

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	12-00014-00-CH	WILL	66	1
FED. ROAD DIST. NO 1	ILLINOIS	CONTRACT NO. 63888		

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

TRAFFIC DATA

ADT:			
151ST ST.	5,850 VPD (2011)	9,000 VPD (2040)	
PARKER RD.	6,200 VPD (2011)	15,000 VPD (2040)	

POSTED SPEED

151ST ST.	45 MPH
PARKER RD.	40 MPH

DESIGN SPEED

151ST ST.	50 MPH
PARKER RD.	45 MPH

DESIGN DESIGNATION

FAU 3771 (151ST STREET) - COLLECTOR
FAU 3763 (PARKER ROAD) - MINOR ARTERIAL

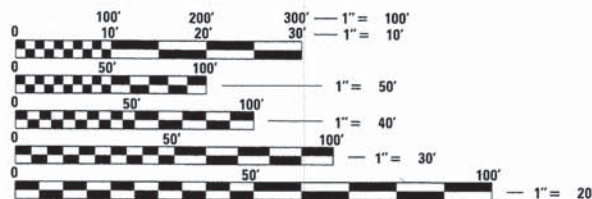
PLANS FOR PROPOSED FEDERAL-AID HIGHWAY

FAU 3771 (151ST STREET) AT FAU 3763 (PARKER ROAD)
INTERSECTION IMPROVEMENTS
SECTION: 12-00014-00-CH
PROJECT: M-4003 (144)
VILLAGE OF HOMER GLEN
WILL COUNTY
JOB: C-91-156-13



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

Know what's below. Call before you dig.



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

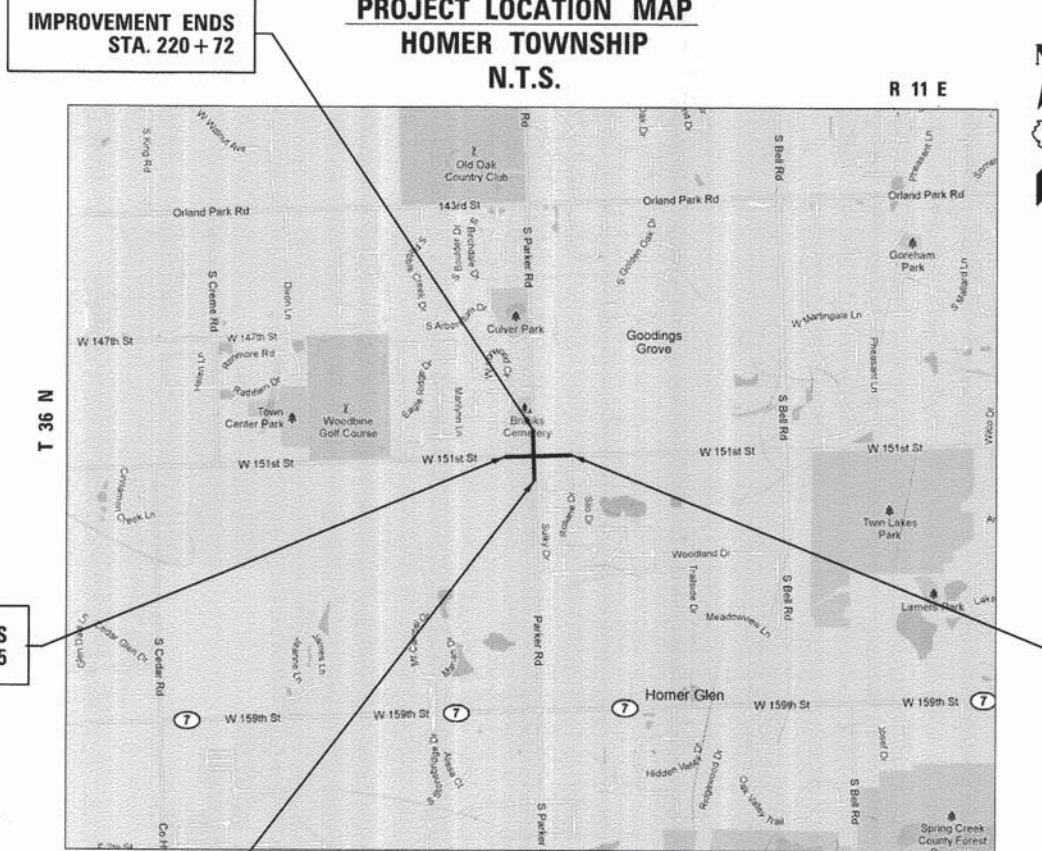
PROJECT LOCATED IN THE VILLAGE OF HOMER GLEN

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

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

PROJECT ENGINEER: J. STRZALKA
PROJECT MANAGER: A. CHAUDHRY
CONTRACT NO. 63888

PROJECT LOCATION MAP
HOMER TOWNSHIP
N.T.S.



IMPROVEMENT ENDS STA. 220 + 72

IMPROVEMENT BEGINS STA. 101 + 85

IMPROVEMENT BEGINS STA. 203 + 42

IMPROVEMENT ENDS STA. 118 + 64

PROJECT LENGTH
NET AND GROSS LENGTH OF IMPROVEMENT = 3,409 FT. = 0.65 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED December 4, 2013
Cameron Davis
VILLAGE OF HOMER GLEN

PASSED December 17, 2013
John C. Hilt
DISTRICT ONE ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW December 17, 2013
John Fortmann
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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PROGRAM AND OFFICE ENGINEER: CHARLES F. RIDDLE, P.E. 847-705-4406 SCHAUMBURG, IL

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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 R.O.W. AND FACE OF CURB < 15'(4.5m)
BD-03	OUTLET FOR CONCRETE CURB AND GUTTER
BD-22	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
BD-32	BUTT JOINT AND HMA TAPER DETAILS
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TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-11	RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-16	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
TC-22	ARTERIAL ROAD INFORMATION SIGN
TS-05	STANDARD TRAFFIC SIGNAL DESIGN DETAILS (6 SHEETS)

STATE STANDARDS

STANDARD NO.	LIST OF DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
406201-01	MAILBOX TURNOUT
424001-07	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
482011-03	HMA SHLD. STRIPS/SHLDS. WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
602001-02	CATCH BASIN TYPE A
602406-06	MANHOLE, TYPE A, 6' DIAMETER
602416-04	MANHOLE, TYPE A, 8' DIAMETER
602601-03	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-03	FRAME AND LIDS, TYPE 1
604036-02	GRATE TYPE 8
604051-03	FRAME AND GRATE TYPE 11
606001-05	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 M) AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24' (600 MM) FROM PAVEMENT EDGE
701011-04	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS >= 45 MPH
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
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701701-09	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-05	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-03	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)
780001-04	TYPICAL PAVEMENT MARKINGS
814001-02	HANDHOLES
814006-02	DOUBLE HANDHOLES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASES SEQUENCES
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
877011-05	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
878001-09	CONCRETE FOUNDATION DETAILS
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

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 PROJECT CONTACT: HRGreen.com
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PLOT DATE = 12/4/2013	DATE - 12/4/13	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

INDEX OF SHEETS, STATE STANDARDS AND DISTRICT ONE DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	12-00014-00-CH	WILL	66	2
*	FAU 3771, FAU 3763	CONTRACT NO.	63888	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

GENERAL NOTES

- ALL REFERENCES TO "STANDARD SPECIFICATIONS" IN THESE GENERAL NOTES SHALL BE INTERPRETED TO MEAN "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION, JANUARY 1, 2012. ALL WORK TO BE COMPLETED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
- ALL REFERENCES TO "ENGINEER" SHALL BE INTERPRETED TO MEAN THE RESIDENT ENGINEER.
- PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AFFECTING THEIR WORK WITH THE ACTUAL CONDITIONS AT THE JOB SITE. IF THERE ARE ANY DISCREPANCIES FROM WHAT IS SHOWN ON THE CONSTRUCTION PLANS, HE MUST IMMEDIATELY REPORT SAME TO THE ENGINEER BEFORE DOING ANY WORK, OTHERWISE THE CONTRACTOR ASSUMES FULL RESPONSIBILITY. IN THE EVENT OF DISAGREEMENT BETWEEN THE CONSTRUCTION PLANS, STANDARD SPECIFICATIONS AND/OR SPECIAL DETAILS, THE CONTRACTOR SHALL SECURE WRITTEN INSTRUCTIONS FROM THE ENGINEER PRIOR TO PROCEEDING WITH ANY PART OF THE WORK AFFECTED BY OMISSIONS OR DISCREPANCIES. FAILING TO SECURE SUCH INSTRUCTIONS, THE CONTRACTOR WILL BE CONSIDERED TO HAVE PROCEEDED AT HIS OWN RISK AND EXPENSE. IN THE EVENT OF ANY DOUBT OR QUESTION ARISING WITH RESPECT TO THE TRUE MEANING OF THE CONSTRUCTION PLANS OR SPECIFICATIONS, THE DECISION OF THE ENGINEER SHALL BE FINAL AND CONCLUSIVE.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS PRIOR TO BIDDING ON THE PROJECT.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION) AT 8-1-1 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION IS REQUIRED).
- ALL ELEVATIONS SHOWN ON THE PLANS ARE ON THE NAVD 88 DATUM.
- THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS, PROPERTY CORNERS, AND REFERENCE MARKERS UNTIL THE OWNER, HIS AGENT, OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.
- ALL RADII FOR PROPOSED CURB AND GUTTER ARE TO THE EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED. CURB AND GUTTER ELEVATIONS SHOWN ALONG RETURNS AND AT POINTS OF CURVATURE, ETC. ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- OFFSET LOCATIONS GIVEN IN THE PLANS FOR STRUCTURES, EDGE OF PAVEMENT, ETC. ARE FROM THE ROADWAY CENTERLINE.
- SAW CUTTING OF PAVEMENTS, SIDEWALK, ETC. SHALL BE TO FULL DEPTH AND SHALL RESULT IN A CLEAN STRAIGHT EDGE ON THE PORTION REMAINING. ALL SAW CUTTING SHALL BE CONSIDERED INCLUDED IN THE ITEM REMOVED.
- DRIVEWAYS ARE TO BE CONSTRUCTED TO THE R.O.W. OR 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 INCLUDED IN THE CONTRACT UNIT PRICE FOR REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS.
- 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 CONTRACT UNIT PRICE FOR REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS. NO ADDITIONAL COMPENSATION WILL BE PROVIDED.
- STORM SEWERS, WATER MAINS, AND UTILITIES**
THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL UTILITIES PRIOR TO CONSTRUCTION TO DETERMINE THE LOCATION OF ALL UTILITY EQUIPMENT. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS IF UTILITY RELOCATION, ADJUSTMENT, OR PROTECTION IS NECESSARY.
- THE LOCATION OF EXISTING DRAINAGE STRUCTURES, STORM SEWERS, WATER MAINS, SANITARY SEWERS, AND ANY OTHER PUBLIC OR PRIVATE UTILITIES AS SHOWN ON THE PLANS IS APPROXIMATE AND THEIR EXACT LOCATION IS TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR. THIS WORK SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND AND SURFACE UTILITIES EVEN THOUGH THEY MIGHT NOT BE SHOWN ON THE PLANS. ANY UTILITY PROPERTY DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER AT THE CONTRACTOR'S EXPENSE.
- ALL UTILITY COMPANIES SHALL BE NOTIFIED AT LEAST 3 DAYS PRIOR TO THE START OF CONSTRUCTION.
- THE CONTRACTOR SHALL USE ALL NECESSARY PRECAUTIONS AND PROTECTION MEASURES REQUIRED TO MAINTAIN EXISTING UTILITIES, SEWERS, AND APPURTENANCES THAT MUST BE KEPT IN OPERATION.
- UNLESS OTHERWISE NOTED OFFSETS FOR DRAINAGE STRUCTURES LOCATED IN CURB AND GUTTER ARE TO THE EDGE OF PAVEMENT AND OFFSETS FOR DRAINAGE STRUCTURES NOT LOCATED IN THE CURB AND GUTTER ARE TO THE CENTER OF THE STRUCTURE.
- THE CONNECTION OF PROPOSED PIPES TO EXISTING STORM STRUCTURES WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE COST OF THE STORM SEWER BEING INSTALLED.

GENERAL NOTES (CONT.)

- STORM SEWERS, WATER MAINS, AND UTILITIES (CONT.)**
- 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.
 - STORM SEWER REMOVAL AND PIPE CULVERT REMOVAL WILL NOT BE PAID FOR SEPERATELY WHEN THE EXISTING PIPE IS IN THE SAME TRENCH AS THE PROPOSED PIPE. THE REMOVAL WILL BE INCLUDED IN THE COST OF THE PIPE BEING INSTALLED.

TRENCH BACKFILL REQUIRED TO FILL AREAS OF STORM SEWER OR PIPE CULVERT REMOVAL WHERE THERE IS NO REPLACEMENT WILL BE INCLUDED IN THE COST OF THE REMOVAL.
 - ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE STORM SEWERS BEING INSTALLED.
 - ALL STORM SEWER PIPES SHALL BE CLEANED PRIOR TO ACCEPTANCE BY THE VILLAGE. THE STORM SEWER WILL BE TELEVIEWED PRIOR TO ACCEPTANCE AND THE COST WILL BE INCLUDED IN THE UNIT PRICE OF THE STORM SEWERS BEING INSTALLED.
 - 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 HIGHWAY DEPARTMENT AT 14400 W. 151ST STREET, AS APPLICABLE.
 - ALL FRAMES WITH CLOSED LIDS TO BE FURNISHED AS PART OF THE CONTRACT FOR CONSTRUCTION, ADJUSTMENT OR RECONSTRUCTION OF ANY MANHOLE, CATCH BASIN, OR INLET, SHALL HAVE CAST INTO THE LID ONE OF THE FOLLOWING WORDS: ALL LIDS TO BE USED ON STORM SEWER STRUCTURES SHALL BEAR THE WORD "STORM." ANY ADDITIONAL COST FOR THIS REQUIREMENT WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE STRUCTURE BEING INSTALLED.
 - FRAME ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. FRAMES ON ALL NEW, ADJUSTED OR RECONSTRUCTED STRUCTURES WILL BE ADJUSTED TO THE FINAL ELEVATION OF THE AREA IN WHICH THEY ARE LOCATED AS PART OF THE STRUCTURE, ADJUSTMENT OR RECONSTRUCTION COST.
 - ALL STORM SEWER CLASS A SHALL BE REINFORCED CONCRETE PIPE WITH FLEXIBLE GASKET MEETING THE REQUIREMENTS OF ASTM C361. THIS ITEM WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT PRICE OF STORM SEWER.
 - ALL STORM SEWER CLASS B SHALL BE THICK WALLED POLYVINYL CHLORIDE (PVC) PIPE, SDR26 WITH RUBBER GASKETS MEETING THE REQUIREMENTS OF ASTM D3212. THIS ITEM WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT PRICE OF STORM SEWER.
 - 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.
 - AT PIPE CULVERT AND STORM SEWER ROADWAY CROSSING LOCATIONS, TRENCH BACKFILL SHALL BE PLACED TO TO TOP OF THE TRENCH AS A TEMPORARY CONDITION UNTIL THE FULL-DEPTH PATCH OR DRIVEWAY PAVEMENT IS CONSTRUCTED. MAINTENANCE OF THE TRENCH BACKFILL SURFACE IN THE TEMPORARY CONDITION WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. REMOVAL OF THE TRENCH BACKFILL TO CONSTRUCT THE PATCH OR DRIVEWAY PAVEMENT WILL NOT BE PAID FOR SEPARATELY. THIS WORK WILL BE INCLUDED IN THE COST OF THE PATCH BEING CONSTRUCTED.
 - GRATING FOR CONCRETE FLARED END SECTIONS WILL BE REQUIRED ON ALL FLARED END SECTIONS IN ACCORDANCE WITH SECTION 542 OF THE STANDARD SPECIFICATIONS. THIS WORK WILL BE INCLUDED IN THE COST OF THE FLARED END SECTION BEING INSTALLED.

BACKFILL

- STORM SEWER AND PIPE CULVERTS SHALL BE BACK FILLED IN ACCORDANCE WITH ARTICLE 550.07, METHOD 1 ONLY.
- PROVIDE TRENCH BACKFILL FOR ALL UTILITY LINES WITHIN 2' OF PAVED AREAS. ALL TRENCH BACKFILL QUANTITIES FOR STORM SEWER AND PIPE CULVERTS HAVE BEEN COMPUTED IN ACCORDANCE WITH THE STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS BUREAU OF CONSTRUCTION TRENCH BACKFILL TABLE, BASED ON PIPE SIZE AND INVERT DEPTH FROM SUBGRADE.
- COST OF ANY TRENCH BACKFILL REQUIRED IN EXCESS OF THE QUANTITY ESTABLISHED IN THE DRAINAGE SCHEDULES, SHALL BE CONSIDERED INCLUDED IN THE UNIT PRICE BID.

SIGNING AND STRIPING

- SEE IDOT DISTRICT ONE DETAILS AND PLAN SHEETS FOR PAVEMENT MARKING DETAILS.
- SIGNS SHALL NOT BE MOVED OR COVERED UNTIL PROGRESS OF WORK NECESSITATES IT.
- THE CONTRACTOR WILL BE REQUIRED TO TEMPORARILY RESET ALL SUCH SIGNS THAT INTERFERE WITH HIS CONSTRUCTION OPERATIONS. ALL SUCH SIGNS MUST BE MAINTAINED STRAIGHT AND CLEAN FOR THE DURATION OF THE TEMPORARY SETTING AND MUST BE RE-ERECTED AT A TEMPORARY LOCATION IN A WORKMANLIKE MANNER AND BE VISIBLE TO THE TRAFFIC FOR WHICH IT IS INTENDED. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.
- ALL SIGNS SHALL BE INSTALLED IN PERMANENT LOCATIONS AS THE ROADWAY IS COMPLETED. THIS WORK SHALL BE PAID FOR USING THE APPROPRIATE PAY ITEMS.
- LONGER POSTS MAY BE REQUIRED AT SOME TEMPORARY OR PERMANENT SIGN LOCATIONS TO MAINTAIN PROPER SIGN ELEVATIONS. THIS WORK SHALL BE PAID FOR IN ACCORDANCE WITH SECTION 728 OF THE STANDARD SPECIFICATIONS.

GENERAL NOTES (CONT.)

- EROSION CONTROL PLANS**
- SEE EROSION CONTROL PLANS FOR GENERAL NOTES CONCERNING EROSION CONTROL.
- TRAFFIC CONTROL**
- SEE TRAFFIC CONTROL PLANS FOR GENERAL NOTES CONCERNING TRAFFIC CONTROL AND PROTECTION.
 - THE CONTRACTOR SHALL PLACE UP TO FOUR 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".
 - THE CONTRACTOR SHALL PLACE SIGNS AT ALL TEMPORARY ACCESS POINTS TO ASSIST MOTORISTS IN LOCATING RESPECTIVE DRIVEWAYS AND SIDE ROADS. THE COST OF THESE SIGNS SHALL BE INCIDENTAL TO THE COST OF TEMPORARY ACCESS OF THE TYPE SPECIFIED.
- 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 (ASI) 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.
- LANDSCAPING**
- 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.

BOXED ITEMS INDICATE WORK INCLUDED IN THE COST OF THE CONTRACT OR BY OTHERS.

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PLOT DATE = 12/4/2013	DATE - 12/4/13	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	12-00014-00-CH	WILL	66	3
•	FAU 3771, FAU 3763	CONTRACT NO.	63888	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES (CONTD.)

PAYCODE	ITEM DESCRIPTION	UNIT	TOTAL	ROADWAY STP 80% FEDERAL 20% STATE 0004	SIGNALS STP 80% FEDERAL 20% STATE 0021
2010010	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	80	80	
2010020	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	143	143	
2010100	TEMPORARY FENCE	FOOT	128	128	
2010120	TREE ROOT PRUNING	EACH	3	3	
2020120	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	4,432	4,432	
2040080	FURNISHED EXCAVATION	CU YD	2,846	2,846	
2080015	TRENCH BACKFILL	CU YD	1,165	1,165	
2090010	POROUS GRANULAR BACKFILL	CU YD	41	41	
2100100	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	2,574	2,574	
2110150	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	2,363	2,363	
2500020	SEEDING, CLASS 2A	ACRE	2.75	2.75	
2500040	NITROGEN FERTILIZER NUTRIENT	POUND	239	239	
2500050	PHOSPHORUS FERTILIZER NUTRIENT	POUND	239	239	
2500060	POTASSIUM FERTILIZER NUTRIENT	POUND	239	239	
2510063	HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	12,839	12,839	
2800025	TEMPORARY EROSION CONTROL SEEDING	POUND	266	266	
2800030	TEMPORARY DITCH CHECKS	FOOT	264	264	
2800040	PERIMETER EROSION BARRIER	FOOT	6,907	6,907	
2800050	INLET AND PIPE PROTECTION	EACH	15	15	
2800051	INLET FILTERS	EACH	13	13	
2810017	STONE RIPRAP, CLASS A4	SQ YD	289	289	
2820020	FILTER FABRIC	SQ YD	289	289	
3030001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	865	865	
3510180	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	8,082	8,082	
3510200	AGGREGATE BASE COURSE, TYPE B 8"	SQ YD	348	348	
3550130	HOT-MIX ASPHALT BASE COURSE, 6"	SQ YD	7,111	7,111	
4060010	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	1,730	1,730	
4060030	AGGREGATE (PRIME COAT)	TON	36	36	
4060098	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	75	75	
4060305	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	2,631	2,631	
4060335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	59	59	
4060334	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	1,988	1,988	
4240020	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	489	489	
4240080	DETECTABLE WARNINGS	SQ FT	36	36	
4400020	DRIVEWAY PAVEMENT REMOVAL	SQ YD	207	207	
4400050	COMBINATION CURB AND GUTTER REMOVAL	FOOT	234	234	
4400060	SIDEWALK REMOVAL	SQ FT	482	482	
4420174	CLASS D PATCHES, TYPE II, 8 INCH	SQ YD	76	76	
4420175	CLASS D PATCHES, TYPE III, 8 INCH	SQ YD	16	16	
4420177	CLASS D PATCHES, TYPE IV, 8 INCH	SQ YD	118	118	
4430020	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	6,204	6,204	

PAYCODE	ITEM DESCRIPTION	UNIT	TOTAL	ROADWAY STP 80% FEDERAL 20% STATE 0004	SIGNALS STP 80% FEDERAL 20% STATE 0021
4810150	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	2,024	2,024	
5010522	PIPE CULVERT REMOVAL	FOOT	200	200	
5400100	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	2	2	
5401040	PRECAST CONCRETE BOX CULVERTS 4' X 2'	FOOT	61	61	
542A022	PIPE CULVERTS, CLASS A, TYPE 1 15"	FOOT	54	54	
542A023	PIPE CULVERTS, CLASS A, TYPE 1 18"	FOOT	110	110	
542A024	PIPE CULVERTS, CLASS A, TYPE 1 36"	FOOT	138	138	
5421366	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	2	2	
5421363	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	5	5	
5421361	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	EACH	4	4	
5421363	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 48"	EACH	1	1	
550A012	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	24	24	
550A019	STORM SEWERS, CLASS A, TYPE 1 48"	FOOT	334	334	
550A034	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	17	17	
550A038	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	130	130	
550A040	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	173	173	
550A045	STORM SEWERS, CLASS A, TYPE 2 36"	FOOT	440	440	
550A048	STORM SEWERS, CLASS A, TYPE 2 48"	FOOT	140	140	
550A490	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 24"	FOOT	78	78	
550B034	STORM SEWERS, CLASS B, TYPE 2 12"	FOOT	150	150	
5510050	STORM SEWER REMOVAL 12"	FOOT	322	322	
5510120	STORM SEWER REMOVAL 24"	FOOT	638	638	
* 5610920	WATER VALVES TO BE ADJUSTED	EACH	8	8	
6020080	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE B GRATE	EACH	2	2	
6020105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE II FRAME AND GRATE	EACH	1	1	
6021840	MANHOLES, TYPE A, 4'-DIAMETER, TYPE I FRAME, CLOSED LID	EACH	1	1	
6022370	MANHOLES, TYPE A, 6'-DIAMETER, TYPE I FRAME, OPEN LID	EACH	1	1	
6022380	MANHOLES, TYPE A, 6'-DIAMETER, TYPE I FRAME, CLOSED LID	EACH	1	1	
6022459	MANHOLES, TYPE A, 8'-DIAMETER, TYPE I FRAME, CLOSED LID	EACH	3	3	
6022461	MANHOLES, TYPE A, 8'-DIAMETER, TYPE II FRAME AND GRATE	EACH	1	1	
6025020	CATCH BASINS TO BE ADJUSTED	EACH	1	1	
6025550	MANHOLES TO BE ADJUSTED	EACH	1	1	
6025580	MANHOLES TO BE ADJUSTED WITH NEW TYPE I FRAME, CLOSED LID	EACH	1	1	
6050040	REMOVING MANHOLES	EACH	2	2	
6050050	REMOVING CATCH BASINS	EACH	1	1	
6050060	REMOVING INLETS	EACH	2	2	
6060095	CLASS SI CONCRETE (OUTLET)	CU YD	13	13	
6060380	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6,12	FOOT	1,756	1,756	
6710010	MOBILIZATION	L SUM	1	1	
7010680	CHANGEABLE MESSAGE SIGN	CAL MO	24	24	
7030010	SHORT TERM PAVEMENT MARKING	FOOT	2,104	2,104	

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

SUMMARY OF QUANTITIES

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	12-00014-00-CH	WILL	66	4
* FAU 3771, FAU 3763			CONTRACT NO. 63888	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES (CONTD.)

SUMMARY OF QUANTITIES (CONTD.)

PAYCODE	ITEM DESCRIPTION	UNIT	TOTAL	ROADWAY STP 80% FEDERAL 20% STATE 0004	SIGNALS STP 80% FEDERAL 20% STATE 0021
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	22,772	22,772	
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	132	132	
* 70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	8,556	8,556	
* 72000100	SIGN PANEL - TYPE 1	SO FT	158	158	
* 72000200	SIGN PANEL - TYPE 2	SO FT	40	40	
* 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	279	279	
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	582	582	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	16,617	16,617	
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1,931	1,931	
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	171	171	
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	144	144	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	188	188	
* 78300100	PAVEMENT MARKING REMOVAL	SQ FT	3,053	3,053	
* 80500010	SERVICE INSTALLATION - GROUND MOUNTED	EACH	1		1
* 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1,473		1,473
* 81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	155		155
* 81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	233		233
* 81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	491		491
* 81400100	HANDHOLE	EACH	7		7
* 81400200	HEAVY-DUTY HANDHOLE	EACH	4		4
* 81400300	DOUBLE HANDHOLE	EACH	2		2
* 81702120	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	1,018		1,018
* 85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1		1
* 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	419		419
* 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	3,763		3,763
* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2,762		2,762
* 87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	84		84
* 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1,544		1,544
* 87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4		4
* 87702870	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 28 FT.	EACH	2		2
* 87702900	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT.	EACH	1		1
* 87702920	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT.	EACH	1		1
* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	20		20
* 87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4		4
* 87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	47		47
* 88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	8		8
* 88030220	SIGNAL HEAD, LED, 2-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4		4
* 88200110	TRAFFIC SIGNAL BACKPLATE, LOUVERED	EACH	8		8
* 88500100	INDUCTIVE LOOP DETECTOR	EACH	8		8
* 88600100	DETECTOR LOOP, TYPE I	FOOT	586		586
* 88700200	LIGHT DETECTOR	EACH	2		2
* SPECIALTY ITEM					

PAYCODE	ITEM DESCRIPTION	UNIT	TOTAL	ROADWAY STP 80% FEDERAL 20% STATE 0004	SIGNALS STP 80% FEDERAL 20% STATE 0021
* 88700300	LIGHT DETECTOR AMPLIFIER	EACH	1		1
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	103	103	
Δ Z0076600	TRAINEES	HOURL	500	500	
Δ Z0076604	TRAINEE'S TRAINING PROGRAM GRADUATE	HOURL	500	500	
* A2004824	TREE, GLEDITSIA TRIACANTHOS INERMIS SKYLINE (SKYLINE THORNLESS COMMON HONEYLOCUST), 3" CALIPER, BALLED AND BURLAPPED	EACH	5	5	
* D2001578	EVERGREEN, JUNIPERUS VIRGINIANA (EASTERN RED CEDAR), 8' HEIGHT, BALLED AND BURLAPPED	EACH	5	5	
X0322936	REMOVE EXISTING FLARED END SECTION	EACH	1	1	
* X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	411		411
X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	100	100	
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	3	3	
X4023000	TEMPORARY ACCESS (ROAD)	EACH	2	2	
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SO YD	7,321	7,321	
X6020084	MANHOLE, SPECIAL	EACH	1	1	
X6022712	CATCH BASINS, TYPE A, 4'-DIAMETER, WITH SPECIAL FRAME AND GRATE	EACH	1	1	
X6024090	MANHOLES, TYPE A, 6'-DIAMETER, WITH SPECIAL FRAME AND GRATE	EACH	1	1	
XT010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	
* X8211175	LUMINAIRE, LED, HORIZONTAL MOUNT, 175 WATT	EACH	4		4
* X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1		1

* SPECIALTY ITEM

Δ 0042

EARTHWORK SCHEDULE

LOCATION	TOPSOIL EXCAVATION AND PLACEMENT (CU YD)	TOPSOIL REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (CU YD)	UNDERCUT REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (CU YD)	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (CU YD)
151ST STREET	1,201	1,466	417	1,883
PARKER ROAD	1,162	2,111	437	2,548
TOTAL	2,363	3,577	855	4,432

LOCATION	CUT BEFORE ADJUSTMENT FOR TOPSOIL AND UNSUITABLE MATERIALS	EARTH EXCAVATION (CU YD)	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (CU YD)	EMBANKMENT (CU YD)	FURNISHED EXCAVATION (CU YD)
151ST STREET	2,922	-163	-122	606	728
PARKER ROAD	2,798	-912	-684	1,433	2,117
TOTAL	5,720	0	-806	2,039	2,846

NOTE: IT HAS BEEN ASSUMED THAT 18" OF TOPSOIL WILL BE REMOVED FROM THE SITE BETWEEN THE EXISTING AND PROPOSED EDGES OF PAVEMENT AND PAID FOR AS REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL. 6" OF TOPSOIL WILL BE REMOVED FROM THE SITE BETWEEN THE PROPOSED EDGE OF PAVEMENT AND THE PROPOSED CONSTRUCTION LIMITS. THE 6" OF REMOVED TOPSOIL WILL BE STORED OFF-SITE AT THE HOMER TOWNSHIP HIGHWAY DEPARTMENT AT 14400 W. 151ST STREET UNTIL IT IS NEEDED FOR TOPSOIL PLACEMENT. COST SAVINGS SHALL BE REFLECTED IN THE PAY ITEM FOR TOPSOIL EXCAVATION AND PLACEMENT. THE TOPSOIL EXCAVATION AND REMOVAL OF UNSUITABLE MATERIAL HAS BEEN SUBTRACTED FROM THE EARTH EXCAVATION TOTALS AS CALCULATED FROM THE CROSS SECTIONS.

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 PROJECT CONTACT: Illinois Professional Design Firm #184-001322
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

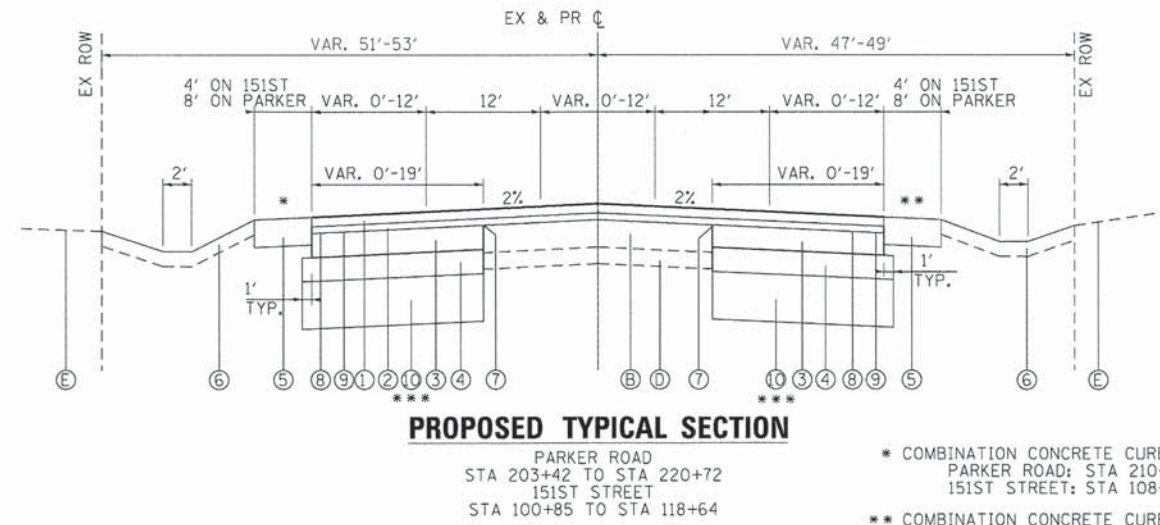
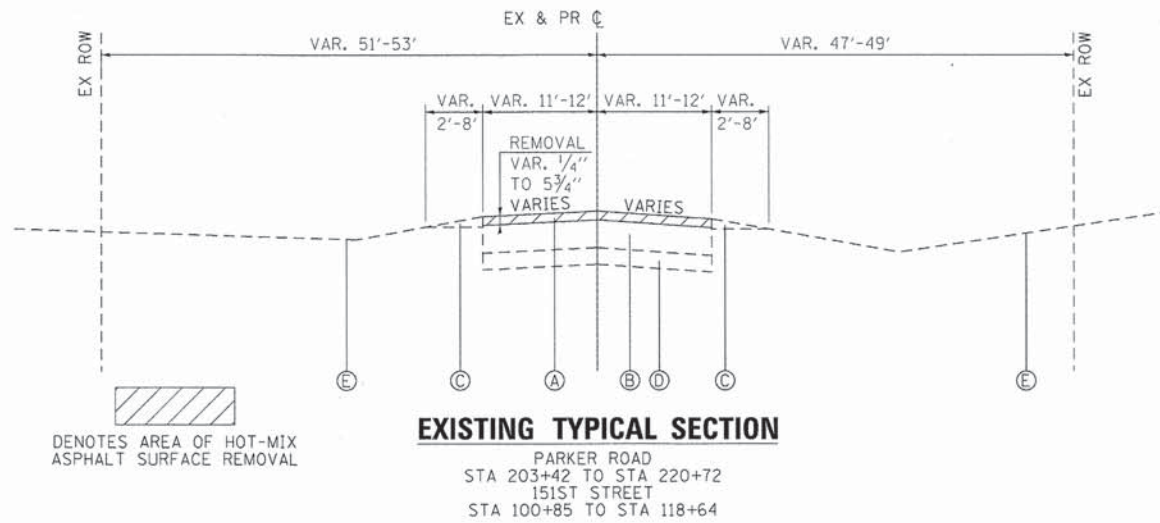
SCALE: N.T.S. SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	12-00014-00-CH	WILL	66	5
*	FAU 3771, FAU 3763	CONTRACT NO. 63888		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

BINDER THICKNESS SCHEDULE

151ST STREET			
STA	EX CL ELEV	PR CL ELEV	BINDER THICKNESS (IN)
101+85	753.53	753.53	2.25
102+00	752.10	752.45	2.25
102+50	748.54	748.85	2.25
103+00	744.96	745.35	2.75
103+50	741.54	742.39	8.25
104+00	739.45	740.01	4.75
104+50	738.09	738.20	2.25
105+00	737.05	736.93	2.25
105+50	736.07	735.95	2.25
106+00	735.21	735.22	2.25
106+50	734.50	734.75	2.25
107+00	734.29	734.54	2.25
107+50	734.21	734.59	2.50
108+00	734.37	734.86	4.00
108+50	734.73	735.15	3.00
109+00	735.21	735.44	2.25
109+50	735.64	735.72	2.25
110+00	735.66	735.93	2.25
110+50	735.66	735.86	2.25
111+00	735.36	735.51	2.25
111+50	734.93	735.02	2.25
112+00	734.53	734.52	2.25
112+50	734.00	734.03	2.25
113+00	733.46	733.56	2.25
113+50	733.10	733.22	2.25
114+00	732.91	733.02	2.25
114+50	732.89	732.97	2.25
115+00	733.04	733.06	2.25
115+50	733.22	733.30	2.25
116+00	733.52	733.63	2.25
116+50	733.89	733.95	2.25
117+00	734.25	734.28	2.25
117+50	734.67	734.69	2.25
118+00	735.22	735.21	2.25
118+50	735.75	735.75	2.25
118+64	735.90	735.90	2.25

PARKER ROAD			
STA	EX CL ELEV	PR CL ELEV	BINDER THICKNESS (IN)
203+42	740.34	740.34	2.25
203+50	740.40	740.45	2.25
204+00	740.68	740.91	2.25
204+50	740.88	741.03	2.25
205+00	740.72	740.78	2.25
205+50	739.77	740.18	3.00
206+00	738.60	739.21	5.25
206+50	737.57	738.09	4.25
207+00	736.84	737.18	2.25
207+50	736.42	736.50	2.25
208+00	736.15	736.05	2.25
208+50	735.91	735.82	2.25
209+00	735.82	735.81	2.25
209+50	735.86	735.96	2.25
210+00	735.91	736.11	2.25
210+50	735.96	736.26	2.25
211+00	736.03	736.34	2.25
211+50	736.02	736.21	2.25
212+00	735.75	735.97	2.25
212+50	734.66	735.08	3.00
213+00	733.57	734.08	4.00
213+50	732.62	733.12	4.00
214+00	731.88	732.33	3.50
214+50	731.38	731.72	2.25
215+00	731.05	731.30	2.25
215+50	730.91	731.06	2.25
216+00	730.90	731.00	2.25
216+50	731.06	731.13	2.25
217+00	731.28	731.45	2.25
217+50	731.43	731.95	4.25
218+00	732.04	732.63	5.00
218+50	732.98	733.49	4.00
219+00	734.18	734.55	2.50
219+50	735.51	735.74	2.25
220+00	736.86	736.95	2.25
220+50	738.15	738.16	2.25
220+72	738.70	738.70	2.25



EXISTING LEGEND

- (A) HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- (B) HOT-MIX ASPHALT PAVEMENT; ±8"
- (C) AGGREGATE SHOULDERS
- (D) AGGREGATE SUBGRADE, ±4"
- (E) EXISTING GROUND

PROPOSED 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, 6"
- ④ AGGREGATE BASE COURSE, TYPE B 6" (CA-6 CRUSHED STONE OR CRUSHED GRAVEL)
- ⑤ AGGREGATE SHOULDERS TYPE B 6"
- ⑥ SEEDING, CLASS 2A AND TOPSOIL PLACEMENT, 6"
- ⑦ STRIP REFLECTIVE CRACK CONTROL
- ⑧ BITUMINOUS MATERIALS (PRIME COAT)
- ⑨ AGGREGATE (PRIME COAT)
- ⑩ AGGREGATE SUBGRADE IMPROVEMENT

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS @ Ndes
PAVEMENT RESURFACING	
HMA SURFACE COURSE, MIX "D", N70 (IL-9.5mm); 2"	4% @ 70 GYR.
HMA BINDER COURSE, IL 19.0, N70; 2 1/4" - 8 1/4"	4% @ 70 GYR.
PAVEMENT WIDENING	
HMA SURFACE COURSE, MIX "D", N70 (IL-9.5mm); 2"	4% @ 70 GYR.
HMA BINDER COURSE, IL 19.0, N70; 2 1/4"	4% @ 70 GYR.
HMA BASE COURSE (HMA BINDER IL-19mm); 6"	4% @ 70 GYR.
DRIVEWAYS	
HMA BASE COURSE (HMA BINDER IL-19mm); 6"	4% @ 50 GYR.
HMA SURFACE COURSE, MIX "D", N50; (IL-9.5mm); 2"	4% @ 50 GYR.
PATCHING	
CLASS D PATCHES (HMA BINDER IL-19 mm)	4% @ 70 GYR.

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

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 70-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

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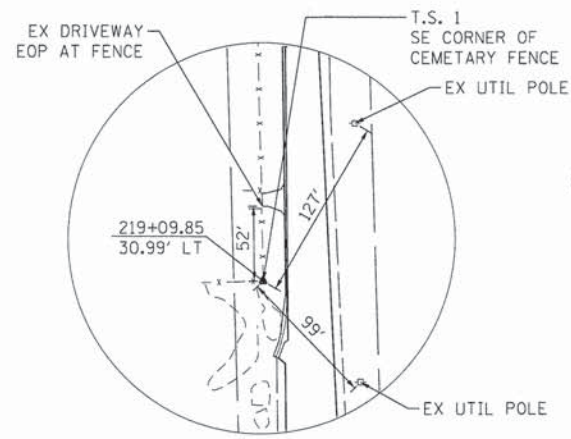
HRGreen.com
 Illinois Professional Design Firm
 #184-001322

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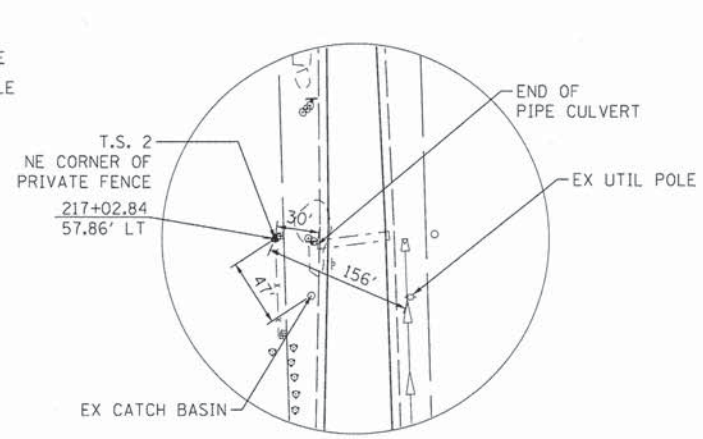
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS	
PARKER ROAD AND 151ST STREET	
SCALE: N.T.S.	SHEET NO. 1 OF 1 SHEETS
STA. BEGIN	TO STA. END

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
12-00014-00-CH	WILL	66	6	
FAU 3771, FAU 3763	CONTRACT NO. 63888			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

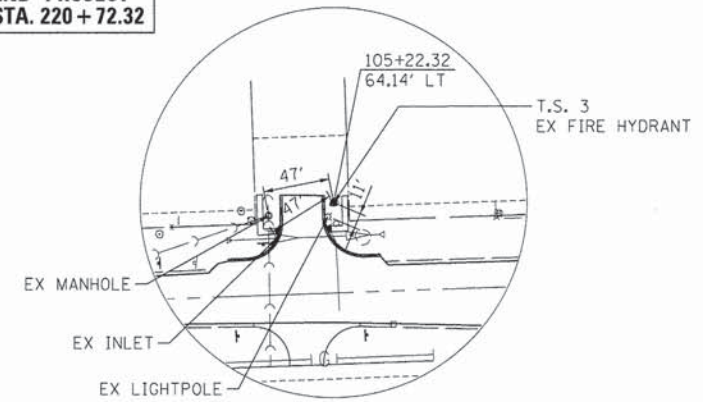


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E 1089056.894

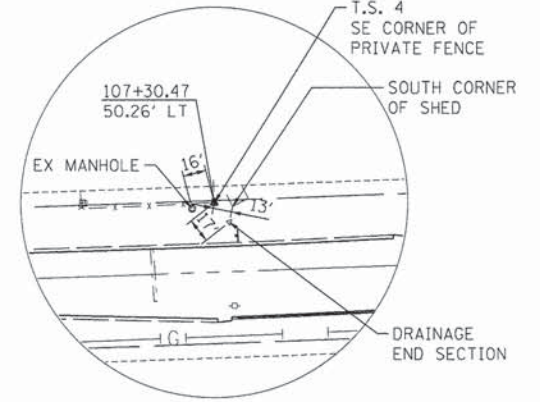


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END PROJECT
STA. 220 + 72.32



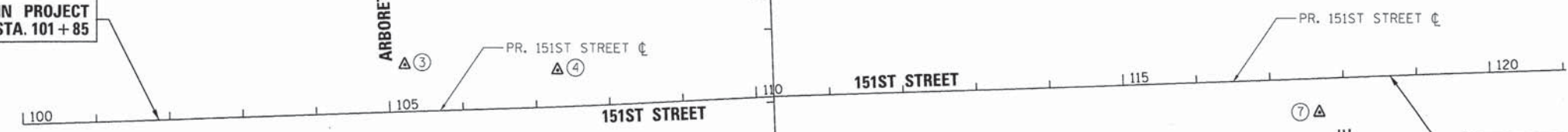
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E 1088609.001



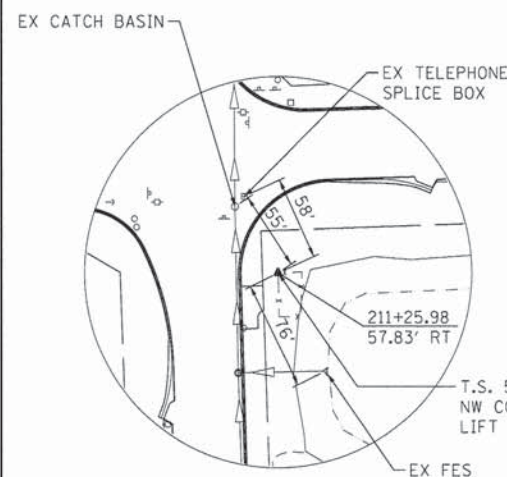
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E 1088817.214

SITE BENCHMARKS:
B.M. #1 - ARROW BOLT ON WEST SIDE OF FIRE HYDRANT AT THE NORTHWEST CORNER OF PARKER ROAD AND 151st STREET ELEV.=736.57' (NAVD 88)
B.M. #2 - RAILROAD SPIKE IN NORTHEAST FACE OF SECOND POWER POLE WEST OF THE INTERSECTION OF PARKER ROAD AND 151st STREET ON THE SOUTH SIDE OF 151st STREET ELEV.=735.64' (NAVD 88)

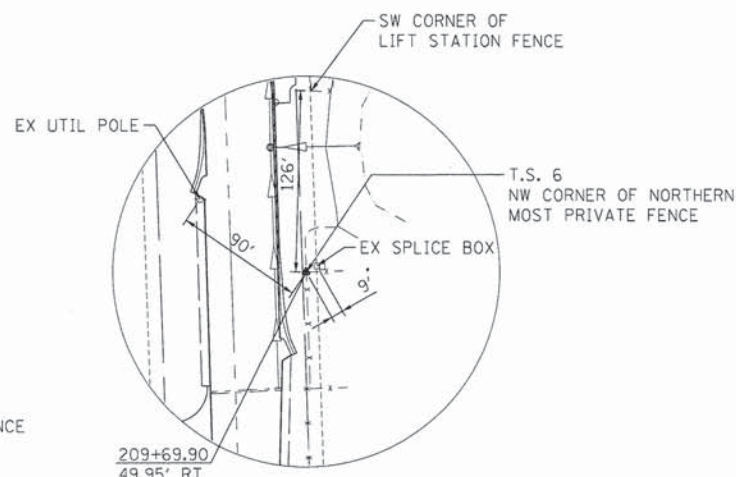
BEGIN PROJECT
STA. 101 + 85



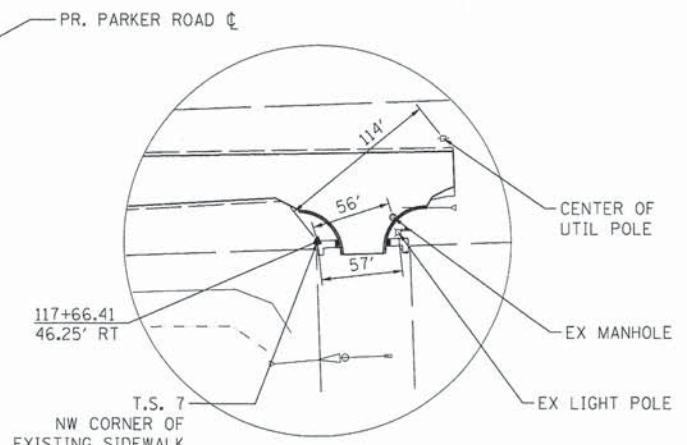
END PROJECT
STA. 118 + 64.01



TRAVERSE STATION #5
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E 1089172.593



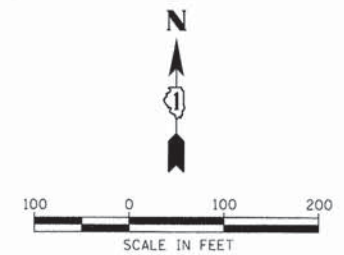
TRAVERSE STATION #6
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E 1089169.674



TRAVERSE STATION #7
N 1802200.356
E 1089855.928

BEGIN PROJECT
STA. 203 + 42.17

PROP. CURVE EX151-1
Δ = 1° 05' 15" (LT)
D = 0° 42' 58"
R = 8,000.00'
T = 75.93'
L = 151.86'
E = 0.36'
e = N/A
T.R. = N/A
S.E. RUN = N/A
P.C. STA = 106+87.32
N: 1802205.45
E: 1088775.98
P.I. STA. = 107+63.25
N: 1802207.90
E: 1088851.87
P.T. STA = 108+39.18
N: 1802211.79
E: 1088927.70



COMPANY NAME: HRGreen
PROJECT CONTACT: HRGreen.com
CLIENT: HRGreen.com
DATE PLOTTED: 12/4/2013 12:26:24 PM
FILE NAME: 411-tie.dgn
PLOT DATE: 12/4/2013
PLOT SCALE: 1" = 100'



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PLOT SCALE = 1" = 100'	CHECKED - JJS	REVISED -
PLOT DATE = 12/4/2013	DATE - 12/4/13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARKS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	12-00014-00-CH	WILL	66	7
• FAU 3771, FAU 3763			CONTRACT NO. 63888	
FED. ROAD DIST. NO. [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 TWO (2) TEN FOOT (10') LANES WILL BE OPEN AT ALL TIMES.

