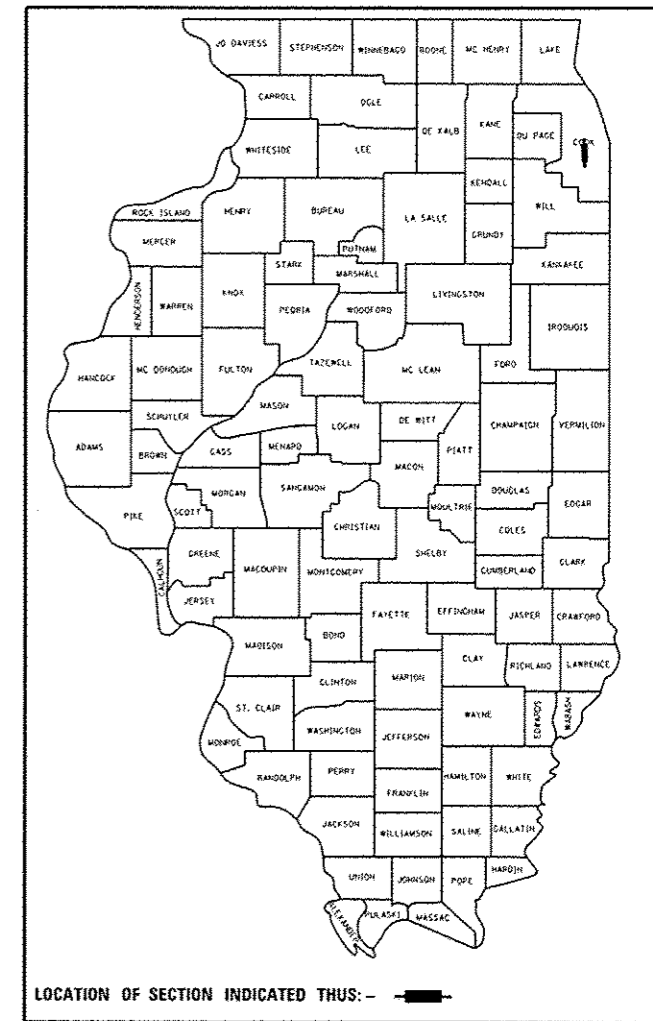


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2424-N	COOK	89	1
ILLINOIS			CONTRACT NO. 60V42	

D-91-551-12



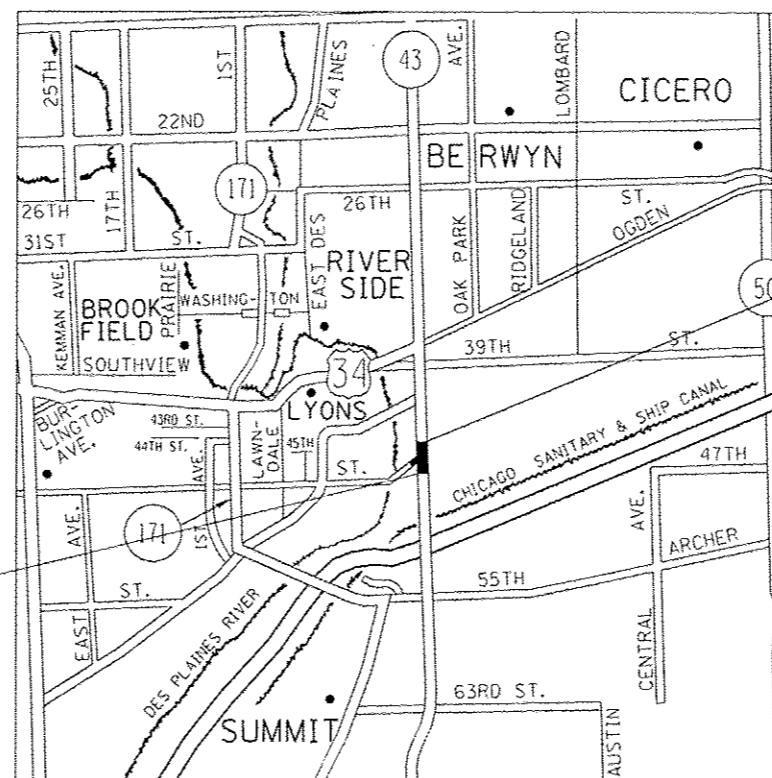
PROPOSED HIGHWAY PLANS

F.A.P. ROUTE 348: IL 43 (HARLEM AVE.)
AT 46TH /47TH ST.
SECTION 2424-N
PROJECT: ACHSIP-0348(057)

INTERSECTION IMPROVEMENT, TRAFFIC SIGNAL MODERNIZATION
COOK COUNTY
C-91-551-12

FOR INDEX OF SHEETS, SEE SHEET NO. 2

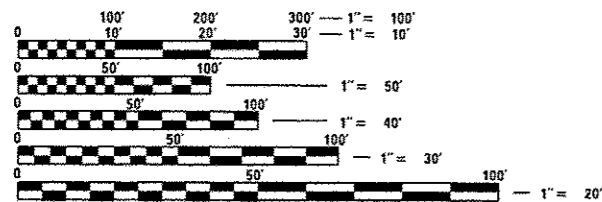
PROJECT IS LOCATED IN:
THE VILLAGE OF FOREST VIEW
THE VILLAGE OF LYONS
THE VILLAGE OF STICKNEY



TRAFFIC DATA:
SPEED LIMIT = 35 MPH
2013 ADT = 37800

PROJECT ENDS:
STA. 461 + 46

PROJECT BEGINS:
STA. 445 + 50



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

PROJECT ENGINEER: DAN WILGREEN (847) 705-4240
PROJECT MANAGER: FAWAD AQUEEL (847) 705-4247

CONTRACT NO. 60V42

GROSS LENGTH = 1596 FEET = 0.302 MILES
NET LENGTH = 1596 FEET = 0.302 MILES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED December 15, 2016
John F. ...
REGIONAL ENGINEER

Jan 07, 2017
Mawson M. Addis PE, Inc.
ENGINEER OF DESIGN AND ENVIRONMENT

Jan 07, 2017
... ..
DIRECTOR OF PROGRAM DEVELOPMENT

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2-3	INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES
4-9	SUMMARY OF QUANTITIES
10-11	TYPICAL SECTIONS
12	SCHEDULE OF QUANTITIES (EARTHWORK)
13-15	ALIGNMENT, TIES AND BENCHMARKS
16-20	ROADWAY PLAN AND PROFILE
21-23	PEDESTRIAN RAMP (ADA) DETAILS
24-35	SUGGESTED MAINTAINANCE OF TRAFFIC
36-41	DRAINAGE AND UTILITY PLAN
42-45	S.U.E. SURVEY
46-49	PLAT OF HIGHWAYS
50-51	PAVEMENT MARKING AND LANDSCAPING PLAN
52-58	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAIL
59	DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS (TC-02)
60-64	TRAFFIC SIGNAL PLANS
65-67	TRAFFIC SIGNAL INTERCONNECT PLANS
68	LIGHTING DETAILS
69	DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB >= 15' (BD-01)
70	DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB < 15' (BD-02)
71	DETAIL OF STORM SEWER CONNECTION TO EXSTING SEWER (BD-7)
72	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING (BD-8)
73	DETAILS FOR PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22)
74	CURB AND GUTTER REMOVAL AND REPLACEMENT (BD-24)
75	BUTT JOINT AND HMA TAPER DETAILS (BD-32)
76	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS (TC-10)

INDEX OF SHEETS CONTINUED

SHEET NO.	DESCRIPTION
77	TYPICAL APPLICATIONS - RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) (TC-11)
78	DISTRICT ON TYPICAL PAVEMENT MARKERS (TC-13)
79	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING (TC-16)
80	ARTERIAL ROAD INFORMATION SIGN (TC-22)
81	DRIVEWAY ENTRANCE SIGNING (TC-26)
82-89	ILLINOIS ROUTE 43 CROSS SECTIONS
✓ STANDARDS	
000001-06	TYPICAL SYMBOLS, ABBREVIATIONS AND PATTERNS
442201-03	CLASS C AND D PATCHES
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
601001-05	PIPE UNDERDRAINS
602001-02	CATCHBASIN-TYPE A
602301-04	INLET-TYPE A
602401-03	MANHOLE TYPE A
604001-04	FRAME AND LIDS TYPE 1
604086-03	FRAME AND GRATE TYPE 23
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701101-05	OFF-RD OPERATIONS, MULTILANE 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701101-05	OFF-RD OPERATIONS, MULTILANE 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE MORE THAN 15' (4.5 m) AWAY OFF-RD OPERATIONS, MULTILANE,
701427-05	LANE CLOSURE, MULTILANE INTERMITTENT OR MOVING OPER. FOR SPEEDS < 40 MPH INTERMITTENT OR MOVING OPER.,
701606-10	URBAN SINGLE LANE CLOSURE, MOUNTABLE MEDIAN MULTILANE, 2W WITH
701611-01	MOUNTABLE MEDIAN MULTILANE, 2W WITH URBAN HALF ROAD CLOSURE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS -DAY ONLY
701502-07	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE

STANDARDS CONTINUED

701901-06	TRAFFIC CONTROL DEVICES
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
814001-03	HANDHOLES
814006-02	DOUBLE HANDHOLES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
873001-02	TRAFFIC SIGNAL GROUND & BONDING
877001-06	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
878001-10	CONCRETE FOUNDATION DETAILS
880001-01	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS

GENERAL NOTES

- ① BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOURS NOTIFICATION REQUIRED).
- ② THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGES OF FOREST VIEW, LYONS AND STICKNEY
- ③ THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- ④ COST OF REMOVING TEMPORARY PAVEMENT MARKINGS IS TO BE INCLUDED IN THE COST OF TEMPORARY PAVEMENT MARKINGS
- ⑤ DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE WORKZONE LIMITS, AS SHOWN ON THE PLANS, SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.
- ⑥ IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM FOUNDATIONS AND VERIFYING THE MAST ARM LENGTHS.
- ⑦ THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.

FILE NAME	USER NAME	DESIGNED	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES IL. RTE. 43 AT 46th/47th STREET		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
\\IL084E9ID\INTEC\illinois.gov\PI601\00	curryw	curryw	1/25/2017 oc					348	2424-N	COOK	89	2
		CHECKED	REVISED					CONTRACT NO. 60V42				
		DATE	REVISED					ILLINOIS FED. AID PROJECT				
				SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.		

GENERAL NOTES CONTINUED...

- 8 THE ENGINEER SHALL CONTACT PATRICE HARRIS, IDOT'S TRAFFIC FIELD ENGINEER AT PATRICE.HARRIS@ILLINOIS.GOV OR AT 708-597-9800, A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKING.
- 9 THE THICKNESS OF THE HMA MIXTURE 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 MIXTURE IS PLACED.
- 10 WHERE SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR, OR AGENT HAS WITNESSED THEIR LOCATION.
- 11 BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING.
- 12 EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
- 13 IF THE SERVICES OF AN ELECTRICAL CONTRACTOR IS REQUIRED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING EXISTING IDOT ELECTRICAL FACILITIES PRIOR TO PERFORMING ANY WORK. IF THE SERVICES OF AN ELECTRICAL CONTRACTOR ARE NOT REQUIRED, THE CONTRACTOR MAY REQUEST ON FREE LOCATE FOR EXISTING IDOT ELECTRICAL FACILITIES FROM THE DISTRICT ONE ELECTRICAL MAINTENANCE CONTRACTOR PRIOR TO THE START OF ANY WORK. ADDITIONAL REQUEST MAY BE AT THE EXPENSE OF THE CONTRACTOR. THE LOCATION OF UNDERGROUND TRAFFIC FACILITIES DOES NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO REPAIR ANY FACILITIES DAMAGED DURING CONSTRUCTION AT THEIR EXPENSE.
- 14 THE CONTRACTOR SHALL CHECK THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR OVERHEAD UTILITY CONFLICTS. THE CONTRACTOR SHALL COORDINATE ANY CONFLICTS WITH THE UTILITY COMPANIES AND THE RESIDENT ENGINEER BEFORE ORDERING MATERIALS
- 15 THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, LOCAL GOVERNMENT AGENCIES AND IDOT.
- 16 THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, LOCAL GOVERNMENT AGENCIES AND IDOT.
- 17 A CONCRETE APRON SHALL NOT BE REQUIRED FOR NEW (UPS) INSTALLATIONS ADJACENT TO EXISTING IMPERVIOUS SURFACES THAT SATISFY THE NEED OF A CONCRETE APRON, AS DIRECTED BY THE ENGINEER

GENERAL NOTES CONTINUED...

- 18 THE SIGNS SHALL BE PLACED JUST PRIOR TO REMOVAL OR COVERING OF THE STRIPE AND SHALL REMAIN IN PLACE UNTIL FULL NO PASSING ZONE STRIPING HAS BEEN RESTORED. THIS WORK WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO EXTRA COMPENSATION WILL BE ALLOWED.
- 19 DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS
- 20 DOUBLE LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL "TYPICAL APPLICATIONS - RAISED REFLECTIVE PAVEMENT MARKERS SNOW-PLOW RESISTANT)" SHOWN IN THE PLANS.
- 21 THE CONTRACTOR SHALL VERIFY THE TYPE/HEIGHT/DEPTH OF EXISTING PIPE/DRAINAGE STRUCTRES PRIOR TO REMOVAL.
- 22 SIDEWALKS SHALL NOT BE REMOVED ON BOTH SIDES AT THE SAME TIME IN ANY LOCATION.
- 23 THE CONTRACTOR SHALL CONTACT THE IDOT DISTRICT 1 TRAFFIC SUPERVISOR AT (847)705-4470 A MINIMUM OF 72 HOURS PRIOR TO BEGINNING WORK.
- 24 PIPE UNDERDRAINS SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE SSRBC AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED MINIMUM 6" BELOW THE AGGREGATE SUBGRADE IMPROVEMENT LAYER. THE COST OF MAKING PIPE UNDERDRAINS CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAINS.

MAINTENANCE OF TRAFFIC NOTES

- 1 THE STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLANS SHALL SERVE AS A GUIDE FOR THE SAFE DIVERSION OF TRAFFIC DURING THE EXECUTION OF THIS CONTRACT. ANY CHANGE TO THE PLANS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL
- 2 THE CONTRACTOR SHALL MAINTAIN TRAFFIC IN ACCORDANCE WITH THE SPECIAL PROVISIONS, STATE STANDARDS, STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.
- 3 THE FURNISHING, INSTALLING, AND RELOCATION OF ALL TRAFFIC SIGNS SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THE STANDARD SPECIFICATIONS
- 4 THE FURNISHING, INSTALLING, AND RELOCATION OF ALL TRAFFIC SIGNS SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THE STANDARD SPECIFICATIONS
- 5 THE CONTRACTOR SHALL ENSURE THAT SIDEWALK IS ALWAYS OPEN ON AT LEAST ONE SIDE OF THE ROADWAY DURING CONSTRUCTION ACTIVITIES
- 6 THE CONTRACTOR SHALL ENSURE THAT SIDEWALK IS ALWAYS OPEN ON AT LEAST ONE SIDE OF THE ROADWAY DURING CONSTRUCTION ACTIVITIES

MAINTENANCE OF TRAFFIC NOTES CONTINUED...

- 8 THE CONTRACTOR SHALL ACCOMMODATE PACE BUS RIDERS WITHIN PROJECT LIMITS
- 9 PER ARTICLE 105.05, THE CONTRACTOR SHALL BE LIABLE FOR COORDINATION AND COOPERATION ACTIVITIES WITH CONTRACT 60T06, 62C19 AND ANY OTHER CONTRACTS WITHIN THE AREA

SUGGESTED SEQUENCE OF CONSTRUCTION

PRE-STAGE:

- INSTALL TEMPORARY SIGNALS AND LIGHTING
- RELOCATE UTILITIES
- CONSTRUCT TRANSVERSE SECTIONS OF PROPOSED DRAINAGE ITEMS USING STANDARDS FOR SINGLE LANE CLOSURES

STAGE 1

- IMPLEMENT STAGE 1 TRAFFIC CONTROL
- EXCAVATE AND INSTALL DRAINAGE ITEMS ALONG SOUTH BOUND TRAFFIC LANES
- COMPLETE WIDENING, TRAFFIC SIGNAL AND ADA OPERATIONS ADJACENT TO SOUTH BOUND TRAFFIC LANES

STAGE 2

- IMPLEMENT STAGE 2 TRAFFIC CONTROL
- EXCAVATE AND INSTALL DRAINAGE ITEMS ALONG NORTH BOUND TRAFFIC LANES
- COMPLETE WIDENING, TRAFFIC SIGNAL AND ADA OPERATIONS ADJACENT TO NORTH BOUND TRAFFIC LANES

FILE NAME * p:\1\184\B4EBIDINTEG\Illinois.gov\P1596\Documents\IDOT Offices\District 1\Projects\P1596\Drawings\Design\P1596\98hst-gennote.dwg	USER NAME * curryw	DESIGNED curryw	REVISED 1/25/2017 ac	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES IL RTE. 43 AT 46th/47th STREET				F.A.P. RTE. 348	SECTION 2424-N	COUNTY COOK	TOTAL SHEETS 89	SHEET NO. 3	
DRAWN Date: Design: P1596\98hst-gennote.dwg				REVISIONS				SCALE: 1" = 40'				SHEET NO. OF SHEETS STA. TO STA.				CONTRACT NO. 60V42 ILLINOIS FED. AID PROJECT	
PLOT SCALE * 1/80.0000 1" = 160'				CHECKED DATE				PLOT DATE * 1/25/2017									

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE						
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	90% FED. 10% STATE	90% FED. 7.5% STATE 2.5% LOCAL	90% FED. 10% LOCAL	100% LOCAL	100% LOCAL	90% FED. 10% STATE
				ROADWAY 0004	SIGNALS 0021	SIDEWALK 0021	EVP 0021	LIGHTING 0021	INTERCONNECT 0021
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	18	18					
20101000	TEMPORARY FENCE	FOOT	301.6	301.6					
20101200	TREE ROOT PRUNING	EACH	6	6					
20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	4	4					
20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	2	2					
20101700	SUPPLEMENTAL WATERING	UNIT	1.5	1.5					
20200100	EARTH EXCAVATION	CU YD	1983.9	1983.9					
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	1587.5	1587.5					
20800150	TRENCH BACKFILL	CU YD	1527.5	1527.5					
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	564	564					
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	7	7					
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	7	7					
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	7	7					
25200110	SODDING, SALT TOLERANT	SO YD	563.1	563.1					
28000400	PERIMETER EROSION BARRIER	FOOT	1870.6	1870.6					

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE						
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	90% FED. 10% STATE	90% FED. 7.5% STATE 2.5% LOCAL	90% FED. 10% LOCAL	100% LOCAL	100% LOCAL	90% FED. 10% STATE
				ROADWAY 0004	SIGNALS 0021	SIDEWALK 0021	EVP 0021	LIGHTING 0021	INTERCONNECT 0021
28000510	INLET FILTERS	EACH	17	17					
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	1445	1445					
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SO YD	89.1	89.1					
35501326	HOT-MIX ASPHALT BASE COURSE, 10 1/2"	SO YD	1059	1059					
35600718	HOT-MIX ASPHALT BASE COURSE WIDENING, 10 1/2"	SO YD	386	386					
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	8202	8202					
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGWAYS	TON	19	19					
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	581	581					
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	99	99					
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	10	10					
42001300	PROTECTIVE COAT	SO YD	8377	8377					

* = SPECIALTY ITEMS

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FILE NAME *	USER NAME *	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
OFFICE/PROJECT/PROJ. NO.	OFFICE/PROJECT/PROJ. NO.	CHECKED -	REVISED -					348	2424-N	COOK	89	4
PLOT SCALE *	PLOT DATE *	DATE -	REVISED -					CONTRACT NO. 60V42			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	
								SCALE:	SHEET NO. OF SHEETS	STA. TO STA.		

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SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE						SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	90% FED 10% STATE	90% FED 7.5% STATE 2.5% LOCAL	90% FED 10% LOCAL	100% LOCAL	100% LOCAL	90% FED 10% STATE	TOTAL QUANTITIES	90% FED 10% STATE	90% FED 7.5% STATE 2.5% LOCAL	90% FED 10% LOCAL	100% LOCAL	100% LOCAL	90% FED 10% STATE		
				ROADWAY 0004	SIGNALS 0021	SIDEWALK 0021	EVP 0021	LIGHTING 0021	INTERCONNECT 0021		ROADWAY 0004	SIGNALS 0021	SIDEWALK 0021	EVP 0021	LIGHTING 0021	INTERCONNECT 0021		
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SO YD	77.3	77.3														
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	5593	2218		3375												
42400800	DETECTABLE WARNINGS	SO FT	80	80														
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SO YD	12152	12152														
44000200	DRIVEWAY PAVEMENT REMOVAL	SO YD	155.2	155.2														
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	2340	2340														
44000600	SIDEWALK REMOVAL	SO FT	1436	1436														
44201803	CLASS D PATCHES, TYPE II, 13 INCH	SO YD	72	72														
44201807	CLASS D PATCHES, TYPE III, 13 INCH	SO YD	48	48														
44201831	CLASS D PATCHES, TYPE III, 15 INCH	SO YD	79	79														
44201833	CLASS D PATCHES, TYPE IV, 15 INCH	SO YD	315.5	315.5														
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	14.8	14.8														
542A8215	PIPE CULVERTS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 30"	FOOT	177	177														
48203019	HOT-MIX ASPHALT SHOULDERS, 5 1/2"	SO YD	458	458														
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	174	174														
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	1022	1022														
550A0470	STORM SEWERS, CLASS A, TYPE 2 42"	FOOT	140	140														
6008204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	2200	2200														
60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	4	4														
60218300	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	2	2														
60221000	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	2	2														
60264130	INLETS TO BE RECONSTRUCTED WITH NEW TYPE 23 FRAME AND GRATE	EACH	2	2														
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	5	5														
60300350	MANHOLE FRAMES TO BE ADJUSTED	EACH	5	5														
60600605	CONCRETE CURB, TYPE B	FOOT	105	105														
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6, 12	FOOT	2340	2340														
66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	600	600														
66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1	1														

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FILE NAME *	USER NAME *	DESIGNED -	REVISED -
OR\Road\District 1\Projects\163607\CA\Design\163607\163607.dwg	currym	currym	currym
PLOT SCALE * 100.0000' / 1"	CHECKED -	REVISED -	REVISED -
PLOT DATE * 12/20/2016	DATE -	REVISED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
SCALE:	SHEET NO. OF	SHEETS	STA. TO STA.

F.A.P. RTE. 348	SECTION 2424-N	COUNTY COOK	TOTAL SHEETS 89	SHEET NO. 5
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60V42	

REV

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE						SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE								
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	90% FED 10% STATE	90% FED 7.5% STATE 2.5% LOCAL	90% FED 10% LOCAL	100% LOCAL	100% LOCAL	90% FED 10% STATE	CODE NO	ITEM	UNIT	TOTAL QUANTITIES	90% FED 10% STATE	90% FED 7.5% STATE 2.5% LOCAL	90% FED 10% LOCAL	100% LOCAL	100% LOCAL	90% FED 10% STATE	
				ROADWAY 0004	SIGNALS 0021	SIDEWALK 0021	EVP 0021	LIGHTING 0021	INTERCONNECT 0021					ROADWAY 0004	SIGNALS 0021	SIDEWALK 0021	EVP 0021	LIGHTING 0021	INTERCONNECT 0021	
66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1						X	72000200	SIGN PANEL - TYPE 2	SO FT	52.5		52.5				
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12						*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	298	298					
67100100	MOBILIZATION	L SUM	1	1																
70300100	SHORT TERM PAVEMENT MARKING	FOOT	31340	31340																
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	10446.7	10446.7						*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	42369	42369					
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SO FT	298	298						*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1341	1341					
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	42369	42369						*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	139	139					
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	1341	1341						*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	124	124					
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	139	139						X	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	309	309					
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	124	124							78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	309	309					
70300510	PAVEMENT MARKING TAPE, TYPE III - LETTERS AND SYMBOLS	SO FT	332.8	332.8						*	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1292	810				382	100
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	6023	6023						*	81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	87	87					
70300540	PAVEMENT MARKING TAPE, TYPE III 6"	FOOT	548	548							81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	576	346				230	
70400100	TEMPORARY CONCRETE BARRIER	FOOT	175	175						*										
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	175	175																* = SPECIALTY ITEMS

REN

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE						SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE						
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	90% FED 10% STATE	90% FED 7.5% STATE 2.5% LOCAL	90% FED 10% LOCAL	100% LOCAL	100% LOCAL	90% FED 10% STATE	CODE NO	ITEM	UNIT	TOTAL QUANTITIES	90% FED 10% STATE	90% FED 7.5% STATE 2.5% LOCAL	90% FED 10% LOCAL	100% LOCAL	100% LOCAL	90% FED 10% STATE	
				ROADWAY 0004	SIGNALS 0021	SIDEWALK 0021	EVP 0021	LIGHTING 0021	INTERCONNECT 0021					ROADWAY 0004	SIGNALS 0021	SIDEWALK 0021	EVP 0021	LIGHTING 0021	INTERCONNECT 0021	
* 87800400	CONCRETE FOUNDATION, TYPE E 30-INCH	FOOT	27		27					* 89501410	RELOCATE EXISTING EMERGENCY VEHICLE	EACH	1						1	
	DIAMETER										PRIORITY SYSTEM, PHASING UNIT									
* 87800415	CONCRETE FOUNDATION, TYPE E 36-INCH	FOOT	24		24					* 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	975							975
	DIAMETER									* 89502375	REMOVE EXISTING TRAFFIC SIGNAL	EACH	1		1					
											EQUIPMENT									
* 88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION,	EACH	5		5					* 89502380	REMOVE EXISTING HANDHOLE	EACH	10		9					1
	MAST-ARM MOUNTED									* 89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	9		9					
* 88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION,	EACH	5		5					X0322917	PROPOSED STORM SEWER CONNECTION TO	EACH	6	6						
	BRACKET MOUNTED										EXISTING MANHOLE									
* 88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION,	EACH	5		5					* X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE	FOOT	425						425	
	MAST-ARM MOUNTED										SENSOR CABLE, NO. 20 3/C									
* 88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE,	EACH	4		4					* X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	375							375
	BRACKET MOUNTED WITH COUNTDOWN TIMER									X0327980	PAVEMENT MARKING REMOVAL - WATER	SQ FT	3134	3134						
* 88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED,	EACH	10		10						BLASTING									
	FORMED PLASTIC									* X1400081	FULL-ACTUATED CONTROLLER AND TYPE SUPER	EACH	1		1					
* 88500100	INDUCTIVE LOOP DETECTOR	EACH	10		10						P CABINET (SPECIAL)									
* 88600100	DETECTOR LOOP, TYPE I	FOOT	900		900					* X1400150	SERVICE INSTALLATION, GROUND MOUNTED,	EACH	1		1					
											METERED									
* 88800100	PEDESTRIAN PUSH-BUTTON	EACH	4		4					X2800315	REMOVE INLET FILTERS	EACH	3	3						
* 89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1		1					X402Z000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	12	12						* = SPECIALTY ITEMS
* 89501400	RELOCATE EXISTING EMERGENCY VEHICLE	EACH	3				3													
	PRIORITY SYSTEM, DETECTOR UNIT																			

FILE NAME *	USER NAME *	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				SUMMARY OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Office: \c:\p1\proj\p196509\CADD\Design\PI96509\PI96509.dwg	Office: \c:\p1\proj\p196509\CADD\Design\PI96509\PI96509.dwg	CHECKED -	REVISED -									348	2424-N	COOK	89	8
PLOT SCALE * 1/8" = 1' / in.	PLOT DATE * 12/20/2016	DATE -	REVISED -	SCALE:				SHEET NO. OF SHEETS STA. TO STA.				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CONTRACT NO. 60V42				

REV

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS (%) @ Ndes	OMP
-PAVEMENT RESURFACING-		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE STONE MATRIX ASPHALT, 9.5, N80	3.5% @ 80 GYR.	OCP
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	3.5% @ 50 GYR.	OC/OA
-WIDENING AND RESURFACING-		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE STONE MATRIX ASPHALT, 9.5, N80	3.5% @ 80 GYR.	OCP
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	3.5% @ 50 GYR.	OC/OA
HMA BASE COURSE WIDENING 10 1/2" (HMA BINDER IL-19 mm)	4% @ 90 GYR.	OC/OA
HMA BASE COURSE (HMA BINDER IL-19 mm) 10 1/2"	4% @ 90 GYR.	OC/OA
-PATCHING-		
CLASS D PATCH (HMA BINDER IL-19 mm)	4% @ 70 GYR.	OC/OA
-DRIVEWAYS-		
HMA BASE COURSE (HMA BINDER IL-19 mm)	4% @ 50 GYR.	OC/OA
HMA SURFACE COURSE, MIX "D", N50 (IL-9.5 mm)	4% @ 50 GYR.	OC/OA
-HMA SHOULDER-		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE STONE MATRIX ASPHALT, 9.5, N80	3.5% @ 80 GYR.	OCP
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	3.5% @ 50 GYR.	OC/OA
HOT-MIX ASPHALT SHOULDER 5 1/2" (HMA BINDER IL-19mm)	4.0% @ 90 GYR.	OC/OA

OMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (OC/OA); QUALITY CONTROL FOR PERFORMANCE (OCP)

NOTES:

QUALITY MANAGEMENT PROGRAM (OMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE

CENTER LINE RUMBLE STRIPS ARE TO BE PLACED ACCORDING TO "RUMBLE STRIPS FOR CENTERLINE, NON-FREEWAY" DETAIL.

THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SOYD/IN

THE "AC TYPE" FOR POLYMERIZED HMA MIXTURES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.

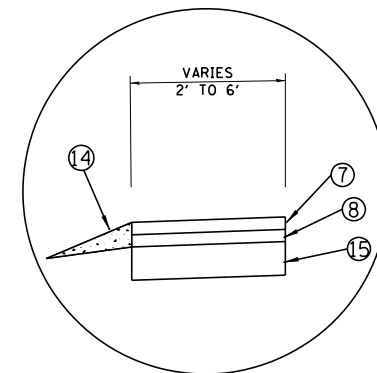
FOR USE OF RECYCLED MATERIALS SEE DISTRICT ONE SPECIAL PROVISIONS

CLASS D PATCHES, 15" SHALL BE USED WHEN INSTALLING NEW STORM SEWER WITHIN THE PAVEMENT

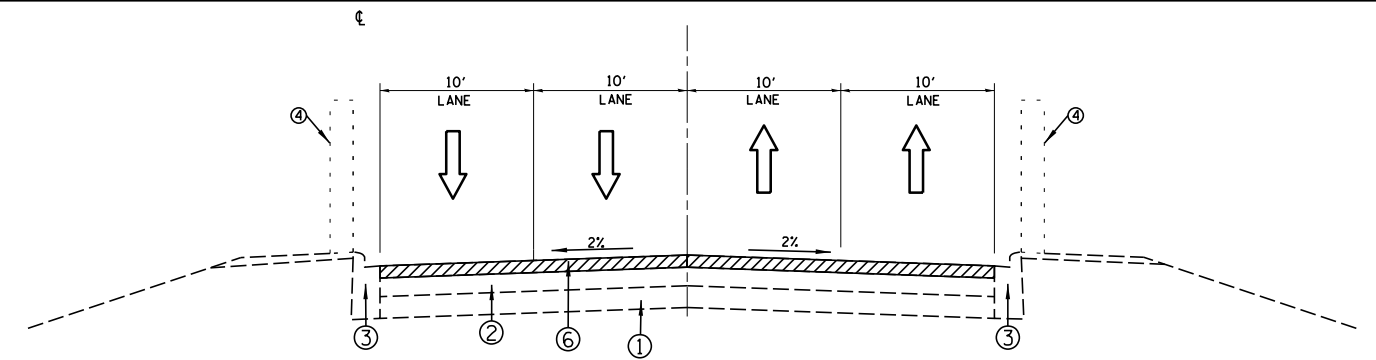
MILLING SHALL BE DONE PRIOR TO PATCHING

LEGEND:

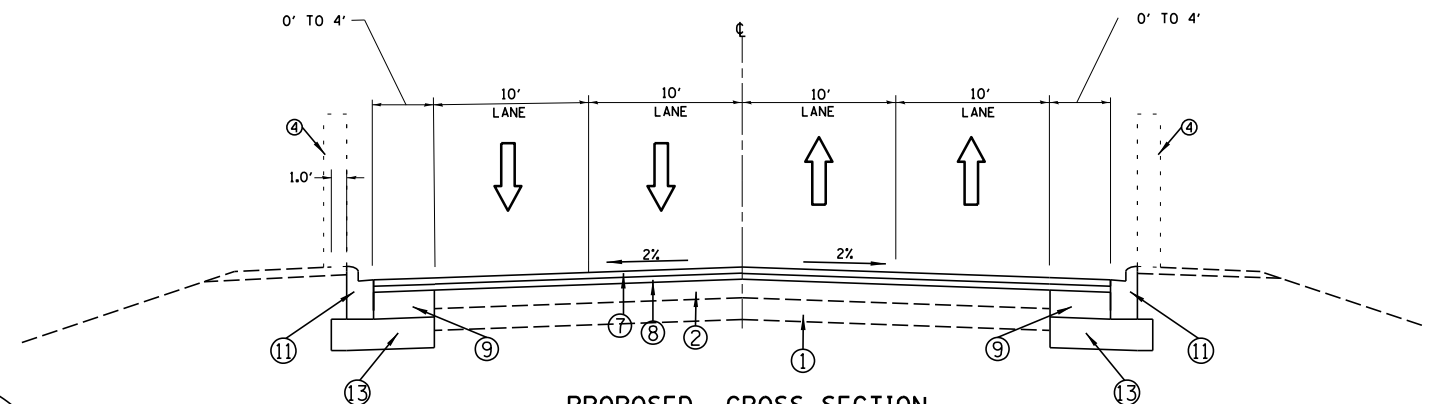
- ① EXIST. PCC. BASE COURSE, 10" (±)
- ② EXIST. HOT-MIX ASPHALT SURFACE (BEFORE MILLING), 5 1/4" (±)
- ③ EXIST. C.C.C.&G, TYPE B-6.12
- ④ EXISTING BRIDGE PIERS
- ⑤ EXISTING SIDEWALK
- ⑥ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- ⑦ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, N80, 1 3/4"
- ⑧ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 3/4"
- ⑨ PROPOSED HMA BASE COURSE WIDENING 10 1/2" [WIDTH < 6']
- ⑩ PROPOSED HMA BASE COURSE 10 1/2" [WIDTH > 6']
- ⑪ PROPOSED COMB. CONC. CURB & GUTTER, TYPE B-6.12
- ⑫ PROPOSED PCC SIDEWALK 5"
- ⑬ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ⑭ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- ⑮ PROPOSED HOT-MIX ASPHALT SHOULDER 5 1/2"



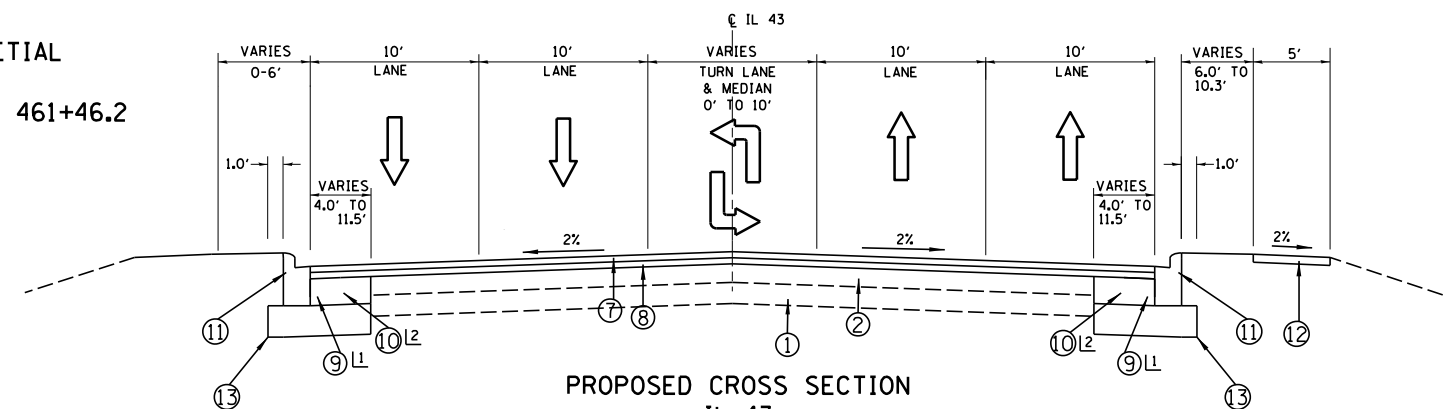
**LEFT SHOULDER DETAIL
IL-43
STA. 454+59.3 TO STA. 461+46.2**



**EXISTING CROSS SECTION
IL-43
STA. 445+50.00 TO STA. 461+46.2**



**PROPOSED CROSS SECTION
IL-43
STA. 445+50.00 TO STA. 450+00.0
STA. 459+00.0 TO STA. 461+46.2**



**PROPOSED CROSS SECTION
IL-43
STA. 450+00.00 TO 459+00.00**

- L1 BASE COURSE WIDENING [WIDTH ≤ 6'] STA. 450+00.0 TO STA. 453+29.0 & STA. 454+41.6 TO STA. 459+00.0
- L2 BASE COURSE WIDENING [WIDTH > 6'] STA. 453+29.0 TO STA. 454+41.6

FILE NAME =	USER NAME = currywaw	DESIGNED currywaw	REVISED 1/24/2017 ac
Default			

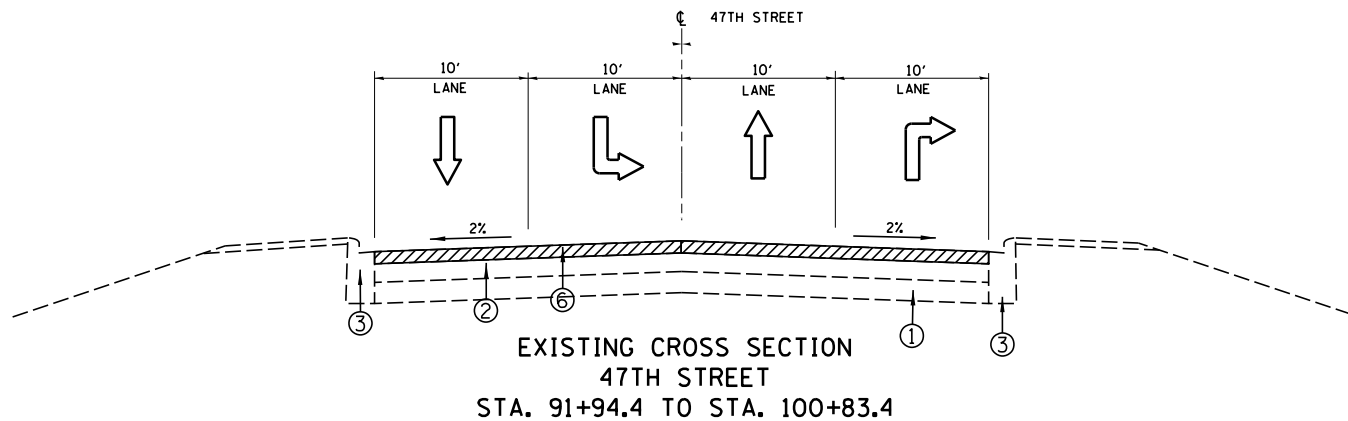
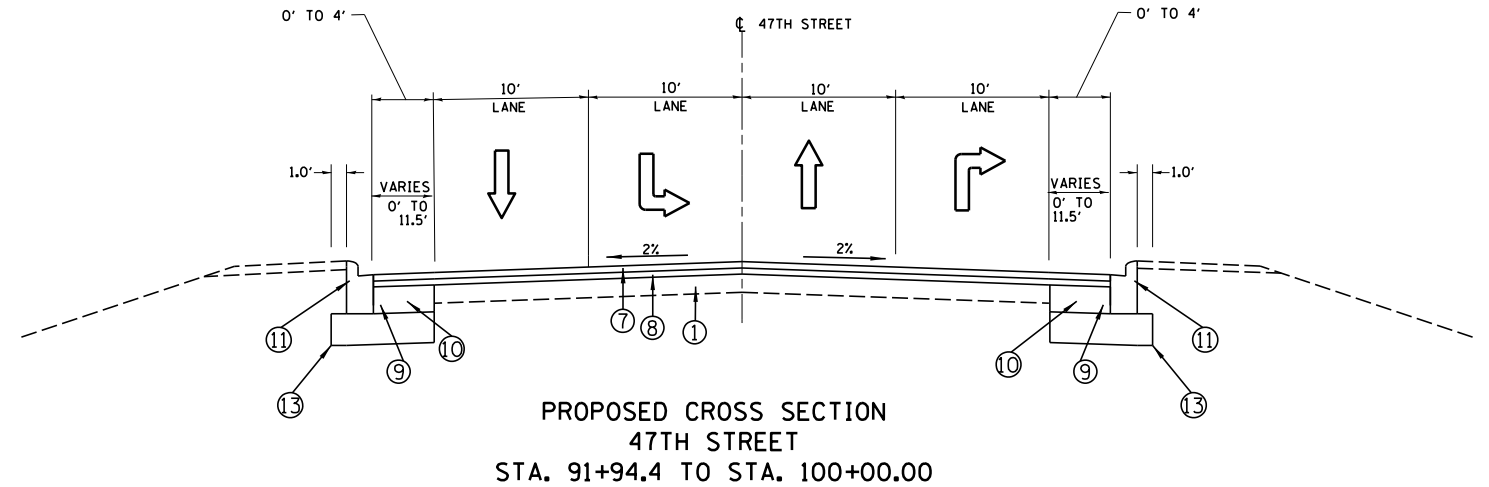
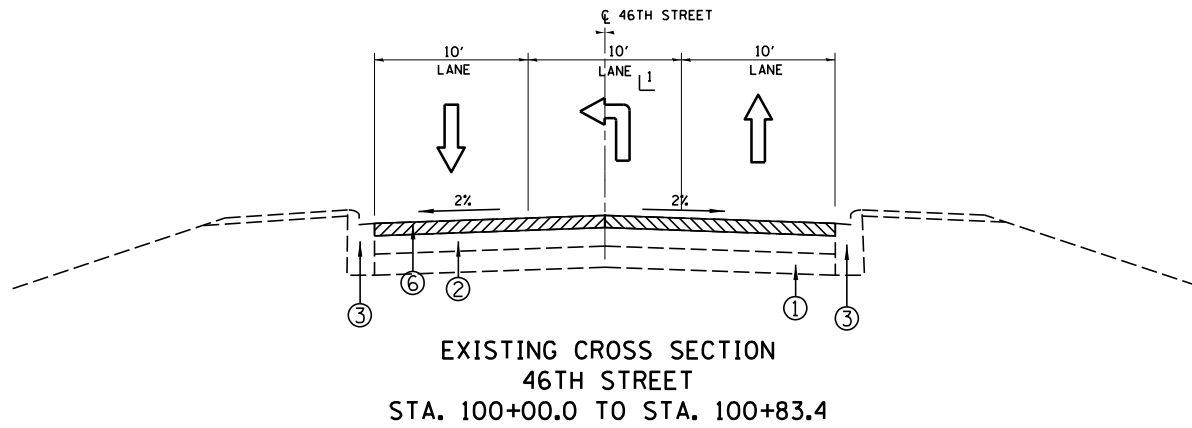
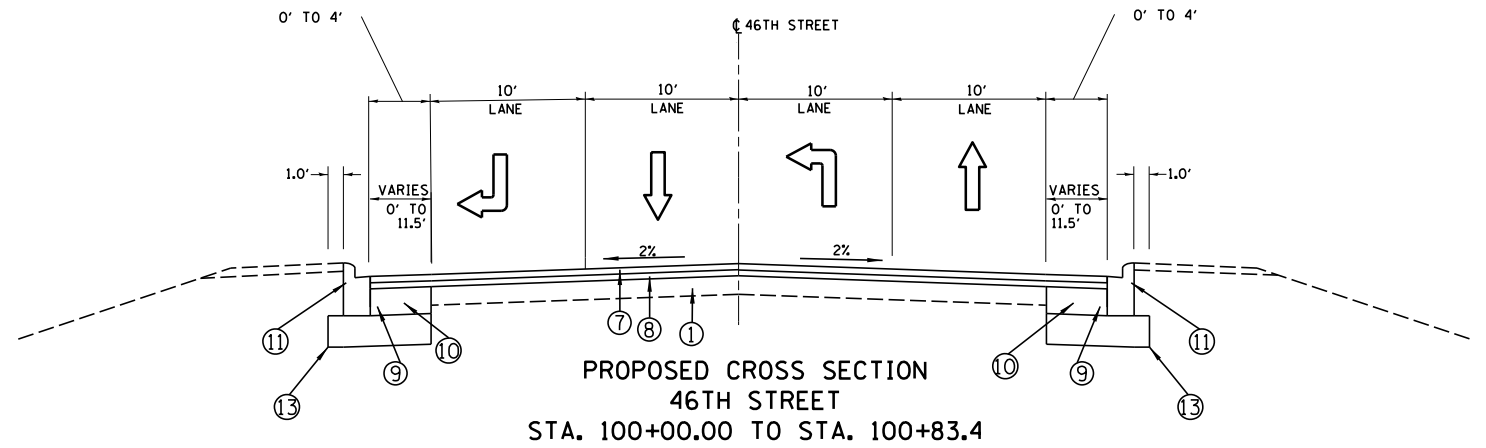
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS IL 43 AT 46th /47th ST.	
SCALE: NONE	SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2424-N	COOK	89	10
CONTRACT NO. 60V42				
ILLINOIS FED. AID PROJECT				

LEGEND:

- ① EXIST. PCC. BASE COURSE, 10''(±)
- ② EXIST. HOT-MIX ASPHALT SURFACE (BEFORE MILLING), 5 1/4'' (±)
- ③ EXIST. C.C.C.&G, TYPE B-6.12
- ④ EXISTING BRIDGE PIERS
- ⑤ EXISTING SIDEWALK
- ⑥ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2''
- ⑦ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, N80, 1 3/4''
- ⑧ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 3/4''
- ⑨ PROPOSED HMA BASE COURSE WIDENING 10 1/2'' [WIDTH < 6']
- ⑩ PROPOSED HMA BASE COURSE 10 1/2'' [WIDTH > 6']
- ⑪ PROPOSED COMB. CONC. CURB & GUTTER, TYPE B-6.12
- ⑫ PROPOSED PCC SIDEWALK 5''
- ⑬ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12''
- ⑭ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- ⑮ PROPOSED HOT-MIX ASPHALT SHOULDER 5 1/2''



- L1 BASE COURSE WIDENING [WIDTH ≤ 6']
STA. 450+00.0 TO STA. 453+29.0
&
STA. 454+41.6 TO STA. 459+00.0
- L2 BASE COURSE WIDENING [WIDTH > 6']
STA. 453+29.0 TO STA. 454+41.6

FILE NAME =	USER NAME = currywaw	DESIGNED eurryaw	REVISED - 1/24/2017 ac
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Default	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -
	PLOT DATE = 1/25/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
IL 43 AT 46th /47th ST.**

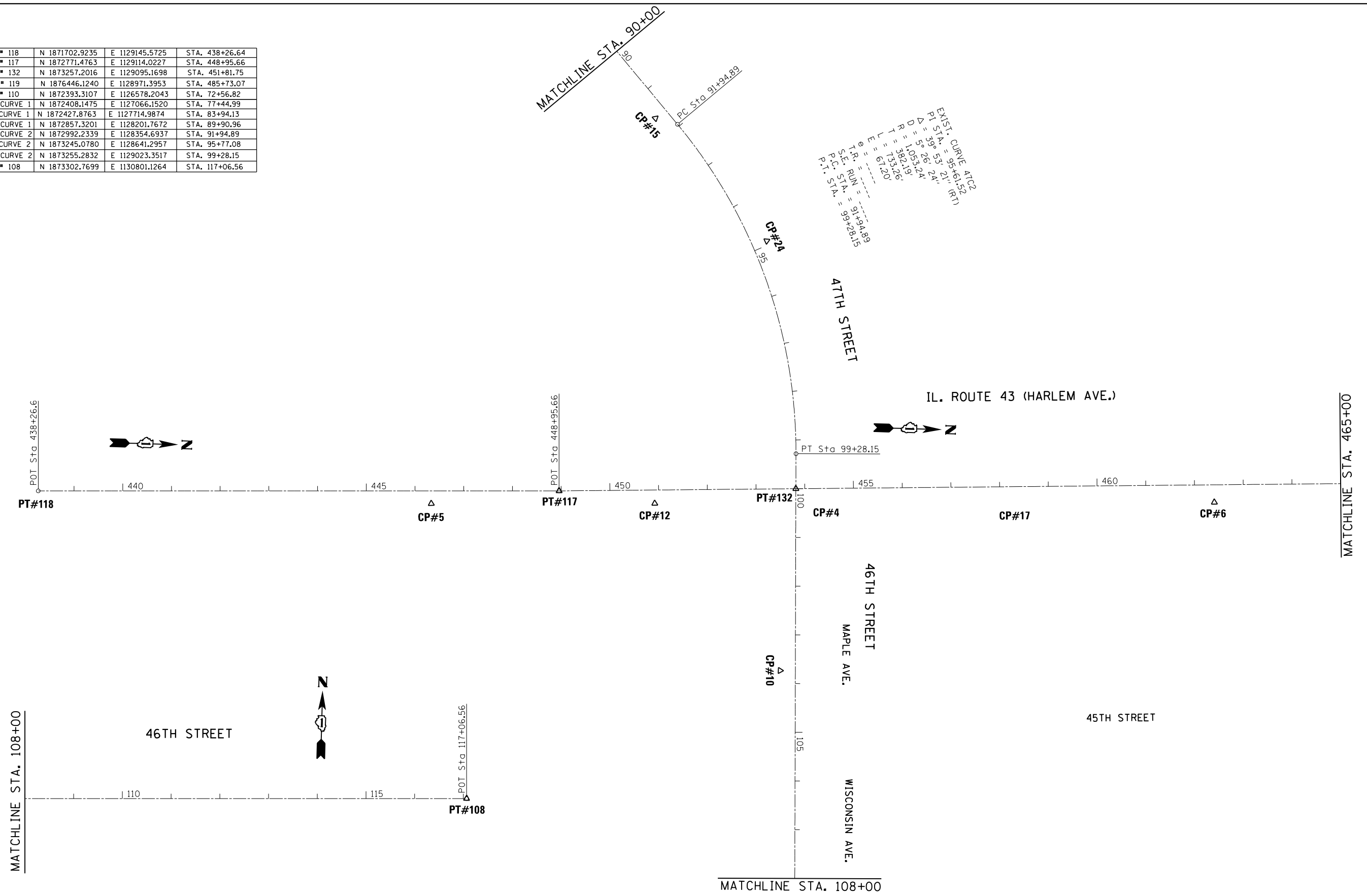
SCALE: NONE SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2424-N	COOK	89	11
CONTRACT NO. 60V42				
ILLINOIS FED. AID PROJECT				

1	2	3	4	5	6	7
PROJECT	EARTH EXCAVATION (Cu. Yd.)	UNSUITABLE MATERIAL (Cu. Yd.)	EMBANKEMENT (Cu. Yd.)	ADJUSTMENT FOR SHRINKAGE (Cu. Yd.)	EARTHWORK BALANCE (Cu. Yd.)	TOP SOIL FURNISH AND PLACE (Sq. Yd.)
IL 43, STA 445+00 TO STA 461+00	1428.4	1141.6	176	243.78	67.78	563.1
46th/47th Street, STA 92+00 to 99+00	555.5	445.5	0	93.5	93.5	0
TOTAL	1983.9	1587.1	176	337.28	161.28	563.1

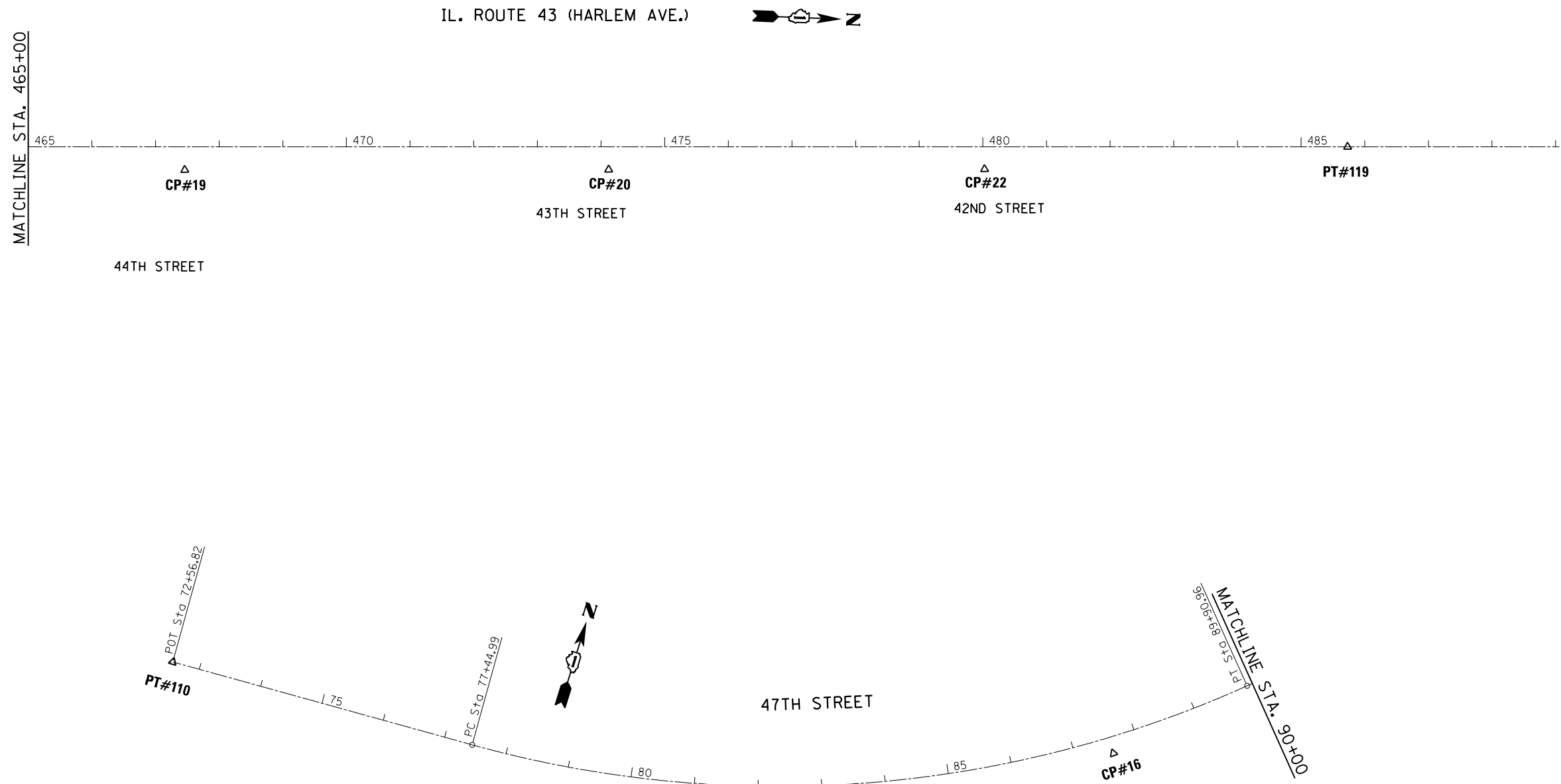
COLUMN 1: Location from plans	COLUMN 5: Estimated suitable earth excavation that can be used as fill material in embankment. (Shrinkage factor of 15% used)
COLUMN 2: Earth Excavation/Cut quantities	
COLUMN 3: Earth Excavation/Cut that is determined to be either unstable or unsuitable for embankment use. [Top soil excavated at 12" (600 mm) average depth.]	
COLUMN 4: Estimated embankment/fill required	
	COLUMN 6: Column 5 - Column 4, positive quantity = extra excavation (Haul away will be required.), negative quantity = furnished excavation will be needed
	COLUMN 7: Topsoil furnish and place = Area of Sodding.

