

GENERAL NOTES

GENERAL

- IN THE FOLLOWING, THE ILLINOIS DEPARTMENT OF TRANSPORTATION WILL BE REFERRED TO AS IDOT.
- THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" PREPARED BY IDOT, ADOPTED JANUARY 1, 2012, AND THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" PREPARED BY IDOT, ADOPTED JANUARY 1, 2015. ALL SEWER AND WATER MAIN CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", FIFTH EDITION. SIGN CONSTRUCTION AND PAVEMENT MARKINGS SHALL CONFORM TO THE REQUIREMENTS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", CURRENT EDITION.
- GENERAL SAFETY PROVISION: TO PROVIDE DRIVERS WITH SAFE TRAVEL CONDITIONS DURING THE CONSTRUCTION PROJECT, AND TO PROVIDE SAFE WORKING CONDITIONS FOR ALL EMPLOYEES, THE RULES, REGULATIONS, AND CONDITIONS STATED BELOW WILL PREVAIL FOR THE DURATION OF THIS CONTRACT. ANY EMPLOYEE OF THE CONTRACTOR OR HIS SUBCONTRACTORS WHO REFUSES TO COMPLY WITH THESE GENERAL SAFETY PROVISIONS SHALL BE REMOVED FROM THE JOB SITE IN ACCORDANCE WITH THE IDOT STANDARD SPECIFICATIONS. THE CONTRACTOR AND ANY SUBCONTRACTORS RETAINED BY HIM SHALL COMPLY WITH THE STATE AND FEDERAL REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 (OSHA), AS IT RELATES TO HIS OPERATIONS, REVISED AS OF JULY 1, 1987.
- THE CONTRACTOR WILL BE REQUIRED TO COMPLY WITH ALL STATE REGULATIONS REGARDING AIR, WATER, AND NOISE POLLUTION. HE WILL NOT BE ALLOWED TO BUILD FIRES ON THE SITE.
- WHEN ARTIFICIAL LIGHTING IS UTILIZED DURING NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC, AS WELL AS ADJOINING RESIDENTIAL AREAS.
- THE SCALE SHOWN ON THE DRAWINGS APPLIES ONLY TO THE FULL SIZE PLANS AND NOT REDUCED SIZE PLANS. DO NOT SCALE REDUCED SIZE PLANS FOR CONSTRUCTION DIMENSIONS.
- THE IDOT STANDARD DRAWINGS LISTED ON THE COVER SHEET ARE INTENDED TO BE THE LATEST REVISIONS AND SHALL TAKE PRECEDENCE OVER EARLIER DRAWINGS THAT MAY BE REFERRED TO ELSEWHERE IN THE PLANS OR SPECIAL PROVISIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING HIS CONSTRUCTION OPERATIONS WITH OTHER CONSTRUCTION, UTILITY, AND/OR MAINTENANCE OPERATIONS WITHIN OR ADJACENT TO THE PROJECT.
- WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED OR DISTURBED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS, MONUMENTS AND RIGHT-OF-WAY PINS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR, OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR RE-ESTABLISH ANY SECTION OR SUBSECTION MONUMENTS DISTURBED OR DESTROYED BY HIS OPERATIONS. REPLACEMENT OF MONUMENTS WILL BE DETERMINED BY THE ENGINEER. PROPERTY MARKERS DAMAGED BY THE CONTRACTOR SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.
- THE CONTRACTOR SHALL FIELD VERIFY THE ELEVATIONS OF THE BENCHMARKS PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL ALSO FIELD VERIFY LOCATION, ELEVATION AND SIZE OF EXISTING UTILITIES, AND VERIFY PAVEMENT ELEVATIONS WHERE MATCHING INTO EXISTING WORK. THE CONTRACTOR SHALL FIELD VERIFY HORIZONTAL CONTROL BY REFERENCING KNOWN PROPERTY LINES, OR SURVEY MARKERS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF DISCREPANCIES IN EITHER VERTICAL OR HORIZONTAL CONTROL PRIOR TO PROCEEDING WITH WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL PLAN QUANTITIES.
- THE CONTRACTOR SHALL REMOVE, STORE, AND RELOCATE TO THE SATISFACTION OF THE ENGINEER ALL EXISTING STREET NAME SIGNS WHICH ARE TO BE RELOCATED IN ACCORDANCE WITH ARTICLE 107.25 OF THE IDOT STANDARD SPECIFICATIONS. THE PLACEMENT OF ADDITIONAL SIGNING SHALL BE THE RESPONSIBILITY OF THE CITY OF ROCKFORD, OR THEIR APPROVED REPRESENTATIVES.
- ALL ITEMS SHALL INCLUDE ALL THE NECESSARY MATERIALS AND LABOR TO COMPLETE THE ITEM IN PLACE; MATERIALS AND LABOR NOT SPECIFICALLY IDENTIFIED SHALL BE CONSIDERED INCLUDED IN THE UNIT PRICE OF THE ITEM BEING CONSTRUCTED.
- ALL MATERIALS SHALL MEET OR EXCEED IDOT STANDARDS.
- THE CONTRACTOR SHALL NOTIFY THE CITY OF ROCKFORD, PROPERTY OWNERS, THE ENGINEER, AND ALL UTILITY COMPANIES AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION OR CHANGE IN CLOSURES OR DETOURS.
- ALL RADII AND DIMENSIONS ARE REFERENCED TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- NO WORK SHALL BE PERFORMED BEYOND THE PROJECT LIMITS WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE PROPERTY OWNER AND ENGINEER.

GENERAL, CONT.

- THE ENGINEER SHALL BE RESPONSIBLE FOR SETTING AND STAKING ALL GRADES AS INDICATED IN THE PLANS. ANY DEVIATION FROM PLANS AND GRADES SHALL BE COORDINATED WITH THE ENGINEER. DEVIATIONS MADE WITHOUT THE APPROVAL OF THE ENGINEER WILL NOT BE ACCEPTED FOR PAYMENT UNTIL THE CONTRACTOR HAS CORRECTED THE ISSUE TO THE SATISFACTION OF THE ENGINEER.
CONSTRUCTION STAKES AND/OR PAINT WILL BE SET BY THE ENGINEER TO MARK THE GENERAL LOCATION, ALIGNMENT, ELEVATION AND GRADE OF THE WORK. THE CONTRACTOR SHALL EXERCISE PROPER CARE IN THE PRESERVATION OF STAKES AND/OR PAINT SET FOR HIS USE OR THE USE OF THE ENGINEER. THE CONTRACTOR SHALL PAY THE COST OF REPLACING STAKES AND/OR PAINT DAMAGED BY HIS OPERATIONS OR HIS SUBCONTRACTORS OPERATIONS.

TRAFFIC CONTROL

- THE CONTRACTOR SHALL AT ALL TIMES PROVIDE PROTECTION FOR THE TRAFFIC AS DIRECTED BY THE ENGINEER AND IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
- ACCESS MUST BE MAINTAINED TO ALL EXISTING PROPERTIES DURING CONSTRUCTION PER ARTICLE 107.09 UNLESS ARRANGEMENTS ARE MADE IN WRITING BY THE CONTRACTOR WITH THE PROPERTY OWNER FOR SHORT-TERM CLOSURES. A COPY OF SAID ARRANGEMENT MUST BE GIVEN TO THE ENGINEER.
- THE CONTRACTOR IS ADVISED THAT IN THE EVENT OF SNOW, HE WILL ADJUST ANY TRAFFIC CONTROL AND PROTECTION/MAINTENANCE OF TRAFFIC DEVICES REQUIRED FOR HIS OPERATIONS THAT WOULD INTERFERE WITH SNOW REMOVAL OPERATIONS BUT SHALL CONTINUE TO PROVIDE PROTECTION FOR TRAFFIC.
- ANY DROP-OFF GREATER THAN 1-1/2 INCHES ADJACENT TO THE EDGE OF PAVEMENT SHALL BE PROTECTED WITH BARRICADES, AND SHALL BE INCLUDED IN THE UNIT PRICE FOR TRAFFIC CONTROL AND PROTECTION, SPECIAL.
- ALL TRAFFIC CONTROL DEVICES USED FOR THE MAINTENANCE OF TRAFFIC SHALL BE REFLECTORIZED PRIOR TO INSTALLATION AND CLEANED AS NECESSARY THROUGHOUT THE DURATION OF THE CONTRACT. ALL SIGNS SHALL BE FURNISHED, INSTALLED AND MAINTAINED BY THE CONTRACTOR. PAYMENT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR TRAFFIC CONTROL AND PROTECTION, SPECIAL.
- TRAFFIC CONDITIONS, ACCIDENTS, AND OTHER UNFORESEEN CONDITIONS MAY REQUIRE THE ENGINEER TO MODIFY THE LOCATION OF THE TRAFFIC CONTROL DEVICES. THE CONTRACTOR SHALL MAKE THE NECESSARY ADJUSTMENTS AS DIRECTED BY THE ENGINEER WITHOUT DELAY. THE CONTRACTOR SHALL RESPOND WITHIN 30 MINUTES FROM THE TIME OF NOTIFICATION BY THE ENGINEER TO ANY REQUEST MADE BY THE ENGINEER FOR CORRECTION, IMPROVEMENT OR MODIFICATION OF THE MAINTENANCE OF TRAFFIC CONTROL DEVICES.
- THE CONTRACTOR SHALL SUPPLY THE ENGINEER WITH A PRIMARY AND ALTERNATE CONTACT PERSON WITH 24-HOUR, 7-DAY ACCESS WHO CAN REMEDY DEFICIENT OR EMERGENCY TRAFFIC CONTROL MEASURES. THE CONTRACTOR SHALL INSPECT THE TRAFFIC CONTROL DEVICES NOT LESS THAN TWICE DAILY TO ENSURE THAT ALL BARRELS, BARRICADES, AND WARNING DEVICES ARE IN THEIR PROPER PLACE AND OPERATIONAL.
- DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PROTECT ADJACENT TRAFFIC LANES OPEN TO TRAFFIC FROM DEBRIS BEING BLOWN OR OTHERWISE REMOVED FROM THE CONSTRUCTION AREAS. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR KEEPING DEBRIS OFF THE ADJACENT TRAVELED LANE SURFACE.
- SIDEWALK CLOSURES SHALL BE LIMITED TO ONE CORNER PER INTERSECTION AT ANY GIVEN TIME. THE CORNER SHALL BE COMPLETED, INCLUDING GRADING, BEFORE STARTING WORK AT A NEW LOCATION.
- CHANGEABLE MESSAGE SIGNS SHALL BE ERECTED ON ROCKTON ROAD, BEGINNING THE DAY THE TRAFFIC SIGNAL PHASING IS CHANGED, FOR A DURATION OF TWO (2) WEEKS.

TOPSOIL & SEEDING

- THE CONTRACTOR SHALL RESTORE THE EXISTING GROUND COVER AND/OR TOPSOIL, WITHIN THE LIMITS OF CONSTRUCTION, AS SHOWN IN THE PLANS, PER THE PARKWAY RESTORATION SPECIAL PROVISION.
- ANY EXISTING GROUND COVER AND/OR TOPSOIL, OUTSIDE THE LIMITS OF CONSTRUCTION, AS SHOWN IN THE PLANS, DAMAGED BY THE CONTRACTOR OPERATIONS, SHALL BE RESTORED PER THE PARKWAY RESTORATION SPECIAL PROVISIONS, WITH NO ADDITIONAL COST TO THE OWNER.
- MODIFY SECTION 250.07 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION TO INCLUDE THE CONTRACTOR GUARANTEE A 75 PERCENT UNIFORM GROWTH OVER THE ENTIRE SEEDED AREA(S) AFTER ONE GROWING SEASON, WITH NO EXCEPTION TO THE TIMING OF THE SEEDING. AFTER ONE GROWING SEASON, AREAS NOT SUSTAINING A 75 PERCENT UNIFORM GROWTH SHALL BE INTERSEEDED OR RESEEDED, AS DETERMINED BY THE ENGINEER, AT NO ADDITIONAL COST TO THE CONTRACT.

REMOVAL / EXCAVATION / EARTHWORK

- EXISTING STRUCTURES (INCLUDING FOUNDATIONS, WALLS, CISTERNS, OR OTHER UNDERGROUND STRUCTURES) WITHIN THE RIGHT OF WAY SHALL BE REMOVED IN ACCORDANCE WITH SECTION 501 OF THE STANDARD SPECIFICATIONS, AND SHALL BE PAID FOR IN ACCORDANCE WITH SECTION 109.04 OF THE STANDARD SPECIFICATIONS, UNLESS OTHERWISE NOTED IN THE PLANS OR SPECIAL PROVISIONS.
- ALL ROADWAY REMOVAL ITEMS SHALL CONFORM TO SECTION 202 AND 440 OF THE IDOT STANDARD SPECIFICATIONS. ALL JOINTS BETWEEN THE PORTION REMOVED AND THAT LEFT IN PLACE SHALL BE SAWCUT TO SUCH A DEPTH THAT A CLEAN, NEAT EDGE WILL RESULT WITH NO SPALLING TO THE REMAINING PORTION. THE COST OF SAW CUTTING SHALL BE INCLUDED IN THE UNIT PRICE OF THE ITEM BEING REMOVED. ADDITIONAL SAW CUTTING MAY BE REQUIRED AS DIRECTED BY THE ENGINEER AT NO ADDITIONAL COST TO THE OWNER.
- EXCAVATION SHOULD BE KEPT TO A MINIMUM AND THE CONTRACTOR SHALL MAKE EVERY EFFORT TO RE-USE ALL EXCAVATED MATERIAL ON-SITE FOR TRENCH BACKFILL, PARKWAY RESTORATION OR ANY OTHER USES WITHIN THE SCOPE OF THE CONTRACT PLANS AND SPECIFICATIONS. RE-USE OF MATERIAL FOR ANY REASON SHALL BE APPROVED BY THE OWNER PRIOR TO PLACEMENT OF MATERIAL AT THE JOBSITE.
- THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ANY AND ALL EXISTING ITEMS WHICH ARE NOT INDICATED TO BE REMOVED. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED AT NO ADDITIONAL COST TO THE OWNER.
- CLEARING SHALL BE DONE IN ACCORDANCE WITH SECTION 201 OF THE STANDARD SPECIFICATIONS AND SHALL NOT BE MEASURED FOR PAYMENT.

ROADWAY ITEMS

- PROTECTIVE COAT SHALL BE APPLIED TO ALL CONCRETE SURFACES AND APPURTENANCES PER ARTICLE 420.18 OF THE IDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION". THE COST OF THE PROTECTIVE COAT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE TO WHICH IT IS APPLIED.
- PREFORMED FIBER EXPANSION JOINTS WHERE REQUIRED SHALL BE INCLUDED IN THE CONTRACT UNIT BID PRICE FOR WHICH IT IS APPLIED (CURB & GUTTER, DRIVEWAYS, ETC.)
- PREVIOUSLY PUGMILLED STOCKPILES OF "TYPE A" AGGREGATE OLDER THAN 1 MONTH WILL NOT BE APPROVED FOR USE UNTIL A MOISTURE CHECK IS RUN TO VERIFY MOISTURE CONTENT. MATERIAL SHIPPED TO PROJECTS WITHOUT BEING TESTED WILL NOT BE ACCEPTED.
- AGGREGATE BASE COURSE TYPE B, SHALL BE USED FOR TEMPORARY ACCESS TO ENTRANCES AND ALLEYS WHILE THE PROPOSED PAVEMENT IS UNDER CONSTRUCTION AND SHALL BE USED AS DIRECTED BY THE ENGINEER. THIS AGGREGATE SHALL NOT BE REUSED WITH THE AGGREGATE BASE COURSE BUT IS INCLUDED IN THE CONTRACT UNIT BID PRICE FOR AGGREGATE BASE COURSE TYPE B 4".

UTILITY CONTACTS

GAS:

NICOR
MS. CONSTANCE LANE - UTILITY COORDINATOR
1844 FERRY ROAD
NAPERVILLE, ILLINOIS 60563-9800
(630) 388-3830

ELECTRIC:

COMED
MS. NORA FERNANDEZ
123 ENERGY AVENUE
ROCKFORD, ILLINOIS 61108
(815) 490-2335

TELEPHONE:

AT&T LOCAL
MR. DAVID SAINT-GERMAIN
2404 8TH AVENUE
ROCKFORD, ILLINOIS 61108
(815) 394-7297

CABLE TELEVISION:

COMCAST
MS. DONNA ZIES
4450 KISHWAUKEE STREET
ROCKFORD, ILLINOIS 61109
(815) 509-8653

SANITARY SEWER:

ROCK RIVER WATER RECLAMATION DISTRICT
MR. DANA CARROLL, P.E.
P.O. BOX 7480
3501 KISHWAUKEE STREET
ROCKFORD, ILLINOIS 61126
(815) 387-7660

WATER:

CITY OF ROCKFORD - WATER DEPARTMENT
MR. GREG CASSARO
425 EAST STATE STREET
ROCKFORD, ILLINOIS 61104
(815) 987-5570

DISPOSAL SERVICES:

ROCK RIVER DISPOSAL
MR. ROCCO GUGLIEMETTI
4002 SOUTH MAIN STREET
ROCKFORD, ILLINOIS 61102
(815) 985-2489

ROADWAY - TRANSPORTATION:

CITY OF ROCKFORD - PUBLIC WORKS
MR. JEREMY CARTER, P.E.
425 EAST STATE STREET
ROCKFORD, ILLINOIS 61104
(815) 987-5570

UTILITIES

- ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION OR HAVE THE POTENTIAL FOR CREATING FUTURE PROBLEMS SHALL BE REMOVED AND DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY AT AN APPROVED LOCATION OBTAINED BY THE CONTRACTOR, ACCORDING TO ARTICLE 202.03 OF THE IDOT STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT BID PRICE FOR EARTH EXCAVATION. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- UTILITIES SHOWN ON THE PLANS ARE FOR ILLUSTRATIVE PURPOSES ONLY AND NO GUARANTEE OF THEIR ACCURACY IS MADE OR INFERRED. THE LOCATIONS OF EXISTING UTILITIES AS SHOWN ON THE DRAWINGS REPRESENT DATA RECEIVED FROM VARIOUS SOURCES. IT IS NOT GUARANTEED TO BE CORRECT OR ALL-INCLUSIVE. THE CONTRACTOR SHALL CONDUCT HIS OWN INVESTIGATION INTO THE LOCATION, SIZE, DEPTH, NUMBER AND NATURE OF ANY AND ALL EXISTING UTILITIES WHICH MAY INTERFERE WITH THE WORK UNDER THIS CONTRACT. ANY EXISTING UTILITIES WHICH ARE TO REMAIN IN SERVICE SHALL BE FULLY PROTECTED BY THE CONTRACTOR AND ANY DAMAGE CAUSED BY THE CONSTRUCTION OPERATIONS SHALL BE IMMEDIATELY REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER OR THE OWNER. THIS WORK SHALL BE AT THE CONTRACTORS EXPENSE.
- THE CONTRACTOR SHALL CALL J.U.L.I.E. AT 811 OR 1-800-892-0123 48 HOURS PRIOR TO CONSTRUCTION FOR CONFIRMATION OF CURRENT UTILITY LOCATIONS AND FOR ALL NON-EMERGENCY WORK. UTILITIES WHICH ARE NOT MEMBERS OF J.U.L.I.E. SHOULD BE NOTIFIED INDIVIDUALLY BY THE CONTRACTOR.
- ALL EXISTING CONDUITS WHICH WILL BE ABANDONED AND LEFT IN PLACE SHALL BE PLUGGED AT ALL OPEN ENDS WITH CONCRETE OR OTHER APPROVED MEANS. THE COST WILL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT BID PRICE FOR THE ITEM BEING REMOVED OR ABANDONED.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN DRAINAGE FLOWS AT ALL TIMES DURING THE PERFORMANCE OF THE WORK. METHODS USED BY THE CONTRACTOR SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER. COST OF MAINTAINING DRAINAGE FLOWS SHALL BE INCLUDED IN THE VARIOUS UNIT PRICES FOR THE ITEMS BEING CONSTRUCTED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- STATIONS AND OFFSETS FOR DRAINAGE STRUCTURES ARE TO THE CENTER OF THE STRUCTURE'S FRAME.
- NEW MANHOLE AND INLET LIDS ON THIS PROJECT SHALL HAVE THE WORDS "STORM" OR "SANITARY" ON THE LID. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE APPROPRIATE TYPE OF LID. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THIS WORK.
- IF DURING MANHOLE ADJUSTMENTS, THE CONTRACTOR DAMAGES EITHER THE FRAME OR LID, HE SHALL FURNISH A NEW FRAME AND LID, AT NO ADDITIONAL COST. ALL NEW MANHOLES AND INLETS AND THOSE TO BE RECONSTRUCTED SHALL BE CONSTRUCTED WITH NEW FRAMES AND GRATES.
- IF DURING INLET ADJUSTMENTS, THE CONTRACTOR DAMAGES EITHER THE FRAME, CURB BOX OR GRATE, HE SHALL FURNISH A NEW FRAME, GRATE AND CURB BOX, AT NO ADDITIONAL COST.
- IF THE SANITARY MANHOLE CASTING BEING ADJUSTED DOES NOT MEET ROCK RIVER WATER RECLAMATION DISTRICT STANDARDS, THE DISTRICT SUPPORTING SERVICES DEPARTMENT SHOULD BE CONTACTED PRIOR TO THE ADJUSTMENT. THE CONTRACTOR SHALL COORDINATE WITH THE DISTRICT REGARDING THE DELIVERY OF THE REPLACEMENT CASTING.
- ALL SANITARY SEWER MANHOLES ARE TO BE ADJUSTED PER RRWRD STANDARDS. SANITARY MANHOLE ADJUSTMENT BY GROUTING IS NOT PERMITTED. THE CONTRACTOR SHALL ADVISE THE DISTRICT WHEN MANHOLE ADJUSTMENTS ARE TO BE MADE, SO THE DISTRICT MAY WITNESS THEM. THE METHOD AND AMOUNT OF ADJUSTMENT SHOULD BE NOTED ON THE PLANS. DISTRICT SPECIFICATIONS REQUIRE:
 - A MINIMUM OF 4" OF ADJUSTING RINGS (4" ADJUSTMENT RING NOT REQUIRED IN TURF AREA OR CURB AND GUTTER ROADWAYS)
 - MAXIMUM OF 12" ADJUSTING RINGS.
 - NO MORE THAN ONE (1) 2" ADJUSTING RING PER MANHOLE.
 - A MAXIMUM OF 30" FROM THE TOP OF CASTING TO THE FIRST STEP.