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.

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 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.

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.

IN THE EVENT TEMPORARY BARRIER IS REQUIRED, IT WILL NOT BE PAID FOR SEPARATELY BUT INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).

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
		> 3, <= 12	CHANNELIZING DEVICES PER PLAN SPACING
	< 45	> 18, <= 24 FOR < 0.5 MILES OR < 48 HOURS	CHANNELIZING DEVICES PER PLAN SPACING (4)
		> 12, <= 18 FOR < 0.5 MILES OR < 48 HOURS	CHANNELIZING DEVICES PER PLAN SPACING (4)
>= 45	> 18, <= 24	ADJACENT LANE CLOSURE	
	> 24	TEMPORARY BARRIER WALL	
> 3 FT <= 8 FT (3)	ALL	<= 1	NONE
	ALL	> 1, <= 3	LOW SHOULDER SIGNS (2 MILE SPACING)
	ALL	> 3, <= 24	CHANNELIZING DEVICES PER PLAN SPACING
	ALL	> 24	TEMPORARY BARRIER WALL
> 8 FT <= 13 FT (3)	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.

SUGGESTED MAINTENANCE OF TRAFFIC AND CONSTRUCTION STAGING

PRE-STAGE - 151ST STREET AND PARKER ROAD CONSTRUCTION

1. 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 151ST STREET AND PARKER ROAD AND ALL SIDE ROADS IN ACCORDANCE WITH THE LATEST REVISION OF HIGHWAY STANDARD 701006 AND THE DETAILS SHOWN ON THE PLANS.

STAGE 1 - 151ST STREET AND PARKER ROAD CONSTRUCTION

1. INSTALL EROSION CONTROL MEASURES.
2. CONSTRUCT NORTH PORTION OF 151ST STREET FROM STA 101+85 TO STA 110+23, SOUTH PORTION OF 151ST STREET FROM STA 110+23 TO STA 118+64, EAST PORTION OF PARKER ROAD FROM STA 203+42 TO STA 212+07, AND WEST PORTION OF PARKER ROAD FROM STA 212+07 TO STA 220+72.

3. CONSTRUCT CURB AND GUTTER, BASE COURSE, BINDER AND DRAINAGE STRUCTURES IN THE AREAS STATED ABOVE. 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.

4. CONSTRUCT PORTIONS OF ARBORETUM DRIVE AND ROSARIE DRIVE AS SHOWN ON THE PLANS.

MAINTENANCE OF TRAFFIC

1. REMOVE OR OBLITERATE ALL CONFLICTING PAVEMENT MARKINGS.
2. INSTALL ALL TEMPORARY SIGNING PER MAINTENANCE OF TRAFFIC PLAN.

3. MAINTAIN TRAFFIC AS SHOWN ON THE PLANS AND PROVIDE TRAFFIC CONTROL AND PROTECTION IN ACCORDANCE WITH THE LATEST REVISION OF HIGHWAY STANDARD 701006 AND THE DETAILS SHOWN ON THE PLANS.

STAGE 2 - 151ST STREET AND PARKER ROAD CONSTRUCTION

1. CONSTRUCT SOUTH PORTION OF 151ST STREET FROM STA 101+85 TO STA 110+23, NORTH PORTION OF 151ST STREET FROM STA 110+23 TO STA 118+64, WEST PORTION OF PARKER ROAD FROM STA 203+42 TO STA 212+07, AND EAST PORTION OF PARKER ROAD FROM STA 212+07 TO STA 220+72.

2. CONSTRUCT CURB AND GUTTER, BINDER AND DRAINAGE STRUCTURES IN THE AREAS STATED ABOVE. 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. INSTALL ALL TEMPORARY SIGNING PER MAINTENANCE OF TRAFFIC PLAN.
3. MAINTAIN TRAFFIC AS SHOWN ON THE PLANS AND PROVIDE TRAFFIC CONTROL AND PROTECTION IN ACCORDANCE WITH THE LATEST REVISION OF HIGHWAY STANDARD 701006 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 TRAFFIC SIGNALS.
4. INSTALL SURFACE COURSE. INSTALL PERMANENT PAVEMENT MARKINGS AND FINAL LANDSCAPING.

MAINTENANCE OF TRAFFIC

1. ESTABLISH TRAFFIC CONTROL WITH THE LATEST REVISION OF HIGHWAY STANDARD 701501.

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411-not_gen.dgn
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PEN TABLE



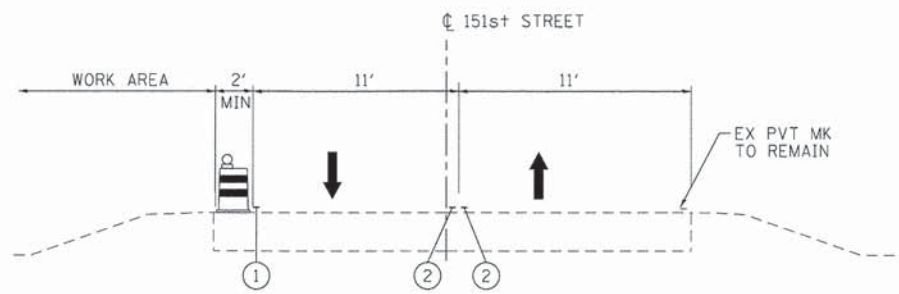
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

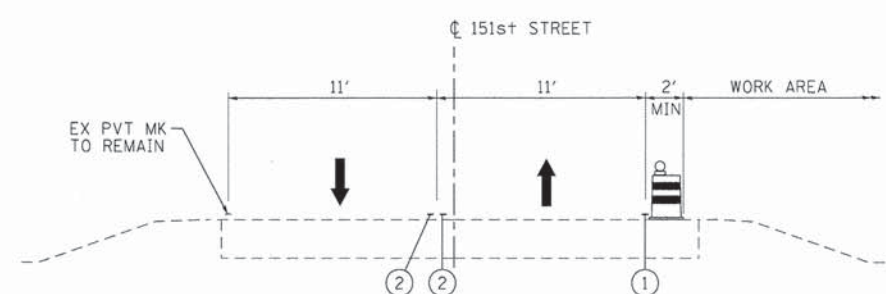
**SUGGESTED MAINTENANCE OF TRAFFIC - GENERAL NOTES
PARKER ROAD AND 151ST STREET**

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

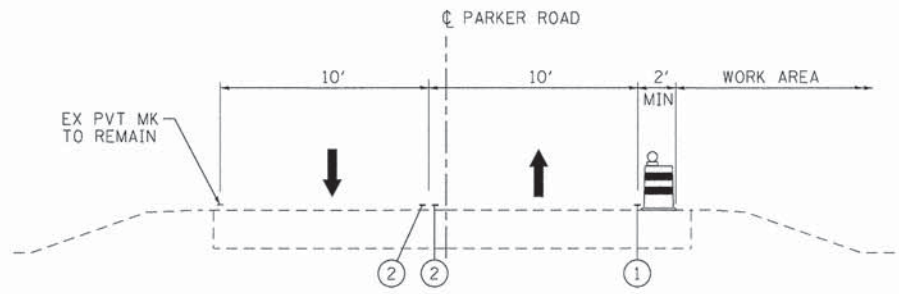
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	12-00014-00-CH	WILL	66	8
•	FAU 3771, FAU 3763			CONTRACT NO. 63888
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



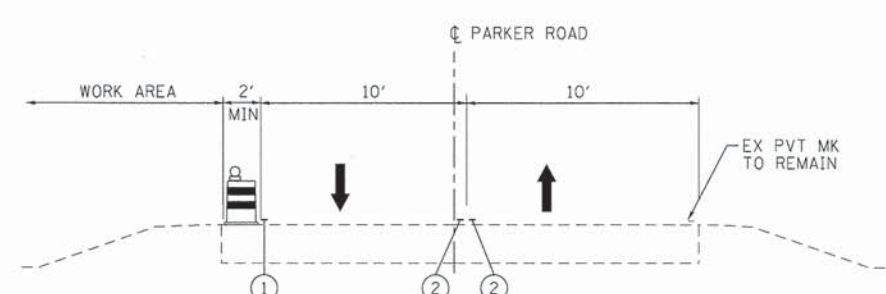
STAGE 1 - 151st STREET
STA 101+85 TO 110+23



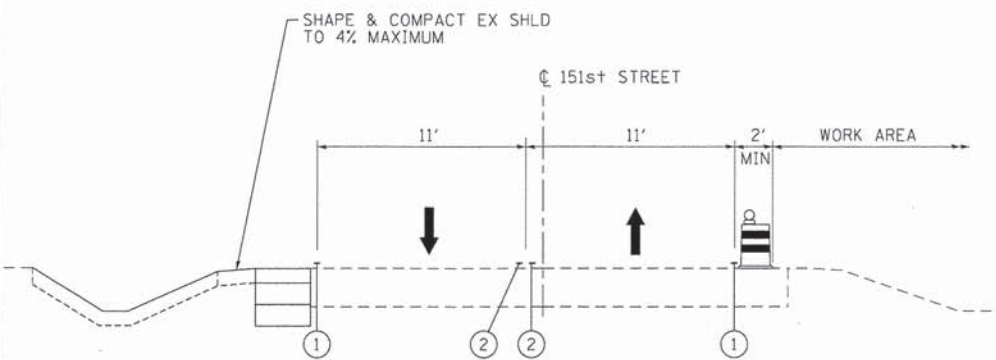
STAGE 1 - 151st STREET
STA 110+23 TO 118+64



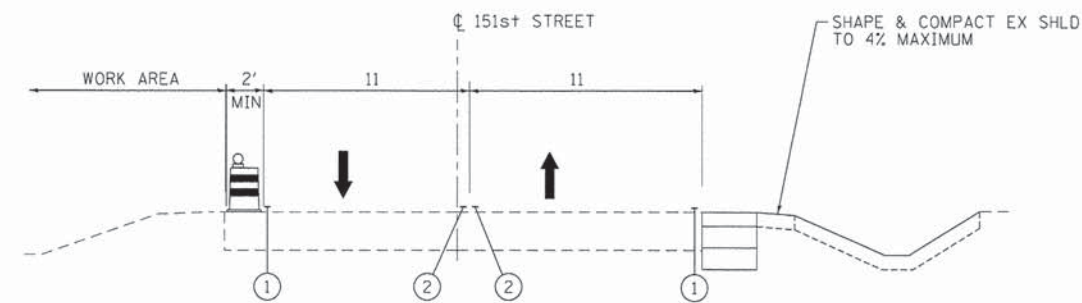
STAGE 1 - PARKER ROAD
STA 203+42 TO STA 212+07



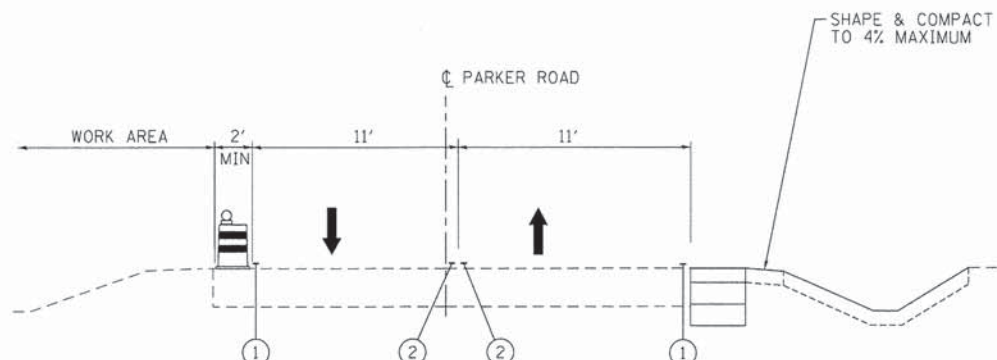
STAGE 1 - PARKER ROAD
STA 212+07 TO 220+72



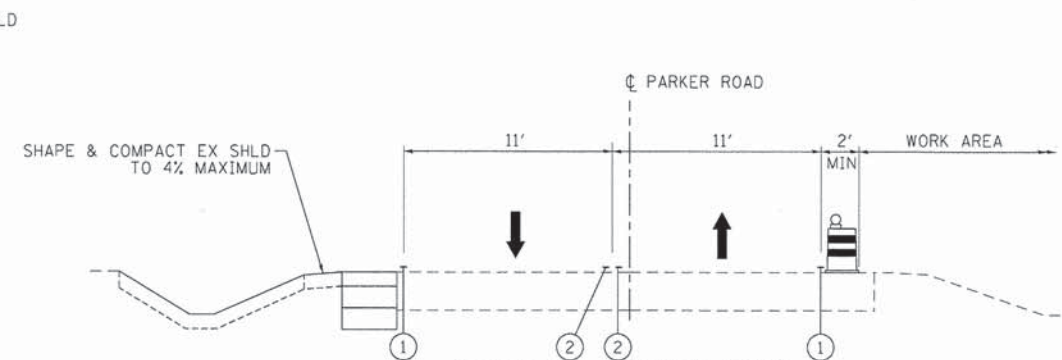
STAGE 2 - 151st STREET
STA 101+85 TO STA 110+23



STAGE 2 - 151st STREET
STA 110+23 TO 118+64



STAGE 2 - PARKER ROAD
STA 203+42 TO STA 212+07



STAGE 2 - PARKER ROAD
STA 212+07 TO 220+72

LEGEND

- DIRECTION OF TRAFFIC
- PROPOSED DRUM BARRICADE WITH MONO-DIRECTIONAL STEADY BURNING LIGHT 50 FT C-C
- ① TEMPORARY PAVEMENT MARKING - LINE 4" (WHITE)
- ② TEMPORARY PAVEMENT MARKING - LINE 4" (YELLOW)

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 PROJECT CONTACT: HRGreen.com
 DATE PLOTTED: 12/4/2013 10:53:54 AM
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HRGreen.com
 Illinois Professional Design Firm
 # 184-011322

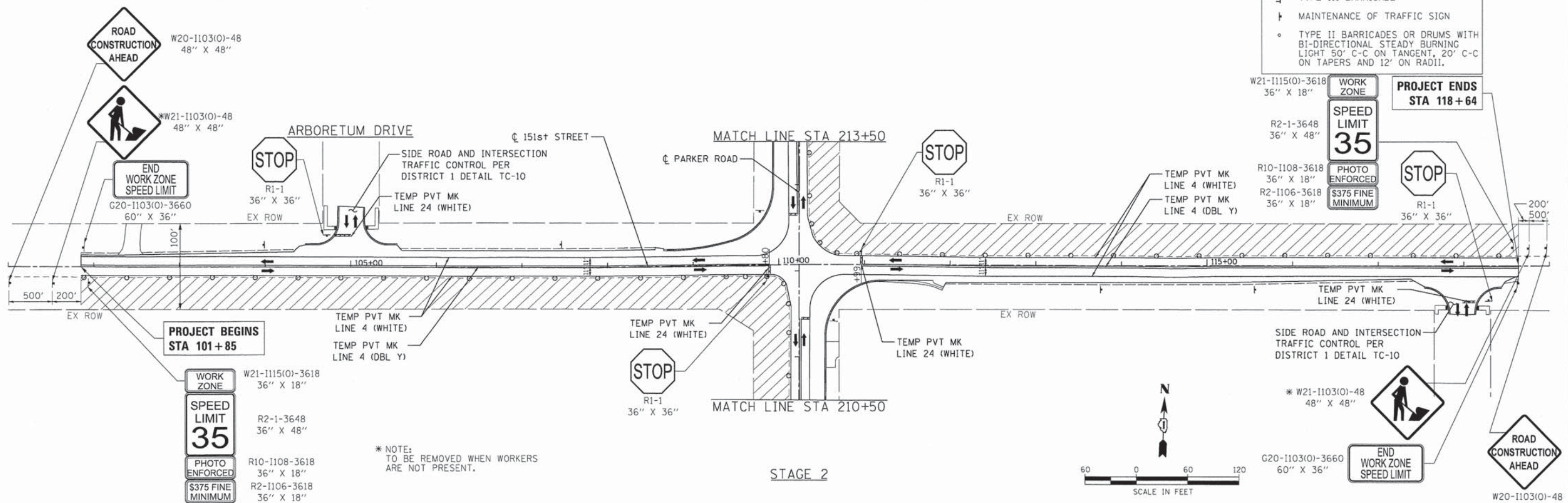
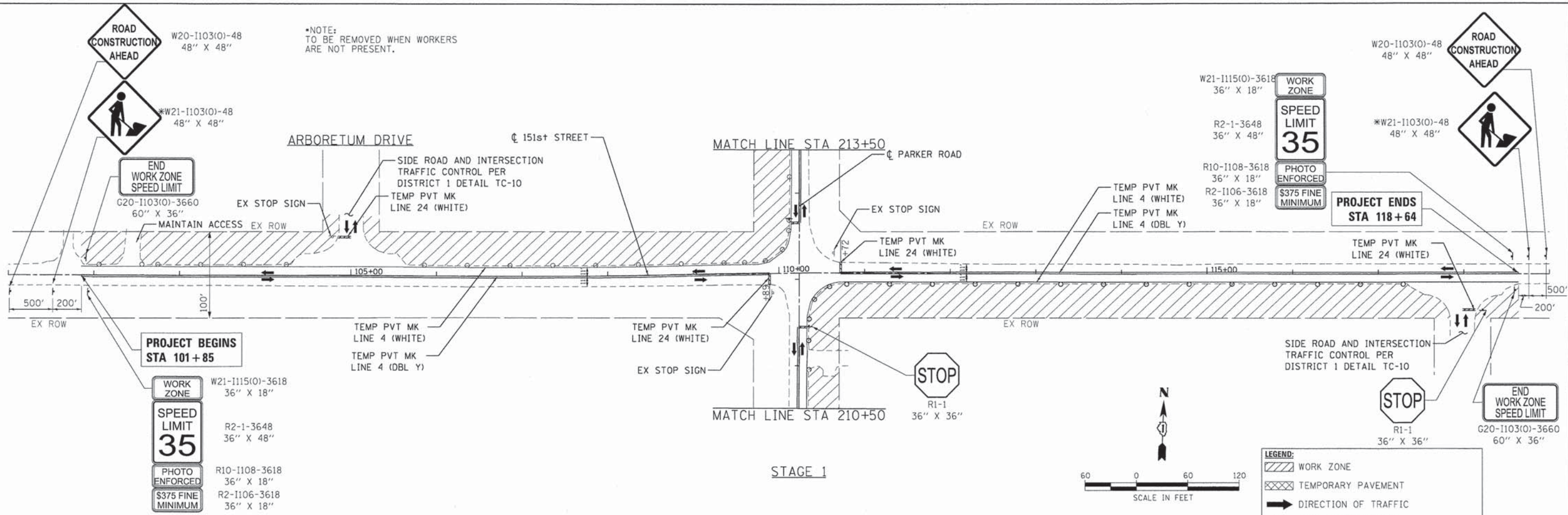
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC - TYPICAL SECTIONS
PARKER ROAD AND 151ST STREET

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	12-00014-00-CH	WILL	66	9
•	FAU 3771, FAU 3763	CONTRACT NO.	63888	
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



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 CLIENT: Illinois Professional Design Firm
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HRGreen
 HRGreen.com
 Illinois Professional Design Firm
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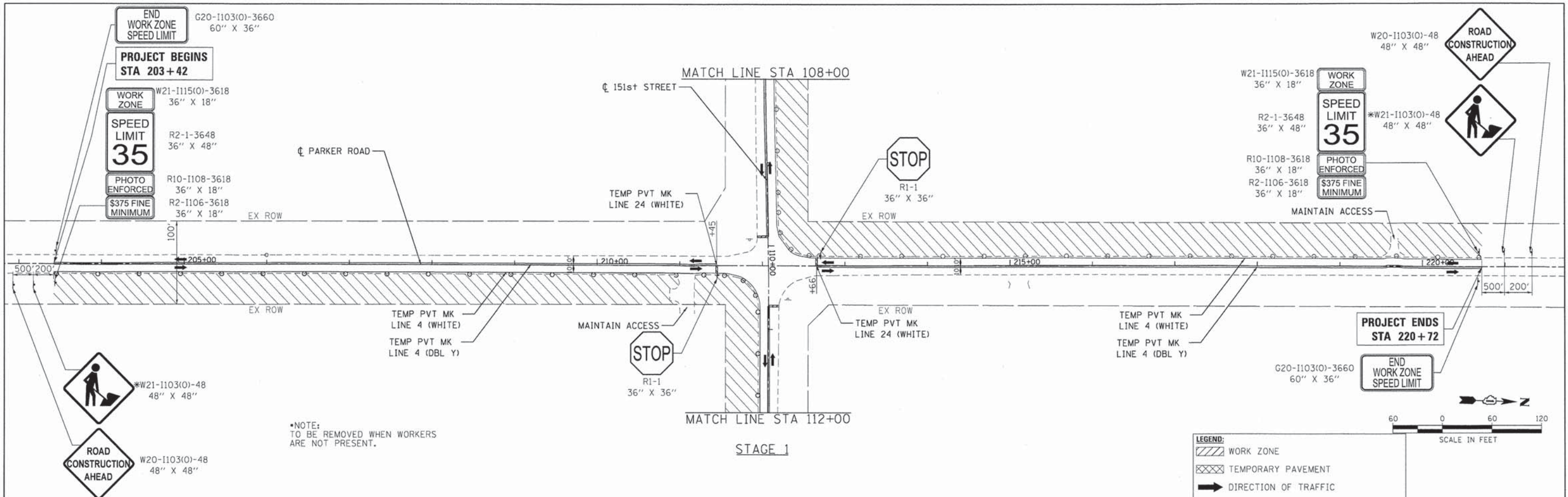
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 1-2
151ST STREET
 SCALE: 1" = 60' SHEET NO. 1 OF 2 SHEETS STA. 101+85 TO STA. 118+64

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	12-00014-00-CH	WILL	66	10
•	FAU 3771, FAU 3763	CONTRACT NO.	63888	
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

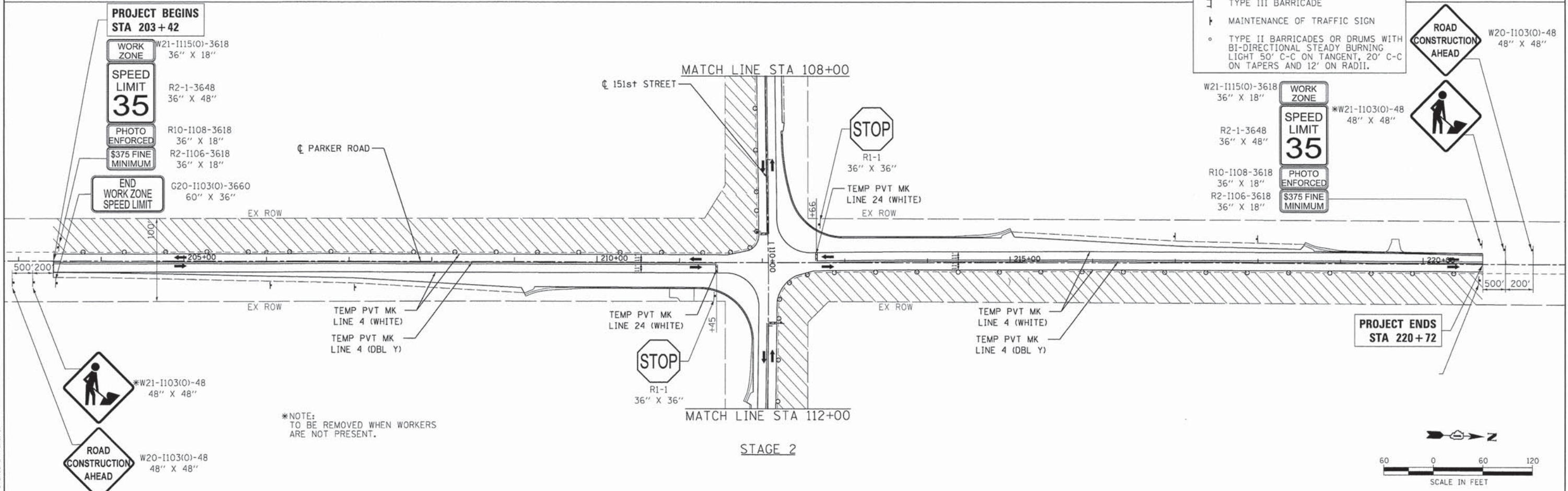
*NOTE:
 TO BE REMOVED WHEN WORKERS
 ARE NOT PRESENT.

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



*NOTE:
TO BE REMOVED WHEN WORKERS
ARE NOT PRESENT.

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



*NOTE:
TO BE REMOVED WHEN WORKERS
ARE NOT PRESENT.

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 PROJECT CONTACT: HRGreen
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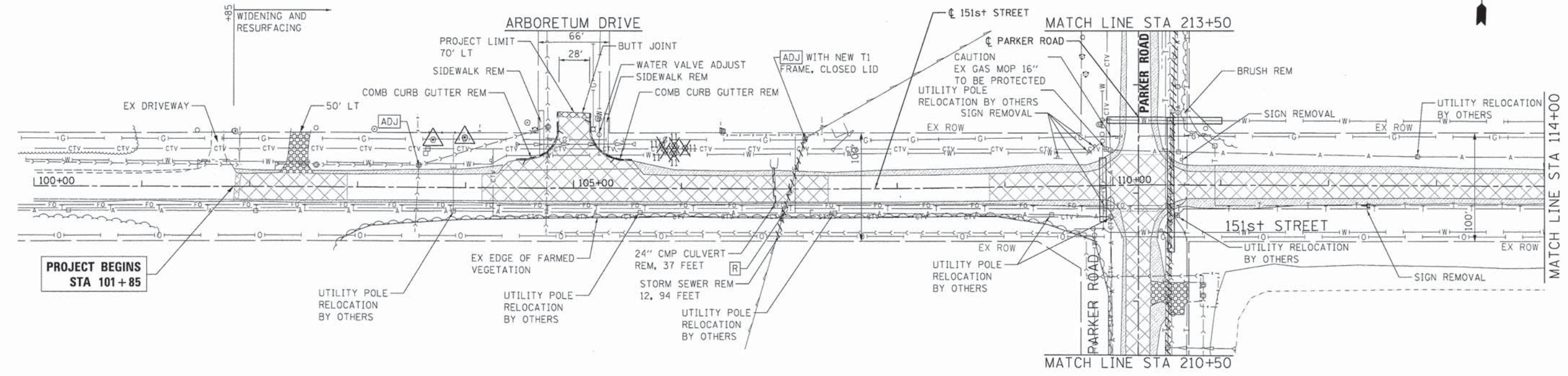
HRGreen.com
 Illinois Professional Design Firm
 #184-001322

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PLOT DATE = 12/4/2013	DATE - 12/4/13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 1-2
PARKER ROAD
 SCALE: 1" = 60' SHEET NO. 2 OF 2 SHEETS STA. 203+42 TO STA. 220+72

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	12-00014-00-CH	WILL	66	11
*	FAU 3771, FAU 3763	CONTRACT NO.	63888	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

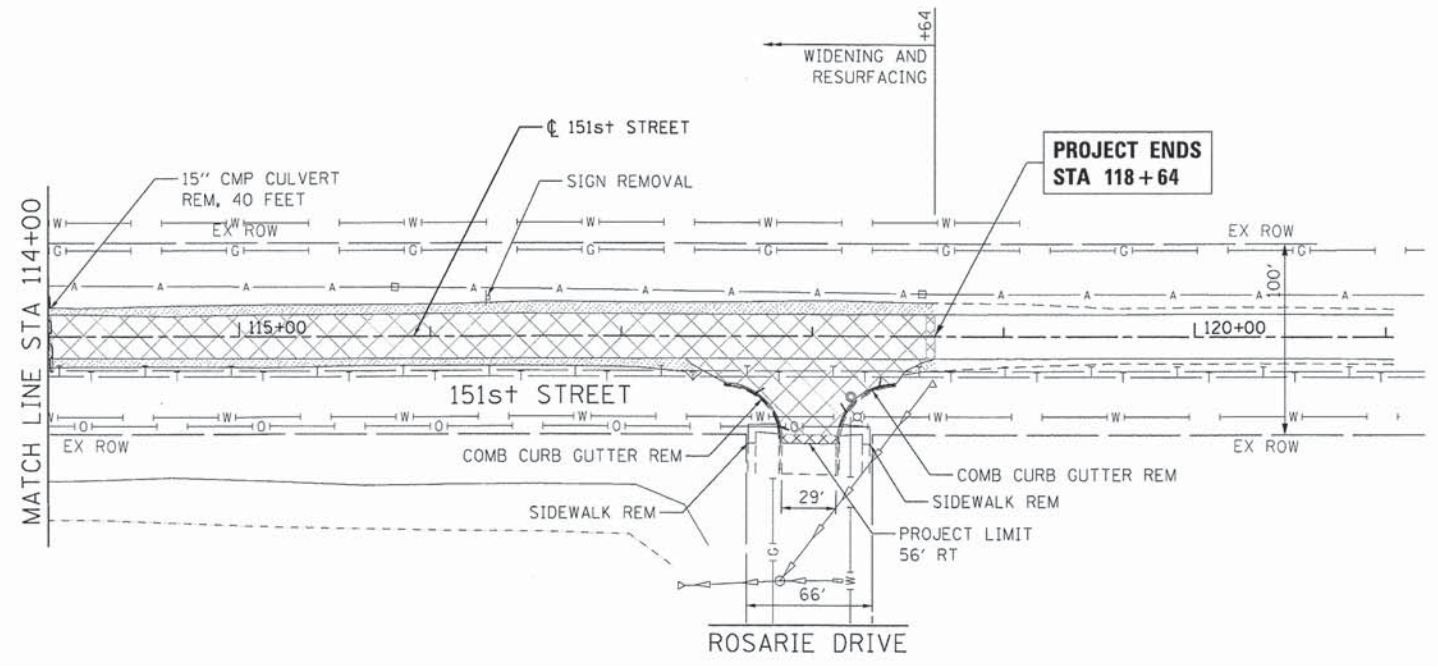


**PROJECT BEGINS
STA 101+85**



LEGEND:

	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH		REMOVE ITEM
	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT		ADJUST ITEM
	AGGREGATE SHOULDER REMOVAL (PAID AS EARTH EXCAVATION)		DRIVEWAY PAVEMENT REMOVAL
	PIPE CULVERT REMOVAL		TREE PROTECTION (PAID FOR AS TEMPORARY FENCE)
	STORM SEWER REMOVAL		TREE REMOVAL (WITH UNITS)



**PROJECT ENDS
STA 118+64**



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 INCLUDED IN THE CONTRACT.

COMPANY NAME: HRGreen
PROJECT CONTACT: HRGreen.com
DRAWN BY: DS
CHECKED BY: JJS
DATE: 12/19/13



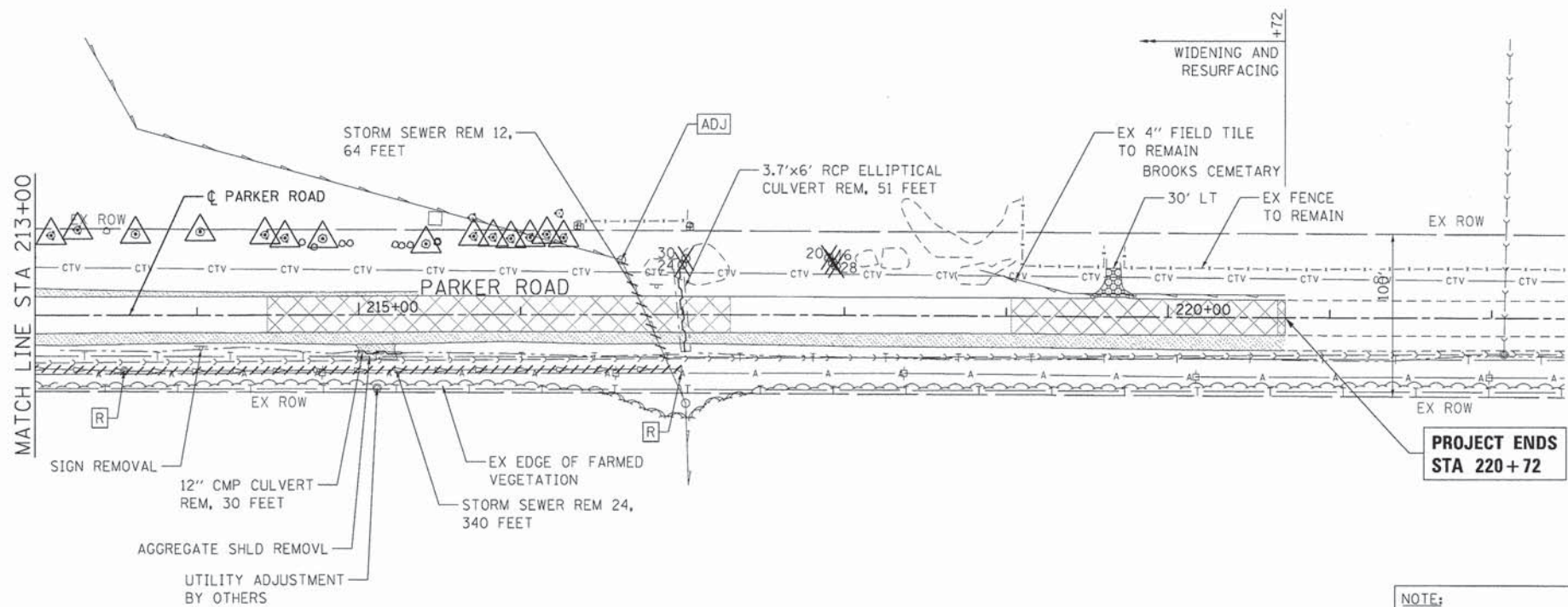
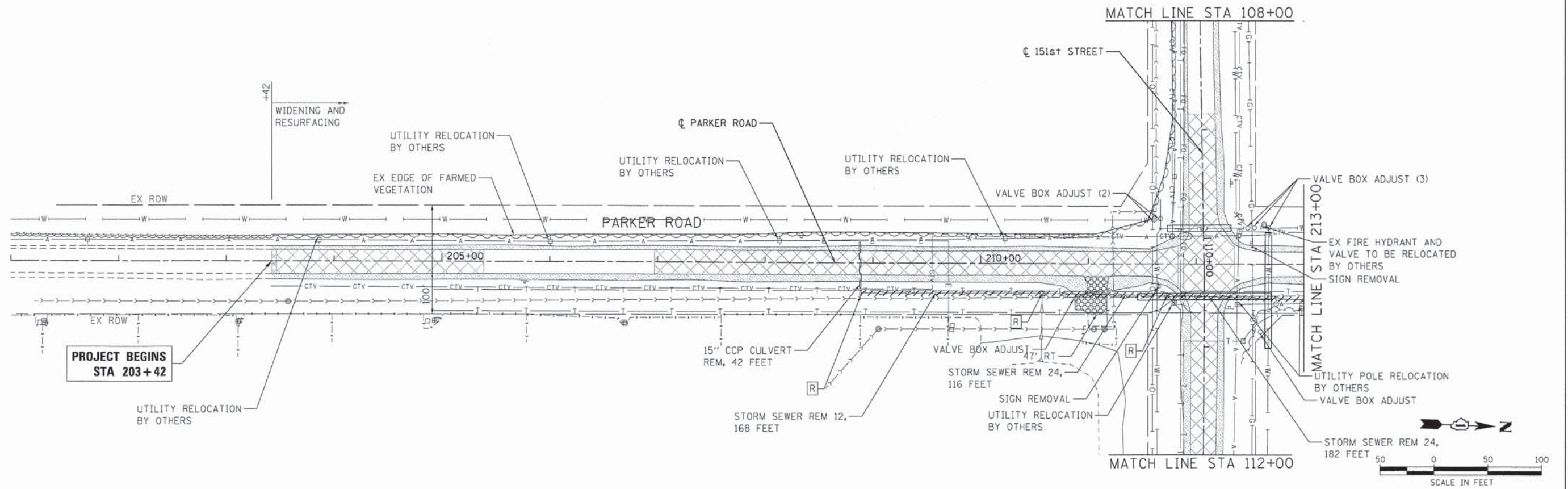
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLAN
151ST STREET**

SCALE: 1" = 50' SHEET NO. 1 OF 2 SHEETS STA. 101+85 TO STA. 118+64

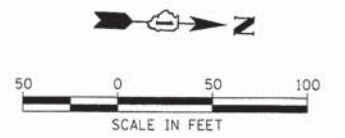
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	12-00014-00-CH	WILL	66	12
•	FAU 3771, FAU 3763	CONTRACT NO.	63888	
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



LEGEND:

	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH		REMOVE ITEM
	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT		ADJUST ITEM
	AGGREGATE SHOULDER REMOVAL (PAID AS EARTH EXCAVATION)		DRIVEWAY PAVEMENT REMOVAL
	PIPE CULVERT REMOVAL		TREE PROTECTION (PAID FOR AS TEMPORARY FENCE)
	STORM SEWER REMOVAL		TREE REMOVAL (WITH UNITS)

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 INCLUDED IN THE CONTRACT.



COMPANY NAME: HRGreen.com
 PROJECT CONTACTS: Illinois Professional Design Firm #184-001322
 CLIENT: 12/4/2013 12:02:59 PM
 DATE PLOTTED: 411-rem_pin_02.dgn
 FILE NAME: par1.dwg
 PLOT NUMBER: 1
 PEN TABLE: standard.ctb



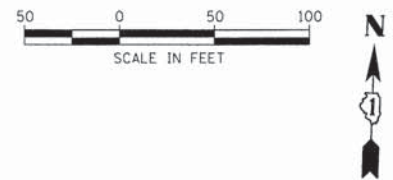
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PLOT DATE = 12/4/2013	DATE - 12/4/13	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

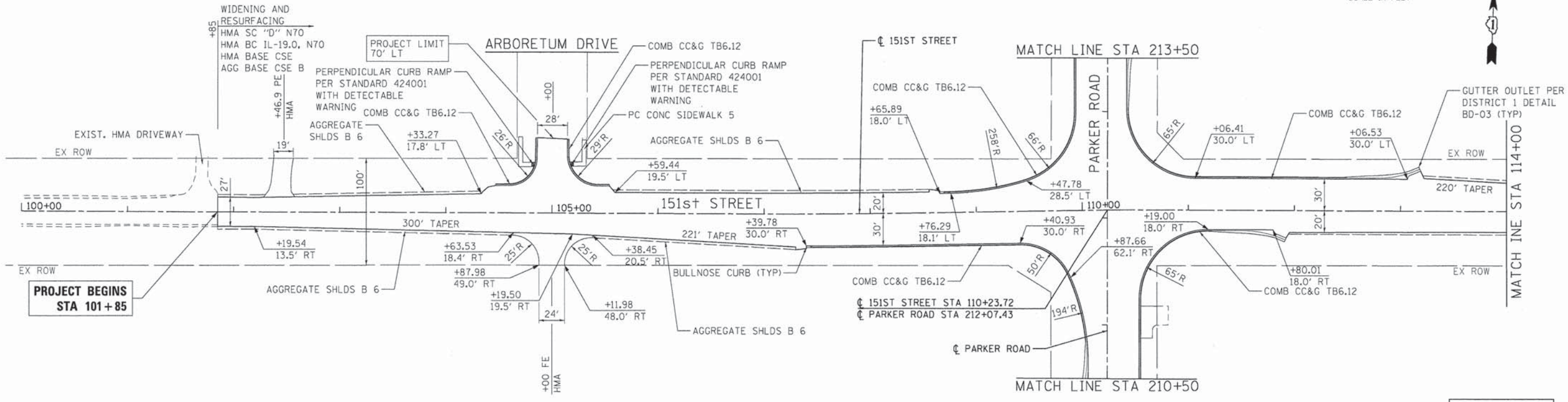
**REMOVAL PLAN
 PARKER ROAD**

SCALE: 1" = 50' SHEET NO. 2 OF 2 SHEETS STA. 203+42 TO STA. 220+72

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	12-00014-00-CH	WILL	66	13
•	FAU 3771, FAU 3763			
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 63888	



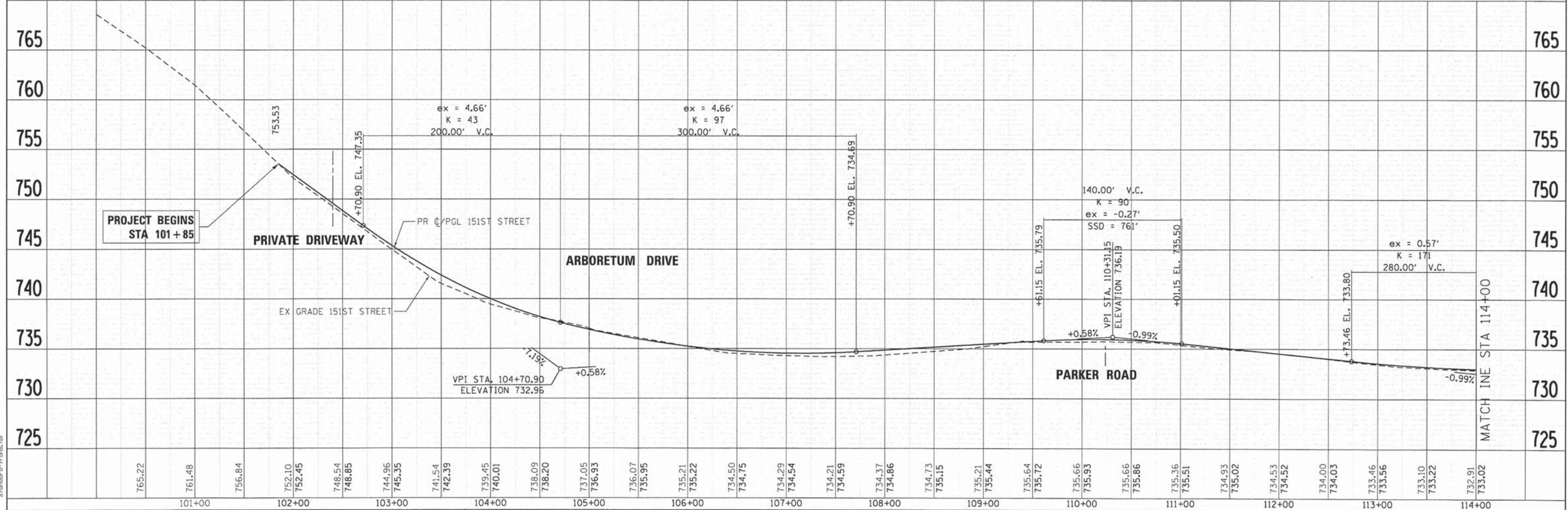
PLAN	SURVEYED	DATE
	PLOTTED	BY
	NOTED	
	REVISIONS	
	NO. OF WAY CHECKED	
	DATE FILE NAME	
	NO.	



NOTE:
FOR EXISTING AND PROPOSED
UTILITIES, SEE UTILITY SHEETS.