IL. 43	PT# 118	N 1871702.9235	E 1129145.5725	STA. 438+26.64
	PT# 117	N 1872771.4763	E 1129114.0227	STA. 448+95.66
	PT# 132	N 1873257.2016	E 1129095.1698	STA. 451+81.75
	PT# 119	N 1876446.1240	E 1128971.3953	STA. 485+73.07
47th ST.	PT# 110	N 1872393.3107	E 1126578.2043	STA. 72+56.82
	PC CURVE 1	N 1872408.1475	E 1127066.1520	STA. 77+44.99
	PI CURVE 1	N 1872427.8763	E 1127714.9874	STA. 83+94.13
	PT CURVE 1	N 1872857.3201	E 1128201.7672	STA. 89+90.96
	PC CURVE 2	N 1872992.2339	E 1128354.6937	STA. 91+94.89
	PI CURVE 2	N 1873245.0780	E 1128641.2957	STA. 95+77.08
	PT CURVE 2	N 1873255.2832	E 1129023.3517	STA. 99+28.15
	PT# 108	N 1873302.7699	E 1130801.1264	STA. 117+06.56



EXIST. CURVE ATC2
 P.I. STA. = 95+61.52 (RT)
 Δ = 5° 26' 24"
 R = 1,063.24'
 T = 382.19'
 L = 67.20'
 E = 67.20'
 P.C. STA. = 91+35.08
 P.T. STA. = 96+02.26
 S.C. STA. = 93+28.67
 S.R. STA. = 91+61.52
 I.R. = 1.00

FILE NAME =	USER NAME = curryw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENTS, TIES AND BENCHMARKS IL. RTE. 43 AT 46th /47th STREET	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\IL\084EBIDINTEG.illinois.gov\PI\DOT Documents\DOT Offices\District 1\Projects\PI169609\Drawings\CAD\Sheets\PI169609-sht-ATB.dgn		CHECKED -	REVISED -			348	2424-N	COOK	89	13	
Default	PLOT SCALE = 200.0000' / in.	DATE -	REVISED -			CONTRACT NO. 60V42					
	PLOT DATE = 12/19/2016					ILLINOIS FED. AID PROJECT					



EXIST. CURVE 47C1
 PI STA. = 83+67.98
 Δ = 39° 40' 39" (LT)
 D = 3° 11' 04"
 R = 1,799.22'
 T = 649.14'
 L = 1,245.97'
 E = 113.52'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 77+44.99
 P.T. STA. = 89+90.96

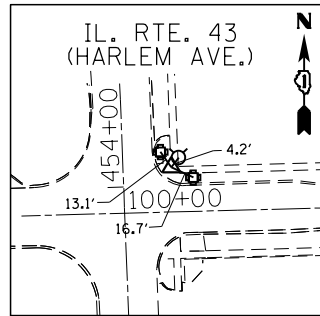
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Default	PLOT DATE = 12/19/2016	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ALIGNMENTS, TIES AND BENCHMARKS
 IL. RTE. 43 AT 46th /47th STREET**

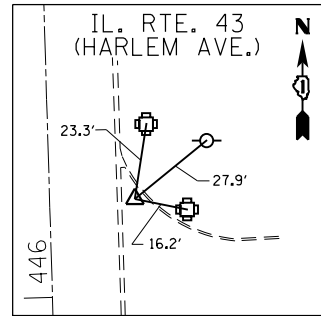
SCALE: 1"=100' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2424-N	COOK	89	14
CONTRACT NO. 60V42			ILLINOIS FED. AID PROJECT	



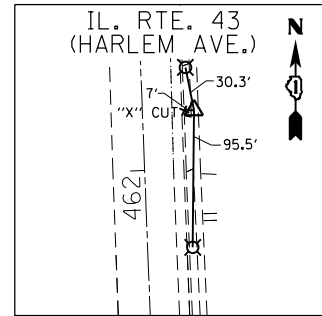
CONTROL POINT 4

SET IR/CAP
 STA. 454+12.45, 33.6' RT. (HARLEM)
 STA. 100+33.25, 31.1' LT. (47th St.)
 N=1873289.1859
 E=1129127.5869
 ELEV.=591.929



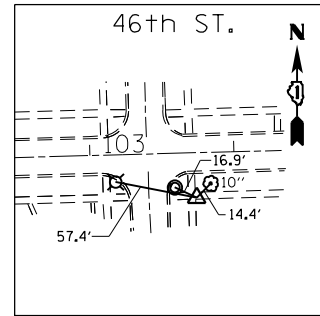
CONTROL POINT 5

SET PK NAIL
 STA. 446+33.3, 26' RT.
 N=1872510.0005
 E=1129147.8032
 ELEV.=585.047



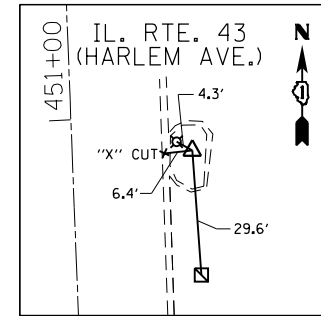
CONTROL POINT 6

SET IR/CAP
 STA. 462+40.5, 35.8' RT.
 N=1874116.6901
 E=1129097.6805
 ELEV.=597.367



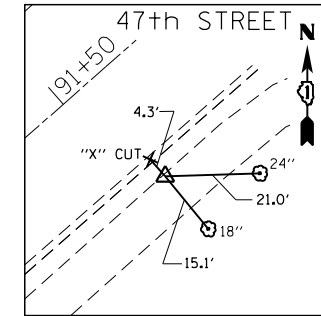
CONTROL POINT 10

SET IR/CAP
 STA. 103+73.31, 31.3'
 N=1873235.8743
 E=1129469.1862
 ELEV.=590.115



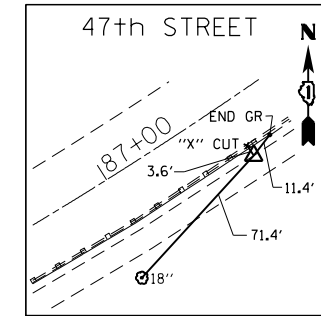
CONTROL POINT 12

SET PK NAIL
 STA. 450+91.8, 27.5' RT.
 N=1872968.6357
 E=1129133.9265
 ELEV.=588.214



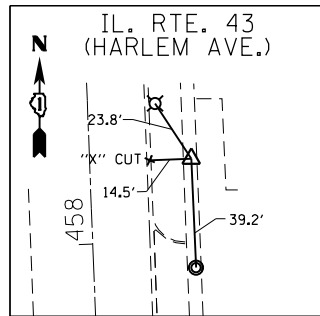
CONTROL POINT 15

SET IR/CAP
 STA. 91+56.37, 26.9' RT.
 N=1872946.5957
 E=1128343.5826
 ELEV.=591.858



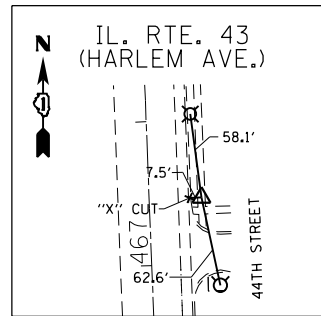
CONTROL POINT 16

SET IR/CAP
 STA. 87+58.49, 25.9' RT.
 N=1872693.7415
 E=1128032.4861
 ELEV.=595.370



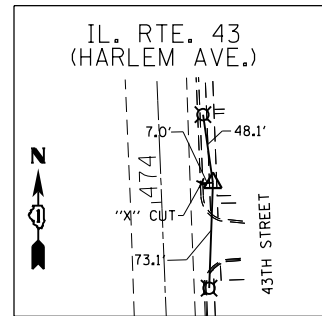
CONTROL POINT 17

SET IR/CAP
 STA. 458+29.03, 36.2' RT.
 N=1873705.5484
 E=1129114.0261
 ELEV.=595.422



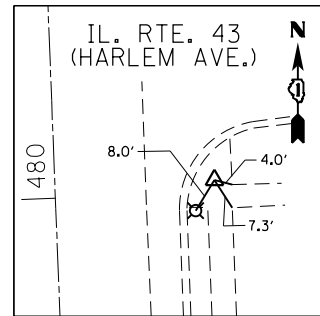
CONTROL POINT 19

SET IR/CAP
 STA. 467+45.96, 36.3' RT.
 N=1874621.7900
 E=1129078.5485
 ELEV.=602.316



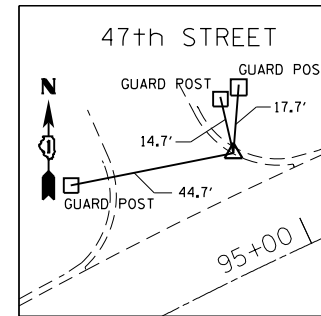
CONTROL POINT 20

SET IR/CAP
 STA. 474+12.1, 36' RT.
 N=1875287.4138
 E=1129052.3654
 ELEV.=607.881



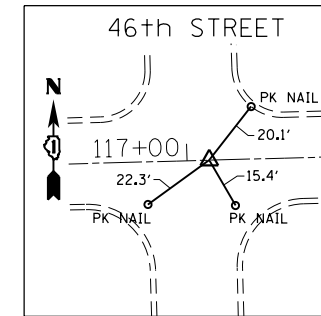
CONTROL POINT 22

"X" CUT IN SIDEWALK
 STA. 480+02.64, 35.2' RT.
 N=1129028.7180
 E=1875877.4860
 ELEV.=607.843



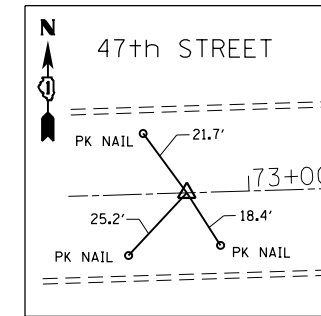
CONTROL POINT 24

"X" CUT IN SIDEWALK
 STA. 94+91.39, 30.73' LT.
 N=1873182.4986
 E=1128588.4140
 ELEV.=593.100



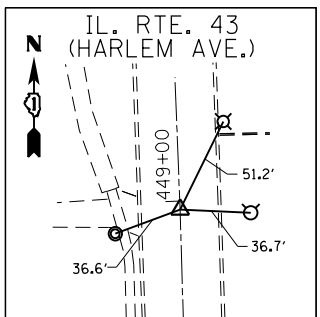
POINT 108

SET PK NAIL
 STA. 117+06.58, 0.0' RT.
 N=1873302.7699
 E=1130801.1264
 ELEV.=589.657



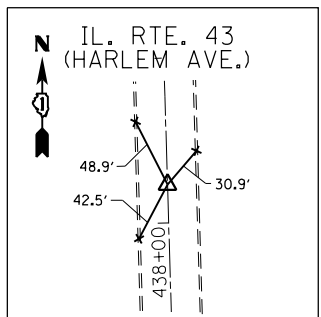
POINT 110

SET PK NAIL
 STA. 72+56.82, 0.0' RT.
 N=1872393.3107
 E=1126578.2043
 ELEV.=608.515



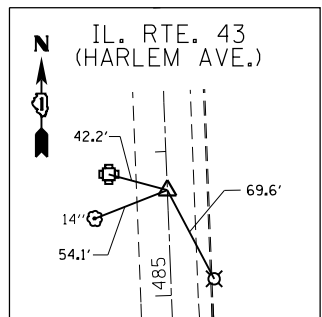
POINT 117

SET PK NAIL
 STA. 448+95.66, 0.0' RT.
 N=1872771.4763
 E=1129114.0227
 ELEV.=585.359



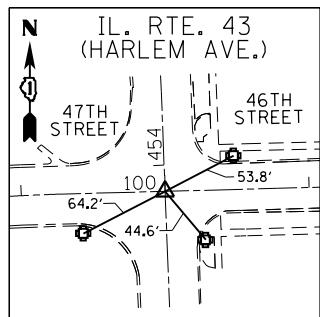
POINT 118

SET PK NAIL
 STA. 438+26.64, 0.0' RT.
 N=1871702.9235
 E=1129145.5725
 ELEV.=596.432



POINT 119

SET PK NAIL
 STA. 485+73.07, 0.0' RT.
 N=1876446.1240
 E=1128971.3953
 ELEV.=



POINT 132

SET PK NAIL
 STA. 451+81.75, 0.0' RT. (HARLEM)
 STA. 99+99.99, 0.0' RT. (47th St.)
 N=1873257.2016
 E=1129095.1698
 ELEV.=

BENCHMARK #1

ELEV. = 591.559
 "X" CUT IN BOLT OF FH NE CORNER
 46th & WISCONSIN AVE.

BENCHMARK #2

ELEV. = 586.889
 -CUT NW CORNER CONC. BASE
 TCB IL 43 & FOREST VIEW

BENCHMARK #3

ELEV. = 592.486
 -CUT SW CORNER CONC. BASE
 NE CORNER IL. 43 & JOLIET

BENCHMARK #5

ELEV. = 609.276
 -CUT SW CORNER CONC. BASE
 TCB NE CORNER IL. 43 & JOLIET

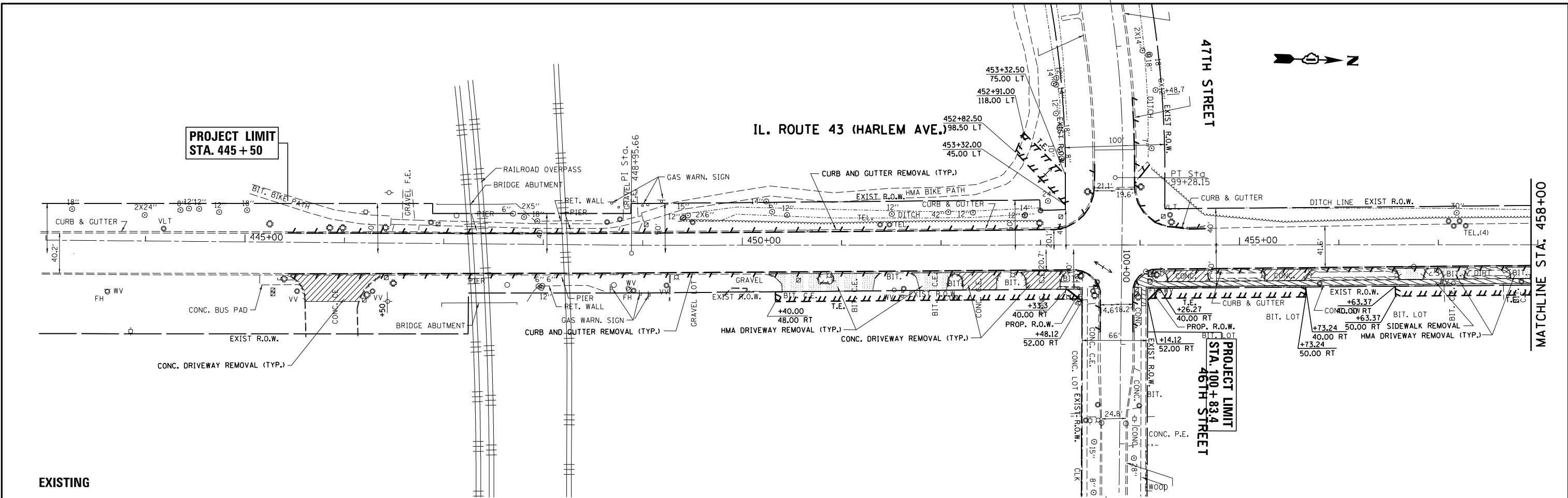
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Default	PLOT DATE = 12/19/2016	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

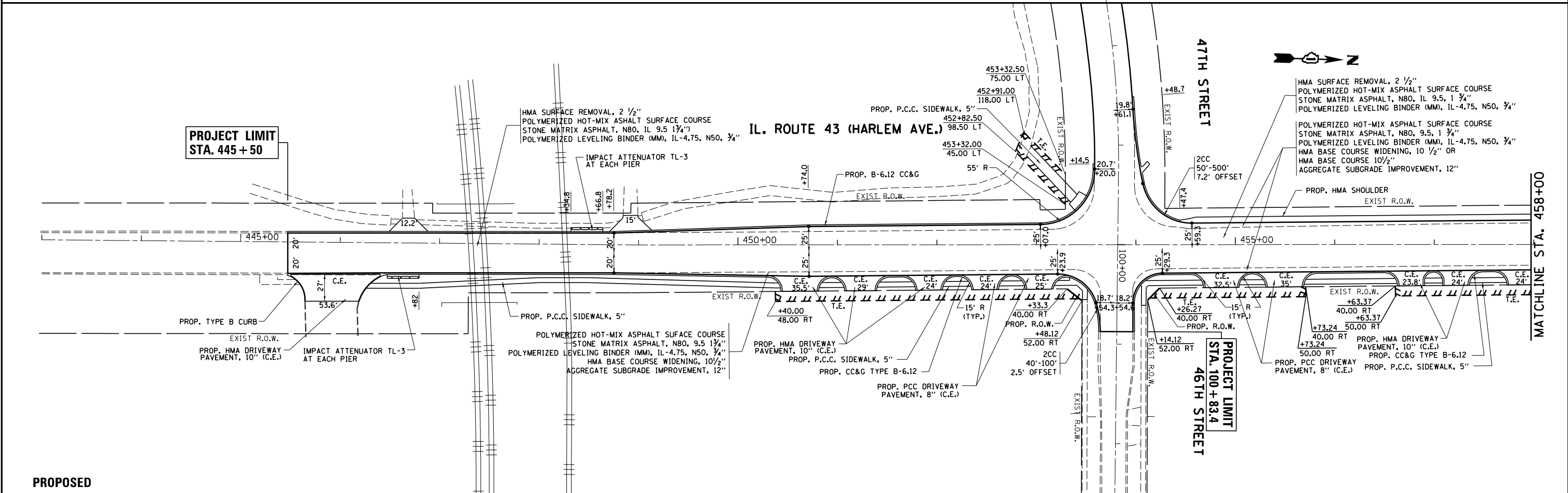
**ALIGNMENTS, TIES AND BENCHMARKS
 IL. RTE. 43 AT 46th /47th STREET**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2424-N	COOK	89	15
CONTRACT NO. 60V42				
ILLINOIS FED. AID PROJECT				

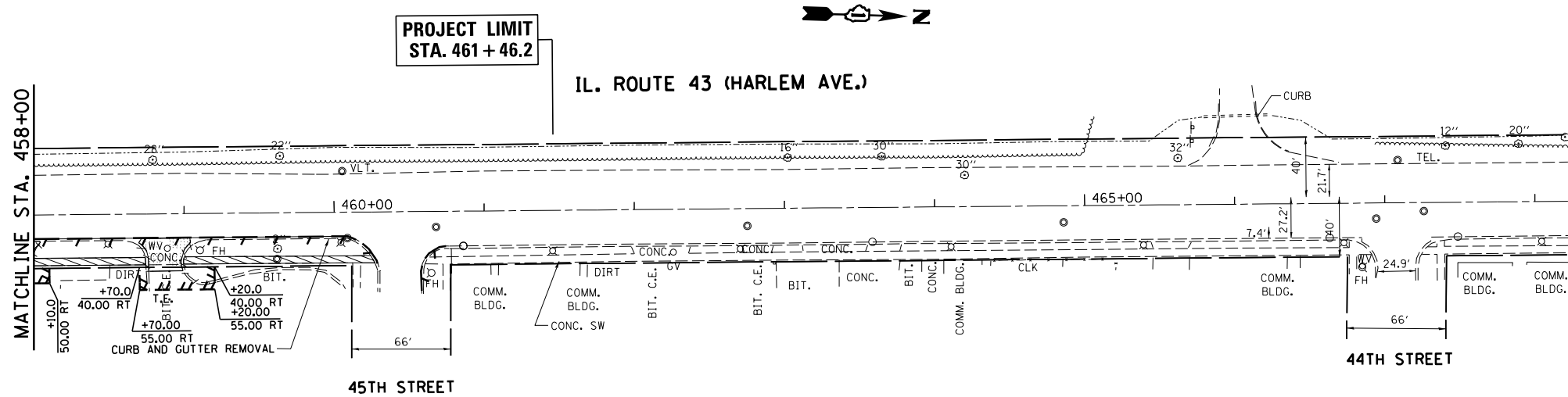


EXISTING

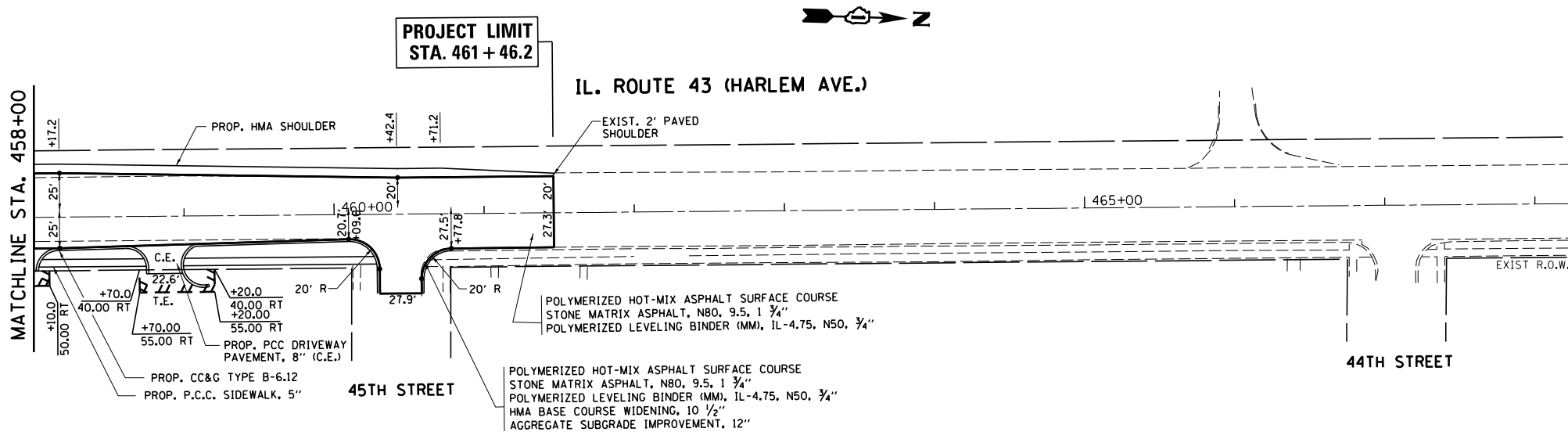


PROPOSED

FILE NAME =	USER NAME = curryw	DESIGNED -	REVISED - 1-25-17 AC	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN IL. RTE. 43 AT 46th/47th STREET			F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBID\INTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\PI69609\Design\PI69609-sht-A\Details		CHECKED -	REVISED -		348	2424-N	COOK	89	16			
Default		DATE -	REVISED -		CONTRACT NO. 60V42							
					ILLINOIS FED. AID PROJECT							



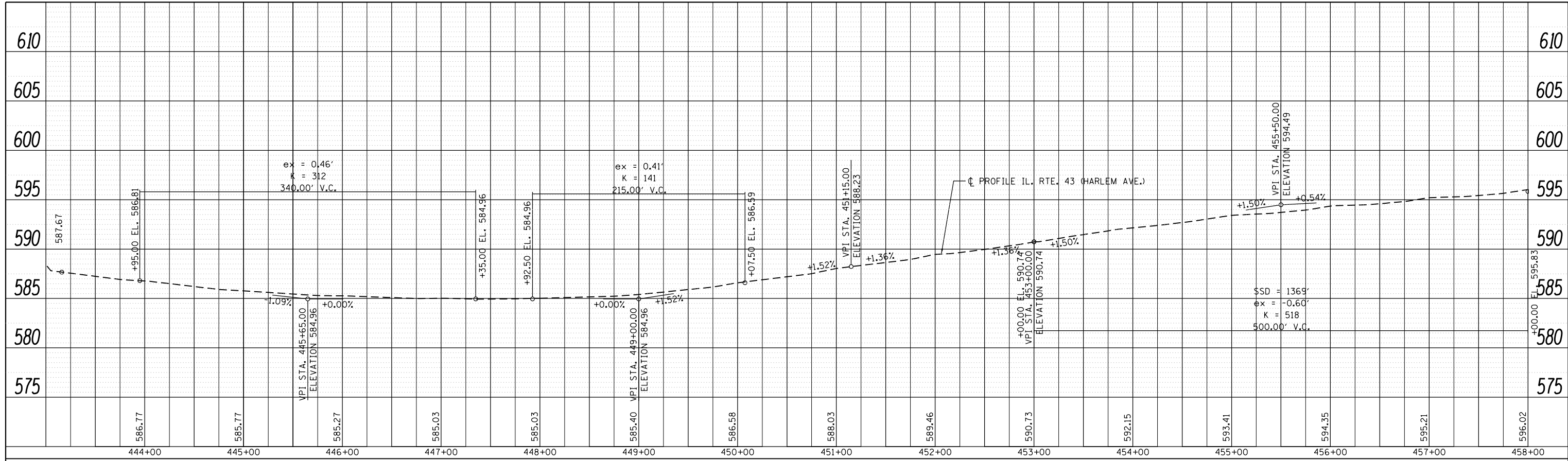
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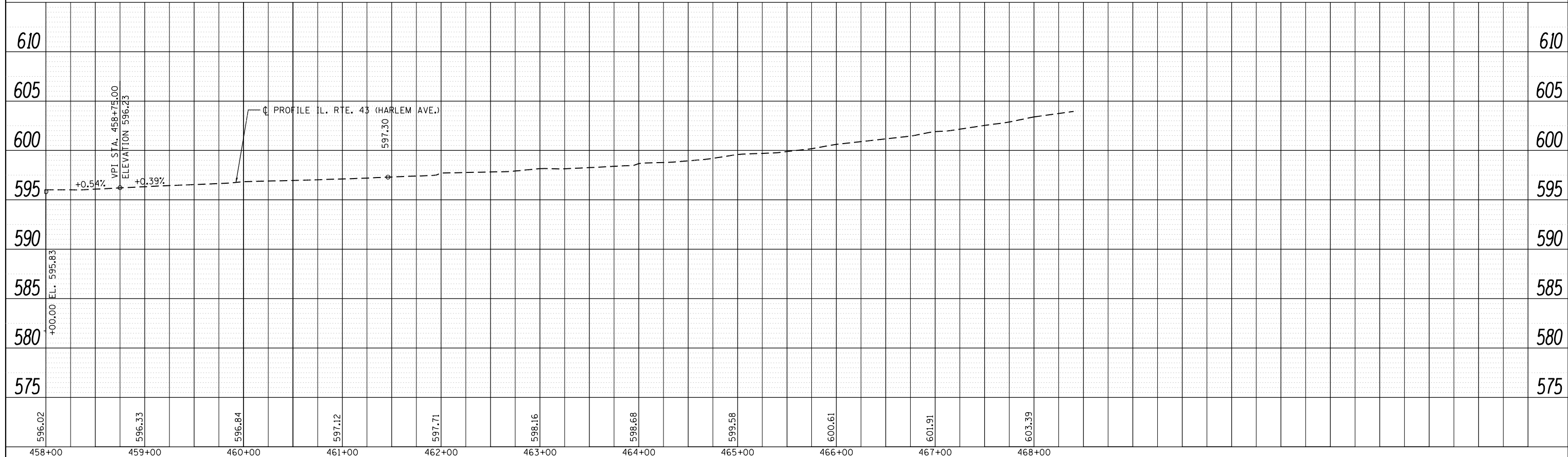
PROPOSED

FILE NAME =	USER NAME = currywaw	DESIGNED -	REVISED - 1-25-17 AC	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN IL. RTE. 43 AT 46th/47th STREET			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default		CHECKED -	REVISED -		348	2424-N	COOK	89	17	CONTRACT NO. 60V42		
		DATE -	REVISED -		SCALE: 1"=50'			SHEET OF SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	ALIGNMENT CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NOTE BOOK NO.		
	CADD FILE NAME		

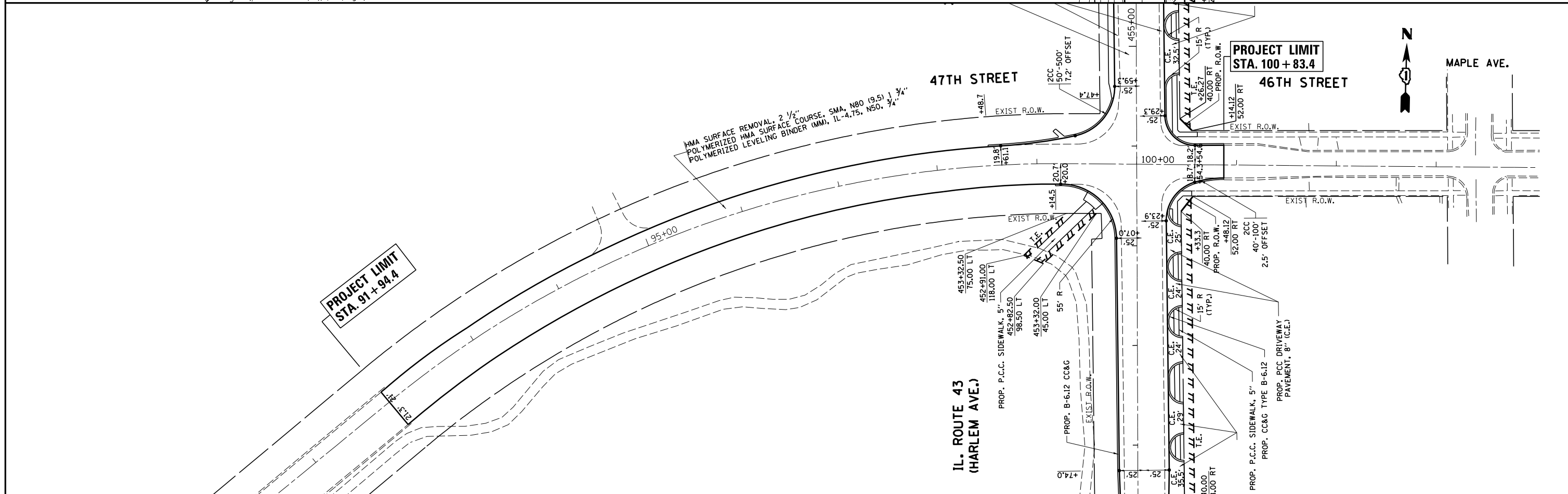
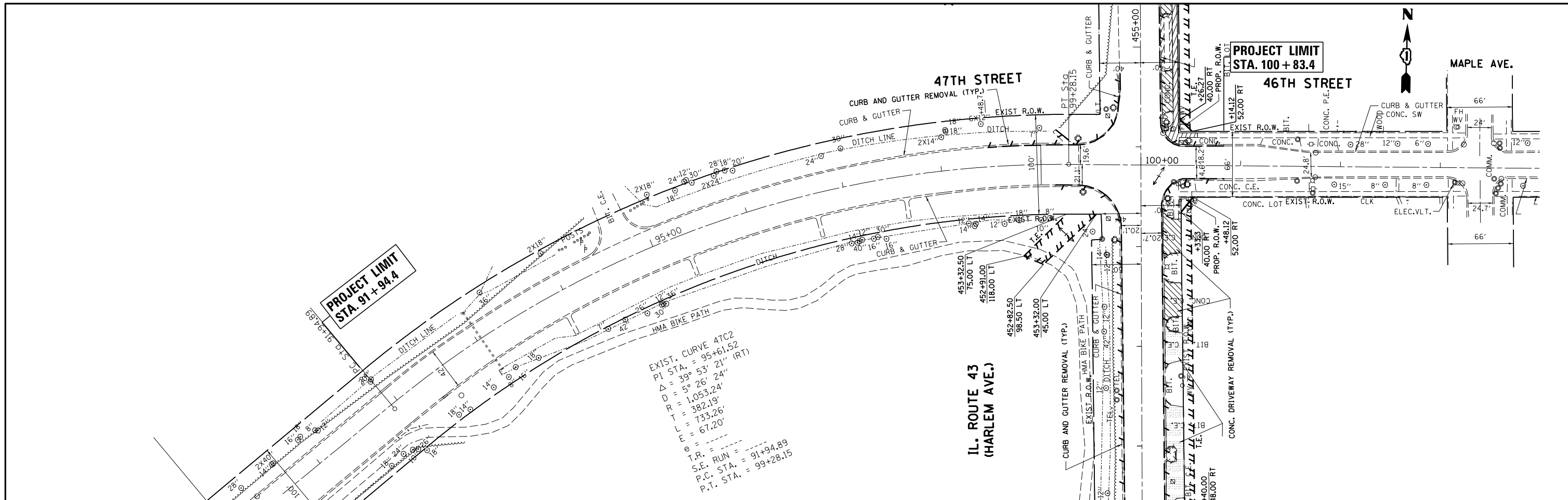


PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NOTE BOOK NO.		
	CADD FILE NAME		



FILE NAME =	USER NAME = curryw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PROFILE IL. RTE. 43 AT 46th/47th STREET		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 10.0000' / in.		CHECKED -	REVISED -		CONTRACT NO. 60V42						
Default	PLOT DATE = 12/19/2016	DATE -	REVISED -		ILLINOIS FED. AID PROJECT						

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

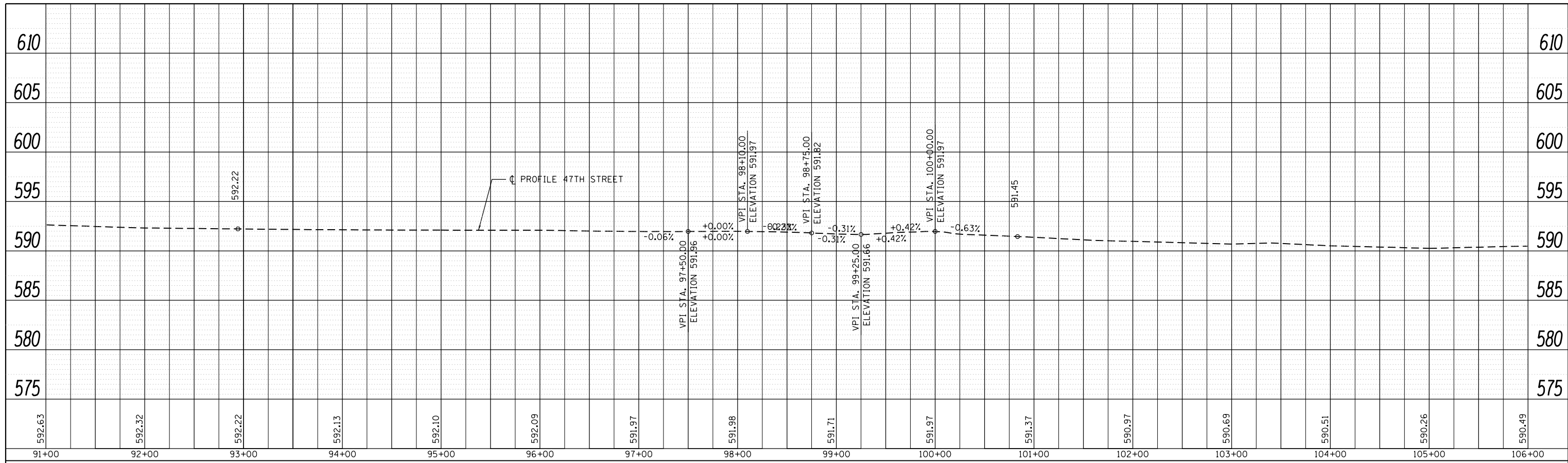


FILE NAME =	USER NAME = currywaw	DESIGNED -	REVISED - 1-25-17 AC	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN IL. RTE. 43 AT 46th/47th STREET			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.				
Default		CHECKED -	REVISED -		SCALE: 1"=50'	SHEET	OF	SHEETS	STA.	TO	STA.	348	2424-N	COOK	89	19
		DATE -	REVISED -													

ILLINOIS FED. AID PROJECT
CONTRACT NO. 60V42

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	CARD FILE NAME		
NOTE BOOK NO.			

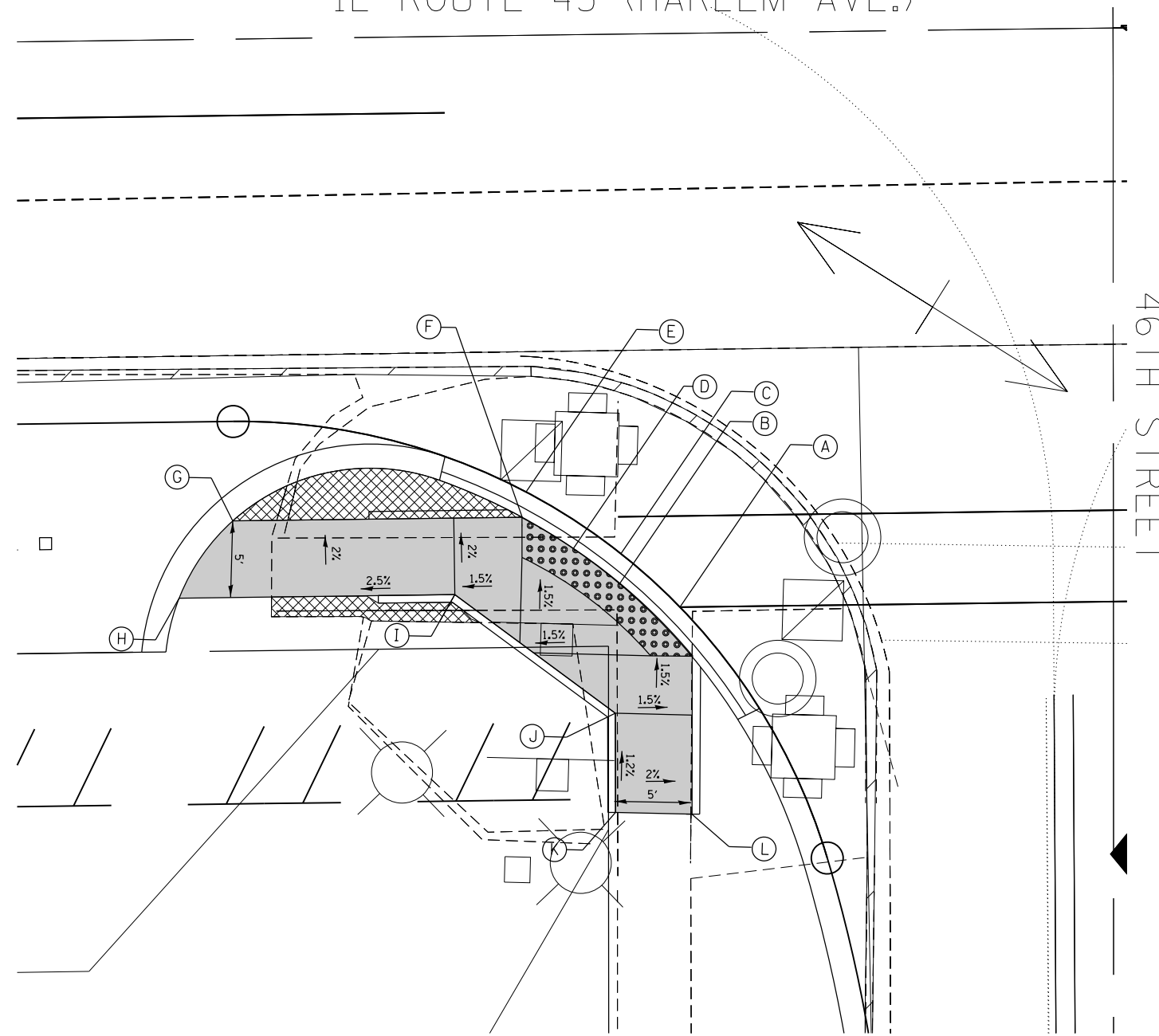
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	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
NOTE BOOK NO.			



FILE NAME =	USER NAME = curryw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PROFILE IL. RTE. 43 AT 46th/47th STREET	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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PLOT SCALE = 10.0000' / in.		DATE -	REVISED -			CONTRACT NO. 60V42					
Default						SCALE: 1"=50'	SHEET	OF	SHEETS	STA.	TO

ILLINOIS FED. AID PROJECT

IL ROUTE 43 (HARLEM AVE.)



	STATION	OFFSET	ELEVATION
A	453+53.0	37.5' RT	591.06
B	453+49.0	35.9' RT	591.07
C	453+49.1	33.9' RT	590.96
D	453+46.0	33.6' RT	591.10
E	453+43.0	29.8' RT	590.89
F	453+42.8	31.6' RT	591.99
G	453+23.8	31.5' RT	(MATCH EX.)
H	453+20.3	36.5' RT	(MATCH EX.)
I	453+38.3	36.5' RT	591.27
J	453+48.7	44.4' RT	591.20
K	453+48.6	50.9' RT	(MATCH EX.)
L	453+53.5	50.9' RT	(MATCH EX.)

NOTES:

- ① ALL FRAMES, LIDS AND UTILITY ITEMS ARE TO BE ADJUSTED AND RELOCATED AS SHOWN ON WIDENING AND SIGNAL PLANS
- ② CONTRACTOR TO LOCATE TEMPORARY FENCE AT DRIP LINES OR AS DIRECTED BY THE ENGINEER
- ③ TREE REMOVAL SHALL BE AS DIRECTED BY THE ENGINEER

NOTES:

ALL FRAMES, LIDS AND UTILITY ITEMS ARE TO BE ADJUSTED AND RELOCATED AS SHOWN ON WIDENING AND SIGNAL PLANS

LEGEND

XX.XX'	EXISTING LENGTH		PROPOSED SIDEWALK
	PROPOSED CONCRETE CURB, TYPE B		DETECTABLE WARNINGS
()	EXISTING ELEVATION/SLOPE		SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

FILE NAME =	USER NAME = curryw	DESIGNED -	REVISED -
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Default	PLOT DATE = 12/19/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

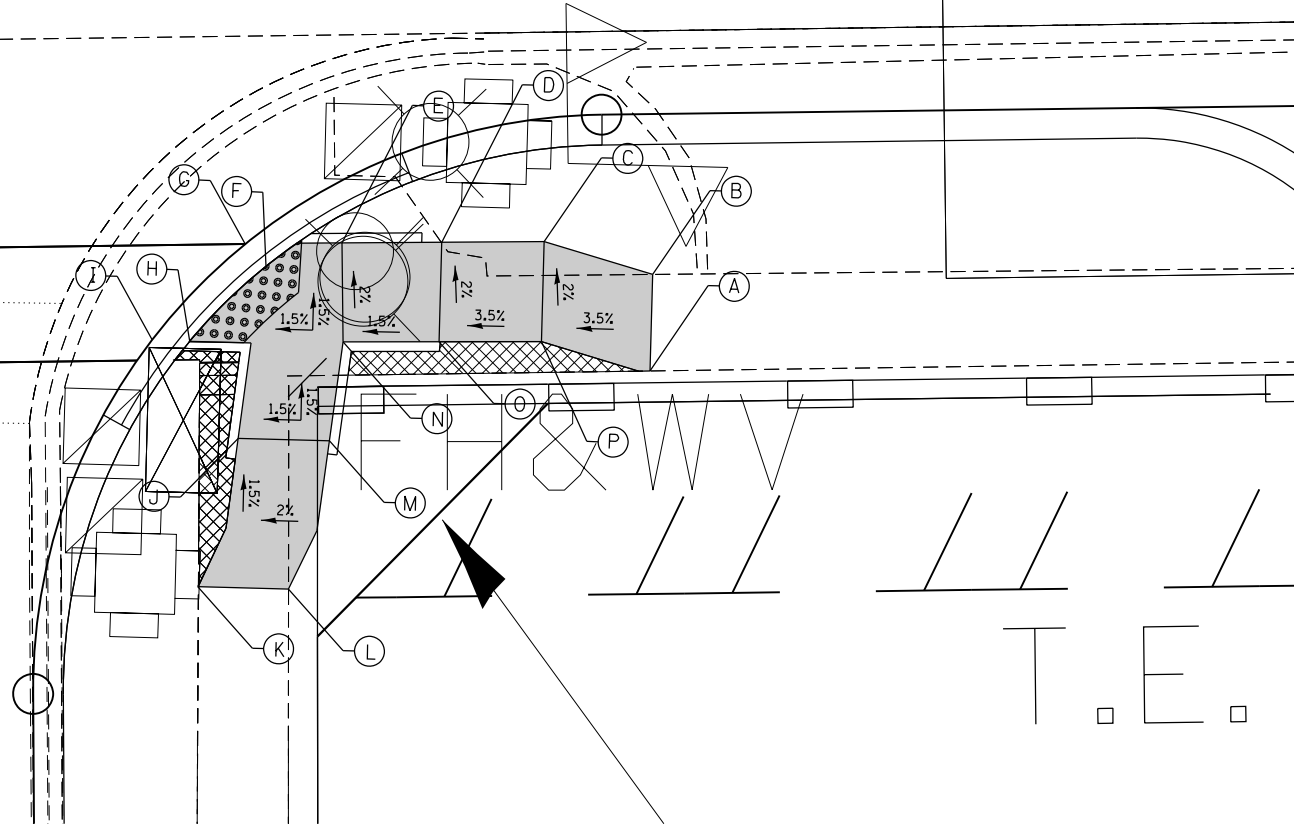
SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2424-N	COOK	89	21
CONTRACT NO. 60V42				
ILLINOIS FED. AID PROJECT				

IL ROUTE 43 (HARLEM AVE.)



46TH STREET



	STATION	OFFSET	ELEVATION
A	454+31.6	38.4' RT	(MATCH EX.)
B	454+31.9	33.4' RT	(MATCH EX.)
C	454+26.2	31.6' RT	592.16
D	454+15.6	31.6' RT	591.95
E	454+15.6	31.5' RT	591.76
F	454+11.7	32.6' RT	591.95
G	454+10.6	31.5' RT	591.87
H	454+07.7	36.6' RT	591.76
I	454+05.7	36.4' RT	591.65
J	454+10.1	41.6' RT	591.92
K	454+07.9	49.3' RT	(MATCH EX.)
L	454+12.6	49.5' RT	(MATCH EX.)
M	454+14.9	41.8' RT	591.96
N	454+15.7	36.7' RT	591.88
O	454+20.7	36.7' RT	591.98
P	454+25.9	36.8' RT	592.26

NOTES:

- ① ALL FRAMES, LIDS AND UTILITY ITEMS ARE TO BE ADJUSTED AND RELOCATED AS SHOWN ON WIDENING AND SIGNAL PLANS
- ② CONTRACTOR TO LOCATE TEMPORARY FENCE AT DRIP LINES OR AS DIRECTED BY THE ENGINEER
- ③ TREE REMOVAL SHALL BE AS DIRECTED BY THE ENGINEER

NOTES:

ALL FRAMES, LIDS AND UTILITY ITEMS ARE TO BE ADJUSTED AND RELOCATED AS SHOWN ON WIDENING AND SIGNAL PLANS

LEGEND

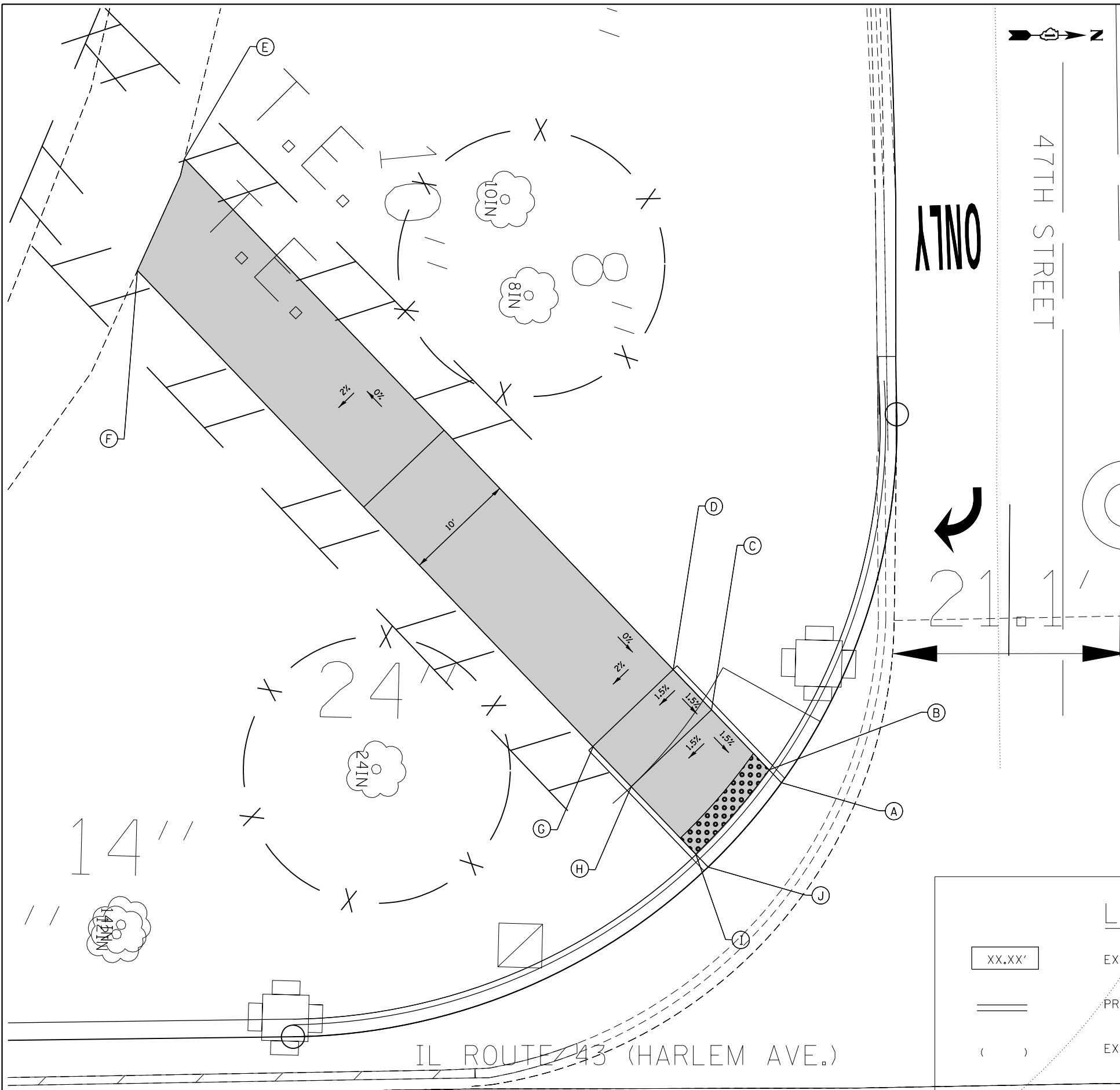
XX.XX'	EXISTING LENGTH		PROPOSED SIDEWALK
	PROPOSED CONCRETE CURB, TYPE B		DETECTABLE WARNINGS
()	EXISTING ELEVATION/SLOPE		SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

FILE NAME =	USER NAME = curryw	DESIGNED -	REVISED -
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Default	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/19/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: SHEET OF SHEETS STA. TO STA.

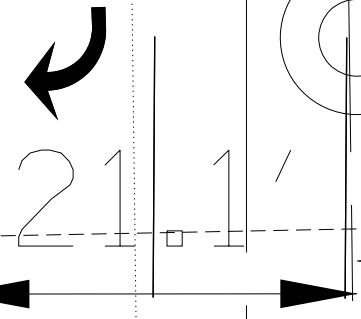
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2424-N	COOK	89	22
CONTRACT NO. 60V42				
ILLINOIS FED. AID PROJECT				



	STATION	OFFSET	ELEVATION
A	453+51.5	47.1' LT	591.00
B	453+50.1	48.4' LT	591.09
C	453+45.0	53.9' LT	591.21
D	453+45.7	57.5' LT	591.31
E	452+98.2	104.1' LT	(MATCH EX.)
F	452+93.9	94.1' LT	(MATCH EX.)
G	453+34.3	50.8' LT	591.17
H	453+37.7	47.1' LT	591.10
I	453+43.5	40.9' LT	590.97
J	453+42.5	37.9' LT	590.88

- NOTES:**
- ① ALL FRAMES, LIDS AND UTILITY ITEMS ARE TO BE ADJUSTED AND RELOCATED AS SHOWN ON WIDENING AND SIGNAL PLANS
 - ② CONTRACTOR TO LOCATE TEMPORARY FENCE AT DRIP LINES OR AS DIRECTED BY THE ENGINEER
 - ③ TREE REMOVAL SHALL BE AS DIRECTED BY THE ENGINEER

ONLY



LEGEND

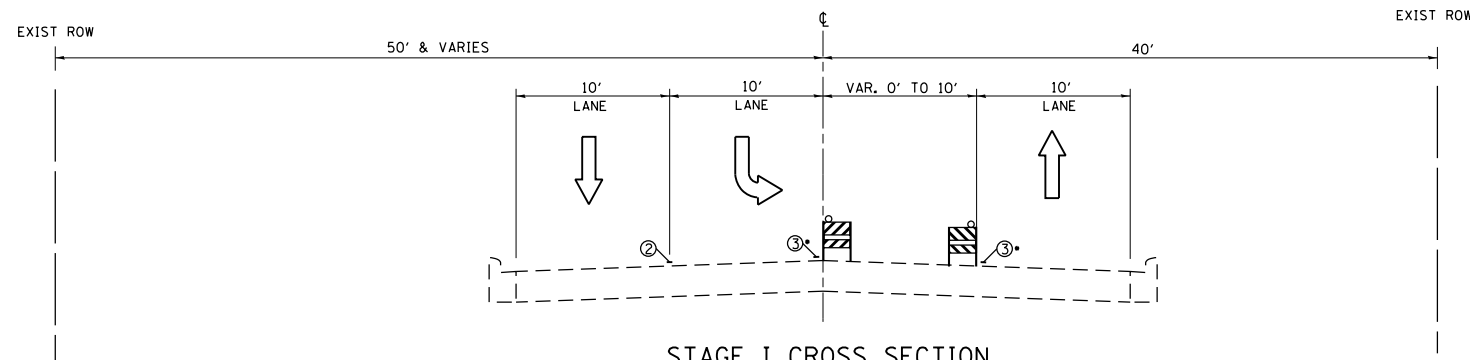
XX.XX'	EXISTING LENGTH		PROPOSED SIDEWALK
==	PROPOSED CONCRETE CURB, TYPE B		DETECTABLE WARNINGS
()	EXISTING ELEVATION/SLOPE		SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

FILE NAME =	USER NAME = curryw	DESIGNED -	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

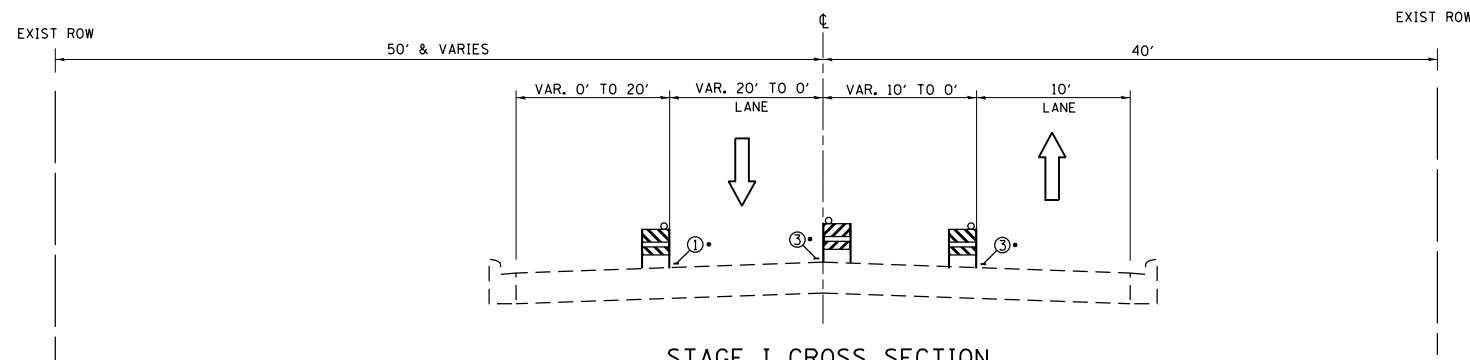
SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2424-N	COOK	89	23
CONTRACT NO. 60V42				
ILLINOIS FED. AID PROJECT				

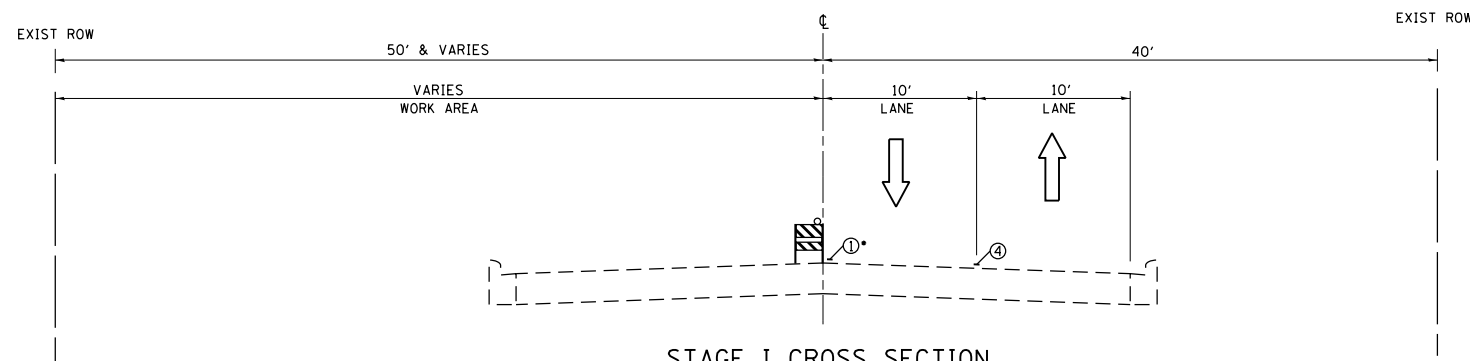


STAGE I CROSS SECTION
IL-43
STA. 441+32.50 TO STA. 443+97.50

- LEGEND:**
- ① PROP. TEMPORARY PAVEMENT MARKING - LINE 4" WHITE SOLID
 - ② PROP. TEMPORARY PAVEMENT MARKING - LINE 4" WHITE 10' DASH 30' SKIP
 - ③ PROP. TEMPORARY PAVEMENT MARKING - LINE 4" YELLOW SOLID
 - ④ PROP. TEMPORARY PAVEMENT MARKING - LINE 4" DOUBLE YELLOW 11" C-C
 -  BARREL OR TYPE II BARRICADE W/ STEADY BURNING LIGHT



STAGE I CROSS SECTION
IL-43
STA. 443+97.50 TO STA. 445+02.00



STAGE I CROSS SECTION
IL-43
STA. 445+02.00 TO STA. 449+83.00

- NOTES**
- 1 FT CLEARANCE SHALL BE MAINTAINED BETWEEN EDGE LINE(S) AND BARRICADE(S)/DRUM(S) AT ALL TIMES

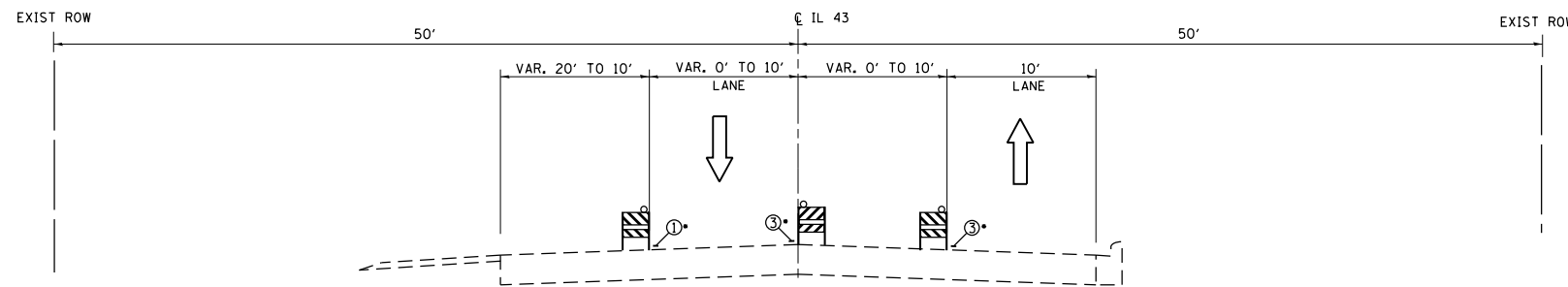
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 1/24/2017	DATE - 8/25/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**


**SUGGESTED MOT TYPICAL SECTIONS (STAGE I)
IL ROUTE 43 (46TH ST. AND 47TH ST.)**

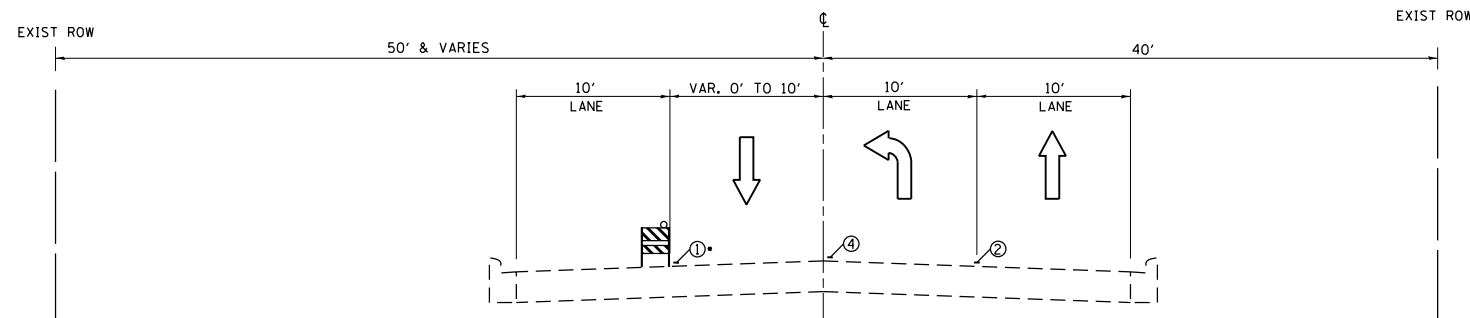
SCALE: NTS SHEET 1 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2424-N	COOK	89	24
				CONTRACT NO. 60V42
ILLINOIS FED. AID PROJECT				

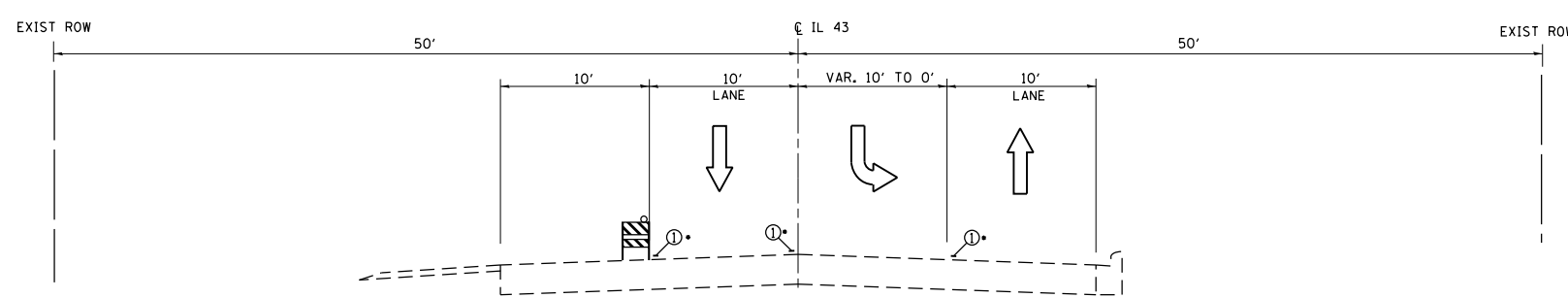


STAGE I CROSS SECTION
IL-43
STA. 449+83.00 TO STA. 451+98.00

- LEGEND:**
- ① PROP. TEMPORARY PAVEMENT MARKING - LINE 4" WHITE SOLID
 - ② PROP. TEMPORARY PAVEMENT MARKING - LINE 4" WHITE 10' DASH 30' SKIP
 - ③ PROP. TEMPORARY PAVEMENT MARKING - LINE 4" YELLOW SOLID
 - ④ PROP. TEMPORARY PAVEMENT MARKING - LINE 4" DOUBLE YELLOW 11" C-C
 -  BARREL OR TYPE II BARRICADE W/ STEADY BURNING LIGHT