H:\11-010\11010\DESIGN\DRAWINGS\11-010-010-General Notes.dwg NOTES: 1/21/2015 3:40:07 PM

SHEET REVIEW	
AGENCY	DATE

REVISIONS		
NO.	ITEM	DATE

PLOT SCALE:	1:1
PLOT DATE:	1/21/2015
DRAWN BY:	KRL
CHECKED BY:	POS
SUBMITAL DATE:	01/23/2015

McClure
Engineering Associates, Inc.
7252 Arroyo Drive
Rockford, Illinois 61107-2837
(815) 398-2312 FAX (815) 398-2486
Design Firm License: Illinois 184-000816
Copyright 2012 By McClure Engineering Associates, Inc.

GENERAL NOTES	
HSIP INTERSECTION IMPROVEMENTS	
N ROCKTON AVE AT CUSTER AVE	ROCKFORD ILLINOIS
FILE H:11-010\HSIP DESIGN\DESIGN\DRAWINGS\11-010-010-GENERAL NOTES.DWG	MEAL JOB 04-28-11-010

SHEET NO.	2
OF	20

85545


SUMMARY OF QUANTITIES

SP	CODE NO.	PAY ITEM	UNIT	ROCKTON & CUSTER		TOTAL
				Q004	Q021	
	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	30		30
	20200100	EARTH EXCAVATION	CU YD	162		162
	28000400	PERIMETER EROSION BARRIER	FOOT	92		92
	28000500	INLET AND PIPE PROTECTION	EACH	1		1
	35101100	AGGREGATE BASE COURSE, TYPE A 12"	SQ YD	158		158
	35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	59		59
	40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	2,941		2,941
	40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	17		17
	40600990	TEMPORARY RAMP	SY	30		30
	40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	83		83
	40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	172		172
	42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	32		32
	42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	27		27
	42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	1,868		1,868
	42400800	DETECTABLE WARNINGS	SQ FT	62		62
	44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	2,044		2,044
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	52		52
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	468		468
	44000600	SIDEWALK REMOVAL	SQ FT	1,795		1,795
	44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	415		415
	56109210	WATER VALVES TO BE ADJUSTED	EACH	1		1
	60255800	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1		1
	60265700	VALVE VAULTS TO BE ADJUSTED	EACH	1		1
	60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	430		430
	67100100	MOBILIZATION	L SUM	1		1
	70106800	CHANGEABLE MESSAGE SIGN	CAL MO	1		1
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	1,481		1,481
	70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	744		744
	72000100	SIGN PANEL - TYPE 1	SQ FT		6	6
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	63.2		63.2
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	606		606
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	396		396
*	78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	121		121
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	384		384
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	87		87
	80400100	ELECTRIC SERVICE INSTALLATION	EACH		1	1
	81028360	UNDERGROUND CONDUIT, PVC, 2 1/2" DIA.	FOOT		99	99
	81028390	UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT		14	14
	81028750	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT		29	29
	81028790	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 4" DIA.	FOOT		192	192
	81400100	HANDHOLE	EACH		3	3
	81400300	DOUBLE HANDHOLE	EACH		1	1

SP	CODE NO.	PAY ITEM	UNIT	ROCKTON & CUSTER		TOTAL
				Q004	Q021	
	81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT		922	922
	85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH		1	1
	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT		1,631	1,631
	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT		1,041	1,041
	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT		1,184	1,184
	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT		606	606
	87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT		32	32
	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT		580	580
	87502460	TRAFFIC SIGNAL POST, GALVANIZED STEEL 12 FT.	EACH		2	2
	87502480	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH		2	2
	87700240	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH		1	1
	87702860	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 26 FT.	EACH		1	1
	87702870	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 28 FT.	EACH		1	1
	87702930	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 40 FT.	EACH		1	1
	87800100	CONCRETE FOUNDATION, TYPE A	FOOT		12.3	12.3
	87800200	CONCRETE FOUNDATION, TYPE D	FOOT		3.5	3.5
	87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT		20	20
	87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT		26	26
	88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH		4	4
	88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH		4	4
	88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH		2	2
	88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH		2	2
	88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH		8	8
	88200100	TRAFFIC SIGNAL BACKPLATE	EACH		6	6
	88800100	PEDESTRIAN PUSH-BUTTON	EACH		8	8
	89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH		1	1
	89502380	REMOVE EXISTING HANDHOLE	EACH		1	1
	89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH		5	5
	X0325476	RADAR VEHICLE DETECTION SYSTEM	EACH		1	1
	X6024240	INLETS, SPECIAL	EACH	1		1
	X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	2		2
	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1		1
	X8210677	LUMINAIRE, METAL HALIDE HORIZONTAL MOUNT 400 WATT, SPECIAL	EACH		3	3
	X8950105	REMOVE EXISTING TRAFFIC CONTROLLER AND CABINET	EACH		1	1
	X8950305	REMOVE EXISTING SIGNAL HEAD	EACH		12	12
	X8950307	REMOVE EXISTING PEDESTRIAN SIGNAL HEAD	EACH		8	8
	XX000970	PARKWAY RESTORATION	L SUM	1		1
	XX003163	EMERGENCY VEHICLE PRIORITY SYSTEM	EACH		1	1
	XX003167	STREET NAME SIGN MAST ARM MOUNTED (INSTALL ONLY)	EACH		4	4
	XX007325	REMOVE EXISTING TRAFFIC SIGNAL POST	EACH		4	4

* SPECIAL ITEM

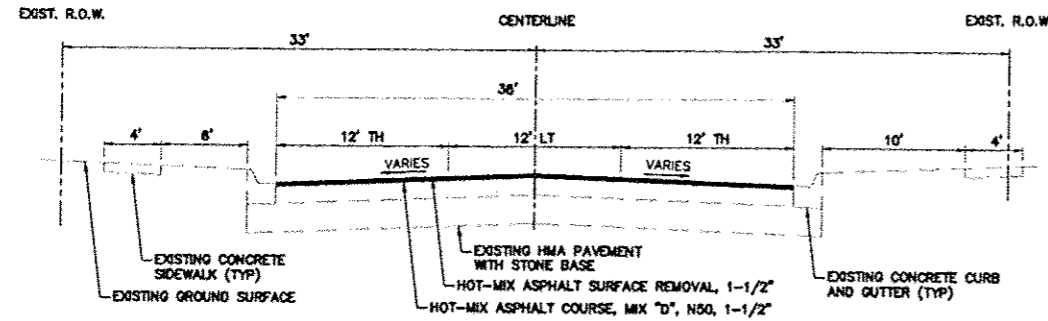
K:\11-010 HSP Design\DESIGN\DRAWINGS\11-010 Summary.dwg, SUMMARY, 3/3/2015 3:37:43 PM

<table border="1" style="width:100%; border-collapse: collapse;"> <tr><th colspan="2">SHEET REVIEW</th></tr> <tr><td>AGENCY</td><td>DATE</td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>	SHEET REVIEW		AGENCY	DATE					<table border="1" style="width:100%; border-collapse: collapse;"> <tr><th colspan="3">REVISIONS</th></tr> <tr><th>NO.</th><th>ITEM</th><th>DATE</th></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table>	REVISIONS			NO.	ITEM	DATE							<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>PLOT SCALE:</td><td>1:1</td></tr> <tr><td>PLOT DATE:</td><td>3/3/2015</td></tr> <tr><td>DRAWN BY:</td><td>KRL</td></tr> <tr><td>CHECKED BY:</td><td>PDS</td></tr> <tr><td>SUBMITAL DATE:</td><td>01/23/2015</td></tr> </table>	PLOT SCALE:	1:1	PLOT DATE:	3/3/2015	DRAWN BY:	KRL	CHECKED BY:	PDS	SUBMITAL DATE:	01/23/2015	 <p>McClure Engineering Associates, Inc. Rockford, Illinois 61107-2637 (815) 398-2337 FAX (815) 398-2496 Design Firm License: Illinois 184-000816 Copyright 2012 By McClure Engineering Associates, Inc.</p>	<p>SUMMARY OF QUANTITIES HSIP INTERSECTION IMPROVEMENTS</p> <p>N. ROCKTON AVE. AT CUSTER AVE. ROCKFORD ILLINOIS</p> <p>FILE:H:\11-010 HSP DESIGN\DESIGN\DRAWINGS\11-010 SUMMARY.DWG MEAT JOB:04-28-II-010</p>	<p>SHEET NO. 3 OF 20</p>
SHEET REVIEW																																			
AGENCY	DATE																																		
REVISIONS																																			
NO.	ITEM	DATE																																	
PLOT SCALE:	1:1																																		
PLOT DATE:	3/3/2015																																		
DRAWN BY:	KRL																																		
CHECKED BY:	PDS																																		
SUBMITAL DATE:	01/23/2015																																		

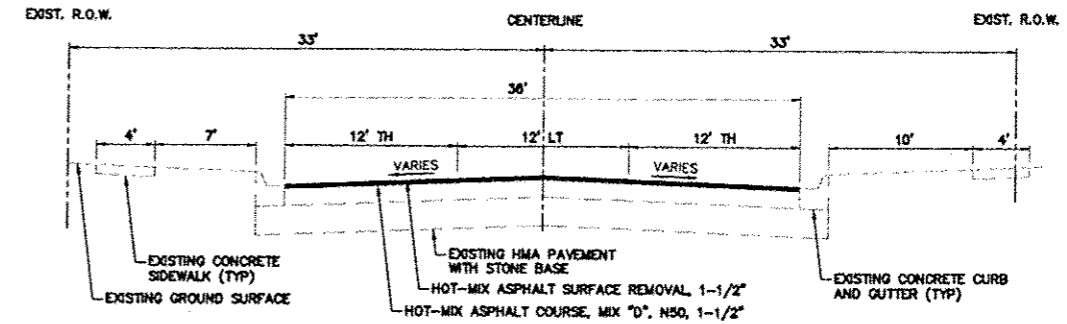
TYPICAL SECTIONS

PROPOSED TYPICAL SECTIONS N. ROCKTON AVENUE / CUSTER AVENUE - MILLING & RESURFACING

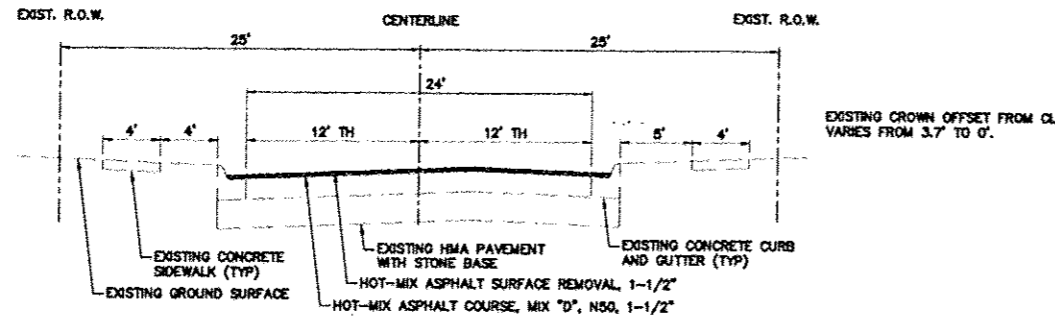
N. ROCKTON AVENUE - SOUTH LEG
STATION 21+25.83 - 22+00.24



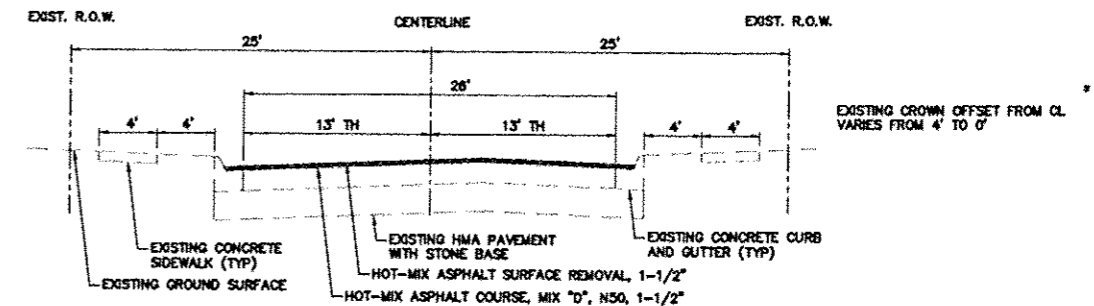
N. ROCKTON AVENUE - NORTH LEG
STATION 22+25.88 - 23+07.23



CUSTER AVENUE - WEST LEG
STATION 108+50.00 - 109+91.13



CUSTER AVENUE - EAST LEG
STATION 110+28.06 - 111+69.66



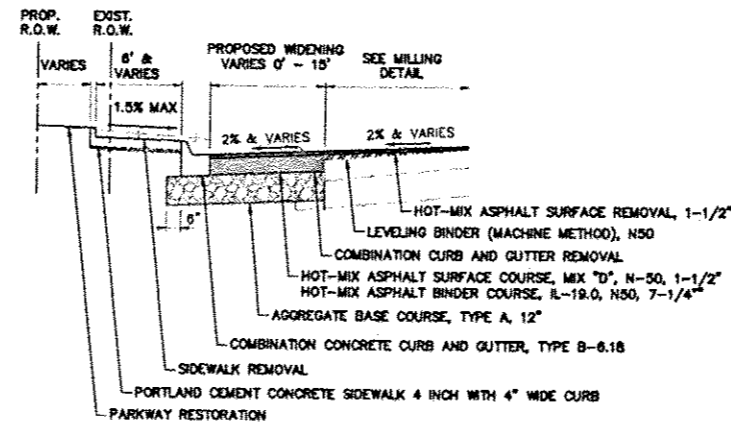
PROPOSED TYPICAL SECTIONS N. ROCKTON AVENUE / CUSTER AVENUE PAVEMENT WIDENING AND SIDEWALK CONSTRUCTION

BITUMINOUS BINDER PLACEMENT NOTES:

1. THE CONTRACTOR SHALL INSTALL THE BINDER COURSE TO THE SAME ELEVATION AS THE FINAL SURFACE. THIS ADDITIONAL 1-1/2" OF MATERIAL WILL BE PAID FOR AS HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50.
2. THIS ADDITIONAL BINDER COURSE MATERIAL WILL THEN BE REMOVED PRIOR TO THE PLACEMENT OF THE FINAL SURFACE, ALONG WITH THE EXISTING SURFACE AND WILL BE PAID FOR AS HOT-MIX ASPHALT SURFACE REMOVAL 1-1/2".

NOTES:

1. STONE SHOWN UNDER THE CURB SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CURB.
2. STONE SHOWN UNDER THE SIDEWALK SHALL BE AGGREGATE BASE COURSE TYPE B, 2" WHICH SHALL BE INCLUDED IN THE COST OF THE SIDEWALK.
3. SEE ROADWAY PLANS FOR LOCATIONS OF PROPOSED CURB AND GUTTER.
4. LEVELING BINDER SHALL BE INSTALLED ON CUSTER FROM 109+00.00 - 109+54.89 AND 110+50.00 - 110+64.27



STRUCTURAL DESIGN INFORMATION - FLEXIBLE PAVEMENT

N. ROCKTON AVENUE STA. 107+90.42 - 111+69.66	CUSTER AVENUE STA. 21+25.83 - 23+07.23
N. ROCKTON AVENUE & CUSTER AVENUE - CLASS II ROAD AND STREET	
WILL USE N. ROCKTON AVENUE TRAFFIC AS IT HAS THE HIGHER VOLUMES	
STRUCTURAL DESIGN TRAFFIC: PV= 12,569	YEAR: 2025 SU= 128 MU= 128
PERCENT OF STRUCTURAL TRAFFIC IN DESIGN LANE: P= 98% SU= 1% MU= 1%	
TRAFFIC FACTOR: ACTUAL TF= 0.63 MINIMUM TF=0.25	
AC TYPE=20	AC MIXTURE TEMPERATURE=78.5'
AC MIXTURE MODULUS= 625 KSI	DESIGN STRAIN= 121 MICROSTRAIN
PG GRADE: BINDER= PG 64-22	SURFACE= PG 64-28
DESIGN AIR VOIDS: 4.0 @ N50 (BINDER & SURFACE)	
FULL DEPTH FLEXIBLE PAVEMENT THICKNESS= 20.75"	
AGGREGATE=12" AGGREGATE BASE COURSE TYPE A	
BINDER= 7.25" HOT-MIX ASPHALT BINDER COURSE IL-19.0, N50	
SURFACE= 1.5" HOT-MIX ASPHALT SURFACE COURSE MIX "D", N50	
WEIGHT OF MATERIAL: SURFACE COURSE = 115 LBS/IN^2 SY BINDER COURSE = 112 LBS/IN^2 SY	
SUB GRADE SUPPORT RATING: POOR	

M:\11-010 HSP Design\DESIGN\DRAWINGS\11-010 General Notes.dwg TYPICAL SECTIONS 3/2/2015 3:43:39 PM

SHEET REVIEW	
AGENCY	DATE

REVISIONS		
NO.	ITEM	DATE

PLOT SCALE:	1:1
PLOT DATE:	3/2/2015
DRAWN BY:	KRL
CHECKED BY:	PDS
SUBMITTAL DATE:	01/23/2015

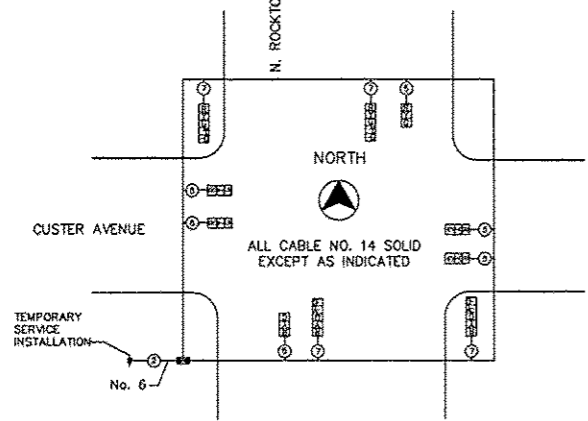
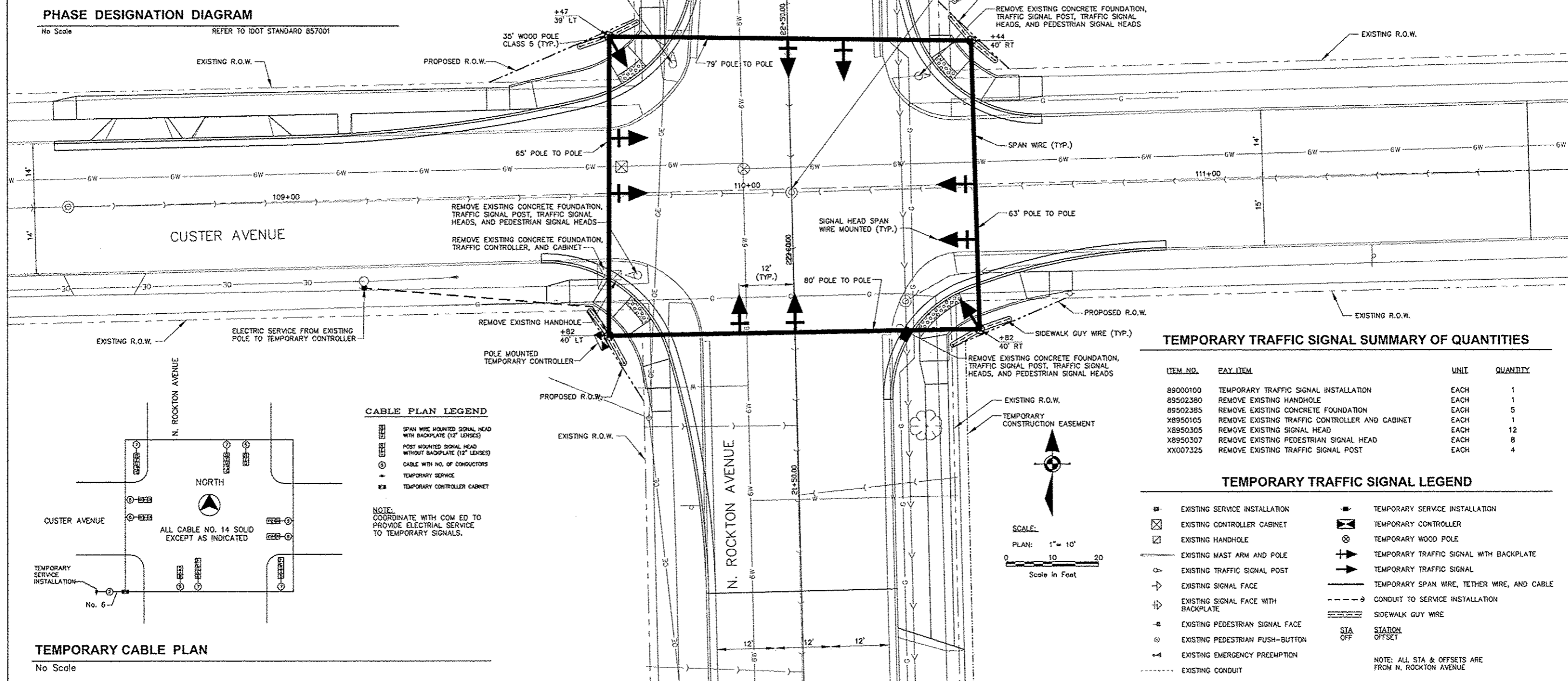
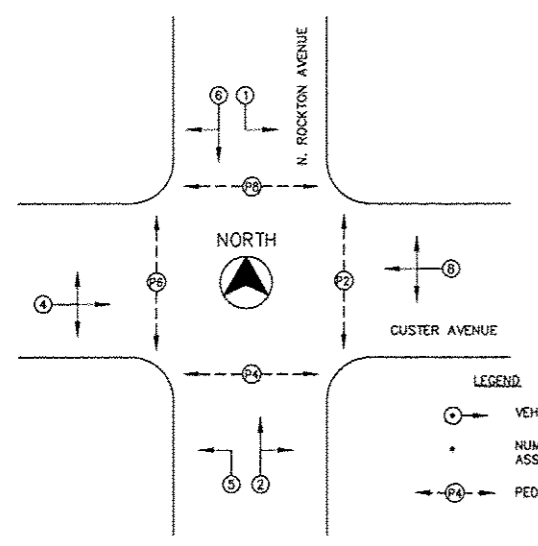
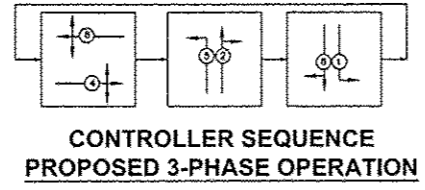
McClure
Engineering Associates, Inc.
7282 Argus Drive Rockford, Illinois 61107-5337
(815) 398-2332 FAX (815) 398-2496
Design Firm License: Illinois 184-000816
Copyright 2012 By McClure Engineering Associates, Inc.