SEE INTERSECTION
GRADING PLAN FOR
151st STREET AT
PARKER ROAD

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



COMPANY NAME: HRGreen
 PROJECT CONTACT: [Name]
 DATE PLOTTED: 12/4/2013 10:46:03 AM
 FILE NAME: 411-prp-01.dgn
 PLOT DRIVER: pdfPlot
 PEN TABLE: standard-trans.tbl



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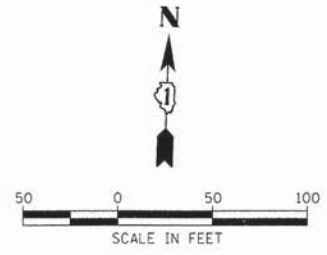
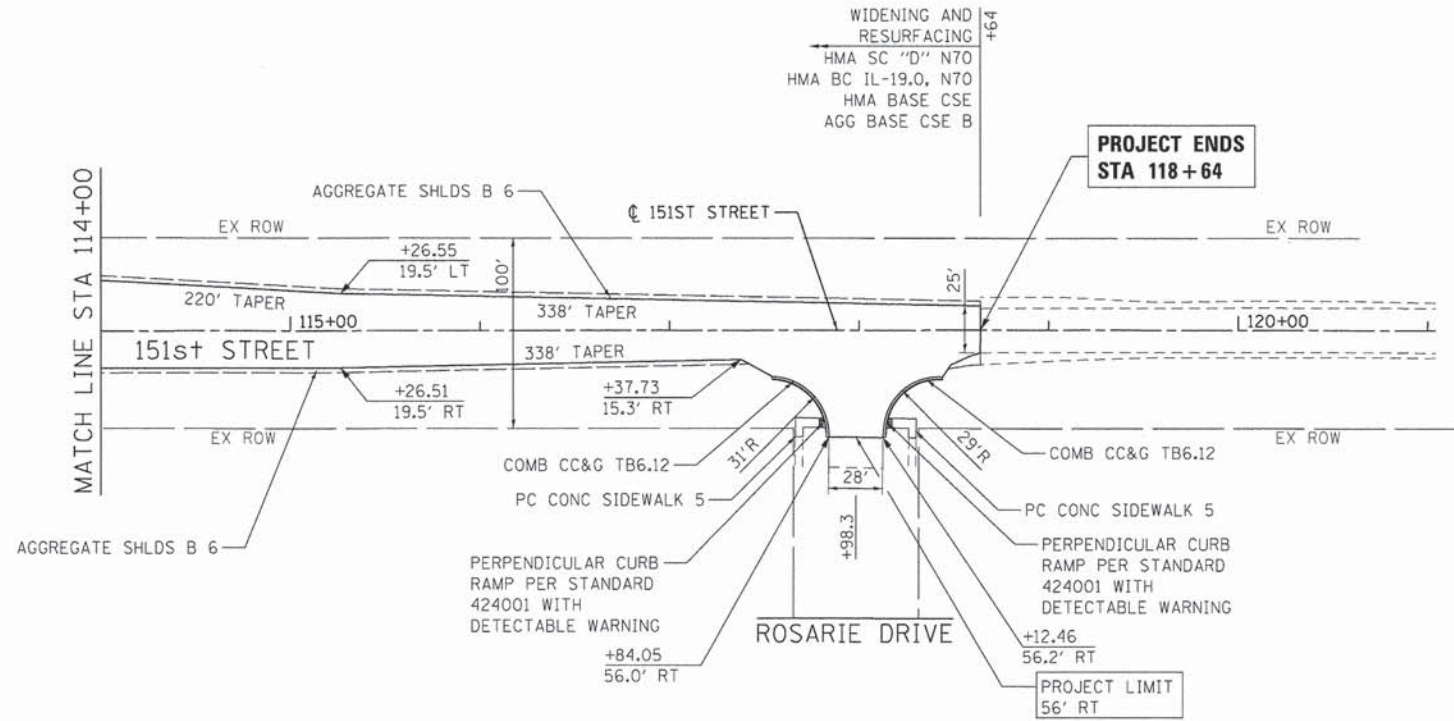
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN AND PROFILE
 151ST STREET

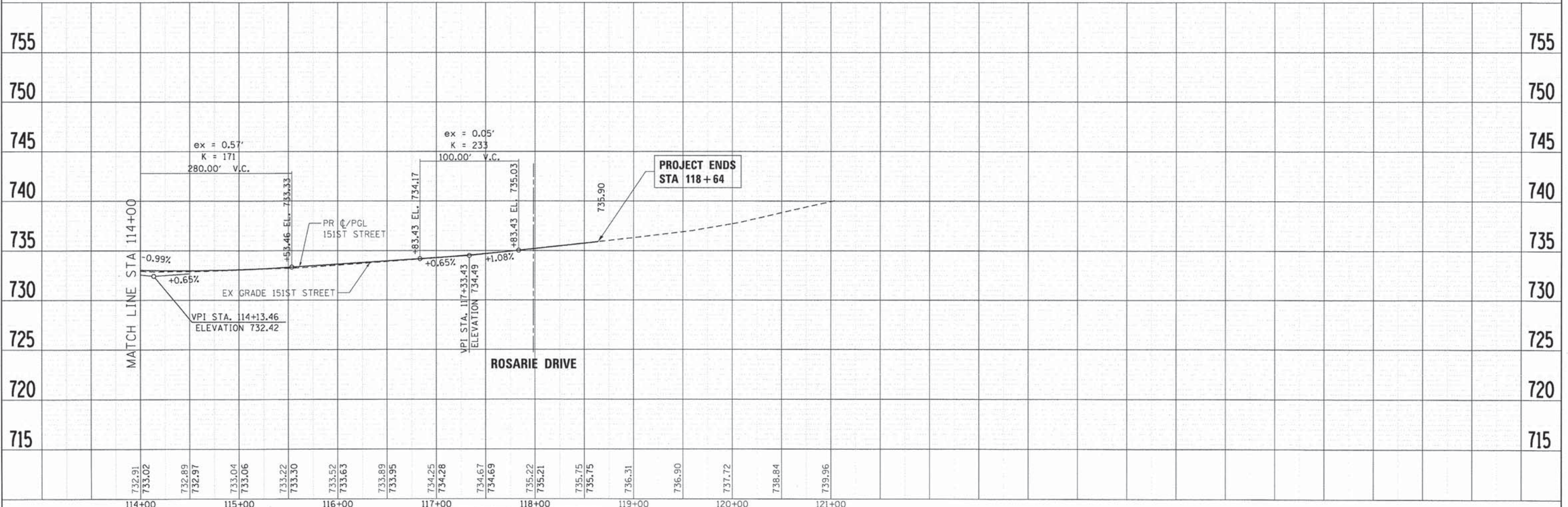
SCALE: 1" = 50' SHEET NO. 1 OF 4 SHEETS STA. 101+85 TO STA. 114+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	12-00014-00-CH	WILL	66	14
* FAU 3771, FAU 3763		CONTRACT NO.	63888	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

DATE	
BY	
APPROVED	
ALIGNMENT CHECKED	
PT. OF WAY CHECKED	
PAID FILE NAME	
NO.	
PLAN	
NOTE BOOK	
NO.	



DATE	
BY	
APPROVED	
GRADES CHECKED	
B.M. NOTED	
STRUCTURE NOTATIONS OK'D	
NO.	
PROFILE	
NOTE BOOK	
NO.	



COMPANY NAME: HRGreen.com
 PROJECT CONTACT: Illinois Professional Design Firm #184-001322
 CLIENT: 12/4/2013 11:46:08 AM
 DATE PLOTTED: 4/11/2014 02:56:00
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 PLOT DRIVER: pdf.plt
 PEN TABLE: standard-tronca.tbl



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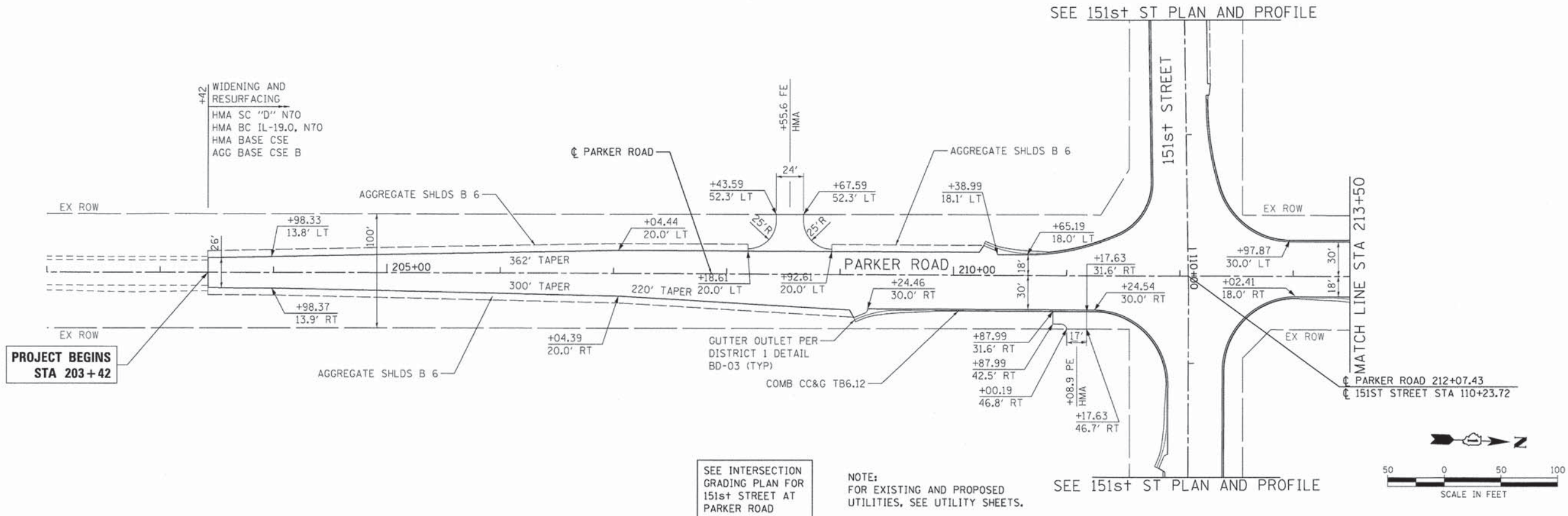
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN AND PROFILE
151ST STREET

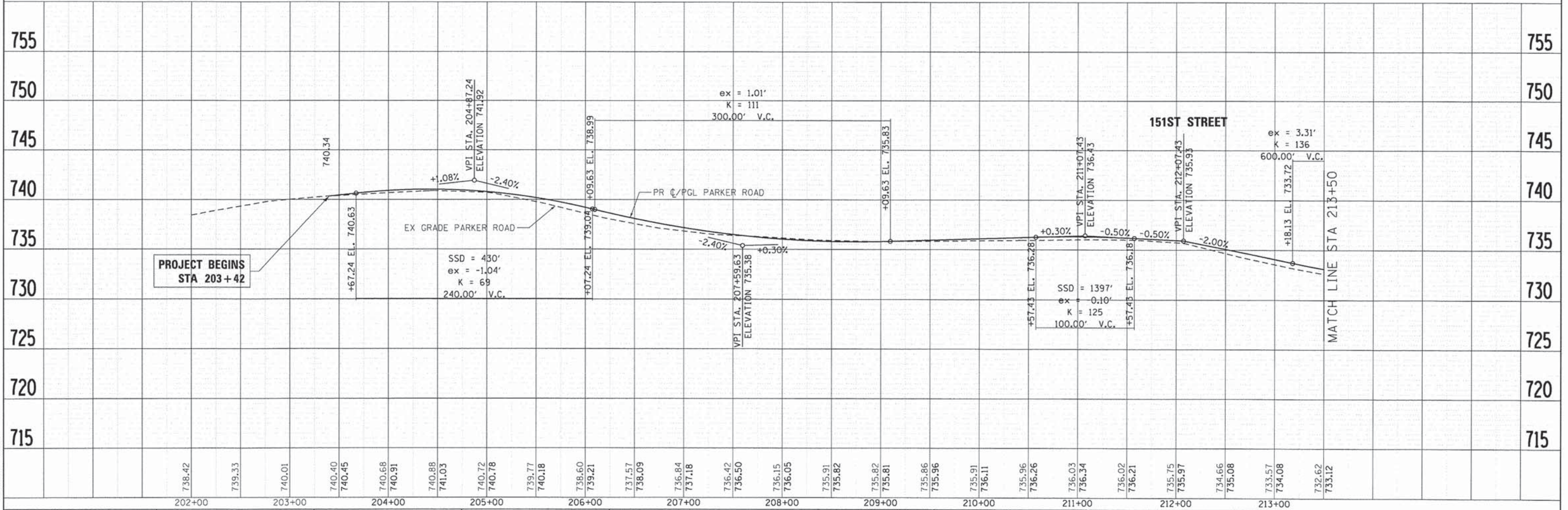
SCALE: 1" = 50' SHEET NO. 2 OF 4 SHEETS STA. 114+00 TO STA. 118+64

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	12-00014-00-CH	WILL	66	15
*	FAU 3771, FAU 3763	CONTRACT NO.	63888	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

PLAN	SUBMITTED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	CADD FILE NAME	
	NO.	



PROFILE	SUBMITTED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS OK'D	
	NO.	



COMPANY NAME: HRGreen.com
PROJECT CONTACT: HRGreen
CLIENT: HRGreen
DATE PLOTTED: 12/4/2013 10:46:13 AM
FILE NAME: 411-prp-03.dgn
PLOT DATE: 12/4/2013
PLOT SCALE: 1" = 50'

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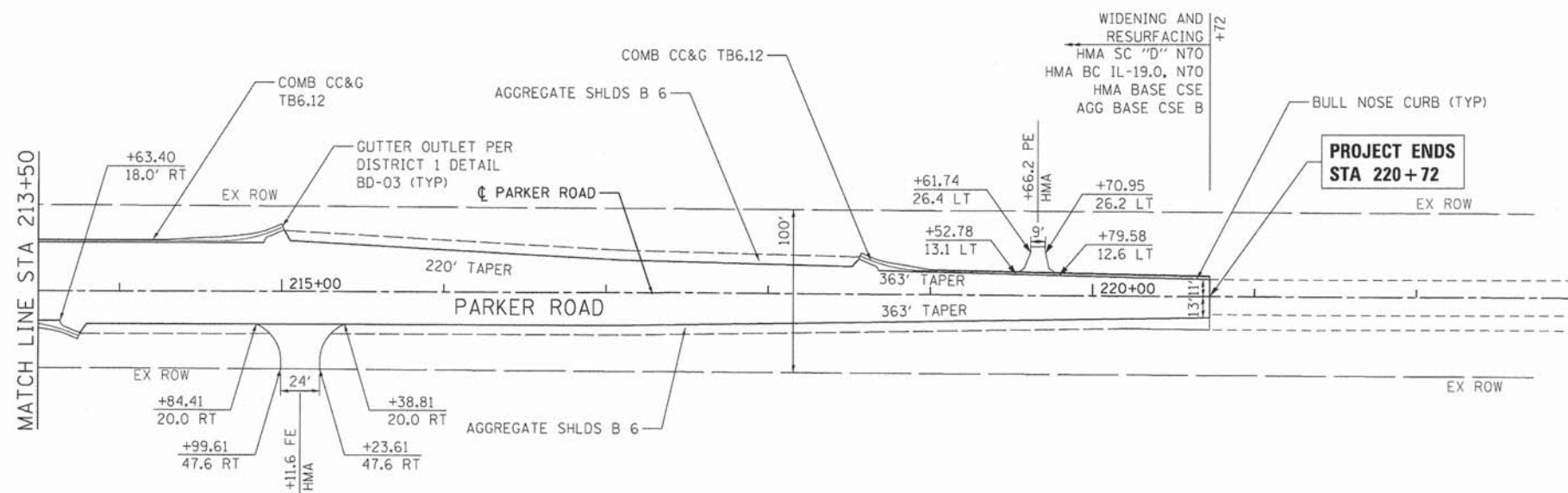
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN AND PROFILE
PARKER ROAD

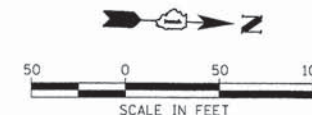
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
12-00014-00-CH	WILL	66	16	
FAU 3771, FAU 3763	CONTRACT NO.	63888		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

SCALE: 1" = 50' SHEET NO. 3 OF 4 SHEETS STA. 203+42 TO STA. 213+50

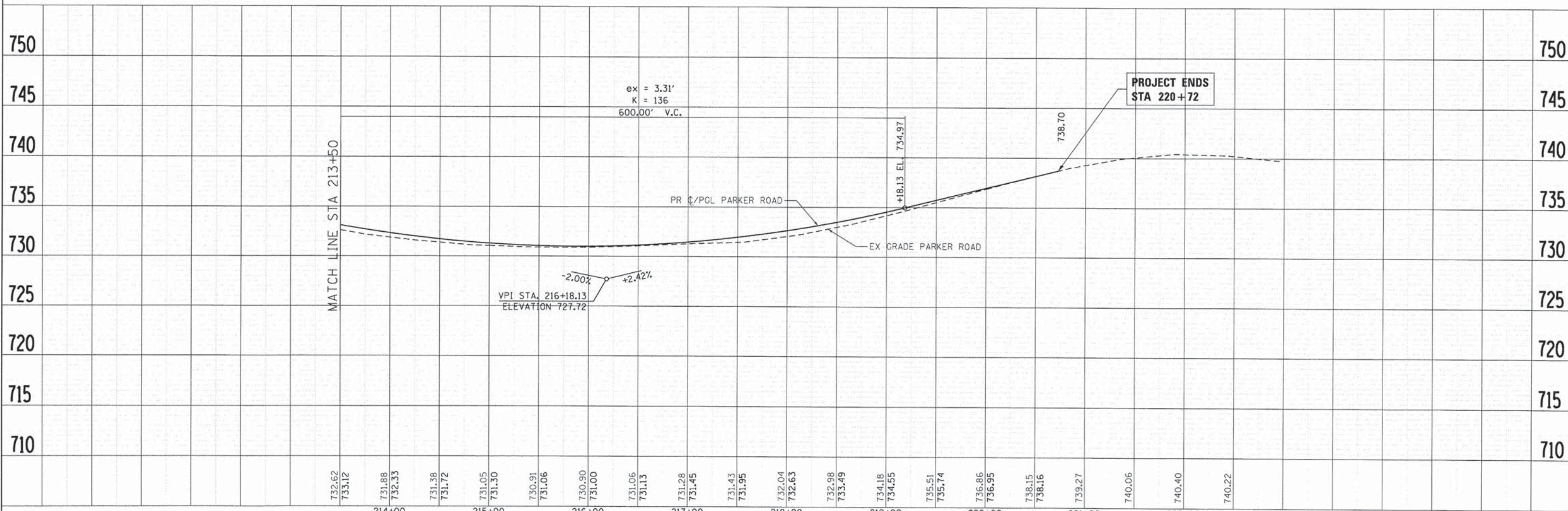
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	PLOTTED		
	CHECKED		
	DATE		
	FILE NAME		
	NO.		



NOTE:
FOR EXISTING AND PROPOSED
UTILITIES, SEE UTILITY SHEETS.



PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	DATE		
	FILE NAME		
	NO.		



COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 DATE PLOTTED: 12/4/2013 10:46:18 AM
 FILE NAME: 411-prp-04.dgn
 PLOT DRIVER: pdfcut
 PEN TABLE: standard-fron.rbl

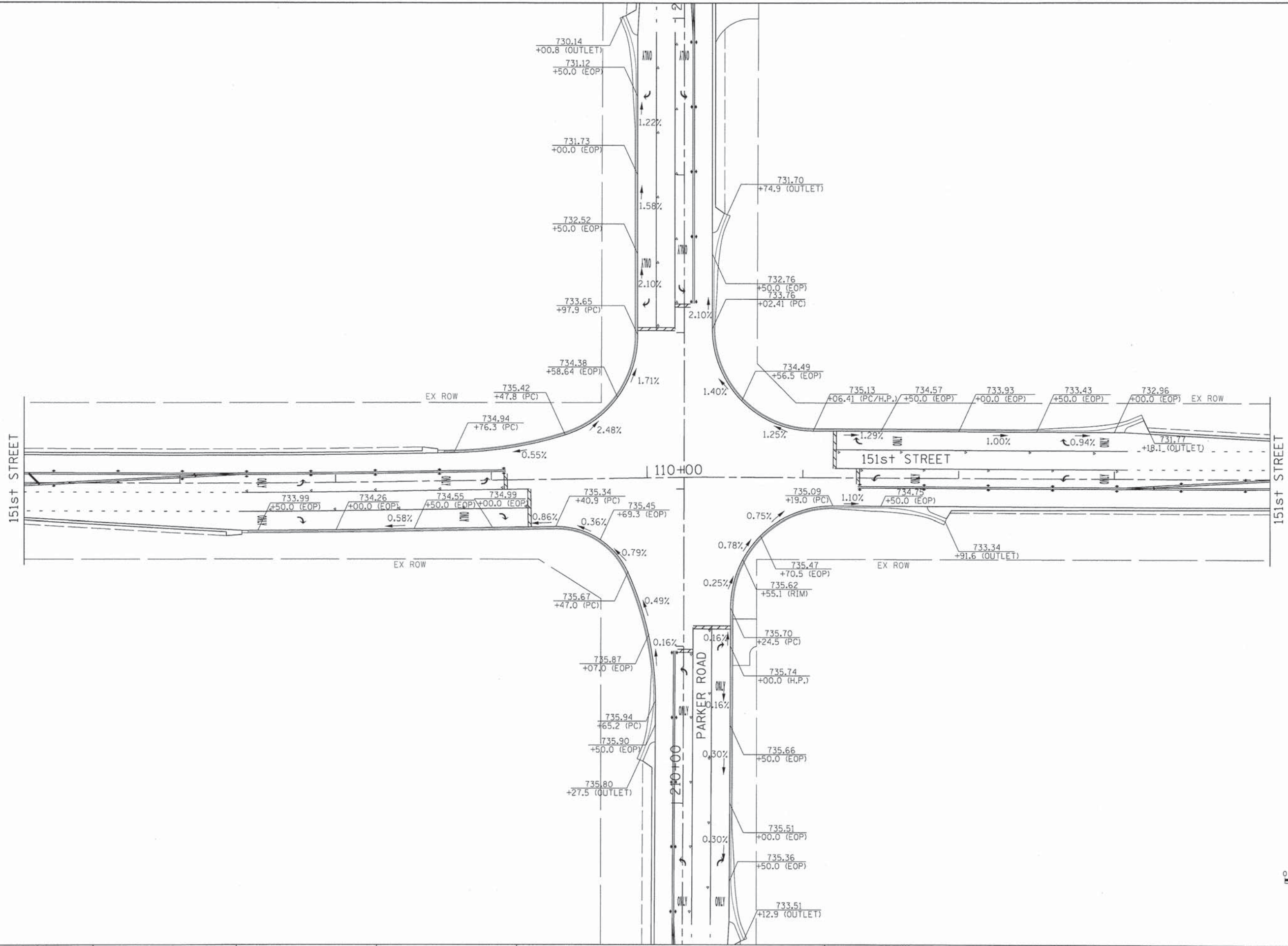
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PLOT DATE = 12/4/2013	DATE - 12/4/13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN AND PROFILE
PARKER ROAD

SCALE: 1" = 50' SHEET NO. 4 OF 4 SHEETS STA. 213+50 TO STA. 220+72

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	12-00014-00-CH	WILL	66	17
	FAU 3771, FAU 3763	CONTRACT NO.	63888	
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 CLIENT: Illinois Professional Design Firm
 DATE PLOTTED: 12/4/2013 10:46:23 AM
 FILE NAME: 411-pep_01.dgn
 PLOT SCALE: 1" = 30'
 PLOT DATE: 12/4/2013
 PLOT BY: JJS
 FOR TABLET

HRGreen	HRGreen.com Illinois Professional Design Firm #184-001322
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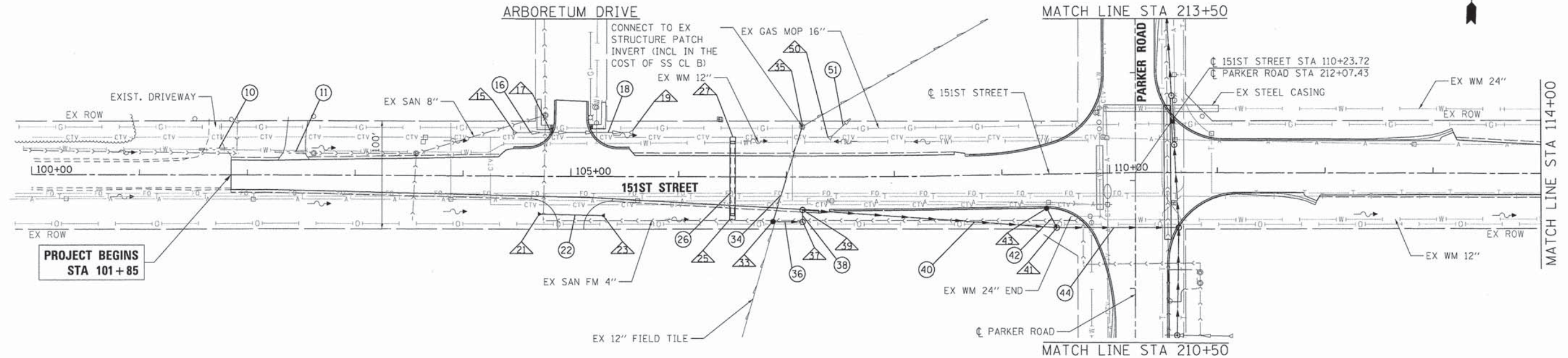
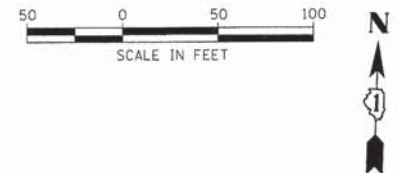
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PLOT DATE = 12/4/2013	DATE - 12/4/13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION GRADING PLAN
PARKER ROAD AND 151ST STREET

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

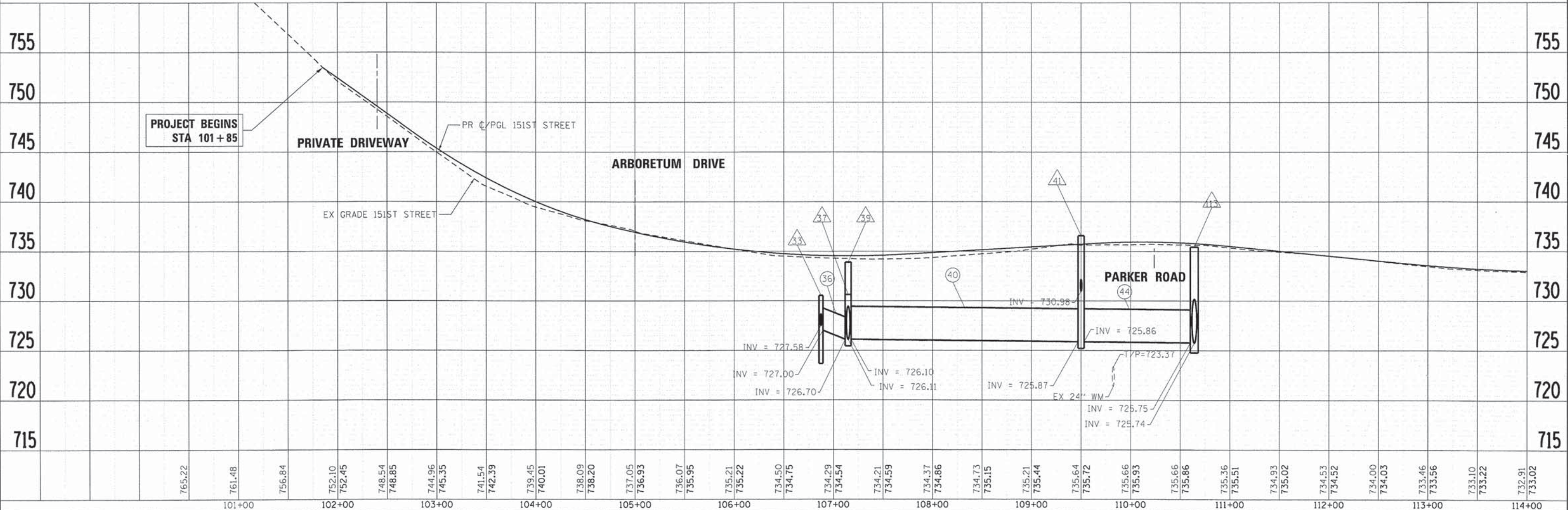
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	12-00014-00-CH	WILL	66	18
•	FAU 3771, FAU 3763	CONTRACT NO.	63888	
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



PROJECT BEGINS
STA 101+85

PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO.	

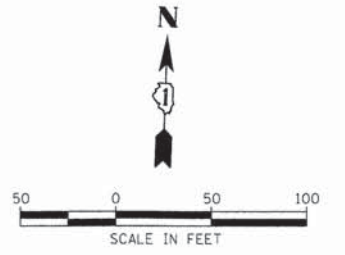
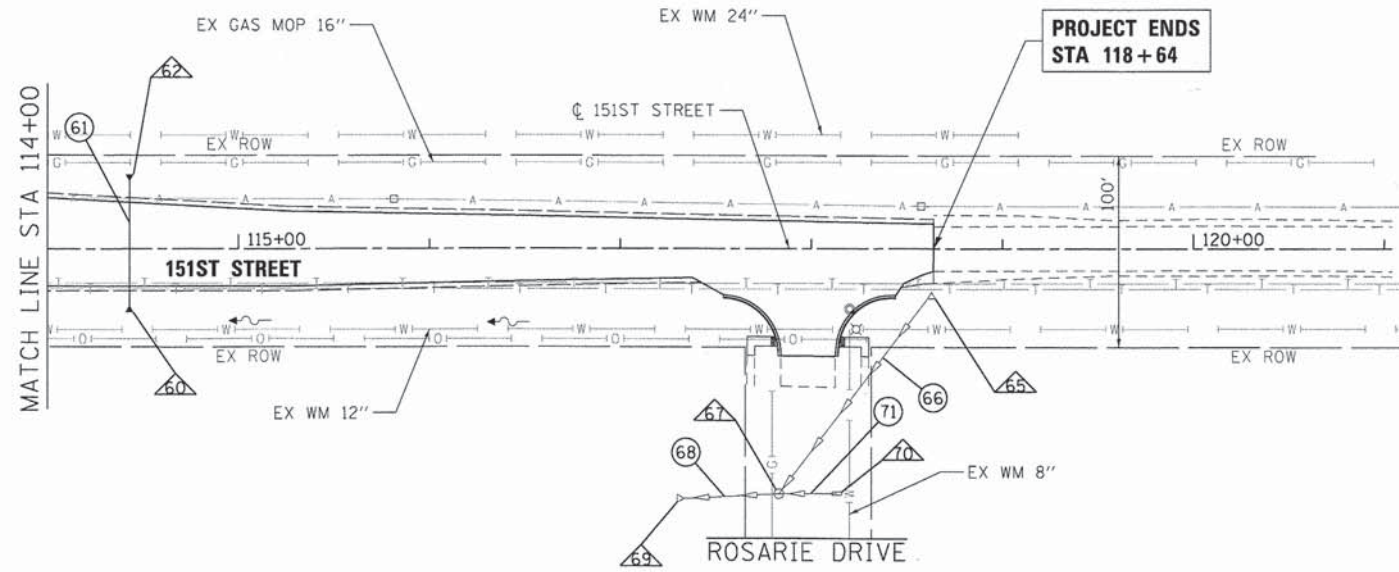


PROJECT BEGINS
STA 101+85

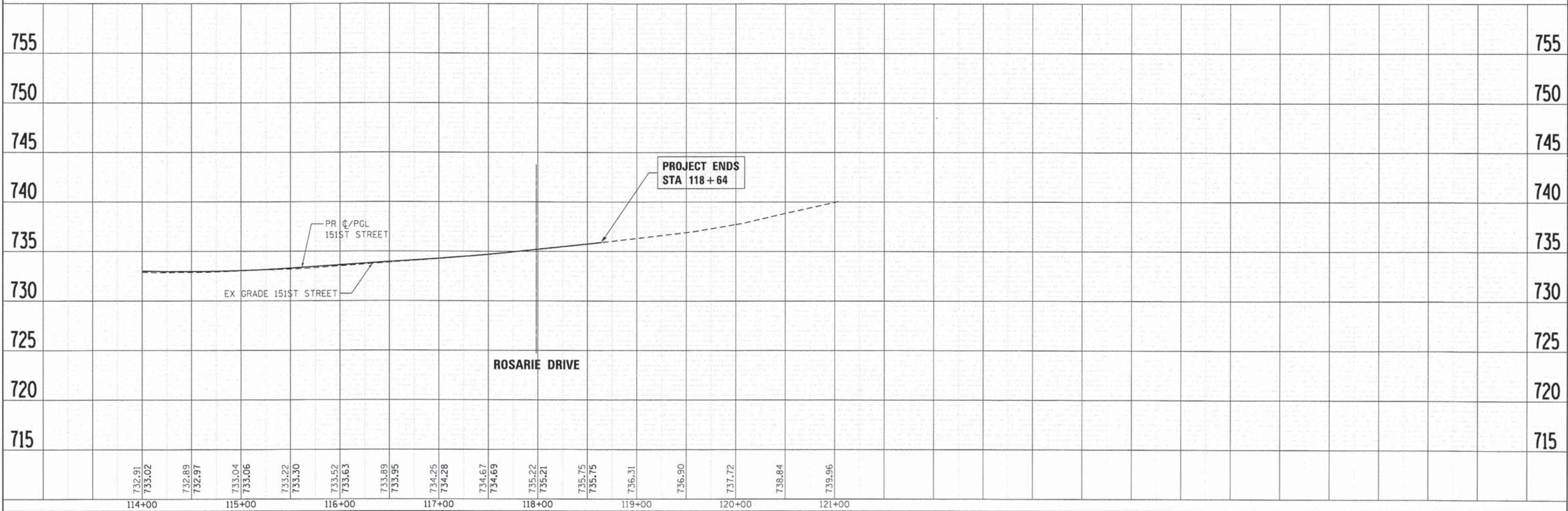
COMPANY NAME: HRGreen.com
 PROJECT CONTACT: Illinois Professional Design Firm #184-001322
 CLIENT: STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
 DATE PLOTTED: 12/19/2013 2:53:53 PM
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 PLOT SCALE: 1" = 50'
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101+00	102+00	103+00	104+00	105+00	106+00	107+00	108+00	109+00	110+00	111+00	112+00	113+00	114+00																
USER NAME = tyelton FILE NAME = 411-dr-151st-01.dgn PLOT SCALE = 1" = 50' PLOT DATE = 12/19/2013												DESIGNED - TAY DRAWN - DS CHECKED - JJS DATE - 12/19/13				REVISED - REVISED - REVISED - REVISED -				STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				DRAINAGE AND UTILITY PLAN 151ST STREET				F.A.U. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO. 12-00014-00-CH WILL 66 19	
SCALE: 1" = 50'												SHEET NO. 1 OF 5 SHEETS				STA. 101+85 TO STA. 114+00				FAU 3771, FAU 3763 CONTRACT NO. 63888 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT									

PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO.	



PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO.	



12/19/2013 2:16:18 PM
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 pefelt
 standard-trans.nb

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

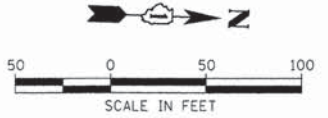
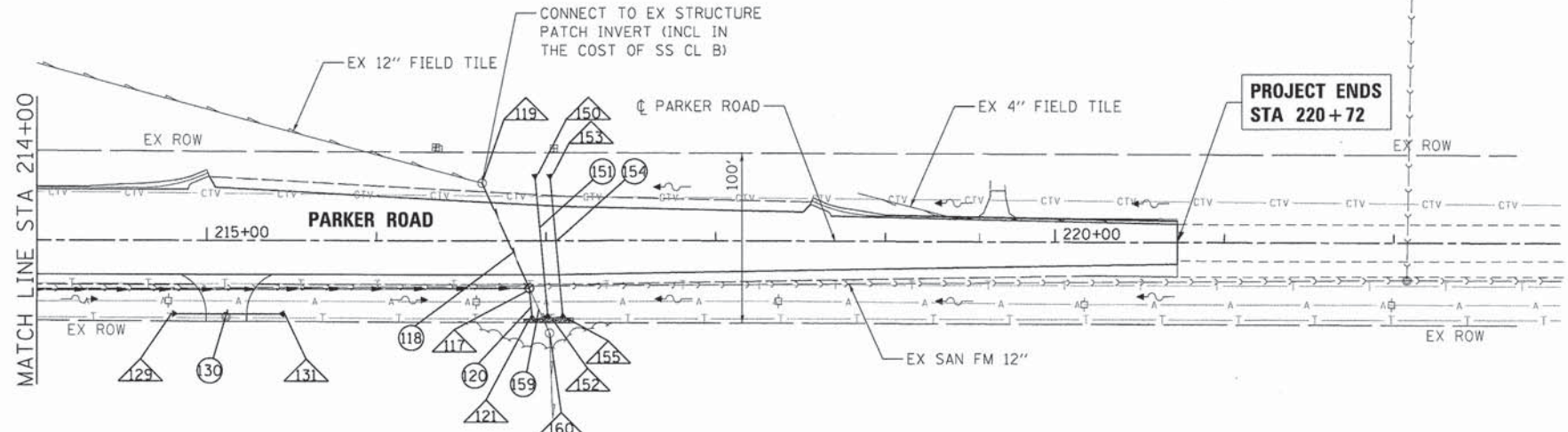
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

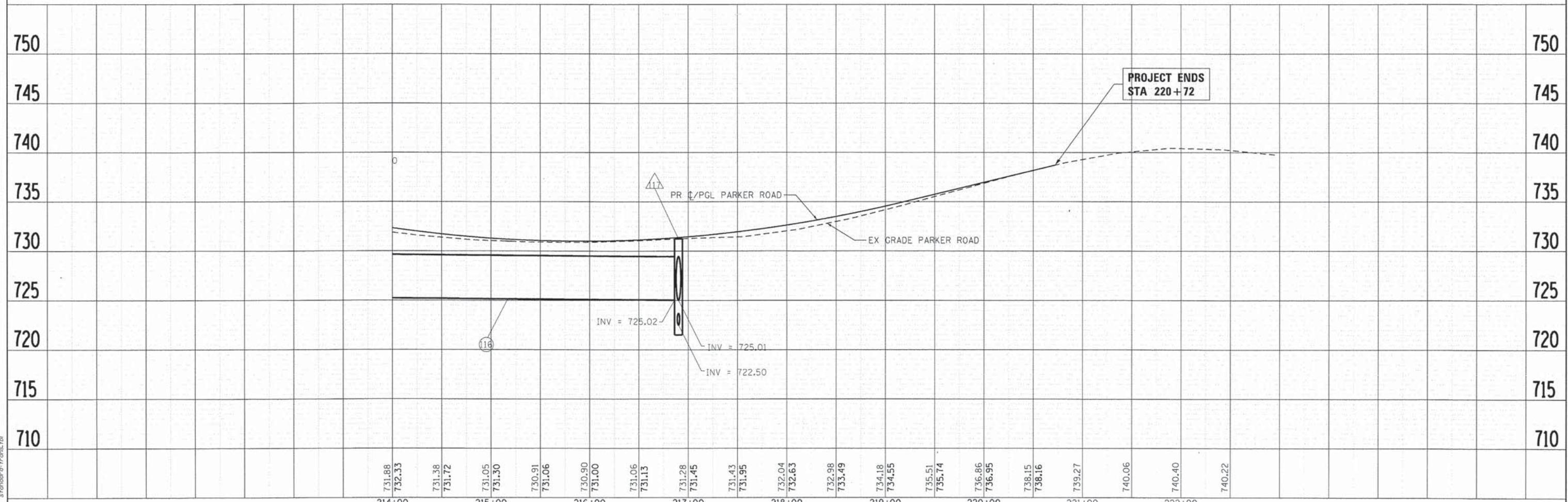
DRAINAGE AND UTILITY PLAN
151ST STREET
 SCALE: 1" = 50' SHEET NO. 2 OF 5 SHEETS STA. 114+00 TO STA. 118+64

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	12-00014-00-CH	WILL	66	20
FAU 3771, FAU 3763		CONTRACT NO. 63888		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	BY		
	FILE NAME		
	NO.		



PROF FILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	BY		
	FILE NAME		
	NO.		



COMPANY NAME: HRGreen.com
 PROJECT CONTACT: 12/19/2013 2:03:31 PM
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 PLOT DRIVER: pdfplot
 PEN TABLE: standard-trans.tbl

HRGreen.com Illinois Professional Design Firm # 184-001922	USER NAME = tyelton FILE NAME = 411-drain-04.dgn PLOT SCALE = 1" = 50' PLOT DATE = 12/19/2013	DESIGNED - TAY DRAWN - DS CHECKED - JJS DATE - 12/19/13	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		DRAINAGE AND UTILITY PLAN PARKER ROAD		F.A.U. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO. * 12-00014-00-CH WILL 66 22 * FAU 3771, FAU 3763 CONTRACT NO. 63888
				SCALE: 1" = 50'	SHEET NO. 4 OF 5 SHEETS	STA. 214+00	TO STA. 220+72	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

STRUCTURE NUMBER	STATION	OFFSET (FT)	STRUCTURE TYPE					DIA. (FT.)	FRAME & GRATE	INVERTS							RIM ELEVATION
			MH TYPE A	CB TYPE A	INL TYPE A	BOX END SECT	FES			NORTH	NORTHWEST	WEST	SOUTHWEST	SOUTH	SOUTHEAST	EAST	
151st STREET																	
EX 15	104+46.57	-40.2					1								734.78		
EX 17	104+81.60	-40.6			1		2	T23			733.58			733.48	736.90		
EX 19	105+57.21	-40.8					1								732.98		
21	104+70.81	34.9					1								733.50		
23	105+30.32	36.1					1								732.86		
25	106+50.06	33.9				1									730.72		
27	106+50.06	-30.8				1									730.22		
33	106+87.53	41.5		1			4	T37M			727.58			727.00	730.53		
EX 35	107+14.60	-46.7		1			4				726.60			726.50	731.26		
37	107+14.93	41.7	1				6	T37M	726.12		726.70				730.62		
39	107+14.94	30.5	1				6	T10L				726.11		726.10	733.90		
41	109+50.00	49.7	1				6	T1CL		730.98	725.87			725.86	736.57		
43	109+40.93	31.6		1			4	T11					731.06		735.06		
EX 50	107+40.61	-36.3					1								729.68		
60	114+43.00	29.5					1								729.72		
62	114+43.01	-34.2					1								729.21		
EX 69	117+30.94	130.6					1								727.56		
EX 67	117+82.94	128.1		1			4				729.08		729.33	730.18	733.13		
EX 70	118+13.29	128.0			1		2	T23			730.88				733.27		
EX 65	118+62.85	25.0					1								732.53		

STRUCTURE NUMBER	STATION	OFFSET (FT)	STRUCTURE TYPE					DIA. (FT.)	FRAME & GRATE	INVERTS							RIM ELEVATION
			MH TYPE A	CB TYPE A	INL TYPE A	BOX END SECT	FES			NORTH	NORTHWEST	WEST	SOUTHWEST	SOUTH	SOUTHEAST	EAST	
PARKER ROAD																	
105	208+24.11	-36.7					1								731.30		
107	208+81.00	-36.7		1			4	T8				730.00		729.50	733.17		
109	208+81.03	44.7		1			4	T8	728.05		729.02				732.50		
111	210+57.07	39.1	1				4	T1CL	726.47			727.70		726.47	734.01		
113	211+56.60	40.4	1				8	T11	725.74		725.75			726.28	735.43		
113A	212+33.3	36.2	1				8	T1CL	725.60			725.60			735.12		
113B	212+78.77	33.6	1				8	T1CL	725.52			725.52			734.24		
115	213+55.11	29.5	1				8	T1CL	725.25			725.60			731.40		
117	216+90.14	28.1	SPL				8	T1CL				723.03	725.02	725.01	731.00		
EX 119	216+62.31	-33.7		1			4					724.10		724.10	726.56		
121	216+91.73	45.5					1								725.00		
EX 126	210+56.46	89.1					1								726.86		
129	214+80.85	43.2					1								726.50		
131	215+44.58	43.3					1								726.34		
150	216+93.53	-37.8					1								726.43		
152	217+01.05	44.5					1								724.45		
153	217+02.36	-37.8					1								726.43		
155	217+09.88	44.5					1								724.45		
EX 160	217+02.03	54.5			1		2	T23				723.36			724.99		

PIPE NO.	FROM STRUCT.	TO STRUCT.	PRC CONC BOX CULVERT 2'x4'	PIPE CULVERT CLASS A 11 18"	STORM SEWER, CLASS A				STORM SEWER CLASS B 12 12"	SLOPE (%)	TBF (CY)
					T1 15"	T1 24"	T2 12"	T2 36"			
151st STREET											
EX 10				EX 32						10.06%	
EX 11				EX 33						7.50%	
EX 16	15	17			EX 28					4.29%	
EX 18	17	19			EX 69					0.66%	
22	21	23		50						1.03%	4.5
26	25	27	61							0.82%	41.0
34	33	35						88		1.00%	63.1
36	33	37			24					1.25%	
38	37	39						6		0.17%	
40	39	41						232		0.10%	72.4
42	43	41				17				0.47%	
44	41	113						107		0.10%	168.0
EX 51	50				EX 28					0.04%	
61	60	62		60						0.71%	13.6
EX 66	65	67			EX 129					2.11%	
EX 68	67	69			EX 44					2.55%	
EX 71	70	67				EX 31				2.26%	

PIPE NO.	FROM STRUCT.	TO STRUCT.	PIPE CULVERT, CL A				STORM SEWER, CLASS A				STORM SEWER CLASS B EORS T2 24"	STORM SEWER CLASS B T2 12"	SLOPE (%)	TBF (CY)	
			T1 15"	T1 36"	T1 48"	T2 18"	T2 24"	T2 36"	T2 48"						
PARKER ROAD															
106	105	107					51							2.28%	14.3
108	107	109					79							0.61%	74.2
110	109	111						173						0.20%	
112	111	113							95					0.20%	45.9
114A	113	113A								70				0.20%	134.7
114B	113A	113B								*78				0.20%	*23.3
114C	113B	115							70					0.20%	
116	115	117					328							0.07%	231.0
118	119	117									62			1.73%	67.1
120	117	121					6							0.20%	
EX 125	126	111							EX 48					0.81%	
130	129	131	54											0.30%	3.4
151	150	152					69							2.33%	74.3
154	153	155					69							2.33%	74.3
EX 159	117	160									EX 23			0.04%	

•NOTE:

DUAL EORS 24" DIAMETER STORM SEWER PIPES TO BE PLACED PARALLEL IN SAME TRENCH SIDE BY SIDE. CA-7 WASHED STONE SHALL BE USED AS BACKFILL TO A POINT 18" ABOVE TOP OF PIPE. THE REMAINING BACKFILL SHALL BE CA-6 CRUSHED STONE OR GRAVEL TO TOP OF TRENCH. THIS WORK SHALL BE INCLUDED IN THE COST OF TRENCH BACKFILL.

