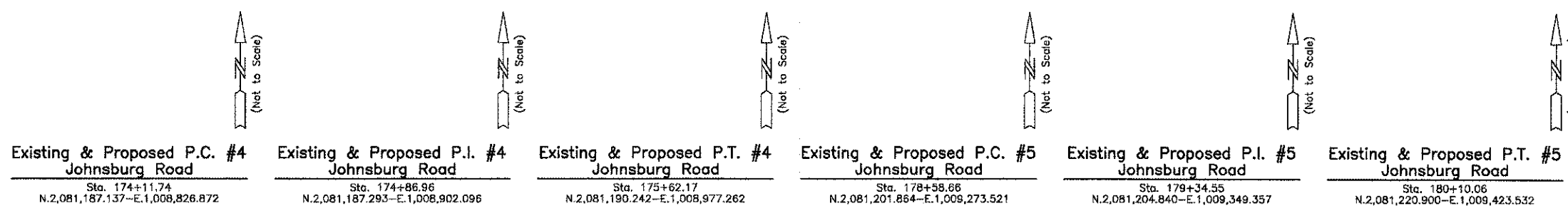
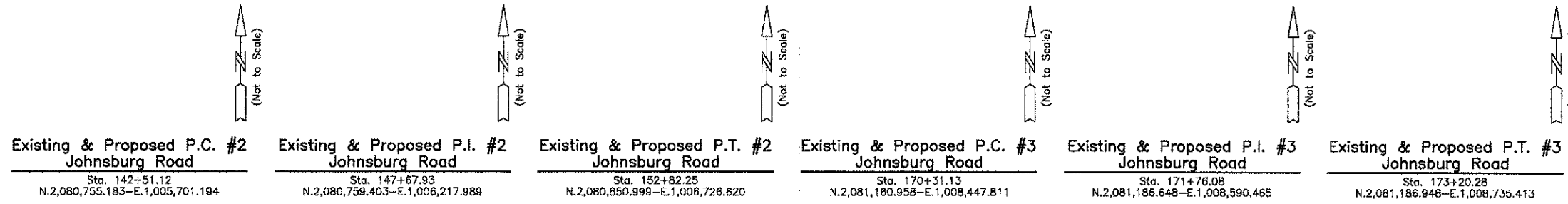
SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

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

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

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

AS DOCUMENT NO.



Existing & Proposed Pavement Johnsburg Road Curve #2

P.I.	= Sta. 147+67.93
Δ	= 9'44'27"
R	= 8065.15'
T	= 516.81'
L	= 1031.13'
E	= 21.98'
P.C.	= Sta. 142+51.12
P.T.	= Sta. 152+82.25

Existing & Proposed Pavement Johnsburg Road Curve #3

P.I.	= Sta. 171+75.08
Δ	= 10'05'24"
R	= 1641.91'
T	= 144.95'
L	= 289.15'
E	= 6.39'
P.C.	= Sta. 170+31.13
P.T.	= Sta. 173+20.28

Existing & Proposed Pavement Johnsburg Road Curve #4

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

Existing & Proposed Pavement Johnsburg Road Curve #5

P.I.	= Sta. 179+34.55
Δ	= 9'58'14"
R	= 870.05'
T	= 75.89'
L	= 151.40'
E	= 3.30'
P.C.	= Sta. 178+58.66
P.T.	= Sta. 180+10.06

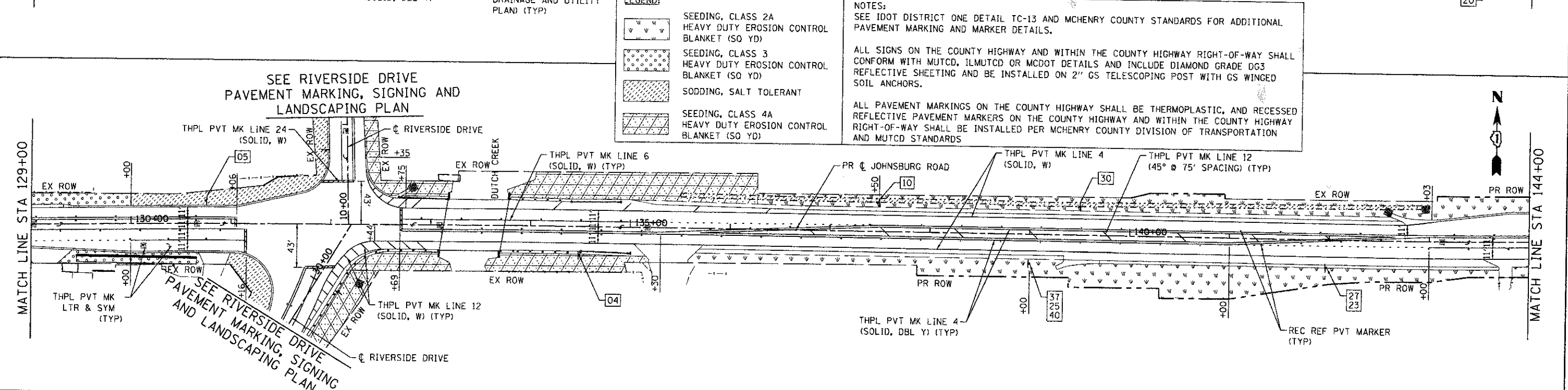
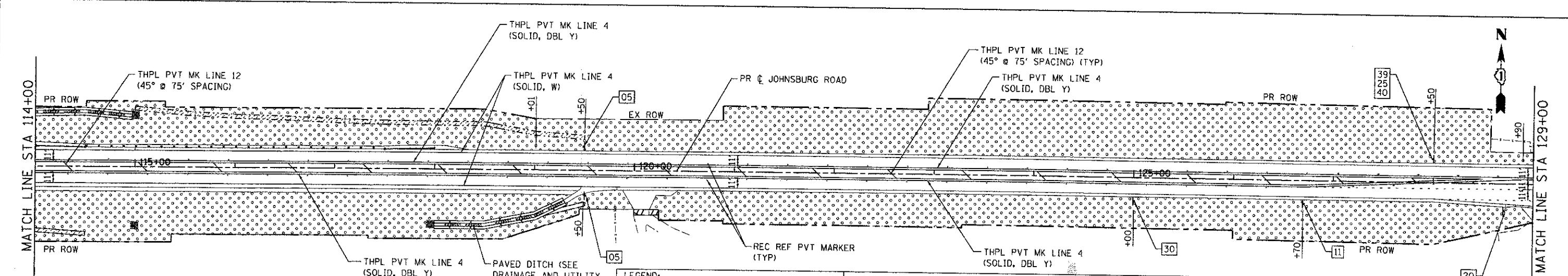
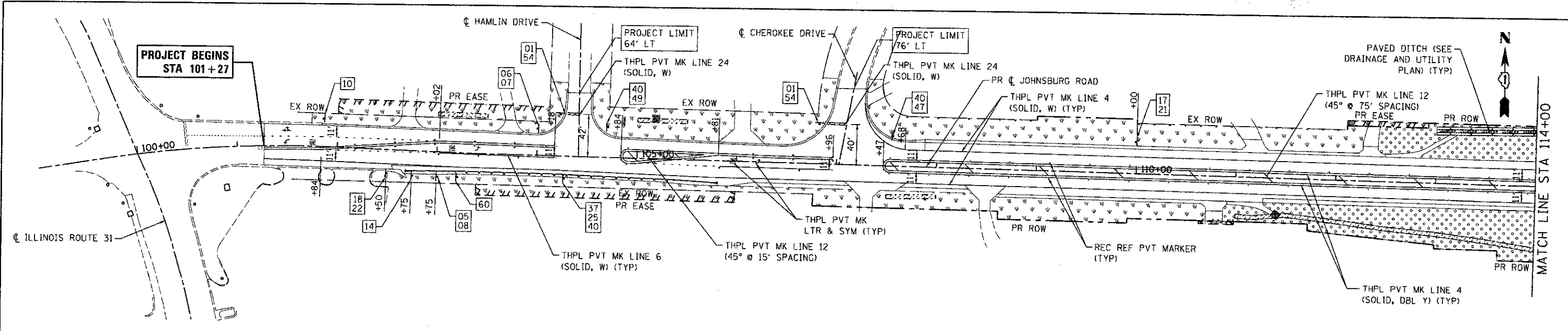
SEE SHEET 29

12/19/2012 2:50:24 PM
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PLOT DRIVER: standard-trans.tbl

REVISION DATE

REVISION

MADE BY



LEGEND:

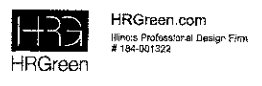
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	SEEDING, CLASS 3 HEAVY DUTY EROSION CONTROL BLANKET (50 YD)
	SODDING, SALT TOLERANT
	SEEDING, CLASS 4A HEAVY DUTY EROSION CONTROL BLANKET (50 YD)

NOTES:
 SEE IDOT DISTRICT ONE DETAIL TC-13 AND MCHENRY COUNTY STANDARDS FOR ADDITIONAL PAVEMENT MARKING AND MARKER DETAILS.
 ALL SIGNS ON THE COUNTY HIGHWAY AND WITHIN THE COUNTY HIGHWAY RIGHT-OF-WAY SHALL CONFORM WITH MUTCD, ILMUTCD OR MCDOT DETAILS AND INCLUDE DIAMOND GRADE DG3 REFLECTIVE SHEETING AND BE INSTALLED ON 2" GS TELESCOPING POST WITH GS WINGED SOIL ANCHORS.
 ALL PAVEMENT MARKINGS ON THE COUNTY HIGHWAY SHALL BE THERMOPLASTIC, AND RECESSED REFLECTIVE PAVEMENT MARKERS ON THE COUNTY HIGHWAY AND WITHIN THE COUNTY HIGHWAY RIGHT-OF-WAY SHALL BE INSTALLED PER MCHENRY COUNTY DIVISION OF TRANSPORTATION AND MUTCD STANDARDS

SEE RIVERSIDE DRIVE PAVEMENT MARKING, SIGNING AND LANDSCAPING PLAN

SEE RIVERSIDE DRIVE PAVEMENT MARKING, SIGNING AND LANDSCAPING PLAN

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 CLIENT: Illinois Professional Design Firm
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 PLOT NAME: 080622-pm-01.dgn
 PLOT DRIVER: pdf.dwg.pc_level0.ctb
 PEN TABLE: standard-1.ctb



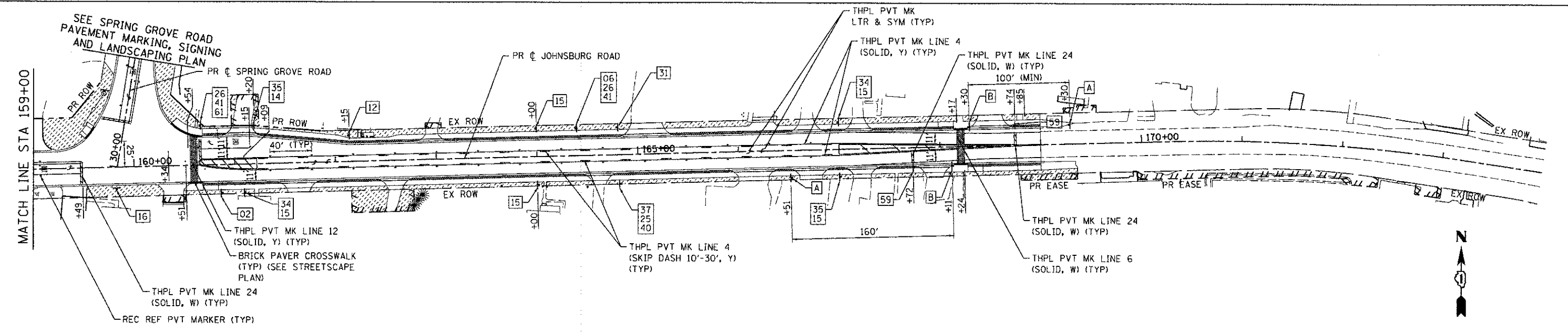
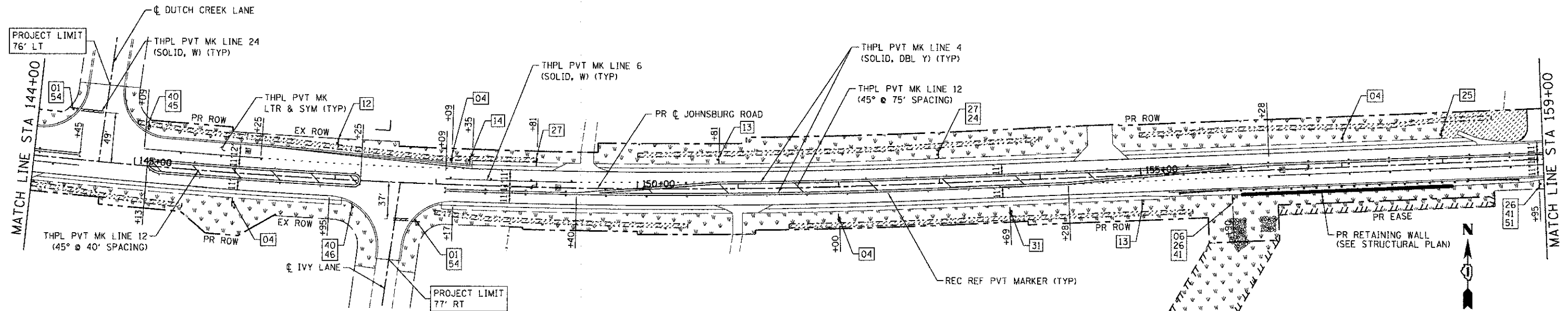
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FILE NAME = 080622-pm-01.dgn	DRAWN - SMP	REVISED -
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PLOT DATE = 12/19/2012	DATE - 12/19/12	REVISED -

**MCHENRY COUNTY
 DIVISION OF TRANSPORTATION**

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

F.A.U. RTE. 168	SECTION 05-00314-00-WR	COUNTY MCHENRY	TOTAL SHEETS 187	SHEET NO. 86
CONTRACT NO. 63515				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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



LEGEND:

- SEEDING, CLASS 2A
HEAVY DUTY EROSION CONTROL
BLANKET (SO YD)
- SEEDING, CLASS 3
HEAVY DUTY EROSION CONTROL
BLANKET (SO YD)
- SODDING, SALT TOLERANT
- SEEDING, CLASS 4A
HEAVY DUTY EROSION CONTROL
BLANKET (SO YD)

NOTES:

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

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

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

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: HRGreen
 DATE PLOTTED: 12/20/2012 09:59 AM
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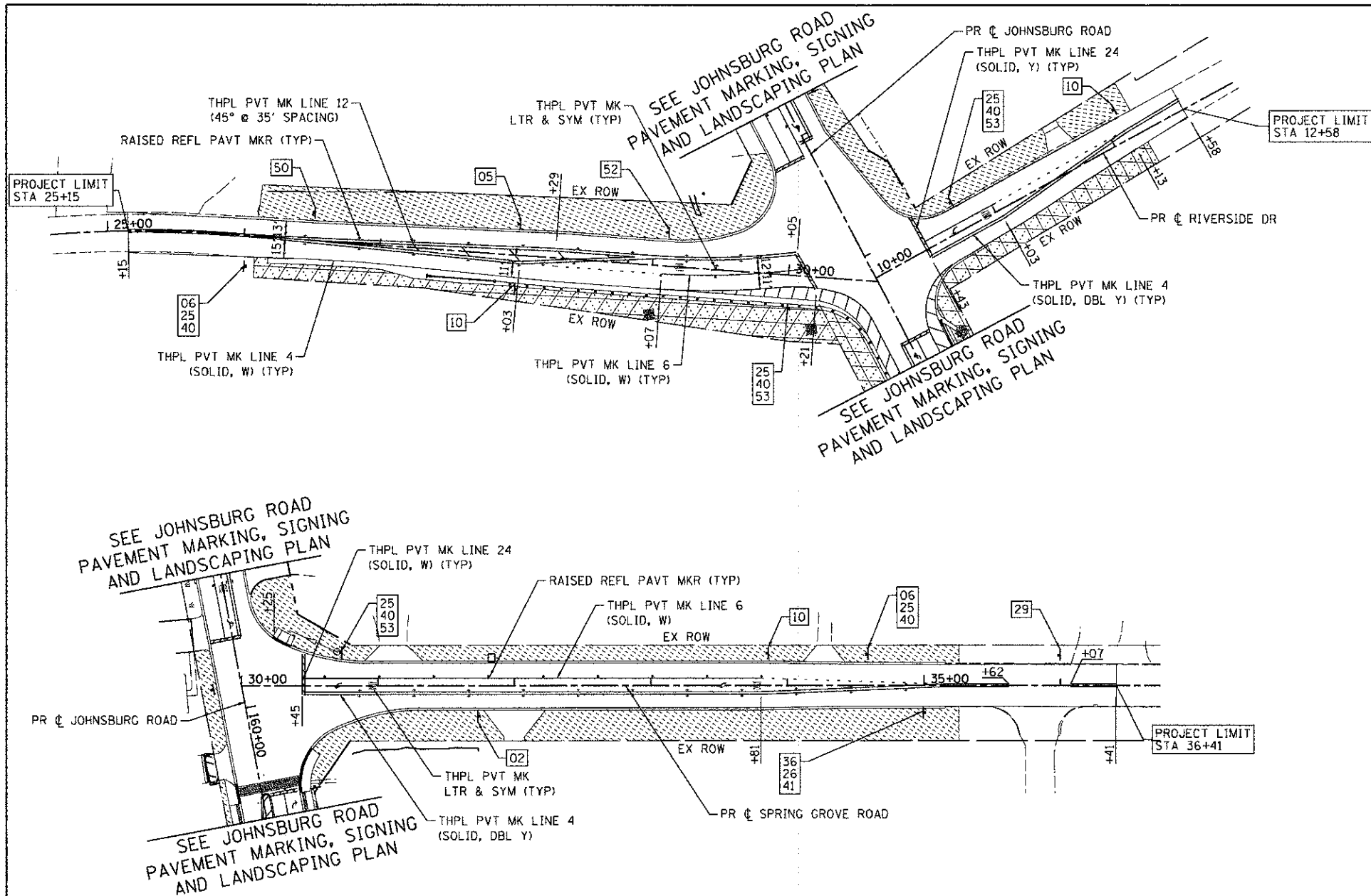


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FILE NAME = 080622-pm-02.dgn	DRAWN - SMP	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - TH	REVISED -
PLOT DATE = 12/20/2012	DATE - 12/19/12	REVISED -

**MCHENRY COUNTY
DIVISION OF TRANSPORTATION**

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

F.A.U. RTE. 168	SECTION 05-00314-00-WR	COUNTY MCHENRY	TOTAL SHEETS 187	SHEET NO. 87
SCALE: 1" = 50'		SHEET NO. 2 OF 4 SHEETS		CONTRACT NO. 63515
STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		



LEGEND:

	SEEDING, CLASS 2A HEAVY DUTY EROSION CONTROL BLANKET (SQ YD)
	SEEDING, CLASS 3 HEAVY DUTY EROSION CONTROL BLANKET (SQ YD)
	SODDING, SALT TOLERANT
	SEEDING, CLASS 4A HEAVY DUTY EROSION CONTROL BLANKET (SQ YD)

COMPANY NAME: HRGreen
 PROJECT CONTACT: jaltano
 DATE PLOTTED: 12/20/2012 8:05:48 AM
 FILE NAME: 000622-pm-03.dgn
 PLOT DRIVER: pdf_bw_no_levelshift9
 PEN TABLE: standard-trans.tbl



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FILE NAME = 000622-pm-03.dgn	DRAWN - SMP	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - TH	REVISED -
PLOT DATE = 12/20/2012	DATE - 12/19/12	REVISED -

**MCHENRY COUNTY
 DIVISION OF TRANSPORTATION**

**PAVEMENT MARKING, SIGNING AND LANDSCAPING PLAN
 RIVERSIDE DRIVE AND SPRING GROVE ROAD**

SCALE: 1" = 50' SHEET NO. 3 OF 4 SHEETS STA. TO STA.

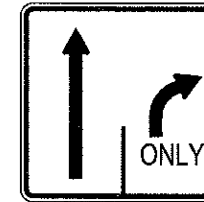
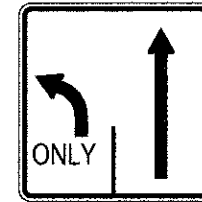
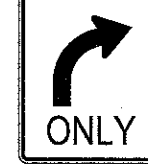
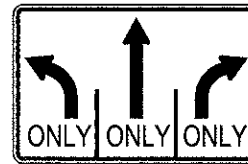
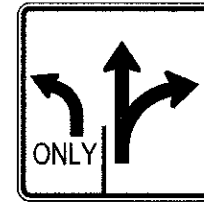
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	88
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 63515	



NOT USED



NOT USED



01 R1-1 36" X 36"

02 R2-1 30" X 36"

04 R2-1 30" X 36"

05 R2-1 30" X 36"

06 M2-1 21" X 15"

07 M1-1100 24" X 24"

08 R5-1101 24" X 30"

10 R3-8L 36" X 30"

11 R3-8b 48" X 30"

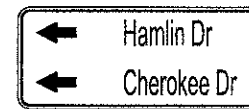
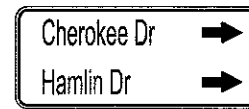
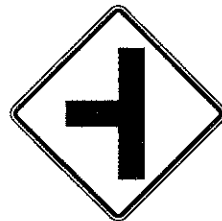
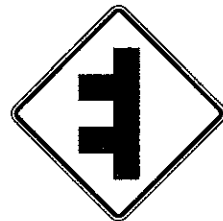
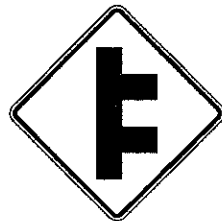
12 R3-5R 30" X 36"

13 R3-8L 36" X 30"

14 R3-8R 36" X 30"

15 R3-9b 24" X 36"

16 W1-7 60" X 30"



17 W2-8 36" X 36"

18 W2-8 36" X 36"

19 W2-2 36" X 36"

20 W11-10 36" X 36"

21 W16-8aP VARIES X 15"

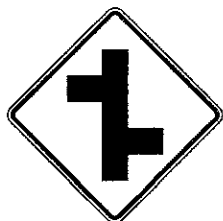
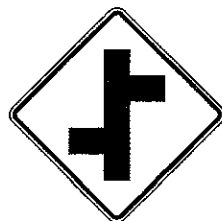
22 W16-8aP VARIES X 15"

23 W16-8aP VARIES X 15"

24 W16-8aP VARIES X 15"

25 M1-6 24" X 24"

26 M1-6 24" X 24"



NOT USED

NOT USED



NOT USED



27 W2-7L 36" X 36"

28 W2-7L 36" X 36"

29 CUSTOM 60" X 18"

30 CUSTOM 60" X 18"

31 CUSTOM 60" X 18"

32

33

34 R3-9cP 30" X 12"

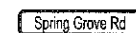
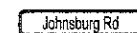
35 R3-9d 30" X 12"

36 M3-1 24" X 12"

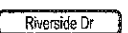
37 M3-2 24" X 12"

38

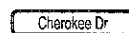
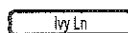
39 M3-4 24" X 12"



NOT USED



NOT USED



40 W17-1100 24" X 9"

41 W17-1100 24" X 9"

42

43 W17-1100 24" X 9"

44

45 W17-1100 24" X 9"

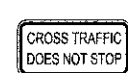
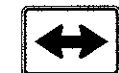
46 W17-1100 24" X 9"

47 W17-1100 24" X 9"

49 W17-1100 24" X 9"

50 W1-2L 36" X 36"

51 M6-1 21" X 15"



52 R4-1 24" X 30"

53 M6-4 21" X 15"

54 W4-4P 24" X 12"

55 W11-2 36" X 36"

56 W16-9p 24" X 12"

57 W16-7L 24" X 12"

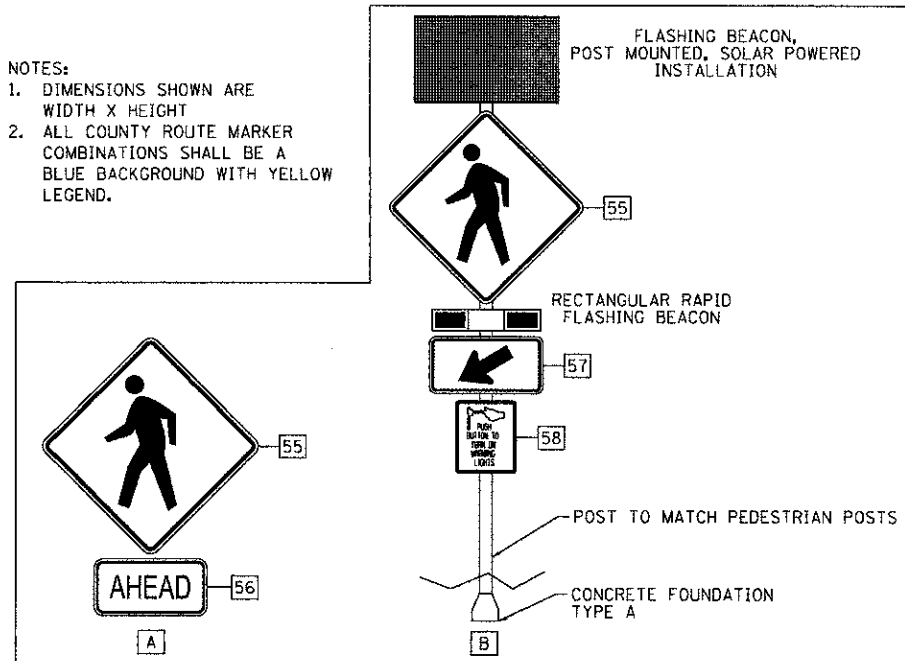
58 R10-25 9" X 12"

59 R1-5b 36" X 36"

60 CUSTOM 30" X 24"

61 M6-1 21" X 15"

NOTES:
1. DIMENSIONS SHOWN ARE WIDTH X HEIGHT
2. ALL COUNTY ROUTE MARKER COMBINATIONS SHALL BE A BLUE BACKGROUND WITH YELLOW LEGEND.



SIGN INSTALLATION DETAIL

COMPANY NAME: HRGreen
PROJECT CONTACT: jettone
DATE PLOTTED: 12/20/2012 08:54 AM
FILE NAME: 080822-gm-04.dgn
PLOT SCALE: N.T.S.
PLOT DRIVER: perf_har.ox.javaldrife@hrgreen.com
PEN TABLE: s.trans@hrgreen.com



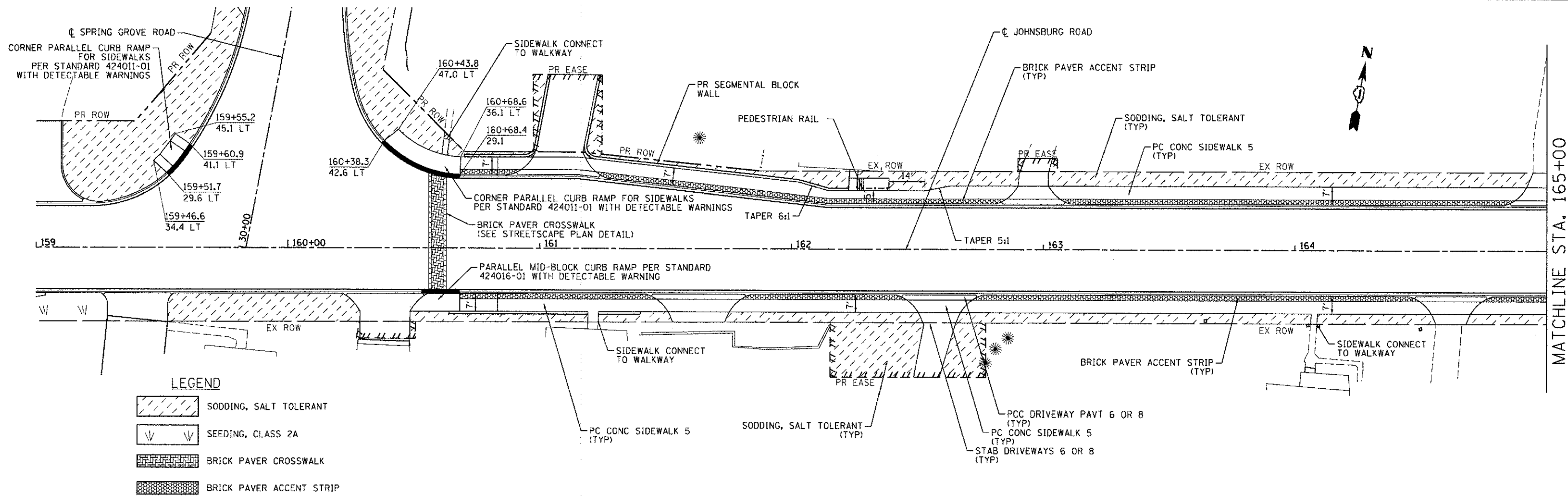
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PLOT SCALE = N.T.S.	CHECKED - TH	REVISED -
PLOT DATE = 12/20/2012	DATE = 12/19/12	REVISED -

MCHENRY COUNTY DIVISION OF TRANSPORTATION



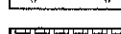
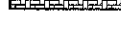
PAVEMENT MARKING, SIGNING AND LANDSCAPING PLAN SIGNING LEGEND

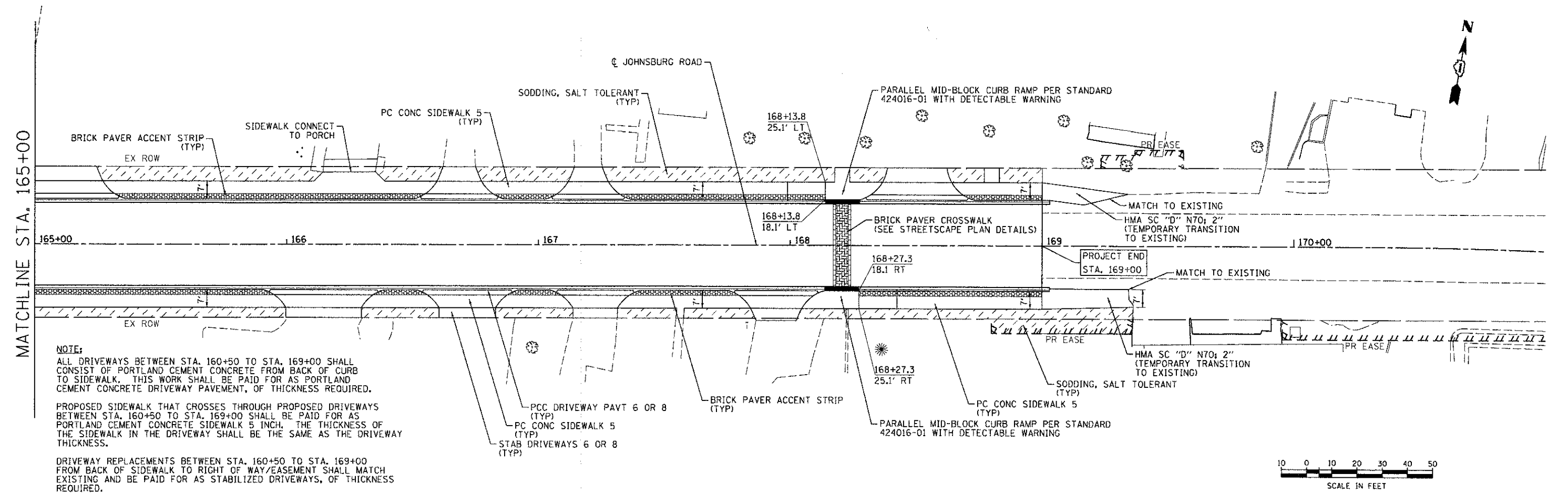
SCALE: N.T.S. SHEET NO. 4 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	89
FED. ROAD DIST. NO. ILLINOIS/FED. AID PROJECT			CONTRACT NO. 63515	



LEGEND

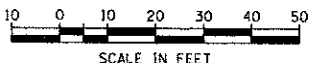
-  SODDING, SALT TOLERANT
-  SEEDING, CLASS 2A
-  BRICK PAVER CROSSWALK
-  BRICK PAVER ACCENT STRIP



NOTE:
 ALL DRIVEWAYS BETWEEN STA. 160+50 TO STA. 169+00 SHALL CONSIST OF PORTLAND CEMENT CONCRETE FROM BACK OF CURB TO SIDEWALK. THIS WORK SHALL BE PAID FOR AS PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, OF THICKNESS REQUIRED.

PROPOSED SIDEWALK THAT CROSSES THROUGH PROPOSED DRIVEWAYS BETWEEN STA. 160+50 TO STA. 169+00 SHALL BE PAID FOR AS PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH. THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY SHALL BE THE SAME AS THE DRIVEWAY THICKNESS.

DRIVEWAY REPLACEMENTS BETWEEN STA. 160+50 TO STA. 169+00 FROM BACK OF SIDEWALK TO RIGHT OF WAY/EASEMENT SHALL MATCH EXISTING AND BE PAID FOR AS STABILIZED DRIVEWAYS, OF THICKNESS REQUIRED.



COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 DATE PLOTTED: 12/29/2012 08:04 AM
 FILE NAME: 080622-sc-01.dgn
 PLOT DRIVER: pdfLaw.dwg,level,brctf9
 PEN TABLE: standard-trans.tbl

HRGreen
 HRGreen.com
 Illinois Professional Design Firm
 #194-001322

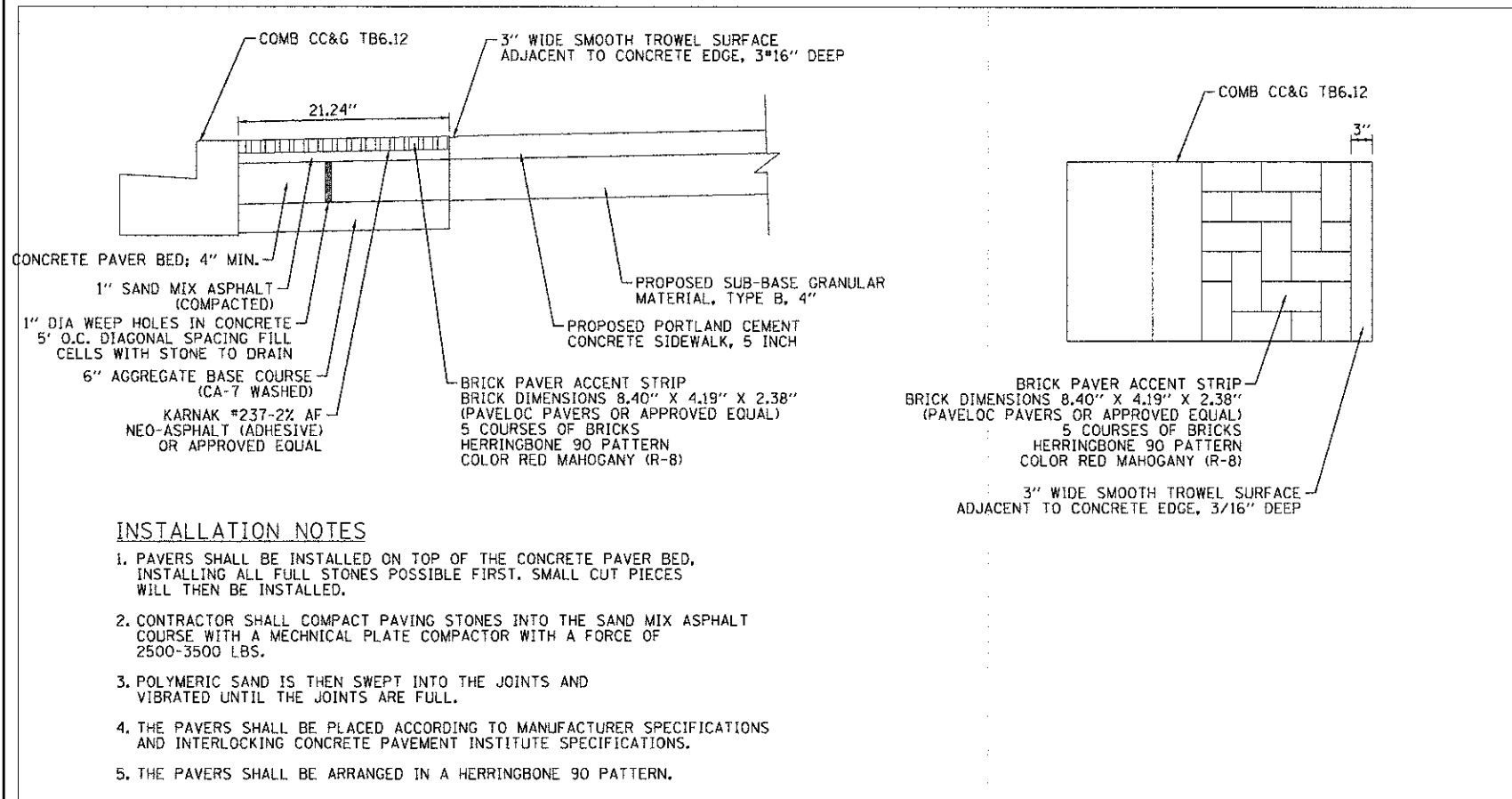
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PLOT DATE = 12/29/2012	DATE - 12/19/12	REVISED -

**MCHENRY COUNTY
 DIVISION OF TRANSPORTATION**

STREETSCAPE PLAN

SCALE: 1" = 20' SHEET NO. 1 OF 2 SHEETS STA. 159+00 TO STA. 171+00

F.A.U. RTE. 168	SECTION 05-00314-00-WR	COUNTY MCHENRY	TOTAL SHEETS 187	SHEET NO. 90
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63515	

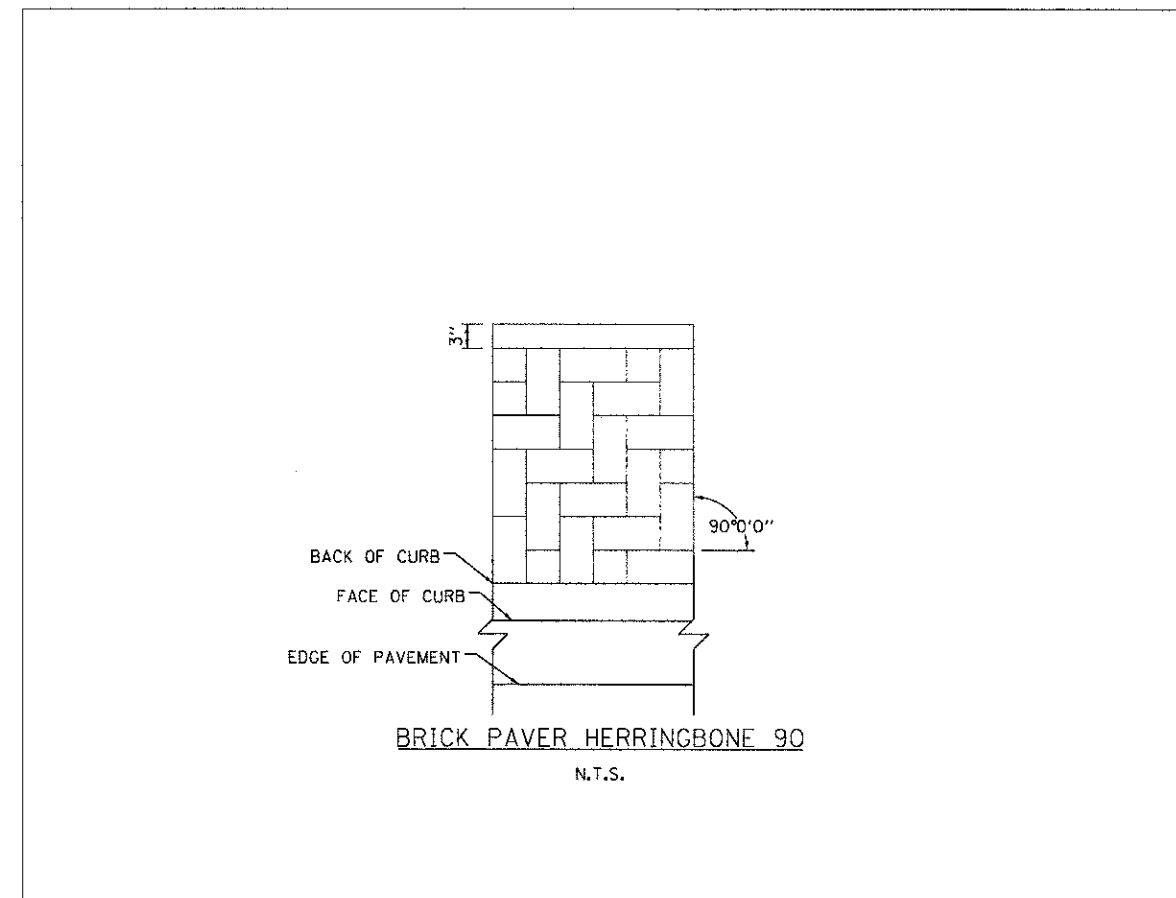
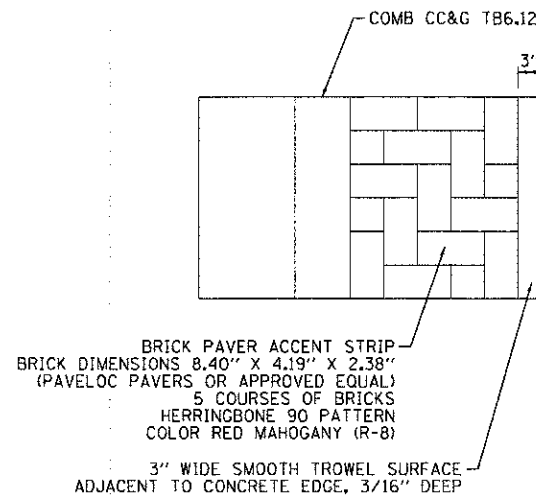


INSTALLATION NOTES

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

BRICK PAVER ACCENT STRIP

N.T.S.

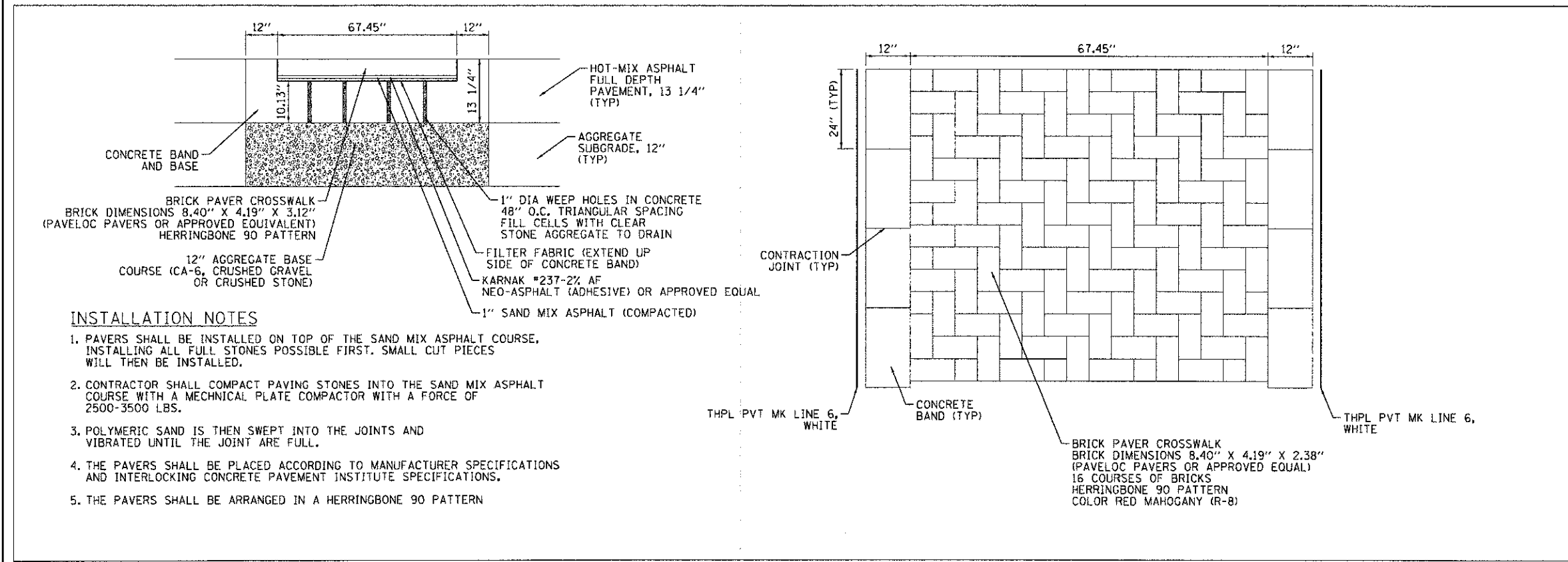


BRICK PAVER HERRINGBONE 90

N.T.S.

HERRINGBONE PATTERN DETAILS

N.T.S.



INSTALLATION NOTES

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

BRICK PAVER CROSSWALK

N.T.S.

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 PROJECT CONTACT: HRGreen.com
 CLIENT: Illinois Professional Design Firm
 DATE PLOTTED: 12/20/2012 8:06:14 AM
 FILE NAME: 000622-scp-05.dgn
 PLOT DATE: 12/20/2012
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HRGreen
 HRGreen.com
 Illinois Professional Design Firm
 #184-001-322

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MCHENRY COUNTY
DIVISION OF TRANSPORTATION

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
160	05-00314-00-WR	MCHENRY	187	91
CONTRACT NO. 63515				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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.)

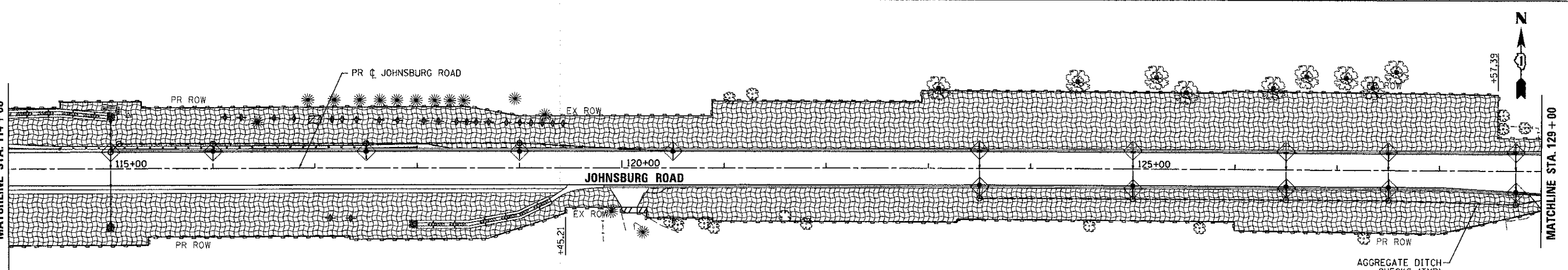
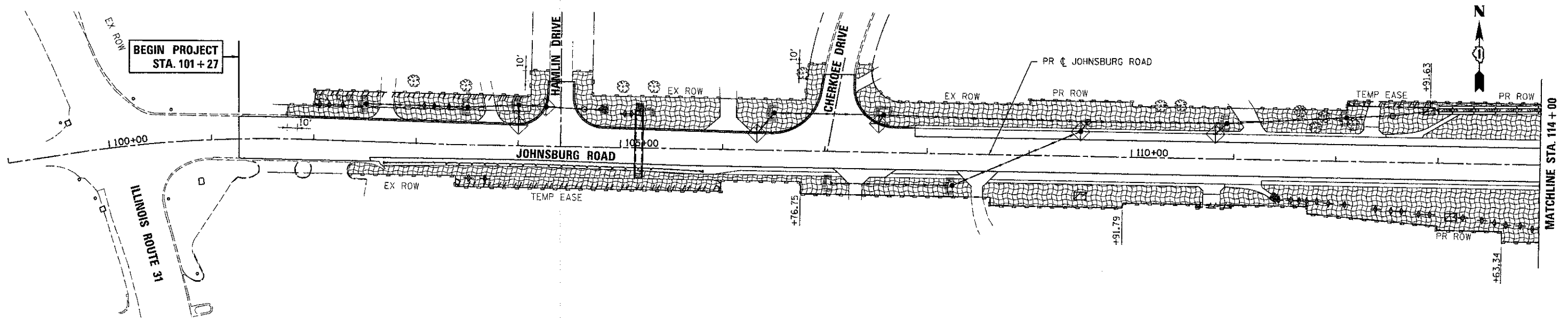
6. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO PROTECT WETLANDS TO REMAIN FROM DAMAGE BY SEDIMENT, CONSTRUCTION EQUIPMENT OR BY HIS WORK CREWS. THE CONTRACTOR SHALL ASSURE THAT DEBRIS OR ANY CONSTRUCTION MATERIAL IS NOT DISPOSED OF IN WETLANDS.
7. WATER PUMPED OR OTHERWISE DISCHARGED FROM THE SITE DURING CONSTRUCTION DEWATERING SHALL BE FILTERED.
8. WHEN TEMPORARY DRAINAGE IS ESTABLISHED, EROSION CONTROL MEASURES MAY BE REQUIRED BY THE ENGINEER.
9. GRAVEL ROADS, ACCESS DRIVES, PARKING AREAS OF SUFFICIENT WIDTH AND LENGTH, AND VEHICLE WASH 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.
10. 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.
11. 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.
12. 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.)

13. 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.
14. 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.
15. 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.
16. 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.
17. 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.
18. WHERE STREAM DISTURBANCE IS NECESSARY, THE STREAM INCLUDING THE BED AND BANKS, SHALL BE STABILIZED WITHIN FORTY-EIGHT (48) HOURS AFTER DISTURBANCE IS COMPLETED OR INTERRUPTED.

LEGEND

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



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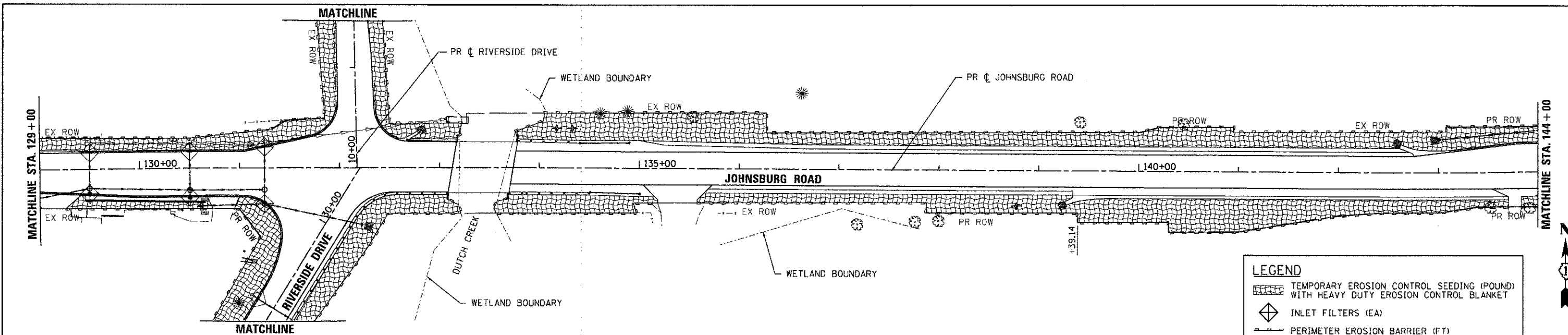
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MCHENRY COUNTY
DIVISION OF TRANSPORTATION

EROSION CONTROL PLAN
JOHNSBURG ROAD

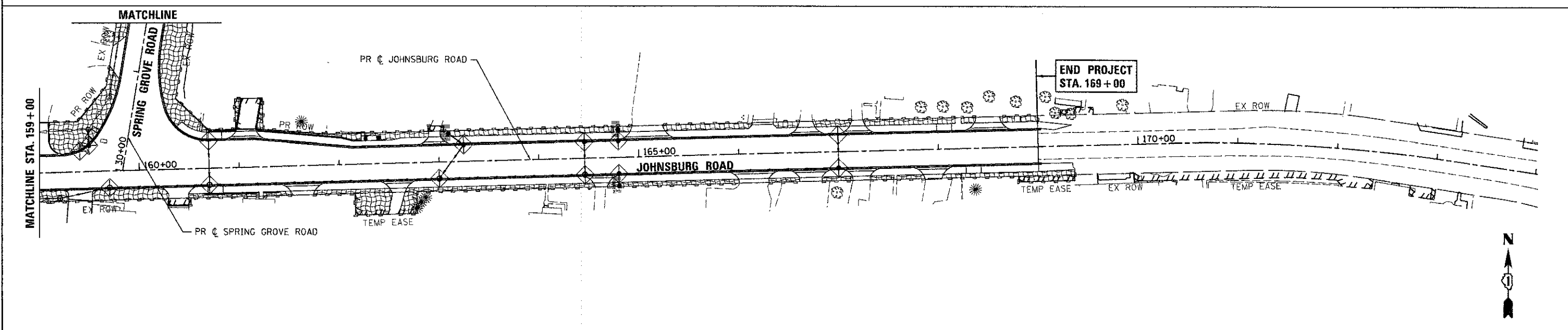
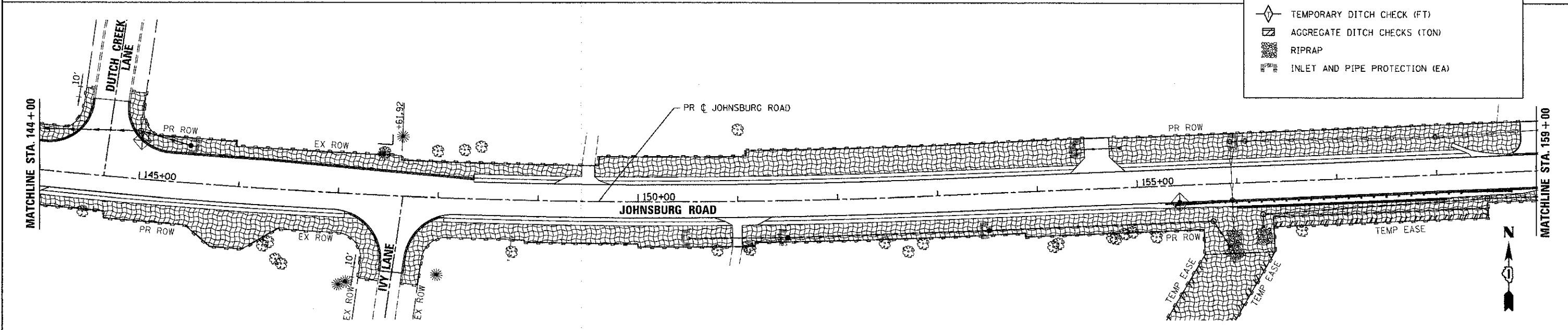
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	92
CONTRACT NO. 63515				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



LEGEND

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



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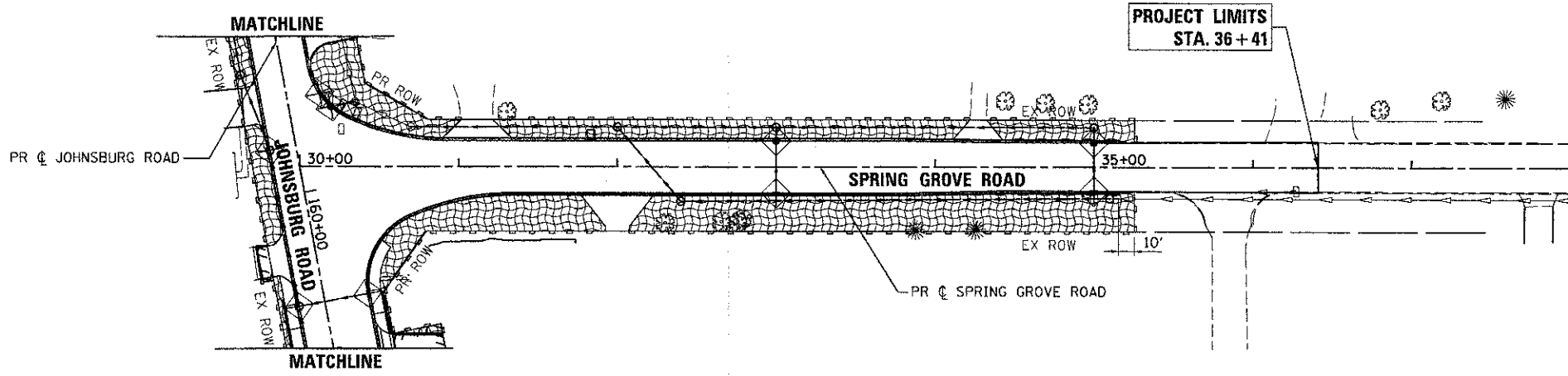
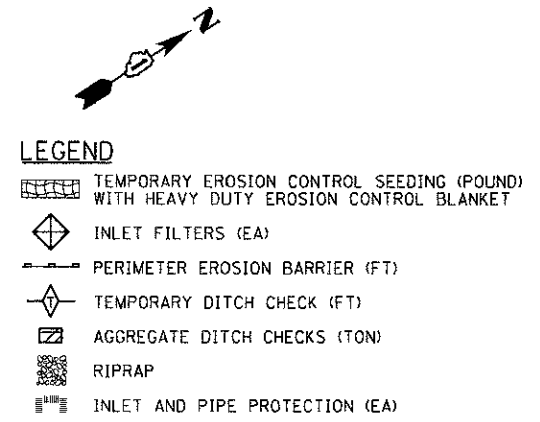
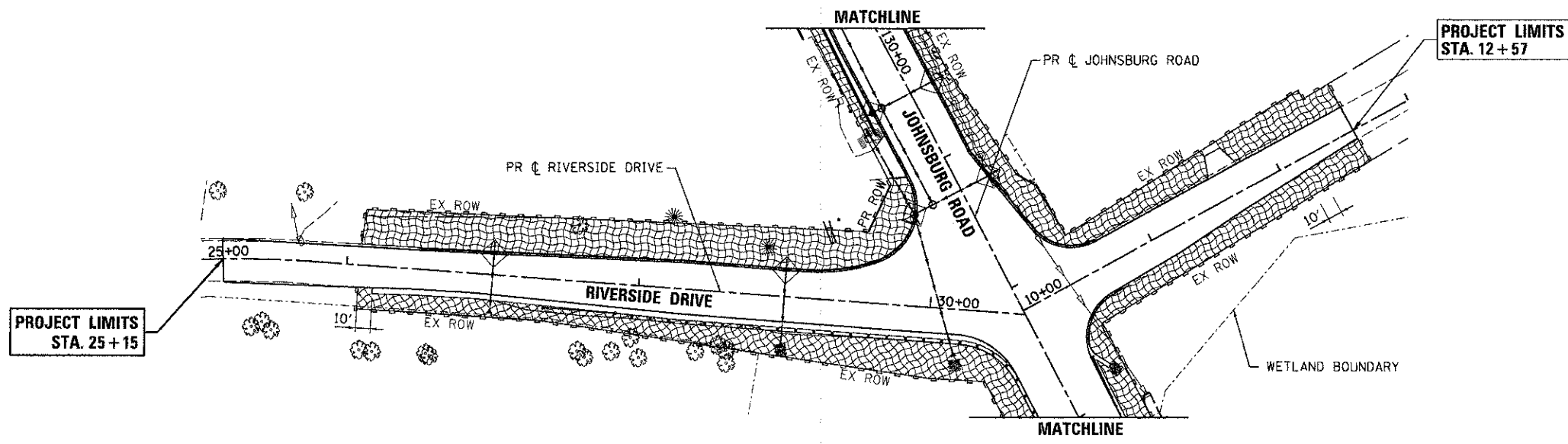
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**MCHENRY COUNTY
 DIVISION OF TRANSPORTATION**

**EROSION CONTROL PLAN
 JOHNSBURG ROAD**

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

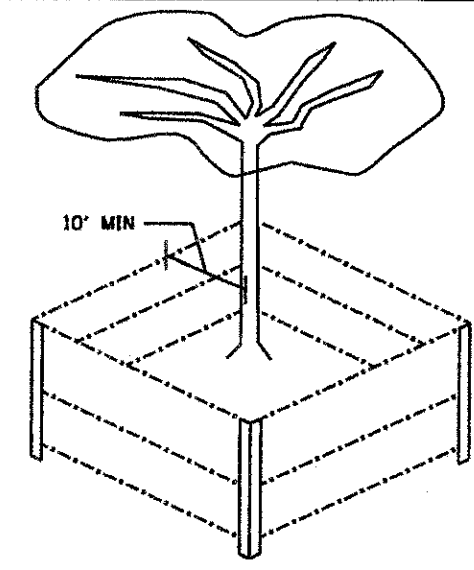
P.A.U. RTE. 168	SECTION 05-00314-00-WR	COUNTY MCHENRY	TOTAL SHEETS 187	SHEET NO. 93
CONTRACT NO. 63515				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



MCHENRY COUNTY STORMWATER PERMIT REQUIREMENTS:

1. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. AREAS OF THE DEVELOPMENT SITE THAT ARE NOT TO BE GRADED SHALL BE PROTECTED FROM CONSTRUCTION TRAFFIC OR OTHER DISTURBANCE UNTIL FINAL SEEDING IS PERFORMED.
2. PROPERTIES AND CHANNELS ADJOINING THE DEVELOPMENT SITE SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION.
3. SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.
4. DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) CALENDAR DAYS FOLLOWING THE END OF ACTIVE HYDROLOGIC DISTURBANCE.
5. ALL STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN APPROPRIATE SEDIMENT CONTROL MEASURE.
6. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. DISCHARGES SHALL BE ROUTED THROUGH AN EFFECTIVE SEDIMENT CONTROL MEASURE (E.G., SEDIMENT TRAP, SEDIMENT BASIN, OR OTHER APPROPRIATE MEASURES).
7. ALL TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED. TRAPPED SEDIMENT AND OTHER DISTURBED SOIL AREAS SHALL BE PERMANENTLY STABILIZED.

8. A STABILIZED MAT OF AGGREGATE UNDERLAIN WITH FILTER CLOTH (OR OTHER APPROPRIATE MEASURES) SHALL BE LOCATED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION-SITE OF A MAJOR DEVELOPMENT TO OR FROM A PUBLIC RIGHT-OF-WAY, STREET ALLEY, OR PARKING AREA. ANY SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT OF WAY, STREET, ALLEY OR PARKING AREA SHALL BE SCRAPED OR STREET CLEANED AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
9. SOIL STOCKPILES SHALL NOT BE LOCATED IN A FLOOD-PRONE AREA OR A DESIGNATED BUFFER PROTECTING WATERS OF THE UNITED STATES OR ISOLATED WATERS OF MCHENRY COUNTY.
10. THE CONTRACTOR SHALL PROVIDE ADEQUATE RECEPTACLES FOR THE DESPOSITION OF ALL CONSTRUCTION MATERIAL DEBRIS GENERATED DURING THE DEVELOPMENT PROCESS. THE CONTRACTOR SHALL NOT CAUSE OR PERMIT THE DUMPING, DEPOSITING, DROPPING, THROWING, DISCARDING OR LEAVING OF CONSTRUCTION MATERIAL DEBRIS UPON OR INTO ANY DEVELOPMENT SITE CHANNEL, WATERS OF THE U.S. OR ISOLATED WATERS OF MCHENRY COUNTY. THE CONTRACTOR SHALL MAINTAIN THE DEVELOPMENT SITE FREE OF CONSTRUCTION MATERIAL DEBRIS.
11. ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED IN AN EFFECTIVE WORKING CONDITION.
12. DRAIN TILE SYSTEMS DISTURBED DURING DEVELOPMENT MUST BE RECONNECTED BY THOSE RESPONSIBLE FOR THEIR DISTURBANCE UNLESS THE APPROVED ENGINEERING PLANS INDICATE HOW THE DRAIN TILE SYSTEM IS TO BE CONNECTED TO THE PROPOSED STORMWATER MANAGEMENT SYSTEM. ALL ABANDONED DRAIN TILES SHALL BE REMOVED IN THEIR ENTIRETY.



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 CLIENT: HRGreen.com
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HRGreen.com
 HRGreen's Professional Design Firm
 # 184-001322

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**MCHENRY COUNTY
DIVISION OF TRANSPORTATION**

**EROSION CONTROL PLAN
RIVERSIDE DRIVE AND SPRING GROVE ROAD**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	94
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

CONTRACT NO. 63515

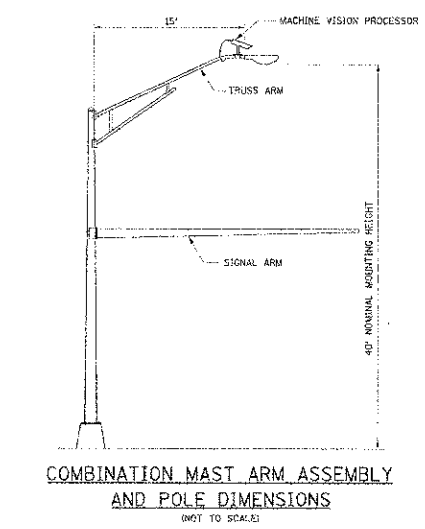
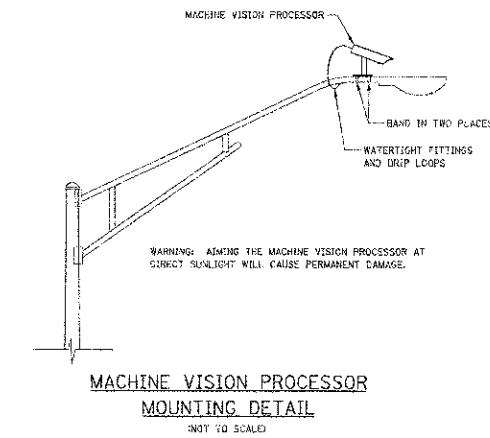
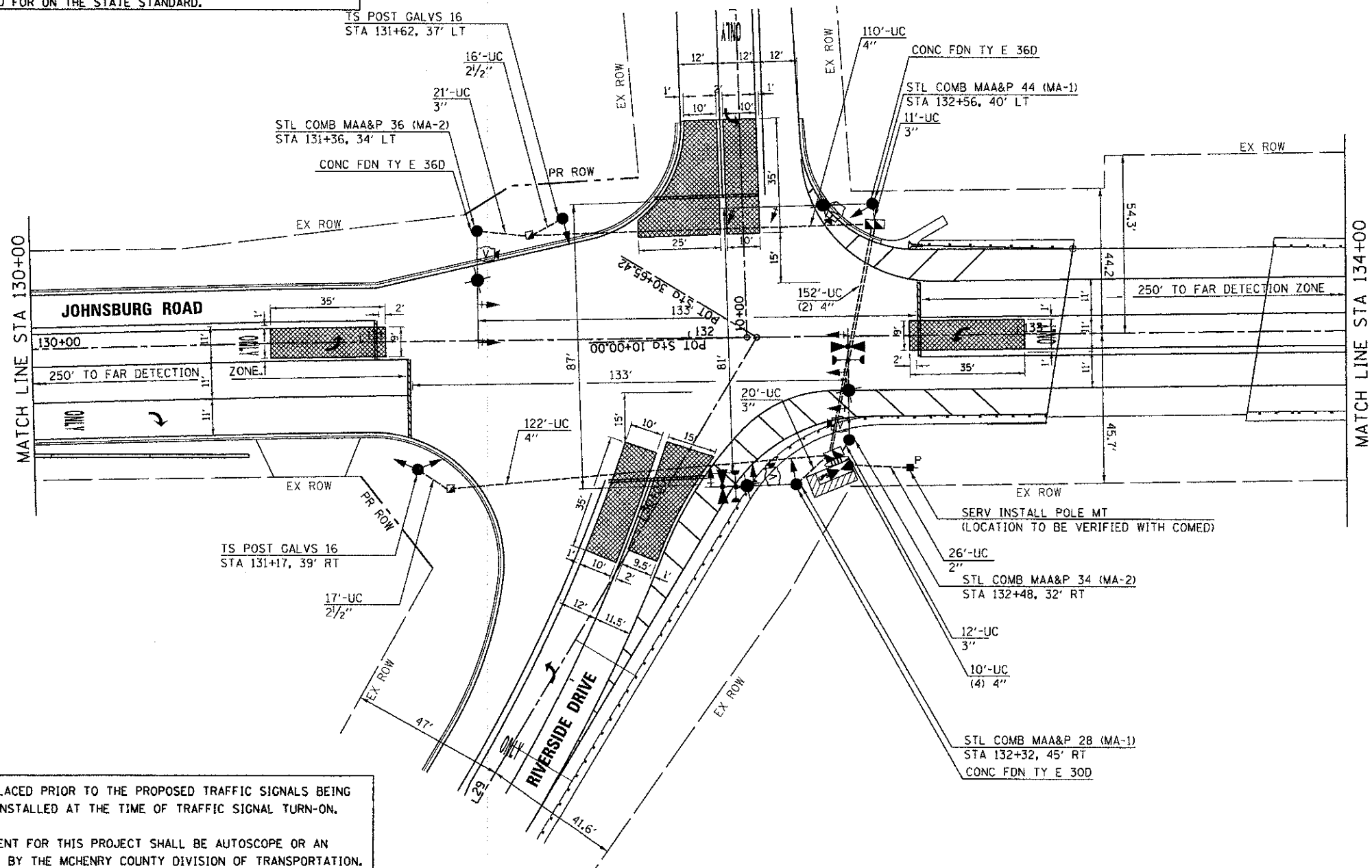
RESTORATION OF WORK AREA

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.

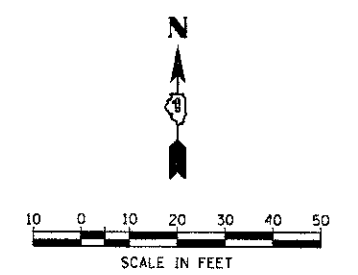
NOTE

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" AS REQUIRED BY THE MCHENRY COUNTY DIVISION OF TRANSPORTATION.

THE CONTROLLER CABINETS SHALL BE LABELED WITH A M.C.D.O.T. DECAL INSTEAD OF THE I.D.O.T. DECAL THAT IS CALLED FOR ON THE STATE STANDARD.

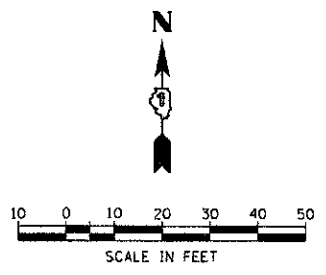
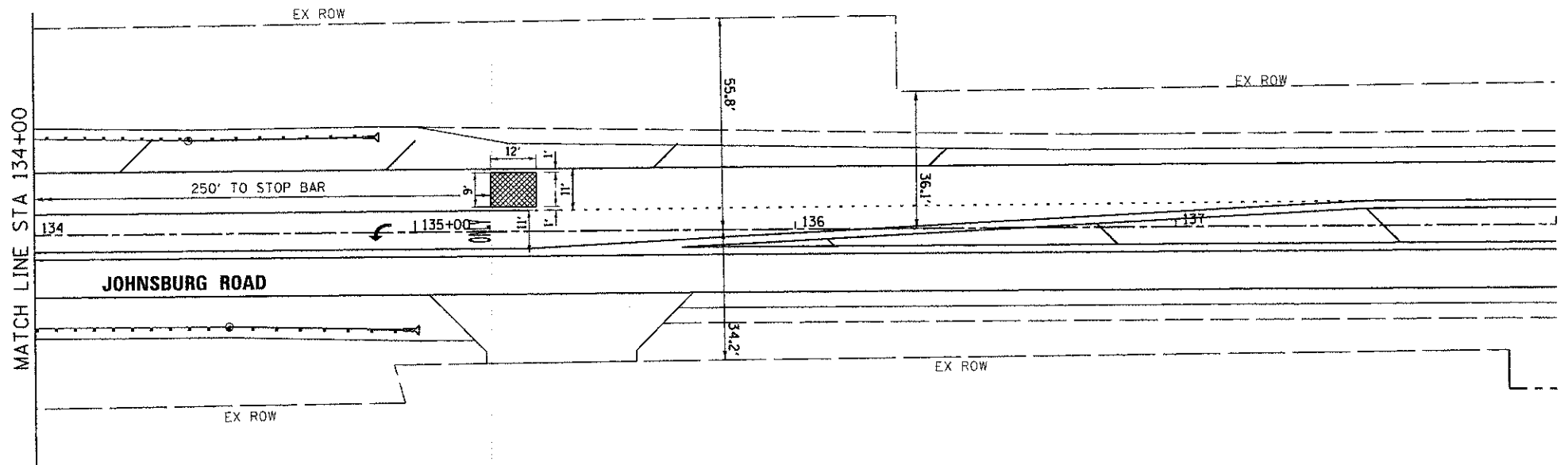
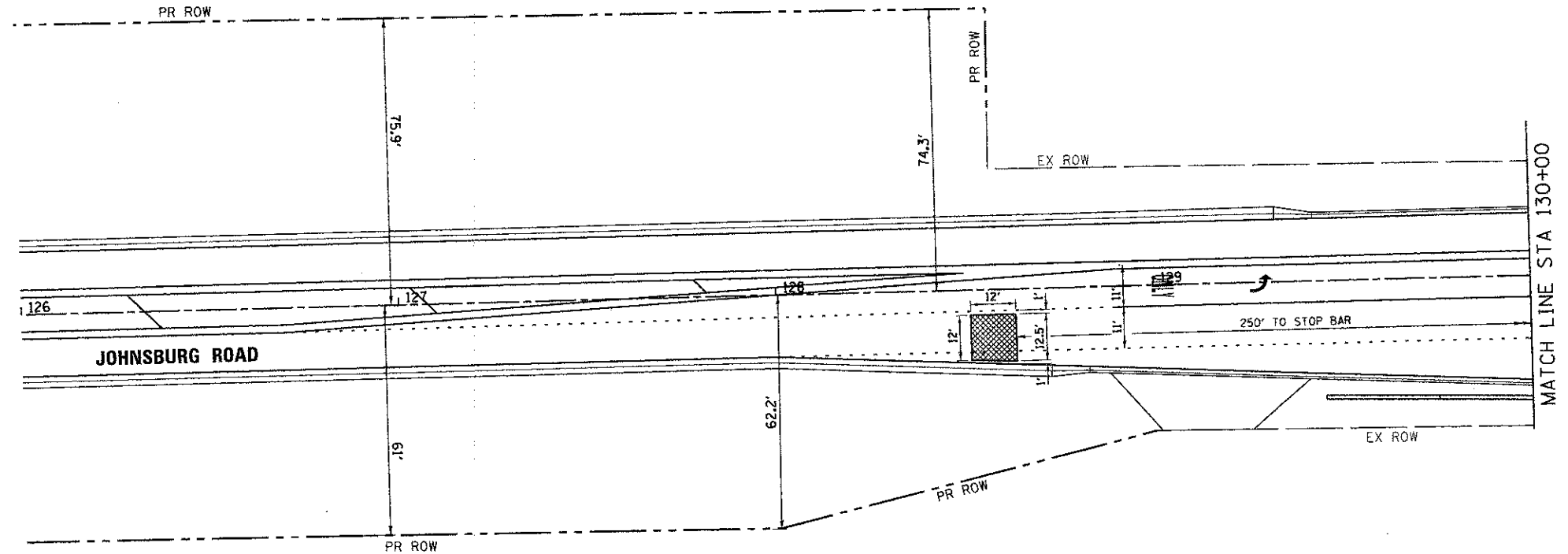


1. STOP BARS ARE NOT TO BE PLACED PRIOR TO THE PROPOSED TRAFFIC SIGNALS BEING OPERATIONAL; THEY WILL BE INSTALLED AT THE TIME OF TRAFFIC SIGNAL TURN-ON.
2. THE VIDEO DETECTION EQUIPMENT FOR THIS PROJECT SHALL BE AUTOSCOPE OR AN APPROVED EQUAL AS REQUIRED BY THE MCHENRY COUNTY DIVISION OF TRANSPORTATION.
3. THE EMERGENCY VEHICLE PREEMPTION EQUIPMENT FOR THIS PROJECT SHALL BE OPTICON OR AN APPROVED EQUAL AS REQUIRED BY THE MCHENRY TOWNSHIP FIRE DEPARTMENT.
4. PROVIDE 2-2" CONDUIT STUBS IN EACH FOUNDATION FOR MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE.
5. THE GROUND ROD FOR TYPE "C" & TYPE "D" NEEDS TO BE PLACED WITH GREAT CARE TO AVOID SURROUNDING ELEMENTS.



COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
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	SCALE: 1"=20' SHEET NO. 1 OF 4 SHEETS STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					



COMPANY NAME: HRGreen
 PROJECT CONTACT: jgottone
 CLIENT: MCHENRY COUNTY
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MCHENRY COUNTY
DIVISION OF TRANSPORTATION

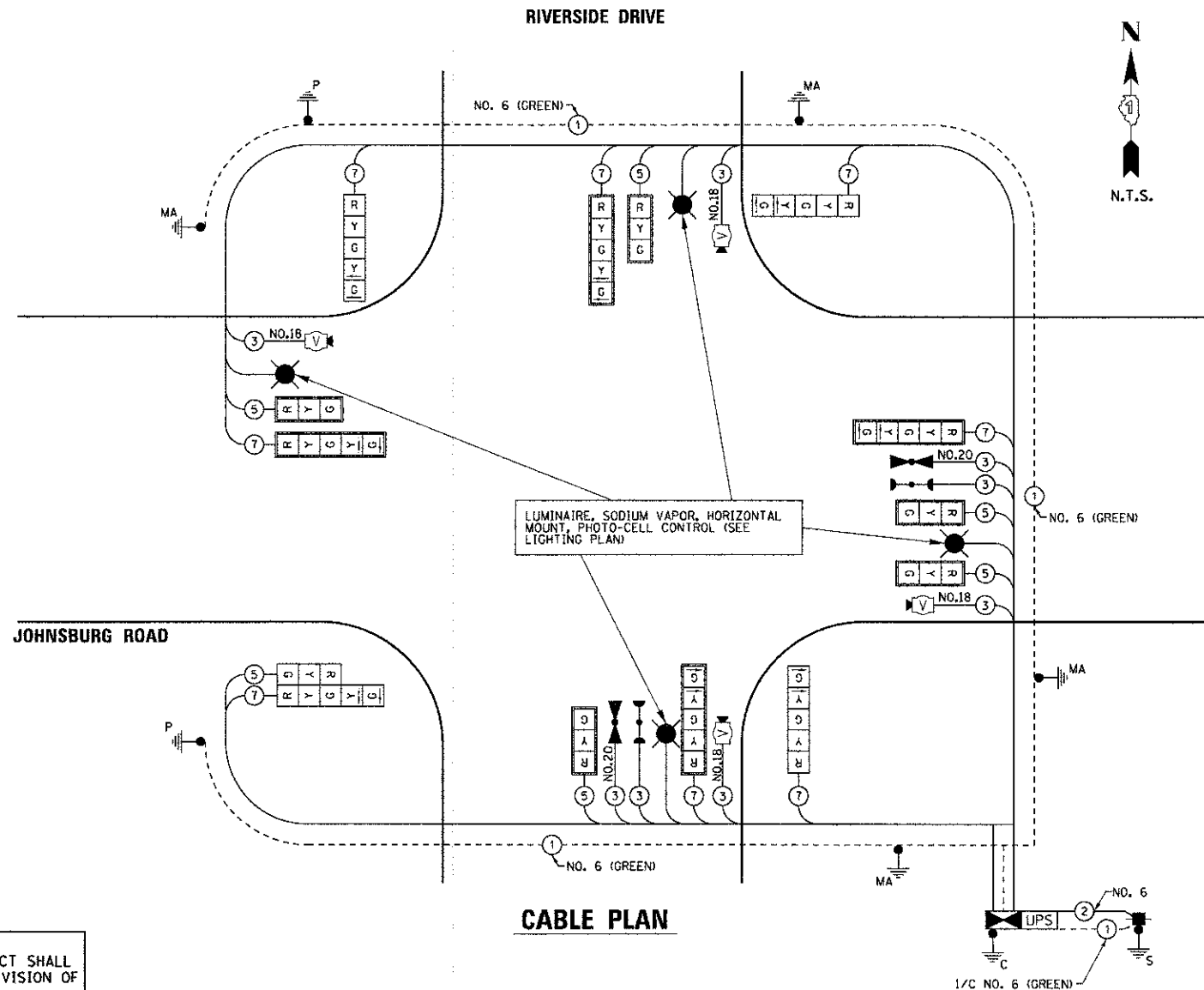
TRAFFIC SIGNAL INSTALLATION PLAN
JOHNSBURG ROAD AT RIVERSIDE DRIVE

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

F.A.U. RTE. 168	SECTION 05-00314-00-WR	COUNTY MCHENRY	TOTAL SHEETS 187	SHEET NO. 96
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 63515	

SCHEDULE OF QUANTITIES

ITEM	UNIT	TOTAL
SIGN PANEL - TYPE 1	SQ FT	18.0
SIGN PANEL - TYPE 2	SQ FT	19.5
SERVICE INSTALLATION - POLE MOUNTED	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	26.0
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	33.0
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	64.0
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	424.0
HANDHOLE	EACH	2
DOUBLE HANDHOLE	EACH	2
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	235.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,013.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,450.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 18 3C	FOOT	733.0
ELECTRIC CABLE IN CONDUIT, SERVICE NO. 6 2C	FOOT	63.0
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	896.5
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 28 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	8.0
CONCRETE FOUNDATION, TYPE C	FOOT	4.0
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10.0
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	35.0
SIGNAL HEAD, LED, 1-FACE 3-SECTION, MAST-ARM MOUNTED	EACH	5
SIGNAL HEAD, LED, 1-FACE 5-SECTION, BRACKET MOUNTED	EACH	3
SIGNAL HEAD, LED, 1-FACE 5-SECTION, MAST-ARM MOUNTED	EACH	4
SIGNAL HEAD, LED, 2-FACE 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	1
TRAFFIC SIGNAL BACKPLATE, LOUVERED	EACH	9
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	235.0
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
VIDEO DETECTION SYSTEM COMPLETE INTERSECTION	L SUM	0.50



CABLE PLAN

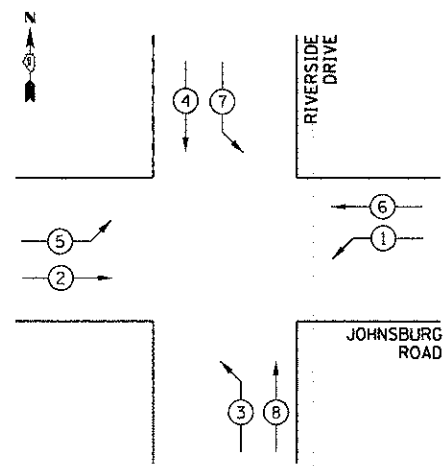
NOTE:
THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" AS REQUIRED BY THE MCHENRY COUNTY DIVISION OF TRANSPORTATION.

