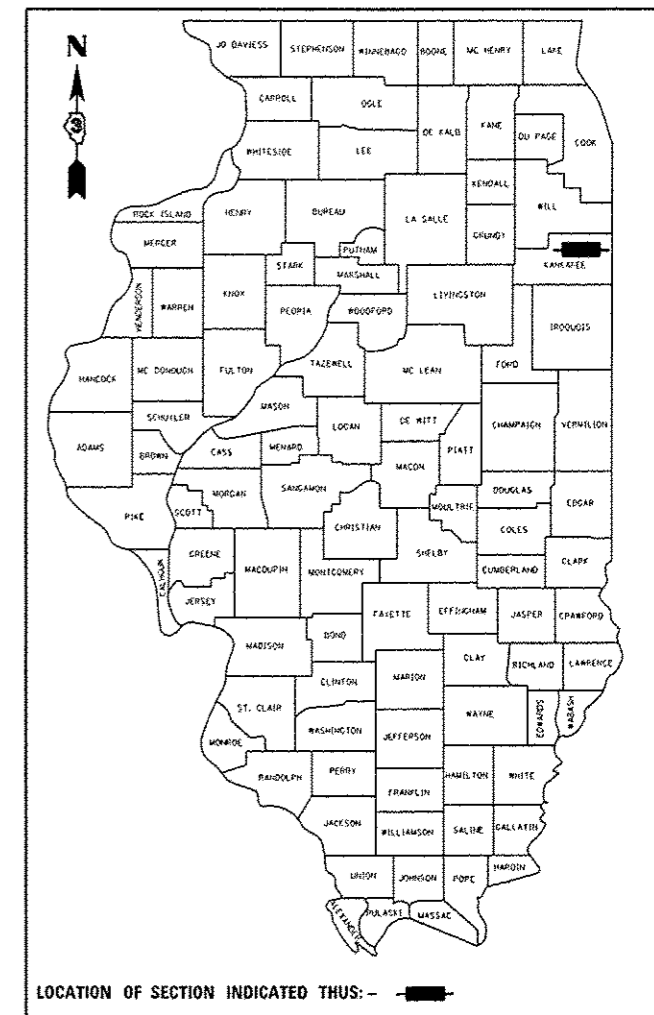


STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
**PROPOSED
 HIGHWAY PLANS**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	(140)N, TS-3	KANKAKEE	29	1
		ILLINOIS	CONTRACT NO. 66C32	

D-93-027-12



LOCATION OF SECTION INDICATED THUS: - [Black Box] -

FAP ROUTE 840 (IL 50)
 SECTION (140)N, TS-3
 PROJECT : ACF-0840(066)
 TRAFFIC SIGNAL MODERNIZATION & WIDENING
 KANKAKEE COUNTY

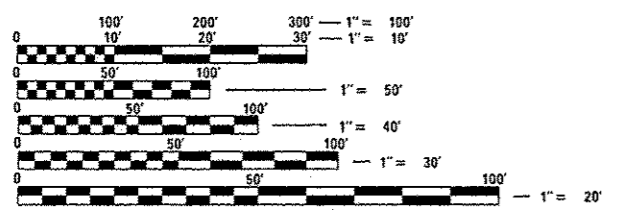
C-93-128-12

INDEX OF SHEETS

1	COVER SHEET
2	GENERAL NOTES, STANDARDS
3- 10	SUMMARY OF QUANTITIES
11-12	TYPICAL SECTIONS
13	SCHEDULES
14	ALIGNMENT SHEET
15	SIGNALS GENERAL NOTES, QUANTITIES
16	SIGNAL SCHEDULES
17	TRAFFIC SIGNAL PLAN
18	CABLE PLAN
19-20	MAST ARM ASSEMBLY DETAILS
21	PAVEMENT MARKING SHEET
22	R.O.W. SHEET
23-24	CADD DETAILS
25-27	CROSS-SECTIONS LARRY POWER RD. WEST
28-29	CROSS-SECTIONS IL 50 SOUTH

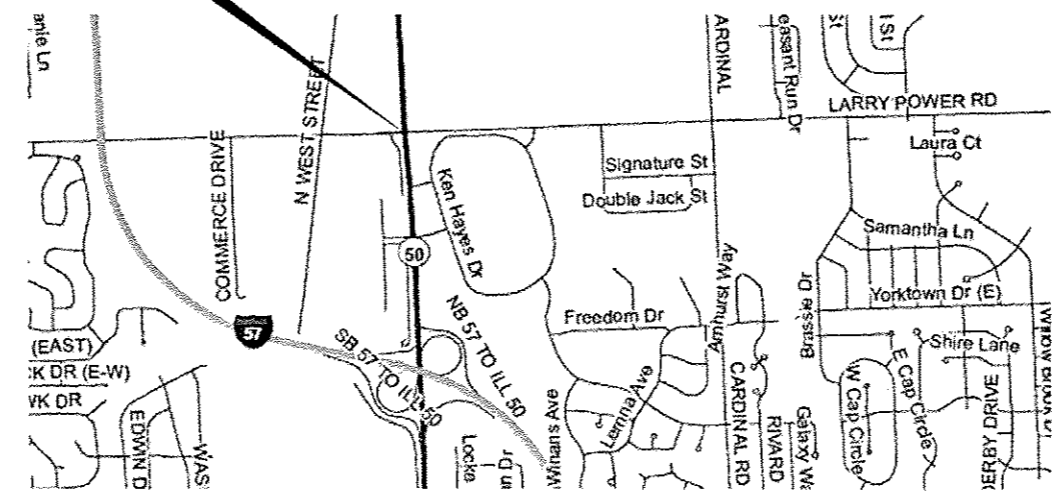
FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

PROJECT LOCATION
 STA. 2+89.34 IL 50
 & LARRY POWER RD.



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

J.U.L.I.E.
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
 1-800-892-0123
 OR 811



IL 50 - OTHER PRINCIPAL ARTERIAL
 LARRY POWER RD EAST - URBAN COLLECTOR
 LARRY POWER RD WEST - MINOR URBAN ARTERIAL

	2010 ADT	SU	MU	PV
IL 50	21700	750	400	20550
LARRY POWER RD EAST	3800	200	125	3475
LARRY POWER RD WEST	8200	725	125	7350

PROJECT ENGINEER: JOE KANNEL, P.E.
 UNIT CHIEF: SCOTT A. FERGUSON, P.E.

GROSS & NET LENGTH = SPOT INTERSECTION IMPROVEMENT

CONTRACT NO. 66C32

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED 8/27/2012

John D. Baramelli P.E.
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

October 5 2012
William R. Freyler
 acting ENGINEER OF DESIGN AND ENVIRONMENT

October 5 2012
William R. Freyler
 acting DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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

STANDARDS

- 000001-04 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 353001-04 PCC BASE COURSE WITH HMA BINDER AND SURFACE COURSES
- 482001-02 HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
- 602001-02 CATCH BASIN TYPE A
- 602301-03 INLET TYPE A
- 602401-04 MANHOLE TYPE A
- 604006-04 FRAME & GRATE TYPE 3
- 604036-02 GRATE TYPE B
- 606001-04 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
- 606301-04 PC CONCRETE ISLANDS AND MEDIANS
- 701206-03 LANE CLOSURE, 2L, 2W, NIGHT ONLY, FOR SPEEDS > 45MPH
- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701501-06 URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
- 701701-08 URBAN LANE CLOSURE, MULTILANE INTERSECTION
- 701901-02 TRAFFIC CONTROL DEVICES
- 720016-03 MAST ARM MOUNTED STREET NAME SIGNS
- 780001-03 TYPICAL PAVEMENT MARKINGS
- 782001 PRISMATIC CURB REFLECTORS
- 805001-01 ELECTRICAL SERVICE INSTALLATION DETAILS
- 814001-02 HANDHOLES
- 814006-02 DOUBLE HANDHOLES
- 825021-02 LIGHTING CONTROLLER, BASE MOUNTED 240V
- 857001-01 STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
- 862001-01 UNINTERRUPTIBLE POWER SUPPLY (UPS)
- 873001-02 TRAFFIC SIGNAL GROUNDING & BONDING
- 877001-05 STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
- 877011-05 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
- 878001-04 CONCRETE FOUNDATION DETAILS
- 880006-01 TRAFFIC SIGNAL MOUNTING DETAILS
- 886001-01 DETECTOR LOOP INSTALLATIONS

- 11. ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUB NUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.
- 12. THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

AGGREGATE (PRIME COAT)	0.002	TONS / SQ YD
HMA RESURFACING	112	LBS / SQ YD / IN
SHORT TERM PAVEMENT MARKING	10	FT / 100 FT OF APPLICATION
MIX FOR CRACKS, JTS & FLGWYS	0.0003	TONS / SQ YD
LEVEL BINDER (HAND METHOD)	0.0005	TONS / SQ YD
SUPPLEMENTAL WATERING	3	GAL / SQ YD / APPLICATION
BITUMINOUS MATERIALS (PRIME COAT) RATES		
SURFACE TYPE	ESTIMATED TRUCK APPLICATION RATE	RESIDUAL RATE
MILLED HMA OR PCC PAVEMENT	0.08 GAL / SQ YD	0.04 GAL / SQ YD
EXISTING PAVEMENT	0.05 GAL / SQ YD	0.025 GAL / SQ YD
FOC COAT (BETWEEN ADDITIONAL HMA LIFTS)	0.05 GAL / SQ YD	0.025 GAL / SQ YD

ESTIMATED TRUCK APPLICATION RATE USED FOR CALCULATING PLAN QUANTITIES

- 13. ALL DAMAGE TO DEPARTMENT OWNED UNDERGROUND FACILITIES, CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE SATISFACTION OF THE DEPARTMENT AT THE CONTRACTOR'S EXPENSE. THIS SHALL INCLUDE ALL TEMPORARY REPAIRS REQUIRED TO KEEP THE FACILITY OPERATIONAL WHILE MATERIAL IS BEING OBTAINED TO MAKE PERMANENT REPAIRS. SPLICING OF ELECTRIC CABLE SHALL NOT BE ALLOWED. ELECTRIC CABLE SHALL BE REPLACED FROM POLE TO POLE OR CONTROLLER.
- 14. THE WORK REQUIRED TO CONNECT ANY SEWER TO AN EXISTING DRAINAGE STRUCTURE OR PIPE WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE BID FOR THE SEWER ITEMS.
- 15. MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE:

AT&T
AQUA IL
BUCKEYE PARTNERS, L.P.
COMED, AN EXELON COMPANY
COMCAST CABLE
NICOR GAS
VILLAGE OF BOURBONNAIS
VILLAGE OF BRADLEY
- 16. NON-MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE: NONE
- 17. THE CONTRACTOR SHALL CONTACT JULIE AT LEAST 48 HOURS PRIOR TO EXCAVATION TO DETERMINE WHICH UTILITIES ARE IN THE AREA.
- 18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. A MINIMUM OF 48 HOURS ADVANCED NOTICE IS REQUIRED FOR NON-EMERGENCY WORK THE JULIE NUMBER IS 800-892-0123.
- 19. ALL TRAFFIC CONTROL AND OTHER ADVISORY SIGNS NEEDED FOR CONSTRUCTION ARE TO BE FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH SECTION 701 OF THE STANDARD SPECIFICATIONS.
- 20. THE CONTRACTOR IS REQUIRED TO MAKE SURE ALL EXCAVATED MATERIAL REMAINS ON SITE.

GENERAL NOTES

- 1. THE THICKNESS OF HMA SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA IS PLACED.
- 2. THE HMA SURFACE OF ALL MAILBOX TURNOUTS, PRIVATE ENTRANCES, COMMERCIAL ENTRANCES, AND SIDE ROADS SHALL BE MADE NEATLY, IN A WORKMANLIKE MANNER, AND SHALL ACCURATELY CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. IF REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL BE REQUIRED TO SAW CUT THE HMA SURFACE TO CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. THIS WORK SHALL BE INCLUDED IN THE COST OF THE HMA SURFACE.
- 3. EXCEPT AS NOTED ON THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.
- 4. THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.
- 5. SEEDING SHALL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SEEDED WILL BE DETERMINED BY THE ENGINEER.
- 6. ONLY THOSE TREES DESIGNATED BY THE ENGINEER OR LISTED IN THE TREE REMOVAL SCHEDULE SHALL BE REMOVED. THE CONTRACTOR SHALL PROTECT ALL REMAINING TREES FROM DAMAGE DUE TO HIS OPERATIONS.
- 7. THE FINISHED EARTHWORK SHALL HAVE A VEGETATION SUSTAINING SOIL COVERING THE TOP FOUR INCHES (100 MILLIMETERS) IN AREAS TO BE SEEDED OR SODDED. THE VEGETATION SUSTAINING SOIL REQUIRED WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF SODDING.
- 8. ON EXISTING PAVEMENT WHICH MAY BE SUPER ELEVATED, THE NEW HMA PAVEMENT SHALL BE BUILT WITH THE SAME SUPER ELEVATION UNLESS NEW SUPER ELEVATION RATES ARE GIVEN ON THE PLANS.
- 9. ALL ELEVATIONS REFERRING TO U.S.G.S. MEAN SEA LEVEL DATUM.
- 10. ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE

REVIEWED BY: Don Beonil
DISTRICT STUDIES & PLANS ENGINEER

DATE: 8-24-12

EXAMINED BY: Herb Jung
DISTRICT CONSTRUCTION ENGINEER

Wagner Phillips
DISTRICT MATERIALS ENGINEER

Bruce A. Huesker
DISTRICT OPERATIONS ENGINEER

FILE NAME * C:\p\work\p\idat\mofaddenka\0304617\166C32.rht:covar.dgn	USER NAME * mofaddenka	DESIGNED - DRAWN -	REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		GENERAL NOTES, STANDARDS AND SIGNATURE BLOCK SHEET				F.A.P. RTE. 840	SECTION (140)N, TS-3	COUNTY KANKAKEE	TOTAL SHEETS 29	SHEET NO. 2
PLOT SCALE * 100.0000' / 1" =		CHECKED -	REVISED -	SCALE:		SHEET NO.	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT CONTRACT NO. 66C32			
PLOT DATE * 8/24/2012		DATE -	REVISED -											

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE				
				80% FED. 20% STATE ROADWAY 0004	BOURBONNAIS 100% ROADWAY 0004	BRADLEY 100% ROADWAY 0004	STATE-80% BOURBONNAIS- 10% BRADLEY- 10% TRAFFIC SIGNALS 0021	BOURBONNAIS- 50% BRADLEY- 50% PRE-EMPTION & LIGHTING 0021
20200100	EARTH EXCAVATION	CU YD	136.5	136.5				
25000300	SEEDING, CLASS 3	ACRE	0.1		0.1			
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	8		8			
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	8		8			
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	8		8			
25100115	MULCH, METHOD 2	ACRE	0.1		0.1			
25200100	SODDING	SQ YD	299	299				
25100100	SUPPLEMENTAL WATERING	UNIT	10	10				
20800150	TRENCH BACKFILL	CU YD	18		18			
28100205	STONE RIPRAP, CLASS A3	TON	4		4			
31100300	SUBBASE GRANULAR MATERIAL, TYPE A 4"	SQ YD	494	100	394			
35400200	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 7"	SQ YD	50		50			
35600704	HOT-MIX ASPHALT BASE COURSE WIDENING, 7"	SQ YD	85		85			
40600115	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)	GALLON	950	401.7	244.1	304.2		

* SPECIAL PROVISION

▲ SPECIALITY ITEM

FILE NAME *	USER NAME * mcfaddenka	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAP 840 (IL 50) SUMMARY OF QUANTITIES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwwork\pwwork\mcfaddenka\0304517\0356632\shs-cover.dgn		DRAWN -	REVISED -		SCALE: N.T.S.	SHEET NO.	OF SHEETS	STA.	TO STA.	KANKAKEE	29	3
PLOT SCALE * 1/8" = 1' / IN.		CHECKED -	REVISED -							ILLINOIS FED. AID PROJECT		
PLOT DATE * 9/5/2012		DATE -	REVISED -							CONTRACT NO. 66C32		

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE				
				80% FED 20% STATE ROADWAY 0004	BOURBONNAIS 100% ROADWAY 0004	BRADLEY 100% ROADWAY 0004	STATE-80% BOURBONNAIS- 10% BRADLEY- 10% TRAFFIC SIGNALS 0021	BOURBONNAIS- 50% BRADLEY- 50% PRE-EMPTION & LIGHTING 0021
40600845	POLYMERIZED LEVELING BINDER (MACHINE METHOD), N90	TON	409	173.0	105.1	130.9		
40600990	TEMPORARY RAMP	SO YD	103	70.5	12.5	20		
40603545	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	TON	615	260.1	158.1	196.8		
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	19		19			
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SO YD	7308	3091.3	1878.1	2338.6		
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	172	93	79			
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SO YD	193		193			
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SO YD	245		245			
50800105	REINFORCEMENT BARS	POUND	45		45			
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	32		32			
550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	15		15			
550A0140	STORM SEWERS, CLASS A, TYPE 1 30"	FOOT	6		6			
54248510	CONCRETE COLLAR	CU YD	1		1			
60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	1		1			

URBAN

* SPECIAL PROVISION

▲ SPECIALITY ITEM

URBAN

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE				
				80% FED - 20% STATE ROADWAY 0004	BOURBONNAIS 100% ROADWAY 0004	BRADLEY 100% ROADWAY 0004	STATE-80% BOURBONNAIS- 10% BRADLEY- 10% TRAFFIC SIGNALS 0021	BOURBONNAIS- 50% BRADLEY- 50% PRE-EMPTION & LIGHTING 0021
60206602	CATCH BASINS, TYPE B, TYPE 8 GRATE	EACH	1		1			
60218800	MANHOLES, TYPE A 4'- DIAMETER, TYPE 5 FRAME, CLOSED LID	EACH	1		1			
60235700	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	EACH	1		1			
60500040	REMOVING MANHOLES	EACH	1		1			
60500060	REMOVING INLETS	EACH	1		1			
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	345	268	77			
60625600	ISLAND PAVEMENT (6")	SO YD	2		2			
67100100	MOBILIZATION	LSUM	1	0.34	0.33	0.33		
70100455	TRAFFIC CONTROL AND PROTECTION, STANDARD 701206	LSUM	1	0.34	0.33	0.33		
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	LSUM	1	0.34	0.33	0.33		
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	LSUM	1	0.34	0.33	0.33		
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	20	6.6	6.7	6.7		
70200100	NIGHTTIME WORK ZONE LIGHTING	LSUM	1	0.34	0.33	0.33		
70300100	SHORT TERM PAVEMENT MARKING	FOOT	5093	2154.3	1629.8	1308.9		

* SPECIAL PROVISION
* SPECIALITY ITEM

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE				
				80% FED. 20% STATE ROADWAY 0004	BOURBONNAIS 100% ROADWAY 0004	BRADLEY 100% ROADWAY 0004	STATE-80% BOURBONNAIS- 10% BRADLEY- 10% TRAFFIC SIGNALS 0021	BOURBONNAIS- 50% BRADLEY- 50% PRE-EMPTION & LIGHTING 0021
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	141	60	45	36		
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	7250	3067	2320	1863		
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	695	294.0	222.4	178.6		
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	908	384	290.6	233.4		
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	106	45	34	27		
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	160	68	51	41		
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	561	237.3	179.5	144.2		
72000100	SIGN PANEL - TYPE 1	SO FT	20		10.0	10.0		
72000200	SIGN PANEL - TYPE 2	SO FT	60		30	30		
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	141	60	45	36		
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	7250	3066.75	2320	1863.25		
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	695	294	222	179		
78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	908	384	291	233		
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	106	45	34	27		

URBAN

* SPECIAL PROVISION
▲ SPECIALITY ITEM

FILE NAME *	USER NAME * mcfaddenka	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAP 840 (IL 50) SUMMARY OF QUANTITIES				F.A.P. RTE. 840	SECTION (140N, TS-3)	COUNTY KANKAKEE	TOTAL SHEETS 29	SHEET NO. 6
c:\pwork\pwork\mcfaddenka\8384617\66632-shr-cover.dgn		DRAWN -	REVISED -		SCALE: N.T.S.	SHEET NO.	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 66C32		
		CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT								
		DATE - 9/5/2012	REVISED -										

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE				
				80% FED, 20% STATE ROADWAY 0004	BOURBONNAIS 100% ROADWAY 0004	BRADLEY 100% ROADWAY 0004	STATE-80% BOURBONNAIS- 10% BRADLEY- 10% TRAFFIC SIGNALS 0021	BOURBONNAIS- 50% BRADLEY- 50% PRE-EMPTION & LIGHTING 0021
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	160	68	51	41		
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	85	85				
78200300	PRISMATIC CURB REFLECTOR	EACH	6		6			
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	85	85				
* 81028240	UNDERGROUND CONDUIT GALVANIZED STEEL, 4" DIA.	FOOT	344				344	
* 81028320	UNDERGROUND CONDUIT, PVC, 1" DIA	FOOT	52				52	
* 81028350	UNDERGROUND CONDUIT PVC, 2" DIA.	FOOT	52				52	
* 81028360	UNDERGROUND CONDUIT, PVC 2 1/2" DIA.	FOOT	633				633	
* 81028370	UNDERGROUND CONDUIT PVC, 3" DIA.	FOOT	84				84	
* 81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	4				4	
* 81400720	DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1				1	
81702450	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 10	FOOT	659					659
82102250	LUMINAIRE, SODIUM VAPOR, HIGH MAST HORIZONTAL MOUNT, 250 WATT	EACH	4					4
* 85000300	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	LSUM	1				1	

* SPECIAL PROVISION
▲ SPECIALITY ITEM

FILE NAME *	USER NAME * mcfeddanko	DESIGNED -	REVISED -
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PLOT SCALE * 1/80.0115 1/ in.		CHECKED -	REVISED -
PLOT DATE * 9/5/2012		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 840 (IL 50) SUMMARY OF QUANTITIES			
SCALE: N.T.S.	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	(140N, TS-3)	KANKAKEE	29	7
CONTRACT NO. 66C32				
ILLINOIS FED. AID PROJECT				

Rev.