TYPICAL SECTIONS
HSIP INTERSECTION IMPROVEMENTS
N. ROCKTON AVE. AT CUSTER AVE
ROCKFORD ILLINOIS
HEAL JOB: 04-28-11-010
FILE: M:\11-010 HSP DESIGN\DESIGN\DRAWINGS\11-010 GENERAL NOTES.DWG

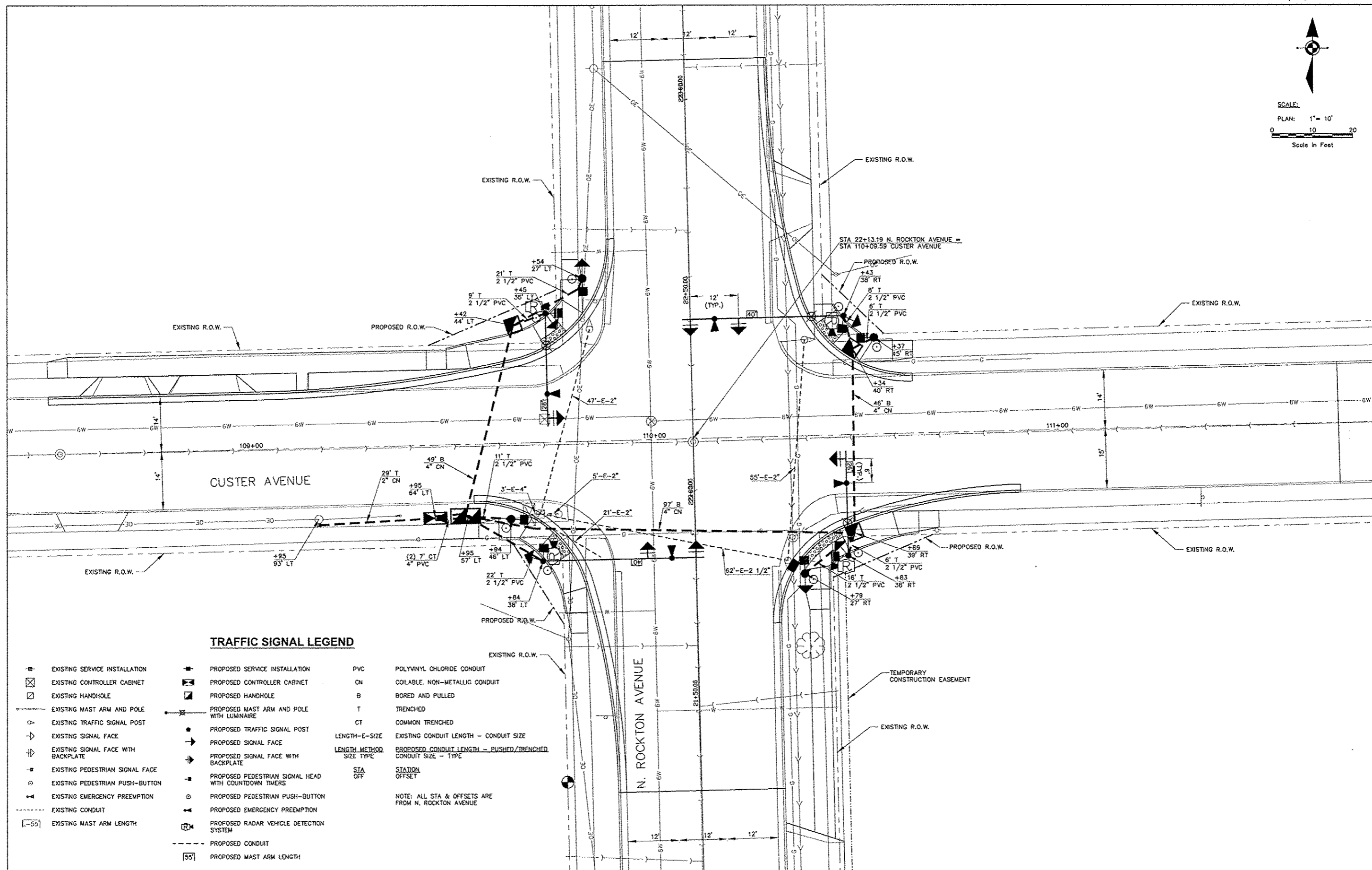
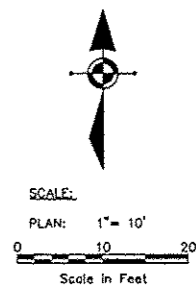
SHEET NO.	4
OF	20

GENERAL NOTES FOR TEMPORARY TRAFFIC SIGNALS

1. THE CONTRACTOR WILL SUPPLY AND INSTALL ALL TEMPORARY TRAFFIC EQUIPMENT PRIOR TO REMOVING EXISTING SIGNALS. THE TEMPORARY TRAFFIC SIGNAL INSTALLATION SHALL CONFORM WITH SECTION 850 OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION". ALL LABOR AND MATERIAL REQUIRED TO COMPLY WITH THESE REQUIREMENTS SHALL BE CONSIDERED INCLUDED IN THE BID PRICE OF TEMPORARY TRAFFIC SIGNAL INSTALLATION.
2. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE COORDINATION OF THE ELECTRICAL SERVICE TO THE TEMPORARY SIGNALS WITH ComEd AND WILL PROVIDE THE ELECTRICAL CABLE NECESSARY TO FEED THE CONTROLLER.
3. THE CONTROLLER USED FOR THE TEMPORARY TRAFFIC SIGNAL INSTALLATION SHALL MEET OR EXCEED THE REQUIREMENTS OF SECTION 857 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" WITH REGARDS TO INTERNAL TIME BASE COORDINATION AND PREEMPTION. THIS TEMPORARY CONTROLLER SHALL BE A FULLY ACTUATED NEMA MICROPROCESSOR BASED INSTALLED IN CABINET WITH 8 PHASE BACK PANEL CAPABLE OF SUPPLYING 255 SECONDS OF CYCLE LENGTH AND INDIVIDUAL PHASE LENGTH SETTINGS UP TO 99 SECONDS. THE CONTROLLER SHALL BE PROGRAMMED AS DIRECTED BY THE ENGINEER.
4. ALL TRAFFIC SIGNAL SECTIONS SHALL BE 12 INCHES IN DIAMETER. THE TEMPORARY TRAFFIC SIGNAL HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. EACH TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE THE HEADS TO ANY POSITION ON THE SPAN WIRE AT THE DIRECTION OF THE ENGINEER.



K11-010 VSP Design\DESIGN\DRAWINGS\11-010 SigPlan-Rockton.dwg TempPlotter 1/21/2015 5:38:20 PM



TRAFFIC SIGNAL LEGEND

- | | | |
|--|--|--|
| <ul style="list-style-type: none"> ■ EXISTING SERVICE INSTALLATION ⊠ EXISTING CONTROLLER CABINET ⊞ EXISTING HANDHOLE ⊕ EXISTING MAST ARM AND POLE ⊖ EXISTING TRAFFIC SIGNAL POST → EXISTING SIGNAL FACE → EXISTING SIGNAL FACE WITH BACKPLATE → EXISTING PEDESTRIAN SIGNAL FACE ⊙ EXISTING PEDESTRIAN PUSH-BUTTON ▲ EXISTING EMERGENCY PREEMPTION --- EXISTING CONDUIT [55] EXISTING MAST ARM LENGTH | <ul style="list-style-type: none"> ■ PROPOSED SERVICE INSTALLATION ⊠ PROPOSED CONTROLLER CABINET ⊞ PROPOSED HANDHOLE ⊕ PROPOSED MAST ARM AND POLE WITH LUMINAIRE ⊖ PROPOSED TRAFFIC SIGNAL POST → PROPOSED SIGNAL FACE → PROPOSED SIGNAL FACE WITH BACKPLATE → PROPOSED PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMERS ⊙ PROPOSED PEDESTRIAN PUSH-BUTTON ▲ PROPOSED EMERGENCY PREEMPTION ⊖ PROPOSED RADAR VEHICLE DETECTION SYSTEM --- PROPOSED CONDUIT [55] PROPOSED MAST ARM LENGTH | <ul style="list-style-type: none"> PVC POLYVINYL CHLORIDE CONDUIT CN COILABLE, NON-METALLIC CONDUIT B BORED AND PULLED T TRENCHED CT COMMON TRENCHED LENGTH-E-SIZE EXISTING CONDUIT LENGTH - CONDUIT SIZE LENGTH METHOD SIZE TYPE PROPOSED CONDUIT LENGTH - PUSHED/TRENCHED CONDUIT SIZE - TYPE STA OFF STATION OFFSET |
|--|--|--|

NOTE: ALL STA & OFFSETS ARE FROM N. ROCKTON AVENUE

H:\11-010 HSP Design\DESIGN\DRAWINGS\11-010 SigPlan-Rockton.dwg, Plot: 1/21/2015 5:39:07 PM

SHEET REVIEW	
AGENCY	DATE

REVISIONS		
NO.	ITEM	DATE

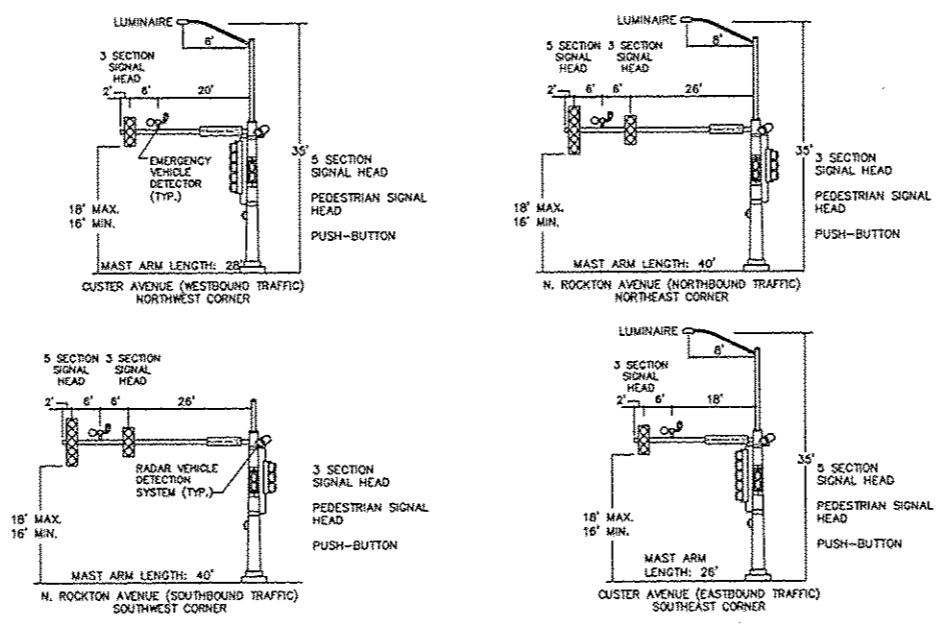
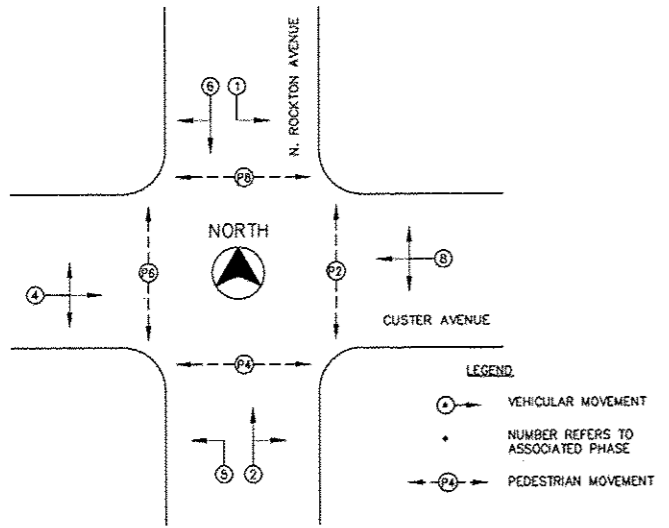
PLOT SCALE:	1:1
PLOT DATE:	1/21/2015
DRAWN BY:	KRL
CHECKED BY:	POS
SUBMITTAL DATE:	01/23/2015

McClure
Engineering Associates, Inc.
Rockford, Illinois 61107-5837
7282 Arroyo Drive
(815) 398-2332 FAX (815) 398-2496
Design Firm License: Illinois 184-000816
Copyright 2012 By McClure Engineering Associates, Inc.

TRAFFIC SIGNAL PLAN - ROCKTON & CUSTER
HSIP INTERSECTION IMPROVEMENTS
N. ROCKTON AVE. AT CUSTER AVE
ROCKFORD ILLINOIS
FILE: H:\11-010 HSP Design\DESIGN\DRAWINGS\11-010 SIGPLAN-ROCKTON.DWG
MEAT JOB: 04-28-II-010

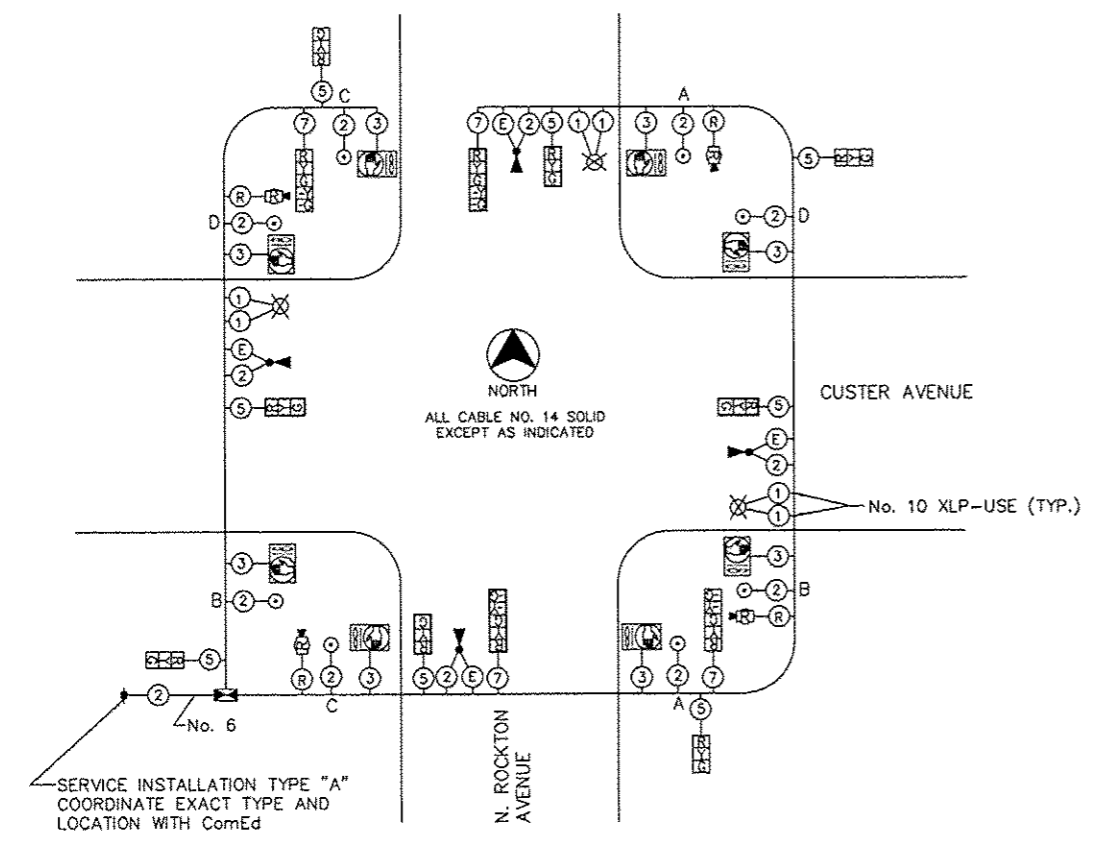
SUMMARY OF QUANTITIES

ITEM NO.	ITEM	UNIT	QUANTITY
72000100	SIGN PANEL - TYPE 1	SQ FT	6
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1
81028360	UNDERGROUND CONDUIT, PVC, 2 1/2" DIA.	FOOT	99
81028390	UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	14
81028750	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	29
81028790	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 4" DIA.	FOOT	192
81400100	HANDHOLE	EACH	3
81400300	DOUBLE HANDHOLE	EACH	1
81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	922
85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,631
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,041
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,184
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	606
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	32
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	580
87502460	TRAFFIC SIGNAL POST, GALVANIZED STEEL 12 FT.	EACH	2
87502480	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	2
87700240	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1
87702860	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 26 FT.	EACH	1
87702870	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 28 FT.	EACH	1
87702930	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 40 FT.	EACH	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	12.3
87800200	CONCRETE FOUNDATION, TYPE D	FOOT	3.5
87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	20
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	26
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	2
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	8
88200100	TRAFFIC SIGNAL BACKPLATE	EACH	6
88800100	PEDESTRIAN PUSH-BUTTON	EACH	8
X0325476	RADAR VEHICLE DETECTION SYSTEM	EACH	1
X8210877	LUMINAIRE, METAL HALIDE HORIZONTAL MOUNT 400 WATT, SPECIAL	EACH	3
XX003163	EMERGENCY VEHICLE PRIORITY SYSTEM	EACH	1
XX003167	STREET NAME SIGN MAST ARM MOUNTED (INSTALL ONLY)	EACH	4



PHASE DESIGNATION DIAGRAM
REFER TO IDOT STANDARD 857001
No Scale

MAST ARM EQUIPMENT MOUNTING DETAIL
No Scale

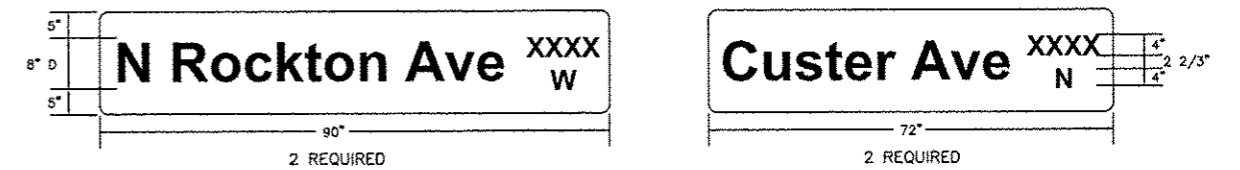


- CABLE PLAN LEGEND**
- ◆ SERVICE INSTALLATION
 - ⊗ CABLE WITH NO. OF CONDUCTORS
 - SIGNAL HEAD WITH BACKPLATE (12" LENSES)
 - SIGNAL HEAD WITHOUT BACKPLATE (12" LENSES)
 - ⊕ PEDESTRIAN SIGNAL HEAD
 - PEDESTRIAN PUSH-BUTTON
 - ▣ CONTROLLER CABINET
 - ⊗ HIGH PRESSURE SODIUM LUMINAIRE (400 WATTS)
 - ⊕ EMERGENCY VEHICLE PRIORITY SYSTEM DETECTOR UNIT
 - ⊕ RADAR VEHICLE DETECTION SYSTEM
 - ⊕ EMERGENCY VEHICLE PRIORITY SYSTEM LEAD-IN CABLE IN CONDUIT (3/C NO. 20) (INCLUDED IN EMERGENCY VEHICLE PRIORITY SYSTEM)
 - ⊕ RADAR VEHICLE DETECTION SYSTEM CABLE (INCLUDED IN RADAR VEHICLE DETECTION SYSTEM)

CONTROLLER SPECIFIED:
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET

THE POSTED SPEED LIMIT ON:
N. ROCKTON AVENUE IS 30 MPH
CUSTER AVENUE IS 30 MPH

PUSH-BUTTON NOTE:
BUTTONS "A" CALL PHASE 2
BUTTONS "B" CALL PHASE 4
BUTTONS "C" CALL PHASE 6
BUTTONS "D" CALL PHASE 8



MAST ARM MOUNTED STREET NAME SIGNS
No Scale

- GENERAL NOTES**
- ALL SIGNING, STRIPING, TRAFFIC SIGNALS, AND TRAFFIC CONTROL DEVICES DURING CONSTRUCTION SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.) CURRENT EDITION.
 - ALL NEW CONSTRUCTION SHALL CONFORM TO THE SPECIFICATIONS OF THE CITY OF ROCKFORD AND THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2012.
 - ALL COMBINATION MAST ARMS SHALL HAVE A 35' LUMINAIRE MOUNTING HEIGHT. MATERIAL TYPES SHALL BE AS FOLLOWS: SIGNAL POLES SHALL BE GALVANIZED STEEL, MAST ARM ASSEMBLIES SHALL BE STEEL, SIGNAL HEADS AND BRACKET ARMS SHALL BE POLYCARBONATE, BRACKET MOUNTED OR MAST ARM MOUNTED. ALL TRAFFIC SIGNAL EQUIPMENT IS TO BE SPUN ALUMINUM OR GALVANIZED FINISH EXCEPT FOR THE SIGNAL HEADS.
 - MAST ARM MOUNTED STREET NAME SIGNS SHALL BE CREATED AS SHOWN AND MOUNTED IN ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS AND AS DIRECTED BY THE CITY TRAFFIC ENGINEER. SIGNS SHALL BE SUPPLIED BY THE CITY OF ROCKFORD AND INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH THE MUTCD AND CITY REQUIREMENTS.
 - WIRING FOR LUMINAIRE SHALL CONSIST OF TWO 600V (XLP-TYPE USE) 1/C NO. 10 WIRES FROM LUMINAIRE TO POLE HANDHOLE AND TWO 600V (XLP-TYPE USE) 1/C NO. 10 WIRES FROM THE POLE HANDHOLE TO CONTROLLER. THE ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C SHALL RUN FROM FOUNDATION GROUND ROD TO ELECTRIC SERVICE GROUND AND SHALL INCLUDE A GREEN INSULATED JACKET. IN THE CASE THAT THE LUMINAIRE USED IN CONSTRUCTION REQUIRES THE CONTROL WIRE TO CROSS THE BALLAST, THE 600V (XLP-TYPE USE) 1/C NO. 10, WHICH RUNS FROM THE LUMINAIRE TO THE POLE HANDHOLE, SHALL BE REPLACED WITH NO. 12 (THHN) 1/C PER MANUFACTURER'S SPECIFICATIONS.
 - EACH PEDESTRIAN PUSH-BUTTON SHALL BE MOUNTED WITH A "PUSH BUTTON FOR GREEN" SIGN, M.U.T.C.D. R10-4 (9" X 12"). BUTTONS MUST BE LOCATED WITHIN 10-INCH HORIZONTAL REACH OF RAMP "TURNING SPACE" AND SHALL BE MOUNTED IN ACCORDANCE WITH SECTION 4E.08 OF THE M.U.T.C.D.
 - THE UNIVERSAL GENERATOR TRANSFER SWITCH IS INCLUDED IN THE COST OF THE CONTROLLER CABINET.