M.C.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE		% OPERATION	
		INCAND.	LED		
SIGNAL (RED)	14	17	0.50	119.00	
(YELLOW)	14	25	0.25	87.50	
(GREEN)	14	15	0.25	52.50	
ARROW	16	12	0.10	19.20	
CONTROLLER	1	100	1.00	100.00	
UPS	1	25	1.00	25.00	
VIDEO SYSTEM	1	15	1.00	15.00	
TOTAL =					418.20

ENERGY COSTS TO: VILLAGE OF JOHNSBURG
1515 CHANNEL BEACH AVENUE
JOHNSBURG, IL 60051

ENERGY SUPPLY CONTACT: NORA FERNANDEZ
PHONE: 866-639-3532
COMPANY: COMMONWEALTH EDISON

CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM

CONTROLLER SEQUENCE LEGEND

- ← ⊙ → DUAL ENTRY PHASE
- ← ⊙ SINGLE ENTRY PHASE
- ← ⊙ OL OVERLAP
- * NUMBER REFERRING TO ASSOCIATED PHASE
- ← ⊙ → PEDESTRIAN PHASE

EMERGENCY VEHICLE PREEMPTION SEQUENCE

PROPOSED EMERGENCY VEHICLE PREEMPTORS	
PROPOSED EMERGENCY VEHICLE PREEMPTORS	MOVEMENT
3	←
4	↑

JOHNSBURG ROAD @ RIVERSIDE DRIVE

COMPANY NAME: HRGreen
PROJECT CONTACT: HRGreen.com
DATE PLOTTED: 12/19/2012 2:55:21 PM
FILE NAME: 090822-sig@1c-Riv.dgn
PLOT DRIVER: pcf_drv_no_level.ctb
PEN TABLE: s1r090822-trans.tbl



USER NAME = jst1000
FILE NAME = 090822-sig@1c-Riv.dgn
PLOT SCALE = NTS
PLOT DATE = 12/19/2012

DESIGNED -
DRAWN -
CHECKED -
DATE - 12/19/12

REVISED -
REVISED -
REVISED -
REVISED -

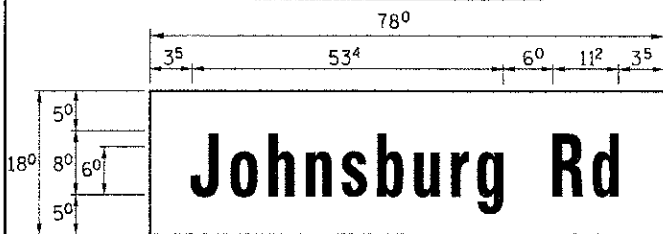
MCHENRY COUNTY DIVISION OF TRANSPORTATION

CABLE AND PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE

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

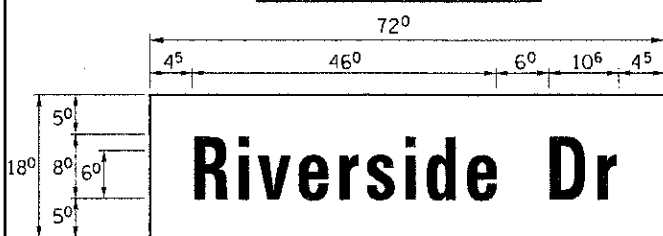
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	97
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63515	

PANEL SIGN DESIGN TYPE 2



MA-1
9.75 Sq. Ft each
2 Required
Design Series D

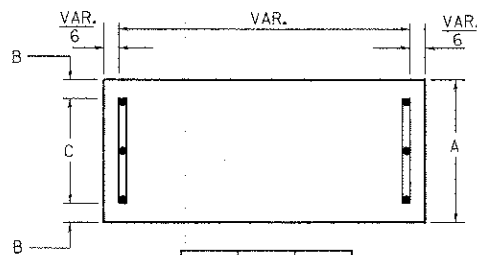
PANEL SIGN DESIGN TYPE 1



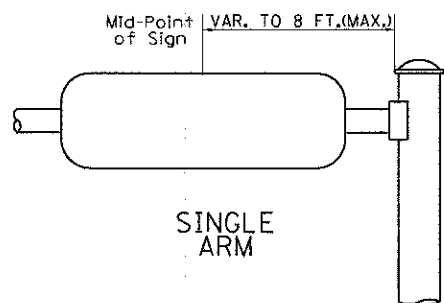
MA-2
9.00 Sq. Ft each
2 Required
Design Series D

ALL MAST ARM MOUNTED STREET NAME SIGNS SHALL BE CLEARVIEW HIGHWAY FONT ON 3M DG3 SHEETING OR AN APPROVED EQUAL AS REQUIRED BY THE MCHENRY COUNTY DIVISION OF TRANSPORTATION.

SUPPORTING CHANNELS

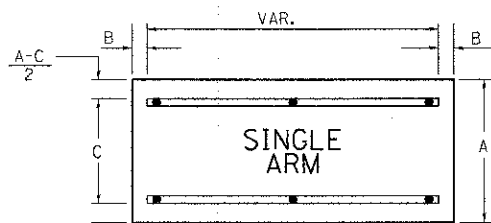


A	B	C
18"	2"	14"

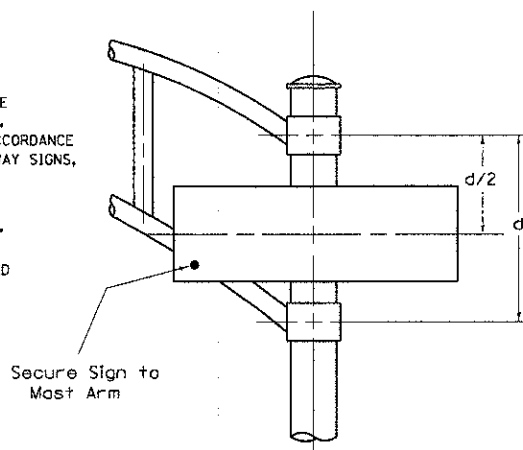


SINGLE ARM

SUPPORTING CHANNELS



A	B	C
18"	2"	12"
30"	2"	22"



DUAL ARM

SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM shall be used. See Note #5.

Upper Case To Lower Case
Spacing Chart 8-6 Inch Series "C & D"

EXAMPLE, 2 DENOTES 3/8"

FIRST LETTER	SECOND LETTER															
	ocde goq		bhikl mpru		fw		j		st		vy		x		z	
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
A W X	12	14	14	15	12	14	06	10	11	14	06	10	11	12	12	14
B	14	15	20	21	14	15	11	12	14	15	12	14	12	14	16	17
C E G	14	15	20	21	12	14	06	10	12	14	12	14	14	15	14	15
D O O R	14	15	20	21	14	15	06	10	12	14	12	14	14	15	14	15
F	06	06	14	15	06	10	06	06	10	06	10	06	10	11	12	
H I M N	20	21	22	24	20	21	14	15	16	17	16	17	20	21	20	21
J U	20	21	20	21	16	17	14	15	16	17	16	17	16	17	20	21
K L	11	12	16	17	11	12	06	06	11	12	11	12	11	12	12	14
P	12	14	14	15	12	14	06	06	11	12	11	12	12	14	12	14
S	12	14	16	17	12	14	06	10	12	14	12	14	12	14	12	14
T	11	12	16	17	06	10	06	10	11	12	11	12	11	12	12	14
V	06	10	14	15	11	12	06	10	12	14	12	14	12	14	12	14
Y	06	06	14	15	06	10	06	06	07	06	06	10	11	12		
Z	16	17	22	24	16	17	12	14	16	17	16	17	16	17	20	21

Lower Case To Lower Case
Spacing Chart 6 Inch Series "C & D"

FIRST LETTER	SECOND LETTER															
	ocde goq		bhikl mpru		fw		j		st		vy		x		z	
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
a d h g i j	16	17	22	24	16	17	12	14	14	15	14	15	16	17	16	17
l m n q u	12	14	16	17	11	12	06	06	11	12	11	12	12	14	12	14
b f k o p s	12	14	16	17	12	14	06	10	12	14	12	14	12	14	12	14
c e	12	14	16	17	12	14	06	10	12	14	12	14	12	14	12	14
r	06	10	12	14	06	10	03	03	05	06	05	06	06	10	06	10
t z	12	14	16	17	12	14	06	10	11	12	11	12	12	14	12	14
v y	11	12	14	15	11	12	06	06	06	10	06	10	11	12	11	12
w	11	12	14	15	11	12	06	06	11	12	11	12	11	12	12	14
x	12	14	16	17	11	12	06	06	11	12	11	12	11	12	12	14

Number To Number
Spacing Chart 8 Inch Series "C & D"

FIRST LETTER	SECOND LETTER																			
	0		1		2		3		4		5		6		7		8		9	
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
0 9	16	17	16	17	14	15	12	14	14	15	14	15	16	17	12	14	16	17	16	17
1	20	21	20	21	20	21	16	17	14	15	20	21	20	21	14	15	20	21	20	21
2 3 4	14	15	14	15	14	15	12	14	12	14	14	15	14	15	11	12	16	17	14	15
5	14	15	14	15	14	15	11	12	11	12	14	15	14	15	11	12	14	15	14	15
6	16	17	14	15	14	15	12	15	12	14	14	15	14	15	11	12	14	15	14	15
7	12	14	12	14	14	15	12	15	06	06	12	14	14	15	11	12	14	15	12	14
8	16	17	16	17	14	15	12	15	12	14	14	15	16	17	12	14	16	17	14	15

LETTERS	6 INCH UPPER CASE LETTERS		8 INCH UPPER CASE LETTERS		LETTERS	6 INCH LOWER CASE LETTERS	
	SERIES		SERIES			SERIES	
	C	D	C	D		C	D
A	36	50	50	65	a	35	42
B	32	40	43	53	b	35	42
C	32	40	43	53	c	35	41
D	32	40	43	53	d	35	42
E	30	35	40	47	e	35	42
F	30	35	40	47	f	23	26
G	32	40	43	53	g	35	42
H	32	40	43	53	h	35	42
I	07	07	11	12	i	11	11
J	30	36	40	50	j	20	22
K	32	41	43	54	k	35	42
L	30	35	40	47	l	11	11
M	37	45	51	61	m	60	70
N	32	40	43	53	n	35	42
O	34	42	45	55	o	36	43
P	32	40	43	53	p	35	42
Q	34	42	45	55	q	35	42
R	32	40	43	53	r	26	32
S	32	40	43	53	s	36	42
T	30	35	40	47	t	27	32
U	32	40	43	53	u	35	42
V	35	44	47	60	v	42	47
W	44	52	60	70	w	55	64
X	34	40	45	53	x	44	51
Y	36	50	50	66	y	46	53
Z	32	40	43	53	z	36	43

NUMBER	6 INCH SERIES		8 INCH SERIES	
	SERIES		SERIES	
	C	D	C	D
1	12	14	15	20
2	32	40	43	53
3	32	40	43	53
4	35	43	47	57
5	32	40	43	53
6	32	40	43	53
7	32	40	43	53
8	32	40	43	53
9	32	40	43	53
0	34	42	45	55

GENERAL NOTES

- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
- ALL SIGNS SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND, TYPE A SHEETING.
- THE SIGN LENGTH SHOULD BE INCREASED IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHOULD NOT EXCEED 8'-0".
- ALL BORDERS SHALL BE 3/4" WIDE AND CORNER RADIUS SHALL BE 2-1/4".
- SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS. LOCAL SUPPLIERS OF THE SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM ARE:

* J.O. HERBERT CO. MIDLOTHIAN, VA. * WESTERN REMAC INC. WOODRIDGE, IL.

PARTS LISTING:
SIGN CHANNEL PART #HPN053 (MED. CHANNEL)
SIGN SCREWS 1/4" x 14 x 1" H.W.H. #3
BRACKETS PART #HPN034 (UNIVERSAL)
CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING
OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BACKET OF THE ABOVE PRODUCT.

COMPANY NAME: HRGreen.com
PROJECT CONTACT: jettane
DATE PLOTTED: 12/19/2012 2:55:32 PM
FILE NAME: 080622-sig01c-riv.dgn
PLOT DRIVER: pdfLwr.nc...rvl...c7g
PEN TABLE: 6-roads-dr-trns.tbl



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PLOT SCALE = NTS	CHECKED -	REvised -
PLOT DATE = 12/19/2012	DATE = 12/19/12	REvised -

MCHENRY COUNTY
DIVISION OF TRANSPORTATION

DETAIL SHEET MAST ARM MOUNTED STREET NAME SIGNS
JOHNSBURG ROAD AT RIVERSIDE DRIVE

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

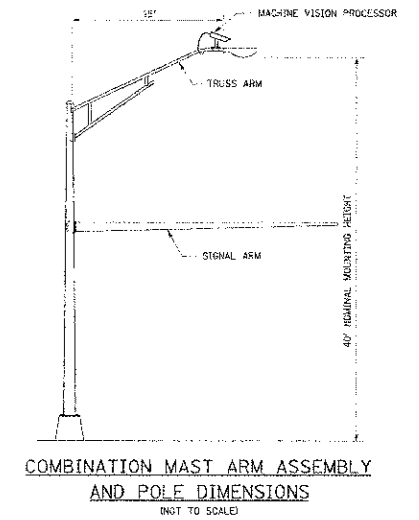
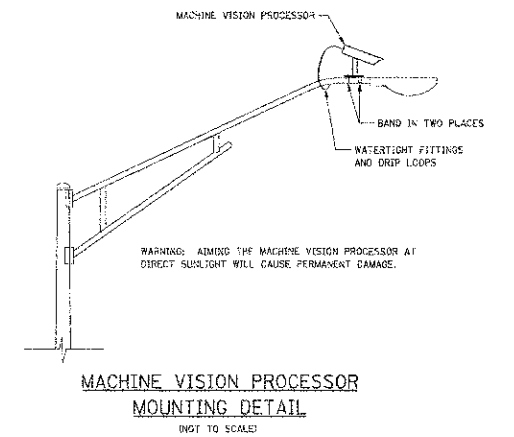
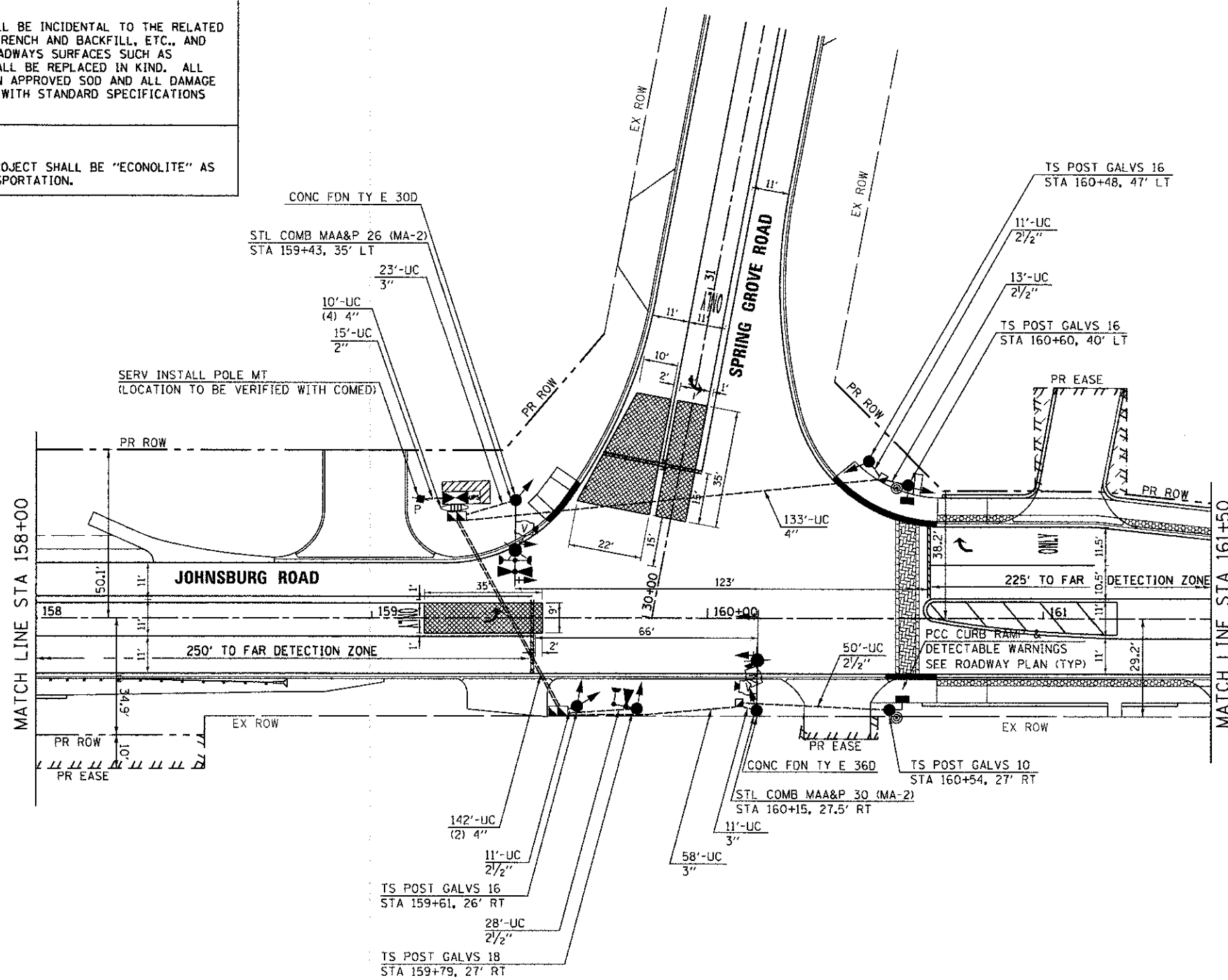
F.A.U. RTE. 168	SECTION 05-00314-00-WR	COUNTY MCHENRY	TOTAL SHEETS 187	SHEET NO. 98
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63515	

RESTORATION OF WORK AREA

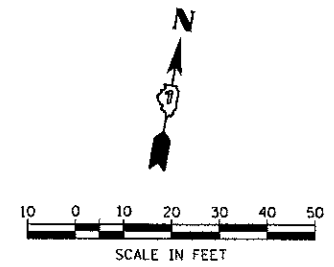
RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAYS SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. 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 TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" AS REQUIRED BY THE MCHENRY COUNTY DIVISION OF TRANSPORTATION.



1. STOP BARS ARE NOT TO BE PLACED PRIOR TO THE PROPOSED TRAFFIC SIGNALS BEING OPERATIONAL; THEY WILL BE INSTALLED AT THE TIME OF TRAFFIC SIGNAL TURN-ON.
2. THE VIDEO DETECTION EQUIPMENT FOR THIS PROJECT SHALL BE AUTOSCOPE OR AN APPROVED EQUAL AS REQUIRED BY THE MCHENRY COUNTY DIVISION OF TRANSPORTATION.
3. THE EMERGENCY VEHICLE PREEMPTION EQUIPMENT FOR THIS PROJECT SHALL BE OPTICON OR AN APPROVED EQUAL AS REQUIRED BY THE MCHENRY TOWNSHIP FIRE DEPARTMENT.
4. PROVIDE 2-2" CONDUIT STUBS IN EACH FOUNDATION FOR MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE.
5. THE GROUND ROD FOR TYPE "C" & TYPE "D" NEEDS TO BE PLACED WITH GREAT CARE TO AVOID SURROUNDING ELEMENTS.



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 PROJECT CONTACT: HRGreen.com
 CLIENT: HRGreen.com
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 PLOT DRIVER: Standard-Trans.tbl
 PEN TABLE:



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PLOT DATE = 12/19/2012	DATE = 12/19/12	REVISED -

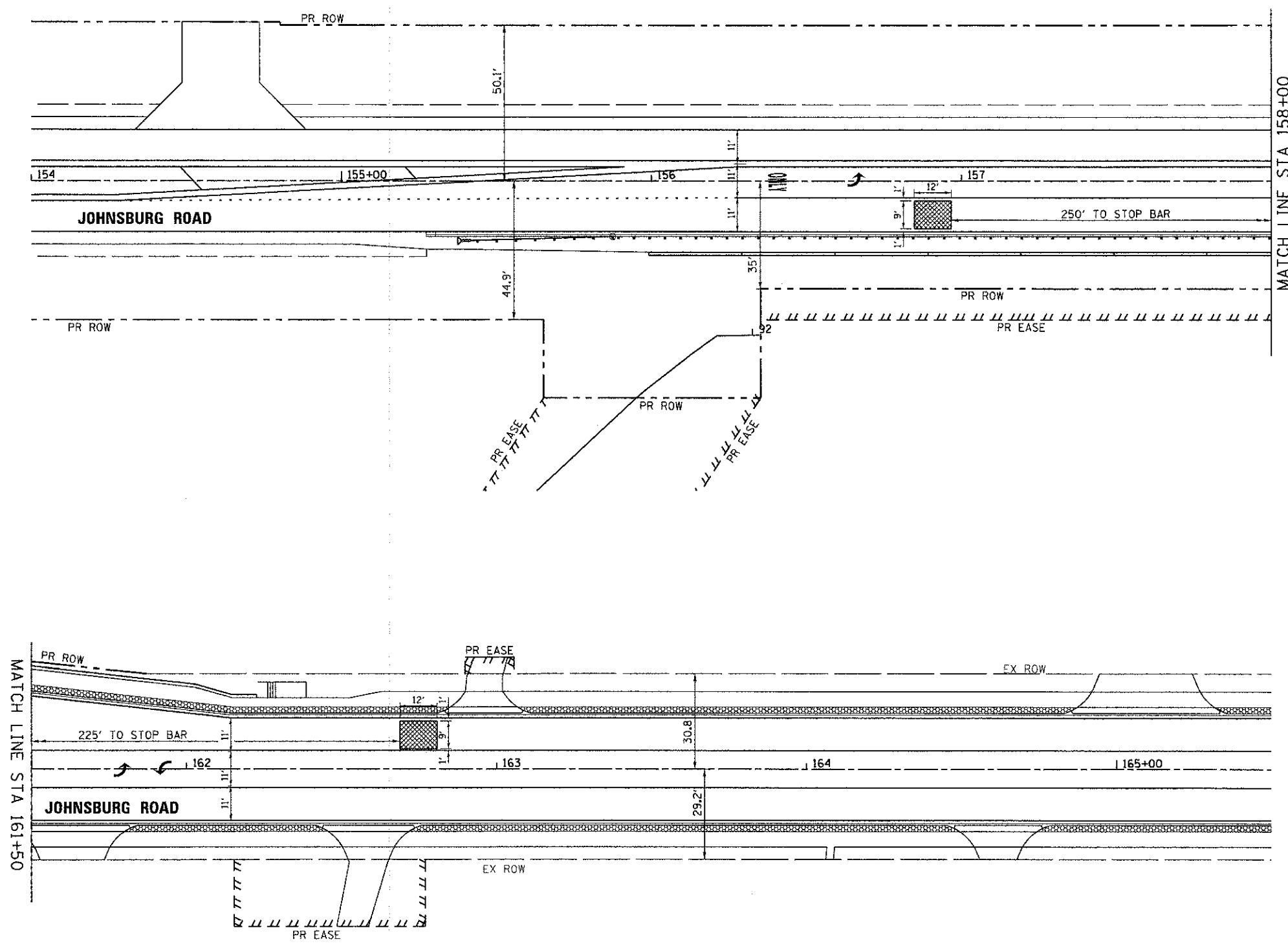
**MCHENRY COUNTY
 DIVISION OF TRANSPORTATION**

**TRAFFIC SIGNAL INSTALLATION PLAN
 JOHNSBURG ROAD AT SPRING GROVE ROAD**

SCALE: 1"=20' SHEET NO. 1 OF 4 SHEETS STA. TO STA.

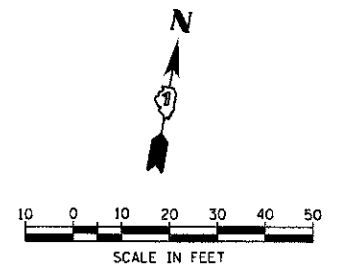
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	99
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

CONTRACT NO. 63515



MATCH LINE STA 158+00

MATCH LINE STA 161+50



COMPANY NAME: HRGreen
 PROJECT CONTACT: jettone
 CLIENT: MCHENRY COUNTY
 DATE PLOTTED: 12/19/2012 2:56:02 PM
 FILE NAME: 080622-sig@2b-spr02.dgn
 PLOT DRIVER: pdf.dwg.no.landscape.ctb
 PEN TABLE: standard.ctb



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FILE NAME = 080622-sig@2b-spr02.dgn	DRAWN -	REVISED -
PLOT SCALE = 1" = 20'	CHECKED -	REVISED -
PLOT DATE = 12/19/2012	DATE = 12/19/12	REVISED -

**MCHENRY COUNTY
DIVISION OF TRANSPORTATION**

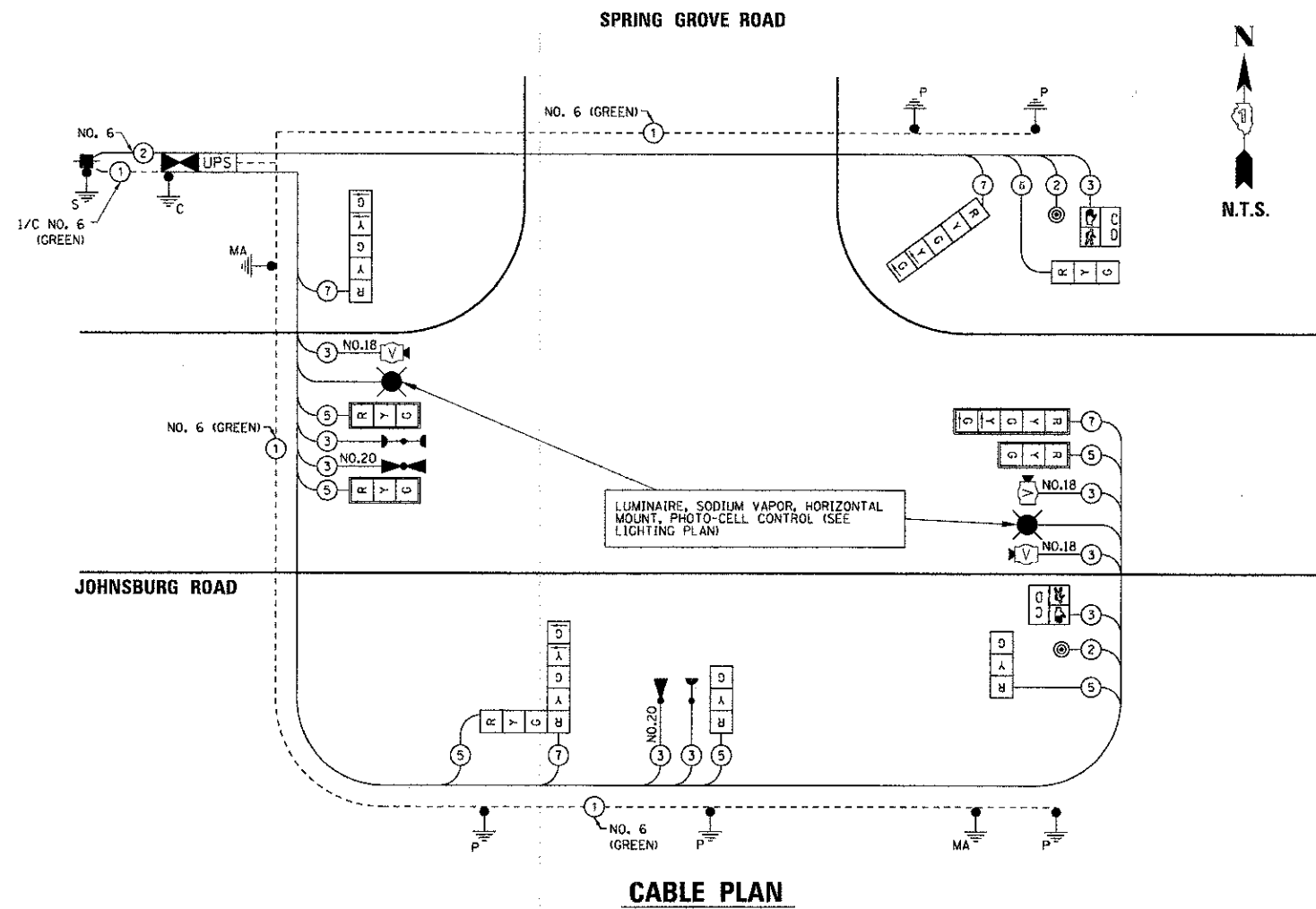
**TRAFFIC SIGNAL INSTALLATION PLAN
JOHNSBURG ROAD AT SPRING GROVE ROAD**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	100
CONTRACT NO. 63515				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

ITEM	UNIT	TOTAL
SIGN PANEL - TYPE 2	SQ FT	32.25
SERVICE INSTALLATION - POLE MOUNTED	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	15.0
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	113.0
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	92.0
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	315.0
HANDHOLE	EACH	2
DOUBLE HANDHOLE	EACH	2
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	419.5
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	704.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	937.5
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	853.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 18 3C	FOOT	582.5
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	48.0
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1,085.5
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	3
TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 28 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 30 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	20.0
CONCRETE FOUNDATION, TYPE C	FOOT	4.0
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10.0
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	11.0
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	3
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	1
SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
TRAFFIC SIGNAL BACKPLATE, LOUVERED	EACH	4
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	2
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	270.5
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
VIDEO DETECTION SYSTEM COMPLETE INTERSECTION	L SUM	0.50



CABLE PLAN

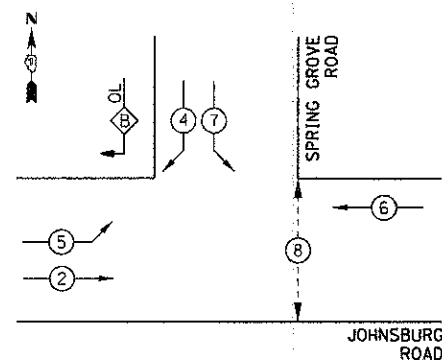
THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" AS REQUIRED BY THE MCHENRY COUNTY DIVISION OF TRANSPORTATION.

M.C.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE		% OPERATION	
		INCAND.	LED		
SIGNAL (RED)	11	17		0.50	93.50
(YELLOW)	11	25		0.25	68.75
(GREEN)	11	15		0.25	41.25
ARROW	8	12		0.10	9.60
PED. SIGNAL	2		25	1.00	50.00
CONTROLLER	1		100	1.00	100.00
UPS	1		25	1.00	25.00
VIDEO SYSTEM	1		15	1.00	15.00
TOTAL =					403.10

ENERGY COSTS TO: VILLAGE OF JOHNSBURG
1515 CHANNEL BEACH AVENUE
JOHNSBURG, IL 60051

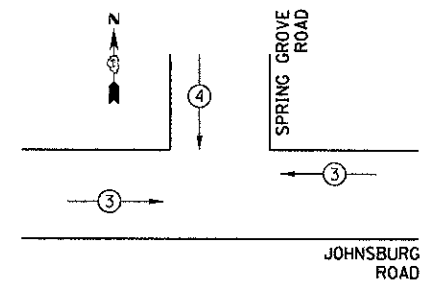
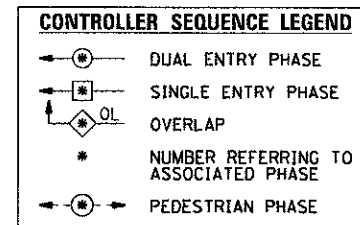
ENERGY SUPPLY CONTACT: MICHAEL LENOX
PHONE: 815-490-2869
COMPANY: COMMONWEALTH EDISON

CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM

OVERLAP PHASE	PERMISSIVE PHASE	PROTECTED PHASE
B	= 4	+ 5



EMERGENCY VEHICLE PREEMPTION SEQUENCE

PROPOSED EMERGENCY VEHICLE PREEMPTORS

PROPOSED EMERGENCY VEHICLE PREEMPTORS	3	4
MOVEMENT	← →	↓

JOHNSBURG ROAD @ SPRING GROVE ROAD

COMPANY NAME: HRGreen
PROJECT CONTACT: 12/19/2012 2:56:07 PM
CLIENT: 090622-50020-5pr-dgn
DATE PLOTTED: 12/19/2012 2:56:07 PM
FILE NAME: 090622-50020-5pr-dgn
PLOT NUMBER: 1
PLOT SCALE: N.T.S.
PLOT DATE: 12/19/2012



USER NAME: jeltone	DESIGNED: -	REVISED: -
FILE NAME: 090622-50020-5pr-dgn	DRAWN: -	REVISED: -
PLOT SCALE: N.T.S.	CHECKED: -	REVISED: -
PLOT DATE: 12/19/2012	DATE: 12/19/12	REVISED: -

MCHENRY COUNTY DIVISION OF TRANSPORTATION

CABLE AND PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE

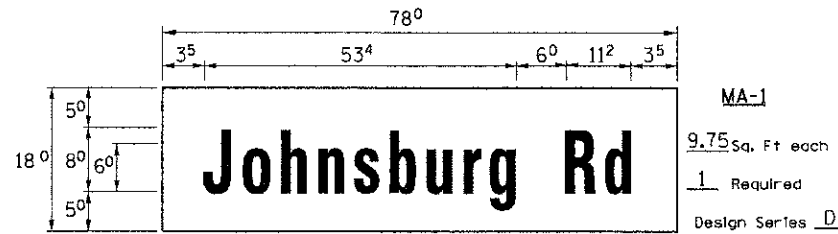
SCALE: N.T.S. SHEET NO. 3 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	101

CONTRACT NO. 63515

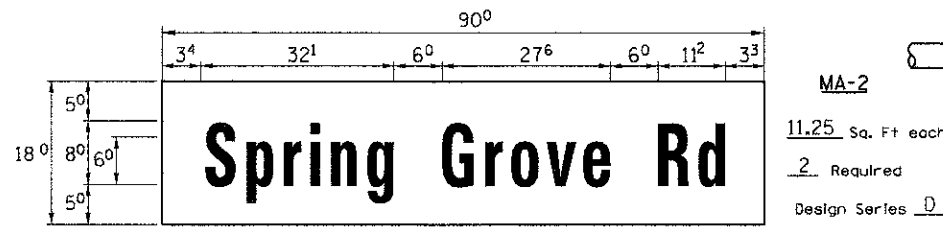
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

PANEL SIGN DESIGN TYPE 2



NOTE: THESE SIGNS SHALL BE MOUNTED ON THE FRONT OF THE MAST ARM POLE PER THE SINGLE ARM DETAIL AT RIGHT OR AS DIRECTED BY THE ENGINEER.

PANEL SIGN DESIGN TYPE 2



NOTE: THIS SIGN SHALL BE MOUNTED ON THE MAST ARM IN ACCORDANCE WITH STANDARD 720016 OR AS DIRECTED BY THE ENGINEER.

ALL MAST ARM MOUNTED STREET NAME SIGNS SHALL BE CLEARVIEW HIGHWAY FONT ON 3M DG3 SHEETING OR AN APPROVED EQUAL AS REQUIRED BY THE MCHENRY COUNTY DIVISION OF TRANSPORTATION.

GENERAL NOTES

- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN, THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
- ALL SIGNS SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND, TYPE A SHEETING.
- THE SIGN LENGTH SHOULD BE INCREASED IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHOULD NOT EXCEED 8'-0".
- ALL BORDERS SHALL BE 3/4" WIDE AND CORNER RADIUS SHALL BE 2-1/4".
- SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS. LOCAL SUPPLIERS OF THE SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM ARE:

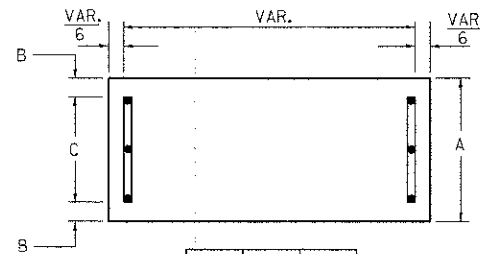
- * J.O. HERBERT CO. MIDLOTHIAN, VA.
- * WESTERN REMAC INC. WOODRIDGE, IL.

PARTS LISTING:
SIGN CHANNEL PART #HPN053 (MED. CHANNEL)
SIGN SCREWS 1/4" x 14 x 1" H.W.H. #3
SELF TAPPING WITH NEOPRENE WASHER

BRACKETS PART #HPN034 (UNIVERSAL)
CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

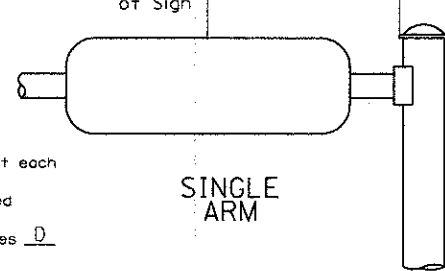
OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BRACKET OF THE ABOVE PRODUCT.

SUPPORTING CHANNELS

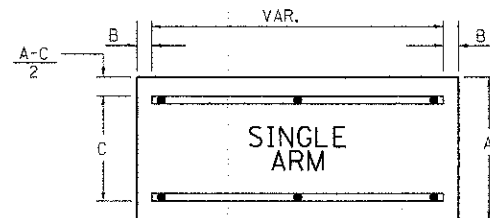


A	B	C
18"	2"	14"

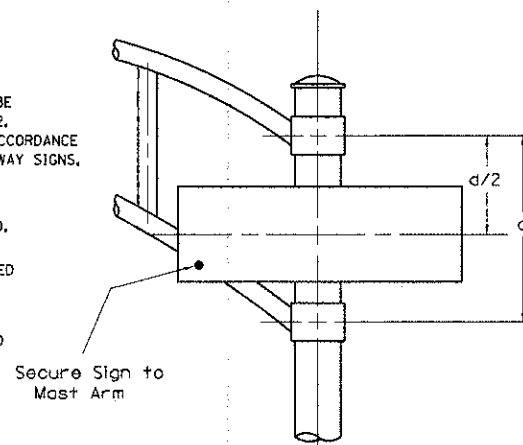
Mid-Point of Sign VAR. TO 8 FT.(MAX.)



SUPPORTING CHANNELS



A	B	C
18"	2"	12"
30"	2"	22"



SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM

shall be used. See Note #5.

Upper Case To Lower Case Spacing Chart 8-6 Inch Series 'C & D'

EXAMPLE, 2 ³ DENOTES 3/8"

SERIES	SECOND LETTER																			
	o c d e		g o q		b h i k l		m n p r u		f w		j		s t		v y		x		z	
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
A W X	12	14	14	15	12	14	06	10	11	14	06	10	11	12	12	14				
B	14	15	20	21	14	15	11	12	14	15	12	14	12	14	16	17				
C E G	14	15	20	21	12	14	06	10	12	14	12	14	14	15	14	15				
D O O R	14	15	20	21	14	15	06	10	12	14	12	14	14	15	14	15				
F	05	06	14	15	06	10	05	06	06	10	06	10	06	10	11	12				
H I M N	20	21	22	24	20	21	14	15	16	17	16	17	20	21	20	21				
J U	20	21	20	21	16	17	14	15	16	17	16	17	16	17	20	21				
K L	11	12	16	17	11	12	05	06	11	12	11	12	11	12	12	14				
P	12	14	14	15	12	14	05	06	11	12	11	12	12	14	12	14				
S	12	14	16	17	12	14	06	10	12	14	12	14	12	14	12	14				
T	11	12	16	17	06	10	06	10	11	12	11	12	11	12	12	14				
V	06	10	14	15	11	12	06	10	12	14	12	14	12	14	12	14				
Y	05	06	14	15	06	10	05	06	05	07	05	06	06	10	11	12				
Z	16	17	22	24	16	17	12	14	16	17	16	17	16	17	20	21				

Lower Case To Lower Case Spacing Chart 6 Inch Series 'C & D'

SERIES	SECOND LETTER																			
	o c d e		g o q		b h i k l		m n p r u		f w		j		s t		v y		x		z	
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
a d h g i j	16	17	22	24	16	17	12	14	14	15	14	15	16	17	16	17				
l m n q u																				
b f k o p s	12	14	16	17	11	12	05	06	11	12	11	12	12	14	12	14				
c e	12	14	16	17	12	14	06	10	12	14	12	14	12	14	12	14				
r	06	10	12	14	06	10	03	03	05	06	05	06	06	10	06	10				
t z	12	14	16	17	12	14	06	10	11	12	11	12	12	14	12	14				
v y	11	12	14	15	11	12	05	06	06	10	06	10	11	12	11	12				
w	11	12	14	15	11	12	05	06	11	12	11	12	11	12	12	14				
x	12	14	16	17	11	12	05	06	11	12	11	12	11	12	12	14				

Number To Number Spacing Chart 8 Inch Series 'C & D'

SERIES	SECOND LETTER																			
	0		1		2		3		4		5		6		7		8		9	
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
0 9	16	17	16	17	14	15	12	14	14	15	14	15	16	17	12	14	16	17	16	17
1	20	21	20	21	20	21	16	17	14	15	20	21	20	21	14	15	20	21	20	21
2 3 4	14	15	14	15	14	15	12	14	12	14	14	15	14	15	11	12	16	17	14	15
5	14	15	14	15	14	15	11	12	11	12	14	15	14	15	11	12	14	15	14	15
6	16	17	14	15	14	15	12	15	12	14	14	15	14	15	11	12	14	15	14	15
7	12	14	12	14	14	15	12	15	05	06	12	14	14	15	11	12	14	15	12	14
8	16	17	16	17	14	15	12	15	12	14	14	15	16	17	12	14	16	17	14	15

LETTERS	6 INCH UPPER CASE LETTERS		8 INCH UPPER CASE LETTERS		LETTERS	6 INCH LOWER CASE LETTERS	
	SERIES		SERIES			SERIES	
	C	D	C	D		C	D
A	3 ⁶	5 ⁰	5 ⁰	6 ⁵	a	3 ⁵	4 ²
B	3 ²	4 ⁰	4 ³	5 ³	b	3 ⁵	4 ²
C	3 ²	4 ⁰	4 ³	5 ³	c	3 ⁵	4 ¹
D	3 ²	4 ⁰	4 ³	5 ³	d	3 ⁵	4 ²
E	3 ⁰	3 ⁵	4 ⁰	4 ⁷	e	3 ⁵	4 ²
F	3 ⁰	3 ⁵	4 ⁰	4 ⁷	f	2 ³	2 ⁶
G	3 ²	4 ⁰	4 ³	5 ³	g	3 ⁵	4 ²
H	3 ²	4 ⁰	4 ³	5 ³	h	3 ⁵	4 ²
I	0 ⁷	0 ⁷	1 ¹	1 ²	i	1 ¹	1 ¹
J	3 ⁰	3 ⁶	4 ⁰	5 ⁰	j	2 ⁰	2 ²
K	3 ²	4 ¹	4 ³	5 ⁴	k	3 ⁵	4 ²
L	3 ⁰	3 ⁵	4 ⁰	4 ⁷	l	1 ¹	1 ¹
M	3 ⁷	4 ⁵	5 ¹	6 ¹	m	6 ⁰	7 ⁰
N	3 ²	4 ⁰	4 ³	5 ³	n	3 ⁵	4 ²
O	3 ⁴	4 ²	4 ⁵	5 ⁵	o	3 ⁶	4 ³
P	3 ²	4 ⁰	4 ³	5 ³	p	3 ⁵	4 ²
Q	3 ⁴	4 ²	4 ⁵	5 ⁵	q	3 ⁵	4 ²
R	3 ²	4 ⁰	4 ³	5 ³	r	2 ⁶	3 ²
S	3 ²	4 ⁰	4 ³	5 ³	s	3 ⁶	4 ²
T	3 ⁰	3 ⁵	4 ⁰	4 ⁷	t	2 ⁷	3 ²
U	3 ²	4 ⁰	4 ³	5 ³	u	3 ⁵	4 ²
V	3 ⁵	4 ⁴	4 ⁷	6 ⁰	v	4 ²	4 ⁷
W	4 ⁴	5 ²	6 ⁰	7 ⁰	w	5 ⁵	6 ⁴
X	3 ⁴	4 ⁰	4 ⁵	5 ³	x	4 ⁴	5 ¹
Y	3 ⁶	5 ⁰	5 ⁰	6 ⁶	y	4 ⁶	5 ³
Z	3 ²	4 ⁰	4 ³	5 ³	z	3 ⁶	4 ³

NUMBER	6 INCH SERIES		8 INCH SERIES	
	C	D	C	D
1	1 ²	1 ⁴	1 ⁵	2 ⁰
2	3 ²	4 ⁰	4 ³	5 ³
3	3 ²	4 ⁰	4 ³	5 ³
4	3 ⁵	4 ³	4 ⁷	5 ⁷
5	3 ²	4 ⁰	4 ³	5 ³
6	3 ²	4 ⁰	4 ³	5 ³
7	3 ²	4 ⁰	4 ³	5 ³
8	3 ²	4 ⁰	4 ³	5 ³
9	3 ²	4 ⁰	4 ³	5 ³
0	3 ⁴	4 ²	4 ⁵	5 ⁵

12/20/2012 10:06:06 AM
DATE PLOTTED
C:\PLOT\12/20/2012 10:06:06 AM
PLOT BRNKR
PEN TABLE



USER NAME = jettana	DESIGNED -	REVISED -
FILE NAME = 090622-sig82d-Spr.dgn	DRAWN -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 12/20/2012	DATE = 12/19/12	REVISED -

MCHENRY COUNTY
DIVISION OF TRANSPORTATION

DETAIL SHEET MAST ARM MOUNTED STREET NAME SIGNS
JOHNSBURG ROAD AT SPRING GROVE ROAD

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

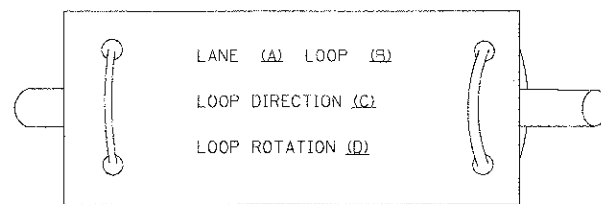
F.A.U. RTE. 168	SECTION 05-00314-00-WR	COUNTY MCHENRY	TOTAL SHEETS 187	SHEET NO. 102
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 63515

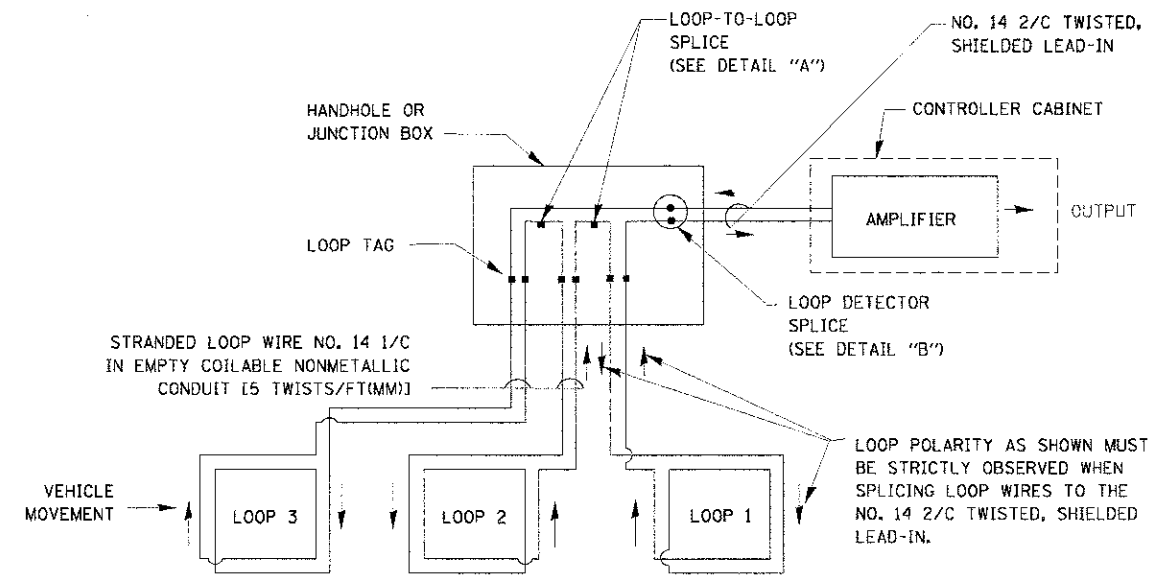
LOOP DETECTOR NOTES

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 DIVESHOLES 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.

LOOP LEAD-IN CABLE TAG

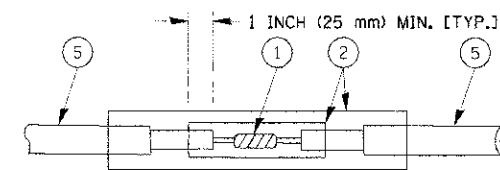


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

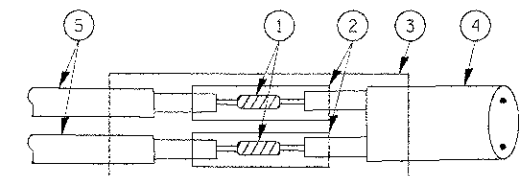


DETECTOR LOOP WIRING SCHEMATIC

- 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.

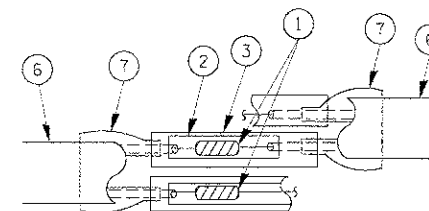


DETAIL "A" LOOP-TO-LOOP SPLICE

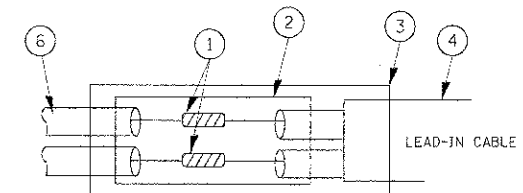


DETAIL "B" LOOP-TO-CONTROLLER SPLICE

TYPE 1 LOOP



DETAIL "A" LOOP-TO-LOOP SPLICE



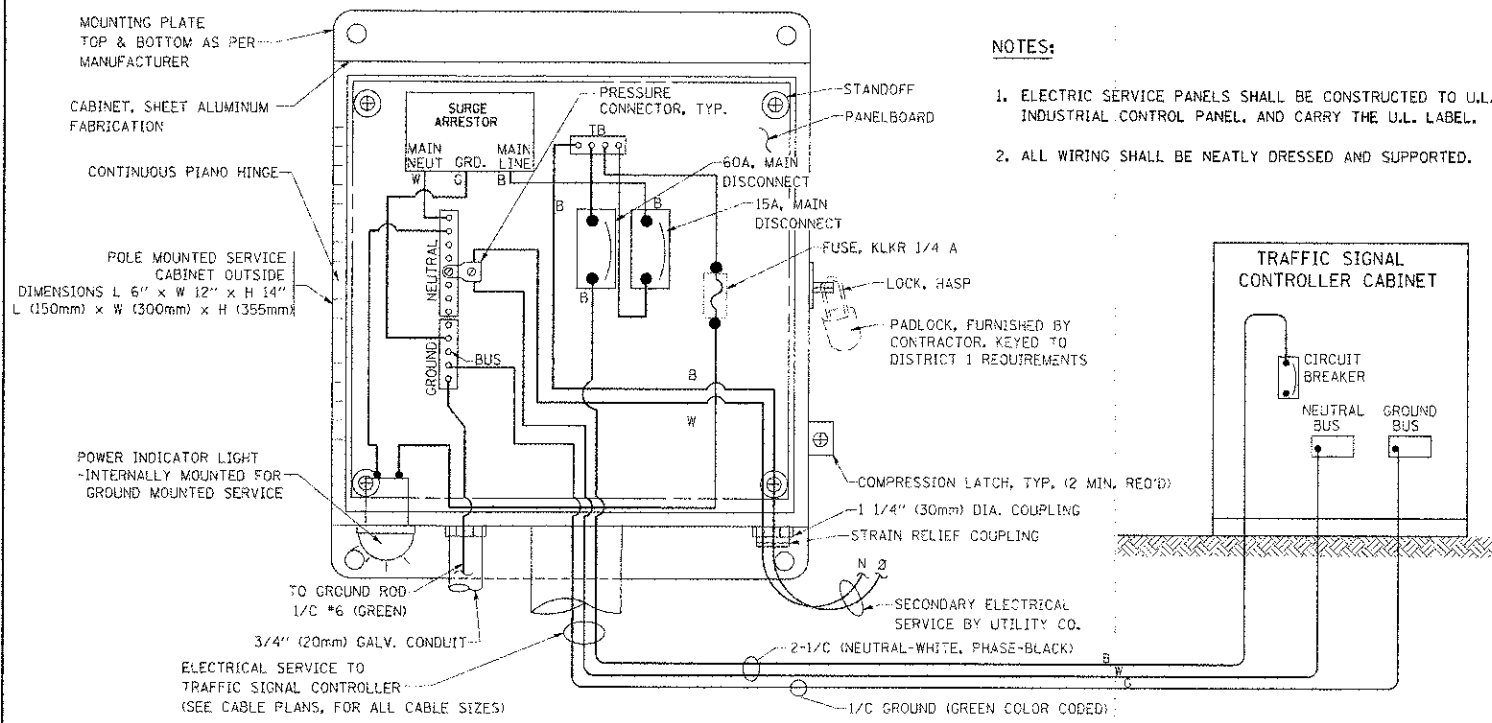
DETAIL "B" LOOP-TO-CONTROLLER SPLICE

LOOP DETECTOR SPLICE

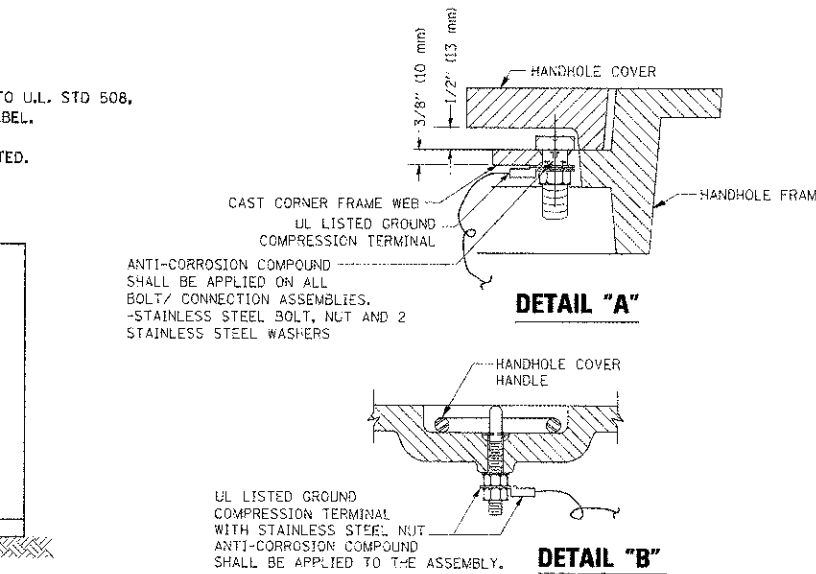
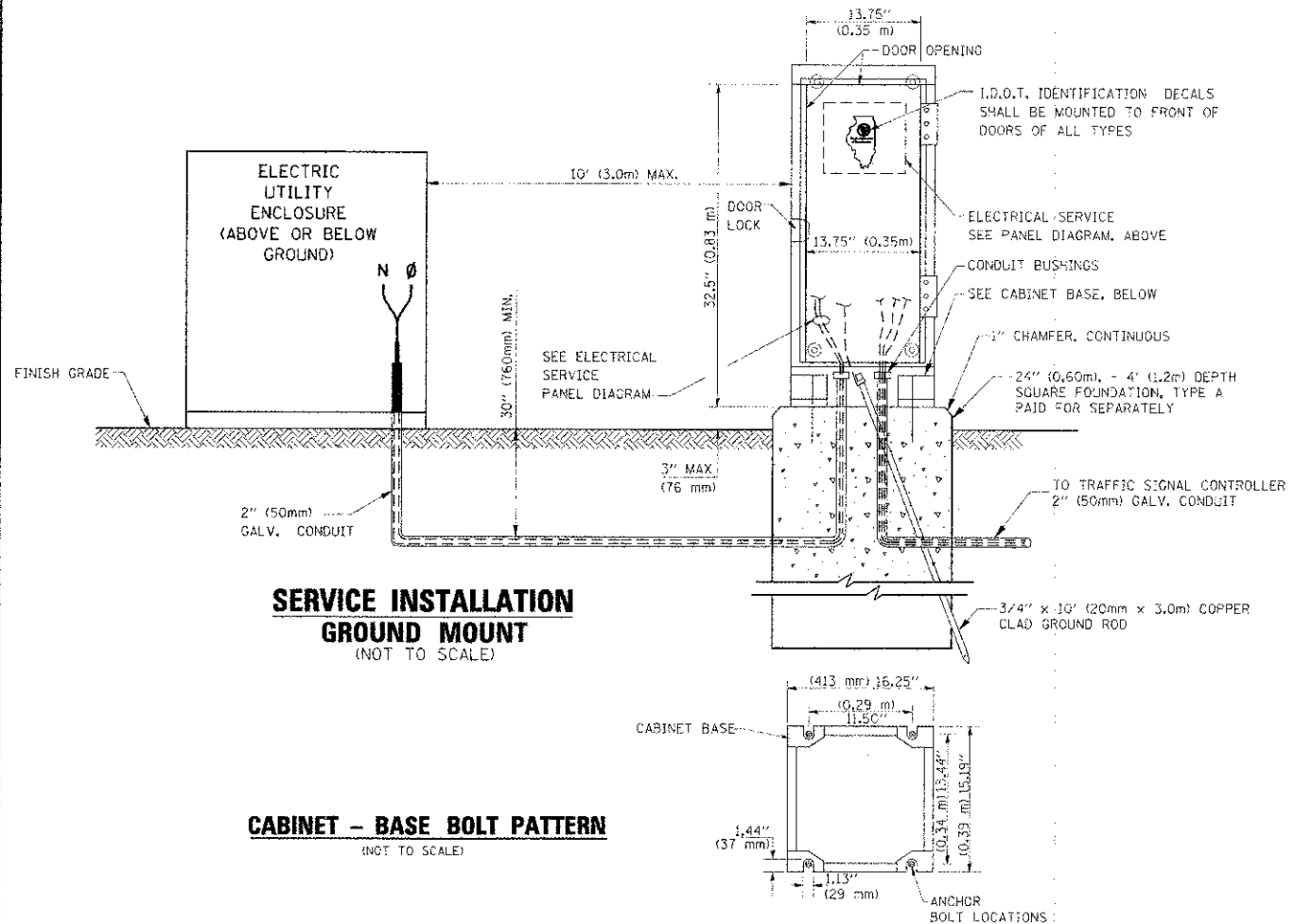
- 1 WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH.
- 2 WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- 3 WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- 4 NO. 14 2/C TWISTED, SHIELDED 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: 12/20/2012 08:52:37 AM
 DATE PLOTTED: 09/22/12 09:01:00 AM
 PLOT DEVICE: Standard Texas 8x11

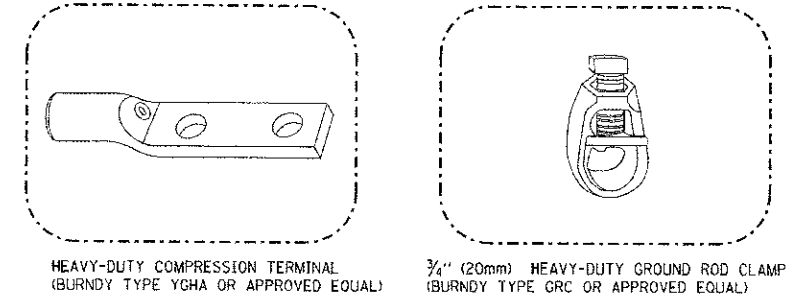
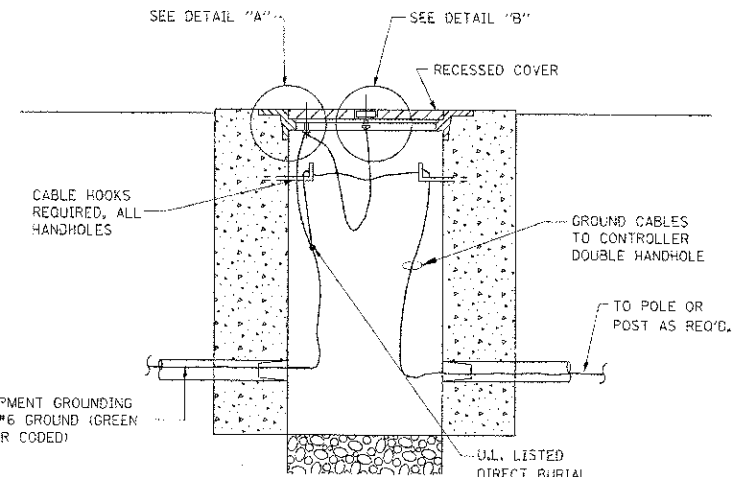
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DRAWN: BCK	CHECKED: DAD	DATE: 10/28/09	SCALE: SHEET NO. 1 OF 6 SHEETS			STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			
CONTRACT NO. 63515										



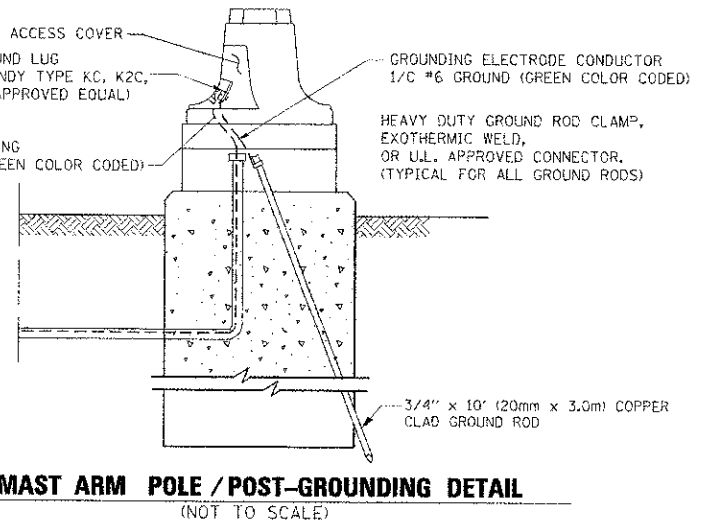
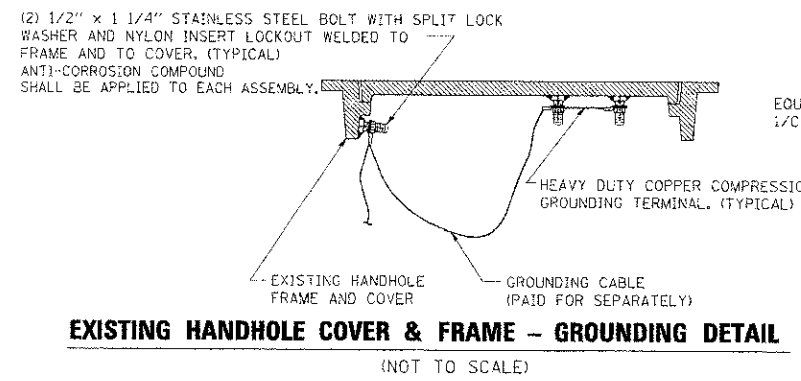
ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
 (NOT TO SCALE)



- 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.

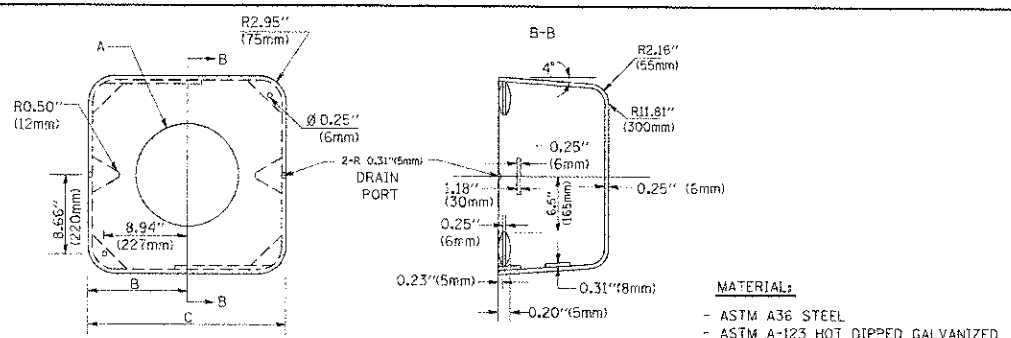
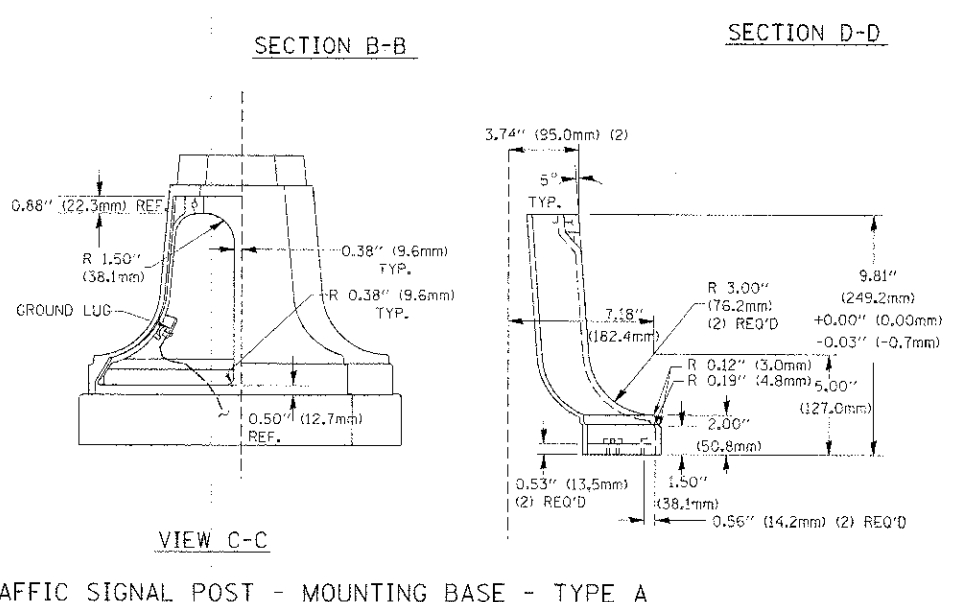
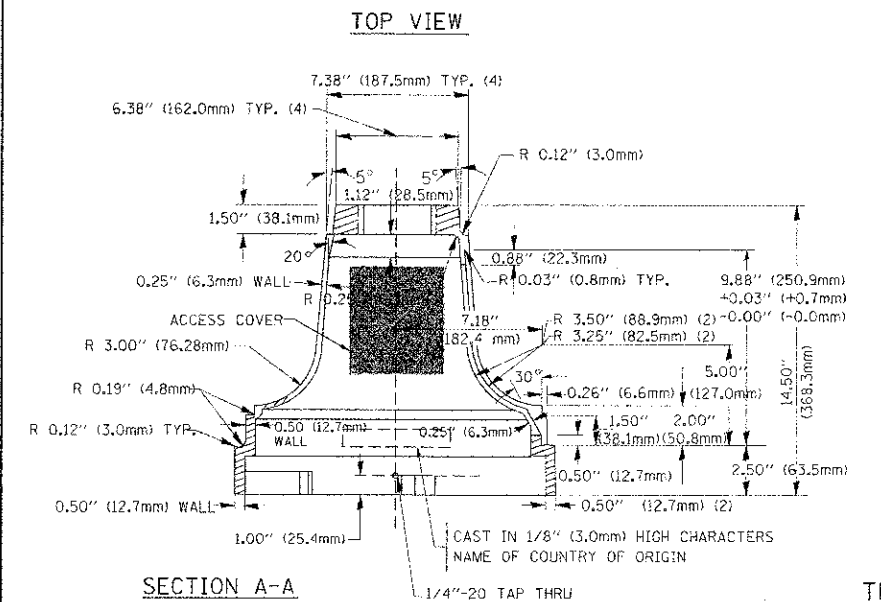
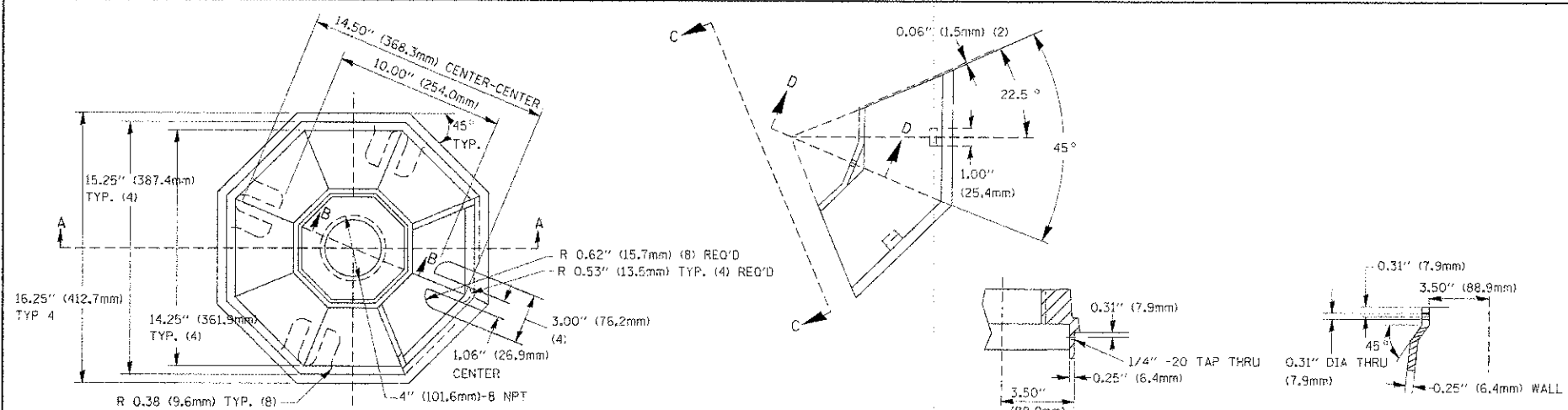


- NOTES:**
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
 - GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



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CLIENT: Standard Traffic	DATE PLOTTED: 12/19/2012 2:58:14 PM	DRAWN: BCK	REVISED: -			SCALE: -	SHEET NO. 3 OF 6 SHEETS	STA. -	TO STA. -	CONTRACT NO. 63515	FED. ROAD DIST. NO. ILLINOIS	FED. AID PROJECT
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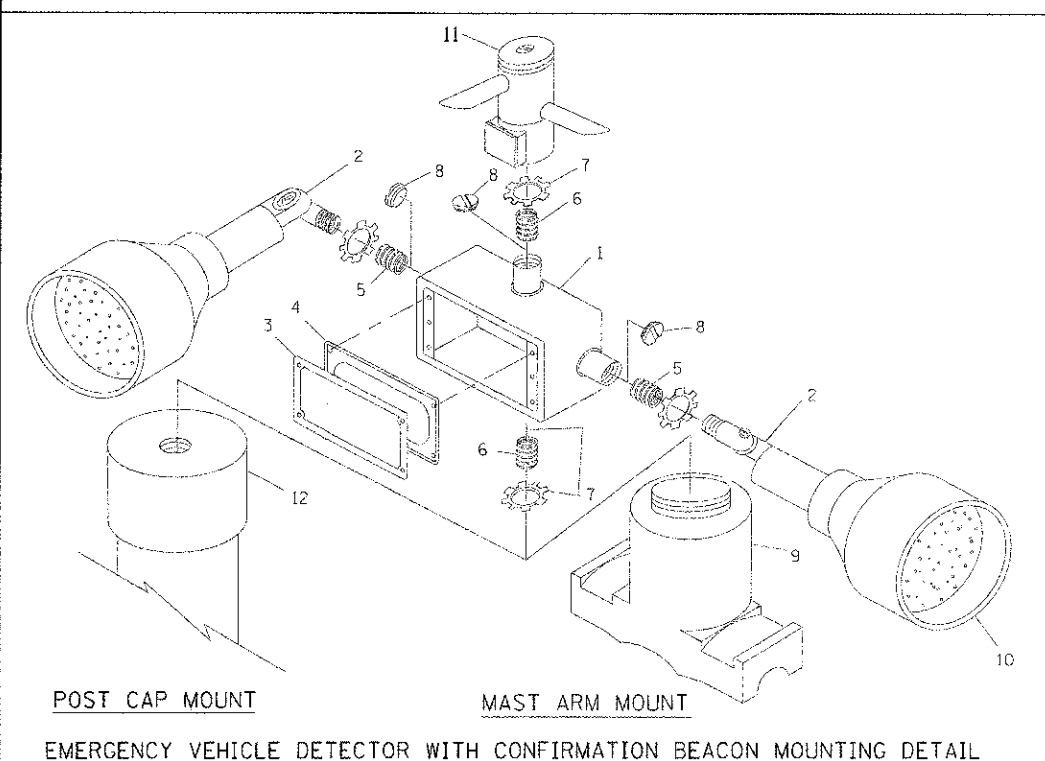
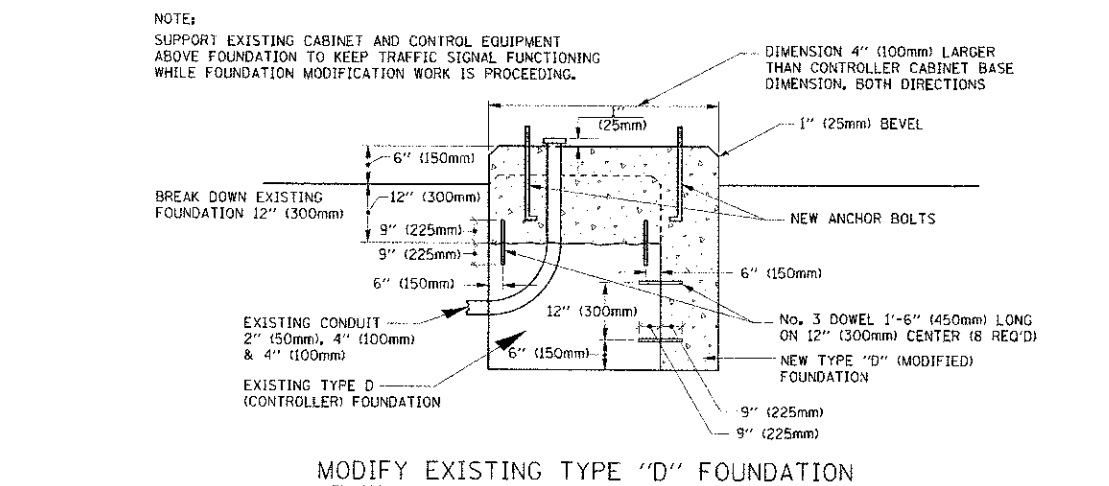


A	B	C	HEIGHT	WEIGHT
VARIABLES	9.5\" (241mm)	19\" (483mm)	7\" (178mm) - 12\" (300mm)	53 lbs (24kg)
VARIABLES	10.75\" (273mm)	21.5\" (546mm)	7\" (178mm) - 12\" (300mm)	68 lbs (31 kg)
VARIABLES	13.0\" (330mm)	26\" (660mm)	7\" (178mm) - 12\" (300mm)	81 lbs (37 kg)
VARIABLES	16.5\" (417mm)	37\" (940mm)	7\" (178mm) - 12\" (300mm)	126 lbs (57 kg)

SHROUD

NOTES:

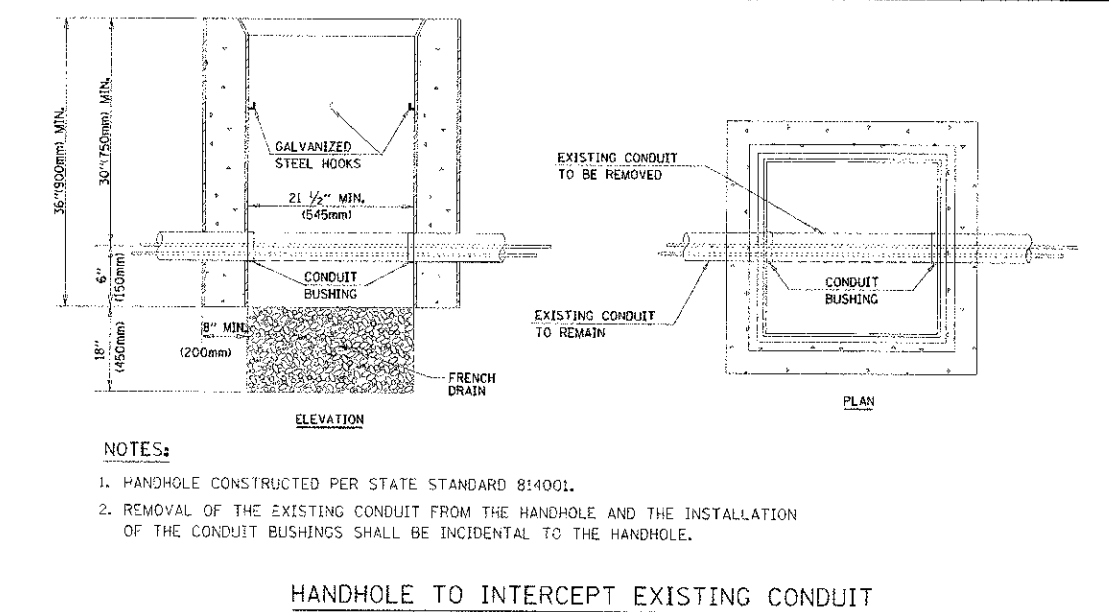
- DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
- THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
- THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.



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:

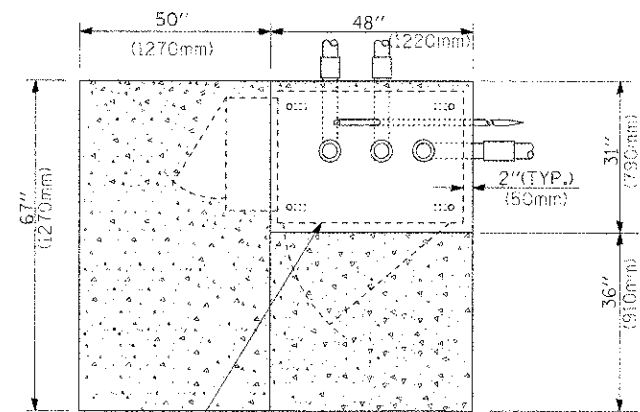
- ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
- ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
ITEM #2- MULBERRY CON-0-SHADE LAMP SHIELD OR EQUIVALENT
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
- WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION 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.



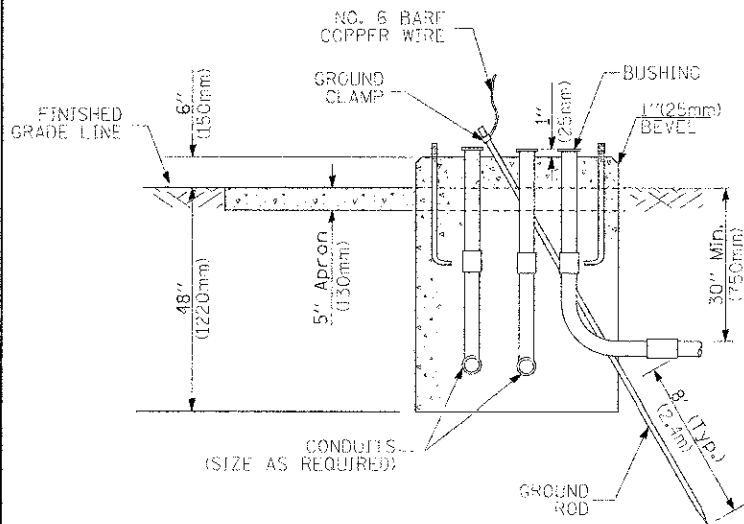
NOTES:

- HANDHOLE CONSTRUCTED PER STATE STANDARD 8:4001.
- REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCIDENTAL TO THE HANDHOLE.