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE				
				80% FED. 20% STATE ROADWAY <i>0004</i>	BOURBONNAIS 100% ROADWAY <i>0004</i>	BRADLEY 100% ROADWAY <i>0004</i>	STATE-80% BOURBONNAIS- 10% BRADLEY- 10% TRAFFIC SIGNALS 0021	BOURBONNAIS- 50% BRADLEY- 50% PRE-EMPTION & LIGHTING 0021
86200300	UNINTERRUPTIBLE POWER SUPPLY, EXTENDED	EACH	1				1	
86400100	TRANSCEIVER - FIBER OPTIC	EACH	3				3	
87100020	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	1127				1127	
87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	1127				1127	
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2187				2187	
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1684				1684	
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1654				1654	
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1639				1639	
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE NO. 6 2C	FOOT	75				75	
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1073				1073	
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	3				3	
87702940	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT.	EACH	1				1	
87702950	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT.	EACH	1				1	
87702960	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT.	EACH	1				1	

URBAN

- SPECIAL PROVISION
- ▲ SPECIALITY ITEM

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				80% FED. 20% STATE	BOURBONNAIS 100%	BRADLEY 100%	STATE-80% BOURBONNAIS- 10% BRADLEY- 10%	BOURBONNAIS- 50% BRADLEY- 50%	
				ROADWAY 0004	ROADWAY 0004	ROADWAY 0004	TRAFFIC SIGNALS 0021	PRE-EMPTION & LIGHTING 0021	
87702985	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 52 FT.	EACH	1				1		
87800115	CONCRETE FOUNDATION, TYPE A	EACH	2				2		
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4				4		
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	54				54		
87900200	DRILL EXISTING HANDHOLE	EACH	4				4		
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2				2		
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	6				6		
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4				4		
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	4				4		
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	16				16		
88500100	INDUCTIVE LOOP DETECTOR	EACH	14				14		
88600100	DETECTOR LOOP, TYPE I	FOOT	3443				3443		
88700200	LIGHT DETECTOR	EACH	4					4	
88700300	LIGHT DETECTOR AMPLIFIER	EACH	4					4	

* SPECIAL PROVISION
 ▲ SPECIALITY ITEM

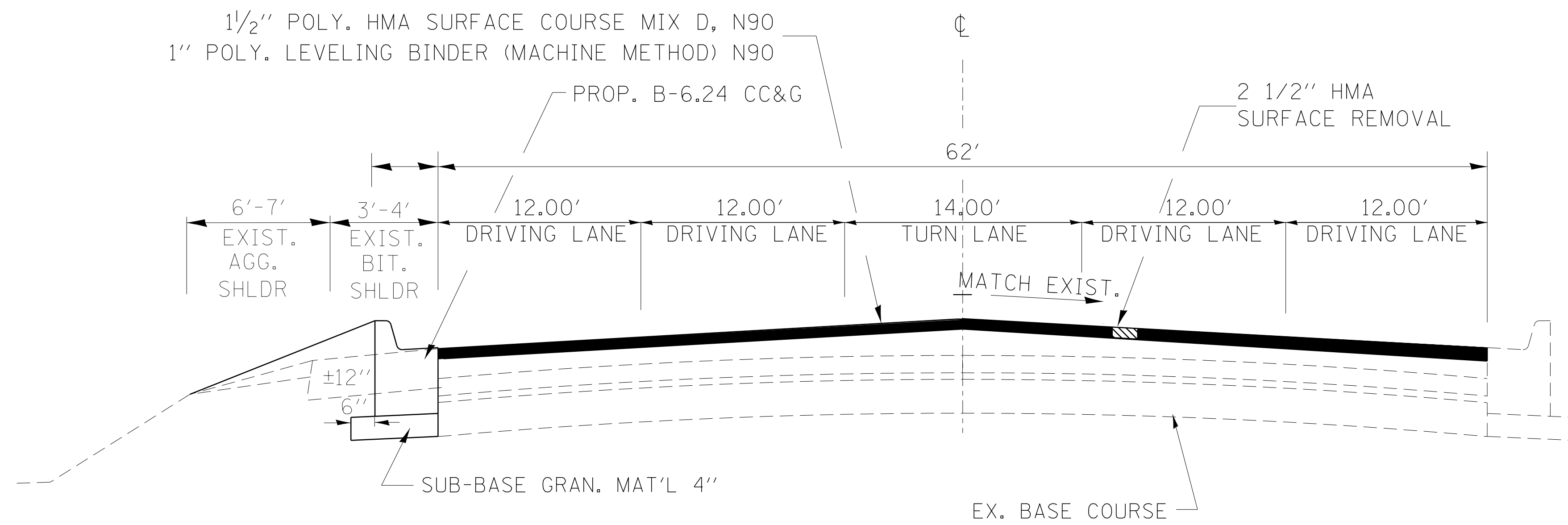
8103 20 999

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE				
				80% FED, 20% STATE	BOURBONNAIS 100%	BRADLEY 100%	STATE-80% BOURBONNAIS- 10% BRADLEY- 10%	BOURBONNAIS- 50% BRADLEY- 50%
				ROADWAY 0004	ROADWAY 0004	ROADWAY 0004	TRAFFIC SIGNALS 0021 RURAL	PRE-EMPTION & LIGHTING 0021 RURAL
				<i>URBAN</i>				
89000200	TEMPORARY TRAFFIC SIGNAL INSTALLATION	LSUM	1		0.5	0.5		
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	3821				3821	
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1				1	
89502380	REMOVE EXISTING HANDHOLE	EACH	3				3	
89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	1				1	
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	5				5	
X0325206	RELOCATE INTERCONNECT CABLE	FOOT	590	590				
X4402800	ISLAND PAVEMENT REMOVAL	50 YD	2		2			
X8040102	ELECTRIC SERVICE INSTALLATION, SPECIAL	EACH	1				1	
X8250505	LIGHTING CONTROLLER, SPECIAL	EACH	1					1
X8570226	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1				1	
X8730150	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	1127					1127
X8950114	MODIFY EXISTING CONTROLLER AND CABINET	EACH	2				2	
Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1				1	

* SPECIAL PROVISION

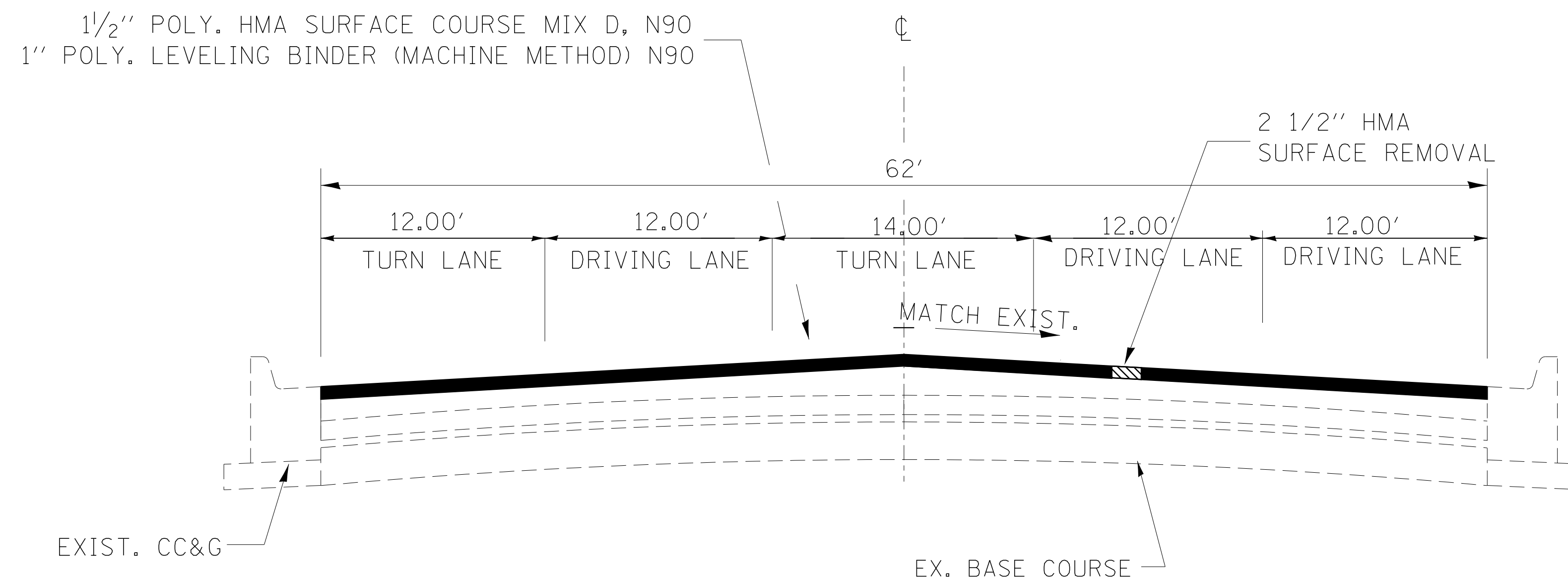
* SPECIALITY ITEM

FILE NAME *	USER NAME * mofaddenka	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAP 840 (IL 50) SUMMARY OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pe-work\pvidot\mofaddenka\d0304617\366C32-ah1-cover.dgn		DRAWN -	REVISED -		840	(140M, TS-3	KANKAKEE	29	10				
PLOT SCALE * 1/8"=1'-0"		CHECKED -	REVISED -		SCALE: N.T.S.	SHEET NO.	OF SHEETS	STA.	TO STA.	CONTRACT NO. 66C32			
PLOT DATE * 9/5/2012		DATE -	REVISED -		ILLINOIS FED. AID PROJECT								



TYPICAL SECTION

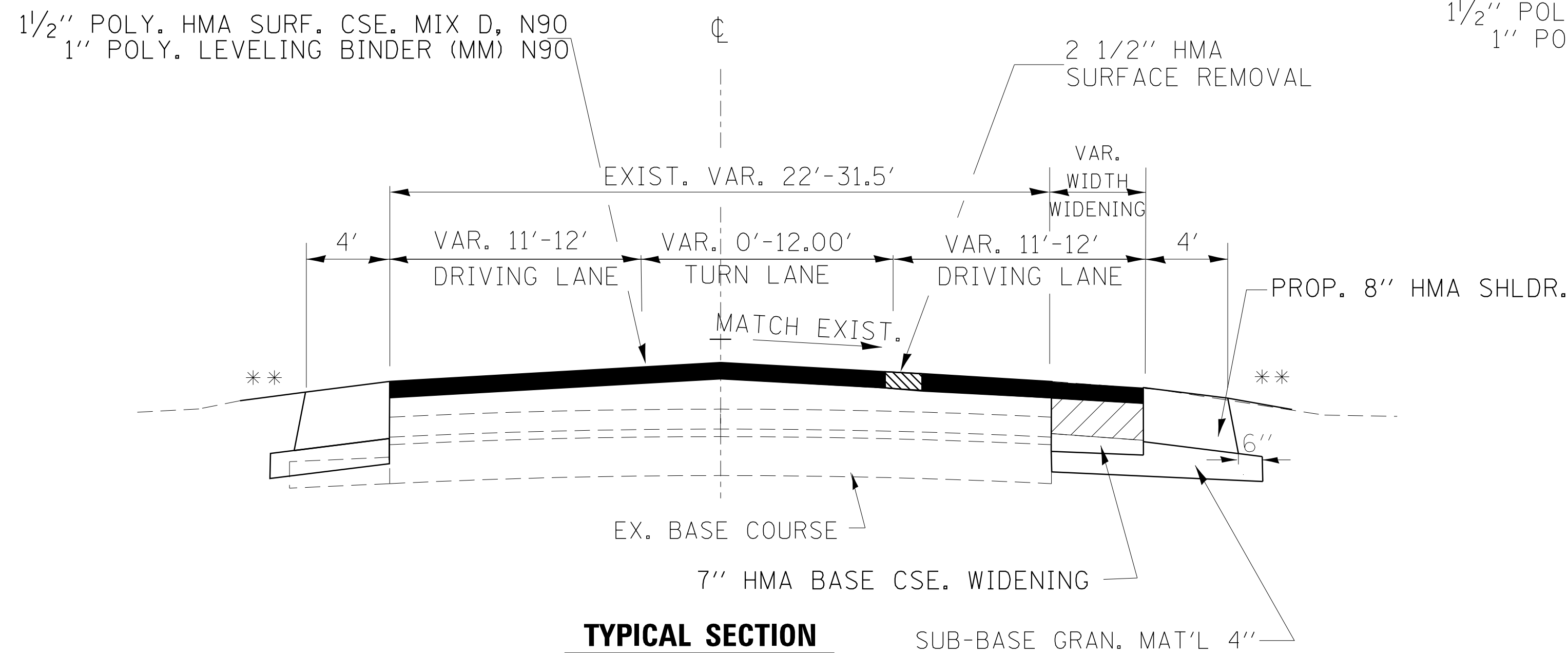
IL. 50 - NORTH KINZIE AVE.
 STA. 1340+15 TO STA. 1342+73.43
 STA. EQN. 1342+73.43 = 2+73.62



TYPICAL SECTION

IL. 50 - NORTH KINZIE AVE.
 STA. 2+73.62 TO STA. 4+55

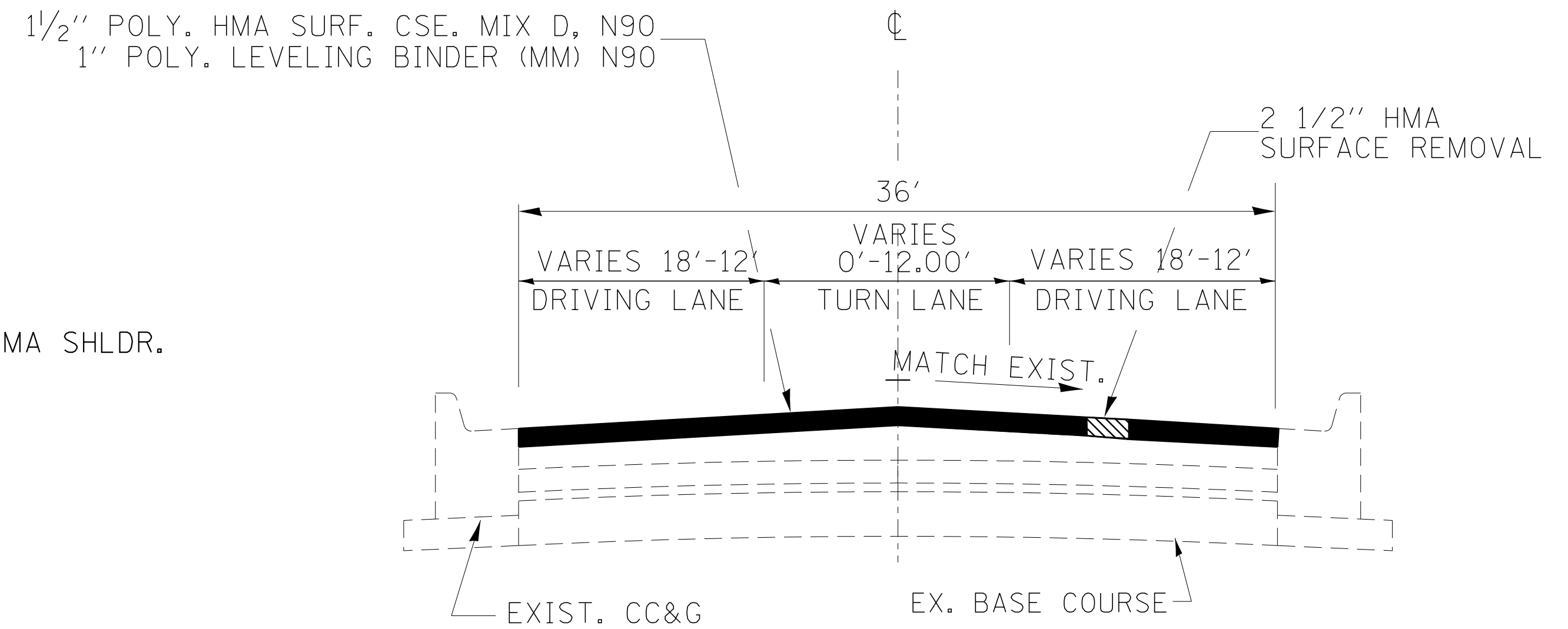
FILE NAME =	USER NAME = mcfaddenka	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAP 840 (IL 50) TYPICAL SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C:\pwwork\pwwork\mcfaddenka\10304617\0366C32-sht-cover.dgn	PLOT SCALE = 50.0057' / in.	DRAWN -	REVISED -					840	(140)N, TS-3	KANKAKEE	29	11
	PLOT DATE = 8/24/2012	CHECKED -	REVISED -		SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.			CONTRACT NO. 66C32				
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



