

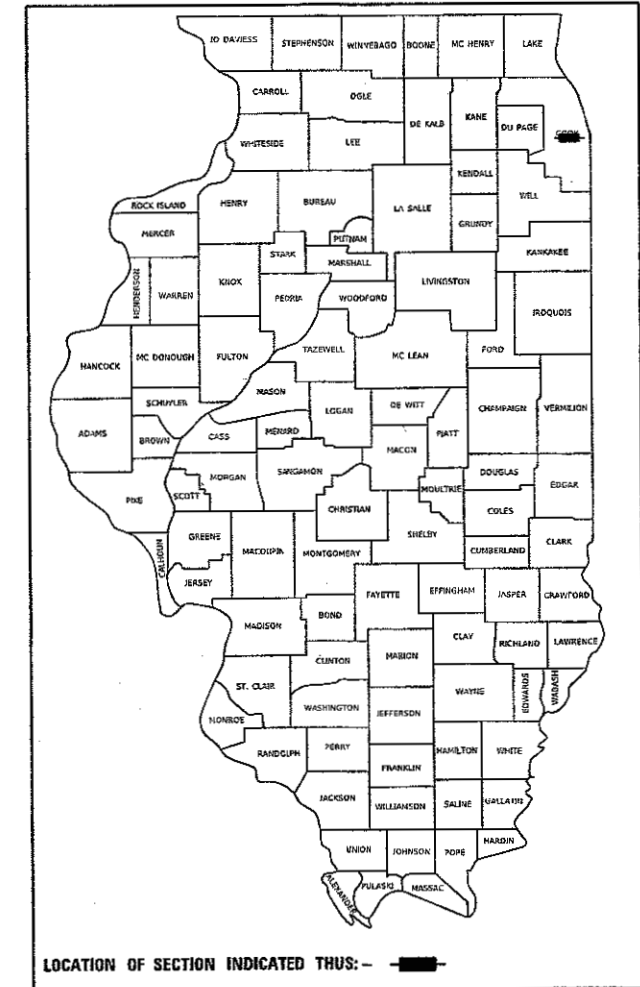
06-15-2018 LETTING ITEM 013

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2016-084RS	COOK	74	1
ILLINOIS			CONTRACT NO. 62D64	

\*74+2=76 TOTAL SHEETS

D-91-073-17



LOCATION OF SECTION INDICATED THUS: -

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT IS LOCATED IN THE VILLAGES OF  
HILLSIDE, WESTCHESTER, BROADVIEW, MAYWOOD  
AND FOREST PARK

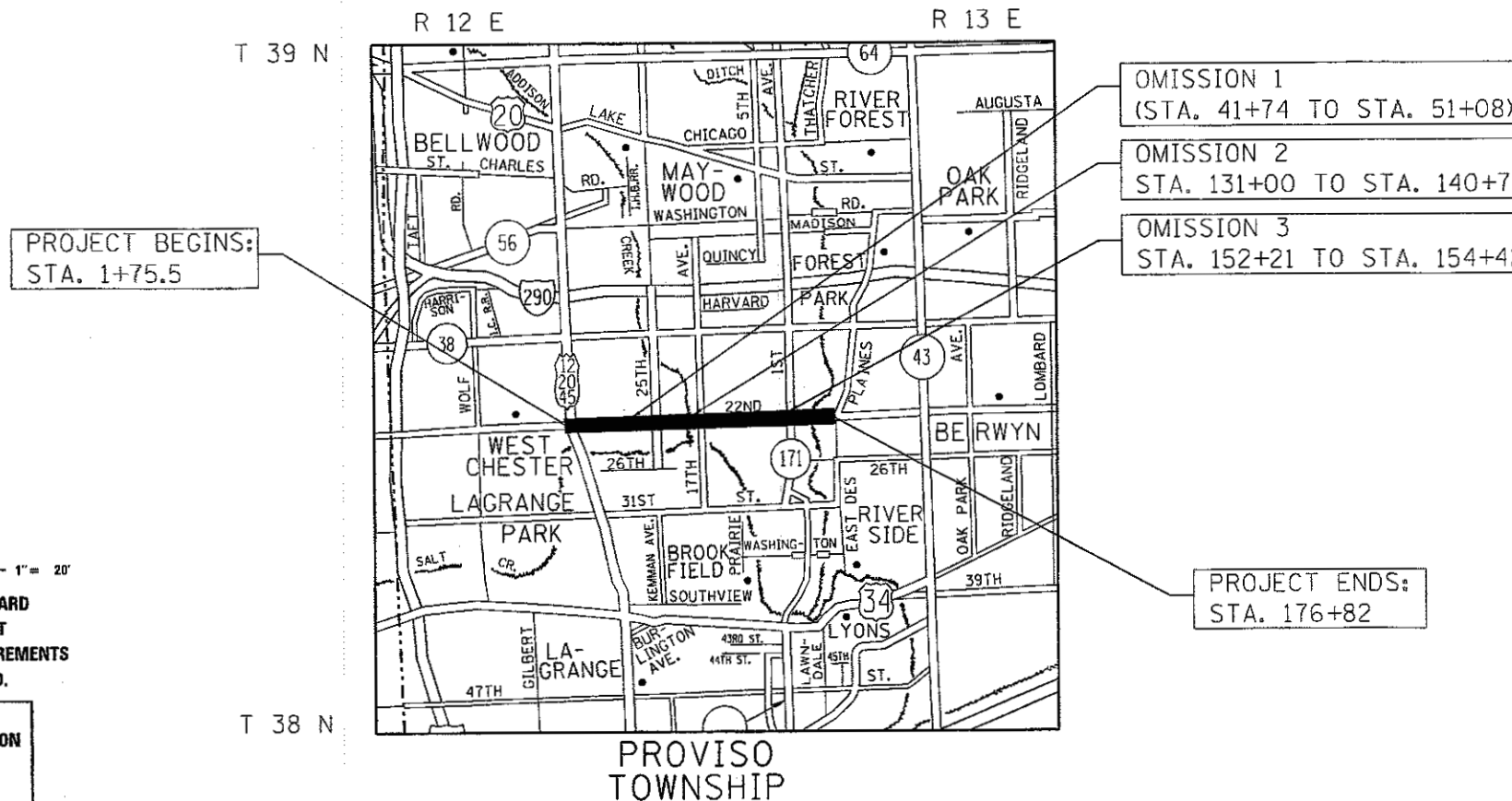
TRAFFIC DATA:  
2015 ADT: 28,700  
POSTED SPEED LIMIT: 30 MPH

DESIGN DESIGNATION:  
FAP 347 (ROOSEVELT ROAD): OTHER ARTERIAL

# PROPOSED HIGHWAY PLANS

FAP ROUTE 347 (ROOSEVELT RD.)  
US 12/20/45 (MANNHEIM RD.) TO DES PLAINES AVE.  
SECTION: 2016-084RS  
PROJECT: NHPP-TCS3(711)  
RESURFACING (3P), PEDESTRIAN RAMPS  
COOK COUNTY

C-91-073-17



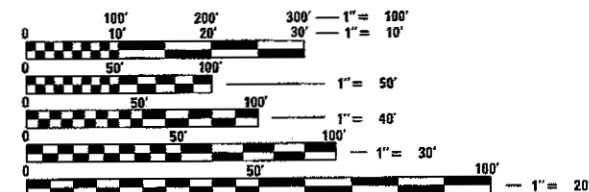
PROJECT BEGINS:  
STA. 1+75.5

OMISSION 1  
(STA. 41+74 TO STA. 51+08)

OMISSION 2  
STA. 131+00 TO STA. 140+71

OMISSION 3  
STA. 152+21 TO STA. 154+42

PROJECT ENDS:  
STA. 176+82



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

CONTRACT NO. 62D64

GROSS LENGTH = 17506.5 FT. = 3.32 MILE  
NET LENGTH = 15380.5 FT. = 2.91 MILE

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 20 2018  
*Anthony J. Quigley* / *AKB*  
REGIONAL ENGINEER

May 11 2018  
*Paul P. Ch...*  
ENGINEER OF DESIGN AND ENVIRONMENT

May 11 2018  
*Paul P. Ch...*  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION<sup>3</sup>

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

**INDEX OF SHEETS**

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, LIST OF STATE STANDARDS AND GENERAL NOTES
3-5	SUMMARY OF QUANTITIES
6-7	TYPICAL SECTIONS
8-13	PLAN AND PROFILE SHEETS
14-52B	SIDEWALK & RAMP DETAILS
53-58	DETECTOR LOOP REPLACEMENT PLAN
59	DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB <15' (BD-02)
60	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING (BD-8)
61	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22)
62	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT (BD-24)
63	BUTT JOINT AND HMA TAPER DETAILS (BD-32)
64	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)
65	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) (TC-11)
66	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)
67	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) (TC-14)
68	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING (TC-16)
69	ARTERIAL ROAD INFORMATION SIGN (TC-22)
70	TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING TREATMENT FOR RAILROAD CROSSINGS (TC-23)
71	DRIVEWAY ENTRANCE SIGNING (TC-26)
72-73	DISTRICT 1 - STANDARD TRAFFIC SIGNAL DESIGN DETAILS (SHEET 1-2 OF 7) (TS-05)
74	DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING (TS-07)

**STATE STANDARDS**

STANDARD NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001-09	PERPENDICULAR CURB RAMPS
424011-03	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424021-03	DEPRESSED CORNER FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
604001-04	FRAME AND LIDS TYPE 1
604086-03	FRAME AND GRATE TYPE 23
606001-06	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
606306-04	CORRUGATED PC CONCRETE MEDIANS
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24' (600 mm) FROM PAVEMENT EDGE
701427-05	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS <= 40 MPH
701602-08	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE

**STATE STANDARDS (CONTINUED)**

STANDARD NO.	DESCRIPTION
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701611-01	URBAN HALF ROAD CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-06	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
728001-01	TELESCOPING STEEL SIGN SUPPORT
814001-03	HANDHOLES

**GENERAL NOTES**

NOTE NO.	DESCRIPTION
1	BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION AT 8-1-1 OR (800) 892-0123 FOR FIELD LOCATION OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES (48 HOUR NOTIFICATION IS REQUIRED).
2	10 FEET TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER ITEMS OF WORK TO EXISTING CURBS AND GUTTERS AND CONDITIONS IN THE FIELD UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.
3	THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES ALL MUNICIPALITIES WITHIN THE PROJECT LIMITS
4	IN VARIOUS LOCATIONS THROUGHOUT THE PROJECT, EXISTING ASPHALT OVERLAYS THE EXISTING CONCRETE GUTTER FLAG. REMOVAL OF ASPHALT ON THE GUTTER FLAG SHALL BE INCLUDED IN THE UNIT COST OF HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2 INCH.
5	THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
6	SAW CUTTING OF PAVEMENTS, SIDEWALK, CURB & GUTTER, ETC. SHALL BE TO FULL DEPTH AND SHALL RESULT IN A CLEAN STRAIGHT EDGE ON THE PORTION REMAINING. ALL SAW CUTTING SHALL BE CONSIDERED INCLUDED IN THE COST OF THE ITEM REMOVED
7	DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS
8	THE CONTRACTOR SHALL USE CARE IN REMOVING OR EXCAVATING NEAR ALL EXISTING ITEMS WHICH WILL REMAIN. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
9	WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL, BETWEEN PASSES OF THE MILLING MACHING SHALL NOT EXCEED 1.5 INCHES WHERE THE SPEED LIMIT IS 40 MPH OR LESS, WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRAD DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF MILLING IS SLOPED A MINIMUM OF 1:3 (V:H)
10	UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURES AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS, OVERNIGHT CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING.
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. EXACT LOCATIONS OF ALL PAVEMENT MARKING SHALL BE AS DIRECTED BY THE ENGINEER.

**GENERAL NOTES (CONTINUED)**

NOTE NO.	DESCRIPTION
12	PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
13	THE CONTRACTOR SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS PRIOR TO BEGINNING WORK
14	THE RESIDENT ENGINEER SHALL CONTACT THE AREA TRAFFIC FIELD ENGINEER, PATRICE HARRIS AT PATRICE.HARRIS@ILLINOIS.GOV AT LEAST TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
15	LOCATIONS OF PAVEMENT PATCHING AND CURB AND GUTTER REMOVAL AND REPLACEMENT WILL BE AS DETERMINED BY THE ENGINEER.
16	BUTT JOINTS WILL BE INSTALLED AT THE END OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE THE "BUTT JOINT AND HMA TAPER DETAILS" INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED
17	MATCH EXISTING PAVEMENT AT THE PROJECT LIMITS.
18	ALL DAMAMGE TO EXISTING PAVEMENT MARKINGS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.
19	THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING OWNERS OF ALL UTILITIES PRIOR TO CONSTRUCTION TO DETERMINE THE LOCATION OF ALL UTILITY EQUIPMENT. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS IF UTILITY RELOCATION, ADJUSTMENT, OR PROTECTION IS NECESSARY
20	THE LOCATION OF EXISTING DRAINAGE STRUCTURES, STORM SEWERS, WATER MAINS, SANITARY SEWERS, AND ANY OTHER PUBLIC OR PRIVATE UTILITIES AS SHOWN ON THE PLANS IS APPROXIMATE AND THEIR EXACT LOCATION IS TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
21	THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND AND SURFACE UTILITES EVEN THOUGH THEY MIGHT NOT BE SHOWN ON THE PLANS IS APPROXIMATE AND THEIR EXACT LOCATION IS TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
22	ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WILL NOT BE PAID FOR SEPERATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.
23	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 ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPERATE PAY ITEM HAS BEEN PROVIDED.
24	FOR WORK OUTSIDE THE LIMITS OF THE BRIDGE APPROACH PAVEMENT, ALL REFERENCES IN THE HIGHWAY STANDARDS AND STANDARD SPECIFICATIONS FOR REINFORCEMENT, DOWEL BARS AND TIE BARS IN PAVEMENT, SHOULDERS, CURB, GUTTER, COMBINATION CURB AND GUTTER AND MEDIAN, AND CHAIR SUPPORTS FOR CRC PAVEMENT, SHALL BE EPOXY COATED

FILE NAME =	USER NAME = curryw	DESIGNED -	REVISED - 4-27-2018 A.C.	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>FAP 347 (ROOSEVELT ROAD) MANNHEIM RD. TO DES PLANES INDEX OF SHEETS, STATE STANDARDS &amp; GENERAL NOTES</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pc:\l\084EBIDINTEG.illinois.gov\p\1007\Documents\DOT Offices\District 1\Projects\0107317\Design\0107317-aht-gennote.dwg	PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -			347	2016-084RS	COOK	74	2	
Default	PLOT DATE = 4/27/2018	DATE -	REVISED -			CONTRACT NO. 62064					
						SCALE:	SHEET	OF	SHEETS	STA.	TO

URBAN

URBAN

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	80% FED 20% STATE 0005	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT							
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	40	40					
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	40	40					
20200100	EARTH EXCAVATION	CU YD	199	199					
30800150	TRENCH BACKFILL	CU YD	10	10					
21101625	TOPSOIL FURNISH AND PLACE, 6"	SO YD	713	713					
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	14	14					
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	14	14					
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	14	14					
25200110	SODDING, SALT TOLERANT	SO YD	713	713					
25200200	SUPPLEMENTAL WATERING	UNIT	33	33					
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	4	4					
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SO YD	92	92					
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	71254	71254					
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	157	157					
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), 1L-4.75, N50	TON	4433	4433					
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	281	281					

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	80% FED 20% STATE 0005	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT							
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	327	327					
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	11	11					
40603565	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70	TON	10345	10345					
42001300	PROTECTIVE COAT	SO YD	3323	3323					
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	24411	24411					
42400800	DETECTABLE WARNINGS	SO FT	1450	1450					
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SO YD	105561	105561					
44000200	DRIVEWAY PAVEMENT REMOVAL	SO YD	92	92					
44000600	SIDEWALK REMOVAL	SO FT	24826	24826					
44002216	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 4"	SO YD	1460	1460					
44201761	CLASS D PATCHES, TYPE I, 10 INCH	SO YD	17	17					
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SO YD	769	769					
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SO YD	148	148					* = SPECIALTY ITEMS

FILE NAME =	USER NAME = curjow	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>				F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Offices\District N\Projects\01073\PCAD\Date\Design\01073	Checked -	REVISED -	347						2016-084RS	COOK	74	3	
PLOT SCALE = 1000000' / 1in.	CHECKED -	REVISED -	CONTRACT NO. 62064										
PLOT DATE = 3/22/2018	DATE -	REVISED -	SCALE:						SHEET NO.	OF	SHEETS	STA.	TO STA.

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SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FED 20% STATE 0005			
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SO YD	343	343			
550A0D50	STORM SEWERS CLASS A, TYPE 1, 12"	FT	83	83			
60253000	CATCH BASINS TO BE RECONSTRUCTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	1	1			
60255800	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	2	2			
60258100	MANHOLES TO BE RECONSTRUCTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	1	1			
60261540	INLETS TO BE ADJUSTED W/NEW TYPE 24 F&G	EACH	2	2			
60262700	INLETS TO BE RECONSTRUCTED	EACH	2	2			
60266600	VALVE BOXES TO BE ADJUSTED	EACH	9	9			
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	3	3			
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	27	27			
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	all	all			
* 66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1	1			
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	15	15			
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12			
67100100	MOBILIZATION	LSUM	1	1			
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1			

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FED 20% STATE 0005			
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1			
70102634	TRAFFIC CONTROL AND PROTECTION, STANDARD 701611	L SUM	1	1			
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	LSUM	1	1			
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	LSUM	1	1			
70300100	SHORT TERM PAVEMENT MARKING	FOOT	11786	11786			
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	3929	3929			
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SO FT	871	871			
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	62708	62708			
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	10589	10589			
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	908	908			
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	674	674			
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	5893	5893			
* 72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	4	4			

\* = SPECIALTY ITEMS

FILE NAME = USER NAME = *aurypw* DESIGNED - REVISION -  
 PLOT SCALE = 100,000' / 1" CHECKED - REVISION -  
 PLOT DATE = 3/22/2018 DATE - REVISION -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

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

F.A.P. RTE. 347 SECTION 2016-084RS COUNTY COOK TOTAL SHEETS 74 SHEET NO. 4  
 FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CONTRACT NO. 62064

13

13

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SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FED 20% STATE 0005				
* 72400310	REMOVE SIGN PANEL - TYPE 1	SO FT	81	81				
* 72400600	RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	4	4				
* 72400710	RELOCATE SIGN PANEL - TYPE 1	SO FT	81	81				
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	871	871				
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	62708	62708				
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	10589	10589				
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	908	908				
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	674	674				
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1573	1573				
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1573	1573				
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	8	8				
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	2253	2253				

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FED 20% STATE 0005				
* 89500400	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	27	27				
89502376	REBUILD EXISTING HANDHOLE	EACH	25	25				
X0320050	CONSTRUCTION LAYOUT (SPECIAL)	LSUM	1	1				
X0327611	REMOVE AND REINSTALL BRICK PAVER	SO FT	51	51				
X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	272	272				
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	178	178				
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SO FT	28653	28653				
X8950205	REBUILD EXISTING HANDHOLE, SPECIAL	EACH	1	1				
Z0004562	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	4726	4726				
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	50	50				
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	52	52				
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	LSUM	1	1				
* Z0064800	SELECTIVE CLEARING	UNIT	2	2				
W0208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	EACH	1	1				
Z0070600	TRAINEES	HR	500	500				Ø = 0042
Z0070604	TRAINEES TRAINING PROGRAM GRADUATE	HR	500	500				* = SPECIALTY ITEMS □ = 100% STATE

FILE NAME =	USER NAME = curryw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>			F.A.P. RTE. 347	SECTION 2016-084RS	COUNTY COOK	TOTAL SHEETS 74	SHEET NO. 5
PLOT SCALE = 1/8" = 100.0000'		CHECKED -	REVISED -					SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	CONTRACT NO. 62064	
PLOT DATE = 3/22/2018		DATE -	REVISED -		FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT							