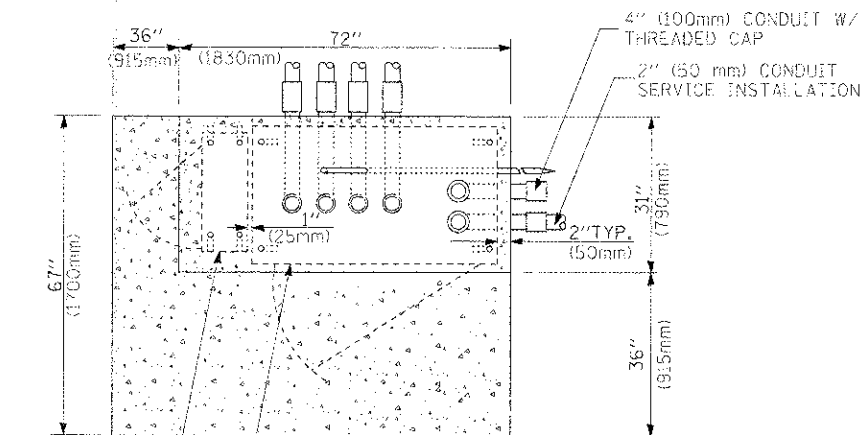
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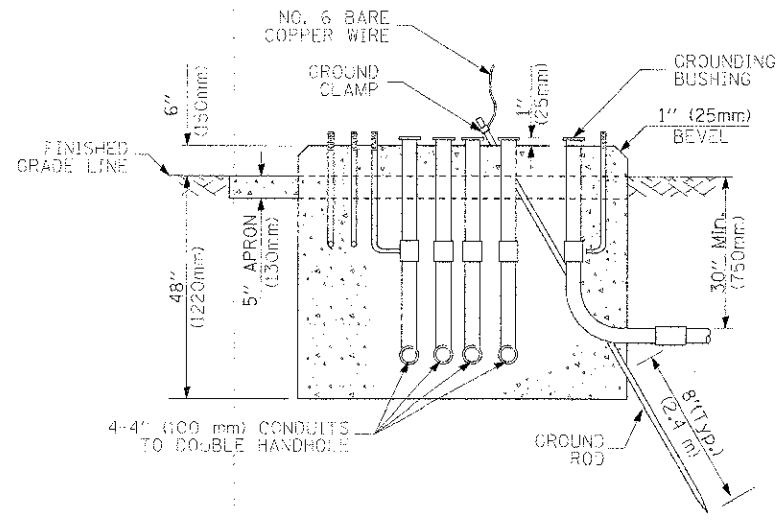
CONTROLLER CABINET BASE
EXISTING APRON
PROPOSED APRON
TOP VIEW



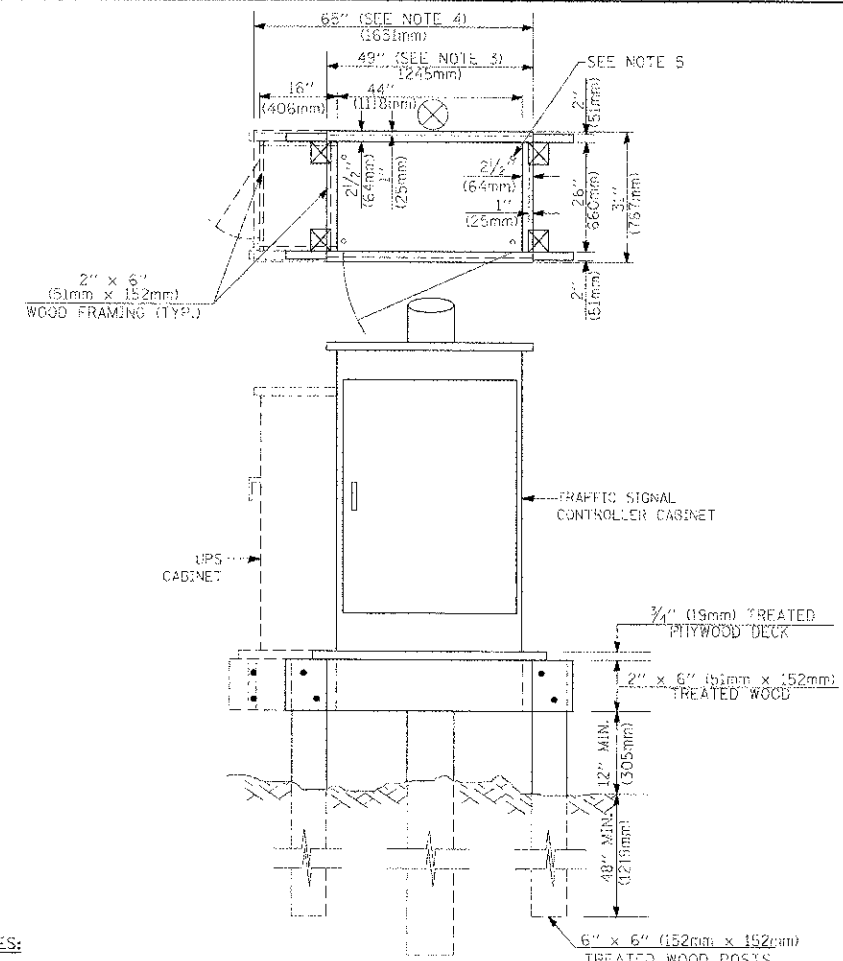
NO. 6 BARE COPPER WIRE
GROUND CLAMP
BUSHING
1" (25mm) BEVEL
30" MIN. (750mm)
8" (TYP.)
GROUND ROD
CONDUITS (SIZE AS REQUIRED)
TYPE D FOR GROUND MOUNTED CONTROLLER CABINET AND UPS BATTERY CABINET



4" (100mm) CONDUIT W/ THREADED CAP
2" (50 mm) CONDUIT SERVICE INSTALLATION
2" TYP. (50mm)
CONTROLLER CABINET BASE
UPS CABINET BASE
TOP VIEW
APRON



NO. 6 BARE COPPER WIRE
GROUND CLAMP
BUSHING
1" (25mm) BEVEL
30" MIN. (750mm)
8" (TYP.)
GROUND ROD
4-4" (100 mm) CONDUITS TO DOUBLE HANDHOLE
TYPE C FOR GROUND MOUNTED CONTROLLER CABINET AND UPS BATTERY CABINET



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	① 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(13)
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(13)
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 56' (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

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT 1
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: SHEET NO. 5 OF 6 SHEETS STA. TO STA.

F.A.U. RTE. 168	SECTION 05-00314-00-WR	COUNTY MCHEENRY	TOTAL SHEETS 187	SHEET NO. 107
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		CONTRACT NO. 63515

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																					
UNINTERRUPTIBLE POWER SUPPLY				JUNCTION BOX				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM12F																					
SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT				GALVANIZED STEEL CONDUIT IN TRENCH (T) OR PUSHED (P)				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM12F																					
TELEPHONE CONNECTION (P) POLE OR (G) GROUND MOUNT				TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE				FIBER OPTIC CABLE NO. 62.5/125, (NUMBER OF FIBERS & TYPE TO BE NOTED ON PLANS)																					
STEEL MAST ARM ASSEMBLY AND POLE				COMMON TRENCH				GROUND ROD AT (C) CONTROLLER, (H) HANDHOLE, (P) POST, (M) MAST ARM, OR (S) SERVICE																					
ALUMINUM MAST ARM ASSEMBLY AND POLE				COILABLE NONMETALLIC CONDUIT (EMPTY)				CONTROLLER CABINET AND FOUNDATION TO BE REMOVED																					
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE				SYSTEM ITEM				STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED																					
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH PTZ CAMERA				INTERSECTION ITEM				ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED																					
SIGNAL POST				REMOVE ITEM				STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE AND FOUNDATION TO BE REMOVED																					
TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MINIMUM				RELOCATE ITEM				SIGNAL POST AND FOUNDATION TO BE REMOVED																					
GUY WIRE				ABANDON ITEM				INTERSECTION & SAMPLING (SYSTEM) DETECTOR																					
SIGNAL HEAD				12" (300mm) TRAFFIC SIGNAL SECTION				SAMPLING (SYSTEM) DETECTOR																					
SIGNAL HEAD CONSTRUCTION STAGES (NUMBERS INDICATE THE CONSTRUCTION STAGE)				12" (300mm) RED WITH 8" (200mm) YELLOW AND GREEN TRAFFIC SIGNAL FACE				EXISTING INTERSECTION LOOP DETECTOR PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR																					
SIGNAL HEAD WITH BACKPLATE				SIGNAL FACE				EXISTING PERFORMED INTERSECTION LOOP DETECTOR PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR																					
SIGNAL HEAD OPTICALLY PROGRAMMED				SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD				PERFORMED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR																					
FLASHER INSTALLATION (S DENOTES SOLAR POWER)				12" (300mm) PEDESTRIAN SIGNAL HEAD WALK/DON'T WALK SYMBOL				PERFORMED SAMPLING (SYSTEM) DETECTOR																					
PEDESTRIAN SIGNAL HEAD				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, OUTLINED				<h2 style="margin: 0;">RAILROAD SYMBOLS</h2> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%;">EXISTING</th> <th style="width: 25%;">PROPOSED</th> </tr> </thead> <tbody> <tr> <td>RAILROAD CONTROL CABINET</td> <td></td> <td></td> </tr> <tr> <td>RAILROAD CANTILEVER MAST ARM</td> <td></td> <td></td> </tr> <tr> <td>FLASHING SIGNAL</td> <td></td> <td></td> </tr> <tr> <td>CROSSING GATE</td> <td></td> <td></td> </tr> <tr> <td>CROSSBUCK</td> <td></td> <td></td> </tr> </tbody> </table>					EXISTING	PROPOSED	RAILROAD CONTROL CABINET			RAILROAD CANTILEVER MAST ARM			FLASHING SIGNAL			CROSSING GATE			CROSSBUCK		
	EXISTING	PROPOSED																											
RAILROAD CONTROL CABINET																													
RAILROAD CANTILEVER MAST ARM																													
FLASHING SIGNAL																													
CROSSING GATE																													
CROSSBUCK																													
PEDESTRIAN PUSHBUTTON DETECTOR				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, SOLID																									
ACCESSIBLE PEDESTRIAN PUSHBUTTON DETECTOR				PEDESTRIAN SIGNAL HEAD, INTERNATIONAL SYMBOL, WITH COUNTDOWN TIMER																									
ILLUMINATED SIGN "NO LEFT TURN"				RADIO INTERCONNECT																									
ILLUMINATED SIGN "NO RIGHT TURN"				RADIO REPEATER																									
DETECTOR LOOP, TYPE I				DENOTES NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE, ALL DETECTOR LOOP CABLE TO BE SHIELDED																									
PERFORMED DETECTOR LOOP				GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)																									
MICROWAVE VEHICLE SENSOR																													
VIDEO DETECTION CAMERA																													
VIDEO DETECTION ZONE																													
PAN, TILT, ZOOM CAMERA																													
WIRELESS DETECTOR SENSOR																													
WIRELESS ACCESS POINT																													

GENERAL ELECTRICAL PLAN NOTES












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

SUMMARY OF QUANTITIES - ROADWAY LIGHTING IMPROVEMENT

PAY ITEM	DESCRIPTION	UNIT	QUANTITY
80400100	ELECTRIC SERVICE INSTALLATION	EACH	2
* 80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	416
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	261
81603050	UNIT DUCT, 600V, 3-1/C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	720
81603090	UNIT DUCT, 600V, 3-1/C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	1,460
81702440	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 1/0	FOOT	90
82500350	LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 100AMP	EACH	1
82500370	LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 200AMP	EACH	1
83007400	LIGHT POLE, ALUMINUM, 35 FT. M.H., 10 FT. MAST ARM	EACH	7
83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	63
83600350	LIGHT POLE FOUNDATION, METAL, 11" BOLT CIRCLE, 8" X 6'	EACH	20
83800105	BREAKAWAY DEVICE, TRANSFORMER BASE, 11.5 INCH BOLT CIRCLE	EACH	7
87800200	CONCRETE FOUNDATION, TYPE D	FOOT	6
*	LUMINAIRE, METAL HALIDE, 175 WATT	EACH	9
*	ORNAMENTAL LIGHT UNIT WITH BANNER COMPLETE	EACH	10
*	ORNAMENTAL LIGHT UNIT WITH PLANTER, COMPLETE	EACH	10

* REQUIRES SPECIAL PROVISIONS

LEGEND

-  LIGHTING UNIT: 35 FT MH, 10 FT MA 175W MH, MCIII LUMINAIRE WITH BREAKAWAY DEVICE
-  COMBINATION SIGNAL/LIGHTING UNIT
40 FT, 15 FT MA, 175W MH MCIII LUMINAIRE
-  HANDHOLE
-  UNIT DUCT (SIZE AS NOTED ON PLANS)
-  ELECTRIC CABLE IN CONDUIT 3-1/C #1/0 (EPR-TYPE USE)
-  UTILITY SERVICE CONNECTION, POLE MOUNTED
-  LIGHTING CONTROLLER
-  UNDERGROUND RIGID GALVANIZED STEEL CONDUIT
-  GROUND ROD
-  ORNAMENTAL LIGHT UNIT WITH BANNER: 17'-7" FT MH, 2 FT MA 70W MH LUMINAIRE (UNITS ON CIRCUITS "A" AND "C")
-  ORNAMENTAL LIGHT UNIT WITH PLANTER: 17'-7" FT MH, 2 FT MA 70W MH LUMINAIRE (UNITS ON CIRCUITS "B" AND "D")

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 DATE PLOTTED: 12/19/2012 3:16:04 PM
 FILE NAME: RLP-01.dgn
 PLOT NUMBER: 187
 PLOT DATE: 12/19/2012

HRGreen
 Illinois Professional Design Firm
 # 184-001322

USER NAME : jettene	DESIGNED -	REVISED -
FILE NAME : RLP-01.dgn	DRAWN -	REVISED -
PLOT SCALE :	CHECKED -	REVISED -
PLOT DATE : 12/19/2012	DATE - 12/19/12	REVISED -

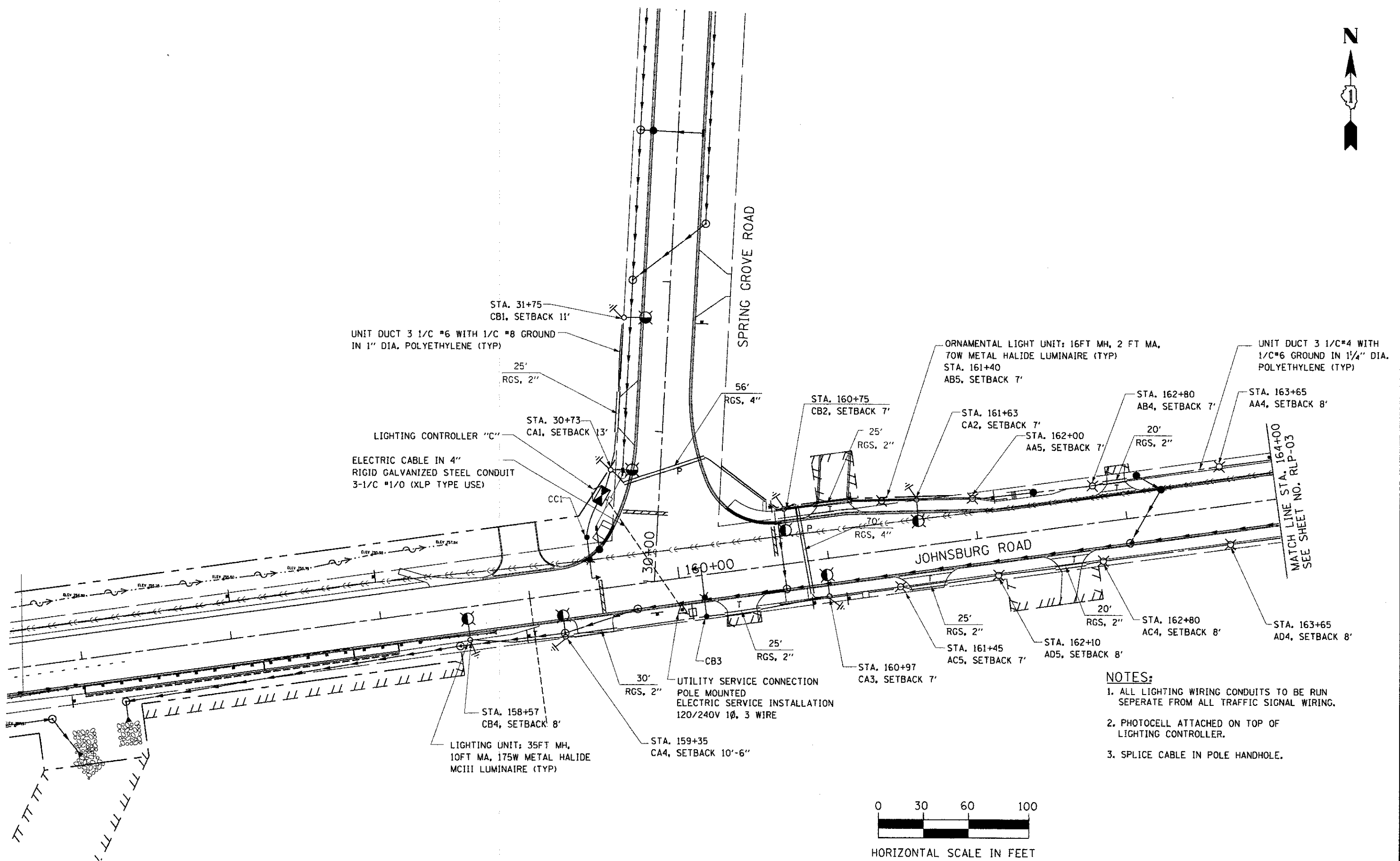
**MCHENRY COUNTY
 DIVISION OF TRANSPORTATION**

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

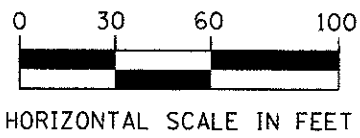
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	109
CONTRACT NO.				63515
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

RLP-01



- NOTES:**
1. ALL LIGHTING WIRING CONDUITS TO BE RUN SEPERATE FROM ALL TRAFFIC SIGNAL WIRING.
 2. PHOTOCELL ATTACHED ON TOP OF LIGHTING CONTROLLER.
 3. SPLICE CABLE IN POLE HANDHOLE.



12/19/2012 3:46:12 PM
 RLP-02.dgn
 RLP-02.dgn
 RLP-02.dgn



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FILE NAME = RLP-02.dgn	DRAWN -	REVISED -
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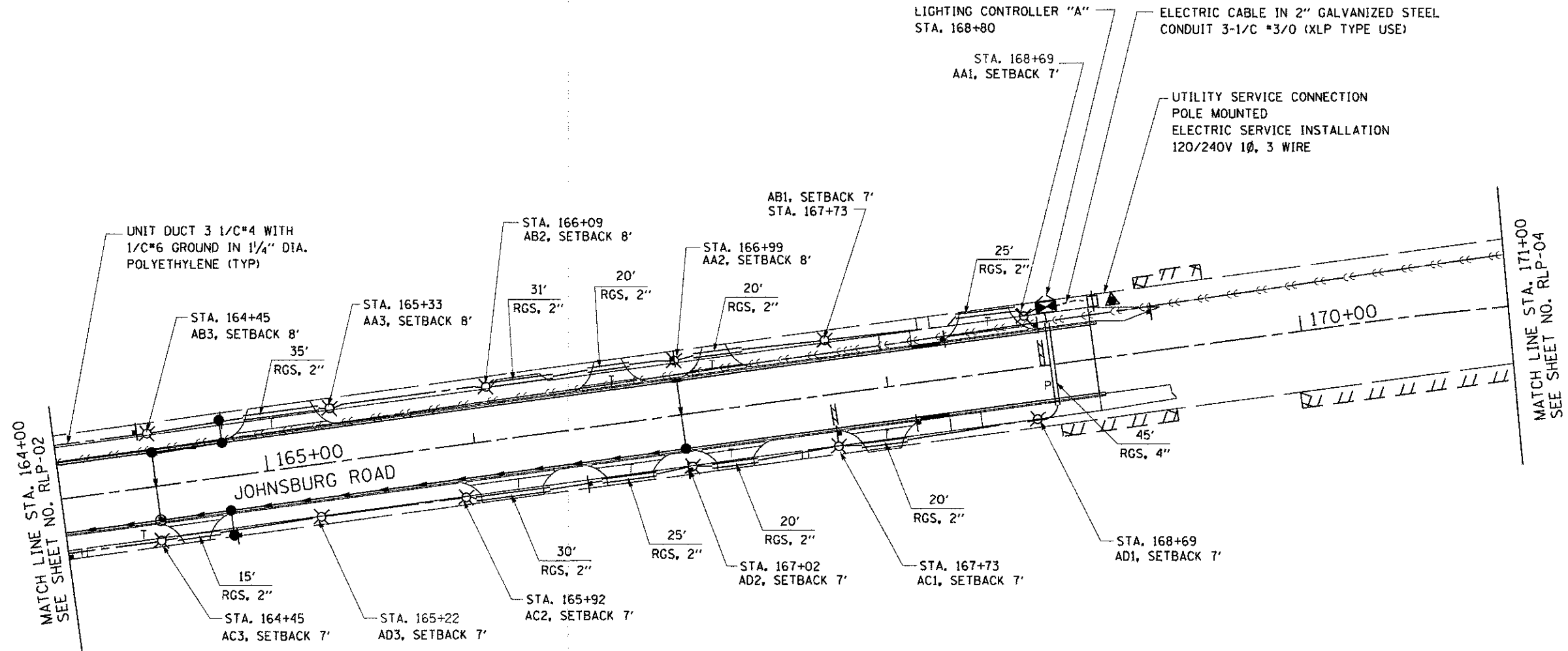
**MCHENRY COUNTY
 DIVISION OF TRANSPORTATION**

LIGHTING PLAN

SCALE: SHEET NO. 2 OF 13 SHEETS STA. TO STA.

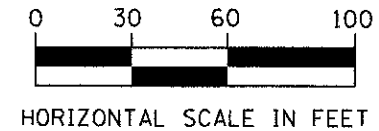
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168	05-00314-00-WR	MCHENRY	187	110
CONTRACT NO. 63515				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

RLP-02



NOTES:

1. LIGHT POLE SET BACK SHALL BE FROM BACK OF CURB TO CENTER OF POLE. 7' SETBACK IS WITHIN SIDEWALK, 8' SETBACK IS ONE FOOT BEYOND SIDEWALK.
2. ALL UNIT DUCT FOR CIRCUITS G & H SHALL BE 3 1/2" * 2 WITH 1/2" * 4 GROUND IN 1/4" DIA. POLYETHYLENE.



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 PROJECT CONTACT: HRGreen.com
 CLIENT: MCHENRY COUNTY
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 FILE NAME: RLP-03.dgn
 PLOT SCALE: 1" = 30'
 PLOT DATE: 12/19/2012



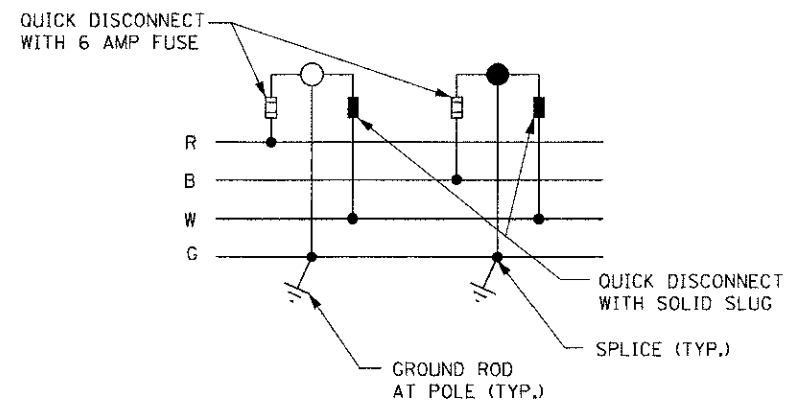
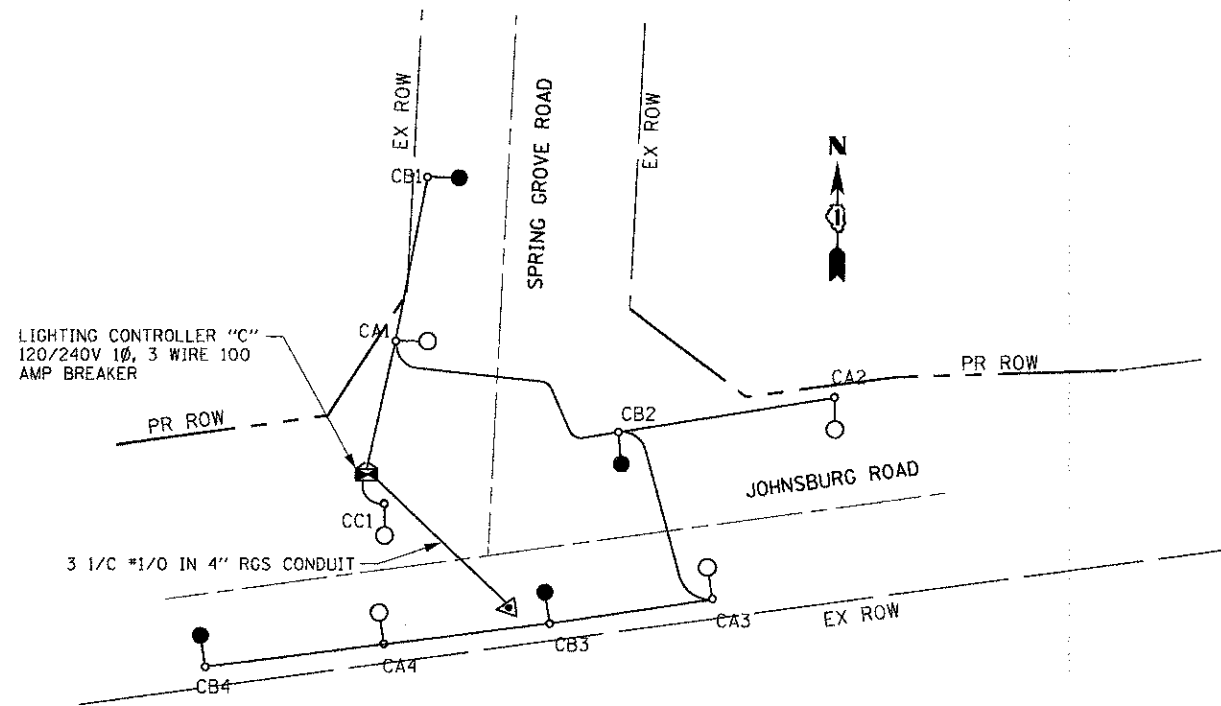
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PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 12/19/2012	DATE = 12/19/12	REVISED -

**MCHENRY COUNTY
DIVISION OF TRANSPORTATION**

LIGHTING PLAN	
SCALE:	SHEET NO. 3 OF 13 SHEETS
STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	111
CONTRACT NO.			63515	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

RLP-03



CONTROLLER "C"

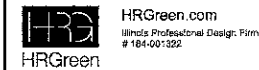
CIRCUIT	AMPS	VA	CIRCUIT	AMPS	VA
A	7.2	864	B	7.2	864
C	1.8	216	D	SPARE	SPARE
E	SPARE	SPARE	F	SPARE	SPARE
G	SPARE	SPARE	H	SPARE	SPARE
TOTAL	9.00	1080	TOTAL	7.2	864

LOAD DATA:
175W, 120V LUMINAIRE: 1.8A

LEGEND

- LUMINAIRE 175W METAL HALIDE, ON RED CIRCUIT, 120V
- LUMINAIRE 175W METAL HALIDE, ON BLACK CIRCUIT, 120V
- LIGHTING CONTROLLER "C"
- UTILITY SERVICE CONNECTION POLE MOUNTED
- UNIT DUCT 3 1/2" #6 WITH 1/2" #8 GROUND

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: #184-001322
 CLIENT: 12/19/2012 3:16:26 PM
 DATE PLOTTED: RLP-05.dgn
 FILE NAME: pof_bv_no_level/rlp05a
 PLOT DRIVER: standard-trans.tbl
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PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 12/19/2012	DATE = 12/19/12	REVISED -

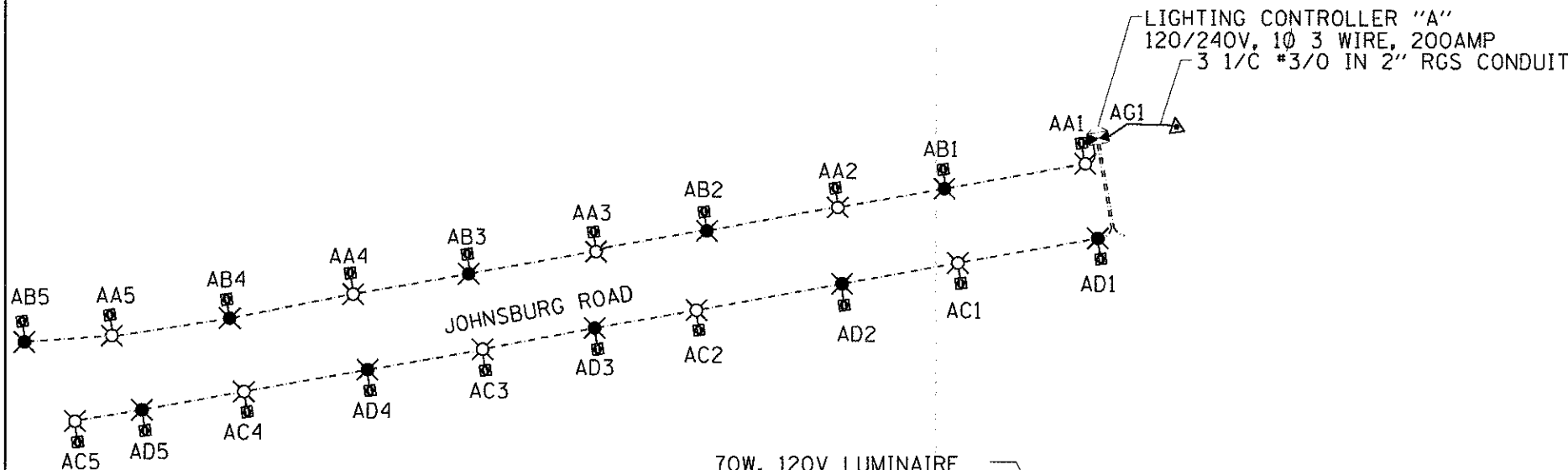
**MCHENRY COUNTY
DIVISION OF TRANSPORTATION**

**LIGHTING PLAN
WIRING DIAGRAMS**

SCALE: SHEET NO. 4 OF 13 SHEETS STA. TO STA.

F.A.U. RTE. 168	SECTION 05-00314-00-WR	COUNTY MCHENRY	TOTAL SHEETS 187	SHEET NO. 112
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 63515	

RLP-05

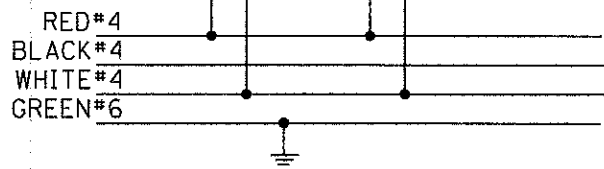


70W, 120V LUMINAIRE

15A DUPLEX GFI UL LISTED

TWO POLE QUICK DISCONNECT WITH 6 AMP FUSE AND SOLID SLUG

TWO POLE QUICK DISCONNECT WITH 3 AMP FUSE AND SOLID SLUG



SINGLE POLE WIRING

CONTROLLER "A"

CIRCUIT	RED		BLACK		
	AMPS@ 120V	VA	CIRCUIT	AMPS@ 120V	VA
A	19.0	2,280	B	19.0	2,280
C	19.0	2,280	D	19.0	2,280
E	SPARE	SPARE	F	SPARE	SPARE
G	SPARE	SPARE	H	SPARE	SPARE
I	SPARE	SPARE	J	SPARE	SPARE
TOTAL	38.0	4,560	TOTAL	38.0	4,560
TOTAL LOAD 76.0 A					

LOAD DATA:

70W, 120V LUMINAIRE: 0.8A
 15A RECEPTACLE, 120V: 3A
 TOTAL LOAD/LTG UNIT: 3.8A

VOLTAGE PROP:

LONGEST CIRCUIT (CIRCUIT "C"): 4.3%

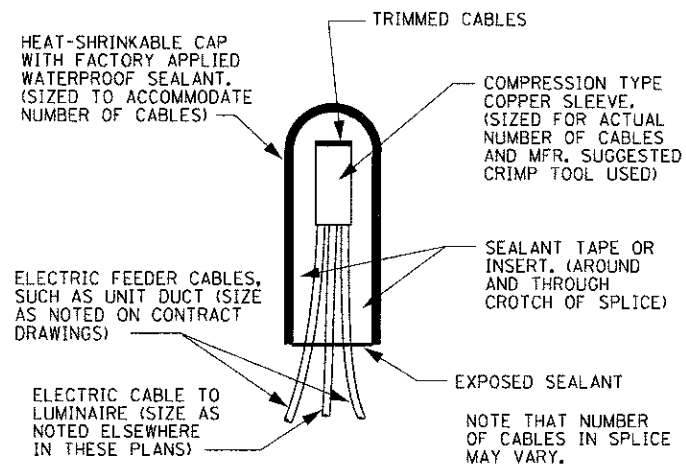
LEGEND

- LUMINAIRE, 70 W, 120 V METAL HALIDE, ON RED CIRCUIT
- LUMINAIRE, 70 W, 120 V METAL HALIDE, ON BLACK CIRCUIT
- LIGHTING CONTROLLER
- UNIT DUCT 3 1/C #4 WITH 1/C #6 GROUND
- 15A DUPLEX GFI
- UTILITY SERVICE CONNECTION POLE MOUNTED

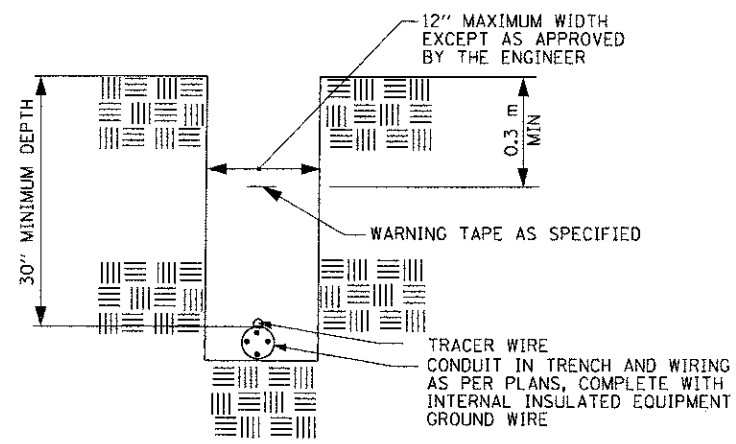
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 PROJECT CONTACT: HRGreen.com
 DATE PLOTTED: 12/19/2012 8:16:29 PM
 FILE NAME: RLP-06.dgn
 PLOT DRIVER: acf.plt
 PEN TABLE: standard-trans.tbl

HRGreen.com Linda Professional Design Firm # 18-031322	USER NAME = jettano	DESIGNED -	REVISED -	MCHENRY COUNTY DIVISION OF TRANSPORTATION	LIGHTING PLAN WIRING DIAGRAMS		F.A.U. RTE. 168	SECTION 05-00314-00-WR	COUNTY MCHENRY	TOTAL SHEETS 187	SHEET NO. 113
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	PLOT SCALE =	CHECKED -	REVISED -								
	PLOT DATE = 12/19/2012	DATE = 12/19/12	REVISED -								

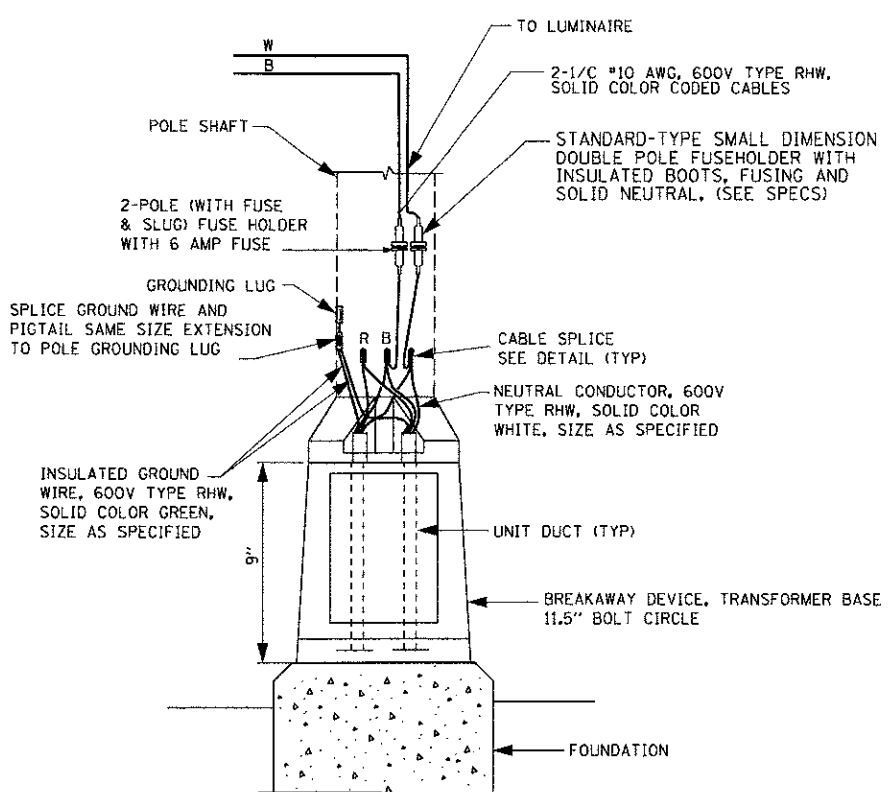
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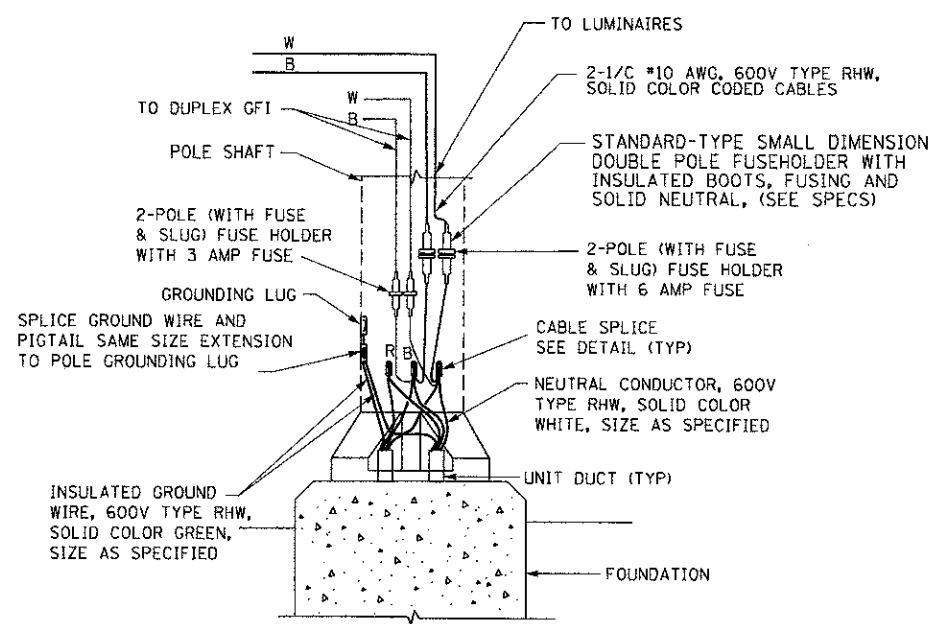
SPLICING DETAIL
N.T.S.



TYPICAL CONDUIT IN TRENCH DETAIL
N.T.S.



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



DECORATIVE POLE BASE WIRING DIAGRAM
N.T.S.

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

COMPANY NAME: HRGreen
PROJECT CONTACT: HRGreen.com
DATE PLOTTED: 12/19/2012 3:16:54 PM
FILE NAME: RLP-07.dgn
PLOT BY: jettana
PLOT DATE: 12/19/2012

HRGreen
Illinois Professional Design Firm
#184-001822

USER NAME: jettana	DESIGNED: -	REVISED: -
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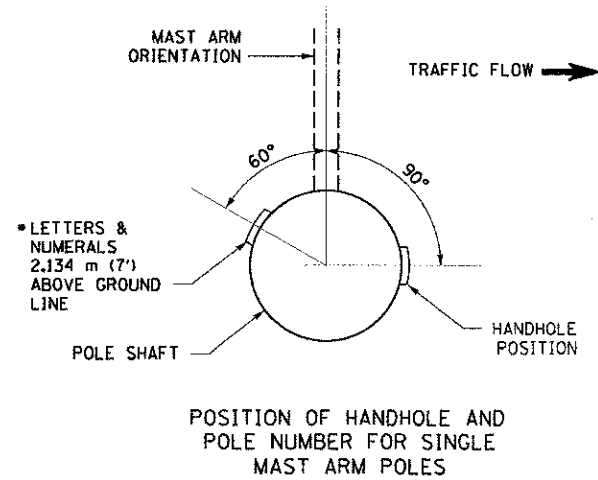
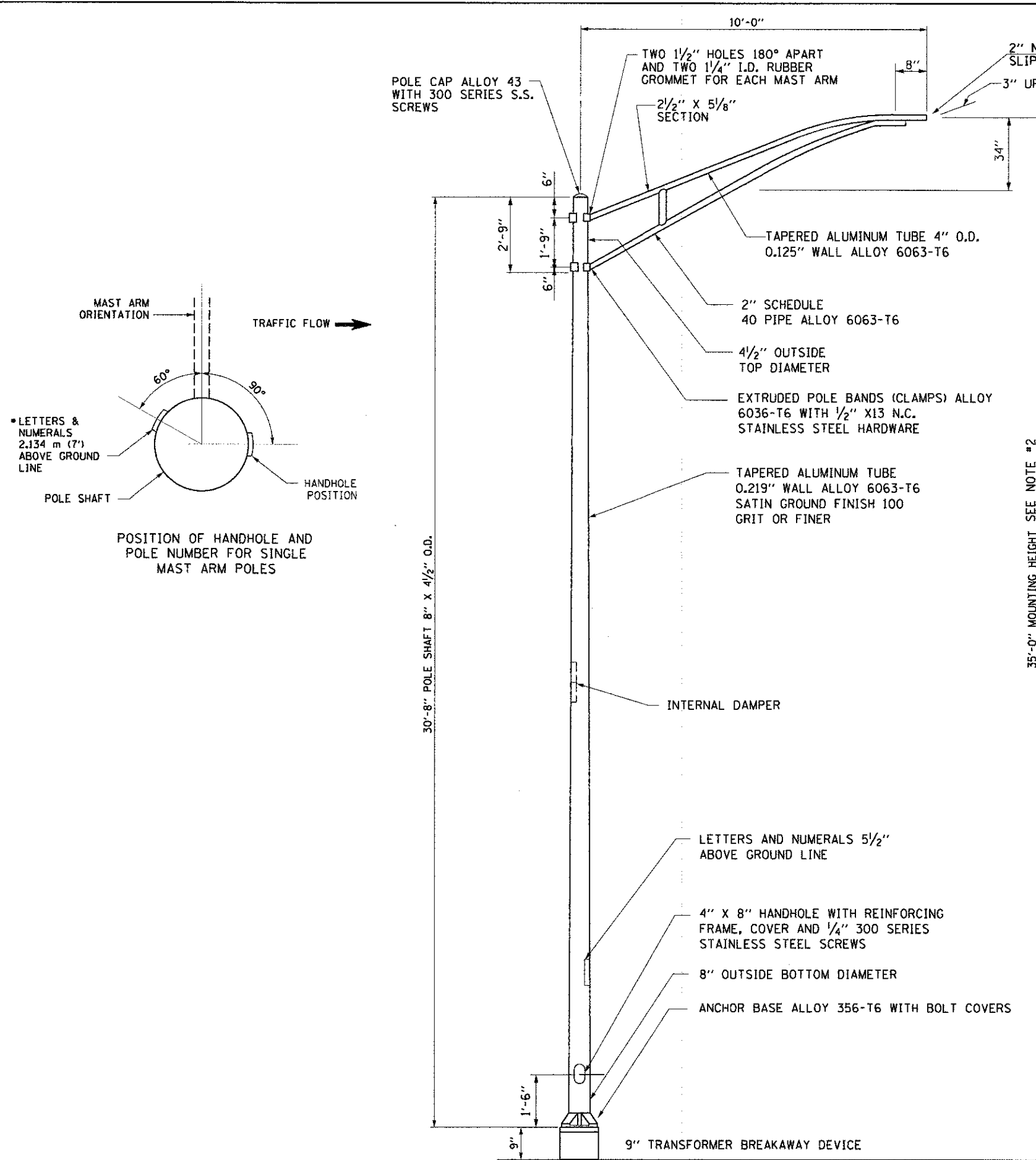
MCHENRY COUNTY
DIVISION OF TRANSPORTATION

LIGHTING PLAN
MISCELLANEOUS ELECTRICAL DETAILS

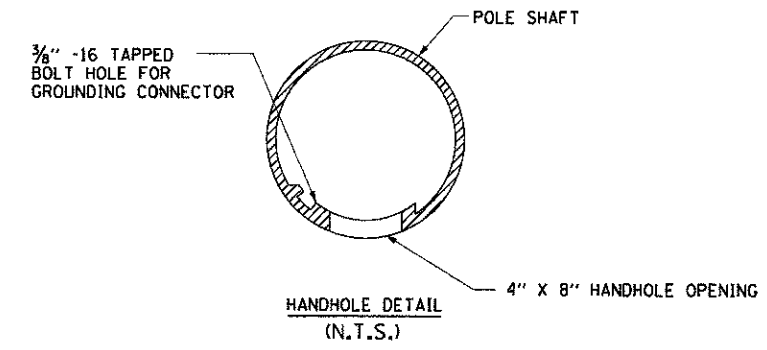
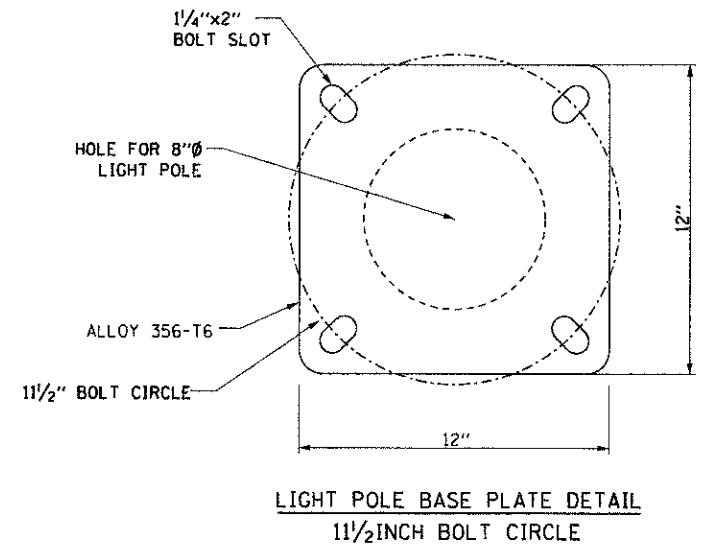
SCALE: SHEET NO. 6 OF 13 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	114
CONTRACT NO. 63515			FED. ROAD DIST. NO. (ILLINOIS) FED. AID PROJECT	

RLP-07



- NOTES:**
1. ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.
 2. MOUNTING HEIGHT IS DEFINED AS THE DISTANCE FROM THE CENTERLINE OF THE TENON TO THE BOTTOM OF THE ANCHOR BASE.
 3. THE LIGHT POLE WILL MEET AASHTO DESIGN CRITERIA AS SPECIFIED.
 4. THE INSTALLING CONTRACTOR WILL PROVIDE A UL LISTED GROUNDING CONNECTOR, BURNDY K2C23, T & B SP4DL OR APPROVED EQUAL.
 5. LIGHT POLES WILL NOT BE INSTALLED WITHOUT MAST ARMS AND LUMINAIRES.
 6. LIGHT POLES WILL BE SET PLUMB ON THE FOUNDATION WITHOUT THE USE OF LEVELING NUTS, WASHERS OR SHIMS.



COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 DATE PLOTTED: 12/19/2012 3:46:20 PM
 FILE NAME: RLP-08.dgn
 PLOT DRIVER: pdf.plt
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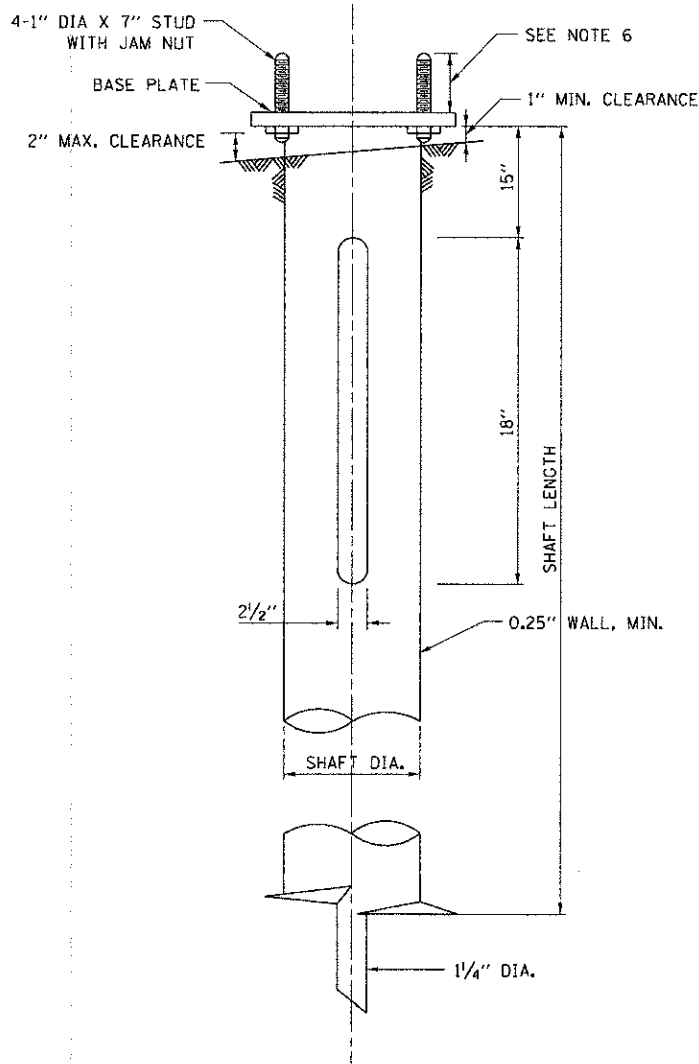
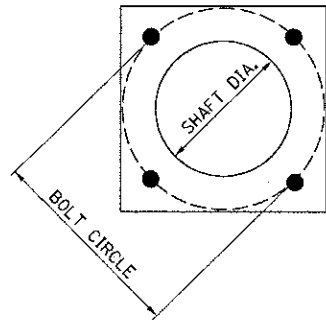
**MCHENRY COUNTY
 DIVISION OF TRANSPORTATION**

LIGHTING PLAN	
ALUMINUM LIGHT POLE 35'-0" MOUNTING HEIGHT	
SCALE:	SHEET NO. 7 OF 13 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	115
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

RLP-08

CONTRACT NO. 63515



NOTES:

1. ALL DIMENSION IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. ALL MATERIAL SHALL BE GALVANIZED ACCORDING TO AASHTO M111, UNLESS OTHERWISE SPECIFIED.
3. ALL WELDS SHALL BE CONTINUOUS AND NOT LESS THAN 1/4" (6.35 MM) FILLET WELDS. THE WELDED FOUNDATION SHALL BE CAPABLE OF WITHSTANDING 10,000 FT/LBS (13558.18 nm) OF INSTALLATION TORQUE APPLIED ABOUT THE AXIS OF THE FOUNDATION.
4. THE HELIX FOUNDATION SHAFT SHALL BE INSTALLED VERTICAL AND THE BASE PLATE SHALL BE IN LEVEL. THE BREAKAWAY COUPLINGS AND HARDWARE SHALL NOT BE USED TO ALIGN THE POLE INSTALLATION.
5. THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE INSTALLATION OF THE LIGHT POLE.
6. THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF THE BASE PLATE WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS.
7. ANY VOIDS WITHIN THE METAL FOUNDATION SHALL BE FILLED WITH FINE AGGREGATE.
8. METAL FOUNDATIONS SHALL BE INSTALLED IN UNDISTURBED SOIL. PREDRILLING A PILOT HOLE AND/OR BACKFILLING AROUND THE FOUNDATION IS NOT ALLOWED.
9. THE METAL FOUNDATION SHALL NOT BE INSTALLED TO A TORQUE WHICH EXCEEDS THE MANUFACTURER'S MAXIMUM TORQUE RATING NOR SHALL IT BE INSTALLED TO AN INSTALLATION TORQUE VALUE OF LESS THAN 3,500 FT LB (4,750 KNM), METAL FOUNDATIONS THAT ARE NOT INSTALLED TO FULL INSTALLATION DEPTH OR DO NOT ACHIEVE THE MINIMUM INSTALLATION TORQUE SHALL BE REMOVED AND REPLACED WITH A CONCRETE FOUNDATION AT NO ADDITIONAL COST.
10. THE BASE PLATE SHALL BE PERPENDICULAR TO THE SHAFT AXIS ($\pm 1^\circ$) AND THE HOLE CENTERLINE SHALL BE CONCENTRIC (± 0.188) TO THE SHAFT AXIS.
11. THE PILOT AND SHAFT AXIS SHALL BE CONCENTRIC (± 0.125) AND IN LINE ($\pm 2^\circ$).
12. THE BASE PLATE SHALL BE STAMPED WITH THE MANUFACTURER'S NAME AND DATE OF MANUFACTURE.

HELIX FOUNDATION SIZE

POLE MOUNTING HEIGHT	BOLT CIRCLE	SHAFT DIAMETER	SHAFT LENGTH	BASE PLATE
30 FT.	11 1/2"	8 5/8"	6 FT.	12"X12"X1"
31 FT. TO 35 FT.	11 1/2"	8 5/8"	6 FT.	12"X12"X1"
36 FT. TO 40 FT.	15"	8 5/8"	6 FT.	15"X15"X1 1/4"
41 FT. TO 45 FT.	15"	8 5/8"	6 FT.	15"X15"X1 1/4"
46 FT. TO 50 FT.	15"	10"	8 FT.	15"X15"X1 1/4"

METAL HELIX FOUNDATION MATERIALS

ITEM	METAL REQUIREMENT
BASE PLATE	AASHTO M 270M, GRADE 36 (M 270M, GRADE 250)
SHAFT	ASTM A 252, GRADE 2 (PHOSPHOROUS 0.04% MAXIMUM, SULFUR 0.05% MAXIMUM)
HELIX SCREW	AASHTO M 183 (ASTM A 635)
PILOT POINT	AASHTO M 270 (ASTM A 575)
ANCHOR RODS/STUDS	AASHTO M 314 (ASTM F 1554)
HEXAGON NUTS	AASHTO M 291 (ASTM A 563) GRADE DH OR AASHTO M 292 (ASTM A 194) GRADE 2H
WASHERS	AASHTO M 293 (ASTM F 436)

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 CLIENT: Illinois Professional Design Firm
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HRGreen
 HRGreen.com
 Illinois Professional Design Firm
 # 184-001322

USER NAME = jattone	DESIGNED -	REVISED -
FILE NAME = RLP-09.dgn	DRAWN -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 12/19/2012	DATE = 12/19/12	REVISED -

**MCHENRY COUNTY
 DIVISION OF TRANSPORTATION**

**LIGHTING PLAN
 LIGHT POLE FOUNDATION, METAL**

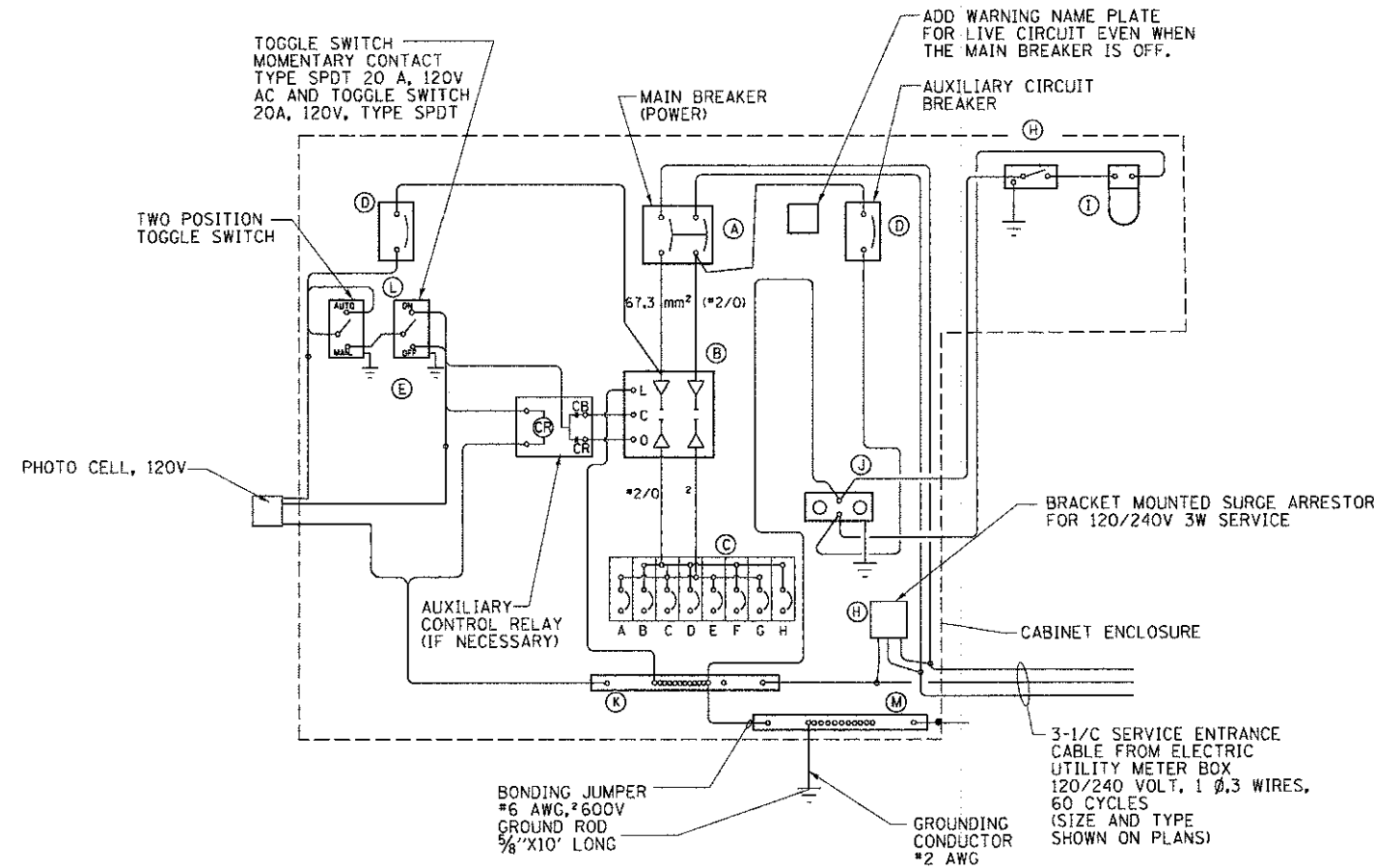
F.A.U. RTE. 168	SECTION 05-00314-00-WR	COUNTY MCHENRY	TOTAL SHEETS 187	SHEET NO. 116
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63515	

RLP-09

SCALE: SHEET NO. 8 OF 13 SHEETS STA. TO STA.

PANEL EQUIPMENT

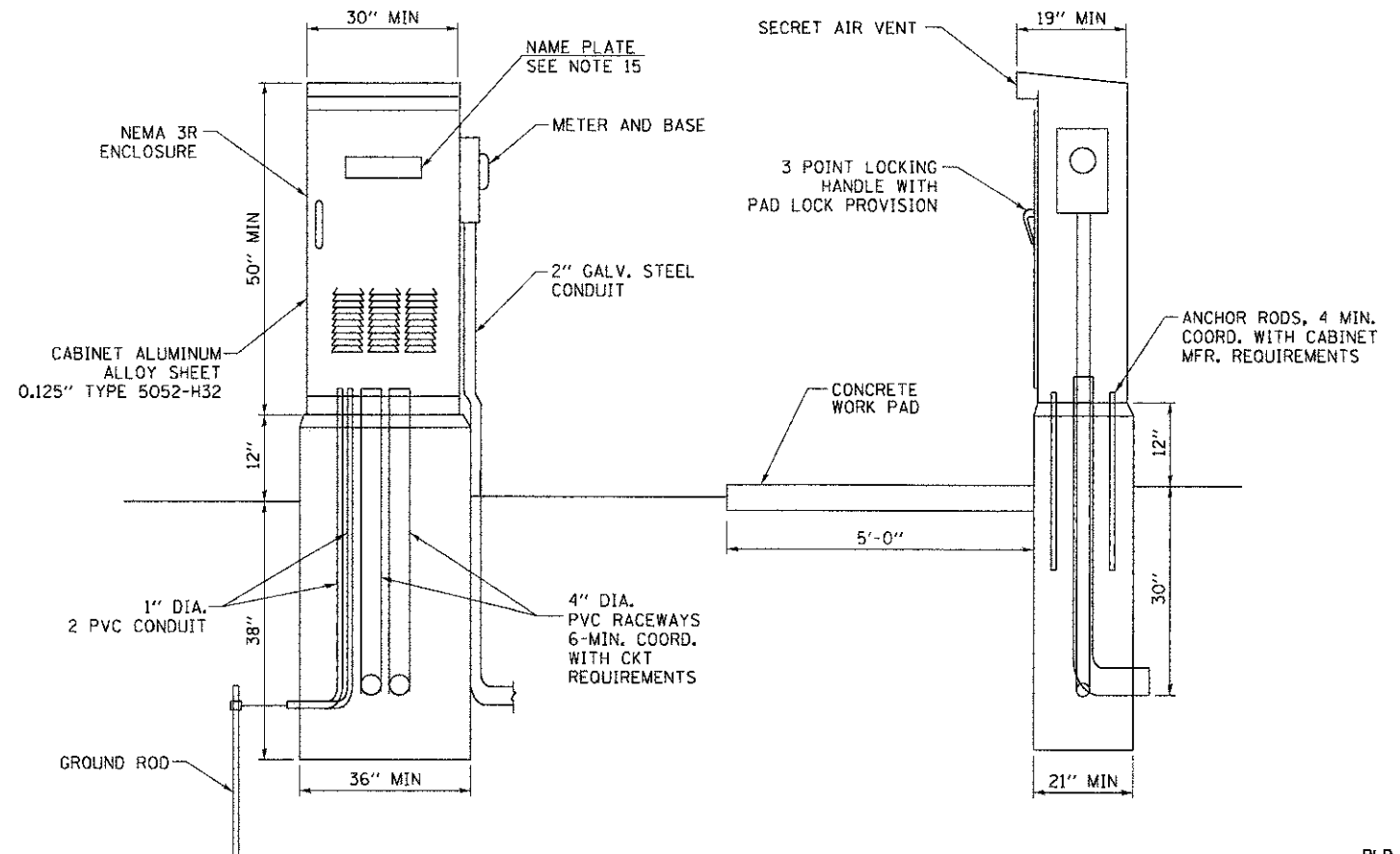
BILL OF MATERIAL		
ITEM	QTY.	DESCRIPTION
A	1	MAIN CIRCUIT BREAKER, 2 POLE, 600 VOLT 200AMP. FRAME, 150AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-22000 AMP. AT 240 VOLT.
B	1	LIGHTING CONTACTOR, ELECTRICALLY OPERATED, MECHANICALLY HELD, 2 POLE, SINGLE THROW, 100 AMP., 600 VOLTS CONTROL CIRCUITS 240 VOLT, ASCO 920.
C	8	CIRCUIT BREAKERS, 1 POLE, 277V., 100AMP. FRAME 15AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-14,000 AMP.
D	2	CONTROL CIRCUIT-CIRCUIT BREAKER, 1 POLE, 120 V., 15AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-14,000 AMP.
E	1	PHOTOCCELL, 120V
H	1	SPST 20A SWITCH ON DOOR, TO TURN LIGHT ON WHEN DOOR IS OPEN.
I	1	INCANDESCENT LIGHTING FIXTURE ENCLOSED AND GASKETED WITH 60 WATT, 120 V. LAMP.
J	1	20 A., 120 V., DUPLEX RECEPTACLE, GFCI.
K	1	COPPER NEUTRAL BUS 6.35 mm (1/4") X 25.4 mm (1") X 304.8 mm (12") LONG MOUNTED ON PANEL WITH LUGS AND 4 SPARE LUGS.
L	1	TOGGLE SWITCHES MOUNTED IN 101.6 mm (4") X 101.6 mm (4") BOX.
M	1	COPPER GROUND BUS 6.35 mm (1/4") X 25.4 mm (1") X 304.8 mm (12") LONG MOUNTED ON PANEL WITH LUGS AND SPARE LUGS.
N	1	SURGE ARRESTOR



WIRING DIAGRAM

NOTES:

- ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.
- FOUNDATION SIZE SHALL BE COORDINATED WITH CABINET SIZE AND MFR.
- DOOR SHALL BE CONSTRUCTED FROM SAME TYPE OF MATERIAL AND THICKNESS AS CABINET.
- DOOR SHALL BE EQUIPPED WITH THREE POINT LATCHING MECHANISM WITH NYLON ROLLERS AT TOP THE BOTTOM.
- DOOR HINGE SHALL BE A HEAVY GAUGE CONTINUOUS HINGE WITH A 6.35 mm (1/4") DIA. STAINLESS STEEL HINGE PIN.
- ALL EXTERNAL HARDWARE SHALL BE STAINLESS STEEL.
- CONTROL WIRING TO BE #12 AWC, 600V, TYPE "SIS" GRAY SWITCH BOARD WIRE, STRANDED COPPER.
- METER BOX SHALL BE MOUNTED ON THE SIDE OF CONTROL CABINET, NEAR TO THE SERVICE POLE.
- CABINETS SHALL BE PRIMED AND PAINTED WITH TWO COATS OF ALKYD BASE ENAMEL. THE FINISH COLOR SHALL BE BLACK.
- THE HEADS OF CONNECTORS SCREWS SHALL BE PAINTED WHITE FOR NEUTRAL BAR CONNECTION AND GREEN FOR GROUND BAR CONNECTORS.
- ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS INDICATED.
R = RED BL = BLUE W = WHITE
B = BLACK Y = YELLOW G = GREEN
- PROVIDE SEALING GROMMETS FOR ALL OPEN WIRING EXTENDED FROM DEVICES IN BOXES OR CABINETS WITHIN THE CONTROL CABINET.
- ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.
- THE CONTROLLER SHALL BE CONSTRUCTED TO U.L. STD. 508 AND BEAR THE U.L. LABEL "ENCLOSED INDUSTRIAL CONTROL PANEL".
- 304.8 mm (12") X 406.4 mm (16") STAINLESS STEEL EXTERIOR NAMEPLATE SHALL BE ENGRAVED TO "MCDOT" UNLESS OTHERWISE SPECIFIED.
- SERVICE DISCONNECT SHOULD HAVE UL LABEL AND THE EQUIPMENT SHOULD BE SUITABLE FOR SERVICE ENTRANCE EQUIPMENT.



RLP-10

COMPANY NAME: HRGreen.com
PROJECT CONTACT: jettana
DATE PLOTTED: 12/19/2012 3:16:46 PM
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PLOT DRIVER: pdfwrite.exe
PEN TABLE: standard.ctb

HRGreen.com
Illinois Professional Design Firm
184-001522

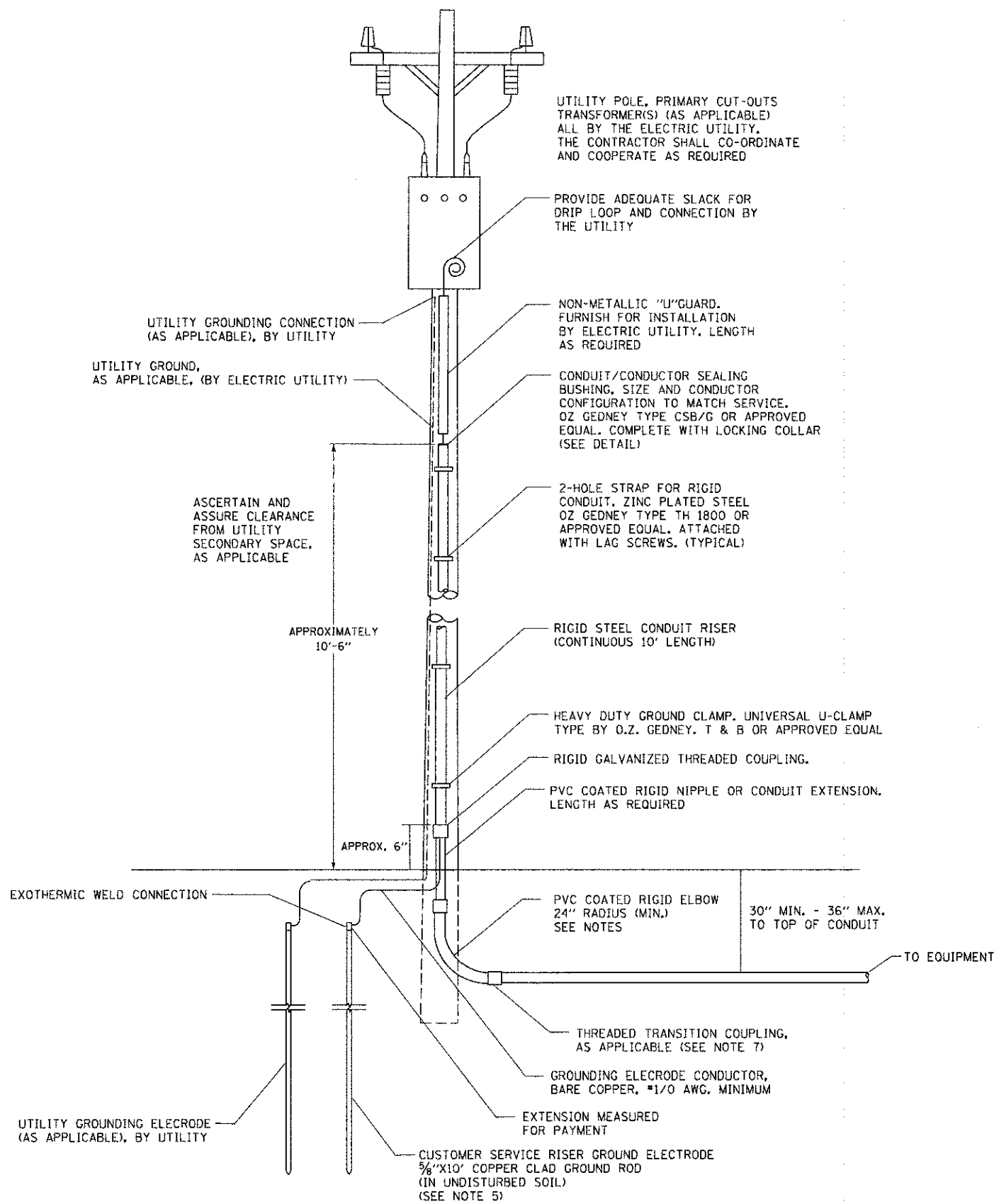
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**MCHENRY COUNTY
DIVISION OF TRANSPORTATION**

**LIGHTING PLAN
LIGHTING CONTROLLER**

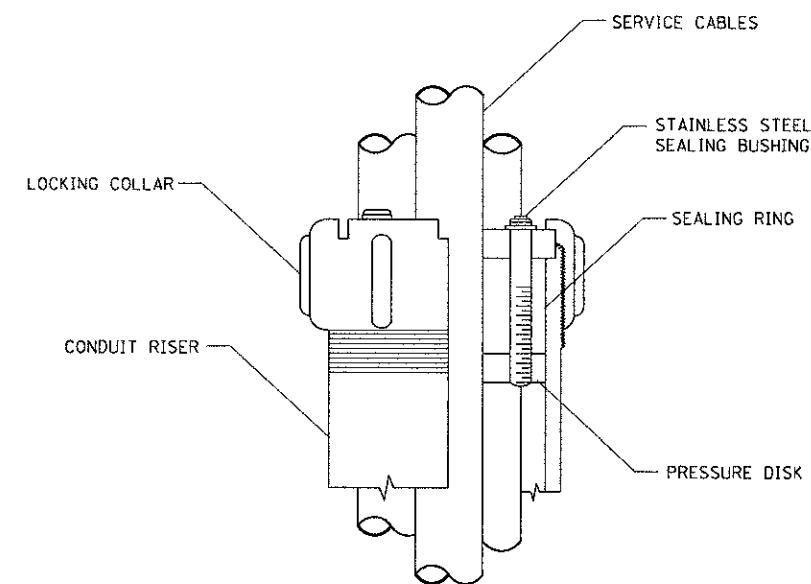
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F.A.U. RTE. 168	SECTION 05-00314-00-WR	COUNTY MCHENRY	TOTAL SHEETS 187	SHEET NO. 117
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63515	



NOTES:

- SERVICE VOLTAGE SHALL BE 120/240V AS INDICATED ON SHEET RLP-03.
- UNLESS OTHERWISE INDICATED, ITEMS AND WORK SHALL BE INCLUDED AND PAID AS PART OF ELECTRIC UTILITY SERVICE INSTALLATION.
- CONDUIT AND CONNECTOR DIAMETER SHALL MATCH THE DIAMETER OF THE SERVICE CONDUCTOR RACEWAY AS INDICATED.
- PVC COATED RACEWAYS AND ACCESSORIES SHALL BE CAREFULLY INSTALLED WITH MFR RECOMMENDED TOOLS AND PROCEDURES TO AVOID DAMAGE. ANY DAMAGE SHALL BE REPAIRED WITH COMPATIBLE PVC TOUCH-UP MATERIAL TO THE SATISFACTION OF THE ENGINEER OR THE DAMAGED MATERIAL SHALL BE REPLACED AT NO ADDITIONAL COST.
- THE CONTRACTOR SHALL OBTAIN INSPECTION AND APPROVAL BY THE ENGINEER OF SERVICE RISER GROUND ELECTRODE, RISER ELBOW, NIPPLE AND CONNECTION TO SERVICE CONDUCTOR RACEWAY EXTENSION BEFORE BACK FILL AND SHALL ALSO OBTAIN INSPECTION OF SERVICE RISER AND SEALING BUSHING BEFORE UTILITY "U" GUARD INSTALLATION AND SERVICE CONNECTION.
- THE SERVICE METER SOCKET, AS APPLICABLE, MOUNTED ELSEWHERE AS INDICATED SHALL BE INCLUDED AND PAID AS PART OF THE ELECTRICAL UTILITY SERVICE INSTALLATION PAY ITEM.
- THE SERVICE CONDUCTOR RACEWAY SHALL BE AS INDICATED AND SHALL BE MEASURED SEPARATELY FOR PAYMENT. WHEN THE RACEWAY IS PVC-COATED RIGID GALVANIZED STEEL, THE COUPLING SHALL BE THE SAME. WHEN THE RACEWAY IS PVC CONDUIT (IN CONCRETE), THE COUPLING SHALL BE A METALLIC TO NON METALLIC ADAPTER. WHEN THE RACEWAY IS ENCASED IN CONCRETE, THE CONCRETE SHALL EXTEND TO COVER THE COUPLING.
- PLANS AND DETAILS INDICATE THE GENERAL NATURE AND REQUIREMENTS. THEY DO NOT SHOW EVERY ACCESSORY AND ATTACHMENT, AND THEY DO NOT RELIEVE THE CONTRACTOR OF THE REQUIREMENTS OF THE SPECIFICATIONS AND SPECIAL PROVISIONS TO ASCERTAIN UTILITY REQUIREMENTS AND TO COORDINATE ACCORDINGLY, FURNISHING ALL ITEMS AND WORK NOT PROVIDED BY THE UTILITY, BUT NECESSARY FOR A COMPLETE SERVICE INSTALLATION IS REQUIRED AND SHALL BE INCLUDED IN THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.



SEALING BUSHING DETAIL

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 PROJECT CONTACT: HRGreen.com
 CLIENT: Illinois Professional Design Firm
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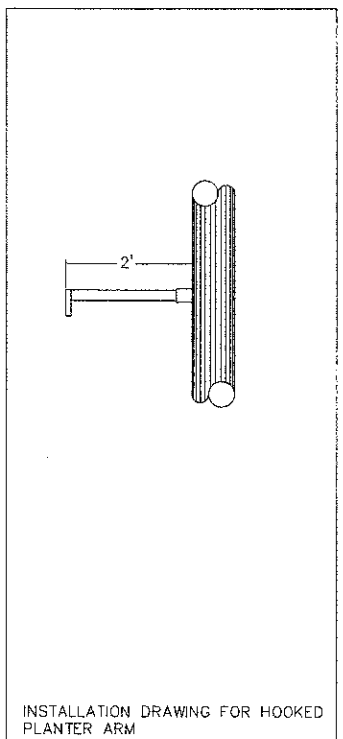
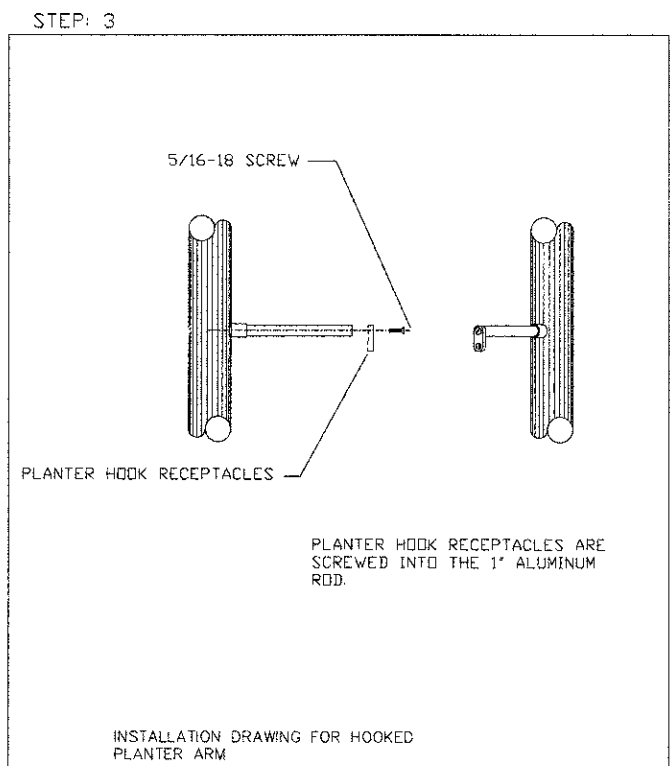
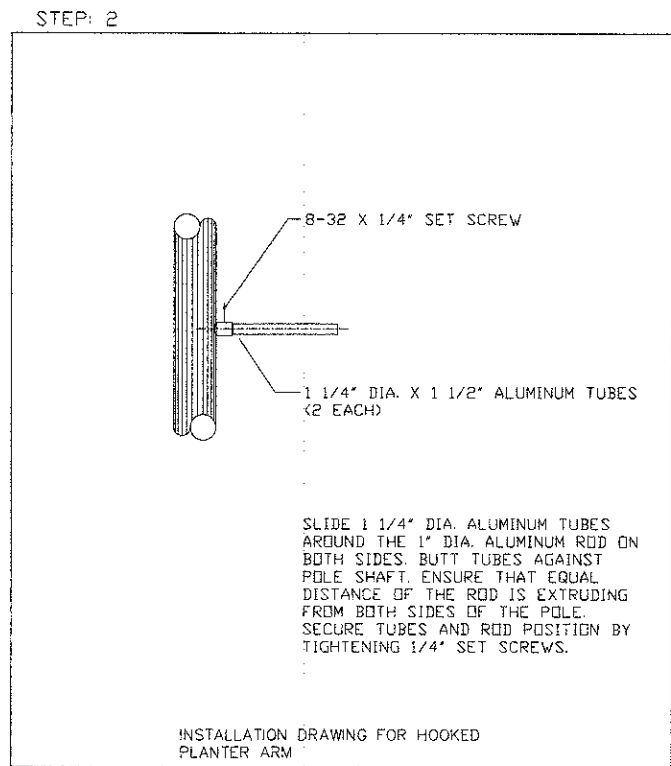
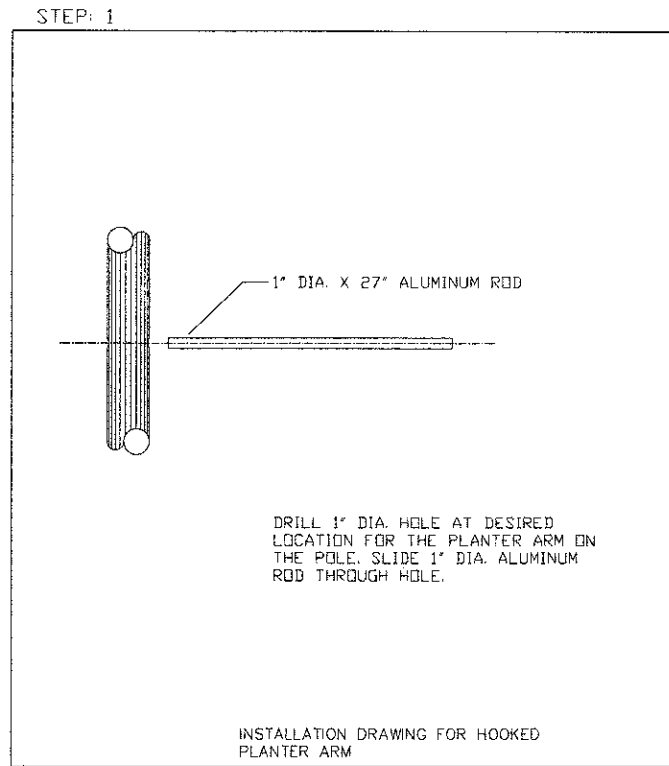
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**MCHENRY COUNTY
 DIVISION OF TRANSPORTATION**

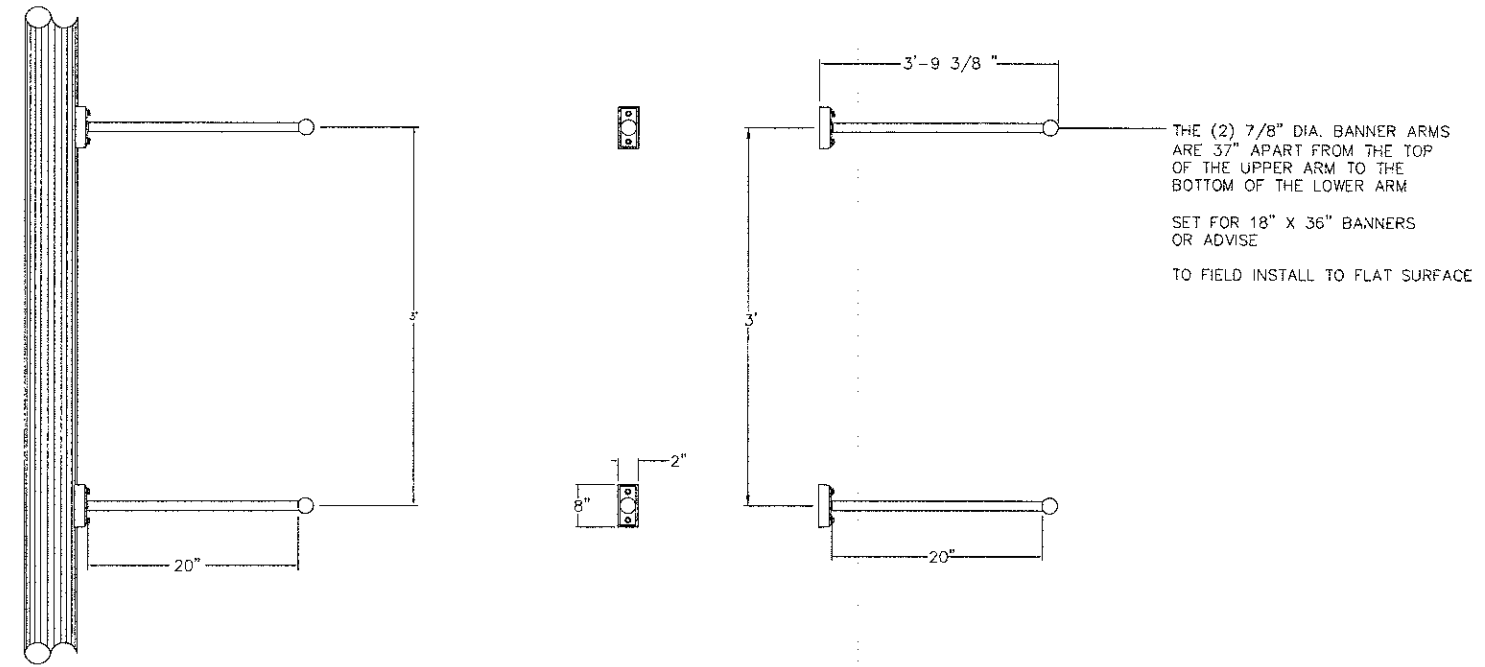
**LIGHTING PLAN
 ELECTRIC SERVICE INSTALLATION ABOVE GROUND (BE-220)**

SCALE: SHEET NO. 10 OF 13 SHEETS STA. TO STA.