TYPICAL SECTION

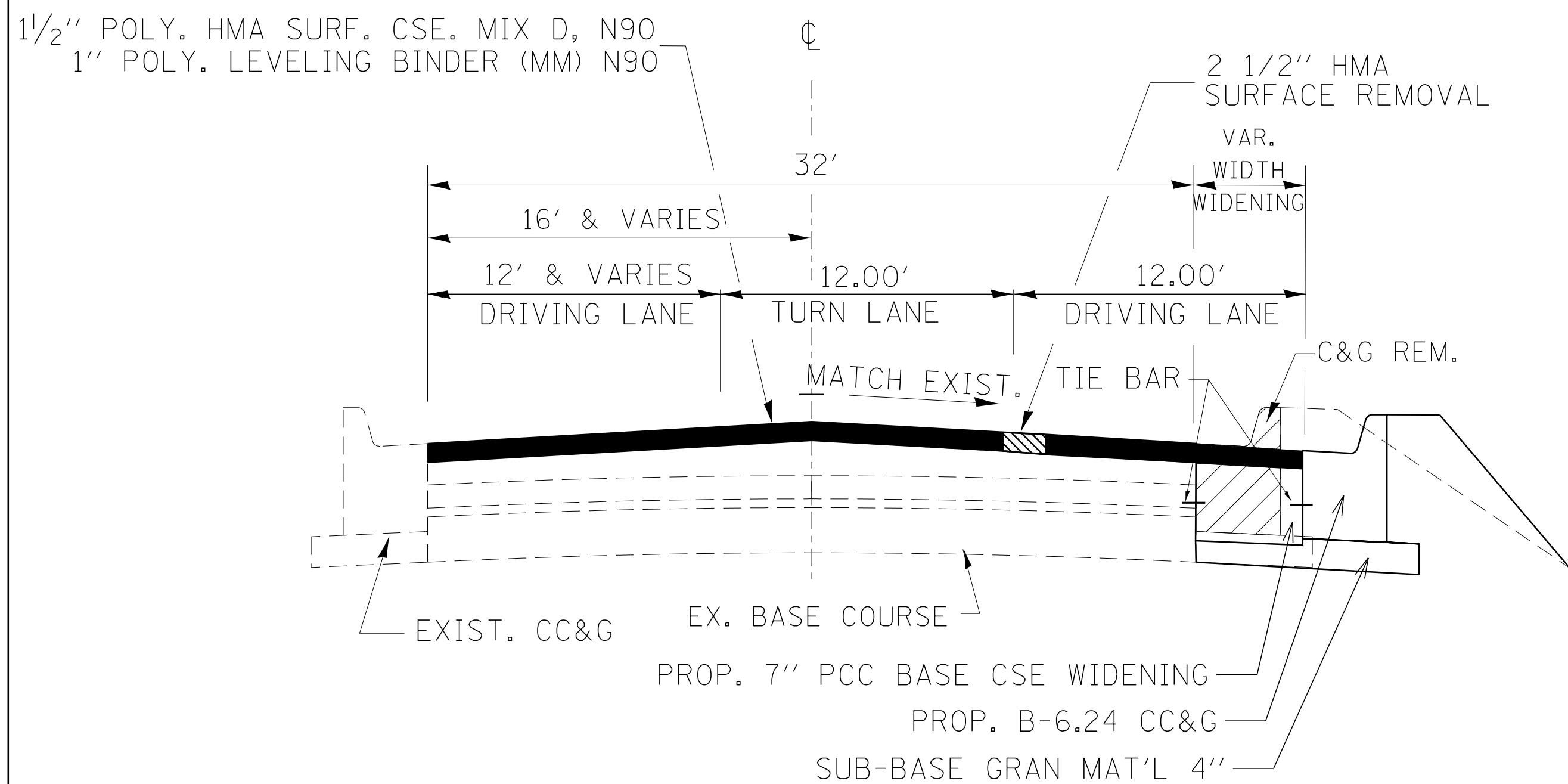
LARRY POWER ROAD
WEST OF IL 50
STA. 2401+25 TO STA. 2404+90

VAR. WIDTH SHLDR. REM.
** SEE CROSS-SECTIONS



TYPICAL SECTION

LARRY POWER ROAD
EAST OF IL 50
STA. 10+00 TO STA. 15+85



TYPICAL SECTION

LARRY POWER ROAD
WEST OF IL 50
STA. 2404+90 TO STA. 2407+12.94

MIXTURES TABLE					
	POLY. HMA BINDER/BASE CSE. WID.	POLY. HMA LEVEL BINDER	POLY. HMA SURFACE	INCIDENTAL HMA	HMA SHOULDERS
PG GRADE	PG64-22	SBS PG70-22	SBS PG70-22	PG64-22	PG64-22
DESIGN AIR VOIDS	4.0% @ N70	4.0% @ N90	4.0% @ N90	4.0% @ N50	4.0% @ N70
MIXTURE COMPOSITION	IL 19.0	IL 9.5	IL 9.5	IL 9.5	IL 19.0
FRICTION			MIXTURE D	MIXTURE C	
DENSITY TEST METHOD	CORES	SATISFACTION OF ENGINEER	CORES	SATISFACTION OF ENGINEER	CORES*

*MATERIAL SHALL BE COMPACTED TO 93.0-97.4 PERCENT OF THE MAXIMUM THEORETICAL DENSITY, EXCEPT THAT WHEN PLACED AS FIRST LIFT ON AN UNIMPROVED SUBGRADE THE MINIMUM PERCENT COMPACTION SHALL BE 92.0 PERCENT. MAXIMUM THEORETICAL DENSITY SHALL BE DETERMINED FROM THE MOVING AVERAGE AS SPECIFIED IN THE QC/OA SPECIFICATION.

FILE NAME =	USER NAME = mcfaddenka	DESIGNED -	REVISED -
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		CHECKED -	REVISED -
		DATE -	REVISED -

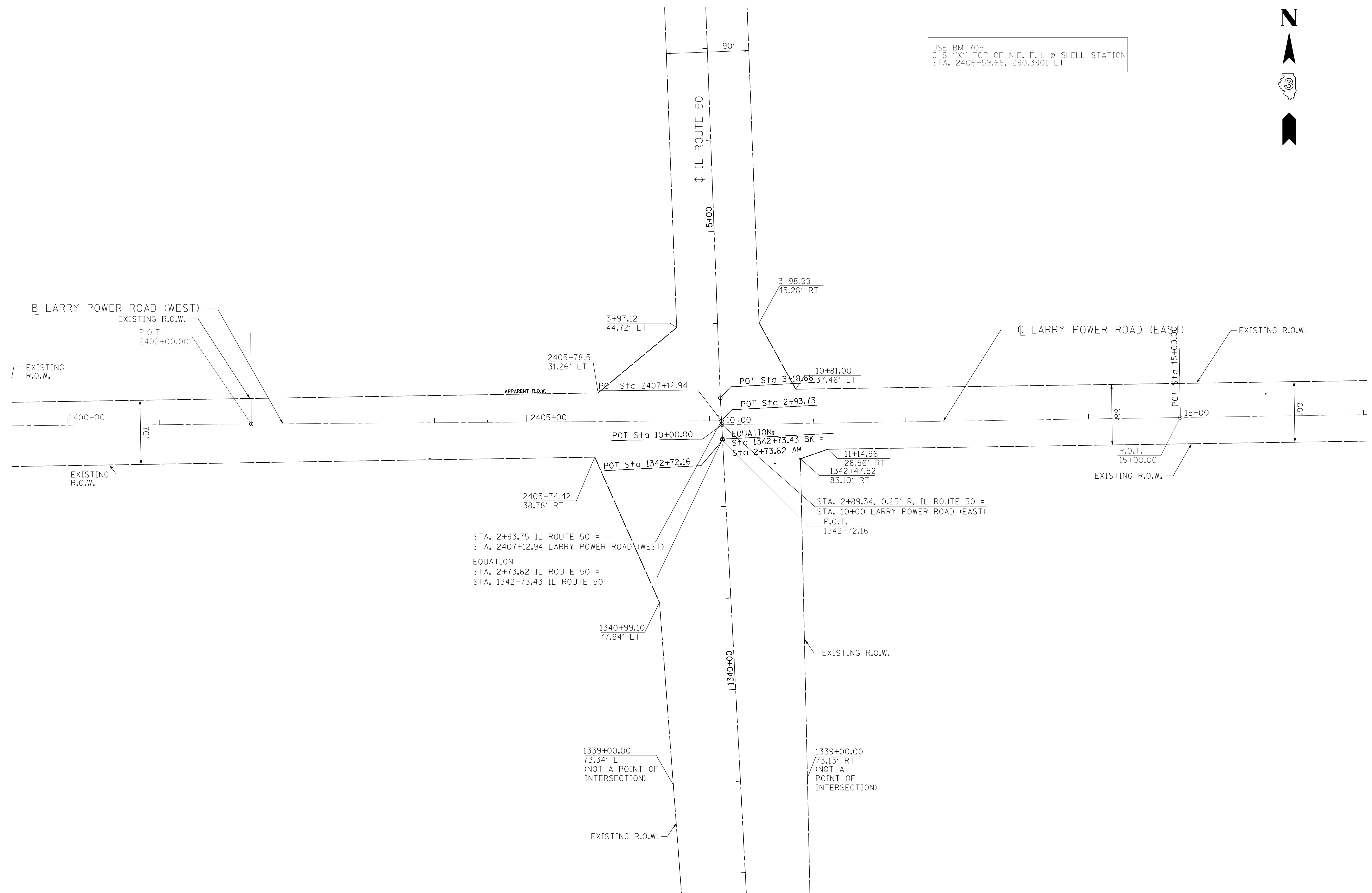
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 840 (IL 50) TYPICAL SECTIONS			
SCALE: N.T.S.	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	(140)N, TS-3	KANKAKEE	29	12
CONTRACT NO. 66C32				
ILLINOIS FED. AID PROJECT				



USE BM 709
 CHS "X" TOP OF N.E. F.H. @ SHELL STATION
 STA. 2406+59.68, 290.3901 LT



FILE NAME =	USER NAME = mcfaddenka	DESIGNED -	REVISED -
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	PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 8/24/2012	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**FAP 840 (IL 50)
 CENTERLINE CONTROL AND R.O.W.**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	(140)N, TS-3	KANKAKEE	29	14
CONTRACT NO. 66C32				
ILLINOIS FED. AID PROJECT				

DETECTOR LOOP INDUCTANCE CHART						
DETECTOR LOOP	PHASE	LOCATION	TURNS PER LOOP	INDUCTNESS READING (MICROHENRIES)	FREQUENCY (HERTZ)	J PIN STATUS
A	6	WB RT	4	218.58	41280	OFF
B	6	WB RL	4	790.12	21713	ON
C	1	WB LT	4	788.58	21734	ON
D	1	NB STRB RL & LL	4	554.43	25920	ON
E	8	NB FAR	6	814.65	21383	ON
F	3	NB LT	4	635.56	24209	ON
G	2	EB RT	4	268.3	37261	OFF
H	2	EB STBR	4	578.3	25380	ON
I	5	EB LT	4	838.3	21080	ON
J	4	SB STBR RL & LL	4	559.05	25813	ON
K	4	SB FAR	6	598.82	24941	OFF
L	7	SB LT	4	819.49	21320	ON

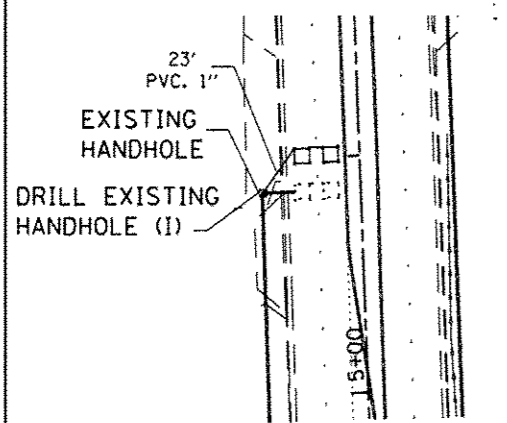
J PIN STATUS "ON" MEANS STANDARD DETECTOR SETUP. "OFF" MEANS J WIRE HAS BEEN DISCONNECTED. BUT INTACT, AT THE HARNESS PANEL WITH THE NECESSARY SPADE CONNECTION ATTACHED, MARKED, AND INSULATED.

LOCATION	CABLE IN CONDUIT						
	SIGNAL NO. 14			NO 20 3/C TWISTED SHIELDED	LEAD-IN NO. 14 1 PAIR	EQ. GROUNDING CONDUCTOR NO. 6 1C	600V (XLP-TYPE USE) 3-1/C NO. 10
	3C	5C	7C				
	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT
North West Corner	462.5	472.5	430	367	397.5	185.5	185.5
South West Corner	1387	668.5	647	798.5	281.5	278.5	278.5
South East Corner	800	358.5	370	697	329.5	303	143.5
North East Corner	194.5	164.5	144	144	90.5	51	51
TOTALS	2187	1684	1654	1127	1639	1073	659

DETECTOR LOOP TYPE I IL 50 / LARRY POWER RD.	
LOCATION	DETECTOR LOOP TYPE I
	FOOT
IL 50 NORTH	693
ADVANCED NORTH	528
IL 50 SOUTH	481
ADVANCED SOUTH	645
LARRY POWER WEST	642
LARRY POWER DR. EAST	454
TOTAL	3443

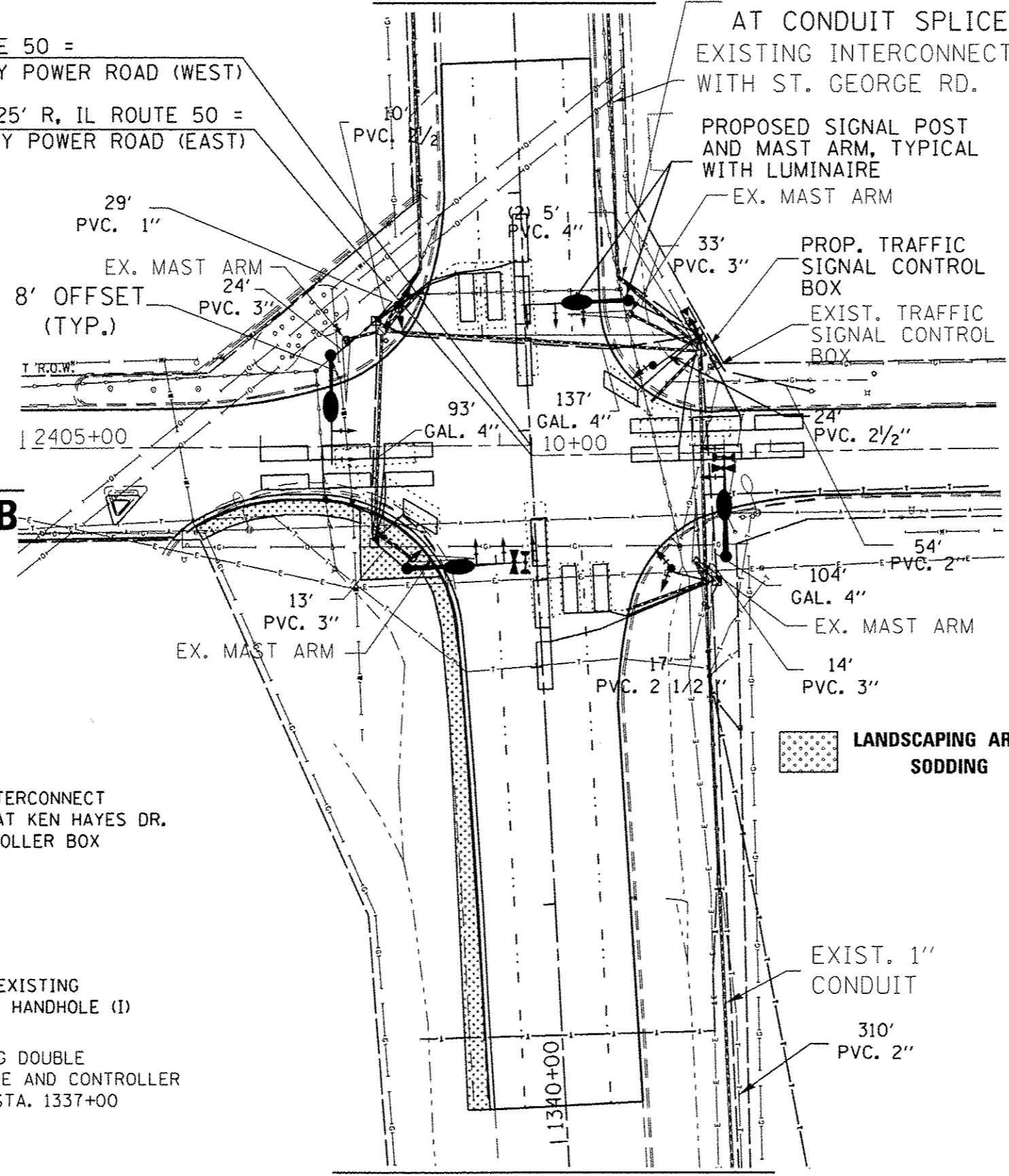
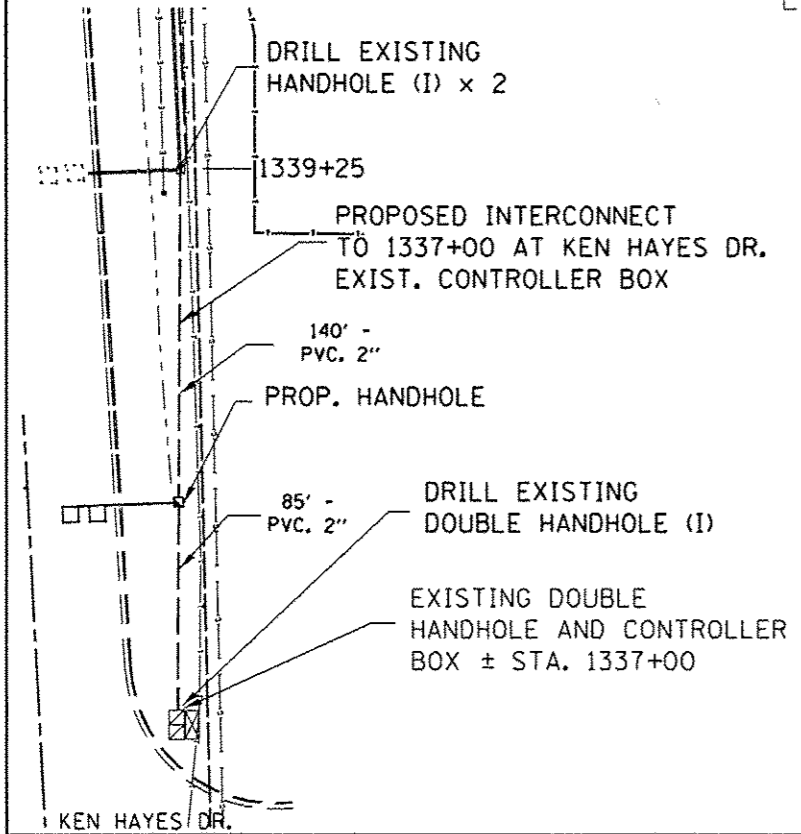
MATCH LINE B

STA. 2+93.75 IL ROUTE 50 =
 STA. 2407+12.94 LARRY POWER ROAD (WEST)
 STA. 2+89.34, 0.25' R, IL ROUTE 50 =
 STA. 10+00 LARRY POWER ROAD (EAST)



MATCH LINE B

MATCH LINE A



MATCH LINE A

TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
CONTROLLER		
SIGNAL HEAD WITH BACK PLATE		
MAST ARM ASSEMBLY AND POLE, STEEL		
COMBINATION MAST ARM ASSEMBLY AND POLE, STEEL WITH LUMINAIRE		
EMERGENCY VEHICLE LIGHT DETECTOR		
WOOD POLE		
UNIT DUCT		
COMMON TRENCH		
HANDHOLE		
HEAVY DUTY HANDHOLE		
DOUBLE HANDHOLE		
G.S. CONDUIT IN TRENCH (T) OR PUSHED (P)		

NOTE: ASK IF THE POWER COMPANY WILL SUPPLY SEPERATE TRANSFORMER FOR TRAFFIC SIGNALS
 THE CONTRACTOR IS TO MAKE SURE THAT THE CONTROLLER DOES NOT MOVE TOO FAR NORTH SO THAT THE EXISTING INTERCONNECT CABLE CAN BE REUSED WITHOUT THE NEED TO IMPLIMENT A SPLICE.