85545

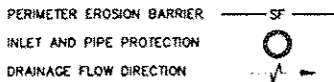
STORM WATER POLLUTION PREVENTION NOTES:

1. THE STORM WATER POLLUTION PREVENTION PLAN IS COMPRISED OF THE DRAWING MAPS, SPECIFICATIONS AND THE PERMIT AND ALL SUBSEQUENT REPORTS AND RELATED DOCUMENTS.
2. ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION SHALL OBTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN, ILLINOIS EPA NPDES GENERAL PERMIT, CITY OF ROCKFORD NPDES PERMIT, AND BECOME FAMILIAR WITH THEIR CONTENTS.
3. CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE SWPPP. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST TO OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
4. BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY PERMITTING AGENCY OR OWNER.
5. GENERAL CONTRACTOR SHALL DENOTE ON EXHIBITS THE TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AND CLEANING AREA.
6. ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.
7. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.
8. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO ADJACENT ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY. ALL PAVEMENT SHALL BE THOROUGHLY CLEANED AT THE END OF THE EACH WORKING DAY.
9. CONTRACTORS OR SUBCONTRACTORS WILL BE RESPONSIBLE FOR REMOVING SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEWER DRAINAGE SYSTEMS IN CONJUNCTION WITH THE STABILIZATION OF THE SITE.
10. ALL CONSTRUCTION SHALL BE STABILIZED AT THE END OF EACH WORKING DAY. THIS INCLUDES BACKFILLING OF TRENCHES FOR UTILITY CONSTRUCTION AND PLACEMENT OF GRAVEL OR BITUMINOUS PAVING FOR ROAD CONSTRUCTION.
11. THE EROSION CONTROL MEASURES INDICATED ON THE DRAWING MAPS ARE THE MINIMUM REQUIREMENTS.
12. DETAIL DRAWINGS SHOWN ARE RECOMMENDATIONS ONLY. ALL EROSION CONTROL MEASURES MUST BE INSTALLED, INSPECTED AND APPROVED BY THE CITY OF ROCKFORD OR THEIR REPRESENTATIVES, BEFORE CONSTRUCTION ACTIVITIES BEGIN.
13. SILTATION BAGS SHALL BE USED TO PROTECT THE INLETS FROM SILTATION AND TO GATHER SILTATION FOR QUANTIFICATION, DOCUMENTATION AND DISPOSAL OF DEBRIS AND SILT.
14. ALL DISTURBED AREAS THAT WILL BE LEFT IDLE FOR MORE THAN THIRTY (30) DAYS SHALL BE TEMPORARILY SEEDED WITHIN SEVEN (7) DAYS.
15. PARKWAY RESTORATION AREAS ARE TO RECEIVE FOUR (4) INCHES OF TOPSOIL AND BE SEEDED, FERTILIZED, MULCHED AND WATERED AS SPECIFIED WITHIN SEVEN (7) DAYS OF FINAL TOPSOIL PLACEMENT AND UNTIL A HEALTHY STAND OF GRASS IS OBTAINED, AS DETERMINED BY THE ENGINEER.
16. INLET PROTECTION MUST BE PROVIDED AND MAINTAINED FOR ALL PROPOSED STORM SEWER INLETS, EXISTING DOWNSTREAM INLETS, CULVERTY INLETS AND OPEN GRATED MANHOLES UNTIL FINAL STABILIZATION OF THE PROJECT.
17. UPON FINAL STABILIZATION OF THE PROJECT, THE CONTRACTOR SHALL CLEAN THE STORM SEWER SYSTEM OF DEBRIS AND SILT WHICH SHALL BE DISPOSED OF PROPERLY AT THE DIRECTION OF THE ENGINEER.

GENERAL NOTES:

1. SEE STANDARDS AND DETAILS FOR BMPS.
2. LIMITS OF DISTURBANCE ARE FROM FLAG OF CURB TO FLAG OF CURB FOR PAVEMENT REMOVAL AND REPLACEMENT. SIDEWALK REMOVAL AND REPLACEMENT WILL BE LIMITED TO THE EXTENTS OF THE SIDEWALK.
3. DEPENDING ON CONTRACTORS SEQUENCE OF CONSTRUCTION, INLET PROTECTION BEHIND THE INLET (SEE DETAIL), MAY OR MAY NOT BE REQUIRED. INLET PROTECTION IN FRONT OF THE INLET IS REQUIRED AT ALL TIMES.

KEY LEGEND:

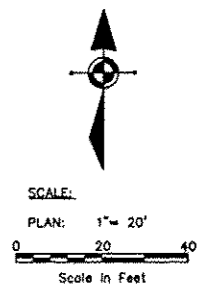
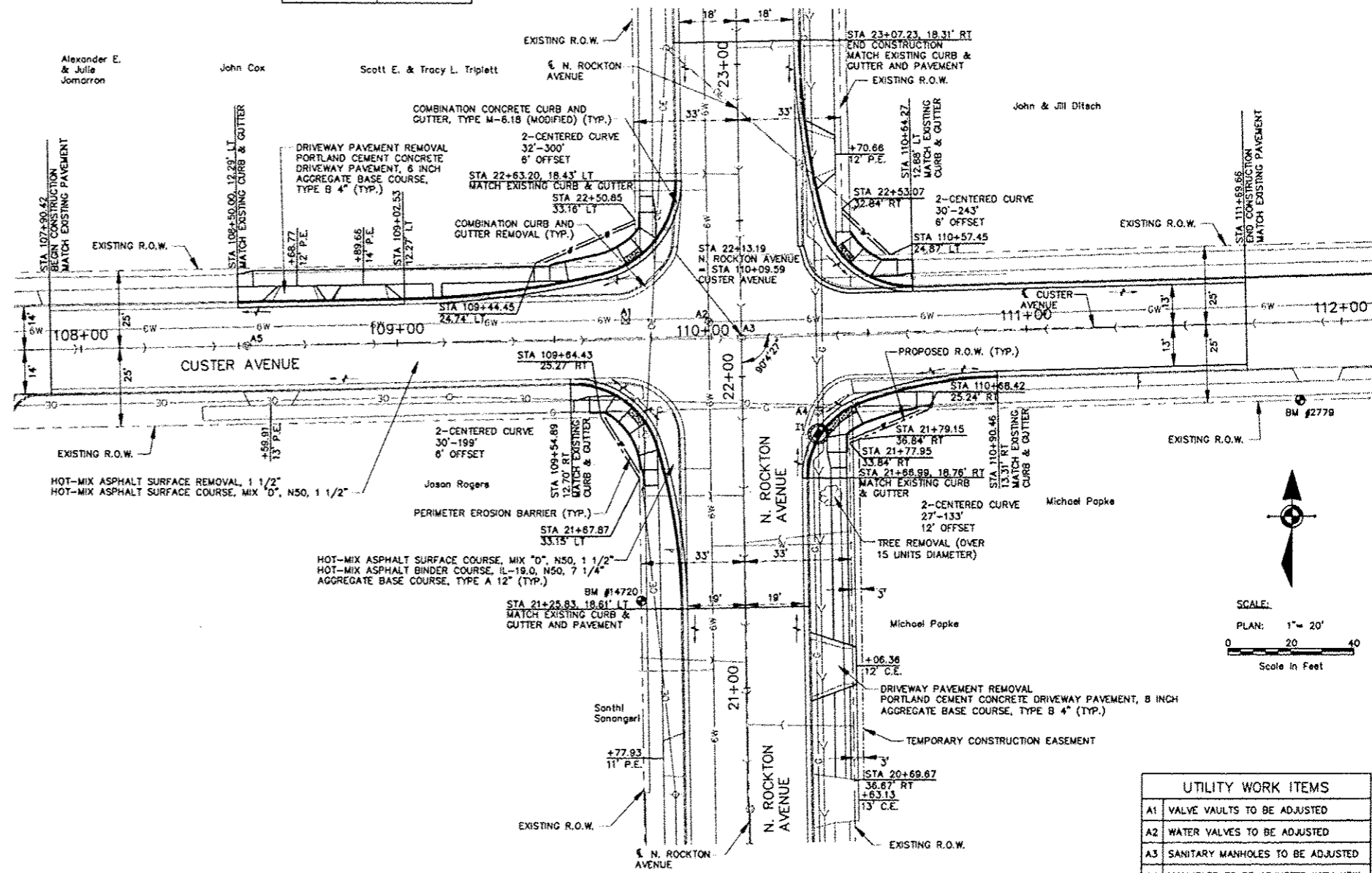


MAINTENANCE NOTES:

- ALL BMP MEASURES STATED ON THIS STORM WATER POLLUTION MAP AND PLAN SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE ROADWAY PROJECT. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A 0.5" RAINFALL EVENT, AND CLEANED AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING:
- a. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING, OR DETERIORATION.
 - b. ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED, AND RE-SEEDED AS NEEDED.
 - c. SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SILT FENCE.
 - d. THE CONSTRUCTION AREA ACCESSES SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO ADJACENT PUBLIC ROADWAYS AND RIGHTS-OF-WAY OUTSIDE WORK AREA.
 - e. SILT BAGS IN REQUIRED INLET STRUCTURES SHALL BE MAINTAINED IN OPERATIONAL CONDITIONS AT ALL TIMES. SEDIMENT FROM SILT BAGS SHALL BE REMOVED FROM BAGS AND QUANTIFIED AND REPORTED WEEKLY TO THE ENGINEER.

TEMPORARY PEDESTRIAN RAMPS	
LOCATION	QUANTITY
NW QUADRANT	3 SY
NE QUADRANT	3 SY
SW QUADRANT	3 SY
SE QUADRANT	3 SY

ROCKTON / CUSTER BENCHMARKS	
DESCRIPTION	ELEVATION
BM #2779: FOUND 1/2" IRON PIN, STA. 111+88.41, 25.00' RT	737.23
BM #14720: FOUND 1/2" IRON PIN, STA. 21+28.68, 33.20' LT	737.75



UTILITY WORK ITEMS	
A1	VALVE VAULTS TO BE ADJUSTED
A2	WATER VALVES TO BE ADJUSTED
A3	SANITARY MANHOLES TO BE ADJUSTED
A4	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID
A5	SANITARY MANHOLES TO BE ADJUSTED
I1	INLETS, SPECIAL STA. 21+81, 23' RT TC 737.28 MATCH EXISTING FLOWLINE

- NOTES:
- 1) SEE ADA RAMP DETAILS FOR INFORMATION CONCERNING THE EXISTING OR PROPOSED SIDEWALK.
 - 2) TRANSITION CURB AND GUTTER TO MATCH EXISTING CURB ON N. ROCKTON AVENUE.

H:\11-010 HSP Design\DRAWINGS\11-010 RoadwayPlan.dwg, ROADWAY & EROSION CONTROL PLAN, 3/2/2015 4:29:27 PM

SHEET REVIEW	
AGENCY	DATE

REVISIONS		
NO.	ITEM	DATE

PLOT SCALE:	1:1
PLOT DATE:	3/2/2015
DRAWN BY:	KRL
CHECKED BY:	MS
SUBMITAL DATE:	01/23/2015

ROADWAY & EROSION CONTROL PLAN
HSIP INTERSECTION IMPROVEMENTS

N. ROCKTON AVE. AT CUSTER AVE. ROCKFORD ILLINOIS

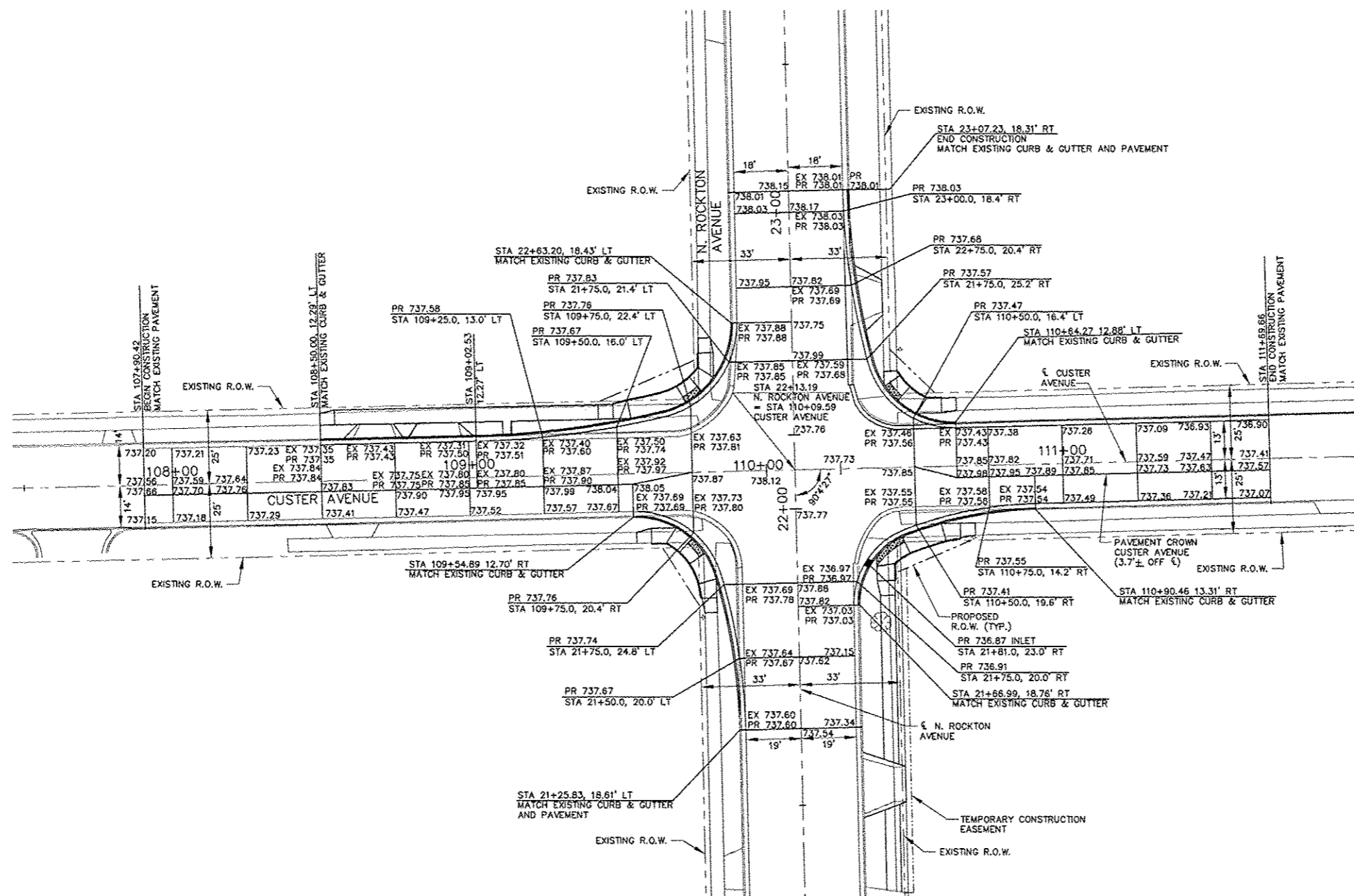
FILE:H:\11-010 HSP DESIGN\DRAWINGS\11-010 ROADWAYPLAN.DWG MEA\ JOB:04-28-II-010

SHEET NO.
8
OF
20



SCALE:
PLAN: 1" = 20'
0 20 40
Scale in Feet

NOTE:
ALL ELEVATIONS ARE PAVEMENT ELEVATIONS
UNLESS OTHERWISE NOTED.



H:\11-000-HSP Design\DESIGN\DRAWINGS\11-010-Roadway\files.dwg, ELEVATION PLAN, 1/21/2015, 5:09:08 PM

SHEET REVIEW	
AGENCY	DATE

REVISIONS			
NO.	ITEM	DATE	

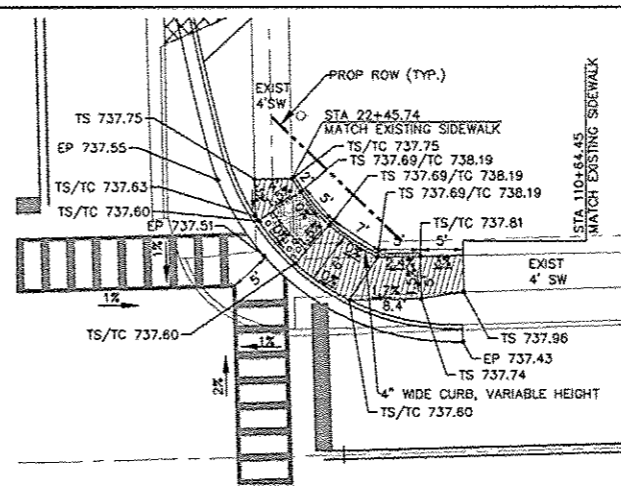
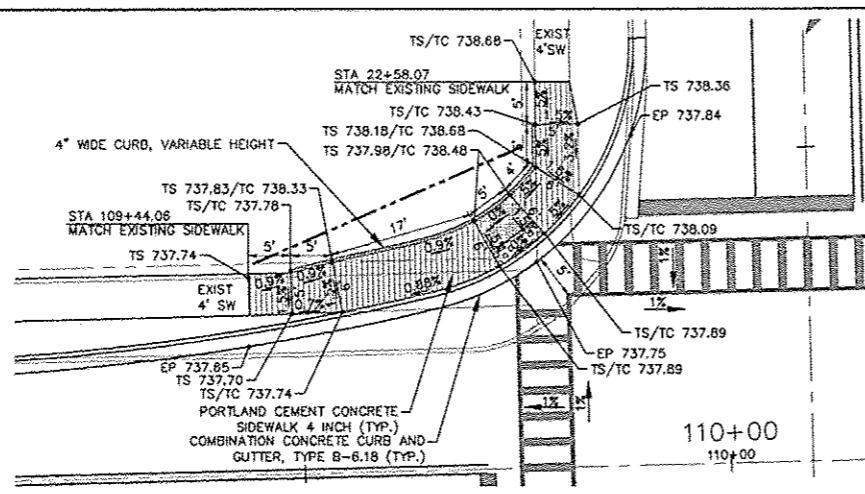
PLOT SCALE: 1:1
PLOT DATE: 1/21/2015
DRAWN BY: MRL
CHECKED BY: PDS
SUBMITTAL DATE: 01/23/2015

McClure
Engineering Associates, Inc.
Rockford, Illinois 61107-8637
7815 Aurora Drive
Rockford, IL 61107-2332
Fax (815) 398-2496
Design Firm License: Illinois 184-000816
Copyright 2012 By McClure Engineering Associates, Inc.