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 PROJECT CONTACT: HRGreen
 CLIENT: HRGreen
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HRGreen.com
 Illinois Professional Design Firm
 # 184-001322

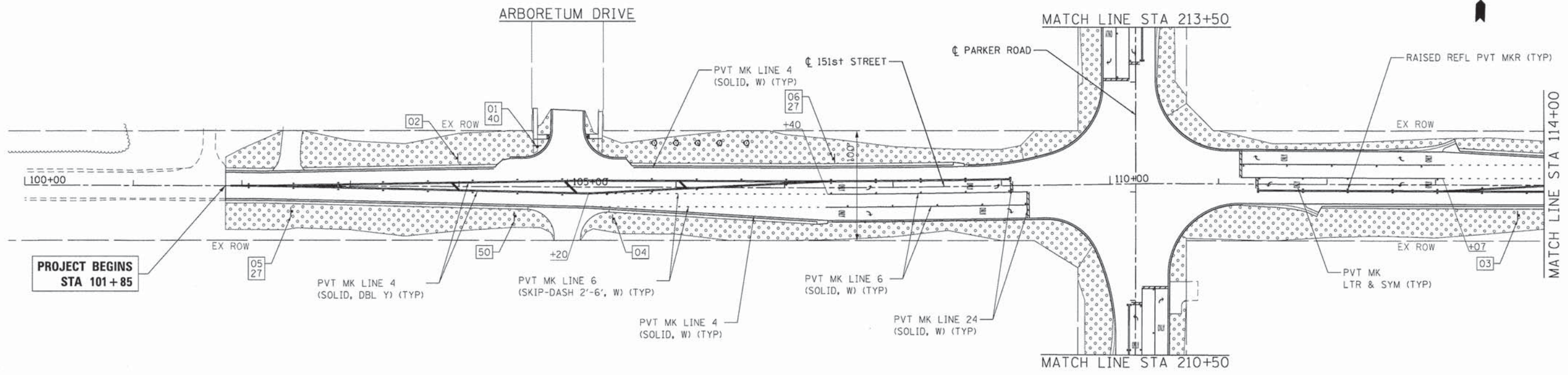
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE SCHEDULE OF QUANTITIES
151ST STREET & PARKER ROAD**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	12-00014-00-CH	WILL	66	23
•	FAU 3771, FAU 3763	CONTRACT NO.	63888	
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

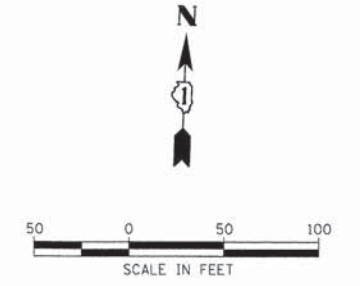
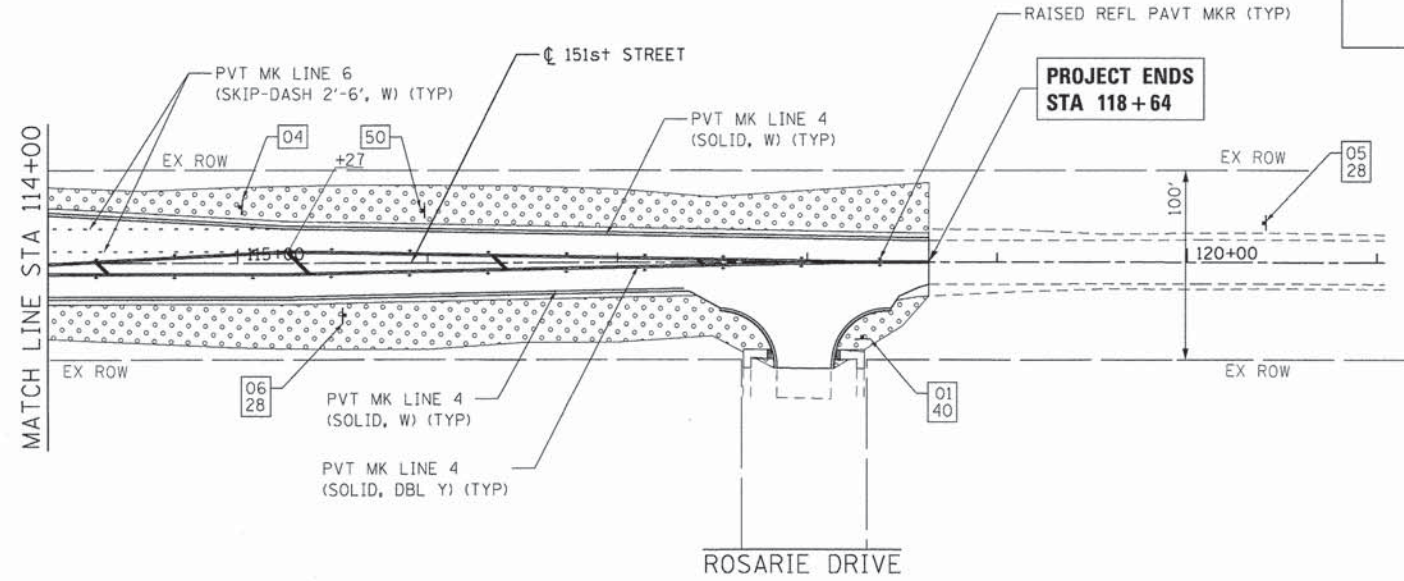


- LEGEND:**
- SEEDING, CLASS 2A HEAVY DUTY EROSION CONTROL BLANKET (SO YD)
 - TREE, CLEDITSIA TRIACANTHOS INERMIS SKYLINE (SKYLINE THORNLESS COMMON HONEYLOCUST), 3" CALIPER, BALLED AND BURLAPPED
 - EVERGREEN, JUNIPERUS VIRGINIANA (EASTERN RED CEDAR), 8' HEIGHT, BALLED AND BURLAPPED

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

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

ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC, AND RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED PER THE CONSTRUCTION DETAILS AND MUTCD STANDARDS



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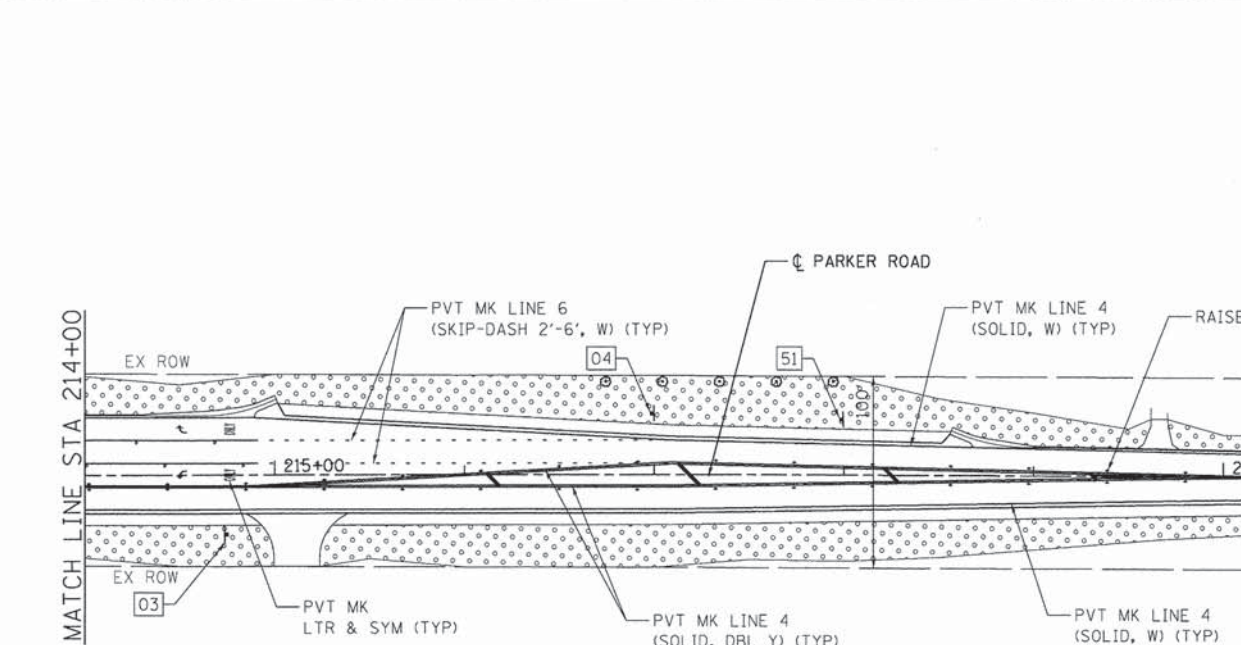
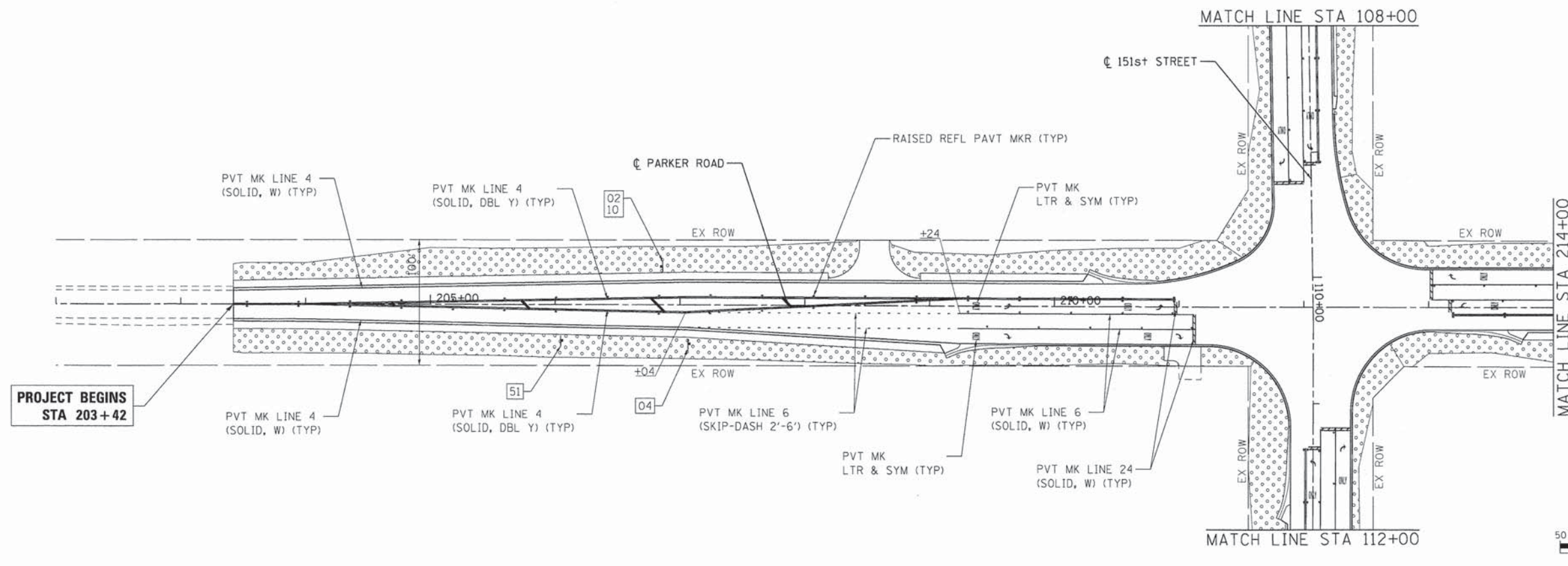
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING, SIGNING AND LANDSCAPE PLAN
151ST STREET**

SCALE: 1" = 50' SHEET NO. 1 OF 3 SHEETS STA. 101+85 TO STA. 118+64

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	12-00014-00-CH	WILL	66	24
* FAU 3771, FAU 3763		CONTRACT NO. 63888		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



LEGEND:

- SEEDING, CLASS 2A
HEAVY DUTY EROSION CONTROL
BLANKET (SQ YD)
- TREE, GLEDITSIA TRIACANTHOS INERMIS SKYLINE
(SKYLINE THORNLESS COMMON HONEYLOCUST),
3" CALIPER, BALLED AND BURLAPPED
- EVERGREEN, JUNIPERUS VIRGINIANA
(EASTERN RED CEDAR), 8' HEIGHT,
BALLED AND BURLAPPED

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

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

ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC, AND RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED PER THE CONSTRUCTION DETAILS AND MUTCD STANDARDS

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 CLIENT: HRGreen.com
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 PLOT SCALE: 1" = 50'
 PLOT DATE: 12/4/2013

HRGreen
 HRGreen.com
 Illinois Professional Design Firm
 #184-01322

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PLOT DATE = 12/4/2013	DATE - 12/4/13	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING, SIGNING AND LANDSCAPE PLAN
 PARKER ROAD**

SCALE: 1" = 50' SHEET NO. 2 OF 3 SHEETS STA. 203+42 TO STA. 220+72

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	12-00014-00-CH	WILL	66	25
• FAU 3771, FAU 3763		CONTRACT NO. 63888		
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



01
R1-1
36" X 36"



02
R2-1
30" X 36"



03
R2-1
30" X 36"



04
R3-8b
48" X 30"



05
W2-2
36" X 36"



06
W2-2
36" X 36"



10
R12-1
24" X 30"

151st St

25
CUSTOM
24" X 12"

Parker Rd

26
CUSTOM
24" X 12"

Arboretum Dr

27
CUSTOM
24" X 12"

Rosarie Dr

28
CUSTOM
24" X 12"

CROSS TRAFFIC
DOES NOT STOP

40
W4-4p
24" X 12"

Parker Rd

50
CUSTOM
60" X 18"

151st St

51
CUSTOM
60" X 18"

COMPANY NAME: HRGreen
PROJECT CONTACT: HRGreen.com
DATE PLOTTED: 12/4/2013 12:17:47 PM
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PLOT DATE = 12/4/2013	DATE - 12/4/13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING, SIGNING AND LANDSCAPE PLAN
SIGN LEGEND

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	12-00014-00-CH	WILL	66	26
* FAU 3771, FAU 3763			CONTRACT NO. 63888	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

EROSION CONTROL GENERAL NOTES

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








EROSION CONTROL GENERAL NOTES (CONT.)

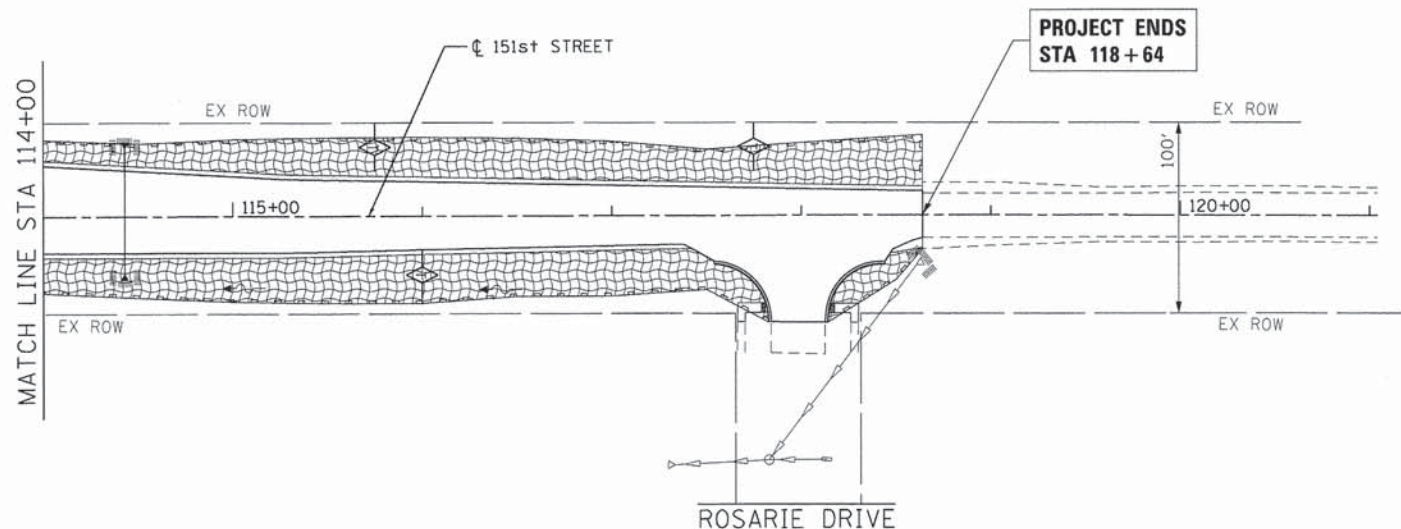
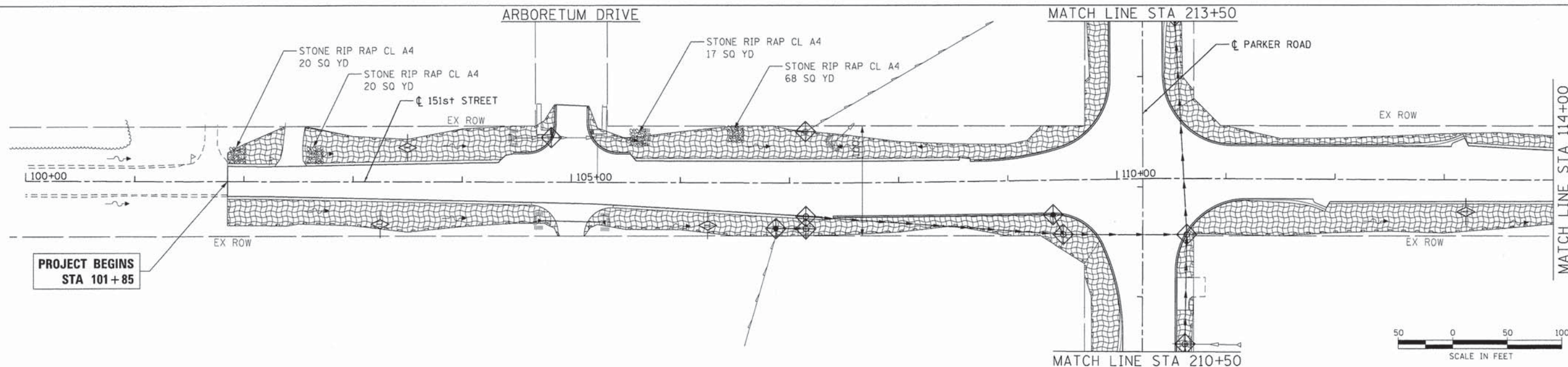
6. WATER PUMPED OR OTHERWISE DISCHARGED FROM THE SITE DURING CONSTRUCTION DEWATERING SHALL BE FILTERED.
7. WHEN TEMPORARY DRAINAGE IS ESTABLISHED, EROSION CONTROL MEASURES MAY BE REQUIRED BY THE ENGINEER.
8. GRAVEL ROADS, ACCESS DRIVES, PARKING AREAS OF SUFFICIENT WIDTH AND LENGTH, AND VEHICLE WASH DOWN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

EROSION CONTROL GENERAL NOTES (CONT.)

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

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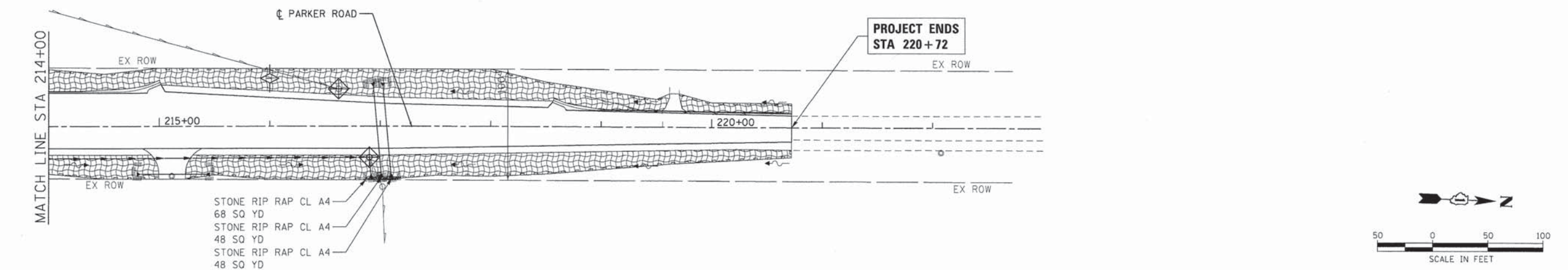
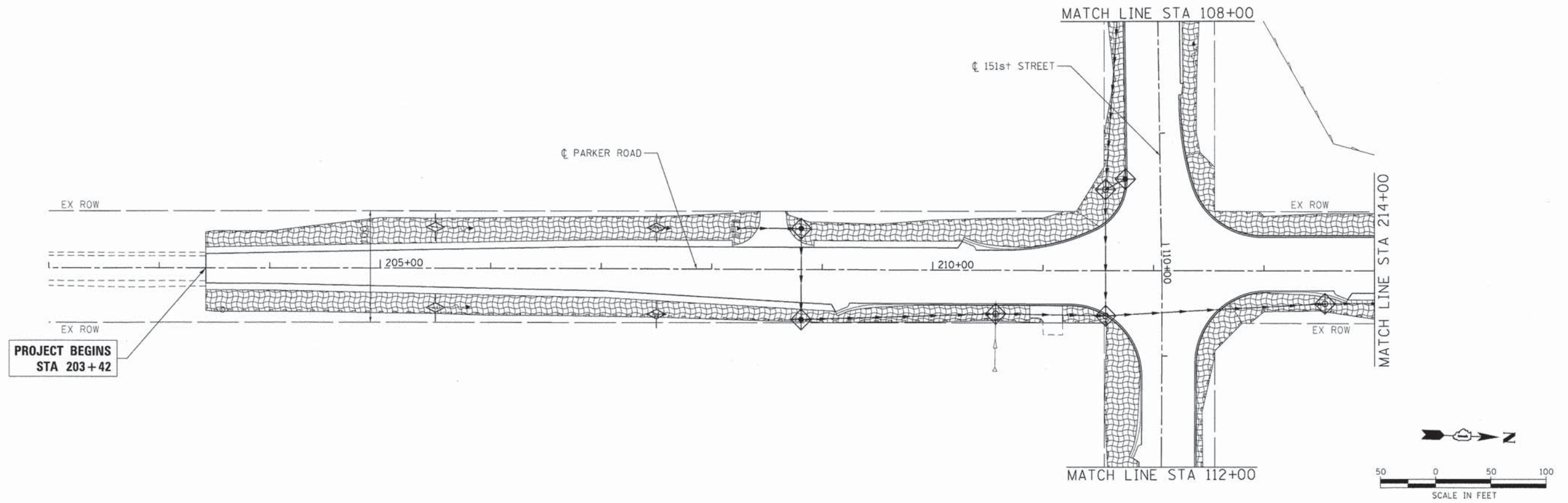
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL PLAN
 151ST STREET**

SCALE: 1" = 50' SHEET NO. 1 OF 2 SHEETS STA. 101+85 TO STA. 118+64

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	12-00014-00-CH	WILL	66	27
* FAU 3771, FAU 3763			CONTRACT NO. 63888	
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)

STONE RIP RAP CL A4
68 SQ YD
STONE RIP RAP CL A4
48 SQ YD
STONE RIP RAP CL A4
48 SQ YD

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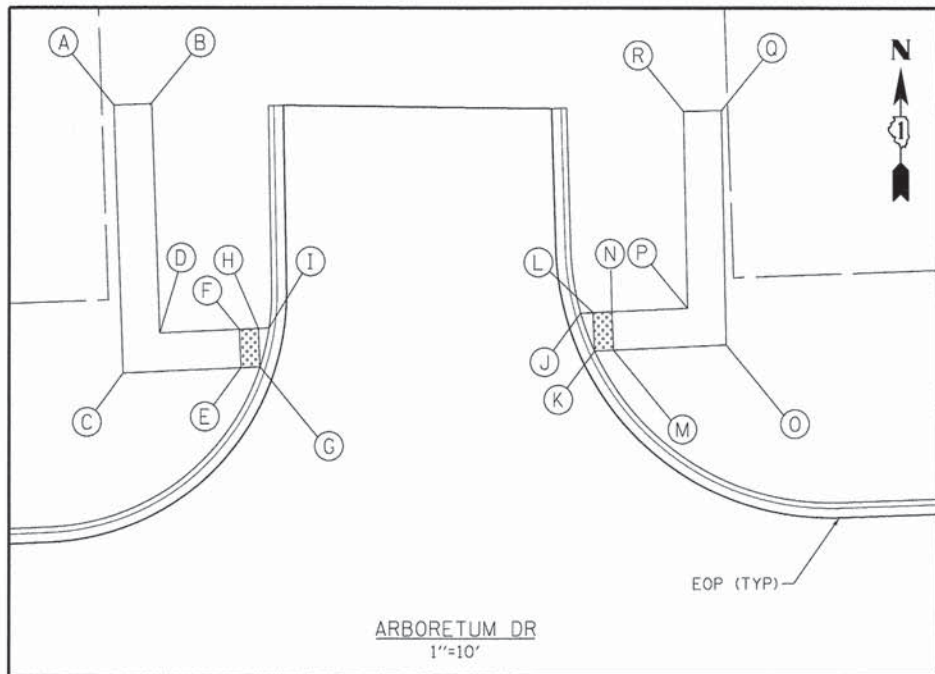
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

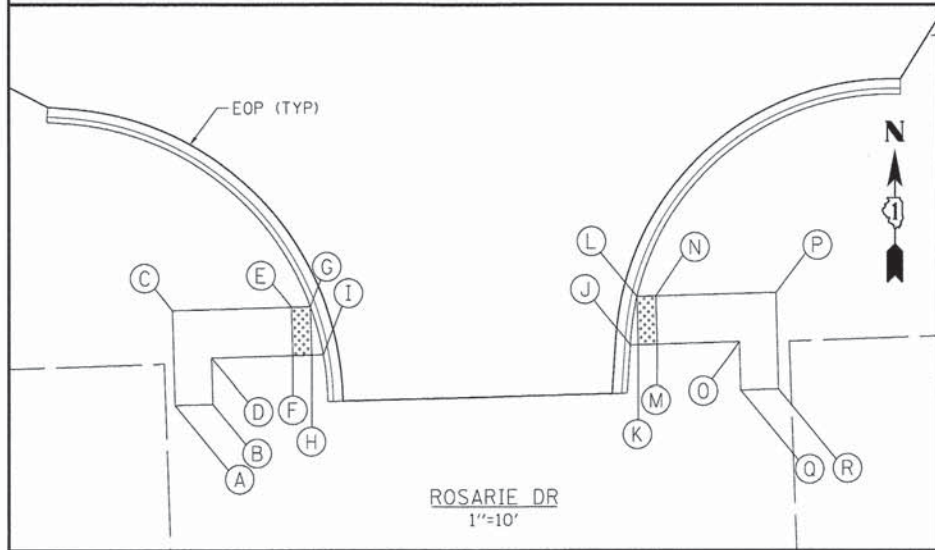
**EROSION CONTROL PLAN
PARKER ROAD**

SCALE: 1" = 50' SHEET NO. 2 OF 2 SHEETS STA. 203+42 TO STA. 220+72

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	12-00014-00-CH	WILL	66	28
* FAU 3771, FAU 3763			CONTRACT NO. 63888	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



ARBORETUM DR
1"=10'

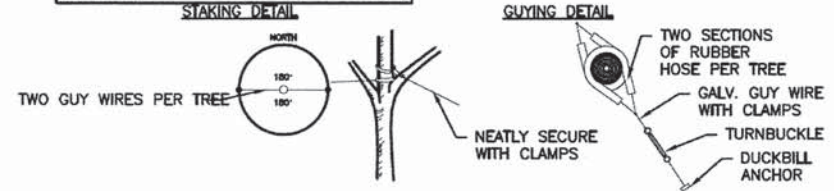


ROSARIE DR
1"=10'

POINT DESCRIPTION ARBORETUM DR						
POINT	STATION	OFFSET	EXISTING ELEVATION	GUTTER FLOWLINE	SIDEWALK, DRIVEWAY, OR RAMP	REMARK
A	104+68.3	71.3' LT	737.79		737.79	MEET EX
B	104+72.3	71.3' LT	737.51		737.51	MEET EX
C	104+68.4	43.3' LT			737.69	
D	104+72.4	47.3' LT			737.51	
E	104+80.8	43.5' LT			737.14	
F	104+80.8	47.5' LT			737.14	
G	104+82.8	43.5' LT		736.92	737.05	
H	104+82.8	47.5' LT			737.05	
I	104+83.9	47.5' LT		736.90	737.03	
J	105+16.8	48.0' LT		736.23	736.36	
K	105+18.2	44.0' LT		736.19	736.32	
L	105+18.1	48.0' LT			736.42	
M	105+20.2	44.0' LT			736.35	
N	105+20.1	48.0' LT			736.45	
O	105+32.1	44.2' LT			736.51	
P	105+28.1	48.1' LT			736.56	
Q	105+32.3	68.7' LT	736.59		736.59	MEET EX
R	105+28.3	68.7' LT	736.56		736.56	MEET EX

GUYING STANDARDS

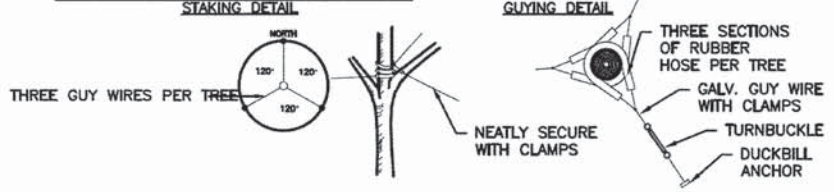
- TWO (2) MODEL 68 DUCKBILL ANCHORS (HOLDING CAPACITY 1100# PER ANCHOR IN NORMAL SOIL)
- 13' OF 3/8" 7x7 GALVANIZED STEEL CABLE WITH TURNBUCKLE ATTACHED MID-CABLE
- 3/8" DIAMETER THIN WALL P.V.C. TUBING (WHITE) 48" MINIMUM LENGTH, ONE (1) REQUIRED/EACH GUY.
- TWO (2) TURNBUCKLES, EYE AND EYE TYPE, 3/8" THREAD DIAMETER WITH 3" TAKE-UP
- FOUR (4) 3/8" CABLE CLAMPS, ZINC PLATED (DR-2 STEEL DRIVE ROD 2" LONG WITH 3/8" ROUND DRIVING TIP NEEDED TO INSTALL ANCHORS. ONE ROD, NOT INCLUDED IN KIT, DRIVES HUNDREDS OF ANCHORS)
- TWO (2) RUBBER HOSE TREE COLLARS, 21" LONG, EA.



*APPLIES TO SINGLE TRUNK DECIDUOUS TREES 3" CAL. AND LESS & EVERGREEN TREES 8' HT. AND LESS

GUYING STANDARDS

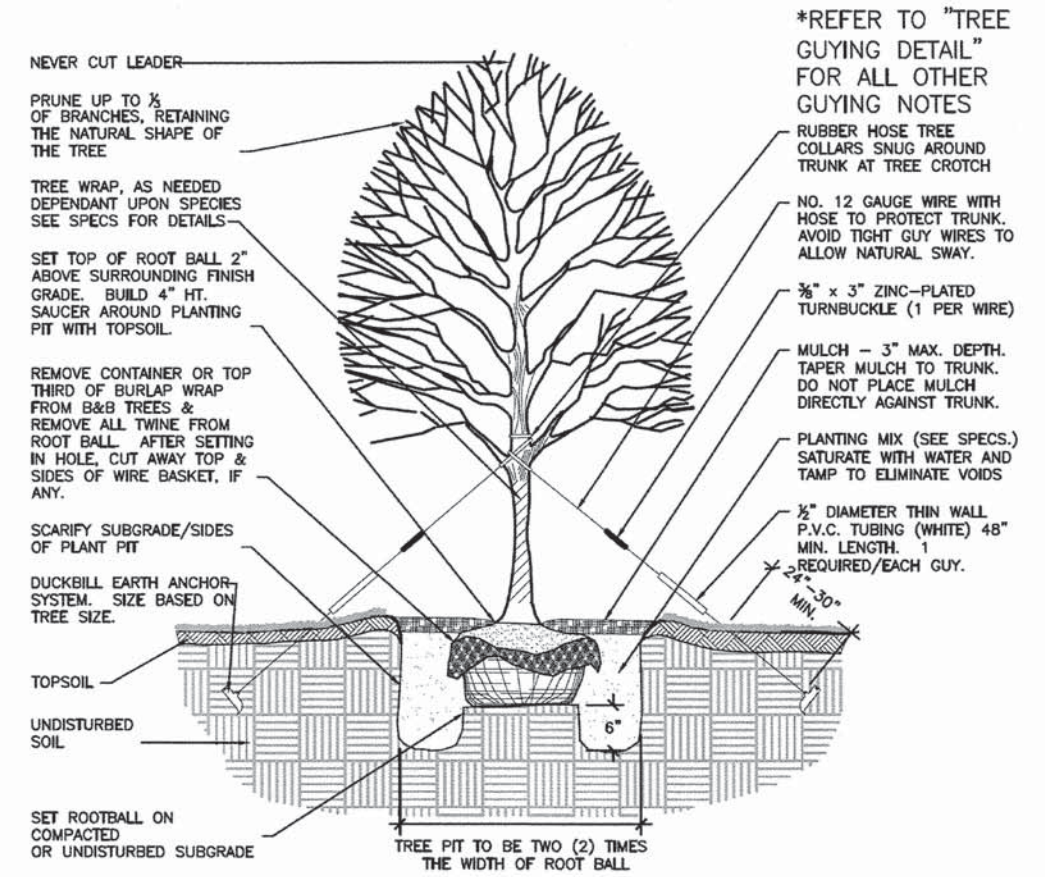
- THREE (3) MODEL 68 DUCKBILL ANCHORS (HOLDING CAPACITY 1100# PER ANCHOR IN NORMAL SOIL)
- 13' OF 3/8" 7x7 GALVANIZED STEEL CABLE WITH TURNBUCKLE ATTACHED MID-CABLE
- 3/8" DIAMETER THIN WALL P.V.C. TUBING (WHITE) 48" MINIMUM LENGTH, ONE (1) REQUIRED/EACH GUY.
- THREE (3) TURNBUCKLES, EYE AND EYE TYPE, 3/8" THREAD DIAMETER WITH 3" TAKE-UP
- SIX (6) 3/8" CABLE CLAMPS, ZINC PLATED (DR-2 STEEL DRIVE ROD 2" LONG WITH 3/8" ROUND DRIVING TIP NEEDED TO INSTALL ANCHORS. ONE ROD, NOT INCLUDED IN KIT, DRIVES HUNDREDS OF ANCHORS)
- THREE (3) RUBBER HOSE TREE COLLARS, 21" LONG, EA.



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

TYP. GUYING DETAIL

SCALE: NTS



TYP. DECIDUOUS TREE PLANTING DETAIL

SCALE: NTS

POINT DESCRIPTION ROSARIE DR						
POINT	STATION	OFFSET	EXISTING ELEVATION	GUTTER FLOWLINE	SIDEWALK, DRIVEWAY, OR RAMP	REMARK
A	117+66.3	55.8' RT	734.36		734.36	MEET EX
B	117+70.3	55.8' RT	734.34		734.34	MEET EX
C	117+66.4	46.0' RT			734.51	
D	117+70.4	51.0' RT			734.34	
E	117+79.0	46.0' RT			734.29	
F	117+78.9	51.0' RT			734.19	
G	117+81.0	46.1' RT		734.12	734.25	
H	117+80.9	51.1' RT			734.15	
I	117+82.2	51.1' RT		734.00	734.13	
J	118+14.6	51.3' RT		734.31	734.44	
K	118+15.4	51.3' RT			734.46	
L	118+15.4	46.3' RT		734.43	734.56	
M	118+17.4	51.3' RT			734.50	
N	118+17.4	46.3' RT			734.60	
O	118+26.1	51.4' RT			734.66	
P	118+30.1	46.4' RT			734.83	
Q	118+26.0	56.4' RT	734.66		734.66	MEET EX
R	118+30.0	56.4' RT	734.74		734.74	MEET EX

COMPANY NAME: HRGreen
 PROJECT CONTACT: taylor@hrgreen.com
 CLIENT: HRGreen
 DATE PLOTTED: 12/4/2013 10:56:20 AM
 PLOT DRIVER: plot_driver
 PEN TABLE: standard-trans.tbl



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DESIGNED - TAY
 DRAWN - TAY
 CHECKED - JJS
 DATE - 12/4/13

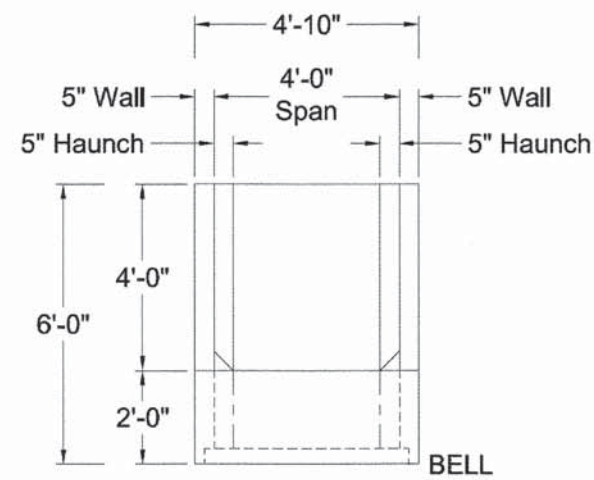
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

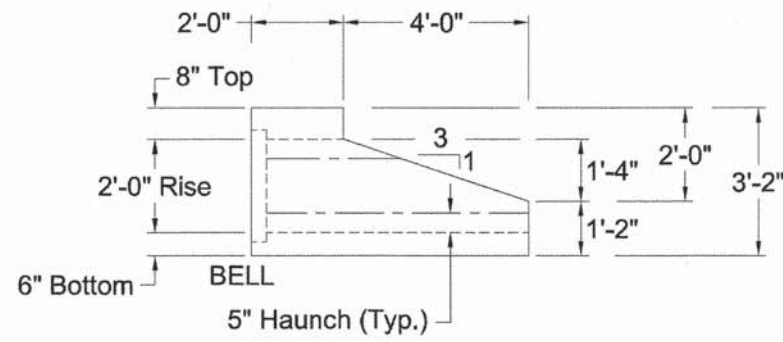
CONSTRUCTION DETAILS
 MISCELLANEOUS

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

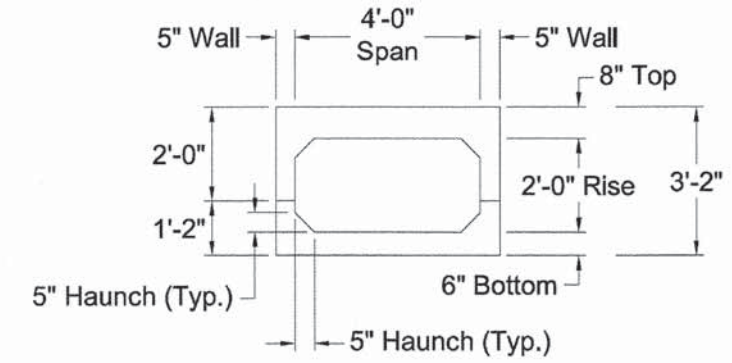
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
12-00014-00-CH	WILL	66	29	
FAU 3771, FAU 3763				CONTRACT NO. 63888



PLAN VIEW



SIDE VIEW

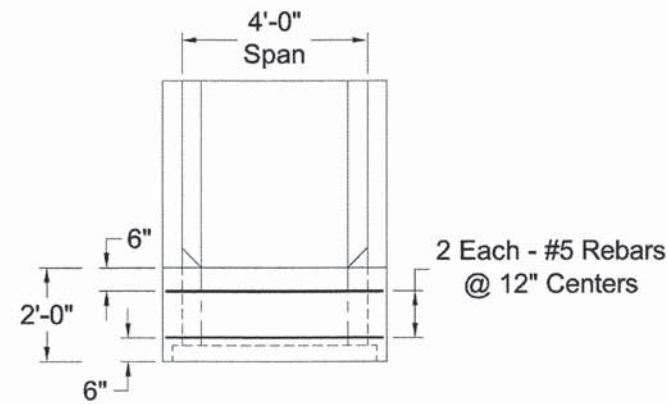


END VIEW

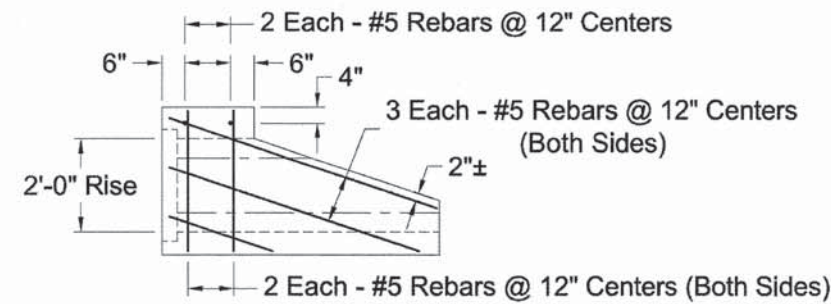
BOX END SECTION NOTES:

- Precast Box End Section to be manufactured per requirements of A.S.T.M. C-1577 for Boxes 2' to 6' of Cover subject to HL-93 Loading and all I.D.O.T requirements.
- Steel for Box End Section to be same as for Box Culvert Pieces (See Drawing #1). For ADDITIONAL Rebar Reinforcing see Details below.
- Concrete shall have a minimum 28 day compressive strength of 5,000 p.s.i.

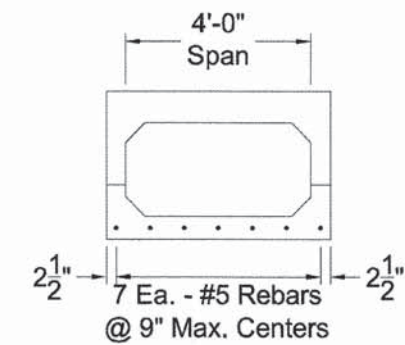
PRECAST BOX CULVERT DETAILS



PLAN VIEW

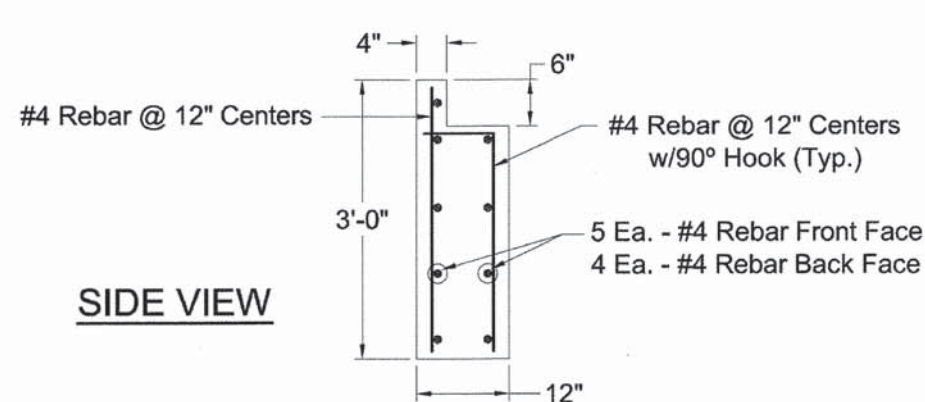


SIDE VIEW

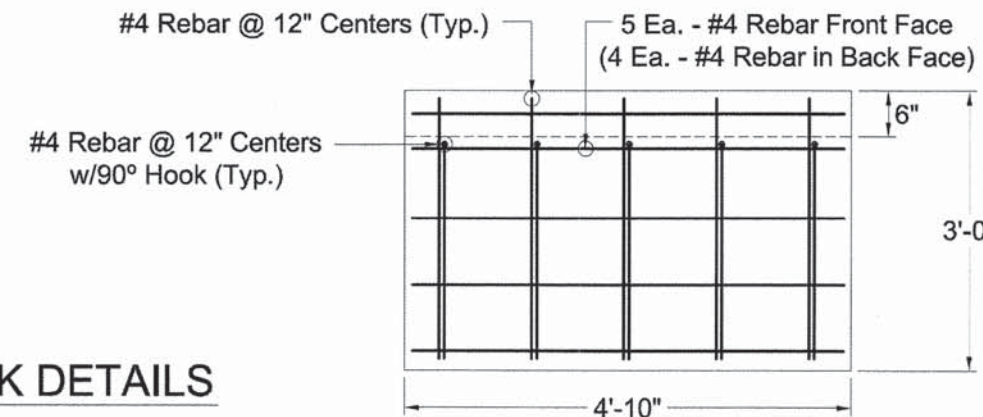


END VIEW

ADDITIONAL REINFORCING DETAILS



SIDE VIEW



FRONT VIEW

PRECAST TOE BLOCK DETAILS

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 CLIENT: Illinois Professional Design Firm
 DATE PLOTTED: 12/16/2013 11:28:04 AM
 FILE NAME: 411-det-box.dgn
 PLOT SCALE: N.T.S.
 PLOT DRIVER: pdfplot
 PEN TABLE: standard-trans.tbl



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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

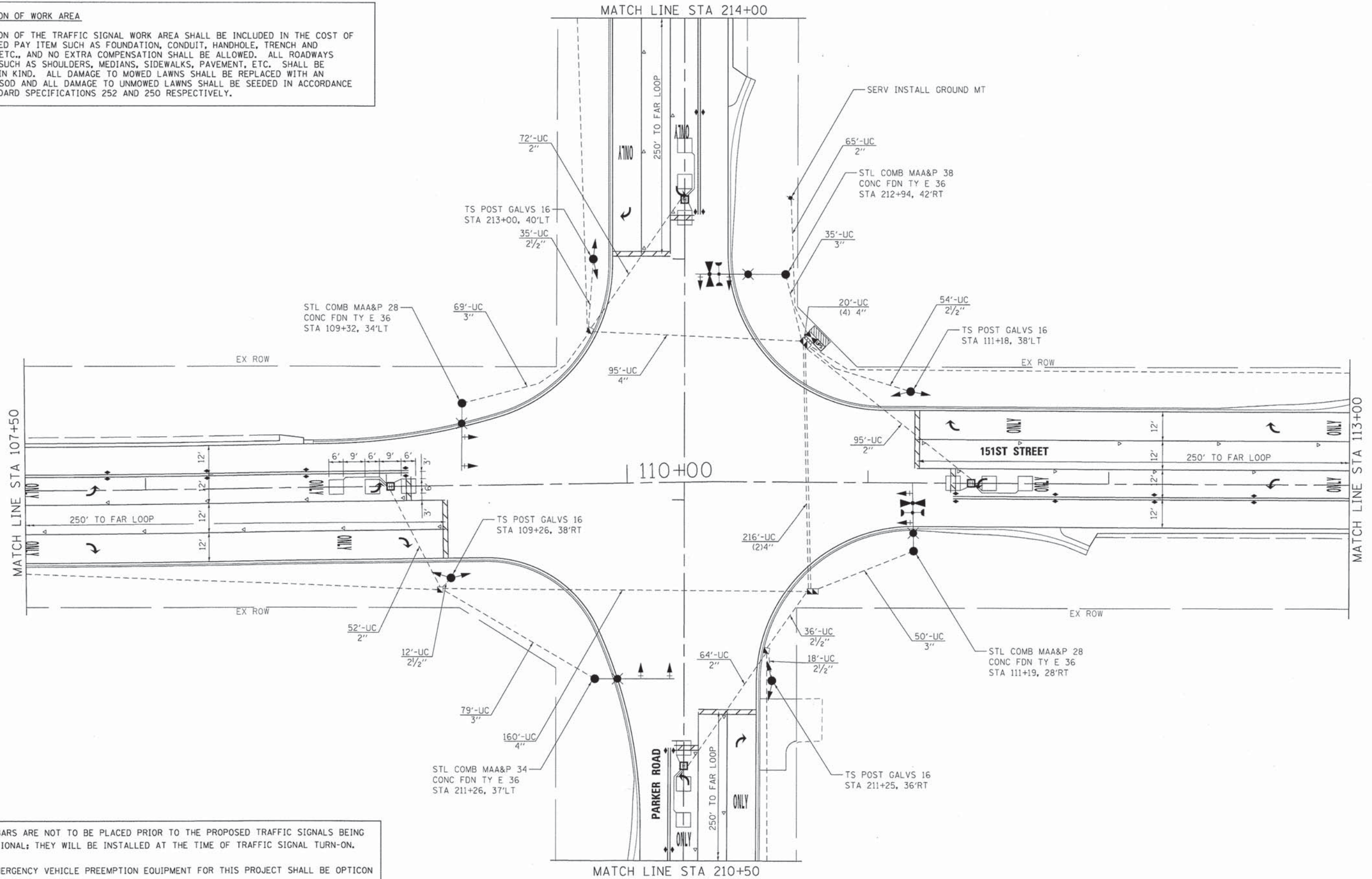
CONSTRUCTION DETAILS
 BOX CULVERT DETAIL

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	12-00014-00-CH	WILL	66	30
* FAU 3771, FAU 3763			CONTRACT NO. 63888	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

RESTORATION OF WORK AREA

RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE COST OF 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 SEEDING IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.



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 EMERGENCY VEHICLE PREEMPTION EQUIPMENT FOR THIS PROJECT SHALL BE OPTICON AS REQUIRED BY THE HOMER TOWNSHIP FIRE DEPARTMENT.
3. PROVIDE 2-2" CONDUIT STUBS IN EACH FOUNDATION FOR MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE.