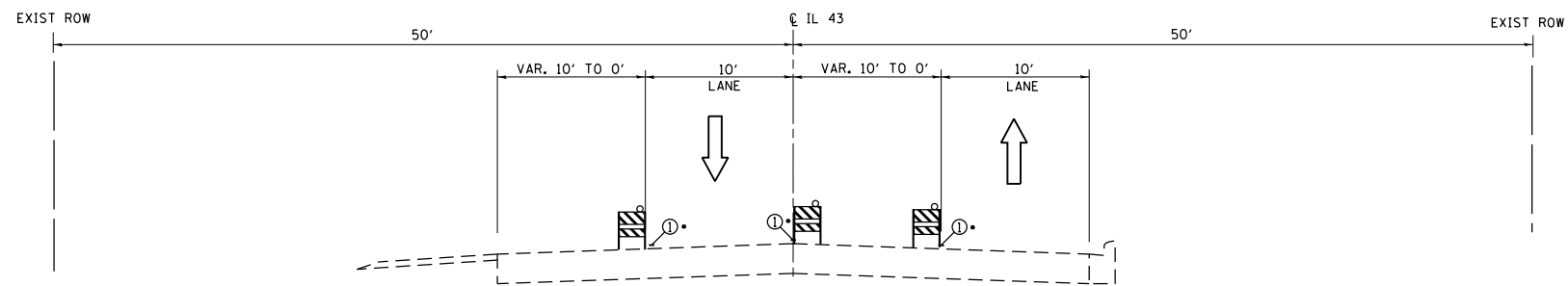
STAGE I CROSS SECTION
IL-43
STA. 451+98.00 TO STA. 453+73.00



STAGE I CROSS SECTION
IL-43
STA. 453+73.00 TO STA. 456+03.00


- NOTES**
- 1 FT CLEARANCE SHALL BE MAINTAINED BETWEEN EDGE LINE(S) AND BARRICADE(S)/DRUM(S) AT ALL TIMES

FILE NAME =	USER NAME = curryw	DESIGNED - RWB	REVISED - 1/24/2017 ac	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED MOT TYPICAL SECTIONS (STAGE I) IL ROUTE 43 (46TH ST. AND 47TH ST.)			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG\illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\PI6960\Drawings\Design\RWB\09-shr-stage-1.dgn	DESIGNED - RWB	REVISED -	REVISED -					348	2424-N	COOK	89	25
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 60V42							
	PLOT DATE = 1/24/2017	DATE - 8/25/2016	REVISED -		SCALE: NTS	SHEET 2 OF 6 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT				



STAGE I CROSS SECTION
IL-43
STA. 456+03.00 TO STA. 465+96.21

LEGEND:

- ① PROP. TEMPORARY PAVEMENT MARKING - LINE 4" WHITE SOLID
- ② PROP. TEMPORARY PAVEMENT MARKING - LINE 4" WHITE 10' DASH 30' SKIP
- ③ PROP. TEMPORARY PAVEMENT MARKING - LINE 4" YELLOW SOLID
- ④ PROP. TEMPORARY PAVEMENT MARKING - LINE 4" DOUBLE YELLOW 11" C-C
-  BARREL OR TYPE II BARRICADE W/ STEADY BURNING LIGHT

NOTES

- 1 FT CLEARANCE SHALL BE MAINTAINED BETWEEN EDGE LINE(S) AND BARRICADE(S)/DRUM(S) AT ALL TIMES

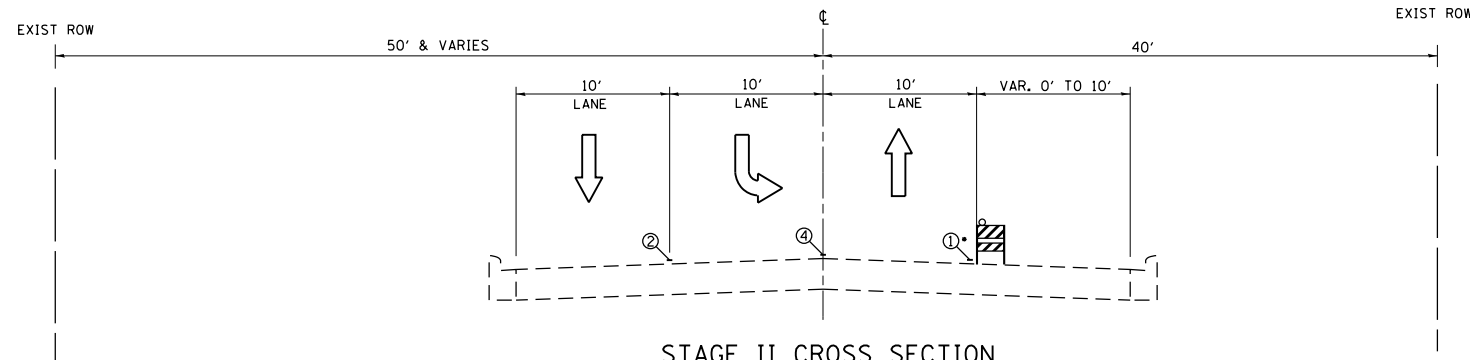
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 1/24/2017	DATE - 8/25/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MOT TYPICAL SECTIONS (STAGE I)
IL ROUTE 43 (46TH ST. AND 47TH ST.)**

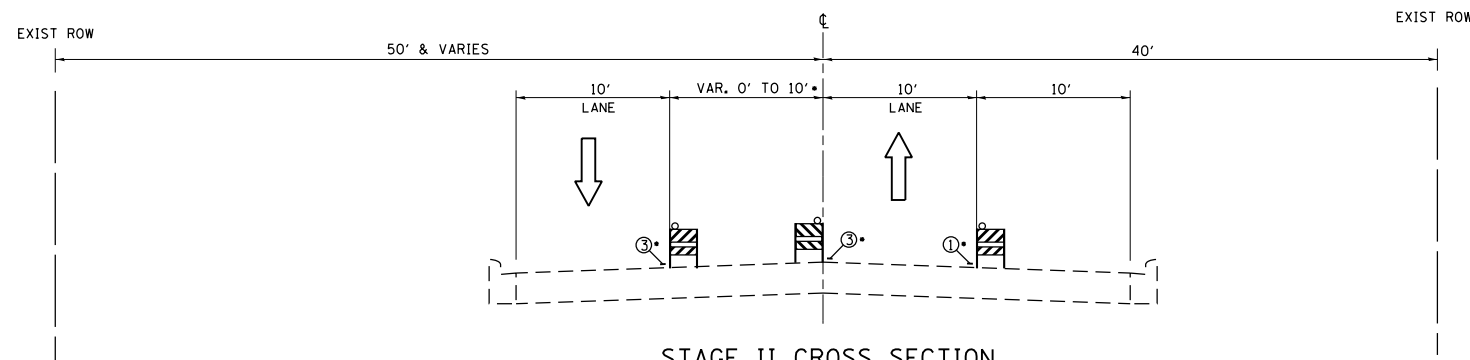
SCALE: NTS SHEET 3 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2424-N	COOK	89	26
				CONTRACT NO. 60V42
ILLINOIS FED. AID PROJECT				

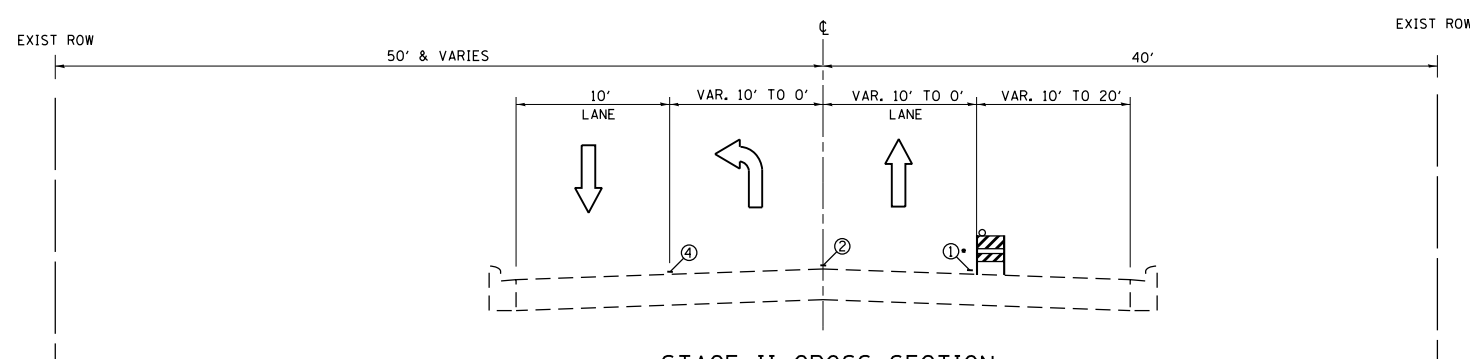


STAGE II CROSS SECTION
IL-43
STA. 441+32.5 TO STA. 444+62.0

- LEGEND:**
- ① PROP. TEMPORARY PAVEMENT MARKING - LINE 4" WHITE SOLID
 - ② PROP. TEMPORARY PAVEMENT MARKING - LINE 4" WHITE 10' DASH 30' SKIP
 - ③ PROP. TEMPORARY PAVEMENT MARKING - LINE 4" YELLOW SOLID
 - ④ PROP. TEMPORARY PAVEMENT MARKING - LINE 4" DOUBLE YELLOW 11" C-C
 - BARREL OR TYPE II BARRICADE W/ STEADY BURNING LIGHT



STAGE II CROSS SECTION
IL-43
STA. 444+62.0 TO STA. 450+17.0

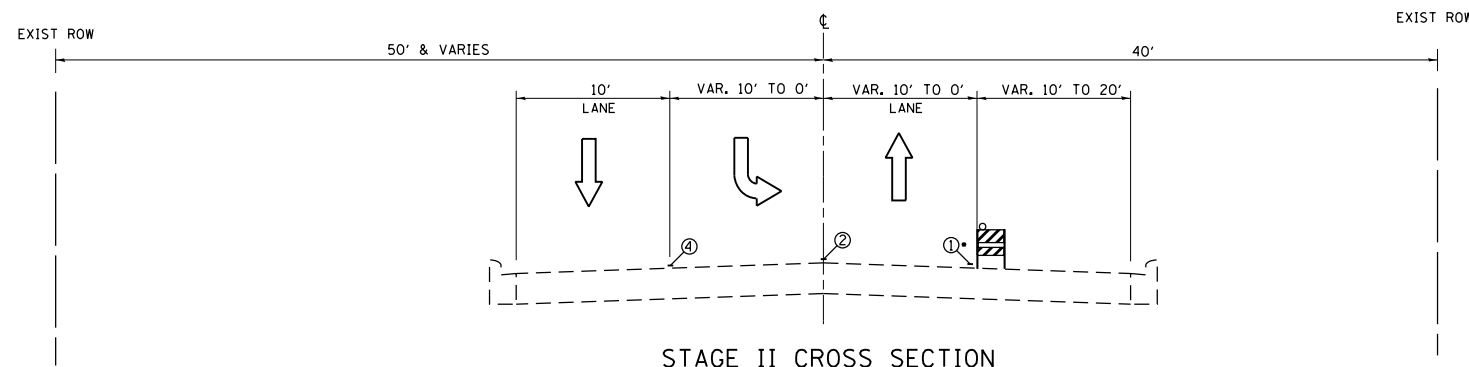


STAGE II CROSS SECTION
IL-43
STA. 450+17.0 TO STA. 453+73.0

NOTES

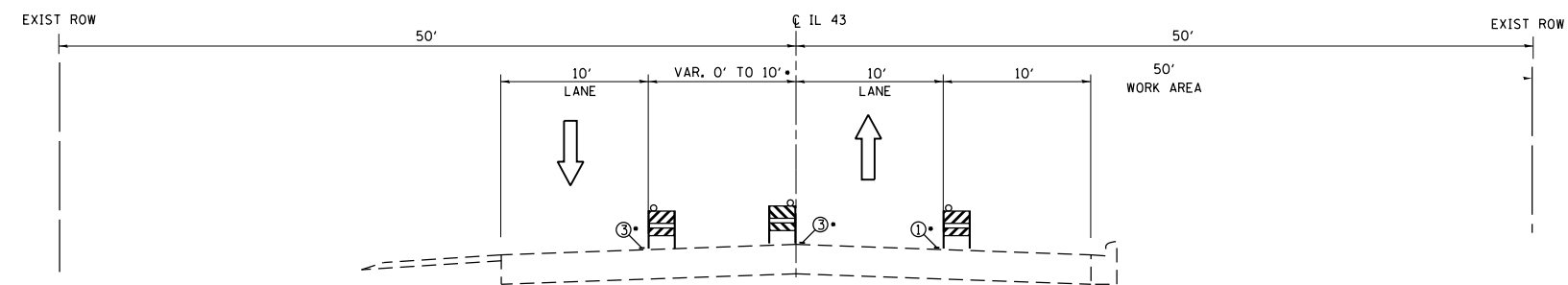
- 1 FT CLEARANCE SHALL BE MAINTAINED BETWEEN EDGE LINE(S) AND BARRICADE(S)/DRUM(S) AT ALL TIMES

FILE NAME =	USER NAME = curryw	DESIGNED - RWB	REVISED - 1/24/2017 ac	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED MOT TYPICAL SECTIONS (STAGE II) IL ROUTE 43 (46TH ST. AND 47TH ST.)			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG\illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\PI69609\Design\RWB\09-sh-t-stage.1.dgn	DRAWN BY = RWB	CHECKED -	REVISED -					348	2424-N	COOK	89	27
Default	PLOT SCALE = 100.0000' / in.	DATE - 8/16/2016	REVISED -		CONTRACT NO. 60V42			ILLINOIS FED. AID PROJECT				
	PLOT DATE = 1/24/2017				SCALE: NTS	SHEET 4	OF 6 SHEETS	STA.	TO STA.			

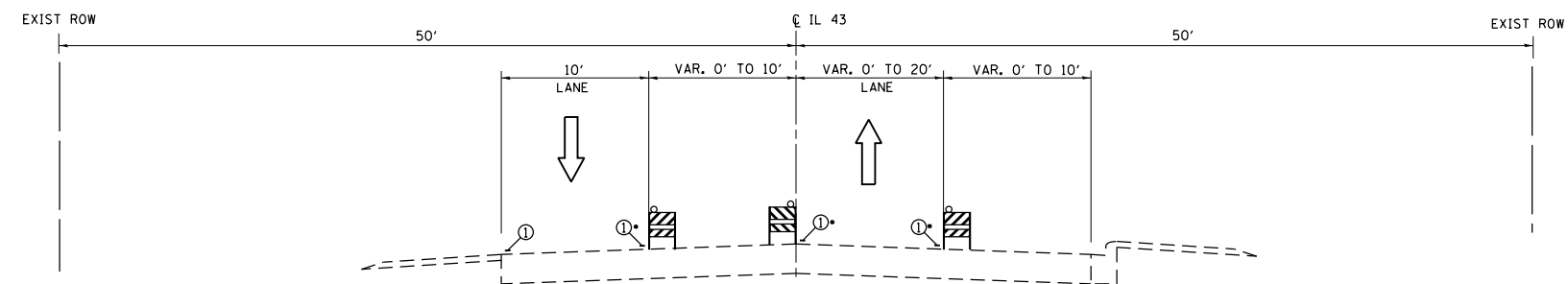


STAGE II CROSS SECTION
IL-43
STA. 453+73.0 TO STA. 457+86.0

- LEGEND:**
- ① PROP. TEMPORARY PAVEMENT MARKING - LINE 4" WHITE SOLID
 - ② PROP. TEMPORARY PAVEMENT MARKING - LINE 4" WHITE 10' DASH 30' SKIP
 - ③ PROP. TEMPORARY PAVEMENT MARKING - LINE 4" YELLOW SOLID
 - ④ PROP. TEMPORARY PAVEMENT MARKING - LINE 4" DOUBLE YELLOW 11" C-C
 - BARREL OR TYPE II BARRICADE W/ STEADY BURNING LIGHT



STAGE II CROSS SECTION
IL-43
STA. 457+86.0 TO STA. 461+46.2



STAGE II CROSS SECTION
IL-43
STA. 461+46.2 TO STA. 463+26.0

- NOTES**
- 1 FT CLEARANCE SHALL BE MAINTAINED BETWEEN EDGE LINE(S) AND BARRICADE(S)/DRUM(S) AT ALL TIMES

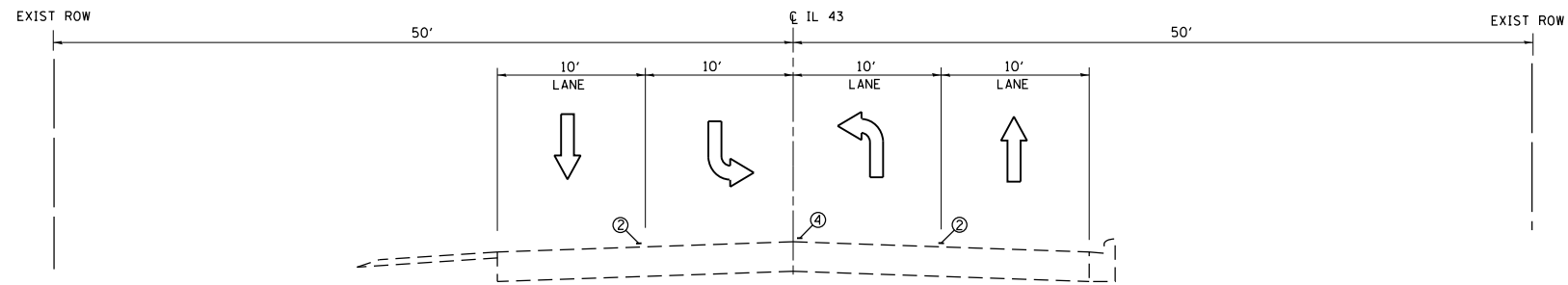
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Default	PLOT SCALE = 100.0000' / in.	DATE - 8/25/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MOT TYPICAL SECTIONS (STAGE II)
IL ROUTE 43 (46TH ST. AND 47TH ST.)**


SCALE: NTS SHEET 5 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2424-N	COOK	89	28
CONTRACT NO. 60V42				
ILLINOIS FED. AID PROJECT				



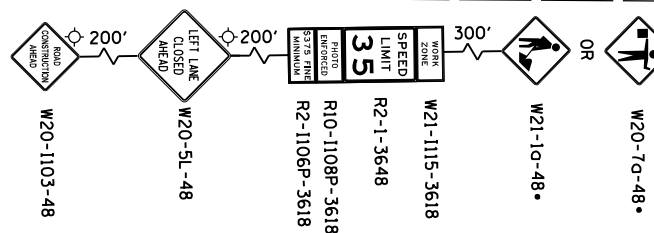
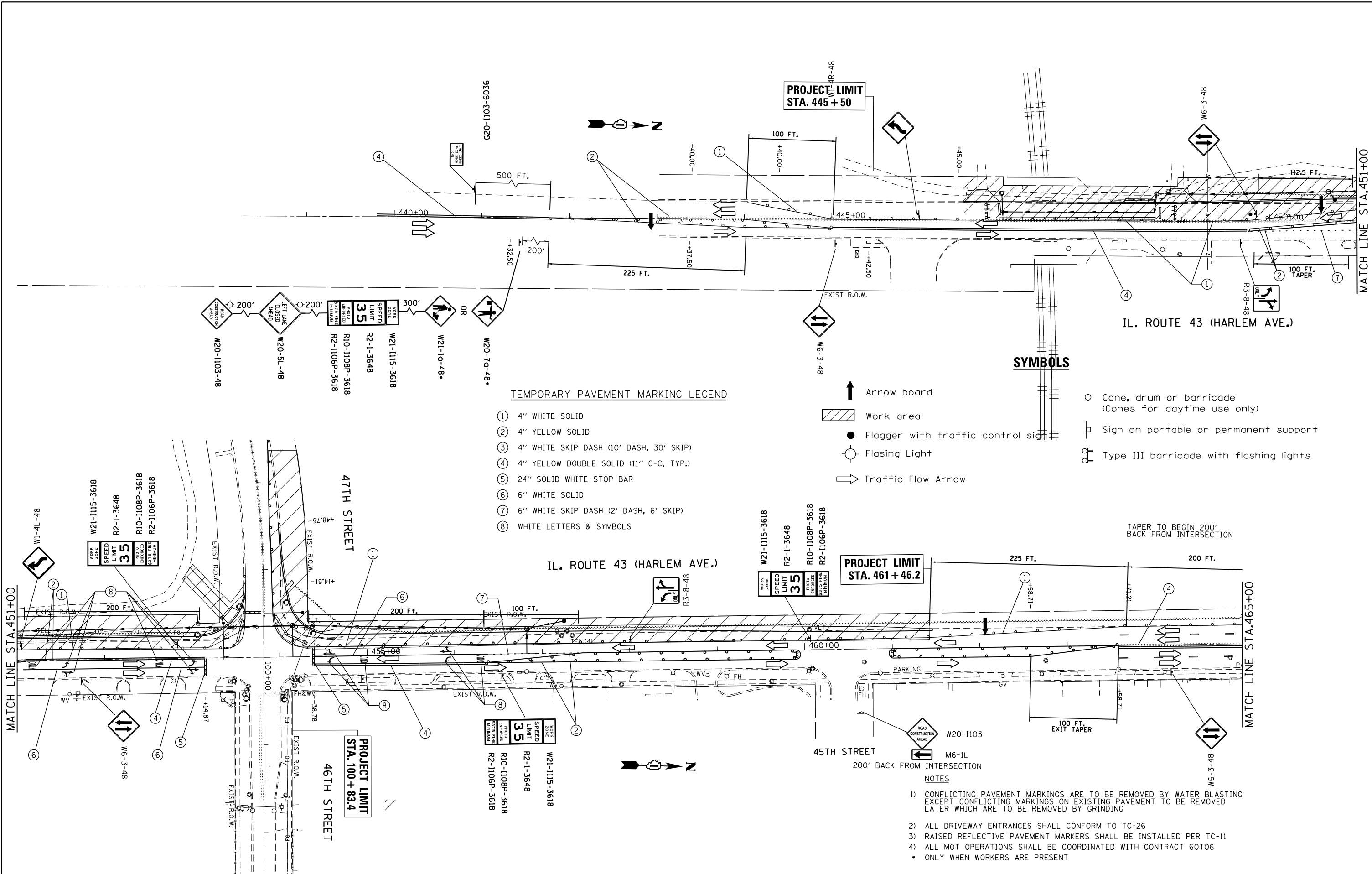
STAGE II CROSS SECTION
 IL-43
 STA. 463+26.0 TO STA. 465+58.71

LEGEND:

- ① PROP. TEMPORARY PAVEMENT MARKING - LINE 4" WHITE SOLID
- ② PROP. TEMPORARY PAVEMENT MARKING - LINE 4" WHITE 10' DASH 30' SKIP
- ③ PROP. TEMPORARY PAVEMENT MARKING - LINE 4" YELLOW SOLID
- ④ PROP. TEMPORARY PAVEMENT MARKING - LINE 4" DOUBLE YELLOW 11" C-C
-  BARREL OR TYPE II BARRICADE W/ STEADY BURNING LIGHT

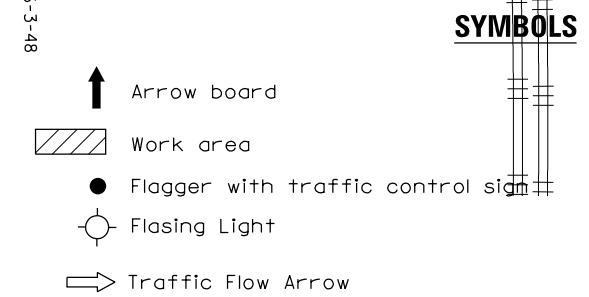
- NOTES**
- 1 FT CLEARANCE SHALL BE MAINTAINED BETWEEN EDGE LINE(S) AND BARRICAD(S)/DRUM(S) AT ALL TIMES

FILE NAME =	USER NAME = curryw	DESIGNED - RWB	REVISED - 1/24/2017 ac	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED MOT TYPICAL SECTIONS (STAGE II) IL ROUTE 43 (46TH ST. AND 47TH ST.)			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL084EBIDINTEG\illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\PI69609\Design\RWB\09-shr-stage.l.dgn	DRAWN	CHECKED	REVISED					348	2424-N	COOK	89	29
Default	PLOT SCALE = 100.0000' / in.	DATE - 8/25/2016	REVISED -		CONTRACT NO. 60V42			ILLINOIS FED. AID PROJECT				
	PLOT DATE = 1/24/2017	DATE - 8/25/2016	REVISED -		SCALE: NTS	SHEET 6	OF 6	SHEETS	STA.	TO STA.		



TEMPORARY PAVEMENT MARKING LEGEND

- ① 4" WHITE SOLID
- ② 4" YELLOW SOLID
- ③ 4" WHITE SKIP DASH (10' DASH, 30' SKIP)
- ④ 4" YELLOW DOUBLE SOLID (11" C-C, TYP.)
- ⑤ 24" SOLID WHITE STOP BAR
- ⑥ 6" WHITE SOLID
- ⑦ 6" WHITE SKIP DASH (2' DASH, 6' SKIP)
- ⑧ WHITE LETTERS & SYMBOLS



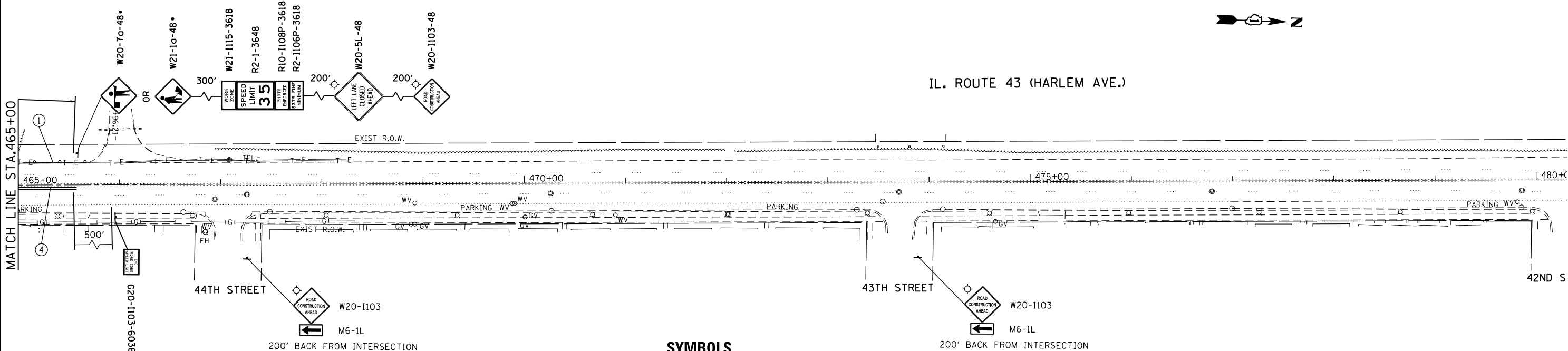
- NOTES**
- 1) CONFLICTING PAVEMENT MARKINGS ARE TO BE REMOVED BY WATER BLASTING EXCEPT CONFLICTING MARKINGS ON EXISTING PAVEMENT TO BE REMOVED LATER WHICH ARE TO BE REMOVED BY GRINDING
 - 2) ALL DRIVEWAY ENTRANCES SHALL CONFORM TO TC-26
 - 3) RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED PER TC-11
 - 4) ALL MOT OPERATIONS SHALL BE COORDINATED WITH CONTRACT 60T06
 - ONLY WHEN WORKERS ARE PRESENT

FILE NAME =	USER NAME = curryw	DESIGNED - RWB	REVISED - 1/24/2017 ac
pw:\IL\084EBID\INTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\PI696\Drawings\Design\WB609-shr-stage-1.dgn		CHECKED -	REVISED -
Default	PLOT SCALE = 100.0000' / in.	DATE - 8/24/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUGGESTED MAINTENANCE OF TRAFFIC (STAGE I)			
IL ROUTE 43 (46TH ST. AND 47TH ST.)			
SCALE: 1" = 50'	SHEET 1	OF 3 SHEETS	STA. TO STA.

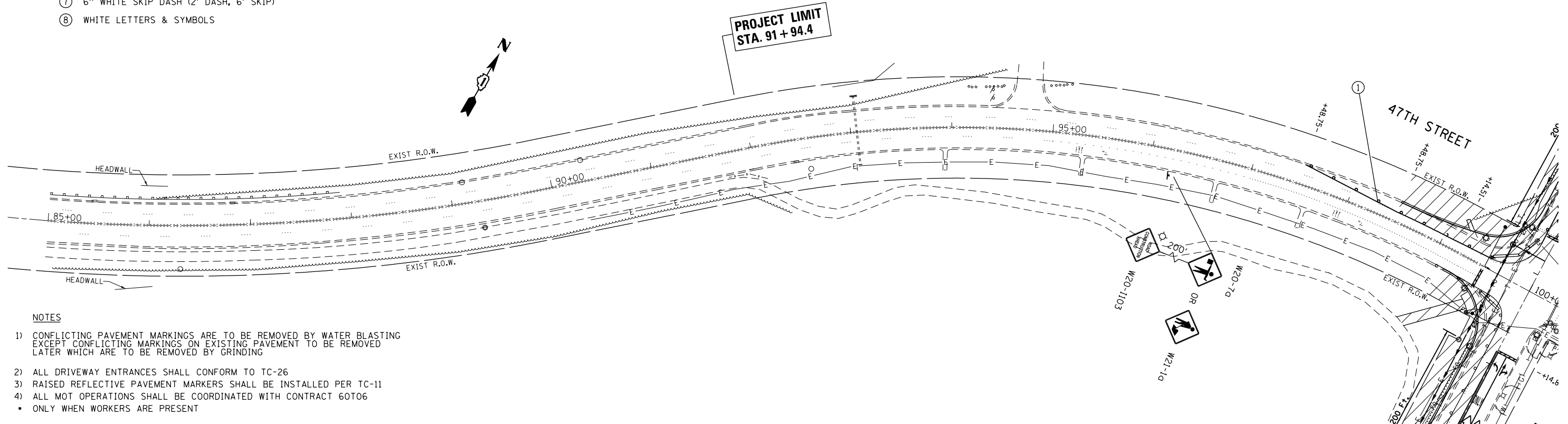
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2424-N	COOK	89	30
				CONTRACT NO. 60V42
ILLINOIS FED. AID PROJECT				



TEMPORARY PAVEMENT MARKING LEGEND

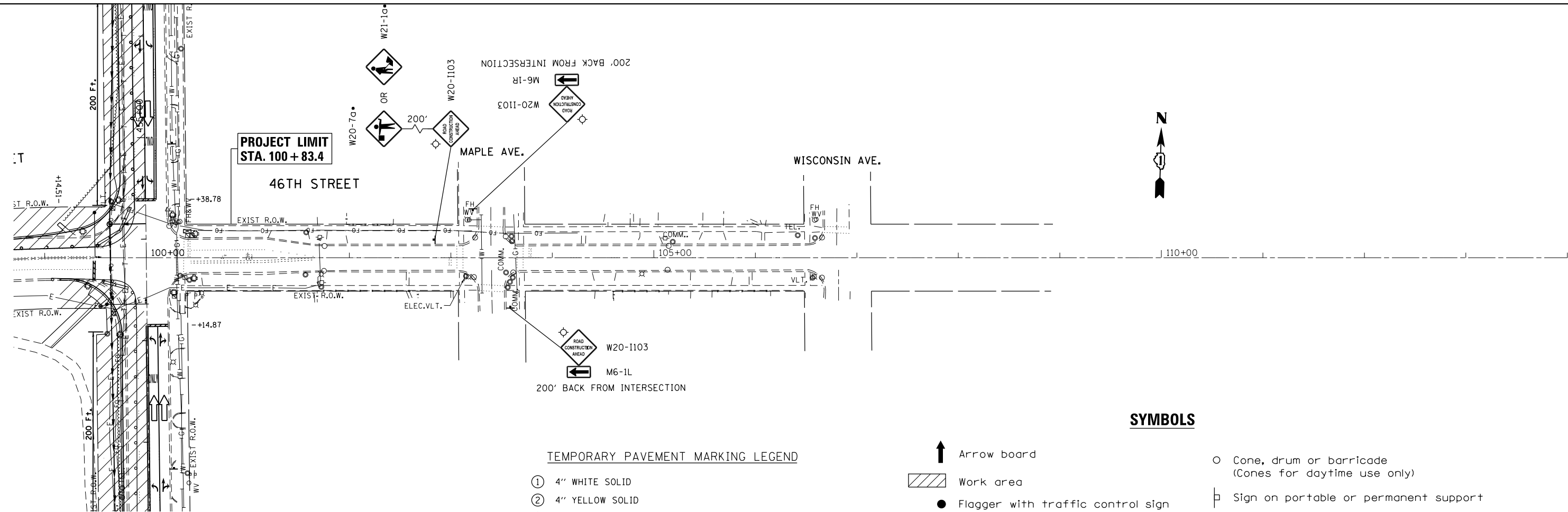
- ① 4" WHITE SOLID
- ② 4" YELLOW SOLID
- ③ 4" WHITE SKIP DASH (10' DASH, 30' SKIP)
- ④ 4" YELLOW DOUBLE SOLID (11" C-C, TYP.)
- ⑤ 24" SOLID WHITE STOP BAR
- ⑥ 6" WHITE SOLID
- ⑦ 6" WHITE SKIP DASH (2' DASH, 6' SKIP)
- ⑧ WHITE LETTERS & SYMBOLS

- SYMBOLS**
- ↑ Arrow board
 - ▨ Work area
 - Flagger with traffic control sign
 - Cone, drum or barricade (Cones for daytime use only)
 - ⊥ Sign on portable or permanent support
 - ⊕ Flasing Light
 - ⇨ Traffic Flow Arrow
 - ⊕ Type III barricade with flashing lights



- NOTES**
- 1) CONFLICTING PAVEMENT MARKINGS ARE TO BE REMOVED BY WATER BLASTING EXCEPT CONFLICTING MARKINGS ON EXISTING PAVEMENT TO BE REMOVED LATER WHICH ARE TO BE REMOVED BY GRINDING
 - 2) ALL DRIVEWAY ENTRANCES SHALL CONFORM TO TC-26
 - 3) RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED PER TC-11
 - 4) ALL MOT OPERATIONS SHALL BE COORDINATED WITH CONTRACT 60T06
 - ONLY WHEN WORKERS ARE PRESENT

FILE NAME =	USER NAME = curryw	DESIGNED - RWB	REVISED - 1/24/2017 ac	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED MAINTENANCE OF TRAFFIC (STAGE I) IL ROUTE 43 (46TH ST. AND 47TH ST.)		F.A.P. RTE. 348	SECTION 2424-N	COUNTY COOK	TOTAL SHEETS 89	SHEET NO. 31	
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		SCALE: 1" = 50'	SHEET 2 OF 3 SHEETS	STA. TO STA.	CONTRACT NO. 60V42				
	PLOT DATE = 1/24/2017	DATE - 8/24/2016	REVISED -		ILLINOIS FED. AID PROJECT							



SYMBOLS

- Arrow board
- Work area
- Flagger with traffic control sign
- Flashing Light
- Traffic Flow Arrow
- Cone, drum or barricade (Cones for daytime use only)
- Sign on portable or permanent support
- Type III barricade with flashing lights

TEMPORARY PAVEMENT MARKING LEGEND

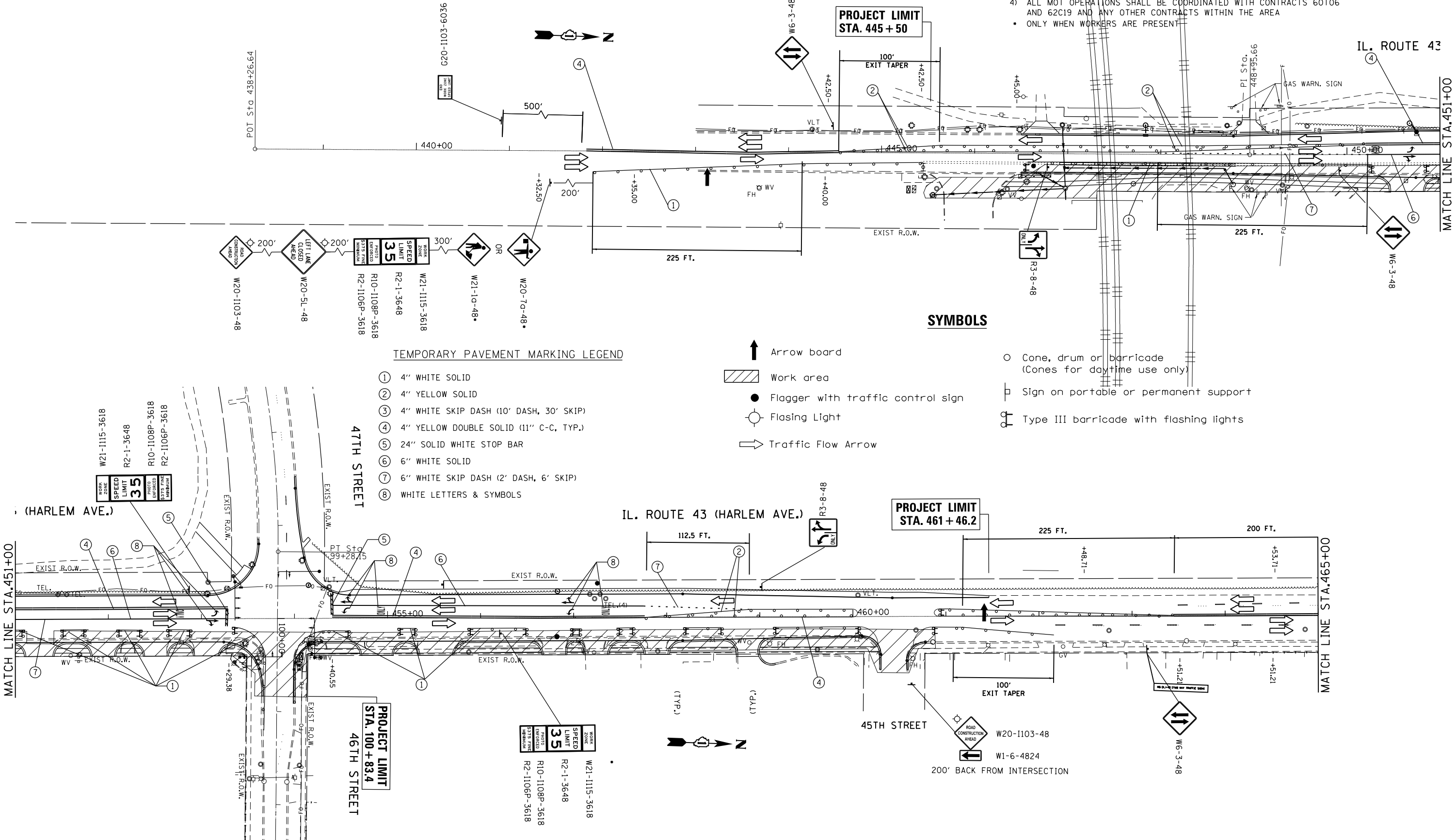
- ① 4" WHITE SOLID
- ② 4" YELLOW SOLID
- ③ 4" WHITE SKIP DASH (10' DASH, 30' SKIP)
- ④ 4" YELLOW DOUBLE SOLID (11" C-C, TYP.)
- ⑤ 24" SOLID WHITE STOP BAR
- ⑥ 6" WHITE SOLID
- ⑦ 6" WHITE SKIP DASH (2' DASH, 6' SKIP)
- ⑧ WHITE LETTERS & SYMBOLS

NOTES

- 1) CONFLICTING PAVEMENT MARKINGS ARE TO BE REMOVED BY WATER BLASTING EXCEPT CONFLICTING MARKINGS ON EXISTING PAVEMENT TO BE REMOVED LATER WHICH ARE TO BE REMOVED BY GRINDING
- 2) ALL DRIVEWAY ENTRANCES SHALL CONFORM TO TC-26
- 3) RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED PER TC-11
- 4) ALL MOT OPERATIONS SHALL BE COORDINATED WITH CONTRACT 60T06
 - ONLY WHEN WORKERS ARE PRESENT

FILE NAME =	USER NAME = curryw	DESIGNED - RWB	REVISED - 1/24/2017 ac	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED MAINTENANCE OF TRAFFIC (STAGE I) IL ROUTE 43 (46TH ST. AND 47TH ST.)	F.A.P. RTE. =	SECTION =	COUNTY =	TOTAL SHEETS =	SHEET NO. =
						348	2424-N	COOK	89	32
						CONTRACT NO. 60V42				
Default	PLOT DATE = 1/24/2017	DATE = 8/24/2016	REVISED -	SCALE: 1" = 50'	SHEET 3 OF 3 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

- NOTES**
- 1) CONFLICTING PAVEMENT MARKINGS ARE TO BE REMOVED BY WATER BLASTING EXCEPT CONFLICTING MARKINGS ON EXISTING PAVEMENT TO BE REMOVED LATER WHICH ARE TO BE REMOVED BY GRINDING
 - 2) ALL DRIVEWAY ENTRANCES SHALL CONFORM TO TC-26
 - 3) RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED PER TC-11
 - 4) ALL MOT OPERATIONS SHALL BE COORDINATED WITH CONTRACTS 60T06 AND 62C19 AND ANY OTHER CONTRACTS WITHIN THE AREA
 - ONLY WHEN WORKERS ARE PRESENT



TEMPORARY PAVEMENT MARKING LEGEND

- ① 4" WHITE SOLID
- ② 4" YELLOW SOLID
- ③ 4" WHITE SKIP DASH (10' DASH, 30' SKIP)
- ④ 4" YELLOW DOUBLE SOLID (11" C-C, TYP.)
- ⑤ 24" SOLID WHITE STOP BAR
- ⑥ 6" WHITE SOLID
- ⑦ 6" WHITE SKIP DASH (2' DASH, 6' SKIP)
- ⑧ WHITE LETTERS & SYMBOLS

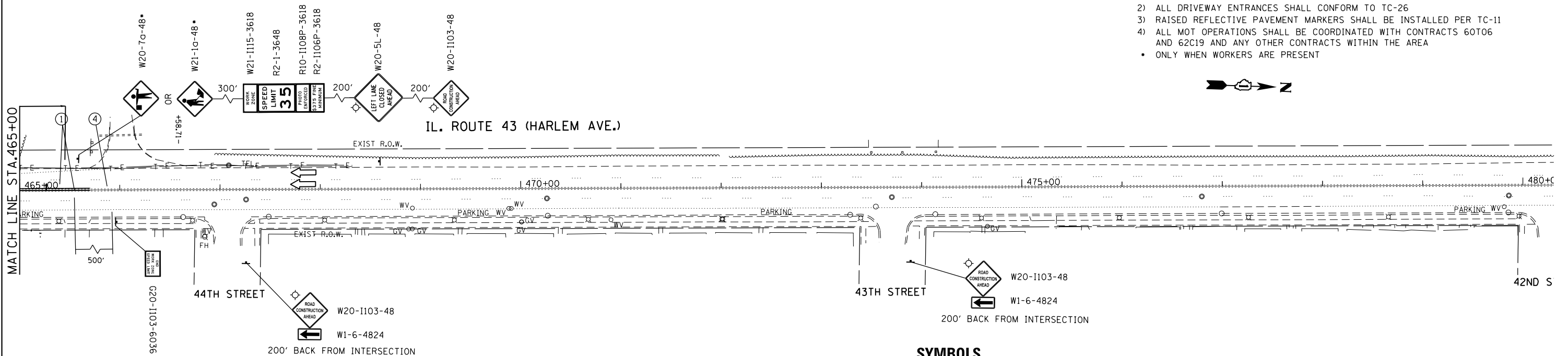
- SYMBOLS**
- ↑ Arrow board
 - ▨ Work area
 - Flagger with traffic control sign
 - ⊙ Flasing Light
 - ⇒ Traffic Flow Arrow

- Cone, drum or barricade (Cones for daytime use only)
- ⊞ Sign on portable or permanent support
- ⊞ Type III barricade with flashing lights

FILE NAME =	USER NAME = curryw	DESIGNED - RWB	REVISED - 1/24/2017 ac	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED MAINTENANCE OF TRAFFIC (STAGE II) IL ROUTE 43 (46TH ST. AND 47TH ST.)	F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG\Illinois.gov\PIWID\Documents\DOT Offices\District 1\Projects\PI6960\Drawings\Design\RWB\609-shr-stage.2.dwg	CHECKED - RWB	REVISED -	REVISED -			348	2424-N	COOK	89	33
Default	PLOT SCALE = 100.0000' / in.	DATE - 8/24/2016	REVISED -			CONTRACT NO. 60V42			ILLINOIS FED. AID PROJECT	

NOTES

- 1) CONFLICTING PAVEMENT MARKINGS ARE TO BE REMOVED BY WATER BLASTING EXCEPT CONFLICTING MARKINGS ON EXISTING PAVEMENT TO BE REMOVED LATER WHICH ARE TO BE REMOVED BY GRINDING
 - 2) ALL DRIVEWAY ENTRANCES SHALL CONFORM TO TC-26
 - 3) RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED PER TC-11
 - 4) ALL MOT OPERATIONS SHALL BE COORDINATED WITH CONTRACTS 60T06 AND 62C19 AND ANY OTHER CONTRACTS WITHIN THE AREA
- ONLY WHEN WORKERS ARE PRESENT

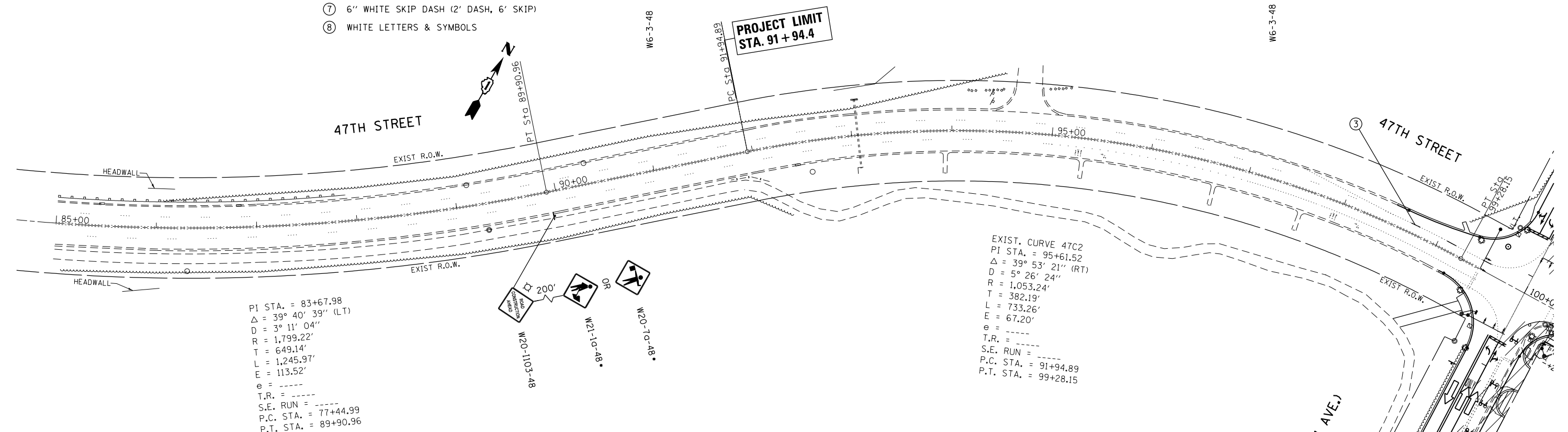


SYMBOLS

TEMPORARY PAVEMENT MARKING LEGEND

- ① 4" WHITE SOLID
- ② 4" YELLOW SOLID
- ③ 4" WHITE SKIP DASH (10' DASH, 30' SKIP)
- ④ 4" YELLOW DOUBLE SOLID (11" C-C, TYP.)
- ⑤ 24" SOLID WHITE STOP BAR
- ⑥ 6" WHITE SOLID
- ⑦ 6" WHITE SKIP DASH (2' DASH, 6' SKIP)
- ⑧ WHITE LETTERS & SYMBOLS

- Arrow board
- Work area
- Flagger with traffic control sign
- Flashing Light
- Traffic Flow Arrow
- Cone, drum or barricade (Cones for daytime use only)
- Sign on portable or permanent support
- Type III barricade with flashing lights



FILE NAME =	USER NAME = currywaw	DESIGNED - RWB	REVISED - 1/24/2017 ac
Default		CHECKED -	REVISED -
	PLOT SCALE = 100.0000' / in.	DATE - 8/24/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

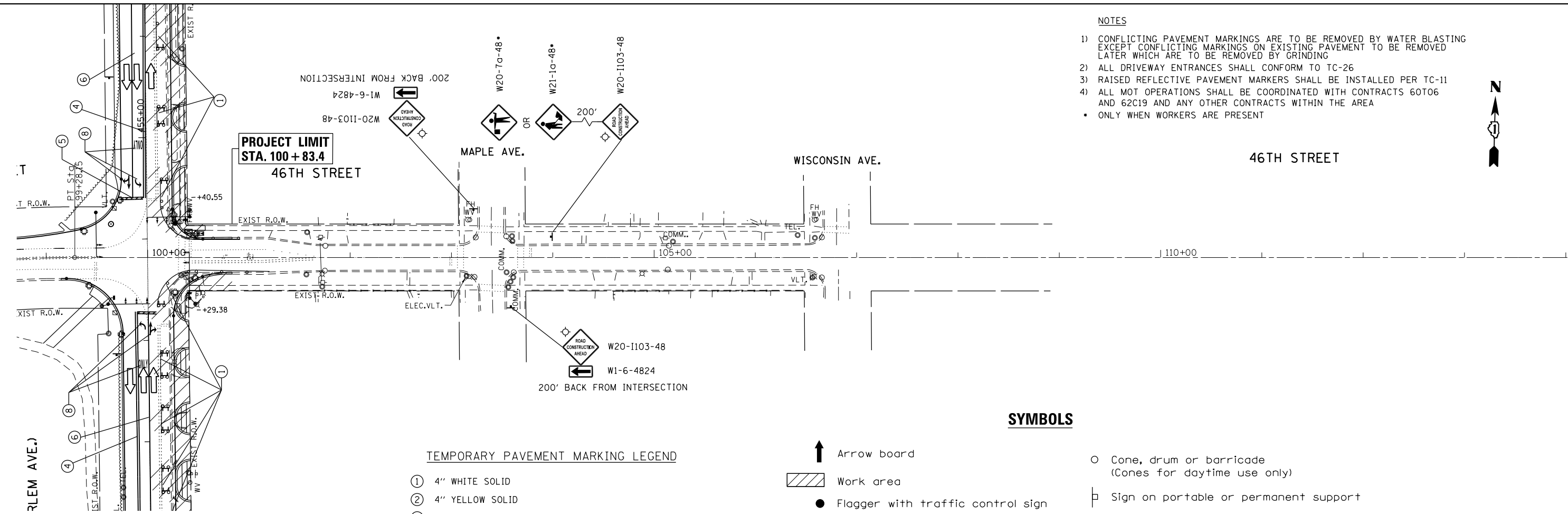
**SUGGESTED MAINTENANCE OF TRAFFIC (STAGE II)
IL ROUTE 43 (46TH ST. AND 47TH ST.)**

SCALE: 1" = 50' SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2424-N	COOK	89	34
CONTRACT NO. 60V42				
ILLINOIS FED. AID PROJECT				

NOTES

- 1) CONFLICTING PAVEMENT MARKINGS ARE TO BE REMOVED BY WATER BLASTING EXCEPT CONFLICTING MARKINGS ON EXISTING PAVEMENT TO BE REMOVED LATER WHICH ARE TO BE REMOVED BY GRINDING
- 2) ALL DRIVEWAY ENTRANCES SHALL CONFORM TO TC-26
- 3) RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED PER TC-11
- 4) ALL MOT OPERATIONS SHALL BE COORDINATED WITH CONTRACTS 60T06 AND 62C19 AND ANY OTHER CONTRACTS WITHIN THE AREA
 - ONLY WHEN WORKERS ARE PRESENT



SYMBOLS

- Arrow board
- Work area
- Flagger with traffic control sign
- Flashing Light
- Traffic Flow Arrow
- Cone, drum or barricade (Cones for daytime use only)
- Sign on portable or permanent support
- Type III barricade with flashing lights

TEMPORARY PAVEMENT MARKING LEGEND

- ① 4" WHITE SOLID
- ② 4" YELLOW SOLID
- ③ 4" WHITE SKIP DASH (10' DASH, 30' SKIP)
- ④ 4" YELLOW DOUBLE SOLID (11" C-C, TYP.)
- ⑤ 24" SOLID WHITE STOP BAR
- ⑥ 6" WHITE SOLID
- ⑦ 6" WHITE SKIP DASH (2' DASH, 6' SKIP)
- ⑧ WHITE LETTERS & SYMBOLS

FILE NAME =	USER NAME = curryw	DESIGNED - RWB	REVISED - 1/24/2017 ac
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Default	PLOT SCALE = 100.0000' / in.	DATE - 8/24/2016	REVISED -
	PLOT DATE = 1/24/2017		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUGGESTED MAINTENANCE OF TRAFFIC (STAGE II)			
IL ROUTE 43 (46TH ST. AND 47TH ST.)			
SCALE: 1" = 50'	SHEET 3	OF 3 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2424-N	COOK	89	35
CONTRACT NO. 60V42				
ILLINOIS FED. AID PROJECT				

1 PROP. C.B., T-A, W/ T-1 OL
 STA 457+25, 36.78' LT
 T.G. 595.11
 INV. 588.42 SE

2 PROP. C.B., T-A, W/ T-1 OL
 STA 456+82, 20.57' RT
 T.G. 594.66
 INV. 591.21 NE
 INV. 591.21 S
 INV. 588.90 W

3 EXIST. MANHOLE, T-A, 4' DIA, W/ T-1 CL
 STA 456+83, 28.58' LT
 EXIST. T.G. 594.98
 INV. 586.94 S
 INV. 587.4 E
 INV. 587.1 NW

4 PROP. C.B., T-A, W/ T-1 CL
 STA 454+15, 28' RT
 T.G. 592.26
 INV. 586.82 W

5 PROP. MANHOLE, T-A, 4' DIA, W/ T-1 CL
 STA 454+15, 35.70' LT
 T.G. 592.1
 INV. 585.09 S
 INV. 585.59 N
 INV. 586.17 E

6 PROP. C.B., T-A, W/ T-1 CL
 STA 450+75, 24.15' LT
 T.G. 587.17
 INV. 584.17 SW

7 PROP. MANHOLE, T-A, 4' DIA, T-1 CL
 STA 450+67, 33.38' LT
 T.G. 587.32
 INV. 582.39 S
 INV. 583.39 N
 INV. 583.87 NE

8 EXIST. MANHOLE
 STA 449+58, 30.65' LT
 EXIST. T.G. 585.74
 INV. 582.90 N
 INV. 582.43 S
 INV. 581.80 N/S

8A PROP. MANHOLE, T-A, 5' DIA, T-1 CL
 STA 449+39.9, 13.69' LT
 EXIST. T.G. 585.77
 INV. 582.73 N
 INV. 582.41 S
 INV. 581.41 N/S

9 EXIST. MANHOLE (TO BE ABANDONED)
 STA 448+71, 31.33' LT
 EXIST. T.G. 584.94
 INV. 582.42 N
 INV. 582.35 S
 INV. 581.39 N
 INV. 580.89 S
 INV. 581.73 SE

9A PROP. MANHOLE, T-A, 5' DIA, T-1 CL
 STA 448+71, 13.15 LT
 T.G. 585.22
 INV. 582.32 N/S
 INV. 581.63 E/W

10 EXIST. INLET (TO BE RECONSTRUCTED)
 STA 448+68, 20.91' LT
 EXIST. T.G. 585
 INV. 582.00 NW

11 EXIST. INLET (TO BE RECONSTRUCTED)
 STA 447+84, 20.0' LT
 EXIST. T.G. 584.48
 INV. 581.48 W

12 PROP. MANHOLE, T-A, 5' DIA, T-1 CL
 STA 447+83, 14.095' LT
 EXIST. T.G. 584.72
 INV. 580.52 N/S
 INV. 580.46 W

13 EXIST. MANHOLE (TO BE ABANDONED)
 STA 446+94, 31' LT
 EXIST. T.G. 584.75
 INV. 581.54 E
 INV. 581.40 S
 INV. 580.18 N
 INV. 580.17 E

13A PROP. MANHOLE, T-A, 5' DIA, T-1 CL
 STA 446+93, 12.61' LT
 T.G. 584.95
 INV. 581.52 E
 INV. 581.39 S
 INV. 580.17 N
 INV. 580.16 E

14 EXIST. C.B. (TO BE ABANDONED)
 STA 448+78, 31.81' RT
 EXIST. T.G. 584.96
 INV. 582.40 S
 INV. 582.68 W

14A PROP. MANHOLE, T-A, 5' DIA, T-1 CL
 STA 448+78, 14.36' RT
 T.G. 584.17
 INV. 582.40 N/S

14B PROP. INLET TYPE A (TO BE RECONSTRUCTED)
 STA 448+78, 19.55' RT
 T.G. 585.17
 INV. 582.17 E

15 EXIST. C.B. (TO BE ABANDONED)
 STA 447+71, 31.81' RT
 EXIST. T.G. 584.70
 INV. 581.78 N
 INV. 582.57 NW
 INV. 581.52 S
 INV. 580.34 N
 INV. 580.20 S

15A PROP. MANHOLE, T-A, 5' DIA, T-1 CL
 STA 446+93, 14.8' RT
 T.G. 584.89
 INV. 581.5 E/W

16 EXIST. MANHOLE
 STA 446+98, 37.11' RT
 EXIST. T.G. 585.31
 INV. 581.21 W
 INV. 581.21 S
 INV. 580.00 N
 INV. 579.92 S
 INV. 579.92 E
 INV. 580.04 W
 INV. 580.76 SW