SIGNAL INSTALLATION STATIONING

QUADRANT	ITEM	STATION	OFFSET
NORTHEAST	CONTROLLER	3+48	68' RT
	DOUBLE HANDHOLE	3+39	73' RT
	MAST ARM	3+55	44' RT
	SIGNAL POST	3+25	53' RT
SOUTHEAST	HANDHOLE	1342+33	75' RT
	SIGNAL POST	1342+39	56' RT
	MAST ARM	1342+46	79' RT
SOUTHWEST	HANDHOLE	1342+73	67' LT
	MAST ARM	1342+42	54' LT
NORTHWEST	HANDHOLE	3+49	62' LT
	MAST ARM	3+32	82' LT
	SIGNAL POST	3+55	53' LT

TYPE E 36" FOUNDATION DEPTHS

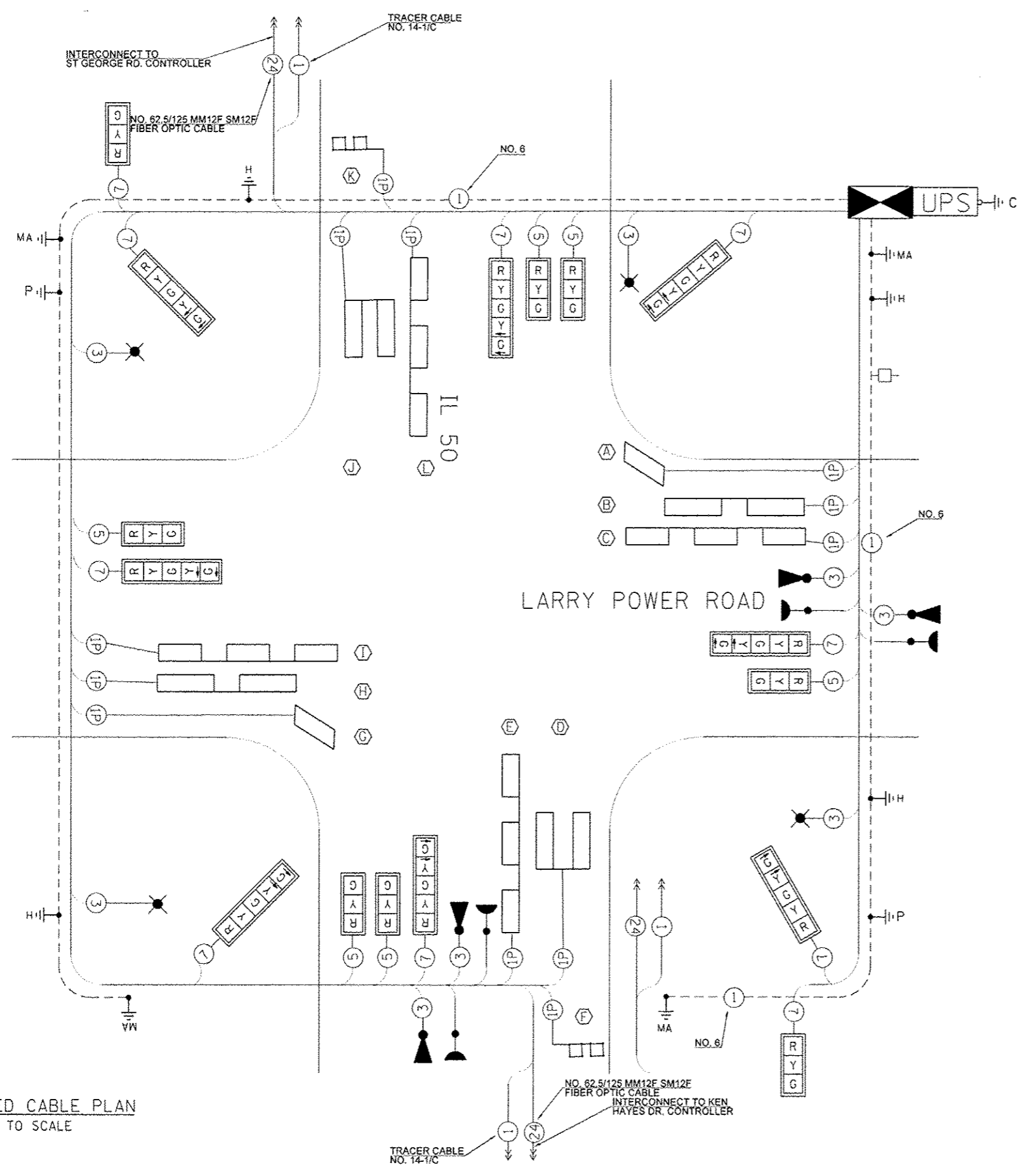
MAST ARM	ARM LENGTH	STATION	OFFSET	DEPTH**
NORTHEAST	42'	3+55	44' RT	13
SOUTHEAST	46'	1342+46	79' RT	13
SOUTHWEST	52'	1342+42	54' LT	15
NORTHWEST	44'	3+32	82' LT	13

* ALL SIGNAL BASES SHALL BE LOCATED A MINIMUM OF 8'-0" FROM THE BACK OF CURB TO THE FACE OF FOUNDATION UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

** THE FINAL DEPTH OF THE TYPE E MAST ARM FOUNDATION WILL BE DETERMINED ONCE THE SOIL BORINGS ARE COMPLETED BY IDOT. SEE COMMITMENT FILE.

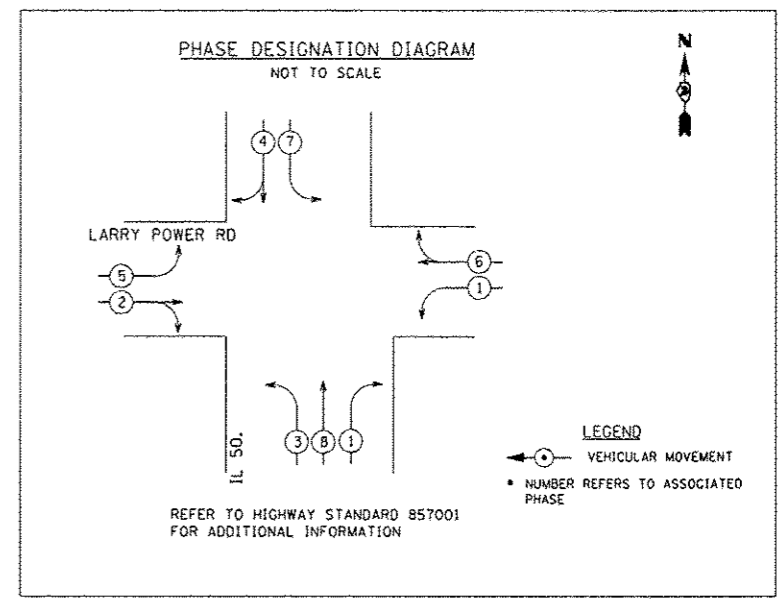
RESTORATION OF WORK AREA
 RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC. AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL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

LOCATIONS OF MAST ARM ASSEMBLIES MAY BE CHANGED IN THE FIELD AS NECESSARY IN ORDER TO AVOID UTILITIES. THE NEW LOCATIONS SHALL BE COORDINATED WITH THE ENGINEER AND APPROVED BY THE DISTRICT TRAFFIC SIGNAL SECTION TO ENSURE THE NEW LOCATIONS MEET OPERATIONAL OFFSET AND CLEAR ZONE REQUIREMENTS AND MAINTAIN PROPER POSITION OF SIGNAL HEADS IN RELATION TO THE TRAVELED LANES.



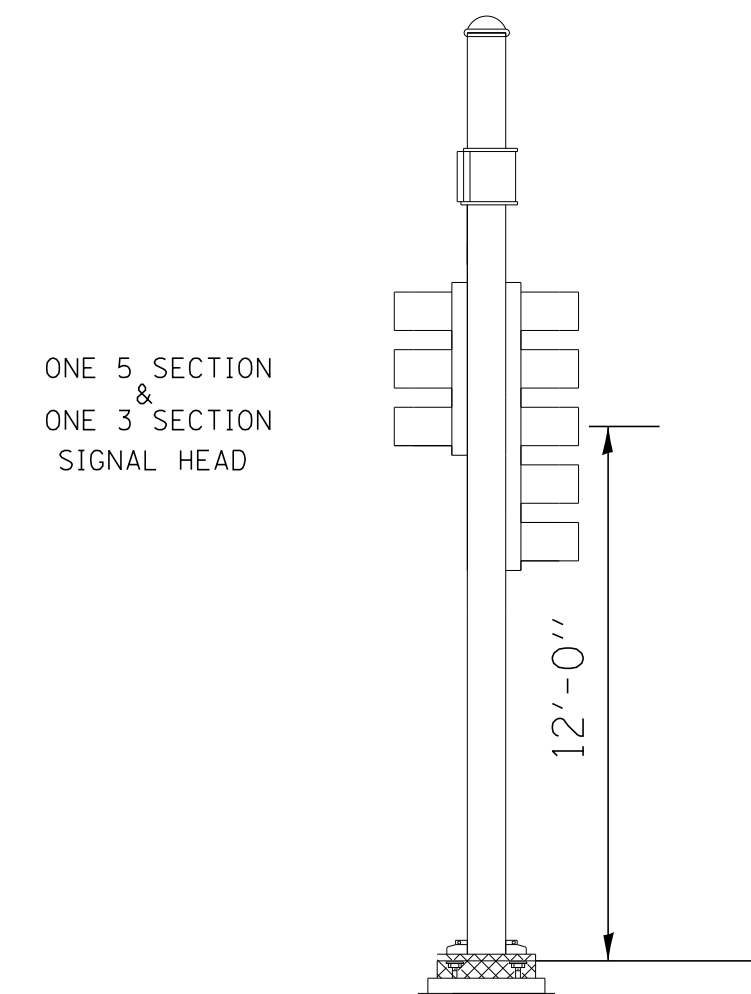
TRAFFIC SIGNALS LEGEND

- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON
- SIGNAL FACE WITH BACK PLATE
"P" INDICATES PROGRAMMED HEAD.
- CONTROLLER CABINET
- GROUND ROD AT HANDHOLE (H),
DOUBLE HANDHOLE (H), OR CONTROLLER (C)
- GROUND ROD AT POST (P) OR
MAST ARM POLE (MA)
- UN-INTERRUPTIBLE POWER SUPPLY (UPS)
- SERVICE INSTALLATION
- VEHICLE DETECTOR, INDUCTION LOOP
- FIBER OPTIC CABLE IN CONDUIT,
NO. 62.5/125 MM12F & SM12F
- GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER GREEN
- LUMINAIRE
- DETECTOR LOOP

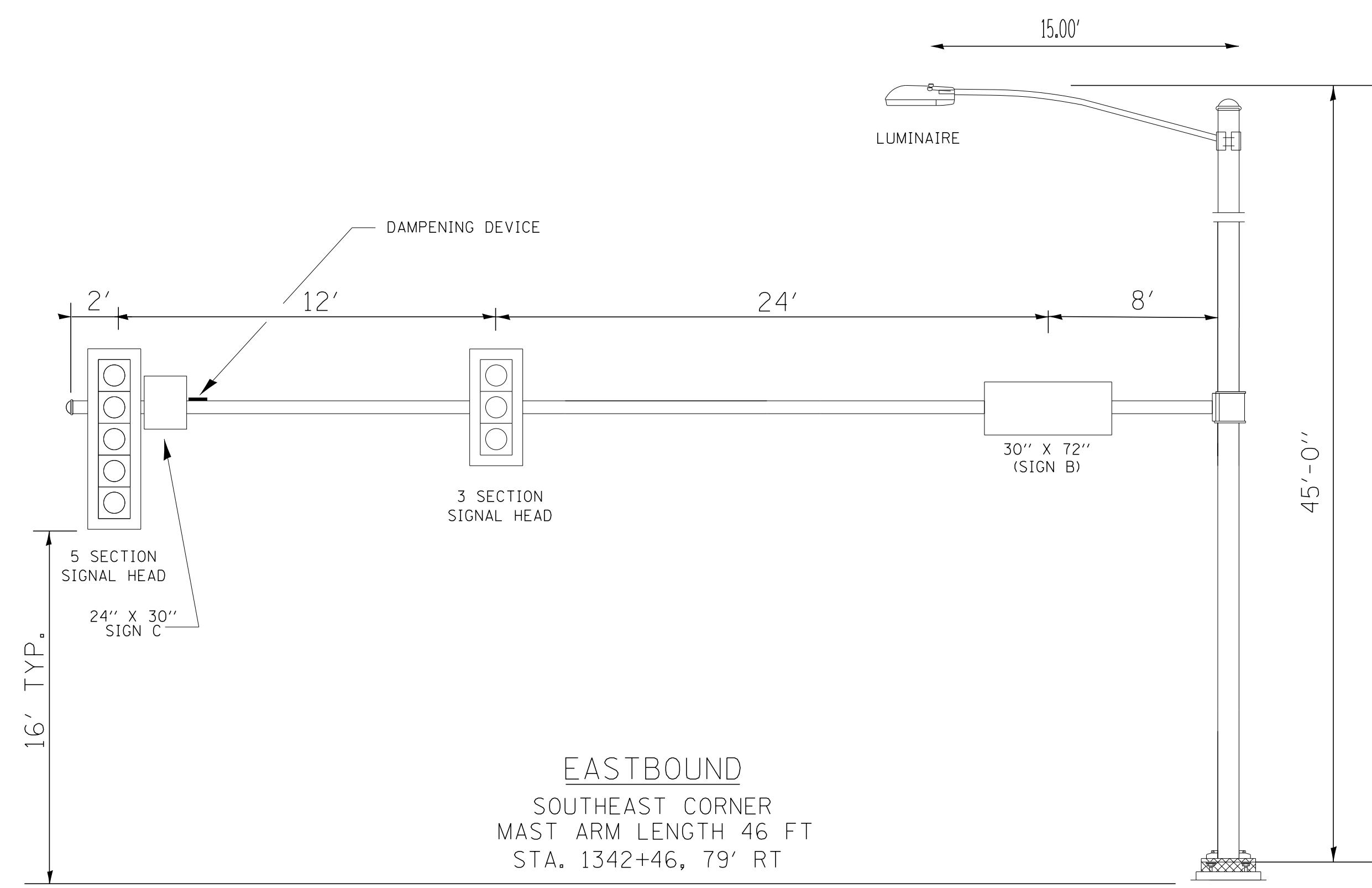


PROPOSED CABLE PLAN
NOT TO SCALE

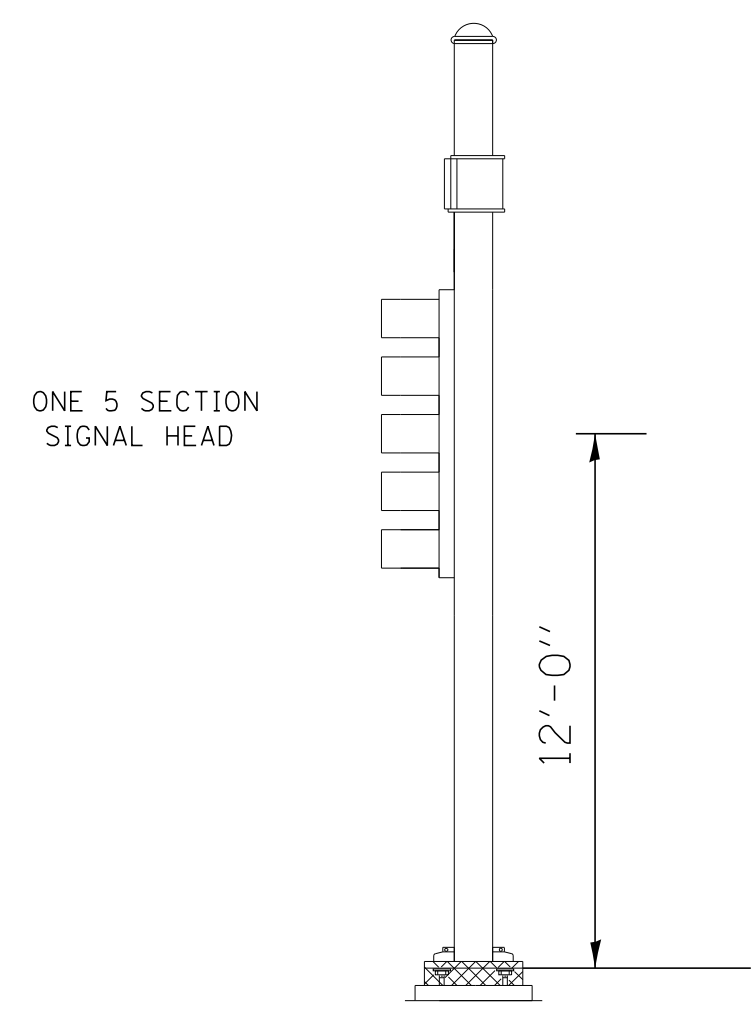
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PLOT SCALE = 5/8"=1'-0"		CHECKED -	REVISED -		SCALE: N.T.S.	SHEET NO. OF SHEETS	STA. TO STA.	CONTRACT NO. 66632				
PLOT DATE = 6/24/2012		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							
					Rev.							



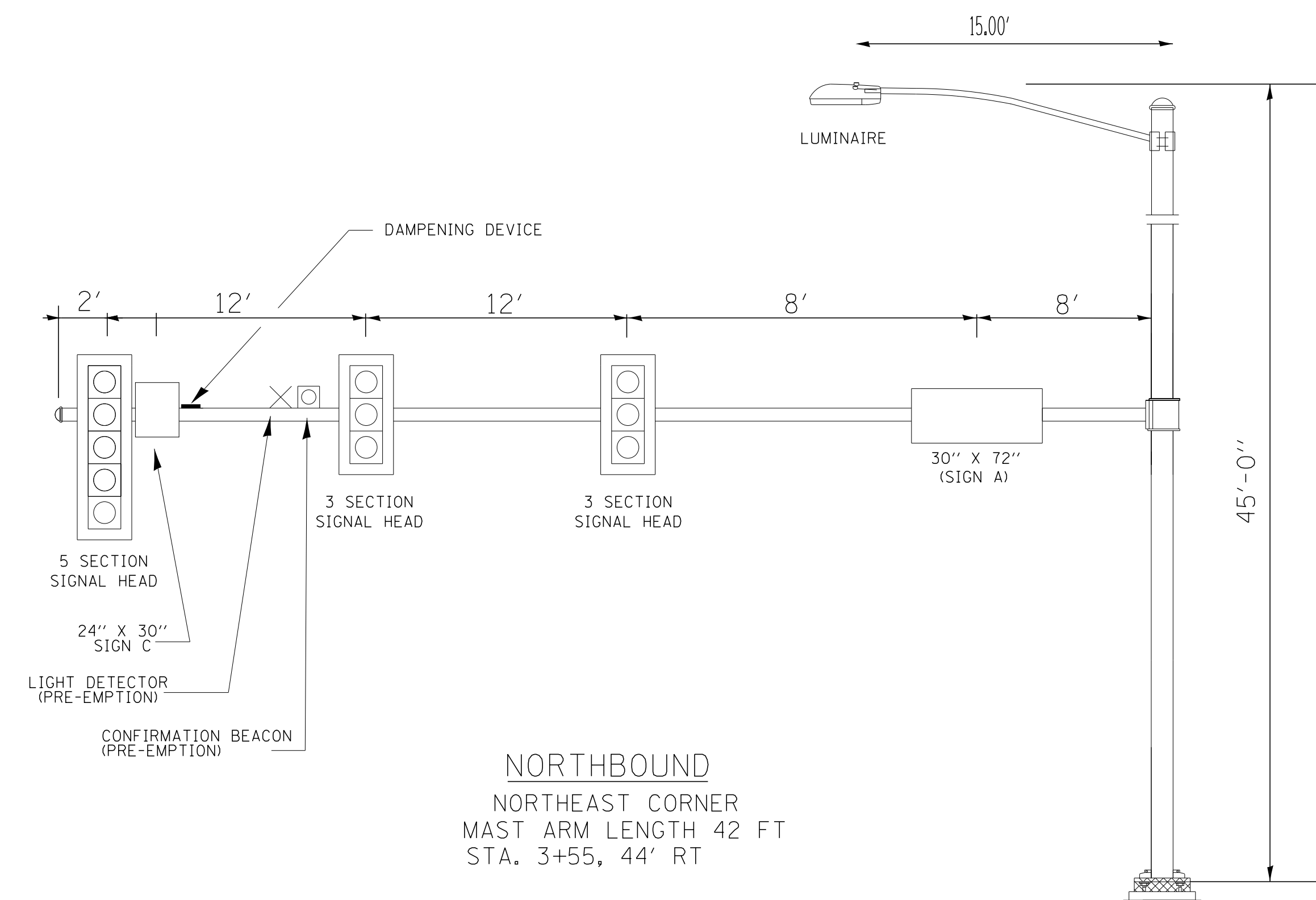
EASTBOUND
SOUTHEAST CORNER
STA. 1342+39, 56' RT



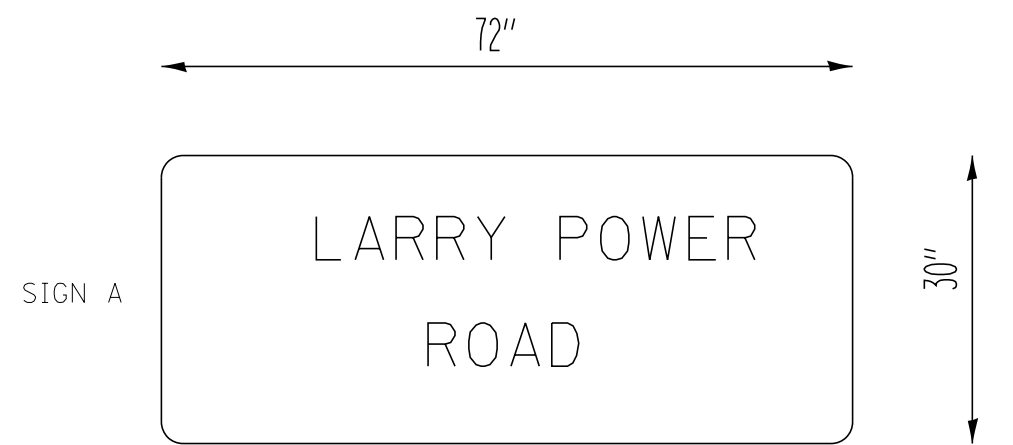
EASTBOUND
SOUTHEAST CORNER
MAST ARM LENGTH 46 FT
STA. 1342+46, 79' RT



NORTHBOUND
NORTHEAST CORNER
STA. 3+25 53' RT



NORTHBOUND
NORTHEAST CORNER
MAST ARM LENGTH 42 FT
STA. 3+55, 44' RT



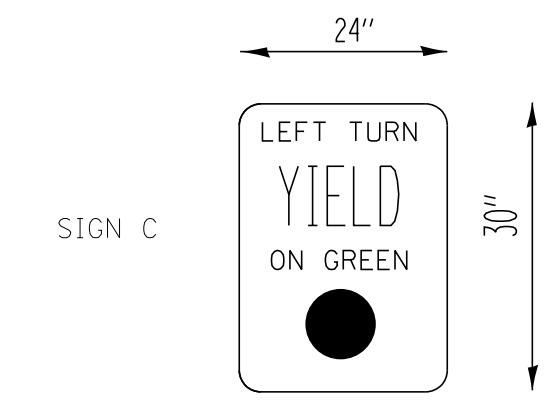
2 SIGNS REQUIRED = 15 SQ FT. EACH
= 30 SQ FT. TOTAL

THIS STREET NAME SIGN SHALL BE PLACED ON THE
MAST ARMS PARALLEL WITH LARRY POWER ROAD



2 SIGNS REQUIRED = 15 SQ FT. EACH
= 30 SQ FT. TOTAL

THIS STREET NAME SIGN SHALL BE PLACED ON THE
MAST ARMS PARALLEL WITH NORTH KINZIE AVE.