12

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## HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS (%) @ Ndes	OMP
-PAVEMENT RESURFACING-		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70 IL-9.5MM	4.0% @ 70 GYR.	PFP
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75 N50	3.5% @ 50 GYR.	QCP
-DRIVEWAYS-		
HMA SURFACE COURSE, MIX D, N50 (IL 9.5 mm); 2"	4% @ 50 GYR.	QC/QA
HMA BASE COURSE (HMA BINDER IL-19 mm); PE - 6", CE - 8"	4% @ 50 GYR.	QC/QA
-PATCHING-		
CLASS D PATCH (HMA BINDER IL-19 mm)	4% @ 70 GYR.	QC/QA
HMA REPLACEMENT OVER PATCHES (HMA BINDER IL-19 mm)	4% @ 70 GYR.	QC/QA
OMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (QCP)		

**NOTES:**

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

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

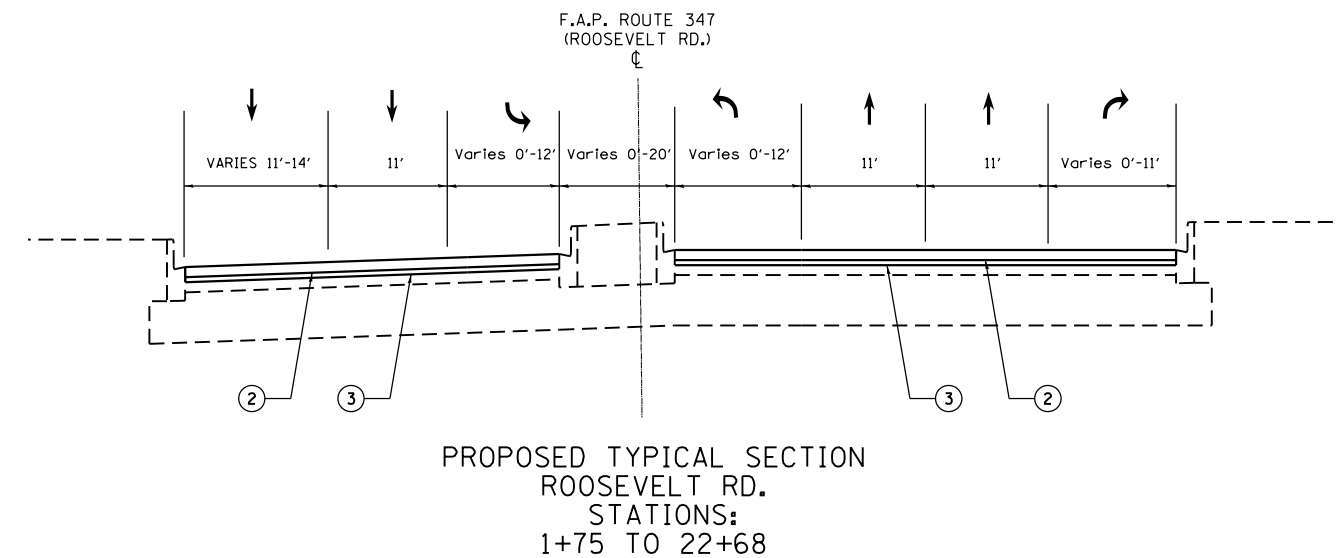
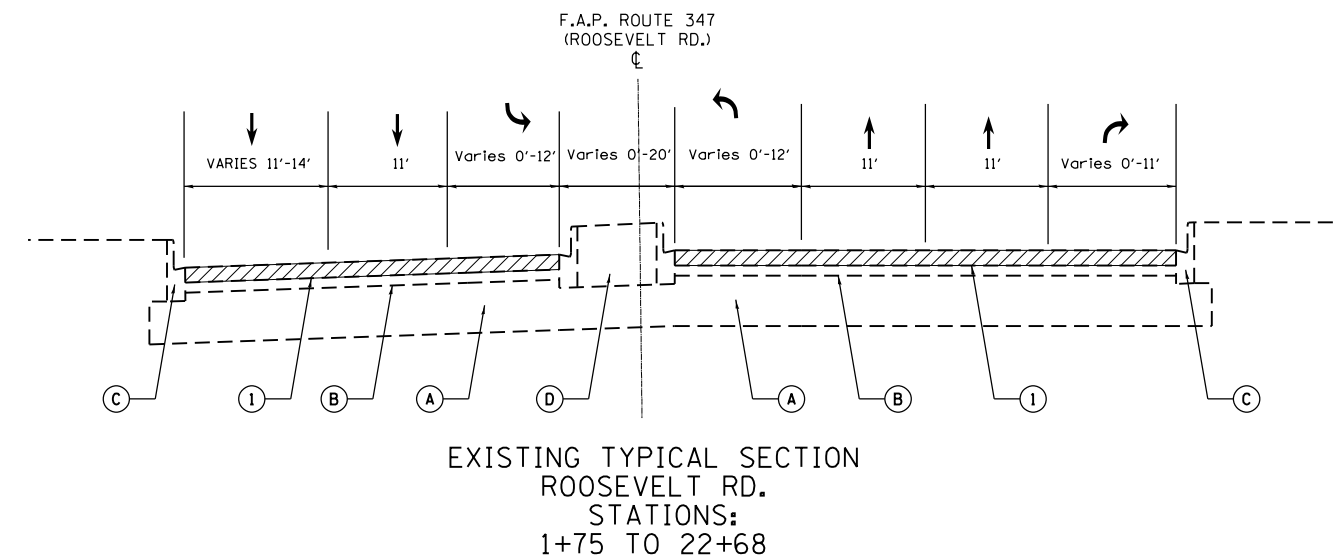
PATCHING SHALL BE DONE PRIOR TO MILLING

LEGEND (EXISTING)

- Ⓐ EXIST. P.C. CONCRETE PAVEMENT , ± 10"
- Ⓑ EXIST. HOT-MIX ASPHALT (BEFORE MILLING), ± 4"
- Ⓒ EXIST. CONCRETE CURB AND GUTTER TYP B-6. 12
- Ⓓ EXISTING PC CONCRETE MEDIAN

LEGEND (PROPOSED)

- ① PROP. HOT-MIX ASPHALT SURFACE REMOVAL - 2 1/2"
- ② PROP. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 1 3/4"
- ③ PROP. POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, 3/4"

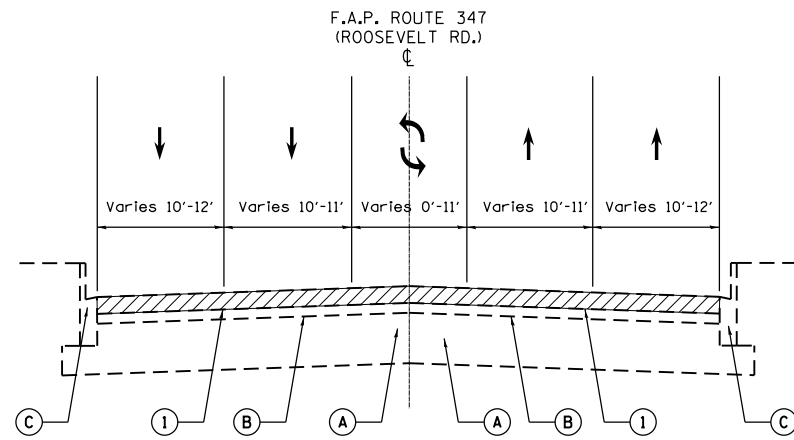


LEGEND (EXISTING)

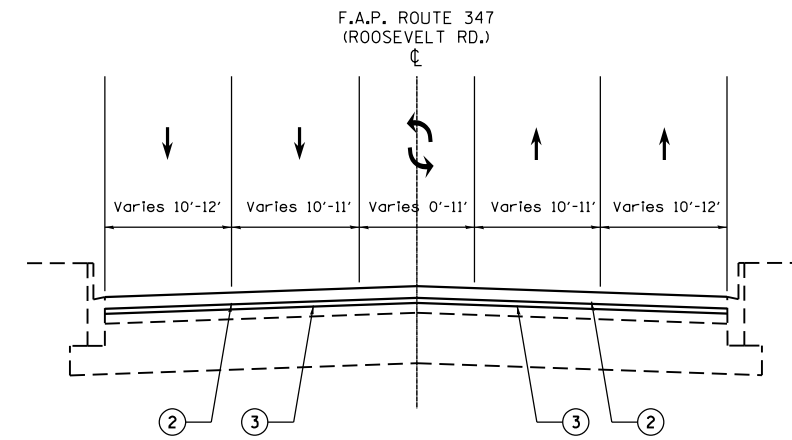
- Ⓐ EXIST. P.C. CONCRETE PAVEMENT , ± 10''
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LEGEND (PROPOSED)

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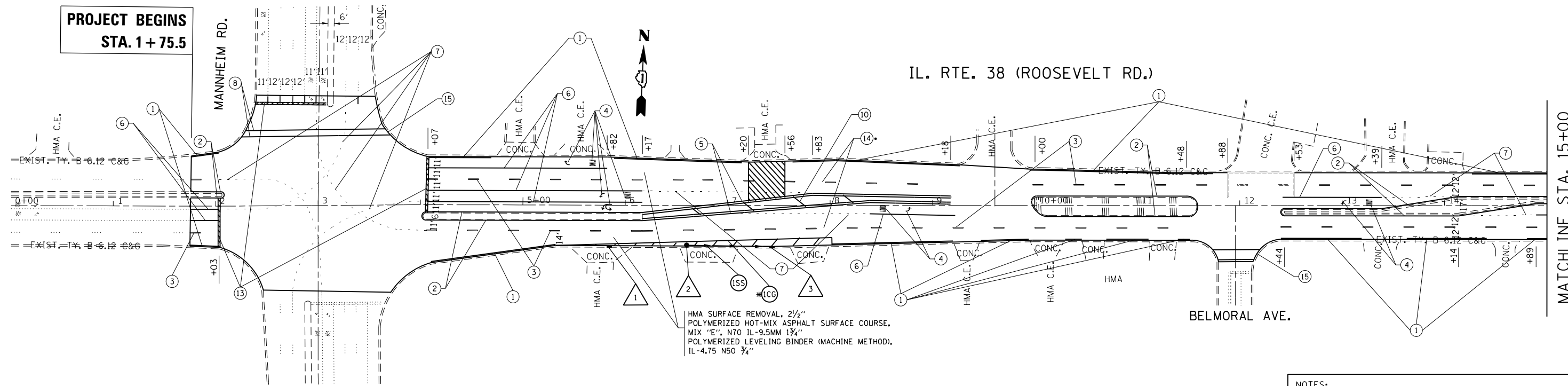
EXISTING TYPICAL SECTION  
ROOSEVELT RD.  
STATIONS:  
22+68 TO 41+74  
51+08 TO 131+00  
140+71 TO 152+21  
154+42 TO 176+82



EXISTING TYPICAL SECTION  
ROOSEVELT RD.  
STATIONS:  
22+68 TO 41+74  
51+08 TO 131+00  
140+71 TO 152+21  
154+42 TO 176+82

FILE NAME =	USER NAME = curryw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>FAP 347 ROOSEVELT ROAD - MANNHEIM ROAD TO DESPLAINES ROAD TYPICAL SECTIONS</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pwz\VL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT_Offices\District 1\Projects\107317\CADD\Drawings\7-shr-typical.dgn	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -					347	2016-084RS	COOK	74	7
Default	PLOT DATE = 3/16/2018	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 62D64				
							ILLINOIS FED. AID PROJECT					

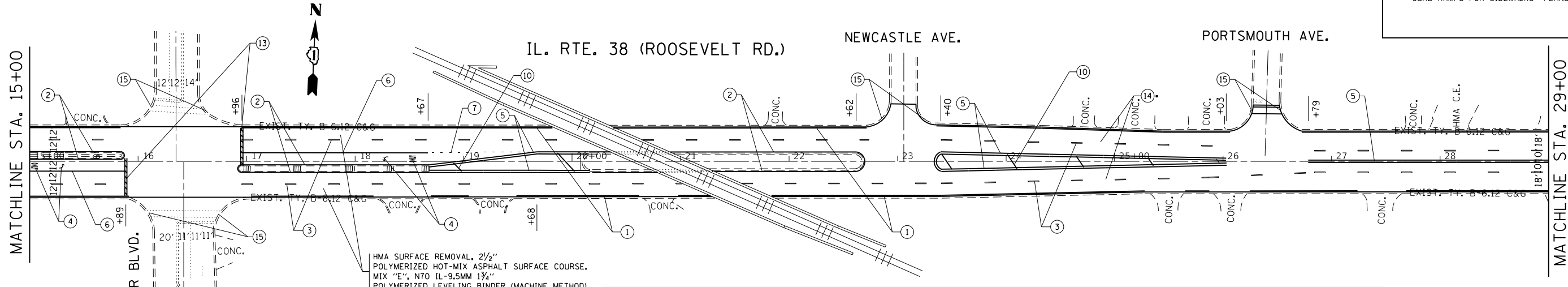
**PROJECT BEGINS  
STA. 1 + 75.5**



- |  |  |  |
|--|--|--|
| ① THERMOPLASTIC PVMT. MARKING 4", LINE, WHITE (TYP.)                 | ⑦ THERMOPLASTIC PVMT. MARKING 6", 2' LINE - 6' SPACE, WHITE (TYP.)                                     | ⑫ THERMOPLASTIC PVMT. MARKING 12", CROSSWALK-SCHOOL, WHITE (TYP.)<br>- SEE DISTRICT DETAIL TC-13 FOR SPACING |
| ② THERMOPLASTIC PVMT. MARKING 4", LINE, YELLOW (TYP.)                | ⑧ THERMOPLASTIC PVMT. MARKING 6", CROSSWALK-PEDESTRIAN, WHITE (TYP.)                                   | ⑬ THERMOPLASTIC PVMT. MARKING 24", STOP BAR, WHITE (TYP.)  |
| ③ THERMOPLASTIC PVMT. MARKING 4", 10' LINE - 30' SPACE, WHITE (TYP.) | ⑨ THERMOPLASTIC PVMT. MARKING 8", LINE, WHITE (TYP.)   | ⑭ RAISED REFLECTIVE PAVEMENT MARKER (TYP.)   |
| ④ THERMOPLASTIC PVMT. MARKING, LETTERS & SYMBOLS, WHITE (TYP.)       | ⑩ THERMOPLASTIC PVMT. MARKING 12", DIAGONALS, YELLOW (TYP.)<br>- SEE DISTRICT DETAIL TC-13 FOR SPACING | ⑮ ADA RAMP IMPROVEMENT LOCATION  |
| ⑤ THERMOPLASTIC PVMT. MARKING 4", DOUBLE YELLOW (TYP.)               | ⑪ THERMOPLASTIC PVMT. MARKING 12", DIAGONALS, WHITE (TYP.)<br>- SEE DISTRICT DETAIL TC-13 FOR SPACING  |  |
| ⑥ THERMOPLASTIC PVMT. MARKING 6", LINE, WHITE (TYP.)                 |  |  |

**NOTES:**

- LIMIT OF RESURFACING ON THE SIDE-STREETS THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER / TECHNICIAN.
- ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKINGS (OF THE EXTRUDED TYPE).
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- ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH TC-11 "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" STANDARD DETAIL.
- FOR PROPOSED CURB RAMP IMPROVEMENTS SEE "CURB RAMP FOR SIDEWALKS" PLANS.



HMA SURFACE REMOVAL, 2 1/2"  
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE,  
MIX "E", N70 IL-9.5MM 1 3/4"  
POLYMERIZED LEVELING BINDER (MACHINE METHOD),  
IL-4.75 N50 3/4"

DRAINAGE TABLE

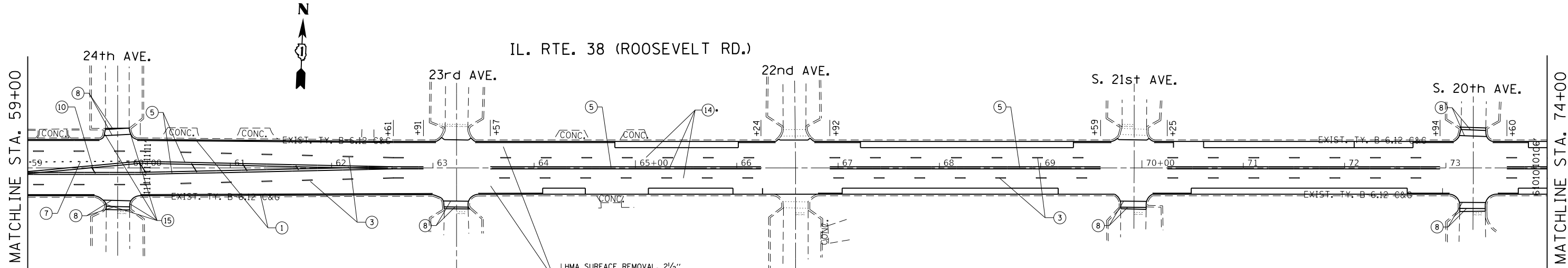
① EXISTING INLET (TO BE ADJ.) NEW TYPE 24 F&G STA 5+84.1, 41' RT RIM 626.6 INV. 622.9 E	③ EXIST. INLET STA 7+43, 41' RT RIM 627.3 INV. 624.0	* (CC) PROP. COMBINATION CONC CURB + GUTTER REMOVAL + REPLACEMENT STA. 5+75 TO STA. 7+50 (RT)
② PROP. C.B., TYPE C, TYPE 24 F&G STA 6+60, 41' RT RIM 626.9 INV. 624.4	(ISS) PROP. STORM SEWER, CLASS A, TYPE 1, 12", 83' TRENCH BACKFILL = 10 CUBIC YARDS	

**NOTES CONTINUED:**

- DRAINAGE CLEANING LOCATIONS SHALL BE DETERMINED BY THE ENGINEER WITH SPECIAL ATTENTION TO BE PAID TO LOCATIONS BETWEEN STATIONS 15+00 AND 29+00 WHERE FLOODING HAS BEEN REPORTED



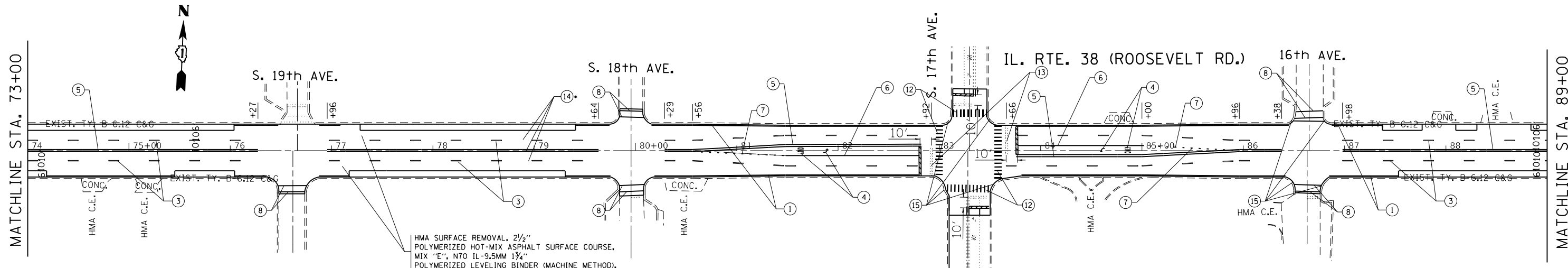




HMA SURFACE REMOVAL, 2 1/2"  
 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE,  
 MIX "E", N70 IL-9.5MM 1 3/4"  
 POLYMERIZED LEVELING BINDER (MACHINE METHOD),  
 IL-4.75 N50 3/4"

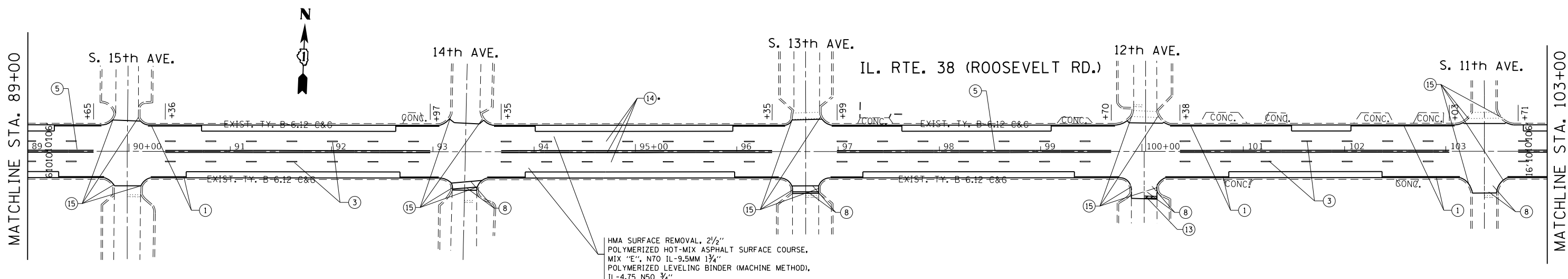
- |  |  |  |
|--|--|--|
| ① THERMOPLASTIC PVMT. MARKING 4", LINE, WHITE (TYP.)                 | ⑦ THERMOPLASTIC PVMT. MARKING 6", 2' LINE - 6' SPACE, WHITE (TYP.)                                     | ⑫ THERMOPLASTIC PVMT. MARKING 12", CROSSWALK-SCHOOL, WHITE (TYP.)<br>- SEE DISTRICT DETAIL TC-13 FOR SPACING |
| ② THERMOPLASTIC PVMT. MARKING 4", LINE, YELLOW (TYP.)                | ⑧ THERMOPLASTIC PVMT. MARKING 6", CROSSWALK-PEDESTRIAN, WHITE (TYP.)                                   | ⑬ THERMOPLASTIC PVMT. MARKING 24", STOP BAR, WHITE (TYP.)  |
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- NOTES:
- 1) LIMIT OF RESURFACING ON THE SIDE- STREETS THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER / TECHNICIAN.
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  - 5) FOR PROPOSED CURB RAMP IMPROVEMENTS SEE "CURB RAMP FOR SIDEWALKS" PLANS.