17 EXIST. INLET
 STA 446+19, 21.24' RT
 EXIST. T.G. 584.69
 INV. 581.69 NE

18 PROP. MANHOLE, T-A, 5' DIA, T-1 CL
 STA 445+55, 45.03' RT
 T.G. MATCH EXISTING ELEVATION
 INV. 579.63 N

1 PROP. STORM SEWER, CLASS A, TYPE 2 18", 44'
 TRENCH BACKFILL = 41.74 CUBIC YARDS

2 PROP. STORM SEWER, CLASS A, TYPE 2 12", 50'
 TRENCH BACKFILL = 57.25 CUBIC YARDS

3 PROP. STORM SEWER, CLASS A, TYPE 2 18", 269'
 TRENCH BACKFILL = 259 CUBIC YARDS

4 PROP. STORM SEWER, CLASS A, TYPE 2 12", 65'
 TRENCH BACKFILL = 51.8 CUBIC YARDS

5 PROP. STORM SEWER, CLASS A, TYPE 2 18", 339'
 TRENCH BACKFILL = 552 CUBIC YARDS

6 PROP. STORM SEWER, CLASS A, TYPE 2 12", 10'
 TRENCH BACKFILL = 6.32 CUBIC YARDS

7 PROP. STORM SEWER, CLASS A, TYPE 2 18", 117'
 TRENCH BACKFILL = 72.16 CUBIC YARDS

8 PROP. STORM SEWER, CLASS A, TYPE 2 18", 81'
 TRENCH BACKFILL = 48.2 CUBIC YARDS

8A PROP. STORM SEWER, CLASS A, TYPE 2 18", 23.8'
 TRENCH BACKFILL = 19.3 CUBIC YARDS

9 PROP. STORM SEWER, CLASS A, TYPE 2 12", 9'
 TRENCH BACKFILL = 2.31 CUBIC YARDS

10 PROP. STORM SEWER, CLASS A, TYPE 2 38 x 24", 83'
 TRENCH BACKFILL = 60.03 CUBIC YARDS

11 PROP. STORM SEWER, CLASS A, TYPE 2 12", 9'
 TRENCH BACKFILL = 2.50 CUBIC YARDS

12 PROP. STORM SEWER, CLASS A, TYPE 2 38 x 24", 85'
 TRENCH BACKFILL = 64.92 CUBIC YARDS

13 PROP. STORM SEWER, CLASS A, TYPE 2 18", 103'
 TRENCH BACKFILL = 66.64 CUBIC YARDS

13 PROP. STORM SEWER, CLASS A, TYPE 2 18", 103'
 TRENCH BACKFILL = 66.64 CUBIC YARDS

14 PROP. STORM SEWER, CLASS A, TYPE 2 18", 69'
 TRENCH BACKFILL = 52.16 CUBIC YARDS

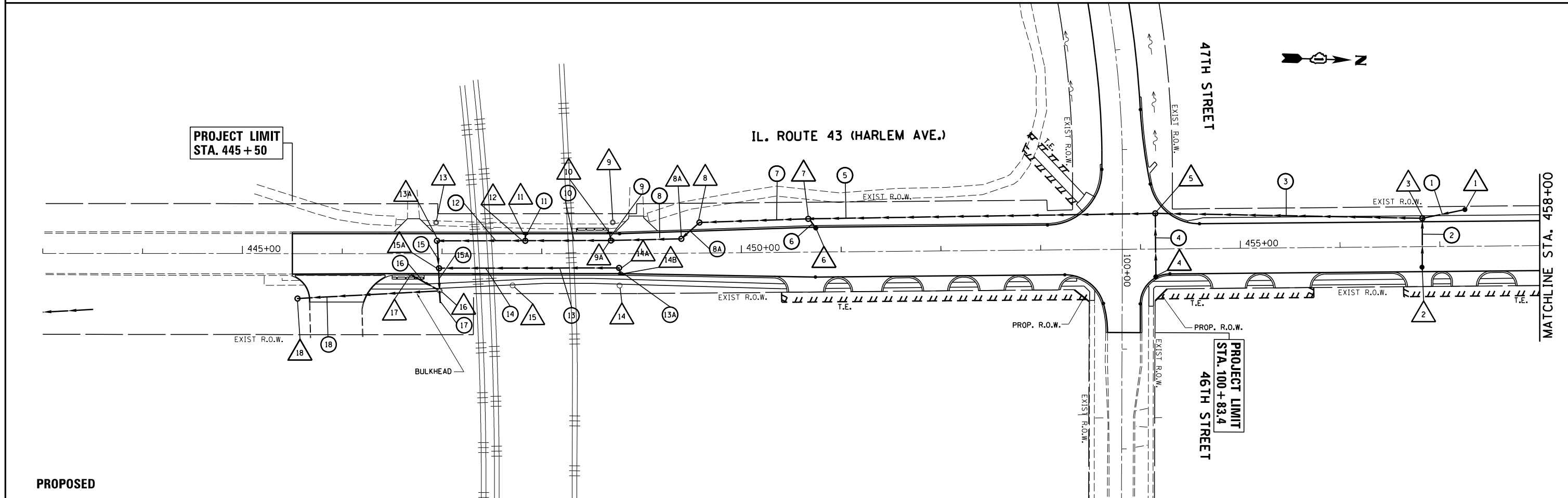
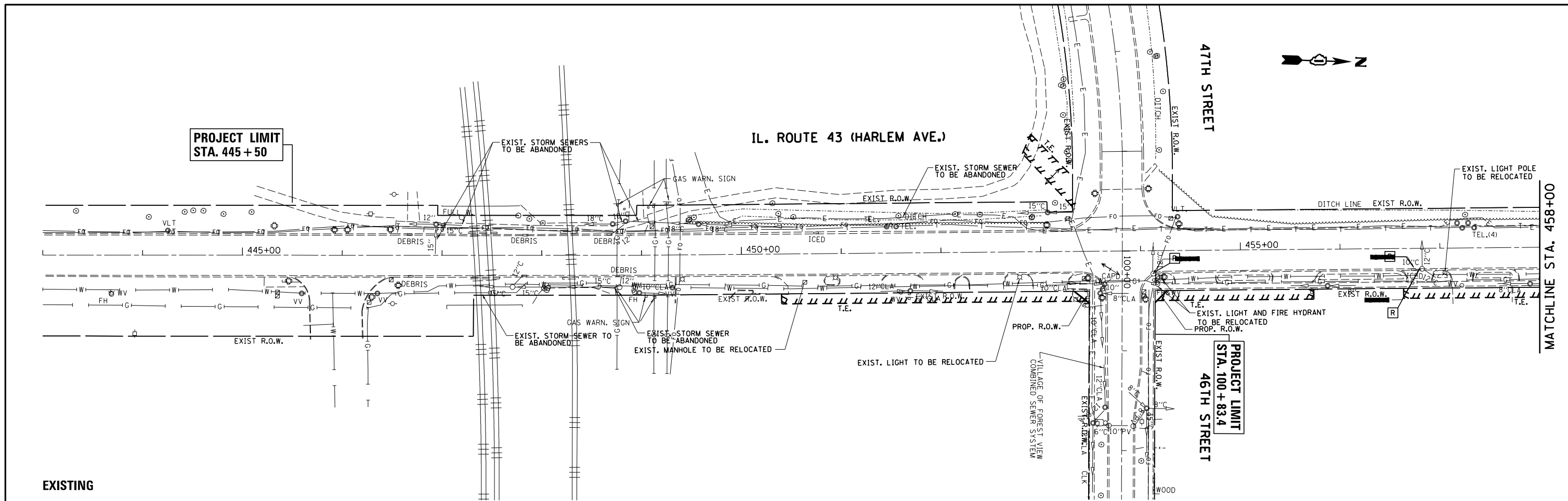
15 PROP. STORM SEWER, CLASS A, TYPE 2 38 x 24", 64'
 TRENCH BACKFILL = 62.2 CUBIC YARDS

16 PROP. STORM SEWER, CLASS A, TYPE 2 12", 31'
 TRENCH BACKFILL = 9.92 CUBIC YARDS

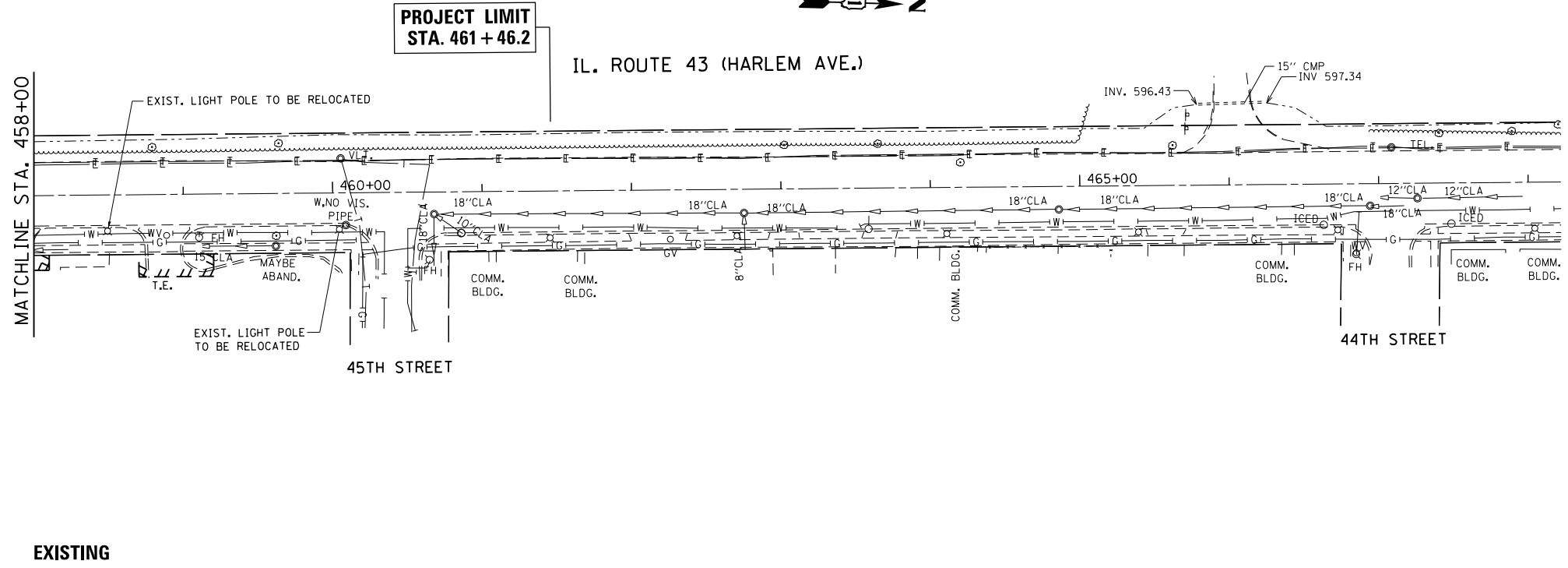
17 PROP. STORM SEWER, CLASS A, TYPE 2 38 x 24", 13'
 TRENCH BACKFILL = 12.51 CUBIC YARDS

18 PROP. STORM SEWER, CLASS A, TYPE 2 42", 140'
 TRENCH BACKFILL = 105.82 CUBIC YARDS

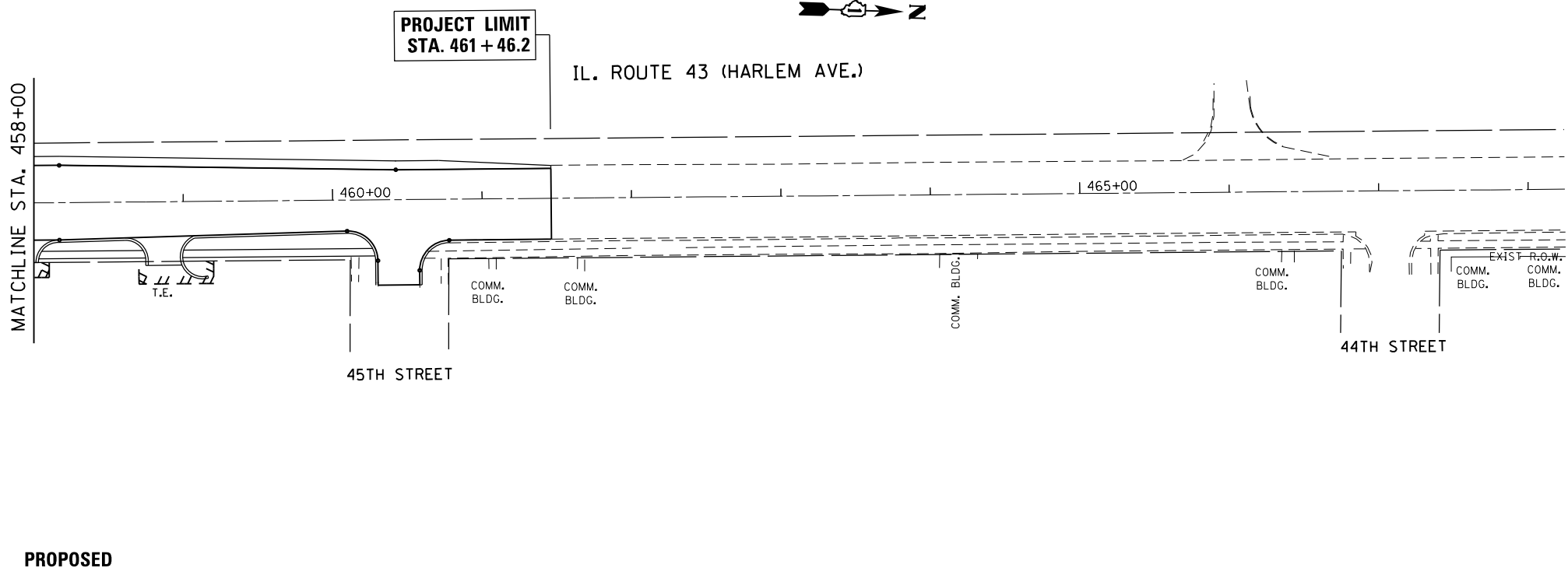
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Default	1/26/2017	DATE -	REVISED -					348	2424-N	COOK	89	36
					SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 60V42 ILLINOIS FED. AID PROJECT



FILE NAME = \\dot0161sike1.llinois.gov\DIUsers\currywaw\Desktop\Jobs\03CY17 60V42 (IL 43) Intersection\47th Street\CADD design\PI6969.dgn	USER NAME = currywaw	DESIGNED -	REVISED - 1-26-17 AC	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE AND UTILITY PLAN IL. RTE. 43 AT 46th/47th STREET	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			348	2424-N	COOK	89	37
Default	PLOT DATE = 1/26/2017	DATE -	REVISED -	SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.		CONTRACT NO. 60V42 ILLINOIS FED. AID PROJECT				



EXISTING



PROPOSED

FILE NAME =	USER NAME = curryw	DESIGNED -	REVISED -
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Default	PLOT DATE = 12/9/2016	DATE -	REVISED -

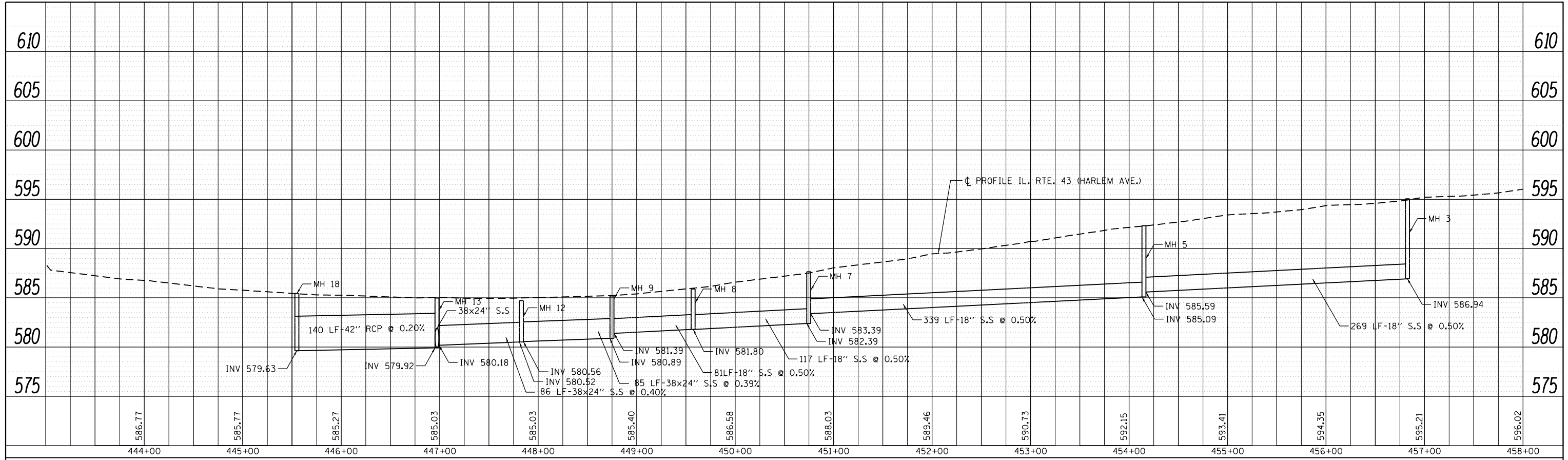
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITY PLAN
IL. RTE. 43 AT 46th/47th STREET**

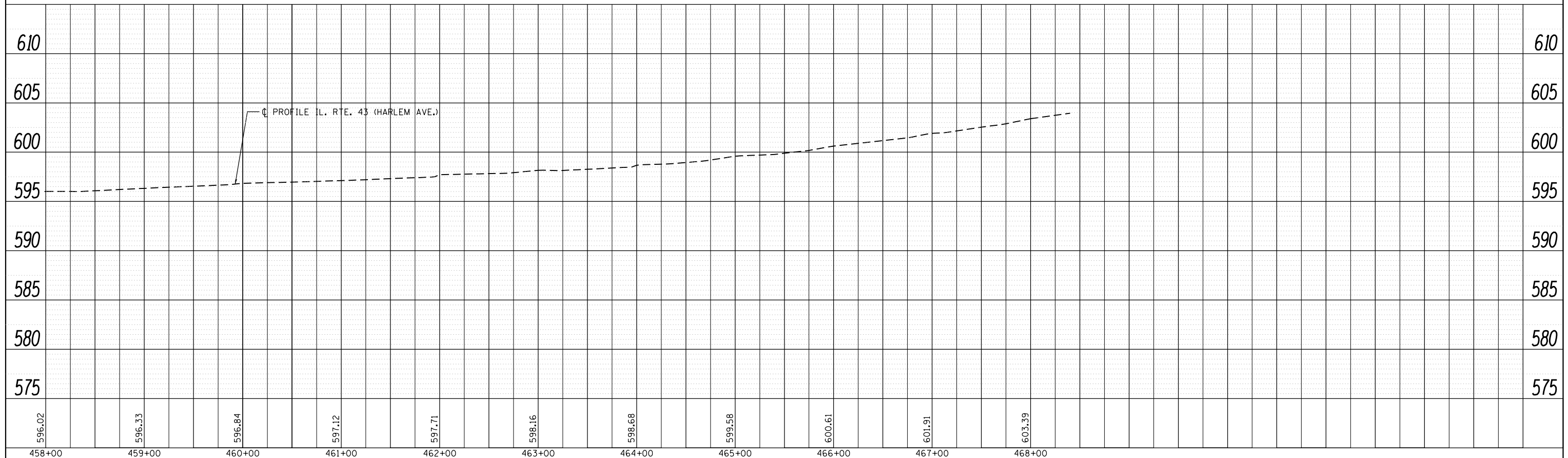
SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2424-N	COOK	89	38
CONTRACT NO. 60V42				
ILLINOIS FED. AID PROJECT				

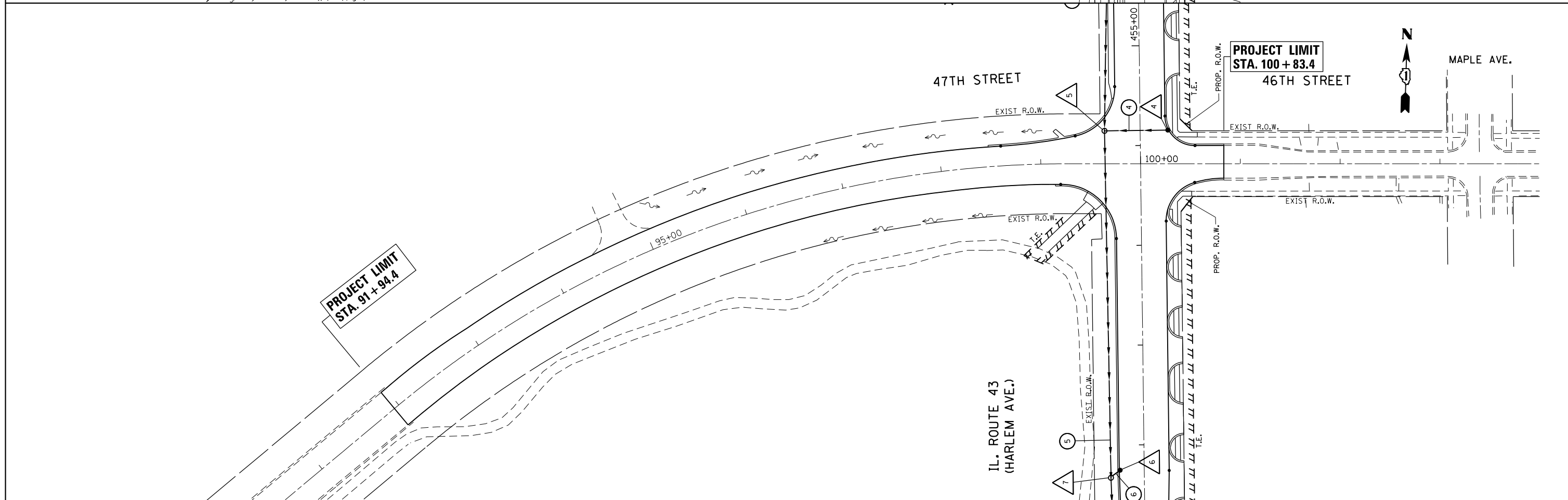
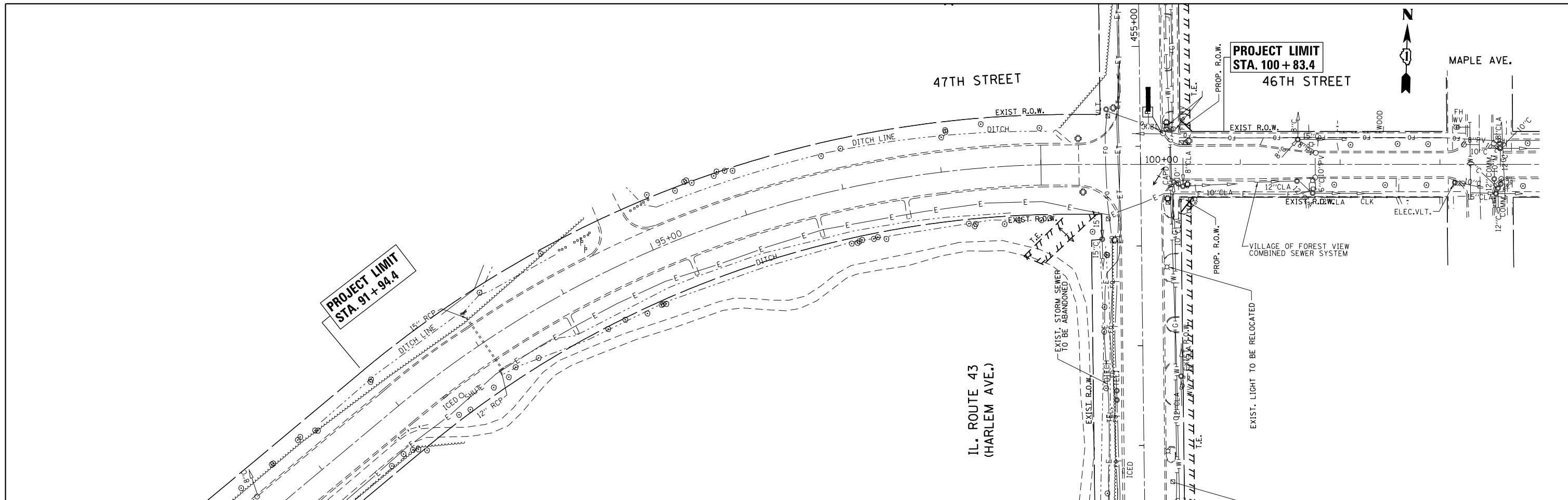
PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	FILE NAME		
	NO.		



PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE		
	NOT AT THIS OFFICE		
	NO.		



FILE NAME =	USER NAME = curryw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE PROFILE IL. RTE. 43 AT 46th/47th STREET		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED -	REVISED -		348	2424-N	COOK	89	39		
		DATE -	REVISED -		CONTRACT NO. 60V42			ILLINOIS FED. AID PROJECT			
					SCALE: 1"=50'	SHEET	OF	SHEETS	STA.	TO	STA.

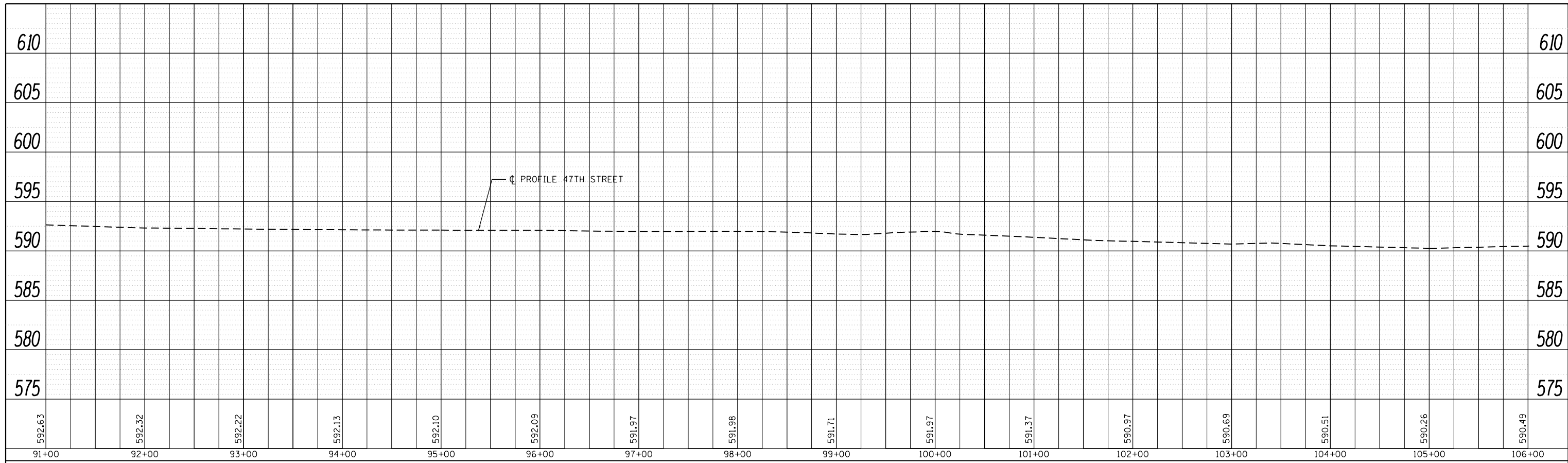


FILE NAME =	USER NAME = curryw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE AND UTILITY PLAN IL. RTE. 43 AT 46th/47th STREET			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 100.0000' / 1".		DATE -	REVISED -					CONTRACT NO. 60V42				
Default								ILLINOIS FED. AID PROJECT				

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

PLAN	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	ALIGNMENT		
	CHECKED		
	CARD FILE NAME		

PROFILE	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	GRADES		
	CHECKED		
	STRUCTURE		
	NOTATION		

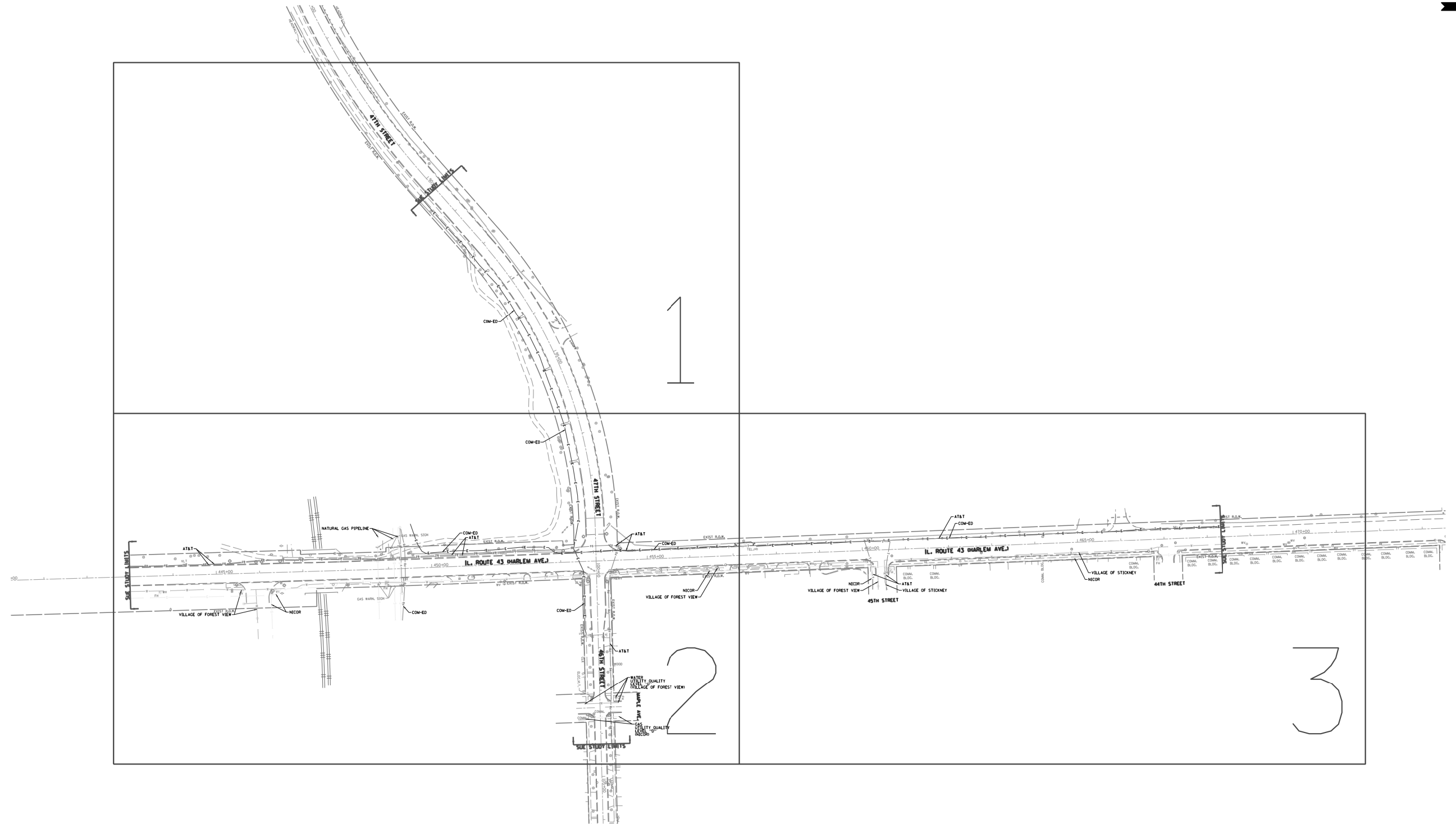
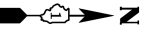


FILE NAME =	USER NAME = curryw	DESIGNED -	REVISED -
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/9/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE PROFILE			
IL. RTE. 43 AT 46th/47th STREET			
SCALE: 1"=50'	SHEET	OF	SHEETS
	STA.		TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2424-N	COOK	89	41
CONTRACT NO. 60V42				
ILLINOIS FED. AID PROJECT				



— A — A —	AERIAL
— — — —	UNKNOWN
— O — — —	OIL
— CTV — CTV —	CABLE TV
— T — — T —	TELEPHONE
— G — — — G —	GAS
— E — — — E —	ELECTRIC
— W — — — W —	WATER
— FO — — — FO —	FIBER OPTIC
⊕	TBE TEST HOLE

UTILITY OWNERS	
AT&T - FIBER OPTIC	
AT&T - TELEPHONE	
COM-ED - ELECTRIC	
COM-ED - FIBER OPTIC	
NATURAL GAS PIPELINE - GAS	
NICOR - GAS	
VILLAGE OF FOREST VIEW - WATER	
VILLAGE OF STICKNEY - WATER	

Utilities shown on these plans as depicted in the legend have been investigated by Cardno TBE in accordance with SUE Industry Standards. All other information shown has been provided to Cardno TBE by others. Cardno TBE's SUE field investigation was performed 9/12/14 through 9/29/14. Changes to utilities after 9/29/14 may have been made and therefore may result in variances from this plan. Consideration should be given to updating this plan if deemed advisable prior to final design and construction.

ALL UTILITIES SHOWN QUALITY LEVEL "B"
UNLESS NOTED OTHERWISE.



TBE Job No. IL09510631
SUE Plan Page: Cover

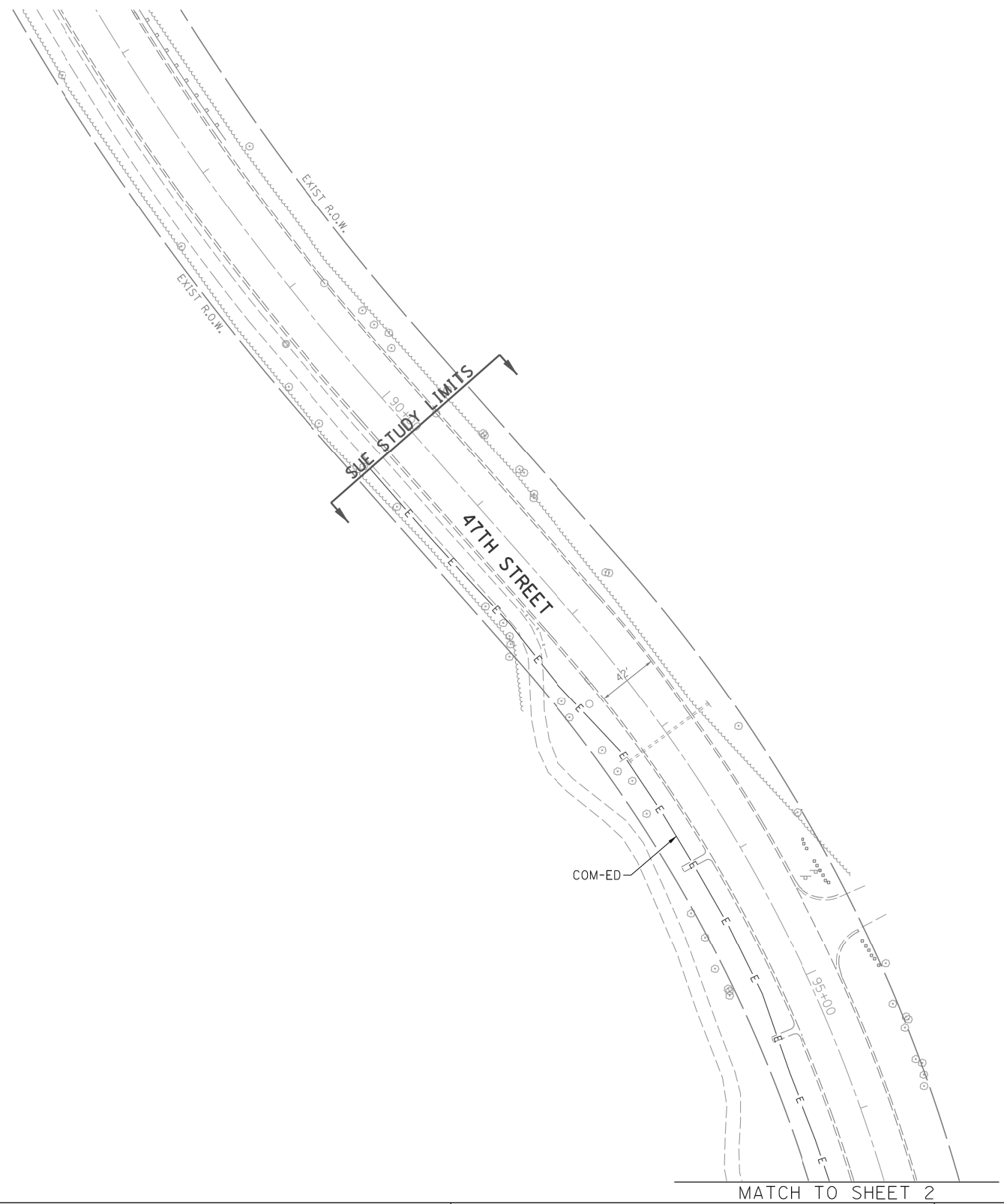
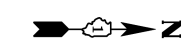
Utility Quality Level "A" : Visually Verified Test Hole
Utility Quality Level "B" : Designating/non Visually Verified Test Hole
Utility Quality Level "C" : Research with Survey
Utility Quality Level "D" : Records Research

DESIGNED	ER	REVISED
DRAWN	SRK	REVISED
CHECKED	MGR	REVISED
DATE	10/01/14	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 43 at 46th/47th Street
Lyons/Forest View, Illinois

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2424-N	Cook	89	42
Contract No. 60V42				
FED. ROAD DIST. NO. ILLINOIS IDOT Project No.				

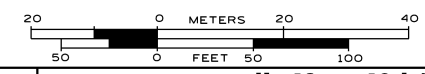


— A — A — A —	AERIAL
— — — — —	UNKNOWN
— O — — — — O —	OIL
— CTV — — — — CTV —	CABLE TV
— T — — — — T —	TELEPHONE
— G — — — — G —	GAS
— E — — — — E —	ELECTRIC
— W — — — — W —	WATER
— FO — — — — FO —	FIBER OPTIC
⊕	TBE TEST HOLE

UTILITY OWNERS	
AT&T - FIBER OPTIC	
AT&T - TELEPHONE	
COM-ED - ELECTRIC	
COM-ED - FIBER OPTIC	
NATURAL GAS PIPELINE - GAS	
NICOR - GAS	
VILLAGE OF FOREST VIEW - WATER	
VILLAGE OF STICKNEY - WATER	

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TBE Job No. IL09510631
SUE Plan Page: 1 of 3

Utility Quality Level "A" : Visually Verified Test Hole
Utility Quality Level "B" : Designating/non Visually Verified Test Hole
Utility Quality Level "C" : Research with Survey
Utility Quality Level "D" : Records Research

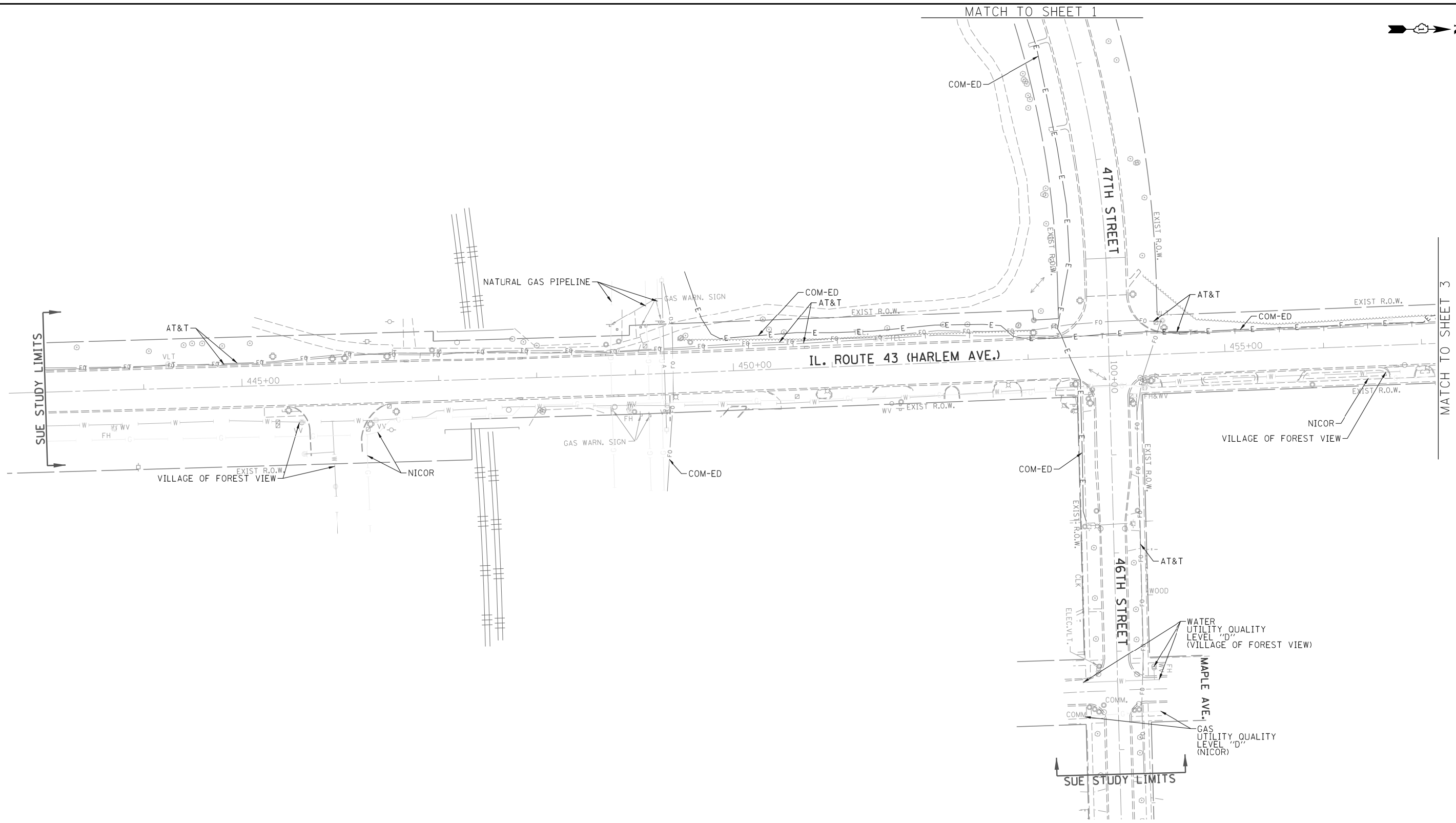
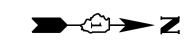
DESIGNED	ER	REVISED
DRAWN	SRK	REVISED
CHECKED	MGR	REVISED
DATE	10/01/14	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 43 at 46th/47th Street
Lyons/Forest View, Illinois

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2424-N	Cook	89	43
FED. ROAD DIST. NO. ILLINOIS IDOT Project No.			Contract No. 60V42	

MATCH TO SHEET 1

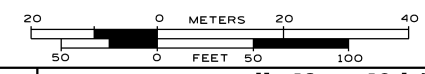


— A — A — A —	AERIAL
— O — O — O —	UNKNOWN
— CTV — CTV — CTV —	OIL
— T — T — T —	CABLE TV
— G — G — G —	TELEPHONE
— E — E — E —	GAS
— W — W — W —	ELECTRIC
— FO — FO — FO —	WATER
⊕	FIBER OPTIC
⊕	TBE TEST HOLE

UTILITY OWNERS	
AT&T - FIBER OPTIC	
AT&T - TELEPHONE	
COM-ED - ELECTRIC	
COM-ED - FIBER OPTIC	
NATURAL GAS PIPELINE - GAS	
NICOR - GAS	
VILLAGE OF FOREST VIEW - WATER	
VILLAGE OF STICKNEY - WATER	

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ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.



TBE Job No. IL09510631
SUE Plan Page: 2 of 3

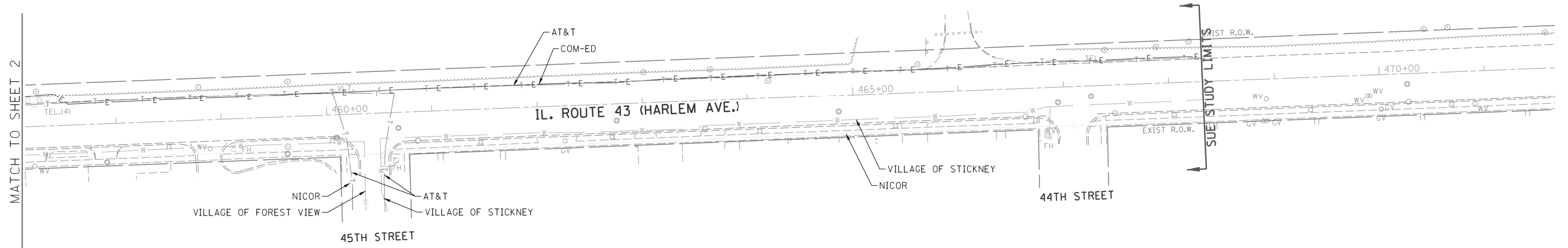
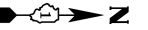
Utility Quality Level "A" : Visually Verified Test Hole
Utility Quality Level "B" : Designating/non Visually Verified Test Hole
Utility Quality Level "C" : Research with Survey
Utility Quality Level "D" : Records Research

DESIGNED	ER	REVISED	
DRAWN	SRK	REVISED	
CHECKED	MGR	REVISED	
DATE	10/01/14	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 43 at 46th/47th Street
Lyons/Forest View, Illinois

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2424-N	Cook	89	44
Contract No. 60V42				
FED. ROAD DIST. NO. ILLINOIS IDOT Project No.				

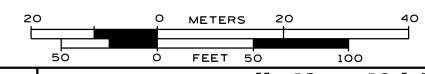


— A — A — A — A	AERIAL
— — — — —	UNKNOWN
— O — — — — O	OIL
— CTV — — — — CTV	CABLE TV
— T — — — — T	TELEPHONE
— G — — — — G	GAS
— E — — — — E	ELECTRIC
— W — — — — W	WATER
— FO — — — — FO	FIBER OPTIC
⊕	TBE TEST HOLE

UTILITY OWNERS	
AT&T	- FIBER OPTIC
AT&T	- TELEPHONE
COM-ED	- ELECTRIC
COM-ED	- FIBER OPTIC
NATURAL GAS PIPELINE	- GAS
NICOR	- GAS
VILLAGE OF FOREST VIEW	- WATER
VILLAGE OF STICKNEY	- WATER

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**Cardno
TBE**



Dynasty Group
Engineers & Surveyors

TBE Job No. IL09510631
SUE Plan Page: 3 of 3

Utility Quality Level "A" : Visually Verified Test Hole
Utility Quality Level "B" : Designating/non Visually Verified Test Hole
Utility Quality Level "C" : Research with Survey
Utility Quality Level "D" : Records Research

DESIGNED	ER	REVISED
DRAWN	SRK	REVISED
CHECKED	MGR	REVISED
DATE	10/01/14	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 43 at 46th/47th Street
Lyons/Forest View, Illinois**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2424-N	Cook	89	45
FED. ROAD DIST. NO.			ILLINOIS IDOT Project No.	
			Contract No. 60V42	

PART OF THE WEST HALF OF THE SOUTHWEST QUARTER OF SECTION 6, TOWNSHIP 38 NORTH, RANGE 13 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, ILLINOIS.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT ACRES	EASEMENT AREA SQUARE FEET	EASEMENT PURPOSE	PERMANENT INDEX NUMBER
OJG0001TE	0.513			0.513	0.017	724	GRADING	19-06-323-005 19-06-323-006
OJG0002TE	0.180			0.180	0.015	640	GRADING	19-06-323-004
OJG0003TE	0.180			0.180	0.015	639	GRADING	19-06-323-003

LEGEND

SECTION CORNER
QUARTER SECTION CORNER

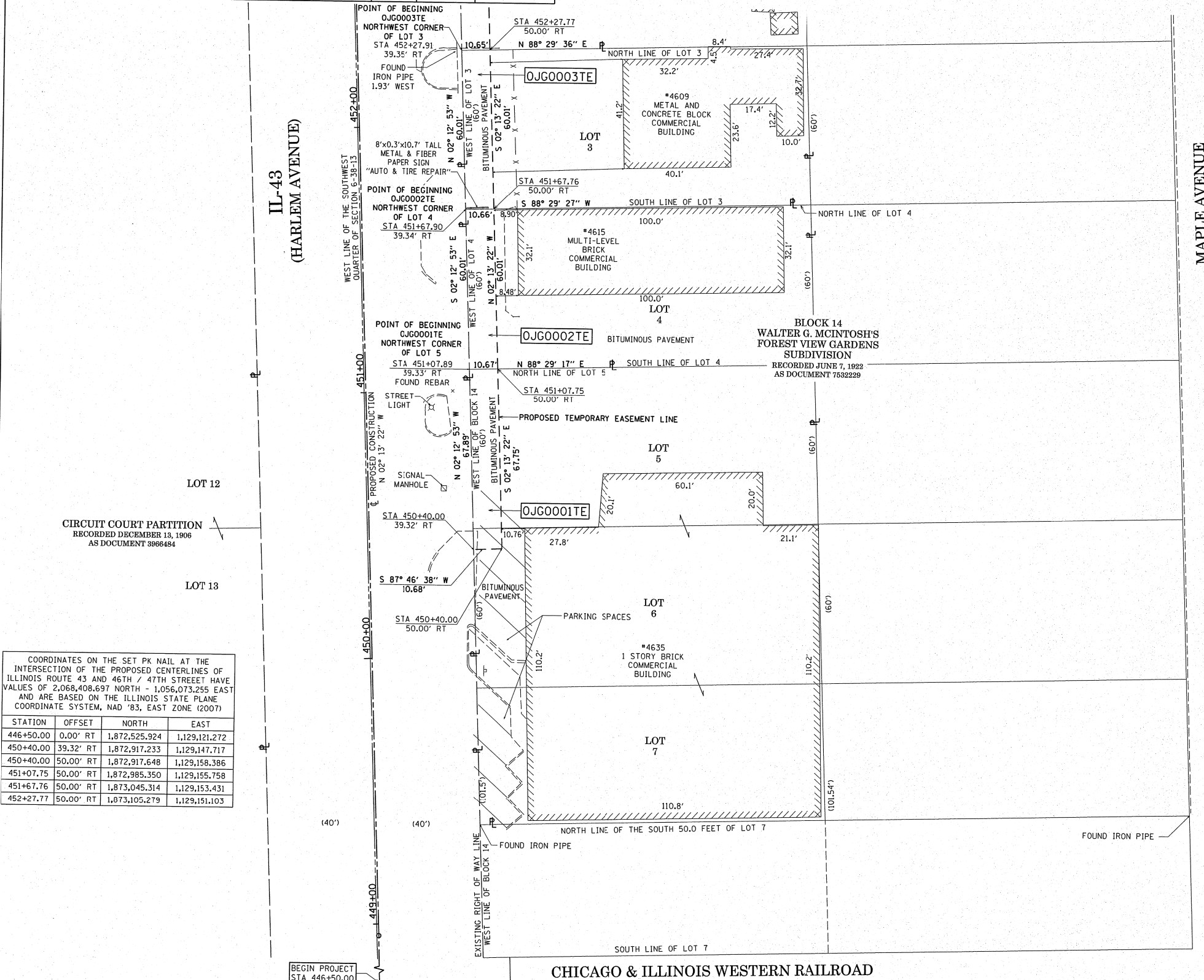
SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINES
PROPERTY (DEED) LINE
APPARENT PROPERTY LINE
CENTERLINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
MEASURED DIMENSION
129.32'
129.32' (COMP)
1129.32'
COMPUTED DIMENSION
RECORDED DIMENSION
EXISTING BUILDING

GRAPHIC SCALE
FEET
0 20
SCALE: 1" = 20'

BEARINGS ARE BASED ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2007), EAST ZONE, AND THE CENTERLINE OF PROPOSED CONSTRUCTION OF IL-43 (HARLEM AVENUE) BEARS N 02° 13' 22" W

IL-43
(HARLEM AVENUE)

MAPLE AVENUE



CIRCUIT COURT PARTITION
RECORDED DECEMBER 13, 1906
AS DOCUMENT 3866484

COORDINATES ON THE SET PK NAIL AT THE INTERSECTION OF THE PROPOSED CENTERLINES OF ILLINOIS ROUTE 43 AND 46TH / 47TH STREET HAVE VALUES OF 2,068,408.697 NORTH - 1,056,073.255 EAST AND ARE BASED ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD '83, EAST ZONE (2007)

STATION	OFFSET	NORTH	EAST
446+50.00	0.00' RT	1,872,525.924	1,129,121.272
450+40.00	39.32' RT	1,872,917.233	1,129,147.717
450+40.00	50.00' RT	1,872,917.648	1,129,158.386
451+07.75	50.00' RT	1,872,985.350	1,129,155.758
451+67.76	50.00' RT	1,873,045.314	1,129,153.431
452+27.77	50.00' RT	1,873,105.279	1,129,151.103

- IRON PIPE OR ROD FOUND
 - + CUT CROSS FOUND OR SET
 - T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION, SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - T2
 - T3
 - BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION, BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - BT2
 - BT3
 - STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
 - M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - ⊕ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS).
 - RIGHT OF WAY STAKING PROPOSED TO BE SET.
- STATE OF ILLINOIS)
)SS
COUNTY OF COOK)
- THIS IS TO CERTIFY THAT I, WILLIAM J. FLEMING, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 6, TOWNSHIP 38 NORTH, RANGE 13 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.
- DATED AT CHICAGO, ILLINOIS THIS 4TH DAY OF NOVEMBER, A.D. 2013.

ILLINOIS PROFESSIONAL LAND SURVEYOR 35-3226
LICENSE EXPIRATION DATE: 11/30/2014

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS OF PRACTICE FOR A BOUNDARY SURVEY.



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GRAEF PROJECT
20123007.04

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL-43 (HARLEM AVENUE)

SECTION: AT 46TH/47TH ST. COUNTY: COOK
PROJECT JOB NO.: R-90-010-13
STATION 446+50.00 TO STATION 452+45.00
SCALE: 1" = 20' SHEET 2 OF 5

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

RECEIVED
NOV 05 2013

PLATS & LEGALS

ROUTE NAME: IL-43 (HARLEM AVENUE)

BEGIN PROJECT
STA 446+50.00

SECTION: AT 46TH / 47TH STREET

CHICAGO & ILLINOIS WESTERN RAILROAD

COUNTY: COOK

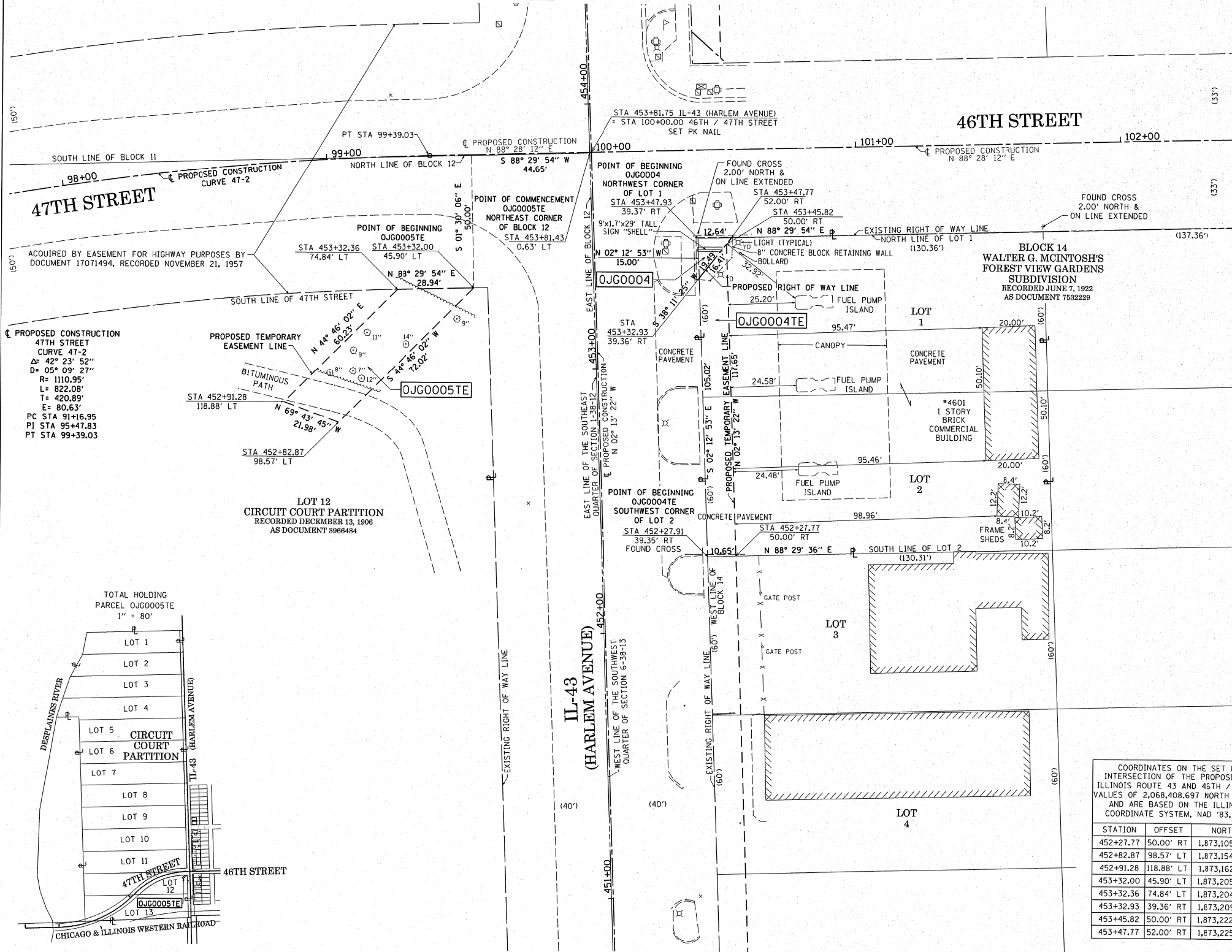
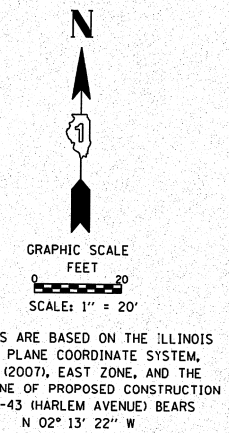
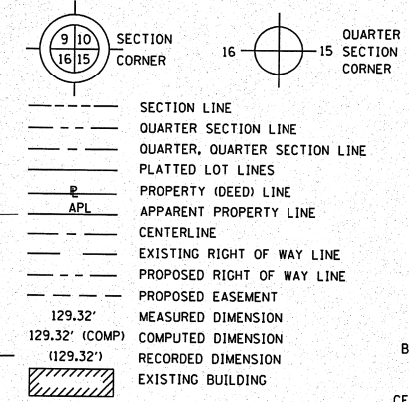
JOB NO.: R-90-010-13

REVISION DATE REVISION MADE BY
RECORDING: RECORDED ON

PART OF THE SOUTHEAST QUARTER OF SECTION 1, TOWNSHIP 38 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, ILLINOIS,
AND PART OF THE SOUTHWEST QUARTER OF SECTION 6, TOWNSHIP 38 NORTH, RANGE 13 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, ILLINOIS.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT ACRES	AREA SQUARE FEET	EASEMENT PURPOSE	PERMANENT INDEX NUMBER
OJG0004	0.259	0.002 (95 50.F.T.)		0.257				19-06-323-024
OJG0004TE					0.027	1189	GRADING	
OJG0005TE	156.867			156.867	0.030	1323	CONSTRUCT PATH	18-01-400-004

LEGEND



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

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

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

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

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

□: PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS). RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS)
 COUNTY OF COOK)

THIS IS TO CERTIFY THAT I, WILLIAM J. FLEMING, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 1, TOWNSHIP 38 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, AND IN SECTION 6, TOWNSHIP 38 NORTH, RANGE 13 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CHICAGO, ILLINOIS THIS 6TH DAY OF DECEMBER, A.D. 2013.



ILLINOIS PROFESSIONAL LAND SURVEYOR 35-3226
 LICENSE EXPIRATION DATE: 11/30/2014

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS OF PRACTICE FOR A BOUNDARY SURVEY.



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 20123007.04

COORDINATES ON THE SET PK NAIL AT THE INTERSECTION OF THE PROPOSED CENTERLINES OF ILLINOIS ROUTE 43 AND 45TH / 47TH STREET HAVE VALUES OF 2,068,408.697 NORTH - 1,056,073.255 EAST AND ARE BASED ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD '83, EAST ZONE (2007)

STATION	OFFSET	NORTH	EAST
452+27.77	50.00' RT	1,873,105.279	1,129,151.103
452+82.87	98.57' LT	1,873,154.572	1,129,000.508
452+91.28	118.88' LT	1,873,162.188	1,128,979.887
453+32.00	45.90' LT	1,873,205.707	1,129,051.228
453+32.36	74.84' LT	1,873,204.948	1,129,022.300
453+32.93	39.36' RT	1,873,209.941	1,129,136.396
453+45.82	50.00' RT	1,873,222.836	1,129,146.540
453+47.77	52.00' RT	1,873,225.261	1,129,148.448

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 IL-43 (HARLEM AVENUE)

SECTION: AT 46TH/47TH ST. COUNTY: COOK
 PROJECT JOB NO.: R-90-010-13
 STATION 451+00.00 TO STATION 454+00.00
 SCALE: 1" = 20' SHEET 3 OF 5

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

RECEIVED
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 PLATS & LEGALS

PART OF THE NORTHWEST QUARTER OF SECTION 6, TOWNSHIP 38 NORTH, RANGE 13 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, ILLINOIS.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT ACRES	AREA SQUARE FEET	EASEMENT PURPOSE	PERMANENT INDEX NUMBER
OJG0006	0.919	0.002		0.917	0.037			19-06-315-006
OJG0006TE-A		76 sf			0.012			19-06-315-028
OJG0006TE-B								19-06-315-029
								19-06-315-025

LEGEND

SECTION CORNER
QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINES
PROPERTY (DEED) LINE
APPARENT PROPERTY LINE
CENTERLINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
MEASURED DIMENSION
129.32' (COMP)
129.32' (129.32')
RECORDED DIMENSION
EXISTING BUILDING

GRAPHIC SCALE
FEET
SCALE: 1" = 20'

BEARINGS ARE BASED ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2007), EAST ZONE, AND THE CENTERLINE OF PROPOSED CONSTRUCTION OF IL-43 (HARLEM AVENUE) BEARS N 02° 13' 22" W

● IRON PIPE OR ROD FOUND
+ CUT CROSS FOUND OR SET
● T1
● T2
● T3
● BT1
● BT2
● BT3
■ STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED 3/8" INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS).
□ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS)
COUNTY OF COOK)

THIS IS TO CERTIFY THAT I, WILLIAM J. FLEMING, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 6, TOWNSHIP 38 NORTH, RANGE 13 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

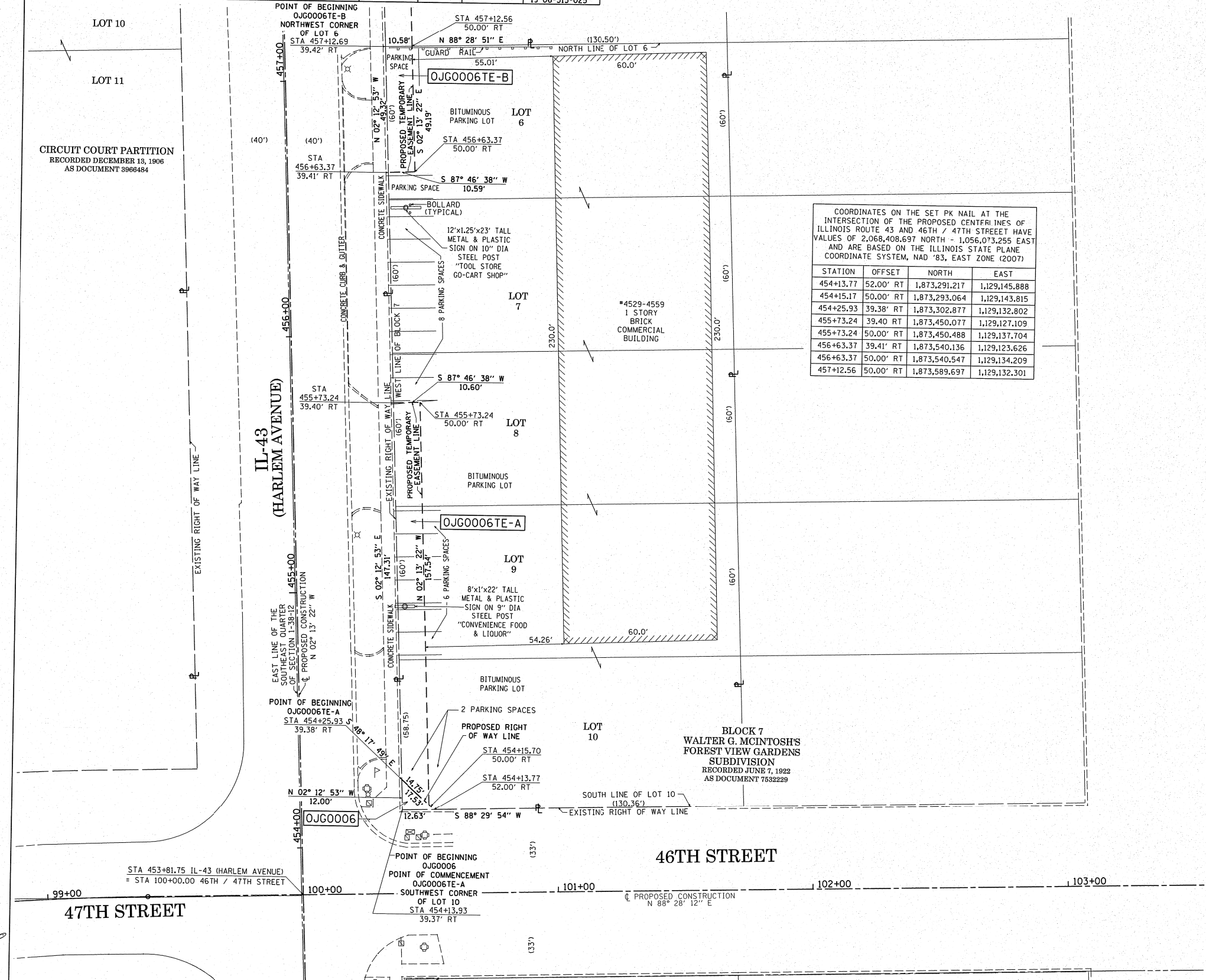
DATED AT CHICAGO, ILLINOIS THIS 5TH DAY OF DECEMBER, A.D. 2013.