4 SIGNS REQUIRED = 5 SQ FT. EACH
= 20 SQ FT. TOTAL

TYPE A SHEETING REQUIRED

THIS SIGN SHALL BE LOCATED 6 TO 12 INCHES TO
THE RIGHT OF EACH 5 SECTION MAST ARM MOUNTED
LEFT TURN SIGNAL

SIGN NOTES:

1. 3/4" BORDER, 2-1/4" CORNER RADIUS
2. TYPE ZZ SHEETING REQUIRED
3. 8" UC/LC LETTERS
4. 20 SQ FT MAXIMUM SIGN SIZE
5. WHITE REFLECTORIZED LEGEND ON A GREEN REFLECTORIZED BACKGROUND

MAST ARM AND SIGNAL NOTES:

1. ALL SIGNAL HEADS HAVE BACKPLATES.
2. ALL MAST ARM FOUNDATIONS TO BE 36" DIAMETER.
3. DAMPING DEVICE SHALL CONSIST OF A 24" X 30" TYPE-I UNPAINTED ALUMINUM SIGN STOCK MOUNTED HORIZONTALLY ON THE TOP OF THE MAST ARM WITH THE 30" LENGTH PERPENDICULAR TO THE ARM. COST OF THE DAMPING DEVICE SHALL BE INCLUDED IN THE COST OF THE MAST ARM.
4. MAST ARM AND POLE SHALL BE DESIGNED FOR THE WORST CASE LOADING CONDITION WHEREBY ALL THE SIGNAL HEADS ARE LOCATED 2 FEET FARTHER OUT THAN POSITION SHOWN. HOWEVER THE INTENT IS THAT ALL SIGNAL HEADS BE CENTERED ABOVE THE LANES
5. ARM SUPPORT FOR THE LUMINAIRE SHALL BE PARALLEL TO THE MAST ARM.

DRAWING NOT TO SCALE

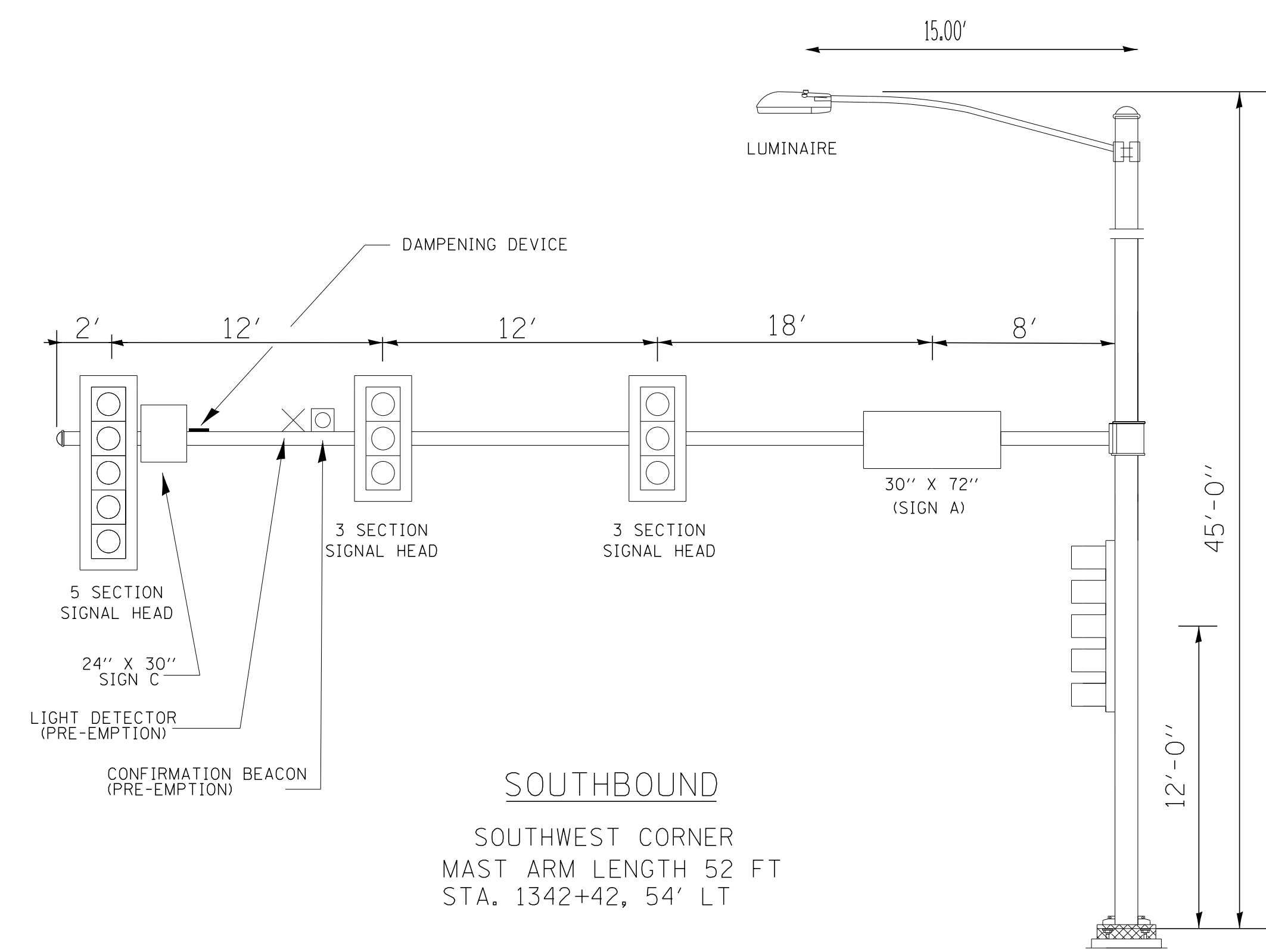
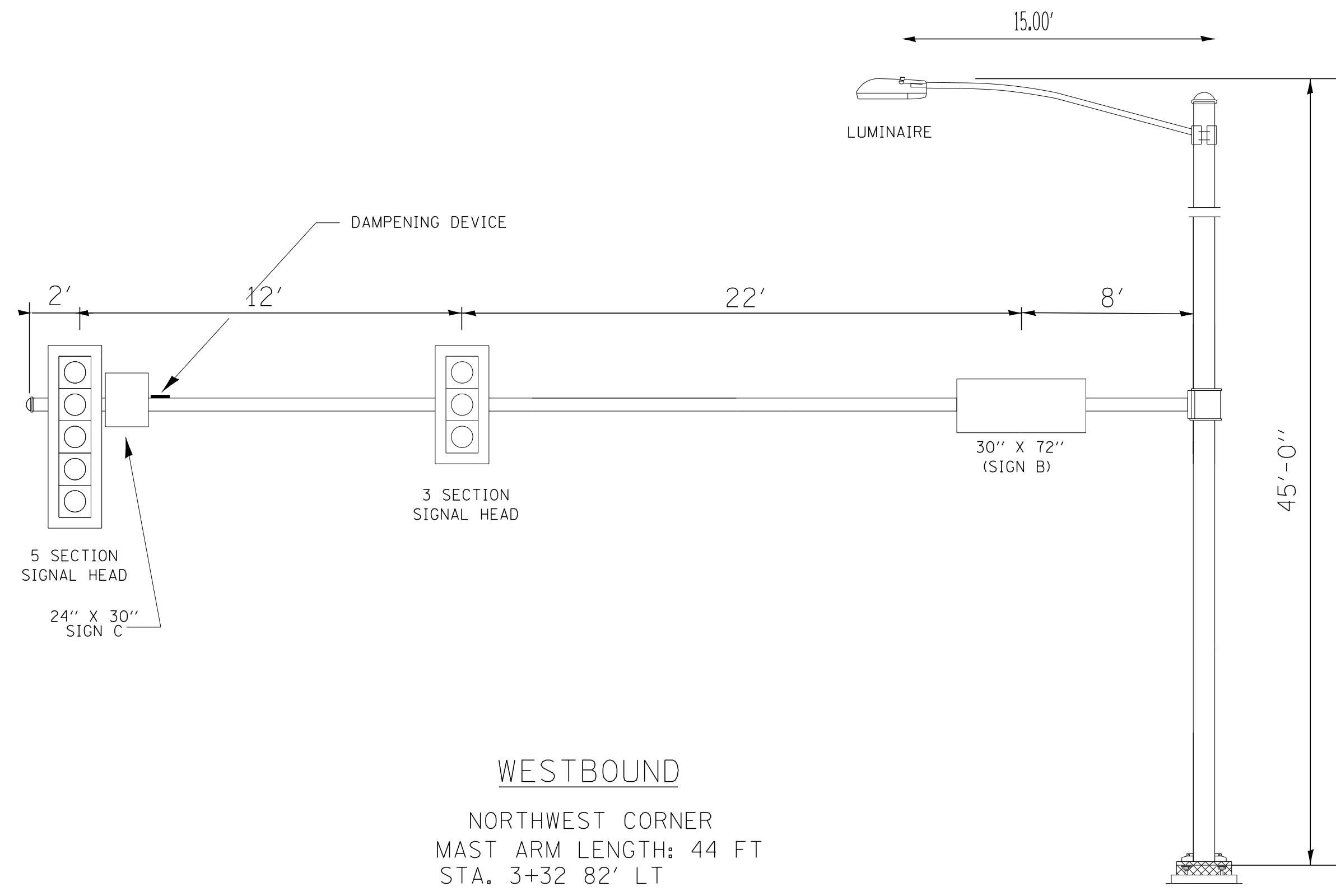
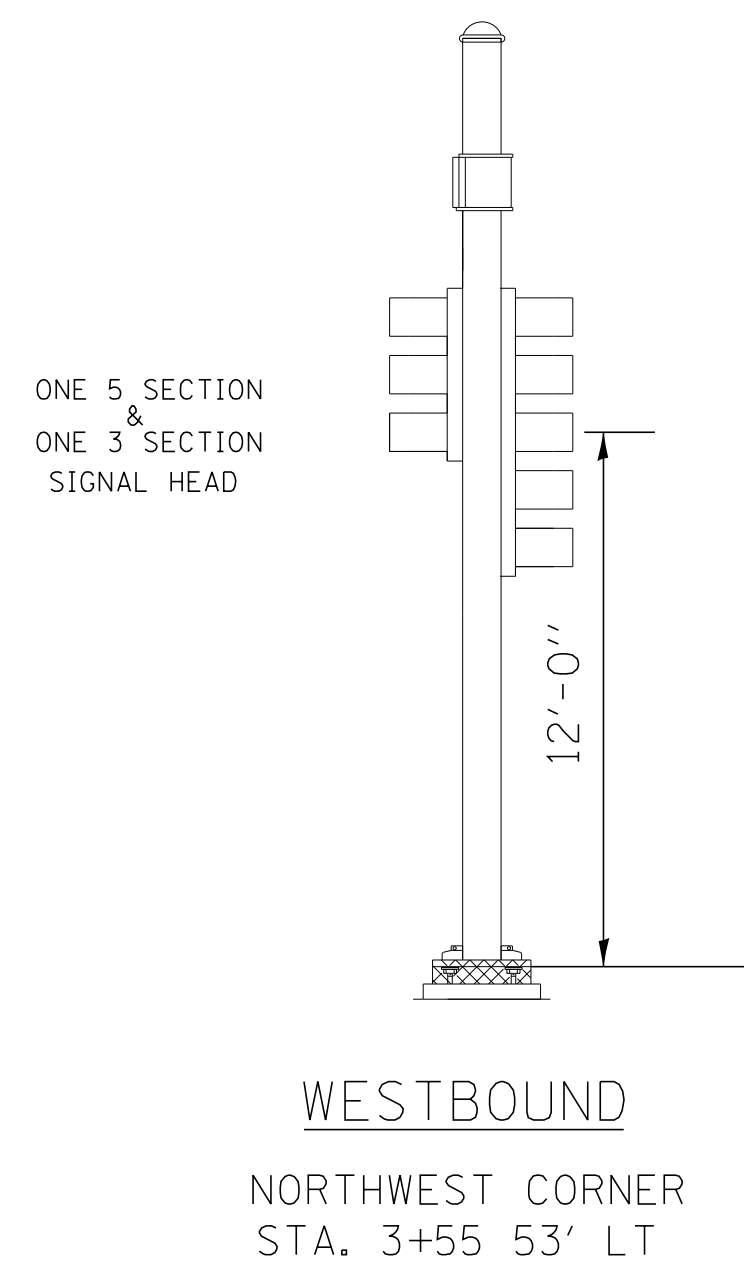
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	PLOT DATE = 8/24/2012	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FAP 840 (IL 50)
MAST ARM ASSEMBLY DETAILS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	(140)N, TS-3	KANKAKEE	29	19
CONTRACT NO. 66C32			ILLINOIS FED. AID PROJECT	



DRAWING NOT TO SCALE

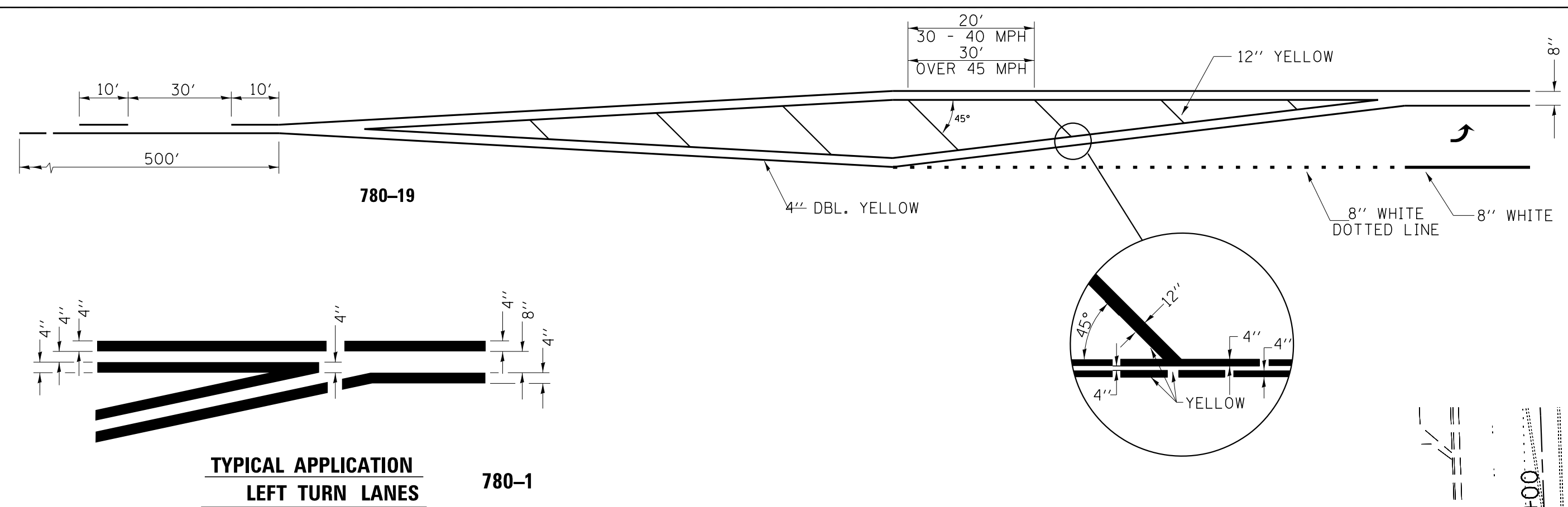
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PLOT DATE = 8/24/2012		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