HMA SURFACE REMOVAL, 2 1/2"  
 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE,  
 MIX "E", N70 IL-9.5MM 1 3/4"  
 POLYMERIZED LEVELING BINDER (MACHINE METHOD),  
 IL-4.75 N50 3/4"

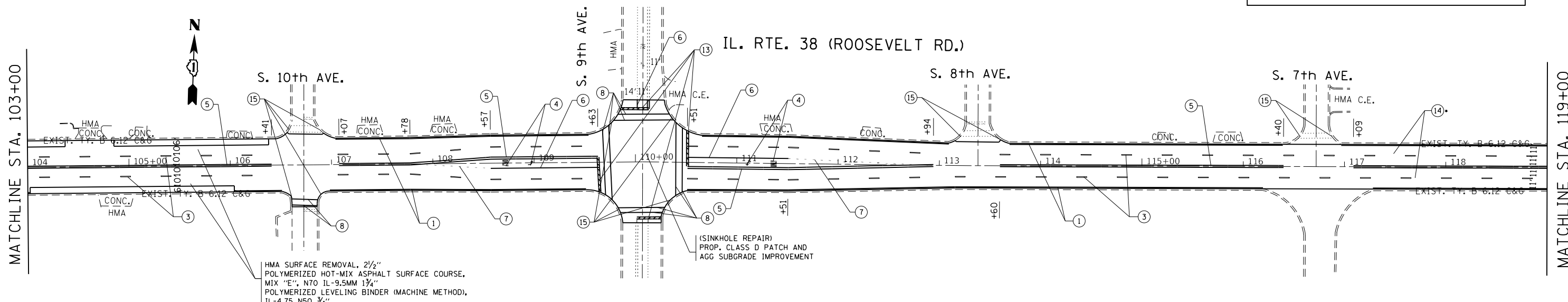
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 MIX "E", N70 IL-9.5MM 1 3/4"  
 POLYMERIZED LEVELING BINDER (MACHINE METHOD),  
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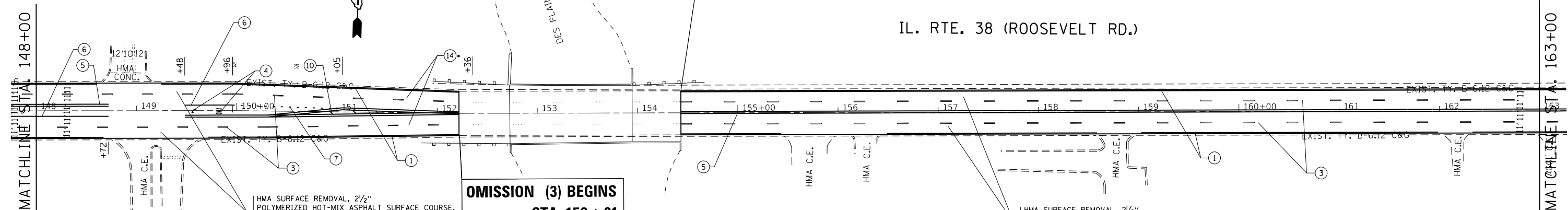


(SINKHOLE REPAIR)  
 PROP. CLASS D PATCH AND  
 AGG SUBGRADE IMPROVEMENT

HMA SURFACE REMOVAL, 2 1/2"  
 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE,  
 MIX "E", N70 IL-9.5MM 1 3/4"  
 POLYMERIZED LEVELING BINDER (MACHINE METHOD),  
 IL-4.75 N50 3/4"

- NOTES CONTINUED:
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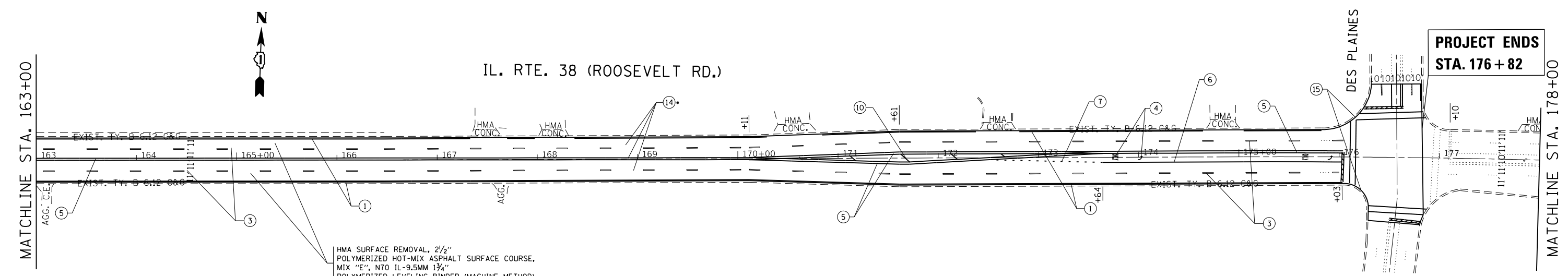


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MIX "E", N70 IL-9.5MM 1 3/4"  
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POLYMERIZED LEVELING BINDER (MACHINE METHOD),  
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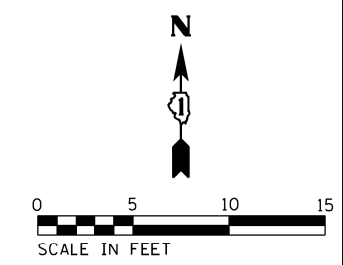
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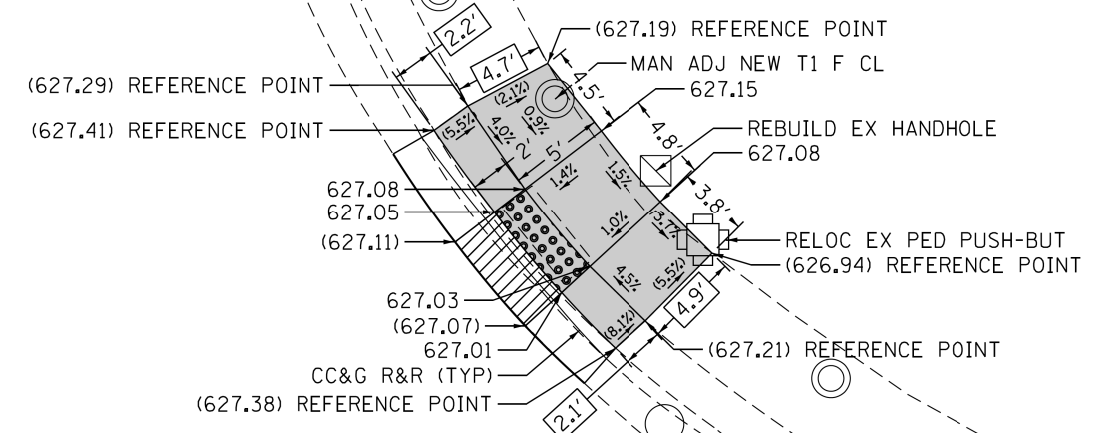
HMA SURFACE REMOVAL, 2 1/2"  
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE,  
MIX "E", N70 IL-9.5MM 1 3/4"  
POLYMERIZED LEVELING BINDER (MACHINE METHOD),  
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- NOTES CONTINUED:
- DRAINAGE CLEANING LOCATIONS SHALL BE DETERMINED BY THE ENGINEER WITH SPECIAL ATTENTION TO BE PAID TO LOCATIONS BETWEEN STATIONS 15+00 AND 29+00 WHERE FLOODING HAS BEEN REPORTED

FILE NAME =	USER NAME = curryw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ROADWAY PLAN ROOSEVELT RD. MANNHEIM RD. TO DES PLAINES AVE.</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL04EB\INTEG\Illinois.gov\PWIDOT\Documents\DOT Offices\District 11\Projects\107317\CADData\Design\107317-DRW		CHECKED -	REVISED -			347	2016-084RS	COOK	74	13
PLOT SCALE = 100,0000' / in.		DATE -	REVISED -			CONTRACT NO. 62D64				
PLOT DATE = 3/16/2018						ILLINOIS FED. AID PROJECT				
Default				SCALE: 1"=50'	SHEET OF SHEETS	STA. 148+00	TO STA. 178+00			



US 45



W ROOSEVELT RD

NOTE:  
REFER TO ROADWAY AND PAVEMENT MARKING  
PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK BM-01  
BENCHMARK : SQ. NW TS  
LOCATION : ON NE COR OF W ROOSEVELT RD AND US45

**LEGEND**

- XX.X' EXISTING LENGTH
- ( ) EXISTING ELEVATION/SLOPE
- PC CONC SIDEWALK 5
- DEPRESSED CURB & GUTTER
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS  
W ROOSEVELT RD AT US 45

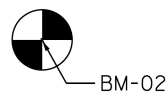
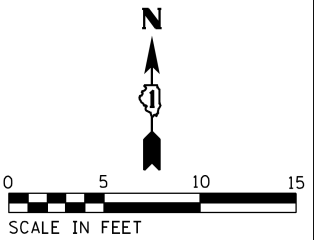
SCALE: 1" = 5' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2016-084RS	COOK	74	14
CONTRACT NO. 62064				
ILLINOIS FED. AID PROJECT				

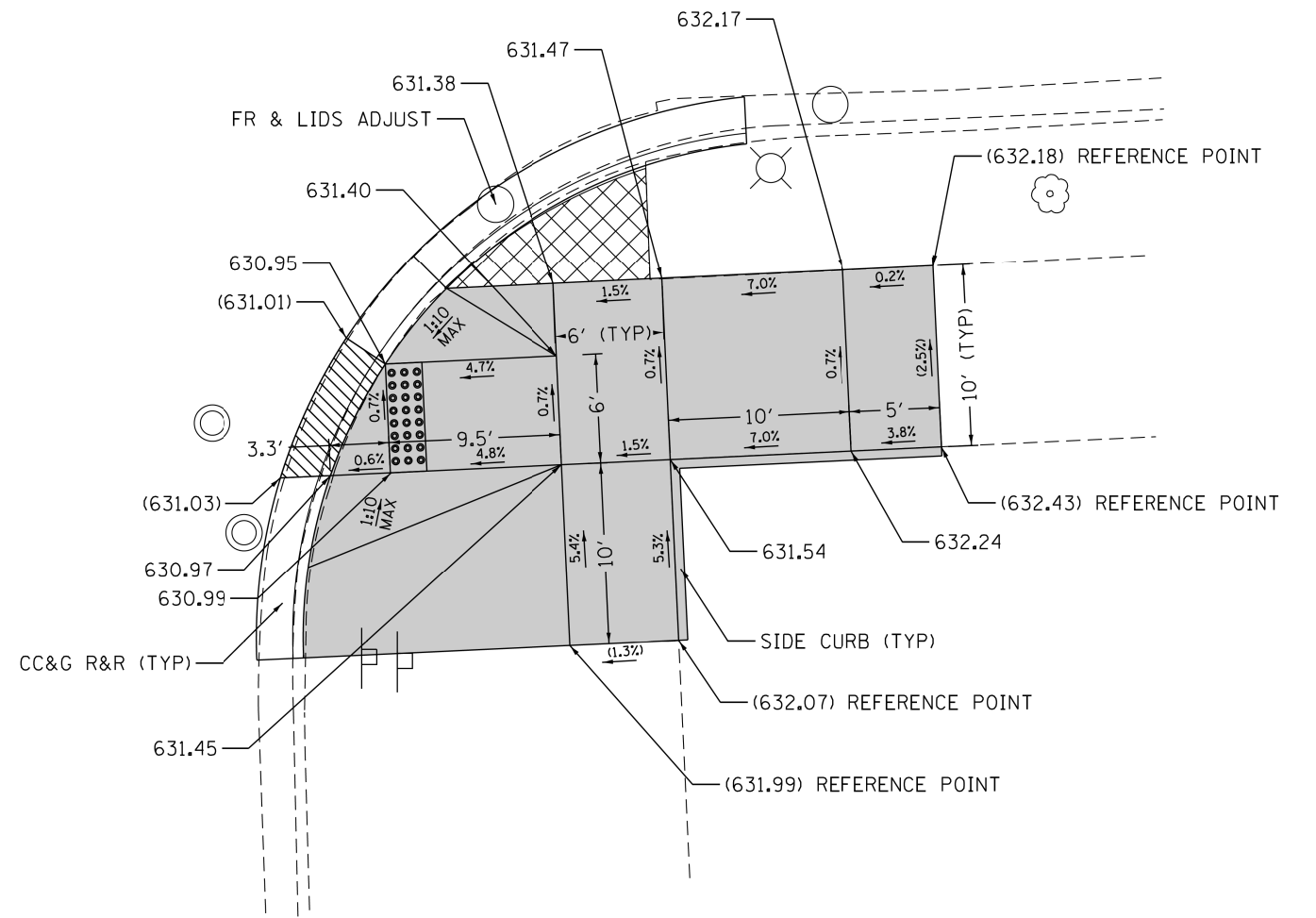
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Default

W ROOSEVELT RD



BALMORAL AVE



NOTE:  
REFER TO ROADWAY AND PAVEMENT MARKING  
PLANS FOR PROPOSED PAVEMENT MARKINGS.

**LEGEND**

- XX.X' EXISTING LENGTH
- ( ) EXISTING ELEVATION/SLOPE
- PC CONC SIDEWALK 5
- DEPRESSED CURB & GUTTER
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK BM-02  
BENCHMARK : SE BOLT FH  
LOCATION : ON SW COR OF W ROOSEVELT RD AND BALMORAL AVE

FILE NAME = Z:\17002.06 IDOT 01 W06 ADA Ramps Roosevelt\_Road\00\Design\Pre\PlotSheets\62064-sht-detail\Remp-02.dgn

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	DRAWN - RG / MS / AN	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - JH	REVISED -
PLOT DATE = 2/16/2018	DATE - 02/16/2018	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS  
W ROOSEVELT RD AT BALMORAL AVE

SCALE: 1" = 5' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2016-084RS	COOK	74	15
CONTRACT NO. 62064				
ILLINOIS FED. AID PROJECT				

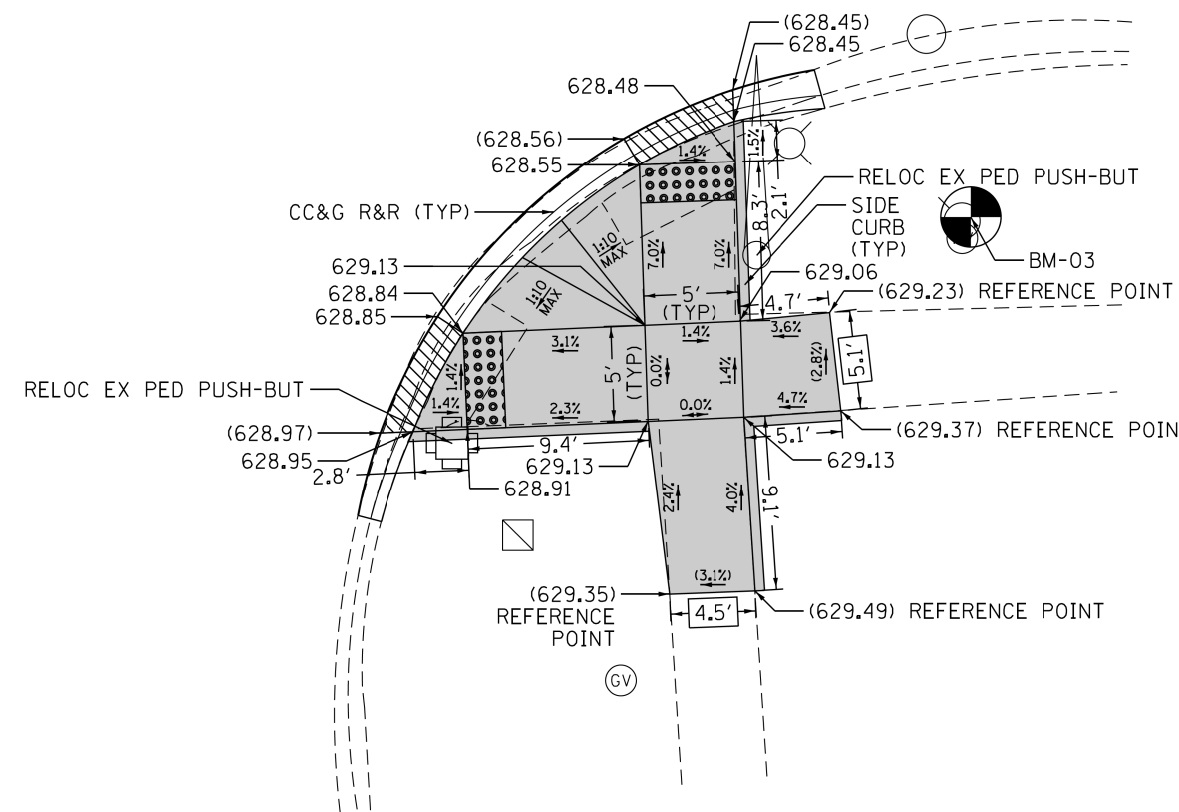
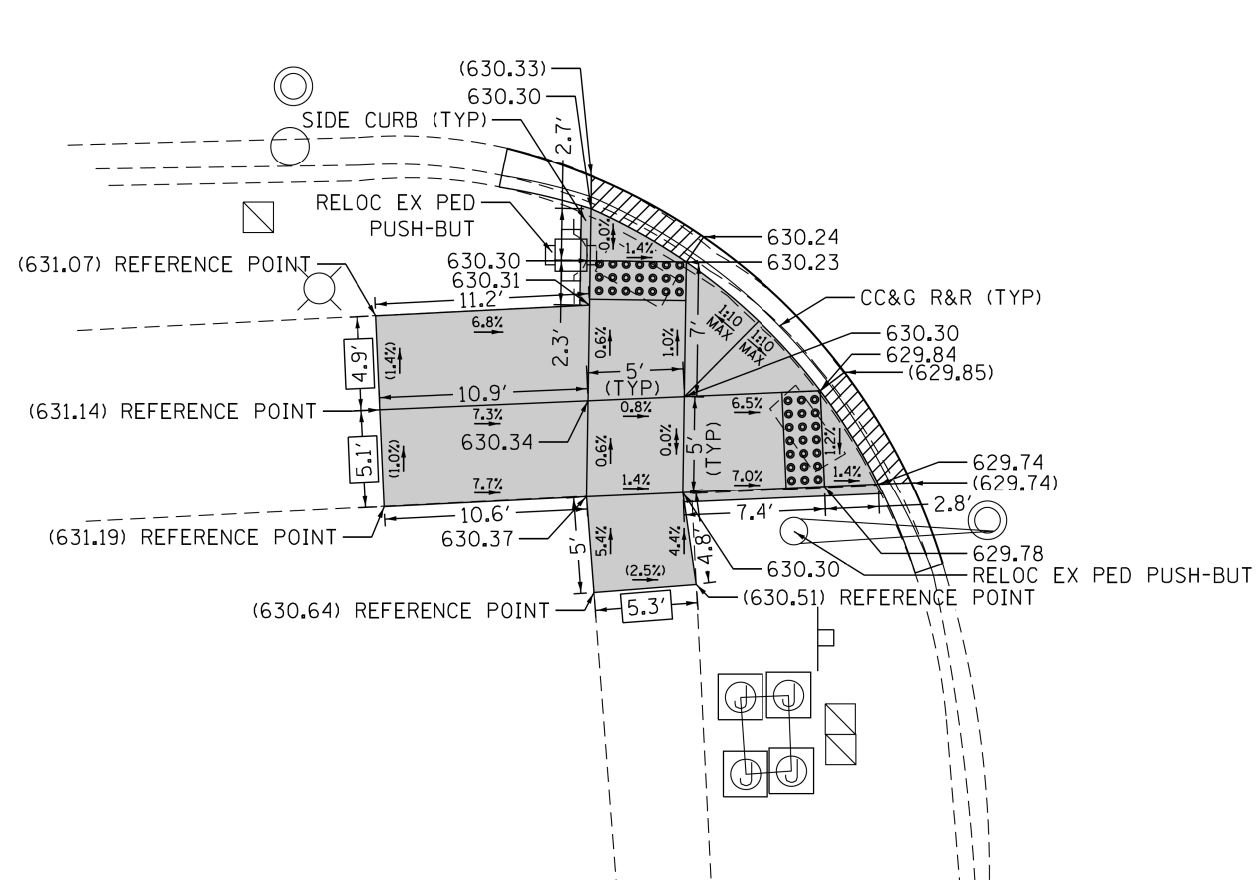






# W ROOSEVELT RD

# WESTCHESTER BLVD



NOTE:  
REFER TO ROADWAY AND PAVEMENT MARKING  
PLANS FOR PROPOSED PAVEMENT MARKINGS.