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 PROJECT CONTACT: HRGreen
 CLIENT: HRGreen
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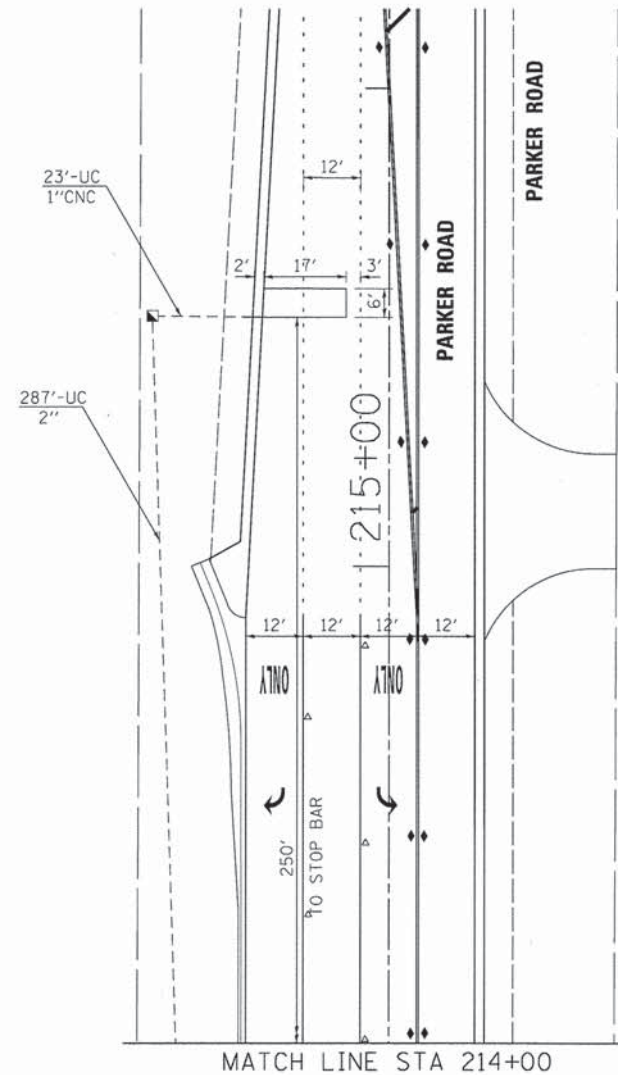
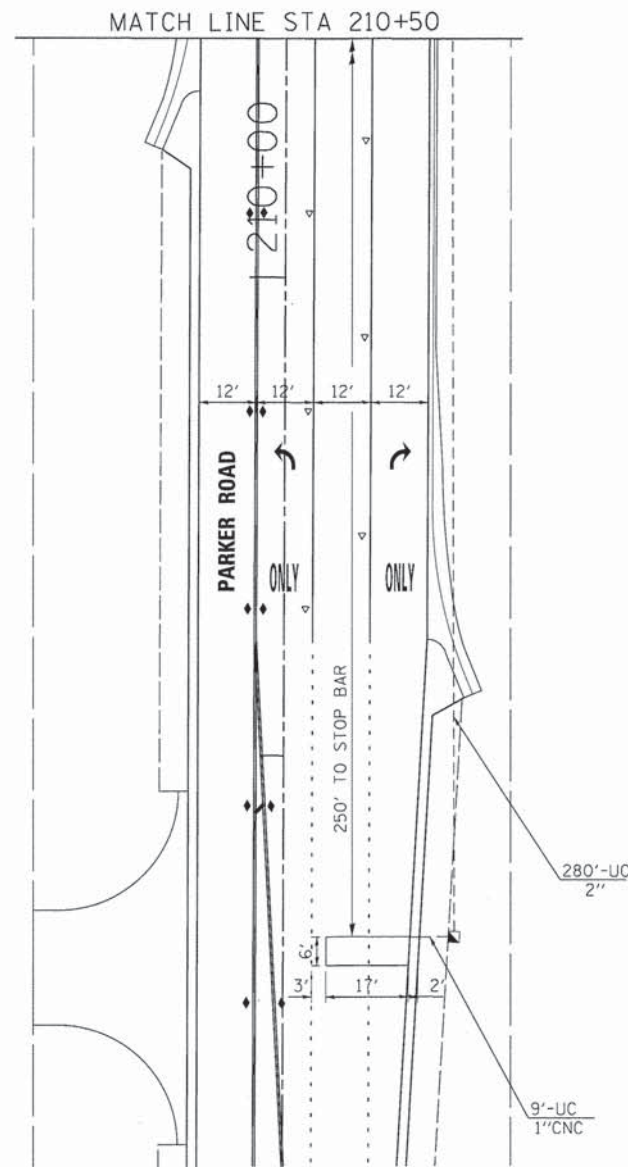
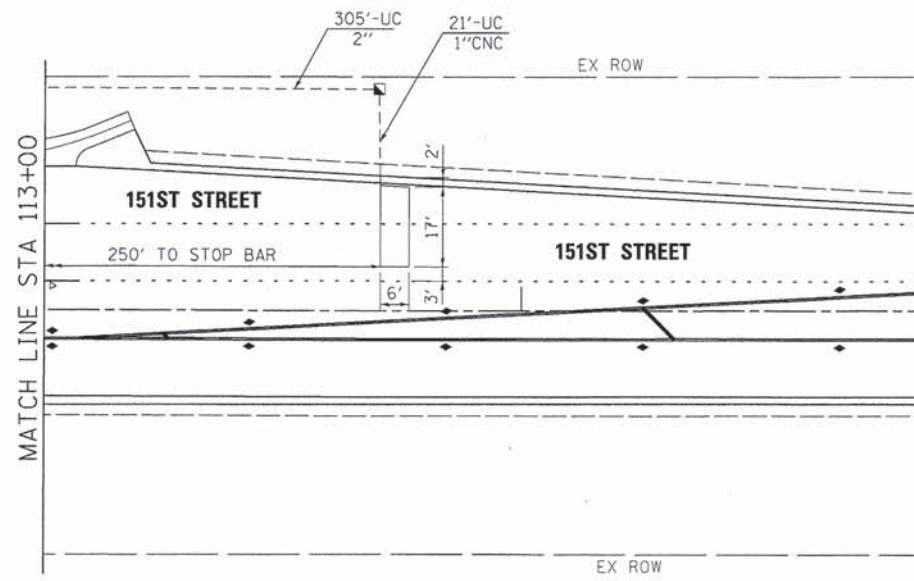
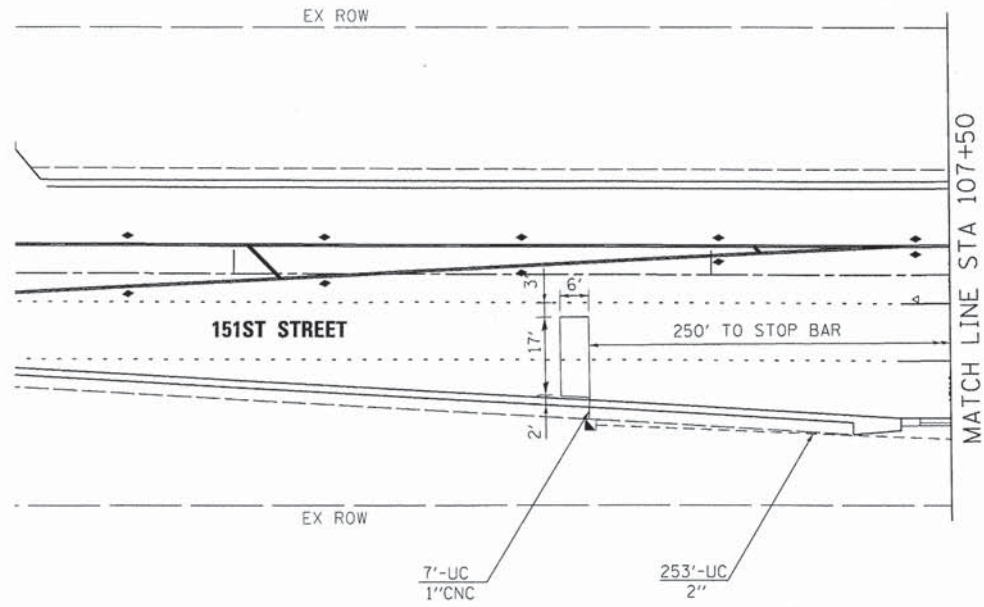
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL INSTALLATION PLAN
 PARKER ROAD AT 151ST STREET**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	12-00014-00-CH	WILL	66	31
	FAU 3771, FAU 3763		CONTRACT NO. 63888	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



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 EMERGENCY VEHICLE PREEMPTION EQUIPMENT FOR THIS PROJECT SHALL BE OPTICON AS REQUIRED BY THE HOMER TOWNSHIP FIRE DEPARTMENT.
3. PROVIDE 2-2" CONDUIT STUBS IN EACH FOUNDATION FOR MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE.



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 PROJECT CONTACT: HRGreen.com
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 PLOT DRIVER: paf.ctb
 PEN TABLE: standard-trans.tbl



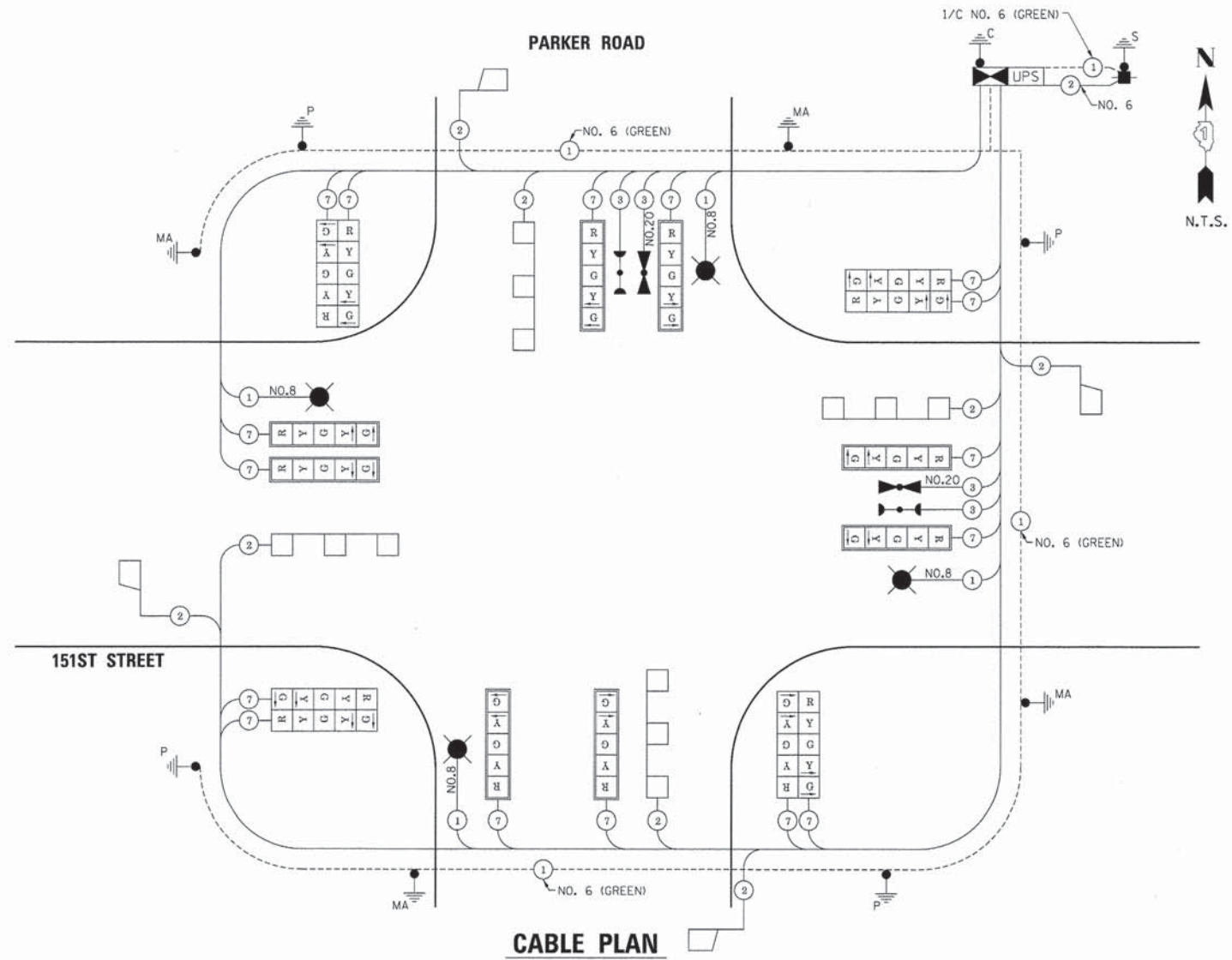
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PLOT DATE = 12/19/2013	DATE - 12/19/13	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL INSTALLATION PLAN
 PARKER ROAD AT 151ST STREET

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	12-00014-00-CH	WILL	66	32
* FAU 3771, FAU 3763			CONTRACT NO. 63888	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



SCHEDULE OF QUANTITIES

SERVICE INSTALLATION - GROUND MOUNTED	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1,473
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	155
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	233
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	491
HANDHOLE	EACH	7
HEAVY-DUTY HANDHOLE	EACH	4
DOUBLE HANDHOLE	EACH	2
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	1,018
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	419
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	3,763
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PA/R	FOOT	2,762
ELECTRIC CABLE IN CONDUIT, SERVICE NO. 6 2 C	FOOT	84
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1,544
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 16 FT.	EACH	4
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 28 FT.	EACH	2
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	20
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	47
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	8
SIGNAL HEAD, LED, 2-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
TRAFFIC SIGNAL BACKPLATE, LOUVERED	EACH	8
INDUCTIVE LOOP DETECTOR	EACH	8
DETECTOR LOOP, TYPE I	FOOT	586
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	411
LUMINAIRE, LED, HORIZONTAL MOUNT, 175 WATT	EACH	4
UNINTERRUPTIBLE POWER SUPPLY, SPECIAL	EACH	1

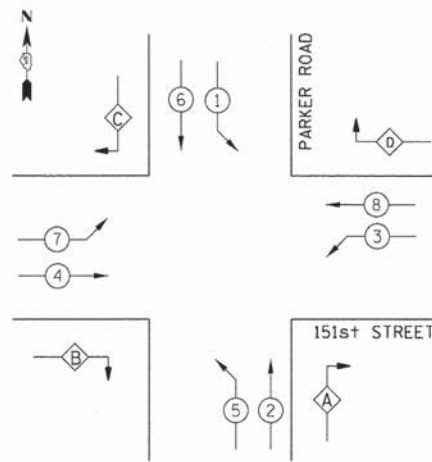
I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					
TYPE	NO. LAMPS	WATTAGE		% OPERATION	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	16		17	0.50	136.00
(YELLOW)	16		25	0.25	100.00
(GREEN)	16		15	0.25	60.00
ARROW (YELLOW)	16		12	0.10	19.20
(GREEN)	16		12	0.10	19.20
CONTROLLER	1		100	1.00	100.00
UPS	1		25	1.00	25.00
LUMINAIRE	4		175	0.50	350.00
TOTAL =					809.40

ENERGY COSTS TO: VILLAGE OF HOMER GLEN
14933 SOUTH FOUNDERS CROSSING
HOMER GLEN, IL 60491

ENERGY SUPPLY CONTACT: TOM MAHAR
PHONE: 815-724-5010
COMPANY: COMMONWEALTH EDISON

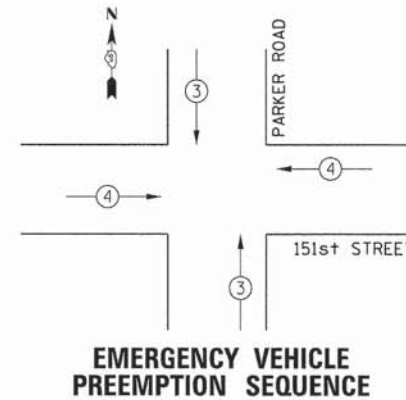
CONTROLLER SEQUENCE

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A =	2	+ 3
B =	4	+ 5
C =	6	+ 7
D =	8	+ 1



CONTROLLER SEQUENCE LEGEND

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



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

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PROJECT CONTACT: HRGreen.com
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PEN TABLE: standard-trans.tbl



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DRAWN - DS
CHECKED - JJS
DATE - 12/4/13

REVISED -
REVISED -
REVISED -
REVISED -

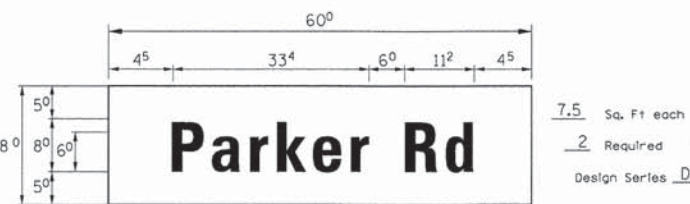
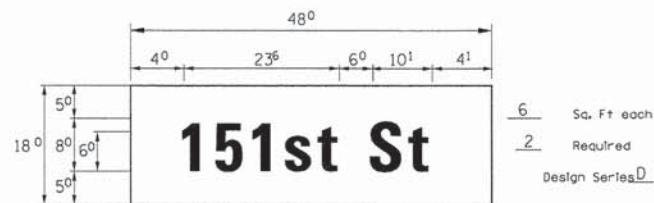
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE AND PHASE DESIGNATION DIAGRAM
DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE

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

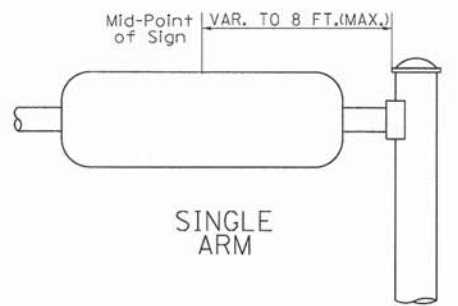
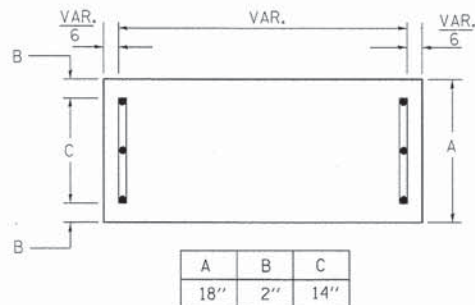
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	12-00014-00-CH	WILL	66	33
•	FAU 3771, FAU 3763	CONTRACT NO.	63888	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PANEL SIGN DESIGN TYPE 1

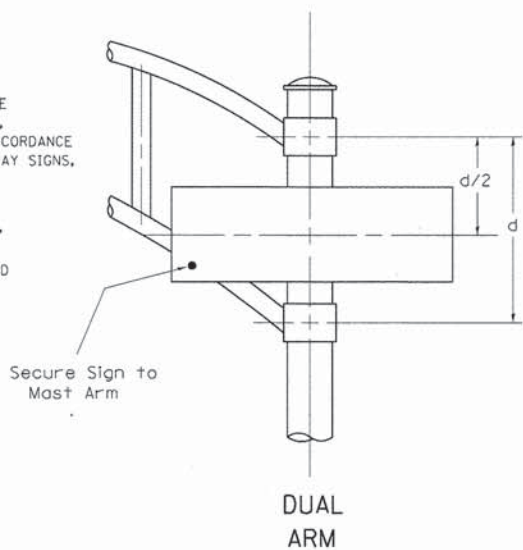
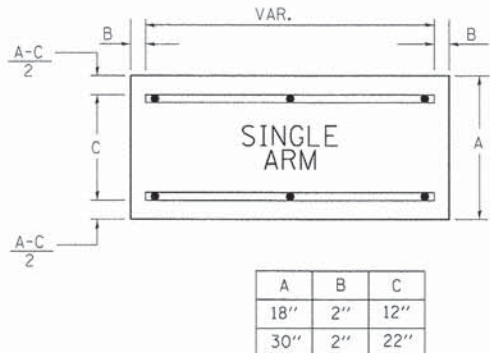


NOTE: SIGN DIMENSIONS ARE IN ENGLISH UNITS

SUPPORTING CHANNELS



SUPPORTING CHANNELS



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"

SERIES	SECOND LETTER															
	acde		bhikl		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 Q 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

EXAMPLE, 2 ³ DENOTES 3/8"

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

SERIES	SECOND LETTER															
	acde		bhikl		fw		j		st		vy		x		z	
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
ad hgi j	16	17	22	24	16	17	12	14	14	15	14	15	16	17	16	17
lm nqu	16	17	22	24	16	17	12	14	14	15	14	15	16	17	16	17
bf kops	12	14	16	17	11	12	05	06	11	12	11	12	12	14	12	14
ce	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
vy	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	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 SELF TAPPING WITH NEOPRENE WASHER
 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.

12/4/2013 12:21:25 AM
 411-sign.dgn
 20131204
 3/16/2013

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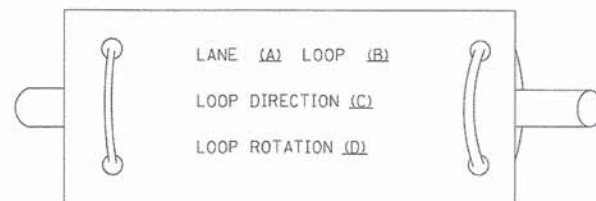
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT 1 MAST ARM MOUNTED STREET NAME SIGNS
SCALE: N.T.S.	SHEET NO. 4 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	12-00014-00-CH	WILL	66	34
*	FAU 3771, FAU 3763	CONTRACT NO.	63888	
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

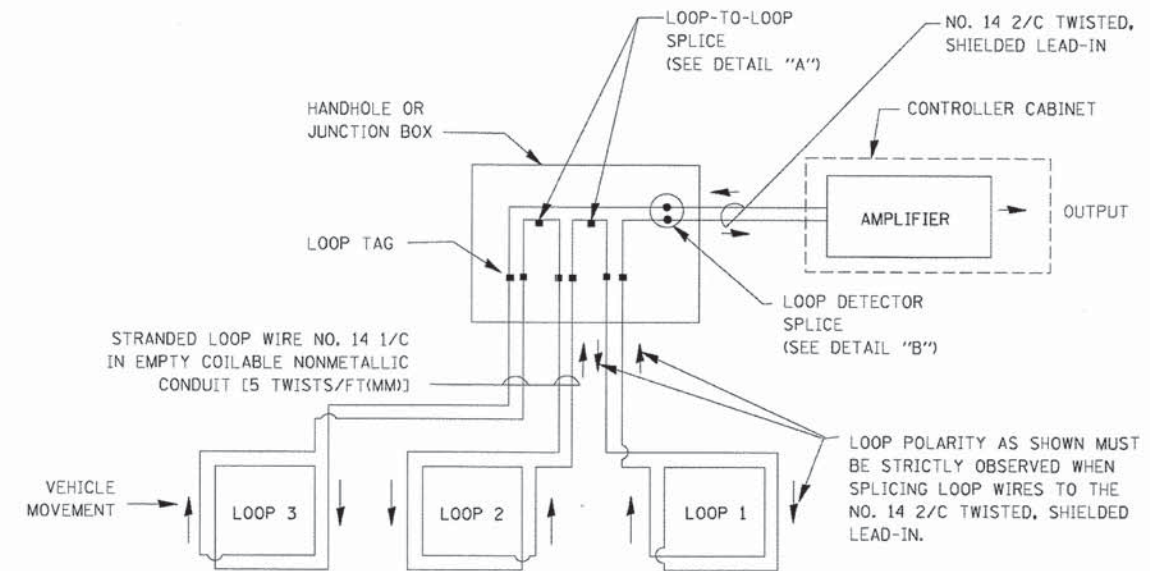
LOOP DETECTOR NOTES

- 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.
- 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.
- 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.
- ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
- 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 SFAI ANT MANUFACTURER RQUIREMENTS. 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.
- 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.
- PERFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PERFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

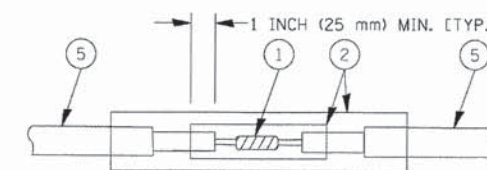


- LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

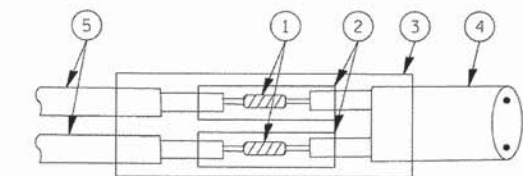


DETECTOR LOOP WIRING SCHEMATIC

- 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.

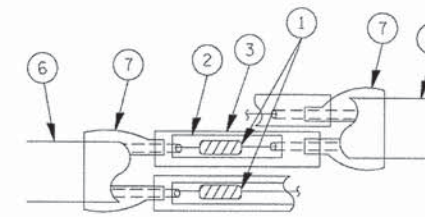


DETAIL "A"
LOOP-TO-LOOP SPLICE

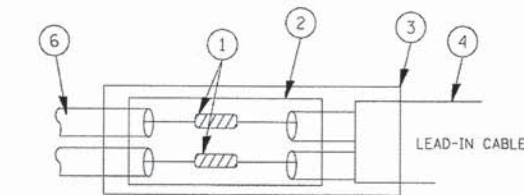


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

LOOP DETECTOR SPLICE

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

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PROJECT CONTACT:
CLIENT:
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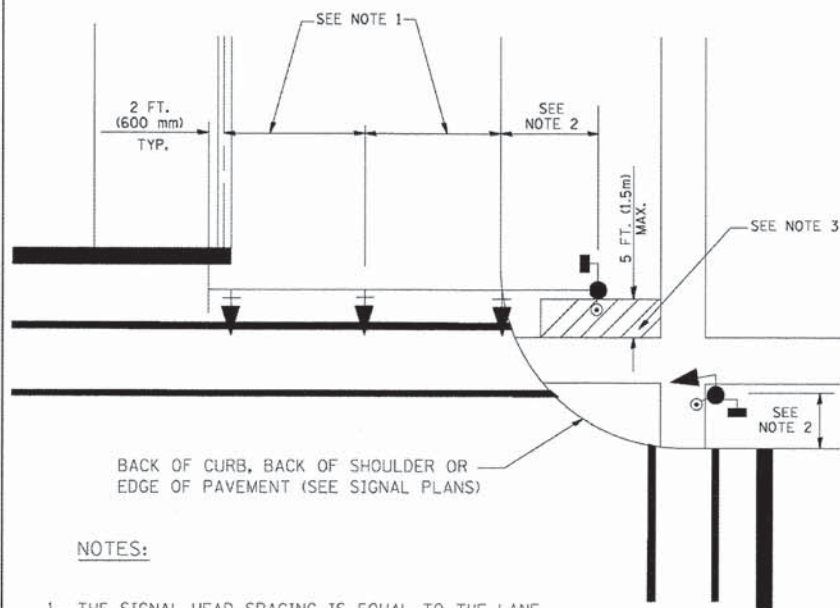
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS
SCALE: NONE SHEET NO. 1 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TS-05			CONTRACT NO. 63888	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
FAU 3771, FAU 3763				

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

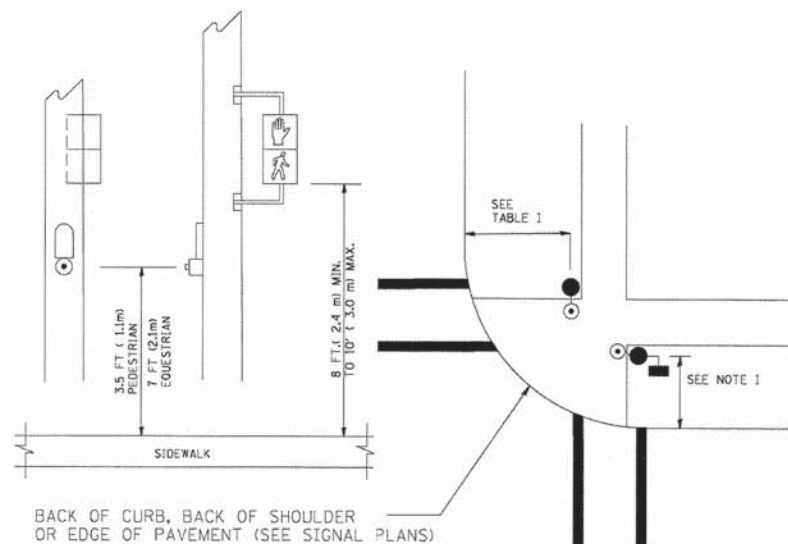
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



NOTES:

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

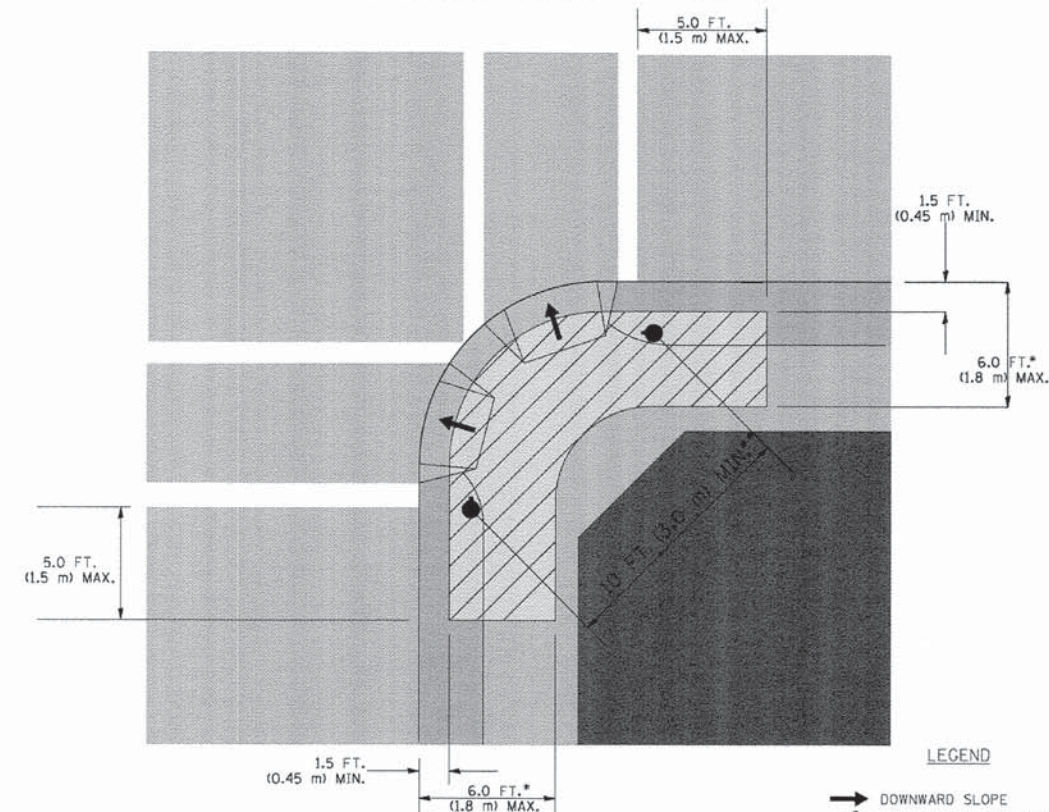
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



NOTES:

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

RECOMMENDED PUSHBUTTON LOCATIONS



LEGEND

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- ▨ RECOMMENDED PUSHBUTTON LOCATIONS

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

NOTES:

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

TRAFFIC SIGNAL EQUIPMENT OFFSET

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

NOTES:

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

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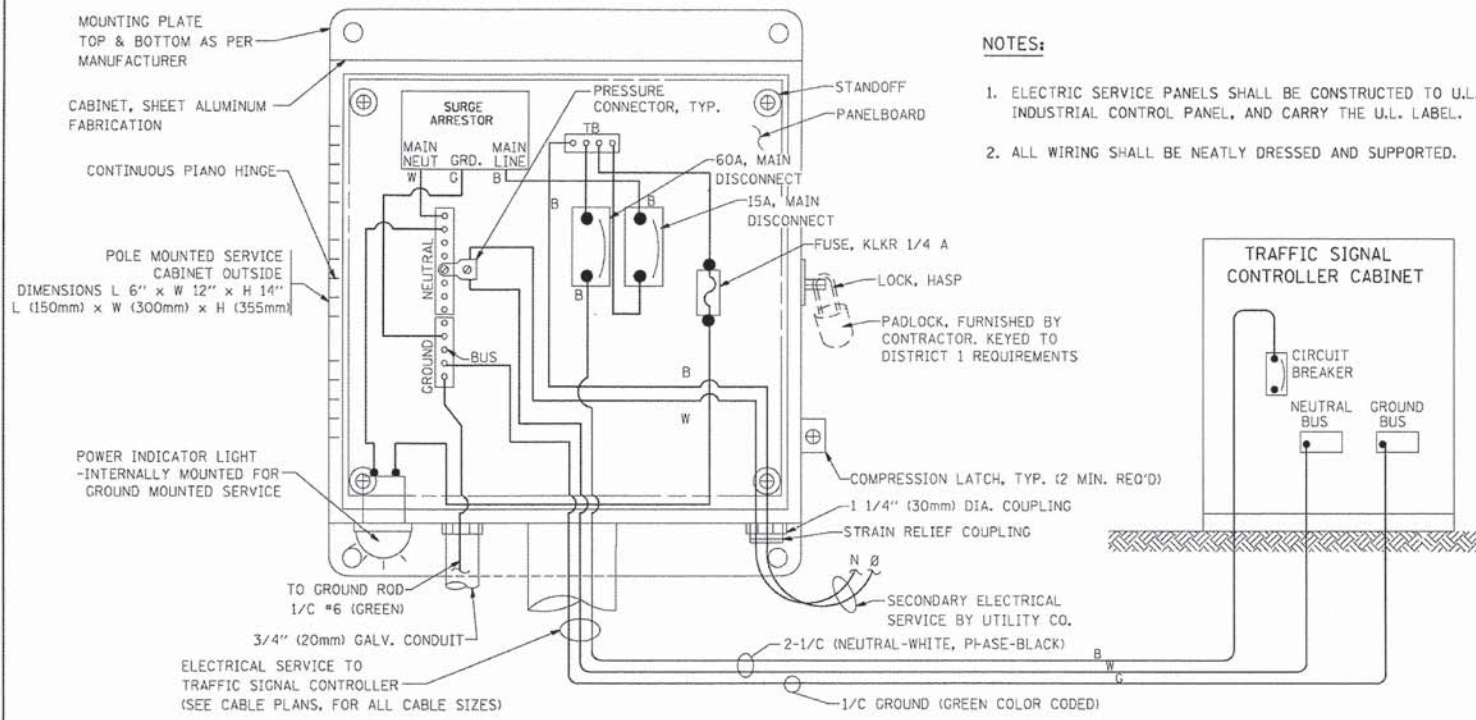
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

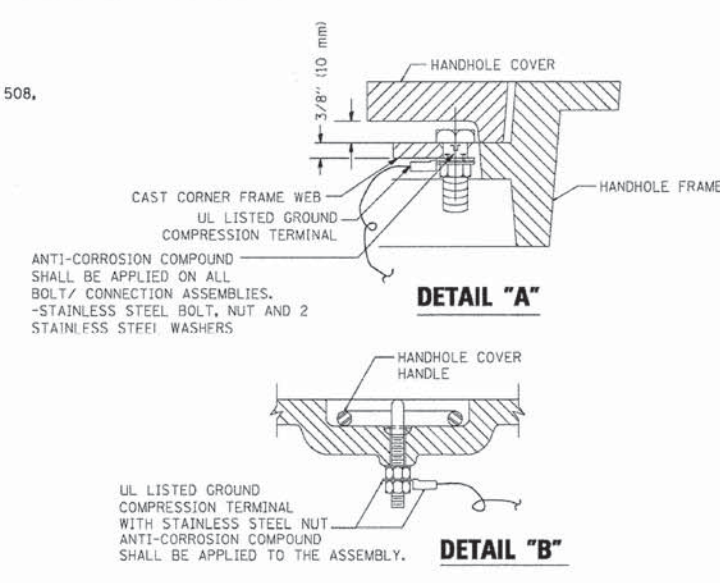
**DISTRICT ONE
 STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET NO. 2 OF 6 SHEETS STA. TO STA.

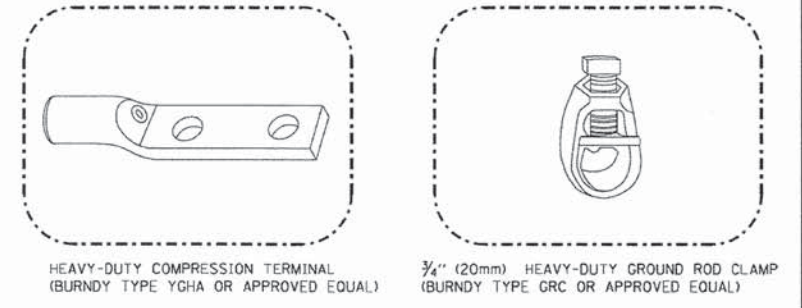
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12-00014-00-CH	WILL		66	36
TS-05			CONTRACT NO. 63888	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
FAU 3771, FAU 3763				



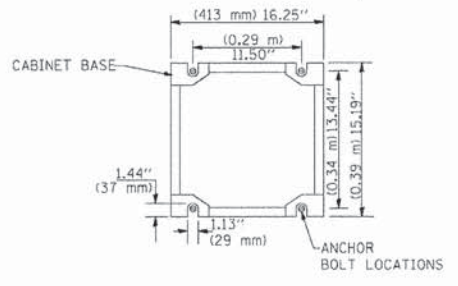
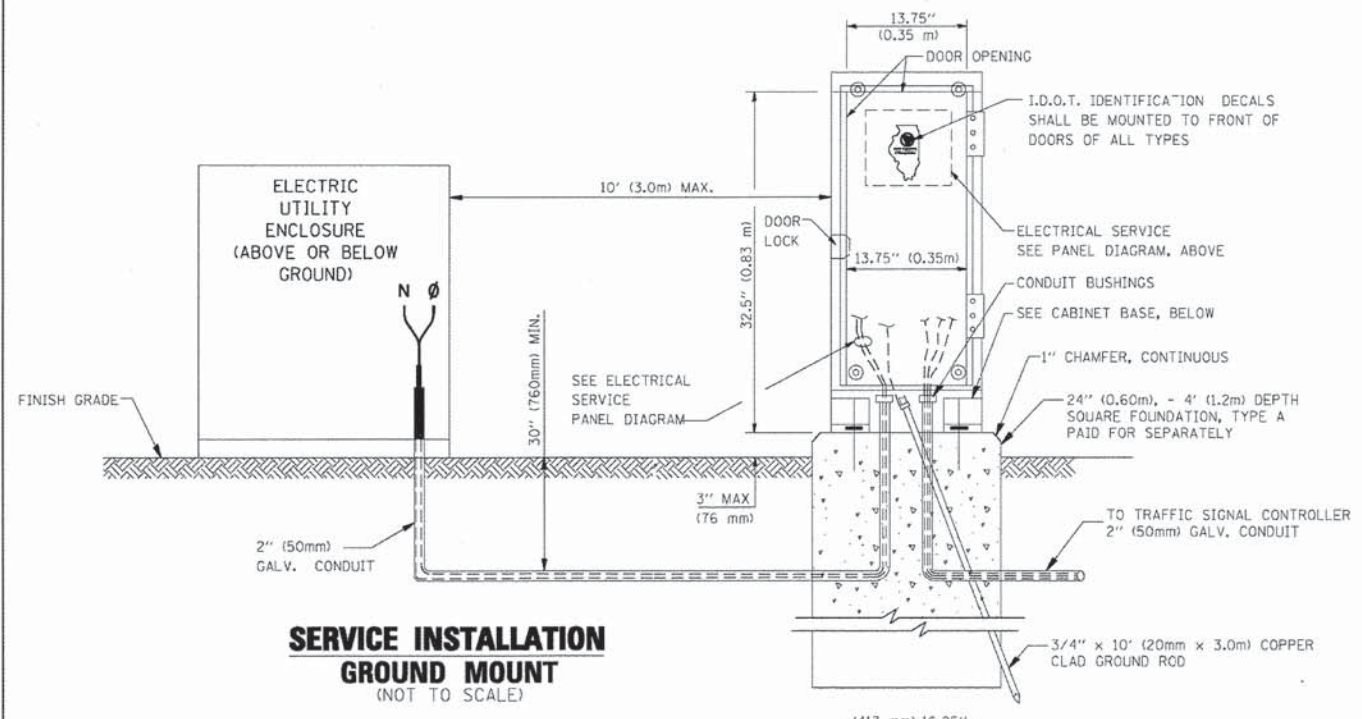
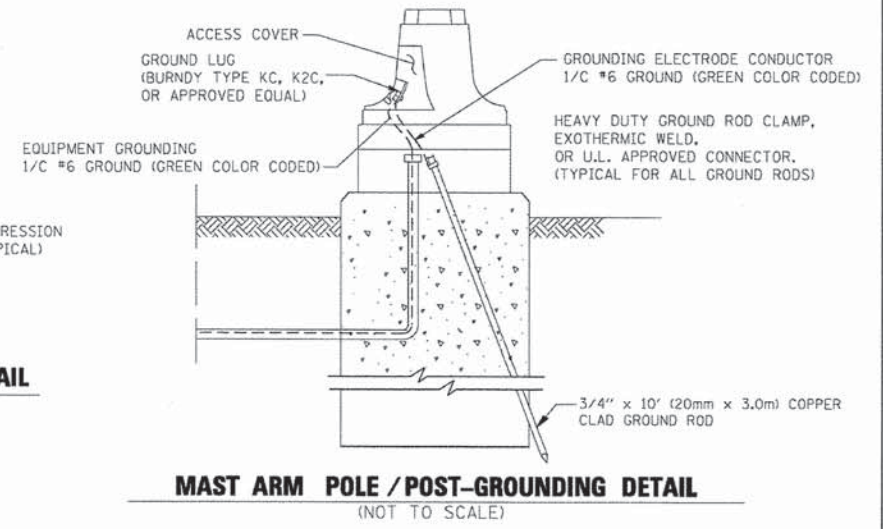
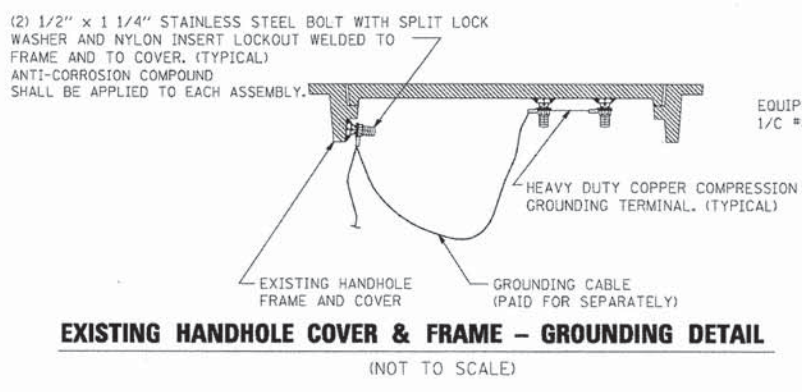
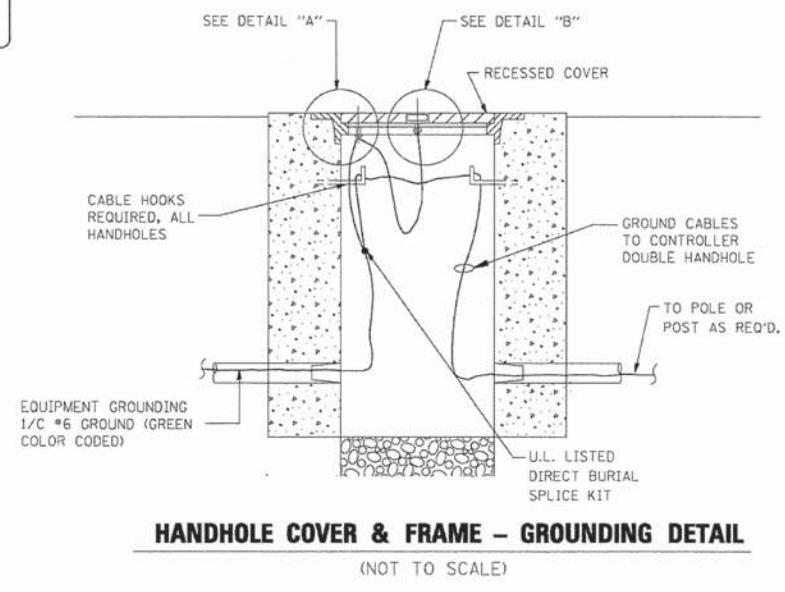
- NOTES:**
1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
 2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.



- 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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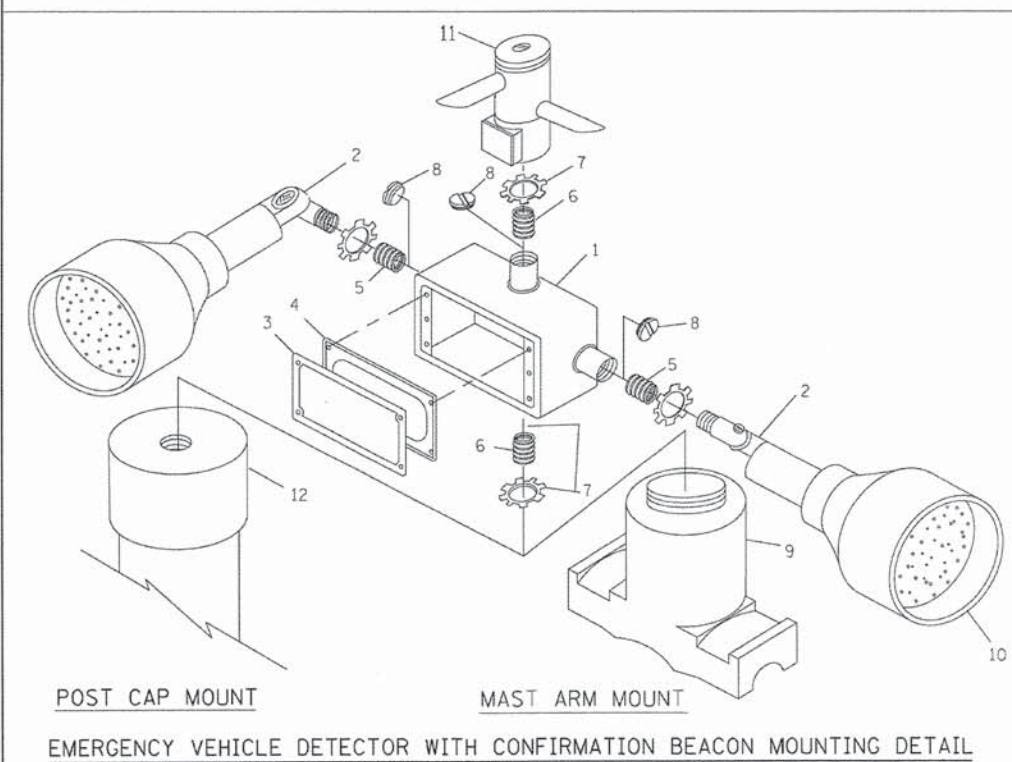
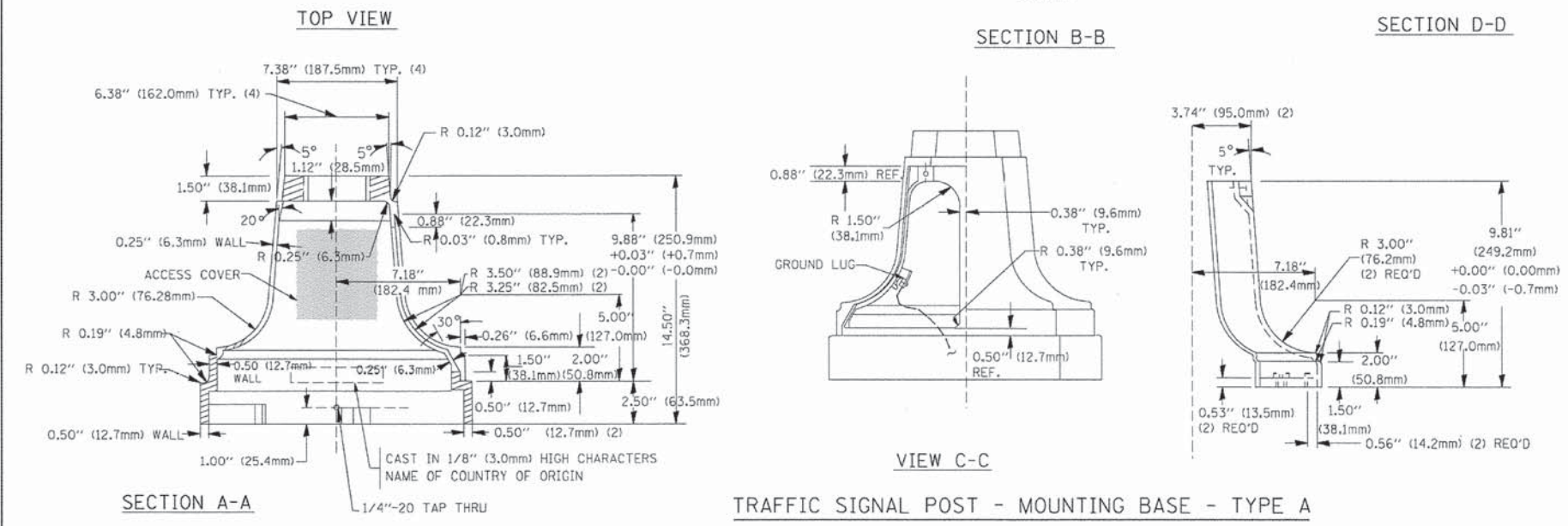
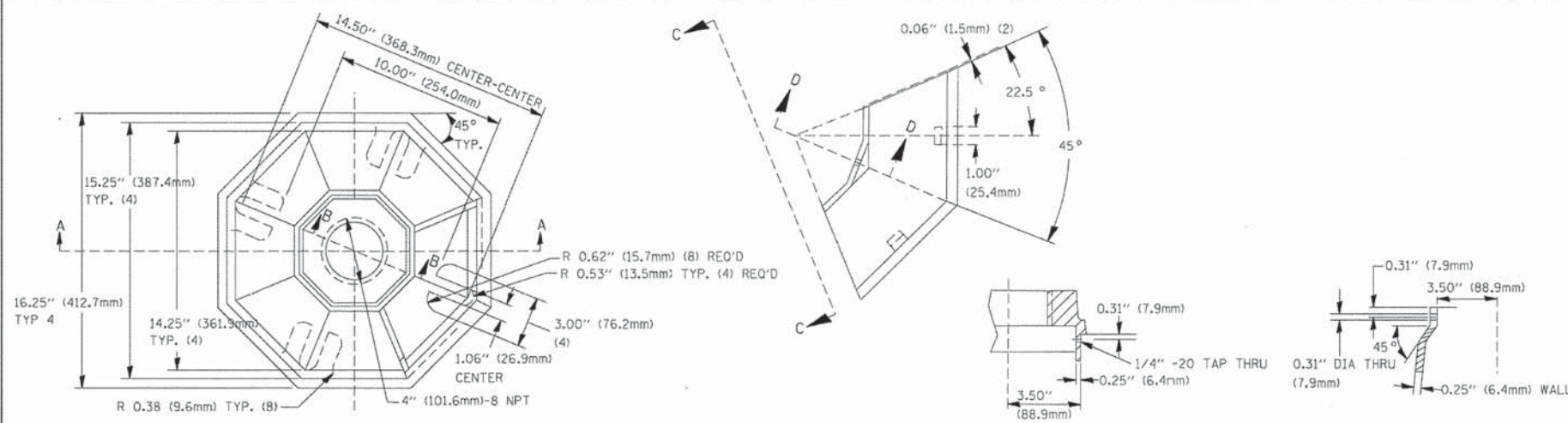
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET NO. 3 OF 6 SHEETS STA. TO STA.