F.A.U. RTE. 168	SECTION 05-00314-00-WR	COUNTY MCHENRY	TOTAL SHEETS 187	SHEET NO. 118
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		CONTRACT NO. 63515



PLANTER ARM INSTALLATION



BANNER ARM INSTALLATION

NOTES:
 1. BANNER AND PLANTER ARMS SHALL MEET AASHTO DESIGN CRITERIA (LOADING AND CALCULATION REQUIREMENTS) 90 MPH-3 SEC WIND SPEEDS.

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: HRGreen.com
 DATE PLOTTED: 12/19/2012 3:56:55 PM
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MCHENRY COUNTY
 DIVISION OF TRANSPORTATION

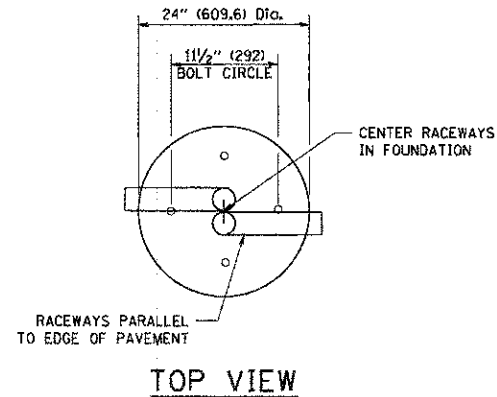
LIGHTING PLAN
 LIGHTING DETAILS

SCALE: SHEET NO. 11 OF 13 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 63515	

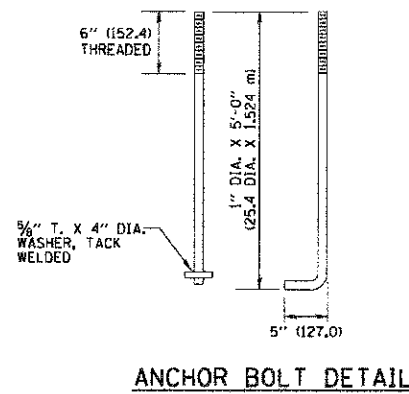
LIGHT POLE FOUNDATION DEPTH TABLE
30 FT. (9.144 m) TO 35 FT. (10.668 m) MOUNTING HEIGHT

SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY Qu = 0.375 TON/SQ. FT.	11'-0" (3.35 m)	12'-8" (3.85 m)
MEDIUM CLAY Qu = 0.75 TON/SQ. FT.	9'-0" (2.74 m)	14'-10" (4.52 m)
STIFF CLAY Qu = 1.50 TON/SQ. FT.	7'-6" (2.29 m)	8'-7" (2.61 m)
LOOSE SAND φ = 34°	9'-6" (2.90 m)	10'-7" (3.22 m)
MEDIUM SAND φ = 37.5°	9'-0" (2.74 m)	9'-10" (2.99 m)
DENSE SAND φ = 40°	8'-3" (2.51 m)	9'-7" (2.91 m)

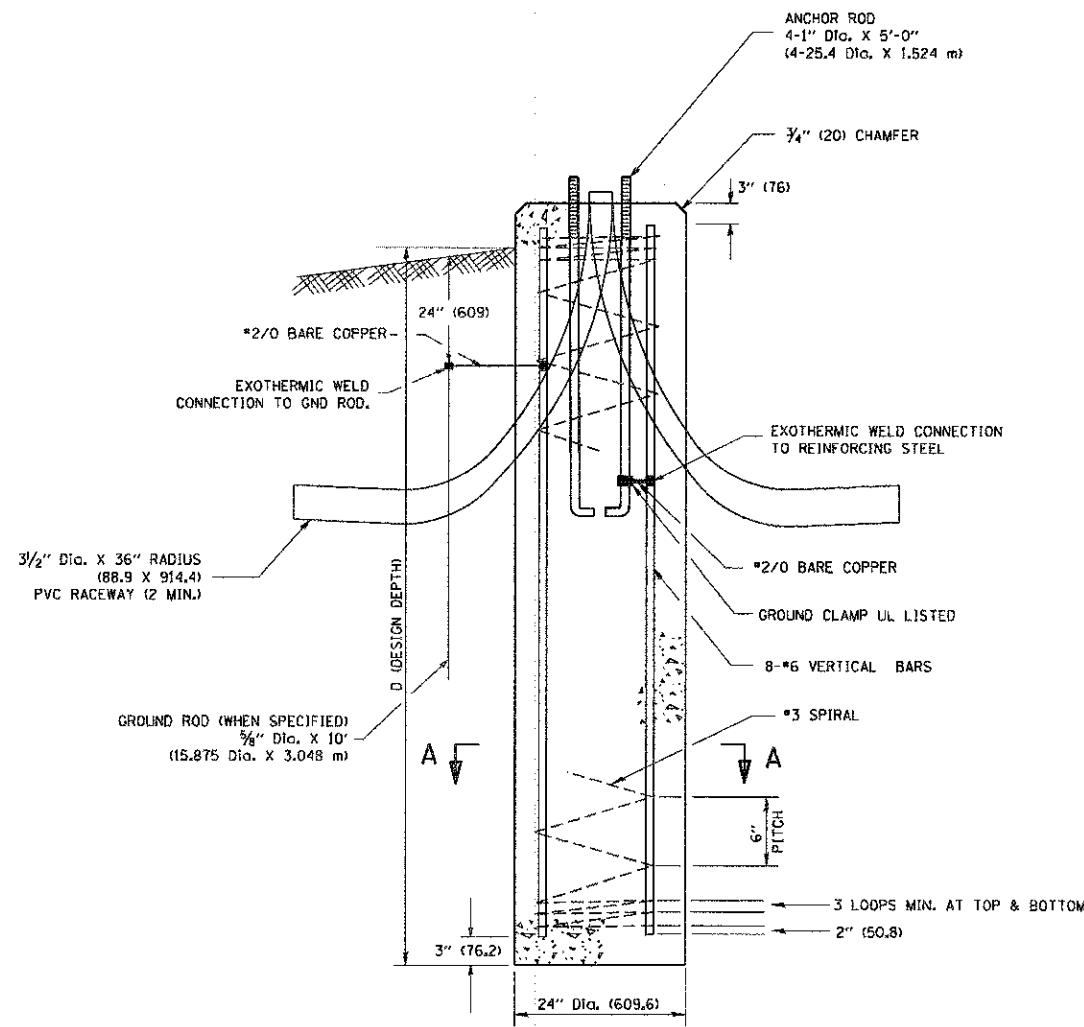


NOTES

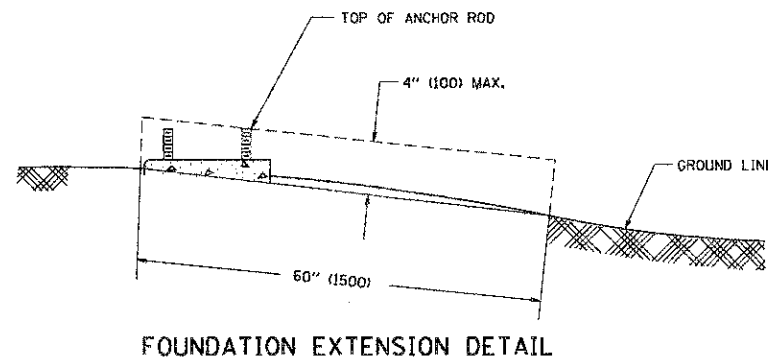
- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
- THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 4 IN. (100 mm) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED, IN ACCORDANCE WITH AASHTO GUIDELINES. IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
- THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER, OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
- THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED 3/4-IN. (20 mm).
- THE CONCRETE SHALL BE CLASS S1. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
- ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER THE HOT-DIPPED PROCESS CONFORMING WITH AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 UMG MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1136.
- THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES (150 mm) WITH A MINIMUM OF 3 INCHES (75 mm) OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
- ANCHOR RODS SHALL PROJECT 2 3/4" (69.9 mm) ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
- THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" (152.4 mm) PITCH OR MAY SUBSTITUTE #3 TIES AT 12" (304.8 mm) O.C. WITH THE APPROVAL OF THE ENGINEER.
- THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
- THE RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.



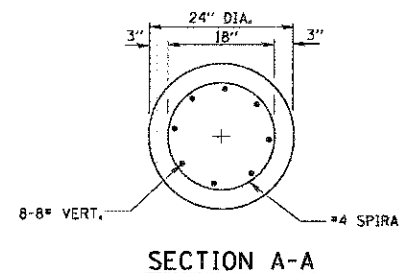
ANCHOR BOLT DETAIL



FOUNDATION DETAIL



FOUNDATION EXTENSION DETAIL



SECTION A-A

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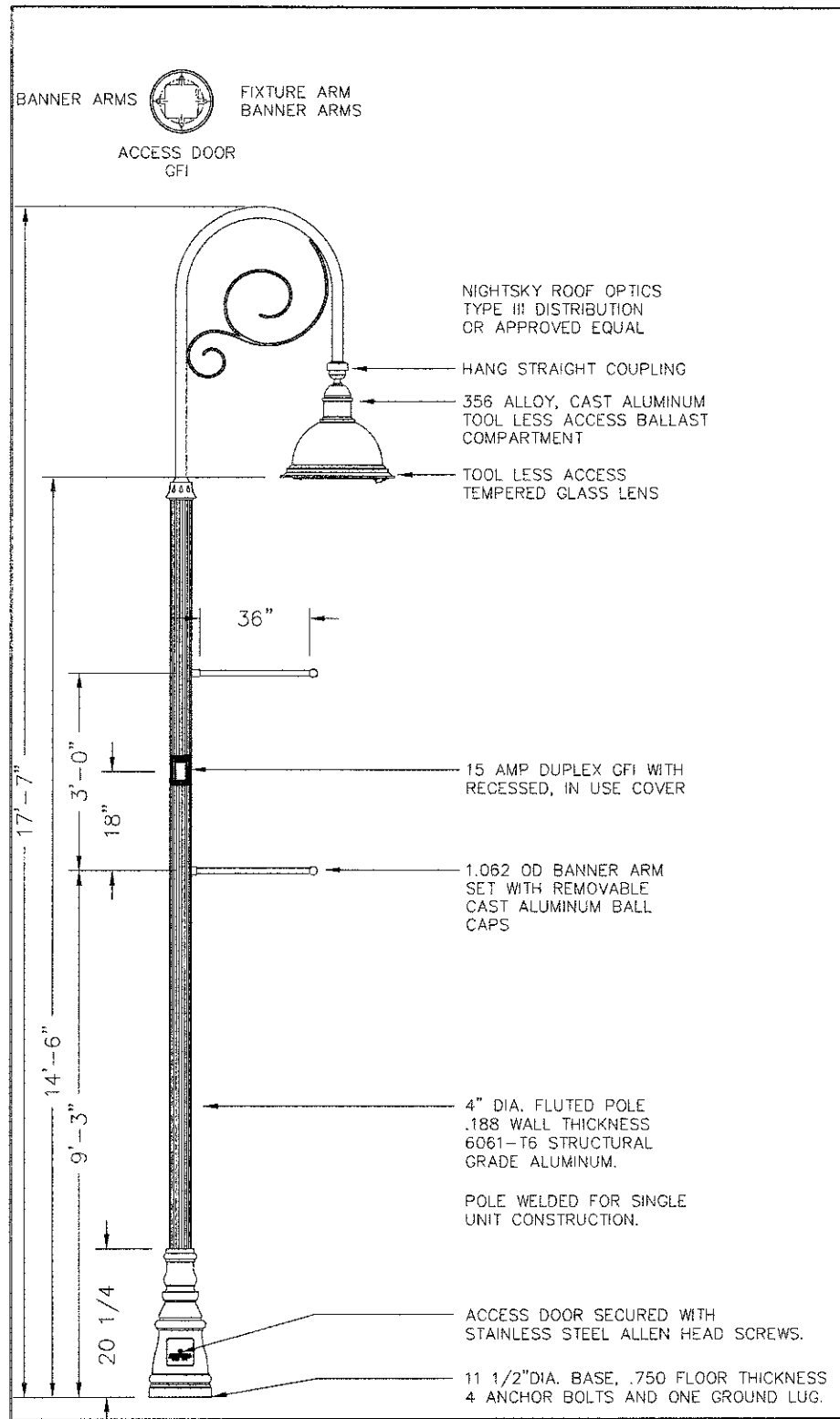
MCHENRY COUNTY
DIVISION OF TRANSPORTATION

LIGHTING PLAN
LIGHTING DETAILS

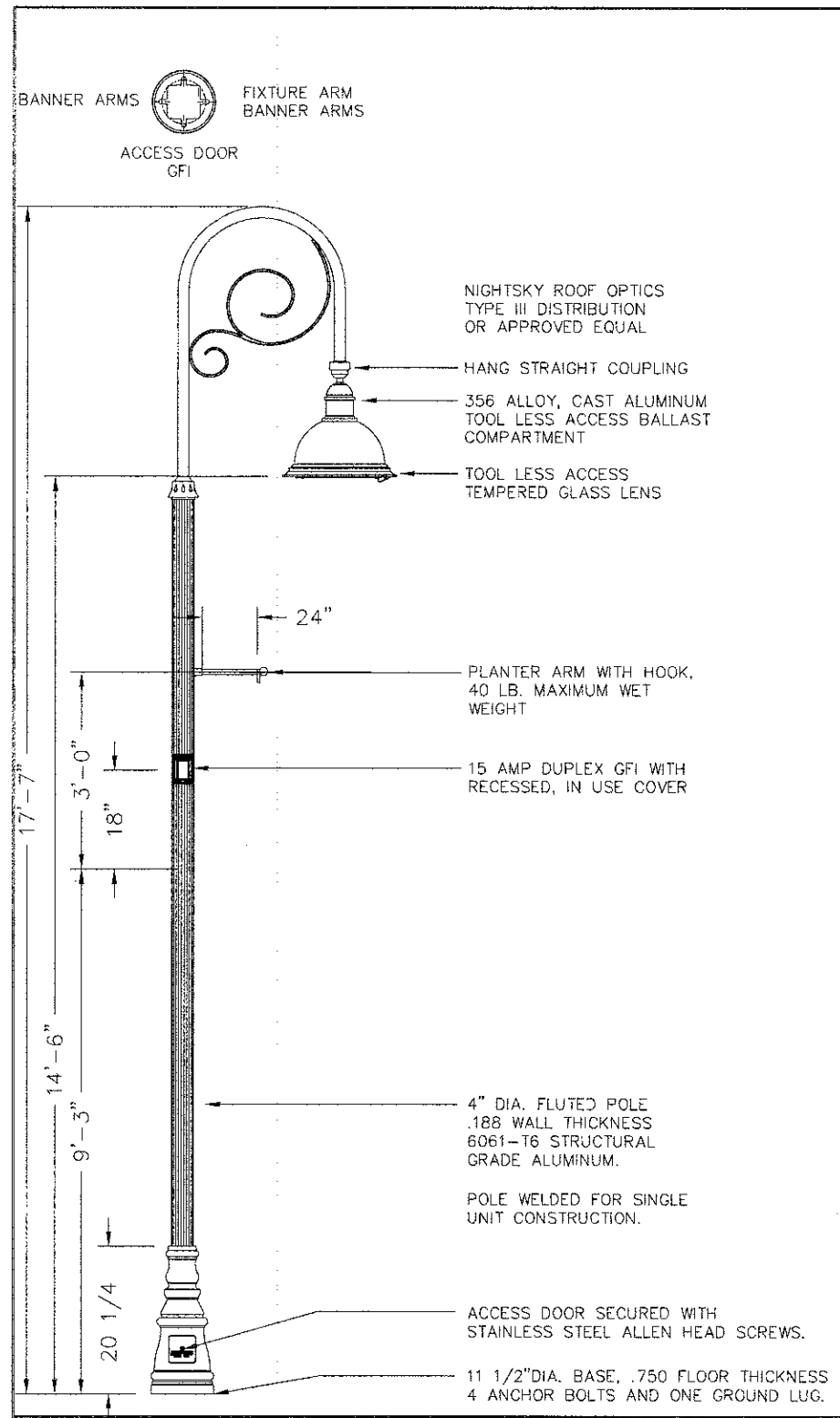
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F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 63515				

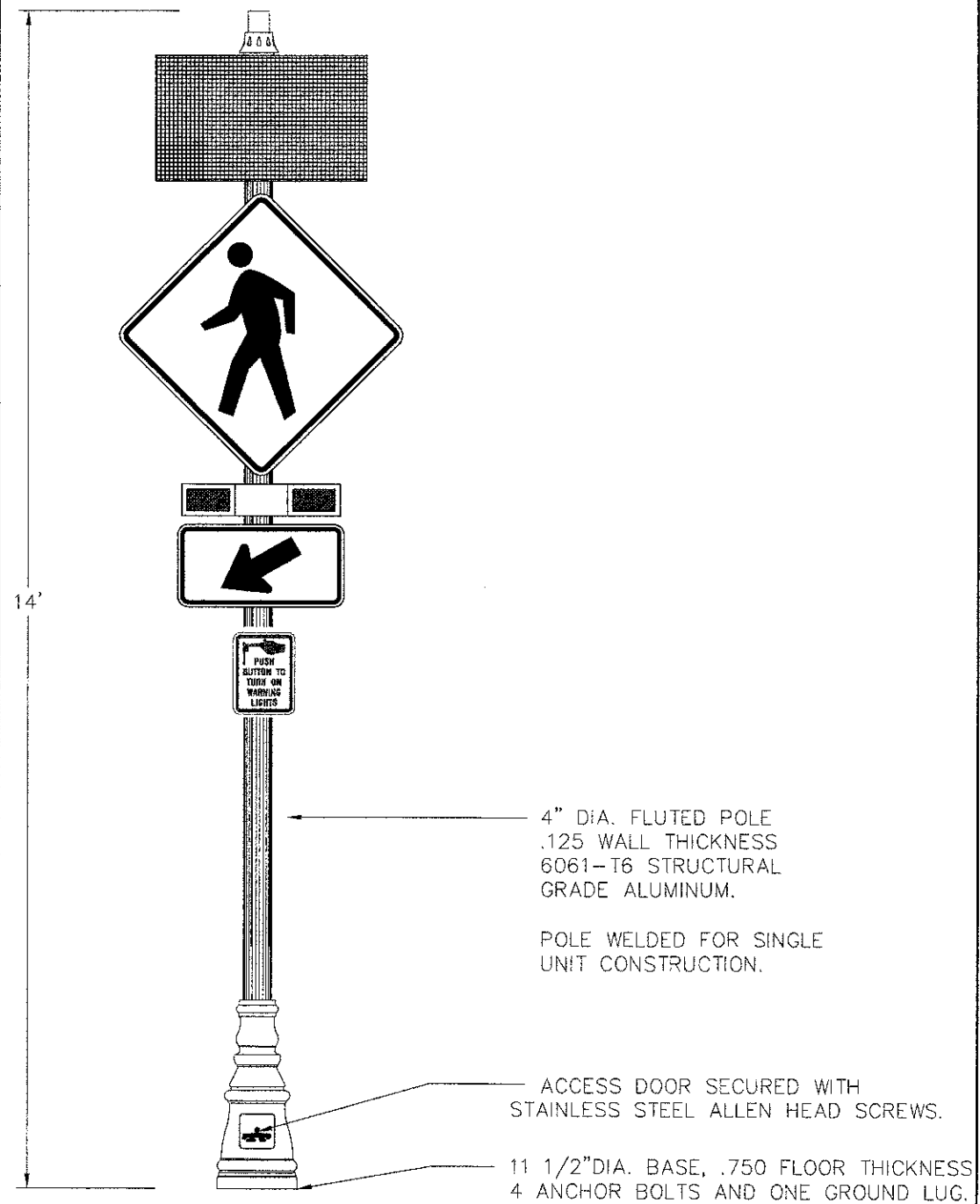
RLP-14



ORNAMENTAL LIGHT UNIT WITH BANNER, COMPLETE



ORNAMENTAL LIGHT UNIT WITH PLANTER, COMPLETE



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MCHENRY COUNTY
DIVISION OF TRANSPORTATION

LIGHTING PLAN
ORNAMENTAL LIGHTING UNITS

SCALE: SHEET NO. 13 OF 13 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	121
CONTRACT NO. 63515				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DESIGN STRESSES
FIELD UNITS

$f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)
Max. Soil Pressure under footing = 1,650 psf

LOADING HL-93

NOTES

Reinforcement bars shall conform to the requirements of ASTM A 760 Gr. 60. See Special Provisions.

Reinforcement bars designated (E) shall be epoxy coated.

INDEX OF SHEETS

- SA-01 General Plan and Elevation Retaining Wall 1
- SA-02 Footing Details
- SA-03 Retaining Wall Details
- SA-04 Soil Boring Logs

To the best of my knowledge, information and belief, this retaining wall design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current "AASHTO Standard Specifications for Highway Bridges".

Adrian S. Green 12/18/12
Structural Engineer EXP. 11/30/14
HR Green, Inc.

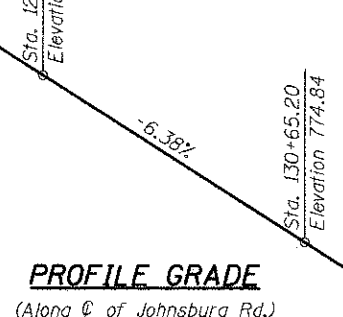
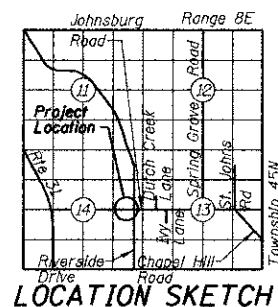
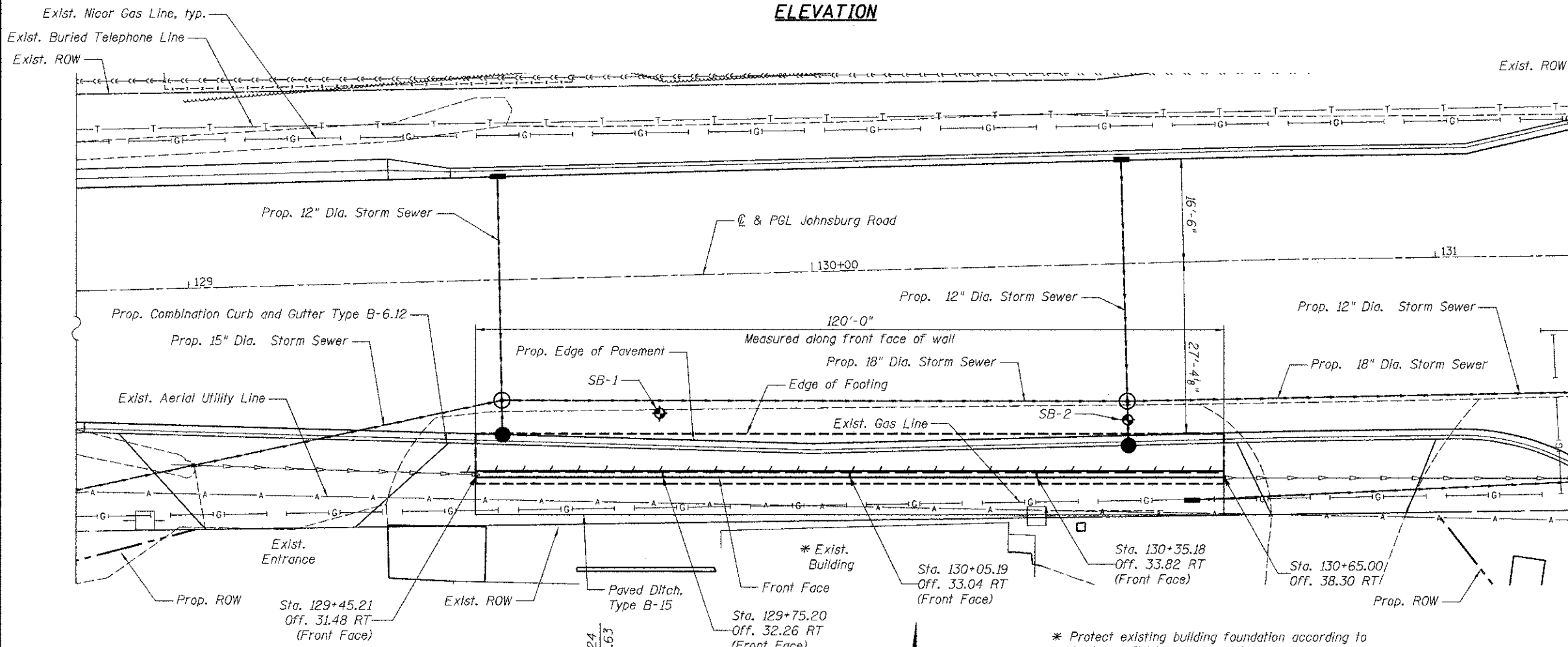
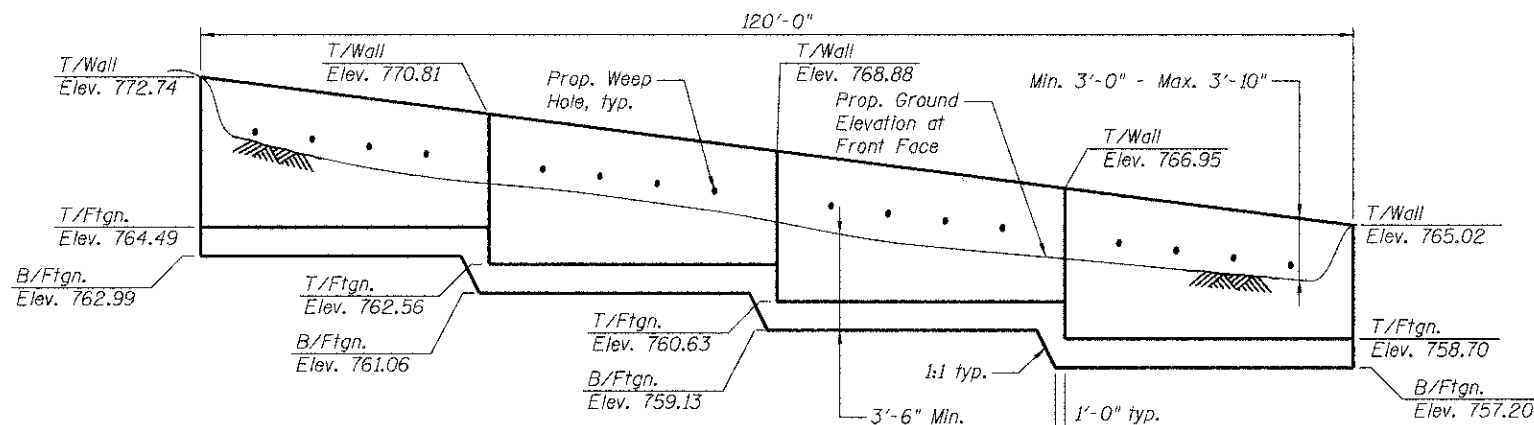


Note: Chloride containing admixtures shall not be used for Class SI Concrete.

Benchmark:
Cut square in northwest corner of concrete headwall on north side of Johnsburg Road and east of Riverside Drive.
Elevation = 752.56 (NAVD88)

Existing Structure: None

The Proposed Retaining Wall will be constructed during Staged Construction. The west bound lane will be open to traffic. The east bound lane will be defouled.



TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Reinforcement Bars Epoxy Coated	Pound	19,940
Concrete Structures	Cu. Yd.	87
Structure Excavation	Cu. Yd.	225
Porous Granular Embankment, Special	Cu. Yd.	195
Geocomposite Wall Drain	Sq. Yd.	40

**GENERAL PLAN AND ELEVATION
RETAINING WALL 1
JOHNSBURG ROAD (FAU ROUTE 0168)
SECTION NO. 05-00314-00-WR
McHENRY COUNTY
STATION 129+45.21 TO STATION 130+65.17**

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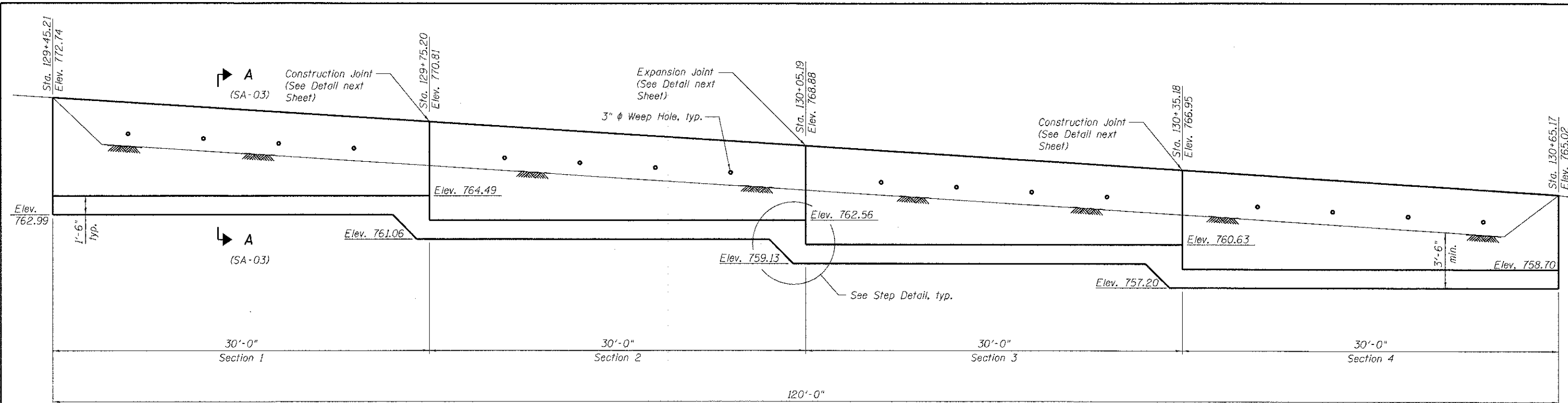


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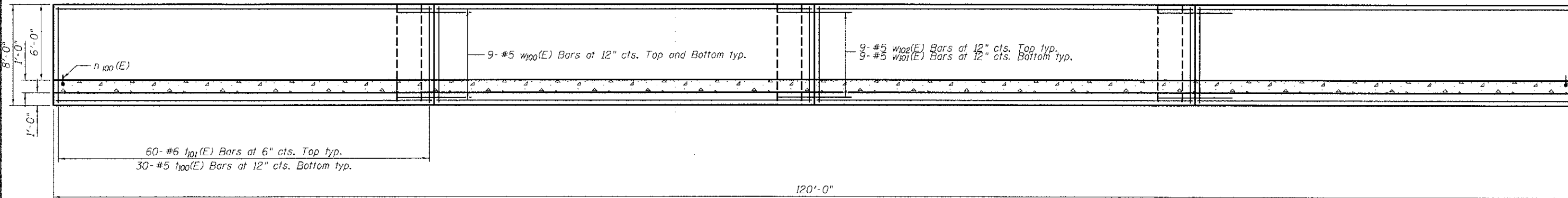
**McHENRY COUNTY
DIVISION OF TRANSPORTATION**

SHEET NO. SA-01 OF SA-04 SHEETS

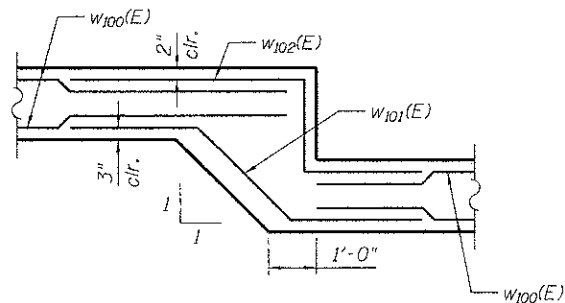
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0168	05-00314-00-WR	McHENRY	187	122
CONTRACT NO. 63515			ILLINOIS FED. AID PROJECT #FEDPROJNO#	



ELEVATION



FOOTING PLAN



STEP DETAIL

FOOTING DETAILS
 JOHNSBURG ROAD (FAU ROUTE 0168)
 SECTION NO. 05-00314-00-WR
 McHENRY COUNTY
 STATION 129+45.21 TO STATION 130+65.17

COMPANY NAME: HRGreen.com
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 CLIENT: [Redacted]
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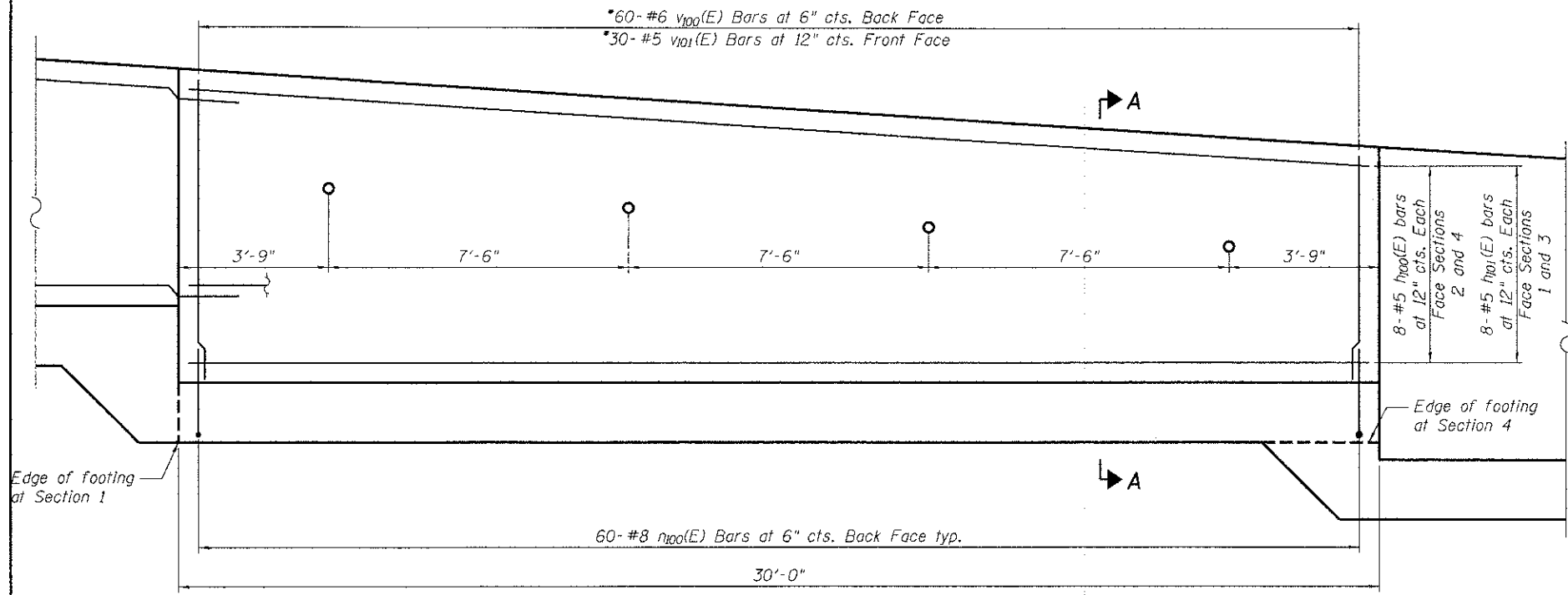


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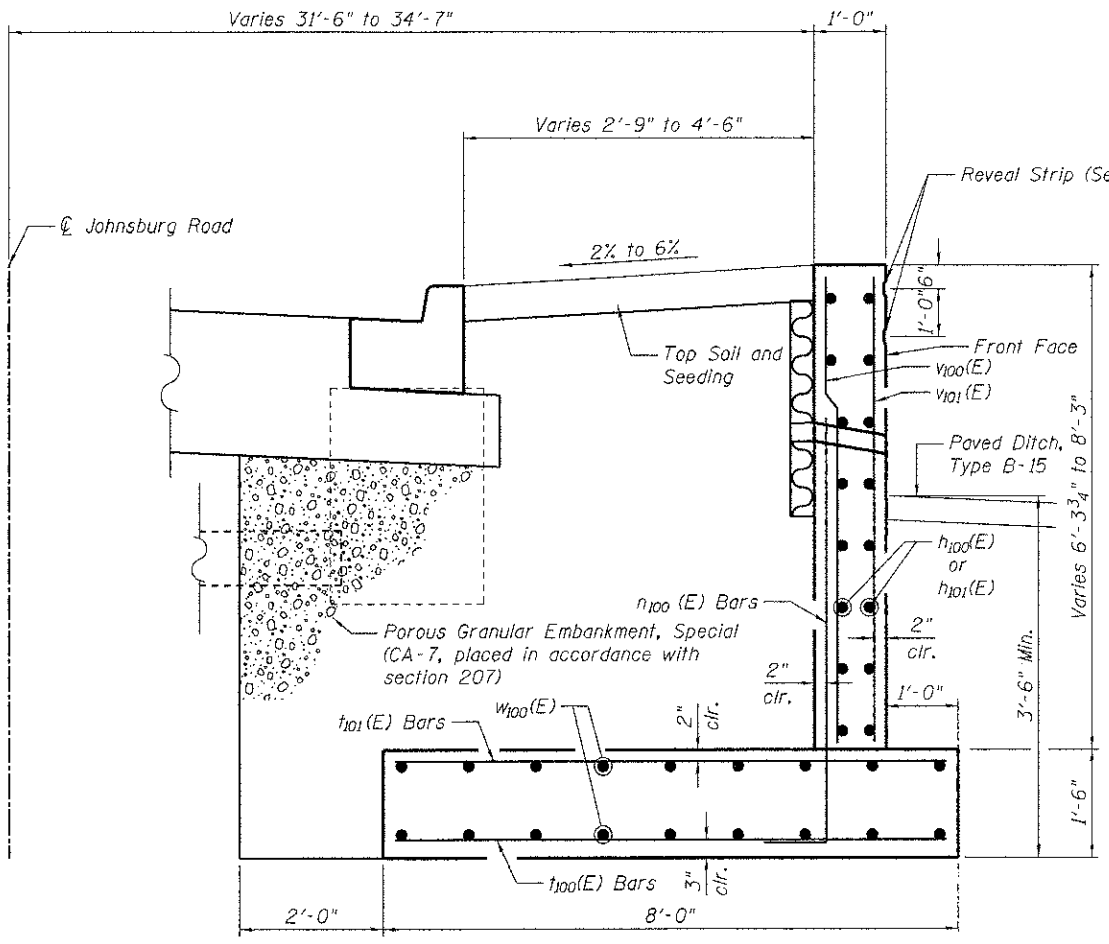
MCHENRY COUNTY
 DIVISION OF TRANSPORTATION

SHEET NO. SA-02 OF SA-04 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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			ILLINOIS FED. AID PROJECT #FEDPROJ06	



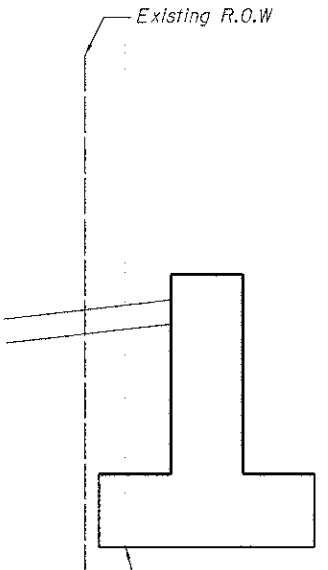
TYPICAL WALL SECTION



SECTION A-A

REVEAL STRIP

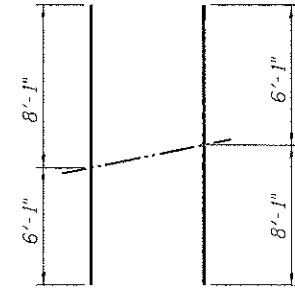
Cost included with Concrete Structures



Protect existing building foundation according to Section 107.20, sta. 129+84.34 to sta. 130+30.58. Foundation type unknown.

MINIMUM BAR LAP

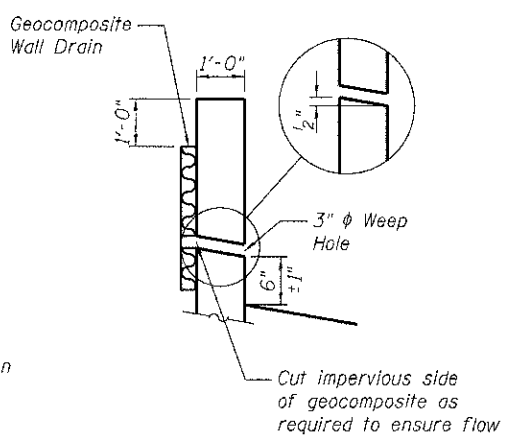
#5 bar = 3'-3"
#6 bar = 3'-10"
(Unless noted otherwise)



V100(E) and V101(E) BARS FIELD CUTTING DIAGRAM

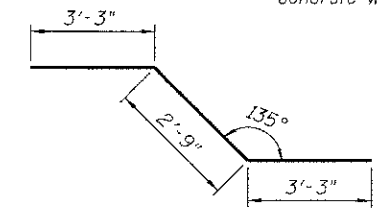
*Order V100(E) and V101(E) bars full length. Cut to fit and use remainder in adjacent wall section.

V100(E) BAR

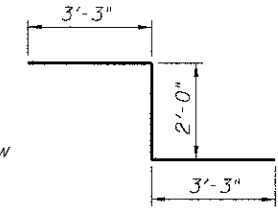


WEEP HOLE DRAIN DETAIL

W101(E) BAR



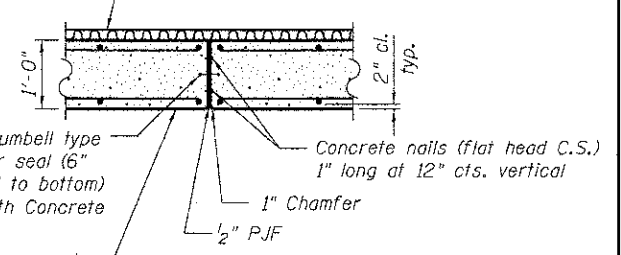
W102(E) BAR



BILL OF MATERIALS

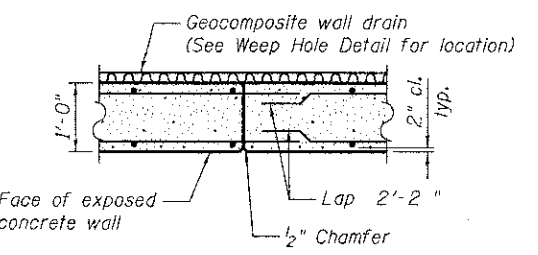
Bar	No.	Size	Length	Shape
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H101(E)	32	# 5	32'-0"	—
H100(E)	240	# 8	7'-1"	J
H100(E)	120	# 5	7'-8"	—
H101(E)	240	# 6	7'-8"	—
V100(E)	240	#6	14'-2"	—
V101(E)	120	# 5	14'-2"	—
W100(E)	72	# 5	29'-10"	—
W101(E)	27	# 5	9'-3"	—
W102(E)	27	# 5	8'-6"	—
Reinforcement Bars Epoxy Coated			Pound	19,940
Concrete Structures			CU. Yd.	87
Structure Excavation			CU. Yd.	225
Porous Granular Embankment, Special			CU. Yd.	195

EXPANSION JOINT



CONSTRUCTION JOINT

Cost included with Concrete Structures



CONSTRUCTION JOINT

Cost included with Concrete Structures

RETAINING WALL DETAILS
JOHNSBURG ROAD (FAU ROUTE 0168)
SECTION NO. 05-00314-00-WR
McHENRY COUNTY
STATION 129+45.21 TO STATION 130+65.17

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HRGreen.com
Illinois Professional Design Firm
#184-011322

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McHENRY COUNTY
DIVISION OF TRANSPORTATION

SHEET NO. SA-03 OF SA-04 SHEETS

F.A. RTE. 0168	SECTION 05-00314-00-WR	COUNTY McHENRY	TOTAL SHEETS 187	SHEET NO. 124
CONTRACT NO. 63515			ILLINOIS FED. AID PROJECT #FEDPROJN05	

Benchmark:
 Railroad Spike in south face of powerpole located at the northeast intersection of Johnsburg Road and Chapel Hill Road. Elevation = 762.76 (NAVD88)

The Proposed Retaining Wall will be constructed during Staged Construction. The west bound lane will be open to traffic. The east bound lane will be detoured.

DESIGN SPECIFICATIONS
 2007 AASHTO LRFD Bridge Design Specifications with 2008 and 2009 Interims

DESIGN STRESSES
FIELD UNITS

$f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)
 Max. Soil Pressure under footing = 1,500 psf

LOADING HL-93
NOTES

Reinforcement bars shall conform to the requirements of ASTM A 760 Gr. 60. See Special Provisions.

Reinforcement bars designated (E) shall be epoxy coated.

INDEX OF SHEETS

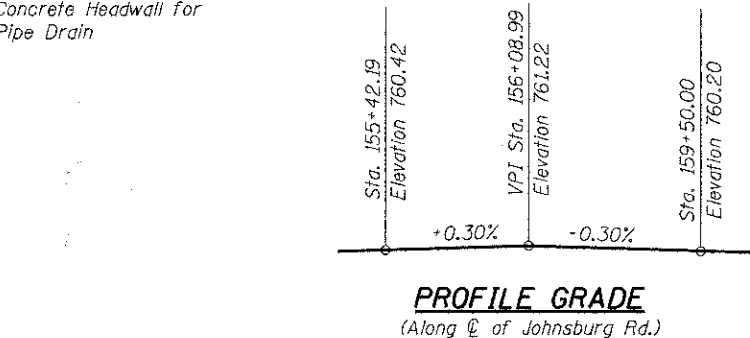
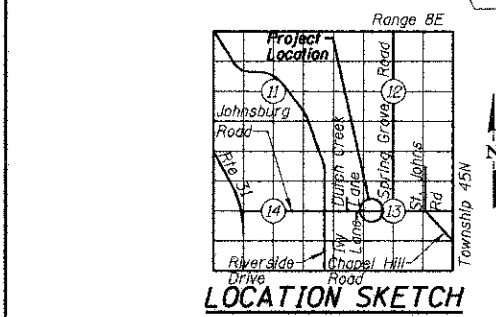
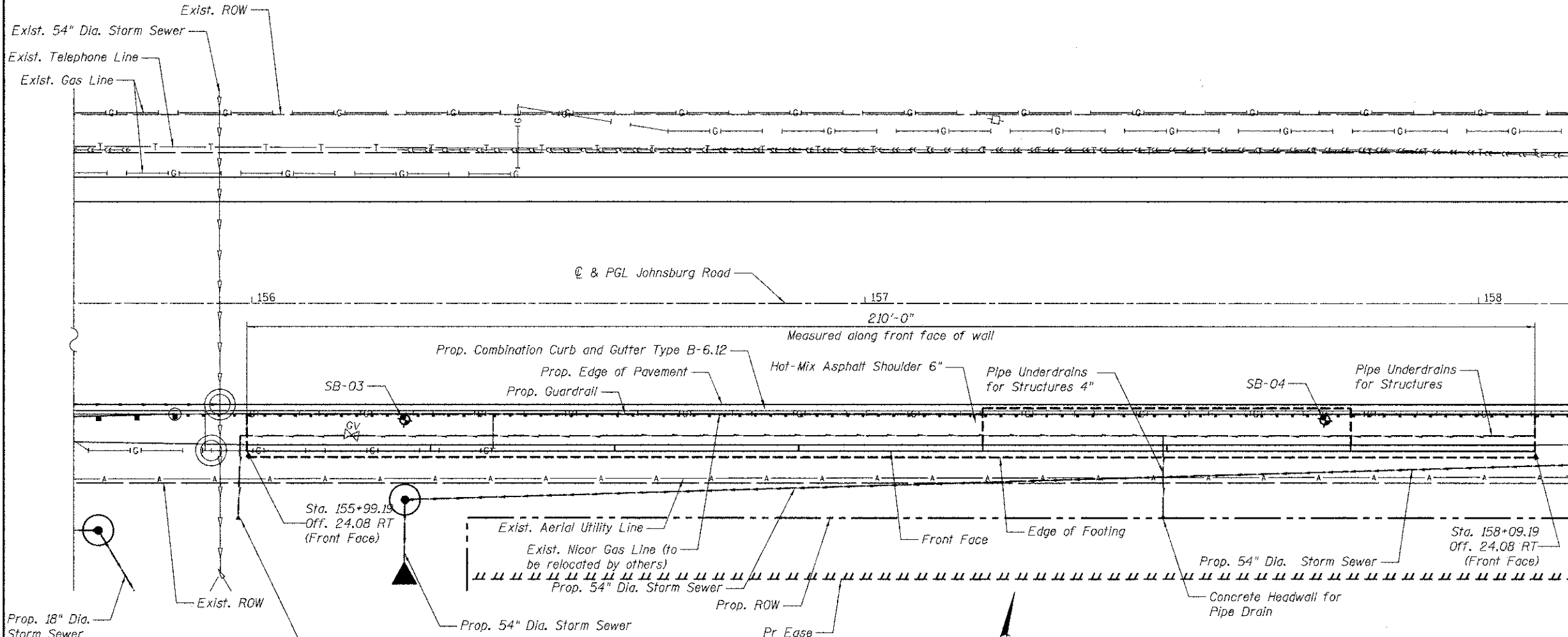
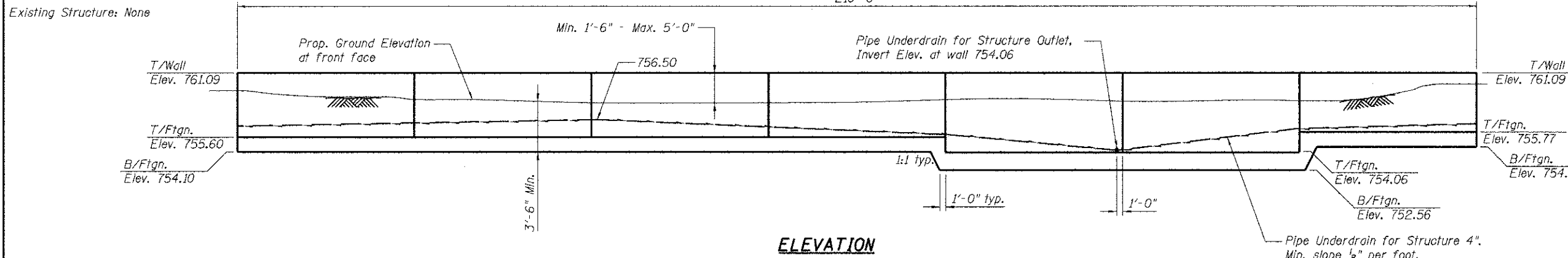
- SB-01 General Plan and Elevation Retaining Wall 2
- SB-02 Footing Details
- SB-03 Retaining Wall Details
- SB-04 Soil Boring Logs

To the best of my knowledge, information and belief, this retaining wall design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current "AASHTO Standard Specifications for Highway Bridges".

Michael J. Green 10/18/12
 Structural Engineer Exp. 11/30/14
 HR Green, Inc.



Note: Chloride containing admixtures shall not be used for Class SI Concrete.



TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Reinforcement Bars Epoxy Coated	Pound	18,500
Concrete Structures	Cu. Yd.	133
Structure Excavation	Cu. Yd.	515
Porous Granular Embankment, Special	Cu. Yd.	415
Geocomposite Wall Drain	Sq. Yd.	145
Pipe Underdrain for Structures 4"	Foot	225
Concrete Headwall for Pipe Drains	Each	2

**GENERAL PLAN AND ELEVATION
 RETAINING WALL 2
 JOHNSBURG ROAD (FAU ROUTE 0168)
 SECTION NO. 05-00314-00-WR
 McHENRY COUNTY
 STATION 155+99.19 TO STATION 158+09.19**

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 PROJECT CONTACT: J. J. J. J.
 CLIENT: HRGreen.com
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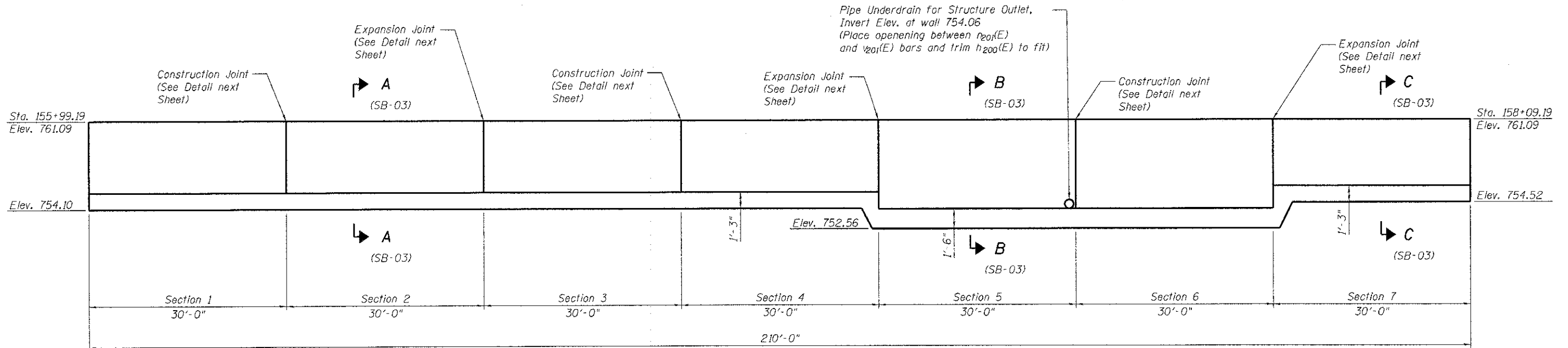


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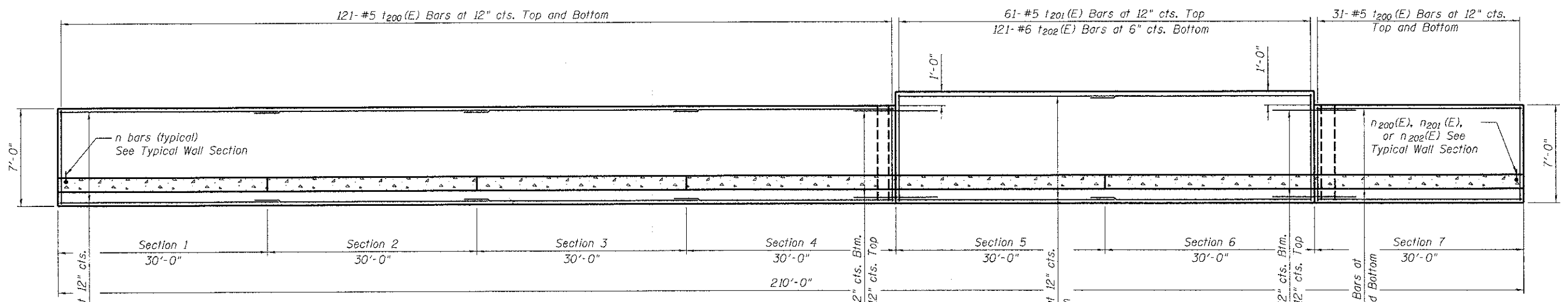
**MCHENRY COUNTY
 DIVISION OF TRANSPORTATION**

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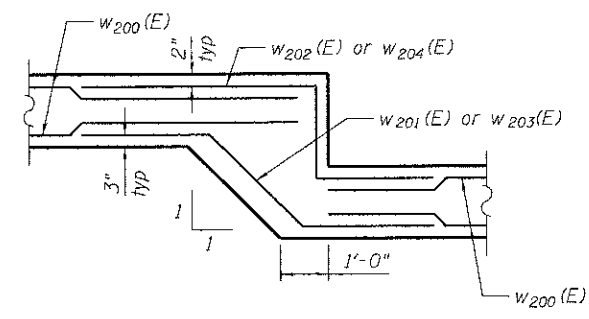
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CONTRACT NO. 63515			ILLINOIS FED. AID PROJECT #FEDPROJNO#	



ELEVATION



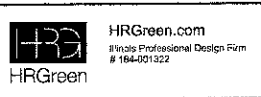
FOOTING PLAN



STEP DETAIL

FOOTING DETAILS
JOHNSBURG ROAD (FAU ROUTE 0168)
SECTION NO. 05-00314-00-WR
McHENRY COUNTY
STATION 155+99.19 TO STATION 158+09.19

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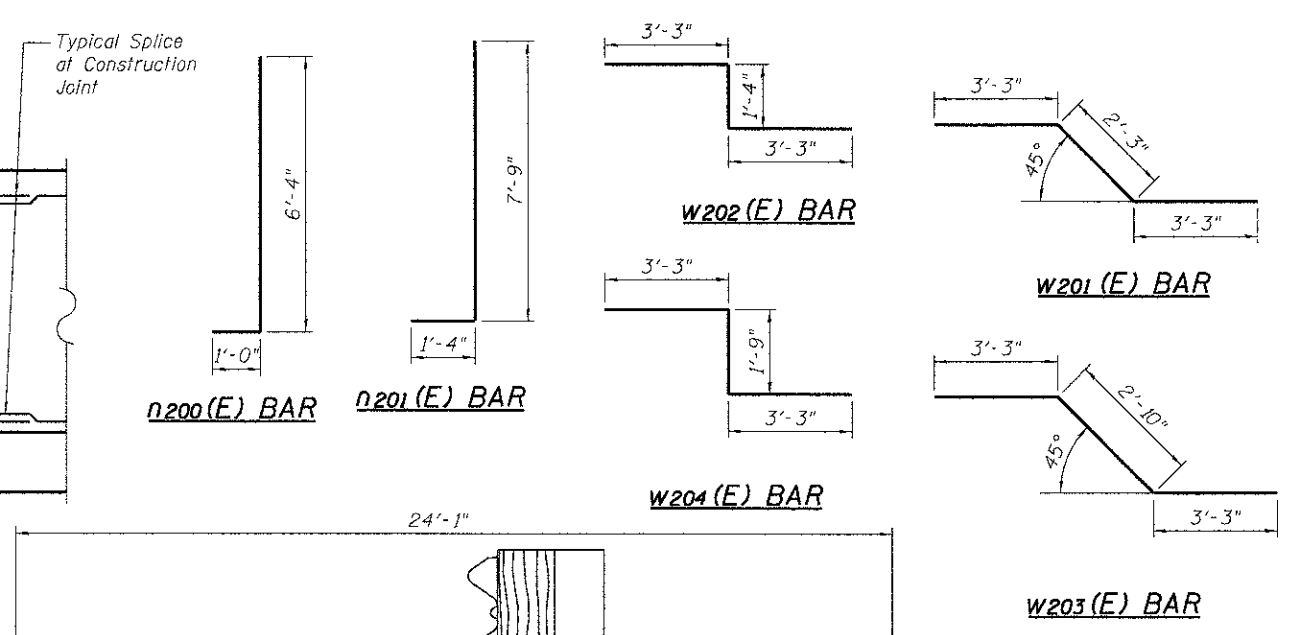
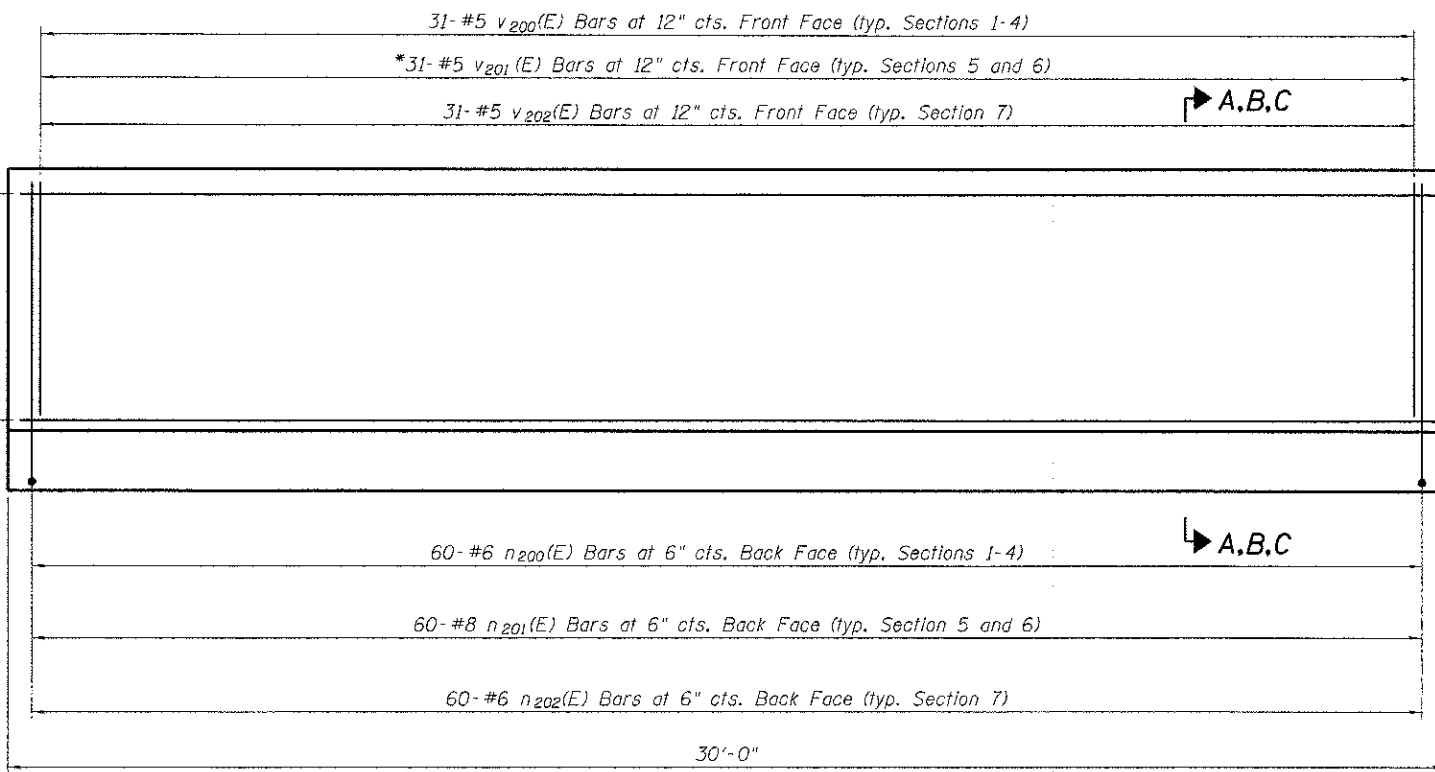
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MCHENRY COUNTY
DIVISION OF TRANSPORTATION

SHEET NO. SB-02 OF SB-04 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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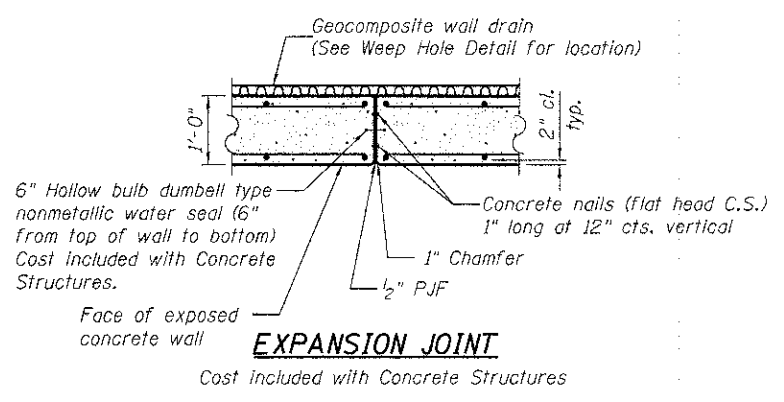
6- #5 h200(E) Bars at 12" cts. Each Face (typ. Sections 1,4 and 7)
 6- #5 h201(E) Bars at 12" cts. Each Face (typ. Sections 2 and 5)
 7- #5 h200(E) Bars at 12" cts. Each Face (typ. Section 5)
 *7- #5 h201(E) Bars at 12" cts. Each Face (typ. Section 6)



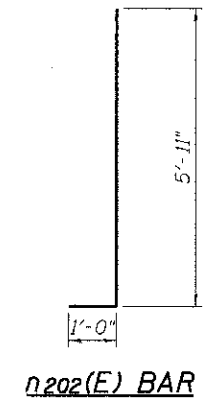
BILL OF MATERIALS

Bar	No.	Size	Length	Shape
h200(E)	50	# 5	29'-8"	—
h201(E)	38	# 5	32'-0"	—
n200(E)	240	# 6	7'-4"	—
n201(E)	120	# 8	9'-1"	—
n202(E)	60	# 6	6'-11"	—
t200(E)	304	# 5	6'-8"	—
t201(E)	61	# 5	7'-8"	—
t202(E)	121	# 6	7'-8"	—
v200(E)	124	# 5	5'-4"	—
v201(E)	62	# 5	6'-10"	—
v202(E)	31	# 5	4'-11"	—
w200(E)	100	# 5	33'-1"	—
w201(E)	8	# 5	8'-5"	—
w202(E)	8	# 5	7'-6"	—
w203(E)	8	# 5	9'-0"	—
w204(E)	8	# 5	7'-11"	—
w205(E)	16	# 5	29'-8"	—
Reinforcement Bars Epoxy Coated	Pound		18,500	
Concrete Structures	Cu.Yd.		133	
Structure Excavation	Cu.Yd.		515	
Porous Granular Embankment, Special	Cu.Yd.		415	
Geocomposite Wall Drain	Sq. Yd.		114	
Pipe Underdrain for Structures,	Foot		250	

TYPICAL WALL SECTION

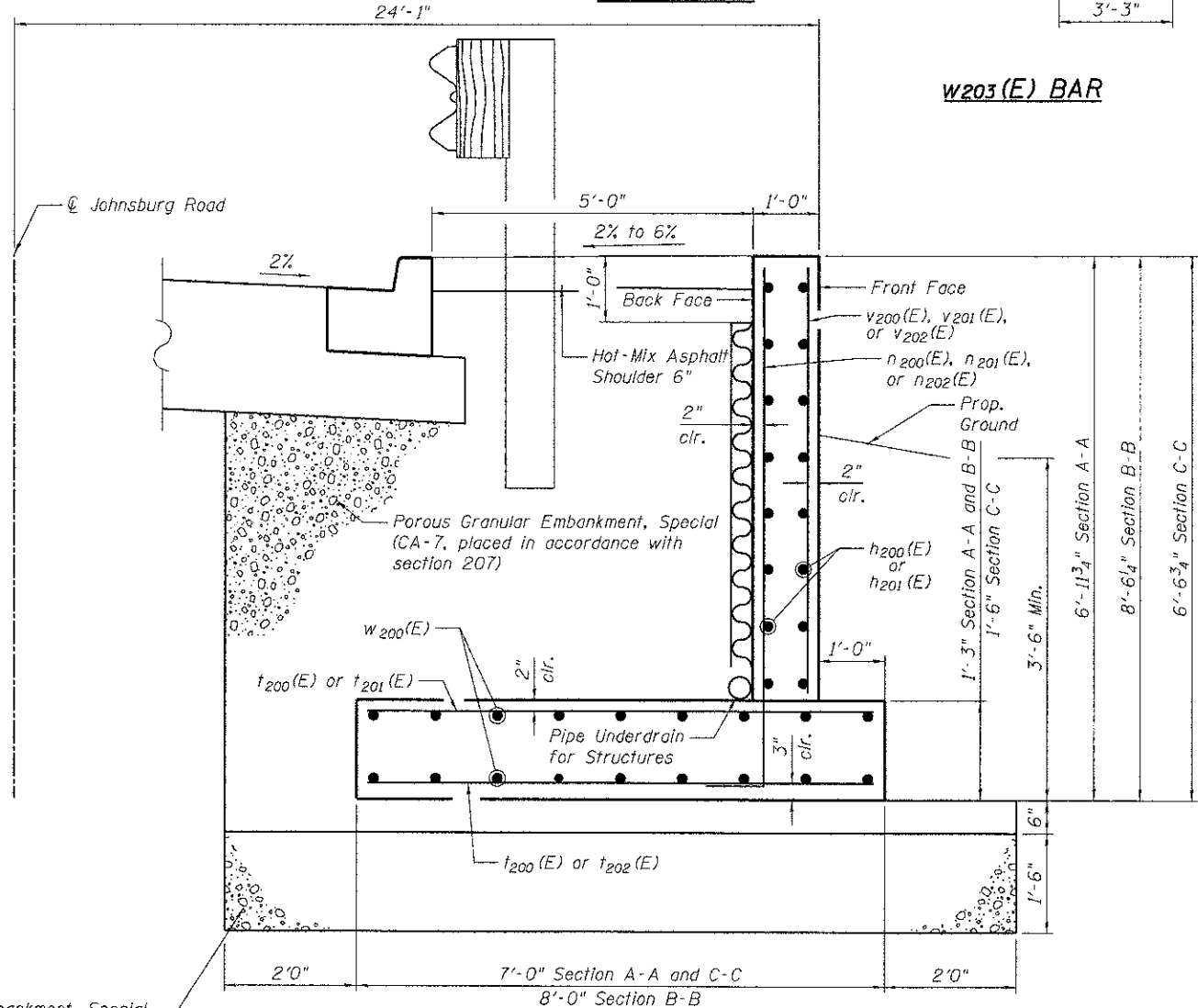
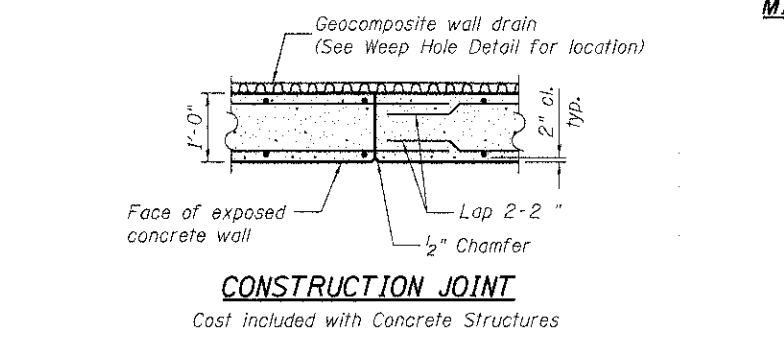


* Cut to fit for storm sewer opening in Section 6



MINIMUM BAR LAP

#5 bar = 3'-3"
 #6 bar = 3'-10"



SECTIONS A, B, AND C

RETAINING WALL DETAILS
 JOHNSBURG ROAD (FAU ROUTE 0168)
 SECTION NO. 05-00314-00-WR
 McHENRY COUNTY
 STATION 155+99.19 TO STATION 158+09.19

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MCHENRY COUNTY
 DIVISION OF TRANSPORTATION

SHEET NO. SB-03 OF SB-04 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0168	05-00314-00-WR	McHENRY	187	128
			CONTRACT NO.	63515
			ILLINOIS FED. AID PROJECT	SFEDPROJNO



Illinois Department of Transportation
Division of Highways
SAM Consultants, Inc.

SOIL BORING LOG

Page 1 of 1

Date 1/19/10

ROUTE Johnsburg Road DESCRIPTION On the road side of the bumper guard LOGGED BY AR

SECTION _____ LOCATION 865' east of Ivy Lane, SEC. 13, TWP. T45N, RNG. R8E

COUNTY McHenry DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.	Station	DEPTH	BULGE	UCS	MOISTURE	Surface Water Elev.	Stream Bed Elev.	GROUNDWATER ELEV.	First Encounter	Upon Completion	After	Hrs.
		(ft)	(/6")	(tsf)	(%)	ft	ft	ft	ft	ft	ft	
8" Asphalt	759.43											
FILL; made with sandy gravelly Clay; damp; stiff		17										
		12										
		15										
SILTY CLAY LOAM; dark gray to gray; occasional stones; damp to moist; soft to medium stiff; (CL-ML) A-4	757.10											
		8										
		6										
		7										
		-5										
		2										
		2										
SAND with gravel; brown; moist to wet; (SP) - A-2-4	753.10											
		4										
		4										
		4										
		-10										
		4										
		4										
		4										
		4										
		-10										
		2										
		1										
		2										
		-15										
Encountered water at 18 feet	742.10											
FINE SAND; brown; saturated; loose to very loose; (SP) A-1-b		1										
		2										
		1										
		-20										

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)



Illinois Department of Transportation
Division of Highways
SAM Consultants, Inc.

SOIL BORING LOG

Page 1 of 1

Date 1/19/10

ROUTE Johnsburg Road DESCRIPTION On the road side of the bumper guard LOGGED BY AR

SECTION _____ LOCATION 1015' east of Ivy Lane, SEC. 13, TWP. T45N, RNG. R8E

COUNTY McHenry DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.	Station	DEPTH	BULGE	UCS	MOISTURE	Surface Water Elev.	Stream Bed Elev.	GROUNDWATER ELEV.	First Encounter	Upon Completion	After	Hrs.
		(ft)	(/6")	(tsf)	(%)	ft	ft	ft	ft	ft	ft	
9" Asphalt pavement	759.75											
FILL; made with gray brown gravelly sand; dense, damp		10										
		22										
		19										
SILTY CLAY LOAM with some stones; moist; medium stiff to stiff; (CL-ML) A-4	757.50											
		6										
		4										
		5										
		-6										
		7										
		6										
		5										
		4										
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		-20										
Encountered water at 17 feet	740.50											

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

SOIL BORING LOGS
JOHNSBURG ROAD (FAU ROUTE 0168)
SECTION NO. 05-00314-00-WR
McHENRY COUNTY
STATION 155+99.19 TO STATION 158+09.19

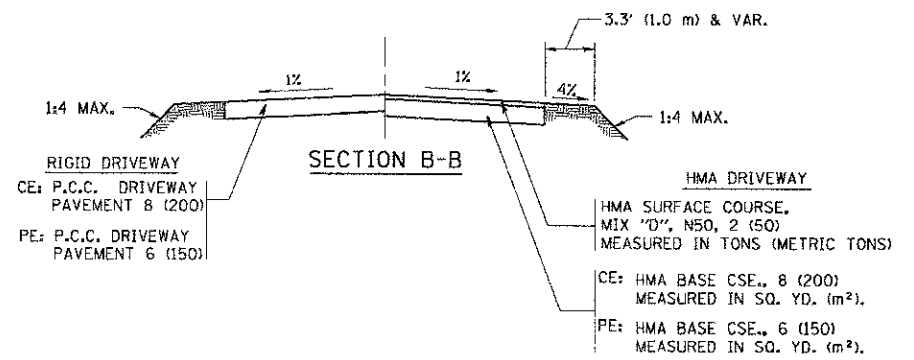
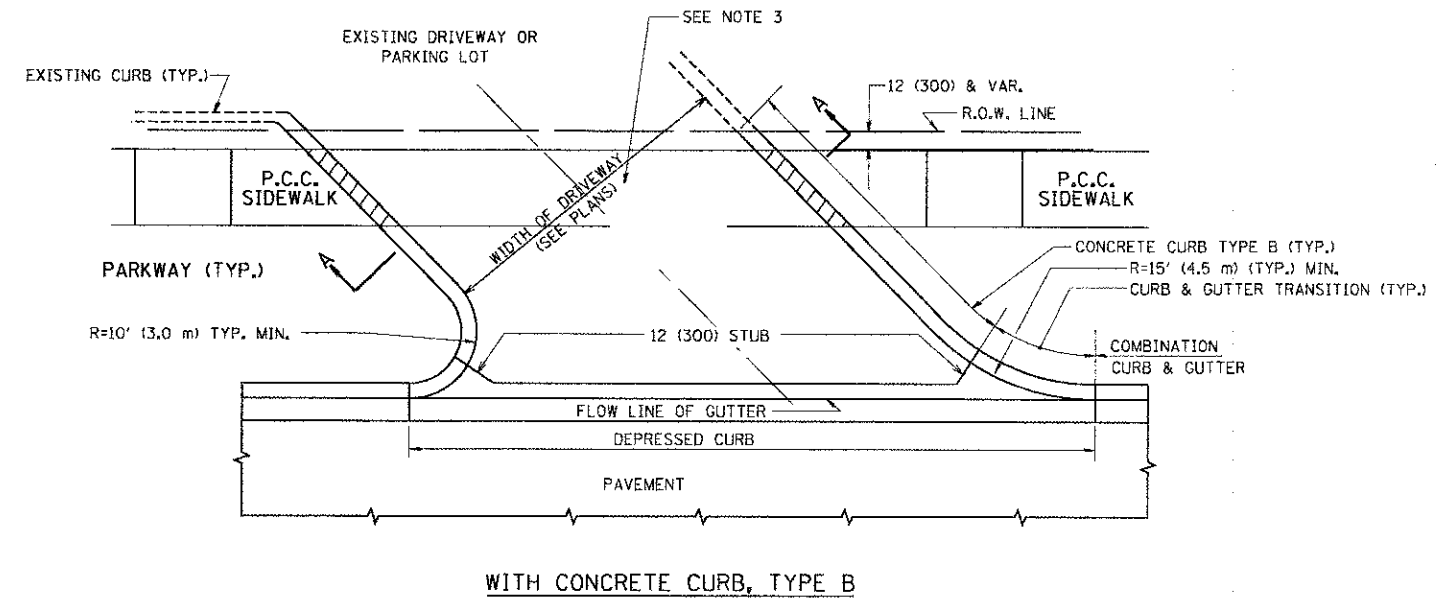
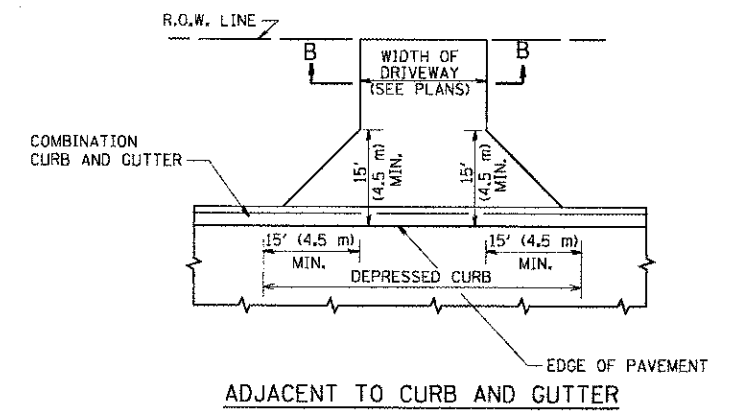
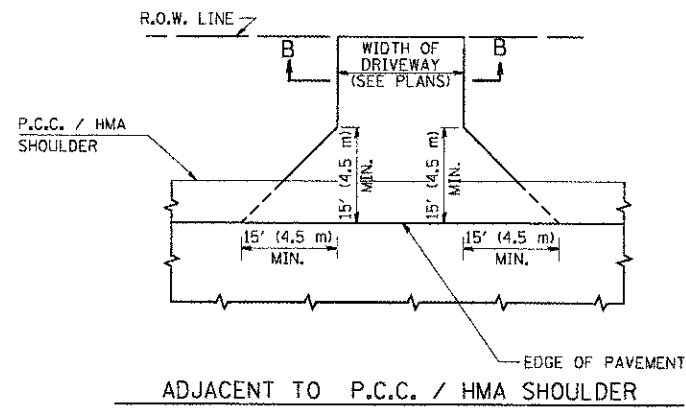
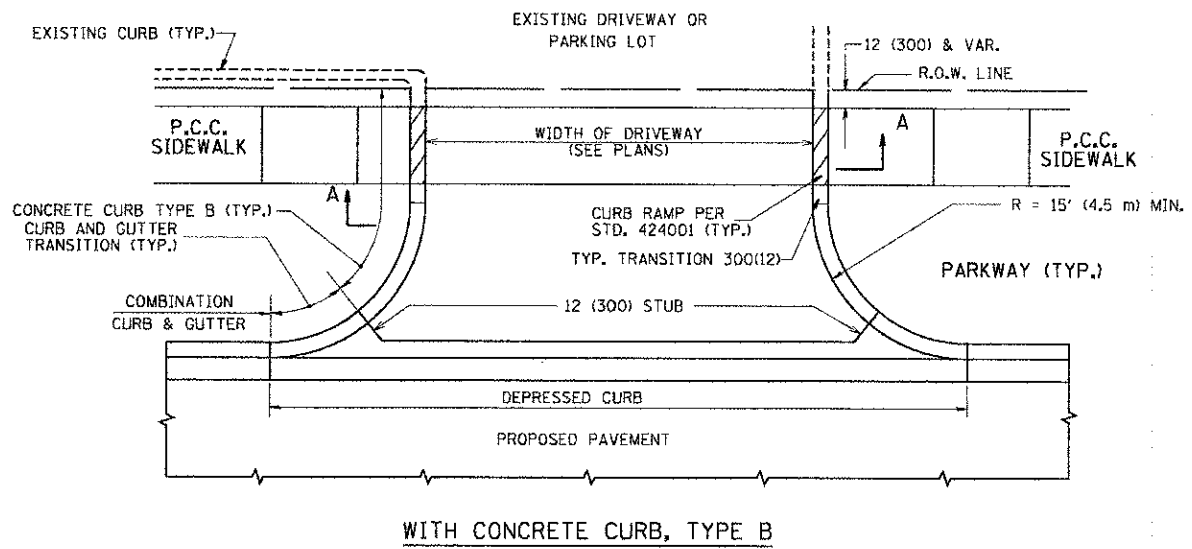
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MCHENRY COUNTY
DIVISION OF TRANSPORTATION

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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SHEET NO. SB-04 OF SB-04 SHEETS			CONTRACT NO. 63515	
ILLINOIS FED. AID PROJECT #FEDPROJND#				



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.