### LEGEND

XX.X' EXISTING LENGTH  
( ) EXISTING ELEVATION/SLOPE

- PC CONC SIDEWALK 5
- DEPRESSED CURB & GUTTER
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK BM-03  
BENCHMARK : NE BOLT FH  
LOCATION : ON SE CORNER OF W ROOSEVELT RD AND WESTCHESTER BLVD

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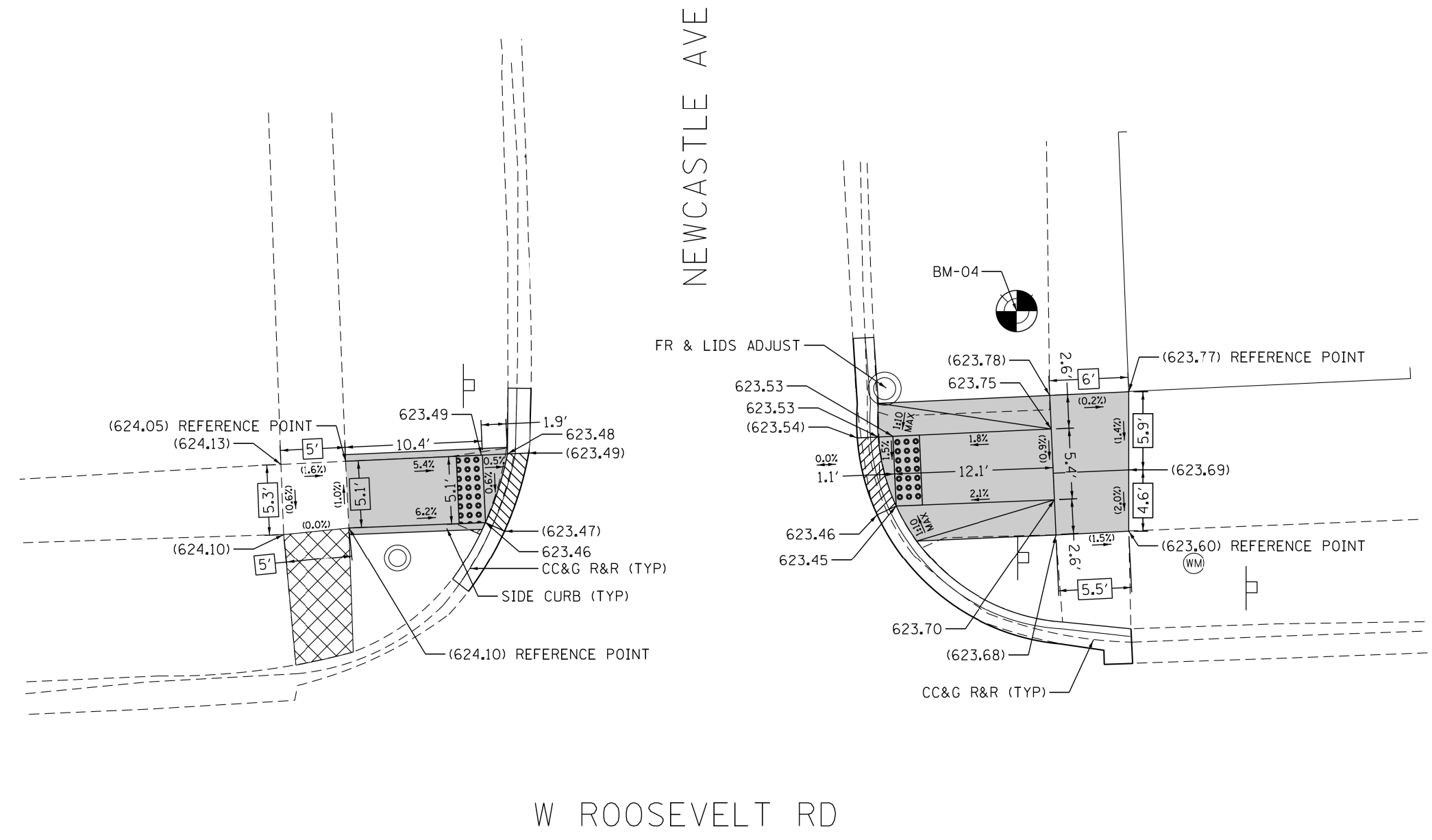
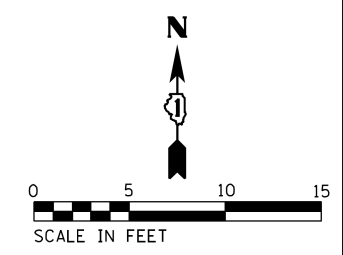
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS  
W ROOSEVELT RD AT WESTCHESTER BLVD

SCALE: 1" = 5' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2016-084R5	COOK	74	17
CONTRACT NO. 62064				
ILLINOIS FED. AID PROJECT				



NOTE:  
REFER TO ROADWAY AND PAVEMENT MARKING  
PLANS FOR PROPOSED PAVEMENT MARKINGS.

**LEGEND**

- XX.X' EXISTING LENGTH
- ( ) EXISTING ELEVATION/SLOPE
- PC CONC SIDEWALK 5
- DETECTABLE WARNINGS
- DEPRESSED CURB & GUTTER
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK BM-04  
BENCHMARK : NE BOLT FH  
LOCATION ; ON NE COR OF W ROOSEVELT RD AND NEWCASTLE AVE

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PLOT DATE = 2/16/2018	DATE - 02/16/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

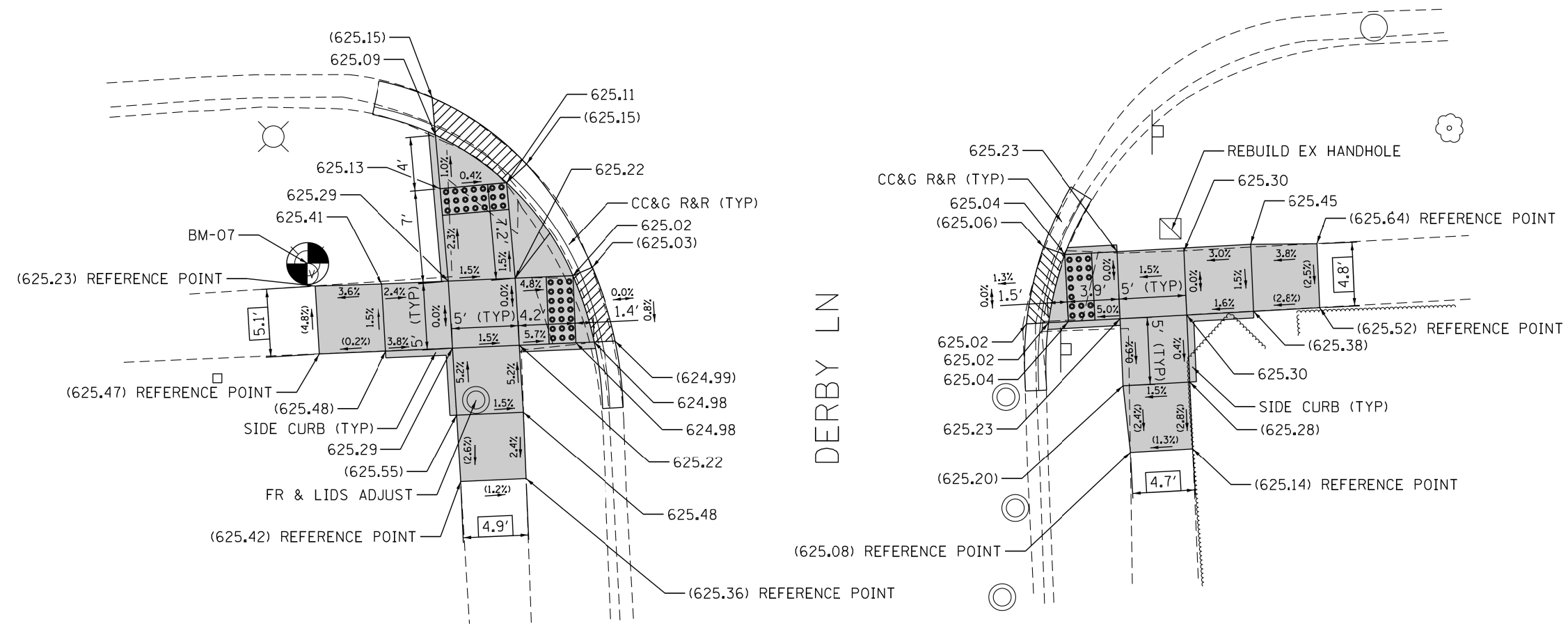
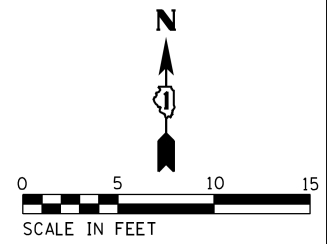
<b>ADA RAMP DETAILS W ROOSEVELT RD AT NEWCASTLE AVE</b>			
SCALE: 1" = 5'	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2016-084RS	COOK	74	18
CONTRACT NO. 62064				
ILLINOIS FED. AID PROJECT				





# W ROOSEVELT RD



REFERENCE BENCHMARK BM-07  
BENCHMARK : NE BOLT FH  
LOCATION : ON SW COR OF W ROOSEVELT RD AND DERBY LN

### LEGEND

- XX.X' EXISTING LENGTH
- ( ) EXISTING ELEVATION/SLOPE
- PC CONC SIDEWALK 5
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD
- DEPRESSED CURB & GUTTER

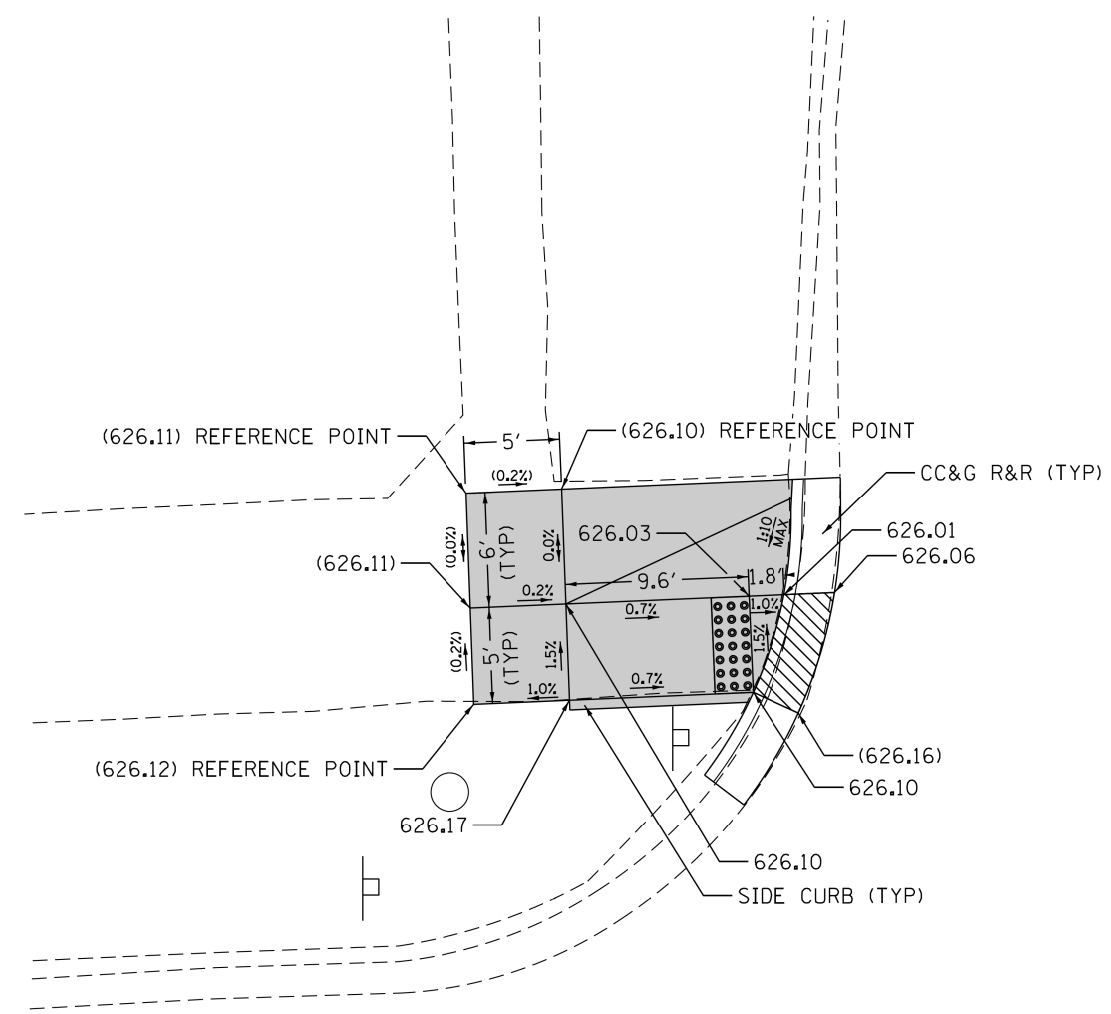
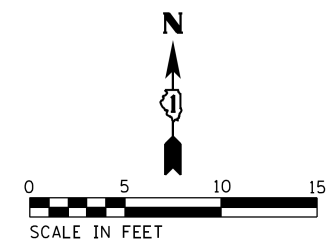
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ADA RAMP DETAILS  
W ROOSEVELT RD AT DERBY LN**

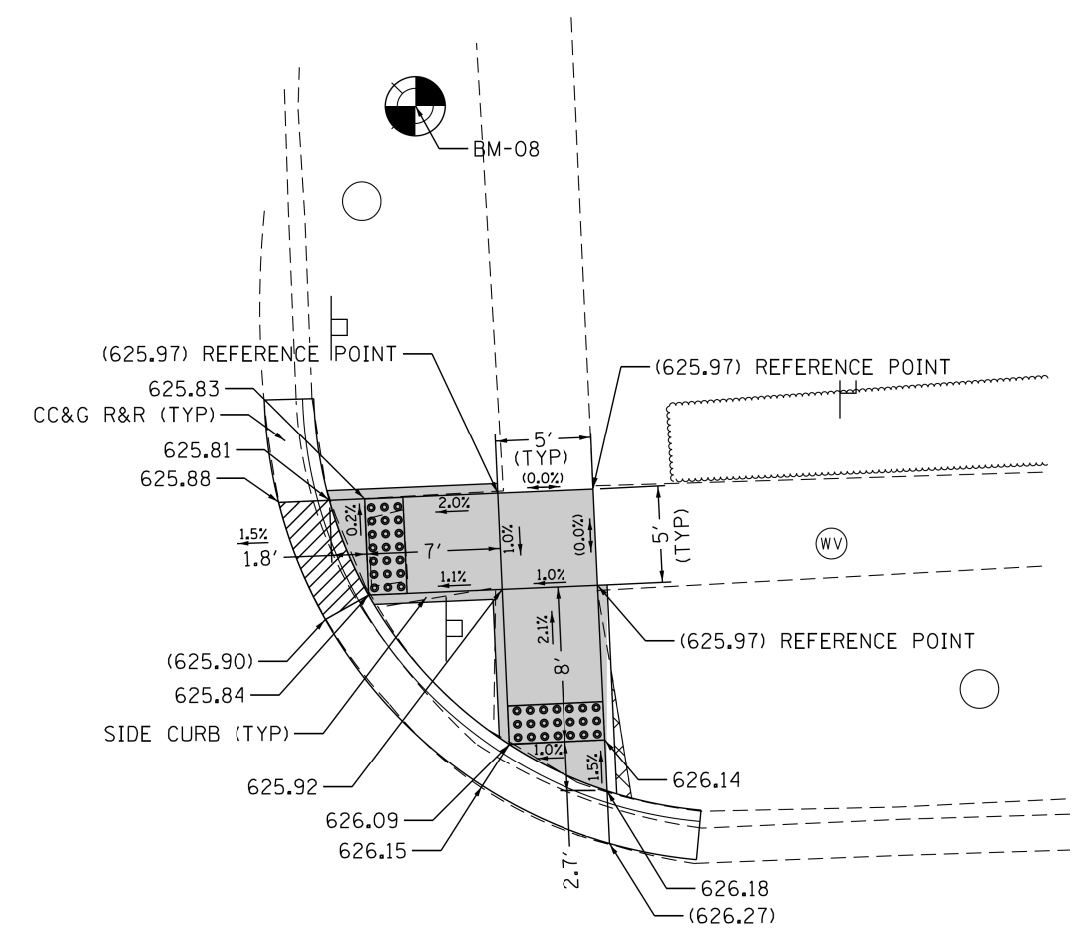
SCALE: 1" = 5'    SHEET    OF    SHEETS    STA.    TO    STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2016-084RS	COOK	74	21
<b>CONTRACT NO. 62D64</b>				
<small>ILLINOIS FED. AID PROJECT</small>				

FILE NAME = Z:\17002.06 IDOT 01 W06 ADA Ramps Roosevelt\_Road\00\Design\Pre\01\Plotsheets\62D64-sht-detail\Remp-08.dgn



NORFOLK AVE



W ROOSEVELT RD

NOTE:  
REFER TO ROADWAY AND PAVEMENT MARKING  
PLANS FOR PROPOSED PAVEMENT MARKINGS.