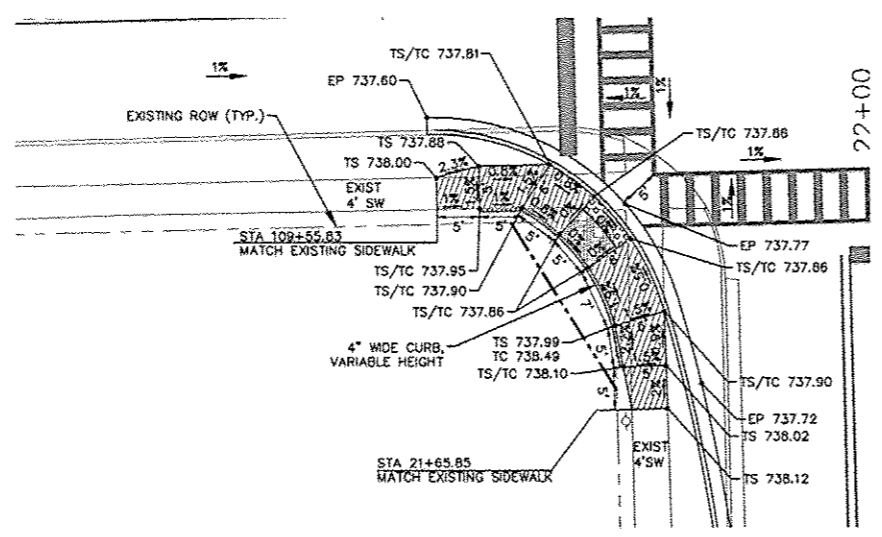
ELEVATION PLAN
HSIP INTERSECTION IMPROVEMENTS
N. ROCKTON AVE. AT CUSTER AVE
ROCKFORD ILLINOIS
FILE: H:\11-010-HSP DESIGN\DESIGN\DRAWINGS\11-010-ROADWAY\PLAN.DWG
MEAI JOB: 04-26-11-010

SHEET NO.
9
OF
20

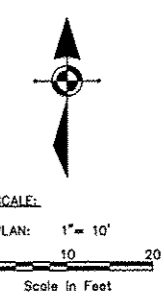
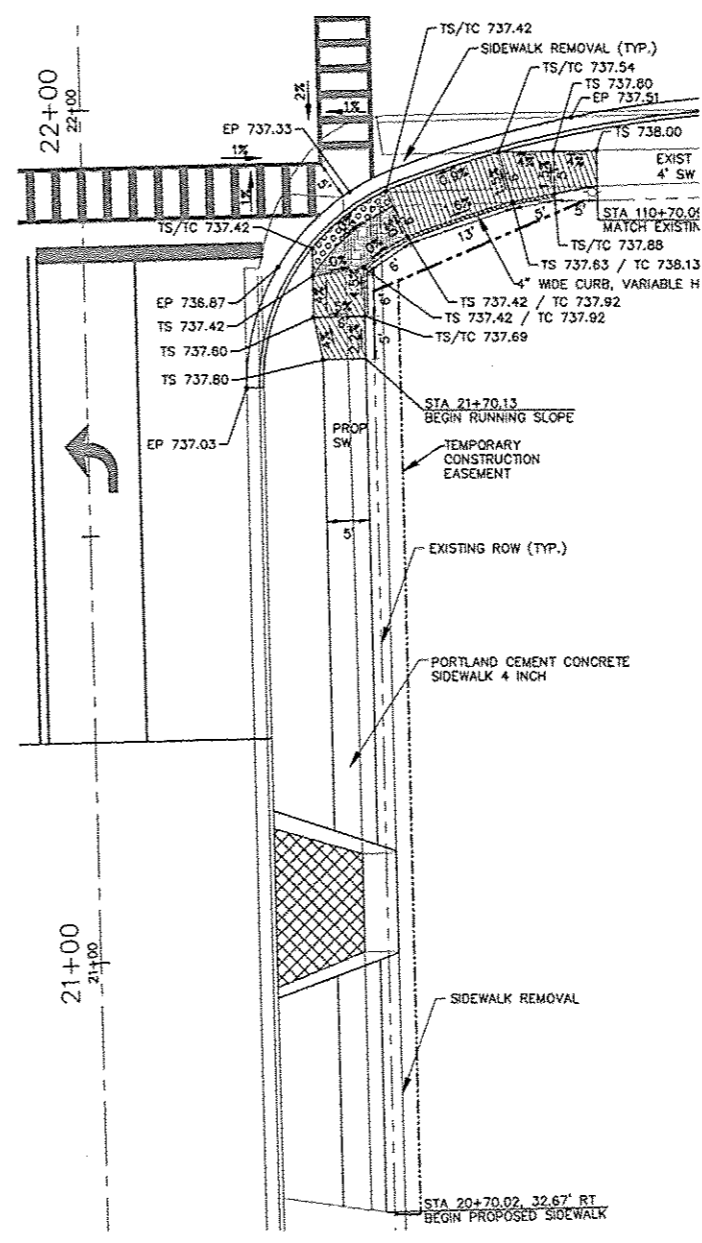
85545



CUSTER AVENUE



N. ROCKTON AVENUE

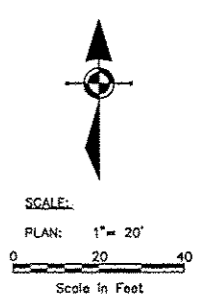
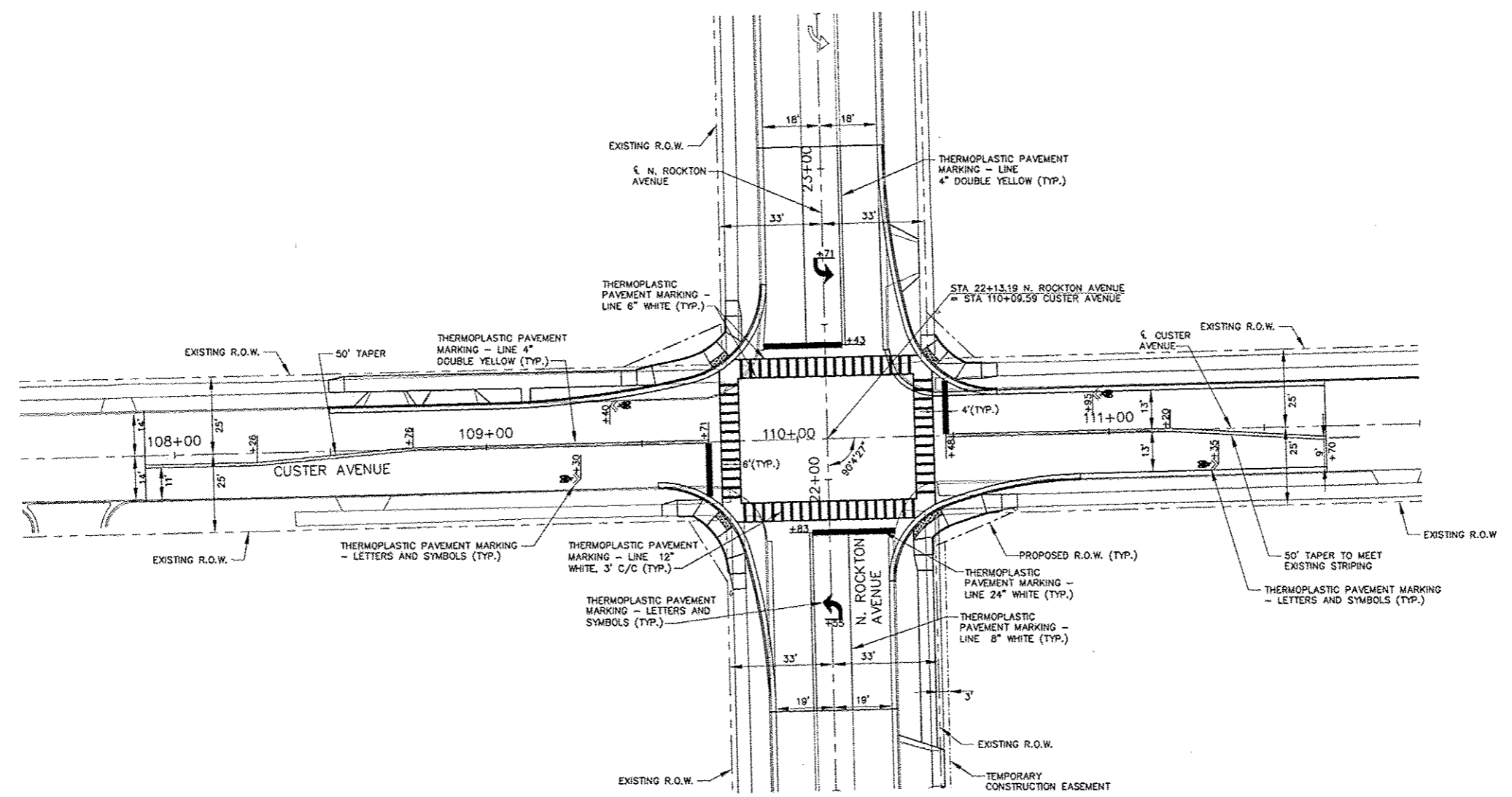


- NOTES:
- 1) ALL TACTILE WARNINGS 24" WIDE.
 - 2) ALL LANDINGS MINIMUM 5' LONG.
 - 3) MAXIMUM RUNNING SLOPE OF SIDEWALK RAMP AND CROSSWALK SHALL NOT EXCEED 5%. CROSS SLOPE OF CROSSWALK SHALL NOT EXCEED 2%.
 - 4) 4" WIDE VARIABLE HEIGHT CURB ALONG SIDEWALK SHALL BE INCIDENTAL TO PORTLAND CEMENT CONCRETE SIDEWALK.

- LEGEND:
- DETECTABLE WARNINGS
 - LANDING (MAX. GRADE = 2%)
 - RUNNING SLOPE (MAX. GRADE = 5%)
 - 4" WIDE CURB, VARIABLE HEIGHT

H:\11-010 HSP DESIGN\DESIGN\DRAWINGS\11-010 ADARAMP.dwg ADA RAMP DETAILS, 1/21/2015 3:35:00 PM

SHEET REVIEW		REVISIONS		PLOT SCALE: 1:1	<p>McClure Engineering Associates, Inc. 7885 Arroyo Drive, Rockford, Illinois 61107-5837 (815) 398-2132 FAX (815) 398-2136 Design Firm License: Illinois 184-000816 Copyright 2012 By McClure Engineering Associates, Inc.</p>	ADA RAMP DETAILS		SHEET NO. 10 OF 20
AGENCY	DATE	NO.	ITEM	DATE		HSP INTERSECTION IMPROVEMENTS		
						N. ROCKTON AVE. AT CUSTER AVE		ROCKFORD ILLINOIS
						FILE H:\11-010 HSP DESIGN\DESIGN\DRAWINGS\11-010 ADARAMP.DWG		MEAI JOB 04-28-11-010



R:\13-010 HSP Design\DESIGN\DRAWINGS\11-010 Roadway\Plan\dwg STRIPING PLAN_1/26/2015 4:31:28 PM

SHEET REVIEW	
AGENCY	DATE

REVISIONS		
NO.	ITEM	DATE

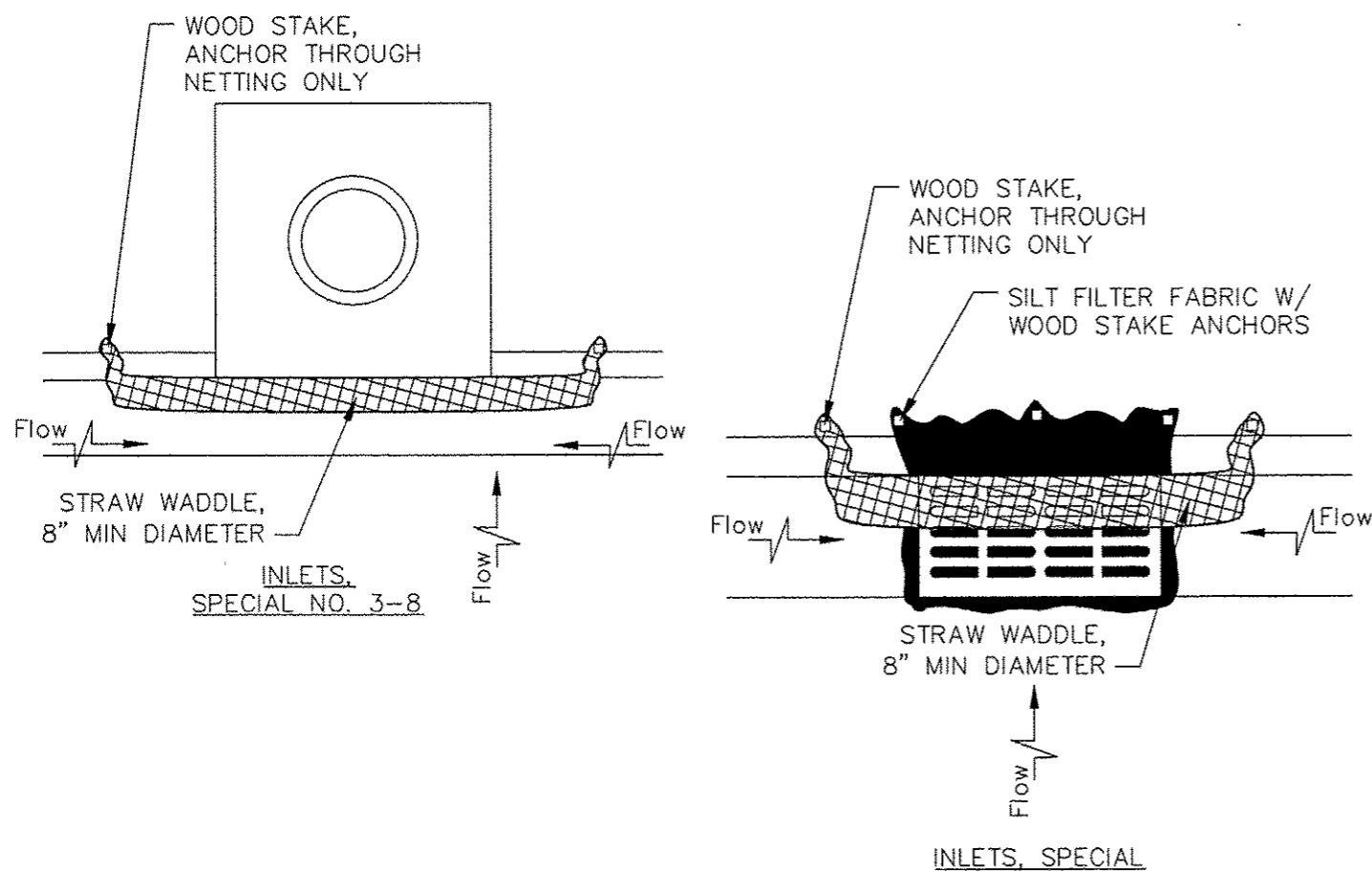
PLOT SCALE:	1:1
PLOT DATE:	1/26/2015
DRAWN BY:	KRL
CHECKED BY:	POS
SUBMITTAL DATE:	01/23/2015

McClure
Engineering Associates, Inc.
7285 Argus Drive, Rockford, Illinois 61107-2837
(815) 398-2332, Fax (815) 398-2406
Design Firm License: Illinois 104-000816
Copyright 2012 By McClure Engineering Associates, Inc.

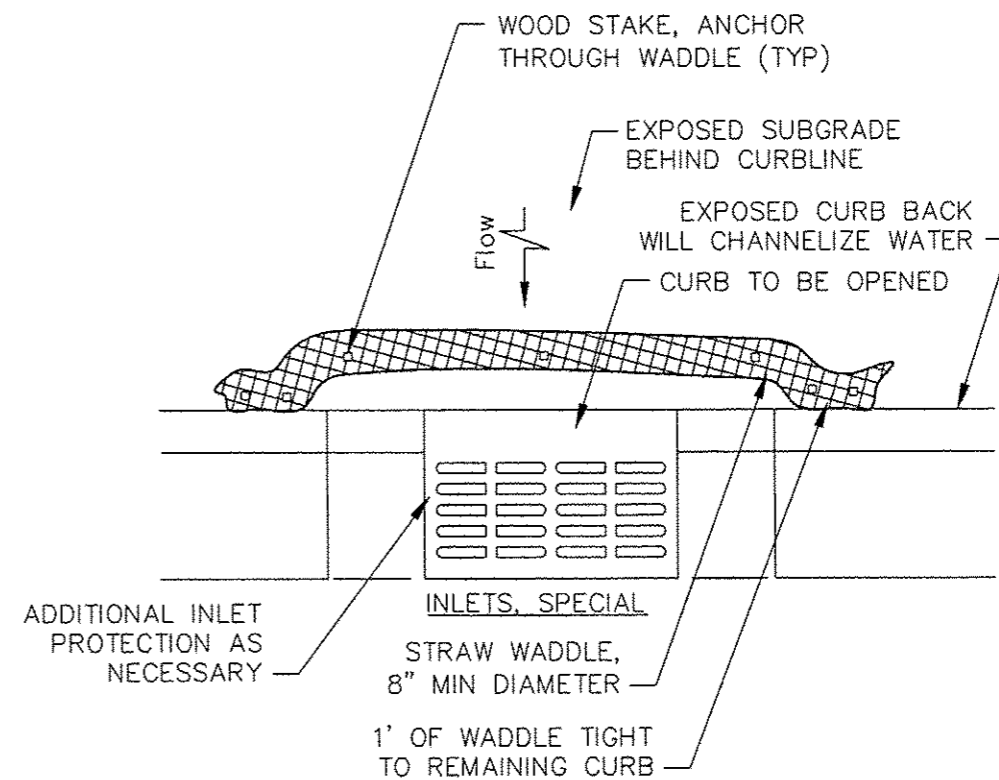
STRIPING PLAN
HSP INTERSECTION IMPROVEMENTS

N. ROCKTON AVE. AT CUSTER AVE ROCKFORD ILLINOIS

FILE: H:\11-010 HSP DESIGN\DESIGN\DRAWINGS\11-010 ROADWAY\PLAN.DWG MEAL JOB: 04-25-11-010



EROSION CONTROL DETAIL FOR INLETS
COR



NOTES:
FOR USE AT INLET ADJUSTMENTS
AND CURB & GUTTER REMOVAL AND
REPLACEMENT LOCATIONS

EROSION CONTROL DETAIL FOR CURB OPENINGS
CREATED BY MEAI 2-12-09

H:\11-010 HSP Design\DESIGN\DRAWINGS\11-010 Details.dwg EROSION CONTROL DETAILS, 1/21/2015 3:35:13 PM

SHEET REVIEW	
AGENCY	DATE

REVISIONS		
NO.	ITEM	DATE

PLOT SCALE:	1:1
PLOT DATE:	1/21/2015
DRAWN BY:	KRL
CHECKED BY:	POS
SUBMITTAL DATE:	01/23/2015

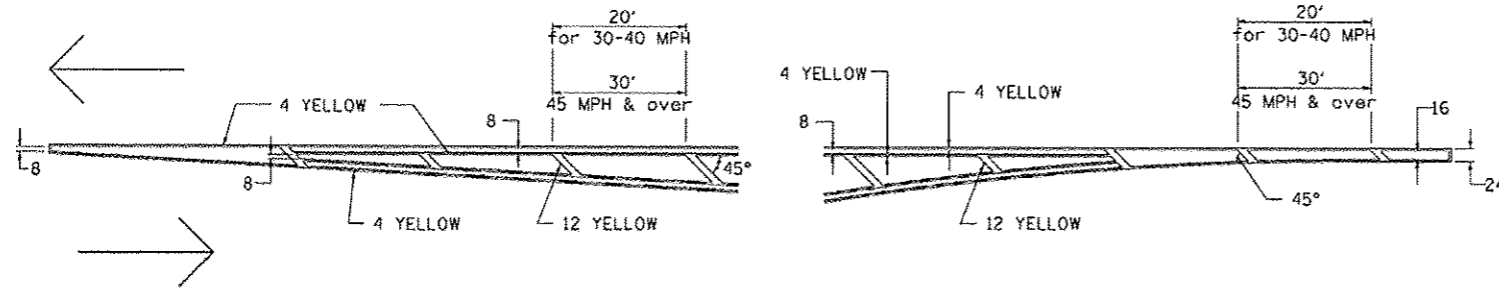
McClure
Engineering Associates, Inc.
7282 Arqua Drive
Rockford, Illinois 61107-5837
(615) 398-2532 FAX (615) 398-2498
Design Firm License: Illinois 184-000816
Copyright 2012 By McClure Engineering Associates, Inc.

EROSION CONTROL DETAILS	
HSIP INTERSECTION IMPROVEMENTS	
N. ROCKTON AVE. AT CUSTER AVE	ROCKFORD ILLINOIS
FILE H-11-010 HSP DESIGN\DESIGN\DRAWINGS\11-010 DETAILS.DWG	MEAI JOB 04-28-11-010

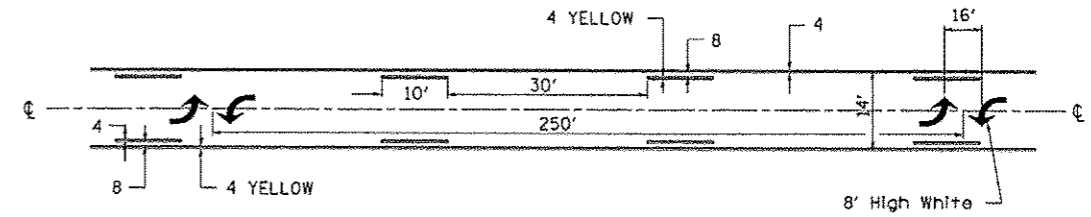
SHEET NO.	12
OF	20

TYPICAL PAVEMENT MARKINGS

TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE

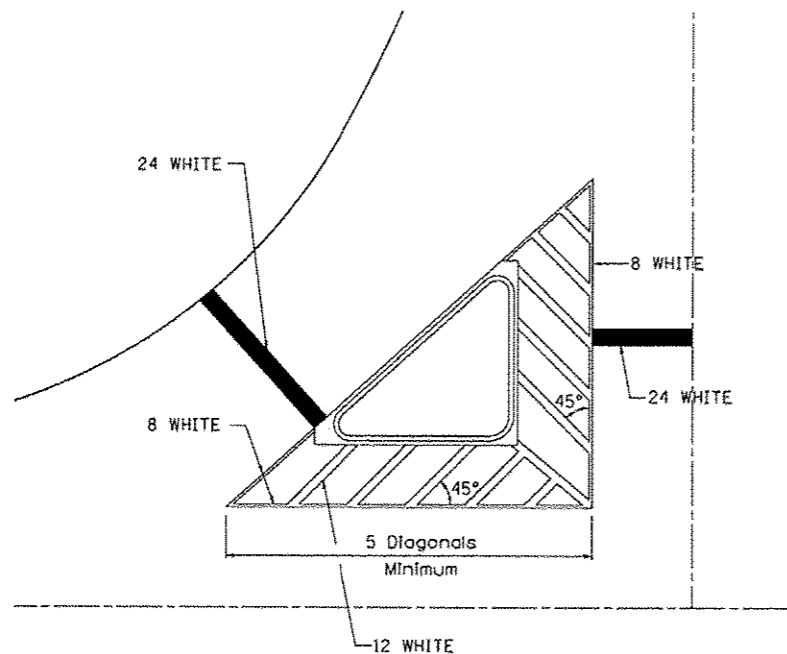


MEDIAN PAVEMENT MARKING



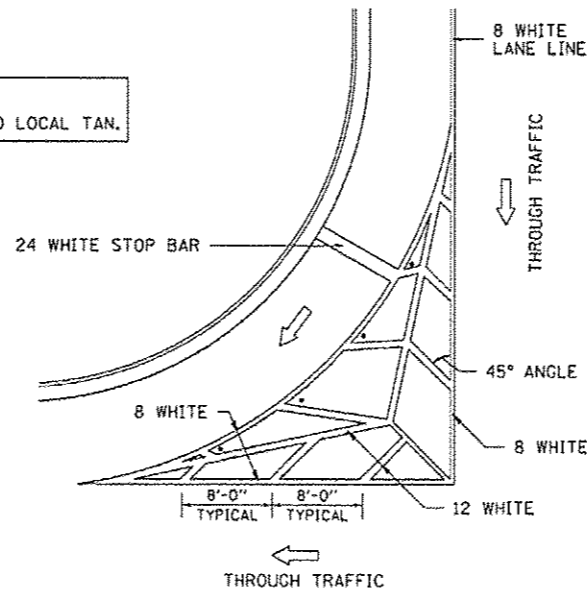
•• ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

TYPICAL ISLAND OFFSET SHOULDER WIDTH



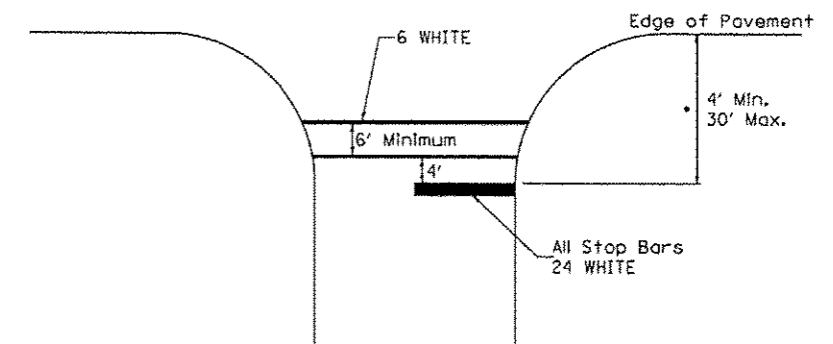
TYPICAL MARKING FOR PAINTED ISLANDS

NOTE:
* 45° TO LOCAL TAN.