ILLINOIS PROFESSIONAL LAND SURVEYOR 35-3226
LICENSE EXPIRATION DATE: 11/30/2014

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS OF PRACTICE FOR A BOUNDARY SURVEY.

COORDINATES ON THE SET PK NAIL AT THE INTERSECTION OF THE PROPOSED CENTER LINES OF ILLINOIS ROUTE 43 AND 46TH / 47TH STREET HAVE VALUES OF 2,068,408.697 NORTH - 1,056,073.255 EAST AND ARE BASED ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD '83, EAST ZONE (2007)

STATION	OFFSET	NORTH	EAST
454+13.77	52.00' RT	1,873,291.217	1,129,145.888
454+15.17	50.00' RT	1,873,293.064	1,129,143.815
454+25.93	39.38' RT	1,873,302.877	1,129,132.802
455+73.24	39.40' RT	1,873,450.077	1,129,127.109
455+73.24	50.00' RT	1,873,450.488	1,129,137.704
456+63.37	39.41' RT	1,873,540.136	1,129,123.626
456+63.37	50.00' RT	1,873,540.547	1,129,134.209
457+12.56	50.00' RT	1,873,589.697	1,129,132.301



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PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL-43 (HARLEM AVENUE)

SECTION: AT 46TH/47TH ST. COUNTY: COOK
PROJECT
STATION 453+81.75
SCALE: 1" = 20'

JOB NO.: R-90-010-13
TO STATION 457+12.69
SHEET 4 OF 5

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

PART OF THE NORTHWEST QUARTER OF SECTION 6, TOWNSHIP 38 NORTH, RANGE 13 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, ILLINOIS.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT ACRES	AREA SQUARE FEET	EASEMENT PURPOSE	PERMANENT INDEX NUMBER
OJG0007TE	0.185			0.185	0.015	635	ENTRANCE CONSTRUCTION	19-06-315-005
OJG0008TE	0.225			0.225	0.009	395	ENTRANCE CONSTRUCTION	19-06-315-027
OJG0009TE	0.490			0.490	0.018	778	ENTRANCE CONSTRUCTION	19-06-315-001 19-06-315-002 19-06-315-026

COORDINATES ON THE SET PK NAIL AT THE INTERSECTION OF THE PROPOSED CENTERLINES OF ILLINOIS ROUTE 43 AND 46TH / 47TH STREET HAVE VALUES OF 2,068,408.697 NORTH - 1,056,073.255 EAST AND ARE BASED ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD '83, EAST ZONE (2007)

STATION	OFFSET	NORTH	EAST
457+12.56	50.00' RT	1,873,589.697	1,129,132.301
457+72.56	50.00' RT	1,873,649.653	1,129,129.974
458+10.00	50.00' RT	1,873,687.068	1,129,128.522
458+10.00	39.43' RT	1,873,686.658	1,129,117.959
458+70.00	55.00' RT	1,873,747.217	1,129,131.191
458+70.00	39.44' RT	1,873,746.613	1,129,115.641
459+20.00	39.44' RT	1,873,796.576	1,129,113.701
459+20.00	55.00' RT	1,873,797.179	1,129,129.252
462+00.00	0.00' RT	1,874,074.835	1,129,063.433

LEGEND

- SECTION LINE
- - - QUARTER SECTION LINE
- - - QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING

129.32' (129.32')
129.32' (COMP)
129.32' (RECORDED)

IRON PIPE OR ROD FOUND
CUT CROSS FOUND OR SET

T1
T2
T3

BT1
BT2
BT3

M

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

RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS)
COUNTY OF COOK)

THIS IS TO CERTIFY THAT I, WILLIAM J. FLEMING, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 6, TOWNSHIP 38 NORTH, RANGE 13 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

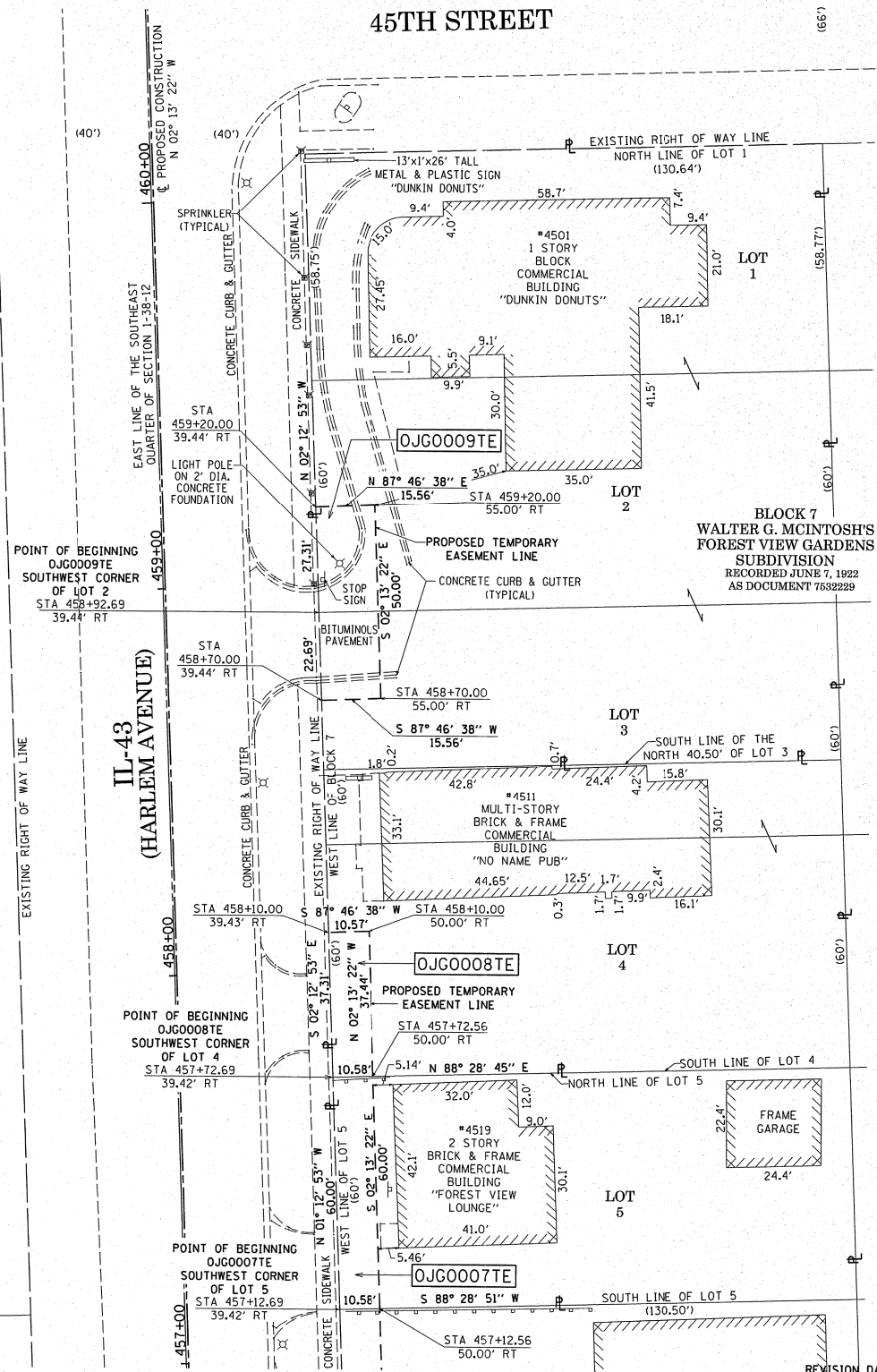
DATED AT CHICAGO, ILLINOIS THIS 6TH DAY OF DECEMBER, A.D. 2013.

ILLINOIS PROFESSIONAL LAND SURVEYOR 35-3226
LICENSE EXPIRATION DATE: 11/30/2014

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS OF PRACTICE FOR A BOUNDARY SURVEY.

GRAPHIC SCALE
0 20
FEET
SCALE: 1" = 20'

BEARINGS ARE BASED ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2007), EAST ZONE, AND THE CENTERLINE OF PROPOSED CONSTRUCTION OF IL-43 (HARLEM AVENUE) BEARS N 02° 13' 22" W



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PLATS & LEGALS

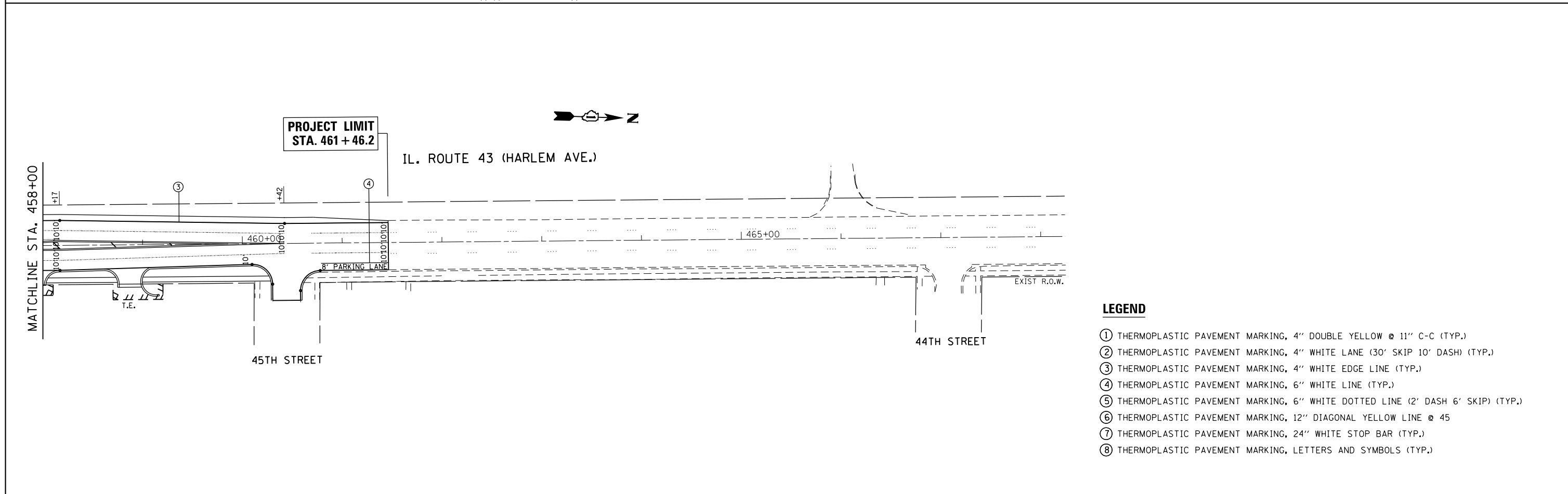
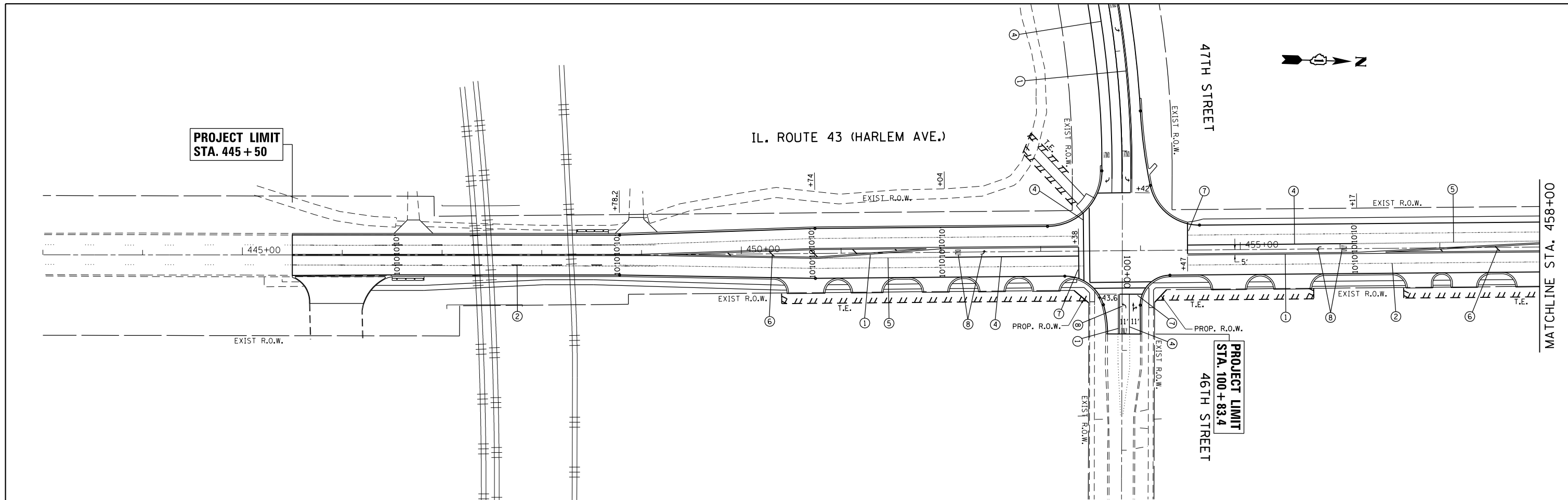
ROUTE NAME: IL-43 (HARLEM AVENUE) SECTION: AT 46TH / 47TH STREET COUNTY: COOK JOB NO.: R-90-010-13 REVISION DATE: REVISION MADE BY RECORDING: RECORDED ON

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PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL-43 (HARLEM AVENUE)
SECTION: AT 46TH/47TH ST. COUNTY: COOK
PROJECT JOB NO.: R-90-010-13
STATION 457+00.00 TO STATION 462+00.00
SCALE: 1" = 20' SHEET 5 OF 5

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



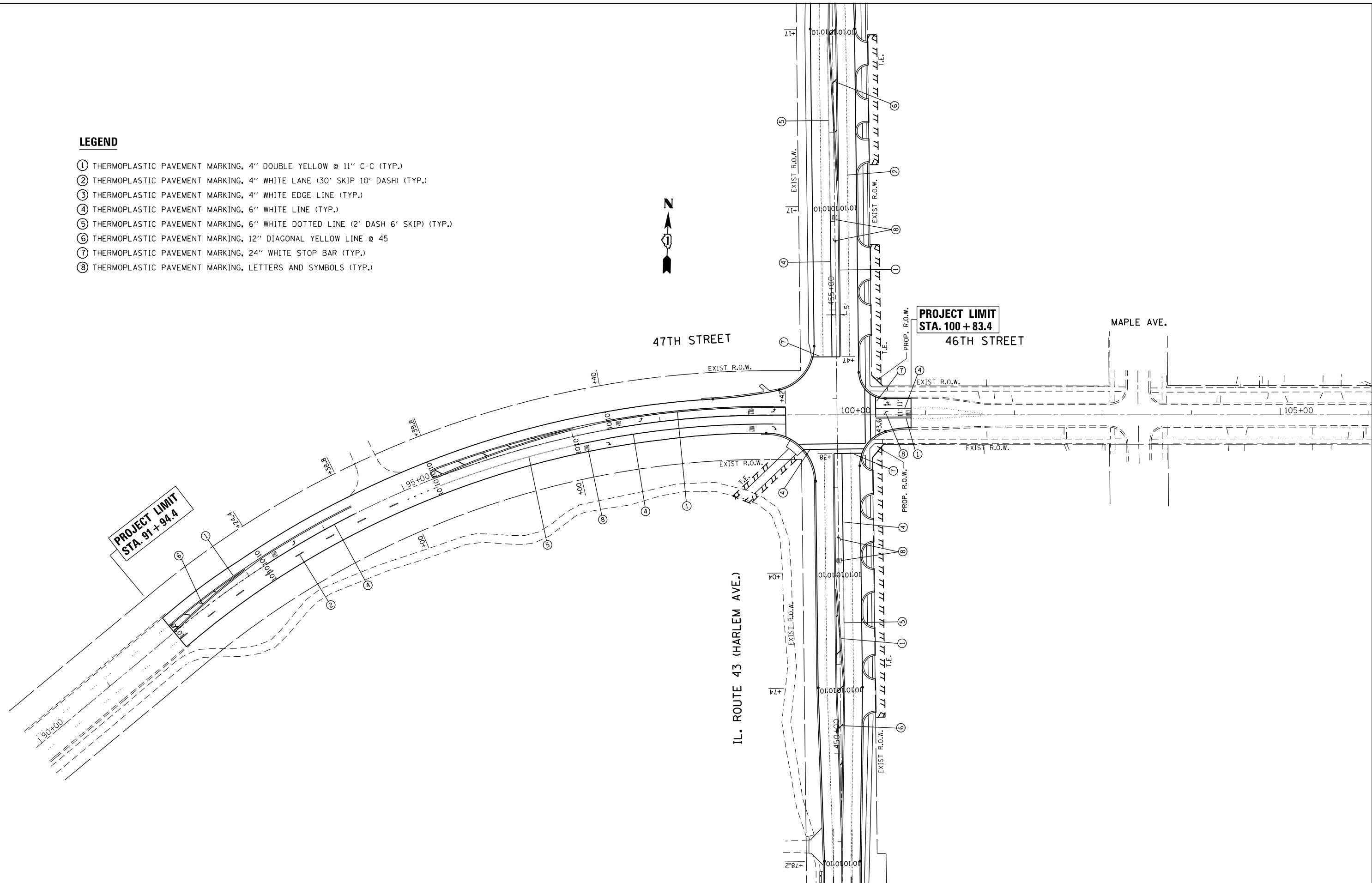
LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING, 4" DOUBLE YELLOW @ 11" C-C (TYP.)
- ② THERMOPLASTIC PAVEMENT MARKING, 4" WHITE LANE (30' SKIP 10' DASH) (TYP.)
- ③ THERMOPLASTIC PAVEMENT MARKING, 4" WHITE EDGE LINE (TYP.)
- ④ THERMOPLASTIC PAVEMENT MARKING, 6" WHITE LINE (TYP.)
- ⑤ THERMOPLASTIC PAVEMENT MARKING, 6" WHITE DOTTED LINE (2' DASH 6' SKIP) (TYP.)
- ⑥ THERMOPLASTIC PAVEMENT MARKING, 12" DIAGONAL YELLOW LINE @ 45
- ⑦ THERMOPLASTIC PAVEMENT MARKING, 24" WHITE STOP BAR (TYP.)
- ⑧ THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS (TYP.)

FILE NAME =	USER NAME = currywaw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING PLAN IL. RTE. 43 AT 46th/47th STREET			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG\illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\PI6960\DATA\CAD\Sheets\PI69609-sht-pmk.dgn	PLotted SCALE = 100.0000' / in.	CHECKED -	REVISED -					348	2424-N	COOK	89	50
Default	PLOT DATE = 12/19/2016	DATE -	REVISED -		SCALE: 1"=50'			SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 60V42	
ILLINOIS FED. AID PROJECT												

LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING, 4" DOUBLE YELLOW @ 11" C-C (TYP.)
- ② THERMOPLASTIC PAVEMENT MARKING, 4" WHITE LANE (30' SKIP 10' DASH) (TYP.)
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- ⑦ THERMOPLASTIC PAVEMENT MARKING, 24" WHITE STOP BAR (TYP.)
- ⑧ THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS (TYP.)



FILE NAME =	USER NAME = curryw	DESIGNED -	REVISED -
pw\l\084EBIDINTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\PI696\DOT\CAD\Sheets\PI69609-sht-pmk.dwg		DRAWN -	REVISED -
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/19/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
IL. RTE. 43 AT 46th/47th STREET**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2424-N	COOK	89	51
CONTRACT NO. 60V42				
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL LEGEND

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

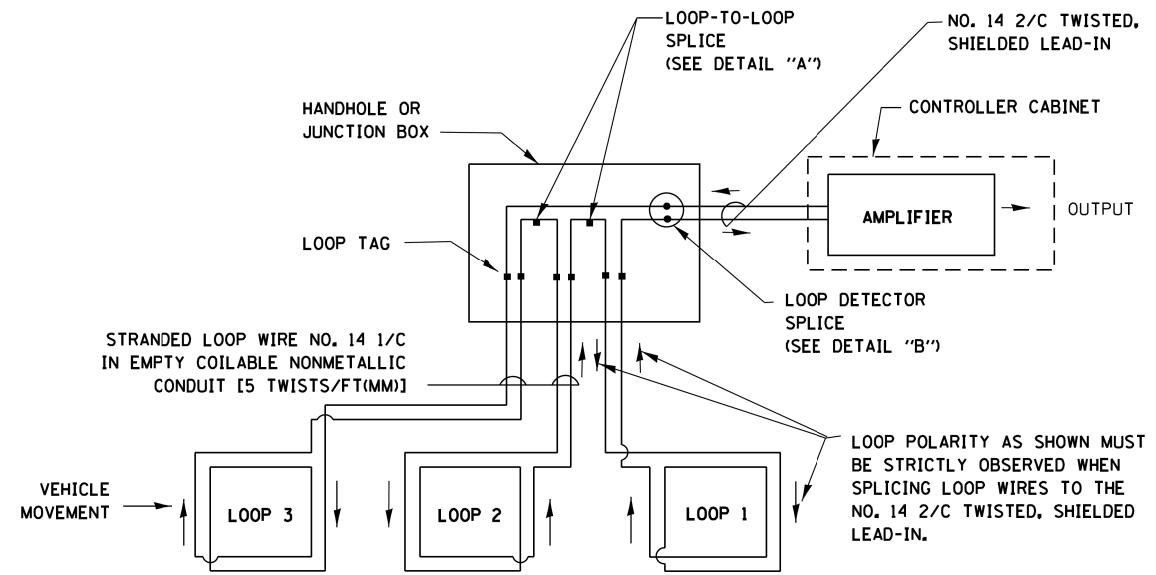
RAILROAD SYMBOLS

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

TS SHT NO. 1

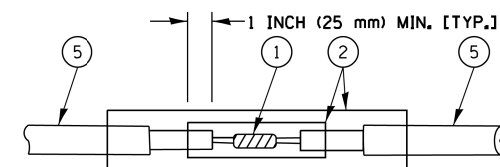
LOOP DETECTOR NOTES

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

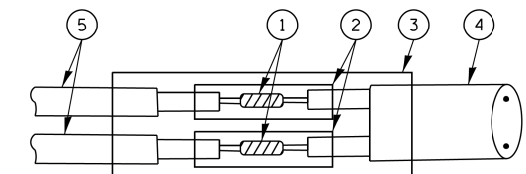


DETECTOR LOOP WIRING SCHEMATIC

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



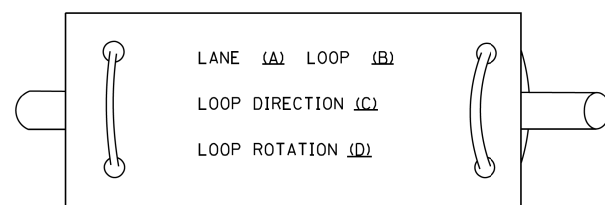
**DETAIL "A"
LOOP-TO-LOOP SPLICE**



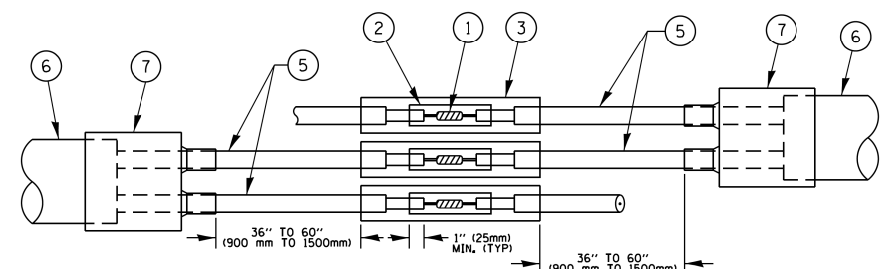
**DETAIL "B"
LOOP-TO-CONTROLLER SPLICE**

TYPE I LOOP

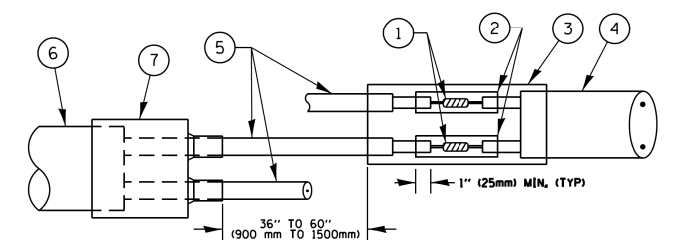
LOOP LEAD-IN CABLE TAG



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



**DETAIL "A"
LOOP-TO-LOOP SPLICE**



**DETAIL "B"
LOOP-TO-CONTROLLER SPLICE**

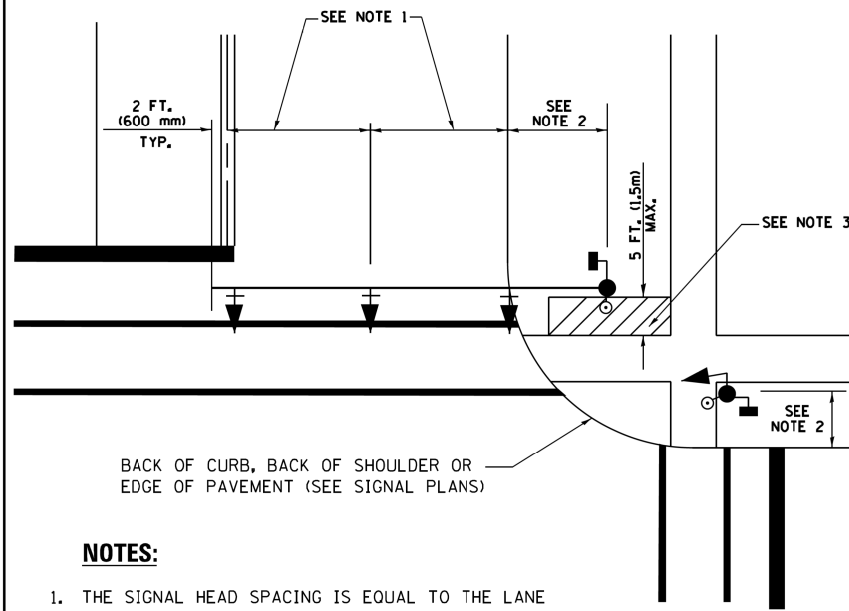
LOOP DETECTOR SPLICE

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

TS SHT NO. 2

FILE NAME =	USER NAME = plascencia	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	PL 43 at 46th-47th St\DCN\TSE\example01-sht-ts	DRAWN -	REVISED -		SCALE: NONE	SHEET 2	OF 7 SHEETS	STA.	TO STA.	348	2424-N	COOK	89	53
	PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -		TS-05				CONTRACT NO. 60V42					
	PLOT DATE = 11/2/2016	DATE -	REVISED -		ILLINOIS FED. AID PROJECT									

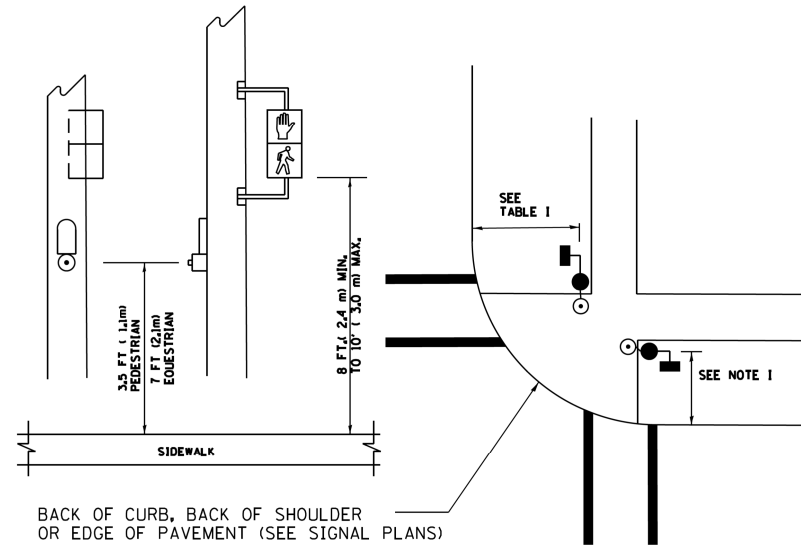
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.**



NOTES:

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

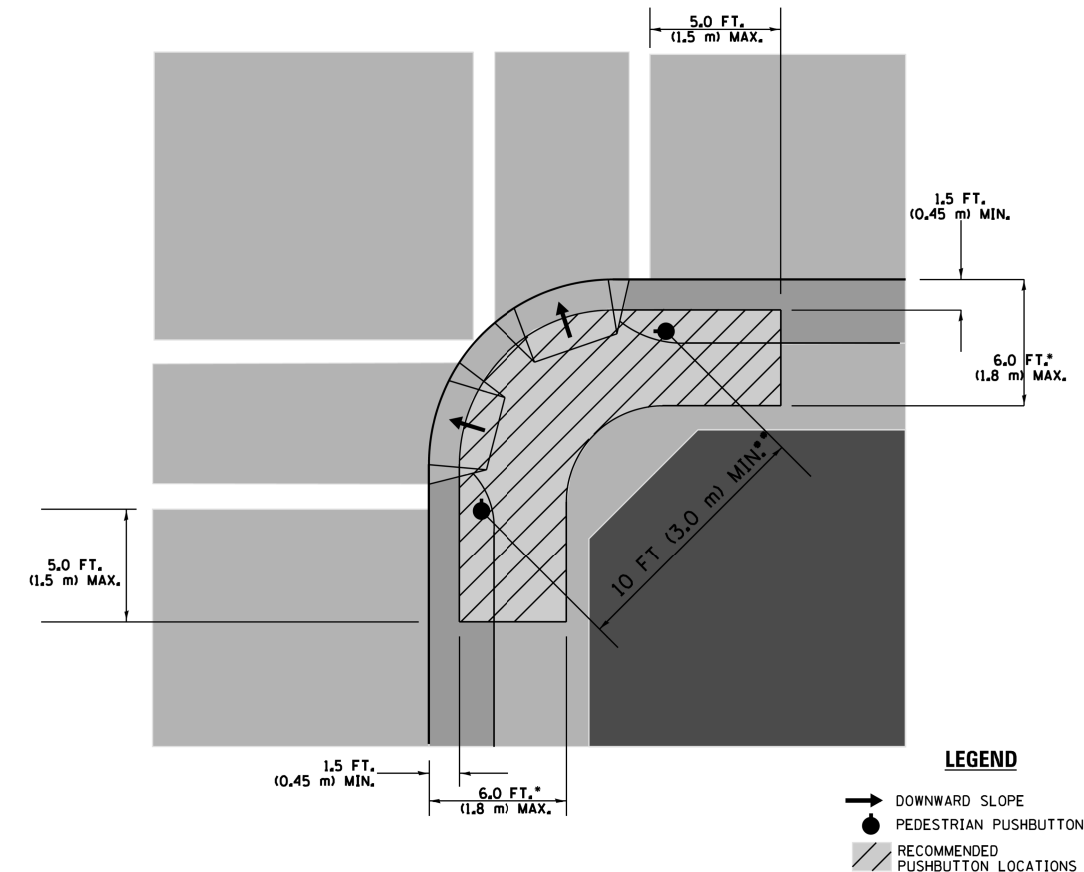
**PEDESTRIAN SIGNAL POST
AND
PEDESTRIAN PUSH BUTTON POST**



NOTES:

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

RECOMMENDED PUSHBUTTON LOCATIONS



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

NOTES:

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

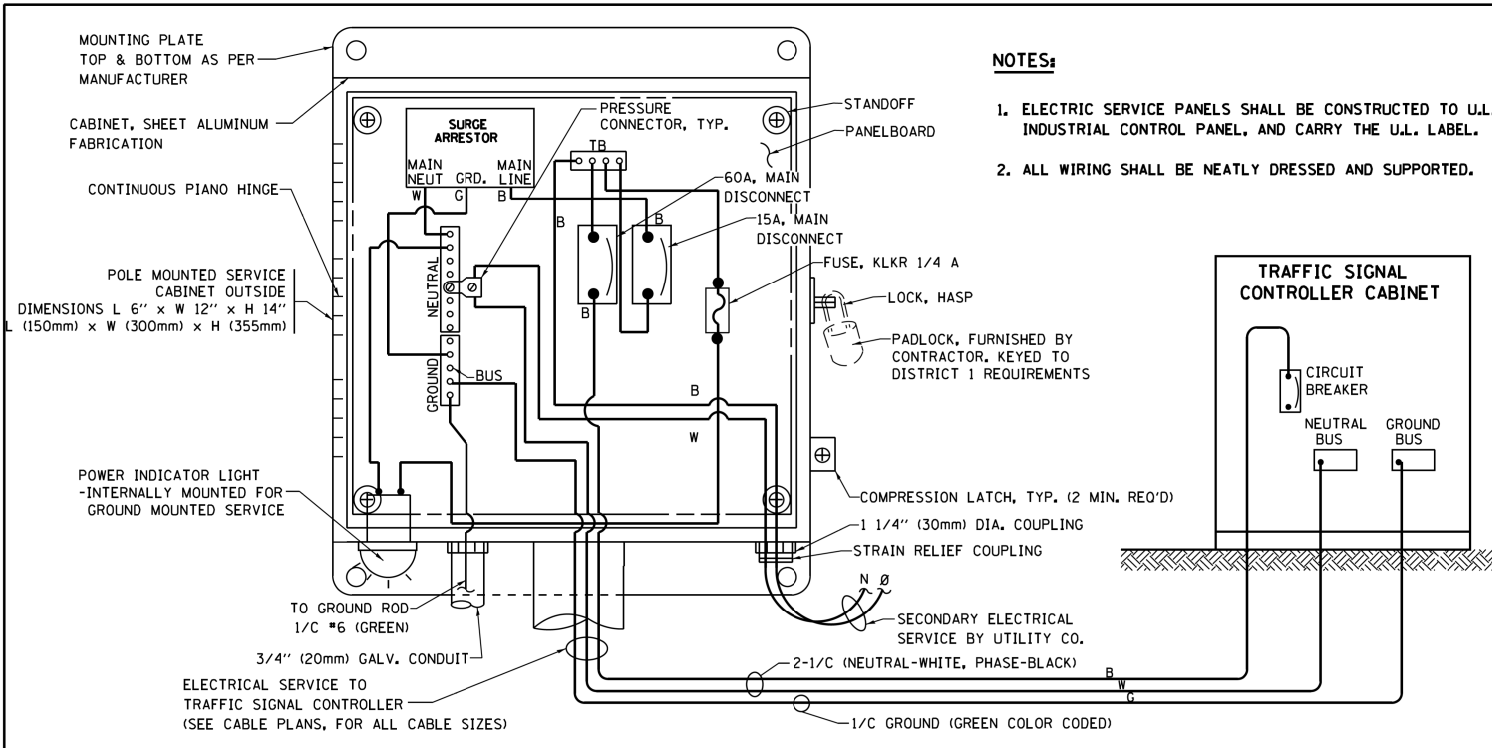
TRAFFIC SIGNAL EQUIPMENT OFFSET

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

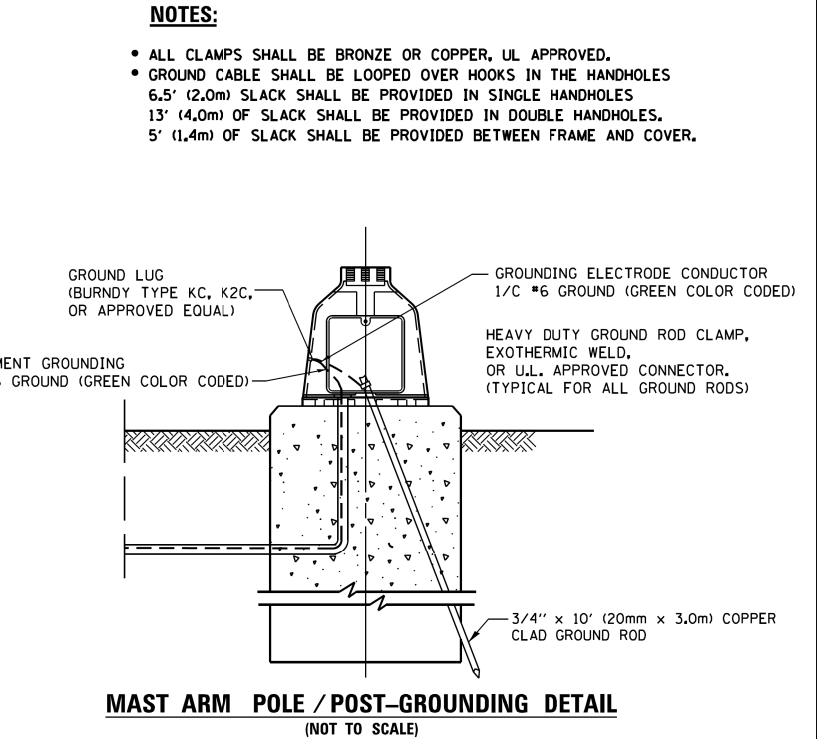
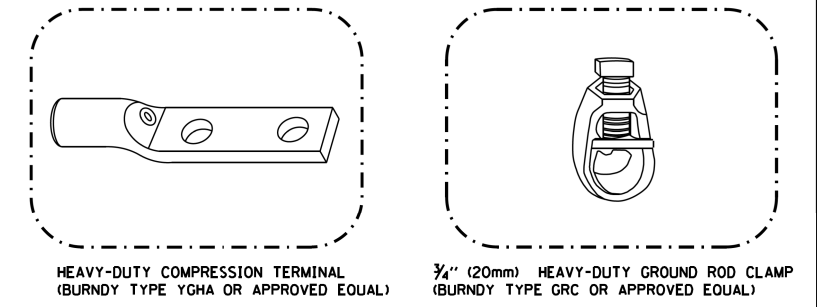
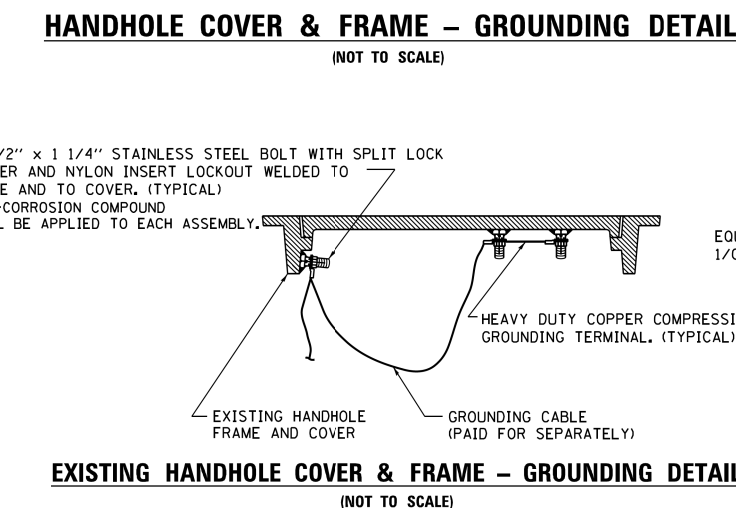
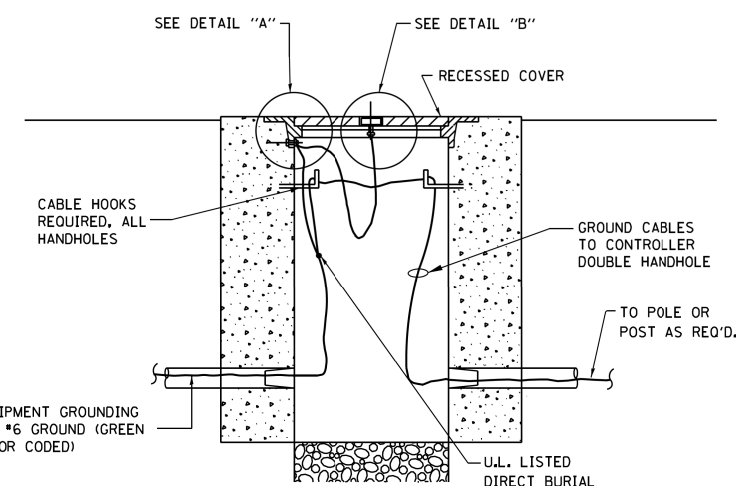
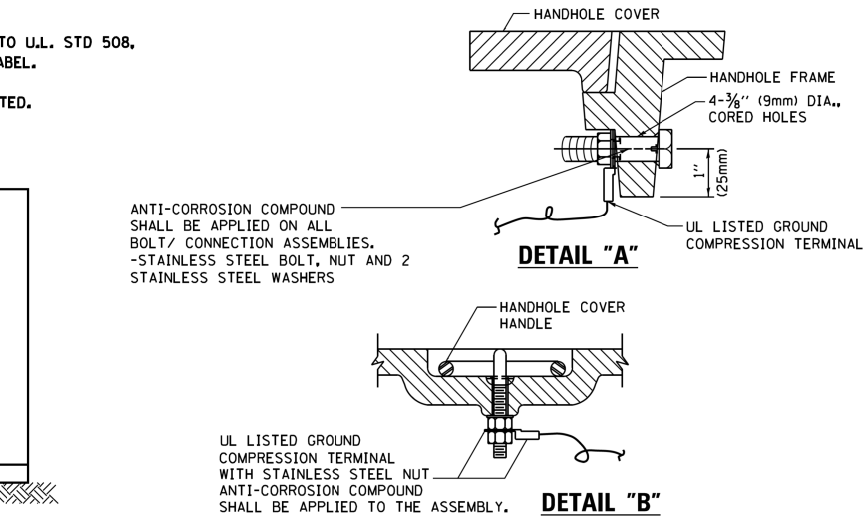
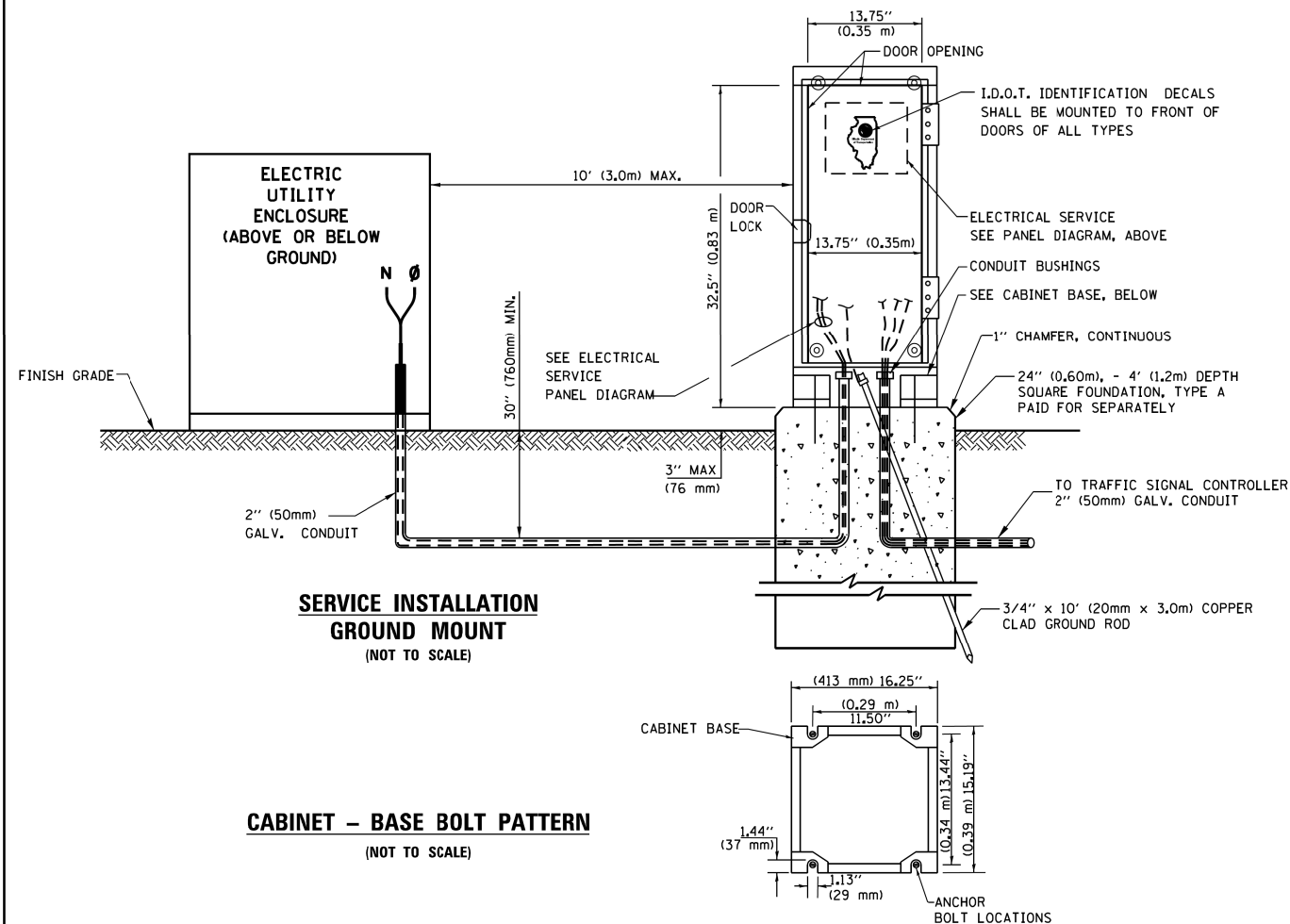
NOTES:

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

TS SHT NO. 3



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

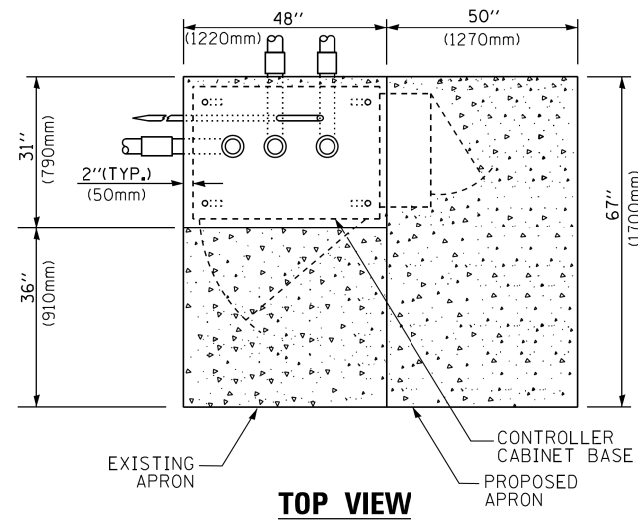


- NOTES:**
- GROUNDING SYSTEM**
1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED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

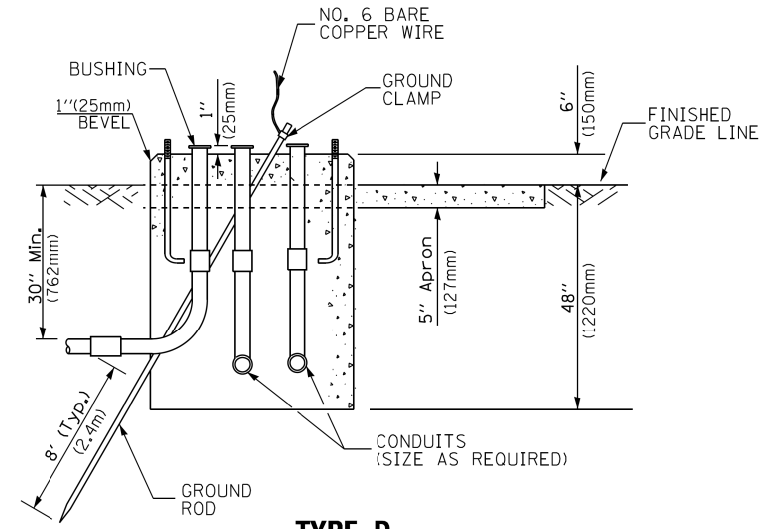
- NOTES:**
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
 - GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.

TS SHT NO. 4

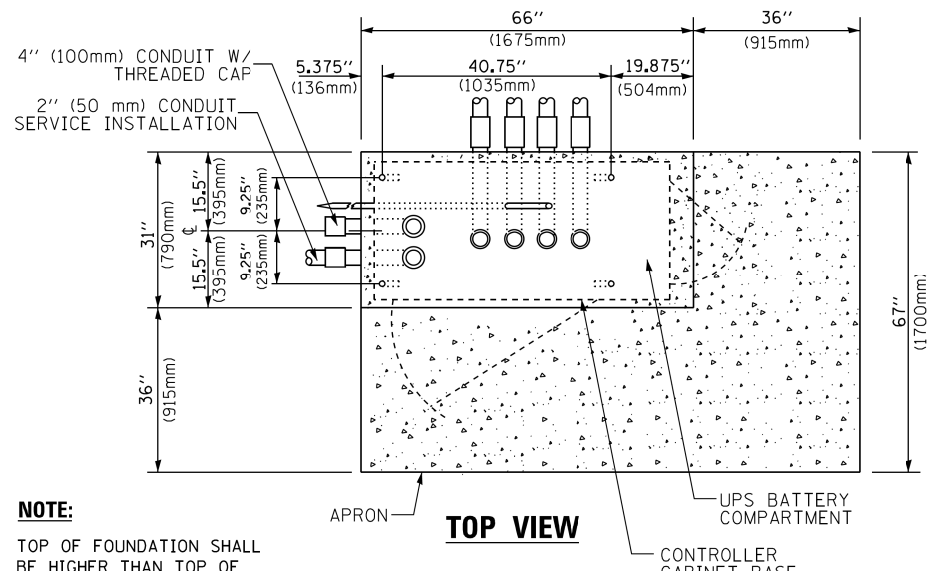
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Default	PL 43 at 46th-47th St.DGN\TSE\example01-sht-ts	DRAWN -	REVISED -			348	2424-N	COOK	89	55	
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	PLOT DATE = 11/2/2016	DATE -	REVISED -			SCALE: NONE	SHEET 4 OF 7 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT		



TOP VIEW

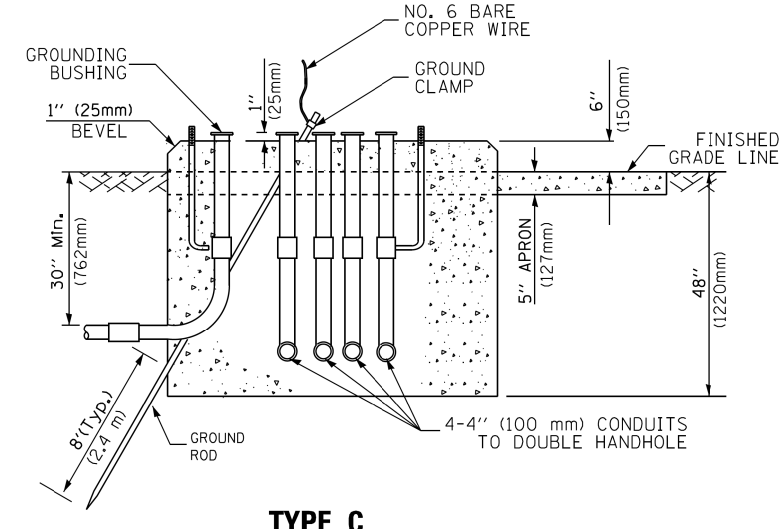


**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**

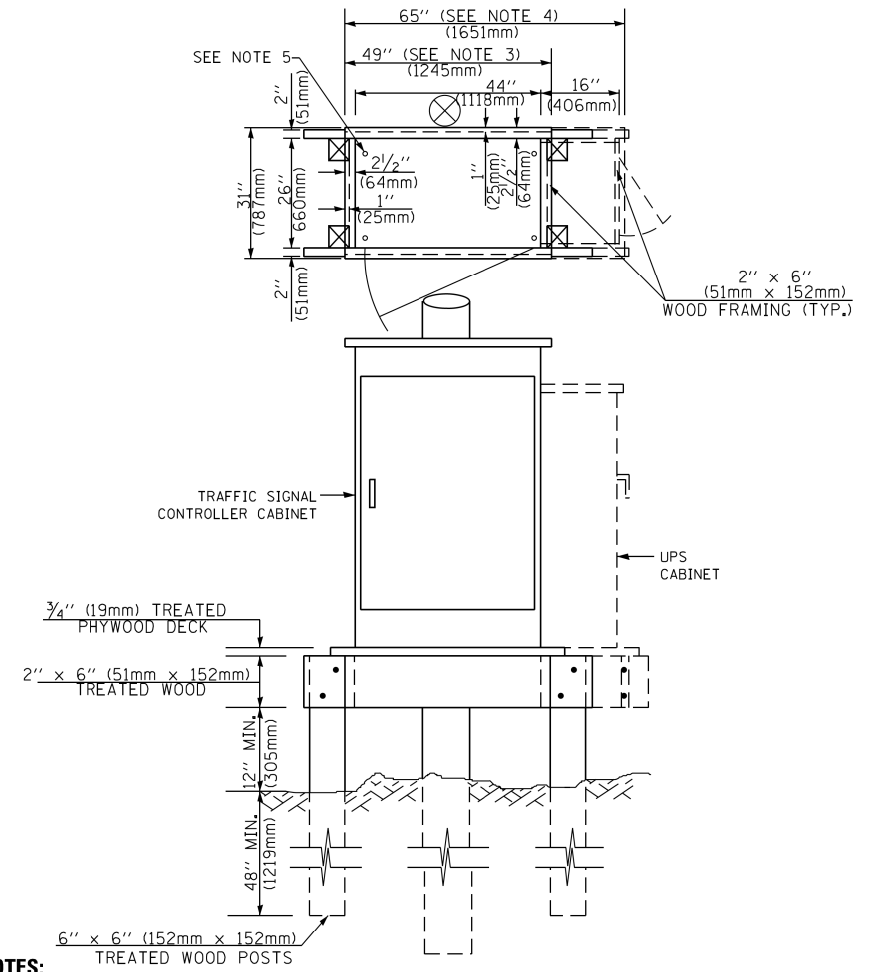


TOP VIEW

NOTE:
TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE



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



NOTES:

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

**TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM**

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

CABLE SLACK

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

VERTICAL CABLE LENGTH

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

DEPTH OF FOUNDATION

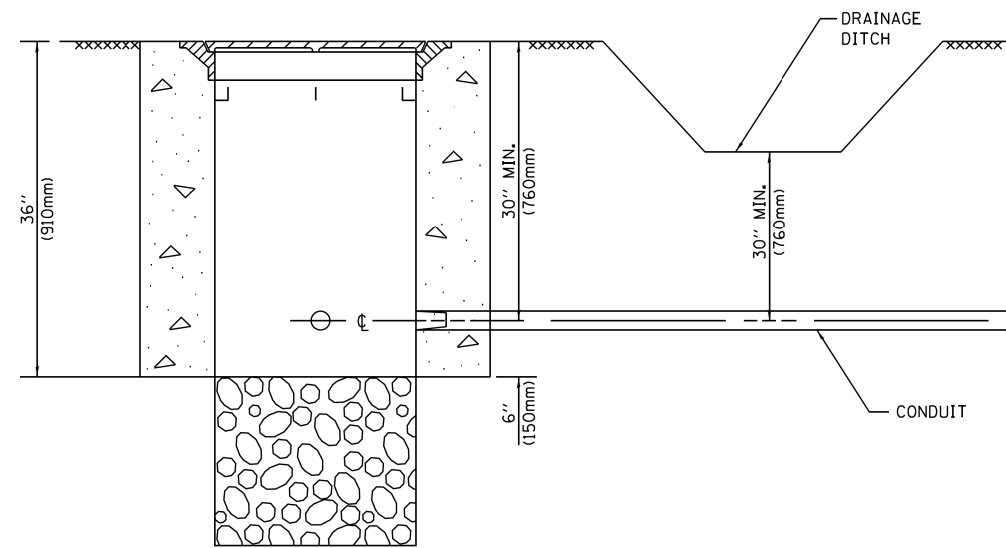
MAST ARM LENGTH	FOUNDATION DEPTH	FOUNDATION DIAMETER	SPIRAL DIAMETER	QUANTITY OF REBARS	SIZE OF REBARS
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal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

NOTES:

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

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

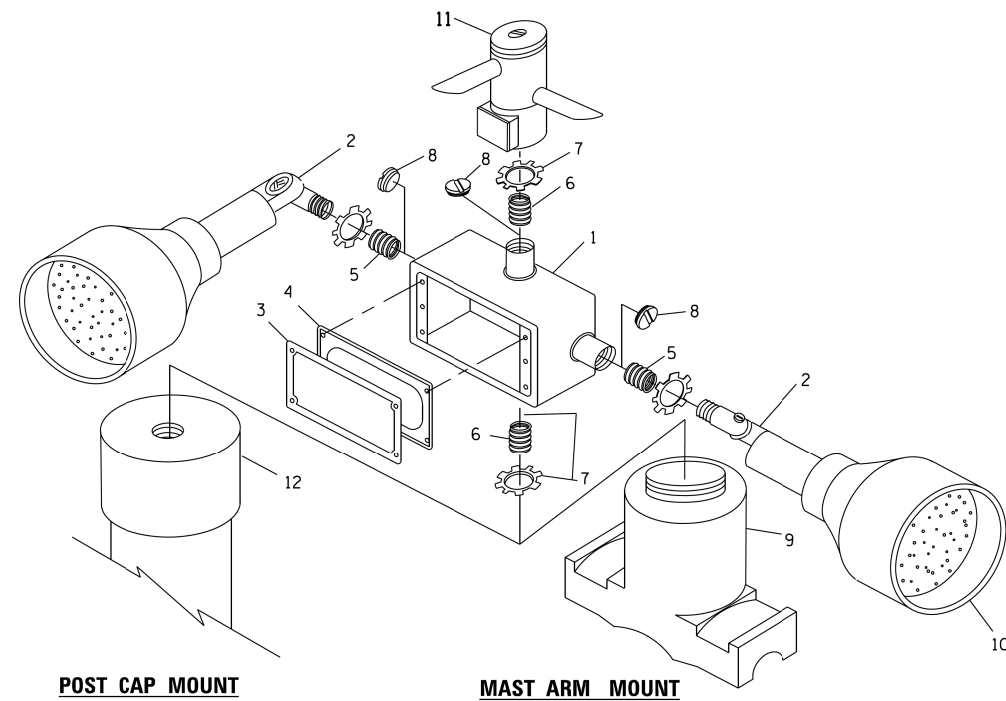
TS SHT NO. 5



NOTES:

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

HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)

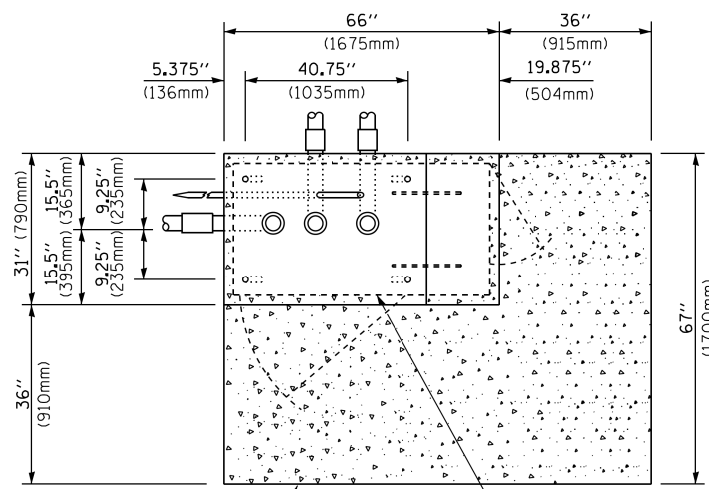


EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

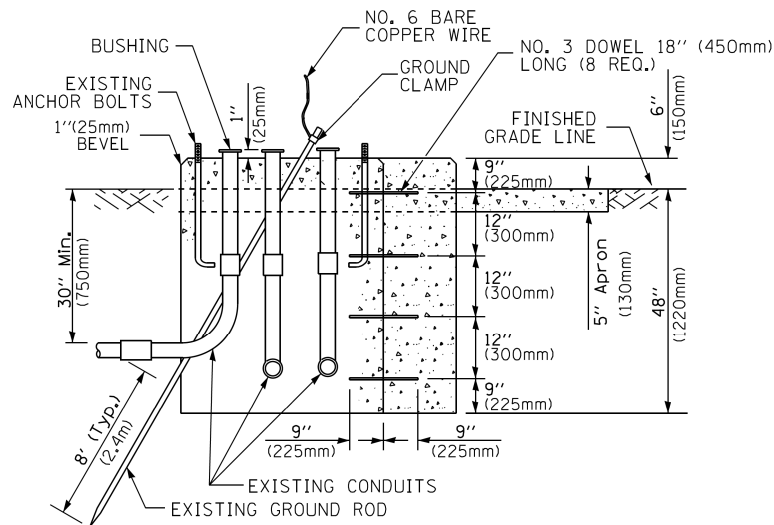
ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0,000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4"(19 mm) CLOSE NIPPLE
7	3/4"(19 mm) LOCKNUT
8	3/4"(19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT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

NOTES:

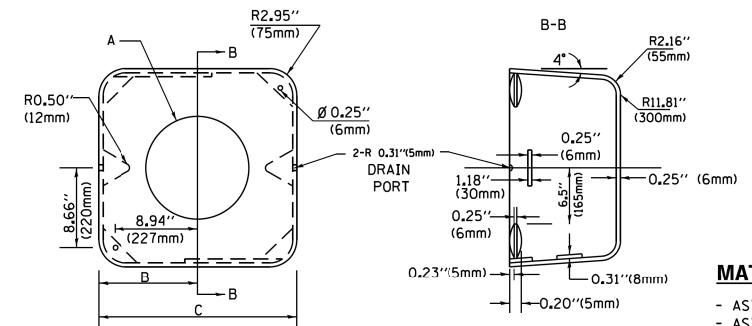
1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE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



TOP VIEW
(NOT TO SCALE)



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



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

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

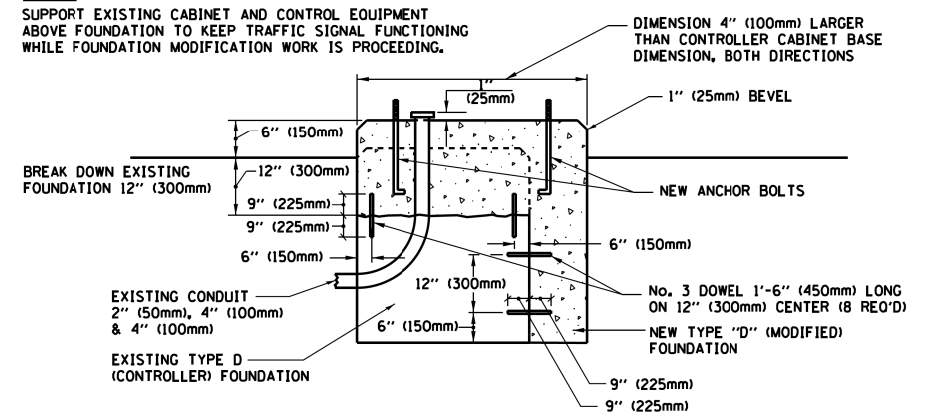
SHROUD

NOTES:

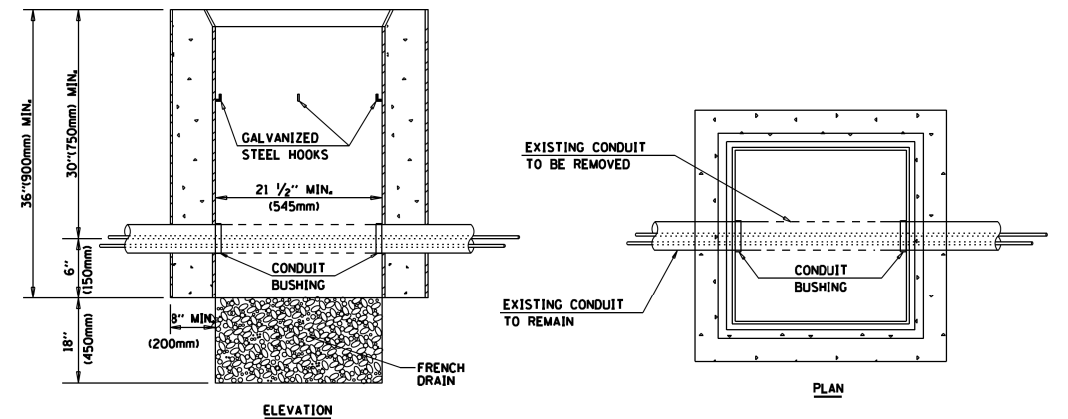
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE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

NOTE:

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



MODIFY EXISTING TYPE "D" FOUNDATION



NOTES:

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

HANDHOLE TO INTERCEPT EXISTING CONDUIT

TS SHT NO. 6

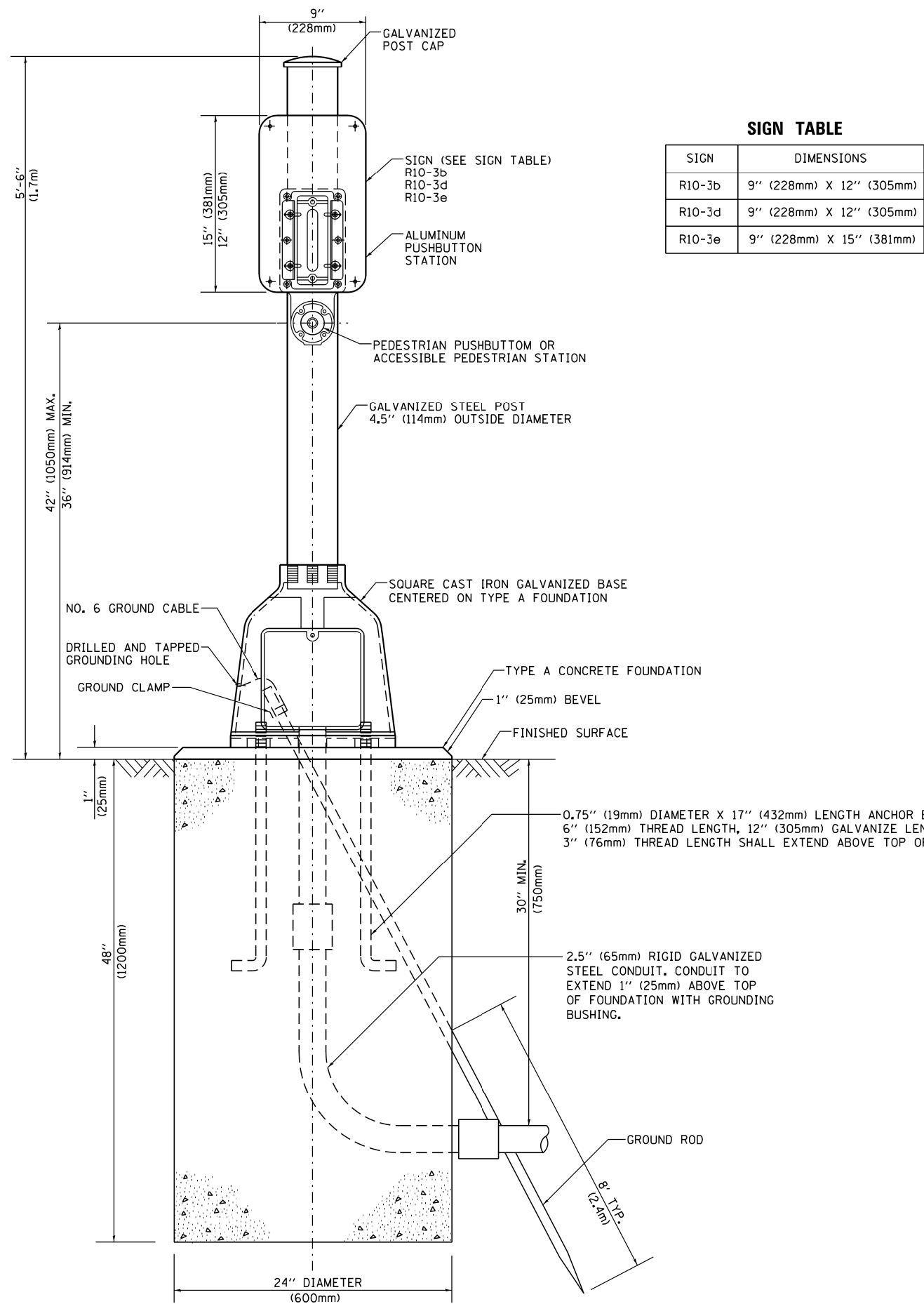
FILE NAME =	USER NAME = plascencia	DESIGNED -	REVISED -
S:\WP\Design\Iovan\InHouse_Design\60V42	IL 43 at 46th-47th St\DCN\TSE\example01-sht-ts	DRAWN -	REVISED -
Default	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -
	PLOT DATE = 11/2/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

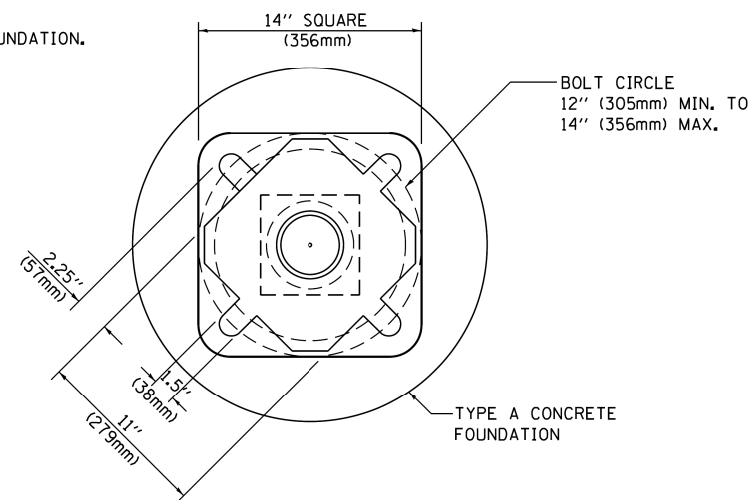
SCALE: NONE SHEET 6 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2424-N	COOK	89	57
TS-05		CONTRACT NO. 60V42		
ILLINOIS FED. AID PROJECT				



SIGN TABLE

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



BOLT PATTERN

PEDESTRIAN PUSH BUTTON POST, TYPE A

FILE NAME =	USER NAME = plascencia	DESIGNED -	REVISED -
S:\WP\Design\Iover\InHouse_Design\60V42	IL 43 at 46th-47th St\DCN\TSE\example01-sht-ts	DRAWN -	REVISED -
Default	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -
	PLOT DATE = 11/2/2016	DATE -	REVISED -

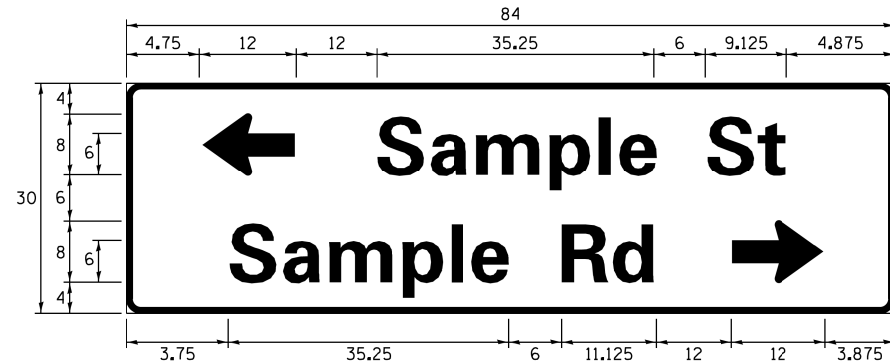
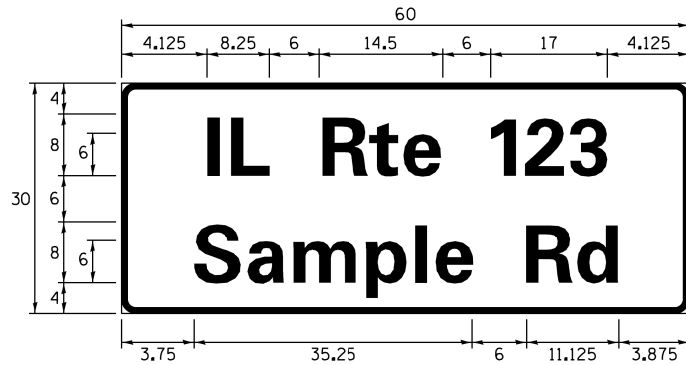
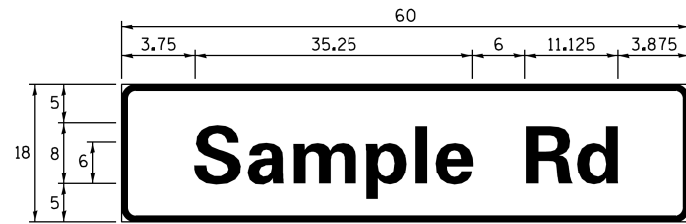
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 7 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2424-N	COOK	89	58
TS-05			CONTRACT NO. 60V42	
ILLINOIS FED. AID PROJECT				

SIGN PANEL – TYPE 1 OR TYPE 2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D OR C	-	1 OR 2	ZZ	-

ALL DIMENSIONS ARE IN INCHES EXCEPT NOTED OTHERWISE

COMMON STREET NAME ABBREVIATIONS AND WIDTHS

NAME	ABBREVIATION	WIDTH (INCH)	
		SERIES "C"	SERIES "D"
AVENUE	Ave	15.000	18.250
BOULEVARD	Blvd	17.125	20.000
CIRCLE	Cir	11.125	13.000
COURT	Ct	8.250	9.625
DRIVE	Dr	8.625	10.125
HIGHWAY	Hwy	18.375	22.000
ILLINOIS	IL	7.000	8.250
LANE	Ln	9.125	10.750
PARKWAY	Pkwy	23.375	27.375
PLACE	Pl	7.125	7.750
ROAD	Rd	9.625	11.125
ROUTE	Rte	12.625	14.500
STREET	St	8.000	9.125
TERRACE	Ter	12.625	14.625
TRAIL	Tr	7.750	9.125
UNITED STATES	US	10.375	12.250

GENERAL NOTES

- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
- ALL SIGNS SHALL CONSIST OF A WHITE LEGEND AND BORDER (TYPE ZZ SHEETING) ON A GREEN BACKGROUND (TYPE ZZ SHEETING)
- THE SIGN LENGTH SHALL BE IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHALL NOT EXCEED 8'-0". ALL BORDERS SHALL BE 3/4" WIDE. CORNER RADIUS SHALL BE 1-7/8". THE SPACING BETWEEN THE WORDS SHOULD BE 6", IF POSSIBLE, BUT MAY BE REDUCED TO 5" WHEN SPACING IS CRITICAL. A MINIMUM OF 2-1/2" SHALL BE INCLUDED BETWEEN THE WORD AND THE RIGHT AND LEFT EDGES OF THE SIGN.
- A PREFERRED METHOD FOR THE SIGN DESIGN IS TO USE SERIES "D" LETTER ON A ONE-LINE SIGN 18" IN HEIGHT AND A MAXIMUM OF 8'-0" IN WIDTH. IF SERIES "D" DOES NOT FIT ON A 8'-0" SIGN, THEN SERIES "C" SHOULD BE TRIED. IF SERIES "C" DOES NOT FIT ON A 8'-0" SIGN, A 30" HIGH TWO-LINE SIGN CAN BE USED. THE CROSSROAD DESIGNATION AS TO STREET, AVENUE, ETC. SHOULD BE SPELLED OUT ON THE SECOND LINE, IF THE ABBREVIATION CANNOT FIT ON THE FIRST LINE.
- LED ILLUMINATED STREET NAME SIGNS CAN BE USED IN PLACE OF REGULAR SIGN PANELS BUT ANY SPECIAL WORDING AND SYMBOLGY MUST BE APPROVED BY THE DEPARTMENT. GENERAL DESIGN REQUIREMENT AS LISTED ABOVE (COLOR, FONT, SIZE, ETC.) MUST BE FOLLOWED.
- SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS.

LOCAL SUPPLIERS:

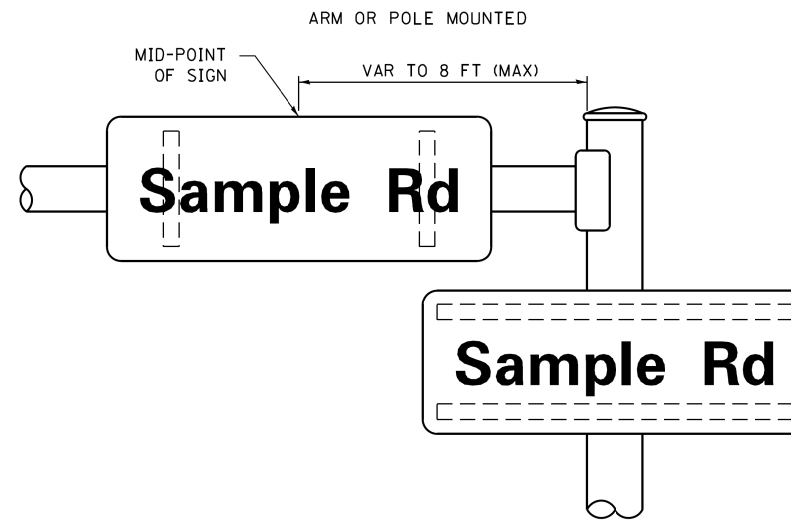
- J.O. HERBERT COMPANY, INC
MIDLOTHIAN, VA
- WESTERN REMAC, INC.
WOODRIDGE, IL

PARTS LISTING:

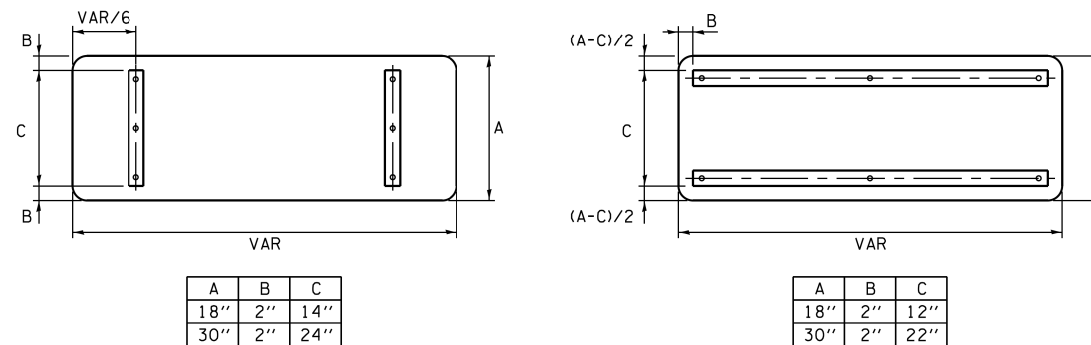
- SIGN CHANNEL PART #HPN053 (MED. CHANNEL)
1/4" x 14 x 1" H.W.H. #3
SELF TAPPING WITH NEOPRENE WASHER
- SIGN SCREWS PART #HPN034 (UNIVERSAL)
CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING
- BRACKETS

OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BACKET OF THE ABOVE PRODUCT.

MOUNTING LOCATION



SUPPORTING CHANNELS



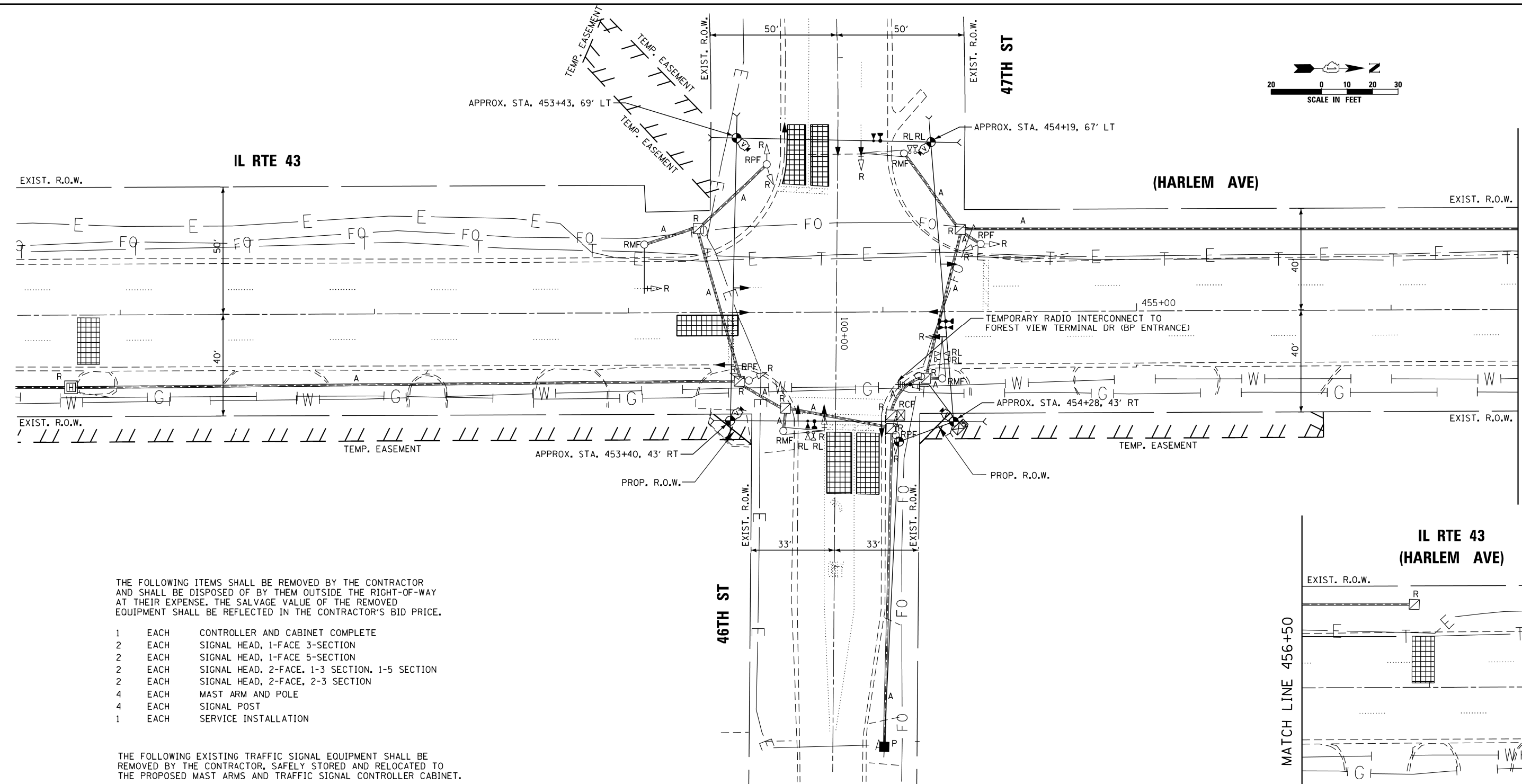
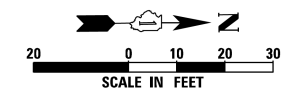
STANDARD ALPHABETS SPACING CHART

(8") UPPER CASE AND (6") LOWER CASE

FHWA SERIES "C"				FHWA SERIES "D"			
CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)	CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)
A	0.240	5.122	0.240	A	0.240	6.804	0.240
B	0.880	4.482	0.480	B	0.960	5.446	0.400
C	0.720	4.482	0.720	C	0.800	5.446	0.800
D	0.880	4.482	0.720	D	0.960	5.446	0.800
E	0.880	4.082	0.480	E	0.960	4.962	0.400
F	0.880	4.082	0.240	F	0.960	4.962	0.240
G	0.720	4.482	0.720	G	0.800	5.446	0.800
H	0.880	4.482	0.880	H	0.960	5.446	0.960
I	0.880	1.120	0.880	I	0.960	1.280	0.960
J	0.240	4.082	0.880	J	0.240	5.122	0.960
K	0.880	4.482	0.480	K	0.960	5.604	0.400
L	0.880	4.082	0.240	L	0.960	4.962	0.240
M	0.880	5.284	0.880	M	0.960	6.244	0.960
N	0.880	4.482	0.880	N	0.960	5.446	0.960
O	0.720	4.722	0.720	O	0.800	5.684	0.800
P	0.880	4.482	0.720	P	0.960	5.446	0.240
Q	0.720	4.722	0.720	Q	0.800	5.684	0.800
R	0.880	4.482	0.480	R	0.960	5.446	0.400
S	0.480	4.482	0.480	S	0.400	5.446	0.400
T	0.240	4.082	0.240	T	0.240	4.962	0.240
U	0.880	4.482	0.880	U	0.960	5.446	0.960
V	0.240	4.952	0.240	V	0.240	6.084	0.240
W	0.240	6.084	0.240	W	0.240	7.124	0.240
X	0.240	4.722	0.240	X	0.400	5.446	0.400
Y	0.240	5.122	0.240	Y	0.240	6.884	0.240
Z	0.480	4.482	0.480	Z	0.400	5.446	0.400
a	0.320	3.842	0.640	a	0.400	4.562	0.720
b	0.720	4.082	0.480	b	0.800	4.802	0.480
c	0.480	4.002	0.240	c	0.480	4.722	0.240
d	0.480	4.082	0.720	d	0.480	4.802	0.800
e	0.480	4.082	0.320	e	0.480	4.722	0.320
f	0.320	2.480	0.160	f	0.320	2.882	0.160
g	0.480	4.082	0.720	g	0.480	4.802	0.800
h	0.720	4.082	0.640	h	0.800	4.722	0.720
i	0.720	1.120	0.720	i	0.800	1.280	0.800
j	0.000	2.320	0.720	j	0.000	2.642	0.800
k	0.720	4.322	0.160	k	0.800	5.122	0.160
l	0.720	1.120	0.720	l	0.800	1.280	0.800
m	0.720	6.724	0.640	m	0.800	7.926	0.720
n	0.720	4.082	0.640	n	0.800	4.722	0.720
o	0.480	4.082	0.480	o	0.480	4.882	0.480
p	0.720	4.082	0.480	p	0.800	4.802	0.480
q	0.480	4.082	0.720	q	0.480	4.802	0.800
r	0.720	2.642	0.160	r	0.800	3.042	0.160
s	0.320	3.352	0.240	s	0.320	3.762	0.240
t	0.080	2.882	0.080	t	0.080	3.202	0.080
u	0.640	4.082	0.720	u	0.720	4.722	0.800
v	0.160	4.722	0.160	v	0.160	5.684	0.160
w	0.160	7.524	0.160	w	0.160	9.046	0.160
x	0.000	5.202	0.000	x	0.000	6.244	0.000
y	0.160	4.952	0.160	y	0.160	6.004	0.160
z	0.240	3.352	0.240	z	0.240	4.002	0.240
1	0.720	1.630	0.880	1	0.800	2.000	0.960
2	0.480	4.482	0.480	2	0.800	5.446	0.800
3	0.480	4.482	0.480	3	1.440	5.446	0.800
4	0.240	4.952	0.720	4	0.160	6.004	0.960
5	0.480	4.482	0.480	5	0.800	5.446	0.800
6	0.720	4.482	0.720	6	0.800	5.446	0.800
7	0.240	4.482	0.720	7	0.560	5.446	0.560
8	0.480	4.482	0.480	8	0.800	5.446	0.800
9	0.480	4.482	0.480	9	0.800	5.446	0.800
0	0.720	4.722	0.720	0	0.800	5.684	0.800
-	0.240	2.802	0.240	-	0.240	2.802	0.240

TS SHT NO. 8

FILE NAME =	USER NAME = plascencia	DESIGNED - LP/IP	REVISED - LP 07/01/2015	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	IL 43 at 46th-47th St\DCGN\TSE\example01-sht-ts	DRAWN - LP	REVISED -			348	2424-N	COOK	89	59	
	PLOT SCALE = 100.0000' / 1in.	CHECKED - IP	REVISED -			TS-02		CONTRACT NO. 60V42			
	PLOT DATE = 11/2/2016	DATE - 10/01/2014	REVISED -			SCALE:	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT		

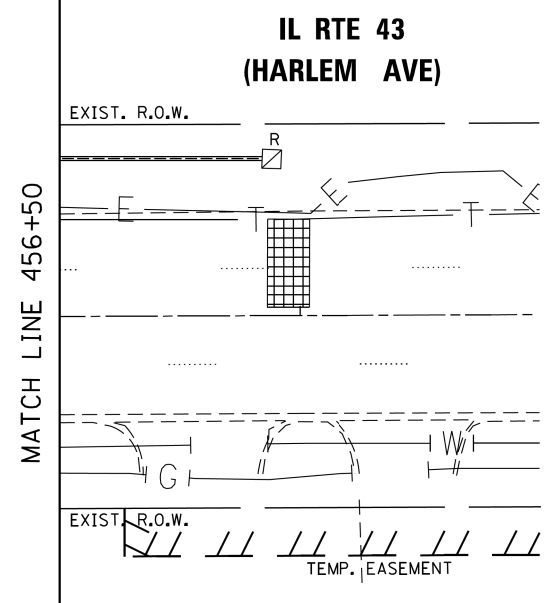


THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACTOR'S BID PRICE.

- 1 EACH CONTROLLER AND CABINET COMPLETE
- 2 EACH SIGNAL HEAD, 1-FACE 3-SECTION
- 2 EACH SIGNAL HEAD, 1-FACE 5-SECTION
- 2 EACH SIGNAL HEAD, 2-FACE, 1-3 SECTION, 1-5 SECTION
- 2 EACH SIGNAL HEAD, 2-FACE, 2-3 SECTION
- 4 EACH MAST ARM AND POLE
- 4 EACH SIGNAL POST
- 1 EACH SERVICE INSTALLATION

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED MAST ARMS AND TRAFFIC SIGNAL CONTROLLER CABINET.

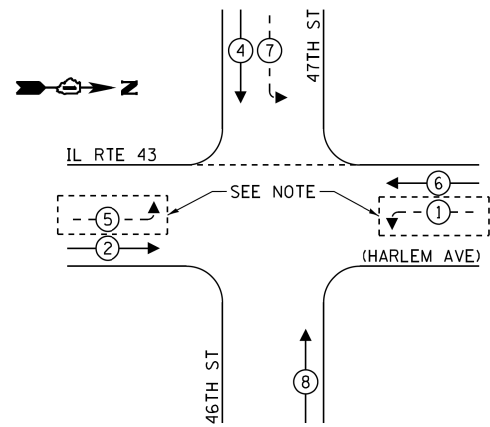
- 3 EACH CONFIRMATION BEACON
- 3 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER



**TS 2135
ECON 55**

FILE NAME =	USER NAME = plascencia	DESIGNED - VO	REVISED - IP 10/15/2016	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVAL PLAN IL RTE 43 (HARLEM AVE) AT 46TH ST /47TH ST	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	PLT SCALE = 40.0000' / in.	CHECKED - IY	REVISED -			348	2424-N	COOK	89	60	
	PLT DATE = 11/9/2016	DATE - 10/31/2014	REVISED -			CONTRACT NO. 60V42					
						ILLINOIS FED. AID PROJECT					

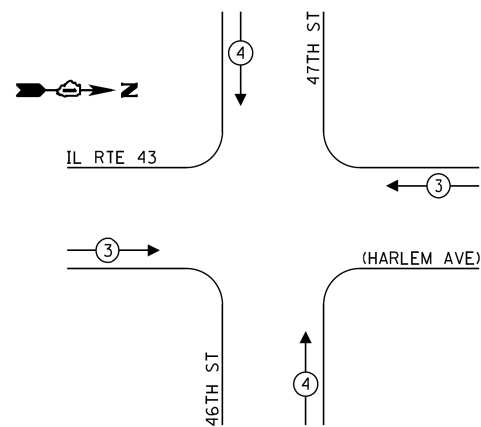
TEMPORARY CONTROLLER SEQUENCE



LEGEND:

- ← * → PROTECTED PHASE
- ← - * - → PROTECTED/PERMITTED PHASE
- ← * → PEDESTRIAN PHASE
- ← OL → OVERLAP

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
PERMISSIVE ARROW	12	10	10	12.0
PED. SIGNAL	-	20	100	-
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				429.8

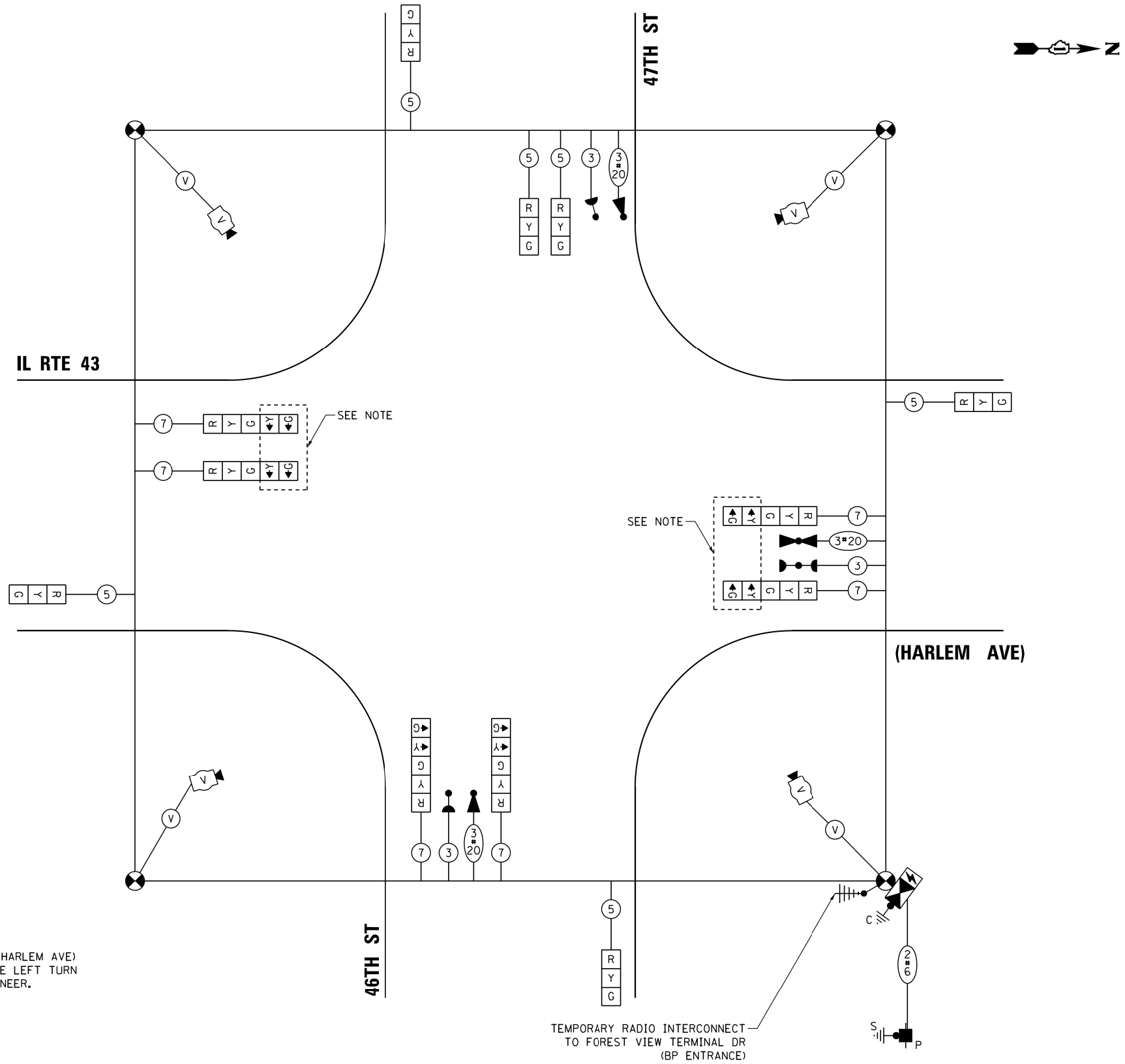
ENERGY COSTS TO:

VILLAGE OF FOREST VIEW
7000 W. 46TH ST
FOREST VIEW, IL 60402

ENERGY SUPPLY: CONTACT: FERNANDO FLORES
PHONE: (708) 410-5313
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---

NOTES:

- THE LEFT TURN INDICATIONS ON IL RTE 43 (HARLEM AVE) SHALL BE BAGGED AND DISCONNECTED UNTIL THE LEFT TURN LANES ARE OPEN OR AS DIRECTED BY THE ENGINEER.



TEMPORARY CABLE PLAN
(NOT TO SCALE)

TS 2135
ECON 55

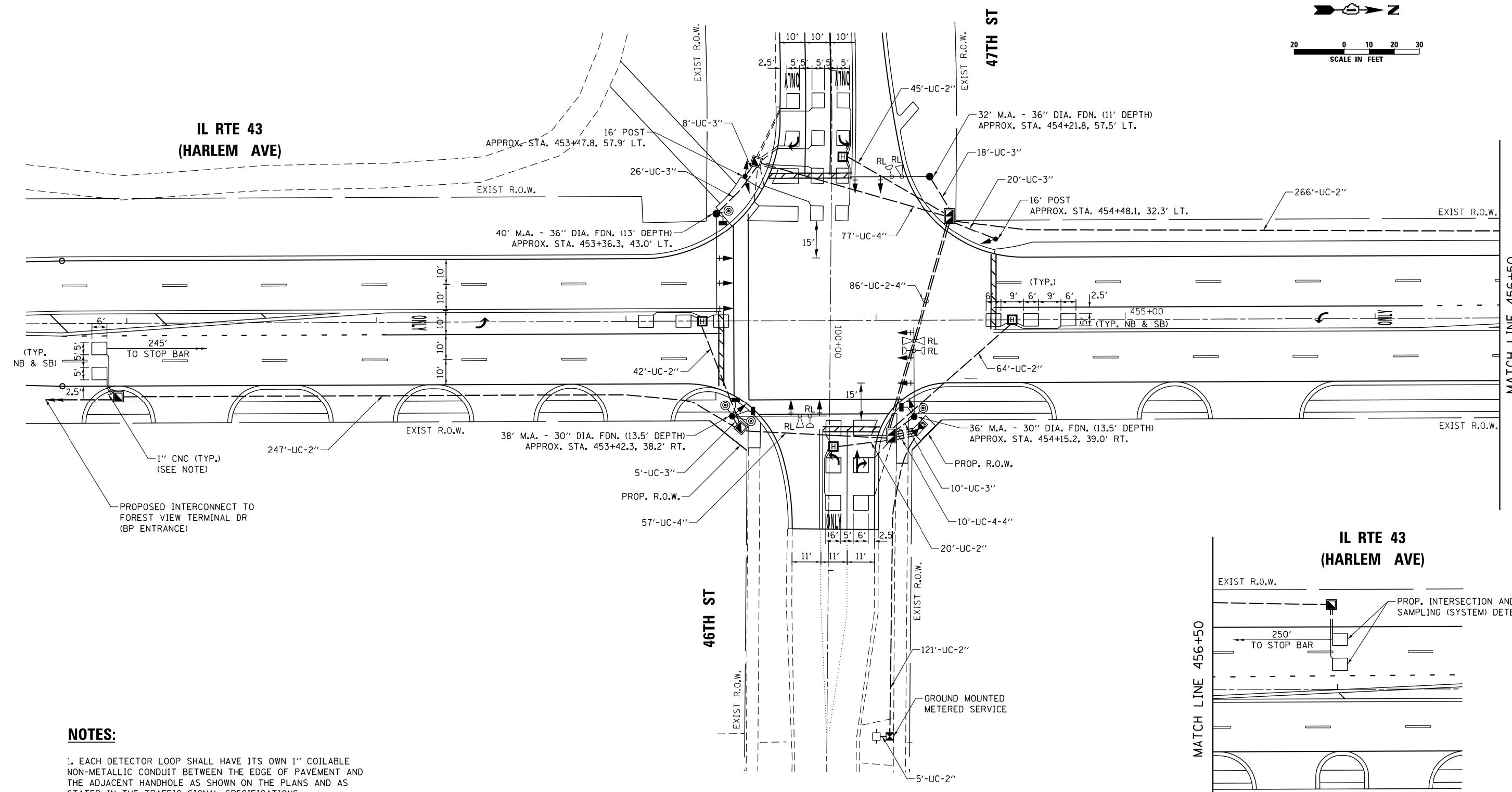
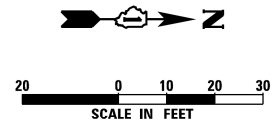
FILE NAME =	USER NAME = plascencia	DESIGNED - IP	REVISED -
S:\WP\Design\Iovan\InHouse_Design\60V42	IL 43 at 46th-47th St\DCN\160V42-sht-02-Temp	DRAWN Plan.dgn IP	REVISED -
Default	PLOT SCALE = 40.0000' / in.	CHECKED - LP	REVISED -
	PLOT DATE = 11/9/2016	DATE - 10/15/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

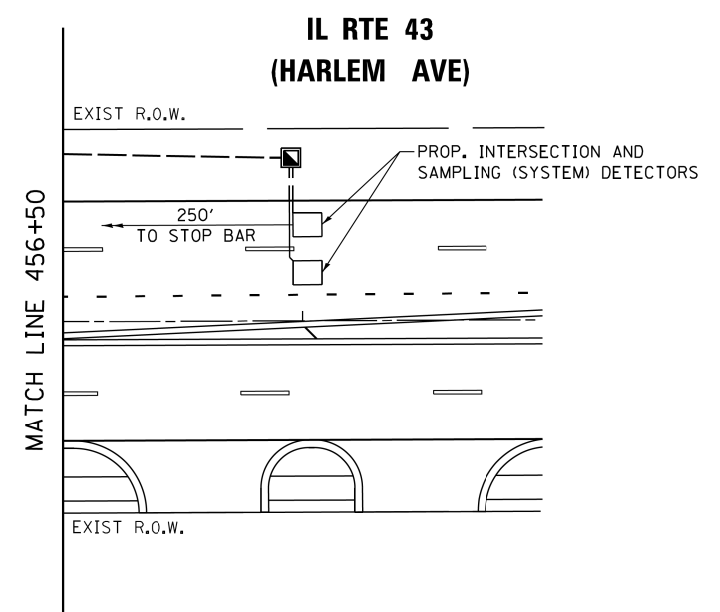
TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM,
AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL RTE 43 (HARLEM AVE) AND 46TH ST /47TH ST

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2424-N	COOK	89	61
CONTRACT NO. 60V42				
ILLINOIS FED. AID PROJECT				



MATCH LINE 456+50

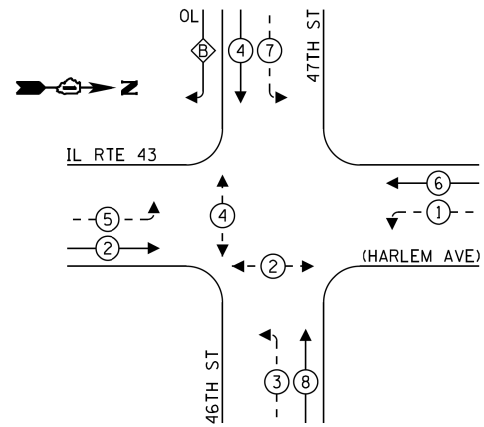


NOTES:
 1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.

**TS 2135
 ECON 55**

FILE NAME =	USER NAME = plascencia	DESIGNED - IP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODERNIZATION PLAN IL RTE 43 (HARLEM AVE) AT 46TH ST / 47TH ST	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
S:\WP\Design\Iover\InHouse_Design\60V42	IL 43 at 46th-47th St\DCN\160V42-shr-03-Mo	DRAWN	REVISED -			348	2424-N	COOK	89	62	
Default	PLOT SCALE = 40.0000' / in.	CHECKED - LP	REVISED -			CONTRACT NO. 60V42					
	PLOT DATE = 11/10/2016	DATE - 10/15/2016	REVISED -			ILLINOIS FED. AID PROJECT					

PROPOSED CONTROLLER SEQUENCE



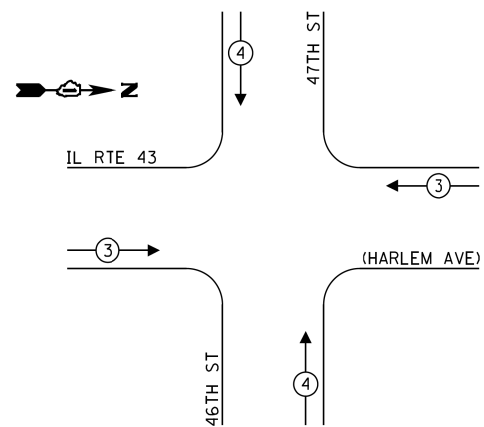
LEGEND:

- ← * → PROTECTED PHASE
- ← * - - PROTECTED/PERMITTED PHASE
- ← * → PEDESTRIAN PHASE
- ← * OL → OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER = PERMISSIVE PHASE + PROTECTED PHASE
 B = 4 + 5

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	15	11	50	82.5
(YELLOW)	15	20	5	15.0
(GREEN)	15	12	45	81.0
PERMISSIVE ARROW	20	10	10	20.0
PED. SIGNAL	4	20	100	80.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				403.5

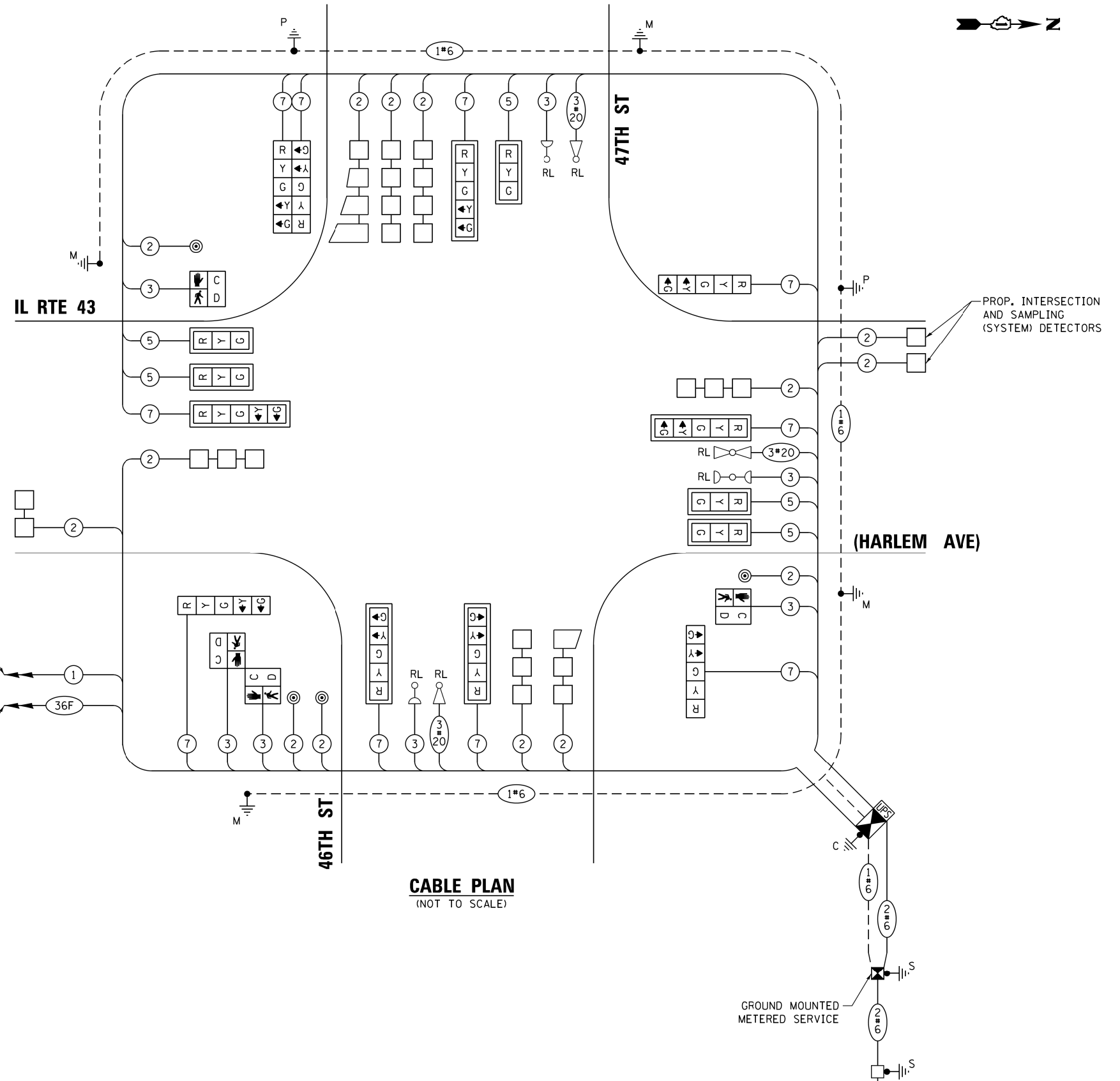
ENERGY COSTS TO:

VILLAGE OF FOREST VIEW
 7000 W. 46TH ST
 FOREST VIEW, IL 60402

ENERGY SUPPLY: CONTACT: FERNANDO FLORES
 PHONE: (708) 410-5313
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER: ---

FILE NAME =	USER NAME = pascencia	DESIGNED - IP	REVISED -
S:\WP\Design\Iover\InHouse_Design\60V42	IL 43 at 46th-47th St.DGN\160V42-shr-04-Mo	DRAWN - LP	REVISED -
Default	PLOT SCALE = 40.0000' / in.	CHECKED - LP	REVISED -
	PLOT DATE = 11/10/2016	DATE - 10/15/2016	REVISED -

PROPOSED TRACER CABLE
 PROPOSED INTERCONNECT TO FOREST VIEW TERMINAL DR (BP ENTRANCE)



CABLE PLAN
(NOT TO SCALE)

TS 2135
ECON 55

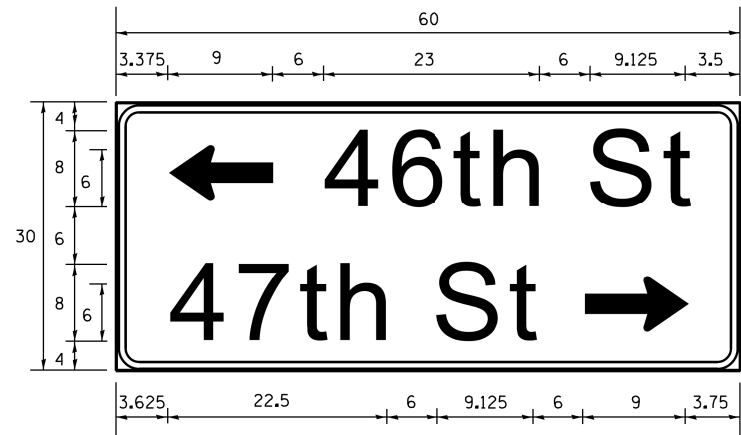
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE IL RTE 43 (HARLEM AVE) AT 46TH ST / 47TH ST		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
				348	2424-N	COOK	89	63
SCALE: SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 60V42				
				ILLINOIS FED. AID PROJECT				

SIGN PANEL – TYPE 1 OR TYPE 2

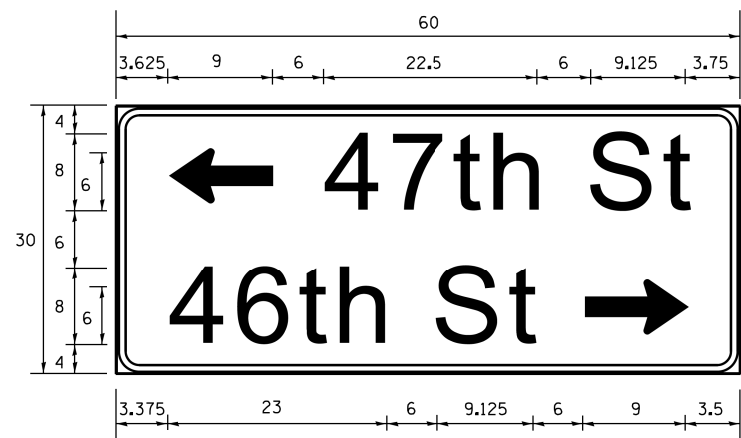
ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	13.75	2	ZZ	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	12.5	2	ZZ	1



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	12.5	2	ZZ	1

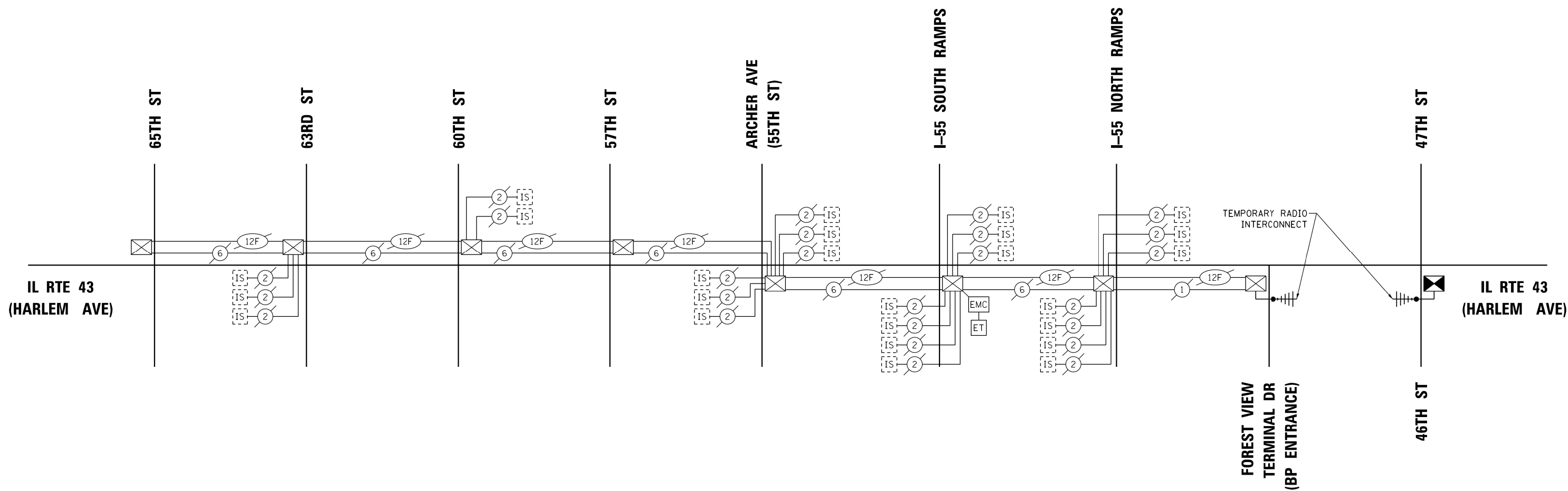
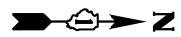
SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
SIGN PANEL - TYPE 2	SQ FT	52.5
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	810
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	87
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	346
HANDHOLE	EACH	4
HEAVY-DUTY HANDHOLE	EACH	4
DOUBLE HANDHOLE	EACH	2
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	520
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	960
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	930
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,720
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2,100
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	180
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	740
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	12
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	27
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	24
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	5
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	5
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	5
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	10
INDUCTIVE LOOP DETECTOR	EACH	10
DETECTOR LOOP, TYPE I	FOOT	900
PEDESTRIAN PUSH-BUTTON	EACH	4
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
* RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	3
* RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	9
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
* EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	425
FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1
SERVICE INSTALLATION - GROUND MOUNTED, METERED	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

* 100% COST TO THE VILLAGE OF FOREST VIEW

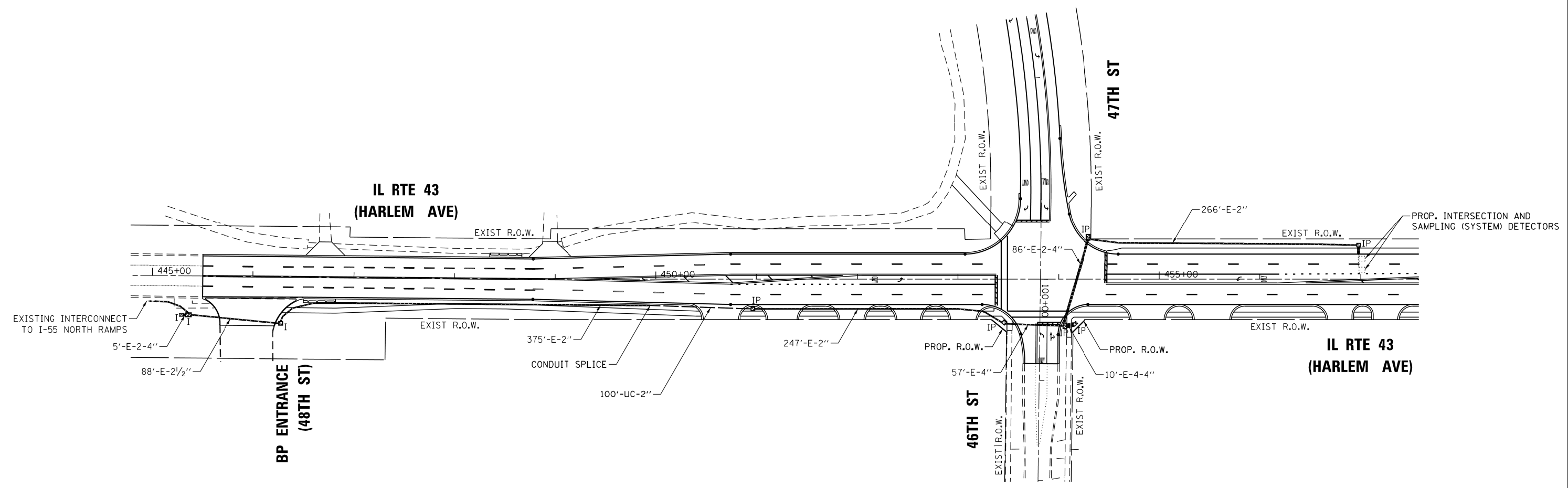
**TS 2135
ECON 55**

FILE NAME =	USER NAME = plascencia	DESIGNED - IP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAST ARM MOUNTED STREET NAME SIGNS AND SCHEDULE OF QUANTITIES IL RTE 43 (HARLEM AVE) AT 46TH ST /47TH ST	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
S:\WP\Design\Iovan\InHouse_Design\60V42	IL 43 at 46th-47th St.DGN\DI60V42-shr-05-Mast Arm Detector Loops.dgn	DRAWN	REVISED -			348	2424-N	COOK	89	64	
Default	PLOT SCALE = 48.0000' / in.	CHECKED - LP	REVISED -			CONTRACT NO. 60V42					
	PLOT DATE = 11/10/2016	DATE - 10/15/2016	REVISED -			ILLINOIS FED. AID PROJECT					