**LEGEND**

XX.X' EXISTING LENGTH  
( ) EXISTING ELEVATION/SLOPE

- PC CONC SIDEWALK 5
- DEPRESSED CURB & GUTTER
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK BM-08  
BENCHMARK : NE BOLT FH  
LOCATION : ON NE COR OF W ROOSEVELT RD AND NORFOLK AVE

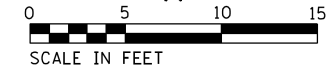
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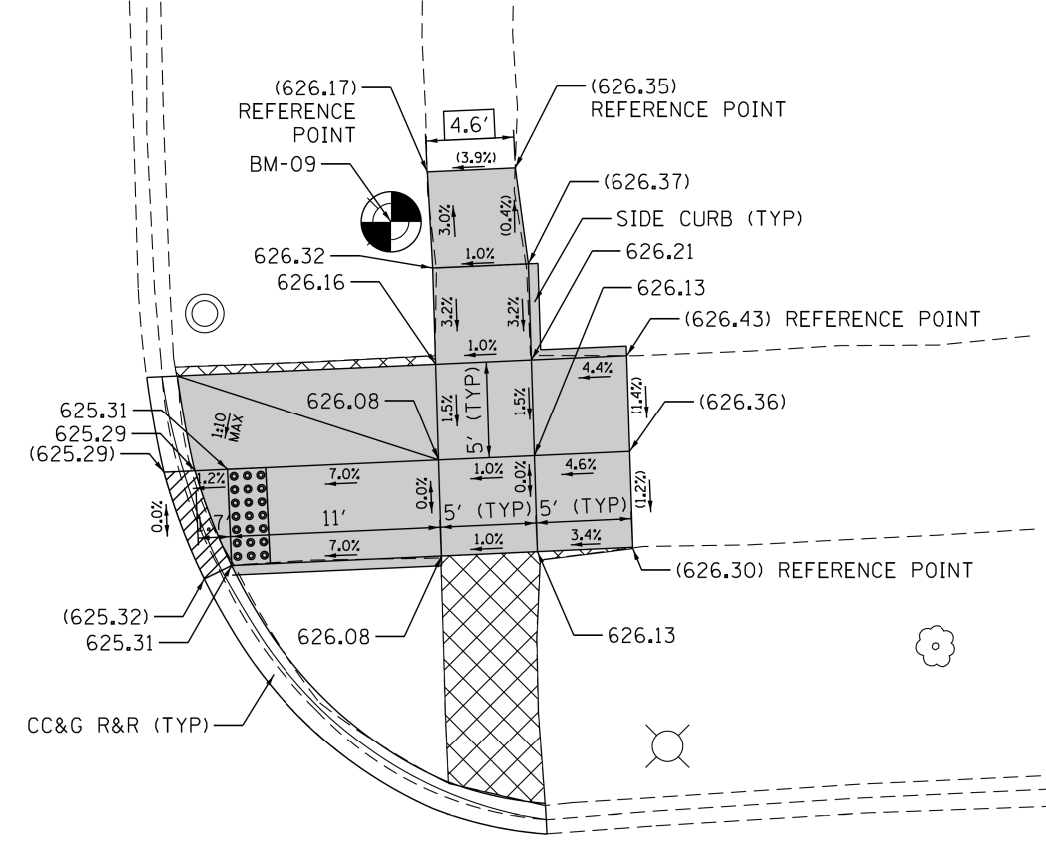
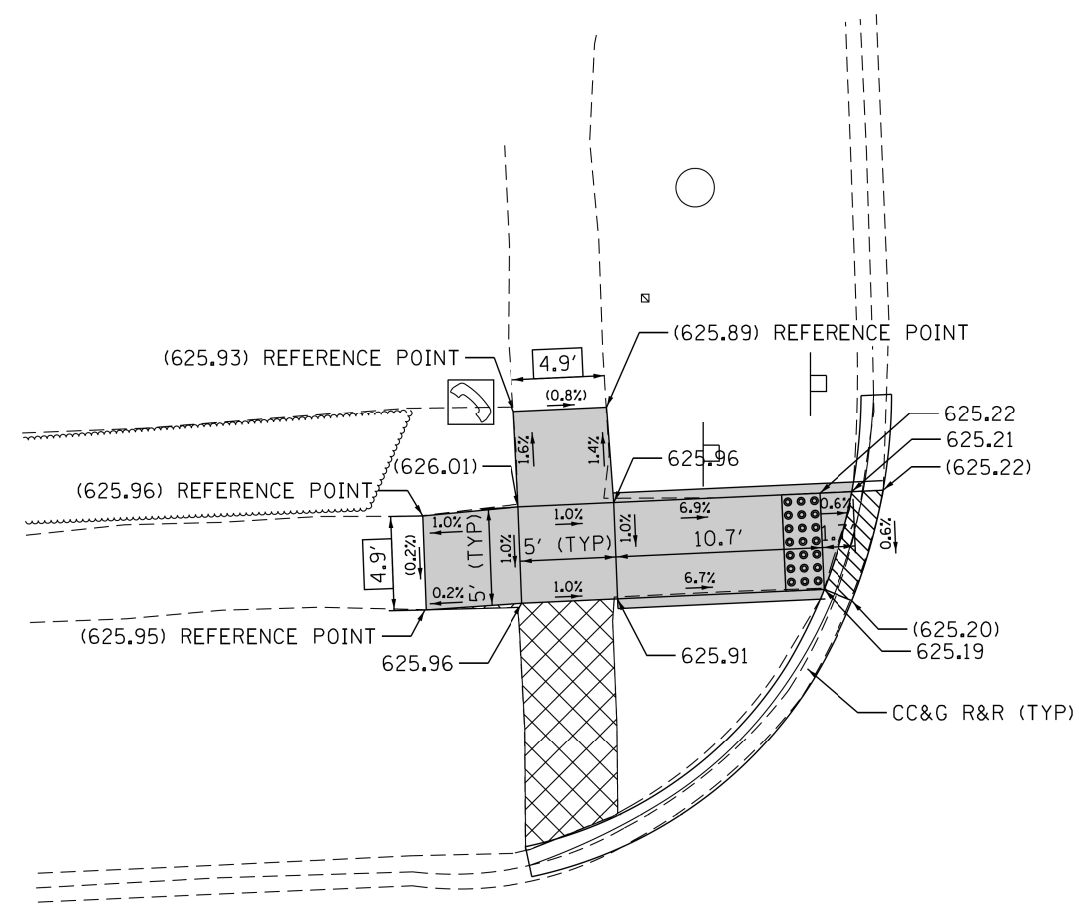
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS	
W ROOSEVELT RD AT NORFOLK AVE	
SCALE: 1" = 5'	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2016-084RS	COOK	74	22
CONTRACT NO. 62064				
ILLINOIS FED. AID PROJECT				



MANCHESTER AVE



W ROOSEVELT RD

NOTE:  
REFER TO ROADWAY AND PAVEMENT MARKING  
PLANS FOR PROPOSED PAVEMENT MARKINGS.

**LEGEND**

- XX.X' EXISTING LENGTH
- ( ) EXISTING ELEVATION/SLOPE
- PC CONC SIDEWALK 5
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD
- DEPRESSED CURB & GUTTER

REFERENCE BENCHMARK BM-09  
BENCHMARK : NE BOLT FH  
LOCATION : ON NE COR OF W ROOSEVELT RD AND MANCHESTER AVE

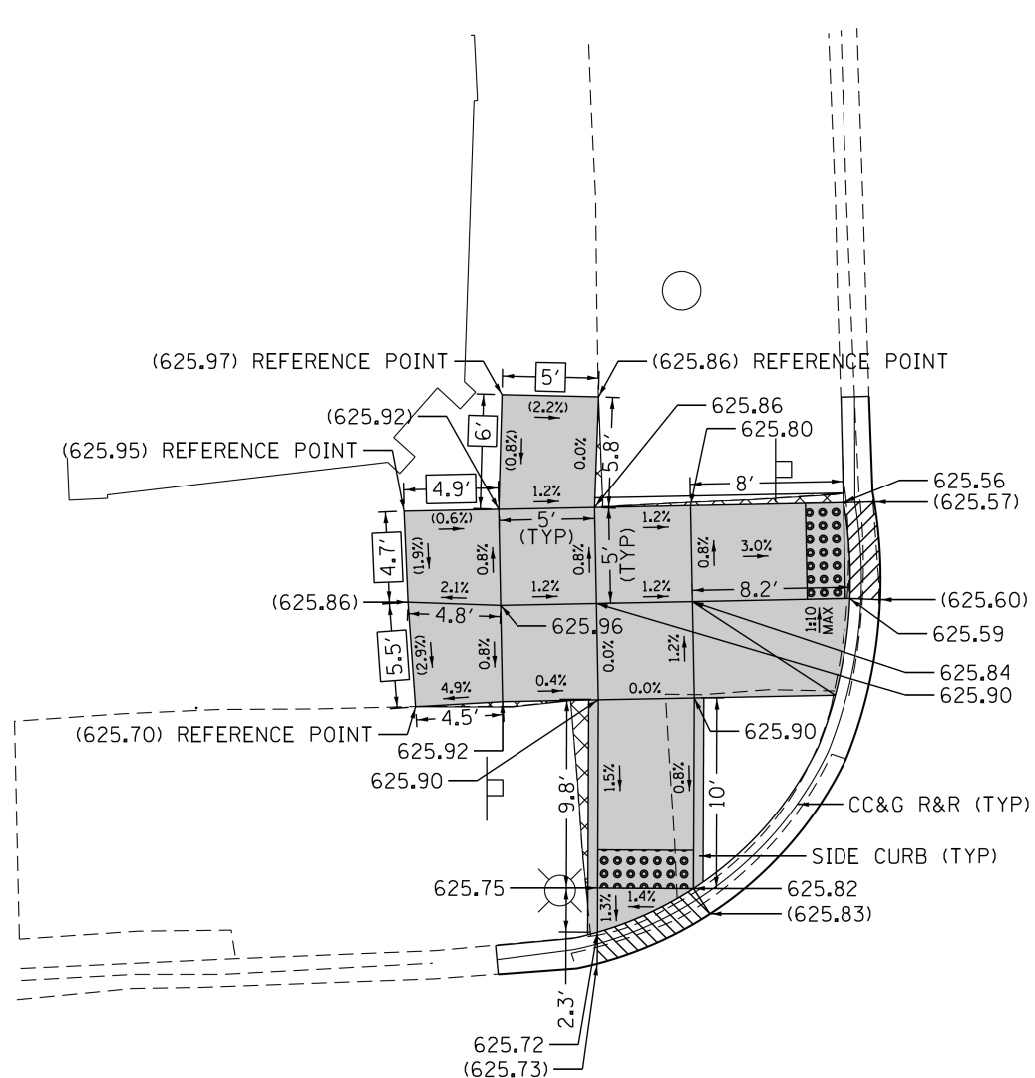
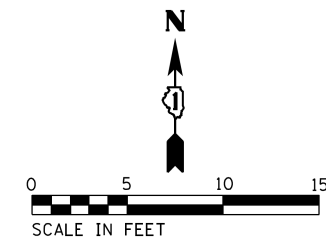
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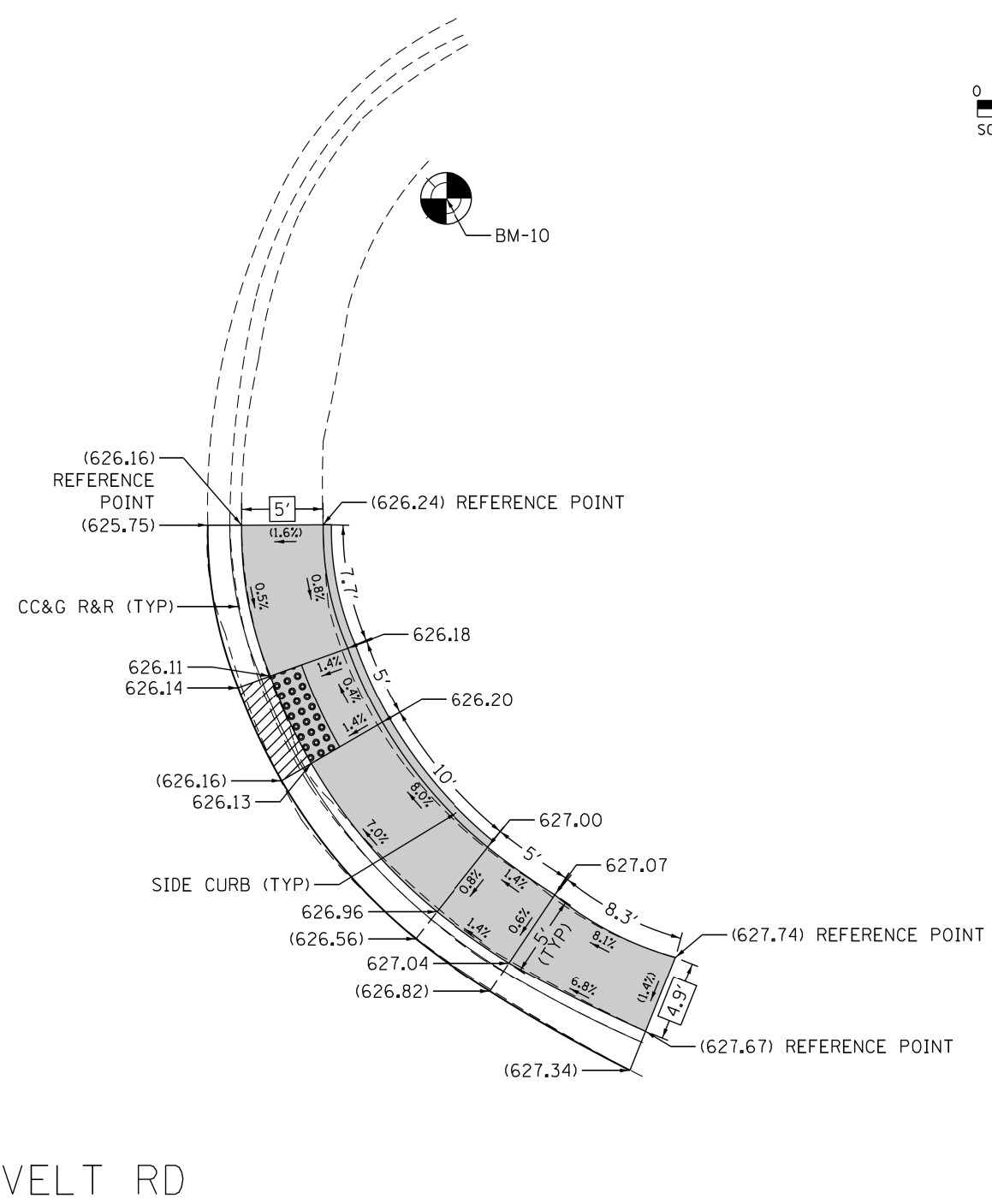
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>ADA RAMP DETAILS</b>			
<b>W ROOSEVELT RD AT MANCHESTER AVE</b>			
SCALE: 1" = 5'	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2016-084RS	COOK	74	23
CONTRACT NO. 62064				
ILLINOIS FED. AID PROJECT				



BRISTOL AVE



W ROOSEVELT RD

NOTE:  
REFER TO ROADWAY AND PAVEMENT MARKING  
PLANS FOR PROPOSED PAVEMENT MARKINGS.

**LEGEND**

- XX.X' EXISTING LENGTH
- ( ) EXISTING ELEVATION/SLOPE
- PC CONC SIDEWALK 5
- DEPRESSURED CURB & GUTTER
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK BM-10  
BENCHMARK : NE BOLT FH  
LOCATION : ON NE COR OF W ROOSEVELT RD AND BRISTOL AVE

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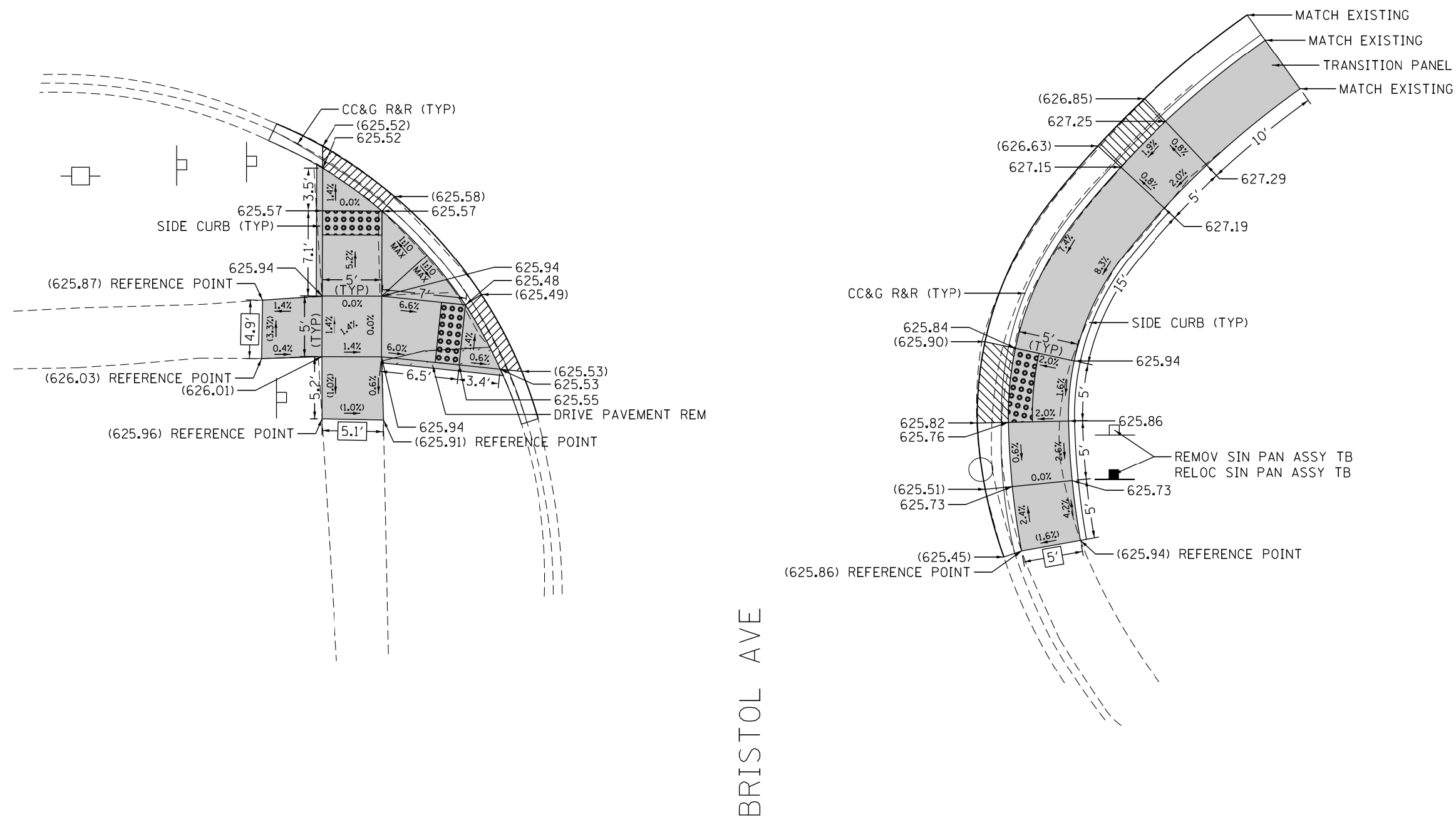
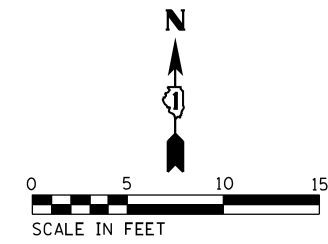
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

<b>ADA RAMP DETAILS</b>			
<b>W ROOSEVELT RD AT BRISTOL AVE</b>			
SCALE: 1" = 5'	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2016-084RS	COOK	74	24
CONTRACT NO. 62064				
ILLINOIS FED. AID PROJECT				



# W ROOSEVELT RD



NOTE:  
REFER TO ROADWAY AND PAVEMENT MARKING  
PLANS FOR PROPOSED PAVEMENT MARKINGS.