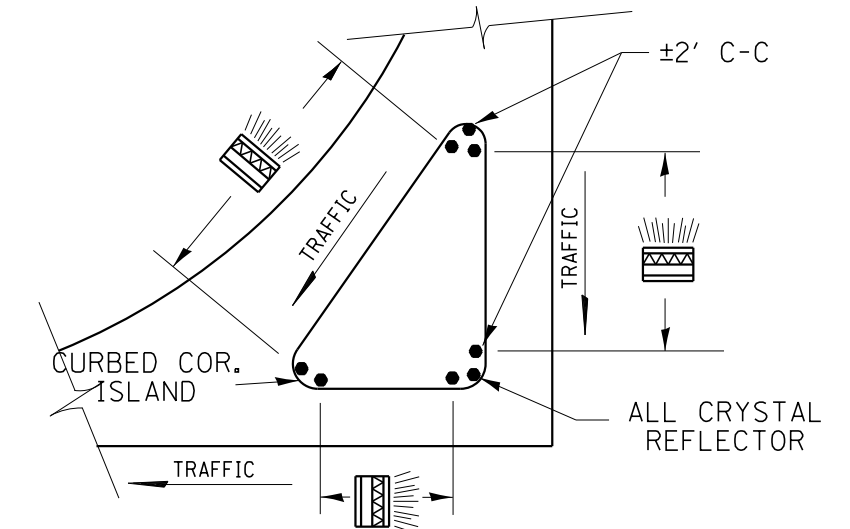
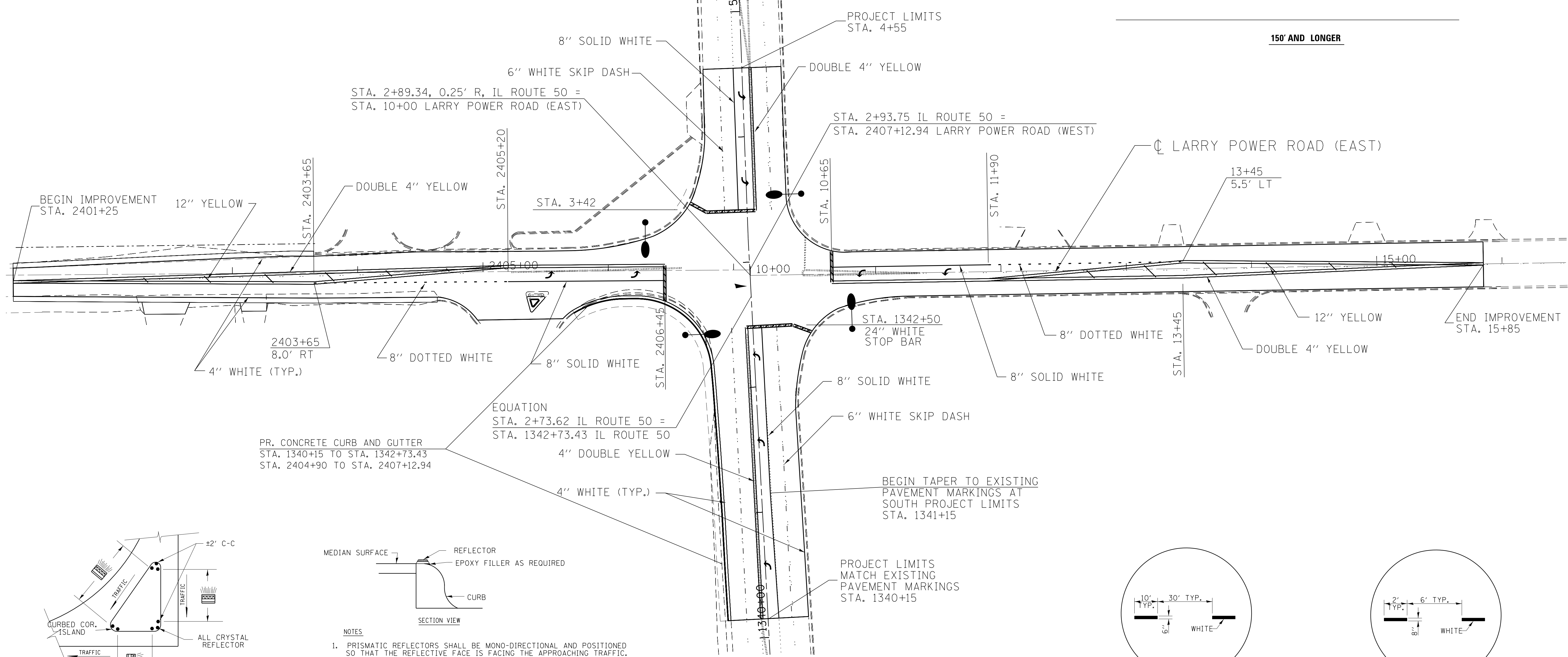
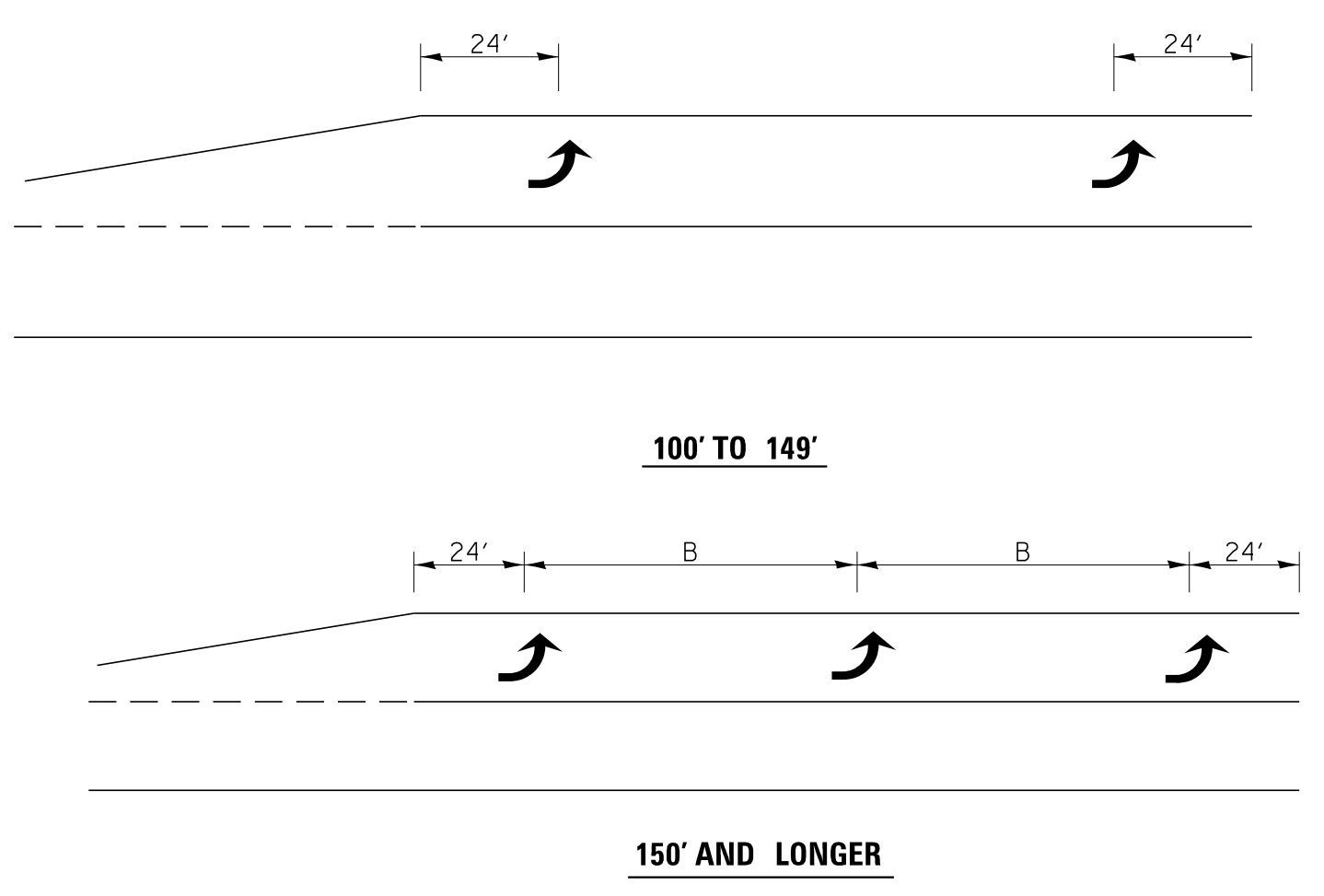
FAP 840 (IL 50)
MAST ARM ASSEMBLY DETAILS

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

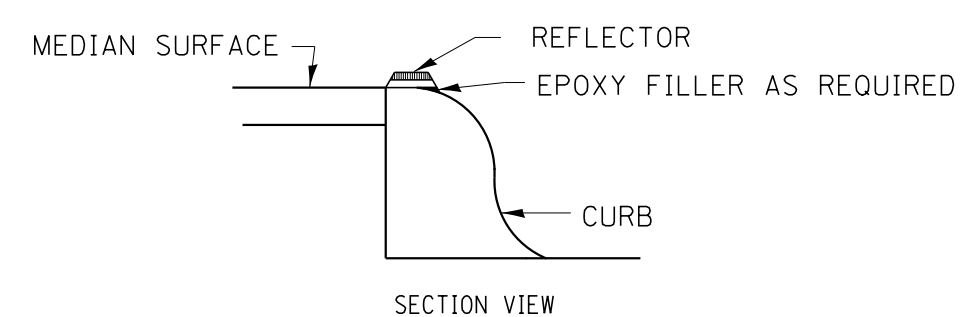
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	(140)N, TS-3	KANKAKEE	29	20
CONTRACT NO. 66C32				
ILLINOIS FED. AID PROJECT				



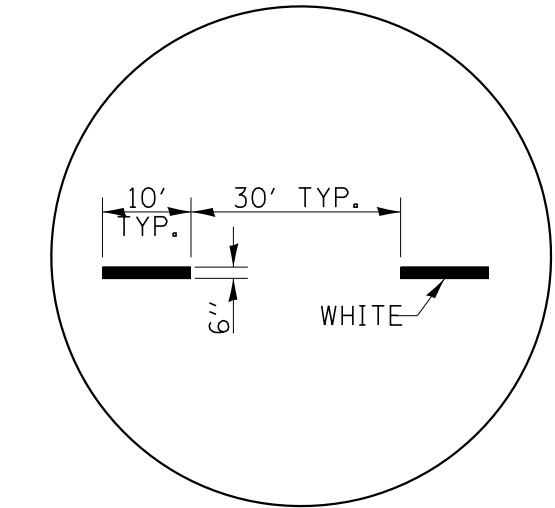
TYPICAL APPLICATION LEFT TURN LANES 780-1



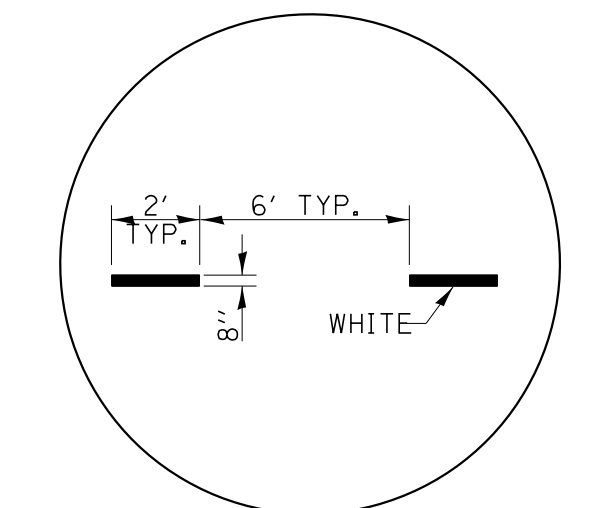
PRISMATIC REFLECTORS



- NOTES**
1. PRISMATIC REFLECTORS SHALL BE MONO-DIRECTIONAL AND POSITIONED SO THAT THE REFLECTIVE FACE IS FACING THE APPROACHING TRAFFIC.
 2. PRISMATIC REFLECTORS SHALL BE SECURED IN PLACE WITH AN EPOXY ADHESIVE.
 3. PRISMATIC REFLECTORS SHALL BE EITHER AMBER OR CRYSTAL IN COLOR.



CENTERLINE SKIP DASH



ADVANCE AND INTERSECTION LANE DIVIDER LINES

FILE NAME =		USER NAME = mcfaddenka		DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION			FAP 840 (IL 50 PROPOSED PAVEMENT MARKING			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C:\pwork\pwork\dtd\mcfaddenka\10304617\10366C32-sht-cover.dgn		DRAWN -	REVISED -	840	(140)N, TS-3							KANKAKEE	29	21		
PLOT SCALE = 40.0000' / 1" =		CHECKED -	REVISED -	CONTRACT NO. 66C32												
PLOT DATE = 8/24/2012		DATE -	REVISED -	ILLINOIS FED. AID PROJECT												
SCALE:		SHEET OF SHEETS		STA. TO STA.												

SECTION 16, T.31N., R.12E., 3RD. P.M.

SECTION 9, T.31N., R.12E., 3RD. P.M.

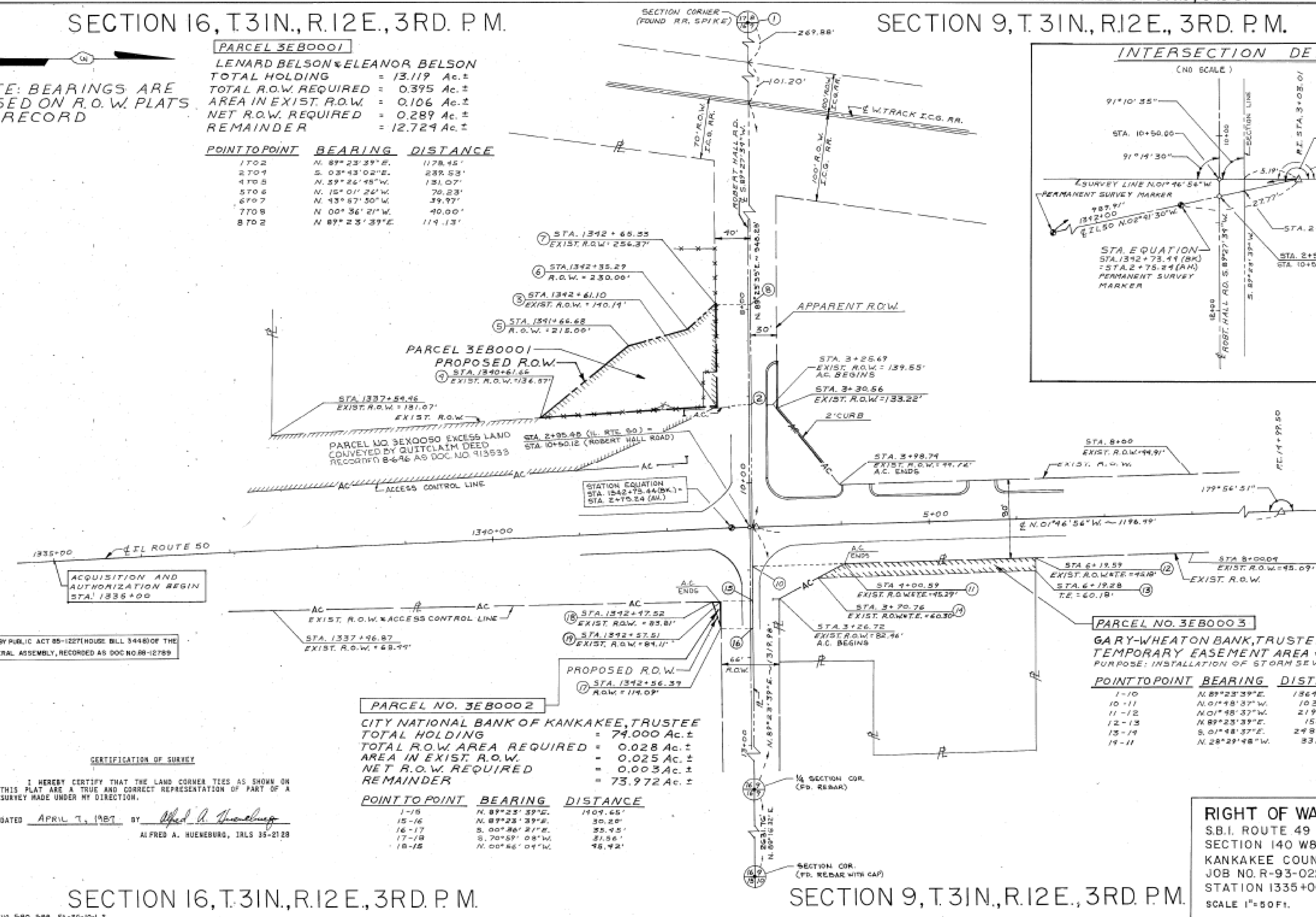
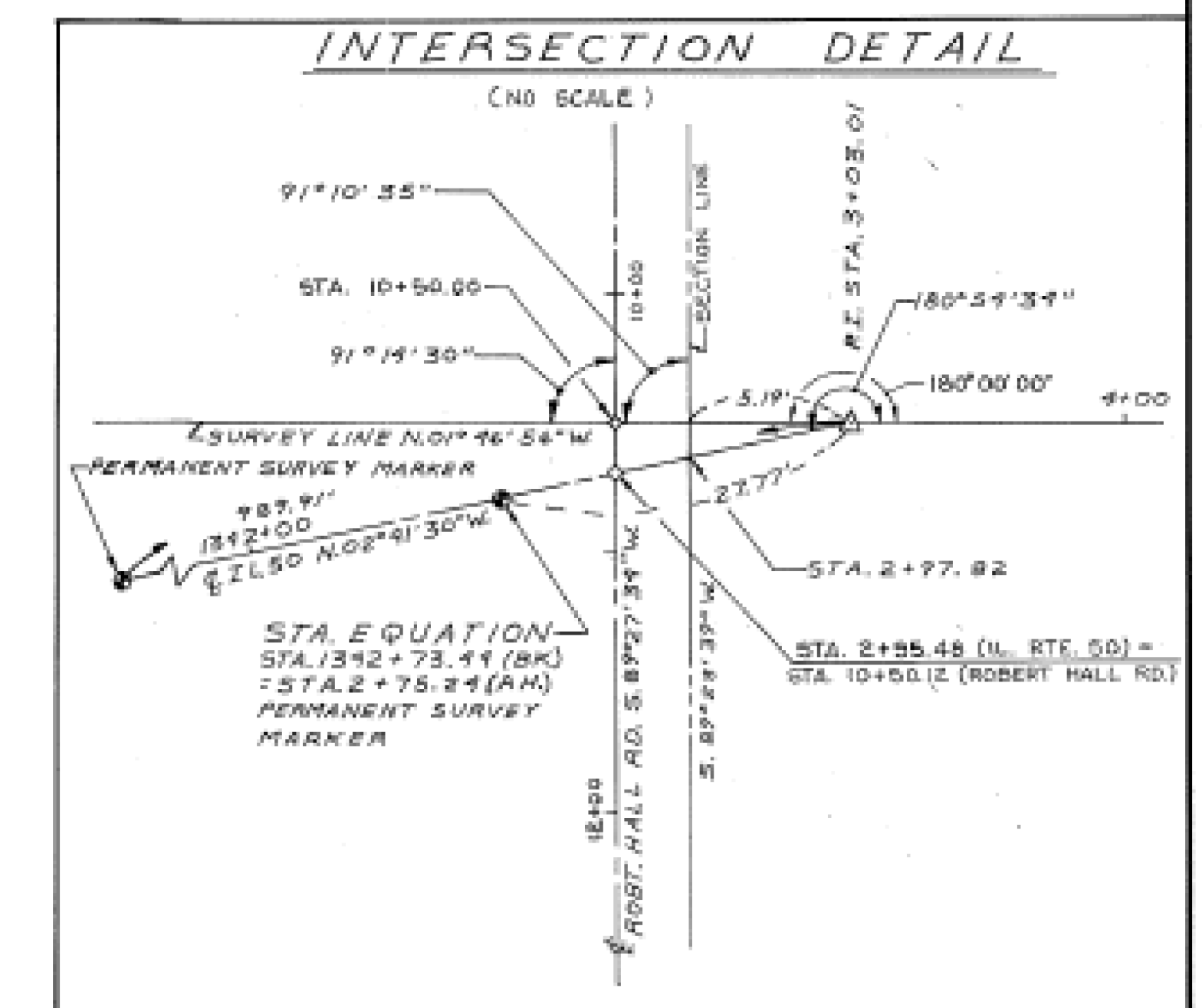
NOTE: BEARINGS ARE BASED ON R.O.W. PLATS OF RECORD

PARCEL 3E80001

LENARD BELSON & ELEANOR BELSON
 TOTAL HOLDING = 13.119 Ac.±
 TOTAL R.O.W. REQUIRED = 0.395 Ac.±
 AREA IN EXIST. R.O.W. = 0.106 Ac.±
 NET R.O.W. REQUIRED = 0.289 Ac.±
 REMAINDER = 12.729 Ac.±

POINT TO POINT	BEARING	DISTANCE
1702	N. 89° 23' 39" E.	1178.45'
2701	S. 03° 43' 02" E.	282.53'
4705	N. 59° 26' 48" W.	131.07'
5706	N. 15° 01' 26" W.	79.23'
6707	N. 43° 57' 50" W.	39.97'
7708	N. 00° 36' 21" W.	40.00'
8702	N. 87° 23' 39" E.	119.13'

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RELEASED BY PUBLIC ACT 85-1227 (HOUSE BILL 3448) OF THE 85TH GENERAL ASSEMBLY, RECORDED AS DOC NO. 88-12789

CERTIFICATION OF SURVEY

I HEREBY CERTIFY THAT THE LAND CORNER TIES AS SHOWN ON THIS PLAN ARE A TRUE AND CORRECT REPRESENTATION OF PART OF A SURVEY MADE UNDER MY DIRECTION.