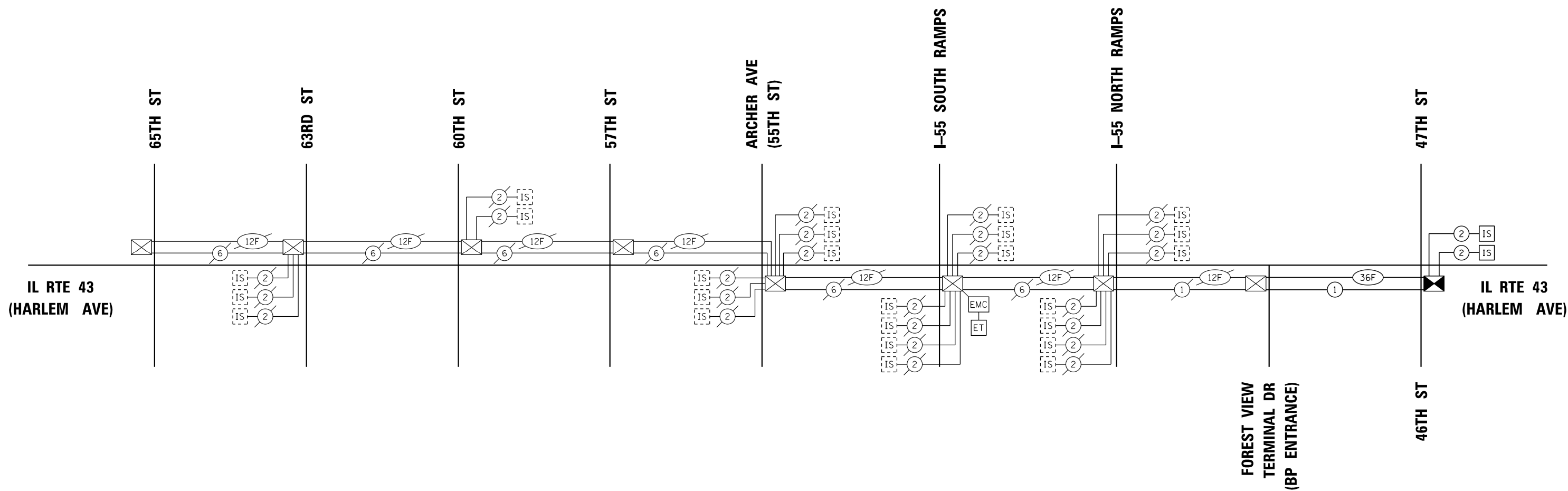
ECON 55

FILE NAME = S:\WP\Design\Iover\InHouse_Design\60V42	USER NAME = plascencia	DESIGNED - IP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY INTERCONNECT SCHEMATIC IL RTE 43 (HARLEM AVE) - 65TH ST TO 46TH ST /47TH ST			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLT SCALE = 100.0000' / 1in.	CHECKED - LP	REVISED -					348	2424-N	COOK	89	65
Default	PLT DATE = 11/2/2016	DATE - 10/15/2016	REVISED -	SCALE: SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 60V42 ILLINOIS FED. AID PROJECT					



ECON 55

FILE NAME =	USER NAME = plascencia	DESIGNED - IP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED INTERCONNECT PLAN IL RTE 33 (HARLEM AVE) - BP ENTRANCE (48TH ST) TO 46TH ST /47TH ST	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
S:\WP\Design\Iover\InHouse_Design\60V42	IL 33 at 46th-47th St\DCN\160V42-shr-08-Interconnect Plan.dgn	DRAWN - IP	REVISED -			348	2424-N	COOK	89	66	
Default	PLOT SCALE = 100.0000' / 1in.	CHECKED - LP	REVISED -			CONTRACT NO. 60V42					
	PLOT DATE = 11/2/2016	DATE - 10/15/2016	REVISED -			ILLINOIS FED. AID PROJECT					

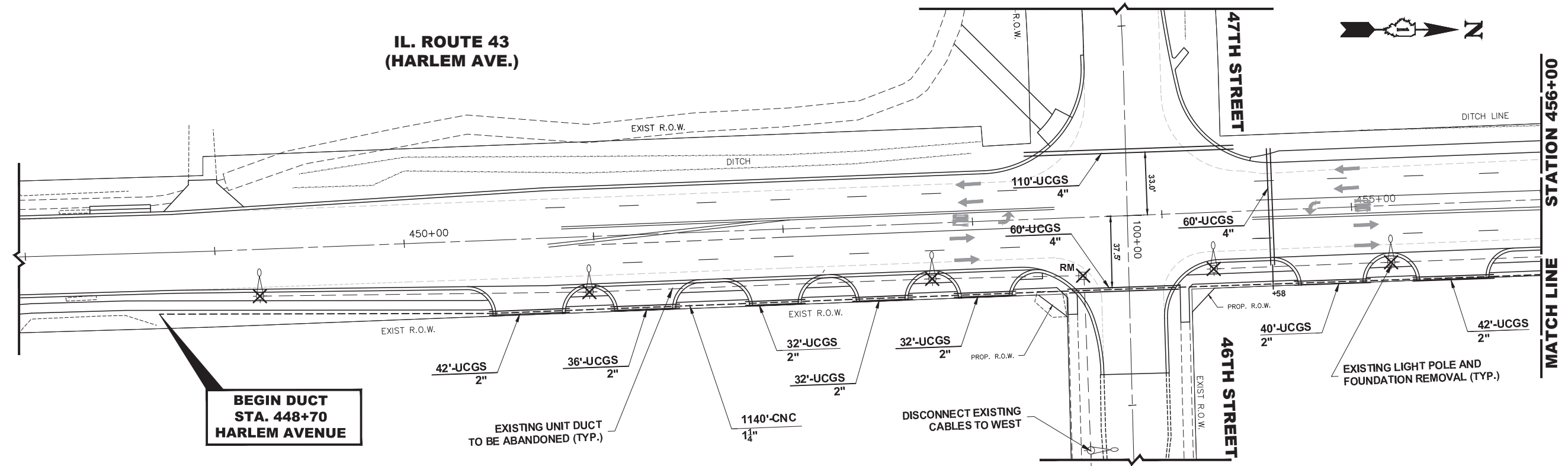


SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	100
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	975
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	975
* ROD AND CLEAN EXISTING CONDUIT	FOOT	375
CONDUIT SPLICE	EACH	1
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	975
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1

* NOMINAL QUANTITY TO BE USED AS NEEDED AND AS APPROVED BY THE ENGINEER

ECON 55

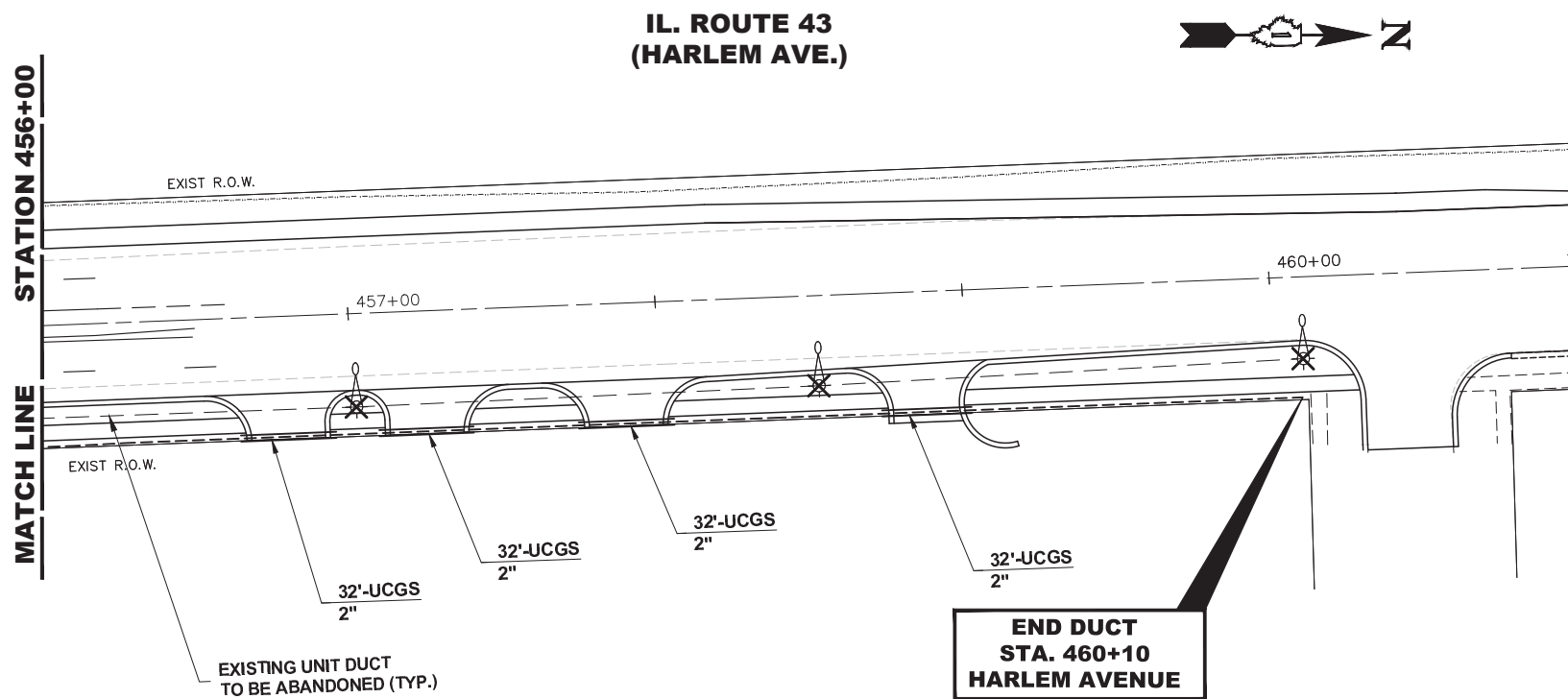


**BEGIN DUCT
STA. 448+70
HARLEM AVENUE**

NOTE:
EXISTING LIGHTING POLES TO BE
REMOVED AND TO BE DELIVERED TO
4625 OAK PARK AVENUE, FOREST VIEW, IL

WENONAH AVENUE

EXISTING LIGHTING CONTROLLER
AND SERVICE LOCATION IN
REAR OF VILLAGE HALL PARKING LOT



**END DUCT
STA. 460+10
HARLEM AVENUE**

LIGHTING PLAN LEGEND	
DESCRIPTION	PROPOSED
COILABLE NONMETALLIC CONDUIT (EMPTY) CNC	---
UNDERGROUND CONDUIT GALVANIZED STEEL (USGS)	====
LIGHT POLE AND FOUNDATION REMOVAL	⊗
REMOVE EXISTING HANDHOLE	RM ⊗
EXISTING UNIT DUCT TO BE ABANDONED	----

SCHEDULE OF QUANTITIES		
QUANTITY	UNIT	DESCRIPTION
230	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4"
382	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2"
1000	FOOT	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1-1/4" DIA.
8	EACH	REMOVAL OF POLE FOUNDATION
8	EACH	REMOVAL OF LIGHTING UNIT, SALVAGE
1	EACH	REMOVE EXISTING HANDHOLE

Drawing file: W:\Projects_by_Village\Forest View\32016160 - Harlem Ave-46th Lighting\EHE_Lighting Plan_1001.dwg Jun 25, 2017 - 2:04pm

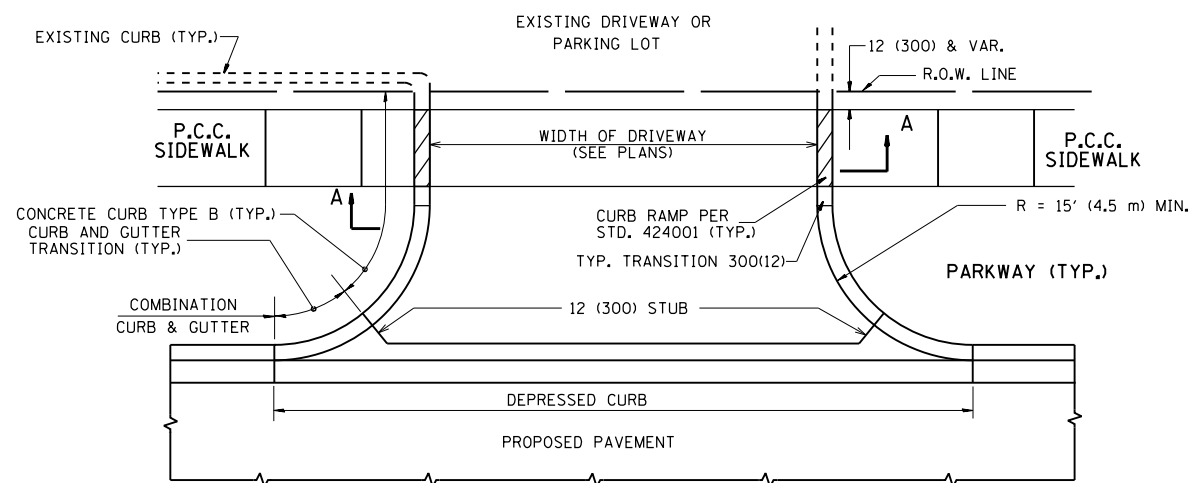
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www.hancock.com

DESIGNED - JG	REVISED -
DRAWN - MK	REVISED -
CHECKED - SBC	REVISED -
DATE - 12/12/2016	REVISED - 1/25/2017

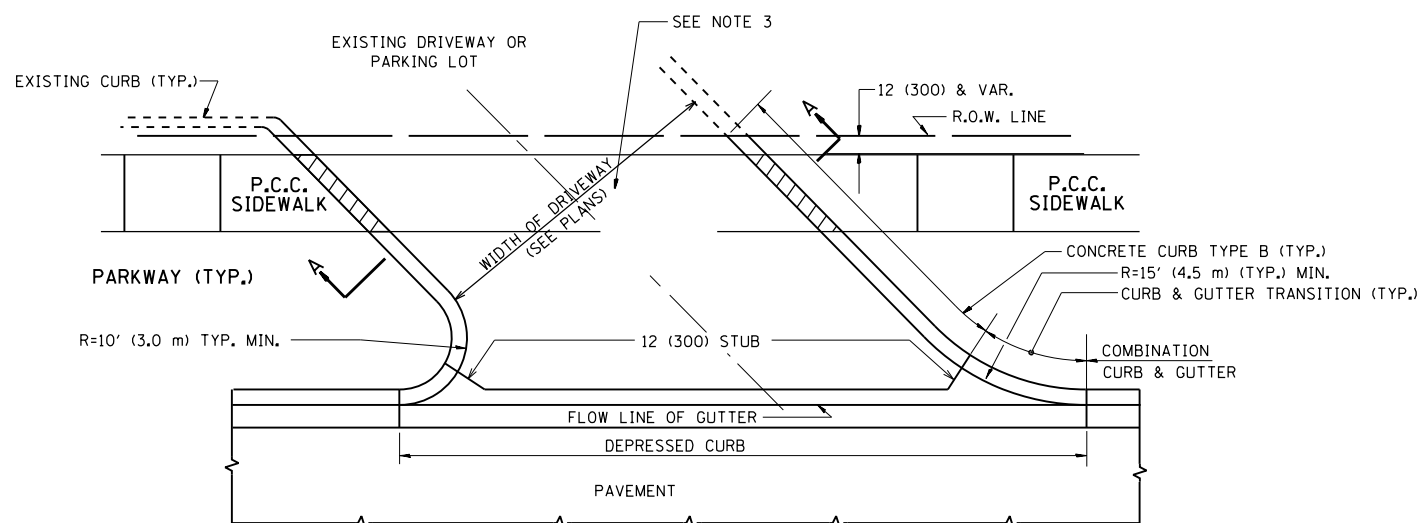
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY LIGHTING PLAN
IL ROUTE 43 AT 46TH/47TH STREET**
SCALE: 1"=30'
SHEET NO. 1 OF 1 SHEETS
STA. N/A TO STA. N/A

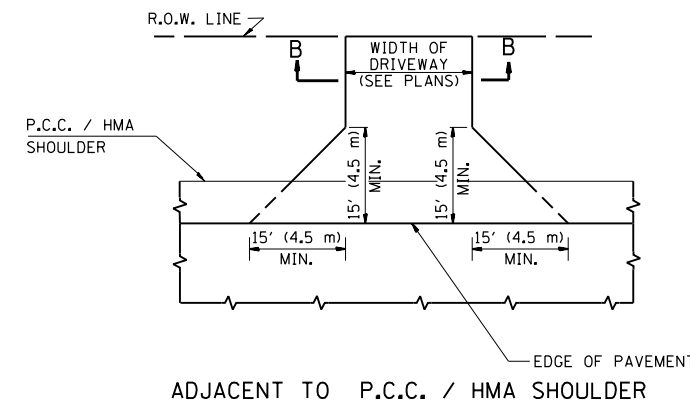
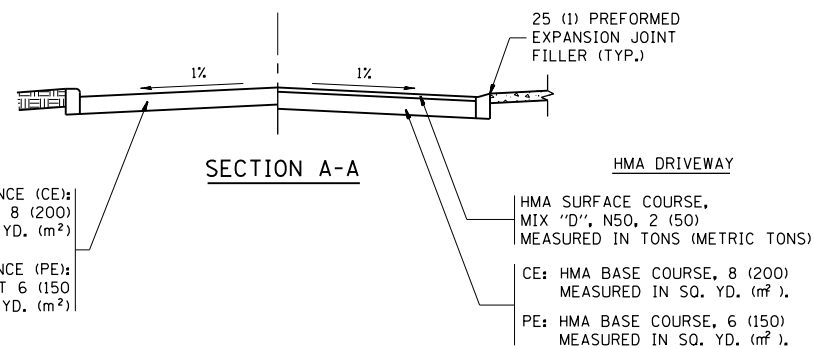
F.A.P. RTE. 348	SECTION 2424-N	COUNTY COOK	TOTAL SHEETS 89	SHEET NO. 68
CONTRACT NO. 60V42 ILLINOIS FED. AID PROJECT				



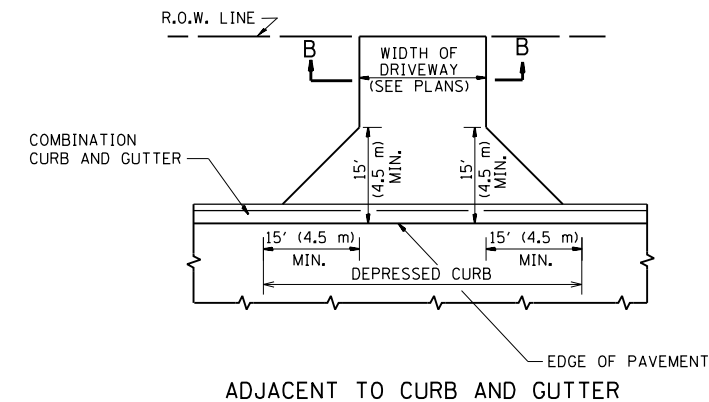
WITH CONCRETE CURB, TYPE B



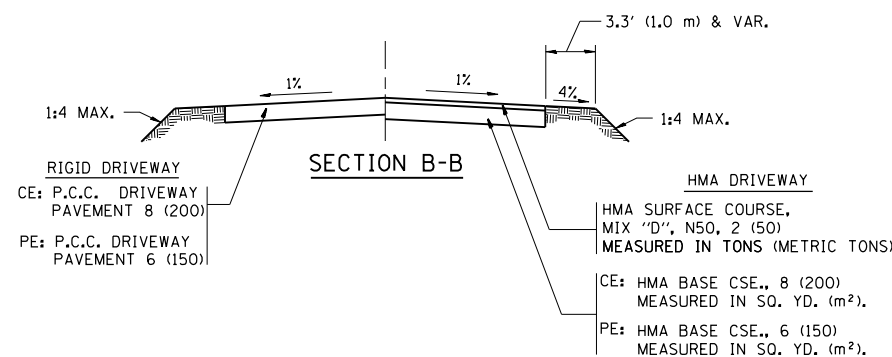
WITH CONCRETE CURB, TYPE B



ADJACENT TO P.C.C. / HMA SHOULDER



ADJACENT TO CURB AND GUTTER



SECTION B-B

RURAL FIELD ENTRANCE (FE)

GENERAL NOTES:

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

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

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

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

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

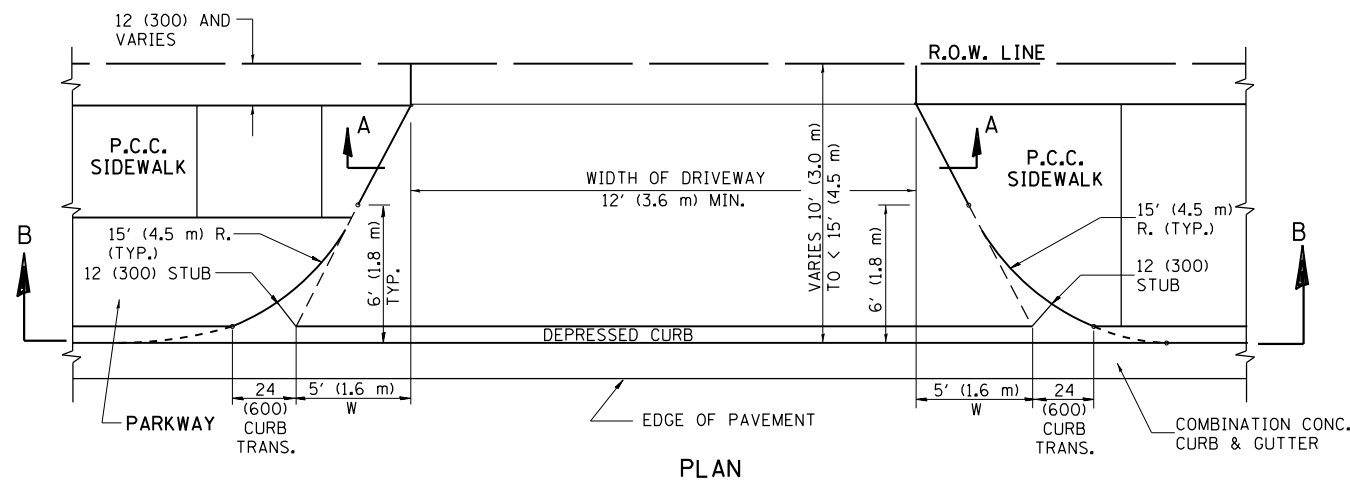
WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

FILE NAME =	USER NAME = currywaw	DESIGNED - R. SHAH	REVISED - P. LaFLUER 04-15-03
pw:\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\PI69\DRAN\04\Design\DistStd.dgn		CHECKED -	REVISED - R. BORO 01-01-07
		DATE - 11-04-95	REVISED - R. BORO 06-11-08
			REVISED - R. BORO 09-06-11

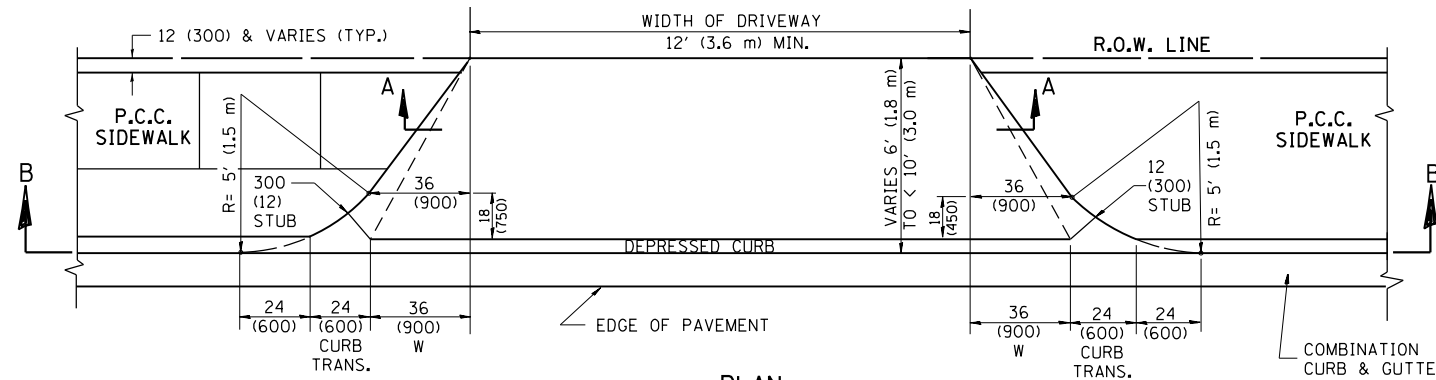
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m)			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

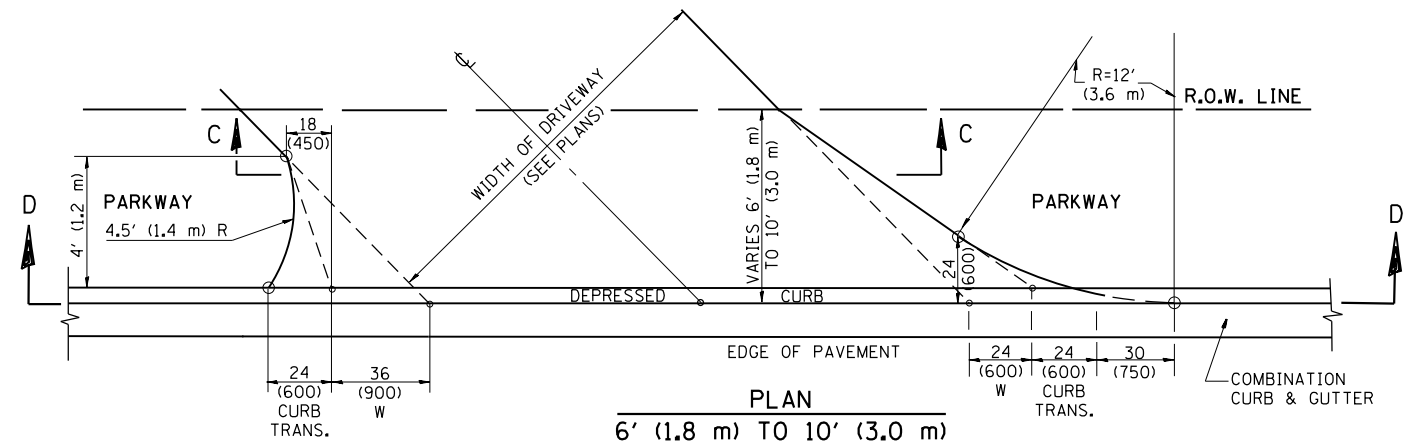
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2424-N	COOK	89	69
BD0156-07 (BD-01)			CONTRACT NO. 60V42	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



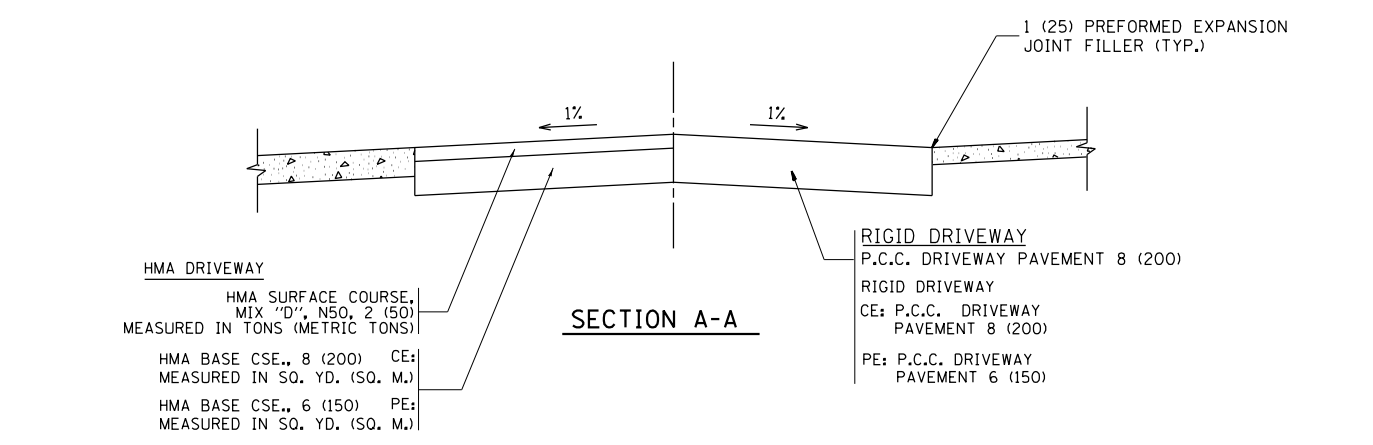
PLAN
10' (3.0 m) TO < 15' (4.5 m)



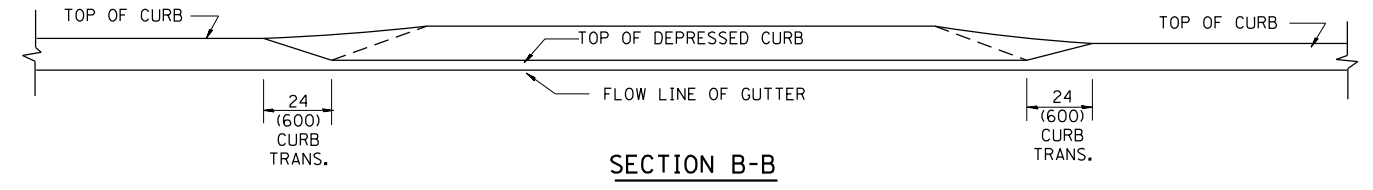
PLAN
6' (1.8 m) TO < 10' (3.0 m)



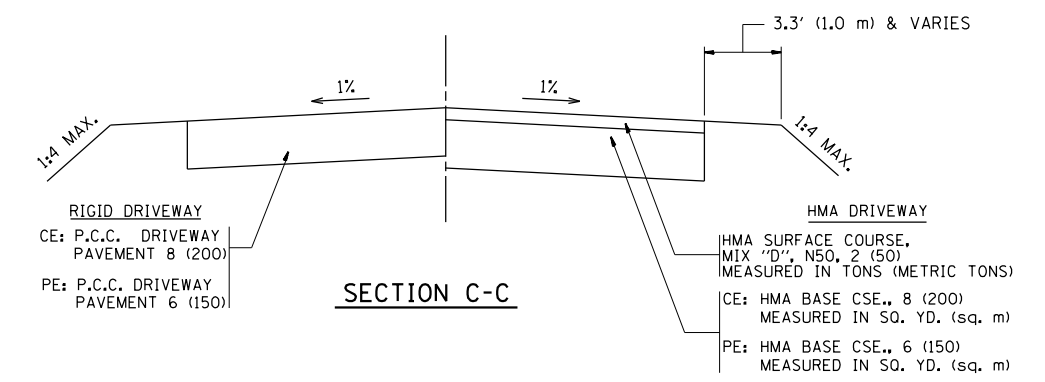
PLAN
6' (1.8 m) TO 10' (3.0 m)



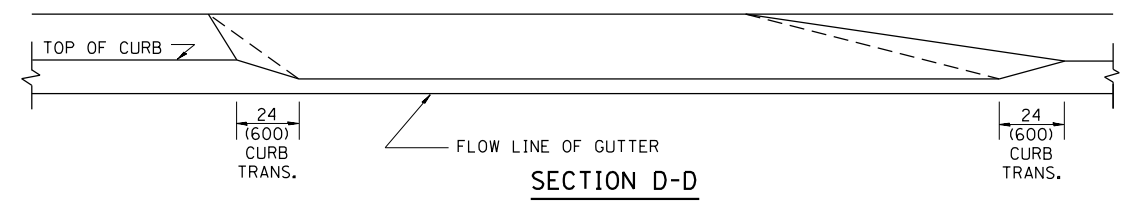
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

GENERAL NOTES

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

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

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

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

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

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

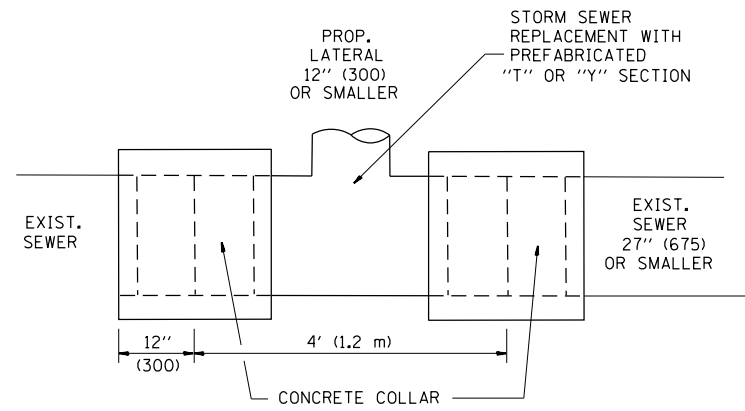
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED.

FILE NAME =	USER NAME = currywaw	DESIGNED - R. SHAH	REVISED - M. GOMEZ 04-06-01
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		DATE - 11-06-95	REVISED - R. BORO 01-01-07
			REVISED - R. BORO 01-01-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

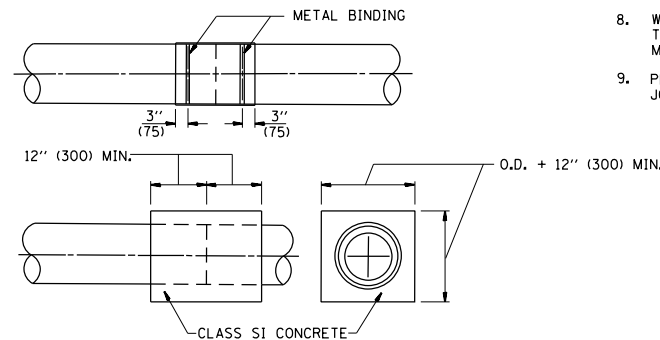
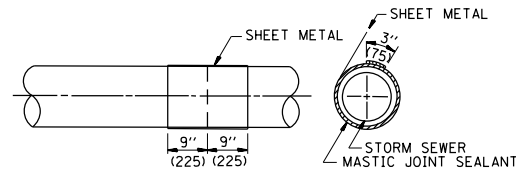
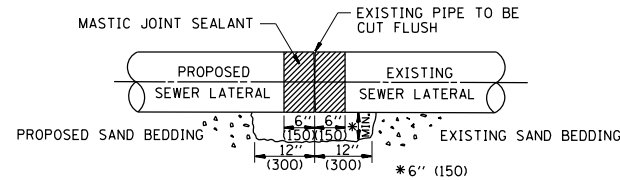
DRIVEWAY DETAILS			
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m)			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2424-N	COOK	89	70
BD400-02 (BD-02)			CONTRACT NO. 60V42	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



DETAIL "A"

LATERAL CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER



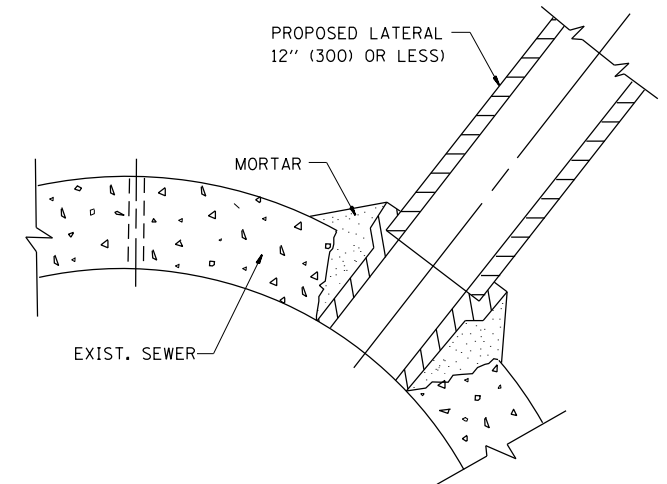
DETAIL "B"

CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12" x 6" (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERENCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OOOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.

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



DETAIL "C"

PROPOSED LATERAL CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER

NOTES

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

- THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.
- CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
 - PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
 - PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS. THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.

REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

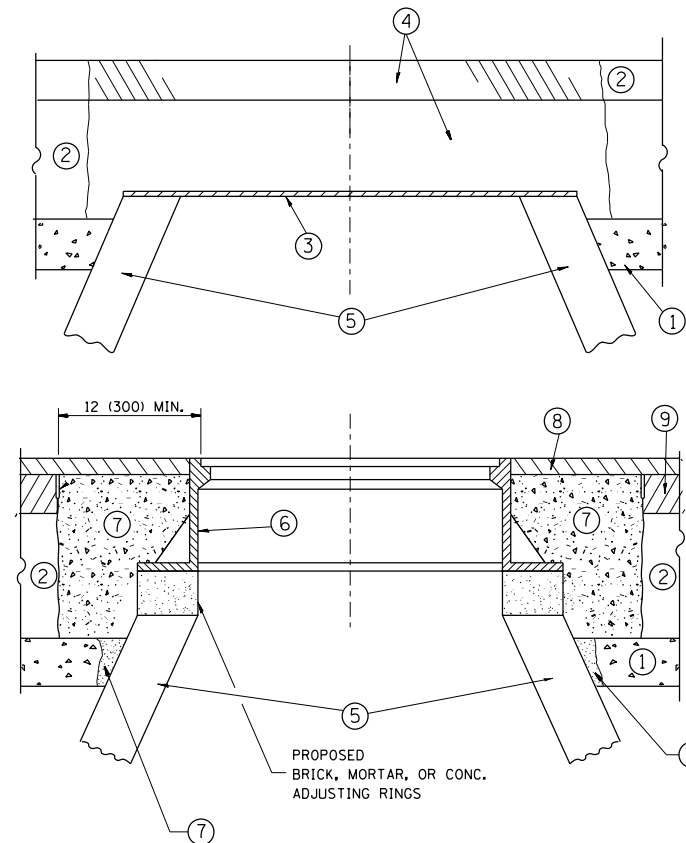
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	PLOT SCALE = 100.0000' / in.	DATE - 07-25-90	REVISED - R. SHAH 10-25-94
	PLOT DATE = 12/19/2016		REVISED - R. SHAH 06-12-96

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAIL OF STORM SEWER
CONNECTION TO EXISTING SEWER**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2424-N	COOK	89	71
BD500-01 (BD-7)		CONTRACT NO. 60V42		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

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

STAGE 2 (AFTER PAVEMENT MILLING)

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

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

LEGEND

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

LOCATION OF STRUCTURES:

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

BASIS OF PAYMENT:

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

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

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

NOTES:

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

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

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

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

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

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

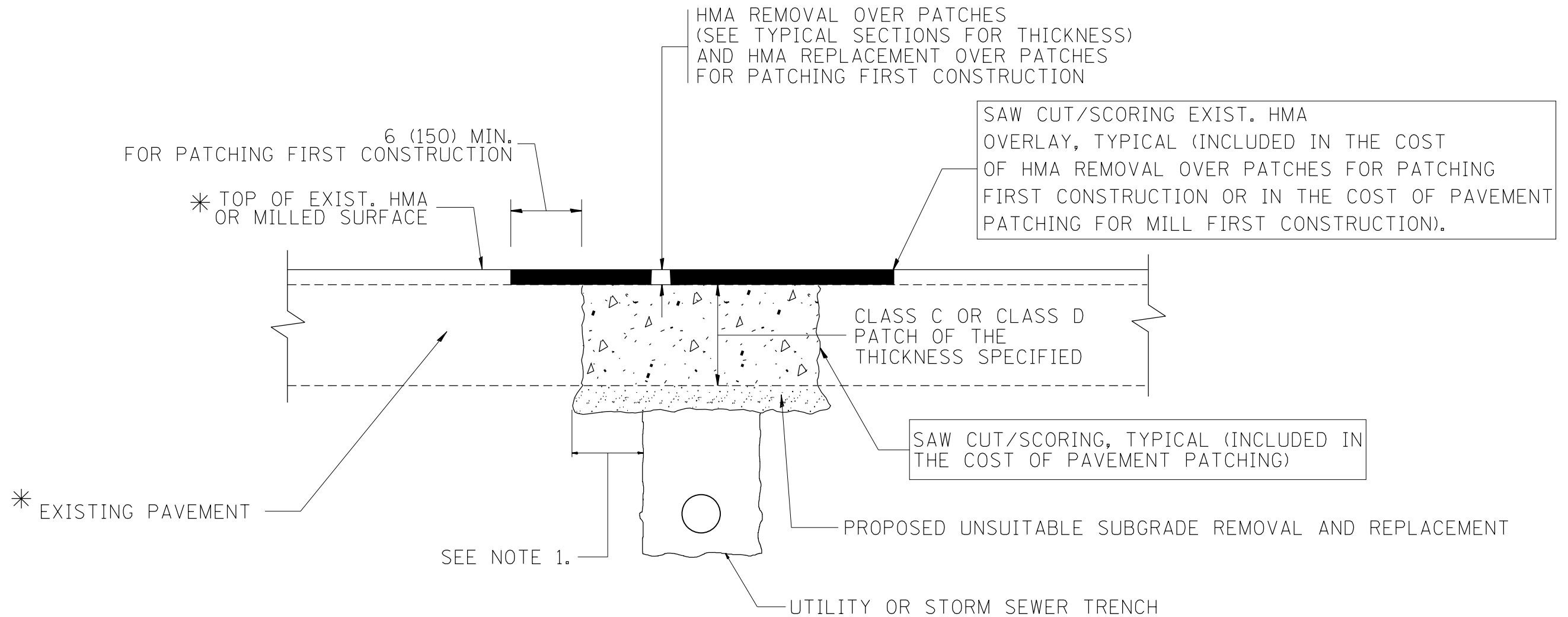
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = curryaw	DESIGNED - R. SHAH	REVISED - R. WIEDEMAN 05-14-04
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	PLOT DATE = 12/19/2016	DATE - 10-25-94	REVISED - R. BORO 12-06-11

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2424-N	COOK	89	72
BD600-03 (BD-8)		CONTRACT NO. 60V42		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

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

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

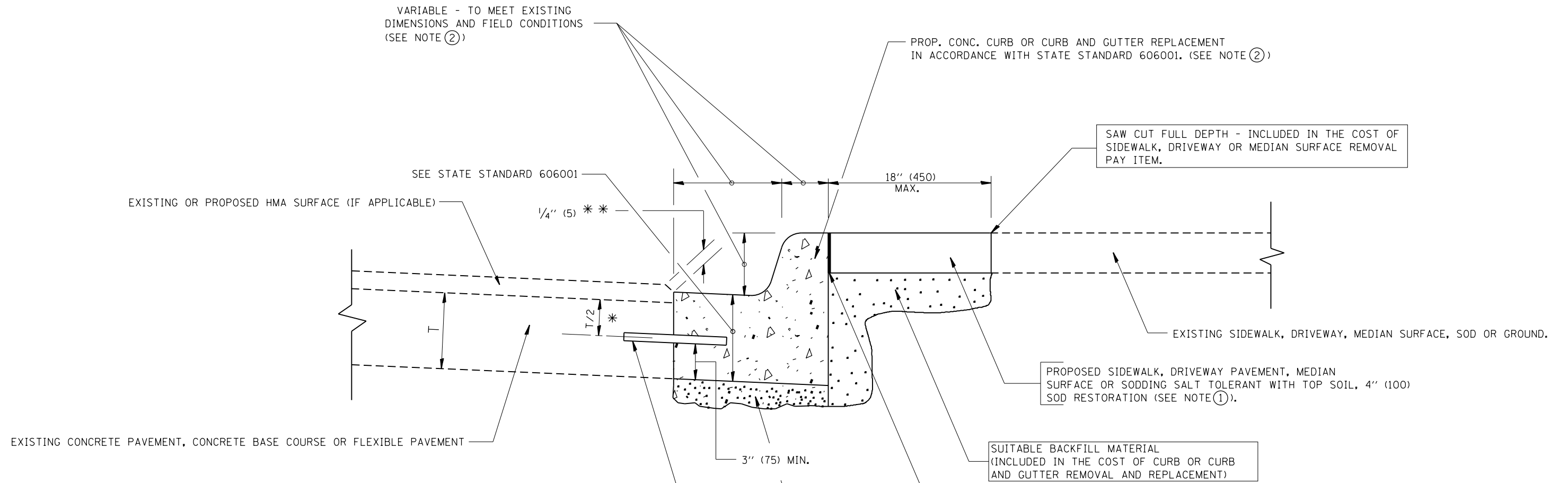
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

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

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

FILE NAME =	USER NAME = curryw	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\ill084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\PI690\Drawings\Design\DistStd.dgn	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - R. BORO 01-01-07					348	2424-N	COOK	89	73
	PLOT DATE = 12/19/2016	DATE - 10-25-94	REVISED - R. BORO 09-04-07		BD400-04 (BD-22)			CONTRACT NO. 60V42				
			REVISED - K. ENG 10-27-08		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		



* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
 ** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.
 SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY.

- ② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED
- ③ CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.
- ④ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.

⑤ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑥ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑦ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.

⑧ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.

REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

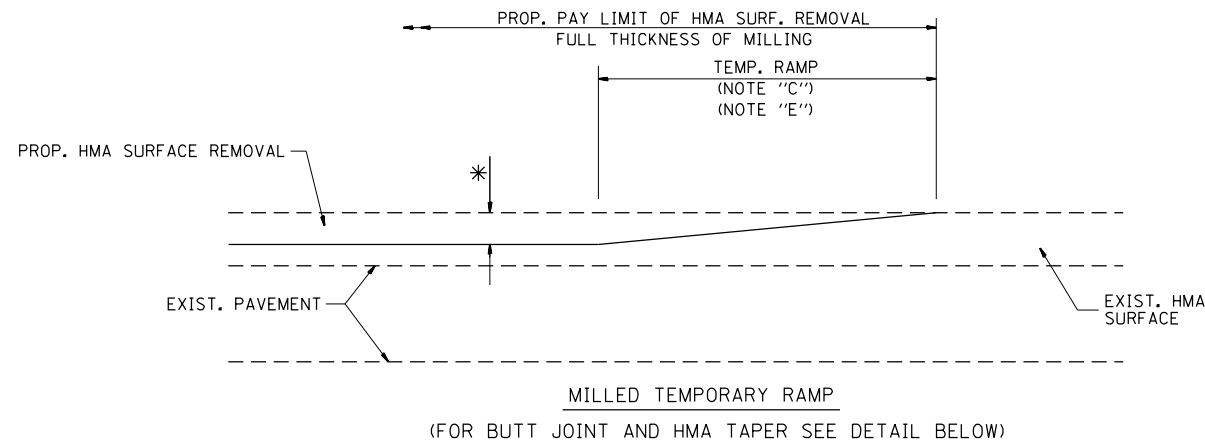
PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

BASIS OF PAYMENT:
 THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

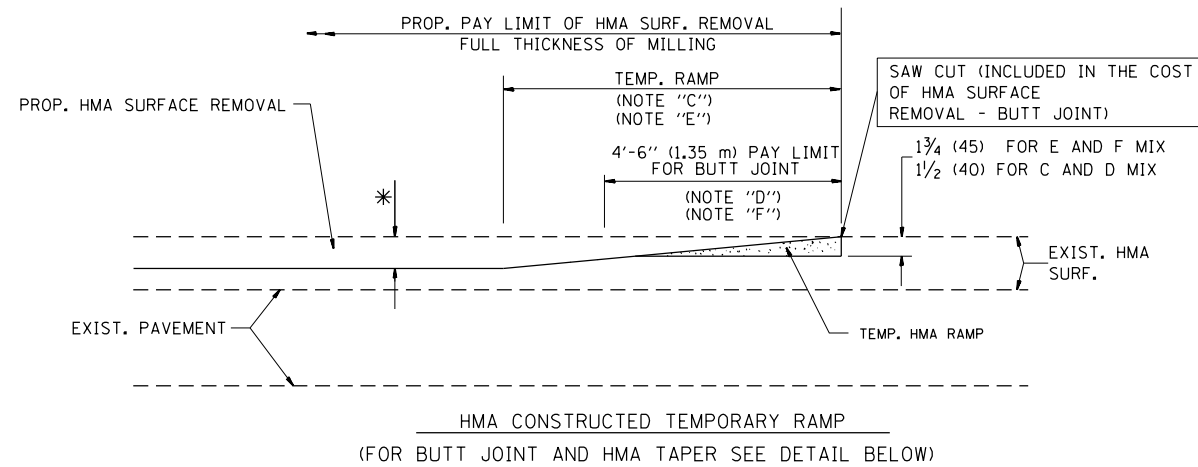
CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

FILE NAME =	USER NAME = curryw	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
			REVISED - A. ABBAS 03-21-97			348	2424-N	COOK	89	74	
			REVISED - M. GOMEZ 01-22-01			BD600-06 (BD-24)		CONTRACT NO. 60V42			
			REVISED - R. BORO 12-15-09			SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

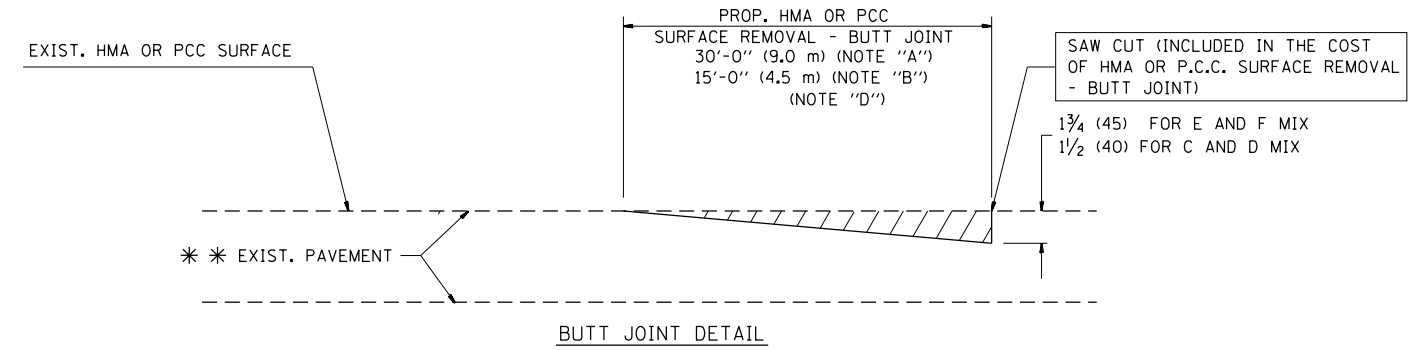


OPTION 1

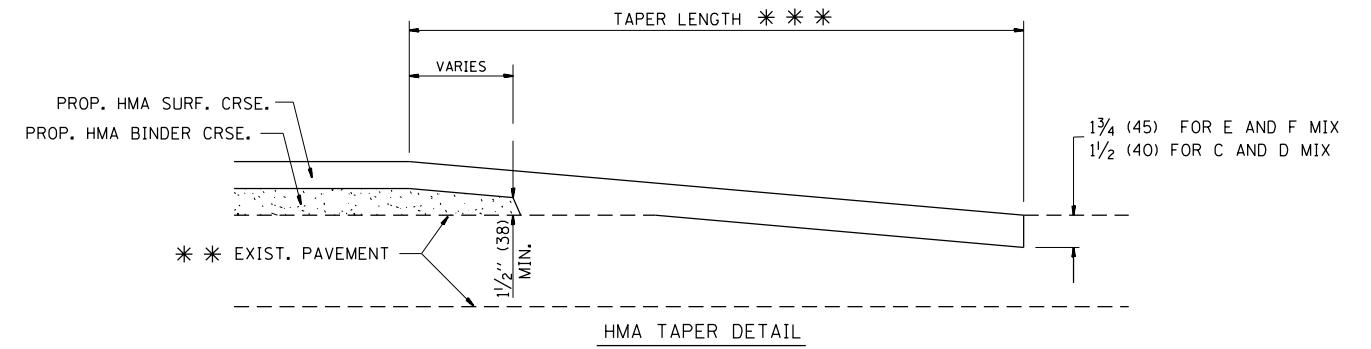


OPTION 2

TYPICAL TEMPORARY RAMP



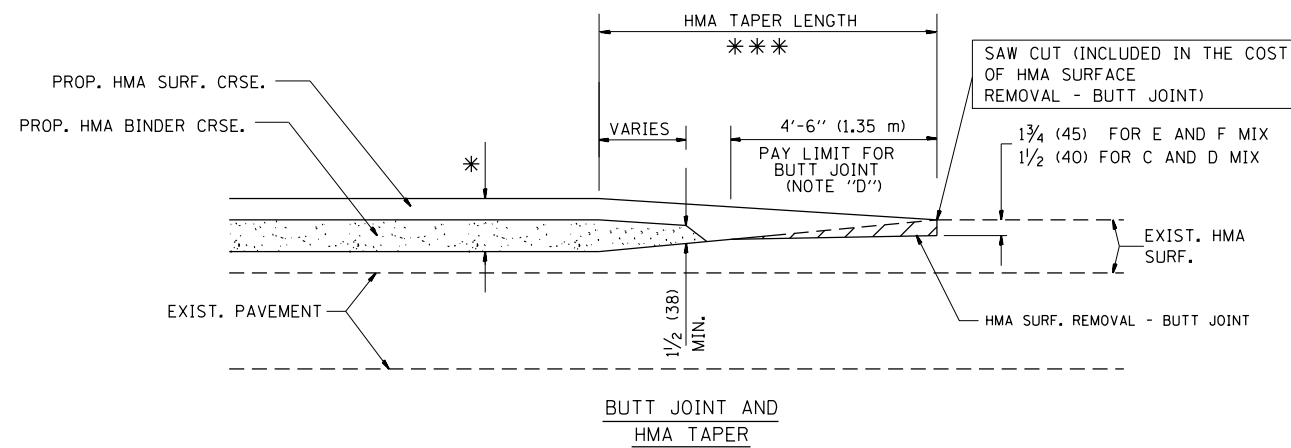
BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

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



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

NOTES

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

BASIS OF PAYMENT:

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

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

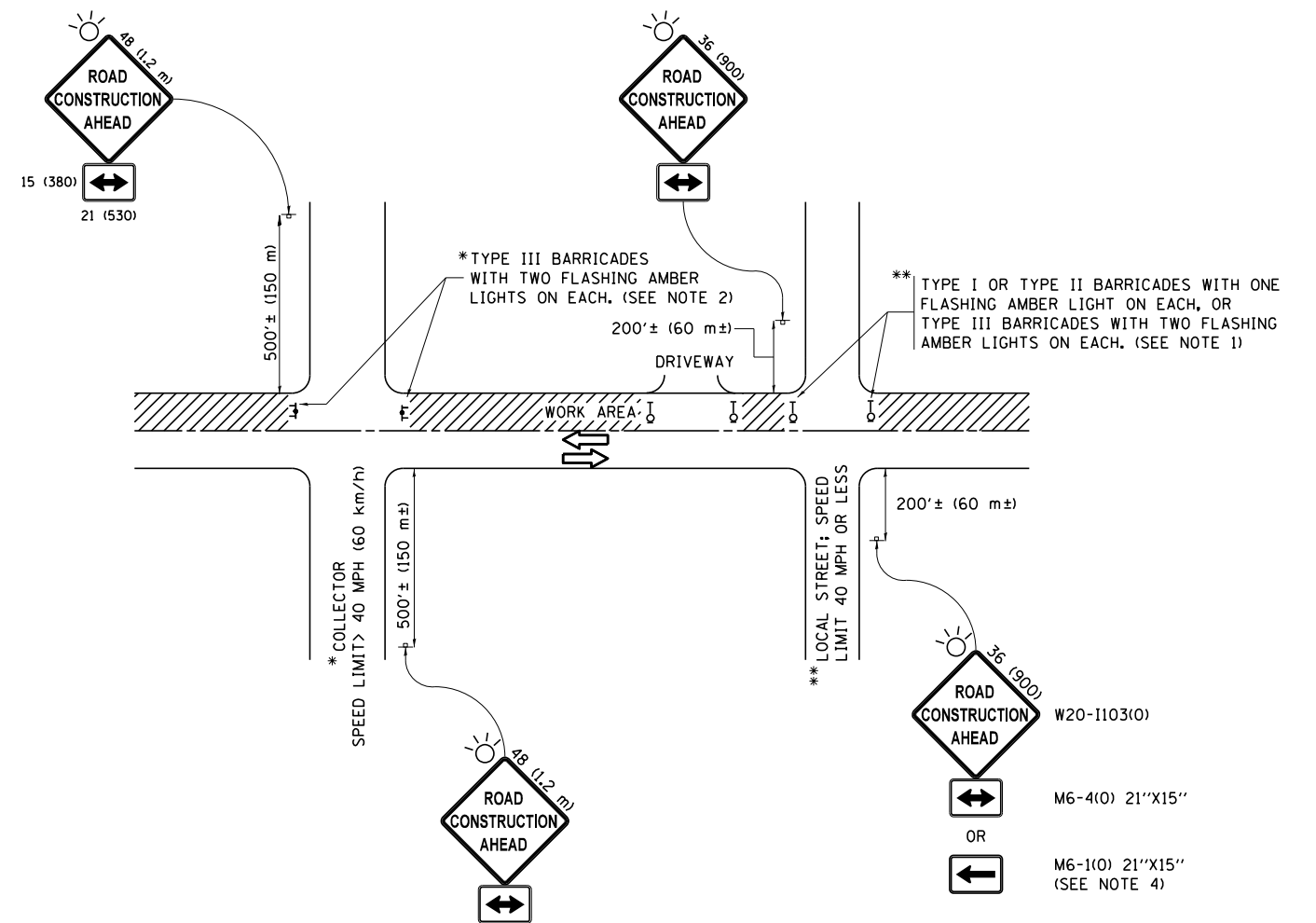
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	PLOT DATE = 12/19/2016	DATE - 06-13-90	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND
HMA TAPER DETAILS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2424-N	COOK	89	75
BD400-05 BD32			CONTRACT NO. 60V42	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

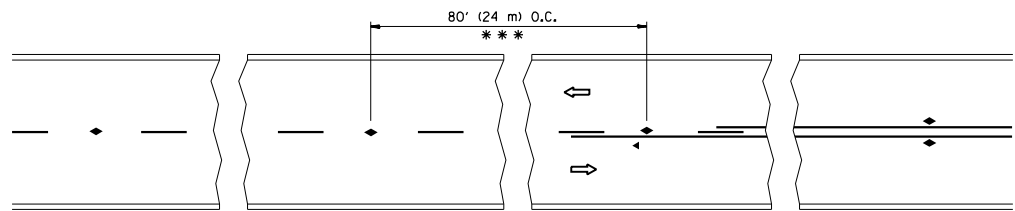
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	PLOT DATE = 1/24/2017	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

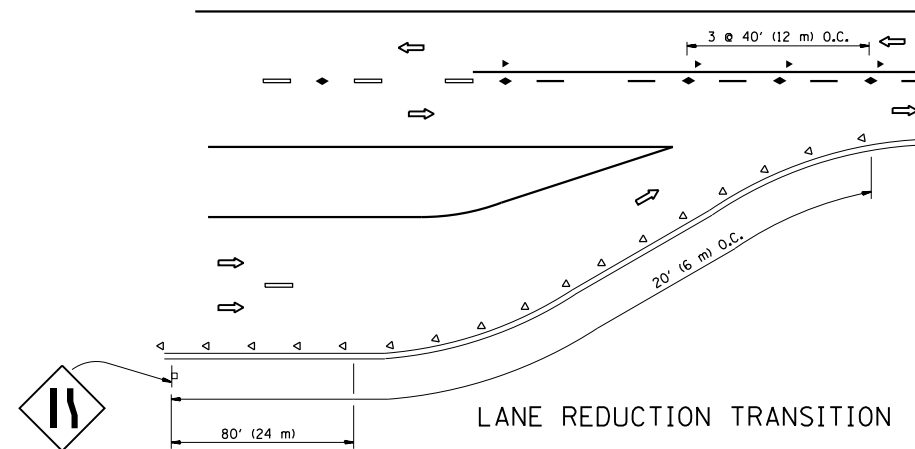
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2424-N	COOK	89	76
TC-10			CONTRACT NO. 60V42	
ILLINOIS FED. AID PROJECT				