## LEGEND

- XX.X' EXISTING LENGTH
- ( ) EXISTING ELEVATION/SLOPE
- PC CONC SIDEWALK 5
- DEPRESSED CURB & GUTTER
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK BM-10  
BENCHMARK : NE BOLT FH  
LOCATION : ON NE COR OF W ROOSEVELT RD AND BRISTOL AVE

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PLOT DATE = 2/16/2018	DATE - 02/16/2018	REVISED -

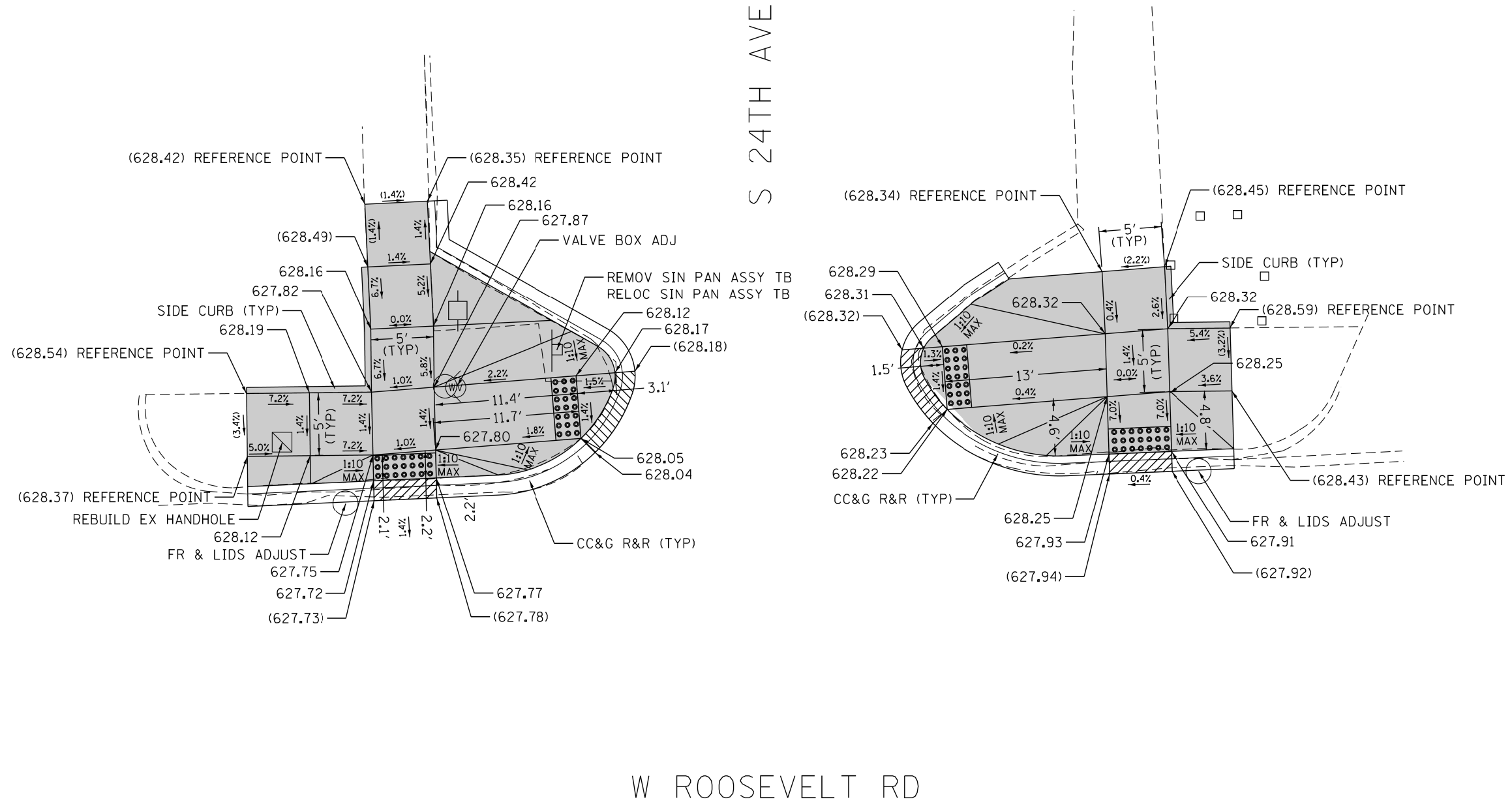
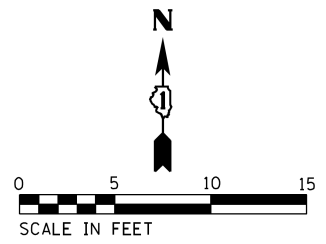
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>ADA RAMP DETAILS</b>	
<b>W ROOSEVELT RD AT BRISTOL AVE</b>	
SCALE: 1" = 5'	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2016-084R5	COOK	74	25
CONTRACT NO. 62064				
ILLINOIS FED. AID PROJECT				







W ROOSEVELT RD

NOTE:  
REFER TO ROADWAY AND PAVEMENT MARKING  
PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK BM-12  
BENCHMARK : SE BOLT FH  
LOCATION : ON SW COR OF W ROOSEVELT RD AND 24TH AVE

**LEGEND**

- PC CONC SIDEWALK 5
- DEPRESSED CURB & GUTTER
- EXISTING LENGTH
- DETECTABLE WARNINGS
- EXISTING ELEVATION/SLOPE
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

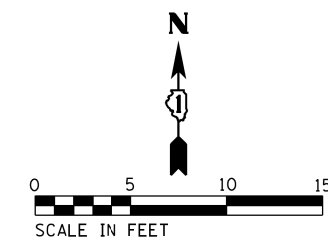
ADA RAMP DETAILS  
W ROOSEVELT RD AT S 24TH AVE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2016-084RS	COOK	74	28
CONTRACT NO. 62D64				
ILLINOIS FED. AID PROJECT				

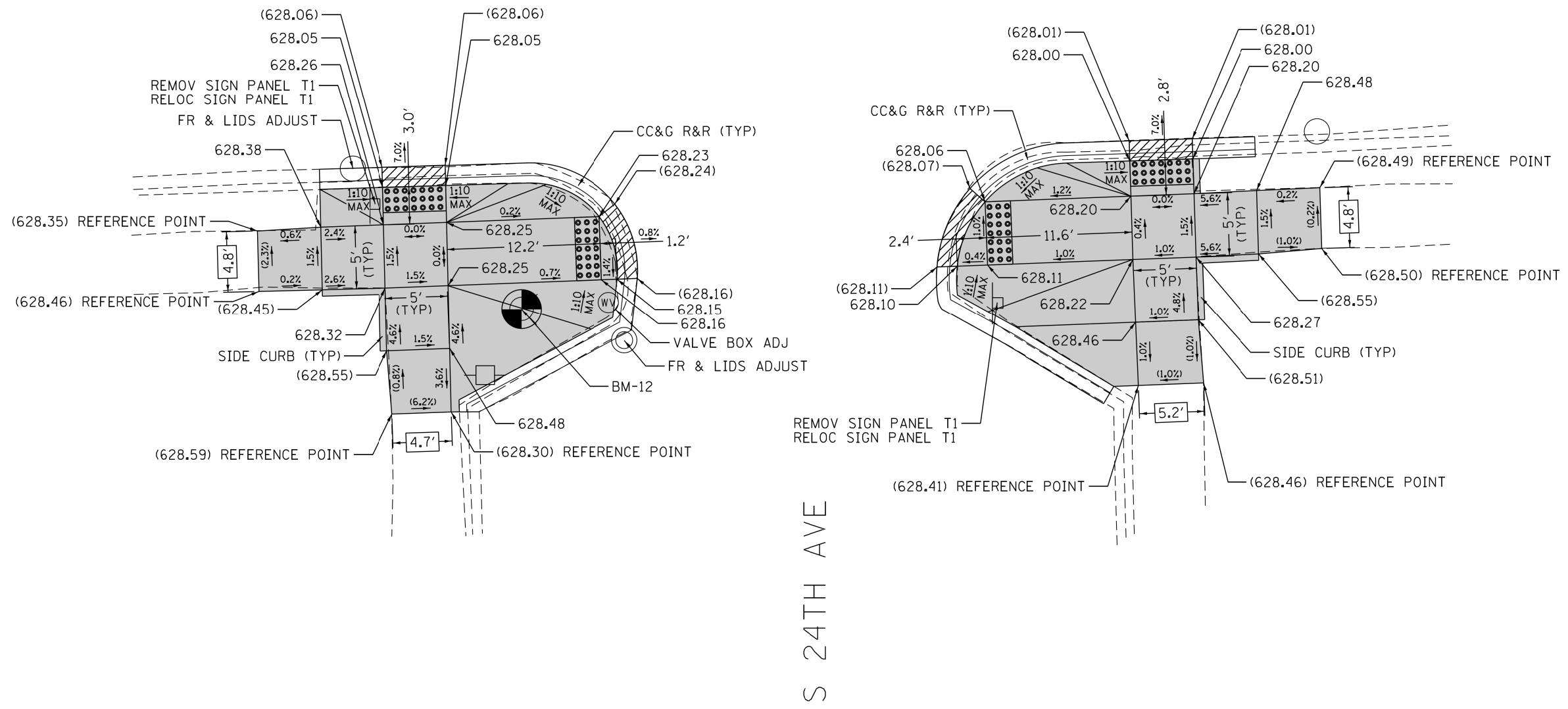
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SCALE: 1" = 5' SHEET OF SHEETS STA. TO STA.

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W ROOSEVELT RD



NOTE:  
REFER TO ROADWAY AND PAVEMENT MARKING  
PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK BM-12  
BENCHMARK : SE BOLT FH  
LOCATION : ON SW COR OF W ROOSEVELT RD AND 24TH AVE

**LEGEND**

- PC CONC SIDEWALK 5
- DEPRESSED CURB & GUTTER
- EXISTING LENGTH
- DETECTABLE WARNINGS
- EXISTING ELEVATION/SLOPE
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS  
W ROOSEVELT AVE AT S 24TH AVE

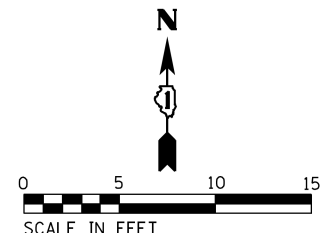
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2016-084RS	COOK	74	29
CONTRACT NO. 62D64				

SCALE: 1" = 5' SHEET OF SHEETS STA. TO STA.

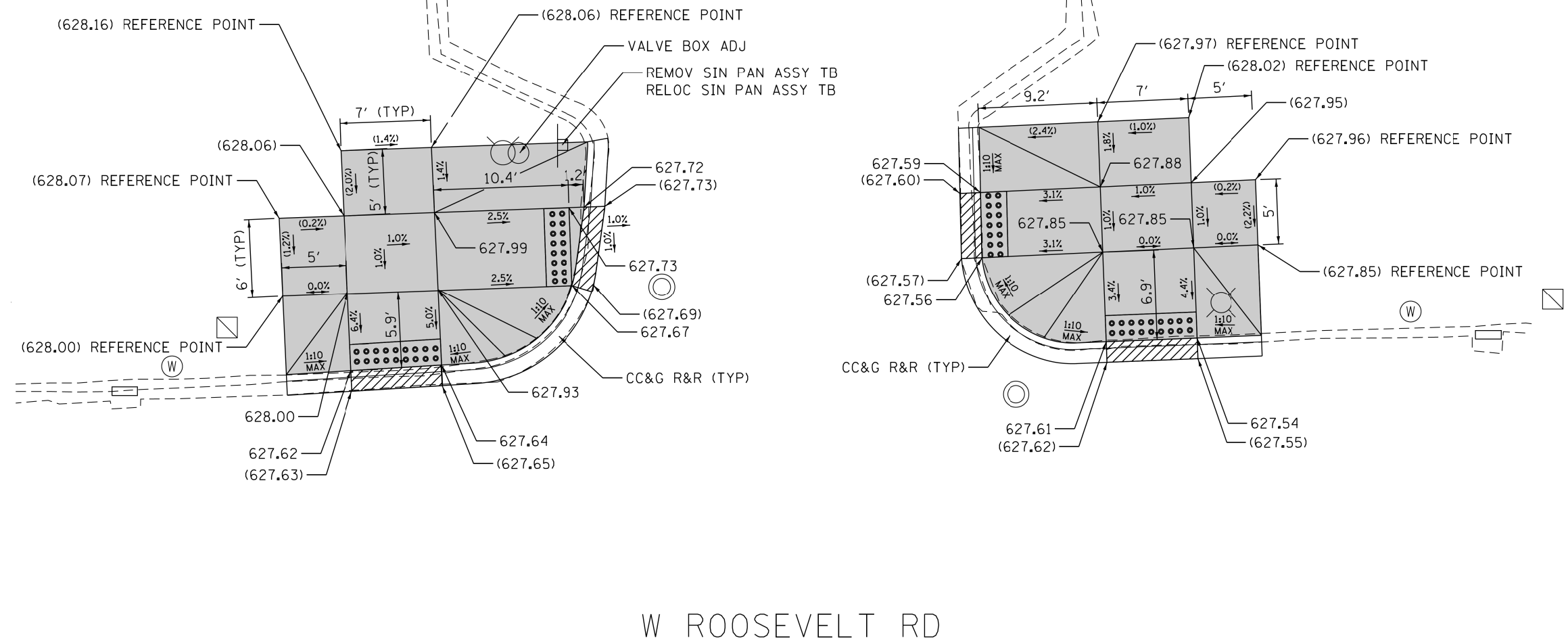
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16TH AVE



W ROOSEVELT RD

**NOTE:**  
REFER TO ROADWAY AND PAVEMENT MARKING PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK BM-14  
BENCHMARK : CROSS CUT IN WALK  
LOCATION : ON SW COR OF W ROOSEVELT RD AND 16TH AVE

**LEGEND**

- XX.X' EXISTING LENGTH
- ( ) EXISTING ELEVATION/SLOPE
- PC CONC SIDEWALK 5
- DEPRESSED CURB & GUTTER
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ADA RAMP DETAILS  
W ROOSEVELT RD AT 16TH AVE**

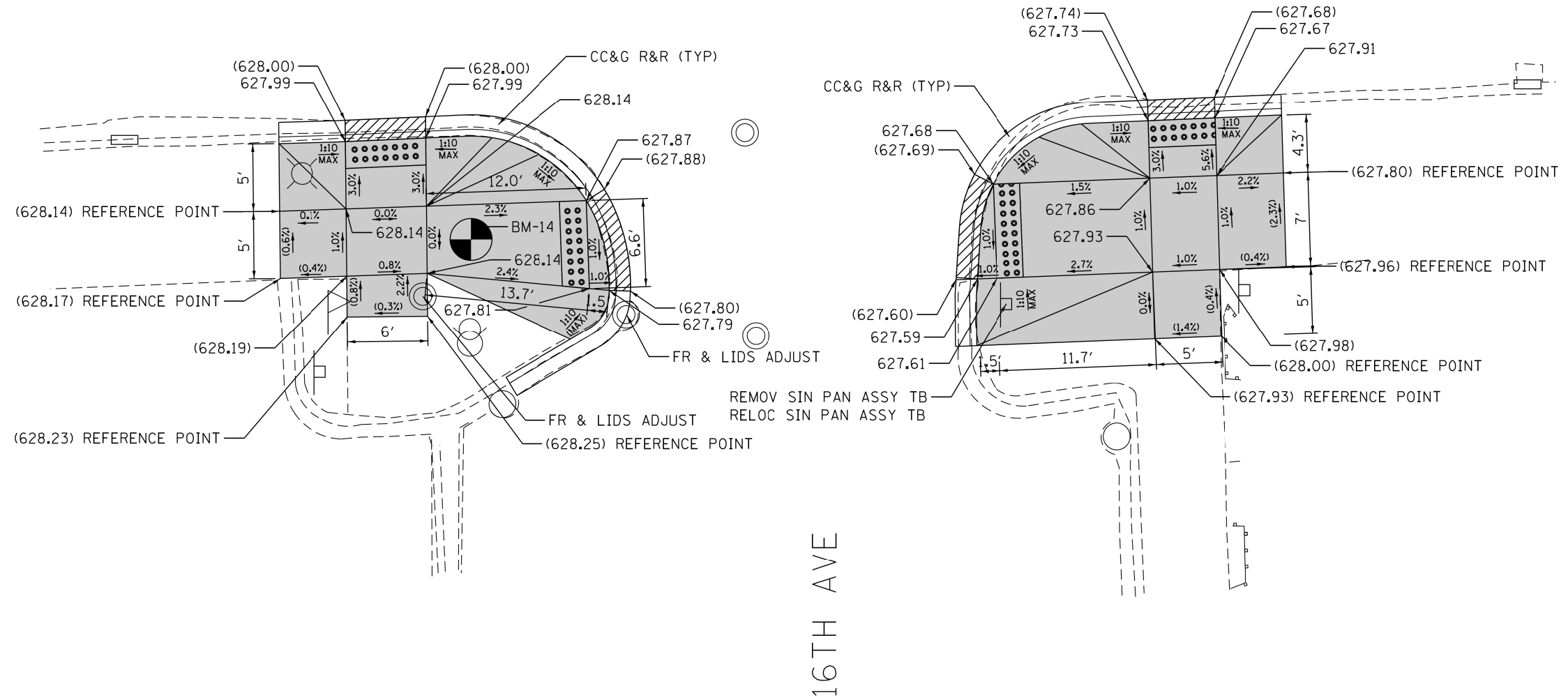
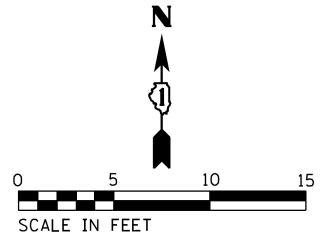
SCALE: 1" = 5'    SHEET    OF    SHEETS    STA.    TO    STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2016-084RS	COOK	74	32
<b>CONTRACT NO. 62D64</b>				
ILLINOIS FED. AID PROJECT				

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# W ROOSEVELT RD



REFERENCE BENCHMARK BM-14  
BENCHMARK : CROSS CUT IN WALK  
LOCATION : ON SW COR OF W ROOSEVELT RD AND 16TH AVE

### LEGEND

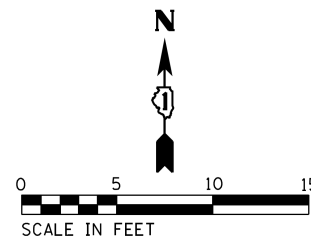
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- ( ) EXISTING ELEVATION/SLOPE
- PC CONC SIDEWALK 5
- DEPRESSED CURB & GUTTER
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