DATED APRIL 7, 1987 BY Alfred A. Hueneburg
 ALFRED A. HUENEBURG, IALS 35-2128

PARCEL NO. 3E80002

CITY NATIONAL BANK OF KANKAKEE, TRUSTEE
 TOTAL HOLDING = 74.000 Ac.±
 TOTAL R.O.W. AREA REQUIRED = 0.028 Ac.±
 AREA IN EXIST. R.O.W. = 0.025 Ac.±
 NET R.O.W. REQUIRED = 0.003 Ac.±
 REMAINDER = 73.972 Ac.±

POINT TO POINT	BEARING	DISTANCE
1-15	N. 89° 23' 39" E.	1109.65'
15-16	N. 89° 23' 39" E.	50.20'
16-17	S. 00° 36' 21" E.	55.45'
17-18	S. 70° 59' 08" W.	31.56'
18-15	N. 00° 36' 01" W.	45.42'

PARCEL NO. 3E80003

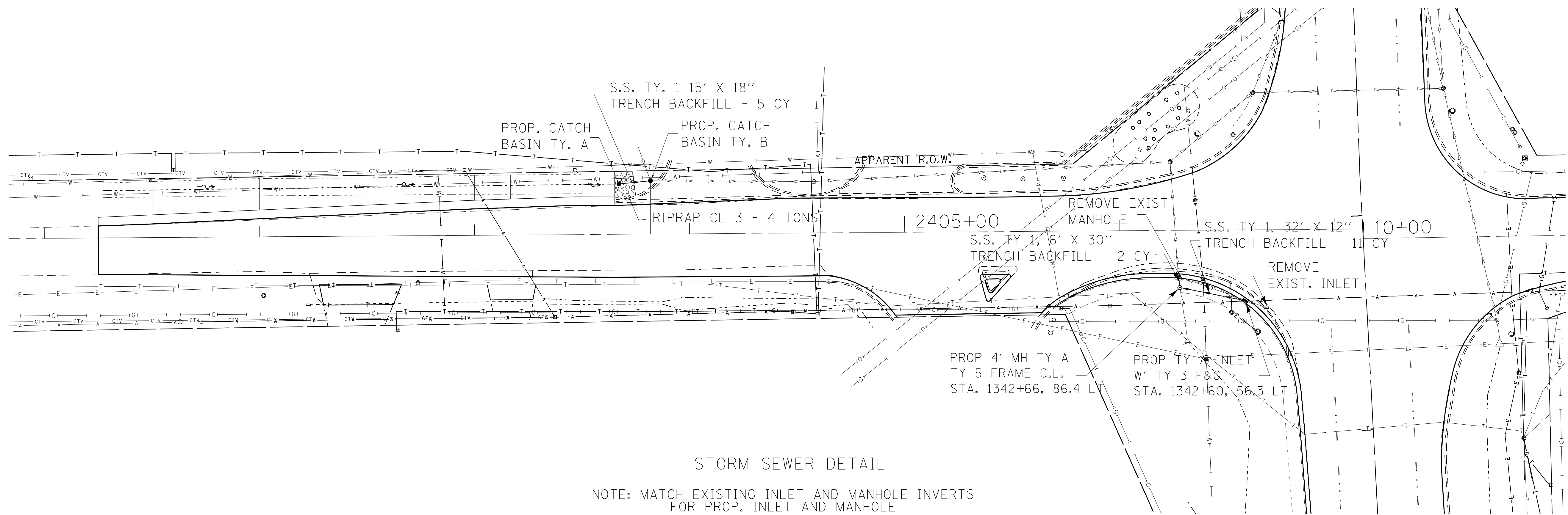
GARY WHEATON BANK, TRUSTEE
 TEMPORARY EASEMENT AREA = 0.080 Ac.±
 PURPOSE: INSTALLATION OF STORM SEWER

POINT TO POINT	BEARING	DISTANCE
1-10	N. 89° 23' 39" E.	1364.66'
10-11	N. 01° 48' 37" W.	103.70'
11-12	N. 01° 48' 37" W.	219.00'
12-13	N. 89° 23' 39" E.	15.00'
13-14	S. 01° 48' 37" E.	248.53'
14-11	N. 28° 29' 48" W.	83.40'

SECTION 16, T.31N., R.12E., 3RD. P.M.

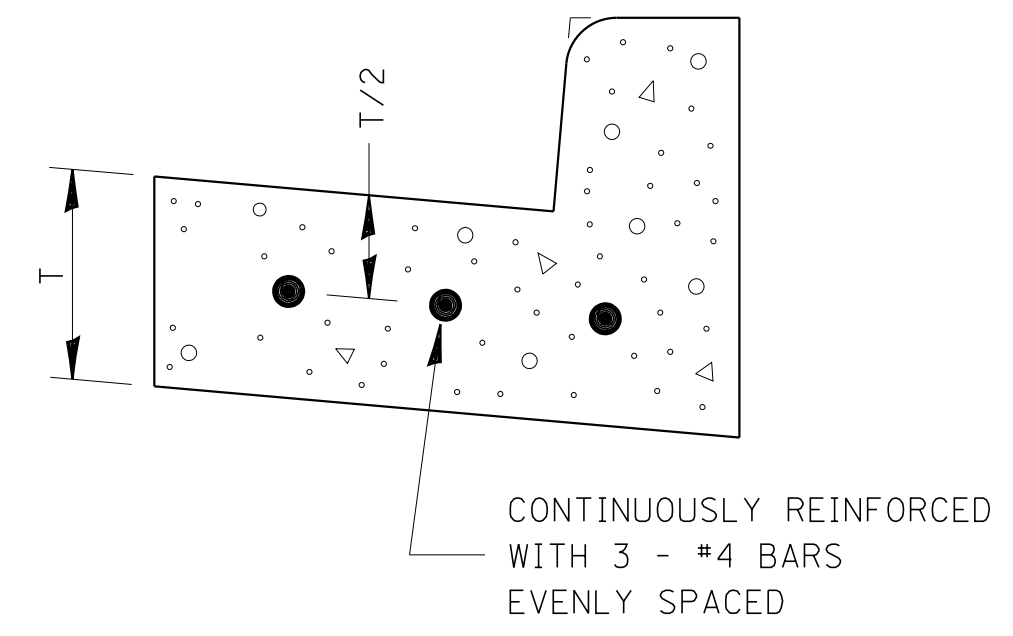
SECTION 9, T.31N., R.12E., 3RD. P.M.

RIGHT OF WAY PLANS
 S.B.I. ROUTE 49 (ILL 50)
 SECTION 140 W&RS-5
 KANKAKEE COUNTY
 JOB NO. R-93-022-86
 STATION 1335+00 TO 14+99.50
 SCALE 1"=50 FT. SHEET 2 OF 3



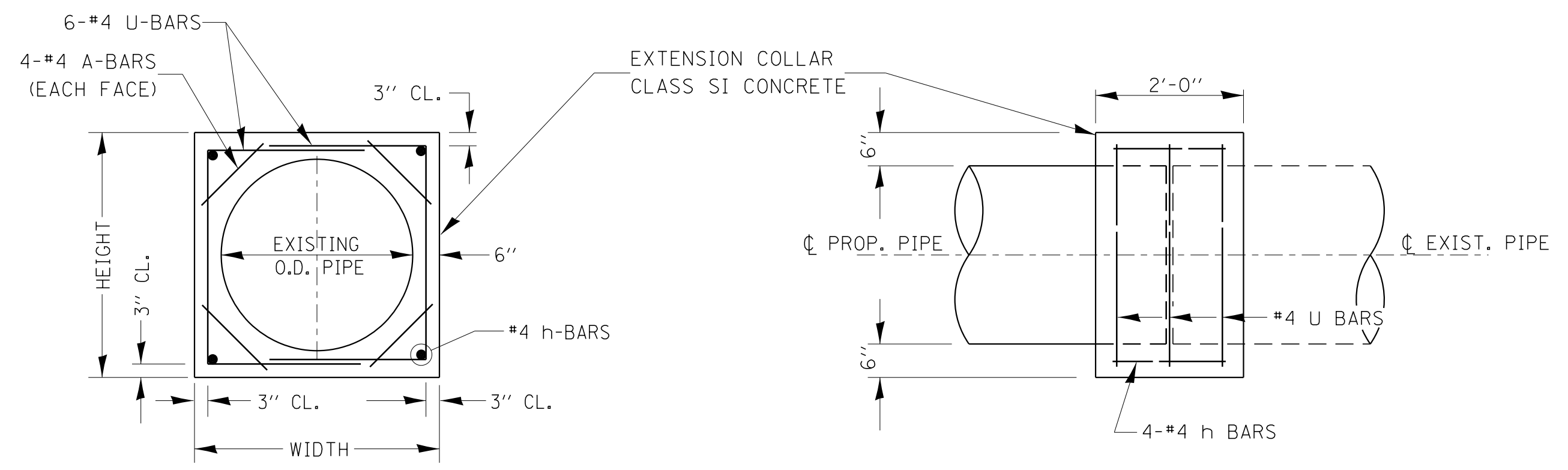
STORM SEWER DETAIL

NOTE: MATCH EXISTING INLET AND MANHOLE INVERTS FOR PROP. INLET AND MANHOLE



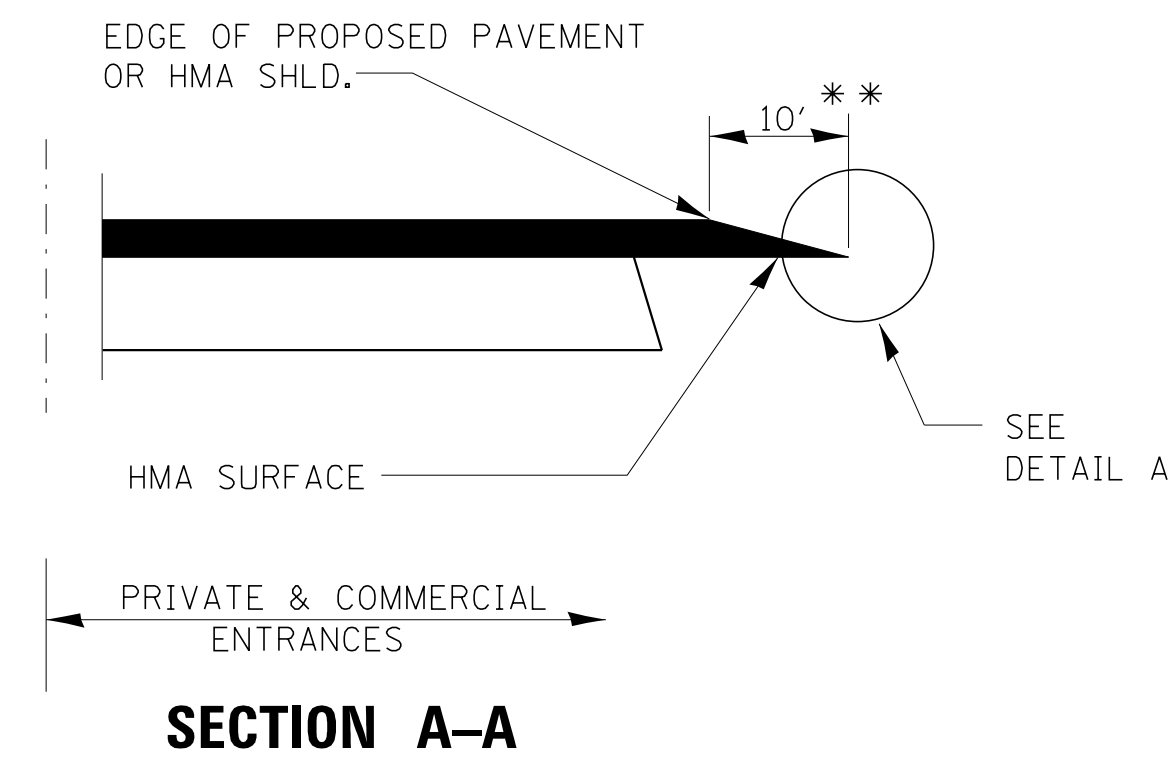
REINFORCEMENT SHALL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR CC&G.

REINFORCEMENT DETAIL FOR COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.24



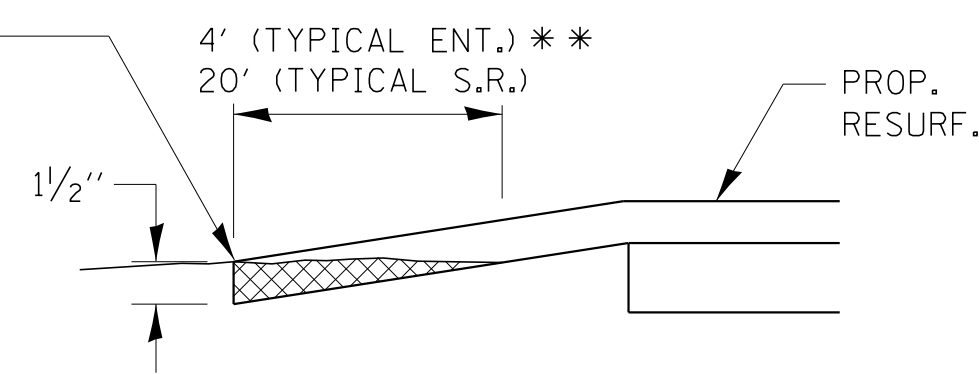
LOCATION	EXISTING CULVERT SIZE FT. x FT.	EXTENSION COLLAR		A-BAR 12 IN.	U-BAR 'X' IN.	h-BAR 'Y' IN.	CONC. COLLAR CU. YD.	REINFORCEMENT BARS POUND
		WIDTH IN.	HEIGHT IN.					
2406+27 RT		49	49		31.5	42	1.0	45

COLLAR DETAIL (DIRECT PIPE CULVERT EXTENSION)



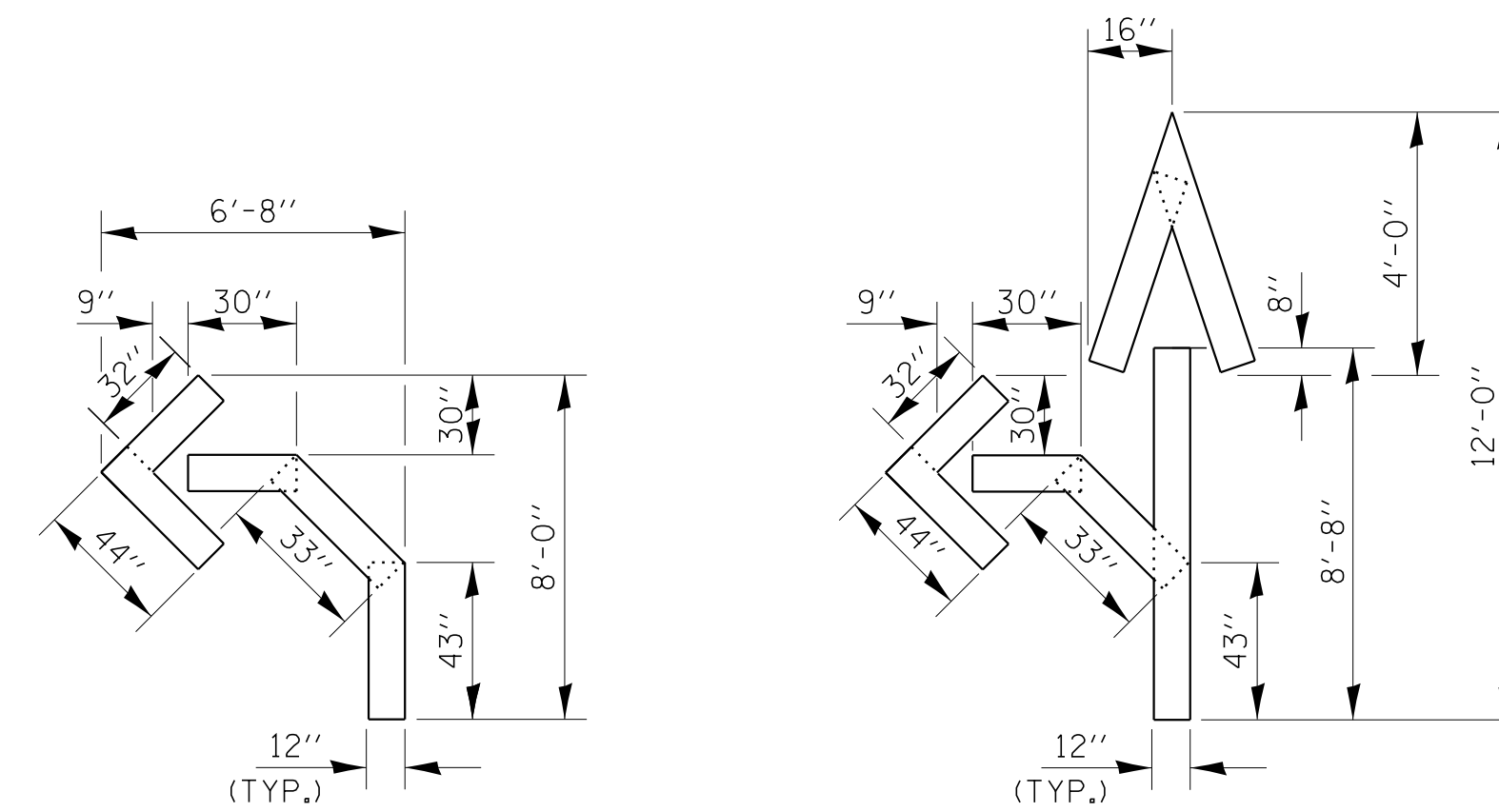
SECTION A-A
DETAILS AT ENTRANCES

THE COST OF REMOVAL AT EXISTING HMA OR P.C.C. LOCATIONS SHALL BE PAID FOR PER SQ. YD. BY THE APPROPRIATE PAY ITEM. REMOVAL AT THE EXISTING AGG. LOCATIONS SHALL BE INCIDENTAL TO THE HMA. A-3 LOCATIONS SHALL BE FEATHER TAPERED.