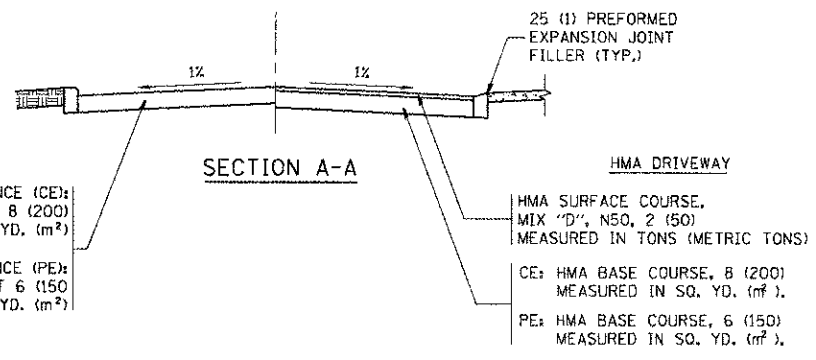
COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

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.



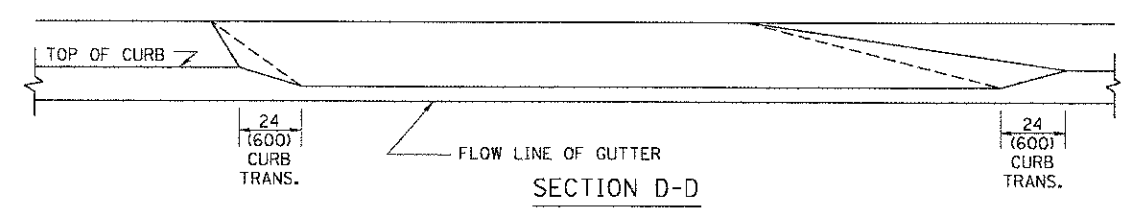
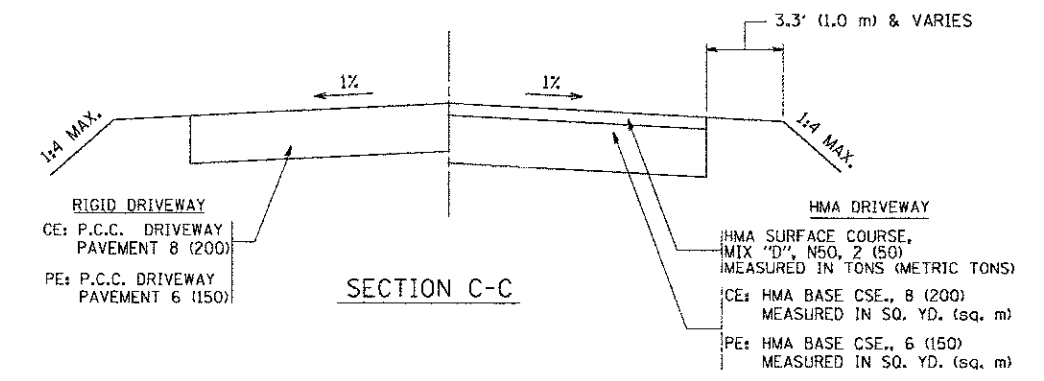
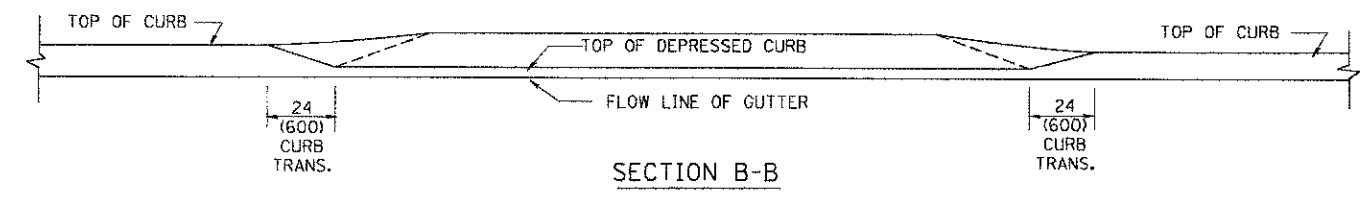
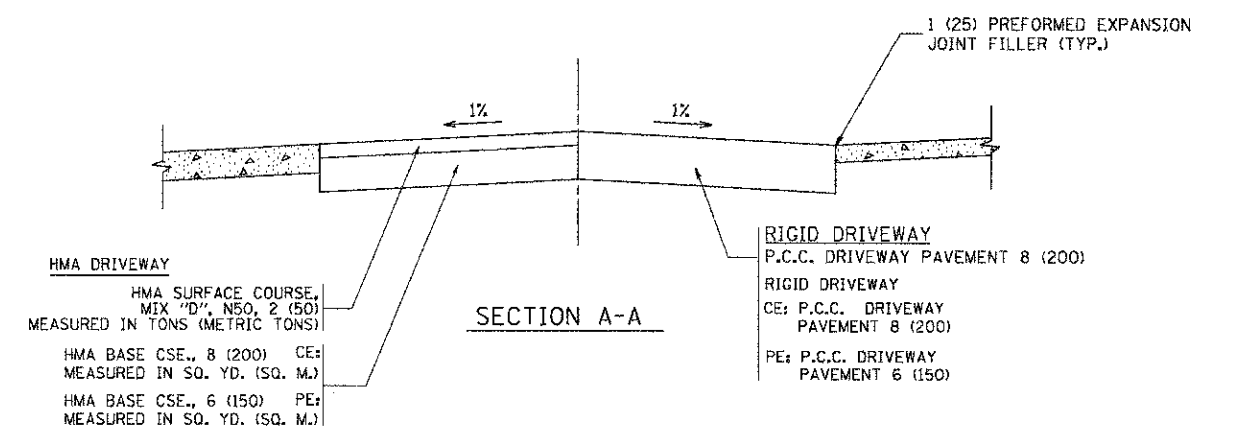
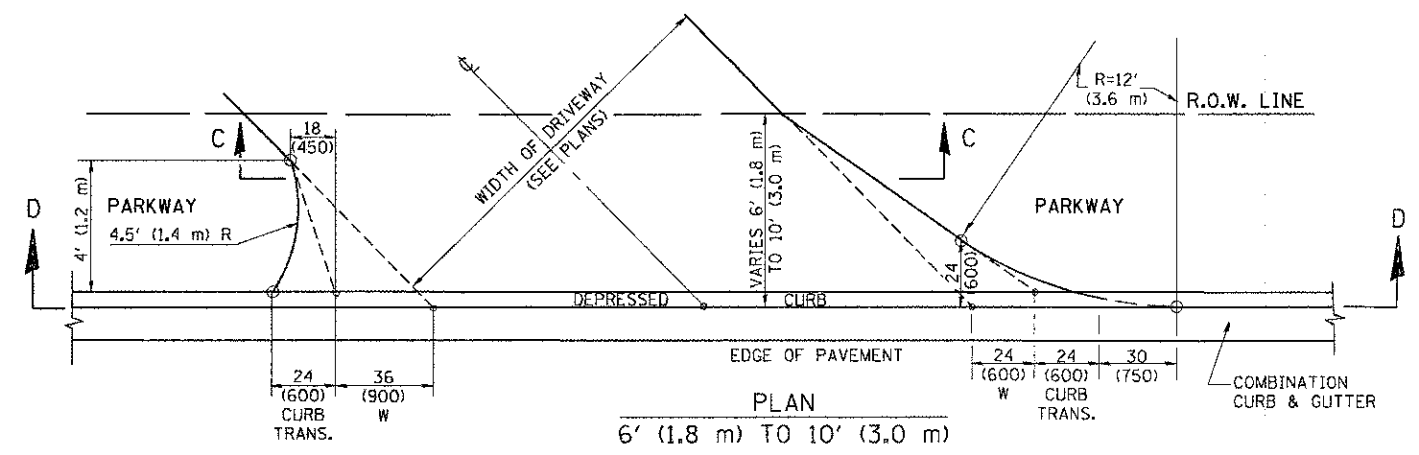
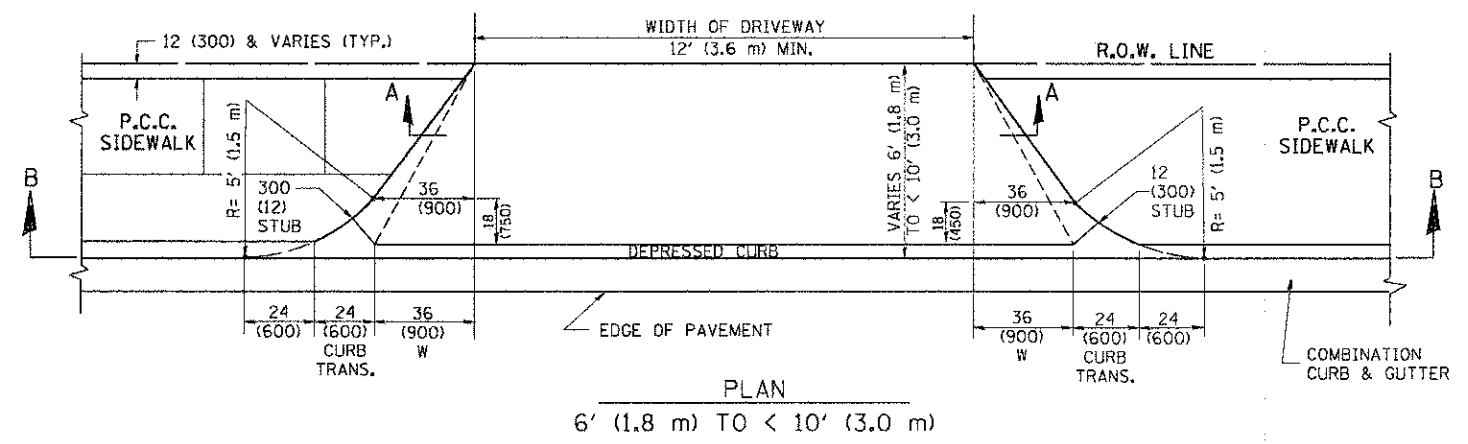
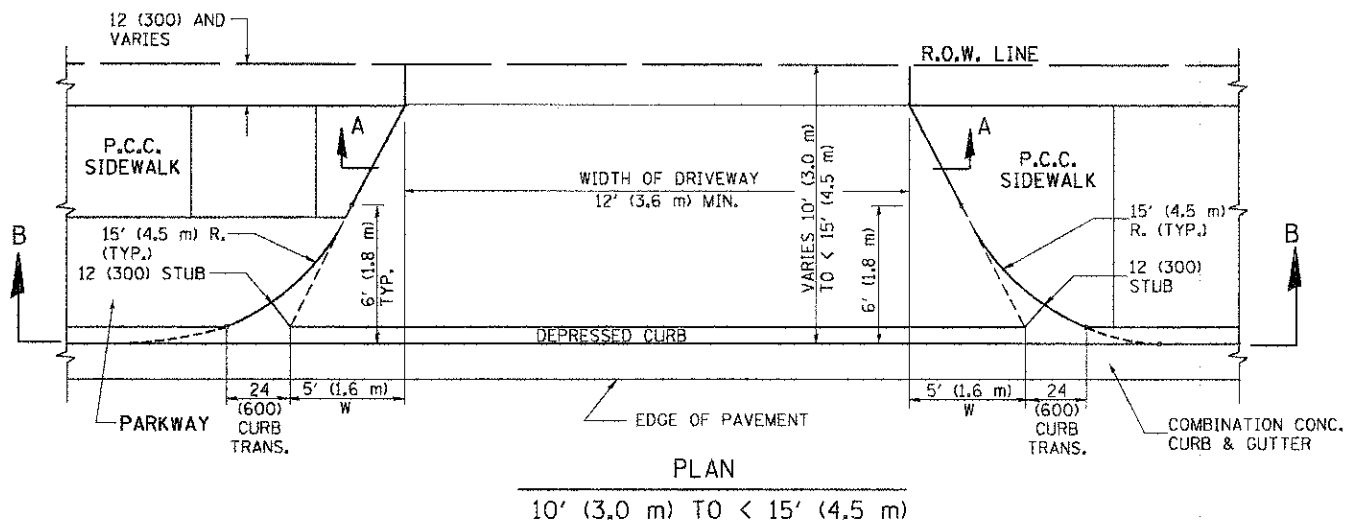
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		DATE - 11-04-95	REVISED - R. BORO 09-06-11

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m)			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	130
BD0156-07 (BD-01)				CONTRACT NO. 63515
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.

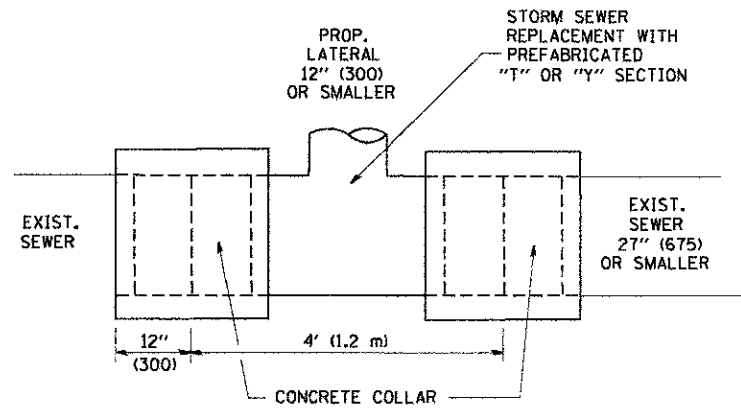
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PLOT DATE: 12/28/2011

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		CHECKED -	REVISED - R. BORO 01-01-07
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

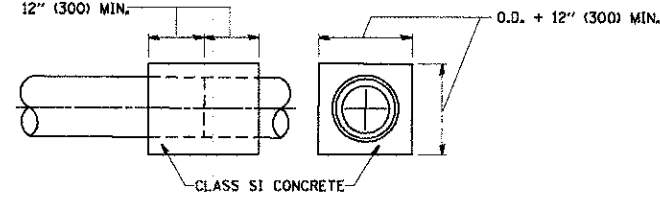
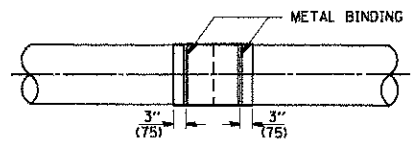
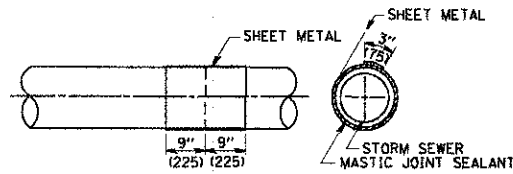
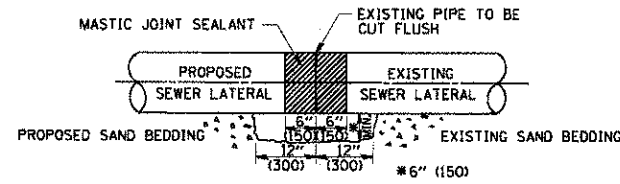
DRIVEWAY DETAILS			
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	131
BD400-02 (BD-02)			CONTRACT NO. 63515	
FED. ROAD DIST. NO. 7 (ILLINOIS) FED. AID PROJECT				



DETAIL "A"

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

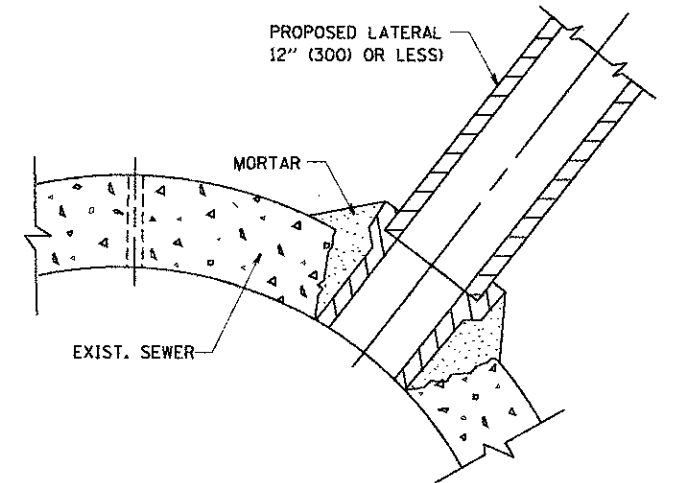


DETAIL "B"

CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

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



DETAIL "C"

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

NOTES

MATERIAL

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

CONSTRUCTION METHODS

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

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

GENERAL

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

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

BASIS OF PAYMENT

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

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

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

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

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

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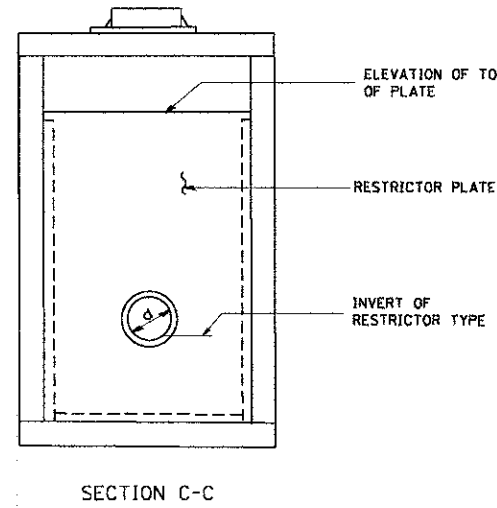
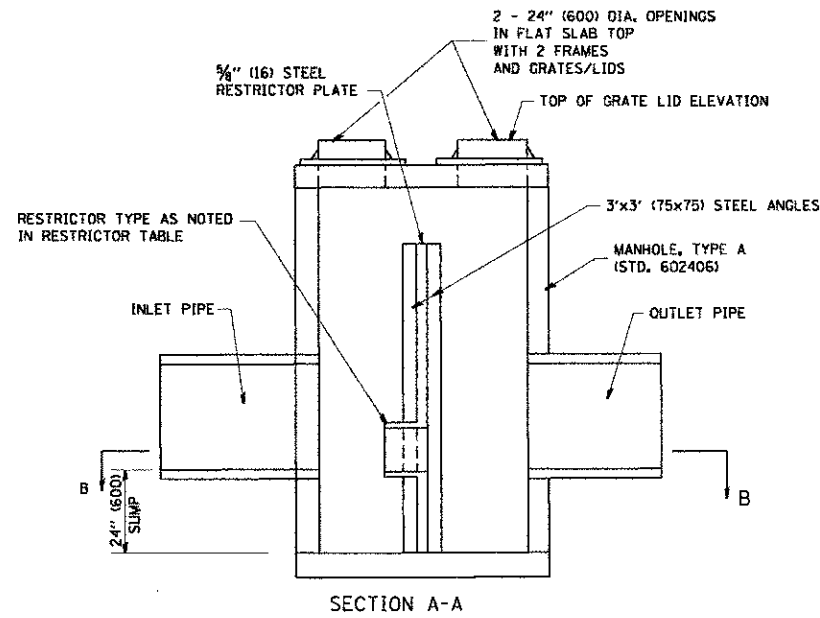
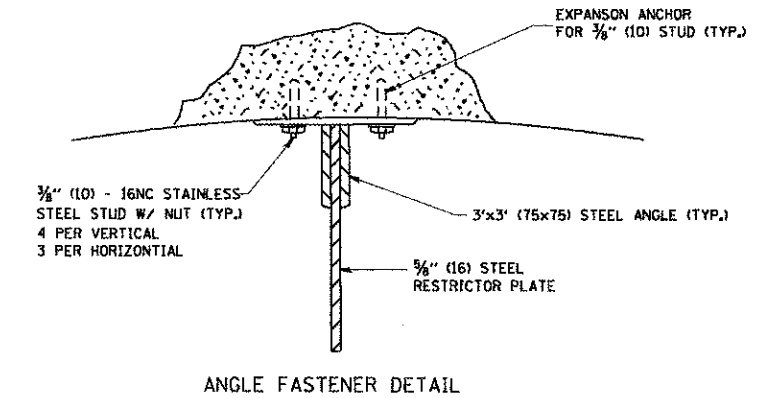
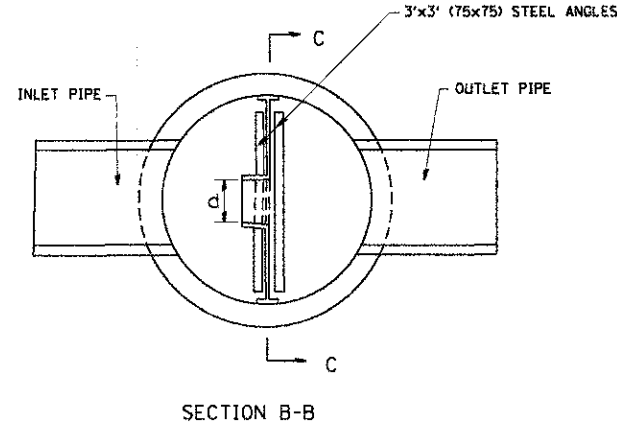
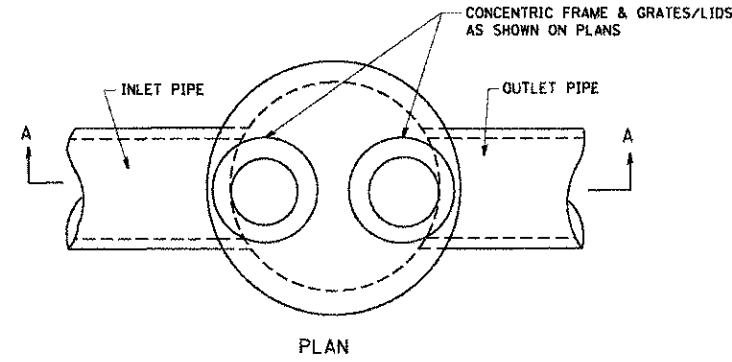
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		CHECKED -	REVISED - R. SHAH 10-25-94
		DATE - 07-25-90	REVISED - R. SHAH 06-12-96

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

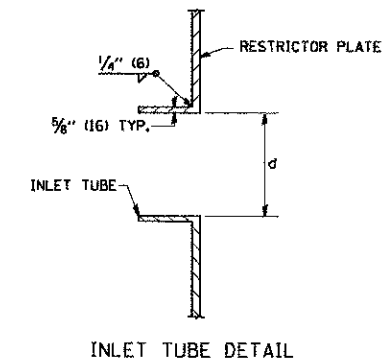
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DETAIL OF STORM SEWER
CONNECTION TO EXISTING SEWER

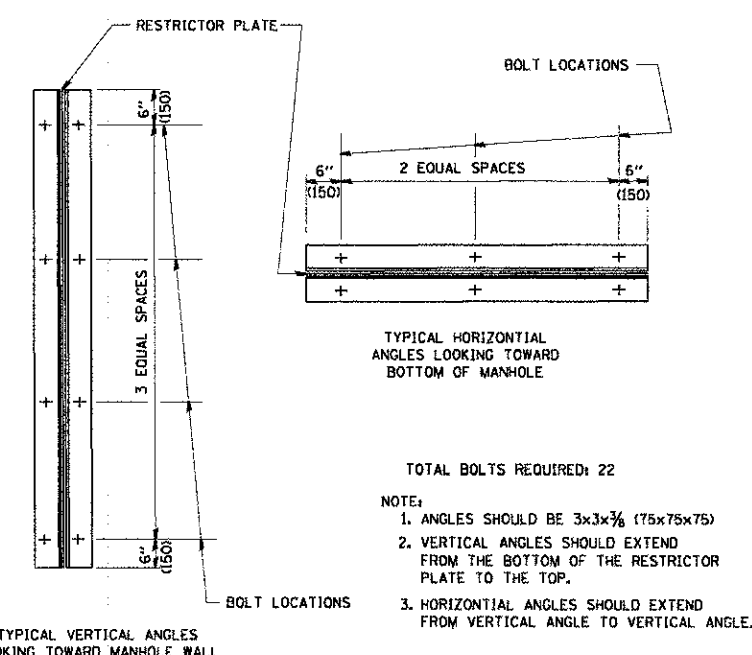
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	132
BD500-01 (BD-7)			CONTRACT NO. 63515	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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



STATION	MANHOLE DIAMETER	FRAME AND GRATE	RESTRICTOR TYPE	INSIDE RESTRICTOR TYPE DIAMETER In. (mm)	INVERT OF RESTRICTOR TYPE 2-YR/(100-YR)	ELEVATION OF TOP OF PLATE OVERFLOW
104+64, 37' LT	6'	TICL	3	4", 6"	808.52/(809.60)	811.56
156+25, 32' RT	7'	TICL	3	4", 6"	746.60/(748.58)	750.60



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

VALUES OF "C" FOR CIRCULAR AND SQUARE ORIFICES

COMPANY NAME: MCHENRY COUNTY
 PROJECT CONTACT: 12/14/2002 6:08:29 PM
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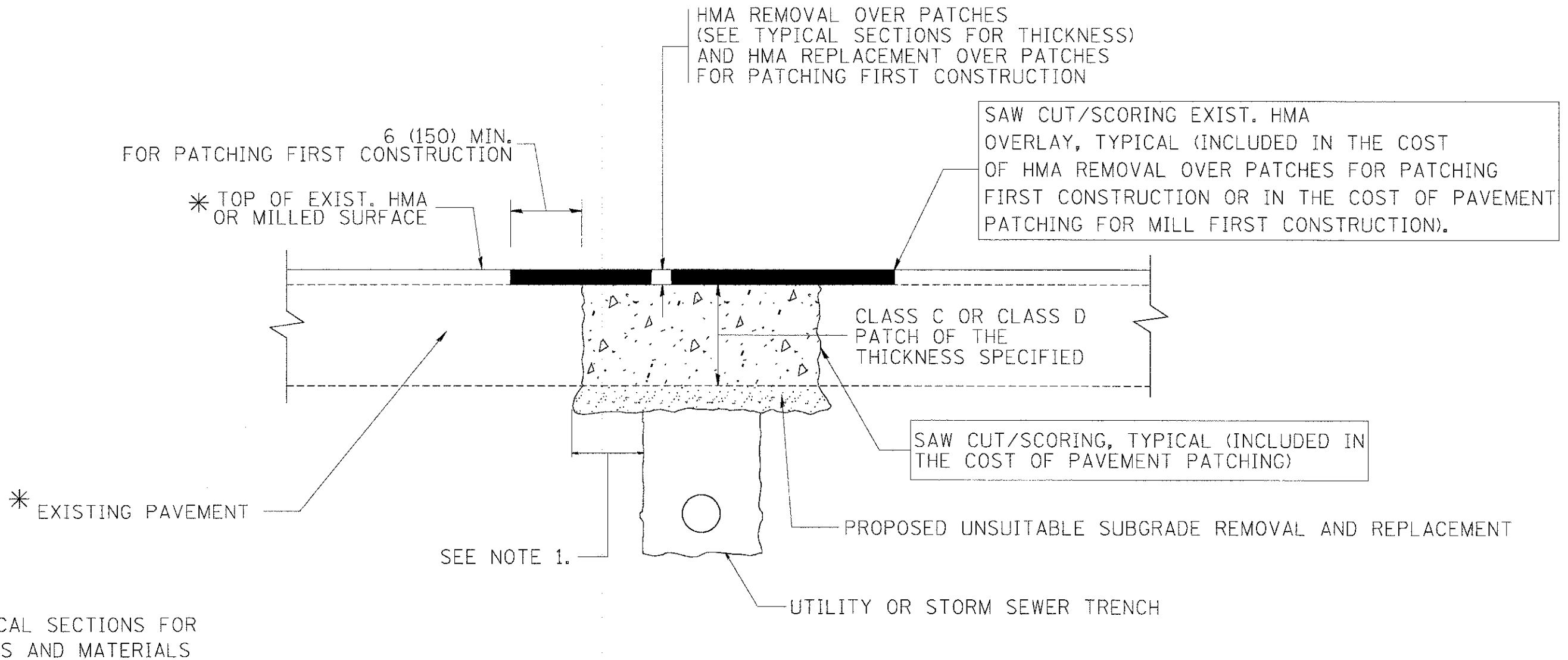
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

MANHOLE WITH
 RESTRICTOR PLATE

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

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	133
BD600-04 (BD-12)		CONTRACT NO.		63515
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

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

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

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

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

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

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

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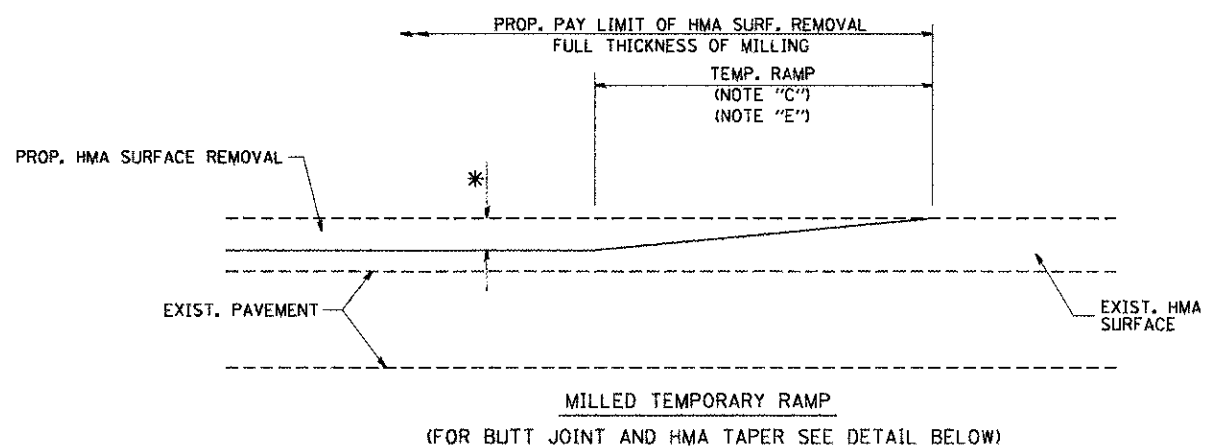
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

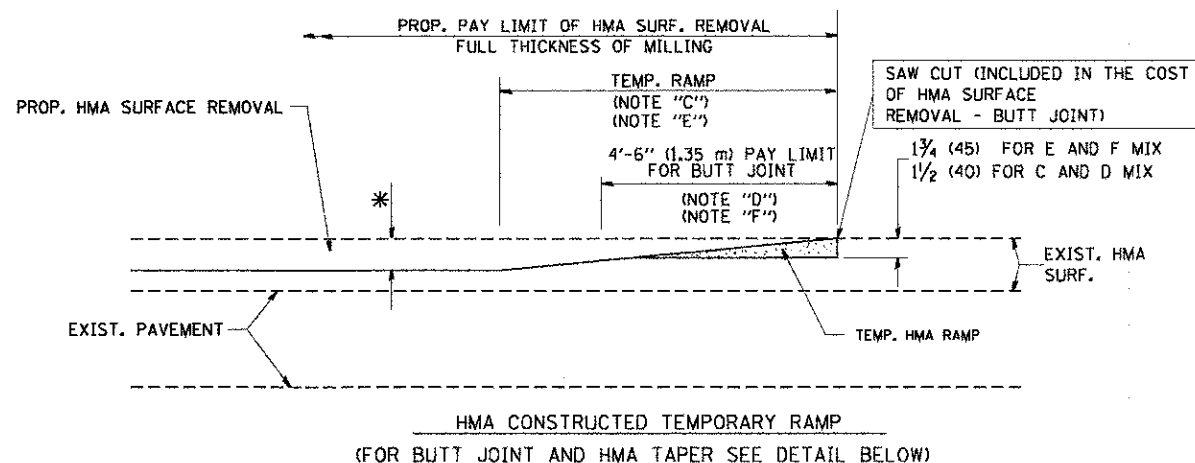
**PAVEMENT PATCHING FOR
HMA SURFACED PAVEMENT**

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

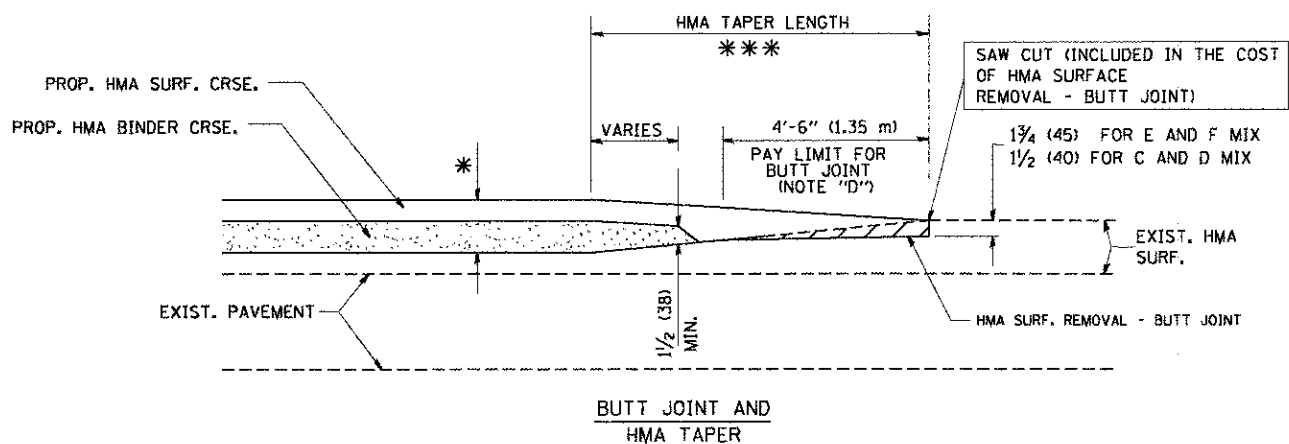
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BD400-04 (BD-22)			CONTRACT NO. 63515	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



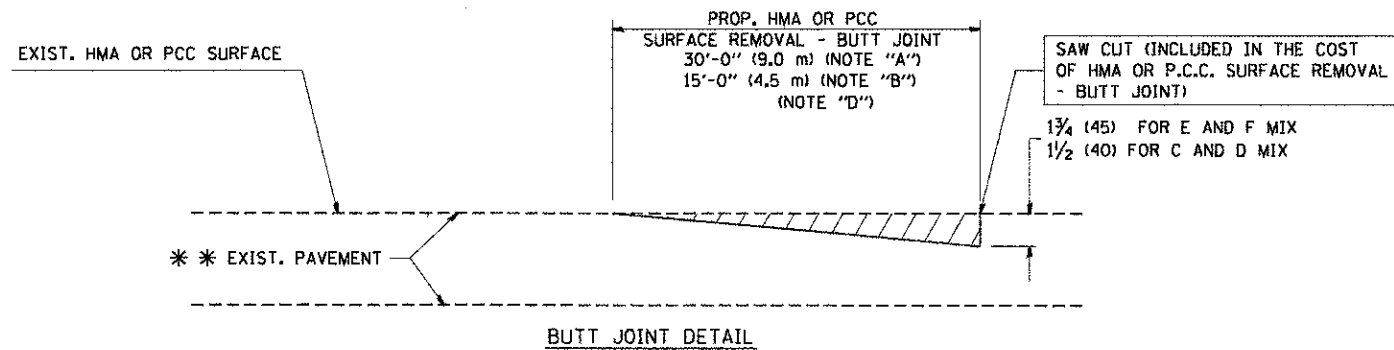
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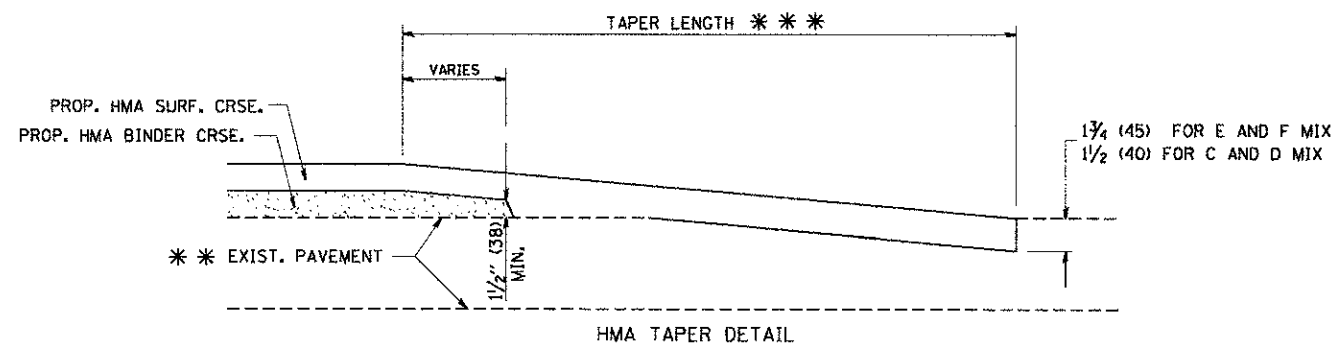
OPTION 2
TYPICAL TEMPORARY RAMP



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.

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	PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND
HMA TAPER DETAILS**

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

F.A.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	135
BD400-05 BD32		CONTRACT NO. 63515		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

GENERAL NOTES

ALTERNATE MATERIAL FOR THE WALLS MAY BE CONCRETE MASONRY UNITS, PRECAST REINFORCED CONCRETE SECTIONS OR CAST-IN-PLACE CONCRETE. THE CAST IRON STEPS AS DETAILED HEREON ARE TYPICAL. STEPS OF OTHER DESIGN AND MATERIAL THAT CONFORM TO THE MINIMUM REQUIREMENTS OF THE STEPS SHOWN MAY BE USED WHEN APPROVED BY THE ENGINEER.

CAST IRON STEPS SHALL BE GRAY IRON CONFORMING TO THE REQUIREMENTS OF ARTICLE 1006.14 OF THE STANDARD SPECIFICATIONS.

STEPS SHALL BE EMBEDDED INTO THE WALL A MINIMUM OF THREE (3) INCHES. STEPS SHALL NOT BE EXTENDED ON THE OUTSIDE.

STEPS SHALL BE OMITTED FOR WORK IN COOK COUNTY WHEN THE DEPTH OF THE MANHOLE IS TEN (10') OR LESS.

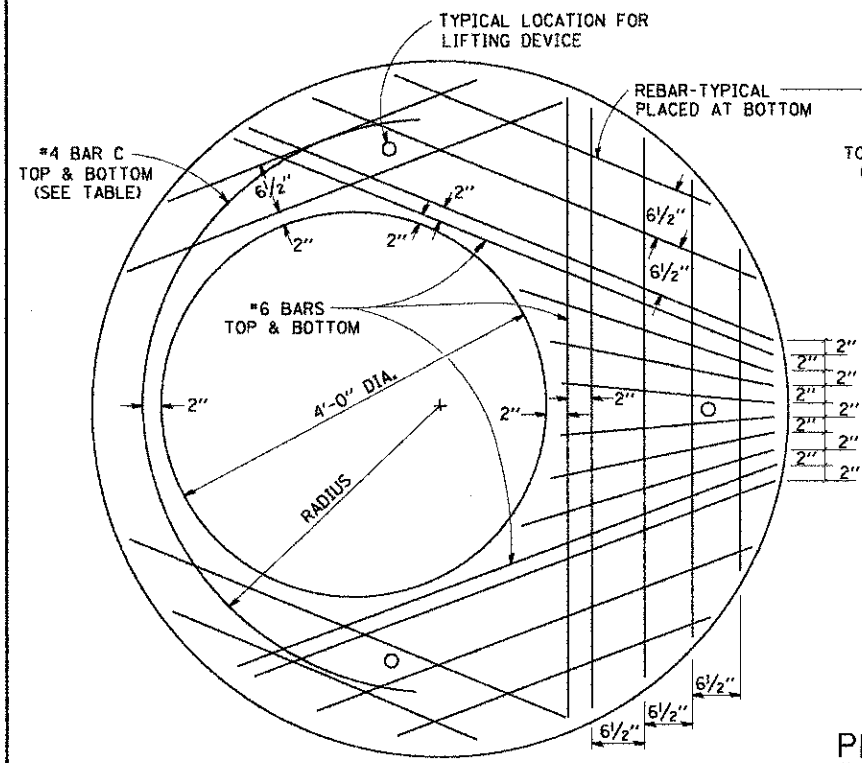
IN ADDITION TO THE REQUIREMENTS OF ARTICLE 612.13 OF THE STANDARD SPECIFICATIONS, THE CONTRACT UNIT PRICE FOR MANHOLES, TYPE A, 7'-DIAMETER SHALL INCLUDE THE SAND CUSHION WHEN REQUIRED, FURNISHING AND INSTALLING STEPS WHEN REQUIRED, FURNISHING AND COMPACTING THE SPECIFIED BACKFILL MATERIAL, AND FURNISHING AND INSTALLING FLAT SLAB TOP.

PRECAST FLAT SLAB TOP SHALL CONFORM TO ARTICLES 505.01 THRU 505.05 OF THE STANDARD SPECIFICATIONS EXCEPT THAT THE CONCRETE STRENGTH SHALL BE 4,000 PSI AFTER 28 DAYS. REINFORCEMENT BARS AND WELDED WIRE FABRIC SHALL CONFORM TO THE REQUIREMENTS OF ARTICLE 1006.10. ONLY GRADE 60 REINFORCEMENT BARS WILL BE PERMITTED.

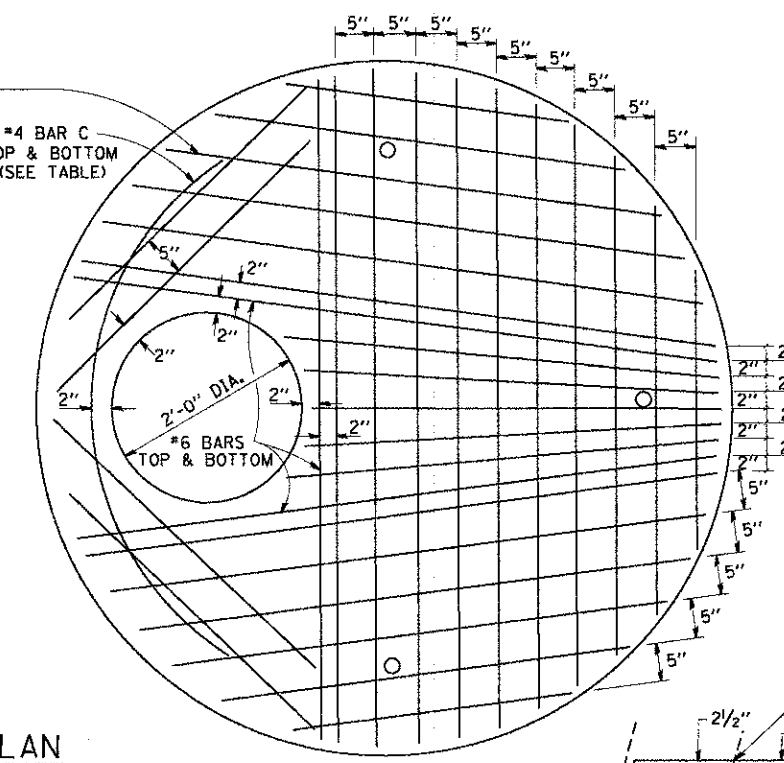
BOTTOM SLAB SHALL BE REINFORCED BY EITHER REINFORCEMENT BARS OR WELDED WIRE FABRIC. THE MINIMUM REINFORCEMENT SHALL BE 0.46 SQUARE INCH PER LINEAR FOOT IN BOTH DIRECTIONS.

JOINT CONFIGURATION AND DIMENSIONS OF FLAT SLAB TOP SHALL MATCH AND FIT THE RISER JOINT DETAIL.

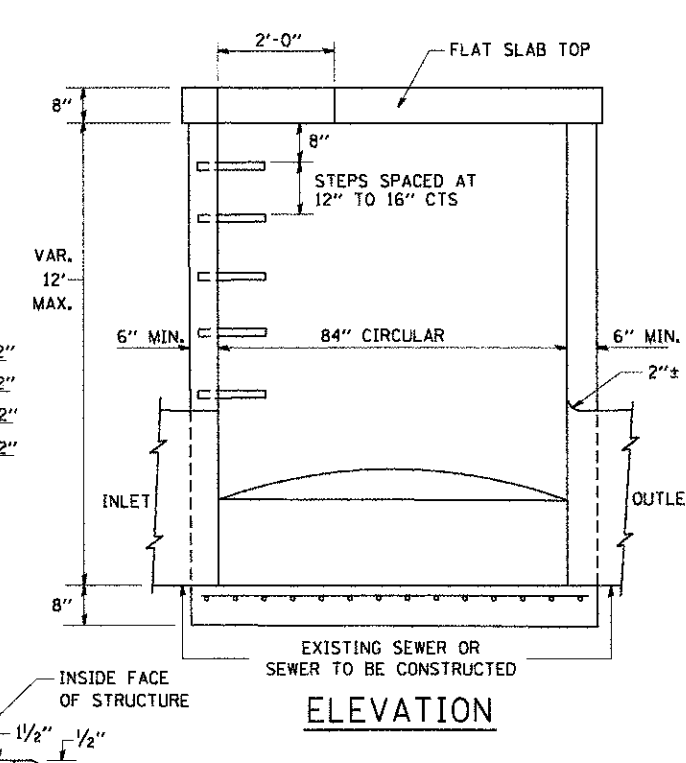
LIFTING DEVICES SHALL BE APPROVED BY THE ENGINEER.



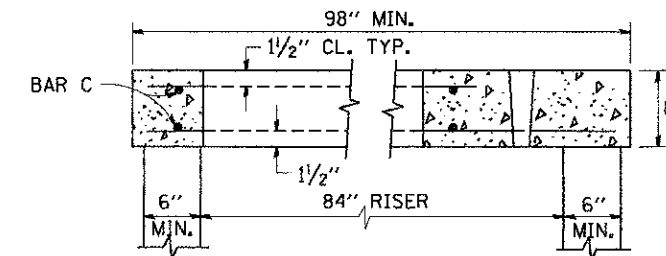
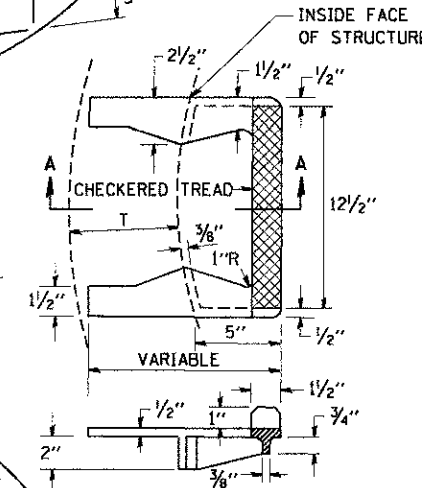
PLAN
SHOWING REBAR REINFORCEMENT



SEC. A-A
CAST IRON STEPS

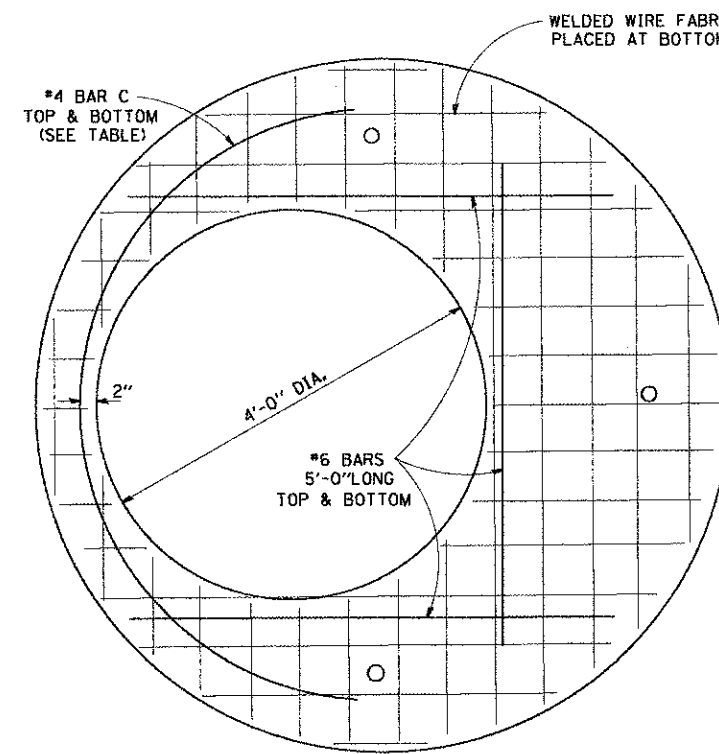


ELEVATION

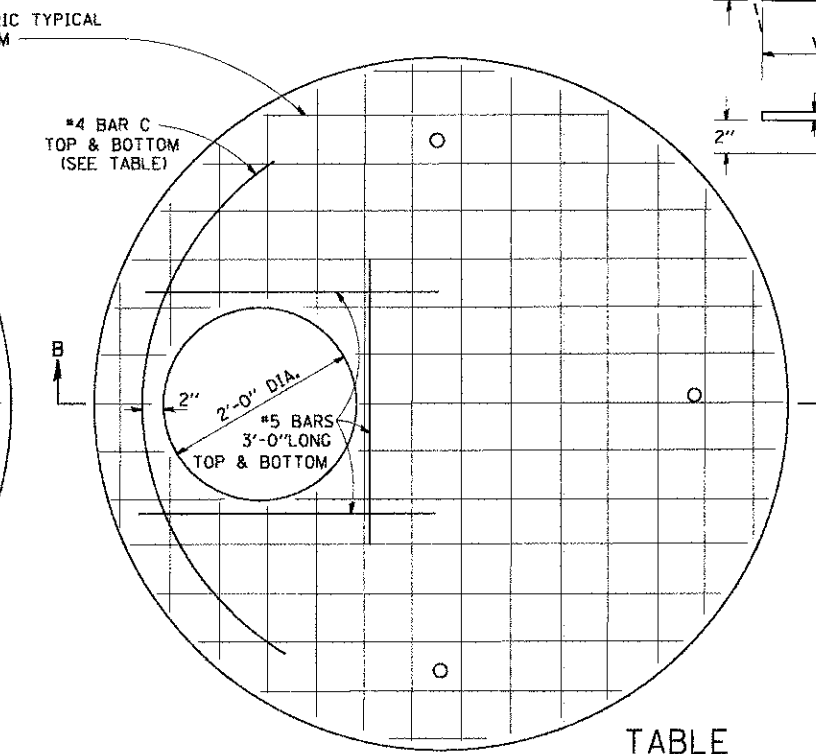


SECTION B-B

ALTERNATE MATERIALS FOR RISERS	(MIN.)
CONCRETE MASONRY UNITS	5"
PRECAST REINFORCED CONCRETE SECTIONS	4"
CAST-IN-PLACE CONCRETE	6"



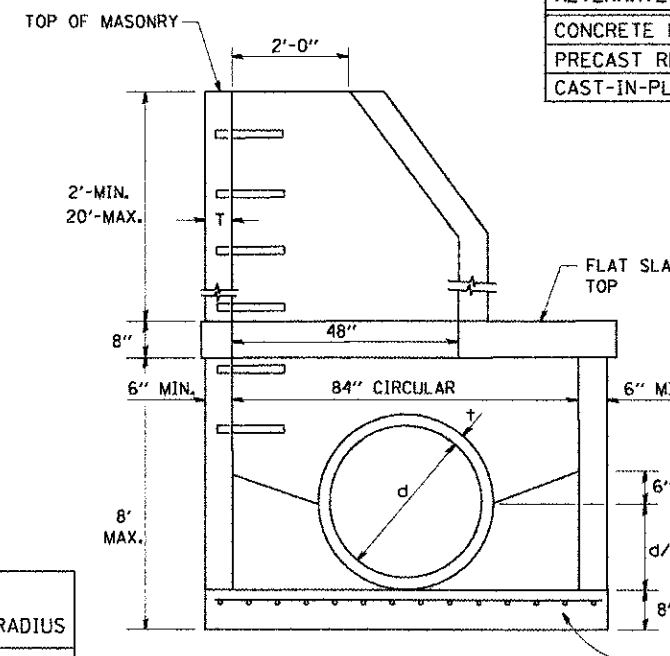
PLAN
SHOWING WELDED WIRE FABRIC REINFORCEMENT



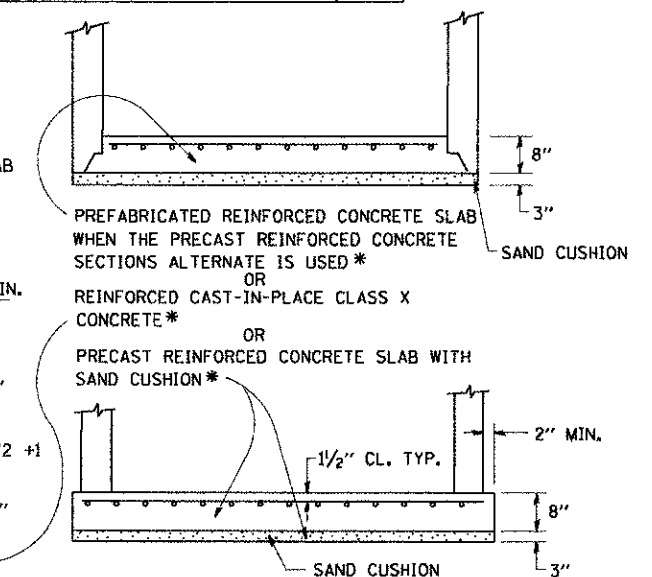
TABLE

DIAMETER OF OPENING	REINFORCEMENT "A" WWF OR BAR SIZE EACH DIRECTION	OR BAR SIZE	BAR C		
			SIZE	LENGTH	RADIUS
2'-0"	1.06 SQ.IN./LIN.FT.	#6	#4	6'-0"	38"
4'-0"	0.82 SQ.IN./LIN.FT.	#6	#4	9'-0"	38"

NOTE: THIS STRUCTURE SHOULD BE USED WITH PIPES SIZE 54" DIA. OR SMALLER.



ELEVATION



PREFABRICATED REINFORCED CONCRETE SLAB WHEN THE PRECAST REINFORCED CONCRETE SECTIONS ALTERNATE IS USED *

OR REINFORCED CAST-IN-PLACE CLASS X CONCRETE *

OR PRECAST REINFORCED CONCRETE SLAB WITH SAND CUSHION *

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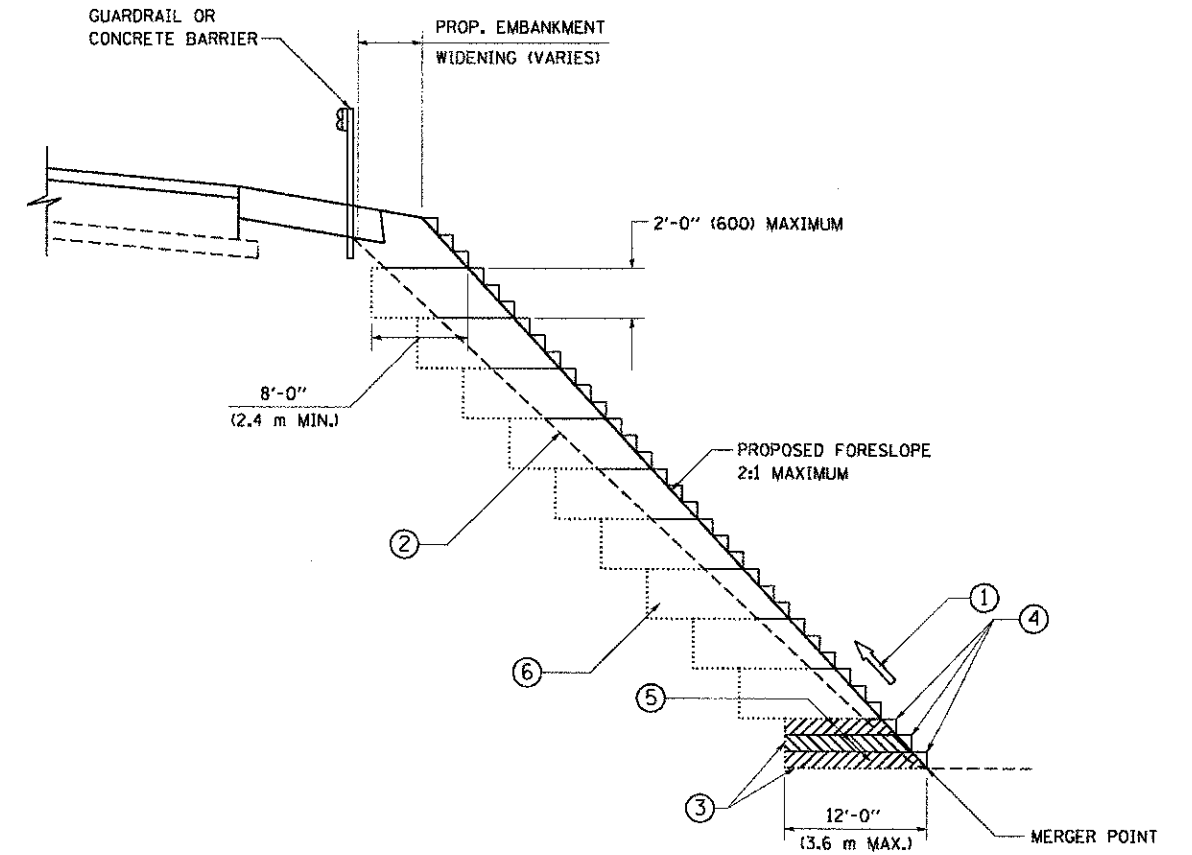
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PLOT DATE = 1/4/2009

DESIGNED -
DRAWN -
CHECKED -
DATE - 10-18-02
REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MANHOLE TYPE A
7 FOOT DIAMETER
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	136
BD600-11 (BD-37)			CONTRACT NO. 63515	
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.

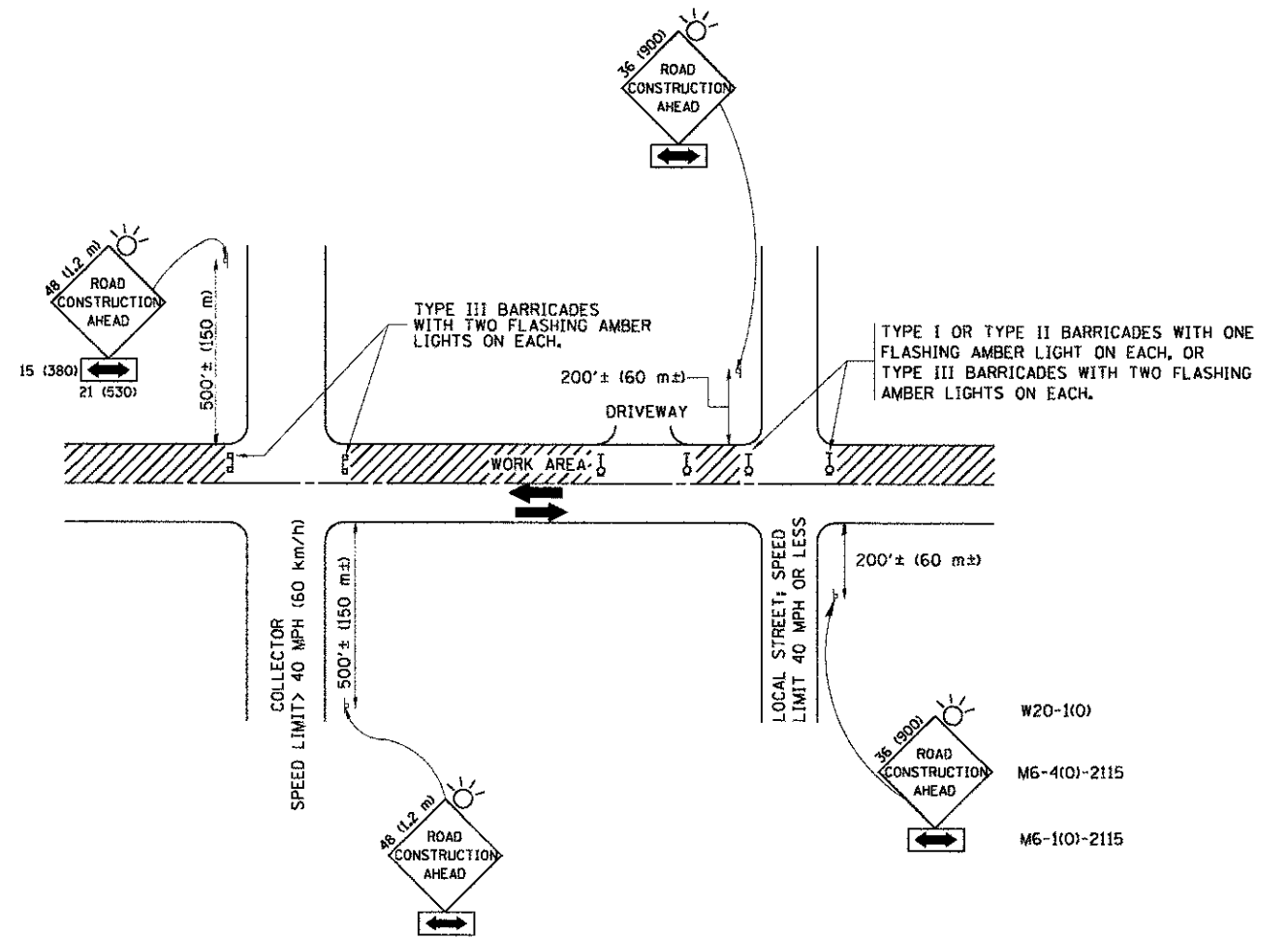
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BENCHING DETAIL FOR EMBANKMENT WIDENING		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	168	05-00314-00-WR	MCHENRY	187	137
	STA. TO STA.	BD-51		CONTRACT NO. 63515		

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT						
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TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

NOTES:

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

USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.

 - C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
 - D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

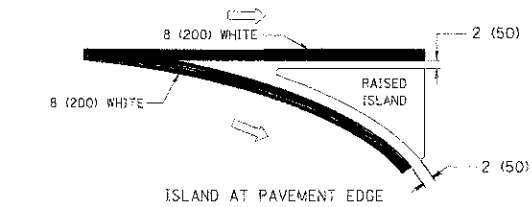
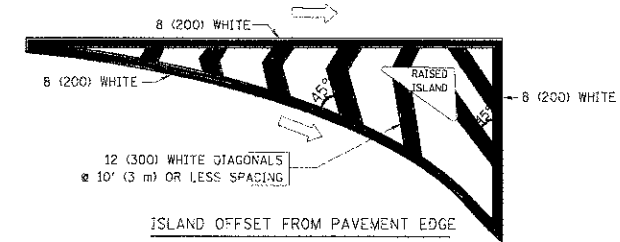
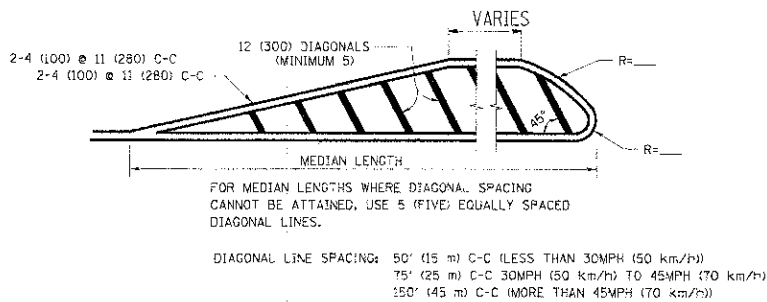
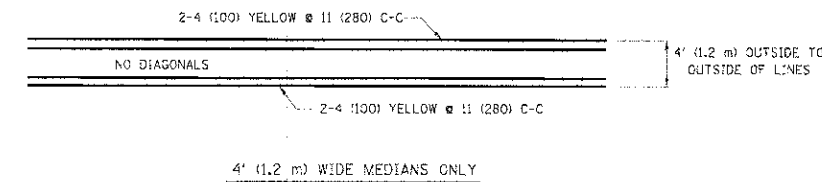
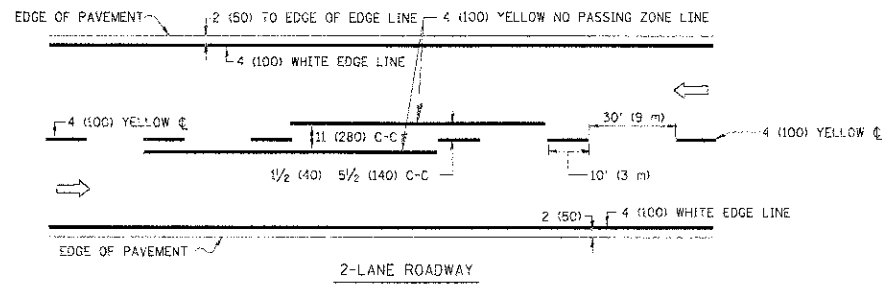
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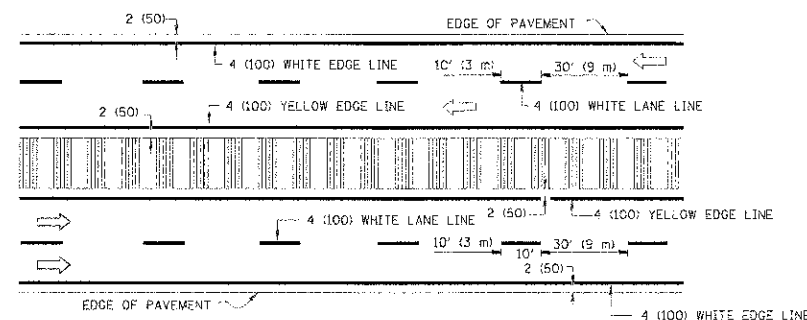
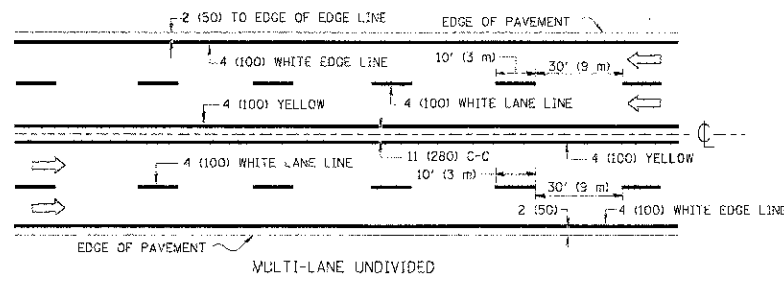
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

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.
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TC-10			CONTRACT NO. 63515	
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				

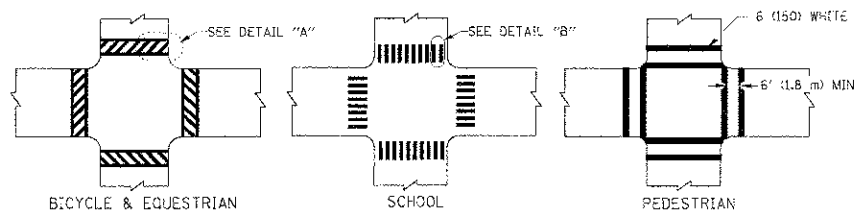


TYPICAL ISLAND MARKING

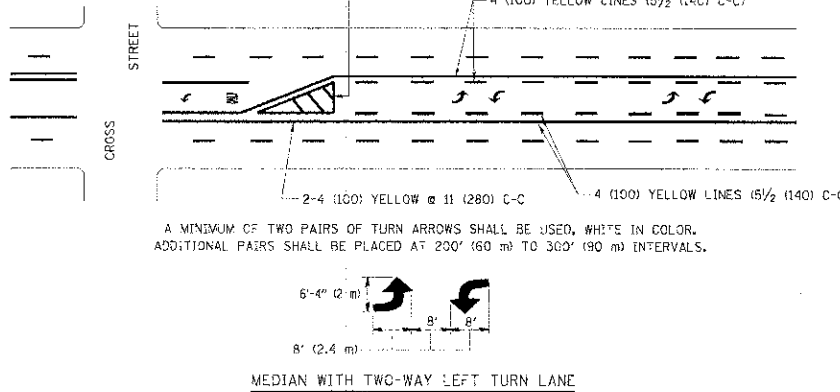


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

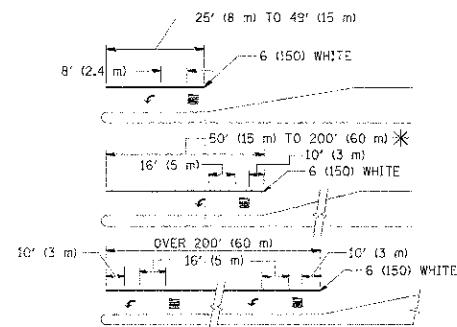
TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING



TYPICAL PAINTED MEDIAN MARKING



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

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FILL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN A. DIAGONALS (BIKE & EQUESTRIAN B. LONGITUDINAL BARS (SCHOOL))	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C (30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R" = 3.6 SQ. FT. (0.33 m ²) EACH "X" = 54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	80' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

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

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

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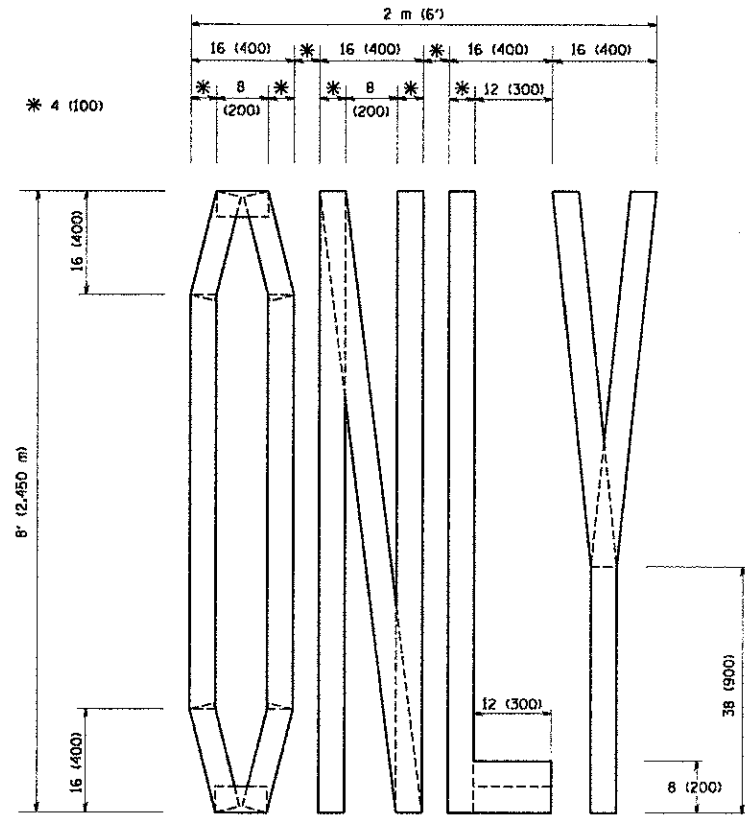
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

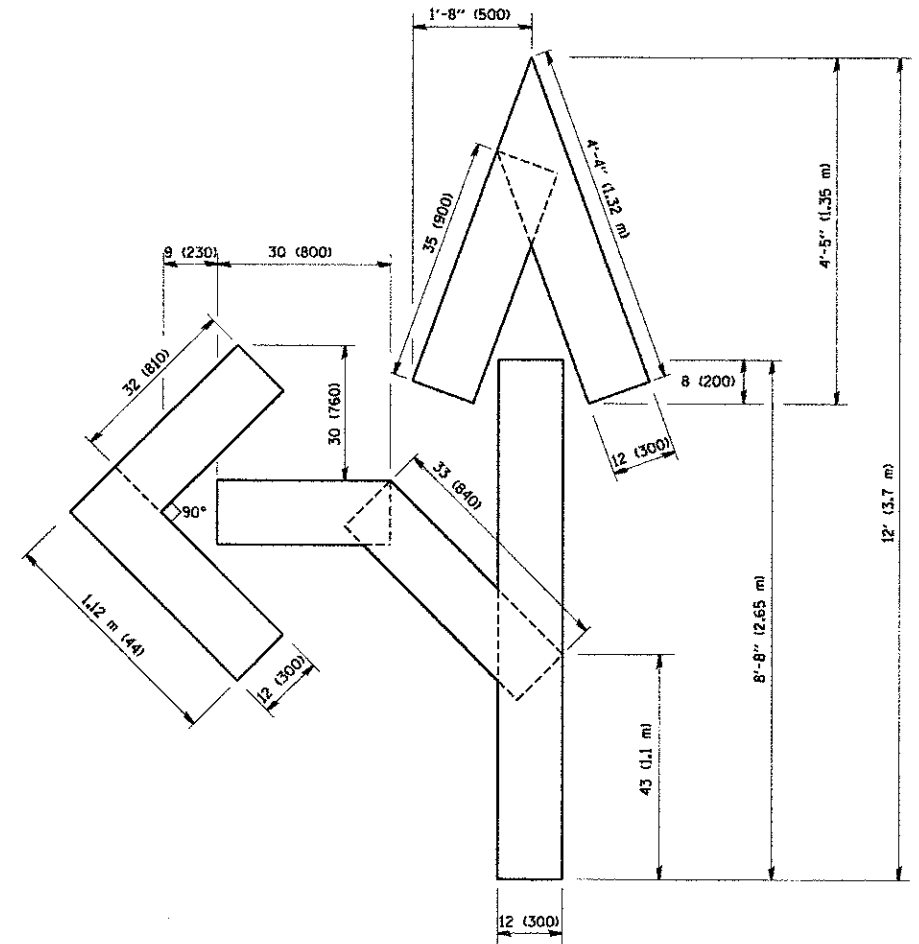
DISTRICT ONE
 TYPICAL PAVEMENT MARKINGS

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TC-13		CONTRACT NO. 63515		
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

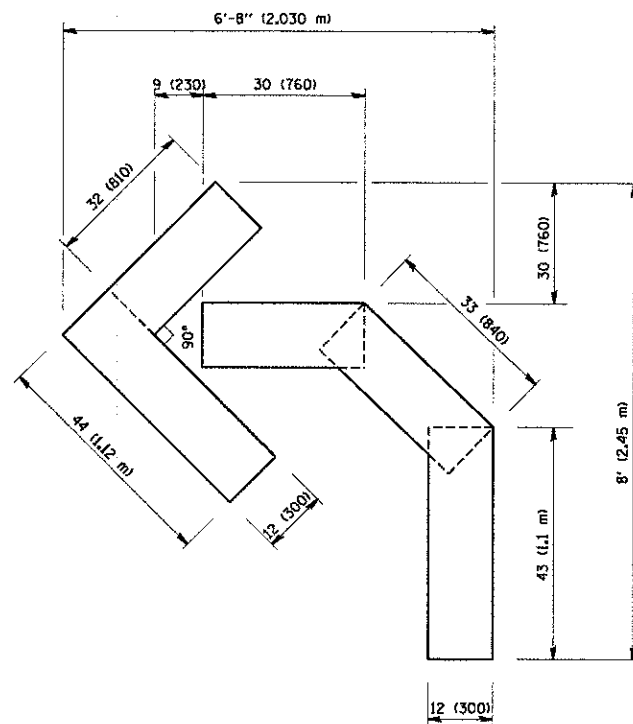
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.



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.

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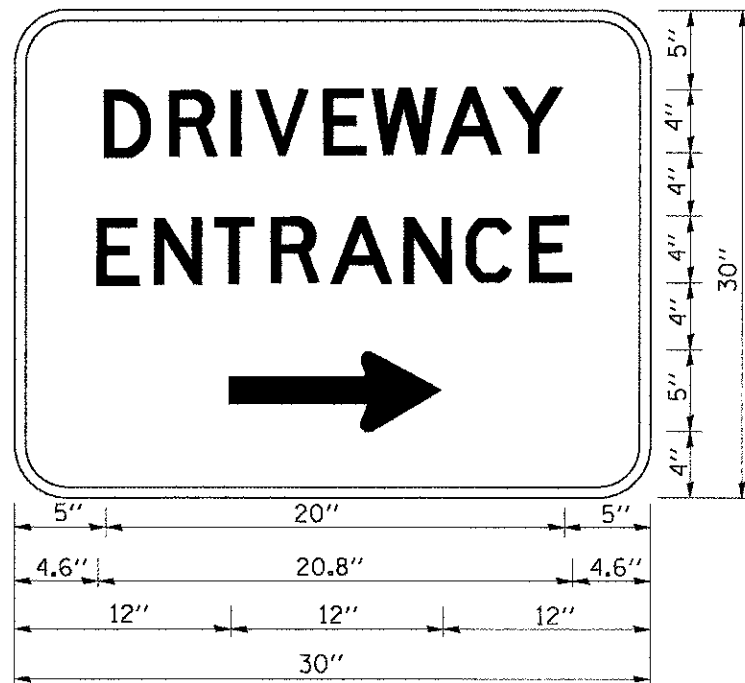
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

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.
168	05-00314-00-WR	MCHEMRY	187	140
TC-16			CONTRACT NO. 63515	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

NOTES:

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK; ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

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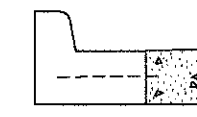
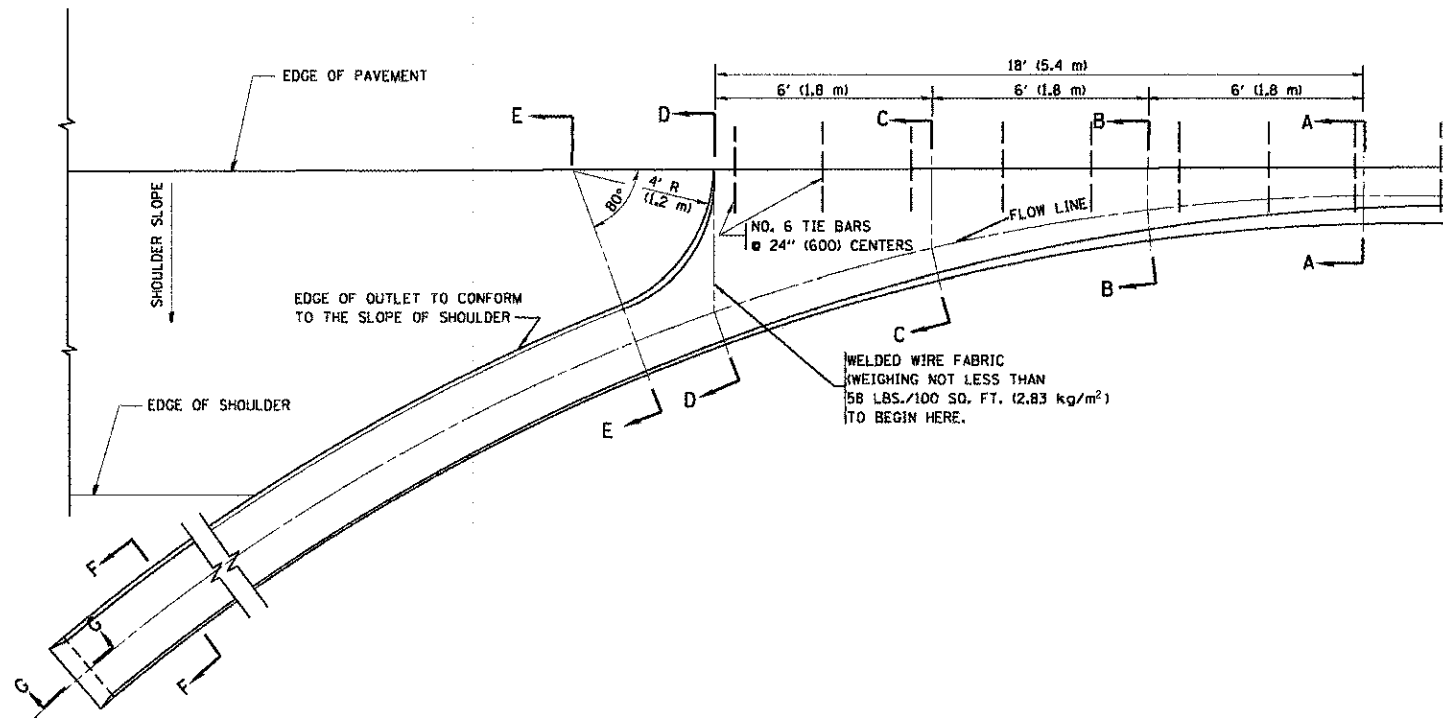
REVISED - C. JUCIUS 02-15-07
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DRIVEWAY ENTRANCE SIGNING

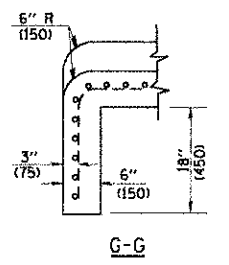
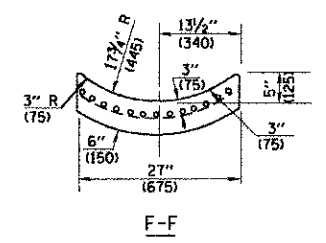
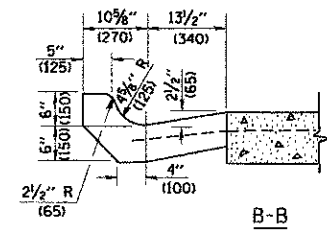
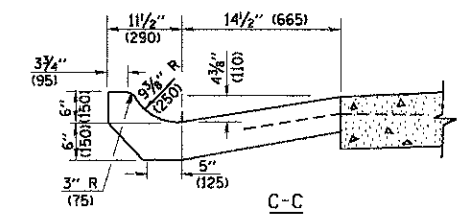
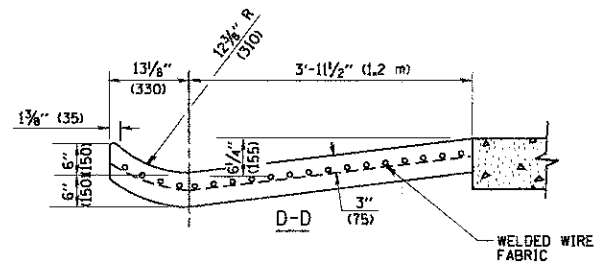
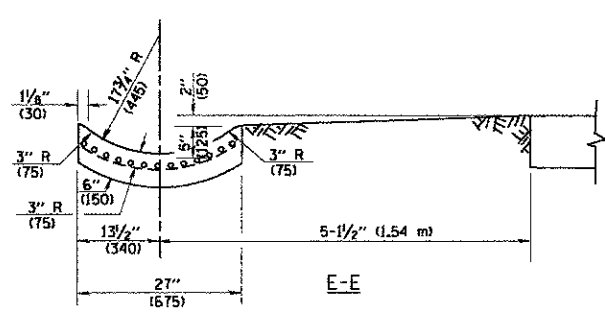
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	141
TG-26			CONTRACT NO. 63515	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



A-A *

* DIMENSIONS OF THE CURB & GUTTER AT SECTION A-A ARE SHOWN ON STATE STANDARD 606001. FOR DETAILS OF OUTLET FOR CONCRETE CURB & GUTTER, TYPE B-6.24 (B-15.60) SEE STATE STANDARD 606006.