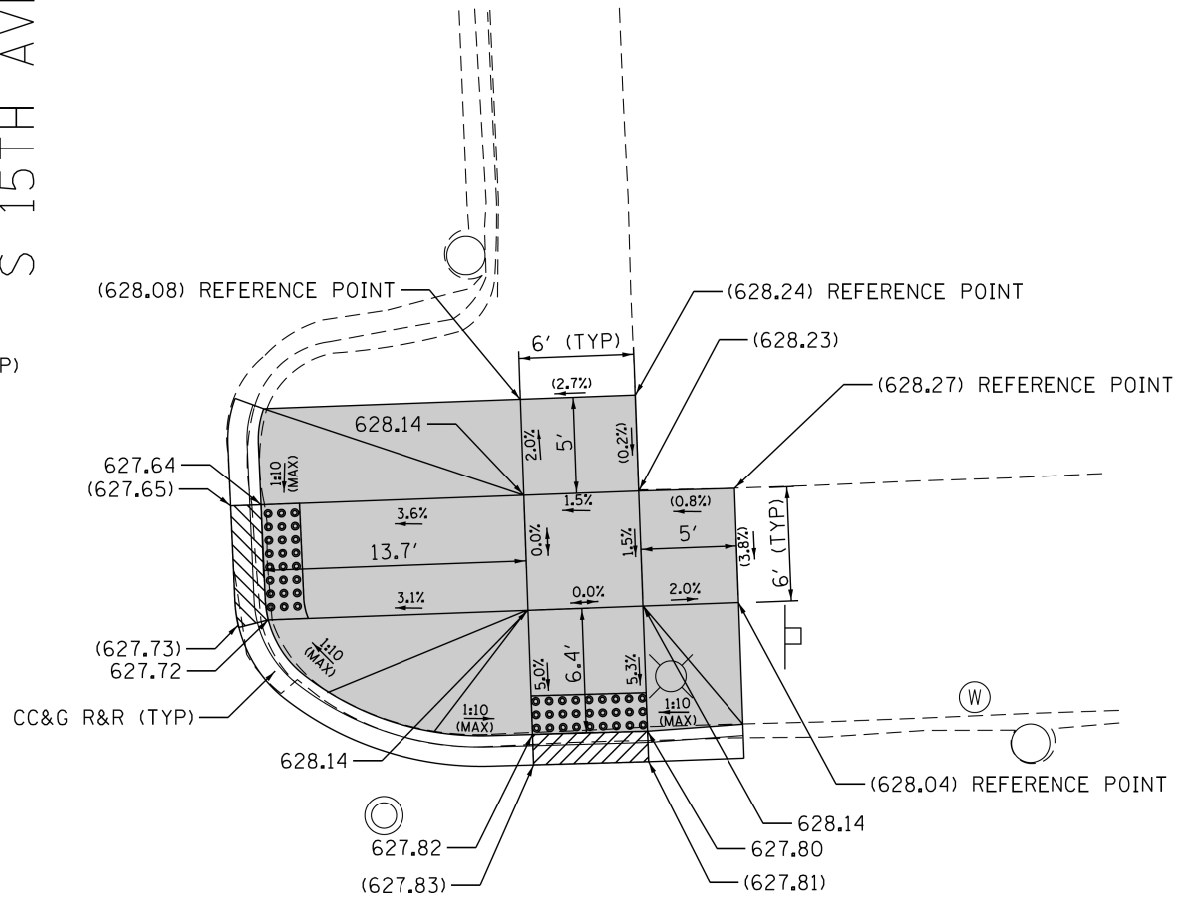
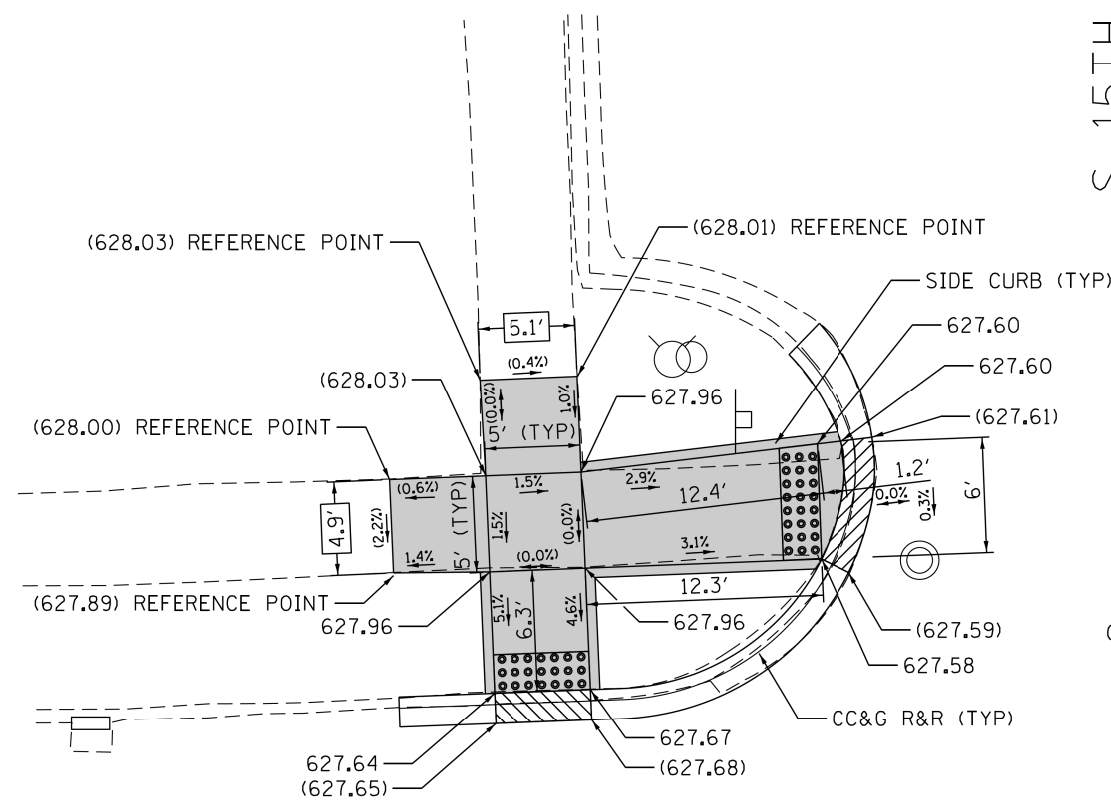
**ADA RAMP DETAILS  
W ROOSEVELT RD AT 16TH AVE**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2016-084RS	COOK	74	33
<b>CONTRACT NO. 62D64</b>				

SCALE: 1" = 5'    SHEET    OF    SHEETS    STA.    TO STA.



S 15TH AVE



W ROOSEVELT RD

NOTE:  
REFER TO ROADWAY AND PAVEMENT MARKING  
PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK BM-15  
BENCHMARK : NW COR LP BASE  
LOCATION : ON SW COR OF W ROOSEVELT RD AND S 15TH AVE

**LEGEND**

- XX.X' EXISTING LENGTH
- ( ) EXISTING ELEVATION/SLOPE
- PC CONC SIDEWALK 5
- DEPRESSURED CURB & GUTTER
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

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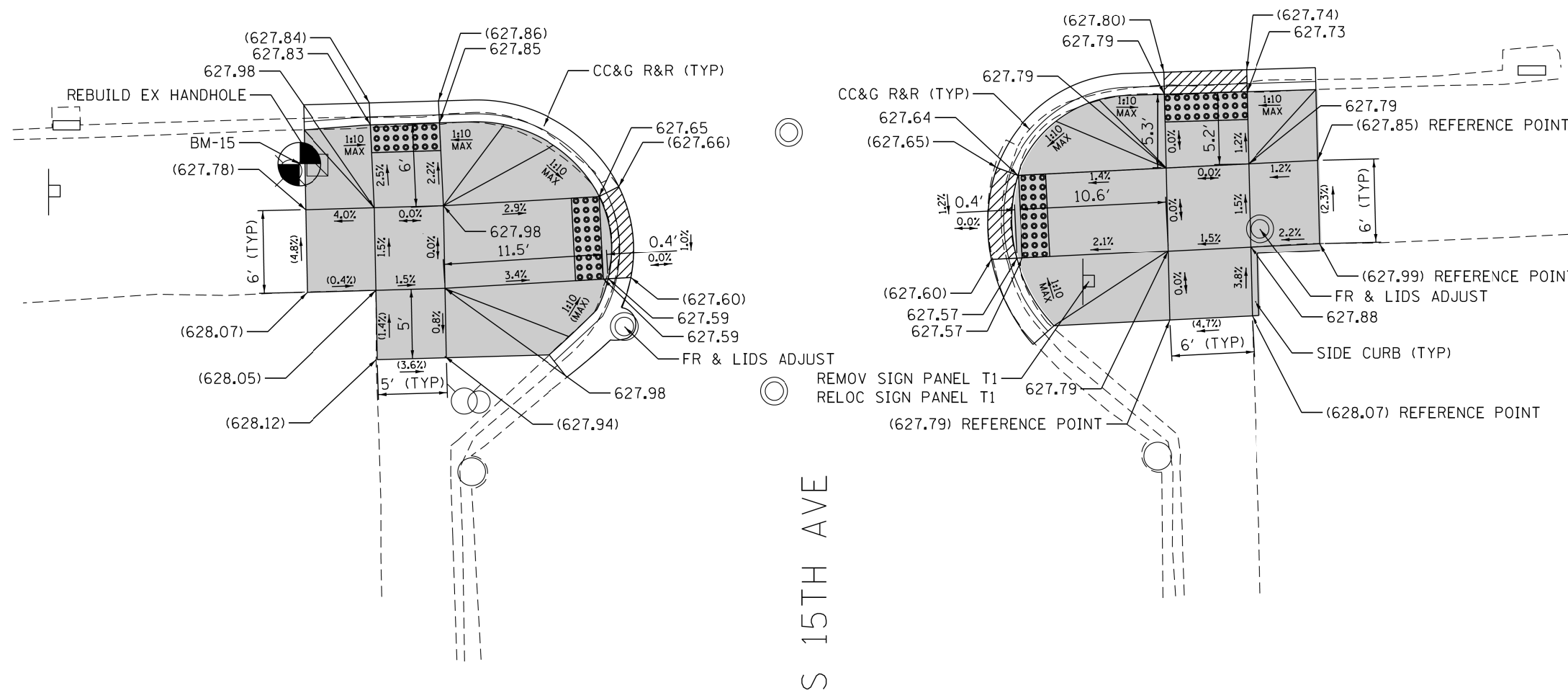
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

<b>ADA RAMP DETAILS</b>			
<b>W ROOSEVELT RD AT S 15TH AVE</b>			
SCALE: 1" = 5'	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2016-084RS	COOK	74	34
CONTRACT NO. 62064				
ILLINOIS FED. AID PROJECT				



# W ROOSEVELT RD



**NOTE:**  
REFER TO ROADWAY AND PAVEMENT MARKING PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK BM-15  
BENCHMARK : NW COR LP BASE  
LOCATION : ON SW COR OF W ROOSEVELT RD AND S 15TH AVE

### LEGEND

- |   |  |                         |
|---|--|-------------------------|
| <span style="border: 1px solid black; padding: 2px;">XX.X'</span> EXISTING LENGTH | DETECTABLE WARNINGS                      | DEPRESSED CURB & GUTTER |
| ( ) EXISTING ELEVATION/SLOPE  | SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD | PC CONC SIDEWALK 5      |

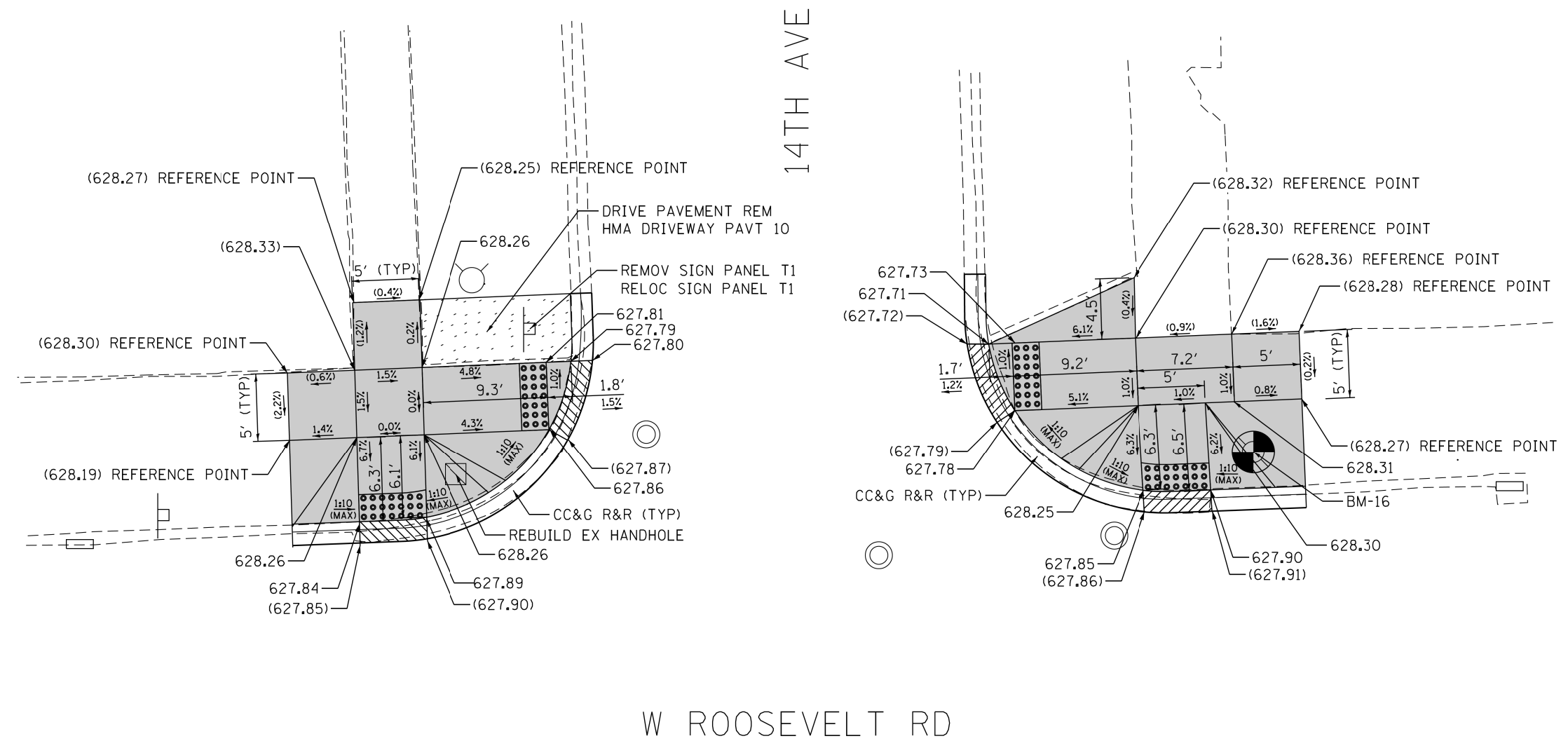
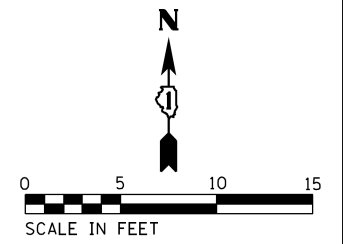
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ADA RAMP DETAILS  
W ROOSEVELT RD AT S 15TH AVE**

SCALE: 1" = 5'    SHEET    OF    SHEETS    STA.    TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2016-084RS	COOK	74	35
<b>CONTRACT NO. 62D64</b>				
ILLINOIS FED. AID PROJECT				

FILE NAME = Z:\17002\06 IDOT 01 W06 ADA Ramps Roosevelt\_Road\00A Ramps Roosevelt\_Prelim\Plotsheets\62D64-shr-det-01-Ramp-22.dgn



NOTE:  
REFER TO ROADWAY AND PAVEMENT MARKING  
PLANS FOR PROPOSED PAVEMENT MARKINGS.

**LEGEND**

XX.X' EXISTING LENGTH  
( ) EXISTING ELEVATION/SLOPE

- PC CONC SIDEWALK 5
- DEPRESSED CURB & GUTTER
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK BM-16  
BENCHMARK : CORNER CONC LP BASE  
LOCATION : ON NE COR OF W ROOSEVELT RD AND 14TH AVE

FILE NAME = Z:\17002\06 IDOT 01 W06 ADA Ramps Roosevelt\_Road\00\Design\Pre\01\Plotsheets\62064-sht-detail\Remp-23.dgn

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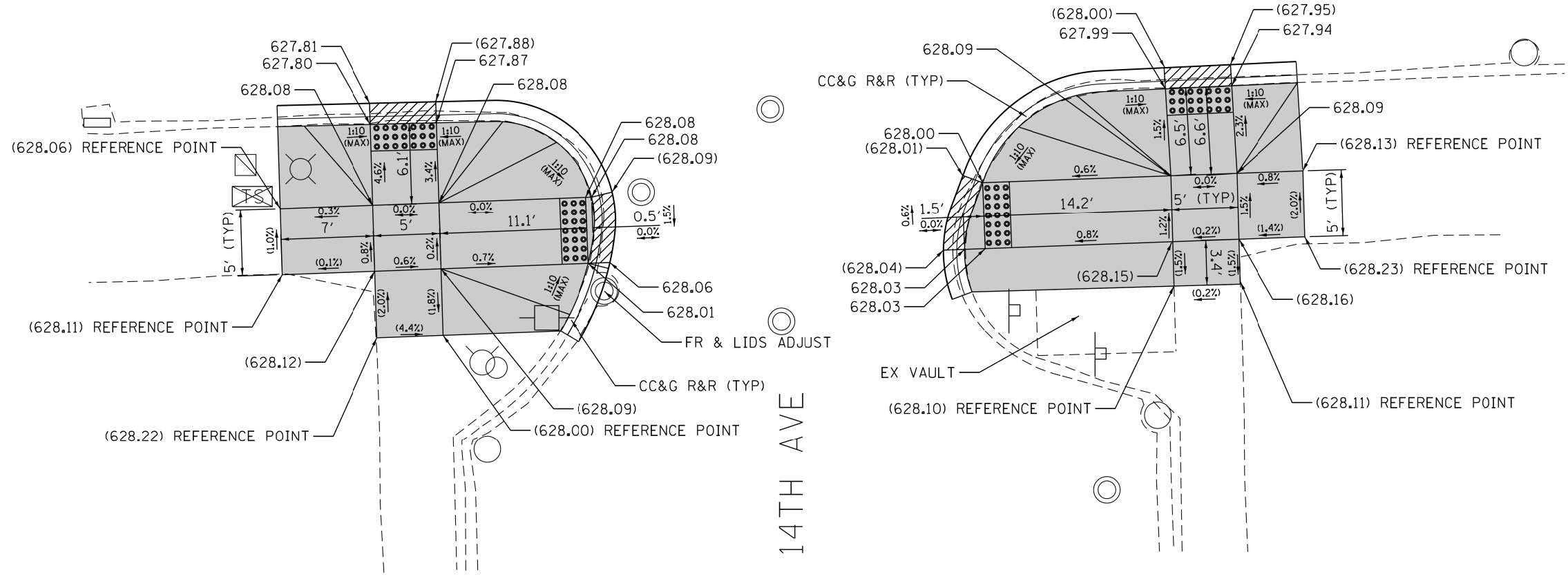
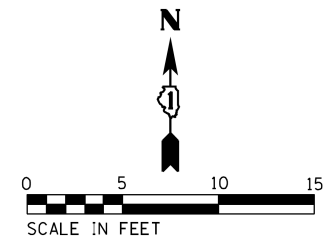
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS  
W ROOSEVELT RD AT 14TH AVE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2016-084RS	COOK	74	36
CONTRACT NO. 62064				
ILLINOIS FED. AID PROJECT				

SCALE: 1" = 5' SHEET OF SHEETS STA. TO STA.