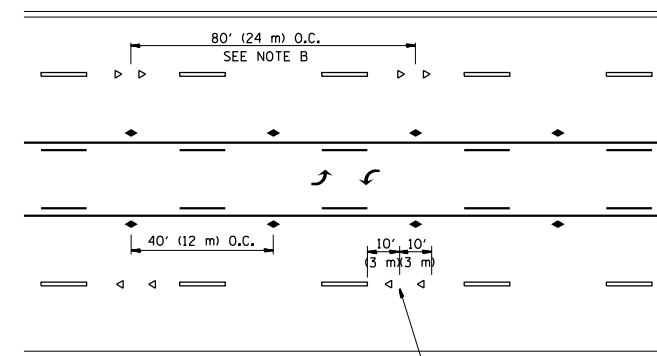


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

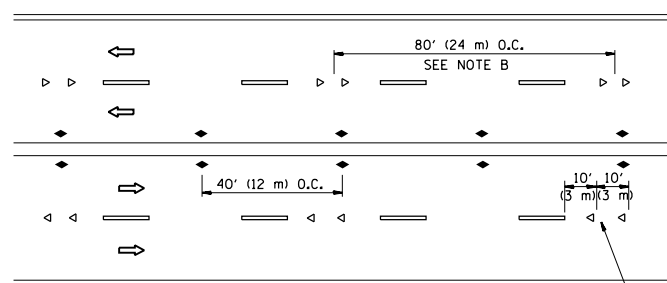
TWO-LANE/TWO-WAY



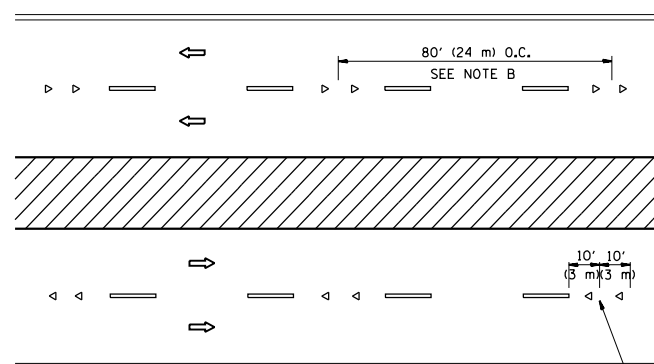
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

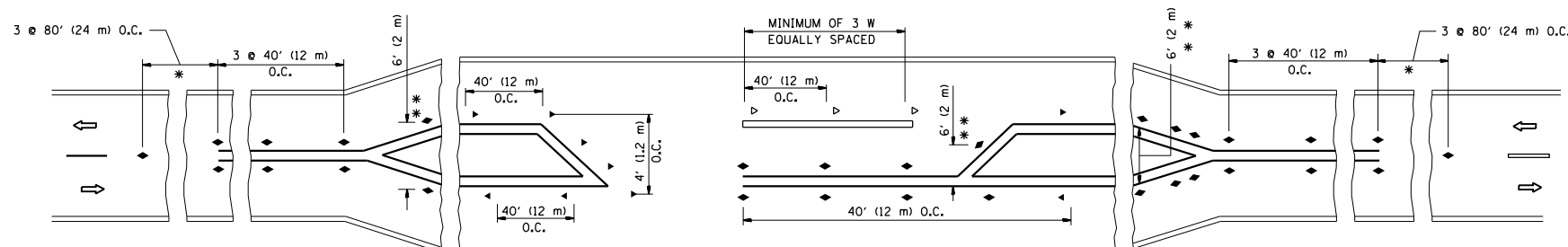
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

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

DESIGN NOTES

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



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

LEFT TURN

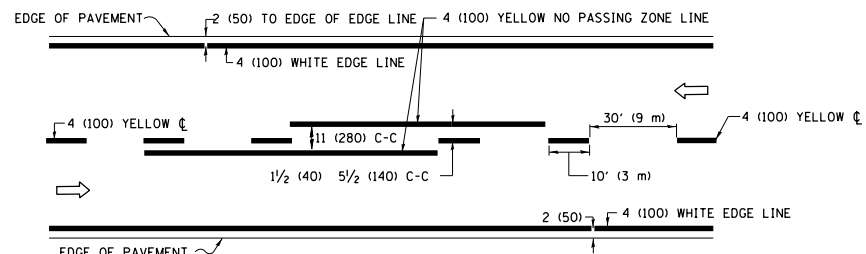
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = currywaw	DESIGNED -	REVISED - T. RAMMACHER 09-19-94
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		DATE -	REVISED - T. RAMMACHER 01-06-00
			REVISED - C. JUCIUS 09-09-09

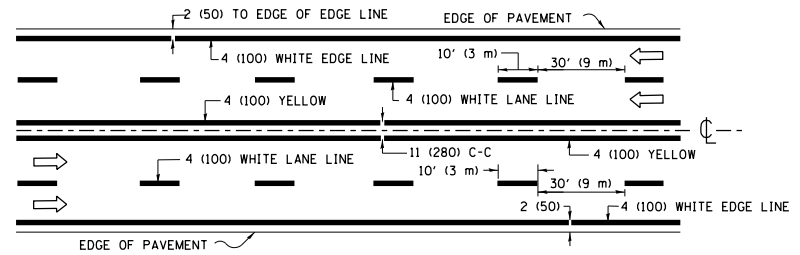
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

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

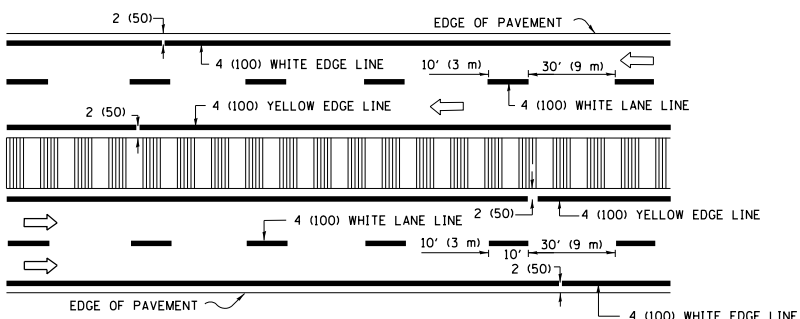
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2424-N	COOK	89	77
TC-11			CONTRACT NO. 60V42	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

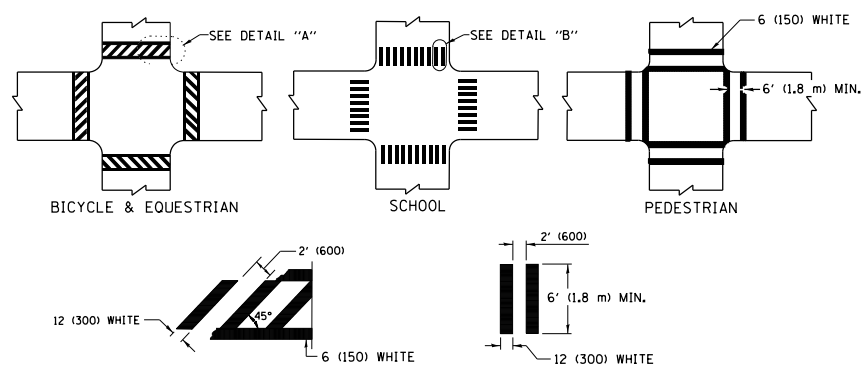


MULTI-LANE UNDIVIDED



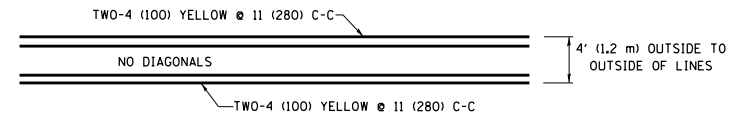
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

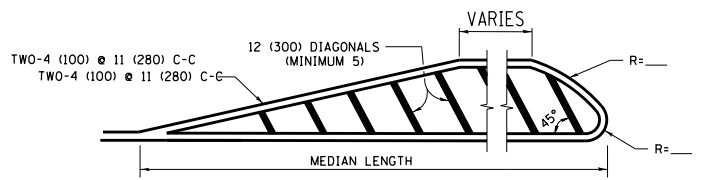


TYPICAL CROSSWALK MARKING

* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES

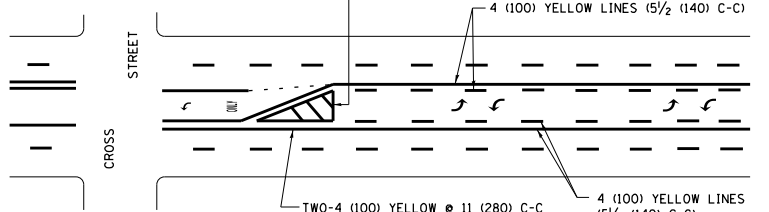


4' (1.2 m) WIDE MEDIANS ONLY



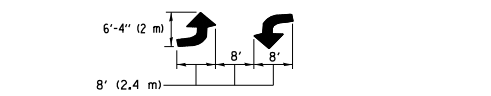
MEDIANS OVER 4' (1.2 m) WIDE

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))



MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING

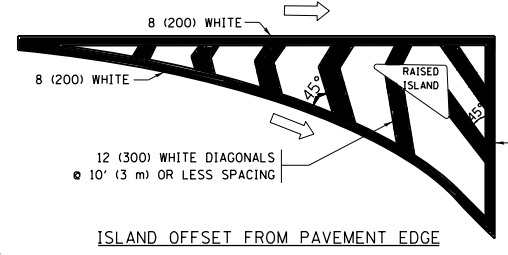
A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



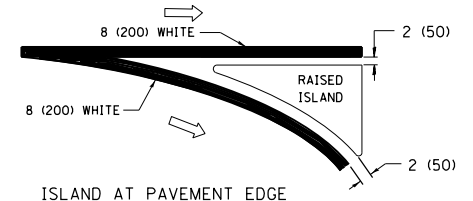
TYPICAL LEFT (OR RIGHT) TURN LANE

FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

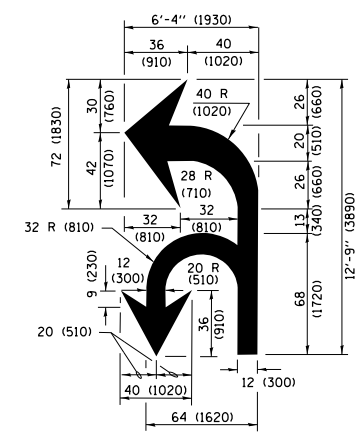
TYPICAL TURN LANE MARKING



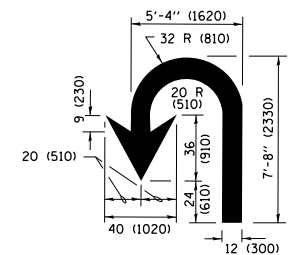
ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT, OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE.
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

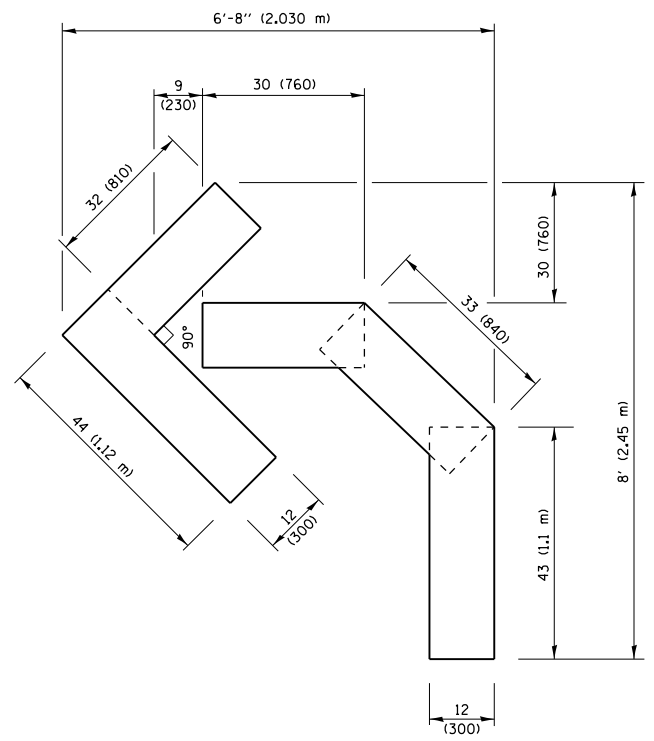
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = currywaw	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
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Default	PLOT SCALE = 100.0000' / in.	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
	PLOT DATE = 12/19/2016		REVISED - C. JUCIUS 04-12-16

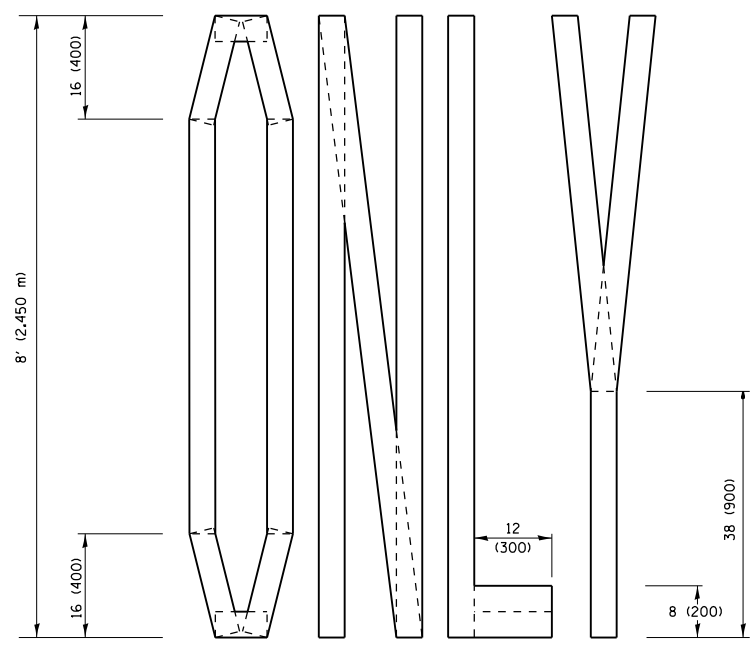
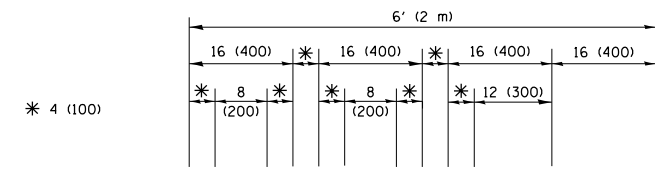
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE TYPICAL PAVEMENT MARKINGS			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

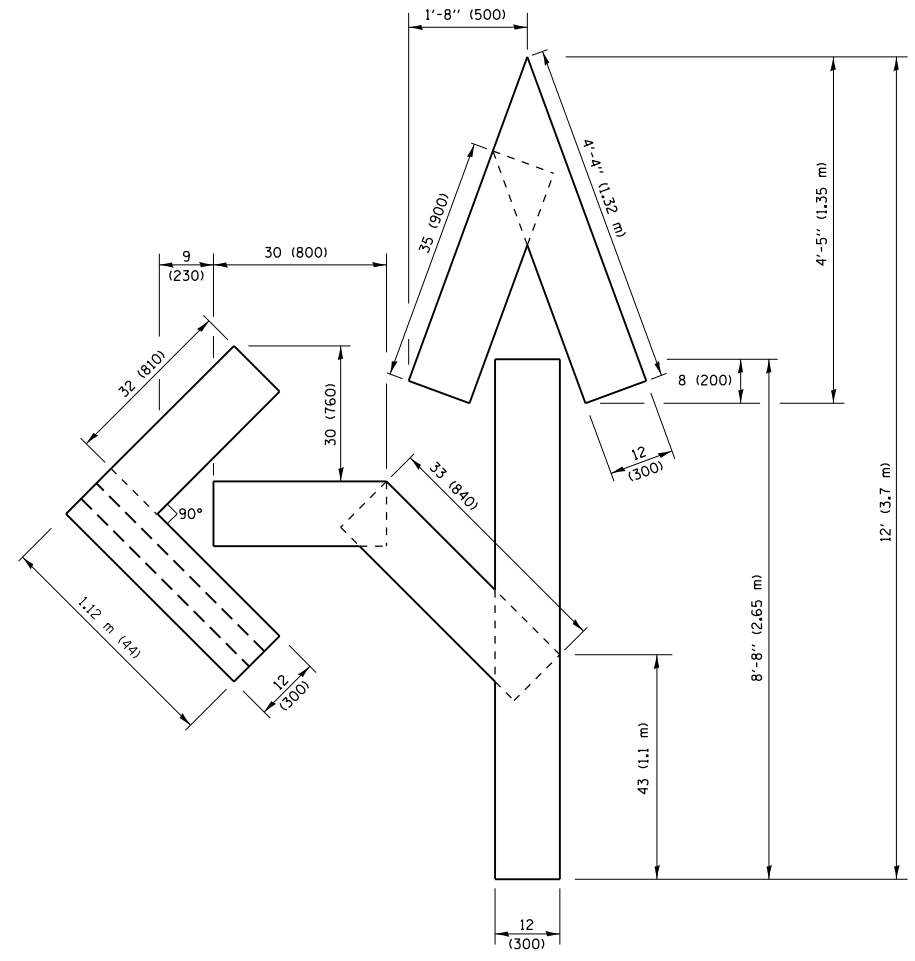
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2424-N	COOK	89	78
TC-13		CONTRACT NO. 60V42		
ILLINOIS FED. AID PROJECT				



QUANTITY
 4 (100) LINE = 45.5 ft. (13.9 m)
 15.2 sq. ft. (1.41 sq. m)

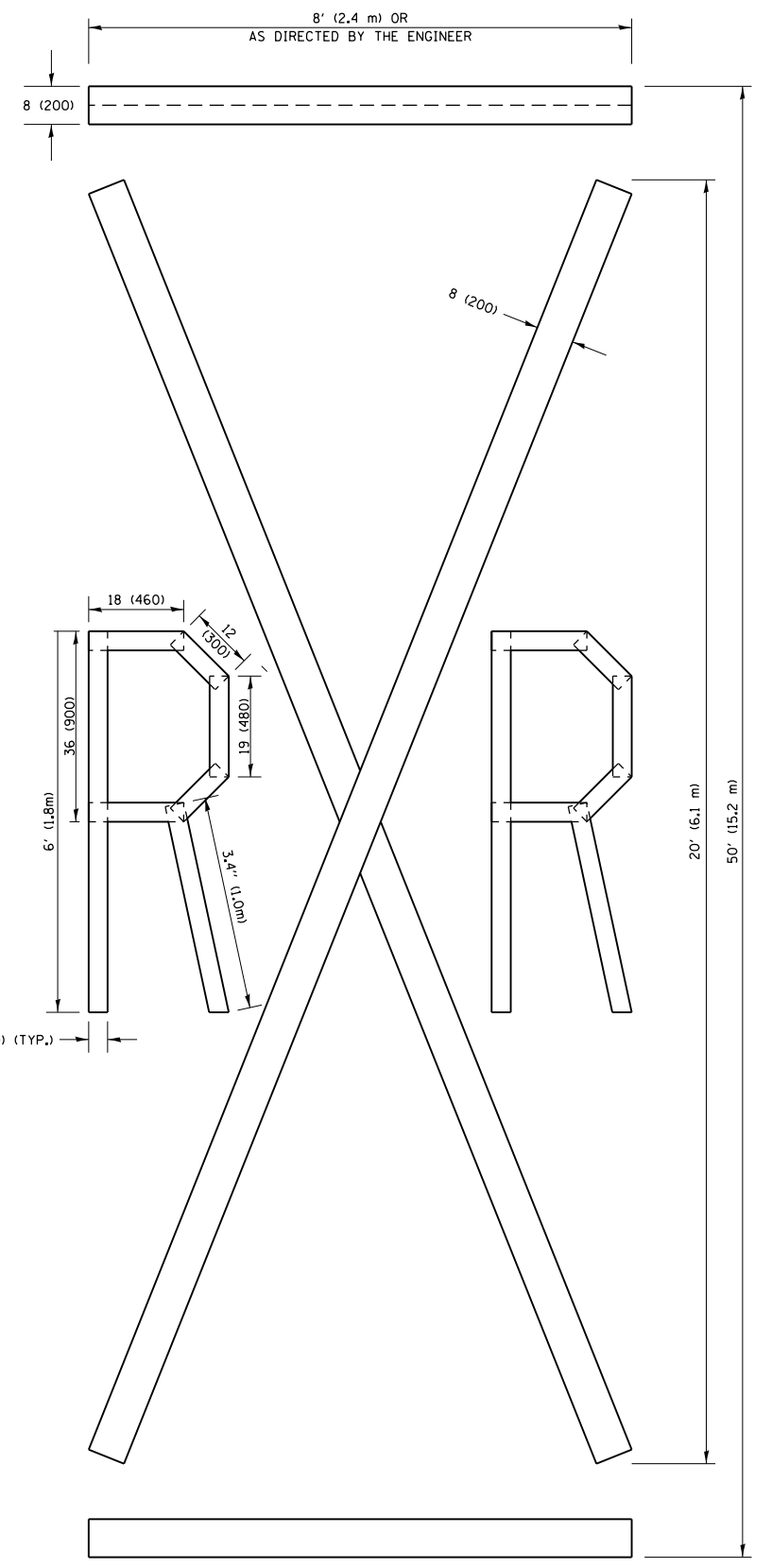


QUANTITY
 4 (100) LINE = 64.1 ft. (19.5 m)
 21.4 sq. ft. (1.99 sq. m)



QUANTITY
 4 (100) LINE = 82.5 ft. (25.1 m)
 27.5 sq. ft. (2.53 sq. m)

NOTE:
 ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



QUANTITY
 4 (100) LINE = 225.9 ft. (68.9 m)
 75.3 sq. ft. (6.99 sq. m)

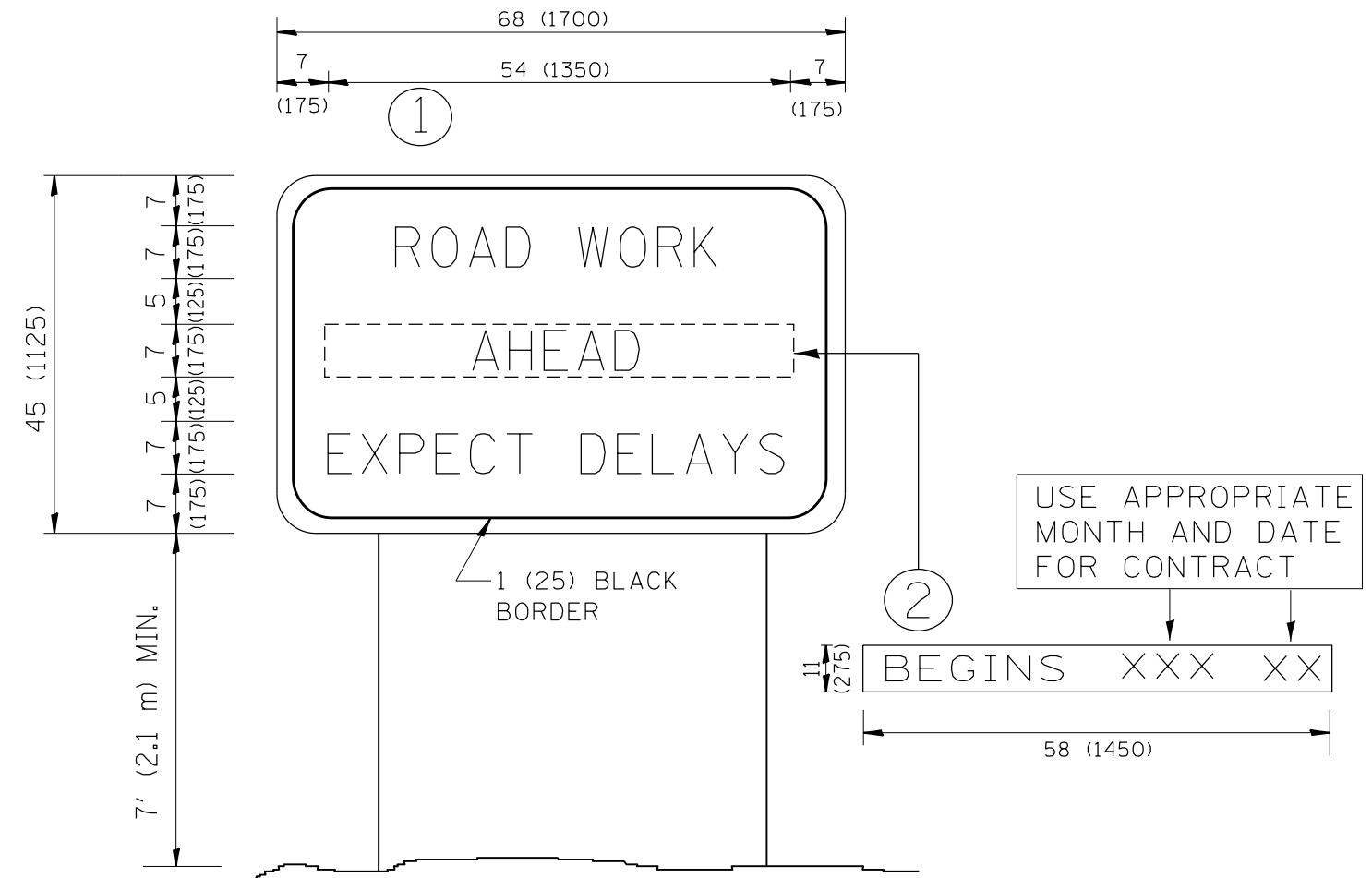
All dimensions are in inches (millimeters) unless otherwise shown.

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		DATE - 09-18-94	REVISED -E. GOMEZ 08-28-00
			REVISED -A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2424-N	COOK	89	79
TC-16		CONTRACT NO. 60V42		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

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

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

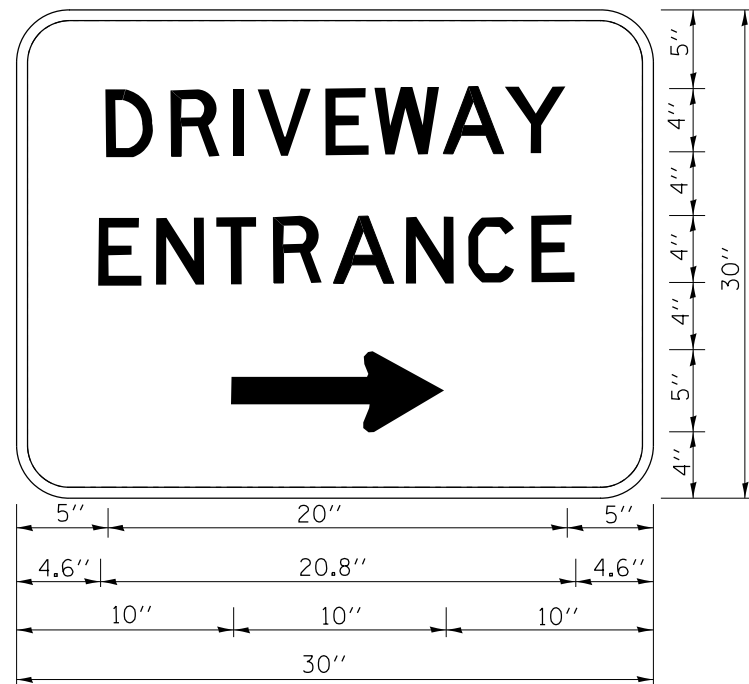
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	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	PLOT DATE = 12/19/2016	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2424-N	COOK	89	80
TC-22			CONTRACT NO. 60V42	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

NOTES:

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE
 PLACED BACK-TO-BACK; ONE WITH A RIGHT HAND ARROW (SHOWN)
 SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY
 AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE
 FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

FILE NAME =	USER NAME = curryw	DESIGNED -	REVISED - C. JUCIUS 02-15-07
p:\11\084EBIDINTEG\illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\PI69\DATA\Design\DistStd.dgn		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -
	PLOT DATE = 12/19/2016	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

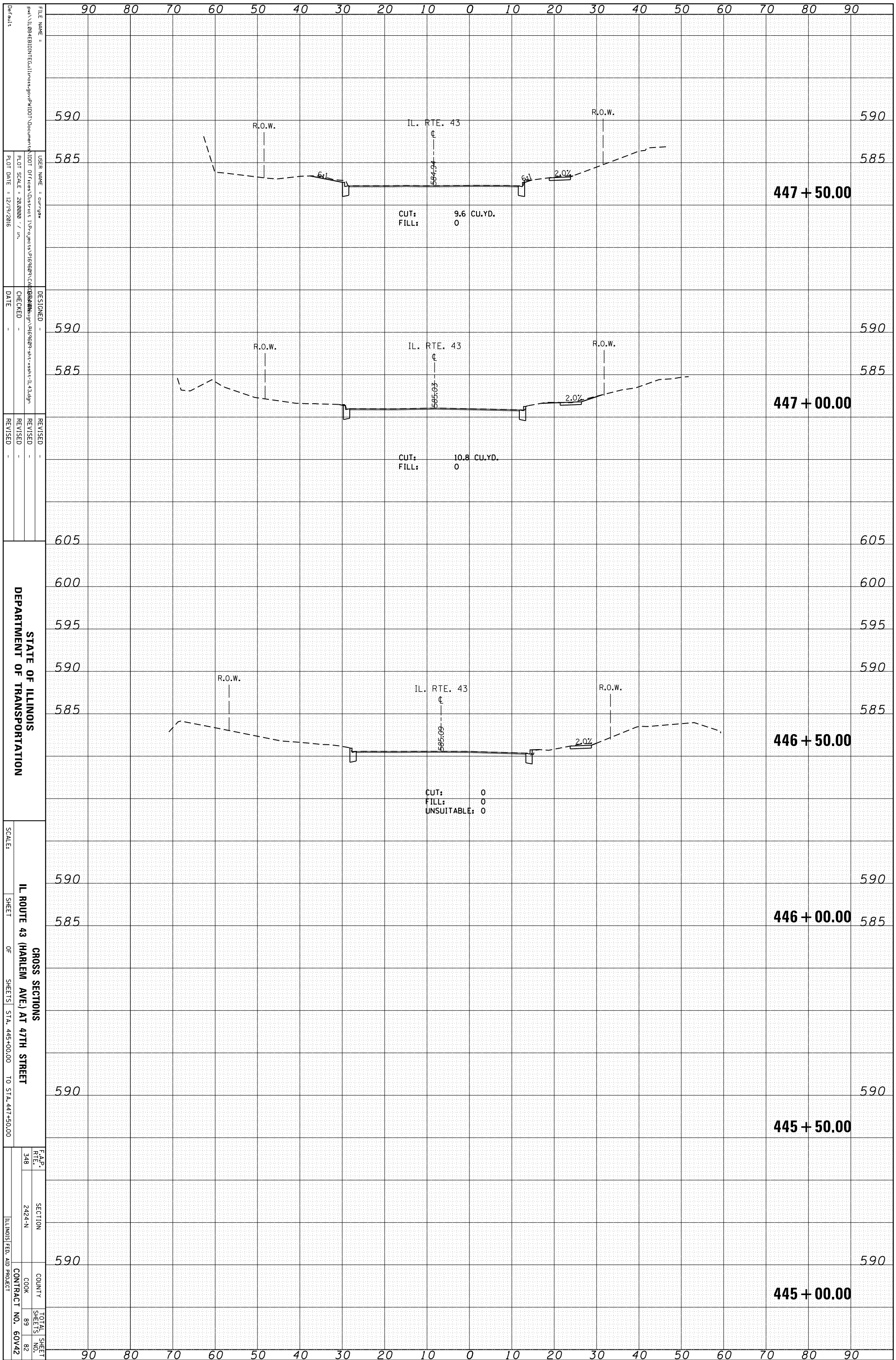
DRIVEWAY ENTRANCE SIGNING

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2424-N	COOK	89	81
TC-26			CONTRACT NO. 60V42	
FED. ROAD DIST. NO. 1 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		



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: 1" = 20'-0"

SHEET 348 OF 89 SHEETS STA. 445+00.00 TO STA. 447+50.00

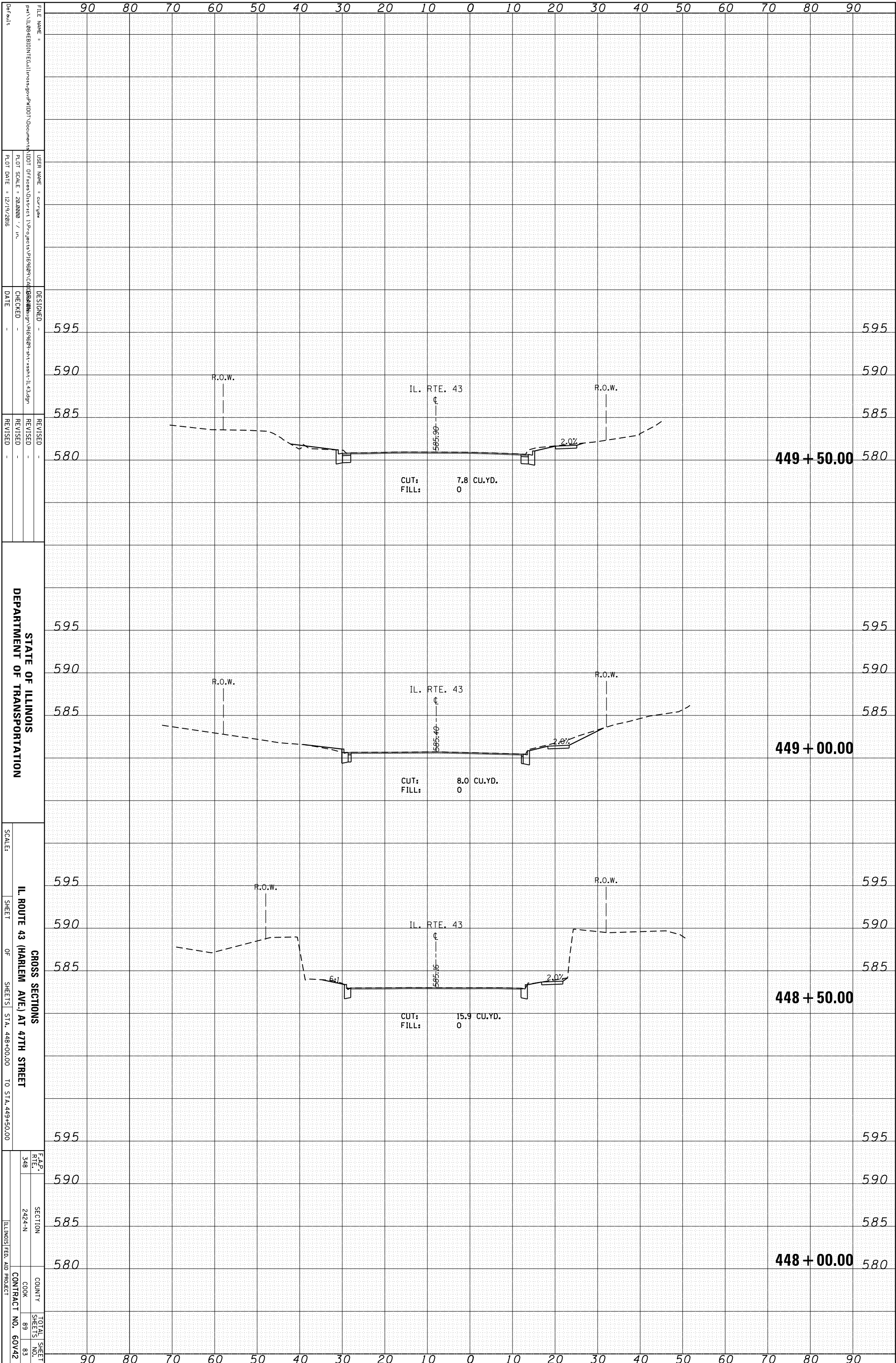
CROSS SECTIONS
IL. ROUTE 43 (HARLEM AVE.) AT 47TH STREET

F.A.P. R.T.E. 348 SECTION 2424-N COUNTY COOK CONTRACT NO. 60V42

TOTAL SHEETS 89

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

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
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	AREAS CHECKED		



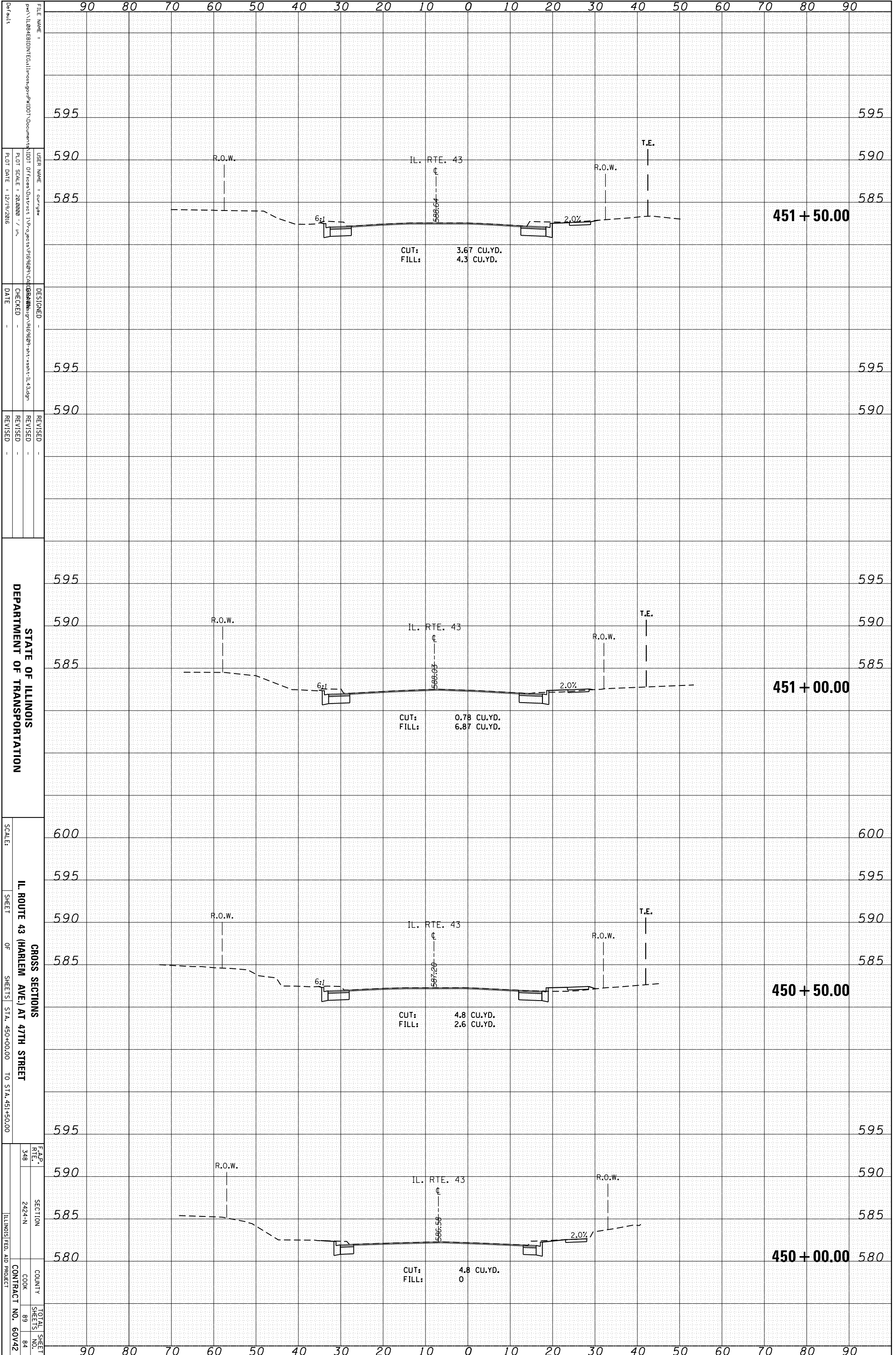
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: 1" = 40'
SHEET 348 OF 89 SHEETS
GROSS SECTIONS
IL ROUTE 43 (HARLEM AVE.) AT 47TH STREET
STA. 448+00.00 TO STA. 449+50.00

F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEET NO.
348	2424-N	COOK	89
		CONTRACT NO.	60V42
		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 =
 USER NAME = cur/gaw
 PLOT SCALE = 28.0000 / in.
 PLOT DATE = 12/19/2016

DESIGNED -
 CHECKED -
 DATE -

REVISIED -
 REVISIED -
 REVISIED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

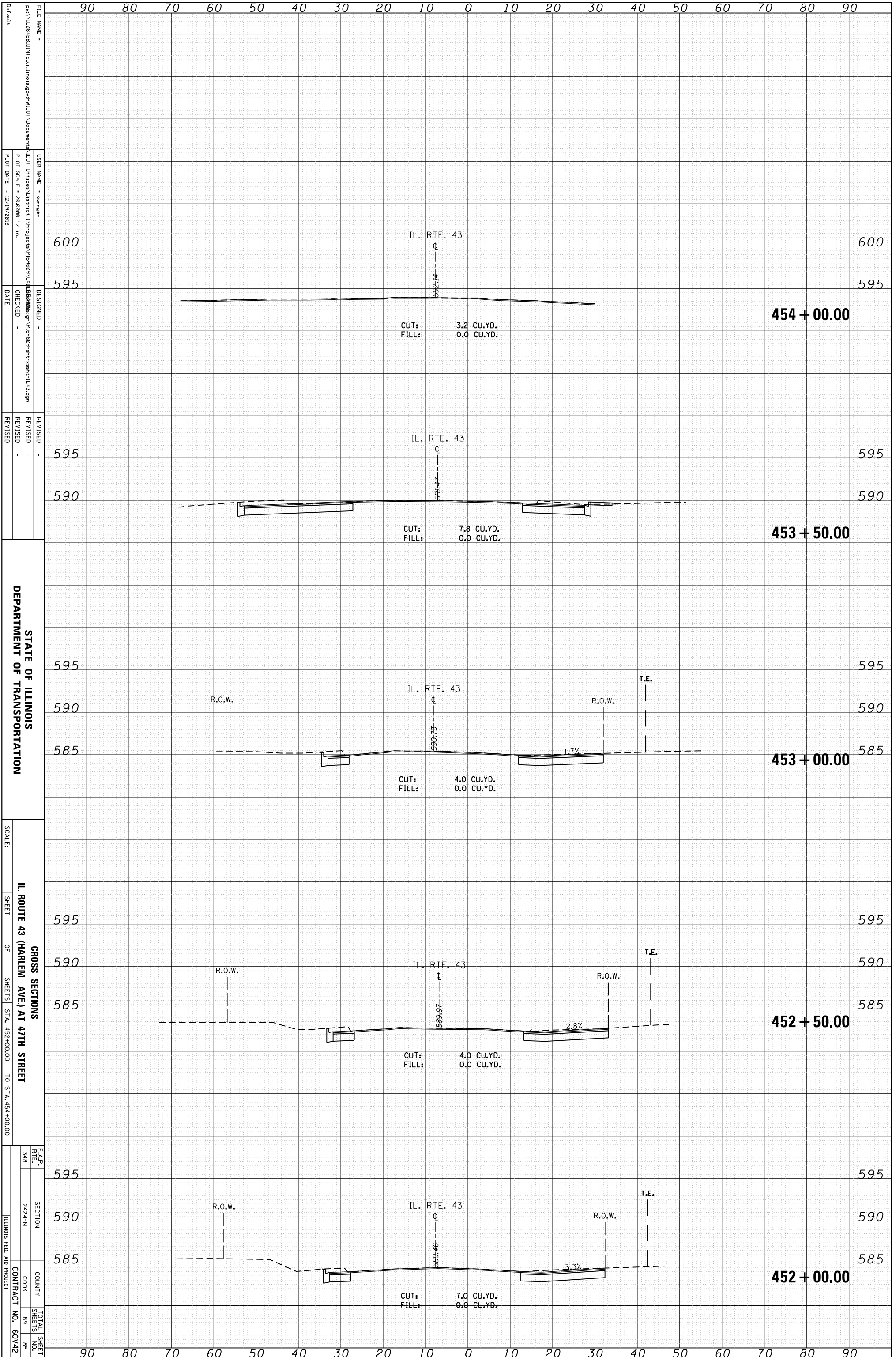
SCALE:
 SHEET
 OF SHEETS
 STA. 450+00.00 TO STA. 451+50.00

GROSS SECTIONS
 IL ROUTE 43 (HARLEM AVE.) AT 47TH STREET

F.A.P. RTE. 348
 SECTION 2424-N
 COUNTY COOK
 SHEETS 89
 TOTAL SHEET NO. 84
 ILLINOIS FED. AID PROJECT CONTRACT NO. 60V42

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

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



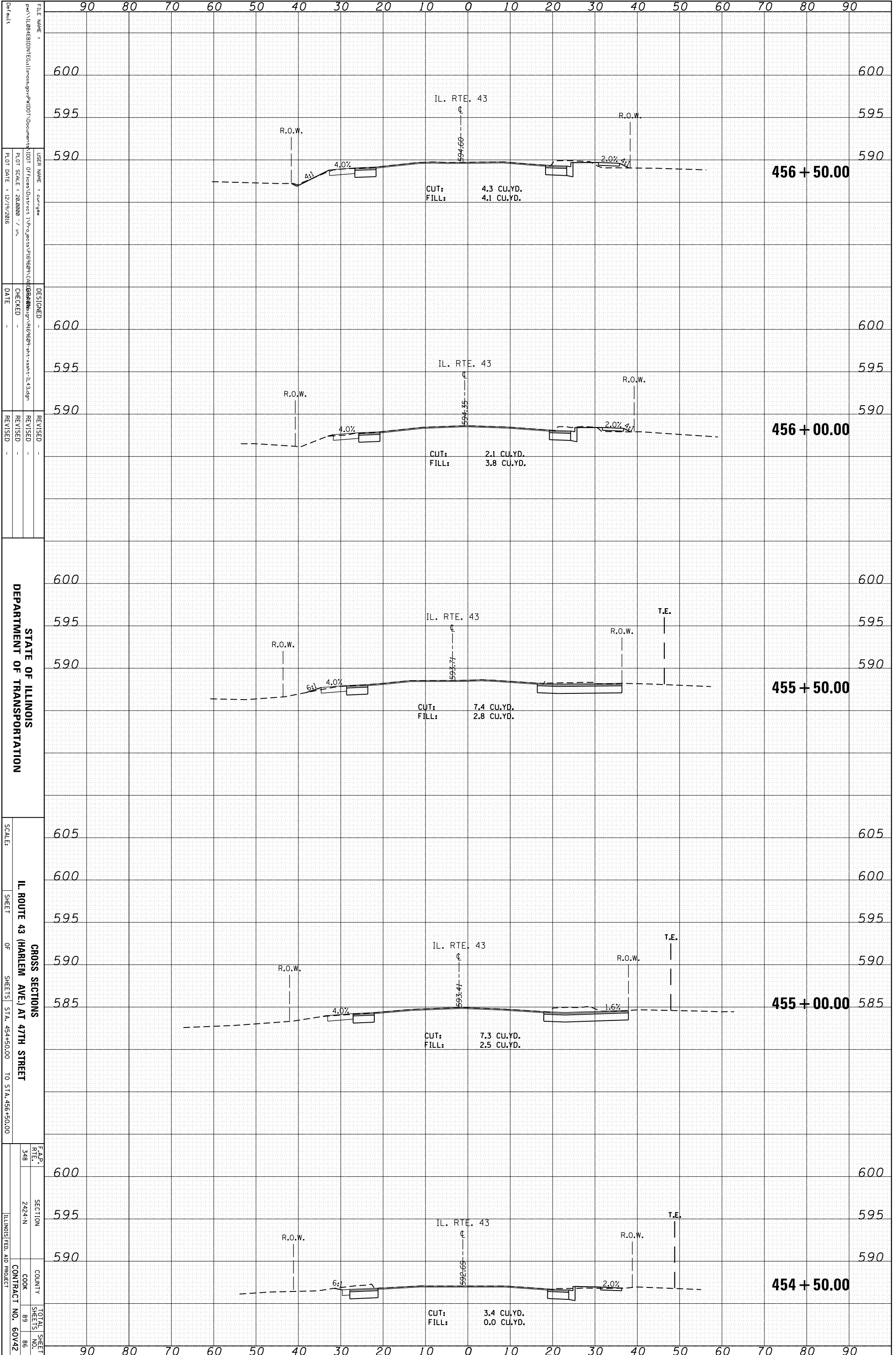
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 43 (HARLEM AVE.) AT 47TH STREET
GROSS SECTIONS
SHEETS STA. 452+00.00 TO STA. 454+00.00

F.A.P. RTE. 348	SECTION 2424-N	COUNTY COOK	TOTAL SHEETS 89
			SHEET NO. 85
			CONTRACT NO. 60V42
			ILLINOIS FED. AID PROJECT

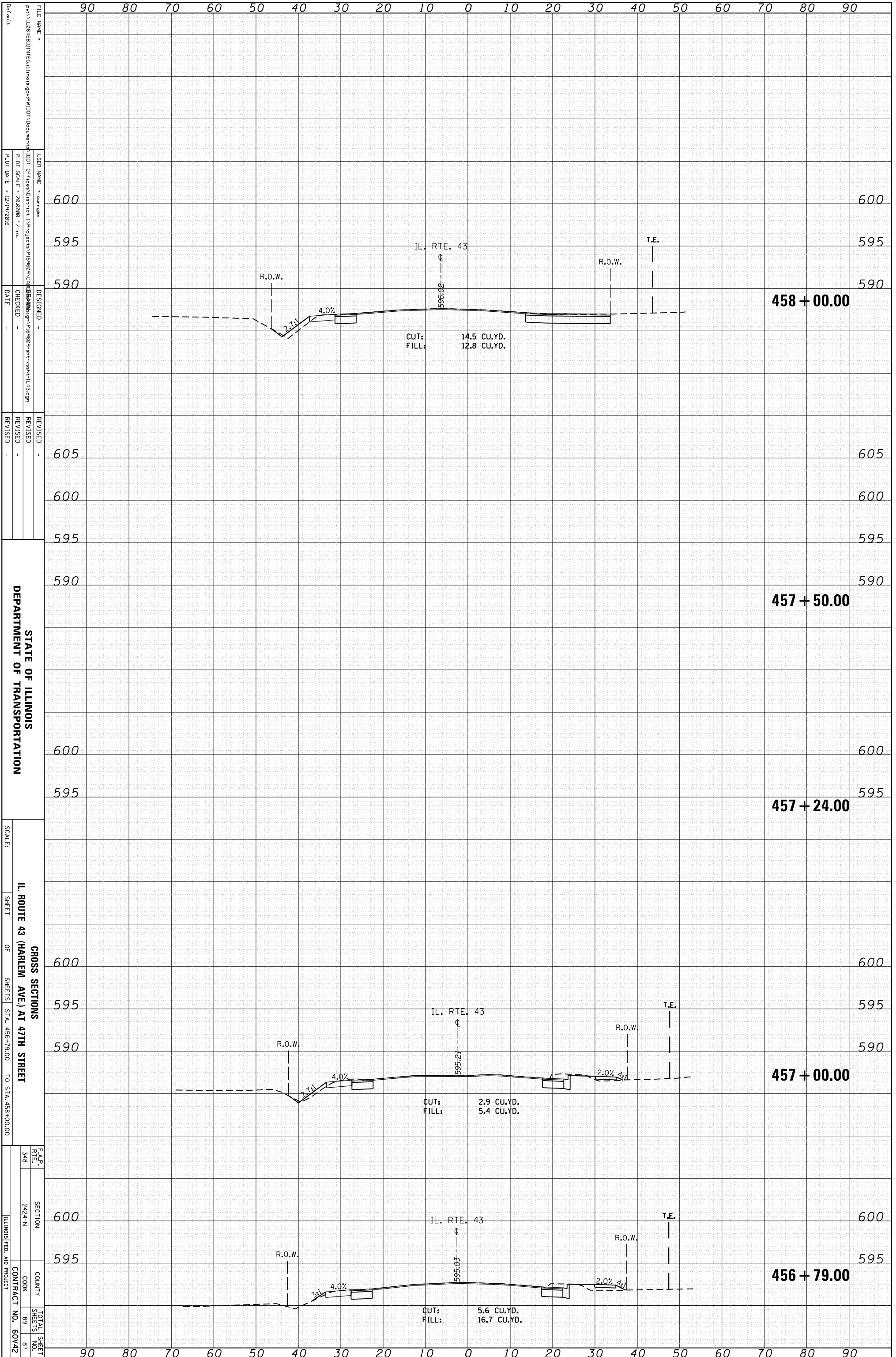
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	TEMPLATE		
	AREAS		
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FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		



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

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

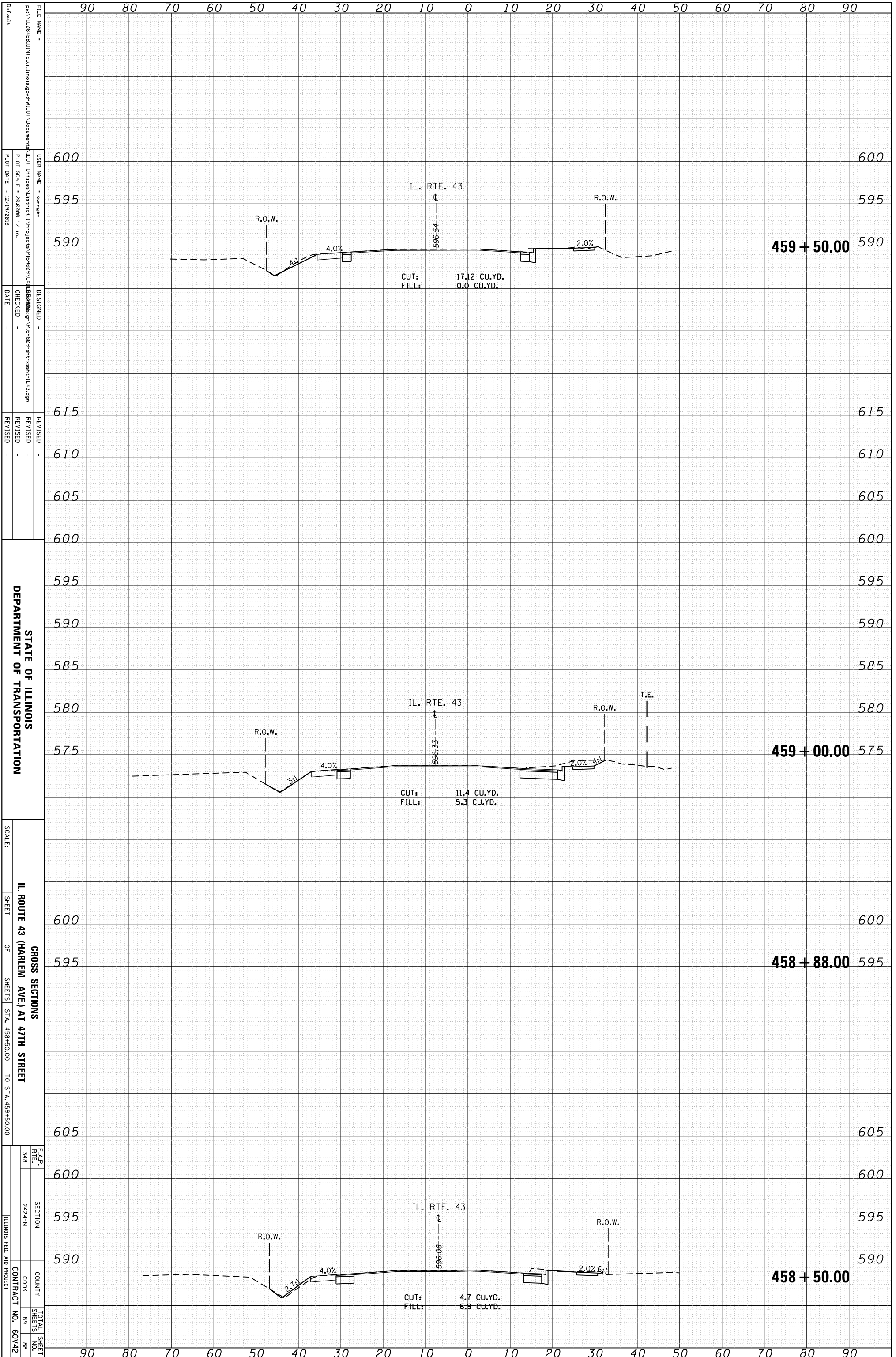
IL ROUTE 43 (HARLEM AVE.) AT 47TH STREET
GROSS SECTIONS
SHEETS STA. 456+79.00 TO STA. 458+00.00

F.A.P. RTE. 348	SECTION 2424-N	COUNTY COOK	TOTAL SHEETS 89
		CONTRACT NO. 60V42	

FILE NAME =	USER NAME = cur/gaw	DESIGNED =	REVISION
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Default	PLT DATE = 12/19/2016	DATE =	REVISION

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

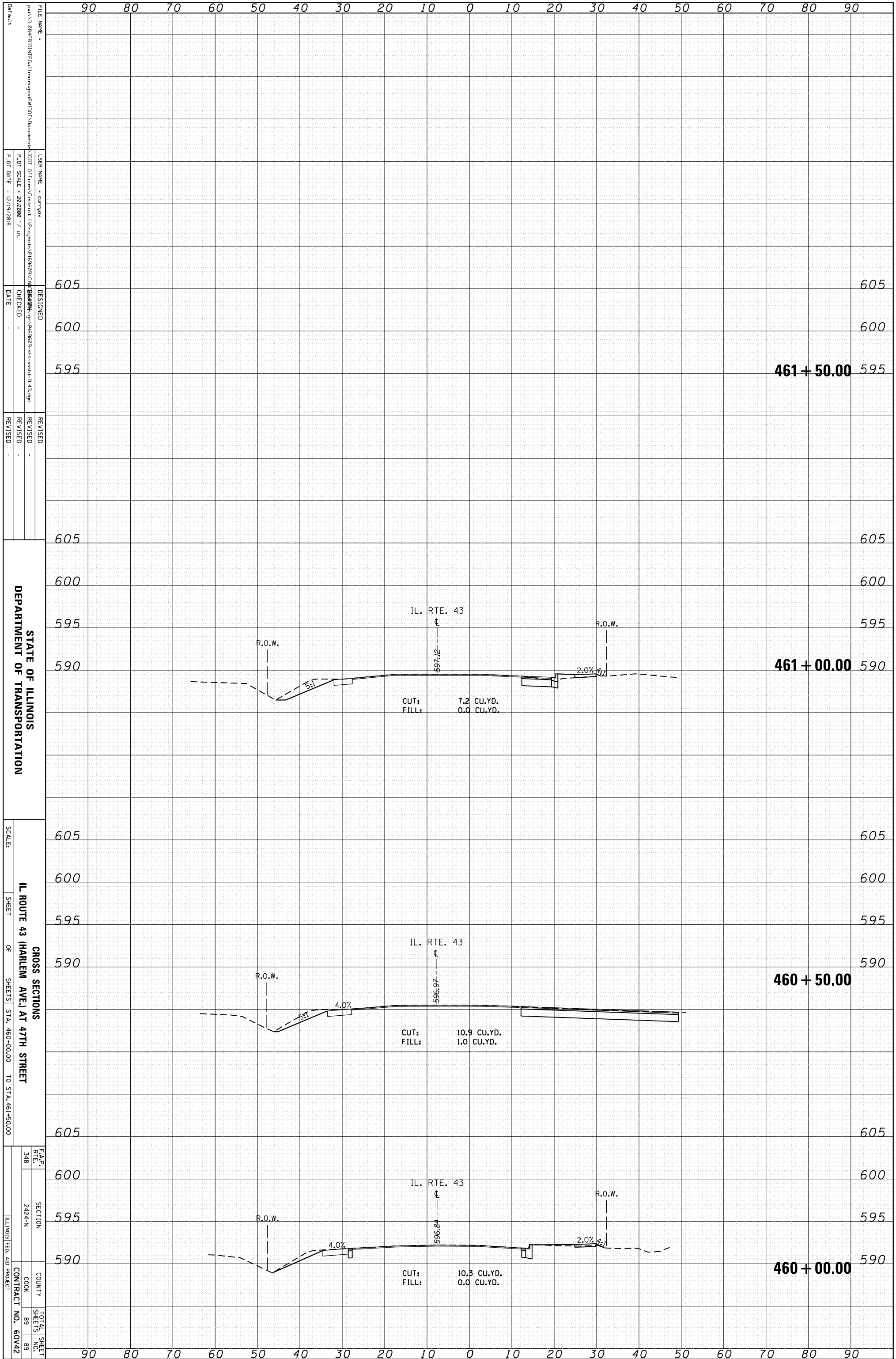
IL ROUTE 43 (HARLEM AVE.) AT 47TH STREET
GROSS SECTIONS
SHEETS OF SHEETS STA. 458+50.00 TO STA. 459+50.00

F.A.P. 348
SECTION 2424-N
COUNTY COOK
CONTRACT NO. 60V42
TOTAL SHEETS 89

FILE NAME: ...
USER NAME: ...
PLOT SCALE: 28,000 / in.
PLOT DATE: 12/19/2016
DESIGNED: ...
CHECKED: ...
DATE: ...
REVISIONS: ...

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

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



STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 IL ROUTE 43 (HARLEM AVE.) AT 47TH STREET
 SCALE: SHEET OF SHEETS STA. 460+00.00 TO STA. 461+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS
348	2424-N	COOK	89
		CONTRACT NO.	60V42
		ILLINOIS FED. AID PROJECT	