GENERAL NOTES

GUTTER OUTLET SHALL BE TIED TO THE PAVEMENT IN ACCORDANCE WITH DETAILS FOR LONGITUDINAL CONSTRUCTION JOINT SHOWN ON STANDARD 420001.

TIE BARS SHALL BE NO. 20 (NO.6) AT 24\"/>

IF THE AVERAGE GRADE OF PAVEMENT FOR THE DISTANCE FROM SECTION A-A TO D-D EXCEEDS 2%, THIS DISTANCE SHALL BE INCREASED 6' (1.8 m) FOR EACH 1% INCREASE IN GRADE.

QUANTITIES

FOR SECTION A-A TO E-E AND CURTAIN WALL =
 1.25 CU. YDS. (0.96 m³) CLASS SI CONCRETE (OUTLET) FOR 9\"/>

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

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA.	TO STA.
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F.A.U. RTE.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	142
BD600-01 (BD-03)		CONTRACT NO. 63515		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

ROUTE MARKERS

FOR U.S. ROUTES
M1-40-2424

FOR ILLINOIS ROUTES
M1-50-2424

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

ARROWS SIGNS

M5-1L-2115

M5-1R-2115

M6-1-2115

M6-3-2115

CARDINAL DIRECTION & DETOUR SIGNS

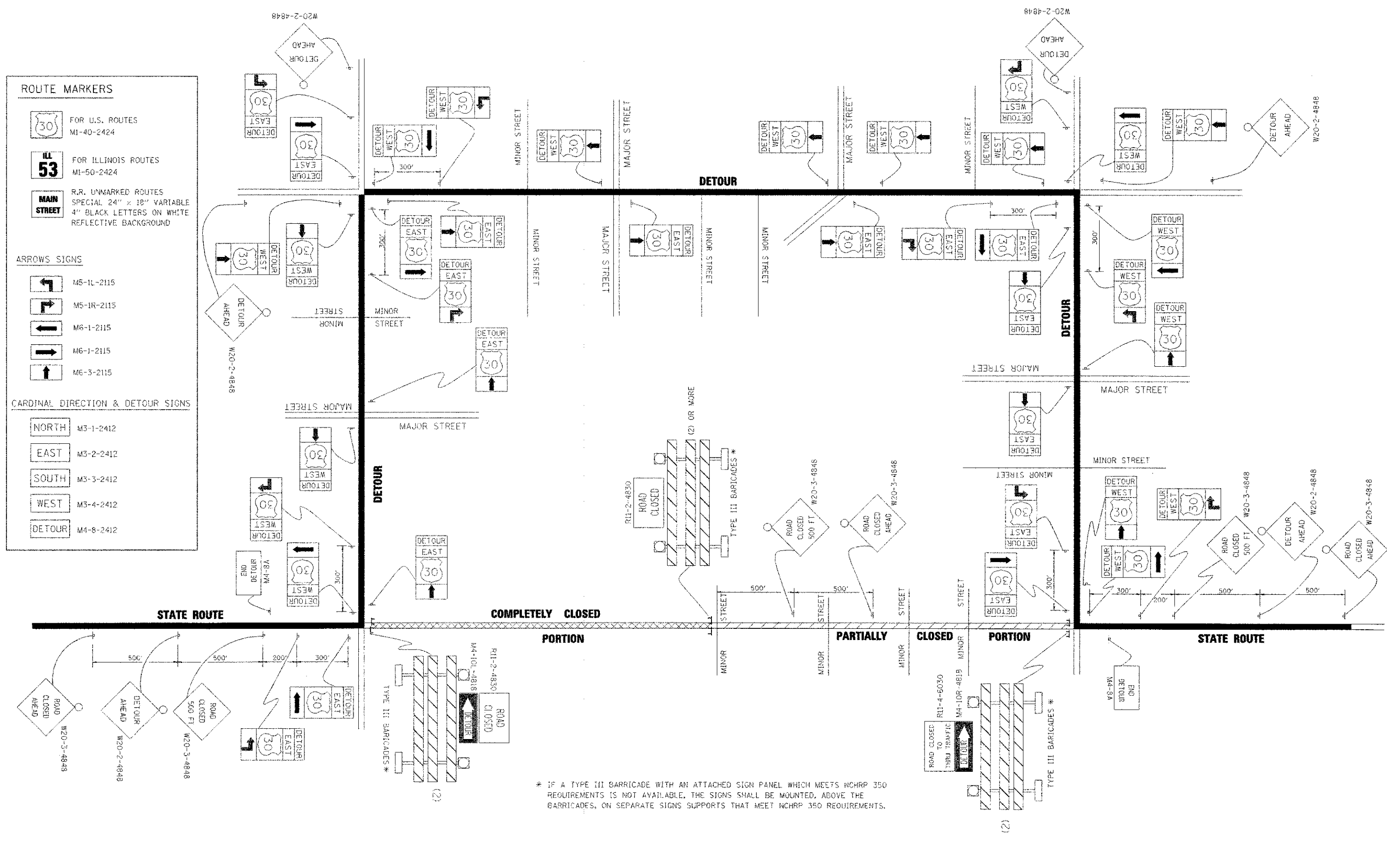
NORTH M3-1-2412

EAST M3-2-2412

SOUTH M3-3-2412

WEST M3-4-2412

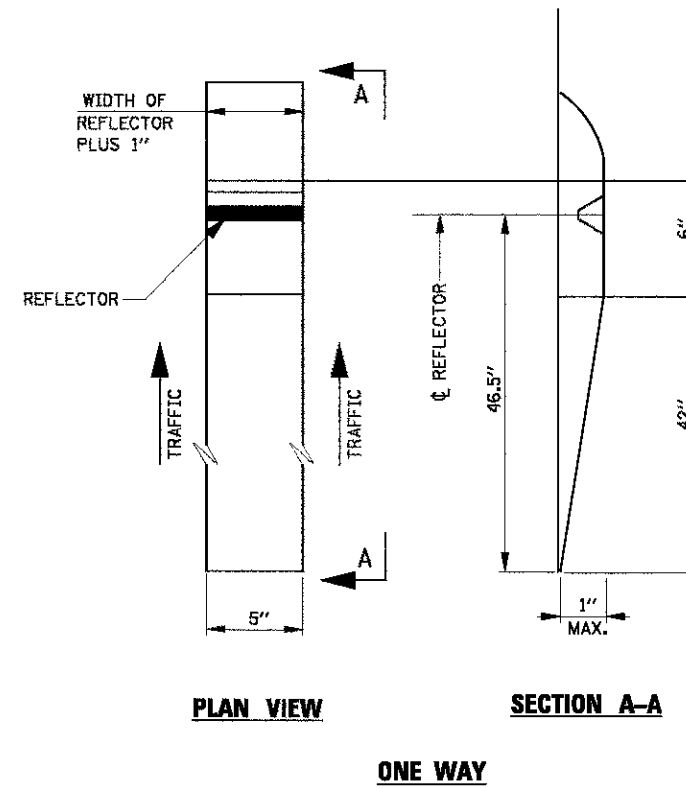
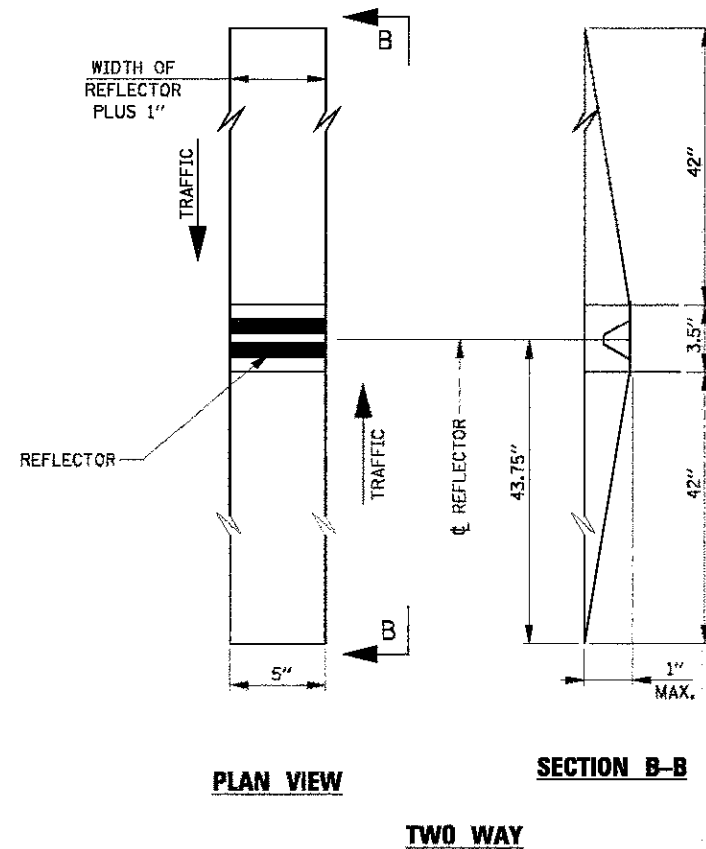
DETOUR M4-8-2412



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

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CLIENT:	DATE PLOTTED:	DATE NAME:	PLT DRIVER:	PLT DATE:	REVISIONS:	SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	168	05-00314-00-WR	MCHENRY	187	143	
										TC-21		CONTRACT NO. 63515		
										REG. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



RECESSED REFLECTIVE MARKERS

INSTALLATION NOTES:

1. SAWCUT IN DIMENSIONS SHOWN.
2. SAWCUT AREAS TO BE DRY AND FREE OF MATERIAL THAT ADVERSELY AFFECTS THE ADHESIVE BAND.
3. INSTALL THE REFLECTOR WITH AN APPROVED TWO-COMPONENT EPOXY ADHESIVE. EPOXY SHOULD NOT OBSCURE OR BLOCK THE LENS.
4. INSTALL TOP OF REFLECTOR $\frac{1}{2}$ TO $\frac{1}{4}$ INCH BELOW THE PAVEMENT SURFACE.
5. REFLECTOR SHALL BE 3M SERIES 290, OR AN APPROVED EQUAL.

GENERAL NOTES:

1. INSTALLATION SHALL CONFORM TO IDOT HIGHWAY STANDARD 781001-02 (OR LATEST) FOR MARKER PLACEMENT.
2. IDOT STANDARD 781001-02 SHALL BE MODIFIED TO REFLECT IN RECESSED PAVEMENT MARKERS INSTEAD OF RAISED PAVEMENT MARKERS.

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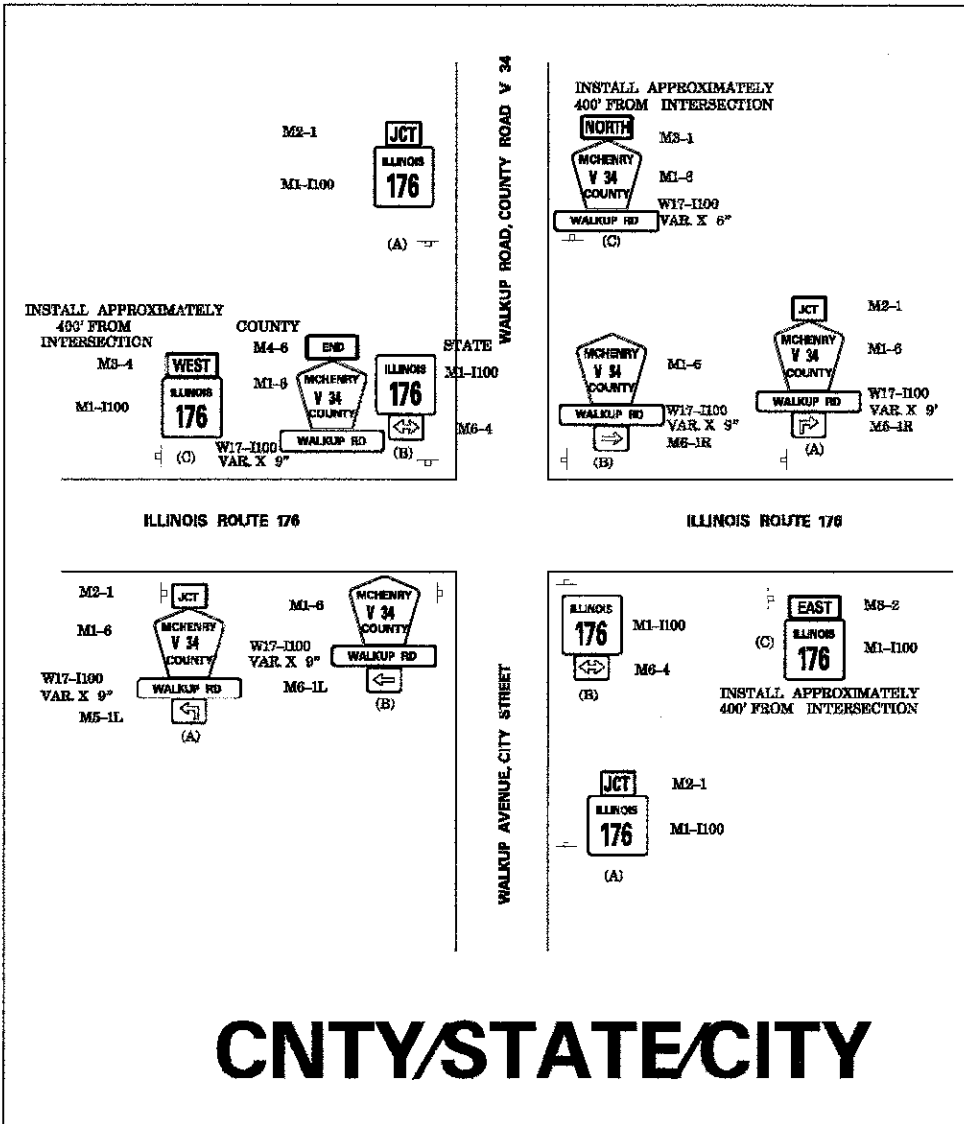
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**McHENRY COUNTY
DIVISION OF TRANSPORTATION**

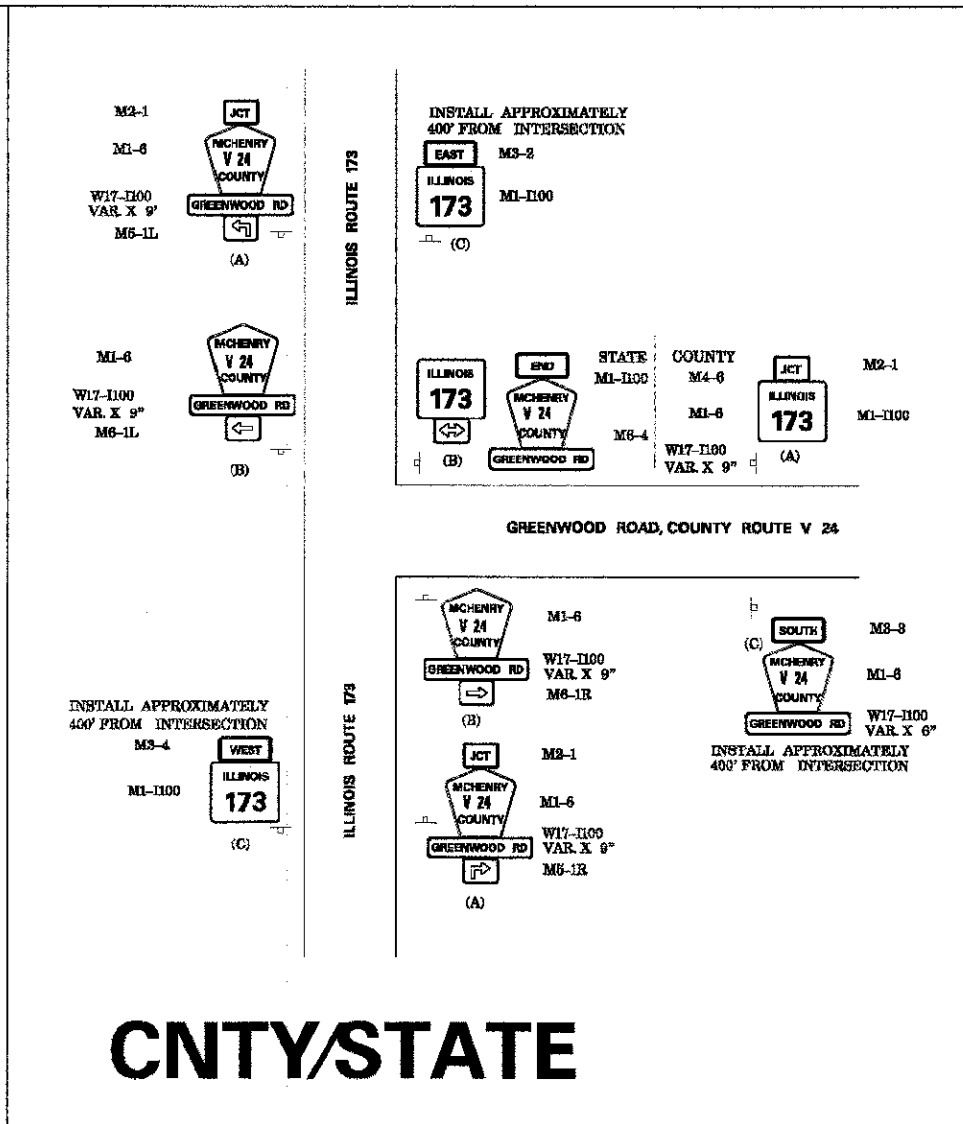
RECESSED PAVEMENT MARKER DETAIL

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

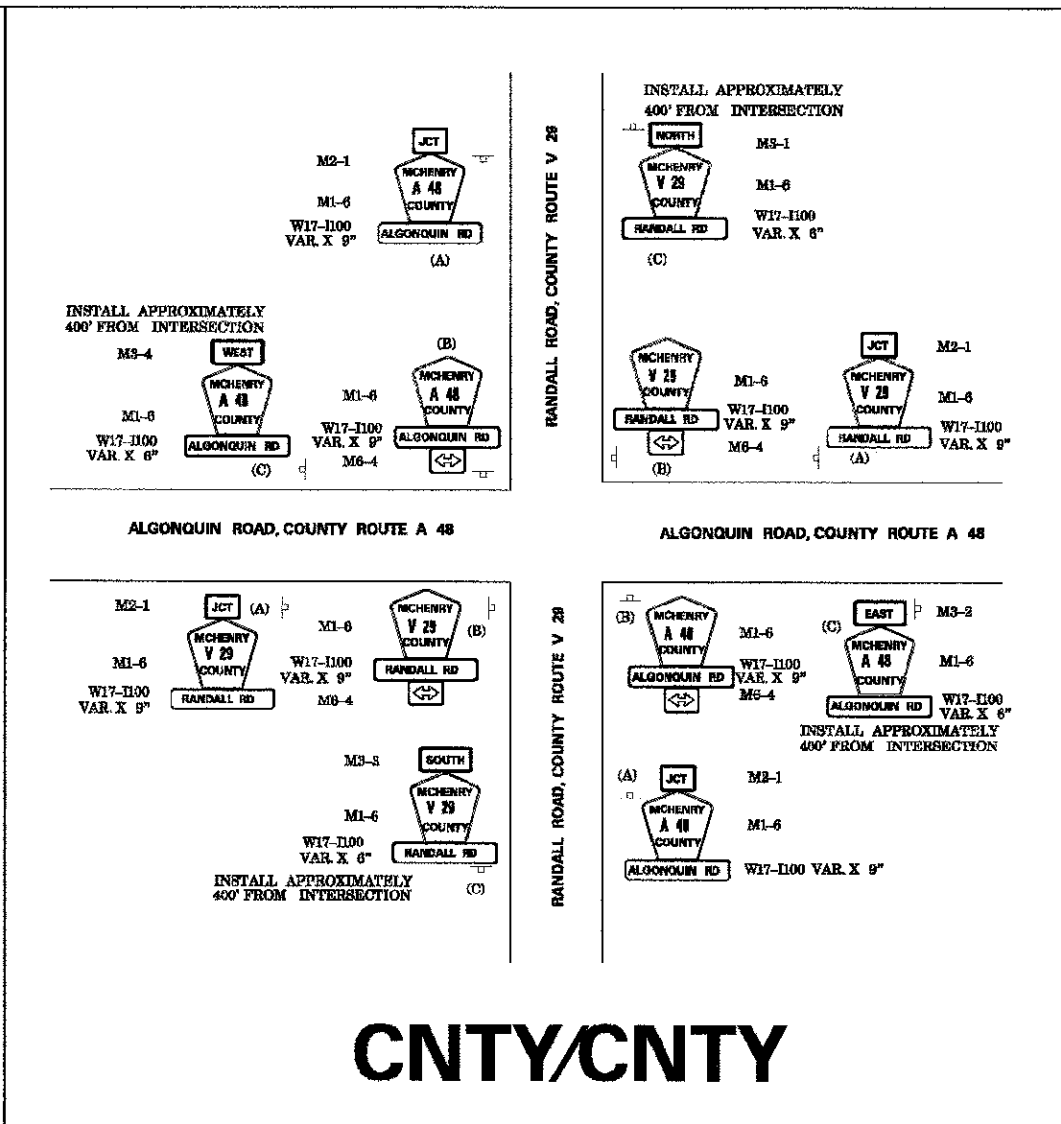
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168	05-00314-00-WR	MCHEMRY	187	145
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 63515	



CNTY/STATE/CITY



CNTY/STATE



CNTY/CNTY

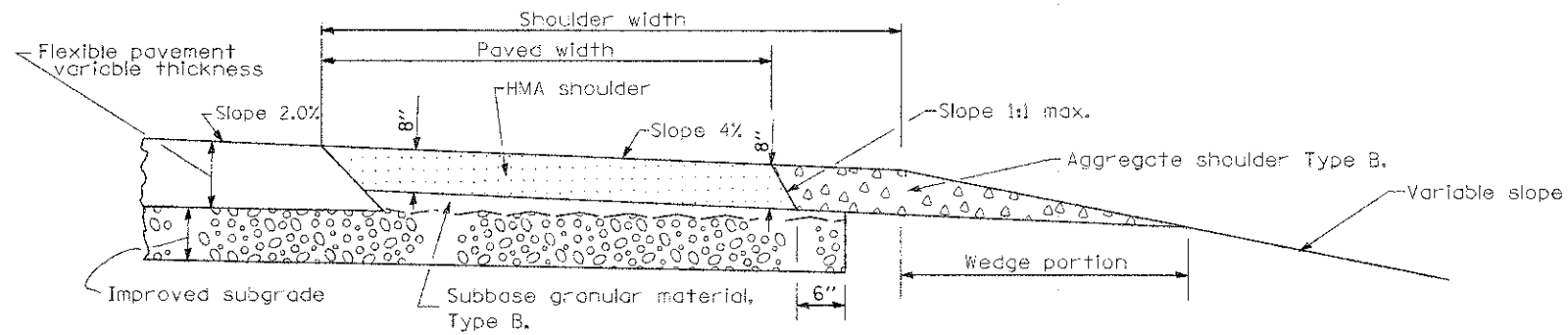
JUNCTION SIGN LOCATION (A):
 IN URBAN AREAS, THE JUNCTION SIGN SHALL BE INSTALLED IN THE BLOCK PRECEDING THE INTERSECTION.
 IN RURAL AREAS, THE JUNCTION SIGN SHALL BE INSTALLED AT LEAST 400 FEET IN ADVANCE OF THE INTERSECTION.

CONFIRMATION SIGN LOCATIONS (C):
 CONFIRMATION SIGN ASSEMBLIES SHALL BE INSTALLED APPROXIMATELY 400 FEET FROM THE INTERSECTION.

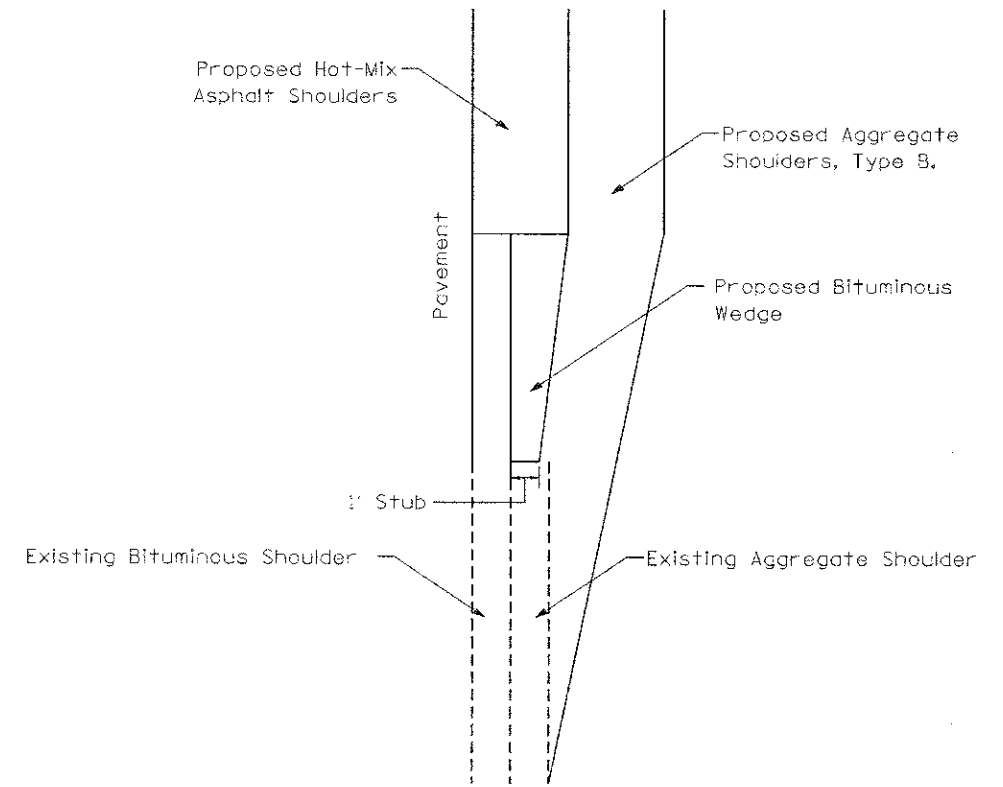
SIGN TYPE	SIGN CODE	SIGN COLOR	SIGN SIZE	LEGENDSYMBOL
STATE RTE. MARKER	M1-1100	BLACK ON WHITE	24" X 24"	ILLINOIS "XX"
COUNTY RTE. MARKER	M1-6	YELLOW ON BLUE	24" X 24"	MCHENRY "XXX" COUNTY
JUNCTION (STATE RTE.)	M2-1	BLACK ON WHITE	21" X 15"	JUNCTION
JUNCTION (CTY. RTE.)	M2-1	YELLOW ON BLUE	21" X 15"	JUNCTION
DIRECTION (STATE RTE.)	M3-1	BLACK ON WHITE	24" X 12"	NORTH
DIRECTION (STATE RTE.)	M3-2	BLACK ON WHITE	24" X 12"	EAST
DIRECTION (STATE RTE.)	M3-3	BLACK ON WHITE	24" X 12"	SOUTH
DIRECTION (STATE RTE.)	M3-4	BLACK ON WHITE	24" X 12"	WEST
DIRECTION (CTY. RTE.)	M3-1	YELLOW ON BLUE	24" X 12"	NORTH
DIRECTION (CTY. RTE.)	M3-2	YELLOW ON BLUE	24" X 12"	EAST
DIRECTION (CTY. RTE.)	M3-3	YELLOW ON BLUE	24" X 12"	SOUTH
DIRECTION (CTY. RTE.)	M3-4	YELLOW ON BLUE	24" X 12"	WEST
END	M4-6	YELLOW ON BLUE	24" X 12"	END
BEGIN	M4-11	YELLOW ON BLUE	24" X 12"	BEGIN
ADVANCE ARROW	M5-1L	YELLOW ON BLUE	15" X 21"	ADV. LEFT ARROW
ADVANCE ARROW	M5-1R	YELLOW ON BLUE	15" X 21"	ADV. RIGHT ARROW
ARROW	M6-1L	YELLOW ON BLUE	15" X 21"	LEFT ARROW
ARROW	M6-1R	YELLOW ON BLUE	15" X 21"	RIGHT ARROW
ARROW (STATE RTE.)	M6-4	BLACK ON WHITE	15" X 21"	DOUBLE ARROW
ARROW (CTY. RTE.)	M6-4	YELLOW ON BLUE	15" X 21"	DOUBLE ARROW
ROAD NAME (STATE RTE.)	W17-1100	BLACK ON WHITE	VARIABLE X 9"	FOR SIGNS A & B
ROAD NAME (STATE RTE.)	W17-1100	BLACK ON WHITE	VARIABLE X 6"	FOR SIGN C
ROAD NAME (CTY. RTE.)	W17-1100	YELLOW ON BLUE	VARIABLE X 9"	FOR SIGNS A & B
ROAD NAME (CTY. RTE.)	W17-1100	YELLOW ON BLUE	VARIABLE X 6"	FOR SIGN C

COMPANY NAME: 12/14/2012 6:56:25 PM
 PROJECT CONTACT: 09022-061-18-001
 CLIENT: 09022-061-18-001
 DATE PLOTTED: 09022-061-18-001
 FILE NAME: pdt.dwg, no-rev, dwt, cty
 PLOT DRIVER: s:\cadd\p-Trans.tbl
 PEN TABLE:

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#FILE#		DRAWN -	REVISED -					168	05-00314-00-WR	MCHENRY	187	146
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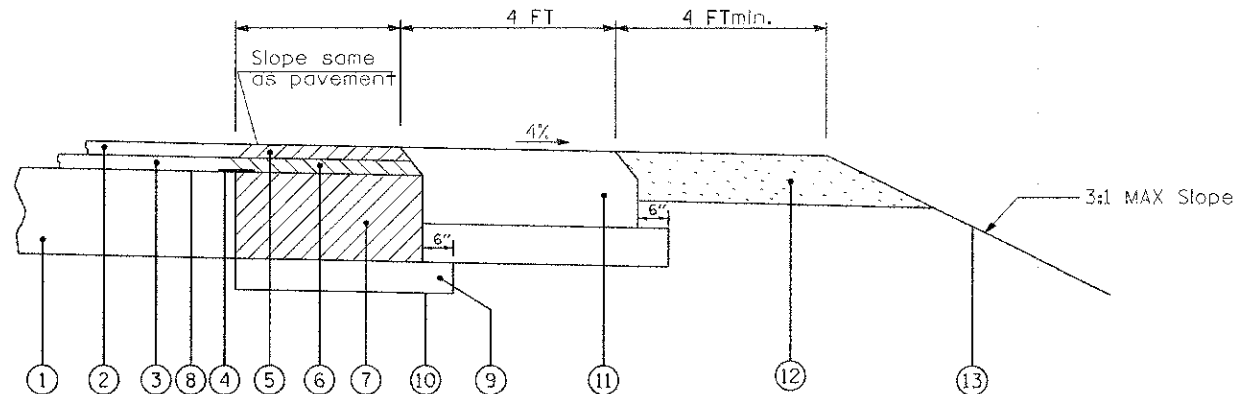


SHOULDER FOR TANGENT PAVEMENT W/ WEDGE

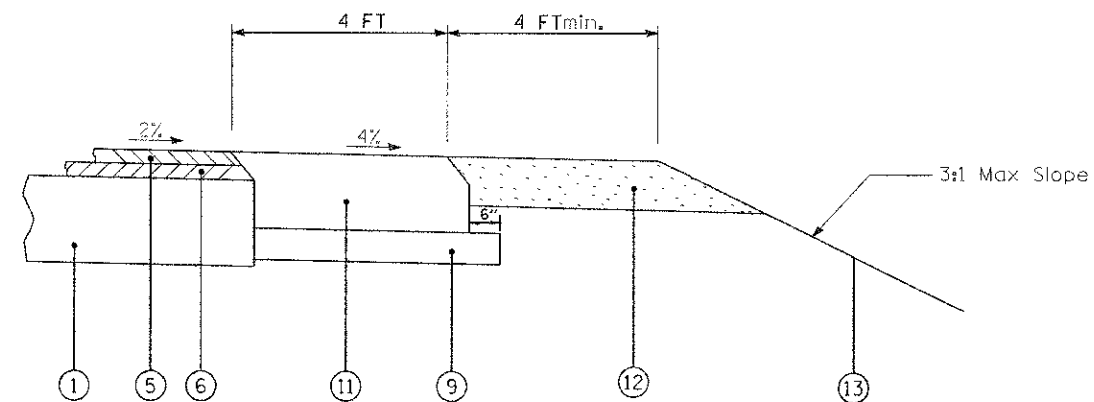


**SHOULDER TAPER DETAIL
PLAN VIEW**

NOTE:
TAPER THE HOT-MIX ASPHALT SHOULDERS DOWN TO THE EXISTING AGGREGATE SHOULDER WITH 1' STUB.
(TAPER RATE SHALL BE 1:3SPEED)



**HMA AND AGGREGATE
SHOULDERS WITH WIDENING & RESURFACING**



**HMA AND AGGREGATE SHOULDERS
WITH RESURFACING**

LEGEND

- ① EXISTING PAVEMENT
- ② EXISTING HMA SURFACE COURSE
- ③ EXISTING HMA BINDER COURSE
- ④ SAWCUT EXISTING PAVEMENT & INSTALL 24" WIDE STRIP REFLECTIVE CRACK CONTROL TREATMENT, TYPE A
- ⑤ PROPOSED HMA SURFACE COURSE, MIX "D", N70, 2"
- ⑥ PROPOSED HMA BINDER COURSE, IL-19, N70, 2 1/4"
- ⑦ PROPOSED HMA BASE COURSE, 9"
- ⑧ PRIME COAT
- ⑨ PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE B, 6"
- ⑩ PROPOSED AGGREGATE SUBGRADE
- ⑪ PROPOSED HMA SHOULDERS, 8"
- ⑫ PROPOSED AGGREGATE SHOULDERS, TYPE B, 6"
- ⑬ PROPOSED TOPSOIL, SEEDING, CL 2A & EROSION CONTROL BLANKET

12/16/2012 2:17:40 PM
C:\Users\jld\Documents\63515-00-01\63515-00-01.dwg
PLOT BY: jld
PEN TABLE:

COMPANY NAME:
PROJECT CONTACT:

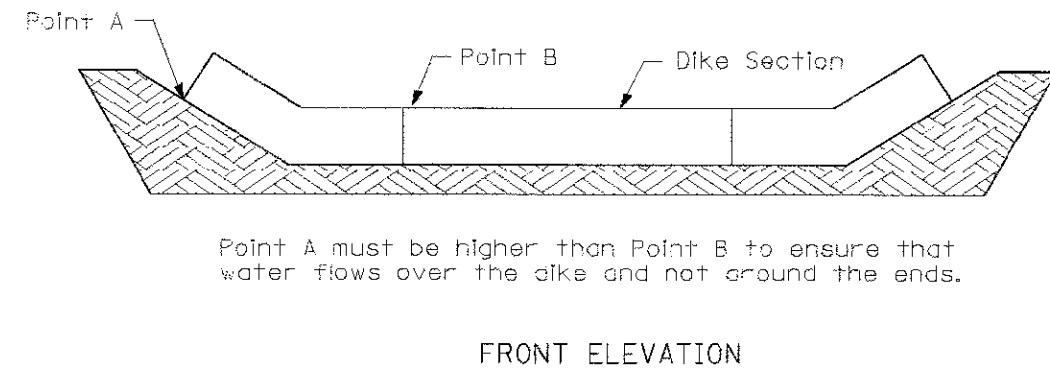
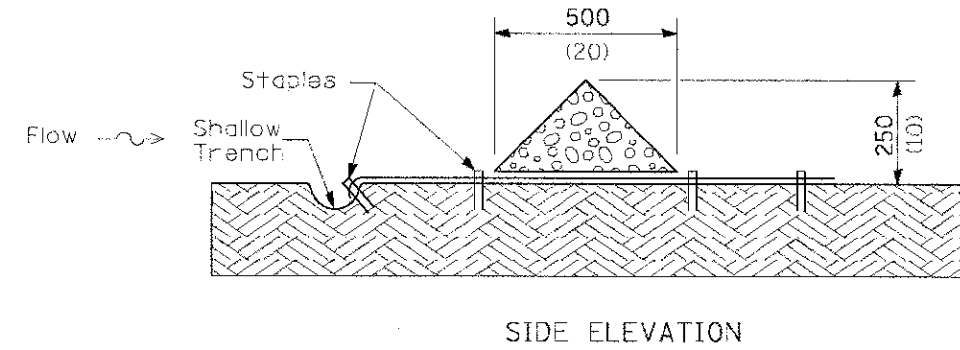
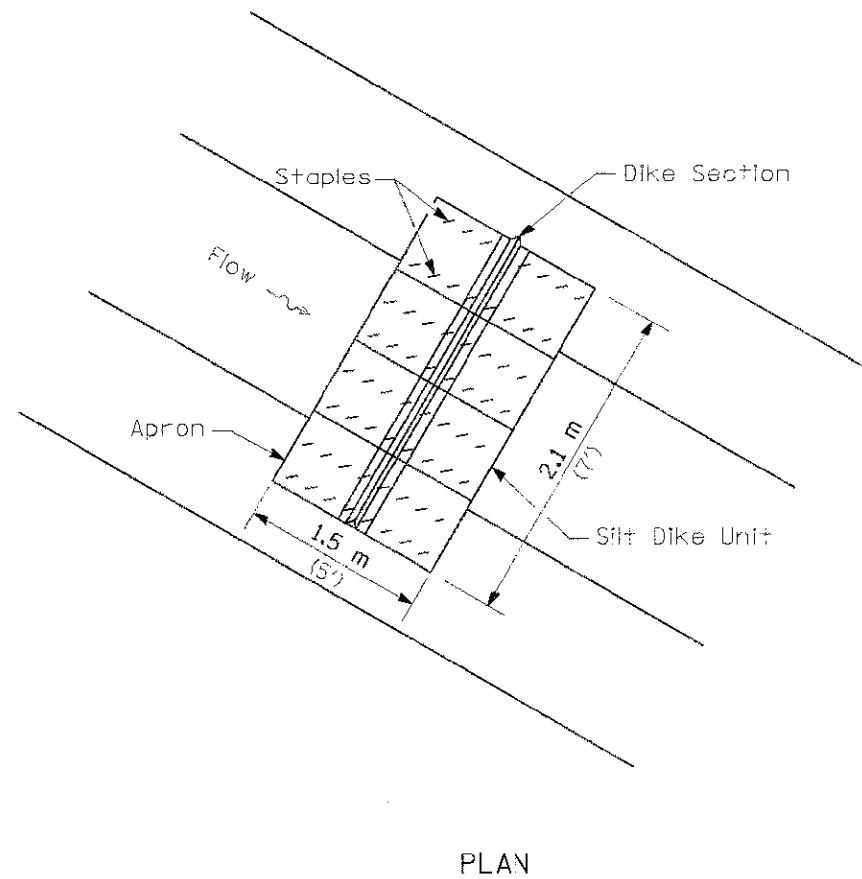
FILE NAME *	USER NAME = cxlee	DESIGNED -	REVISED - 11-5-2010
Y:\Design\Standards & Details\MCDOT\Shoulder-Details.dwg		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

**McHENRY COUNTY
DIVISION OF TRANSPORTATION**

SHOULDER DETAIL

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	McHENRY	187	147
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63515	



URETHANE FOAM/GEOTEXTILE DITCH CHECK

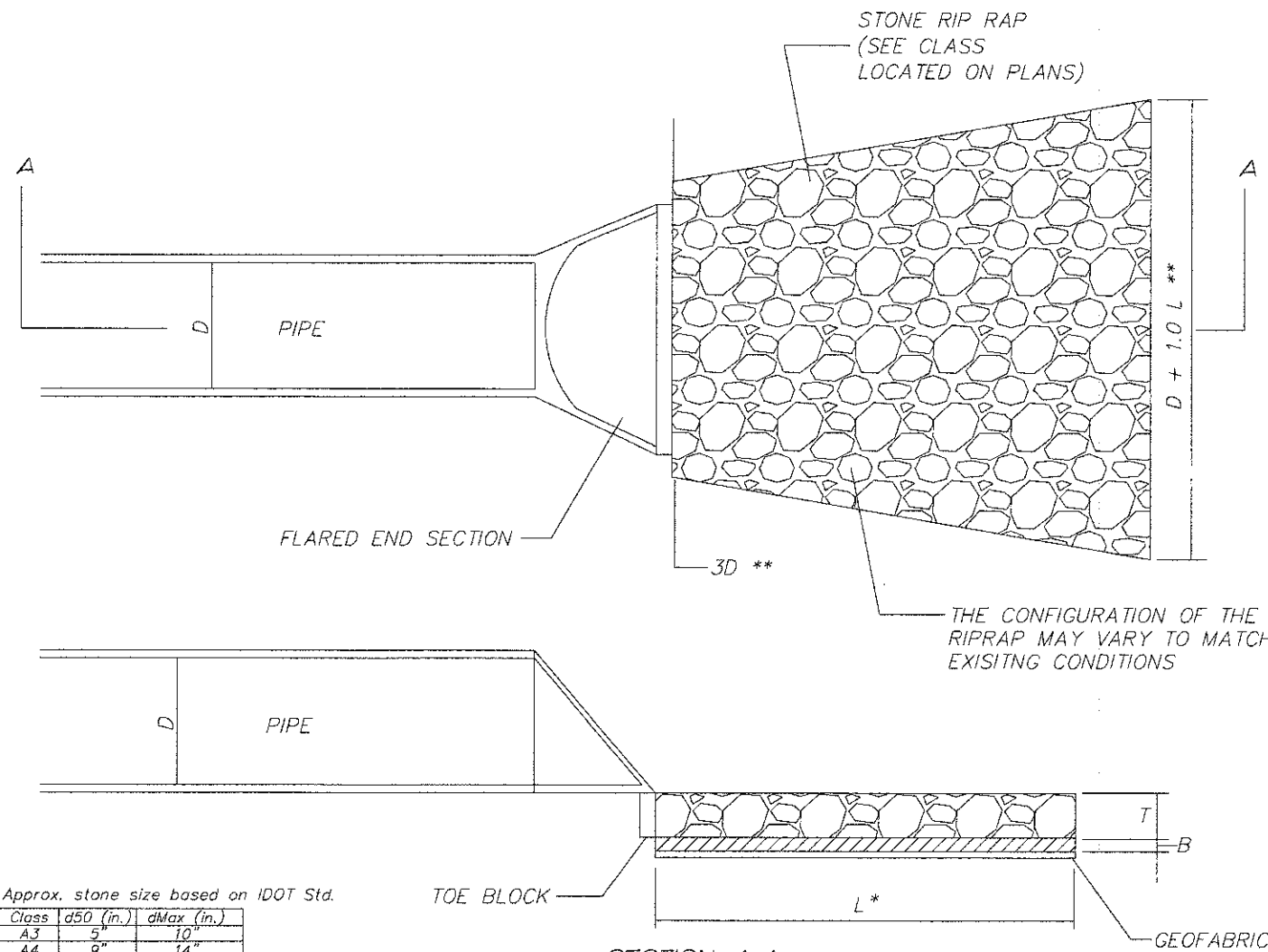
NOTES

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

McHENRY COUNTY
 05-00314-00-WR
 08/22/01-10.dgn
 COMPANY NAME:
 PROJECT CONTACT:
 CLIENT:
 DATE PLOTTED: 12/14/2016 6:02:08 PM
 FILE NAME: 080632-dst-20.dgn
 PLOT DRIVER: pdf_lw_no_level.ctb
 PEN TABLE: standard-trans.tbl

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		DRAWN -	REVISED -					168	05-00314-00-WR	McHENRY	187	148
		CHECKED -	REVISED -		SCALE: NTS	SHEET NO.	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 63515	
		PLOT DATE = #DATE#	REVISED -								FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

STONE RIP RAP DETAIL
FOR ANY TAILWATER CONDITION



Approx. stone size based on IDOT Std.

Class	d50 (in.)	dMax (in.)
A3	5"	10"
A4	9"	14"
A5	12"	19"
A6	15"	22"

SECTION A-A

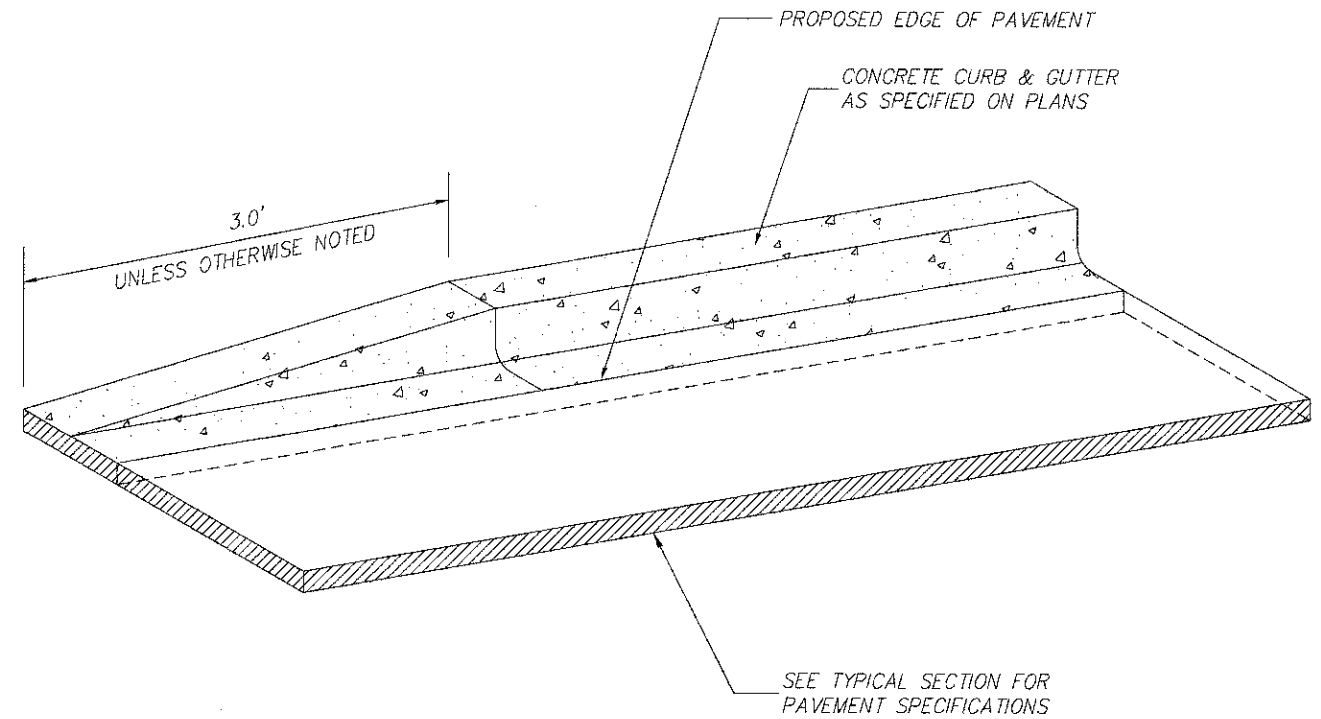
- * WHEN "L" EXTENDS BEYOND BACK OF DITCH, RIPRAP SHALL TERMINATE AT BACK EDGE OF THE DITCH, THE PROPOSED QUANTITY SHALL NOT CHANGE.
- ** NOTE: WHEN OUTLETING TO A DEFINED CHANNEL, WIDTH AND AREA OF APRON SHALL CONFORM TO TOP OF CHANNEL BANK

LOW VELOCITY (<5fps)				
D	T	L	B	-
Pipe Size in.	Rock Class (Min. Thickness)	Length of Apron	Bedding Class (Thickness)	Quantity SY. **
10"	A2 (6")	10'	-	8
12"	A3 (15")	12'	-	11
15"	A3 (15")	13'	-	13
18"	A3 (15")	14'	-	16
21"	A3 (15")	15'	-	18
24"	A3 (15")	16'	-	21
27"	A3 (15")	17'	-	25
30"	A3 (15")	18'	-	28
33"	A4 (16")	19'	A1 (6")	32
36"	A4 (16")	20'	A1 (6")	36
42"	A4 (16")	22'	A1 (6")	44
48"	A4 (16")	24'	A1 (6")	53

Note See current Illinois Department of Transportation Standard Specification to verify rock size and bedding thickness.

RIPRAP

BULLNOSE CURB DETAIL



BULLNOSE

COMPANY NAME: HRGreen
PROJECT CONTACT: HRGreen.com
DATE PLOTTED: 12/14/2012 6:21:00 PM
FILE NAME: 080622-001-21.dgn
PLOT DRIVER: pdf_low_res_levelplotter
PEN TABLE: standard-trans.tbl



USER NAME = sporne1
FILE NAME = 080622-001-21.dgn
PLOT SCALE =
PLOT DATE = 12/14/2012

DESIGNED -
DRAWN -
CHECKED -
DATE - 12/14/12

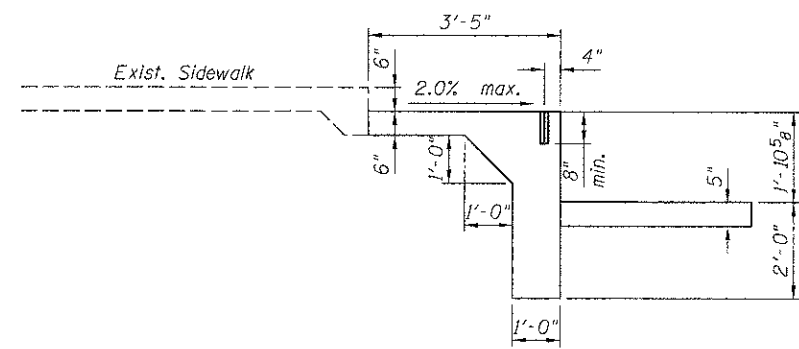
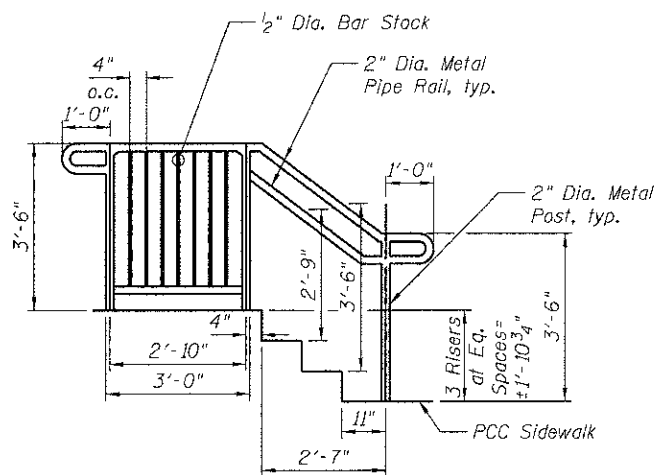
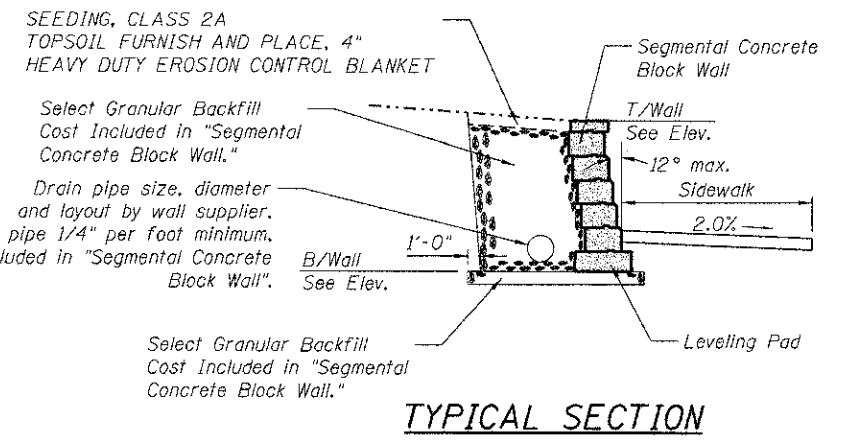
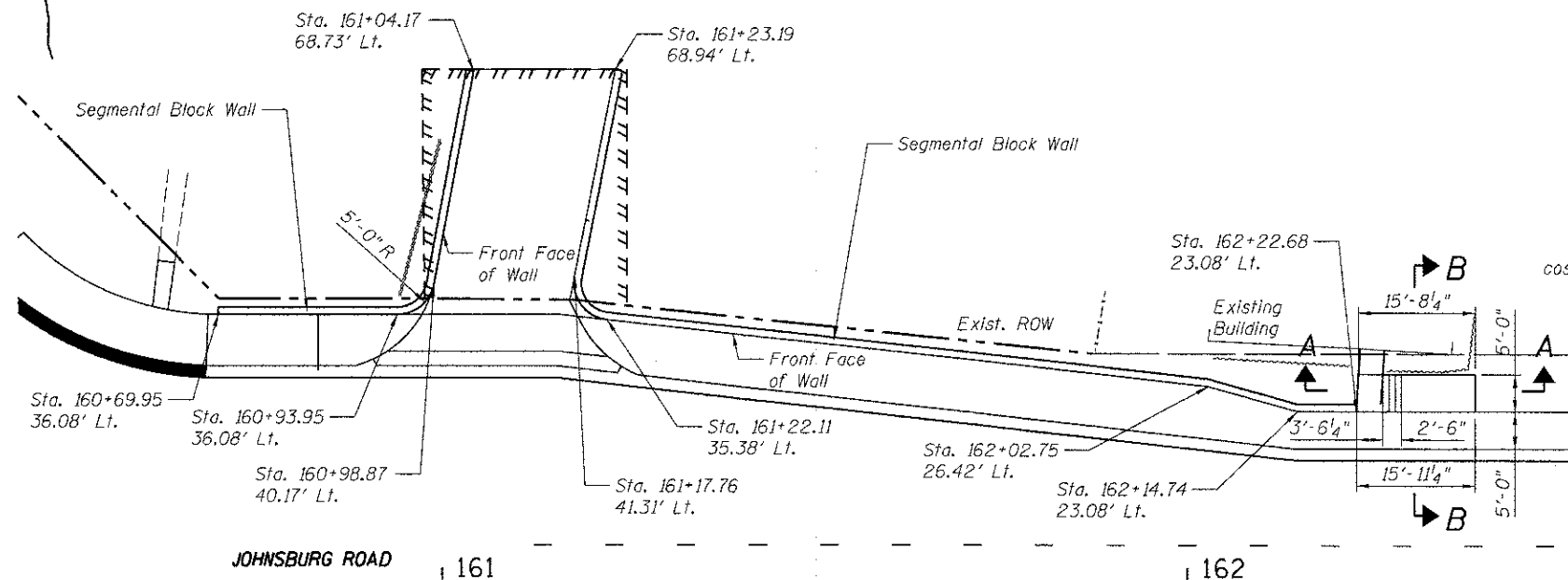
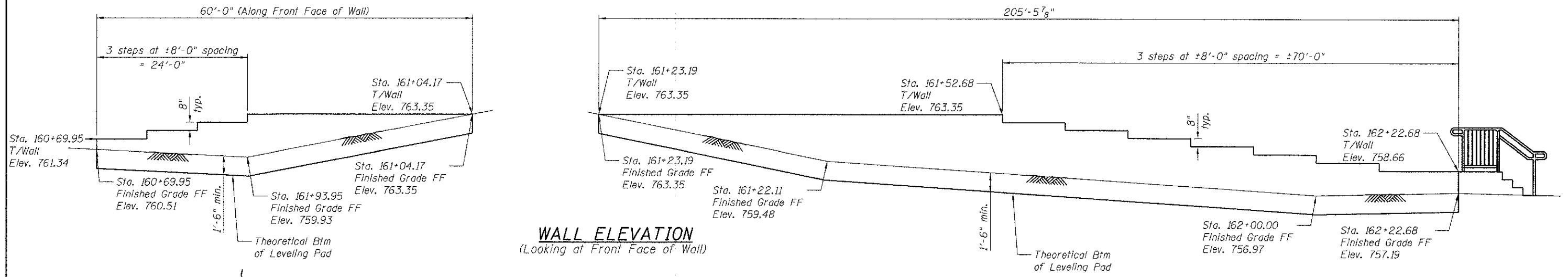
REVISED -
REVISED -
REVISED -
REVISED -

MCHENRY COUNTY
DIVISION OF TRANSPORTATION

RIPRAP AND BULLNOSE CURB DETAILS

SCALE: SHEET NO. 21 OF 22 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	149
CONTRACT NO. 63515				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



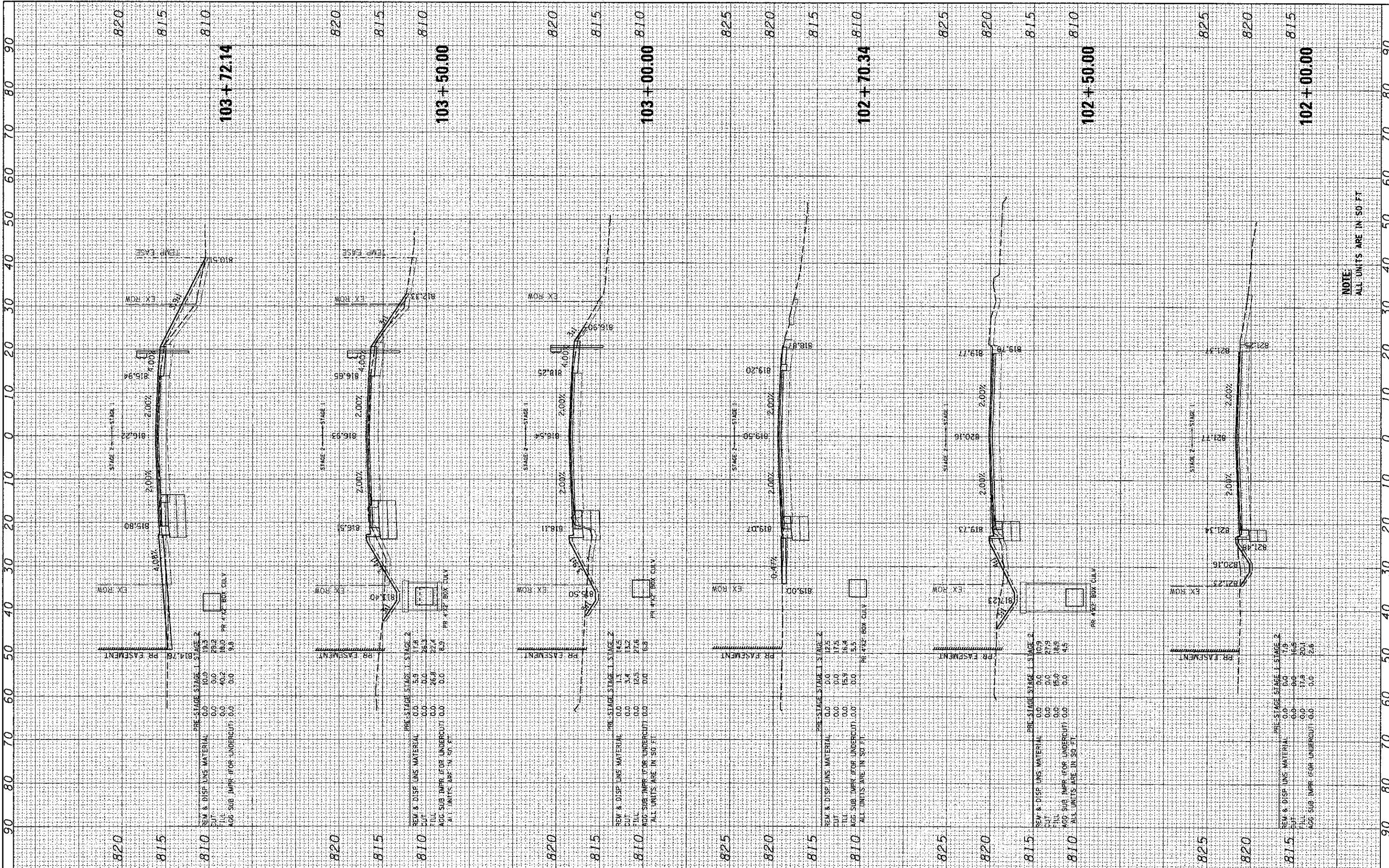
RETAINING WALLS
JOHNSBURG ROAD
SECTION NO. 05-00314-00-WR
MCHENRY COUNTY

COMPANY NAME: HRGreen.com
PROJECT CONTACT: jettone
DATE PLOTTED: 12/19/2012 4:16:21 PM
FILE NAME: 080622-det-22.dgn
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PEN TABLE: Standard.ctb

	USER NAME = jettone FILE NAME = 080622-det-22.dgn PLOT SCALE = PLOT DATE = 12/19/2012	DESIGNED - DRAWN - CHECKED - DATE = 12/19/12	REVISED - REVISED - REVISED - REVISED -	MCHENRY COUNTY DIVISION OF TRANSPORTATION	RETAINING WALL DETAIL		F.A.U. RTE. 168 SECTION 05-00314-00-WR COUNTY MCHENRY CONTRACT NO. 63515	TOTAL SHEETS 187 SHEET NO. 150
	SCALE: SHEET NO. 22 OF 22 SHEETS STA. TO STA.				FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			

COMPANY NAME:	12/19/2012 4:10:45 PM	BY	DATE
PROJECT CONTACT:	08052-PRJ03PWS14-001	SURVEYED	
CLIENT:	08052-PRJ03PWS14-001	NOTE BOOK	
DATE PLOTTED:	08052-PRJ03PWS14-001	TEMP EASE	
FILE NAME:	08052-PRJ03PWS14-001	AREAS CHECKED	
PLOT DRIVER:	08052-PRJ03PWS14-001	NO.	
PEN TABLE:	08052-PRJ03PWS14-001		

05-0034-00-00
08052-PRJ03PWS14-001



NOTE:
ALL UNITS ARE IN SQ. FT.

ORIGINAL SURVEY	DATE
NOTE BOOK	
AREAS CHECKED	
NO.	

DESIGNED - JRW	REVISOR -
DRAWN - SMP	REVISOR -
CHECKED - TH	REVISOR -
DATE - 12/19/12	REVISOR -

USER NAME = jastona
PLOT SCALE = 1"=10'
PLOT DATE = 12/19/2012

HRGreen.com	Illinois Professional Design Firm	# 194-001322
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**MCHENRY COUNTY
DIVISION OF TRANSPORTATION**

**CROSS SECTIONS
JOHNSBURG ROAD**

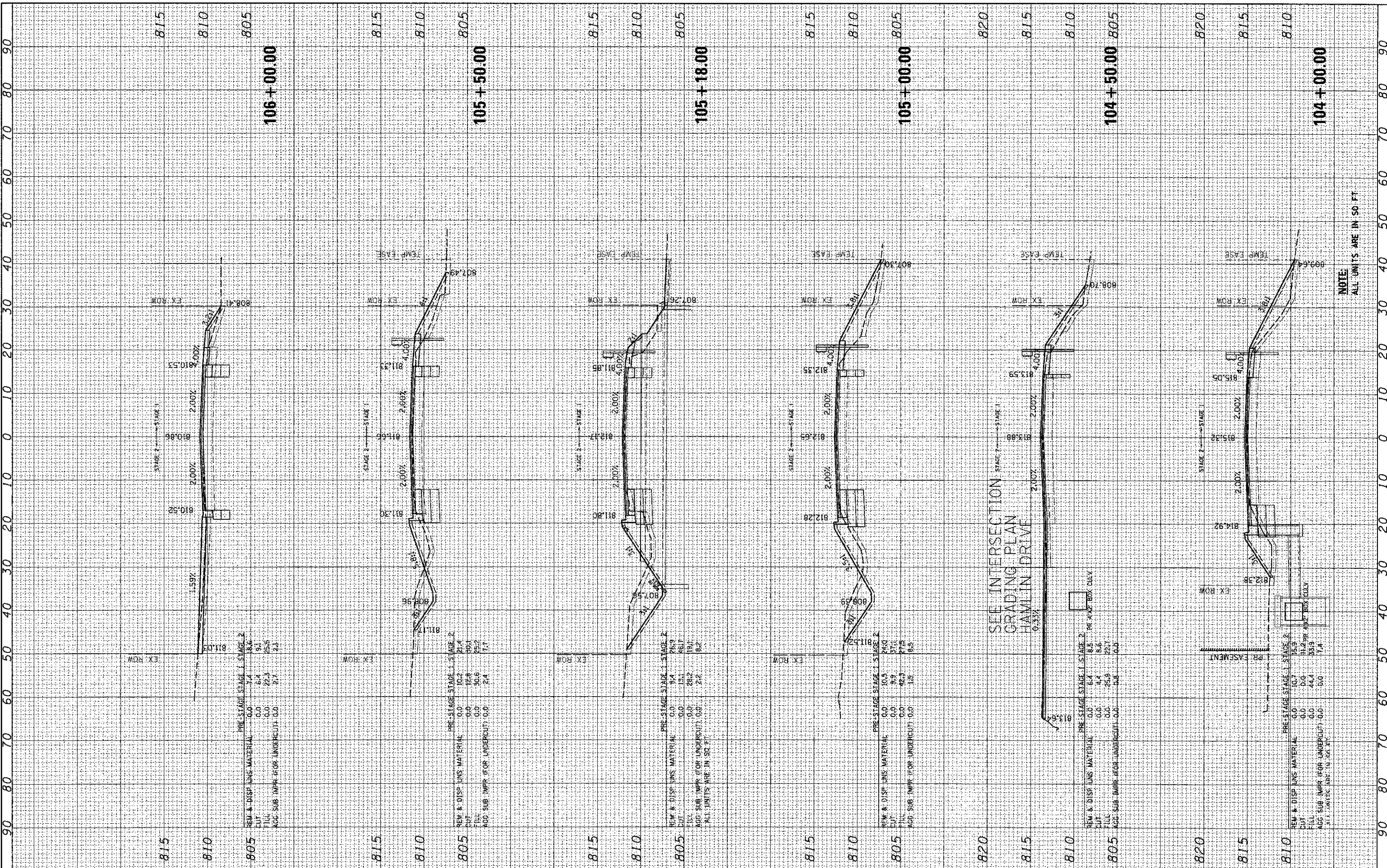
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	151
CONTRACT NO. 63515			ILLINOIS FED. AID PROJECT	

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

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

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: HRGreen
 CLIENT: HRGreen
 DATE PLOTTED: 12/19/2012 4:05:52 PM
 DATE PRINTED: 06/06/2013 10:58:43 AM
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PRE-STAGE STAGE 1 STAGE 2

REM & DISP LNS MATERIAL	0.0	7.4	8.6
CUT	0.0	6.4	9.1
FILL	0.0	22.3	25.5
AGG SUB IMPR FOR UNDERCUT	0.0	2.1	2.1

PRE-STAGE STAGE 1 STAGE 2

REM & DISP LNS MATERIAL	0.0	10.2	21.4
CUT	0.0	12.8	30.1
FILL	0.0	30.6	25.2
AGG SUB IMPR FOR UNDERCUT	0.0	2.4	7.7

PRE-STAGE STAGE 1 STAGE 2

REM & DISP LNS MATERIAL	0.0	9.4	16.9
CUT	0.0	15.1	16.1
FILL	0.0	28.2	19.1
AGG SUB IMPR FOR UNDERCUT	0.0	2.2	8.2

ALL UNITS ARE IN SQ FT

PRE-STAGE STAGE 1 STAGE 2

REM & DISP LNS MATERIAL	0.0	0.5	24.0
CUT	0.0	9.9	57.4
FILL	0.0	42.3	27.5
AGG SUB IMPR FOR UNDERCUT	0.0	1.5	8.5

PRE-STAGE STAGE 1 STAGE 2

REM & DISP LNS MATERIAL	0.0	6.4	8.5
CUT	0.0	4.4	8.6
FILL	0.0	25.8	22.7
AGG SUB IMPR FOR UNDERCUT	0.0	0.8	0.0

PRE-STAGE STAGE 1 STAGE 2

REM & DISP LNS MATERIAL	0.0	0.7	15.9
CUT	0.0	0.0	0.0
FILL	0.0	17.2	53.9
AGG SUB IMPR FOR UNDERCUT	0.0	0.0	7.4

ALL UNITS ARE IN SQ FT

NOTE:
 ALL UNITS ARE IN SQ FT

USER NAME	:= jstana
DESIGNED	- JRM
DRAWN	- SMP
CHECKED	- TH
DATE	- 12/19/2012
PLLOT SCALE	- 1"=10'
PLLOT DATE	- 12/19/2012

REVISOR	-
REVISION	-
REVISOR	-
REVISION	-

DESIGNED	- JRM
DRAWN	- SMP
CHECKED	- TH
DATE	- 12/19/2012

**MCHENRY COUNTY
 DIVISION OF TRANSPORTATION**

**CROSS SECTIONS
 JOHNSBURG ROAD**

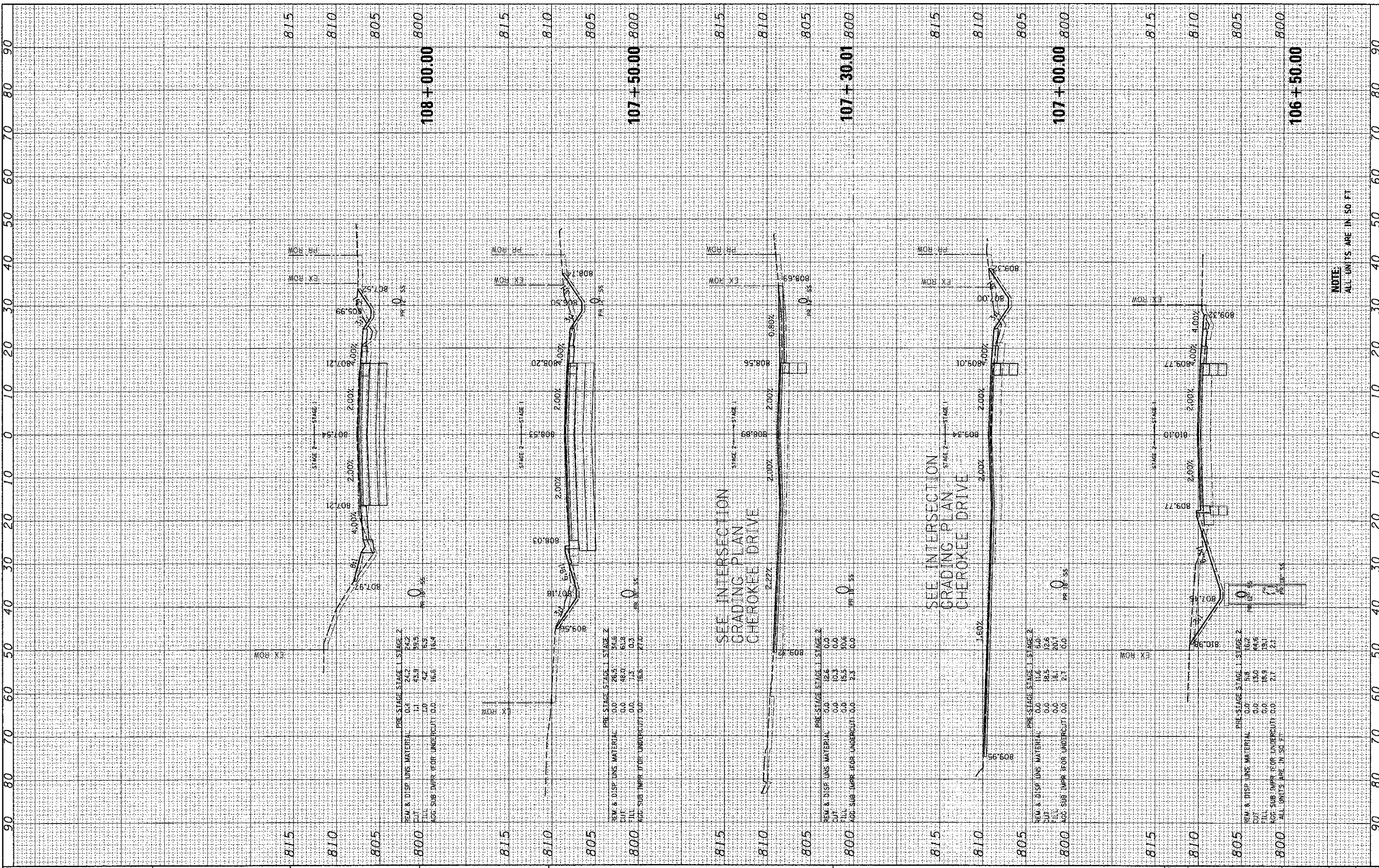
SCALE: 1"=10' SHEET NO. 2 OF 32 SHEETS STA. 104+00.00 TO STA. 106+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	152
CONTRACT NO. 63515			ILLINOIS FED. AID PROJECT	

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

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

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: J. J. J.
 CLIENT: MCHENRY COUNTY
 DATE PLOTTED: 12/19/2012 4:05:58 PM
 FILE NAME: 05-00314-00-WR.dwg
 PLOT DRIVER: pdr_bv.nc_levelplotcr7g
 PLOT TABLE: sctm02-77.dwt



PRE-STAGE STAGE 1 STAGE 2

REM & DISP LNS MATERIAL	0.0	24.2	24.2
CUT	1.1	43.9	56.5
FILL	0.0	4.2	15.3
AGG SUB IMPR (FOR UNDERCUT)	0.0	15.5	15.4

PRE-STAGE STAGE 1 STAGE 2

REM & DISP LNS MATERIAL	0.0	26.5	26.5
CUT	0.0	48.0	61.8
FILL	0.0	1.2	10.3
AGG SUB IMPR (FOR UNDERCUT)	0.0	15.6	27.0

PRE-STAGE STAGE 1 STAGE 2

REM & DISP LNS MATERIAL	0.0	12.6	0.0
CUT	0.0	10.3	0.0
FILL	0.0	15.5	30.6
AGG SUB IMPR (FOR UNDERCUT)	0.0	2.3	0.0

PRE-STAGE STAGE 1 STAGE 2

REM & DISP LNS MATERIAL	0.0	11.6	5.0
CUT	0.0	18.5	12.6
FILL	0.0	18.1	20.7
AGG SUB IMPR (FOR UNDERCUT)	0.0	2.1	0.0

PRE-STAGE STAGE 1 STAGE 2

REM & DISP LNS MATERIAL	0.0	5.8	16.2
CUT	0.0	13.0	44.6
FILL	0.0	18.9	19.1
AGG SUB IMPR (FOR UNDERCUT)	0.0	2.1	2.1



USER NAME	= jattana
DESIGNED	JRM
DRAWN	SMP
CHECKED	TH
DATE	12/19/12

REVISED	-
REVISED	-
REVISED	-
REVISED	-

MCHENRY COUNTY
 DIVISION OF TRANSPORTATION

CROSS SECTIONS
 JOHNSBURG ROAD

SCALE: 1"=10' SHEET NO. 3 OF 32 SHEETS STA. 106+50.00 TO STA. 108+00.00

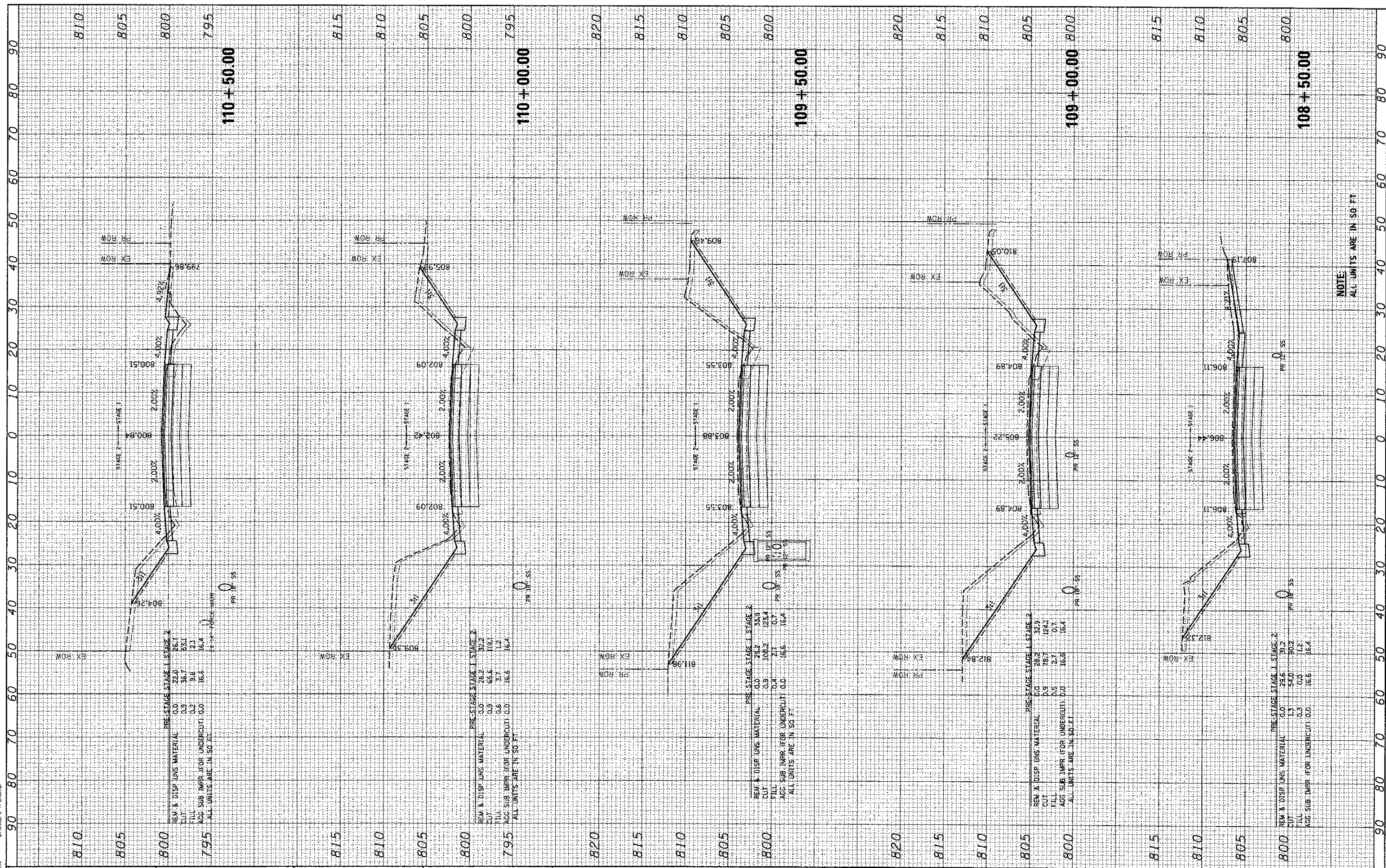
FA RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	153
CONTRACT NO.			63515	
ILLINOIS FED. AID PROJECT				

NOTE:
 ALL UNITS ARE IN 50 FT

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

ORIGINAL SURVEY	BY	DATE
CLIENT		
FILE NAME		
PLOT DRIVER		
PEN TABLE		
AREAS CHECKED		
NO.		