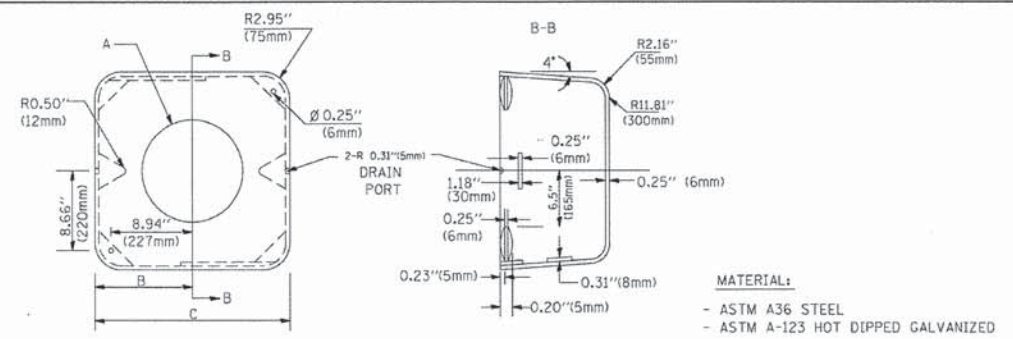
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TS-05		CONTRACT NO.	63888	
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				
FAU 3771, FAU 3763				

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PROJECT CONTACT:
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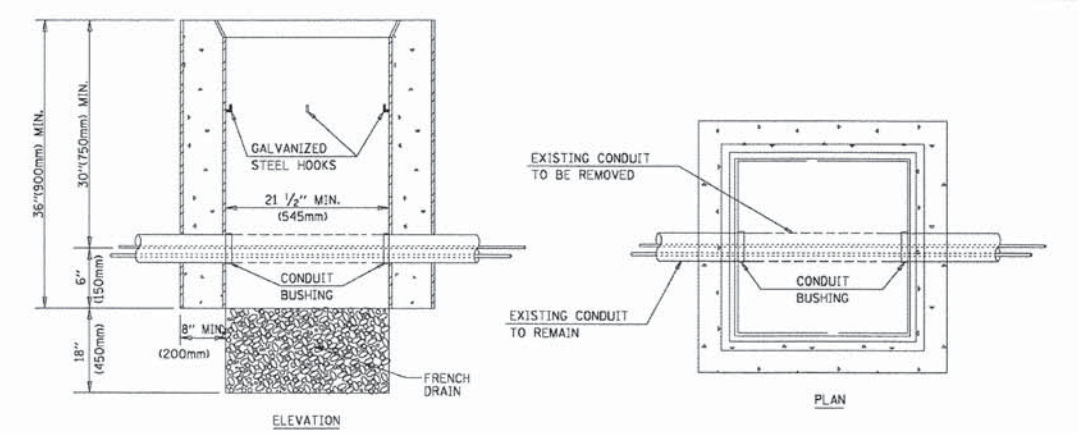
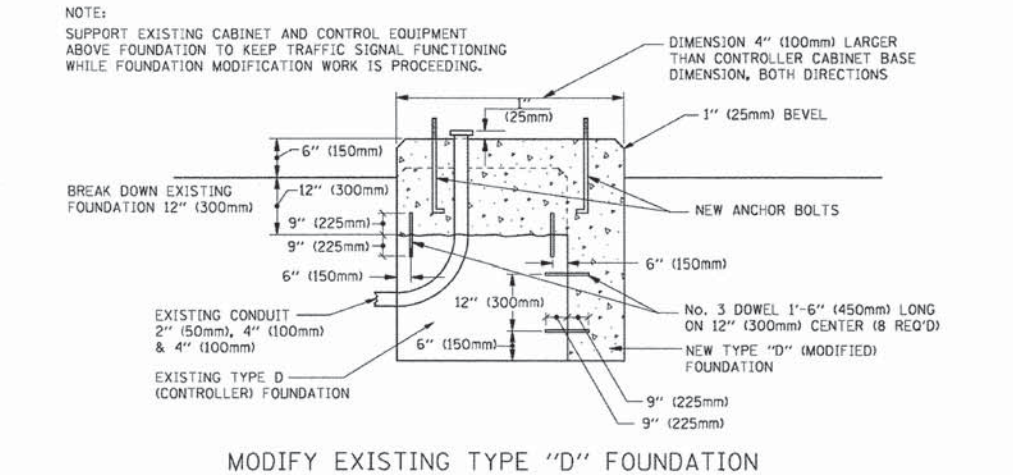
ITEM NO.	IDENTIFICATION
1	OUTLET BOX - GALV. 21 CU. IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4\" (19 mm) CLOSE NIPPLE
7	3/4\" (19 mm) LOCKNUT
8	3/4\" (19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR 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-O-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.



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

- 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.



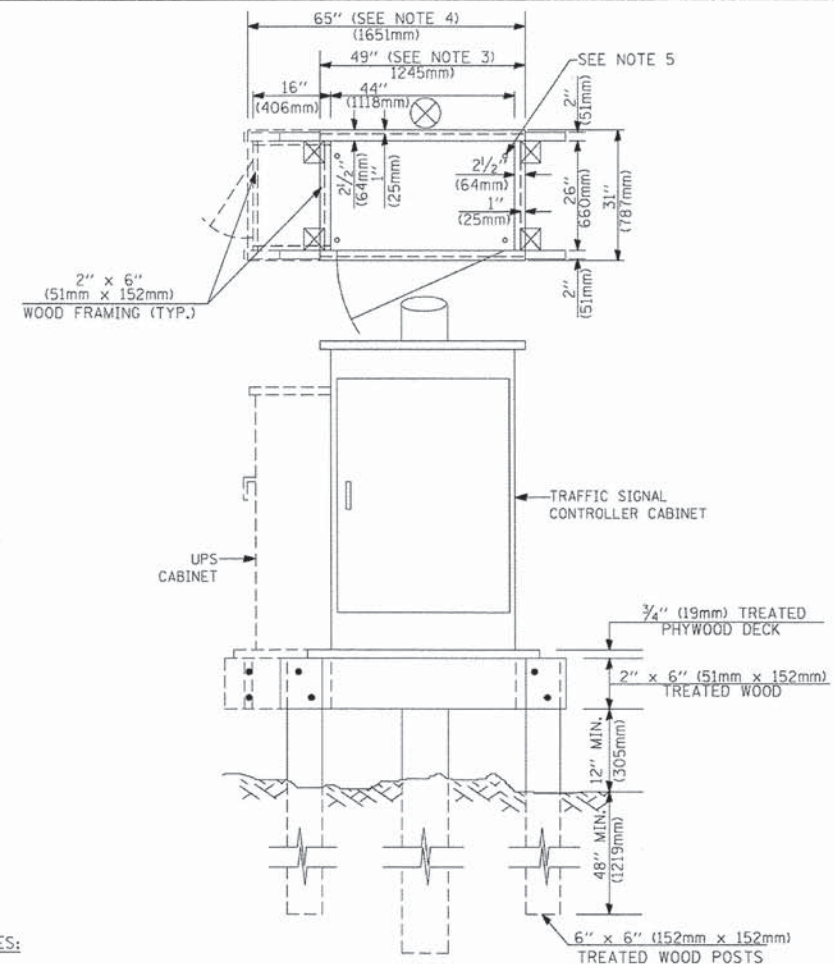
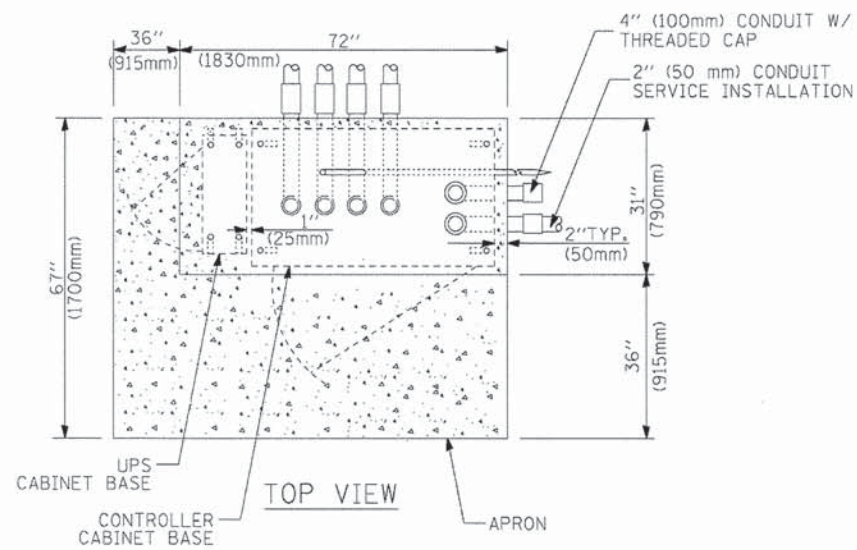
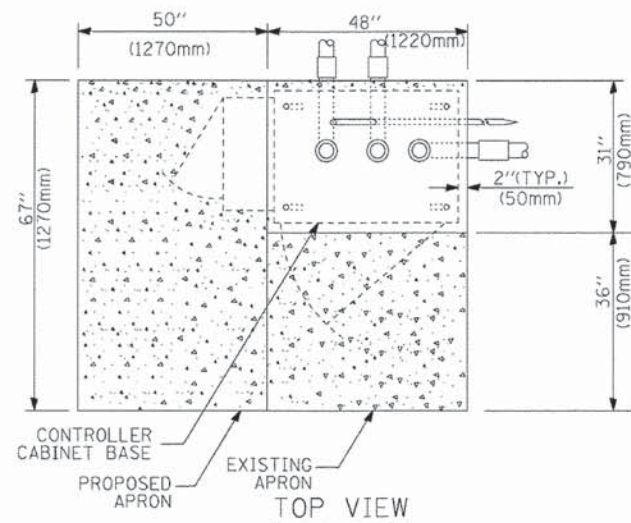
- NOTES:**
- HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
 - REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCIDENTAL TO THE HANDHOLE.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STANDARD TRAFFIC SIGNAL DESIGN DETAILS			12-00014-00-CH	WILL	66	38
SCALE: NONE		SHEET NO. 4 OF 6 SHEETS		STA. TO STA.	CONTRACT NO. 63888	
		FAU 3771, FAU 3763		FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT		

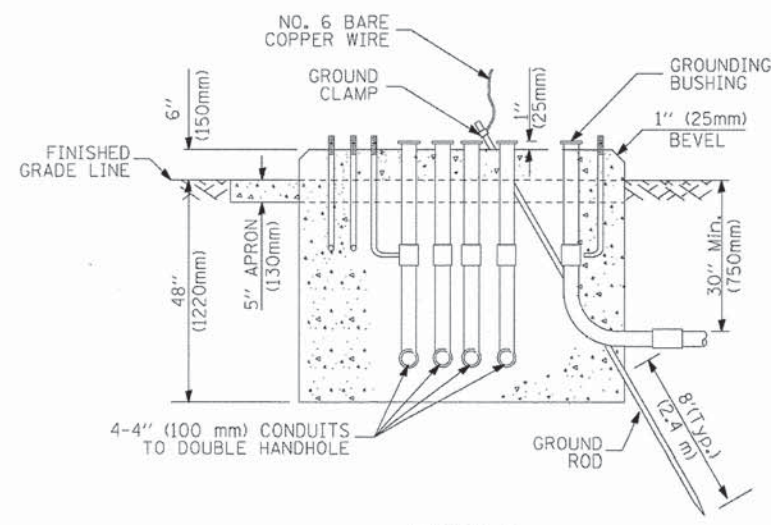
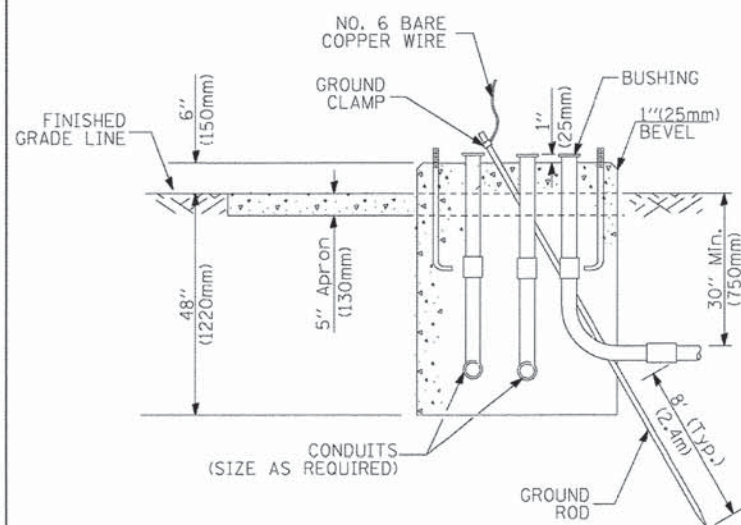
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NOTES:

1. 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.
2. 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.
3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
5. 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.
6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION.

TEMPORARY SIGNAL CONTROLLER WOOD SUPPORT PLATFORM



TYPE D FOR GROUND MOUNTED CONTROLLER CABINET AND UPS BATTERY CABINET

TYPE C FOR GROUND MOUNTED CONTROLLER CABINET AND UPS BATTERY CABINET

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	4'-0" (1.2m)
TYPE A - SQUARE	

DEPTH OF FOUNDATION

Mast Arm Length	Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 55' (16.8 m) and less than 65' (19.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 65' (19.8 m) and less than 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

1. 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.
2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations.
4. For mast arm assemblies with dual arms refer to state standard 878001.

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

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		DATE - 10-28-09	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE	SHEET NO. 5 OF 6 SHEETS	STA. TO STA.	F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
				12-00014-00-CH	WILL	66	39
				TS-05			CONTRACT NO. 63888
				FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT			FAU 3771, FAU 3763

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 SMI2F			
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 PREFORMED INTERSECTION LOOP DETECTOR PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR			
SIGNAL HEAD OPTICALLY PROGRAMMED				SIGNAL FACE WITH BACKPLATE, "P" INDICATES PROGRAMMED HEAD				PREFORMED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR			
FLASHER INSTALLATION (S DENOTES SOLAR POWER)				12" (300mm) PEDESTRIAN SIGNAL HEAD WALK/DON'T WALK SYMBOL				PREFORMED SAMPLING (SYSTEM) DETECTOR			
PEDESTRIAN SIGNAL HEAD				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, OUTLINED							
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							
PREFORMED 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											

RAILROAD SYMBOLS

EXISTING	PROPOSED

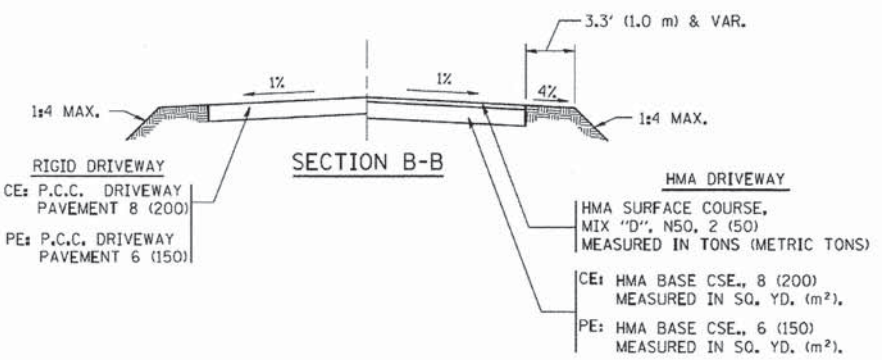
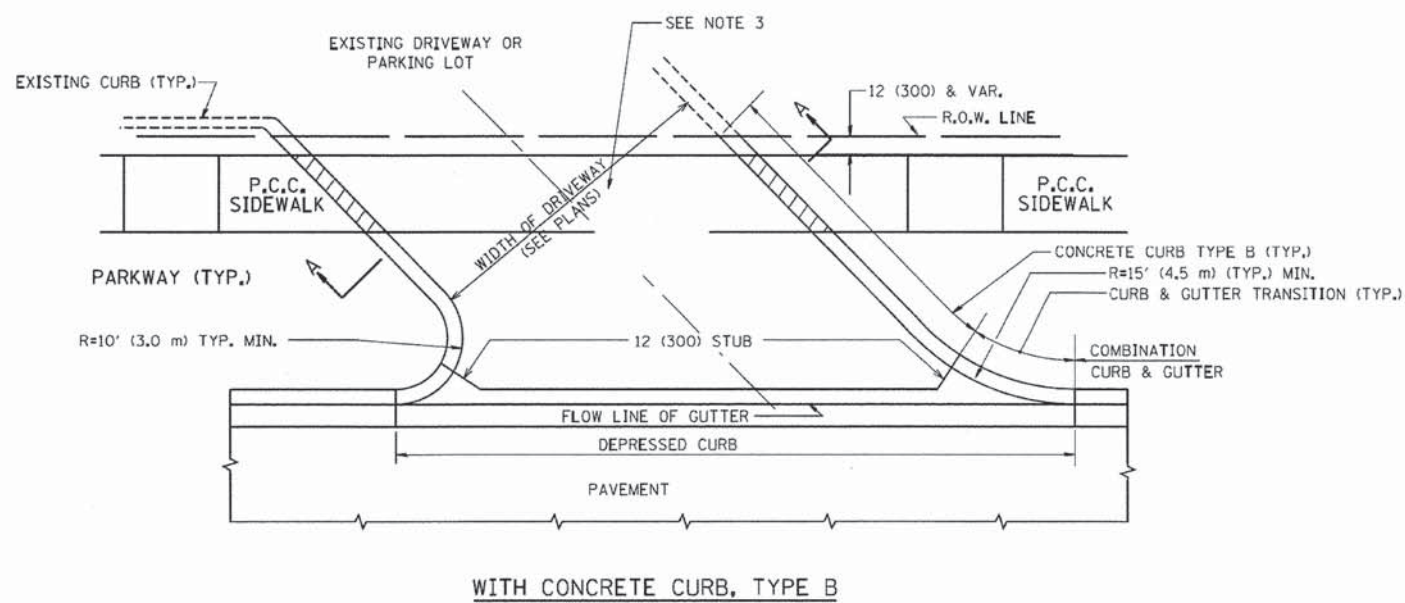
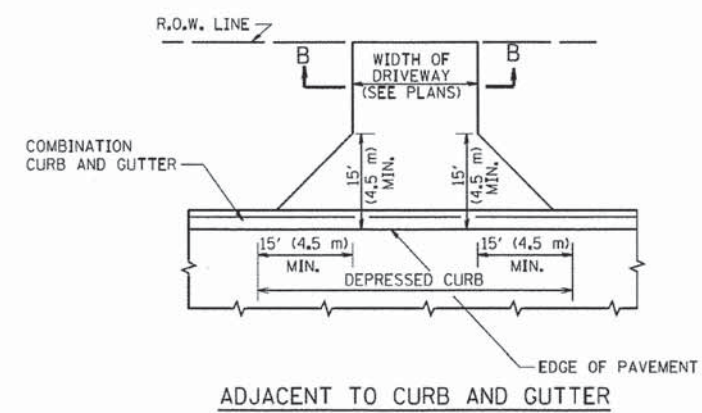
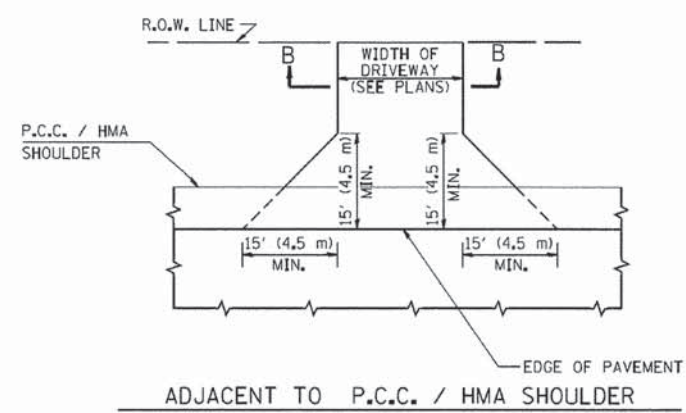
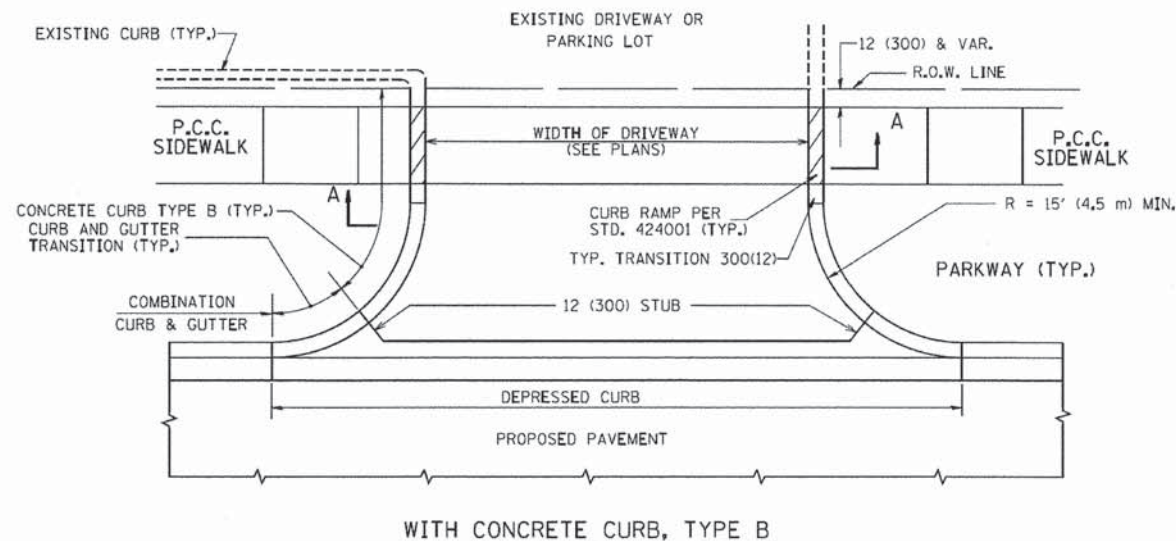
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE			
STANDARD TRAFFIC SIGNAL DESIGN DETAILS			
SCALE: NONE	SHEET NO. 6 OF 6 SHEETS	STA. _____	TO STA. _____

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TS-05			CONTRACT NO.	63888
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT FAU 3771, FAU 3763				



RURAL FIELD ENTRANCE (FE)

HMA SURFACE COURSE, MIX "D", N50, 2 (50) MEASURED IN TONS (METRIC TONS)

AGGREGATE BASE CSE., TYPE B, 8 (200) MEASURED IN SQ. YD. (m²).

GENERAL NOTES:

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

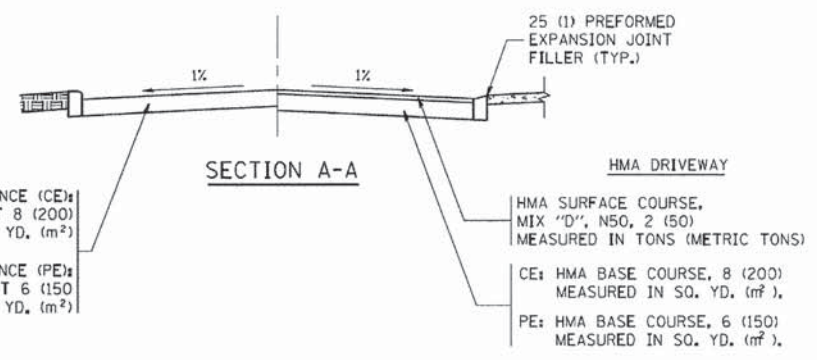
COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

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

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

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

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



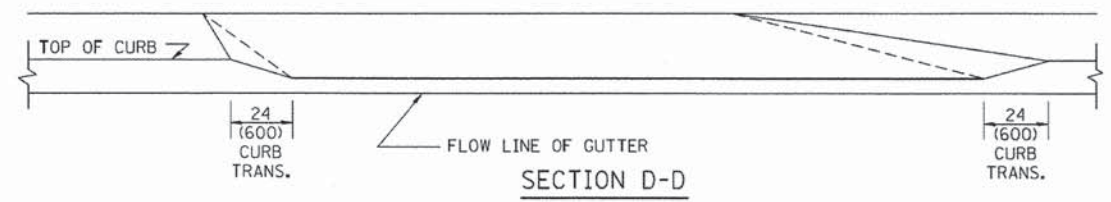
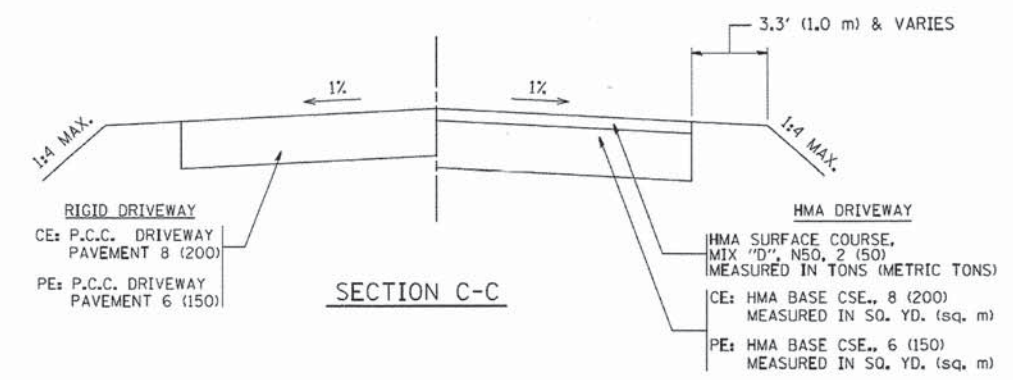
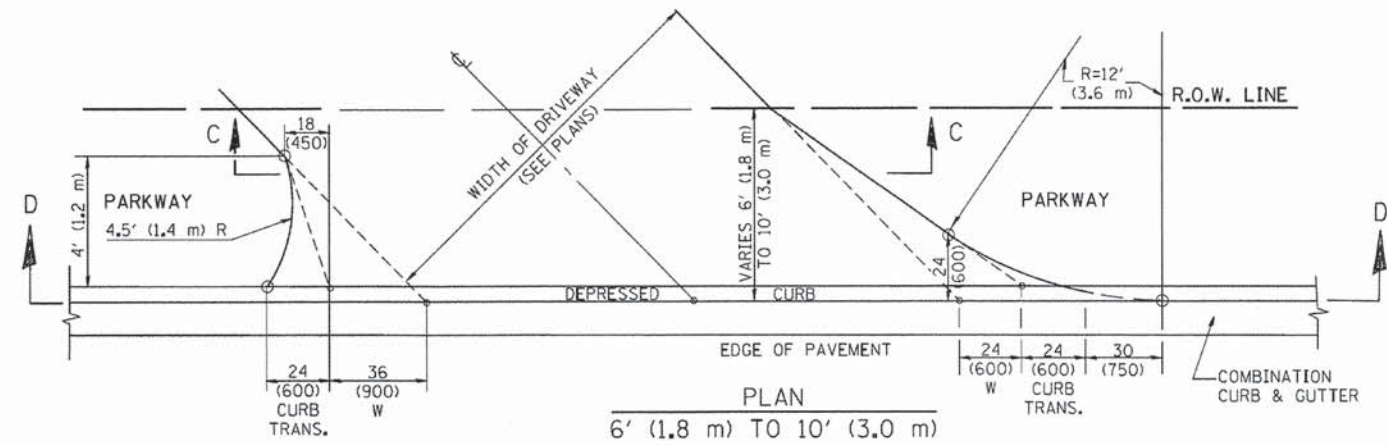
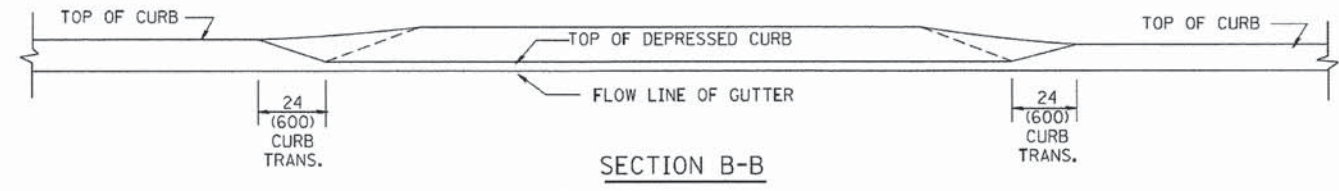
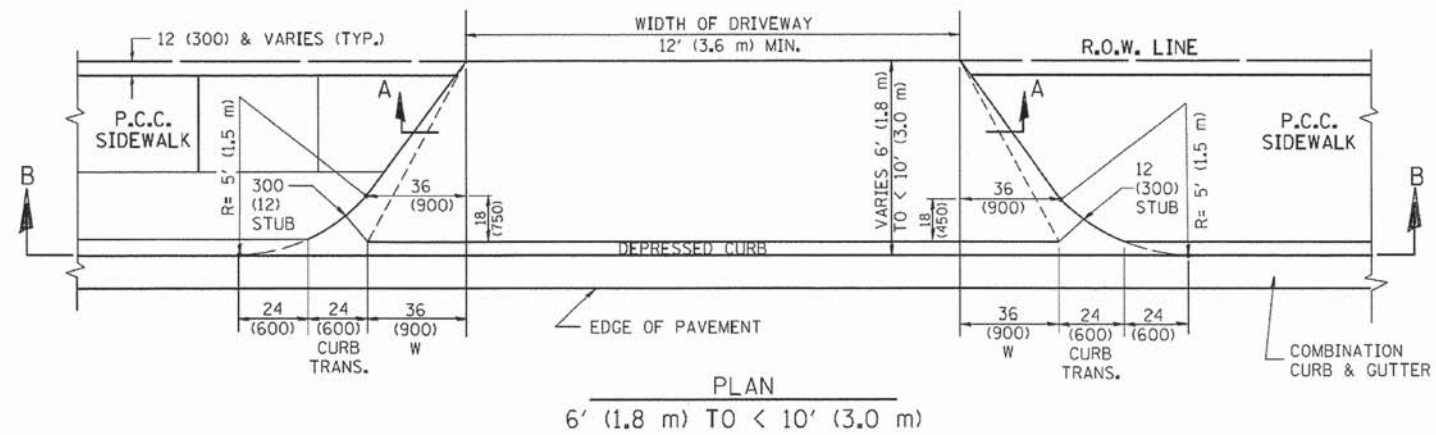
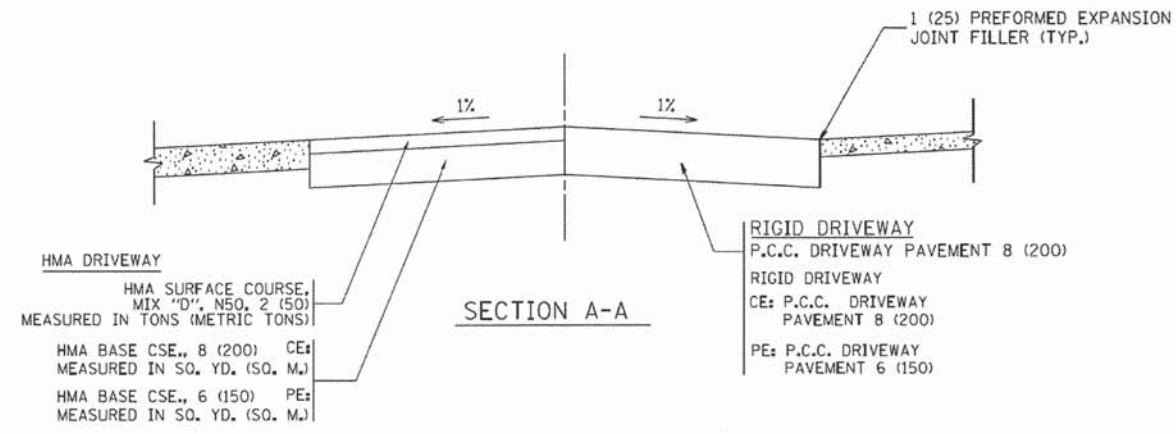
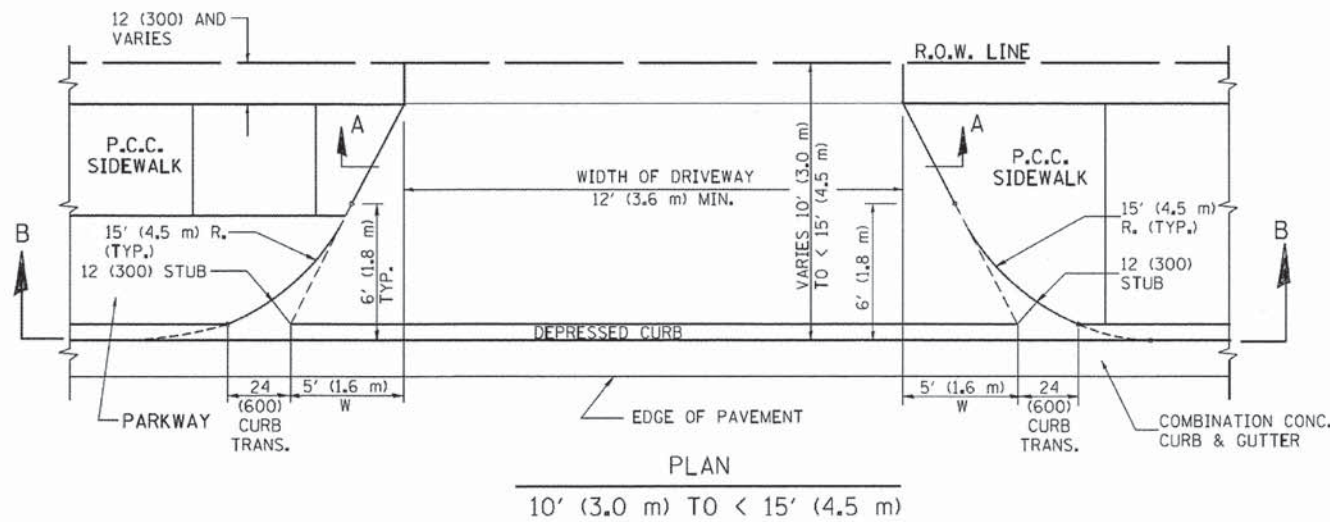
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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.
*	12-00014-00-CH	WILL	66	41
BD0156-07 (BD-01)			CONTRACT NO. 63888	
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				
FAU 3771, FAU 3763				



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.

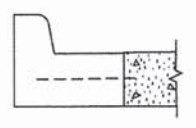
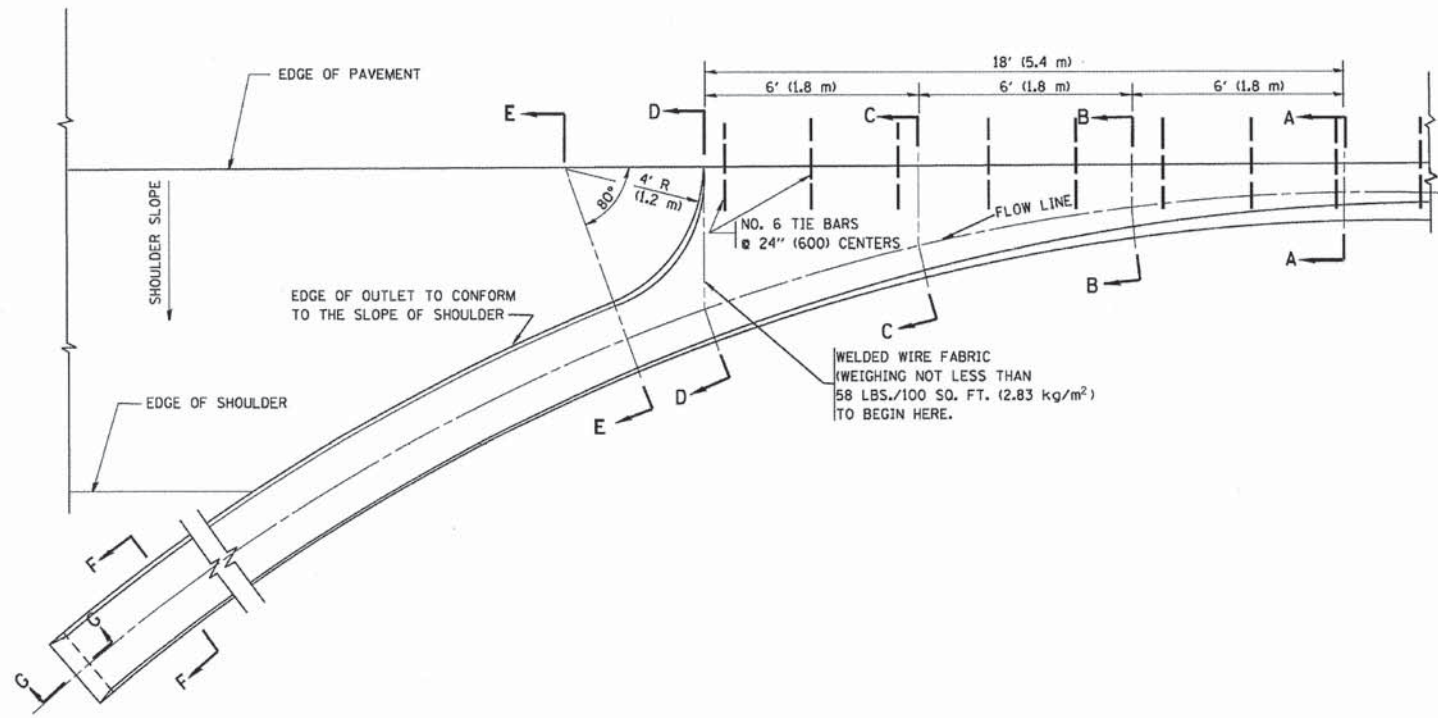
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

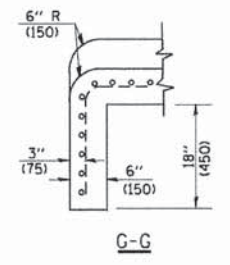
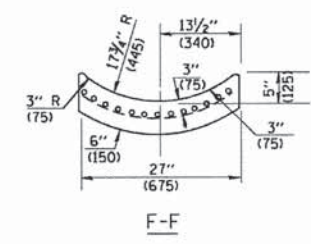
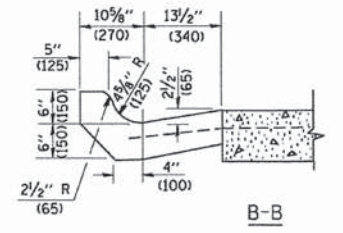
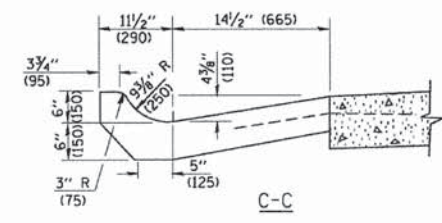
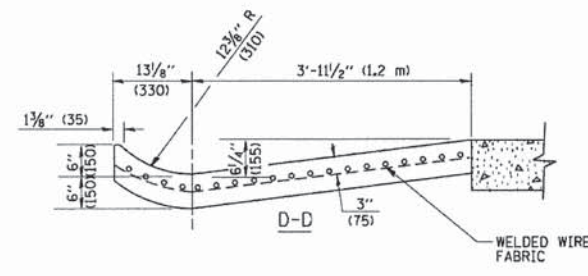
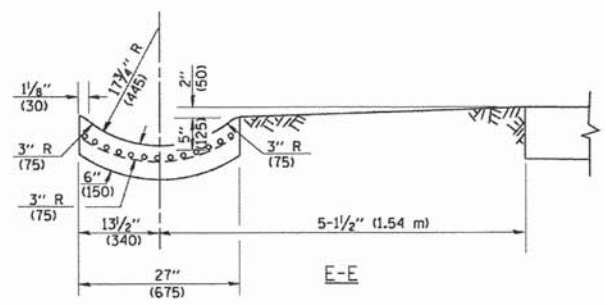
DRIVEWAY DETAILS	
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m)	
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	12-00014-00-CH	WILL	66	42
BD400-02 (BD-02)			CONTRACT NO. 63888	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
FAU 3771, FAU 3763				



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\" (600) CENTERS UNLESS OTHERWISE SHOWN.

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\" (225) PAV'T.
 1.27 CU. YDS. (0.96 m³) CLASS SI CONCRETE (OUTLET) FOR 10\" (250) PAV'T.
 FOR SECTION F-F =
 0.045 CU. YDS. (0.03 m³) CLASS SI CONCRETE PER FT. (m).