STANDARD CROSSWALK MARKING

See Schedules for Locations



• Distance to the nearest edge of the intersecting roadway in the absence of a marked crosswalk.

FILE NAME = District 2 Standard	USER NAME = IDOT/District 2	DESIGNED -	REVISED - 6-27-14
		DRAWN -	REVISED - 3-05-12
		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT
--------	-----------	-----------	--------------	---------------------	---------------------------

TYPICAL PAVEMENT MARKINGS SHEET 1 OF 3 41.1

SHEET REVIEW	
AGENCY	DATE

REVISIONS		
NO.	ITEM	DATE

PLOT SCALE: 1:1
PLOT DATE: 1/21/2015
DRAWN BY: KRL
CHECKED BY: PDS
SUBMITTAL DATE: 01/23/2015

McClure
Engineering Associates, Inc.
7285 Arroyo Drive
Rockford, Illinois 61107-5837
(815) 398-2332 FAX (815) 398-2496
Design Firm License: Illinois 184-000318
Copyright 2011 By McClure Engineering Associates, Inc.

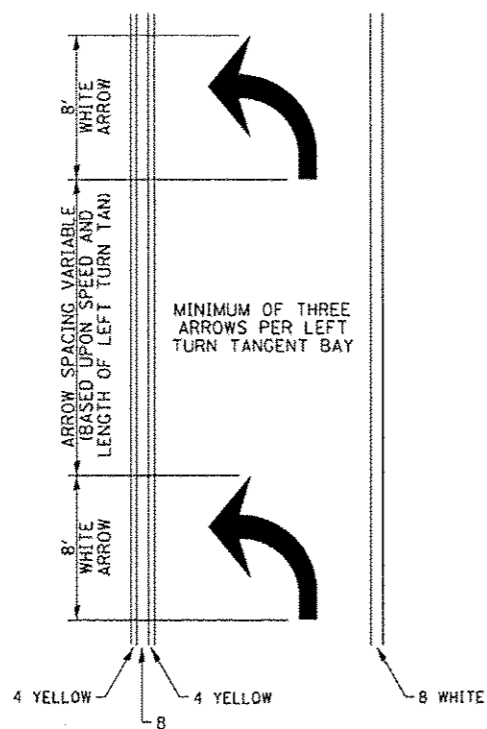
IDOT DISTRICT 2 HIGHWAY STANDARDS	
HSIP INTERSECTION IMPROVEMENTS	
N. ROCKTON AVE. AT CUSTER AVE	ROCKFORD ILLINOIS
FILE: H:\11-010 HSIP DESIGN\DESIGN\DRAWINGS\11-010 DETAILS.DWG	MEAI JOB-04-28-II-010

SHEET NO.
13
OF
20

H:\11-010 HSIP Design\DESIGN\DRAWINGS\11-010 Details.dwg, IDOT - DIST 2-3, 1/21/2015 4:49:07 PM

TYPICAL PAVEMENT MARKINGS

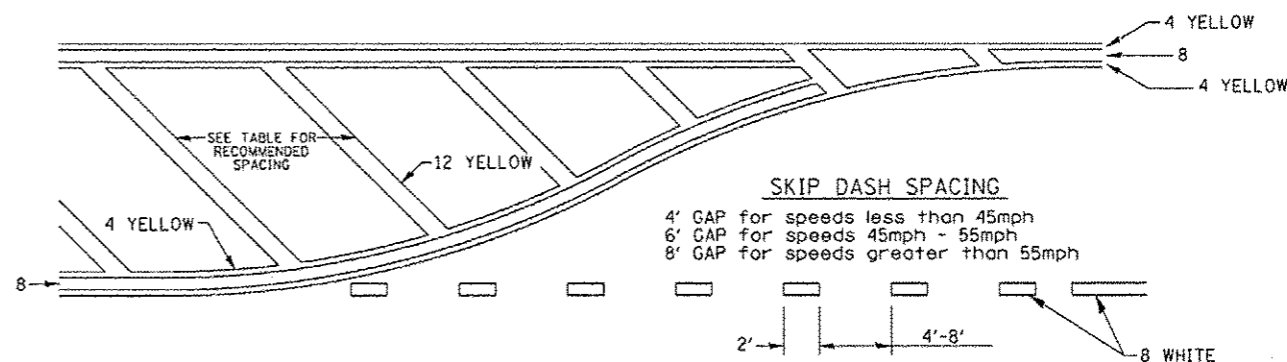
ARROW LAYOUT



- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER
- ◆ TWO-WAY AMBER MARKER

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

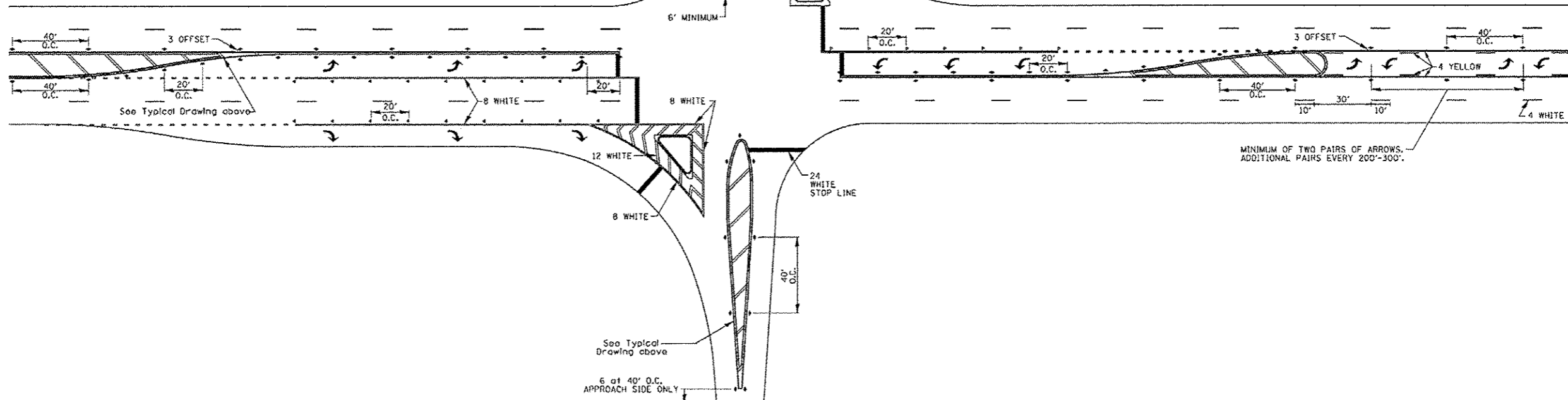
TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



RECOMMENDED SPACING BETWEEN DIAGONALS (IN FEET)

Speed Limit Range	Continuous Median Area	Intersection Channelization	Objects (Islands)
less than 30MPH	50'	15'	10'
30-40MPH	75'	20'	15'
45MPH & over	75'	30'	20'

NOTE: If the spacing recommended in the Table does not permit at least five diagonal lines in the area being marked, the spacing from the next lowest speed range should be used. The recommended spacing is measured parallel to the pavement center line.



FILE NAME - District 2 Standard	USER NAME - IDOT/District 2	DESIGNED -	REVISED - 6-27-14
		DRAWN -	REVISED - 3-05-12
	PLOT SCALE = 1/8" = 1' / in.	CHECKED -	REVISED -
	PLOT DATE = Thu Nov 13 11:02:08 2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

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

TYPICAL PAVEMENT MARKINGS SHEET 2 OF 3 41.1

H:\11-010 HSP Design\DESIGN\DRAWINGS\11-010 Details.dwg, IDOT - DIST 2-4, 1/21/2015 4:51:02 PM

SHEET REVIEW	
AGENCY	DATE

REVISIONS		
NO.	ITEM	DATE

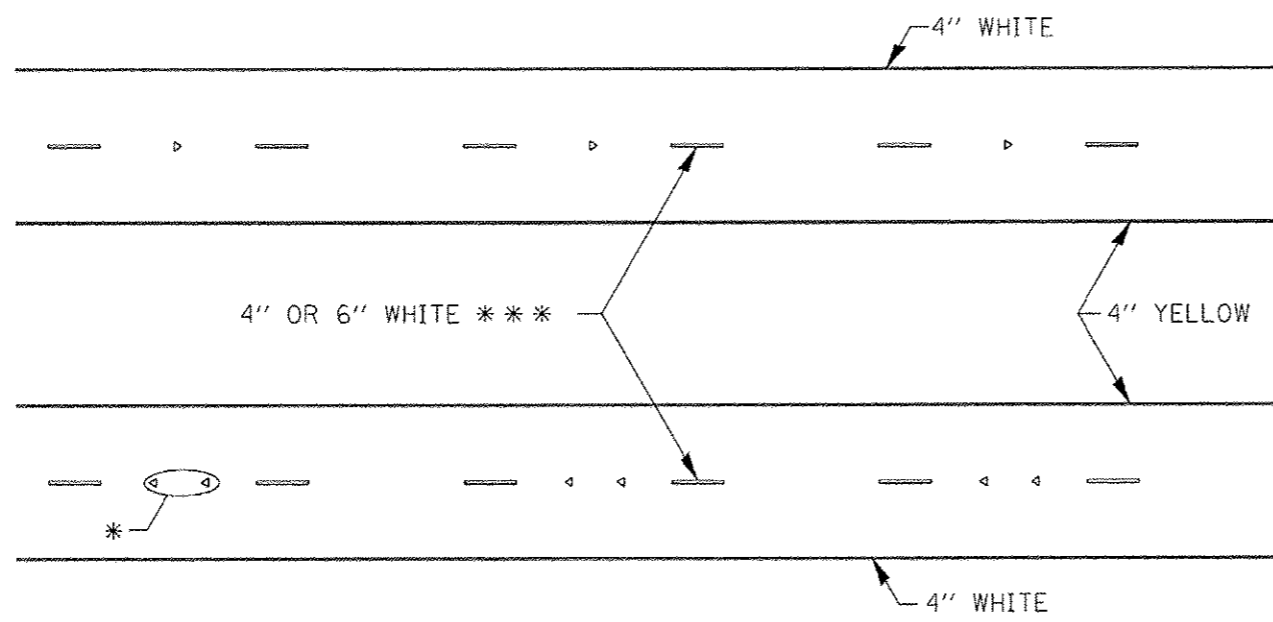
PLOT SCALE:	1:1
PLOT DATE:	1/21/2015
DRAWN BY:	KRL
CHECKED BY:	PDS
SUBMITTAL DATE:	01/23/2015

McClure
Engineering Associates, Inc.
7885 Argus Drive
Rockford, Illinois 61107-5637
(815) 398-2339 FAX (815) 398-2396
Design Firm License: Illinois 184-000816
Copyright 2012 By McClure Engineering Associates, Inc.

IDOT DISTRICT 2 HIGHWAY STANDARDS
HSIP INTERSECTION IMPROVEMENTS
N. ROCKTON AVE. AT CUSTER AVE
ROCKFORD ILLINOIS
FILE: H:\11-010 HSIP DESIGN\DESIGN\DRAWINGS\11-010 DETAILS.DWG
MEAI JOB: 04-28-11-010

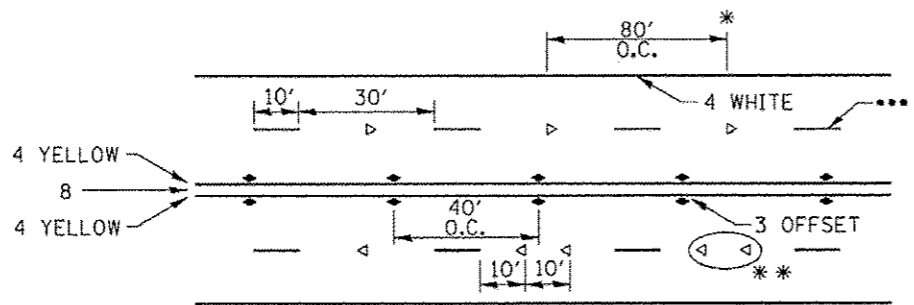
SHEET NO.
14
OF
20

TYPICAL PAVEMENT MARKINGS



* SEE HIGHWAY STANDARD 781001 FOR SPACING DETAILS. USE DOUBLE MARKERS WHEN ADT > 20,000.

MULTI-LANE / DIVIDED

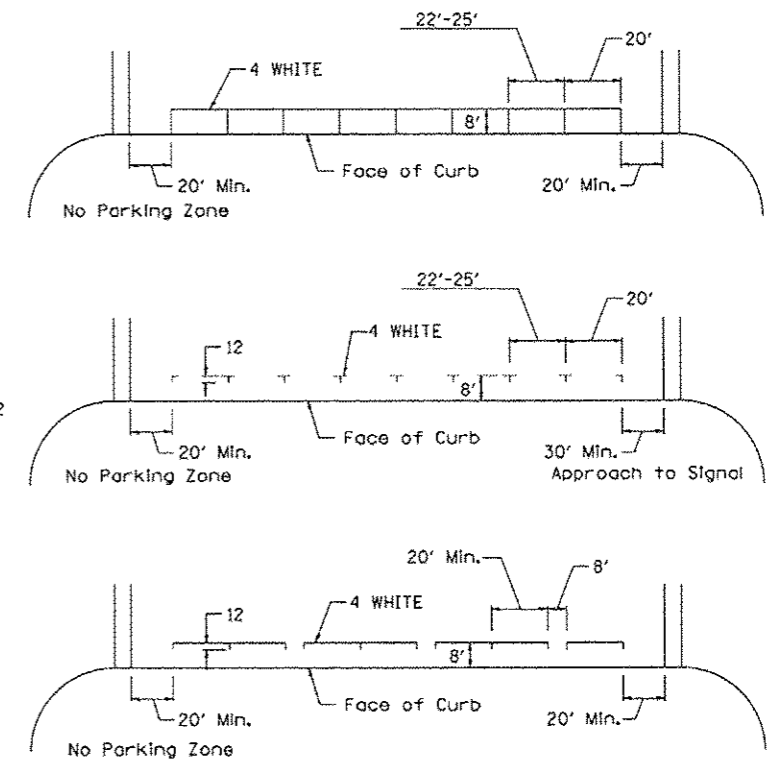


- REDUCE TO 40' O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH LOWER THAN POSTED SPEEDS.
- USE DOUBLE MARKERS WHEN ADT ≥ 20,000
- CENTERLINE SKIP DASH PAVEMENT MARKING SPEED LIMIT LESS THAN 40 MPH USE 4" LINE. SPEED LIMIT 40 MPH AND OVER USE 6" LINE.

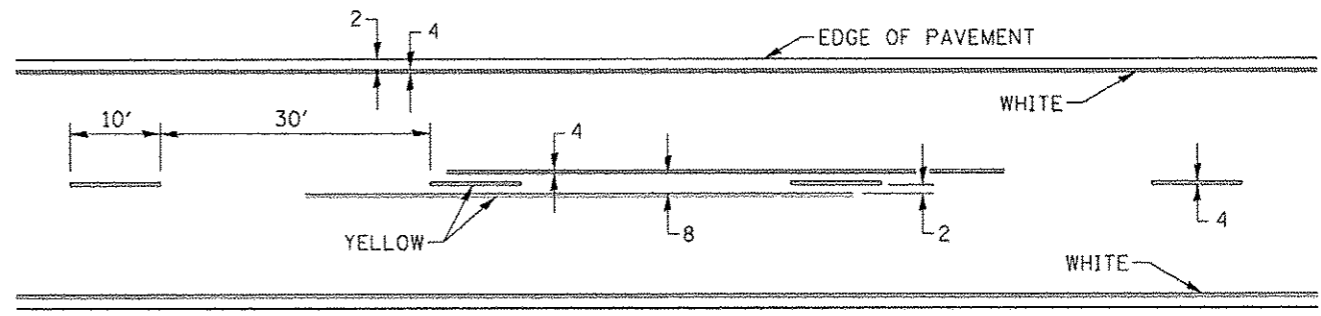
MULTI-LANE / UNDIVIDED & ONE WAY

(FOR MULTI-LANE UNDIVIDED HIGHWAYS USE THIS DETAIL NOT HIGHWAY STANDARD 781001)

TYPICAL PARKING SPACING



TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION - NO PASSING ZONES



SYMBOLS

FILE NAME District 2 Standard	USER NAME IDOT/District 2	DESIGNED -	REVISED - 6-27-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED - 8-27-13		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO.	
		PLOT SCALE 1/8" = 1'-0"	REVISED - 11-28-12		TYPICAL PAVEMENT MARKINGS SHEET 3 OF 3 41.1								
		PLOT DATE Thu Nov 13 11:29:01 2014	DATE -										

H:\1-010 NSIP Design\DESIGN\DRAWINGS\11-010 Details.dwg, IDOT -DIST 2-S, 1/21/2015 4:53:03 PM

SHEET REVIEW	
AGENCY	DATE

REVISIONS		
NO.	ITEM	DATE

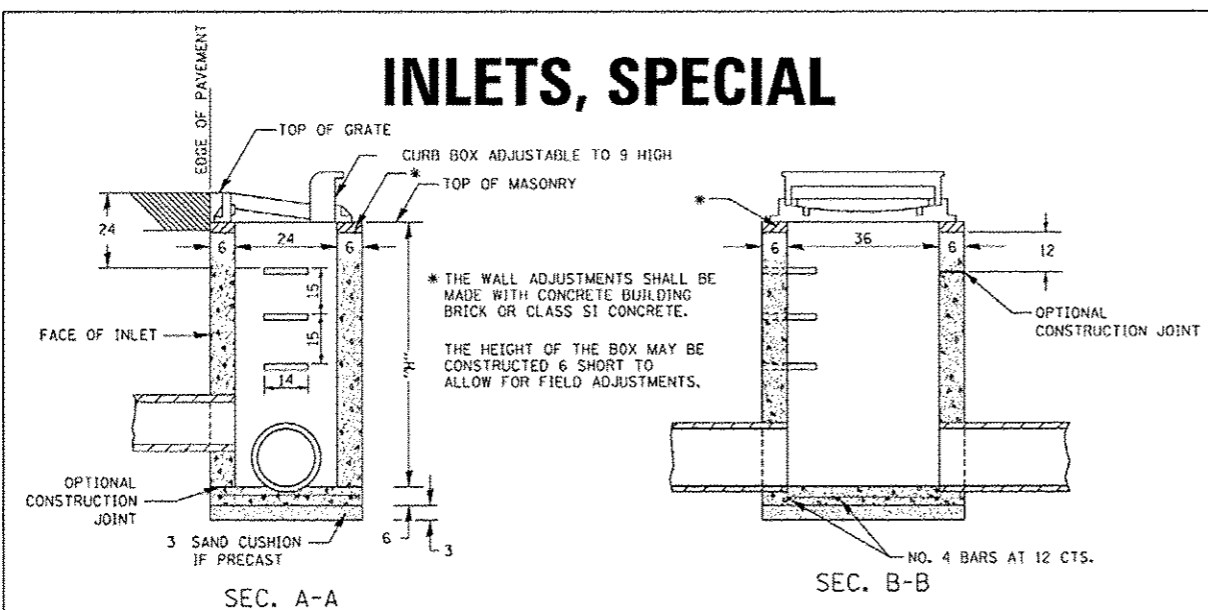
PLOT SCALE:	1:1
PLOT DATE:	1/21/2015
DRAWN BY:	KRL
CHECKED BY:	PDS
SUBMITTAL DATE:	01/21/2015

McClure
Engineering Associates, Inc.
7282 Arroyo Drive
Rockford, Illinois 61107-5837
(815) 398-2332 FAX (815) 398-2496
Design Firm License: Illinois 184-000816
Copyright 2012 By McClure Engineering Associates, Inc.