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: Illinois Professional Design Firm # 184-001322
 DATE PLOTTED: 12/19/2012 4:05 PM
 FILE NAME: 08622-PROJ-Sheets.dwg
 PLOT DRIVER: pdf.dwg (level) 10/19/12
 PEN TABLE: standard-tran.tbl



PRE-STAGE STAGE 1 STAGE 2

REM & DISP UNS MATERIAL	0.0	22.0	85.1
CUT	0.3	36.7	85.1
FILL	0.2	9.8	12.1
AGG SUB IMPR (FOR UNDERCUT)	0.0	16.6	16.4
ALL UNITS ARE IN SQ FT			

EX ROW
PR ROW

PRE-STAGE STAGE 1 STAGE 2

REM & DISP UNS MATERIAL	0.0	28.2	92.2
CUT	0.9	65.6	106.1
FILL	0.6	3.7	1.2
AGG SUB IMPR (FOR UNDERCUT)	0.0	16.6	16.4
ALL UNITS ARE IN SQ FT			

EX ROW
PR ROW

PRE-STAGE STAGE 1 STAGE 2

REM & DISP UNS MATERIAL	0.0	24.2	34.9
CUT	0.8	104.2	123.4
FILL	0.4	2.7	0.7
AGG SUB IMPR (FOR UNDERCUT)	0.0	16.6	16.4
ALL UNITS ARE IN SQ FT			

EX ROW
PR ROW

PRE-STAGE STAGE 1 STAGE 2

REM & DISP UNS MATERIAL	0.0	28.2	34.9
CUT	0.9	16.7	124.1
FILL	0.5	2.7	0.7
AGG SUB IMPR (FOR UNDERCUT)	0.0	16.6	16.4
ALL UNITS ARE IN SQ FT			

EX ROW
PR ROW

PRE-STAGE STAGE 1 STAGE 2

REM & DISP UNS MATERIAL	0.0	25.6	31.2
CUT	1.3	54.0	80.2
FILL	0.3	0.0	1.2
AGG SUB IMPR (FOR UNDERCUT)	0.0	16.6	16.4
ALL UNITS ARE IN SQ FT			

EX ROW
PR ROW

HRGreen.com
 Illinois Professional Design Firm
 # 184-001322

USER NAME = jastana
 PLOT SCALE = 1"=10'
 PLOT DATE = 12/19/2012

DESIGNED - JRM
 DRAWN - SMP
 CHECKED - TH
 DATE - 12/19/12

REVISED -
 REVISED -
 REVISED -
 REVISED -

**MCHENRY COUNTY
 DIVISION OF TRANSPORTATION**

**CROSS SECTIONS
 JOHNSBURG ROAD**

SCALE: 1"=10' SHEET NO. 4 OF 32 SHEETS STA. 108+50.00 TO STA. 110+50.00

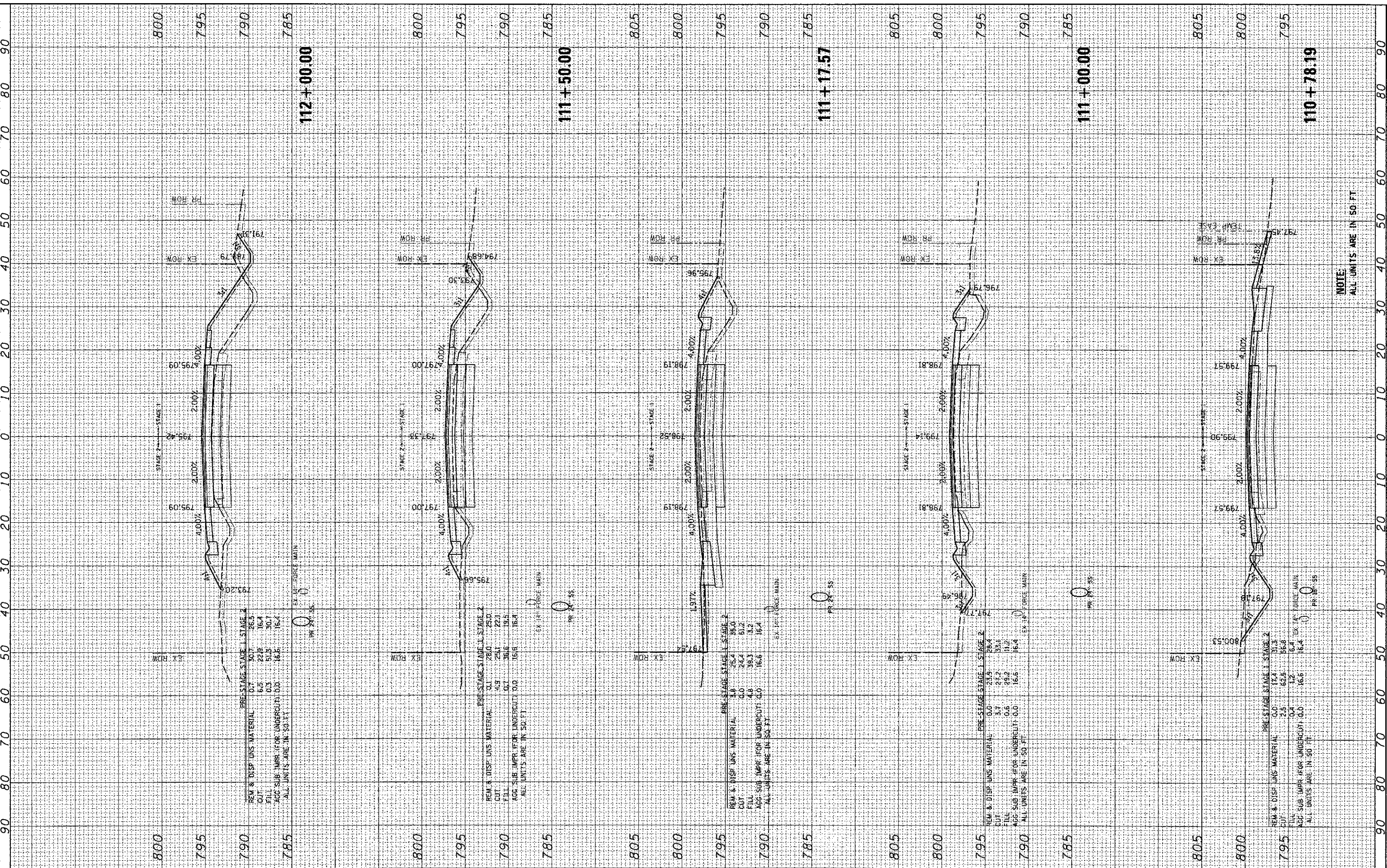
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	154
CONTRACT NO. 63515			ILLINOIS FED. AID PROJECT	

NOTE
 ALL UNITS ARE IN 50 FT

FINAL SURVEY PLOTTED AREAS CHECKED BY DATE

ORIGINAL SURVEY PLOTTED AREAS CHECKED BY DATE

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: 12/19/2012 4:01:12 PM
 CLIENT: 06022-PRCS/STP/STG
 DATE PLOTTED: 06/02/2012
 FILE NAME: pdf_dx_no_rev/pts/cg
 PLOT DRIVER: standard-trans.tbl
 PEN TABLE:



USER NAME = jettana

DESIGNED - JRM
 DRAWN - SMP
 CHECKED - TH
 DATE - 12/19/12

REVISED -
 REVISED -
 REVISED -
 REVISED -

**MCHENRY COUNTY
 DIVISION OF TRANSPORTATION**

**CROSS SECTIONS
 JOHNSBURG ROAD**

SCALE: 1"=10' SHEET NO. 5 OF 32 SHEETS STA. 110+78.19 TO STA. 112+00.00

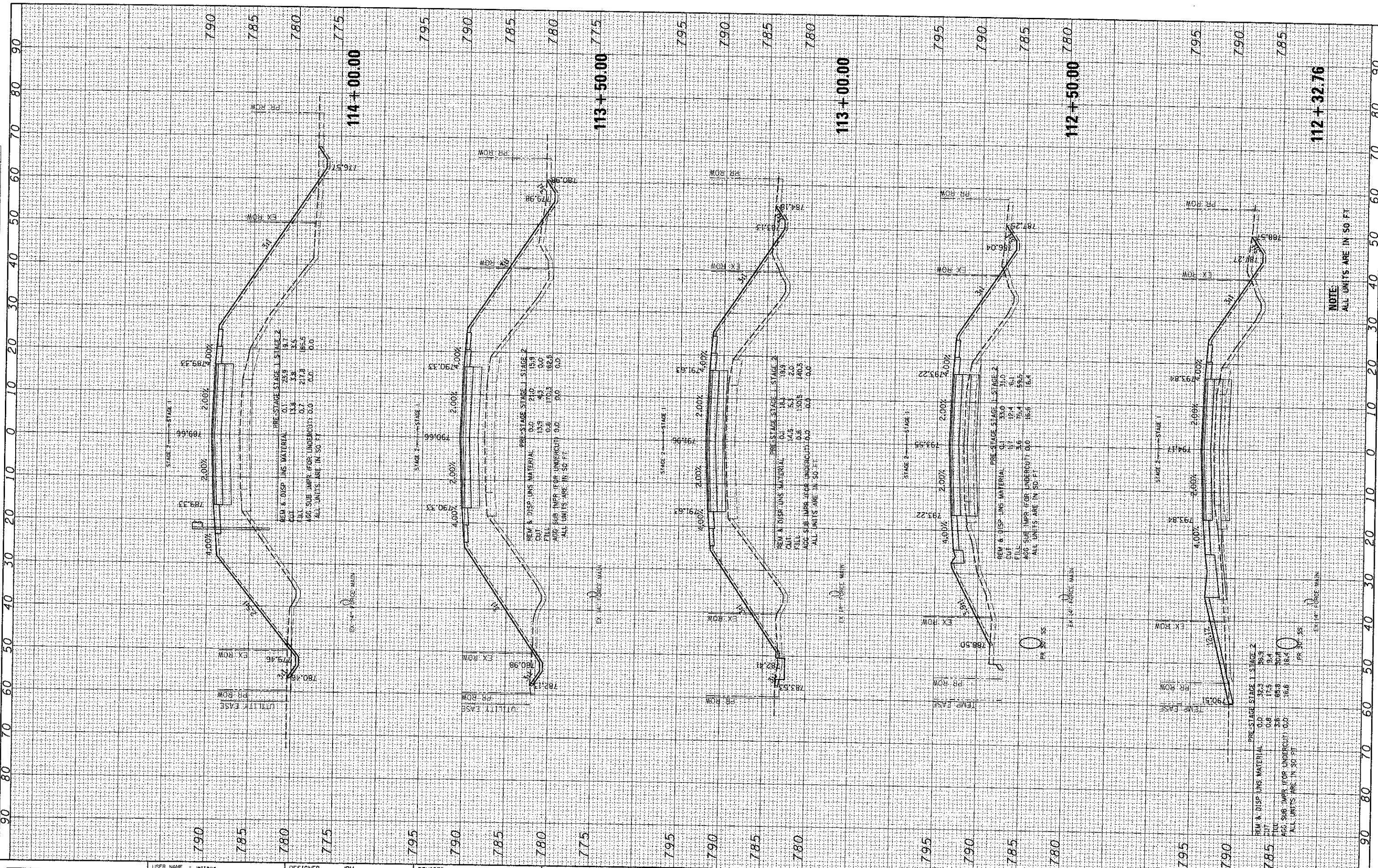
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	155
CONTRACT NO. 63515			ILLINOIS FED. AID PROJECT	

NOTE:
 ALL UNITS ARE IN 50 FT.

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

ORIGINAL SURVEY	DATE	BY
NOTE BOOK		
AREAS		
NO.		

COMPANY NAME: HRGreen.com
 CLIENT CONTACT: 12/19/2012 6:11:18 PM
 DATE PLOTTED: 12/19/2012 6:11:18 PM
 FILE NAME: 05-00314-00-WR.dwg
 PLOT DRIVER: plot.dwg to: hmc:\projects\05-00314-00-WR\05-00314-00-WR.dwg
 PEN TABLE: standard.ctb



USER NAME	- jostona
PLOT SCALE	= 1"=10'
PLOT DATE	= 12/19/2012

DESIGNED	- JRM
DRAWN	- SMP
CHECKED	- TH
DATE	- 12/19/12

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**MCHENRY COUNTY
DIVISION OF TRANSPORTATION**

**CROSS SECTIONS
JOHNSBURG ROAD**

SCALE: 1"=10' SHEET NO. 6 OF 32 SHEETS STA. 112+32.76 TO STA. 114+00.00

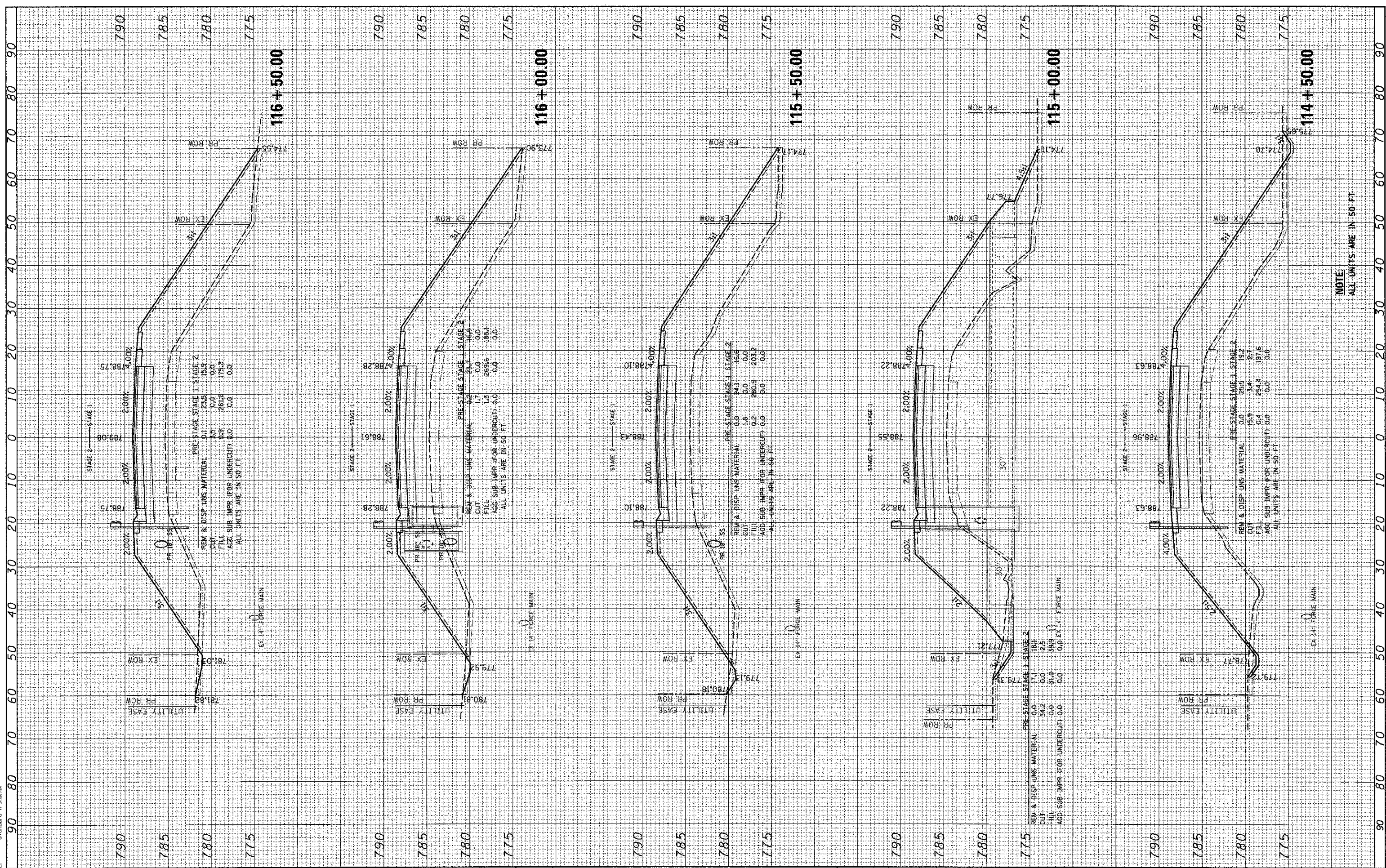
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	156
			CONTRACT NO. 63515	

NOTE
ALL UNITS ARE IN 50 FT

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

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

COMPANY NAME: HRGreen.com
 PROJECT CONTRACT: 05-00314-00-WR
 DATE PLOTTED: 12/19/2012 8:16:24 PM
 FILE NAME: 08652-PRCSmains.dgn
 PLOT DRIVER: pdfw_no_leveloffset.d
 PEN TABLE: standard-tracks.tbl



NOTE
 ALL UNITS ARE IN 50 FT



USER NAME = jstanna
 PLOT SCALE = 1"=10'
 PLOT DATE = 12/19/2012

DESIGNED - JRM
 DRAWN - SMP
 CHECKED - TH
 DATE - 12/19/12

REVISED -
 REVISED -
 REVISED -
 REVISED -

**MCHENRY COUNTY
 DIVISION OF TRANSPORTATION**

**CROSS SECTIONS
 JOHNSBURY ROAD**

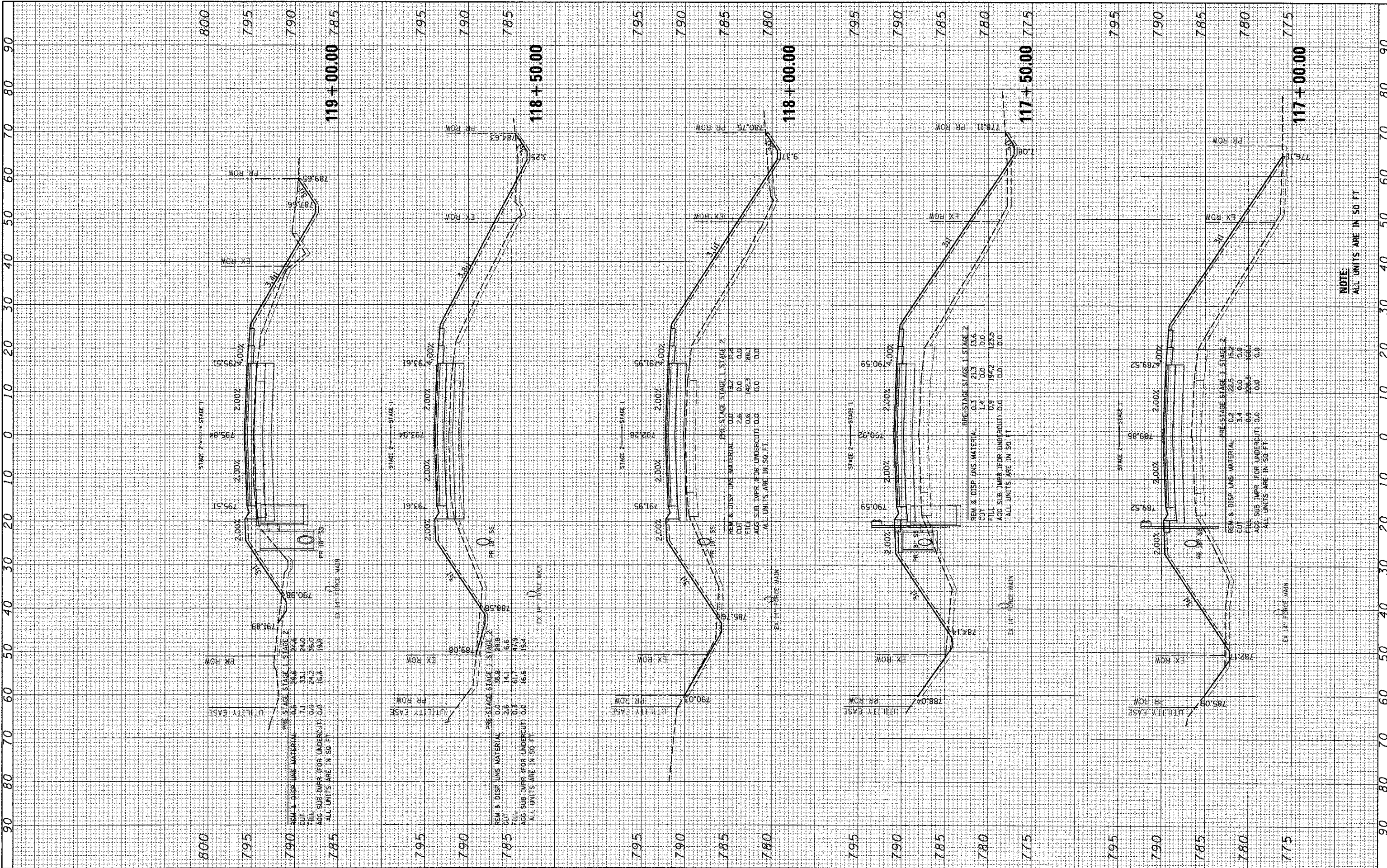
SCALE: 1"=10' SHEET NO. 7 OF 32 SHEETS STA. 114+50.00 TO STA. 116+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	157
			CONTRACT NO. 63515	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	BY	DATE
TEMPERATURE		
NOTE BOOK		
AREAS CHECKED		

ORIGINAL SURVEY	BY	DATE
NOTE BOOK		
AREAS CHECKED		

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: Jastana
 DATE PLOTTED: 12/19/2012 4:15:37 PM
 FILE NAME: 060622-05-00314-00-WR.dwg
 PLOT DATE: 12/19/2012

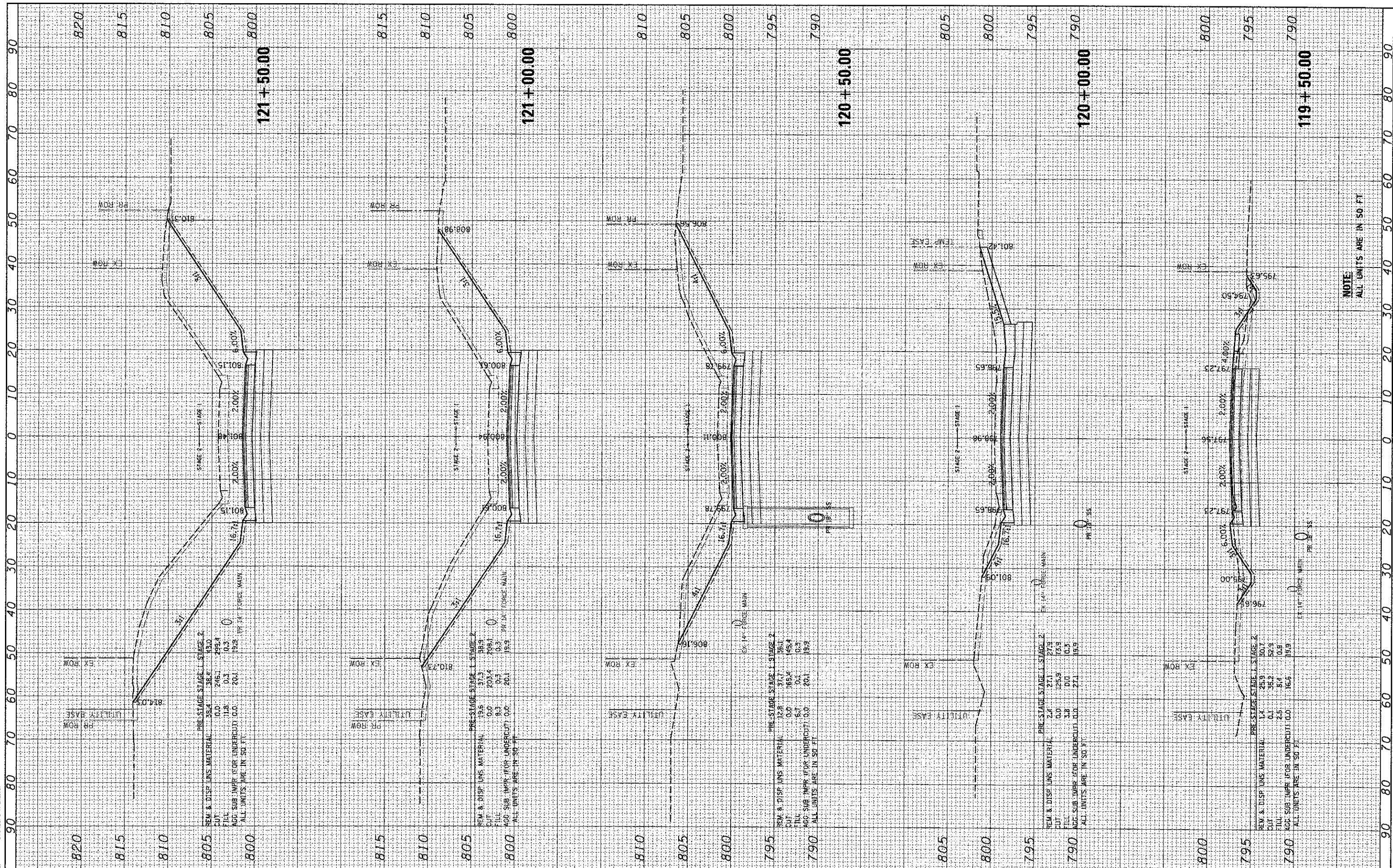


NOTE:
ALL UNITS ARE IN SQ. FT.

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

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

COMPANY NAME: HRGreen.com
 PROJECT CONTRACT: 05-00314-00-WR
 CLIENT: MCHENRY COUNTY
 DATE PLOTTED: 12/19/2012 4:11:37 PM
 FILE NAME: 060622-PROJSPRINTS.dgn
 PLOT DRIVER: pdf.plt, no_bv640.ctb
 PEN TABLE: Standard-Trans.tbl



USER NAME = jattana
 PLOT SCALE = 1"=10'
 PLOT DATE = 12/19/2012

DESIGNED - JRM
 DRAWN - SMP
 CHECKED - TH
 DATE - 12/19/12

REVISED -
 REVISED -
 REVISED -
 REVISED -

**MCHENRY COUNTY
 DIVISION OF TRANSPORTATION**

**CROSS SECTIONS
 JOHNSBURG ROAD**

SCALE: 1"=10' SHEET NO. 9 OF 32 SHEETS STA. 119+50.00 TO STA. 121+50.00

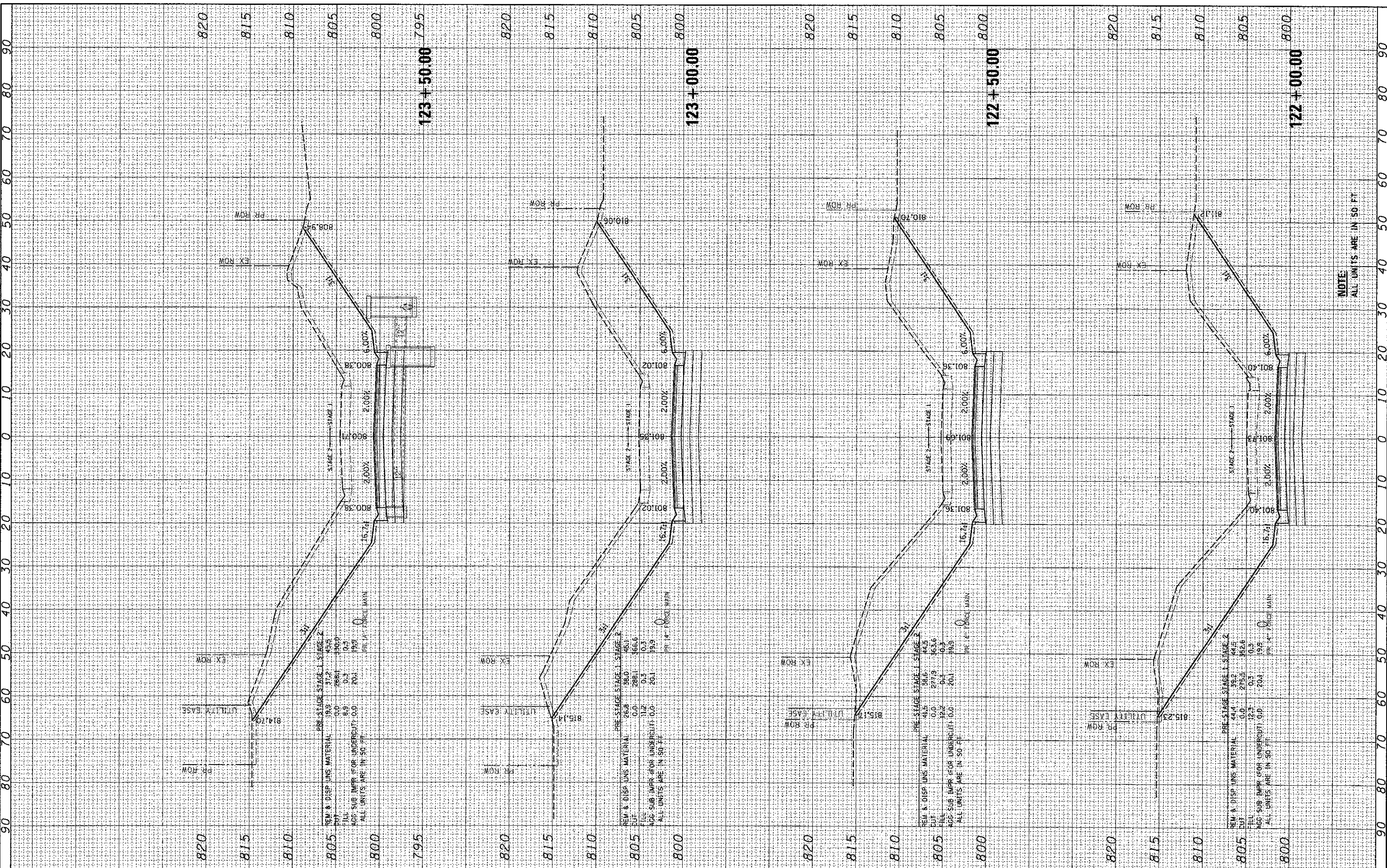
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	159
			CONTRACT NO. 63515	
ILLINOIS FED. AID PROJECT				

NOTE:
 ALL UNITS ARE IN 50 FT

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

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

COMPANY NAME: HRCGreen.com
 CLIENT CONTACT: 12/19/2012 4:14:45 PM
 DATE PLOTTED: 08/22-PRK/SH/MS/CPG
 FILE NAME: prk_dwg_no_utility_ease.dwg
 PLOT DRIVER: stonard@hr-green.com
 PEN TABLE:



USER NAME	= jattana
DESIGNED	- JRM
DRAWN	- SMP
REVISOR	-
REVISION	-
REVISION	-
REVISION	-
DATE	= 12/19/12

DESIGNED	- JRM
DRAWN	- SMP
REVISOR	-
REVISION	-
REVISION	-
REVISION	-
DATE	= 12/19/12

MCHENRY COUNTY
DIVISION OF TRANSPORTATION

CROSS SECTIONS
JOHNSBURG ROAD

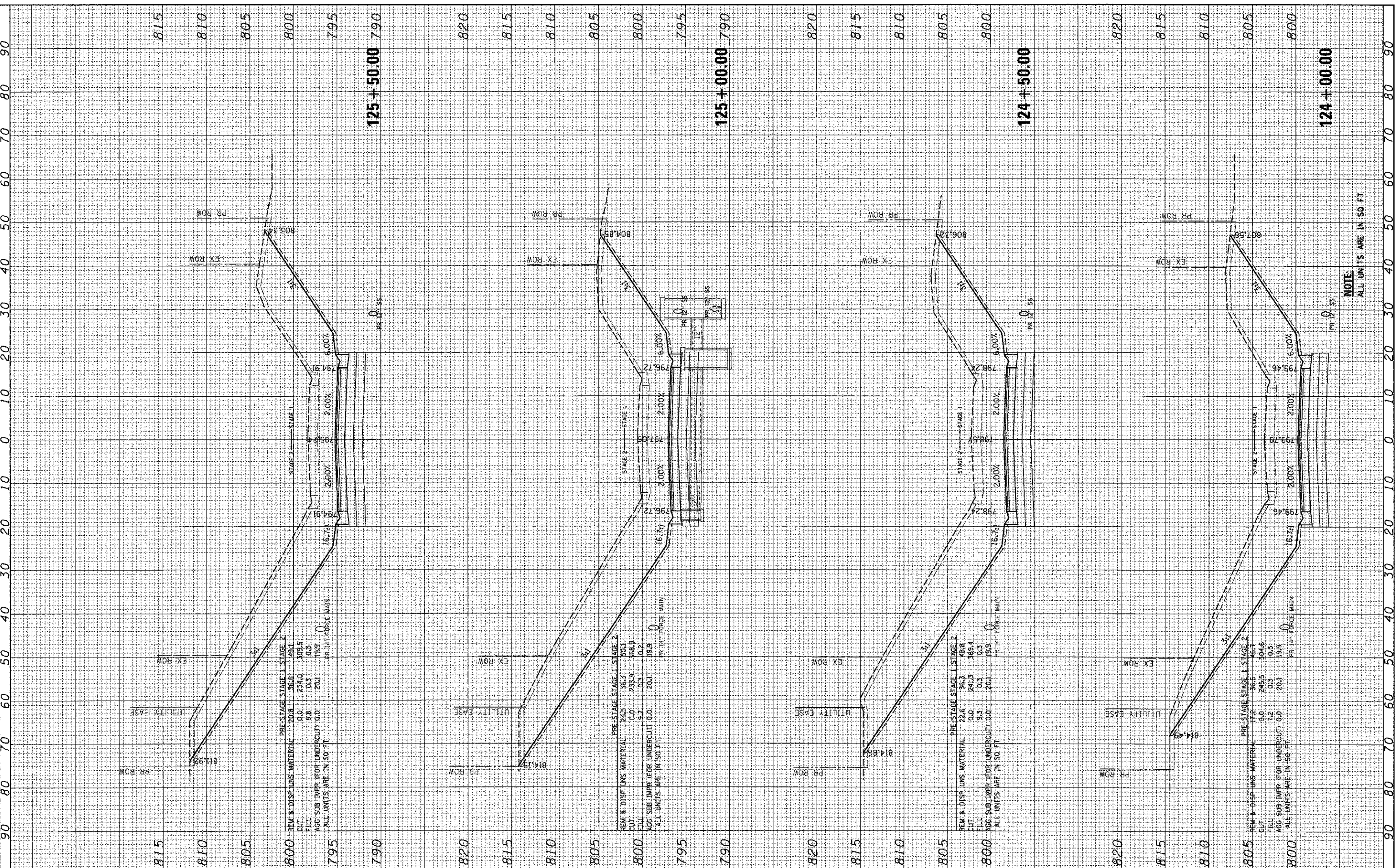
SCALE: 1"=10'
 SHEET NO. 10 OF 32 SHEETS
 STA. 122+00.00 TO STA. 123+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	160
CONTRACT NO. 63515				

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

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

COMPANY NAME: HRGreen.com
 CLIENT CONTACT: 12/19/2012 4:04:49 PM
 DATE PLOTTED: 05/02/2013
 FILE NAME: 05022-RR033shwrts.dgn
 PLOT DRIVER: pdf.plt, no_level.ctb
 PEN TABLE: standard.ctb



USER NAME = jatlans	DESIGNED - JRM	REVISED -
	DRAWN - SMP	REVISED -
PLOT SCALE = 1"=10'	CHECKED - TH	REVISED -
PLOT DATE = 12/19/2012	DATE - 12/19/12	REVISED -

**MCHENRY COUNTY
DIVISION OF TRANSPORTATION**

**CROSS SECTIONS
JOHNSBURG ROAD**

SCALE: 1"=10' SHEET NO. 11 OF 32 SHEETS STA. 124+00.00 TO STA. 125+50.00

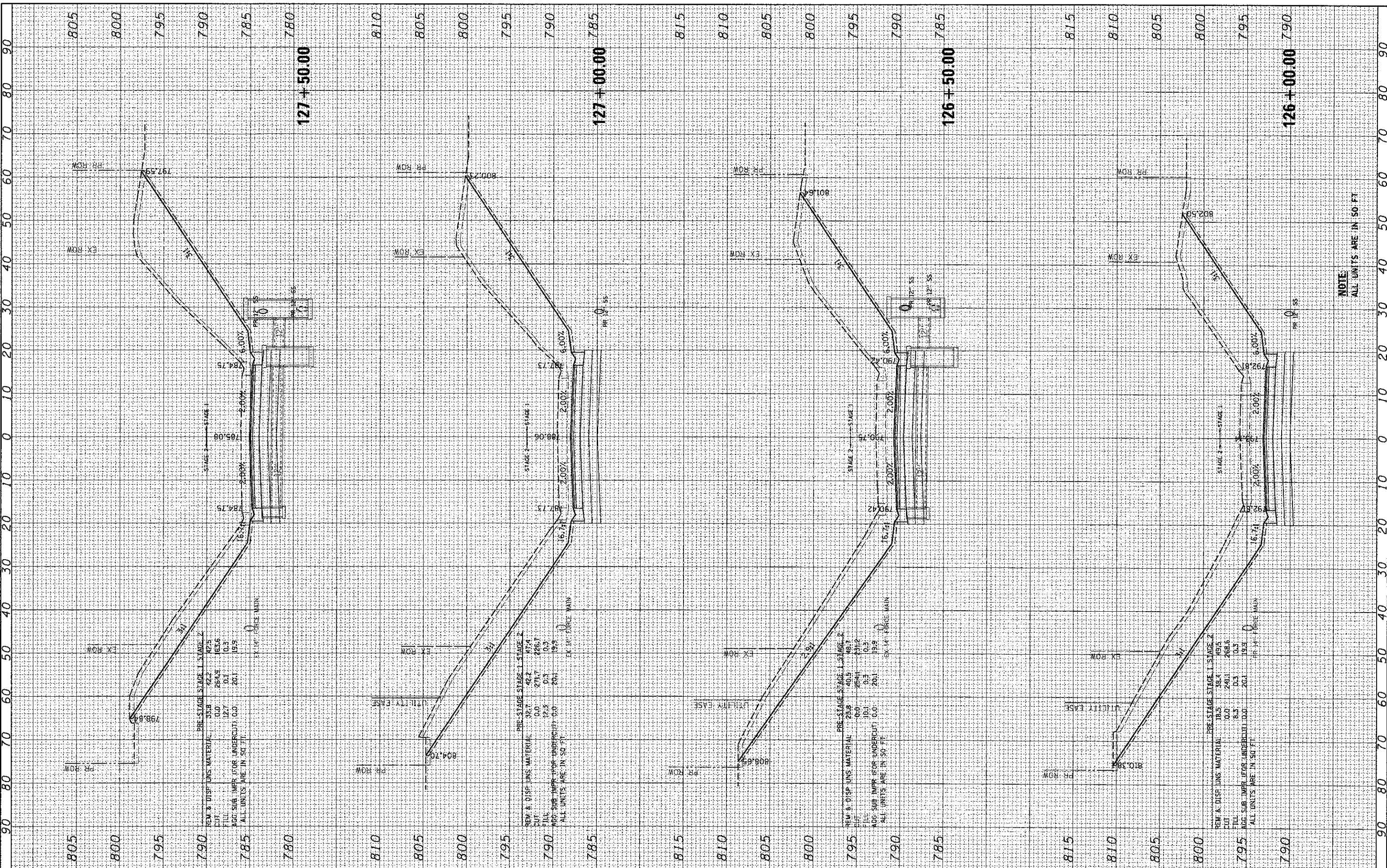
F.A. RTE. 168	SECTION 05-00314-00-WR	COUNTY MCHENRY	TOTAL SHEETS 187	SHEET NO. 161
CONTRACT NO. 63515			ILLINOIS FED. AID PROJECT	

NOTE:
ALL UNITS ARE IN 50 FT

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

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

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: Jactana
 DATE PLOTTED: 12/19/2012 4:15:55 PM
 FILE NAME: 05052-00314-00-WR.dwg
 PLOT DRIVER: pdfplotter
 PEN TABLE: s:\p\color-table.tbl



PRE-STAGE STAGE 1 STAGE 2

REM & DISP UNLS MATERIAL	35.8	42.2	47.5
CUT	0.0	264.5	62.6
FILL	12.7	0.1	0.3
AGE SUB IMPR (FOR UNDERCUT)	0.0	20.1	19.9
ALL UNITS ARE IN SQ FT			

PRE-STAGE STAGE 1 STAGE 2

REM & DISP UNLS MATERIAL	32.7	42.2	47.4
CUT	0.0	279.7	245.7
FILL	12.3	0.3	0.3
AGE SUB IMPR (FOR UNDERCUT)	0.0	20.1	19.9
ALL UNITS ARE IN SQ FT			

PRE-STAGE STAGE 1 STAGE 2

REM & DISP UNLS MATERIAL	28.8	40.5	46.7
CUT	0.0	254.4	231.2
FILL	10.1	0.3	0.3
AGE SUB IMPR (FOR UNDERCUT)	0.0	20.1	19.9
ALL UNITS ARE IN SQ FT			

PRE-STAGE STAGE 1 STAGE 2

REM & DISP UNLS MATERIAL	18.5	38.4	43.5
CUT	0.0	240.1	268.6
FILL	8.3	0.3	0.3
AGE SUB IMPR (FOR UNDERCUT)	0.0	20.1	19.9
ALL UNITS ARE IN SQ FT			

NOTE:
ALL UNITS ARE IN SQ FT

HRGreen.com
 Illinois Professional Design Firm
 # 04-001322

USER NAME	Jactana
DESIGNED	JRM
DRAWN	SMP
CHECKED	TH
DATE	12/19/2012
REVISIONS	
REVISIONS	
REVISIONS	
REVISIONS	

**MCHENRY COUNTY
DIVISION OF TRANSPORTATION**

**CROSS SECTIONS
JOHNSBURG ROAD**

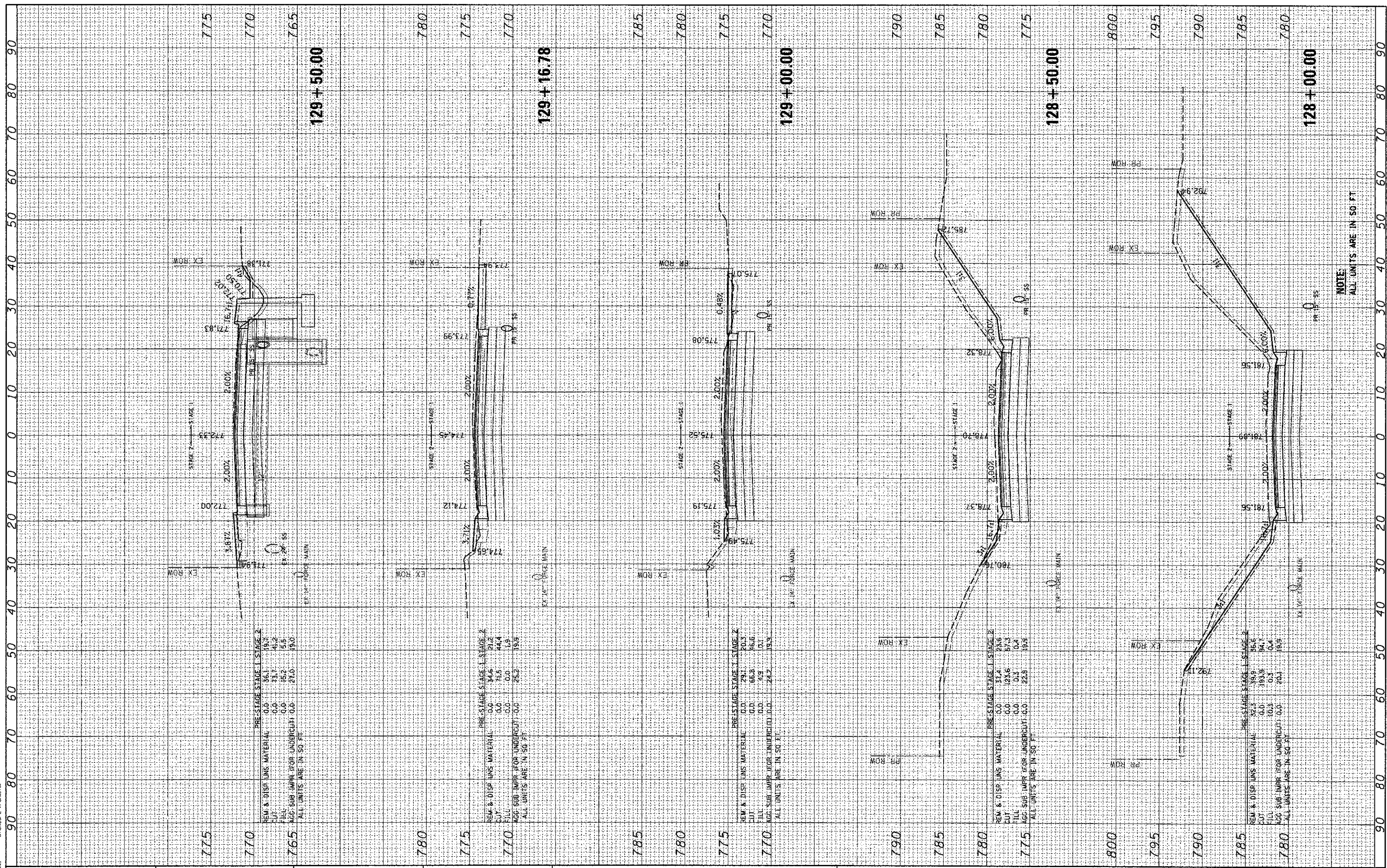
SCALE: 1"=10' SHEET NO. 12 OF 32 SHEETS STA. 126+00.00 TO STA. 127+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	162
CONTRACT NO.			63515	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVISED	DATE
SUBJECT	PLOTTED	
NOTE BOOK	TEMPLATE	
NO.	AREAS CHECKED	

ORIGINAL SURVEY	SURVISED	DATE
CLIENT	PLOTTED	
FILE NAME	TEMPLATE	
PLOT DRIVER	AREAS CHECKED	
PEN TABLE		

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: 12/19/2012 4:20:27 PM
 CLIENT: 060622-PRJ-Schnee-8.dgn
 FILE NAME: per_dw_no_invalp1rct19
 PLOT DRIVER: standard-trans.tbl
 PEN TABLE:



USER NAME = jattana
PLOT SCALE = 1"=10'
PLOT DATE = 12/19/2012

DESIGNED - JRM
DRAWN - SMP
CHECKED - TH
DATE - 12/19/12

REVISED -
REVISED -
REVISED -
REVISED -

**MCHENRY COUNTY
DIVISION OF TRANSPORTATION**

SCALE: 1"=10'
SHEET NO. 13 OF 32 SHEETS
STA. 128+00.00 TO STA. 129+50.00

**CROSS SECTIONS
JOHNSBURG ROAD**

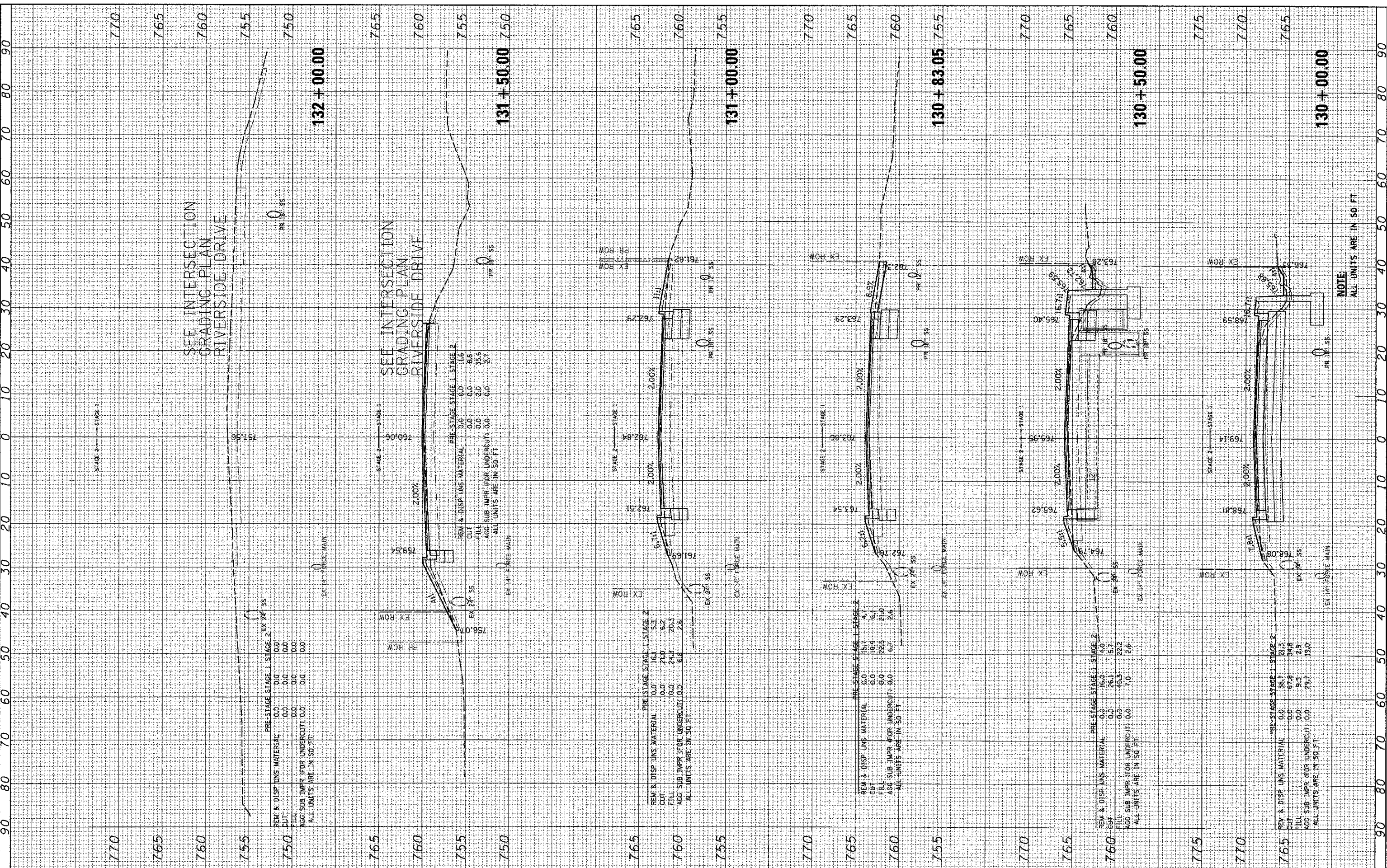
F.A. RTE. 168	SECTION 05-00314-00-WR	COUNTY MCHENRY	TOTAL SHEETS 187	SHEET NO. 163
CONTRACT NO. 63515			ILLINOIS FED. AID PROJECT	

NOTE:
ALL UNITS ARE IN SQ FT

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

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

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: J. Jettone
 CLIENT: MCHENRY COUNTY
 DATE PLOTTED: 12/19/2012 4:02:08 PM
 FILE NAME: 06022-PRCSMstrs.dgn
 PLOT DRIVER: pdf.dwg, no, level, plot, no, standard-trans.tbl
 PEN TABLE:



USER NAME = jettone

DESIGNED - JRM
 DRAWN - SMP
 CHECKED - TH
 DATE - 12/19/12

REVISED -
 REVISED -
 REVISED -
 REVISED -

**MCHENRY COUNTY
 DIVISION OF TRANSPORTATION**

**CROSS SECTIONS
 JOHNSBURG ROAD**

SCALE: 1"=10'
 SHEET NO. 14 OF 32 SHEETS
 STA. 130+00.00 TO STA. 132+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	164
			CONTRACT NO.	63515

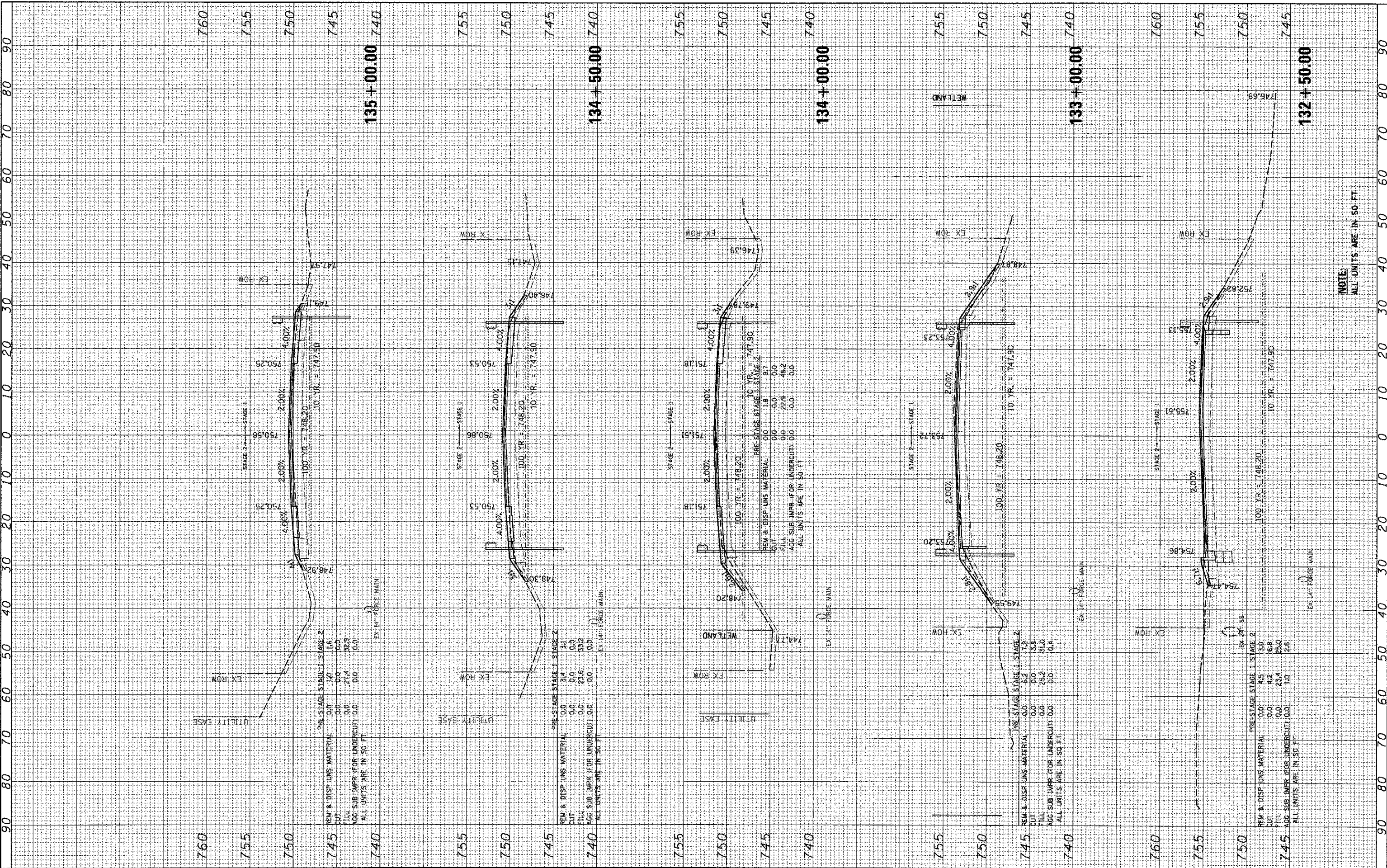
ILLINOIS FED. AID PROJECT

NOTE
 ALL UNITS ARE IN 50 FT

FINISHED SURVEY	BY	DATE
PLOTTED		
TEMPLATE		
NOTE BOOK		
AREAS CHECKED		
NO.		

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

COMPANY NAME: HRGreen.com
 PROJECT CONTACTS: 12/19/2012 4:07:14 PM
 CLIENT: 060622-PROJ3166165.dgn
 FILE NAME: pdf dwg no. 060622-PROJ3166165.dgn
 PLOT DRIVER: standard-truecolor.plt
 PEN TABLE:



USER NAME	jjettone
DESIGNED	JRM
DRAWN	SMP
CHECKED	TH
DATE	12/19/12

REVISIONS	
REVISED	-
REVISED	-
REVISED	-
REVISED	-

PRE-STAGE STAGE 1 STAGE 2	
REM & DISP UNS MATERIAL	0.0 3.4 3.1
CUT	0.0 0.0 0.0
FILL	0.0 23.6 33.2
AGG SUB IMPR (FOR UNDERCUT)	0.0 0.0 0.0
ALL UNITS ARE IN SQ FT	

PRE-STAGE STAGE 1 STAGE 2	
REM & DISP UNS MATERIAL	0.0 1.8 9.7
CUT	0.0 0.0 0.0
FILL	0.0 22.5 46.2
AGG SUB IMPR (FOR UNDERCUT)	0.0 0.0 0.0
ALL UNITS ARE IN SQ FT	

PRE-STAGE STAGE 1 STAGE 2	
REM & DISP UNS MATERIAL	0.0 6.2 7.2
CUT	0.0 3.8 3.8
FILL	0.0 25.2 51.0
AGG SUB IMPR (FOR UNDERCUT)	0.0 0.0 0.4
ALL UNITS ARE IN SQ FT	

PRE-STAGE STAGE 1 STAGE 2	
REM & DISP UNS MATERIAL	0.0 4.5 3.0
CUT	0.0 0.0 0.0
FILL	0.0 23.4 25.0
AGG SUB IMPR (FOR UNDERCUT)	0.0 3.0 2.6
ALL UNITS ARE IN SQ FT	

**MCHENRY COUNTY
DIVISION OF TRANSPORTATION**

**CROSS SECTIONS
JOHNSBURG ROAD**

SCALE: 1"=10' SHEET NO. 15 OF 32 SHEETS STA. 132+50.00 TO STA. 135+00.00

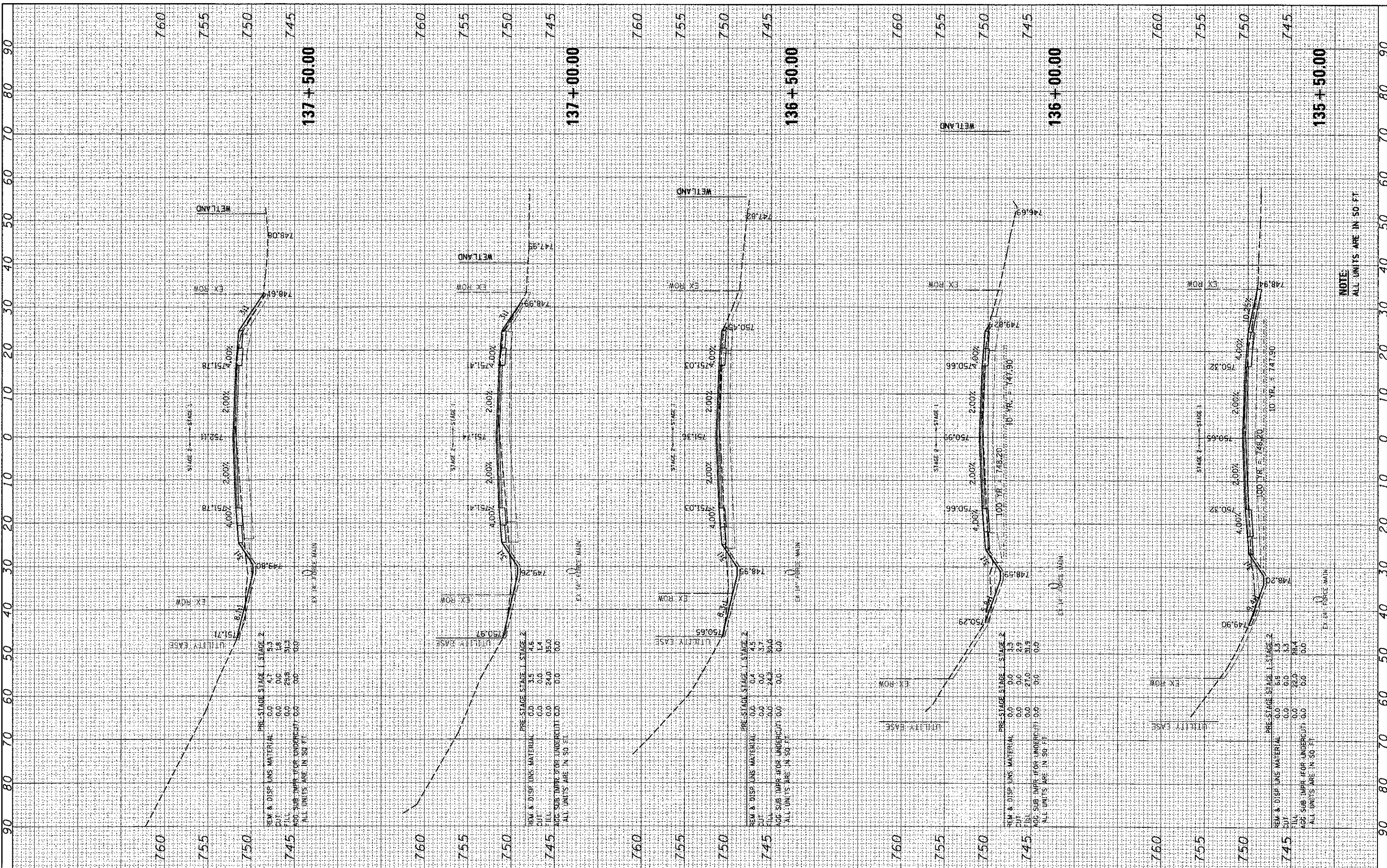
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	165
			CONTRACT NO. 63515	
ILLINOIS FED. AID PROJECT				

NOTE:
ALL UNITS ARE IN SQ. FT.

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

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

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: HRGreen
 DATE PLOTTED: 12/19/2012 4:24:21 PM
 FILE NAME: 05-00314-00-WR
 PEN TABLE: p02.tbl
 STATIONING: 135+50.00 TO 137+50.00



USER NAME	= jettana
DESIGNED	- JRM
DRAWN	- SMP
CHECKED	- TH
DATE	- 12/19/12

REVISIONS	-
REVISIONS	-
REVISIONS	-
REVISIONS	-

PRE-STAGE	STAGE 1	STAGE 2	
REM & DISP LINS MATERIAL	0.0	4.7	5.3
CUT	0.0	0.0	1.8
FILL	0.0	23.8	51.5
AGG SUB IMPR (FOR UNDERCUT)	0.0	0.0	0.0
ALL UNITS ARE IN SQ FT			

PRE-STAGE	STAGE 1	STAGE 2	
REM & DISP LINS MATERIAL	0.0	3.5	4.6
CUT	0.0	0.0	1.4
FILL	0.0	24.0	35.0
AGG SUB IMPR (FOR UNDERCUT)	0.0	0.0	0.0
ALL UNITS ARE IN SQ FT			

PRE-STAGE	STAGE 1	STAGE 2	
REM & DISP LINS MATERIAL	0.0	0.4	4.5
CUT	0.0	0.0	3.7
FILL	0.0	24.2	30.0
AGG SUB IMPR (FOR UNDERCUT)	0.0	0.0	0.0
ALL UNITS ARE IN SQ FT			

PRE-STAGE	STAGE 1	STAGE 2	
REM & DISP LINS MATERIAL	0.0	0.0	3.5
CUT	0.0	0.0	2.9
FILL	0.0	27.0	30.9
AGG SUB IMPR (FOR UNDERCUT)	0.0	0.0	0.0
ALL UNITS ARE IN SQ FT			

PRE-STAGE	STAGE 1	STAGE 2	
REM & DISP LINS MATERIAL	0.0	6.8	3.3
CUT	0.0	0.0	3.3
FILL	0.0	22.0	28.4
AGG SUB IMPR (FOR UNDERCUT)	0.0	0.0	0.0
ALL UNITS ARE IN SQ FT			



**MCHENRY COUNTY
 DIVISION OF TRANSPORTATION**

**CROSS SECTIONS
 JOHNSBURG ROAD**

SCALE: 1"=10' SHEET NO. 16 OF 32 SHEETS STA. 135+50.00 TO STA. 137+50.00

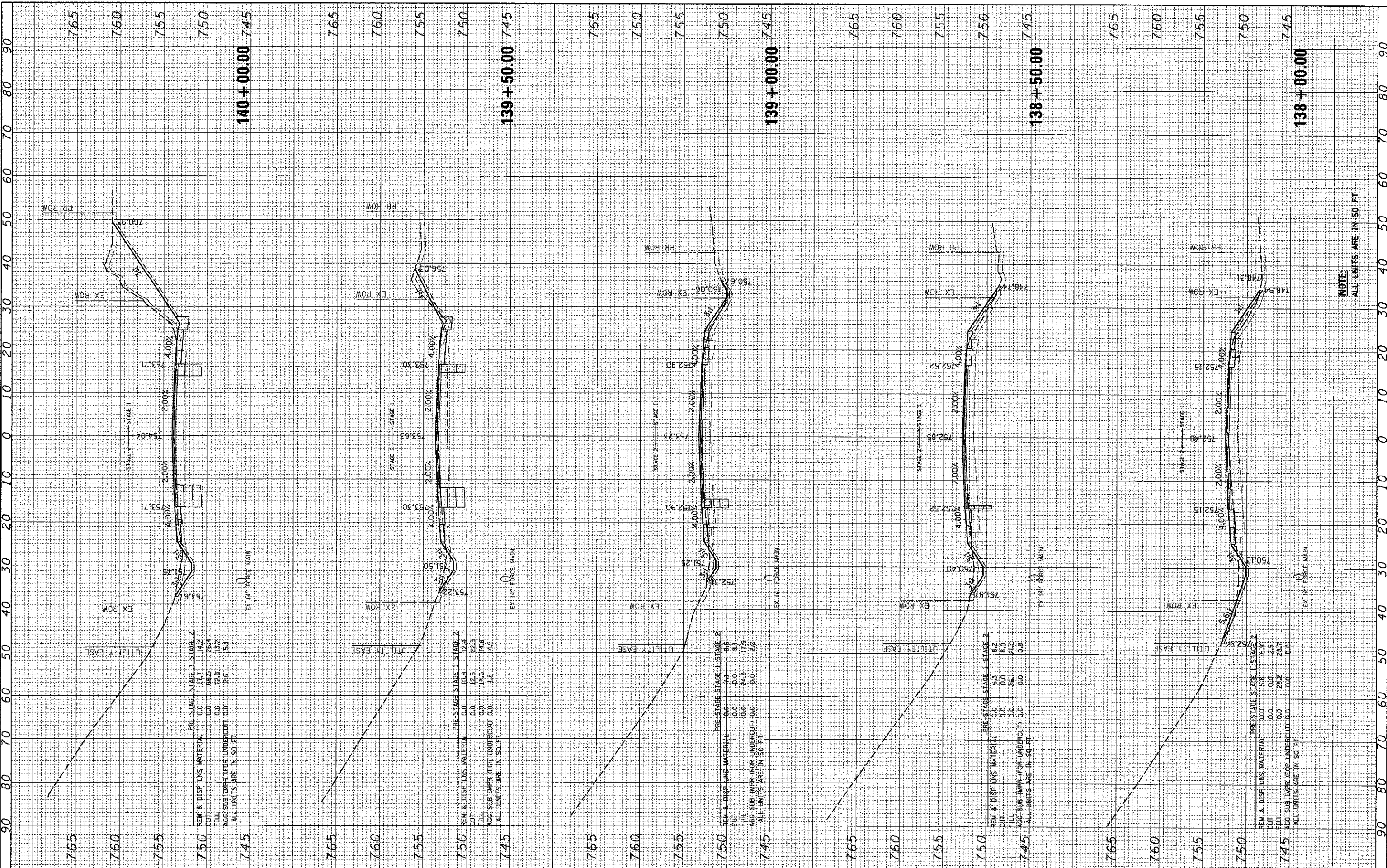
FA RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	166
CONTRACT NO. 63515			ILLINOIS FED. AID PROJECT	

NOTE:
 ALL UNITS ARE IN 50 FT

FINAL	DATE
SURVEY	BY
NOTE BOOK	
TEMPLATE	
AREAS	
CHECKED	

ORIGINAL	DATE
SURVEY	BY
NOTE BOOK	
TEMPLATE	
AREAS	
CHECKED	

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: J. J. J. J.
 DATE PLOTTED: 12/19/2012 4:02:37 PM
 FILE NAME: 080522-PRJ-00314-00-WR
 PLOT DRAWER: j. j. j. j.
 PEN TABLE: Standard-11x17.dwg



PRE-STAGE STAGE 1 STAGE 2

REM & DISP LINS MATERIAL	0.0	12.1	14.2
CUT	0.0	0.0	0.0
FILL	0.0	12.1	14.2
AGG SUB IMPR (FOR UNDERCUT)	0.0	2.6	5.1

ALL UNITS ARE IN SQ FT

PRE-STAGE STAGE 1 STAGE 2

REM & DISP LINS MATERIAL	0.0	12.4	12.4
CUT	0.0	12.5	22.3
FILL	0.0	14.5	14.8
AGG SUB IMPR (FOR UNDERCUT)	0.0	3.8	4.5

ALL UNITS ARE IN SQ FT

PRE-STAGE STAGE 1 STAGE 2

REM & DISP LINS MATERIAL	0.0	7.1	8.6
CUT	0.0	0.0	8.1
FILL	0.0	0.0	0.0
AGG SUB IMPR (FOR UNDERCUT)	0.0	24.3	17.9

ALL UNITS ARE IN SQ FT

PRE-STAGE STAGE 1 STAGE 2

REM & DISP LINS MATERIAL	0.0	6.3	8.2
CUT	0.0	0.0	8.0
FILL	0.0	0.0	0.0
AGG SUB IMPR (FOR UNDERCUT)	0.0	26.1	21.0

ALL UNITS ARE IN SQ FT

PRE-STAGE STAGE 1 STAGE 2

REM & DISP LINS MATERIAL	0.0	5.8	5.8
CUT	0.0	0.0	2.5
FILL	0.0	0.0	28.3
AGG SUB IMPR (FOR UNDERCUT)	0.0	0.0	0.0

ALL UNITS ARE IN SQ FT

HRGreen.com
 Illinois Professional Design Firm
 #184-001322

USER NAME = j. j. j. j.
 PLOT SCALE = 1"=10'
 PLOT DATE = 12/19/2012

DESIGNED	-	JRM
DRAWN	-	SMP
CHECKED	-	TH
DATE	-	12/19/12
REVISED	-	
REVISED	-	
REVISED	-	
REVISED	-	

**MCHENRY COUNTY
 DIVISION OF TRANSPORTATION**

**CROSS SECTIONS
 JOHNSBURG ROAD**

SCALE: 1"=10' SHEET NO. 17 OF 32 SHEETS STA. 138+00.00 TO STA. 140+00.00

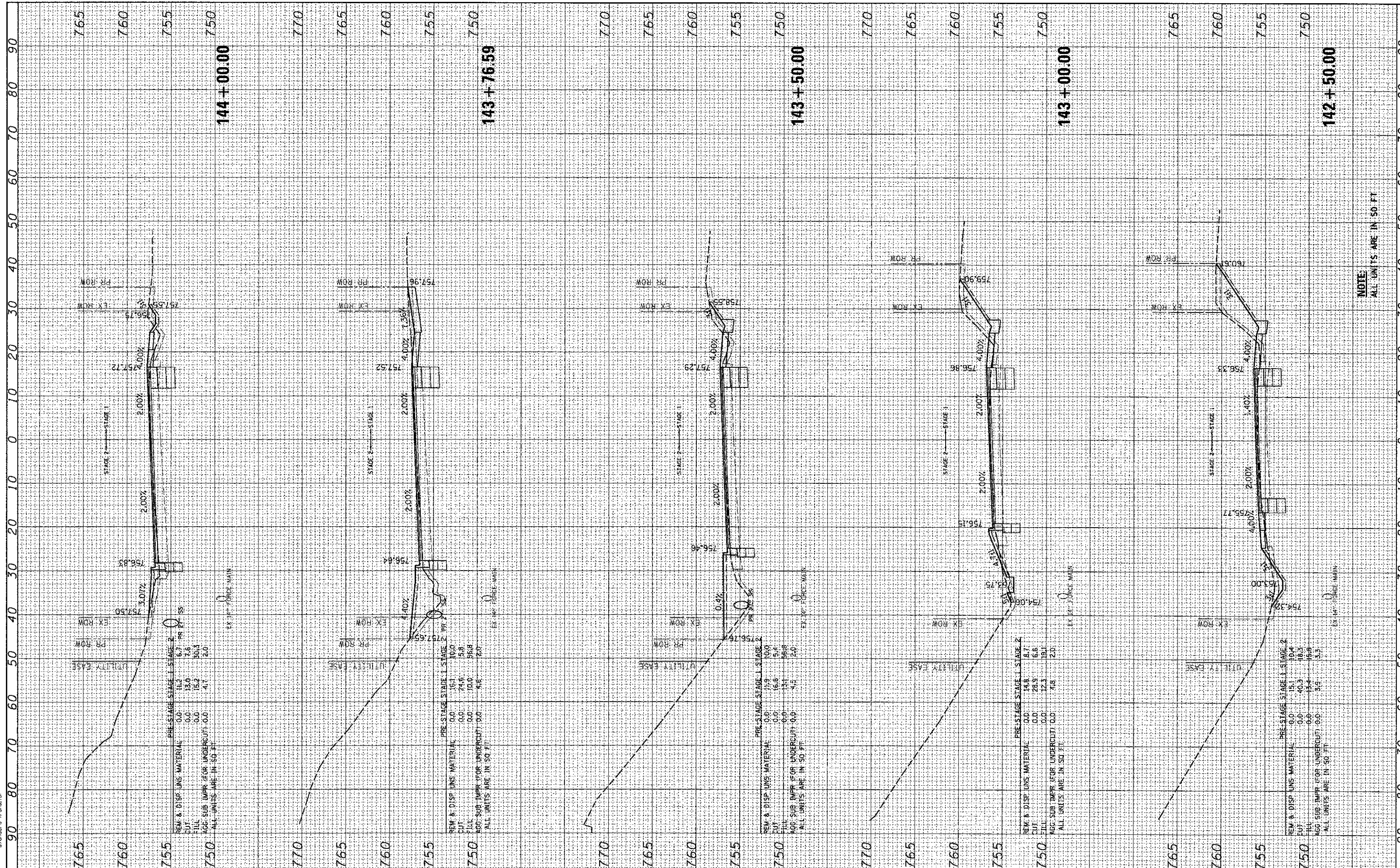
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	167
				CONTRACT NO. 63515
ILLINOIS FED. AID PROJECT				

NOTE:
 ALL UNITS ARE IN SQ. FT.