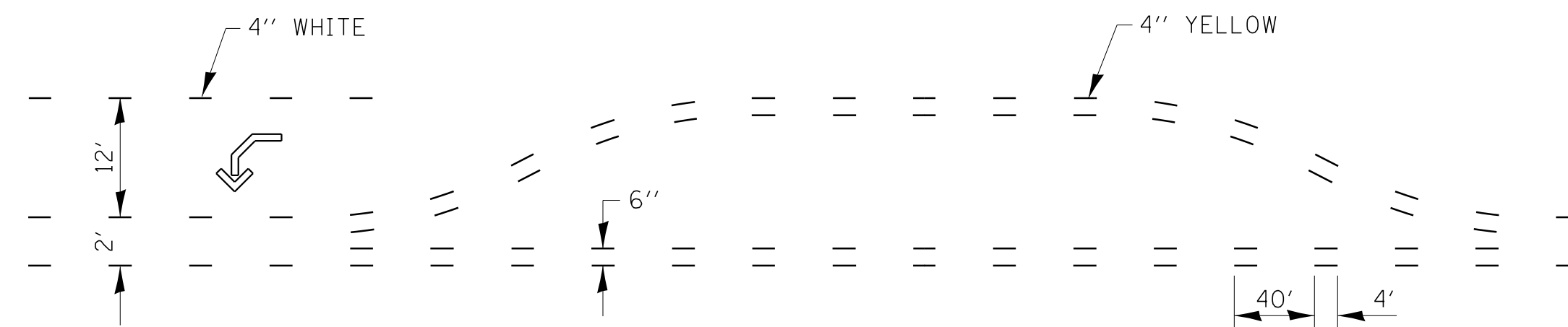
DETAIL A

** PROPOSED HMA RESURFACING AT PUBLIC EDUCATIONAL FACILITY ENTRANCES SHALL BE EXTENDED TO THE RIGHT-OF-WAY LIMITS.

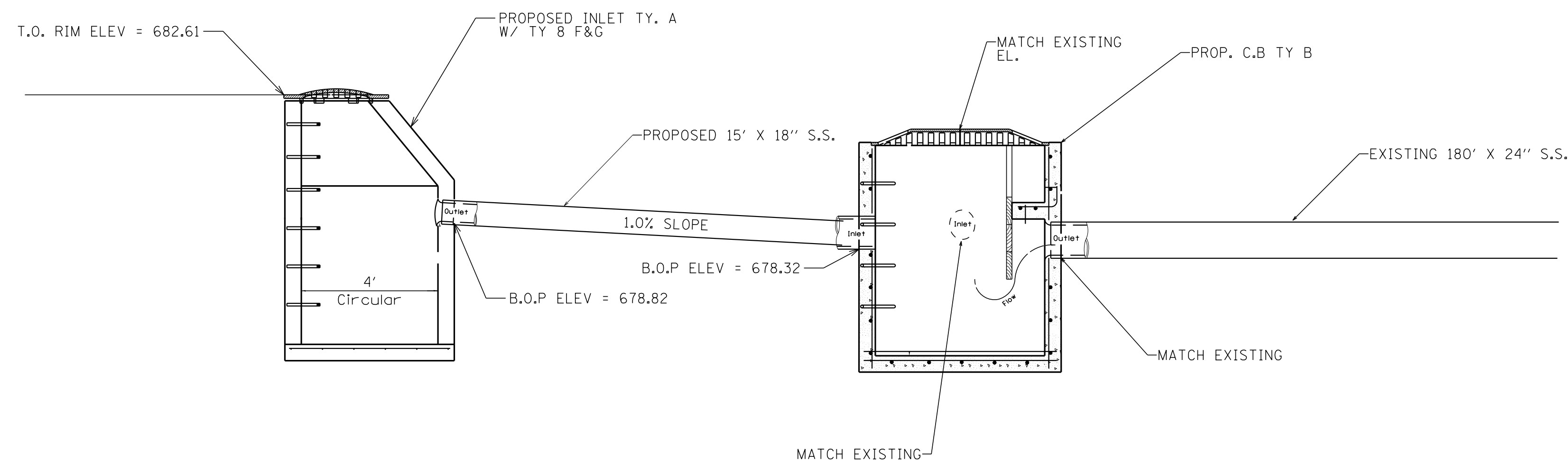


QUANTITY
12" LINE = 16 LIN. FT.
OR 4" LINE = 48 LIN. FT.

QUANTITY
12" LINE = 29 LIN. FT.
OR 4" LINE = 87 LIN. FT.



SHORT-TERM PAVEMENT MARKING
FOR MEDIANS AND ARROWS



CATCH BASIN
CONNECTION DETAIL

FILE NAME =	USER NAME = mcfaddenka	DESIGNED -	REVISED -
C:\pwork\pwork\mcfaddenka\0304617\0366C32-sht-cover.dgn		DRAWN -	REVISED -
PLOT SCALE = 50.0000' / in.		CHECKED -	REVISED -
PLOT DATE = 8/24/2012		DATE -	REVISED -

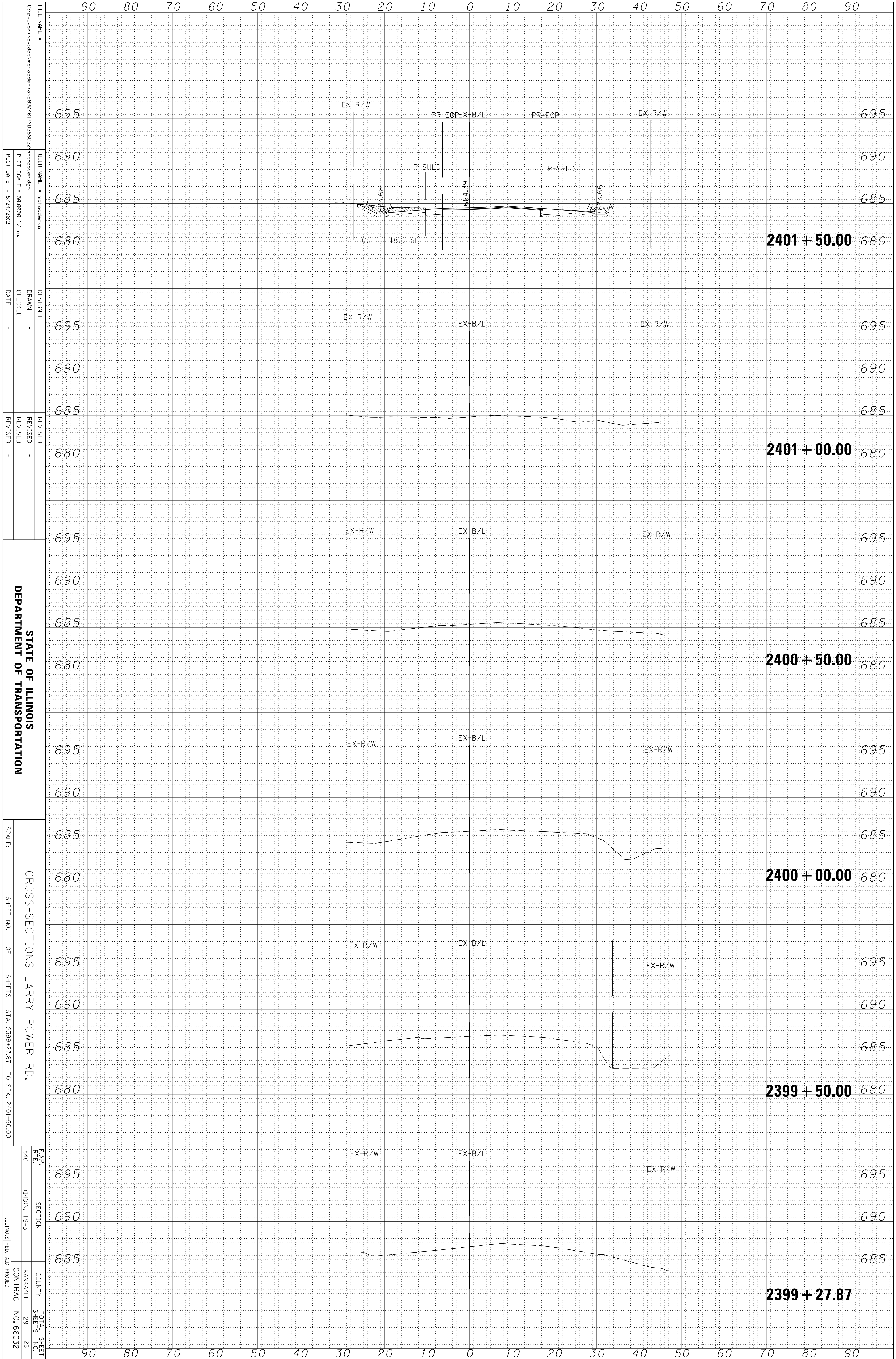
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 840 (IL 50)			
CADD DETAILS			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	(140)N, TS-3	KANKAKEE	29	24
				CONTRACT NO. 66C32
ILLINOIS FED. AID PROJECT				

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

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



FILE NAME = C:\pwwork\pwwork\mcfadden\2401+50.00\2401+50.00.dgn
 USER NAME = mcfadden
 PLOT SCALE = 50.0000 / in.
 PLOT DATE = 8/24/2012

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISIED -
 REVISIED -
 REVISIED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

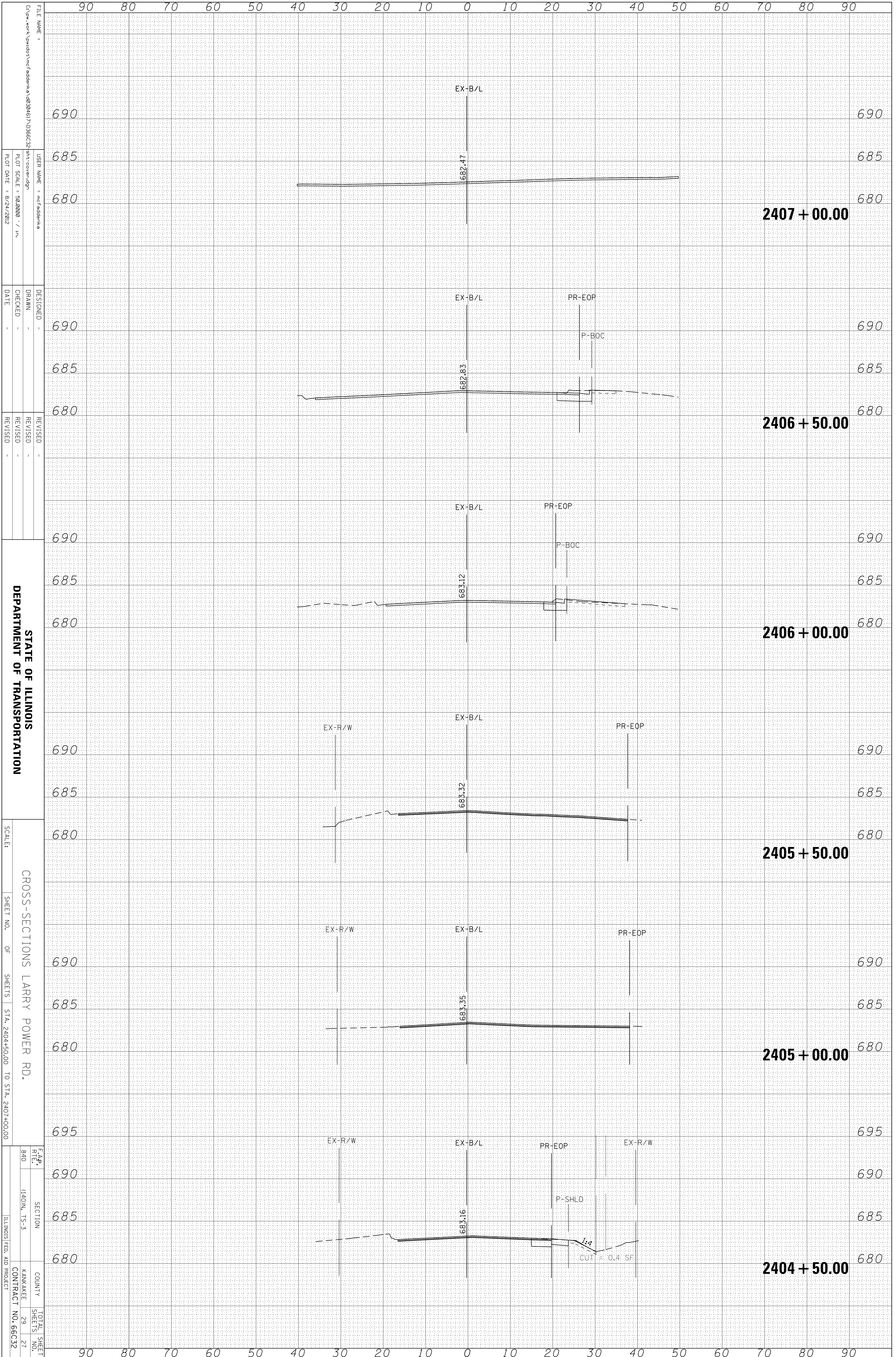
CROSS-SECTIONS LARRY POWER RD.
 SHEET NO. OF SHEETS STA. 2399+27.87 TO STA. 2401+50.00

SCALE:
 SECTION (140M, TS-3)
 COUNTY KANKAKEE
 CONTRACT NO. 66C32

F.A.P. RT. 840
 TOTAL SHEET NO. 29
 SHEET NO. 25

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

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



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 DATE = 8/24/2012

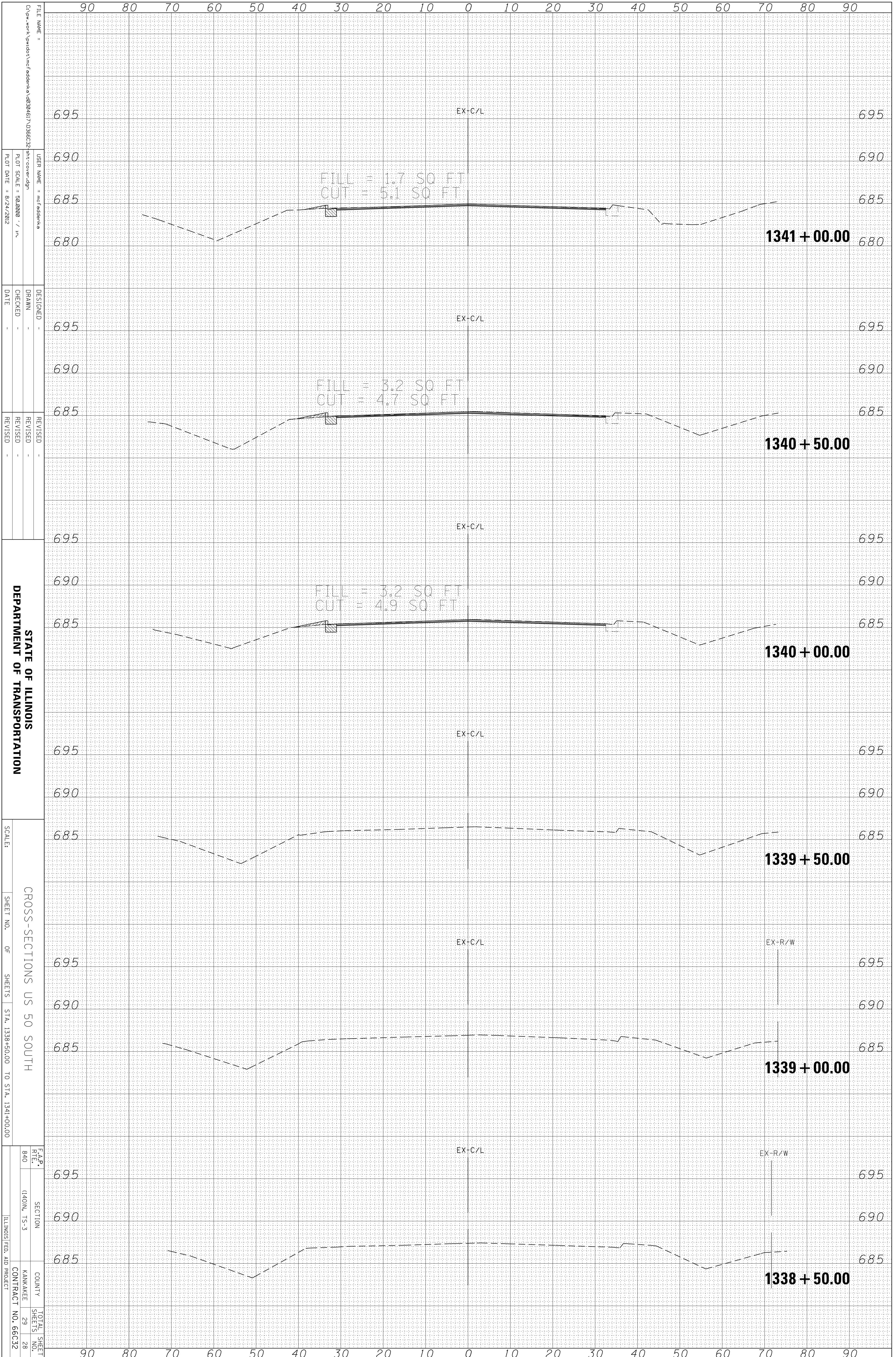
REVISIONS
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS-SECTIONS LARRY POWER RD.
 SCALE: SHEET NO. OF SHEETS STA. 2404+50.00 TO STA. 2407+00.00
 F.A.P. RT# 840 SECTION (40IN. TS-3) COUNTY KANKAKEE TOTAL SHEET NO. 29 OF 27 ILLINOIS FED. AID PROJECT CONTRACT NO. 66C32

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

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



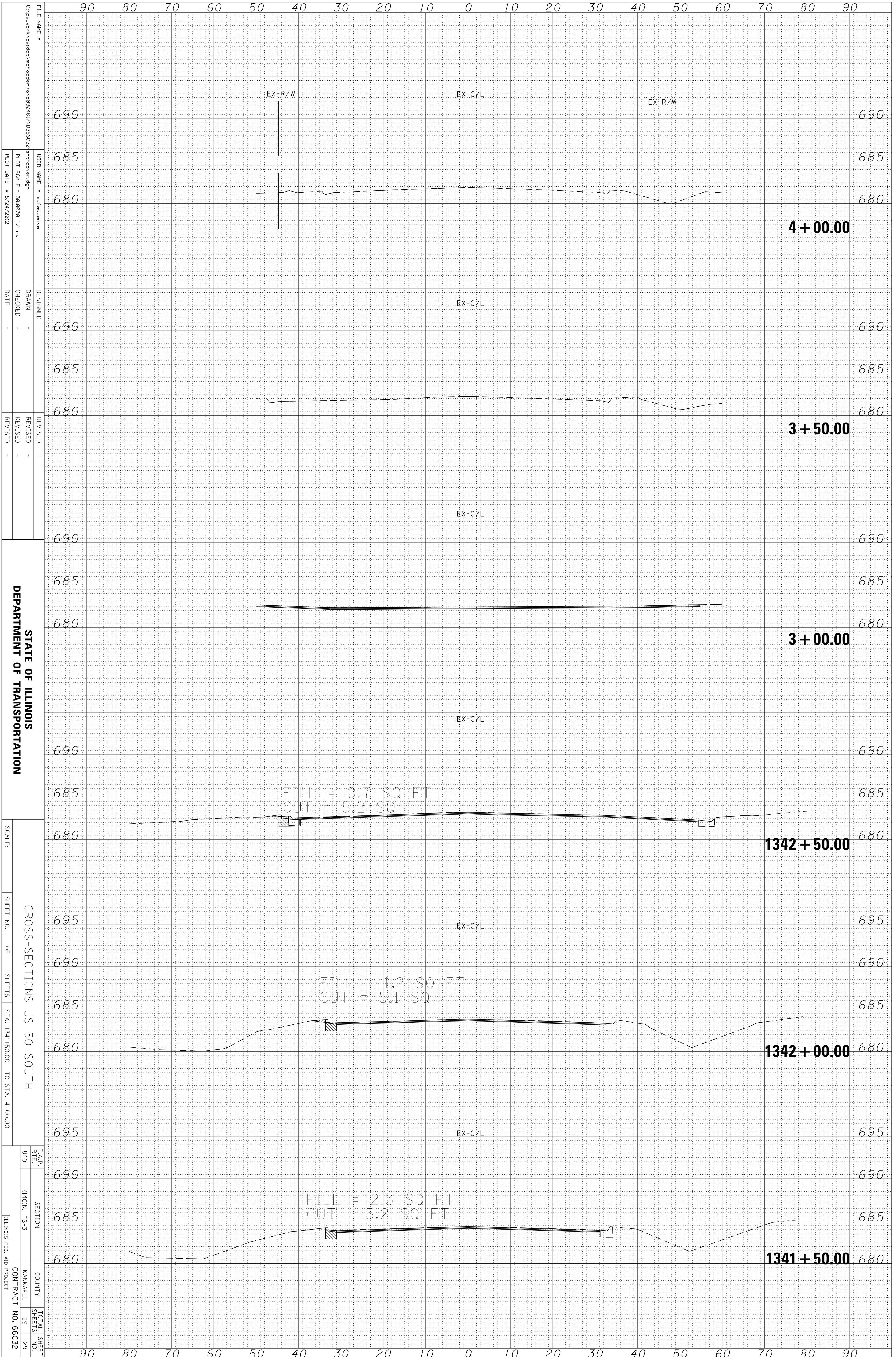
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS-SECTIONS US 50 SOUTH
SHEET NO. OF SHEETS STA. 1338+50.00 TO STA. 1341+00.00

F.A.P. RT#	SECTION	COUNTY	TOTAL SHEET NO.
840	(140N, T5-3	KANKAKEE	29
	ILLINOIS FED. AID PROJECT		28
			CONTRACT NO. 66C32

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

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



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS-SECTIONS US 50 SOUTH

SCALE: SHEET NO. OF SHEETS STA. 1341+50.00 TO STA. 4+00.00

F.A.P. RT#	SECTION	COUNTY	TOTAL SHEET NO.
840	(140N, TS-3	KANKAKEE	29
		CONTRACT NO. 66C32	29

ILLINOIS FED. AID PROJECT