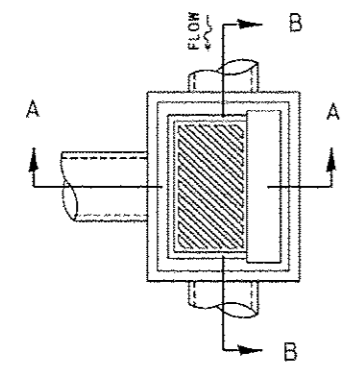
IDOT DISTRICT 2 HIGHWAY STANDARDS	
HSIP INTERSECTION IMPROVEMENTS	
N. ROCKTON AVE. AT CUSTER AVE	ROCKFORD ILLINOIS
FILE:H:\1-010 NSIP Design\DESIGN\DRAWINGS\11-010 DETAILS.DWG	MEAI JOB:04-28-II-010

SHEET NO.
15
OF
20

INLETS, SPECIAL



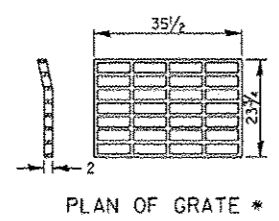
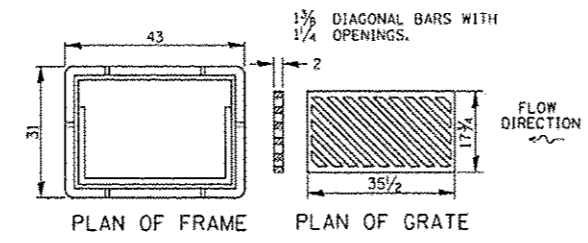
* THE WALL ADJUSTMENTS SHALL BE MADE WITH CONCRETE BUILDING BRICK OR CLASS S1 CONCRETE.
 THE HEIGHT OF THE BOX MAY BE CONSTRUCTED 6 SHORT TO ALLOW FOR FIELD ADJUSTMENTS.



NOTES
 SEE STANDARD 602701 FOR DETAILS OF STEPS.
 EXCEPT AS NOTED HEREON INLET SPECIAL SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 602 OF THE STANDARD SPECIFICATIONS.
 THE SIDE WALLS MAY BE BUILT AS PRECAST SEGMENTED SECTIONS.
 ALL VOIDS AROUND PIPE ENTRANCE, BOTH INSIDE AND OUTSIDE, SHALL BE SEALED WITH MORTAR.
 WEIGHT OF CAST IRON FRAME & GRATE = 530 LBS. ± .
 STEPS SHALL BE OMITTED WHEN DEPTH OF "H" IS LESS THAN 5 FT.

DETAIL OF FRAME & GRATE

NOTES
 CLASS S1 CONCRETE OR PRECAST CONCRETE SHALL BE USED THROUGHOUT. PRECAST CONCRETE SHALL BE IN ACCORDANCE WITH SECTION 504.01 THRU 504.05 OF THE STANDARD SPECIFICATIONS EXCEPT THAT CONCRETE STRENGTH SHALL BE 4,000 psi AFTER 28 DAYS.
 THE CONTRACT UNIT PRICE EACH FOR INLETS, SPECIAL SHALL INCLUDE THE COST OF CONSTRUCTING THE INLET BOX, FURNISHING AND INSTALLING THE FRAME AND GRATE, THE CAST IRON STEPS (IF USED), THE PRECAST FLOOR SLABS, SAND CUSHION (WHEN USED) AND REINFORCEMENT BARS.



* THIS GRATE TO BE USED WITHOUT CURB BOX WHEN INLET IS IN DRIVEWAY.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

PLOT DATE = Thu Nov 13 11:02:30 2014

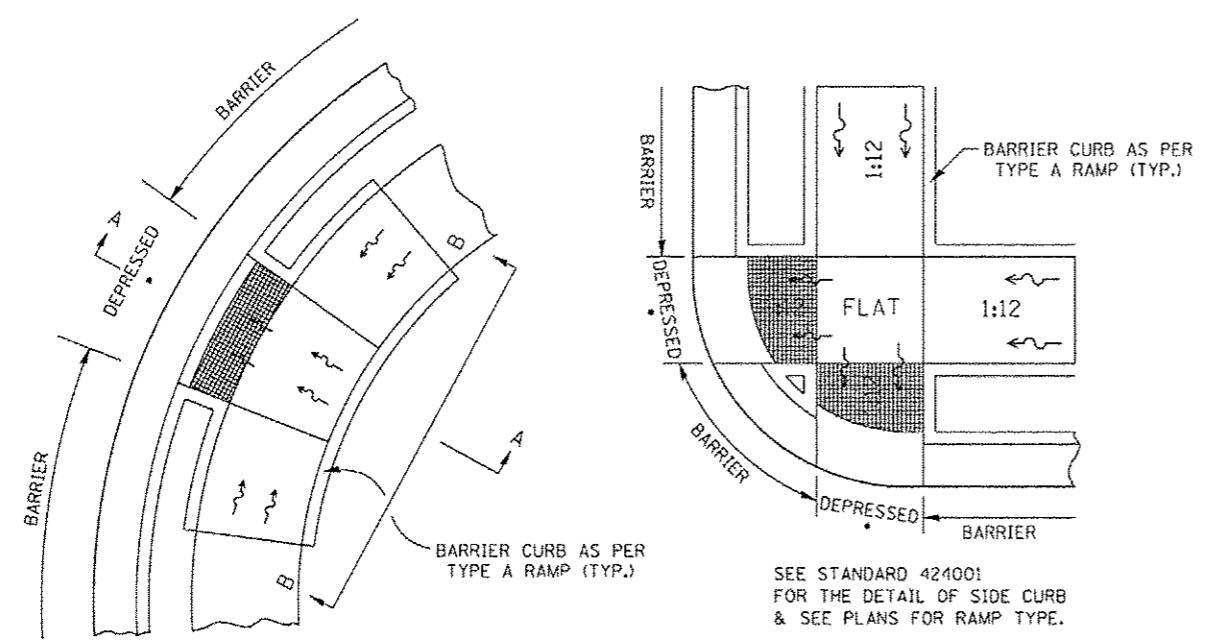
REVISED - 6-27-14	REGION 2 / DISTRICT 2 STANDARD		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED - 10-13-11	SCALE: 1/8" = 1'-0"	SHEET NO. OF SHEETS	STA. TO STA.	CONTRACT NO.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

INLETS, SPECIAL 10.2

H:\11-010 HSIP Design\DESIGN\DRAWINGS\11-010 Detail.dwg (DOT -DIST 2-6, 1/21/2015 4:54:49 PM)

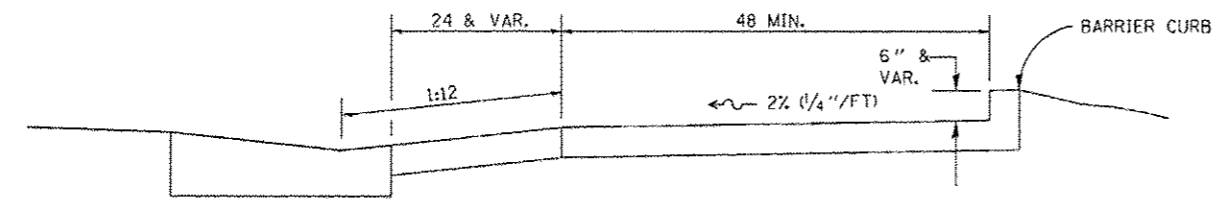
SHEET REVIEW AGENCY: _____ DATE: _____		REVISIONS NO. ITEM DATE		PLOT SCALE: 1:1 PLOT DATE: 1/21/2015 DRAWN BY: KRL CHECKED BY: PDS SUBMITTAL DATE: 01/23/2015	 7201 Arroyo Drive, Rockford, Illinois 61107-5637 (815) 398-2132, FAX (815) 398-2496 Design Firm License: Illinois 184-000816 Copyright 2012 By McClure Engineering Associates, Inc.	IDOT DISTRICT 2 HIGHWAY STANDARDS HSIP INTERSECTION IMPROVEMENTS N. ROCKTON AVE. AT CUSTER AVE ROCKFORD ILLINOIS FILE: H:\11-010 HSIP DESIGN\DESIGN\DRAWINGS\11-010 DETAILS.DWG MEAT JOB: 04-28-11-010		SHEET NO. 16 OF 20
--	--	-----------------------------------	--	---	--	--	--	-----------------------------

CURB RAMP DETAILS

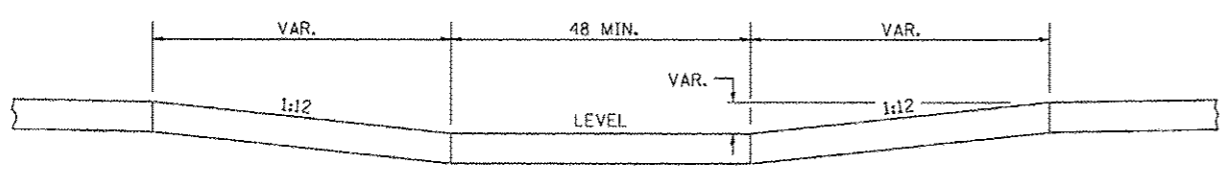


ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

• SEE NOTE BELOW



SECTION A-A



SECTION B-B

NOTES : THIS DETAIL TO BE USED IN CONJUNCTION WITH STATE STANDARD 424001. THE MAXIMUM ALLOWABLE CROSS SLOPE FOR SIDEWALK IS 2% (1/4 "/>

REVISIONS	REVISIONS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVIS 8-27-13						
REVIS 10-14-11						
REVIS						
REVIS						
SCALE: 1/8" = 1'-0"	SHEET NO. OF SHEETS	STA. TO STA.	CONTRACT NO.			

CURB RAMP DETAILS 60.2

ROUGH GROOVED SURFACE SIGN

ILLINOIS STANDARD W8-I107
SIGN PANEL TYPE 1



COLOR: LEGEND AND BORDER - BLACK NON-REFLECTIVE
BACKGROUND - ORANGE REFLECTORIZED

GENERAL NOTES

SIGN PANELS AND FACE MATERIALS SHALL BE ACCORDING TO SECTION 720 OF THE STANDARD SPECIFICATIONS. METAL POSTS SHALL BE IN ACCORDANCE WITH STD. 720011.

ALL MOUNTING HARDWARE SHALL BE ALUMINUM, STAINLESS STEEL, ZINC OR CADMIUM PLATED STEEL AND SHALL BE INCLUDED TO THE COST OF THE INSTALLATION.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

SIGN SIZE	DIMENSIONS							
	A	B	C	D	E	F	G	H
48x48	48.0	24.1	3.0	34.0	33.0	6.0	13.0	3.5

SIGN SIZE	SERIES LINES			MARGIN	BORDER	BLANK STD.
	1	2	3			
48x48	7C	7C	7C	0.8	1.2	B4-48D

ALL DIMENSIONS IN INCHES.

REVISIONS	REVISIONS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVIS 10-14-11						
REVIS						
REVIS						
REVIS						
SCALE: 1/8" = 1'-0"	SHEET NO. OF SHEETS	STA. TO STA.	CONTRACT NO.			

ROUGH GROOVED SURFACE SIGN 91.2

R:\11-010 HSP DESIGN\DRAWINGS\11-010 Details.dwg IDOT-DIST 2-7-12\12015 4:55:50 PM

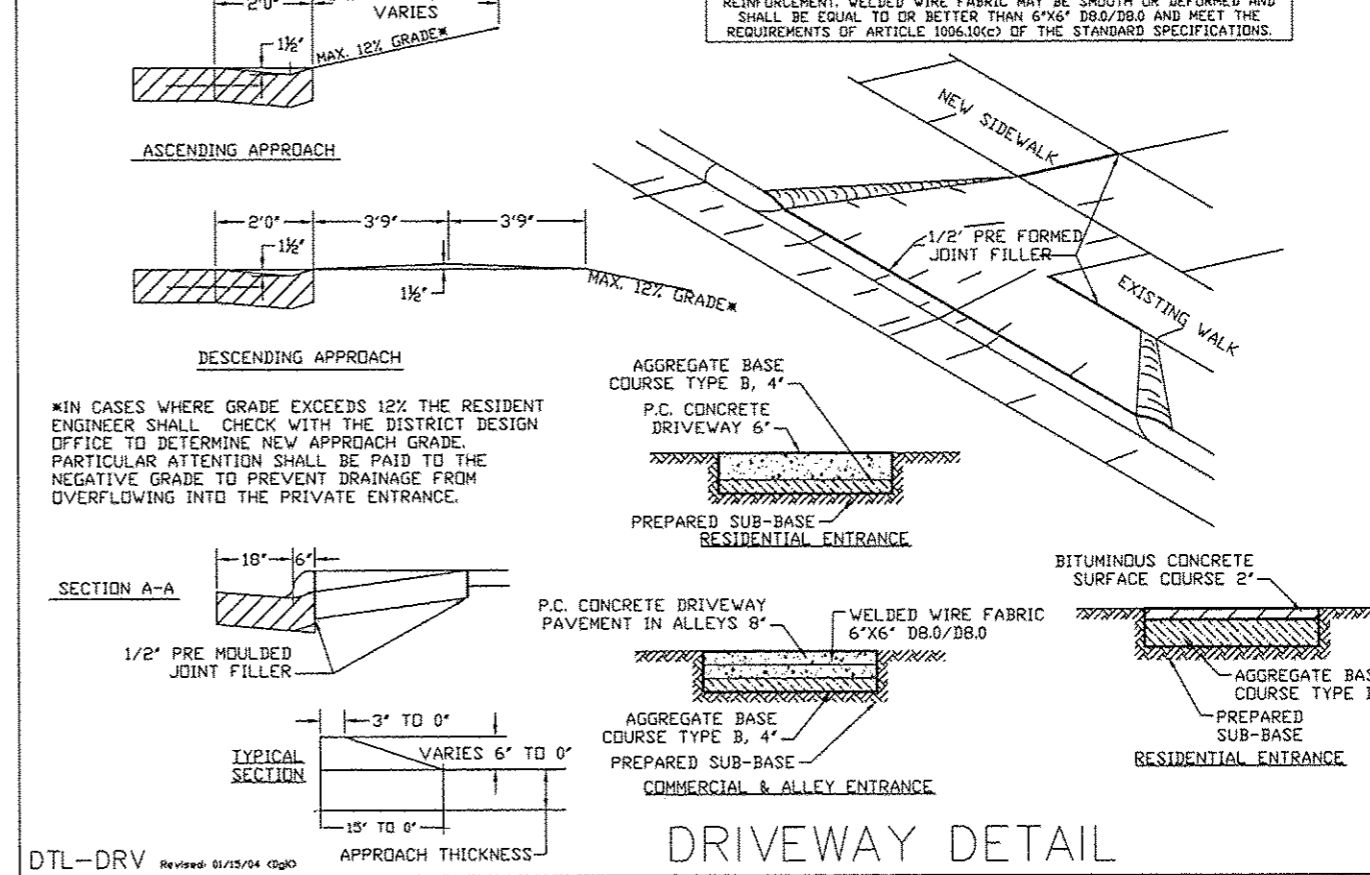
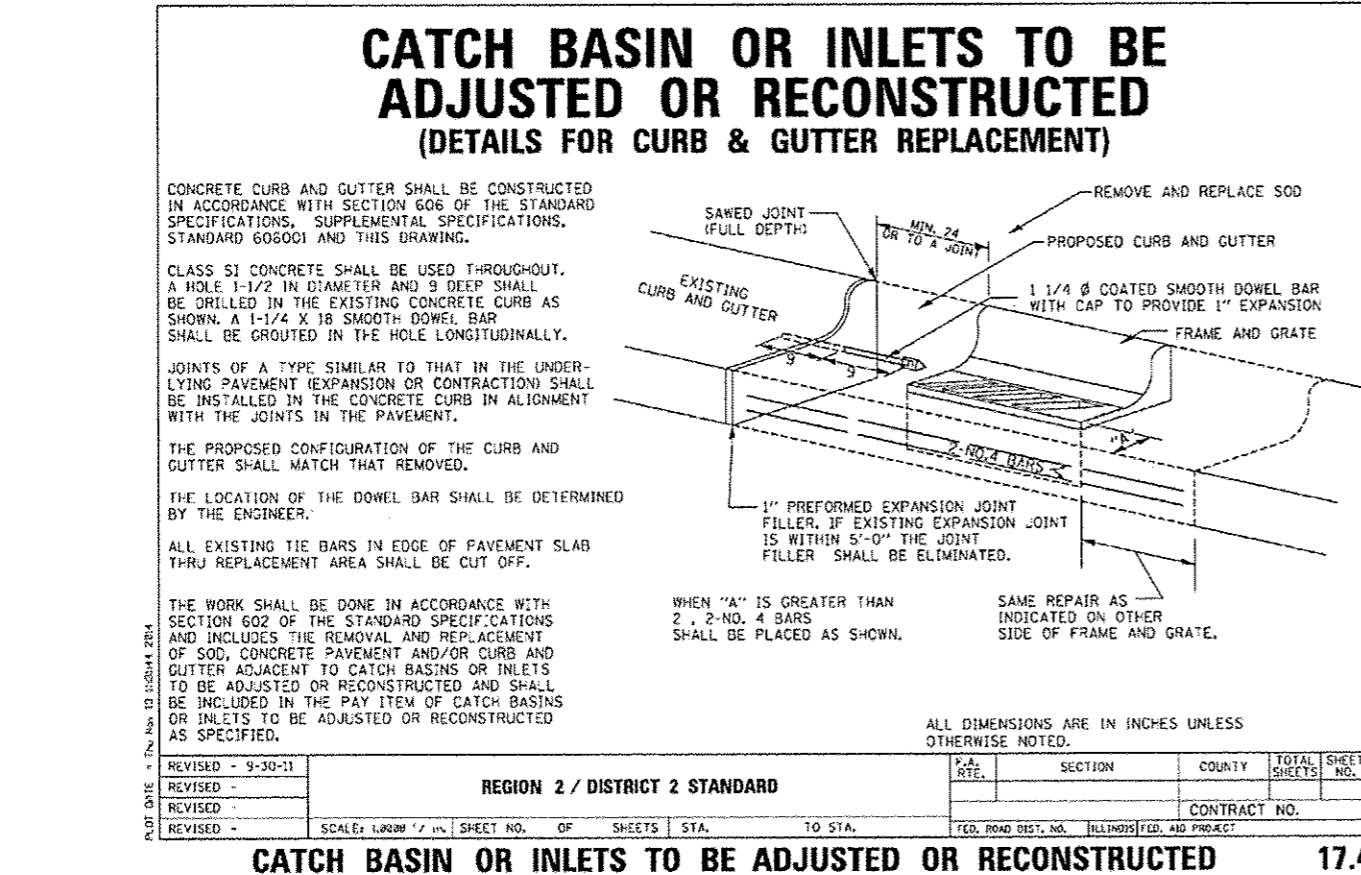
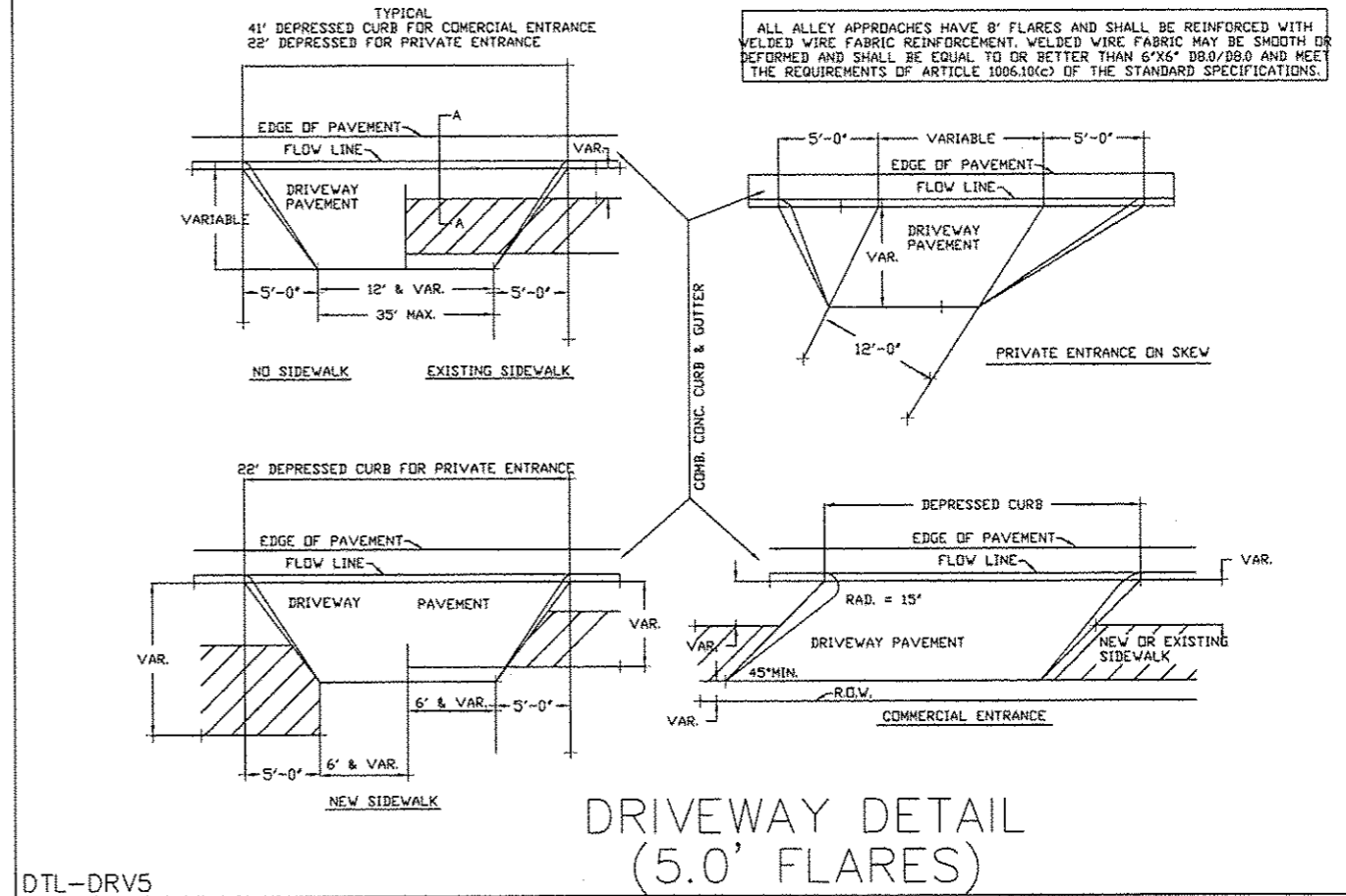
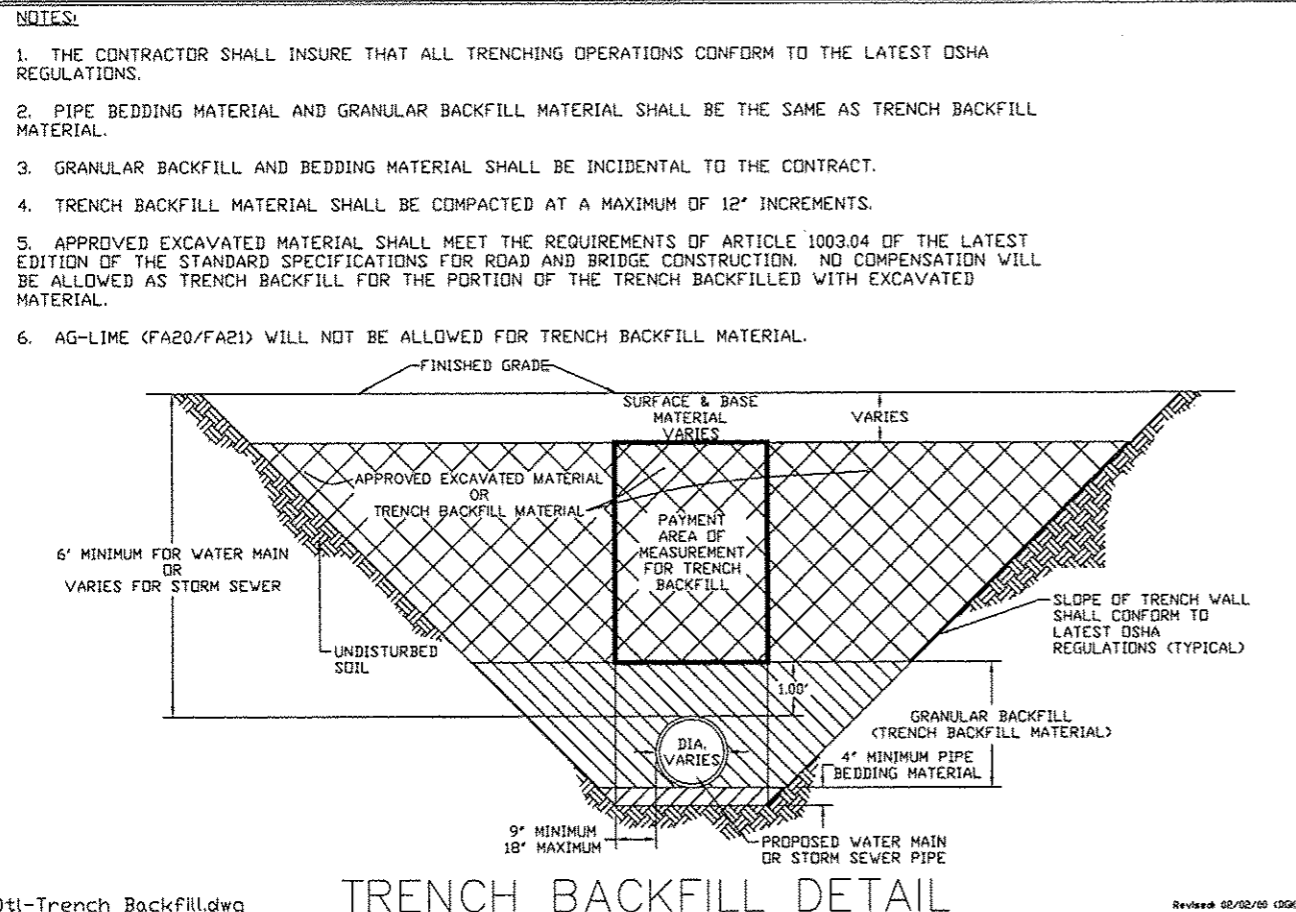
SHEET REVIEW		REVISIONS	
AGENCY	DATE	NO.	DATE