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

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

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: J. Jettana
 DATE PLOTTED: 12/19/2012 4:23:39 PM
 FILE NAME: 060624-PRX500016.dwg
 PLOT DRIVER: pldrv_low_res.dwt
 PEN TABLE: Standard-Trans.tbl



USER NAME	= jettana
DESIGNED	- JRM
DRAWN	- SMP
CHECKED	- TH
DATE	- 12/19/2012

REVISED	-
REVISED	-
REVISED	-
REVISED	-

REVISION	NO.	DATE	DESCRIPTION

**MCHENRY COUNTY
DIVISION OF TRANSPORTATION**

**CROSS SECTIONS
JOHNSBURG ROAD**

SCALE: 1"=10' SHEET NO. 19 OF 32 SHEETS STA. 142+50.00 TO STA. 144+00.00

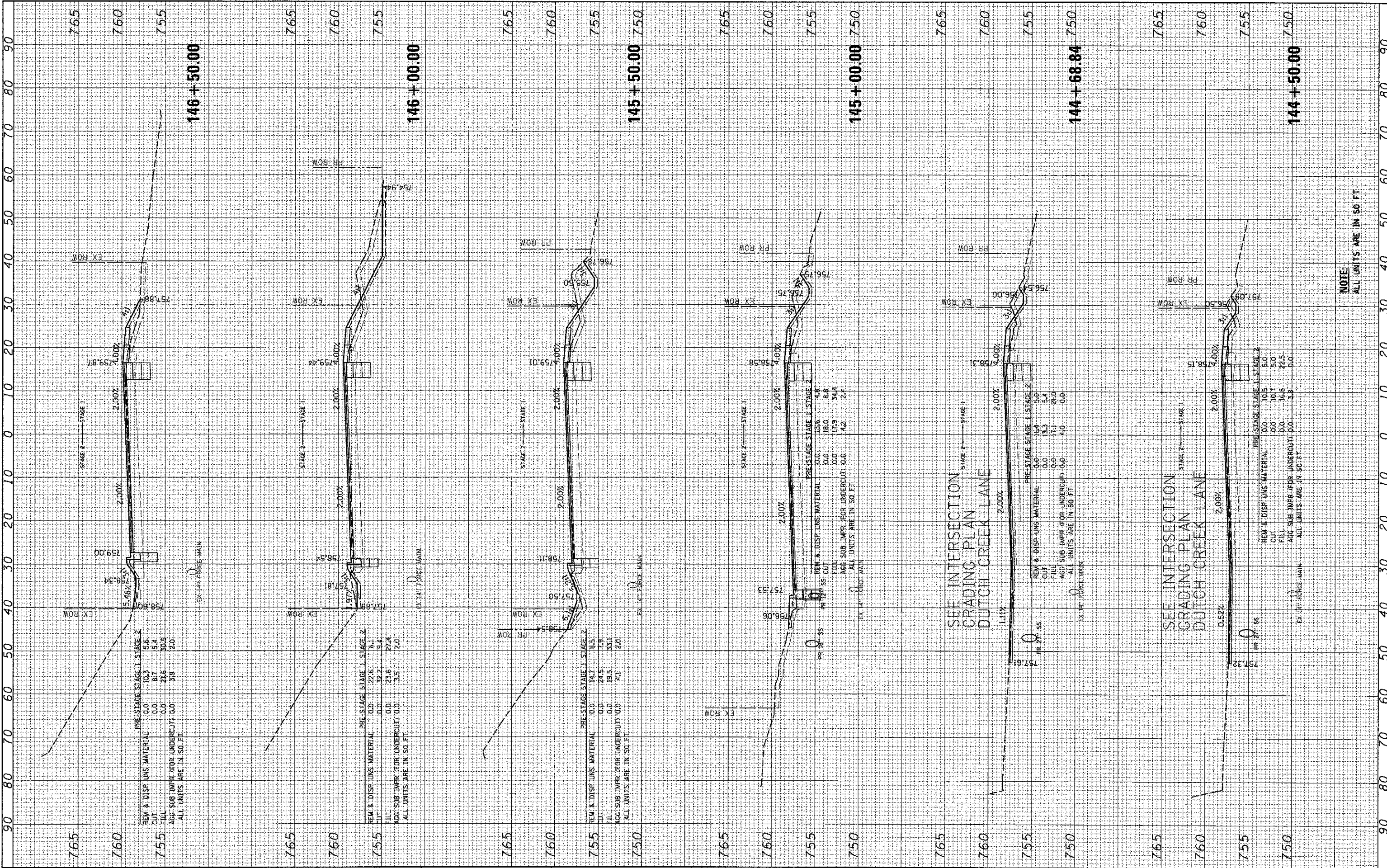
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	169
CONTRACT NO.			63515	
ILLINOIS FED. AID PROJECT				

NOTE:
ALL UNITS ARE IN 50 FT

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: 12/19/2012 4:24:46 PM
 CLIENT: 086022-FH05sheds.dgn
 DATE PLOTTED: 12/19/2012 4:24:46 PM
 FILE NAME: 086022-FH05sheds.dgn
 PLOT NUMBER: 170
 PLOT DATE: 12/19/2012

ORIGINAL SURVEY: SURVEYED
 NOTE BROOK: TEMPLATE
 AREAS CHECKED: AREAS CHECKED

FINAL SURVEY: SURVEYED
 NOTE BROOK: TEMPLATE
 AREAS CHECKED: AREAS CHECKED



PRE-STAGE STAGE 1 STAGE 2

REM & DISP UNS MATERIAL	0.0	10.3	5.6
CUT	0.0	8.7	5.4
FILL	0.0	21.6	30.5
AGG SUB IMPR (FOR UNDERCUT)	0.0	319	2.0

ALL UNITS ARE IN SQ FT

PRE-STAGE STAGE 1 STAGE 2

REM & DISP UNS MATERIAL	0.0	22.6	6.1
CUT	0.0	12.2	5.4
FILL	0.0	23.6	27.4
AGG SUB IMPR (FOR UNDERCUT)	0.0	3.5	2.0

ALL UNITS ARE IN SQ FT

PRE-STAGE STAGE 1 STAGE 2

REM & DISP UNS MATERIAL	0.0	14.7	8.5
CUT	0.0	24.5	7.9
FILL	0.0	19.5	33.1
AGG SUB IMPR (FOR UNDERCUT)	0.0	4.1	2.0

ALL UNITS ARE IN SQ FT

PRE-STAGE STAGE 1 STAGE 2

REM & DISP UNS MATERIAL	0.0	10.6	4.8
CUT	0.0	18.0	8.8
FILL	0.0	17.9	34.4
AGG SUB IMPR (FOR UNDERCUT)	0.0	4.2	2.4

ALL UNITS ARE IN SQ FT

PRE-STAGE STAGE 1 STAGE 2

REM & DISP UNS MATERIAL	0.0	1.4	5.0
CUT	0.0	3.3	5.4
FILL	0.0	1.1	29.0
AGG SUB IMPR (FOR UNDERCUT)	0.0	4.0	0.9

ALL UNITS ARE IN SQ FT

PRE-STAGE STAGE 1 STAGE 2

REM & DISP UNS MATERIAL	0.0	10.6	5.0
CUT	0.0	10.1	5.0
FILL	0.0	16.8	22.5
AGG SUB IMPR (FOR UNDERCUT)	0.0	3.8	2.0

ALL UNITS ARE IN SQ FT

NOTE:
ALL UNITS ARE IN SQ FT



USER NAME = jstehne
 PLOT SCALE = 1"=10'
 PLOT DATE = 12/19/2012

DESIGNED - JRM	REVISED -
DRAWN - SMP	REVISED -
CHECKED - TH	REVISED -
DATE - 12/19/12	REVISED -

MCHENRY COUNTY
DIVISION OF TRANSPORTATION

CROSS SECTIONS
JOHNSBURG ROAD

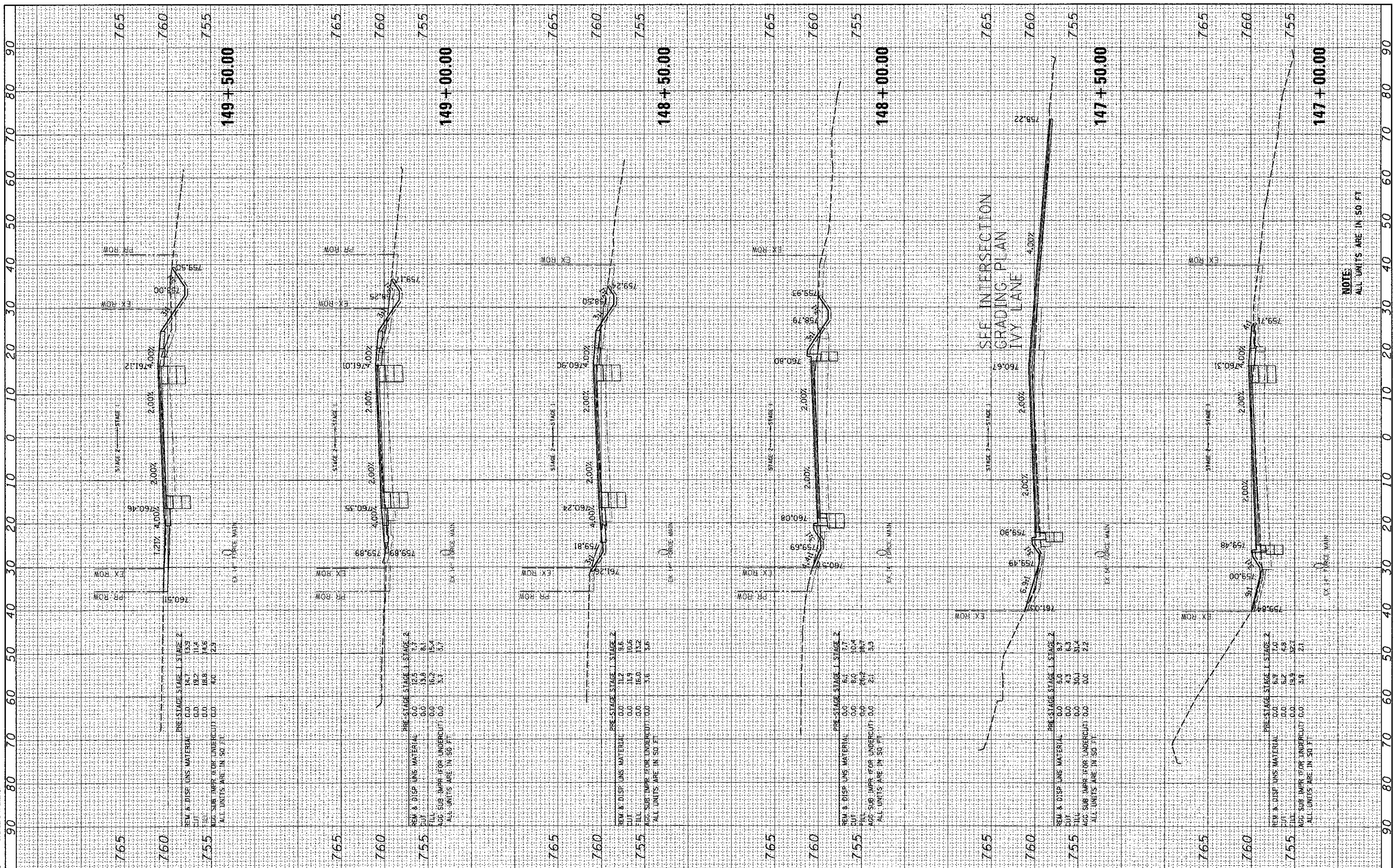
SCALE: 1"=10' SHEET NO. 20 OF 32 SHEETS STA. 144+50.00 TO STA. 146+50.00

F.A. RTE. 168	SECTION 05-00314-00-WR	COUNTY MCHENRY	TOTAL SHEETS 187	SHEET NO. 170
CONTRACT NO. 63515			ILLINOIS FED. AID PROJECT	

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
AREAS CHECKED		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
AREAS CHECKED		

COMPANY NAME	PROJECT CONTACT
12/19/2012 4:05:57 PM	12/19/2012 4:05:57 PM
060622-RRASSTBEEF-02	060622-RRASSTBEEF-02
pat.d.w.no.level.draft	pat.d.w.no.level.draft
standard-11.mxd	standard-11.mxd



PRE-STAGE STAGE 1 STAGE 2

REM & DISP UNS MATERIAL	0.0	14.7	13.5
CUT	0.0	19.2	11.4
FILL	0.0	18.8	14.5
AGG SUB IMPR (FOR UNDERCUT)	0.0	0.0	2.9

ALL UNITS ARE IN SQ FT

PRE-STAGE STAGE 1 STAGE 2

REM & DISP UNS MATERIAL	0.0	12.5	7.7
CUT	0.0	13.8	8.1
FILL	0.0	16.2	15.4
AGG SUB IMPR (FOR UNDERCUT)	0.0	3.7	3.7

ALL UNITS ARE IN SQ FT

PRE-STAGE STAGE 1 STAGE 2

REM & DISP UNS MATERIAL	0.0	11.2	9.6
CUT	0.0	11.9	10.6
FILL	0.0	16.0	13.2
AGG SUB IMPR (FOR UNDERCUT)	0.0	3.6	3.6

ALL UNITS ARE IN SQ FT

PRE-STAGE STAGE 1 STAGE 2

REM & DISP UNS MATERIAL	0.0	8.4	7.7
CUT	0.0	8.0	10.4
FILL	0.0	26.2	16.7
AGG SUB IMPR (FOR UNDERCUT)	0.0	2.1	3.3

ALL UNITS ARE IN SQ FT

PRE-STAGE STAGE 1 STAGE 2

REM & DISP UNS MATERIAL	0.0	5.0	8.7
CUT	0.0	4.3	6.3
FILL	0.0	30.1	31.4
AGG SUB IMPR (FOR UNDERCUT)	0.0	0.0	2.2

ALL UNITS ARE IN SQ FT

PRE-STAGE STAGE 1 STAGE 2

REM & DISP UNS MATERIAL	0.0	6.3	7.0
CUT	0.0	6.2	4.8
FILL	0.0	19.9	32.7
AGG SUB IMPR (FOR UNDERCUT)	0.0	3.8	2.1

ALL UNITS ARE IN SQ FT

NOTE
ALL UNITS ARE IN 50 FT

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

USER NAME = jettana
DESIGNED - JRM
DRAWN - SMP
CHECKED - TH
DATE - 12/19/12

REVISIONS
REVISIONS
REVISIONS
REVISIONS

**MCHENRY COUNTY
DIVISION OF TRANSPORTATION**

**CROSS SECTIONS
JOHNSBURG ROAD**

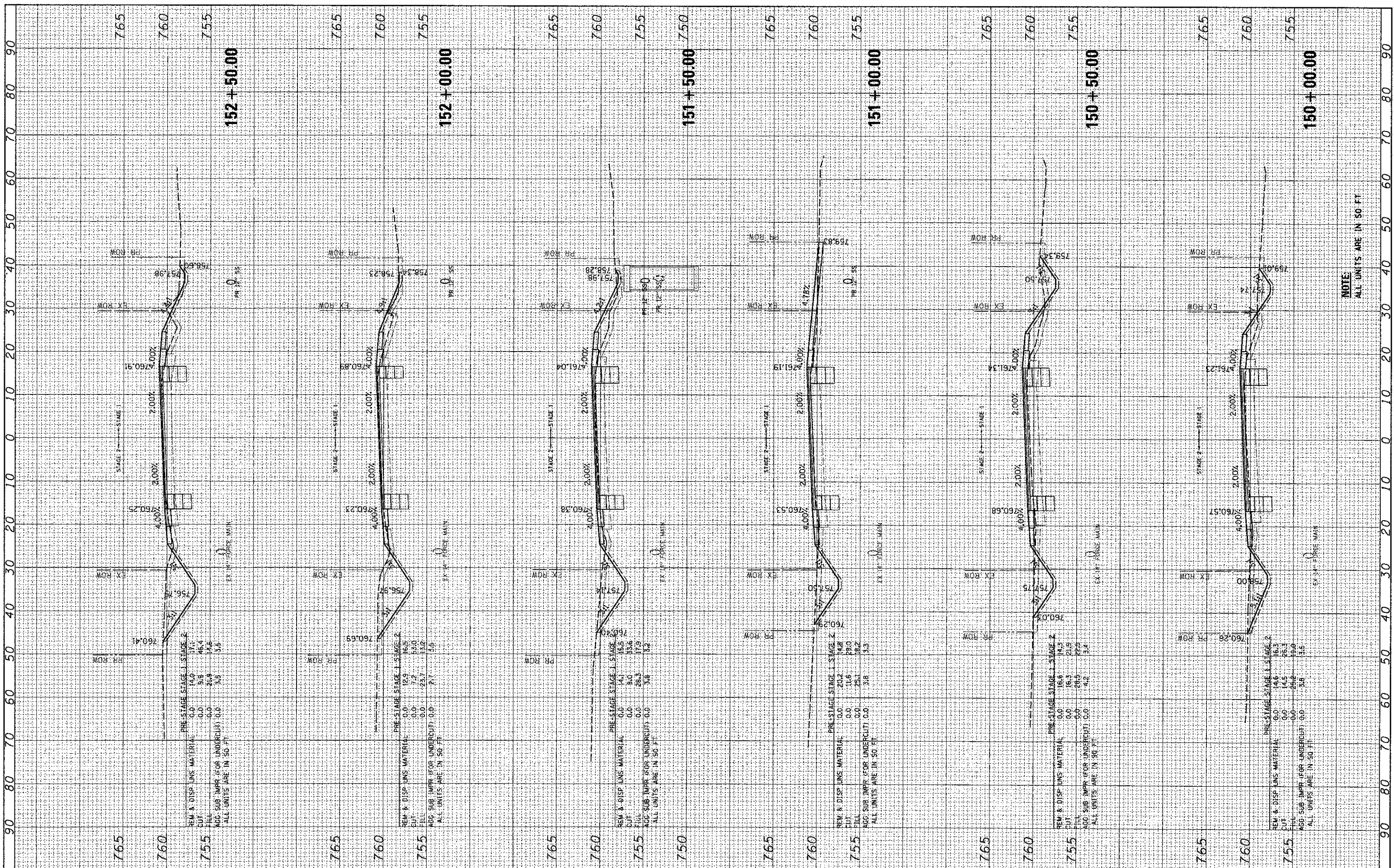
SCALE: 1"=10' SHEET NO. 21 OF 32 SHEETS STA. 147+00.00 TO STA. 149+50.00

F.A. RTE. 168	SECTION 05-00314-00-WR	COUNTY MCHENRY	TOTAL SHEETS 187	SHEET NO. 171
CONTRACT NO. 63515			ILLINOIS FED. AID PROJECT	

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: J. J. Jettano
 CLIENT: MCHENRY COUNTY
 DATE PLOTTED: 12/19/2012 4:25:59 PM
 FILE NAME: 060622-PRKSHR01.dgn
 PLOT DRIVER: pdf_bw_no_invest.ctb
 PEN TABLE: standard1-trans.tbl

ORIGINAL SURVEY PLOTTED AREAS CHECKED
 SURVEYED PLOTTED AREAS CHECKED
 SURVEYED PLOTTED AREAS CHECKED
 SURVEYED PLOTTED AREAS CHECKED

FINAL SURVEY PLOTTED AREAS CHECKED
 SURVEYED PLOTTED AREAS CHECKED
 SURVEYED PLOTTED AREAS CHECKED
 SURVEYED PLOTTED AREAS CHECKED



USER NAME = jettano
 PLOT SCALE = 1"=10'
 PLOT DATE = 12/19/2012

DESIGNED - JRM	REVISED -
DRAWN - SMP	REVISED -
CHECKED - TH	REVISED -
DATE - 12/19/12	REVISED -

**MCHENRY COUNTY
 DIVISION OF TRANSPORTATION**

**CROSS SECTIONS
 JOHNSBURG ROAD**

SCALE: 1"=10' SHEET NO. 22 OF 32 SHEETS STA. 150+00.00 TO STA. 152+50.00

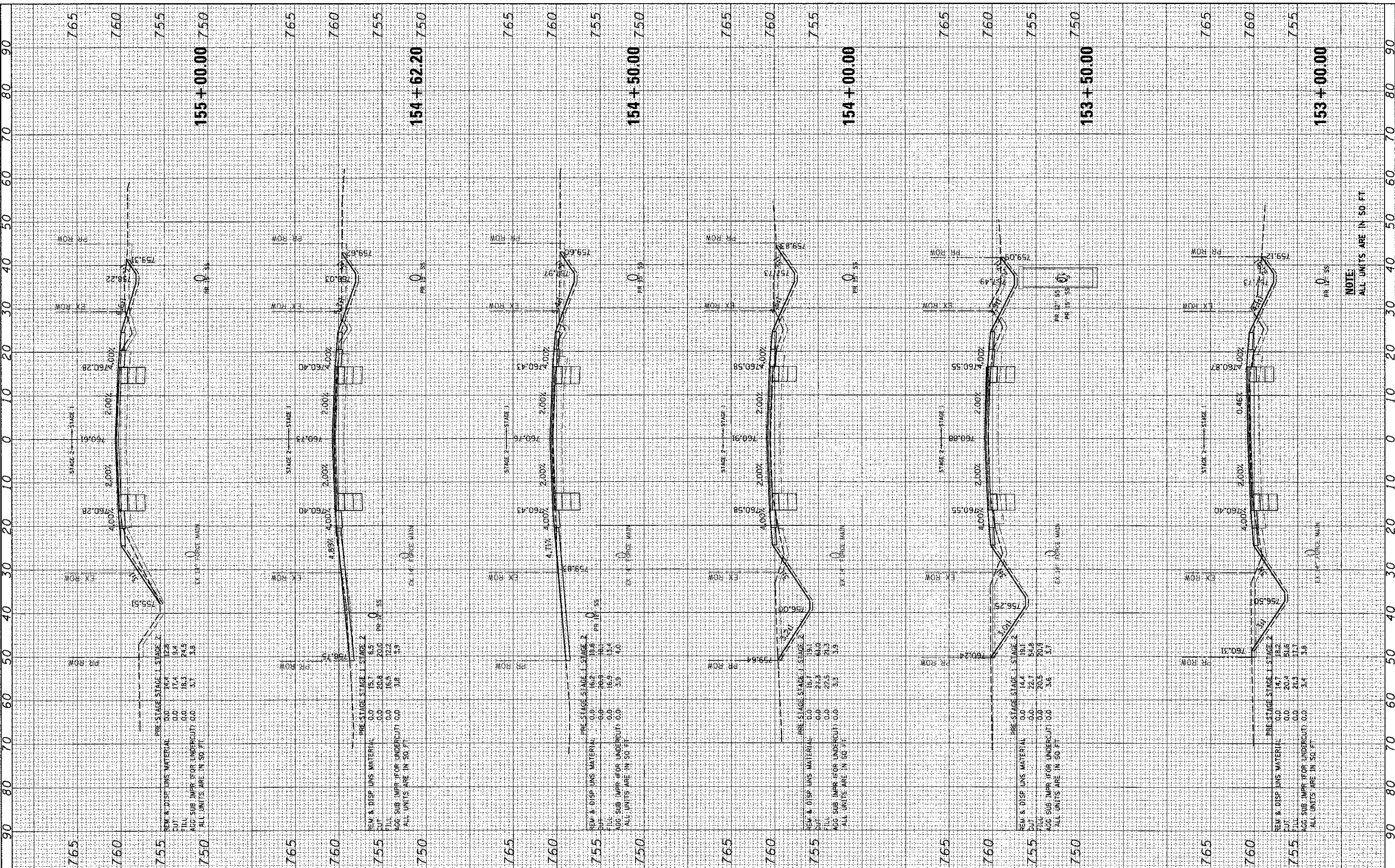
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	172
CONTRACT NO. 63515			ILLINOIS FED. AID PROJECT	

NOTE:
 ALL UNITS ARE IN 50 FT

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

ORIGINAL SURVEY	BY	DATE
NOTE BOOK		
NO.		

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: Jettana
 CLIENT: MCHENRY COUNTY
 DATE PLOTTED: 12/19/2012 4:13:05 PM
 PLOT NUMBER: 05-00314-00-WR
 PLOT SCALE: 1"=10'
 PLOT DATE: 12/19/2012



USER NAME = jettana	DESIGNED - JRM	REVISED -
	DRAWN - SMP	REVISED -
	CHECKED - TH	REVISED -
	DATE - 12/19/12	REVISED -

**MCHENRY COUNTY
DIVISION OF TRANSPORTATION**

**CROSS SECTIONS
JOHNSBURG ROAD**

SCALE: 1"=10' SHEET NO. 23 OF 32 SHEETS STA. 153+00.00 TO STA. 155+00.00

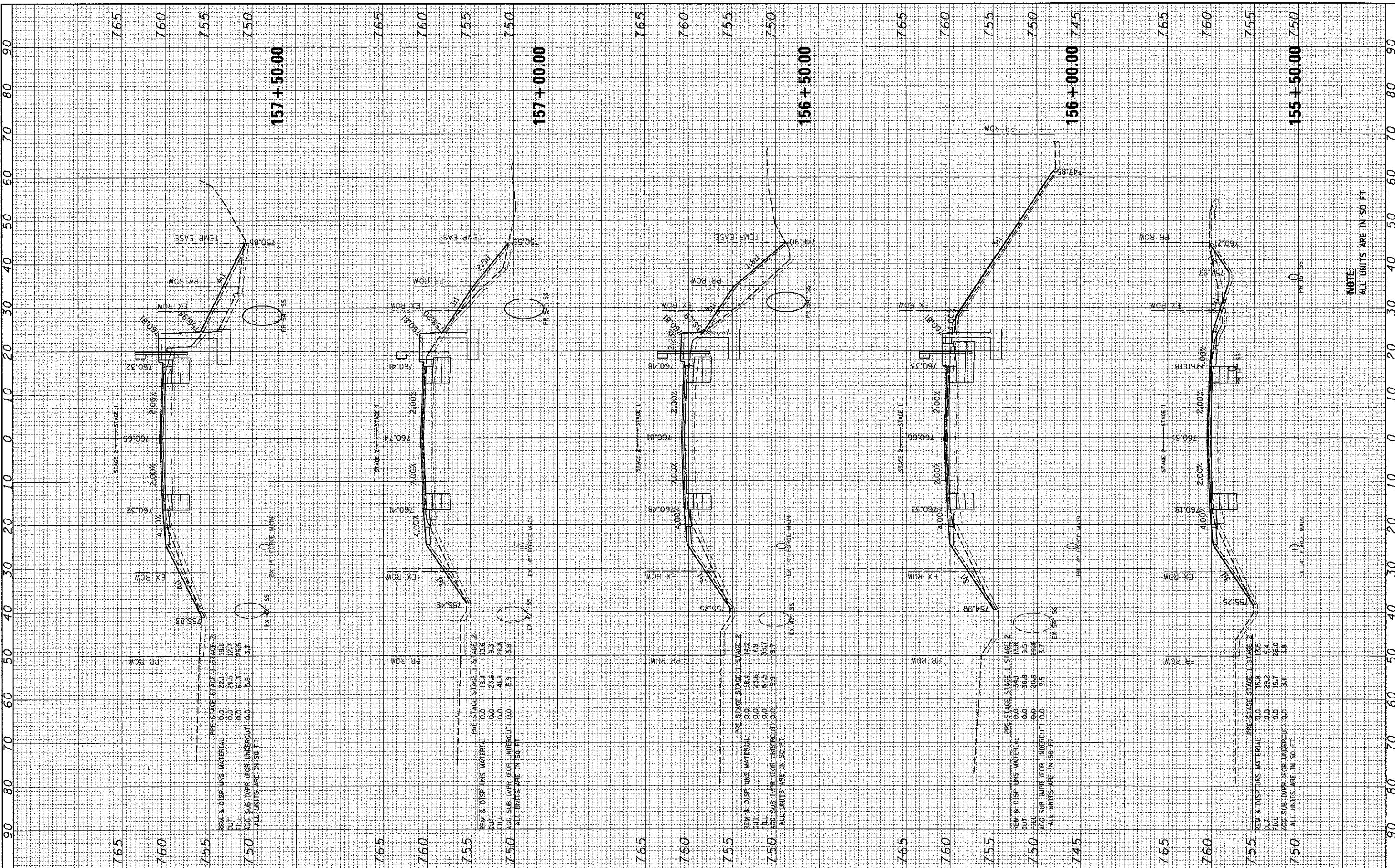
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	173
CONTRACT NO. 63515			ILLINOIS FED. AID PROJECT	

NOTE
ALL UNITS ARE IN 50 FT

FINAL SURVEY	AS KES	BY	DATE
NOTED	PL		
TEMPLATE	NO		
AREAS CHECKED	NO		

ORIGINAL SURVEY	BY	DATE
NOTE BOOK		
AREAS CHECKED		

12/19/2012 4:03:11 PM
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 plot.dwg, no, rev, 06/19/12
 standard-trans.ctb



NOTE:
ALL UNITS ARE IN SQ. FT.

HRGreen
 Illinois Professional Design Firm
 # 184-061322

USER NAME = jettoria	DESIGNED - JRM	REVISED -
PL07 SCALE = 1"=10'	DRAWN - SMP	REVISED -
PL07 DATE = 12/19/2012	CHECKED - TH	REVISED -
	DATE - 12/19/12	REVISED -

**MCHENRY COUNTY
 DIVISION OF TRANSPORTATION**

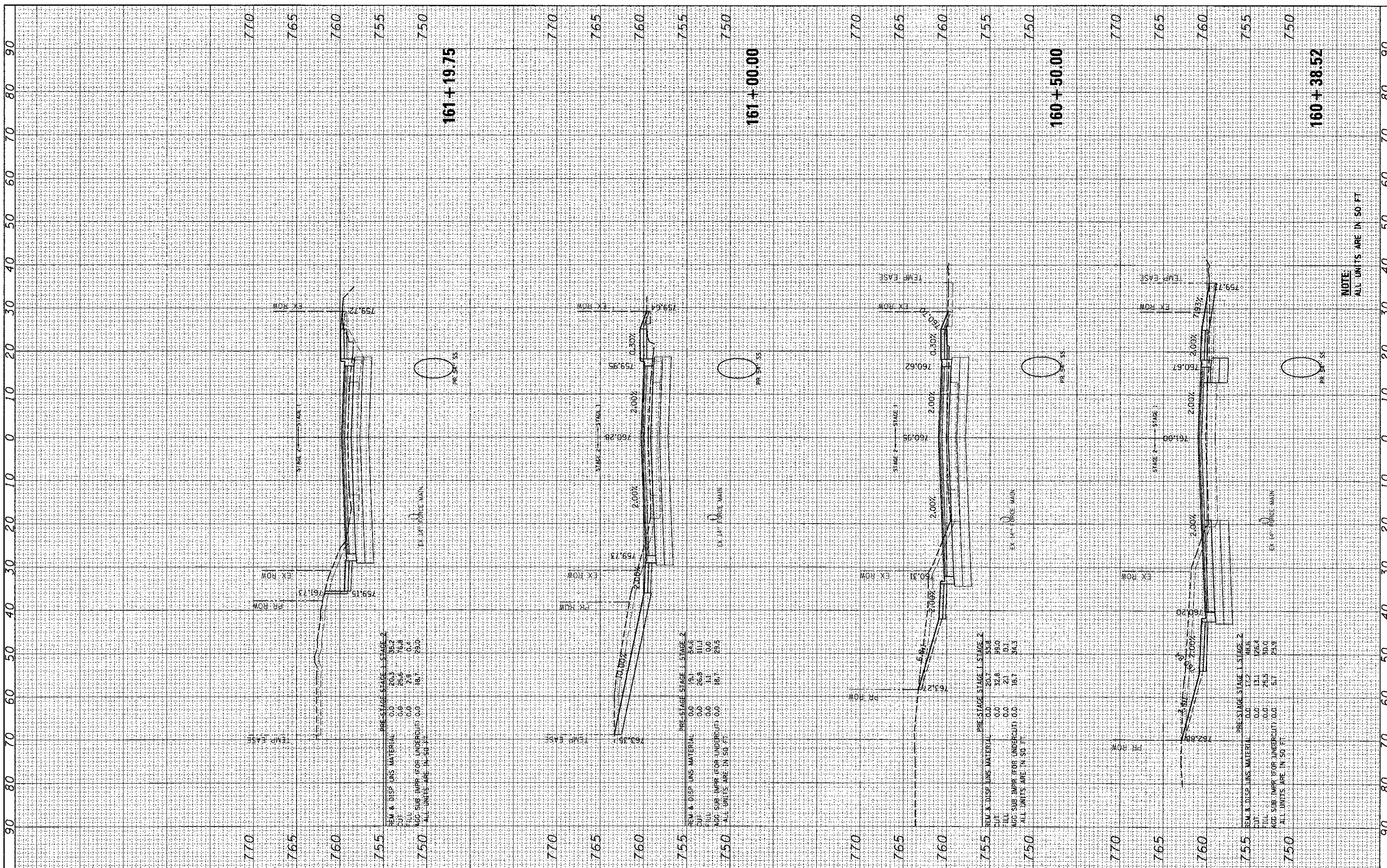
**CROSS SECTIONS
 JOHNSBURG ROAD**
 SCALE: 1"=10' SHEET NO. 24 OF 32 SHEETS STA. 155+50.00 TO STA. 157+50.00

F.A. RTE. 168	SECTION 05-00314-00-WR	COUNTY MCHENRY	TOTAL SHEETS 187	SHEET NO. 174
CONTRACT NO. 63515			ILLINOIS FED. AID PROJECT	

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

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

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: 12/19/2012 4:32:24 PM
 CLIENT: 080622-PR35pwrts.dgn
 FILE NAME: pcf_dw_no_leveling.ctb
 PLOT DRIVER: standard.ctb
 PEN TABLE: standard.ctb



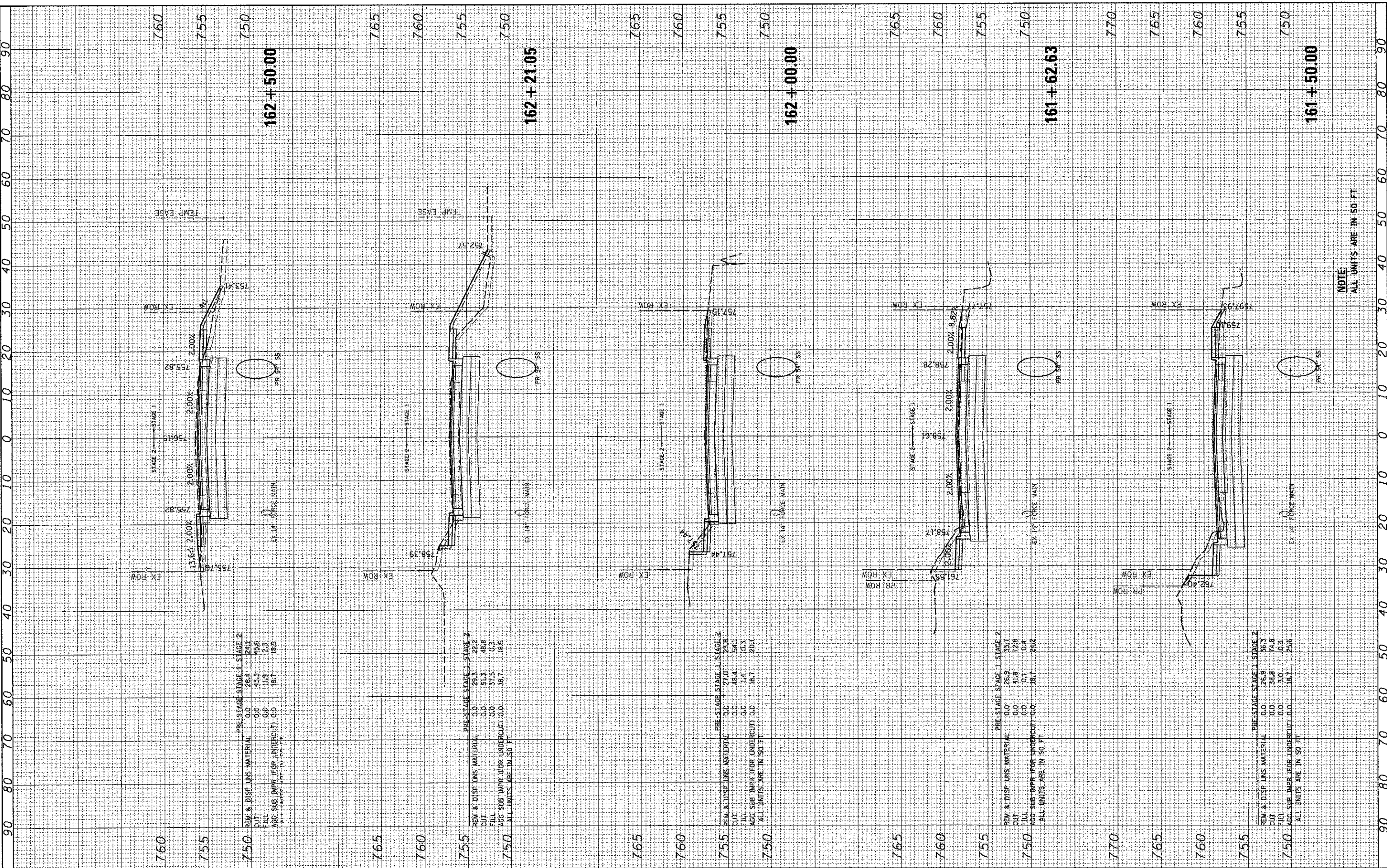
NOTE
ALL UNITS ARE IN SQ. FT.

USER NAME = jattena PLOT SCALE = 1"=10' PLOT DATE = 12/19/2012	DESIGNED - JRM DRAWN - SMP CHECKED - TH DATE - 12/19/12	REVISED - REVISED - REVISED - REVISED -	MCHENRY COUNTY DIVISION OF TRANSPORTATION	CROSS SECTIONS JOHNSBURG ROAD	SCALE: 1"=10' SHEET NO. 26 OF 32 SHEETS STA. 160+38.52 TO STA. 161+19.75	F.A. R.T.E. 168 SECTION 05-00314-00-WR COUNTY MCHENRY CONTRACT NO. 63515 ILLINOIS FED. AID PROJECT	TOTAL SHEETS 187 SHEET NO. 176 CONTRACT NO. 63515
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FINAL SURVEY	BY	DATE
SURVEY PLOTTED		
NOTE BOOK		
NO. AREAS CHECKED		

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

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: JRM
 CLIENT: MCHENRY COUNTY
 DATE PLOTTED: 12/19/2012 4:53:30 PM
 FILE NAME: 050022-PR050018.dgn
 PLOT DRIVER: pct.dwg, no, areadpct.dwg
 PLOT TABLE: Standard.ctb



PRE-STAGE STAGE 1 STAGE 2

REM & DISP UNS MATERIAL	0.0	26.1	24.1
CUT	0.0	43.3	45.6
FILL	0.0	11.9	2.3
AGG SUB IMPR (FOR UNDERCUT)	0.0	18.7	18.5
ALL UNITS ARE IN SQ FT			

PRE-STAGE STAGE 1 STAGE 2

REM & DISP UNS MATERIAL	0.0	29.3	22.2
CUT	0.0	51.3	48.8
FILL	0.0	37.5	0.3
AGG SUB IMPR (FOR UNDERCUT)	0.0	18.7	18.5
ALL UNITS ARE IN SQ FT			

PRE-STAGE STAGE 1 STAGE 2

REM & DISP UNS MATERIAL	0.0	27.0	24.1
CUT	0.0	48.4	54.1
FILL	0.0	1.4	0.3
AGG SUB IMPR (FOR UNDERCUT)	0.0	18.7	20.1
ALL UNITS ARE IN SQ FT			

PRE-STAGE STAGE 1 STAGE 2

REM & DISP UNS MATERIAL	0.0	26.9	26.3
CUT	0.0	38.8	36.8
FILL	0.0	3.0	0.3
AGG SUB IMPR (FOR UNDERCUT)	0.0	18.7	25.6
ALL UNITS ARE IN SQ FT			

HRGreen.com
 Illinois Professional Design Firm
 #184-001322

USER NAME = jastone
DESIGNED - JRM
DRAWN - SMP
CHECKED - TH
DATE - 12/19/2012
PLOT SCALE = 1"=10'
PLOT DATE = 12/19/2012

REVISED -
REVISED -
REVISED -
REVISED -

DESIGNED - JRM
DRAWN - SMP
CHECKED - TH
DATE - 12/19/2012

MCHENRY COUNTY
DIVISION OF TRANSPORTATION

CROSS SECTIONS
JOHNSBURG ROAD
 SCALE: 1"=10' SHEET NO. 27 OF 32 SHEETS STA. 161+50.00 TO STA. 162+50.00

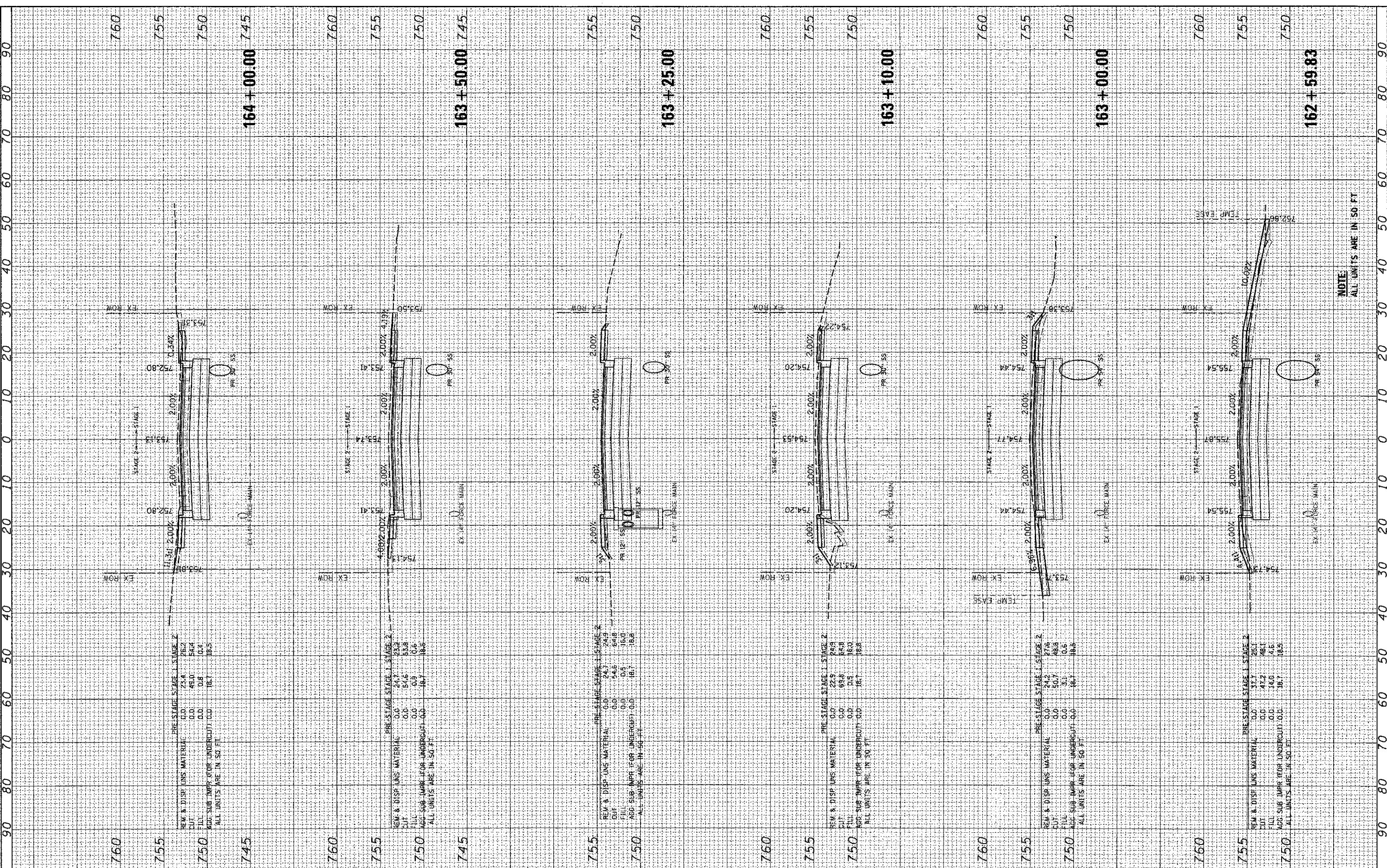
F.A. RTE. 168	SECTION 05-00314-0G-WR	COUNTY MCHENRY	TOTAL SHEETS 187	SHEET NO. 177
CONTRACT NO. 63515			ILLINOIS FED. AID PROJECT	

NOTE:
 ALL UNITS ARE IN SQ. FT.

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

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

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: J. J. ALSTEDT
 CLIENT: MCHENRY COUNTY
 DATE: 12/19/2012
 PLOT NUMBER: 05-00314-00-WR
 PEN TABLE: 63515



USER NAME	= jastane
DESIGNED	- JRM
DRAWN	- SMP
CHECKED	- TH
DATE	- 12/19/2012

REVISION	-	REVISION	-
REVISION	-	REVISION	-
REVISION	-	REVISION	-
REVISION	-	REVISION	-

**MCHENRY COUNTY
DIVISION OF TRANSPORTATION**

**CROSS SECTIONS
JOHNSBURG ROAD**

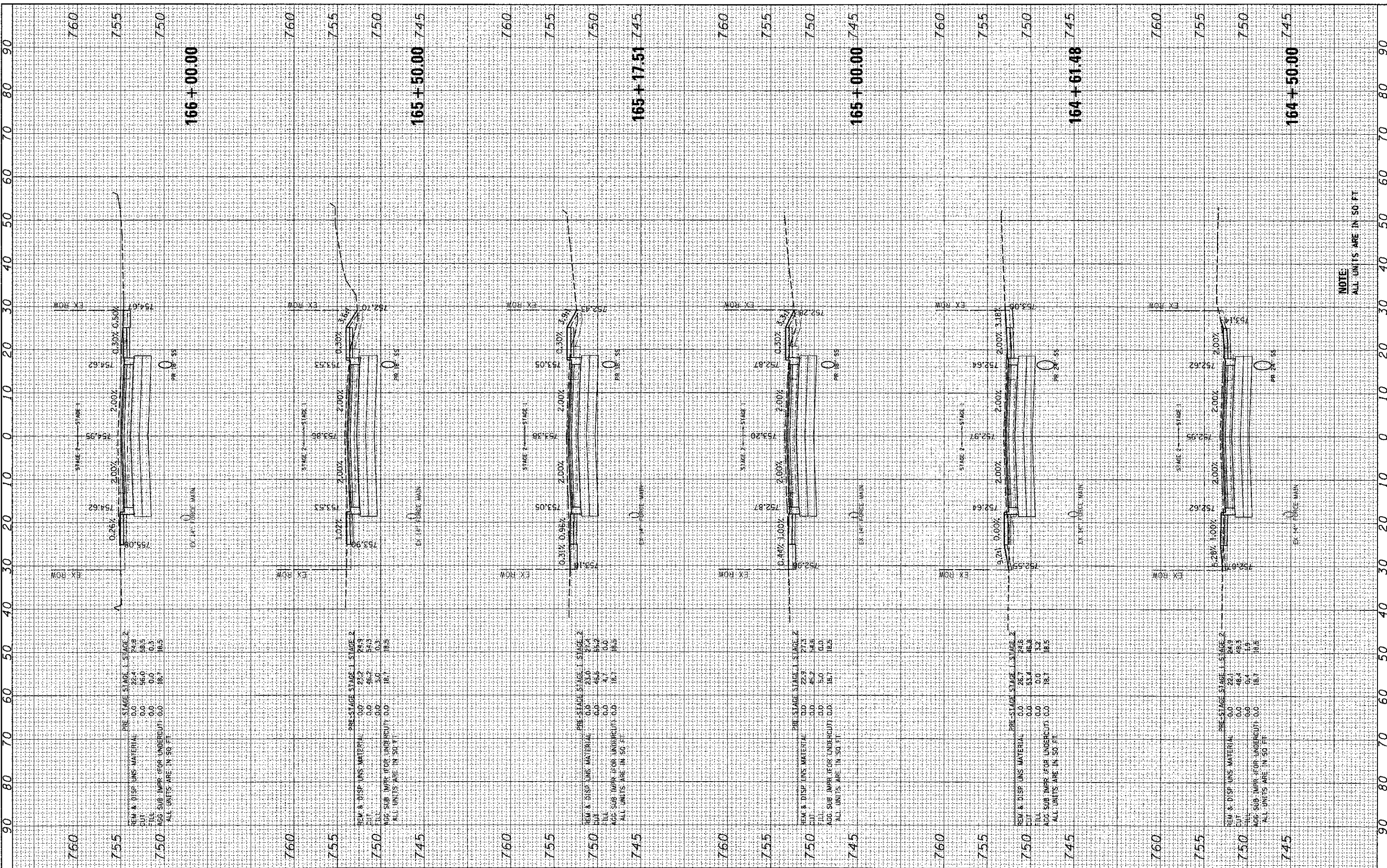
SCALE: 1"=10' SHEET NO. 28 OF 32 SHEETS STA. 162+59.83 TO STA. 164+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	178
CONTRACT NO.			63515	
ILLINOIS FED. AID PROJECT				

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

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

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: jstana
 CLIENT: MCHENRY COUNTY
 DATE PLOTTED: 12/19/2012 4:34:42 PM
 PLOT SCALE: 1"=10'
 PLOT DATE: 12/19/2012



PRE-STAGE STAGE 1 STAGE 2

REM & DISP UNS MATERIAL	0.0	22.4	24.8
CUT	0.0	56.0	58.5
FILL	0.0	0.0	0.3
AGG SUB IMPR (FOR UNDERCUT)	0.0	18.7	18.5

ALL UNITS ARE IN 50 FT

PRE-STAGE STAGE 1 STAGE 2

REM & DISP UNS MATERIAL	0.0	23.2	24.9
CUT	0.0	46.2	49.3
FILL	0.0	5.0	0.3
AGG SUB IMPR (FOR UNDERCUT)	0.0	18.7	18.5

ALL UNITS ARE IN 50 FT

PRE-STAGE STAGE 1 STAGE 2

REM & DISP UNS MATERIAL	0.0	23.0	22.4
CUT	0.0	46.5	54.2
FILL	0.0	4.7	0.0
AGG SUB IMPR (FOR UNDERCUT)	0.0	18.7	18.5

ALL UNITS ARE IN 50 FT

PRE-STAGE STAGE 1 STAGE 2

REM & DISP UNS MATERIAL	0.0	22.9	27.3
CUT	0.0	45.2	54.8
FILL	0.0	5.0	0.0
AGG SUB IMPR (FOR UNDERCUT)	0.0	18.7	18.5

ALL UNITS ARE IN 50 FT

PRE-STAGE STAGE 1 STAGE 2

REM & DISP UNS MATERIAL	0.0	26.7	24.8
CUT	0.0	53.4	45.8
FILL	0.0	0.0	3.2
AGG SUB IMPR (FOR UNDERCUT)	0.0	18.7	18.5

ALL UNITS ARE IN 50 FT

PRE-STAGE STAGE 1 STAGE 2

REM & DISP UNS MATERIAL	0.0	22.1	24.9
CUT	0.0	48.4	48.3
FILL	0.0	0.4	1.9
AGG SUB IMPR (FOR UNDERCUT)	0.0	18.7	18.5

ALL UNITS ARE IN 50 FT

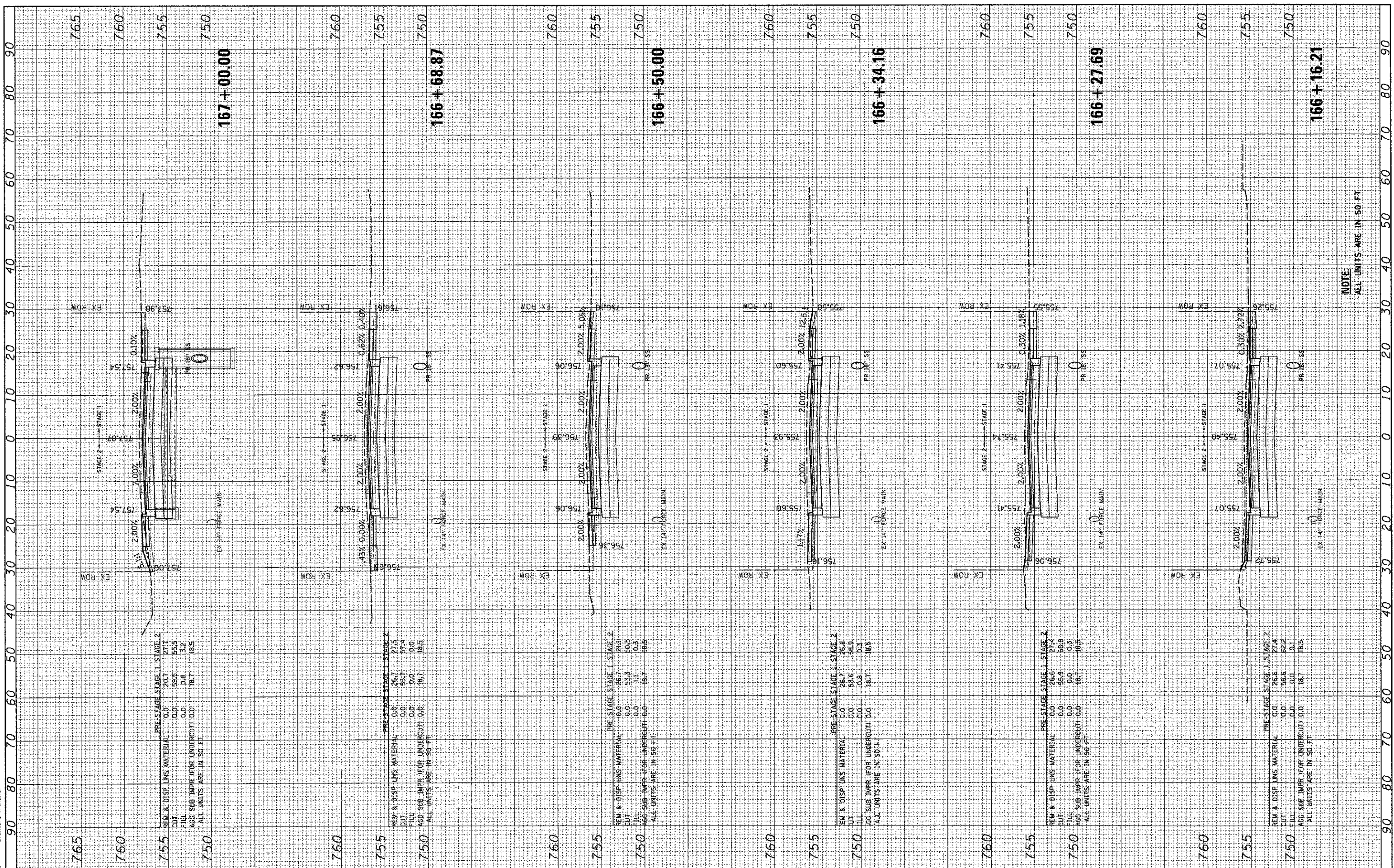
	USER NAME = jstana PLOT SCALE = 1"=10' PLOT DATE = 12/19/2012	DESIGNED - JRM DRAWN - SMP CHECKED - TH DATE - 12/19/12	REVISED - REVISED - REVISED - REVISED -	MCHENRY COUNTY DIVISION OF TRANSPORTATION		CROSS SECTIONS JOHNSBURG ROAD		F.A. RTE. 168 SECTION 05-00314-00-WR COUNTY MCHENRY CONTRACT NO. 63515	TOTAL SHEETS 187 SHEET NO. 179
	SCALE: 1"=10' SHEET NO. 29 OF 32 SHEETS STA. 164+50.00 TO STA. 166+00.00				ILLINOIS FED. AID PROJECT				

NOTE:
ALL UNITS ARE IN 50 FT

FINAL SURVEY	BY	DATE
PLOTTED		
NOTE BOOK		
AREAS CHECKED		
NO.		

ORIGINAL SURVEY	BY	DATE
TEMPLATE		
NOTE BOOK		
AREAS CHECKED		
NO.		

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: 12/19/2012 4:24:49 PM
 DATE PLOTTED: 08/02/2012
 FILE NAME: 08022-PROJ-Sheets.dgn
 PLOT DRIVER: pdf, dw, no, level, plot, fig
 PEN TABLE: standard-11, none, 1b)



PRE-STAGE STAGE 1 STAGE 2

REM. & DISP. LINS. MATERIAL	0.0	20.7	27.7
CUT	0.0	59.5	55.5
FILL	0.0	0.0	3.2
AGE SUB. IMPR. (FOR UNDERCUT)	0.0	18.7	18.5

ALL UNITS ARE IN SQ. FT.

PRE-STAGE STAGE 1 STAGE 2

REM. & DISP. LINS. MATERIAL	0.0	26.7	27.5
CUT	0.0	49.1	57.4
FILL	0.0	0.0	0.0
AGE SUB. IMPR. (FOR UNDERCUT)	0.0	16.7	18.5

ALL UNITS ARE IN SQ. FT.

PRE-STAGE STAGE 1 STAGE 2

REM. & DISP. LINS. MATERIAL	0.0	26.7	24.1
CUT	0.0	53.9	50.5
FILL	0.0	1.1	0.3
AGE SUB. IMPR. (FOR UNDERCUT)	0.0	16.7	16.5

ALL UNITS ARE IN SQ. FT.

PRE-STAGE STAGE 1 STAGE 2

REM. & DISP. LINS. MATERIAL	0.0	26.7	26.8
CUT	0.0	53.6	48.9
FILL	0.0	-0.8	0.3
AGE SUB. IMPR. (FOR UNDERCUT)	0.0	18.7	18.5

ALL UNITS ARE IN SQ. FT.

PRE-STAGE STAGE 1 STAGE 2

REM. & DISP. LINS. MATERIAL	0.0	26.6	27.4
CUT	0.0	55.9	50.8
FILL	0.0	0.0	0.3
AGE SUB. IMPR. (FOR UNDERCUT)	0.0	16.7	16.5

ALL UNITS ARE IN SQ. FT.

PRE-STAGE STAGE 1 STAGE 2

REM. & DISP. LINS. MATERIAL	0.0	26.6	27.4
CUT	0.0	56.6	52.2
FILL	0.0	0.0	0.1
AGE SUB. IMPR. (FOR UNDERCUT)	0.0	18.7	18.5

ALL UNITS ARE IN SQ. FT.

HRGreen.com
 Illinois Professional Design Firm
 # 180-011022

USER NAME = jactana
PLOT SCALE = 1"=10'
PLOT DATE = 12/19/2012

DESIGNED - JRM	REVISED -
DRAWN - SMP	REVISED -
CHECKED - TH	REVISED -
DATE - 12/19/12	REVISED -

**MCHENRY COUNTY
 DIVISION OF TRANSPORTATION**

**CROSS SECTIONS
 JOHNSBURG ROAD**

SCALE: 1"=10' SHEET NO. 30 OF 32 SHEETS STA. 166+16.21 TO STA. 167+00.00

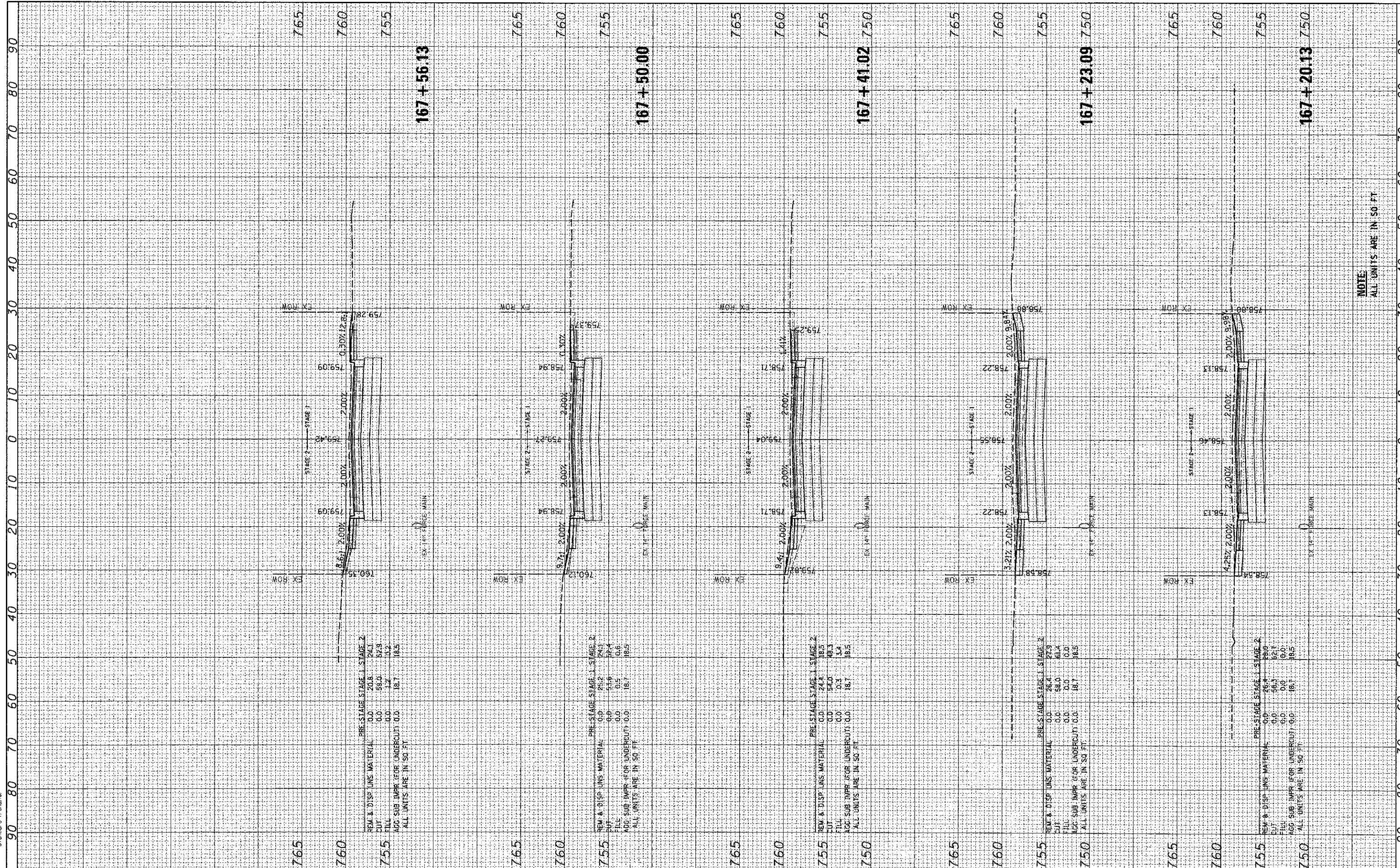
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	180
CONTRACT NO. 63515			ILLINOIS FED. AID PROJECT	

NOTE:
 ALL UNITS ARE IN SQ. FT.

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

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

COMPANY NAME: HRCGreen.com
 CLIENT CONTACT: 12/19/2012 4:15:46 PM
 DATE PLOTTED: 09/02/2012 10:58:00 AM
 FILE NAME: 167+20.13.dwg
 PLOT DRIVER: plot.dwg
 PLOT TABLE: 167+20.13.tbl



167+56.13

PRE-STAGE	STAGE 1	STAGE 2
REM & DISP UNS. MATERIAL	0.0	20.8
CUT	0.0	59.0
FILL	0.0	1.2
AGG SUB IMPR. (FOR UNDERCUT)	0.0	18.7
AGG SUB IMPR. (FOR UNDERCUT)	0.0	18.5

ALL UNITS ARE IN SQ. FT.

167+50.00

PRE-STAGE	STAGE 1	STAGE 2
REM & DISP UNS. MATERIAL	0.0	24.4
CUT	0.0	50.6
FILL	0.0	0.5
AGG SUB IMPR. (FOR UNDERCUT)	0.0	16.7
AGG SUB IMPR. (FOR UNDERCUT)	0.0	18.5

ALL UNITS ARE IN SQ. FT.

167+41.02

PRE-STAGE	STAGE 1	STAGE 2
REM & DISP UNS. MATERIAL	0.0	24.4
CUT	0.0	54.0
FILL	0.0	0.3
AGG SUB IMPR. (FOR UNDERCUT)	0.0	18.7
AGG SUB IMPR. (FOR UNDERCUT)	0.0	18.5

ALL UNITS ARE IN SQ. FT.

167+23.09

PRE-STAGE	STAGE 1	STAGE 2
REM & DISP UNS. MATERIAL	0.0	28.4
CUT	0.0	88.0
FILL	0.0	61.4
AGG SUB IMPR. (FOR UNDERCUT)	0.0	18.7
AGG SUB IMPR. (FOR UNDERCUT)	0.0	18.5

ALL UNITS ARE IN SQ. FT.

167+20.13

PRE-STAGE	STAGE 1	STAGE 2
REM & DISP UNS. MATERIAL	0.0	45.4
CUT	0.0	46.3
FILL	0.0	52.7
AGG SUB IMPR. (FOR UNDERCUT)	0.0	18.7
AGG SUB IMPR. (FOR UNDERCUT)	0.0	18.5

ALL UNITS ARE IN SQ. FT.

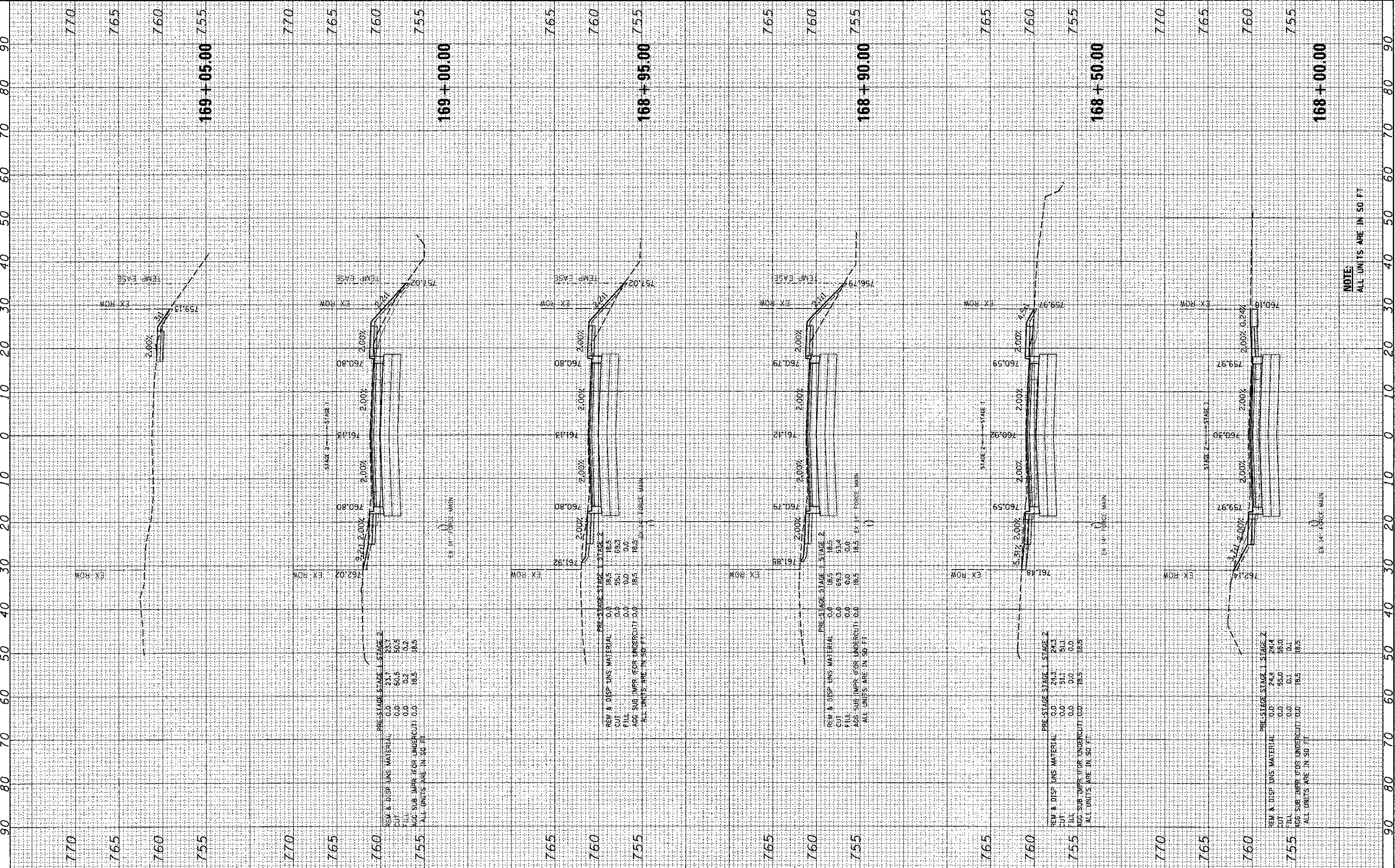
NOTE:
ALL UNITS ARE IN 50 FT

	USER NAME = jattano	DESIGNED - JRM	REVISED -	MCHENRY COUNTY DIVISION OF TRANSPORTATION	CROSS SECTIONS JOHNSBURG ROAD	SCALE: 1"=10' SHEET NO. 31 OF 32 SHEETS STA. 167+20.13 TO STA. 167+56.13	F.A. RTE. 168	SECTION 05-00314-00-WR	COUNTY MCHENRY	TOTAL SHEETS 187	SHEET NO. 181
	PLOT SCALE = 1"=10'	CHECKED - TH	REVISED -				CONTRACT NO. 63515	ILLINOIS FED. AID PROJECT			
	PLOT DATE = 12/19/2012	DATE = 12/19/12	REVISED -								

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: 12/19/2012 4:40:22 PM
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 DATE PLOTTED: 12/19/2012 4:40:22 PM
 FILE NAME: 08062-PPAScheffels.dwg
 PLOT DRIVER: pdf_writer.exe
 PEN TABLE: standard.ctb

ORIGINAL SURVEY PLOTTED
 SURVEY PLOTTED
 NOTE BOOK AREAS CHECKED

FINAL SURVEY PLOTTED
 SURVEY PLOTTED
 NOTE BOOK AREAS CHECKED



NOTE:
 ALL UNITS ARE IN SQ FT

HRGreen.com
 11111 Professional Design Firm
 # 184-001322

USER NAME = jattana
 DESIGNED - JRM
 DRAWN - SMP
 CHECKED - TH
 DATE - 12/19/12

REVISED -
 REVISED -
 REVISED -
 REVISED -

MCHENRY COUNTY
 DIVISION OF TRANSPORTATION

CROSS SECTIONS
 JOHNSBURG ROAD

SCALE: 1"=10'
 SHEET NO. 32 OF 32 SHEETS
 STA. 168+00.00 TO STA. 169+05.00

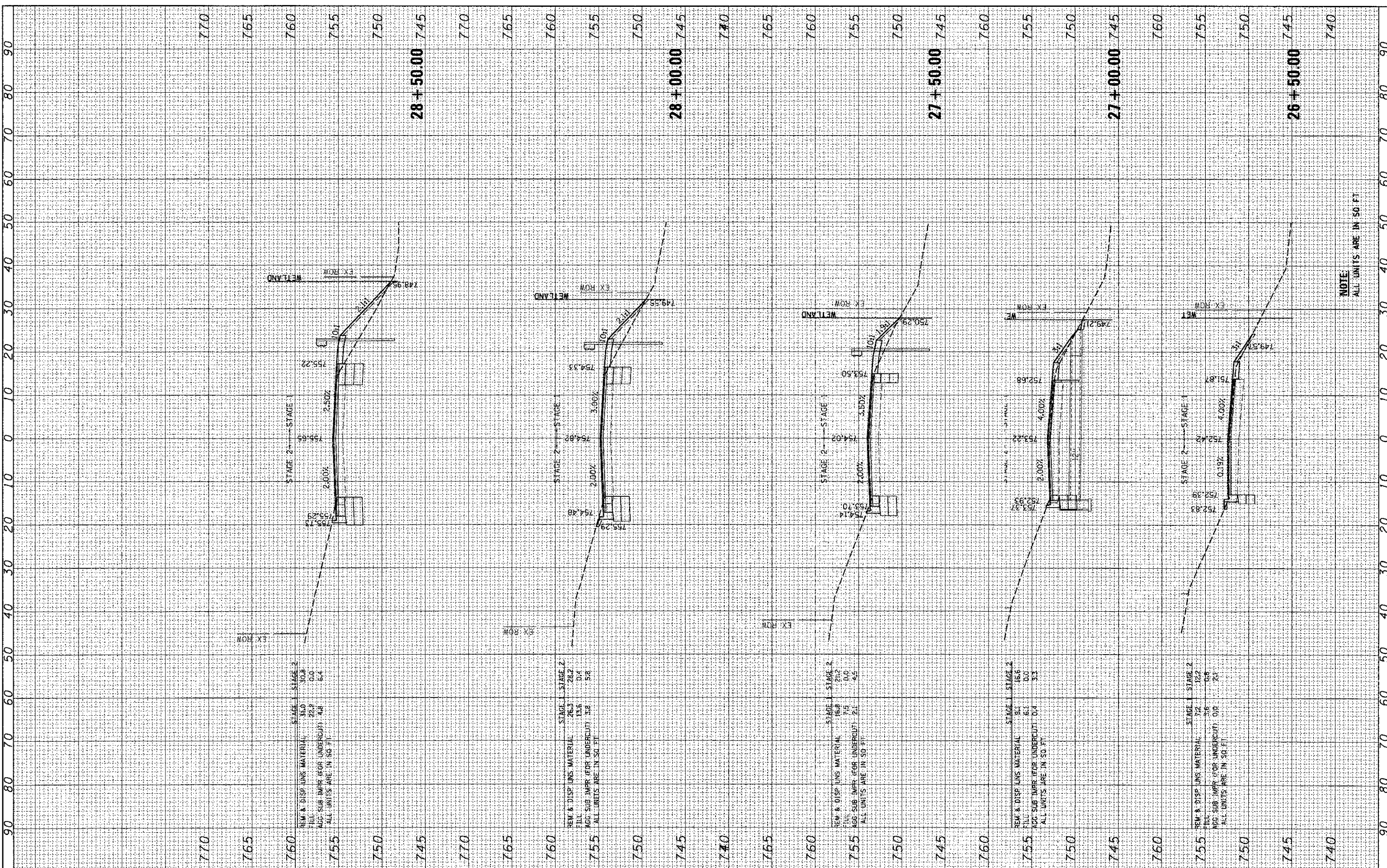
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	182
			CONTRACT NO.	63515

ILLINOIS FED. AID PROJECT

FINAL SURVEY	BY	DATE
SURVEYED		
NOTE BOOK		
AREAS CHECKED		
NO.		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
NOTE BOOK		
AREAS CHECKED		
NO.		

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: Blinnz Professional Design Firm #184-001322
 CLIENT: 12/19/2012 4:16:05 PM
 DATE PLOTTED: 09/02/2012 10:10:10 AM
 FILE NAME: 05-00314-00-WR
 PLOT DRIVER: pldrvr.exe
 PEN TABLE: standard.ctb



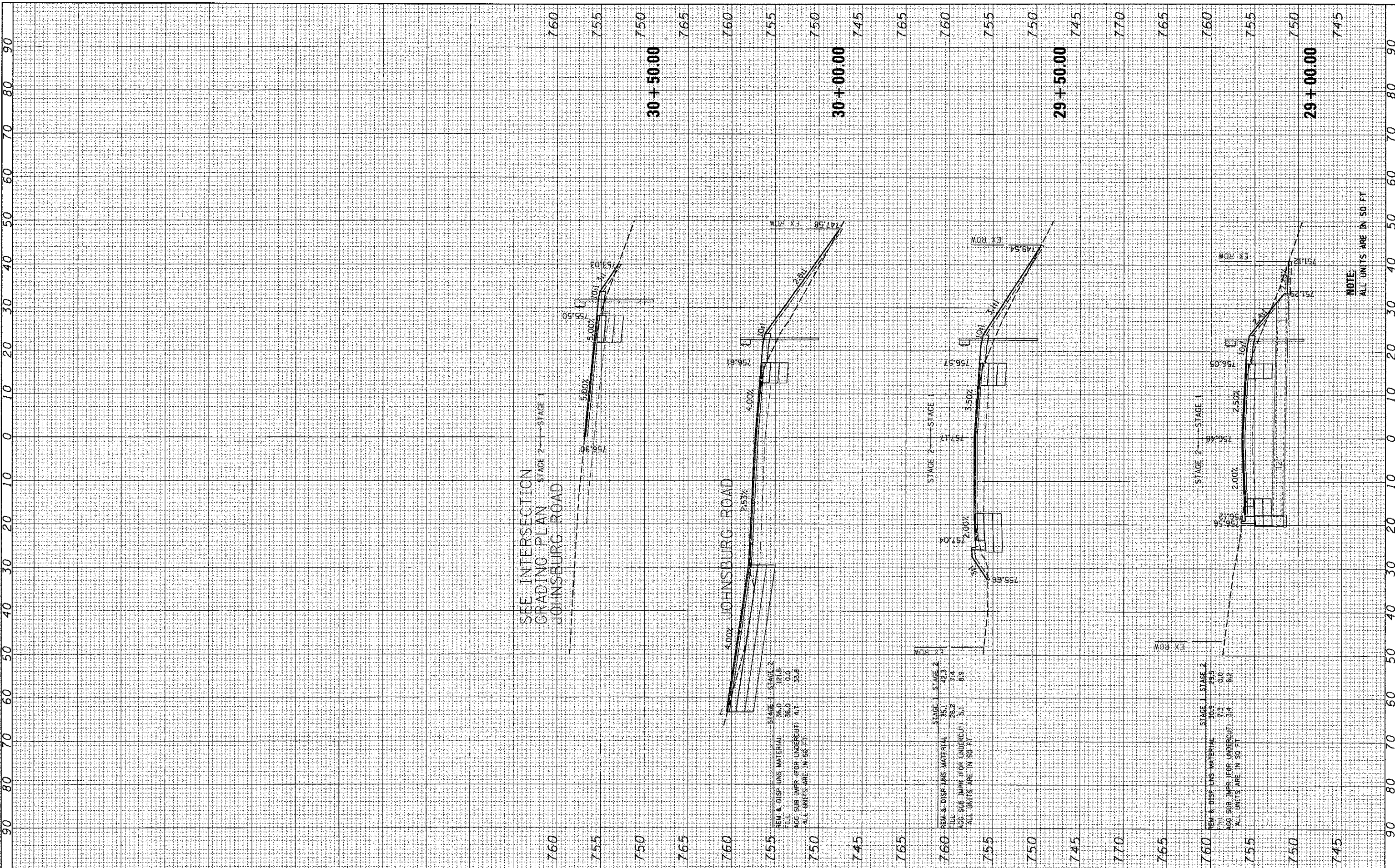
NOTE
ALL UNITS ARE IN 50 FT

	USER NAME = jattene DESIGNED - JRM DRAWN - SMP CHECKED - TH DATE - 12/19/12	REVISED - REVISED - REVISED - REVISED -	MCHENRY COUNTY DIVISION OF TRANSPORTATION	CROSS SECTIONS RIVERSIDE DRIVE	SCALE: 1"=10' SHEET NO. 1 OF 2 SHEETS STA. TO STA.	F.A. RTE. 168 SECTION 05-00314-00-WR COUNTY MCHENRY CONTRACT NO. 63515 ILLINOIS FED. AID PROJECT	TOTAL SHEETS 187 SHEET NO. 183
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FINAL SURVEY	DATE
CHECKED	BY
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS	
AREAS CHECKED	

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

PROJECT CONTACT:
 CLIENT: 12/19/2012 6:14:14 PM
 DATE PLOTTED: 00:25:33
 PLOT DRIVER: C:\Program Files\Autodesk\AutoCAD 2011\Plot\Plotter\Plotter1.ctb
 PEN TABLE: Standard.ctb



SEE INTERSECTION
 GRADING PLAN STAGE 2
 JOHN SBURG ROAD

STAGE	1	2
REM & DISP LINS MATERIAL	36.0	121.6
ILL	36.0	0.0
AGG SUB IMPR (FOR UNDERCUT)	4.7	33.8
ALL UNITS ARE IN SQ. FT.		

STAGE	1	2
REM & DISP LINS MATERIAL	26.2	7.4
ILL	26.2	0.0
AGG SUB IMPR (FOR UNDERCUT)	5.1	8.9
ALL UNITS ARE IN SQ. FT.		

STAGE	1	2
REM & DISP LINS MATERIAL	30.9	79.3
ILL	30.9	0.0
AGG SUB IMPR (FOR UNDERCUT)	3.4	8.9
ALL UNITS ARE IN SQ. FT.		

NOTE:
 ALL UNITS ARE IN 50 FT

HRGreen.com
 Illinois Professional Design Firm
 # 184-001922

USER NAME = jastana
DESIGNED - JRM
DRAWN - SMP
CHECKED - TH
DATE - 12/19/12
PLLOT SCALE = 1"=10'
PLLOT DATE = 12/19/2012

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REVISD -
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**MCHENRY COUNTY
 DIVISION OF TRANSPORTATION**

**CROSS SECTIONS
 RIVERSIDE DRIVE**

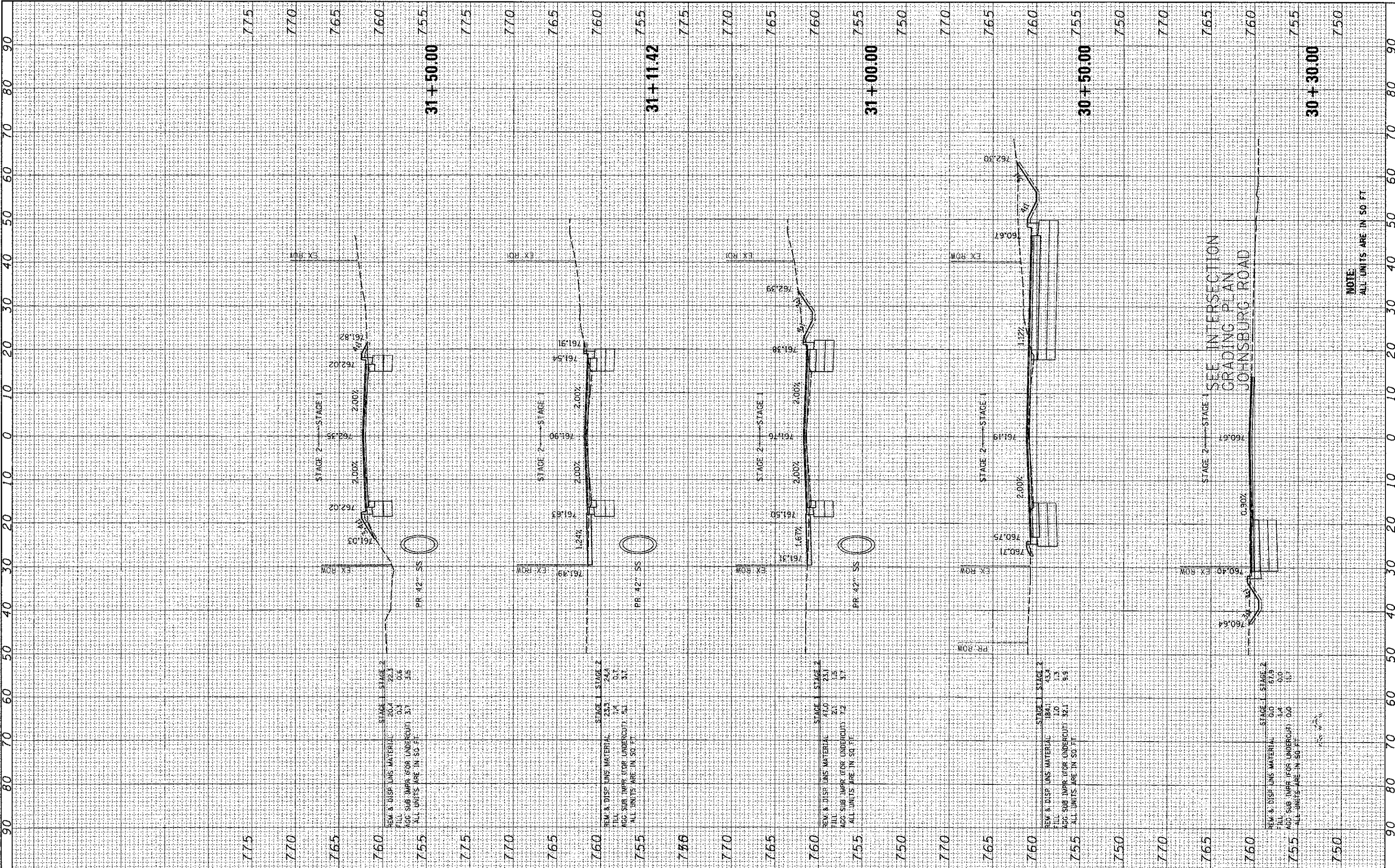
SCALE: 1"=10' SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	184
CONTRACT NO. 63515				
ILLINOIS FED. AID PROJECT				

FINAL SURVEYS	BY	DATE
SHEET		
NOTED		
NOTE BOOK		
AREAS CHECKED		
NO.		

ORIGINAL SURVEY	BY	DATE
PLOTTED		
TEMPLATE		
AREAS CHECKED		
NO.		

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: jsterna
 CLIENT: MCHENRY COUNTY
 FILE NAME: 05-00314-00-WR
 PLOT DEVICE: HP DesignJet 5000
 PLOT TABLE: standard.ctb



NOTE:
ALL UNITS ARE IN 50 FT

DESIGNED -	JRM
DRAWN -	SMP
CHECKED -	TH
DATE -	12/19/12

USER NAME -	jsterna
DESIGNED -	JRM
DRAWN -	SMP
CHECKED -	TH
DATE -	12/19/12

REVISIONS	
NO.	DESCRIPTION
1	
2	
3	
4	
5	

MCHENRY COUNTY
DIVISION OF TRANSPORTATION

CROSS SECTIONS
SPRING GROVE ROAD

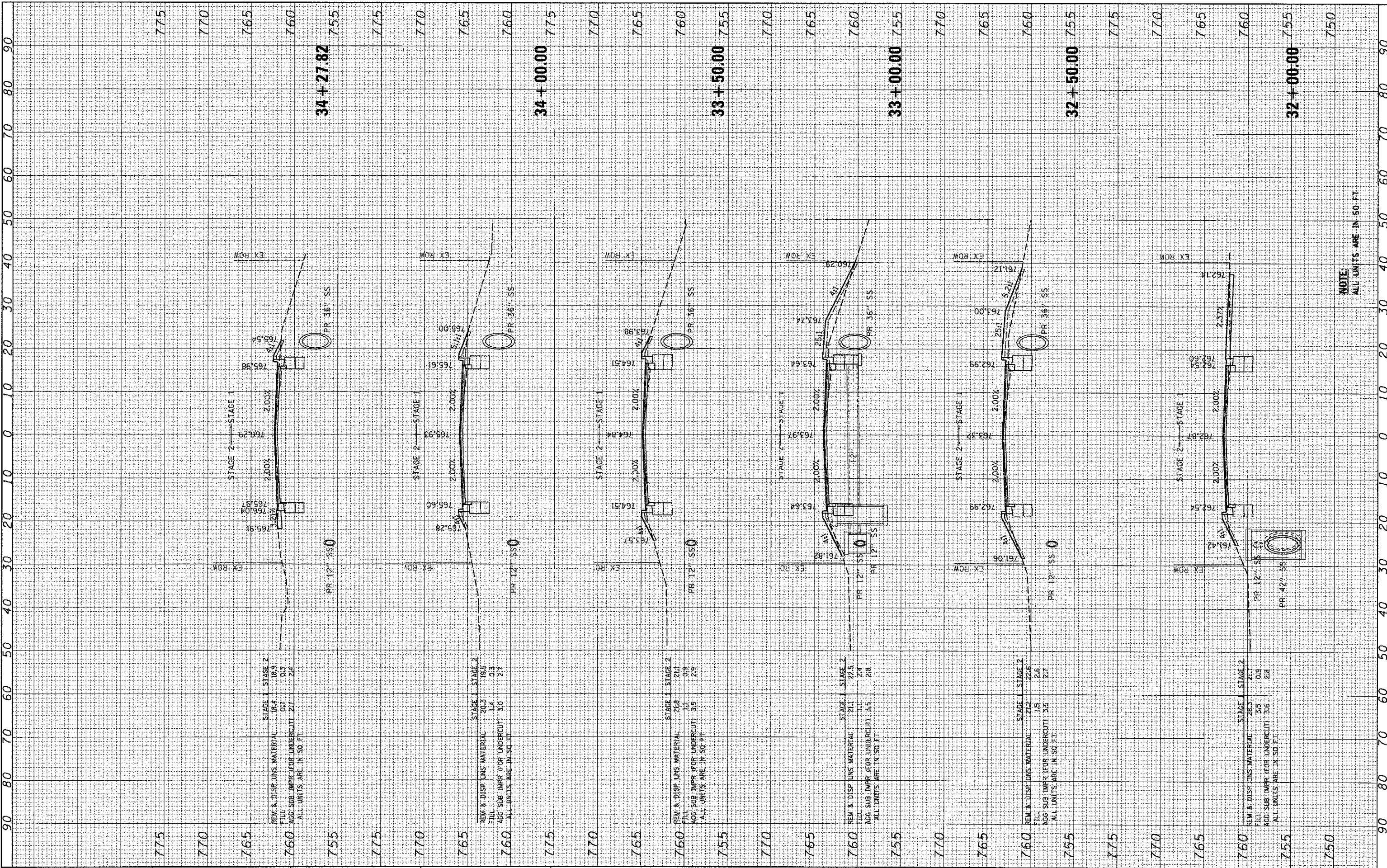
SCALE: 1"=10'
 SHEET NO. 1 OF 3 SHEETS
 STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	185
			CONTRACT NO. 63515	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	BY	DATE
SURVEY		
NOTE BOOK		
TEMPLATE		
AREAS CHECKED		

ORIGINAL SURVEY	BY	DATE
SURVEY		
NOTE BOOK		
TEMPLATE		
AREAS CHECKED		

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: Jettana
 CLIENT: MCHENRY COUNTY
 DATE PLOTTED: 12/19/2012 4:46:29 PM
 PLOT SCALE: 1"=10'
 PLOT DIBLER: Jettana
 PEN TABLE: Standard



USER NAME	USER NAME = jettana
DESIGNED	DESIGNED - JRM
DRAWN	DRAWN - SMP
CHECKED	CHECKED - TH
DATE	DATE - 12/19/12

REVISED	REVISED -
REVISED	REVISED -
REVISED	REVISED -

**MCHENRY COUNTY
DIVISION OF TRANSPORTATION**

**CROSS SECTIONS
SPRING GROVE ROAD**

SCALE: 1"=10' SHEET NO. 2 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	186
CONTRACT NO. 63515			ILLINOIS FED. AID PROJECT	

NOTE:
ALL UNITS ARE IN SQ. FT.