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

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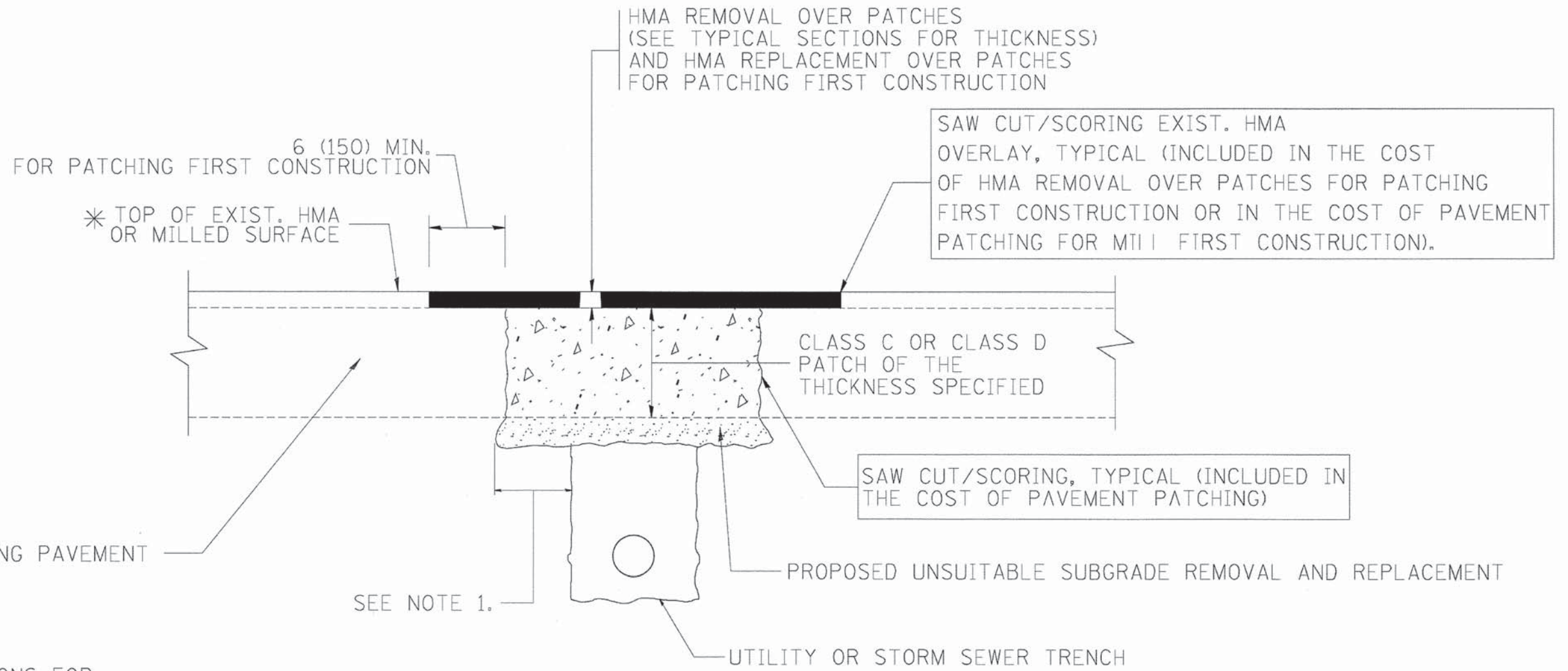
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	PLOT DATE = 1/4/2008	DATE - 08-04-86	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**OUTLET FOR CONCRETE
 CURB AND GUTTER**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
12-00014-00-CH	BD600-01 (BD-03)	WILL	66	43
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO.	63888
FAU 3771, FAU 3763				



* 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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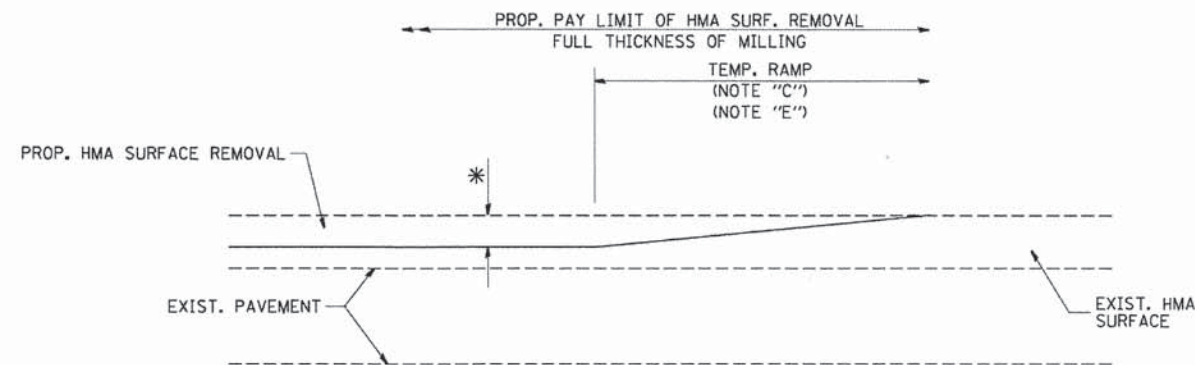
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	PLOT DATE = 10/27/2008	DATE - 10-25-94	REVISED - K. ENG 10-27-08

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT PATCHING FOR
HMA SURFACED PAVEMENT**

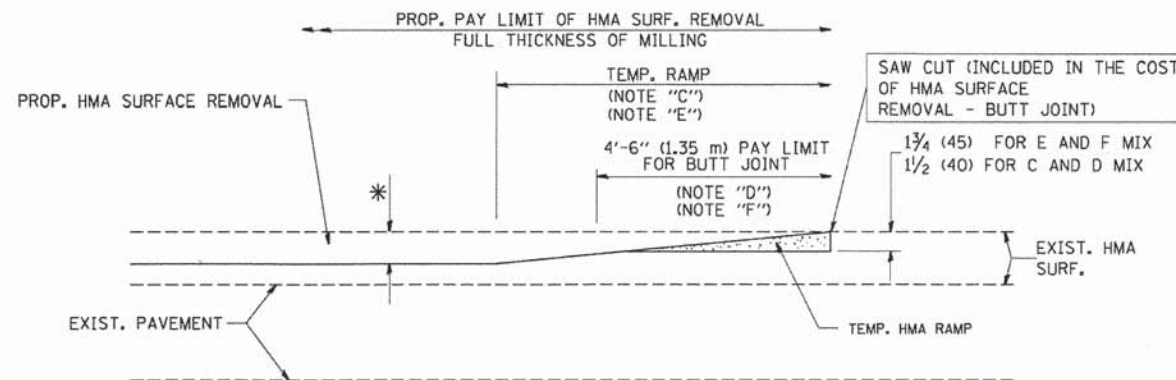
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FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
FAU 3771, FAU 3763				



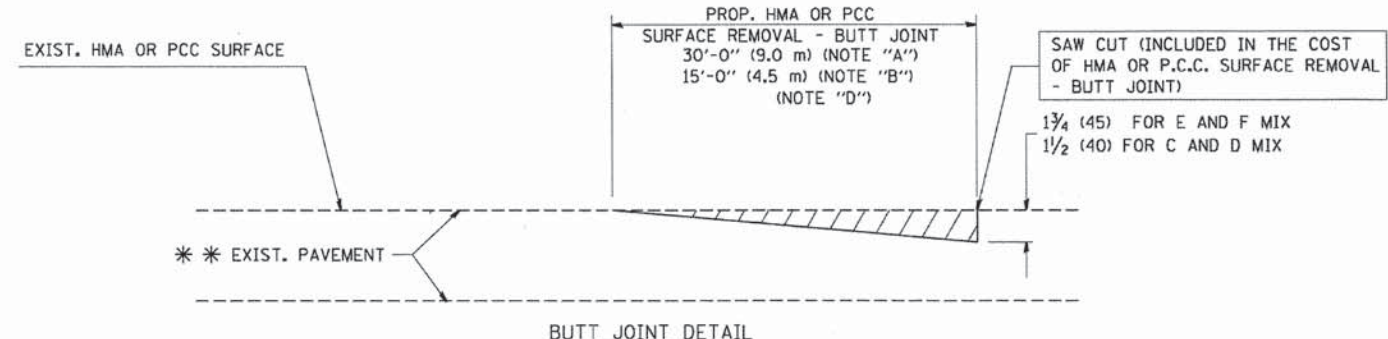
MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

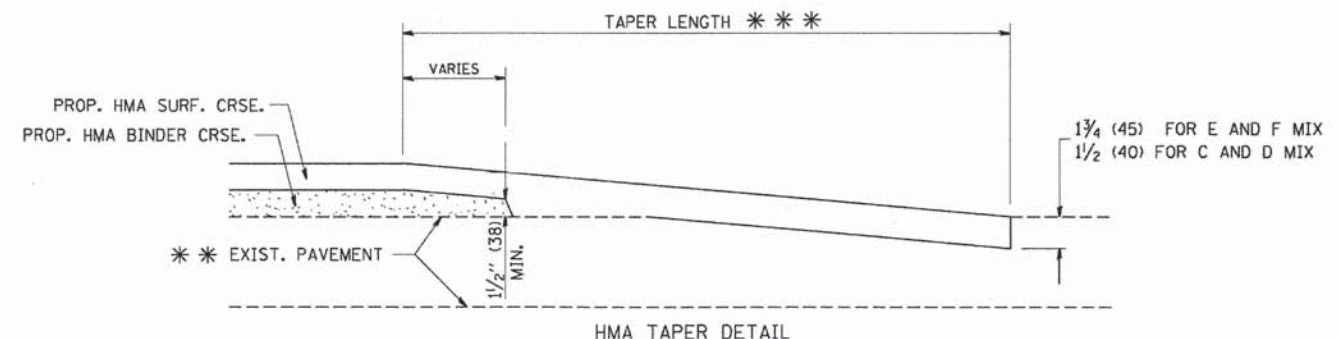


HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2
TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

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

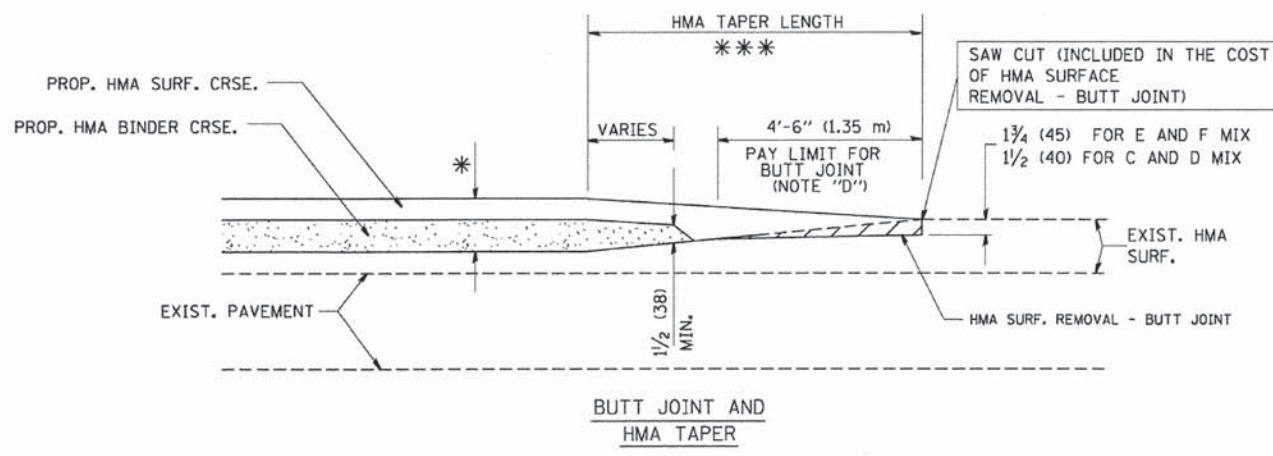
NOTES

- 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.



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

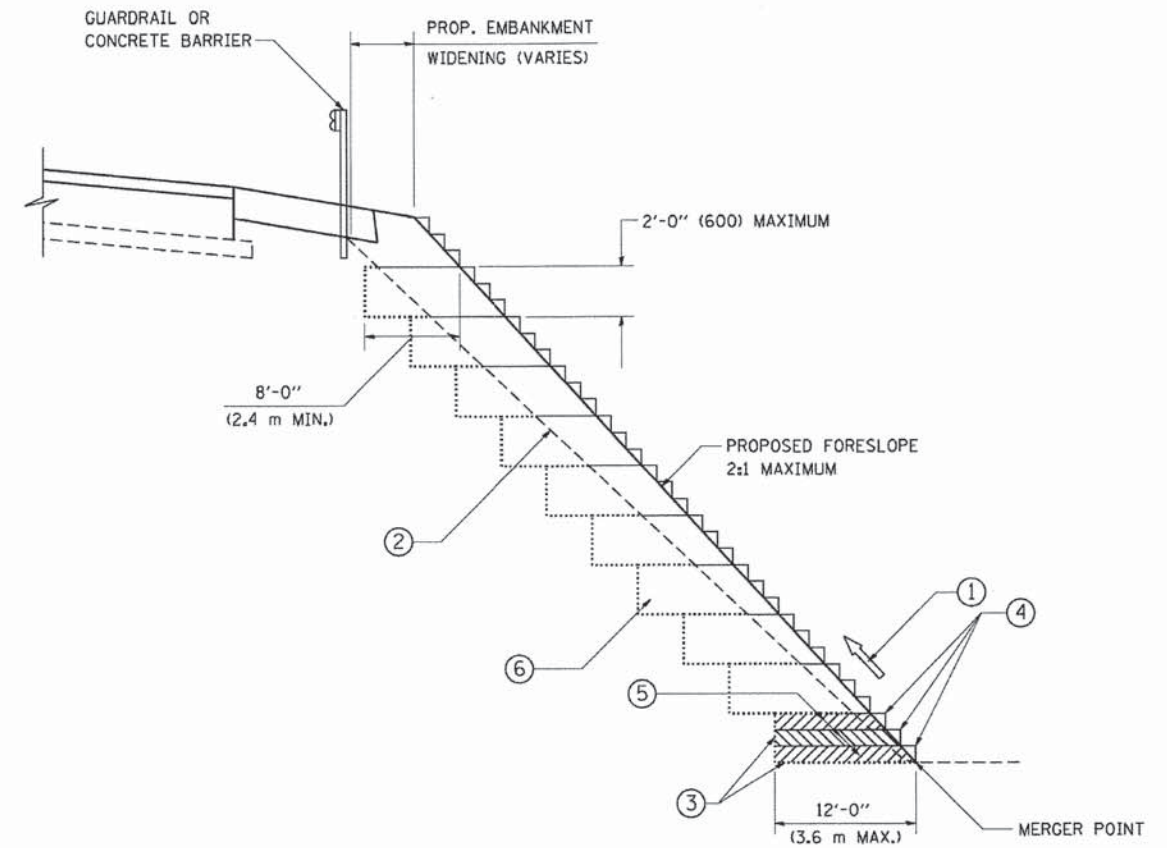
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		CHECKED -	REVISED - M. GOMEZ 04-06-01
		DATE - 06-13-90	REVISED - R. BORO 01-01-07

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA. TO STA.	
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F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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BD400-05 BD32			CONTRACT NO. 63888	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
FAU 3771, FAU 3763				



**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).

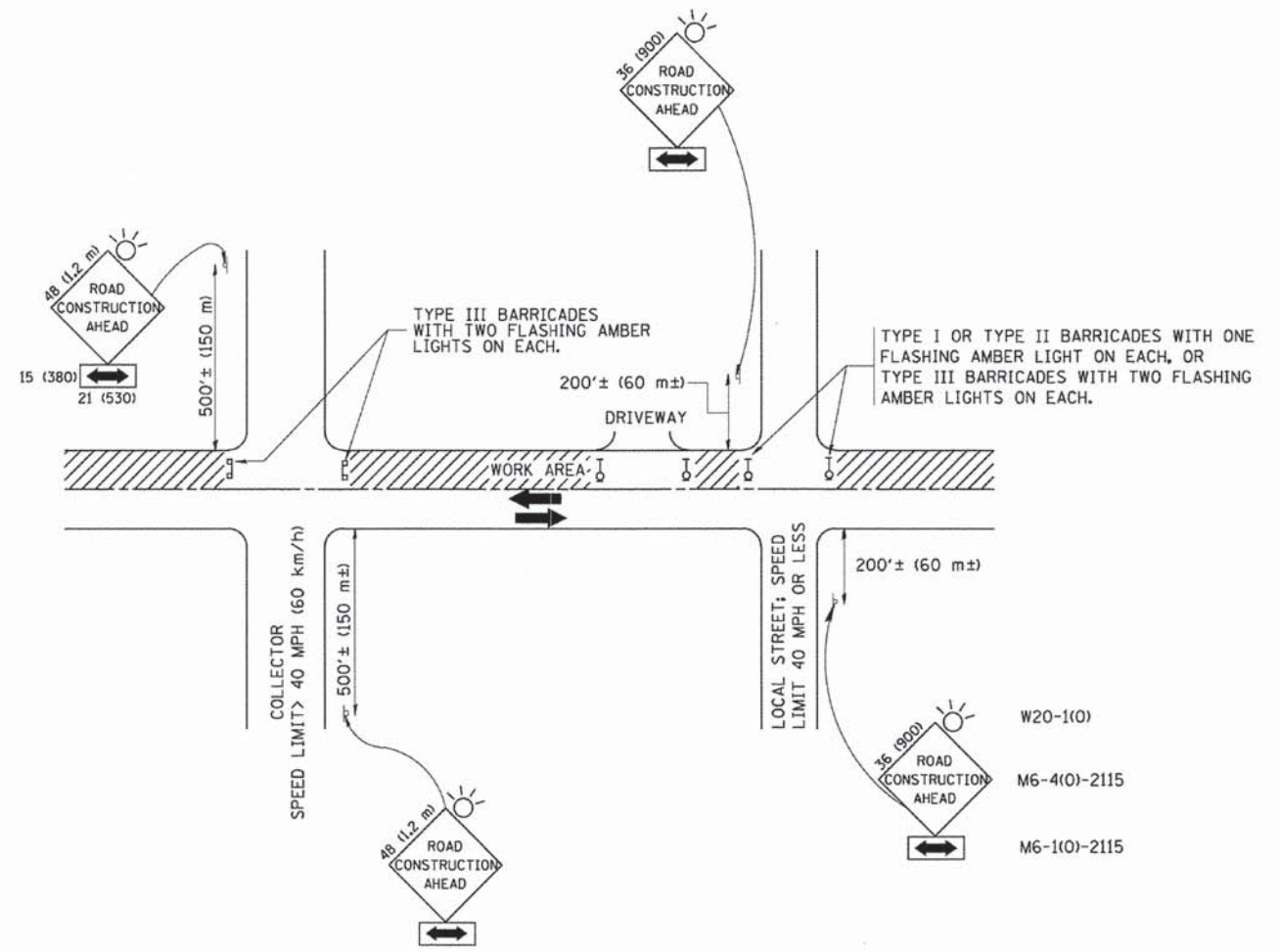
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA. TO STA.	
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BD-51			CONTRACT NO. 63888		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					
FAU 3771, FAU 3763					



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.

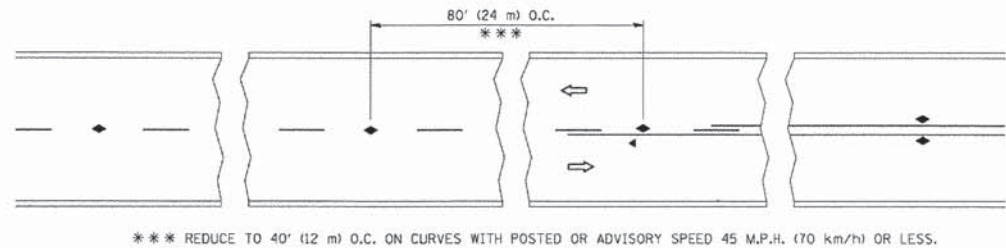
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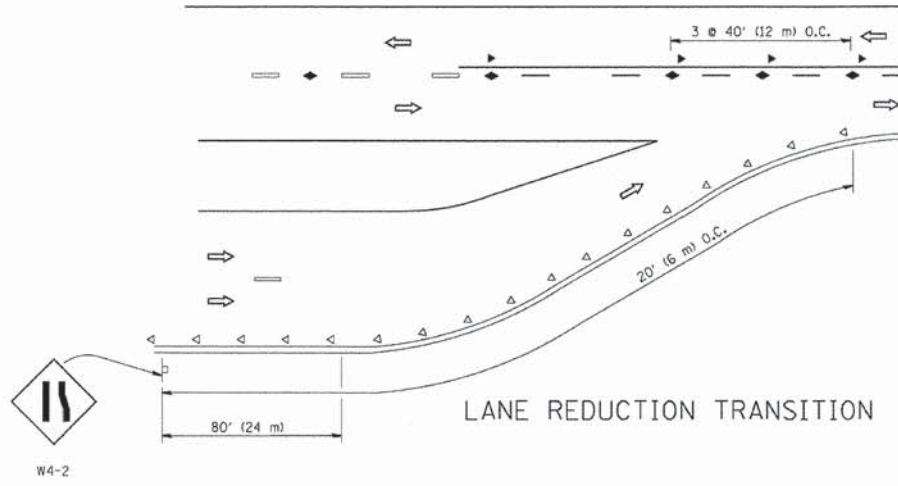
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS	
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STA.	TO STA.

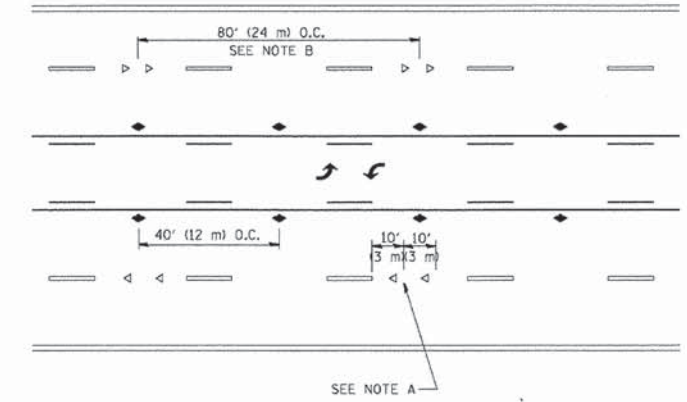
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FAU 3771, FAU 3763				



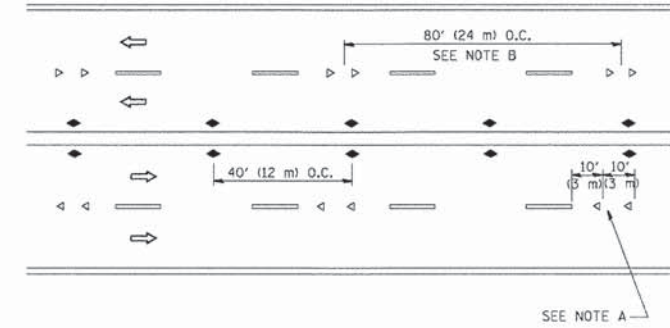
TWO-LANE/TWO-WAY



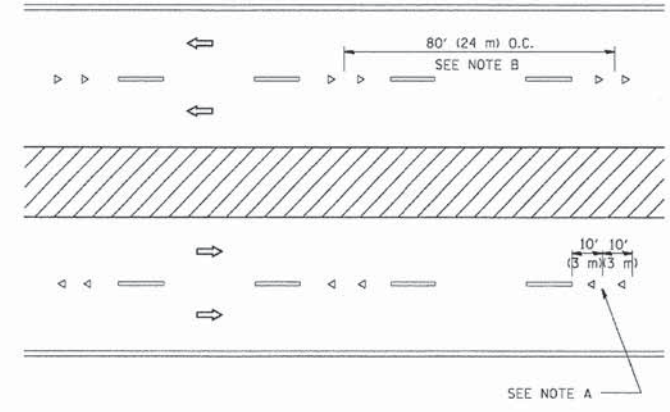
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

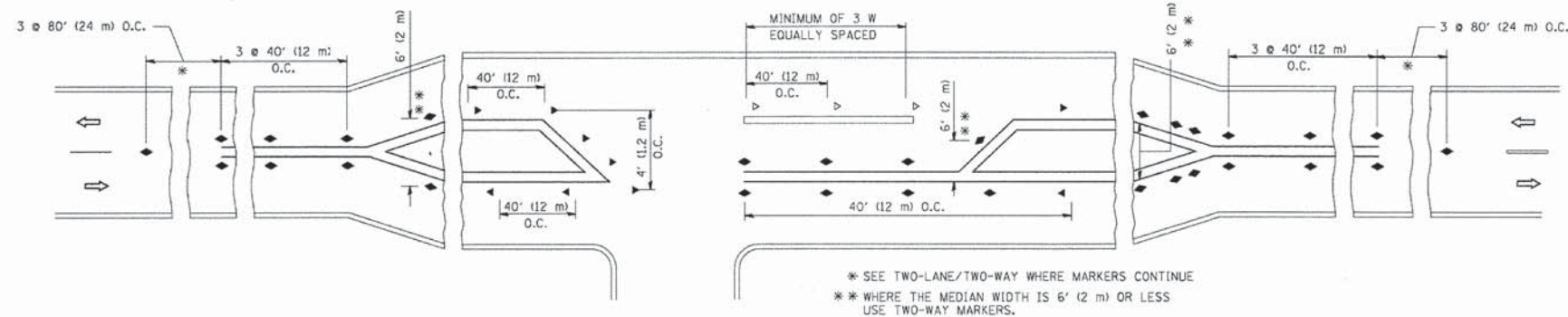
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

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

DESIGN NOTES

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



LEFT TURN

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

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

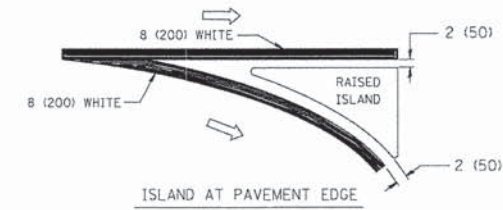
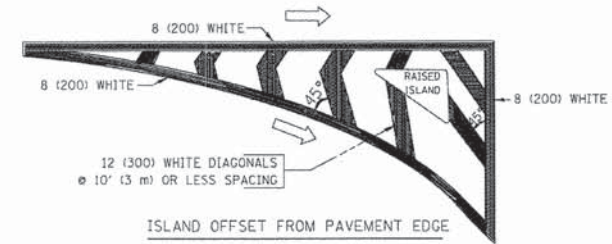
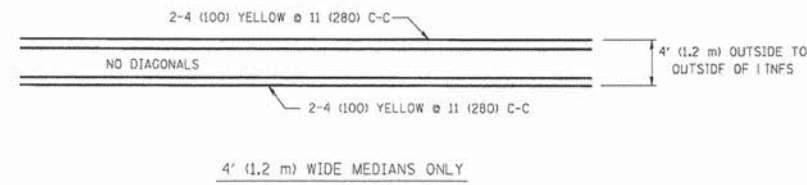
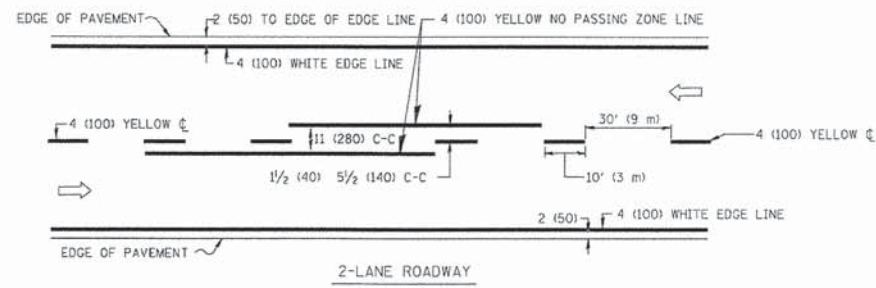
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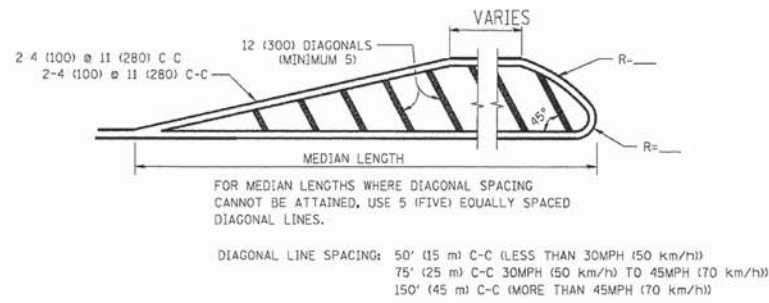
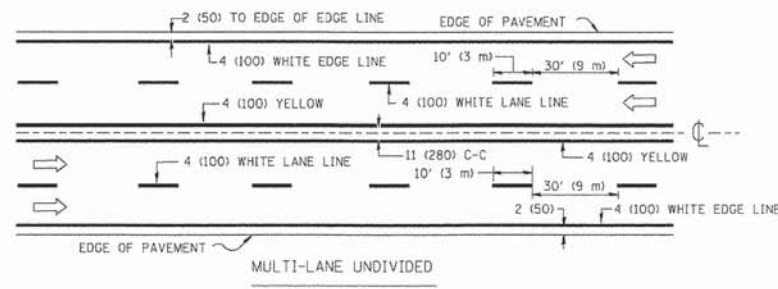
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS			
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

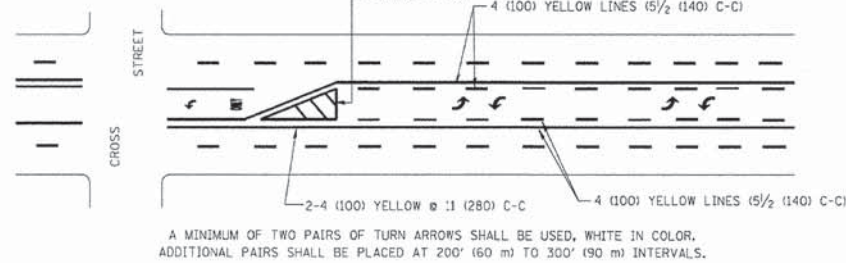
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FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
FAU 3771, FAU 3763				



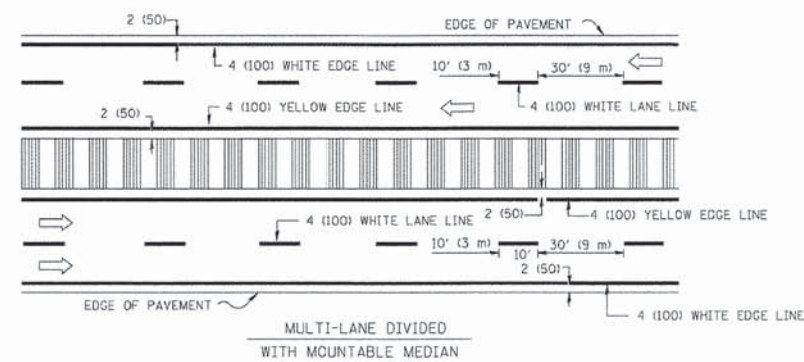
TYPICAL ISLAND MARKING



MEDIANS OVER 4' (1.2 m) WIDE

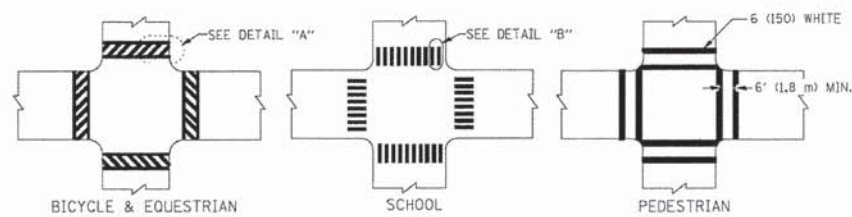


TYPICAL PAINTED MEDIAN MARKING

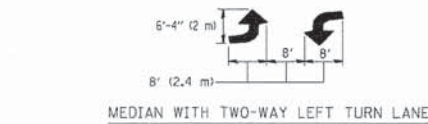


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

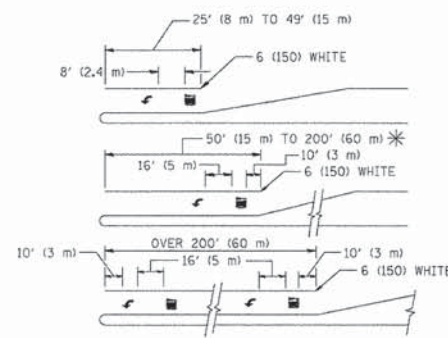
TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING



TYPICAL PAINTED MEDIAN MARKING



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 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (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 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	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

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

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

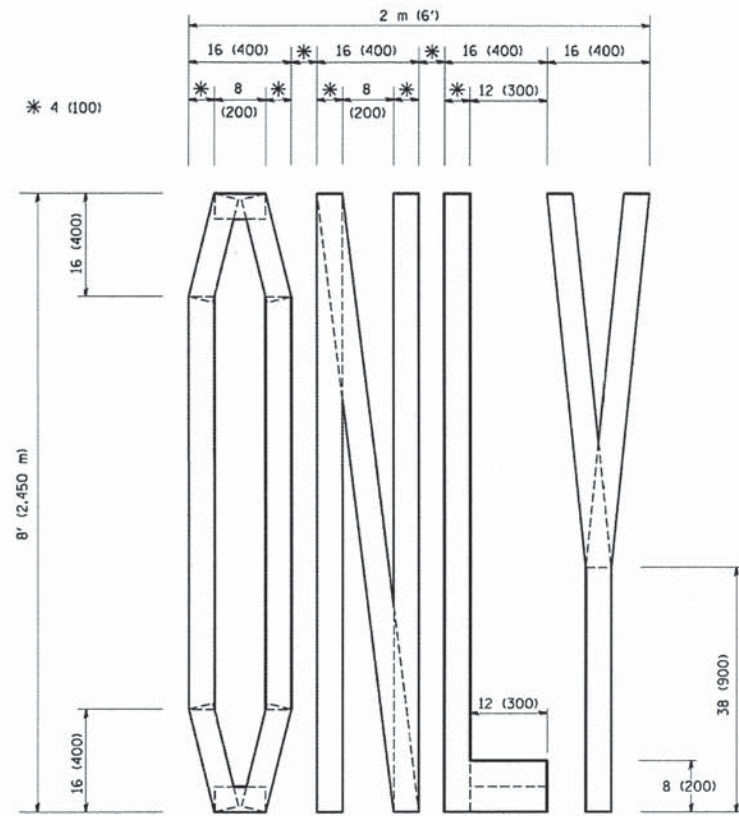
COMPANY NAME: STANDARD TRANS, INC.
PROJECT CONTACT: STANDARD TRANS, INC.
CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION
DATE PLOTTED: 09/09/2009
PLOT NUMBER: 12-00014-00-CH
PEN TABLE: STANDARD TRANS, INC.

FILE NAME =	USER NAME = drivakosgn	DESIGNED - EVERS	REVISED -T, RAMMACHER 10-27-94
ca:\pwork\pwork\drivakosgn\d0108315\3.dgn		DRAWN -	REVISED -C, JUCIUS 09-09-09
	PLOT SCALE = 58.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 9/9/2009	DATE - 03-19-90	REVISED -

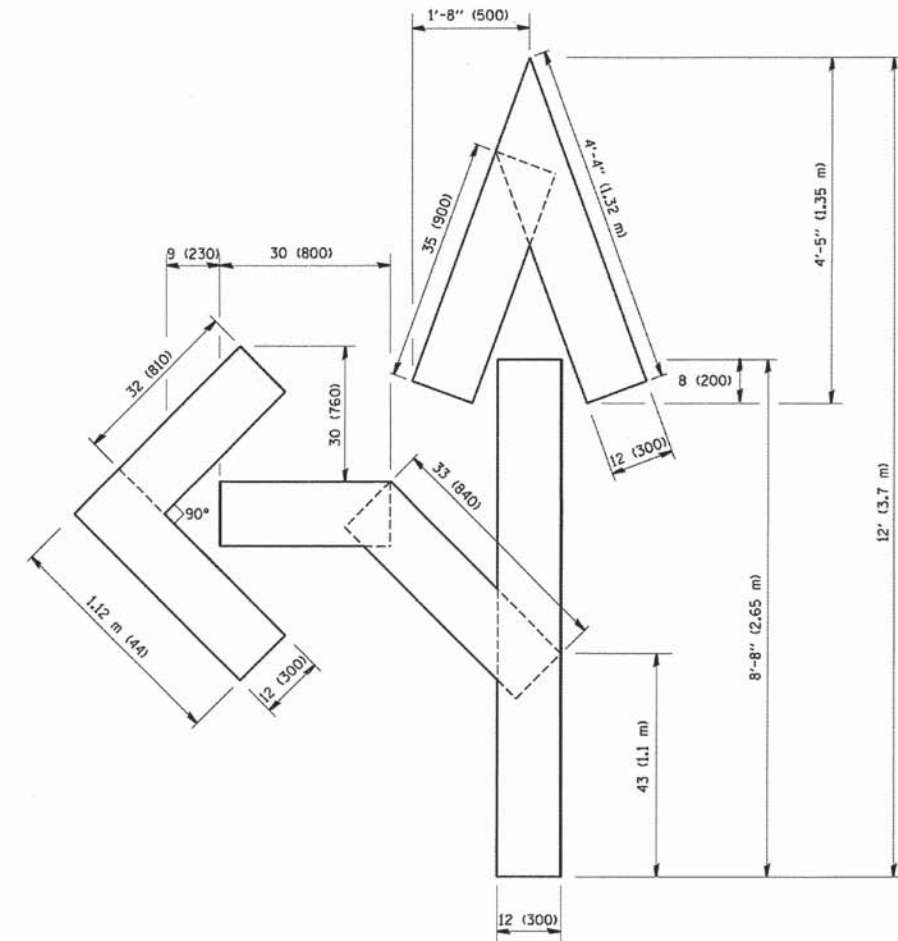
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

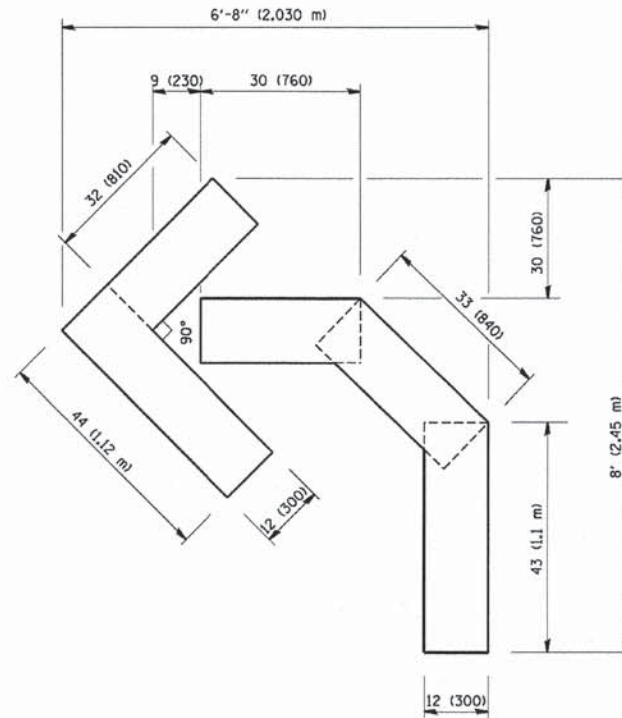
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			*	12-00014-00-CH	WILL	66	49
				TC-13	CONTRACT NO.		63888
				FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT			
				FAU 3771, FAU 3763			



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



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



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

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

COMPANY NAME:
 PROJECT CONTACT:
 12/14/2017 10:58:22 AM
 CLIENT:
 FILE NAME:
 FILE NAME:
 PLOT DRIVER:
 PEN TABLE:
 standard-trans.tbl

FILE NAME =	USER NAME = geglionobt
W:\diststd\22x34\col16.dgn	

DESIGNED -	REVISD -T. RAMMACHER 06-05-96
DRAWN -	REVISD -T. RAMMACHER 11-04-97
CHECKED -	REVISD -T. RAMMACHER 03-02-98
DATE - 09-18-94	REVISD -E. GOMEZ 08-28-00

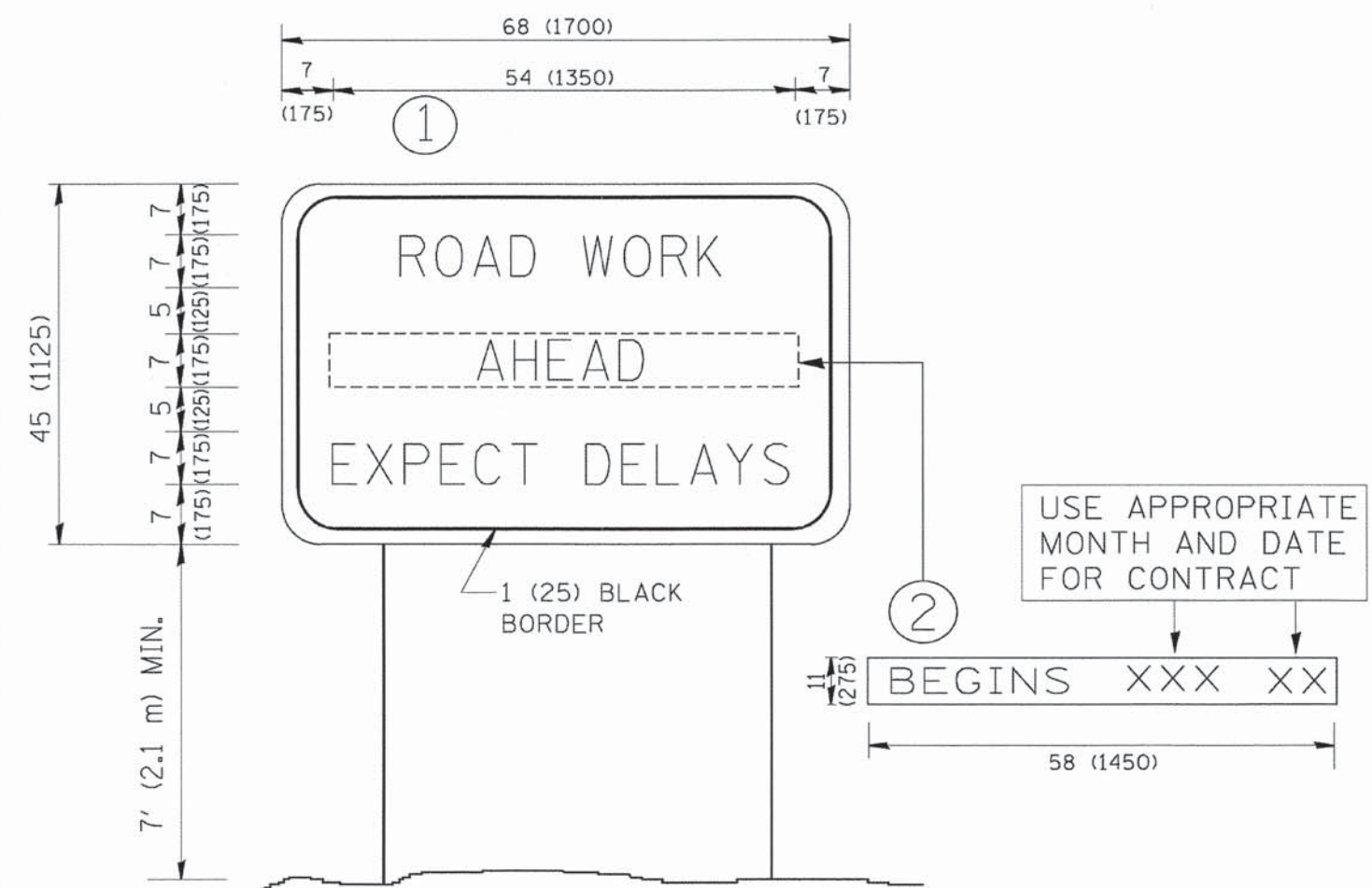
PLOT SCALE = 58.0000" / IN.
PLOT DATE = 1/4/2008

DESIGNED -	REVISD -T. RAMMACHER 06-05-96
DRAWN -	REVISD -T. RAMMACHER 11-04-97
CHECKED -	REVISD -T. RAMMACHER 03-02-98
DATE - 09-18-94	REVISD -E. GOMEZ 08-28-00

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	12-00014-00-CH	WILL	66	50
TC-16			CONTRACT NO. 63888	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
FAU 3771, FAU 3763				



NOTES:

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

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

COMPANY NAME: PROJECT CONTACT: 12/4/2013 11:50:10 AM
 CLIENT: DATE PLOTTED: 411-081-11.dgn
 FILE NAME: PLOT DRIVER: pdf.plt
 PEN TABLE: standard-trans.tbl

FILE NAME = W:\diststd\22x34\tc22.dgn	USER NAME = gaglienobt	DESIGNED -	REVISED - R. MIRS 09-15-97
		DRAWN -	REVISED - R. MIRS 12-11-97
	PLOT SCALE = 60.000 * / IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

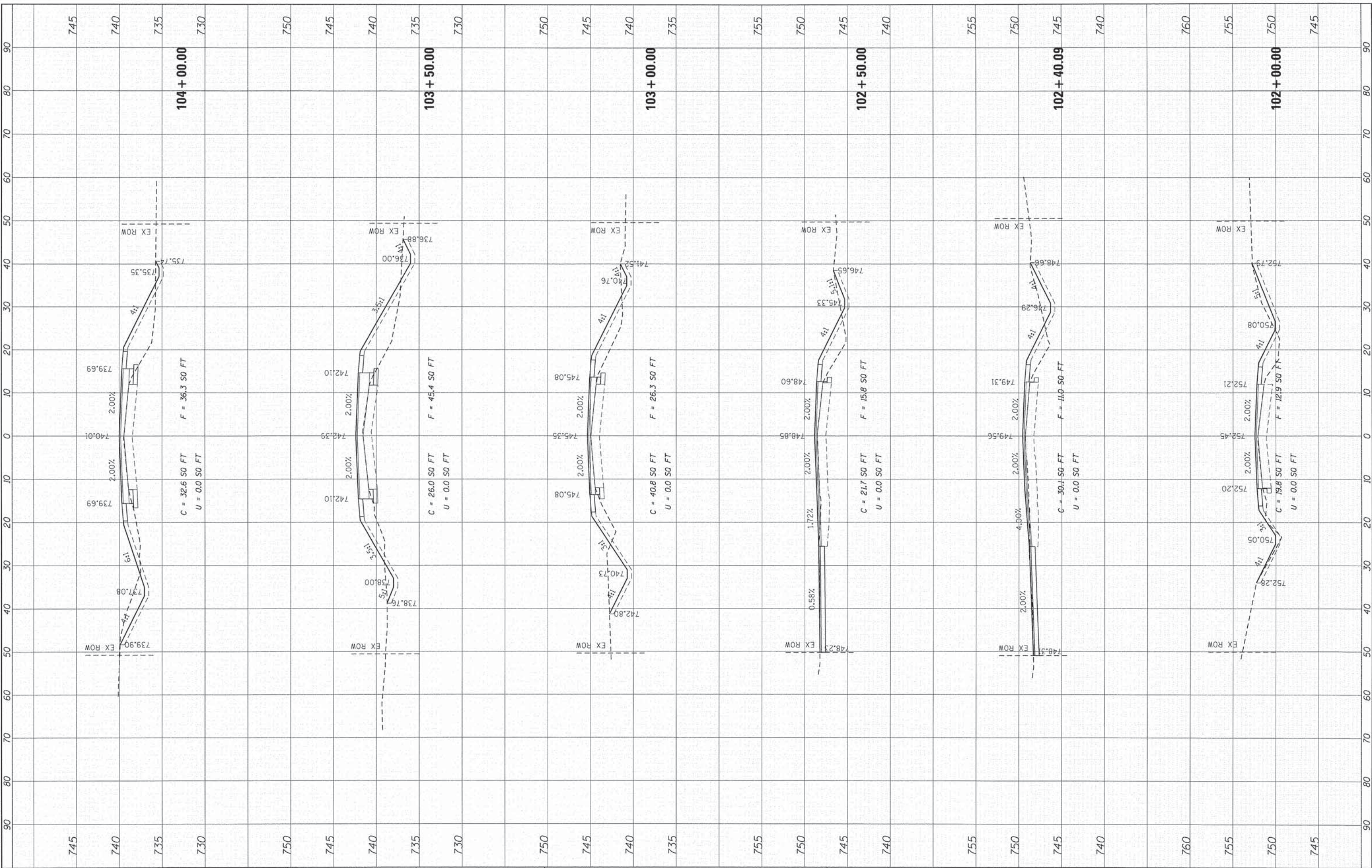
ARTERIAL ROAD INFORMATION SIGN			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	12-0014-00-CH	WILL	66	51
TC-22			CONTRACT NO. 63888	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
FAU 3771, FAU 3763				

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
 PROJECT CONTACT: HRGreen.com
 CLIENT: 12/4/2013 11:51:01 AM
 DATE PLOTTED: 411-xsec-151stg
 FILE NAME: pdf.plt
 PLOT DRIVER: standard.ctb
 PLOT TABLE:



DESIGNED	- TAY	REVISED	-
DRAWN	- DS	REVISED	-
CHECKED	- JJS	REVISED	-
DATE	- 12/4/13	REVISED	-

USER NAME	= tjetton
PLLOT SCALE	= 1"=10'
PLLOT DATE	= 12/4/2013

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
151ST STREET

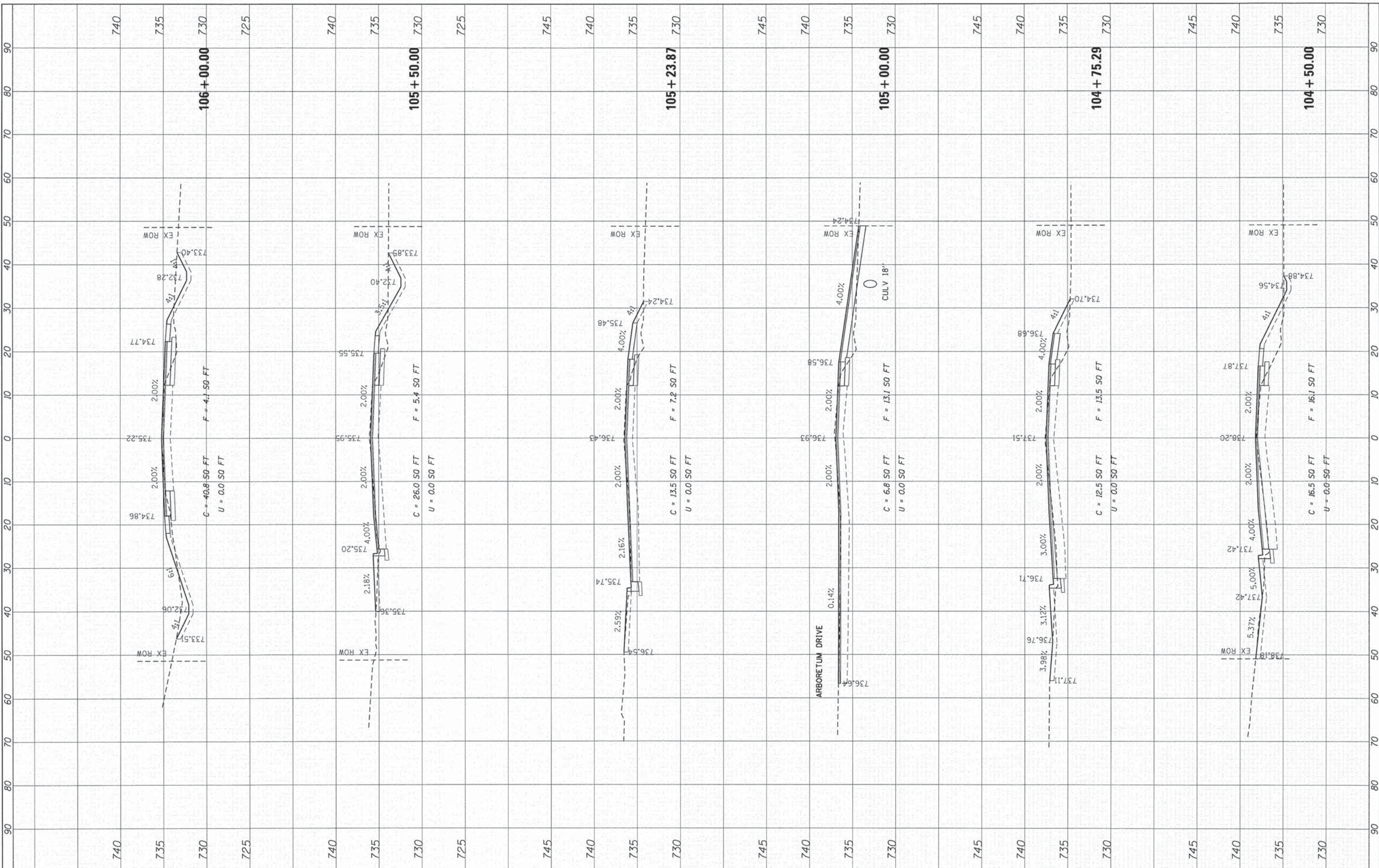
SCALE: 1"=10' SHEET 1 OF 7 SHEETS STA. 102+00.00 TO STA. 104+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	12-00014-00-CH	WILL	66	52
•	FAU 3771, FAU 3763			CONTRACT NO. 63888
				ILLINOIS FED. AID PROJECT M-4003(144)