PLOT SCALE: 1:1
PLOT DATE: 1/21/2015
DRAWN BY: KRL
CHECKED BY: PDS
SUBMITTAL DATE: 01/23/2015

McClure
Engineering Associates, Inc.
7282 Argus Drive Rockford, Illinois 61107-5937
(815) 395-2332 FAX (815) 398-2498
Design Firm License: Illinois 184-000818
Copyright 2012 By McClure Engineering Associates, Inc.

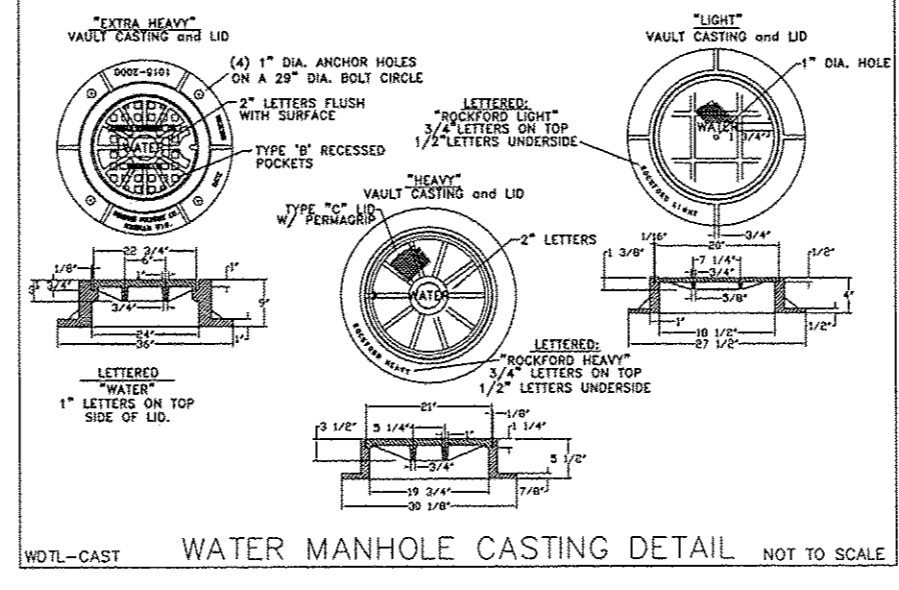
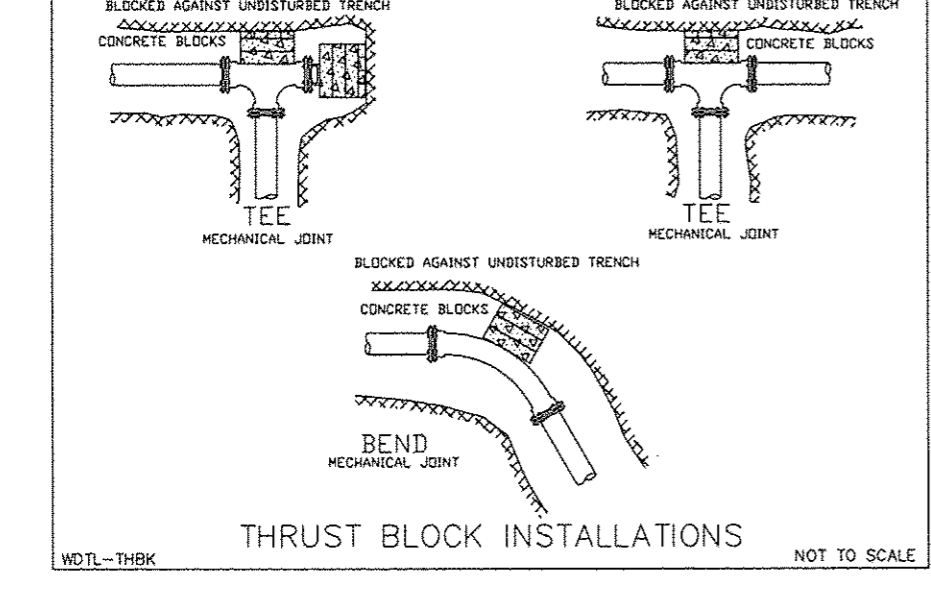
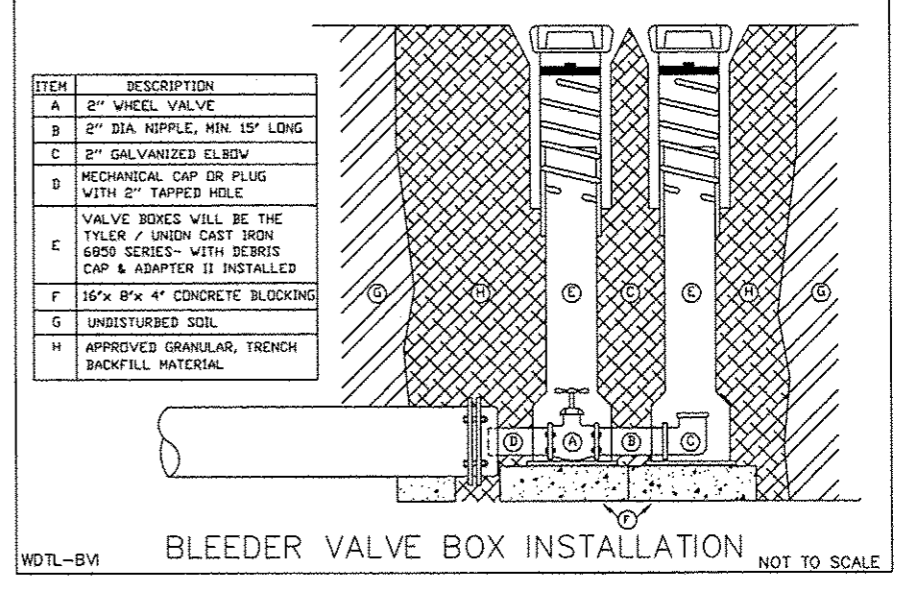
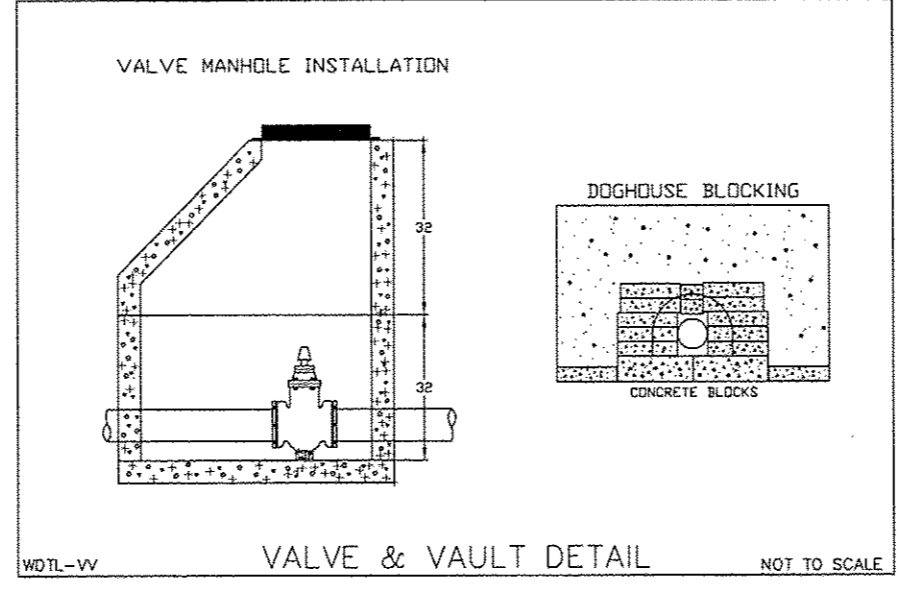
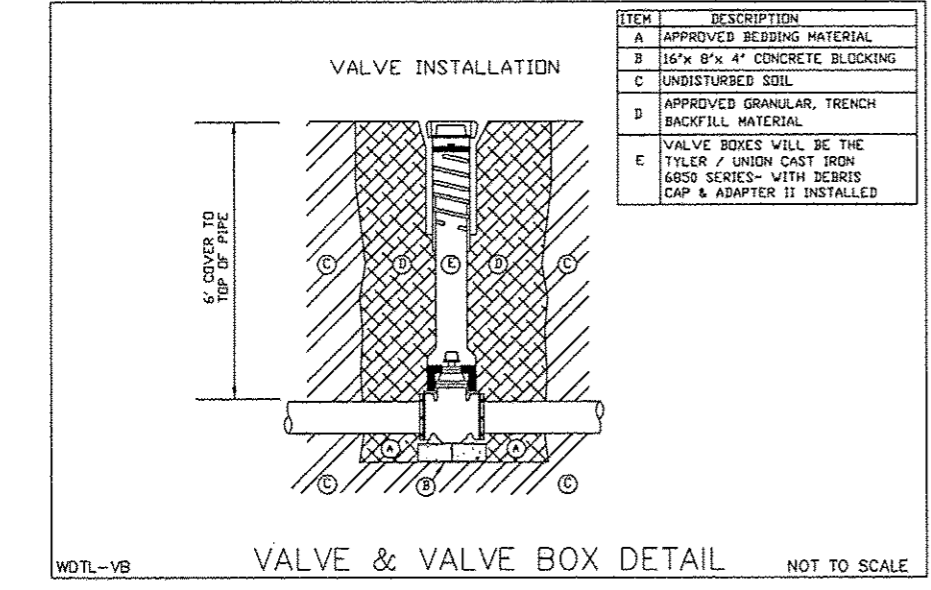
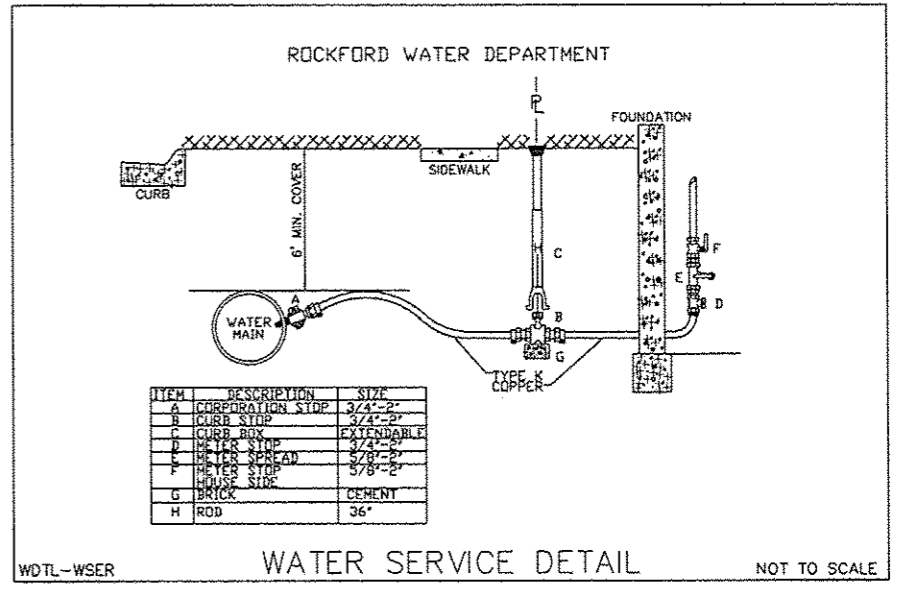
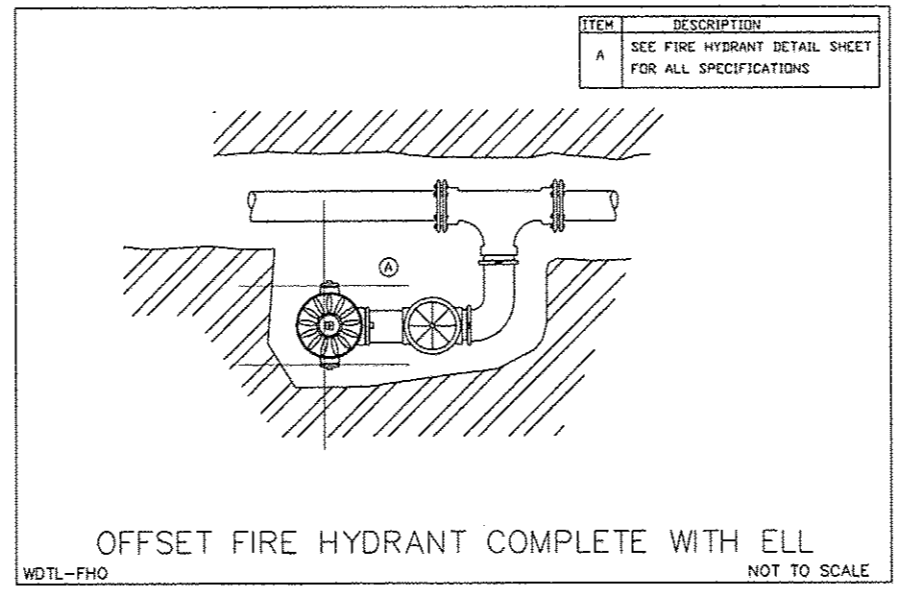
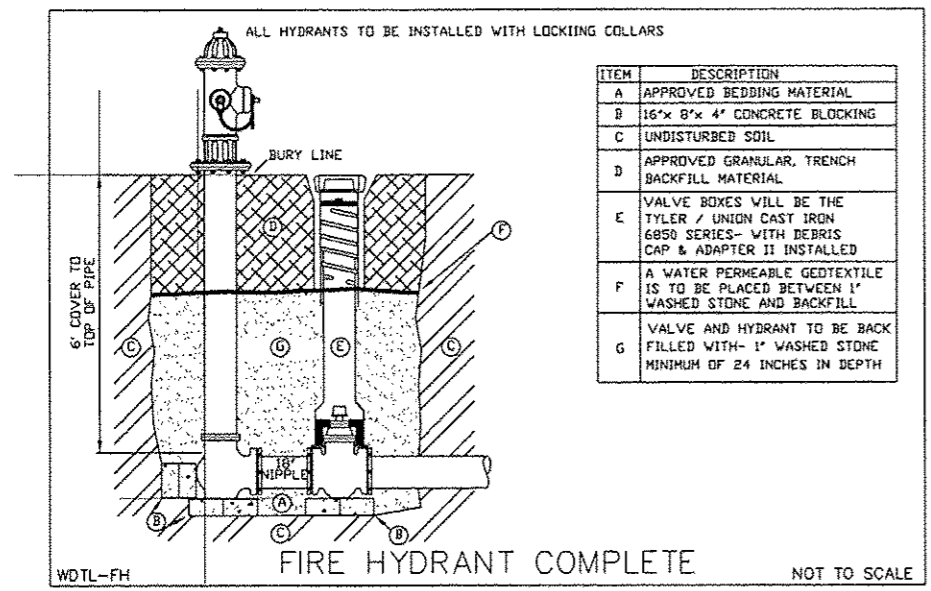
IDOT DISTRICT 2 HIGHWAY STANDARDS
HSIP INTERSECTION IMPROVEMENTS
N. ROCKTON AVE. AT CUSTER AVE. ROCKFORD ILLINOIS
FILE: H:\11-010 HSP DESIGN\DESIGN\DRAWINGS\11-010 DETAILS.DWG MEAI JOB: 04-28-11-010

SHEET NO.
17
OF
20



H:\11-010 HSP Design\DESIGN\DRAWINGS\11-010 Dtl.dwg: 1/21/2015 4:58:30 PM

<p>SHEET REVIEW</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>AGENCY</th> <th>DATE</th> </tr> <tr> <td> </td> <td> </td> </tr> </table>	AGENCY	DATE			<p>REVISIONS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NO.</th> <th>ITEM</th> <th>DATE</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	NO.	ITEM	DATE				<p>PLOT SCALE: 1/1</p> <p>PLOT DATE: 1/21/2015</p> <p>DRAWN BY: KRL</p> <p>CHECKED BY: PDS</p> <p>SUBMITAL DATE: 01/23/2015</p>	<p>McClure Engineering Associates, Inc. 7282 Arroyo Drive Rockford, Illinois 61107-5837 (815) 398-2332 FAX (815) 398-2496 Design Firm License: Illinois 184-000816 Copyright 2012 By McClure Engineering Associates, Inc.</p>	<p>IDOT D2 HWY STDS - CITY OF ROCKFORD STDS</p> <p>HSP INTERSECTION IMPROVEMENTS</p> <p>N. ROCKTON AVE. AT CUSTER AVE</p> <p>ROCKFORD ILLINOIS</p> <p>FILE: H:\11-010 HSP DESIGN\DESIGN\DRAWINGS\11-010 DETAILS.DWG</p> <p>MEAN JOB: 04-28-11-010</p>	<p>SHEET NO.</p> <p style="text-align: center;">18 OF 20</p>
AGENCY	DATE														
NO.	ITEM	DATE													



H:\11-010 HSP Design\DESIGN\DRAWINGS\11-010 Details.dwg, CITY OF ROCKFORD WATER DIVISION STANDARDS, 1/21/2015 4:59:30 PM

SHEET REVIEW		REVISIONS			PLOT SCALE: 1:1			CITY OF ROCKFORD WATER DIVISION STANDARDS		SHEET NO. 19 OF 20
AGENCY	DATE	NO.	ITEM	DATE	PLOT DATE: 1/21/2015	HSIP INTERSECTION IMPROVEMENTS N. ROCKTON AVE. AT CUSTER AVE ROCKFORD ILLINOIS				
							7282 Argo Drive Rockford, Illinois 61107-5837 (815) 398-2532 Design Firm License: Illinois 124-000816 Copyright 2012 By McClure Engineering Associates, Inc.	FILE:H:\11-010 HSP DESIGN\DESIGN\DRAWINGS\11-010 DETAILS.DWG MEAI JOB: 04-28-II-010		