FINAL SURVEY	DATE
NOTE BOOK	BY
TEMPLATE	NO.
AREAS CHECKED	

ORIGINAL SURVEY	DATE
NOTE BOOK	BY
TEMPLATE	NO.
AREAS CHECKED	

COMPANY NAME: HRGreen
 PROJECT CONTACT: 12/4/2013 10:51:07 AM
 CLIENT: 411-xsec-151.dgn
 FILE NAME: pdf.plt
 PLOT DRIVER: srfondor-franscbi
 PLOT TABLE:



USER NAME = tye1ton
DESIGNED - TAY
DRAWN - DS
CHECKED - JJS
DATE - 12/4/13

PLDT SCALE = 1"=10'
PLDT DATE = 12/4/2013

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

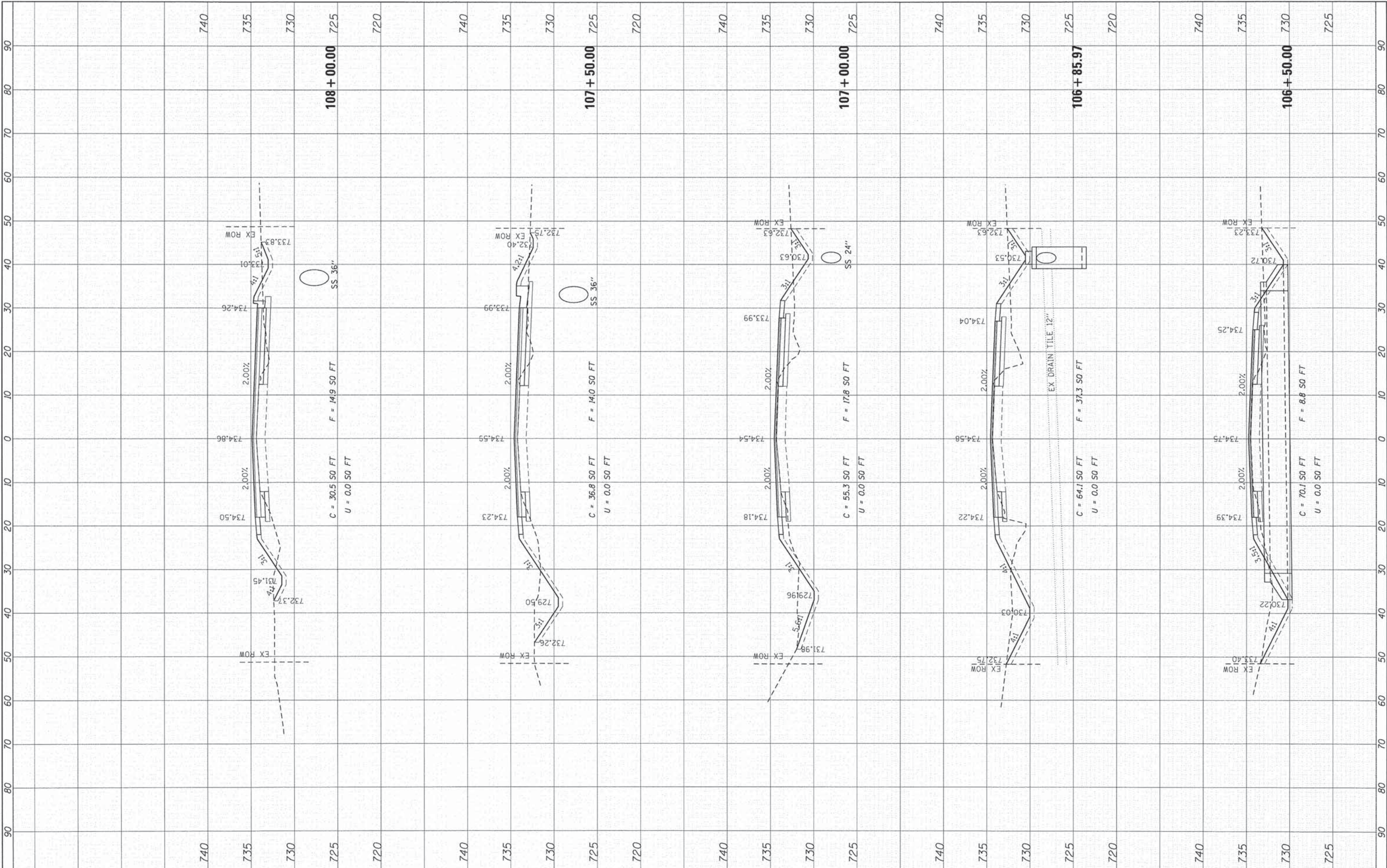
CROSS SECTIONS 151ST STREET	
SCALE: 1"=10'	SHEET 2 OF 7 SHEETS STA. 104+50.00 TO STA. 106+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	12-00014-00-CH	WILL	66	53
•	FAU 3771, FAU 3763	CONTRACT NO.	63888	
[ILLINOIS] FED. AID PROJECT M-4003(144)				

FINAL SURVEY	SUBMITTED	BY	DATE
NOTE BOOK	NO. _____		
AREAS CHECKED			

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

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 CLIENT: 12/4/2013 11:51:13 AM
 DATE PLOTTED: 4/1-xenc-151.dgn
 FILE NAME: pof.dgn
 PLOT DRIVER: standard-trans.tbl



USER NAME = tyej1ton	DESIGNED - TAY	REVISED -
PLOT SCALE = 1"=10'	DRAWN - DS	REVISED -
PLOT DATE = 12/4/2013	CHECKED - JJS	REVISED -
	DATE - 12/4/13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

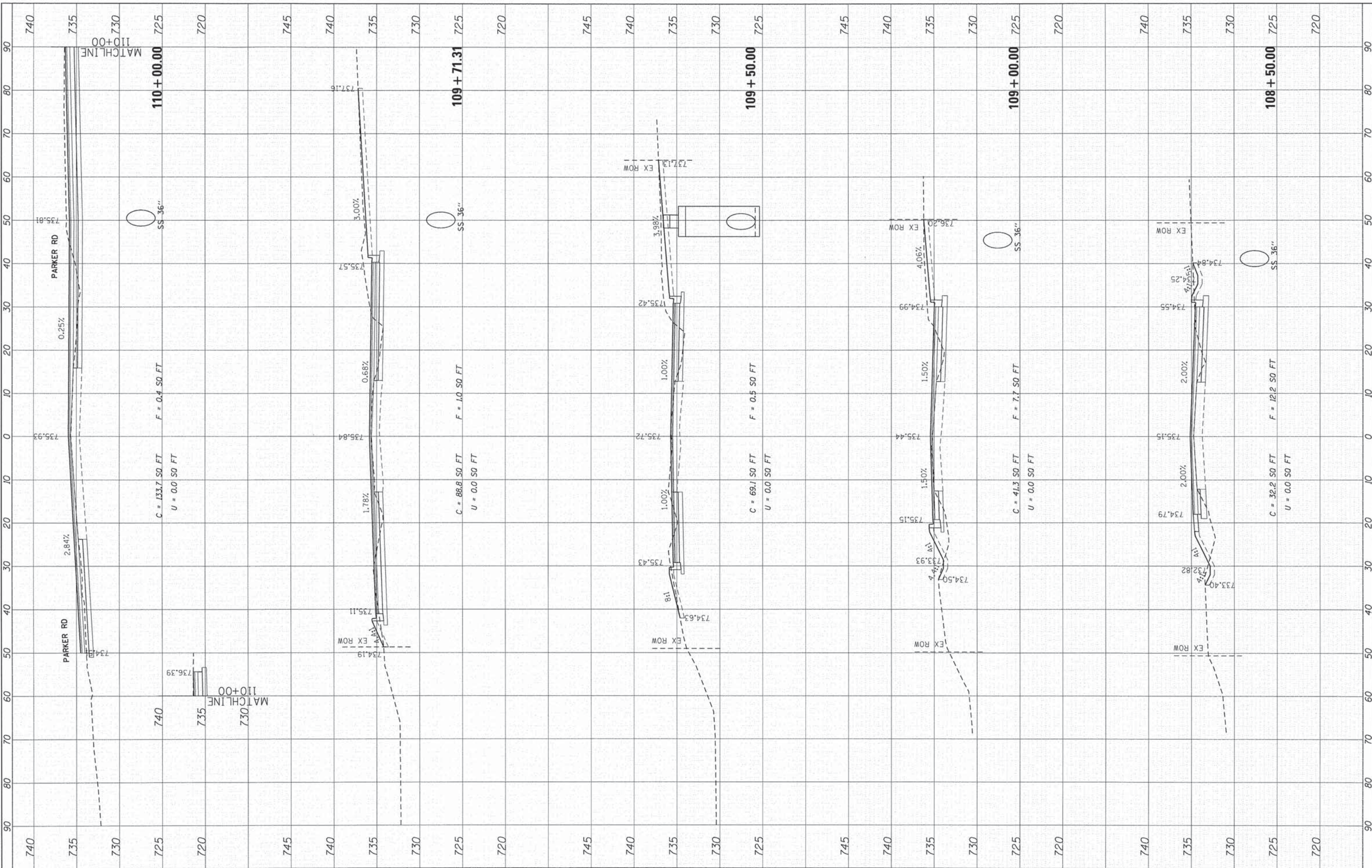
CROSS SECTIONS
151ST STREET
 SCALE: 1"=10' SHEET 3 OF 7 SHEETS STA. 106+50.00 TO STA. 108+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	12-00014-00-CH	WILL	66	54
•	FAU 3771, FAU 3763	CONTRACT NO.	63888	
ILLINOIS FED. AID PROJECT M-4003(144)				

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
CHECKED		
NO.		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
CHECKED		
NO.		

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: TAYLOR
 CLIENT: HRGreen.com
 DATE PLOTTED: 12/4/2013 11:58:19 AM
 FILE NAME: 411-rsac-151.dgn
 PLOT DRIVER: pd7calp
 PEN TABLE: standard.ctb



USER NAME = taylor
DESIGNED - TAY
DRAWN - DS
CHECKED - JJS
DATE - 12/4/13

PLT SCALE = 1"=10'
REVISIONS
REVISIONS
REVISIONS
REVISIONS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

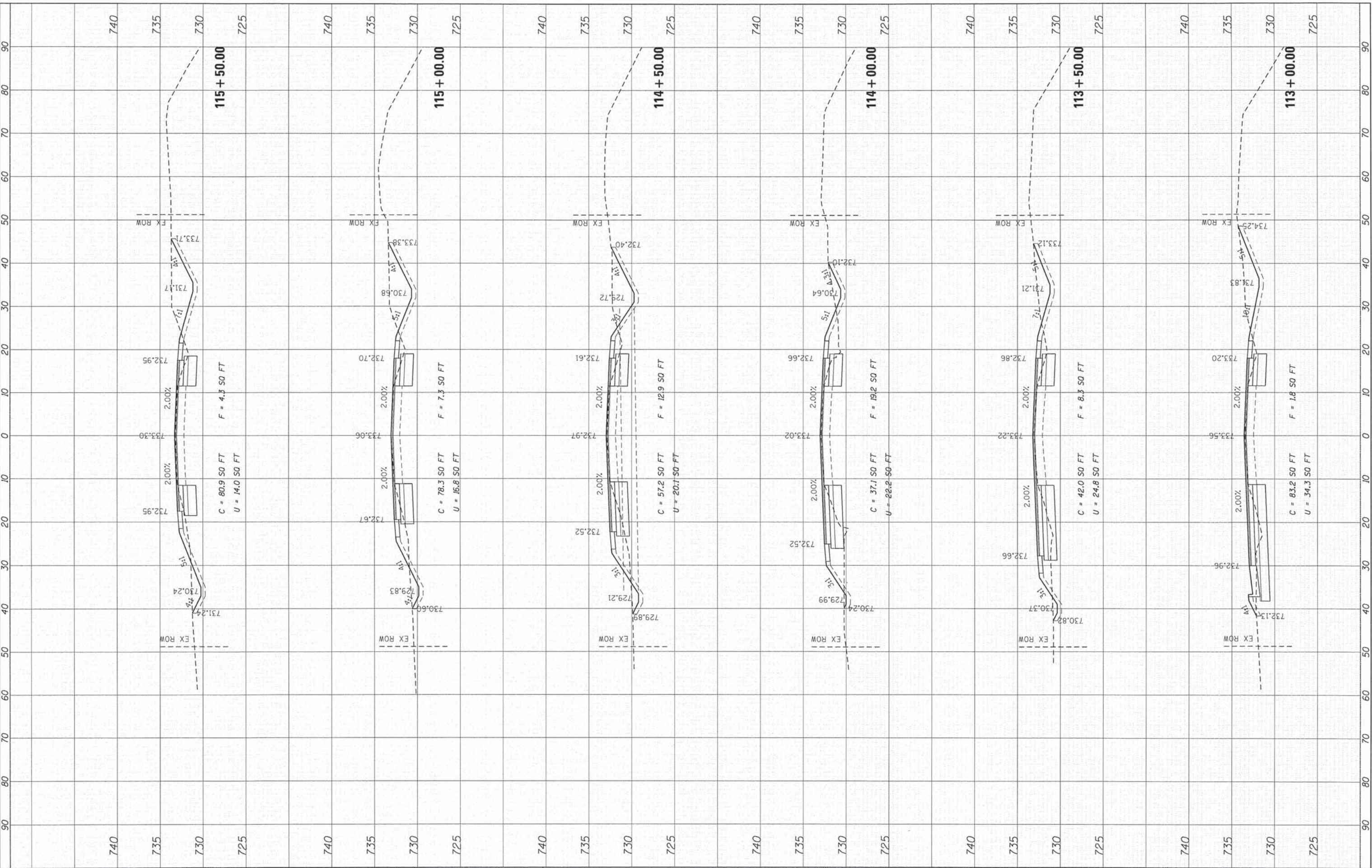
CROSS SECTIONS
151ST STREET
SCALE: 1"=10'
SHEET 4 OF 7 SHEETS
STA. 108+50.00 TO STA. 110+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	12-00014-00-CH	WILL	66	55
• FAU 3771, FAU 3763	CONTRACT NO. 63888			
[ILLINOIS] FED. AID PROJECT M-4003(144)				

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

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

COMPANY NAME: HRGreen
 PROJECT CONTACT: tyeilton
 CLIENT: 12/4/2013 10:51:57 AM
 DATE PLOTTED: 12/4/2013
 PLOT DRIVER: standard-trans.tlv
 PLOT TABLE:

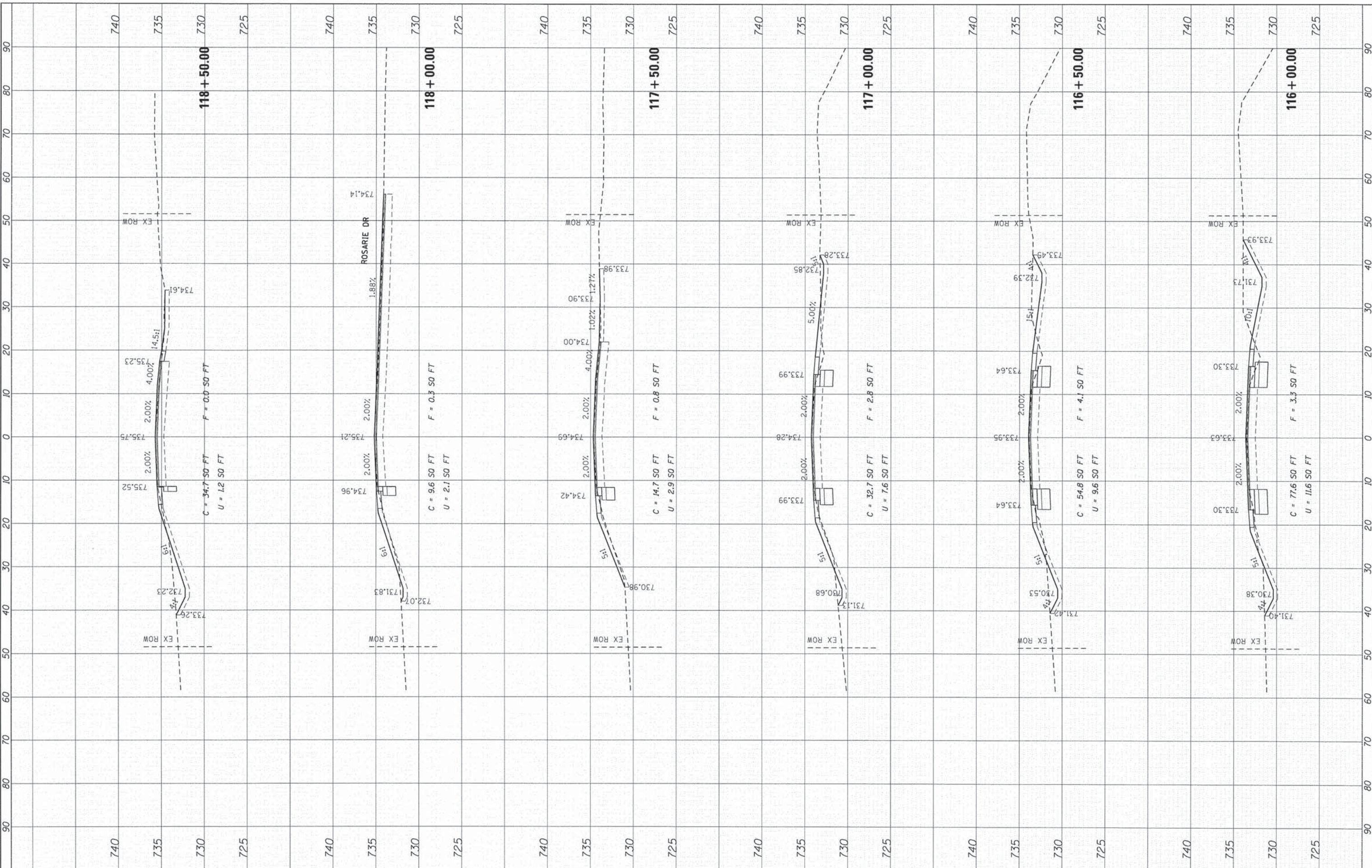


	USER NAME = tyeilton PLOT SCALE = 1"=10' PLOT DATE = 12/4/2013	DESIGNED - TAY DRAWN - DS CHECKED - JJS DATE - 12/4/13	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS 151ST STREET	SCALE: 1"=10' SHEET 6 OF 7 SHEETS STA. 113+00.00 TO STA. 115+50.00	F.A. RTE. 12-00014-00-CH COUNTY WILL TOTAL SHEETS 66 SHEET NO. 57	CONTRACT NO. 63888 ILLINOIS FED. AID PROJECT M-4003(144)
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FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	AREAS CHECKED		

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

COMPANY NAME: HRGreen
 PROJECT CONTACT: TAYLOR
 DATE PLOTTED: 12/4/2013 10:51:37 AM
 FILE NAME: 411-xssc-151.dgn
 PLOT BY: JJS
 PEN TABLE:



USER NAME = taylor	DESIGNED - TAY	REVISED -
PLOT SCALE = 1"=10'	DRAWN - DS	REVISED -
PLOT DATE = 12/4/2013	CHECKED - JJS	REVISED -
	DATE - 12/4/13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
151ST STREET

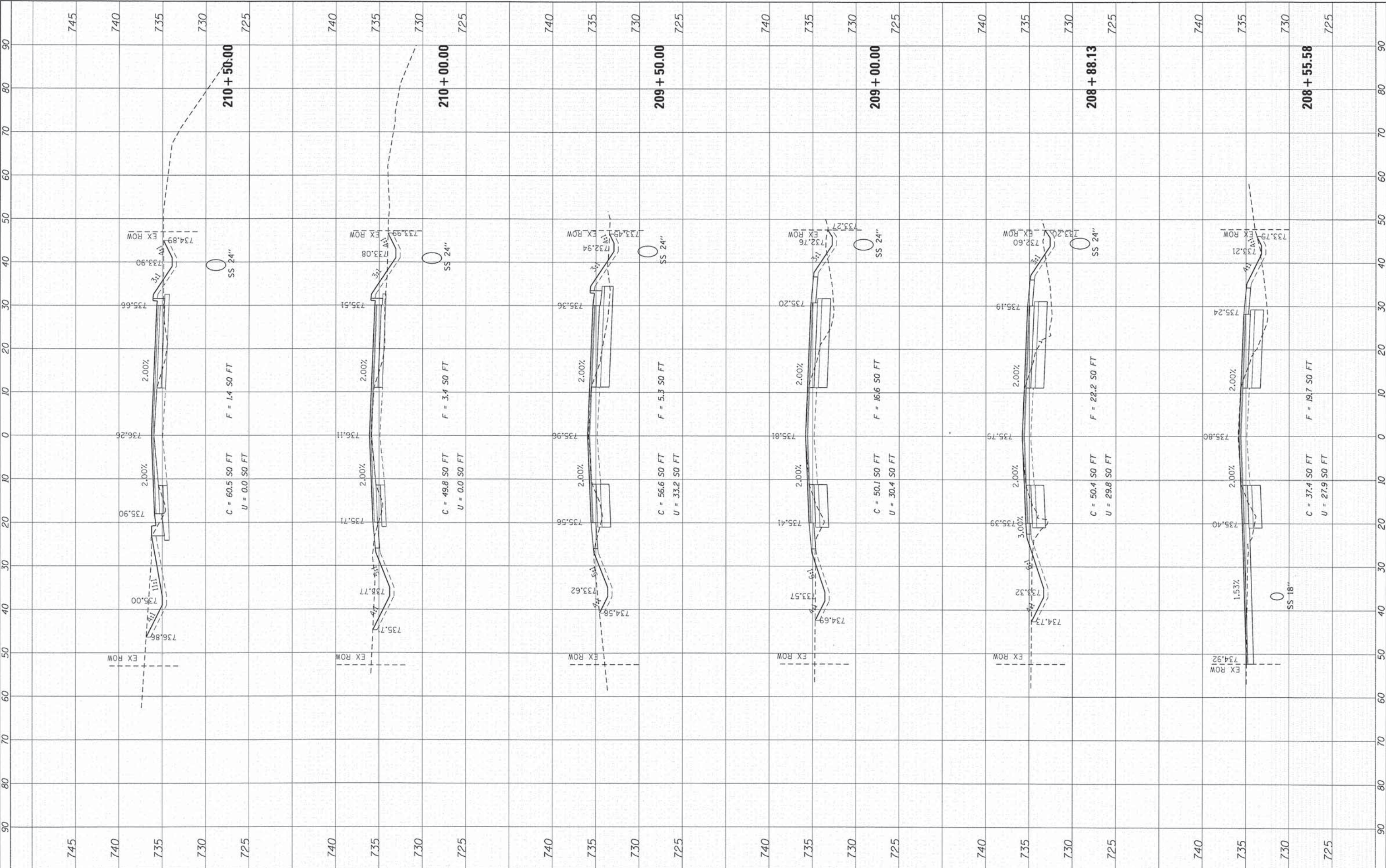
SCALE: 1"=10' SHEET 7 OF 7 SHEETS STA. 116+00.00 TO STA. 118+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	12-00014-00-CH	WILL	66	58
• FAU 3771, FAU 3763			CONTRACT NO. 63888	
ILLINOIS FED. AID PROJECT			M-4003(144)	

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 CONTACT: 12/19/2013 12:26:40 PM
 DATE PLOTTED: 12/19/2013 12:26:40 PM
 PLOT DRIVER: pldrvr.dgn
 PEN TABLE: standard-trans.tbl

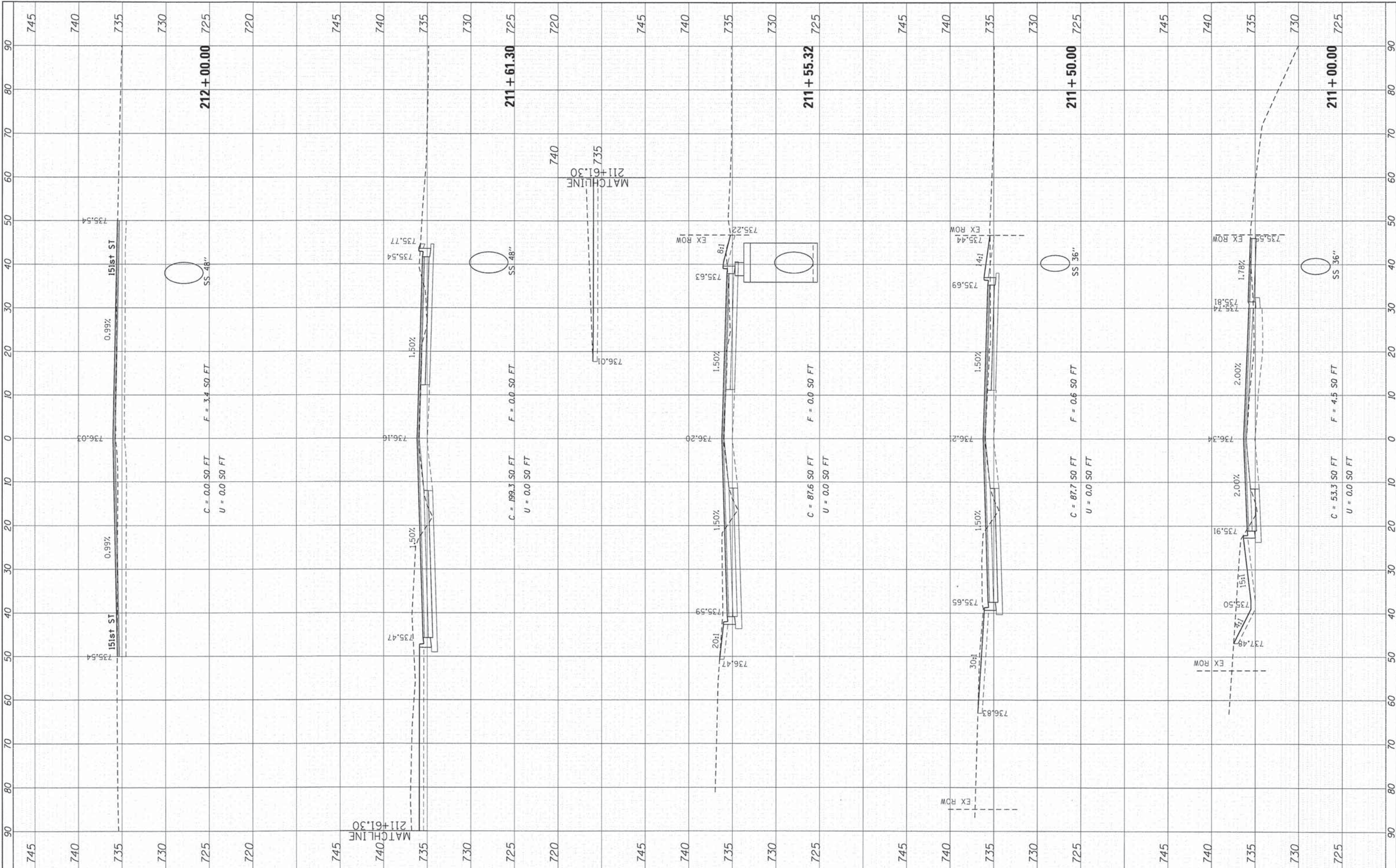


	USER NAME = sjelton PLOT SCALE = 1"=10' PLOT DATE = 12/19/2013	DESIGNED - TAY DRAWN - DS CHECKED - JJS DATE - 12/19/13	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS PARKER ROAD	SCALE: 1"=10' SHEET 3 OF 8 SHEETS STA. 208+55.58 TO STA. 210+50.00	F.A. RTE. 12-00014-00-CH COUNTY WILL TOTAL SHEETS 66 SHEET NO. 61	CONTRACT NO. 63888 (ILLINOIS) FED. AID PROJECT M-4003(144)
						SECTION 12-00014-00-CH COUNTY WILL CONTRACT NO. 63888	TOTAL SHEETS 66 SHEET NO. 61	CONTRACT NO. 63888 (ILLINOIS) FED. AID PROJECT M-4003(144)

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

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

COMPANY NAME: HRGreen
 PROJECT CONTACT: 12/19/2013 12:44:46 PM
 CLIENT: 411-ssac-Parker.dgn
 FILE NAME: pcf.dgn
 PLOT DRIVER: standard-trans.tbl



USER NAME = tyeison
PLOT SCALE = 1"=10'
PLOT DATE = 12/19/2013

DESIGNED - TAY	REVISED -
DRAWN - DS	REVISED -
CHECKED - JJS	REVISED -
DATE - 12/19/13	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
PARKER ROAD**

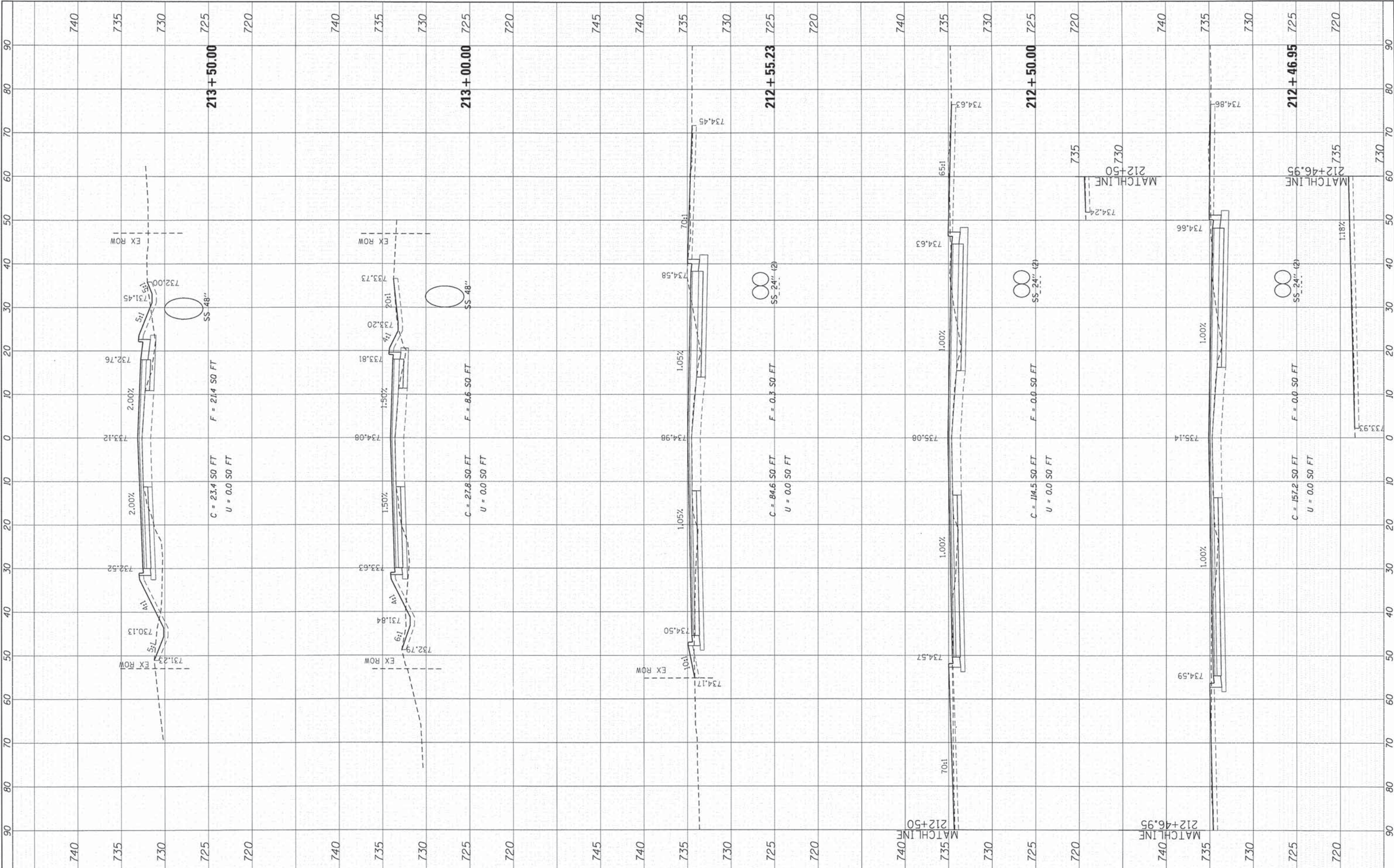
SCALE: 1"=10' SHEET 4 OF 8 SHEETS STA. 211+00.00 TO STA. 212+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	12-00014-00-CH	WILL	66	62
•	FAU 3771, FAU 3763			CONTRACT NO. 63888
ILLINOIS FED. AID PROJECT M-4003(144)				

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

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

COMPANY NAME: HRGreen.com
 PROJECT CONTACTS:
 CLIENT: 12/19/2013 12:45:51 PM
 DATE PLOTTED: 4/1/2014
 FILE NAME: Parker.dgn
 PLOT DRIVER: pdf.plt
 PEN TABLE: Standard.ctb

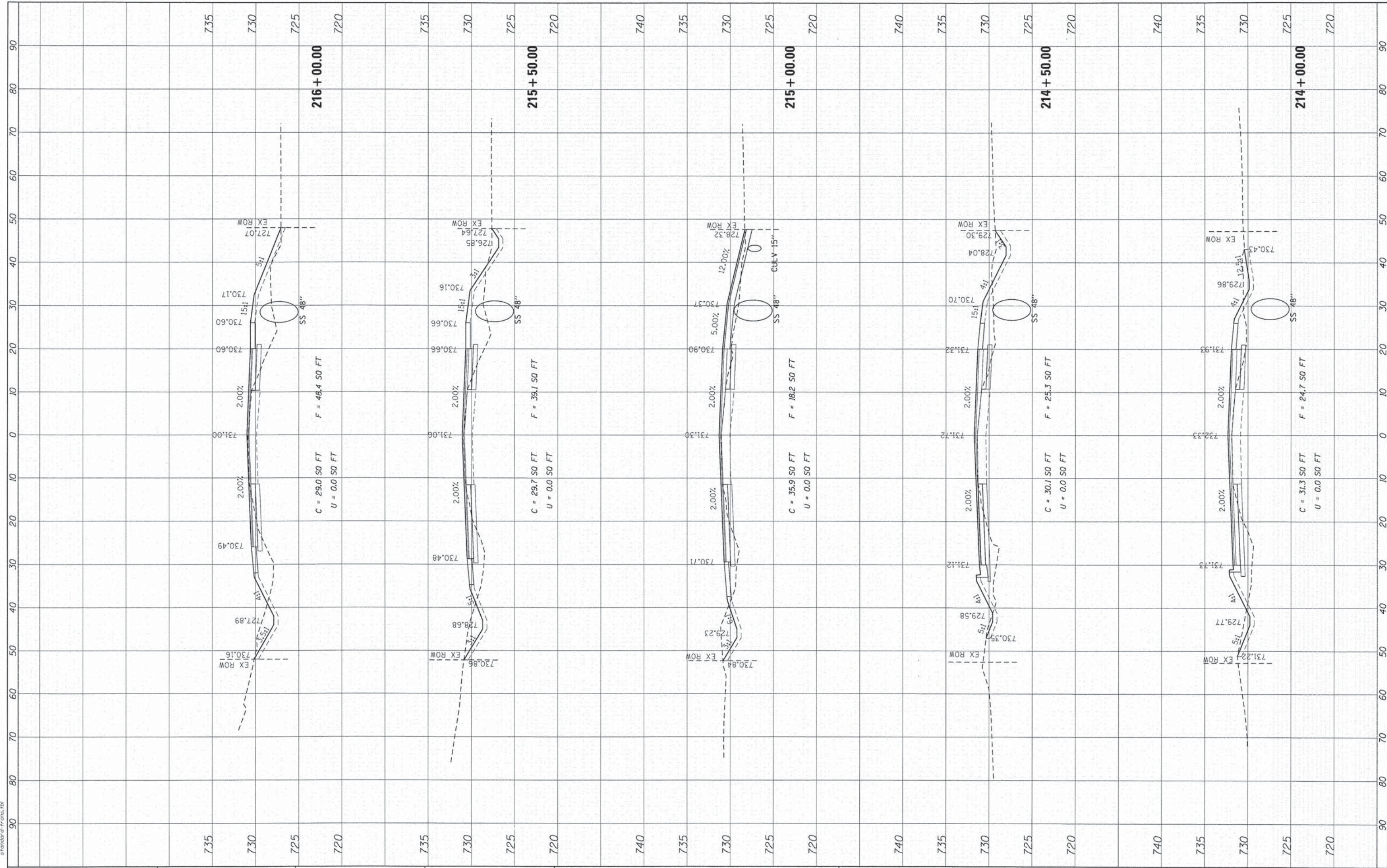


	USER NAME = sjelton PLOT SCALE = 1"=10' PLOT DATE = 12/19/2013	DESIGNED - TAY DRAWN - DS CHECKED - JJS DATE - 12/19/13	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS PARKER ROAD	SCALE: 1"=10' SHEET 5 OF 8 SHEETS STA. 212+46.95 TO STA. 213+50.00	F.A. RTE. 12-00014-00-CH COUNTY WILL TOTAL SHEETS 66 SHEET NO. 63	CONTRACT NO. 63888 [ILLINOIS] FED. AID PROJECT M-4003(144)
		HRGreen.com Illinois Professional Design Firm # 184-001322	CONTRACT NO. 63888					

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

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

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: Illinois Professional Design Firm #184-001322
 CLIENT: 12/19/2013 12:26:58 PM
 DATE PLOTTED: 12/19/2013 12:26:58 PM
 PLOT DRIVER: s:\p02013\121913\121913.dgn
 PEN TABLE: s:\p02013\121913\121913.tbl



USER NAME = tjelton	DESIGNED - TAY	REVISED -
	DRAWN - DS	REVISED -
PLOT SCALE = 1"=10'	CHECKED - JJS	REVISED -
PLOT DATE = 12/19/2013	DATE - 12/19/13	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
PARKER ROAD**

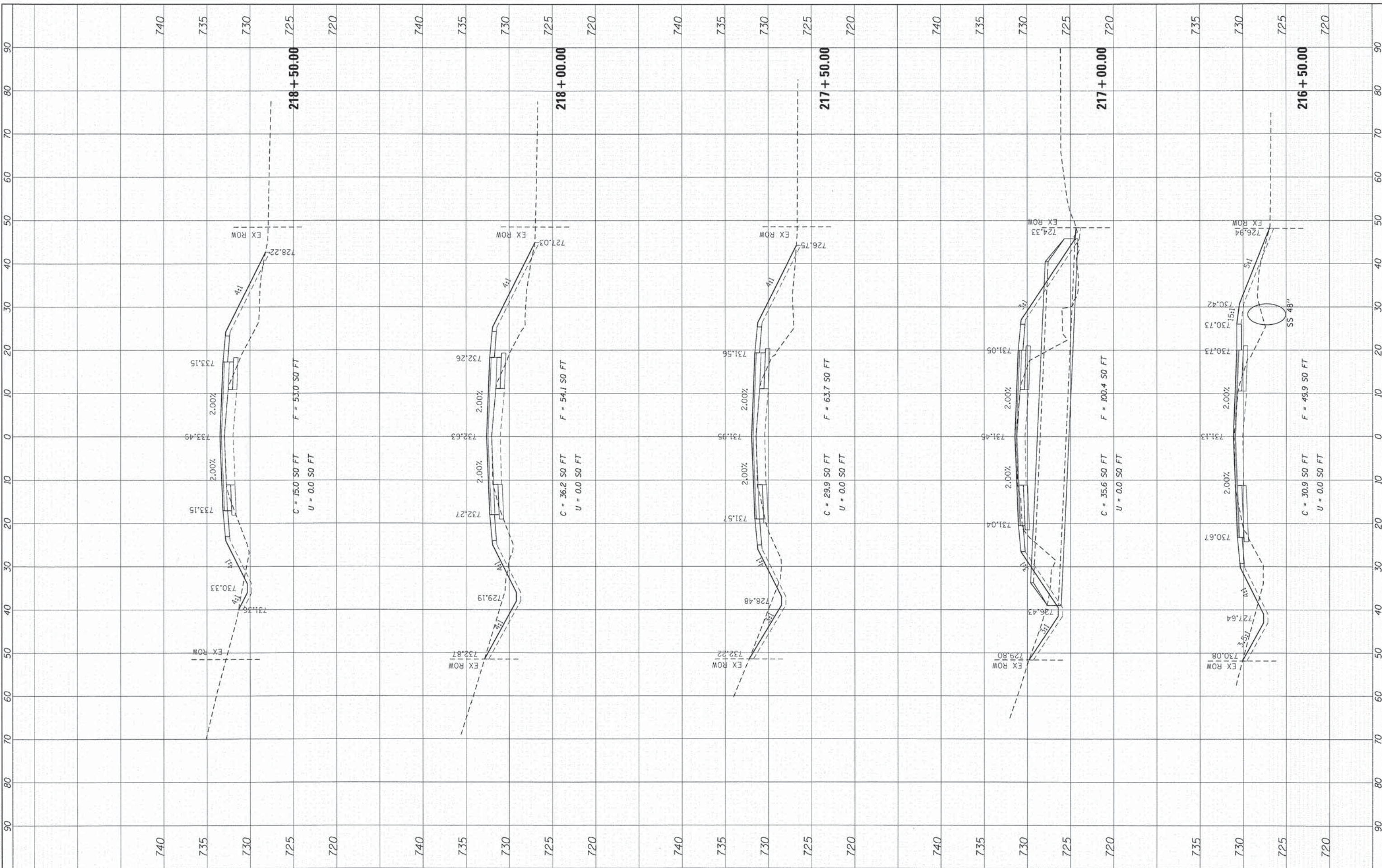
SCALE: 1"=10' SHEET 6 OF 8 SHEETS STA. 214+00.00 TO STA. 216+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	12-00014-00-CH	WILL	66	64
•	FAU 3771, FAU 3763			CONTRACT NO. 63888
ILLINOIS FED. AID PROJECT M-4003(144)				

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
 PROJECT CONTACT: 12/19/2013 12:50:01 PM
 CLIENT: 4111 Parker Rd
 FILE NAME: 4111 Parker Rd
 PLOT BROWSER: pdf2400
 PEN TABLE: 51 standard - 11/01/13



DESIGNED	-	TAY
DRAWN	-	DS
CHECKED	-	JJS
DATE	-	12/19/13

USER NAME	=	tjgilton
PLOT SCALE	=	1"=10'
PLOT DATE	=	12/19/2013

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

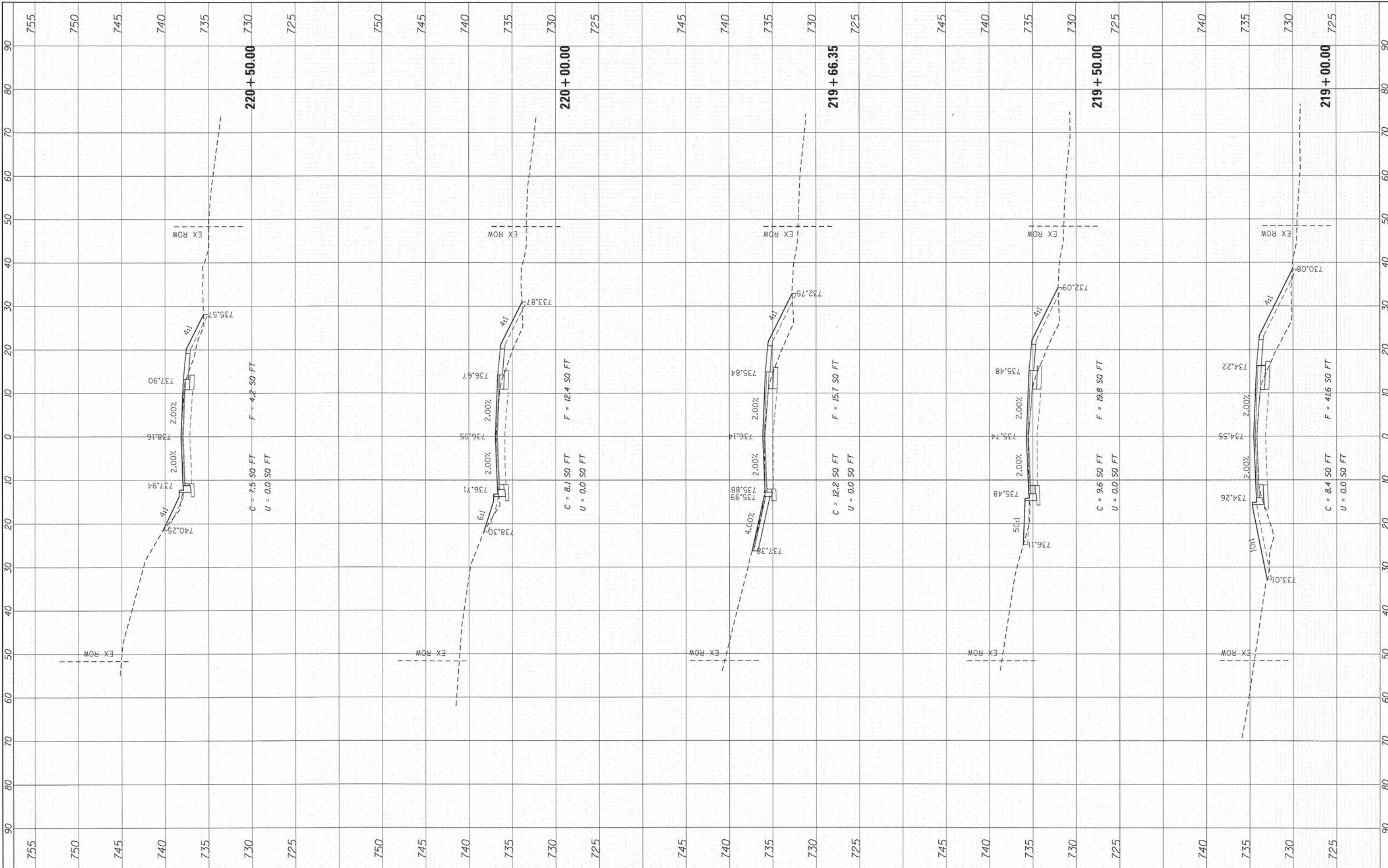
**CROSS SECTIONS
PARKER ROAD**
 SCALE: 1"=10' SHEET 7 OF 8 SHEETS STA. 216+50.00 TO STA. 218+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	12-00014-00-CH	WILL	66	65
•	FAU 3771, FAU 3763		CONTRACT NO. 63888	
			[ILLINOIS] FED. AID PROJECT M-4003(144)	

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

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

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: 12/19/2013 12:26:07 PM
 CLIENT: 411-xsec_Parker.dgn
 DATE PLOTTED: 12/19/2013
 FILE NAME: 411-xsec_Parker.dgn
 PLOT DRIVER: standard-trans.tbl
 PEN TABLE:



	USER NAME = tyeiston DESIGNED = TAY DRAWN = DS CHECKED = JJS DATE = 12/19/13	REVISED = REVISED = REVISED = REVISED =	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS PARKER ROAD	F.A. RTE. = SECTION = 12-00014-00-CH COUNTY = WILL TOTAL SHEETS = 66 SHEET NO. = 66
	PLOT SCALE = 1"=10' PLOT DATE = 12/19/2013	SCALE: 1"=10' SHEET 8 OF 8 SHEETS STA. 219+00.00 TO STA. 220+50.00			CONTRACT NO. 63888 ILLINOIS FED. AID PROJECT M-4003(144)