# W ROOSEVELT RD



**NOTE:**  
REFER TO ROADWAY AND PAVEMENT MARKING PLANS FOR PROPOSED PAVEMENT MARKINGS.

### LEGEND

- XX.X' EXISTING LENGTH
- ( ) EXISTING ELEVATION/SLOPE
- PC CONC SIDEWALK 5
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD
- DEPRESSED CURB & GUTTER

REFERENCE BENCHMARK BM-16  
BENCHMARK : CORNER CONC LP BASE  
LOCATION : ON NE COR OF W ROOSEVELT RD AND 14TH AVE

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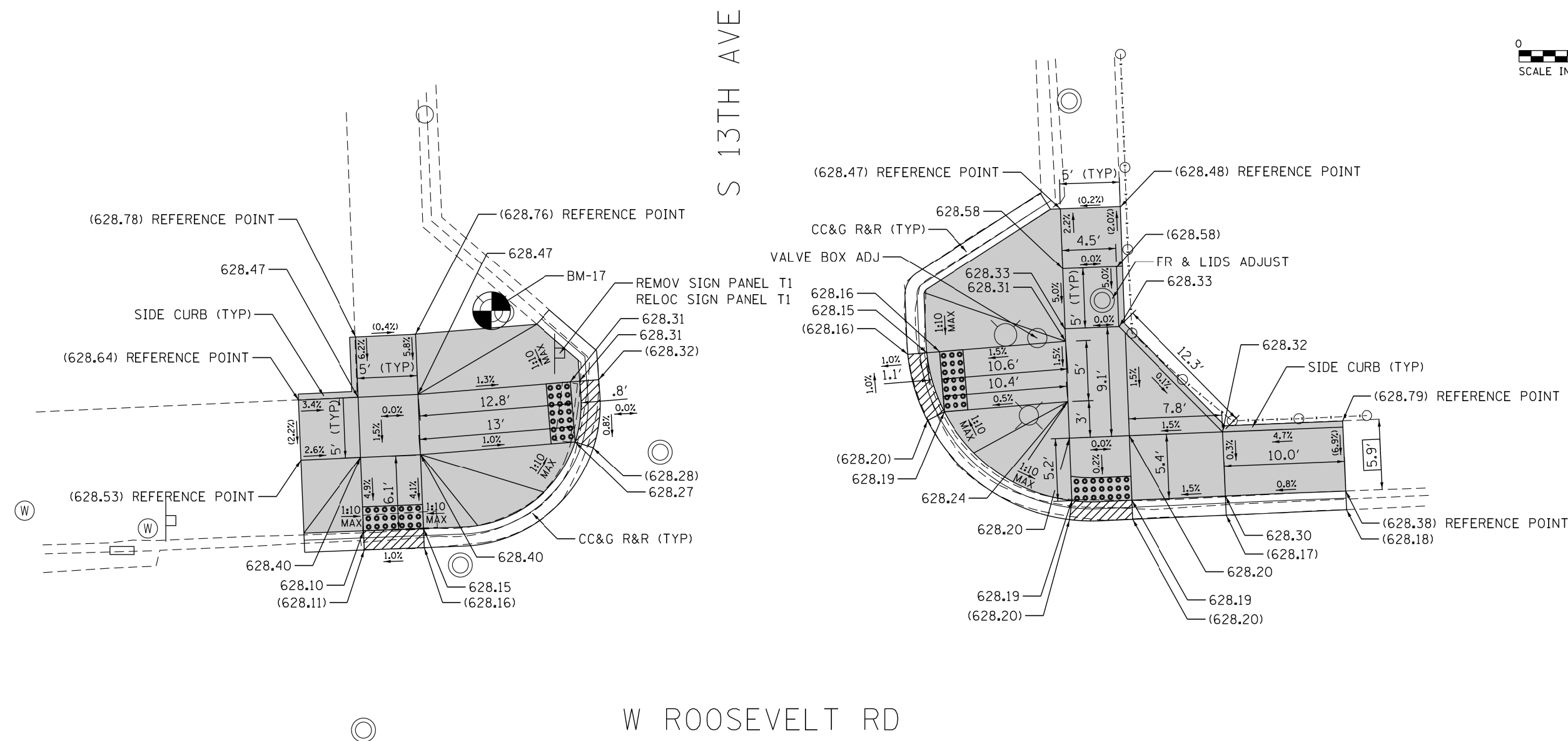
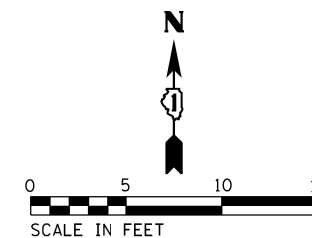
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PLOT DATE = 2/16/2018	DATE - 02/16/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ADA RAMP DETAILS  
W ROOSEVELT RD AT 14TH AVE**

SCALE: 1" = 5'    SHEET    OF    SHEETS    STA.    TO    STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2016-084RS	COOK	74	37
CONTRACT NO. 62064				
ILLINOIS FED. AID PROJECT				



NOTE:  
REFER TO ROADWAY AND PAVEMENT MARKING  
PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK BM-17  
BENCHMARK : NE BOLT FH  
LOCATION : ON NW COR OF W ROOSEVELT RD AND S 13TH AVE

**LEGEND**

- PC CONC SIDEWALK 5
- DEPRESSED CURB & GUTTER
- EXISTING LENGTH
- DETECTABLE WARNINGS
- EXISTING ELEVATION/SLOPE
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS  
W ROOSEVELT RD AT S 13TH AVE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2016-084RS	COOK	74	38
CONTRACT NO. 62D64				

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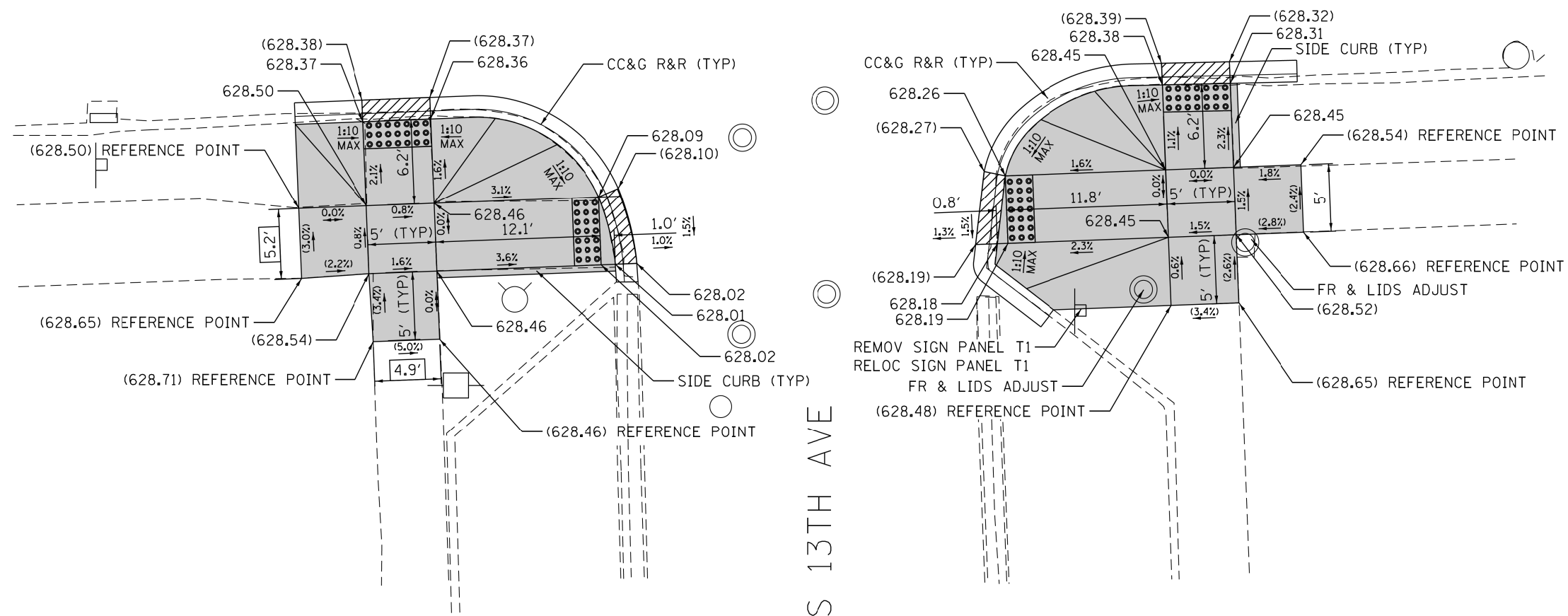
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SCALE: 1" = 5' SHEET OF SHEETS STA. TO STA.



# W ROOSEVELT RD



NOTE:  
REFER TO ROADWAY AND PAVEMENT MARKING  
PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK BM-17  
BENCHMARK : NE BOLT FH  
LOCATION : ON NW COR OF W ROOSEVELT RD AND S 13TH AVE

### LEGEND

- PC CONC SIDEWALK 5
- DEPRESSED CURB & GUTTER
- EXISTING LENGTH
- DETECTABLE WARNINGS
- EXISTING ELEVATION/SLOPE
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

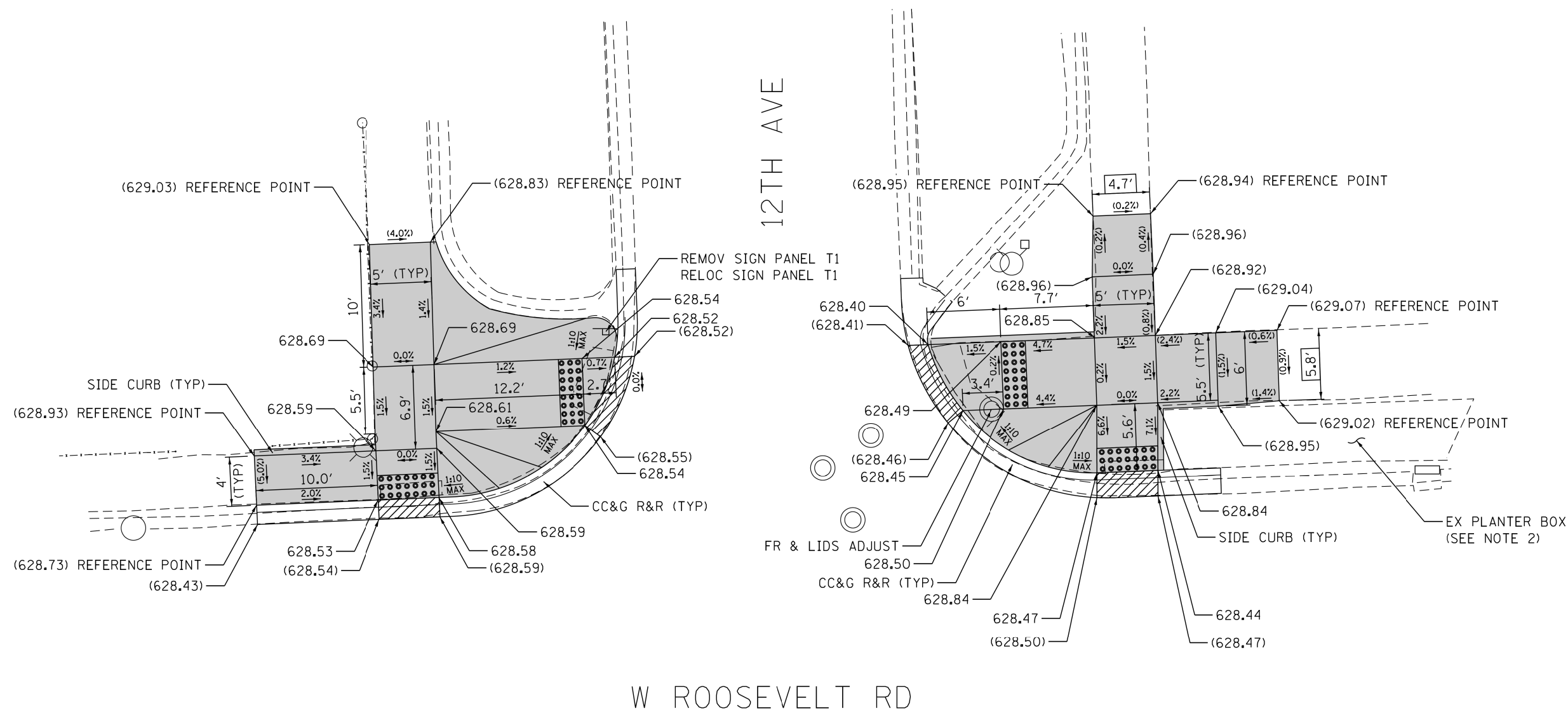
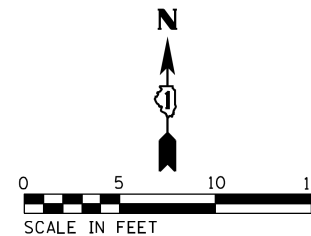
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS  
W ROOSEVELT RD AT S 13TH AVE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2016-084RS	COOK	74	39
CONTRACT NO. 62D64				

SCALE: 1" = 5' SHEET OF SHEETS STA. TO STA.

FILE NAME = Z:\17002\06 IDOT 01 W06 ADA Ramps Roosevelt\_Road\00\Design\Pre\01\Plotsheets\62D64-sht-detail\Remp-26.dgn



**NOTES:**

1. REFER TO ROADWAY AND PAVEMENT MARKING PLANS FOR PROPOSED PAVEMENT MARKINGS.
2. THE CONTRACTOR SHALL EXERCISE CAUTION NOT TO DAMAGE THE EXISITNG PLANTER.

REFERENCE BENCHMARK BM-17  
 BENCHMARK : NE BOLT FH  
 LOCATION : ON NW COR OF W ROOSEVELT RD AND S 13TH AVE

**LEGEND**

<span style="border: 1px solid black; padding: 2px;">XX.X'</span> EXISTING LENGTH	DETECTABLE WARNINGS	DEPRESSED CURB & GUTTER
( ) EXISTING ELEVATION/SLOPE	SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD	
PC CONC SIDEWALK 5		

REFERENCE BENCHMARK BM-18  
 BENCHMARK : SW BOLT FH  
 LOCATION : ON SW COR OF W ROOSEVELT RD AND S 11TH AVE

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

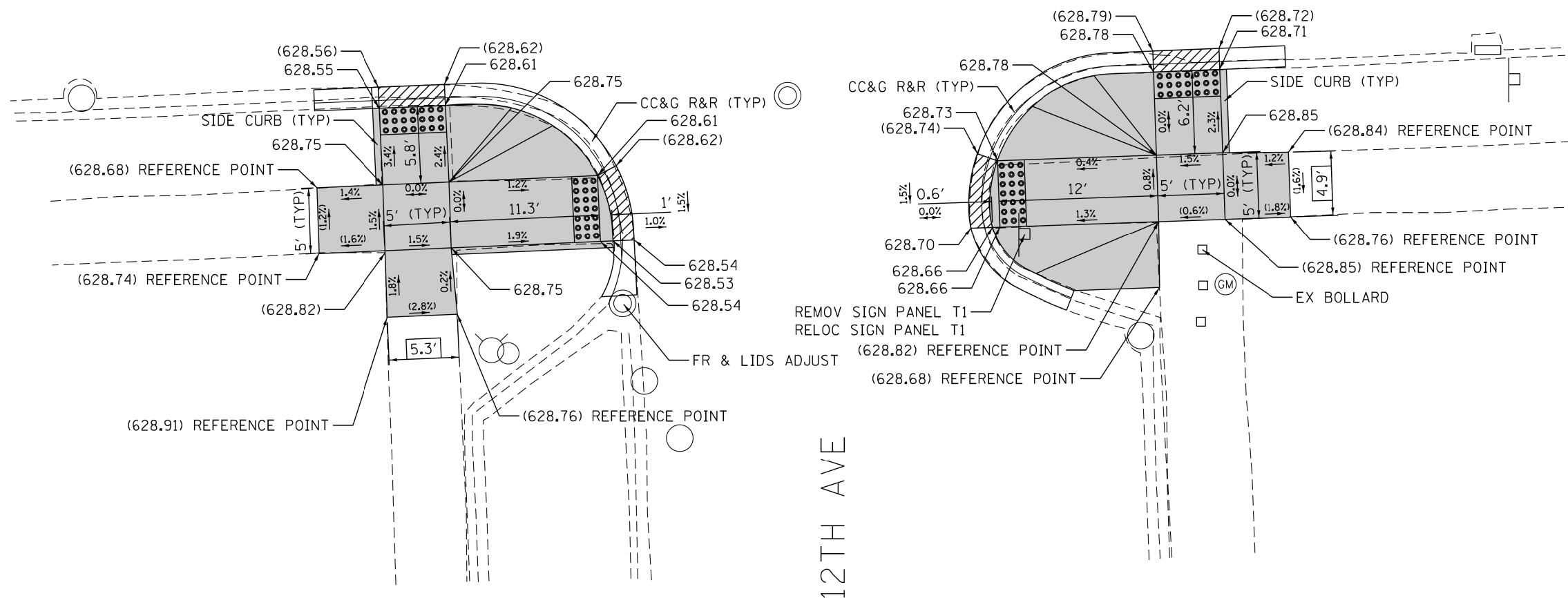
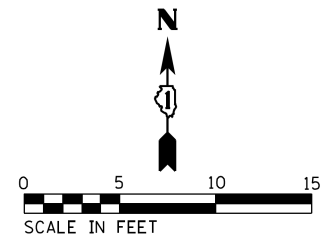
**ADA RAMP DETAILS  
 W ROOSEVELT RD AT 12TH AVE**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2016-084RS	COOK	74	40
CONTRACT NO. 62064				
ILLINOIS FED. AID PROJECT				

SCALE: 1" = 5' SHEET OF SHEETS STA. TO STA.



# W ROOSEVELT RD



NOTE:  
REFER TO ROADWAY AND PAVEMENT MARKING  
PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK BM-17  
BENCHMARK : NE BOLT FH  
LOCATION : ON NW COR OF W ROOSEVELT RD AND S 13TH AVE

### LEGEND

- XX.X' EXISTING LENGTH
- ( ) EXISTING ELEVATION/SLOPE
- PC CONC SIDEWALK 5
- DEPRESSURED CURB & GUTTER
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK BM-18  
BENCHMARK : SW BOLT FH  
LOCATION : ON SW COR OF W ROOSEVELT RD AND S 11TH AVE

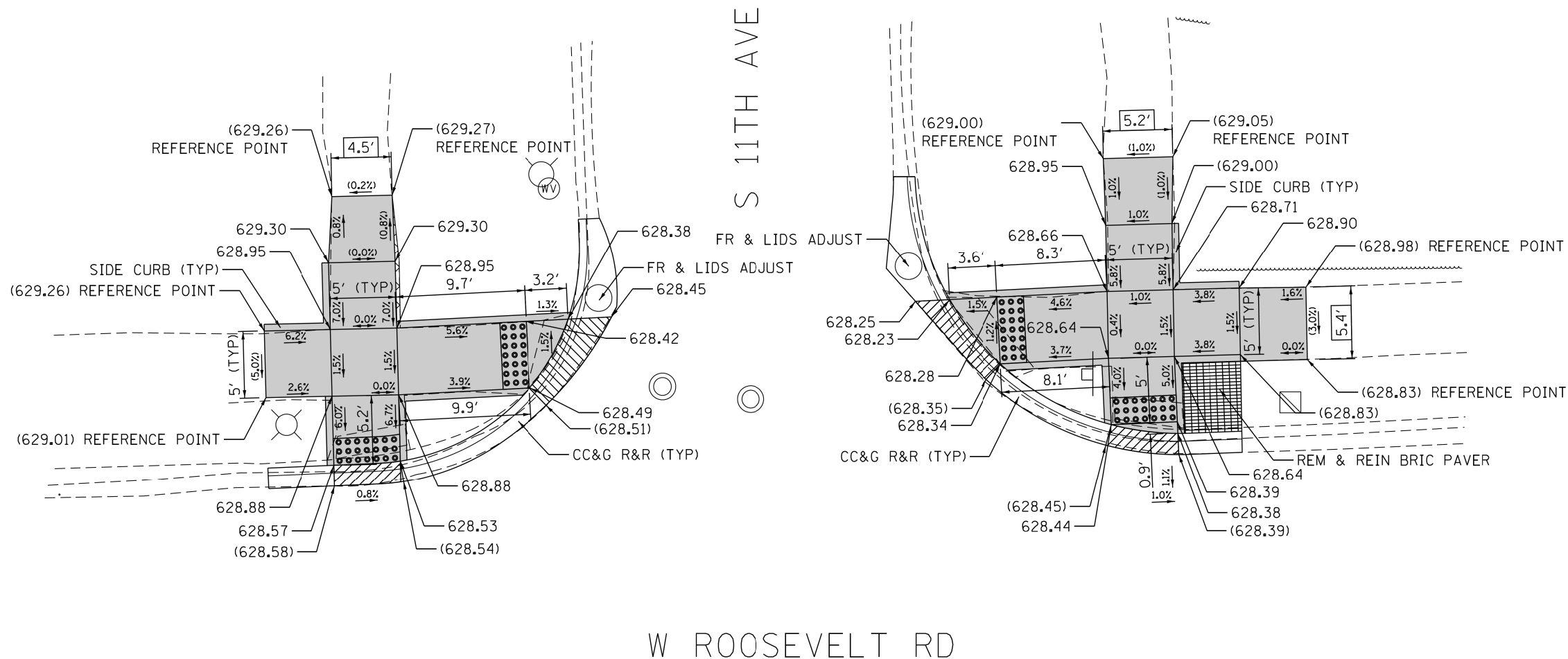
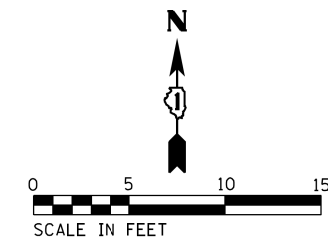
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS	
W ROOSEVELT RD AT 12TH AVE	
SCALE: 1" = 5'	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2016-084RS	COOK	74	41
CONTRACT NO. 62064				
ILLINOIS FED. AID PROJECT				



NOTE:  
REFER TO ROADWAY AND PAVEMENT MARKING  
PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK BM-18  
BENCHMARK : SW BOLT FH  
LOCATION : ON SW COR OF W ROOSEVELT RD AND S 11TH AVE

**LEGEND**

XX.X' EXISTING LENGTH  
( ) EXISTING ELEVATION/SLOPE

- PC CONC SIDEWALK 5
- DEPRESSED CURB & GUTTER
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

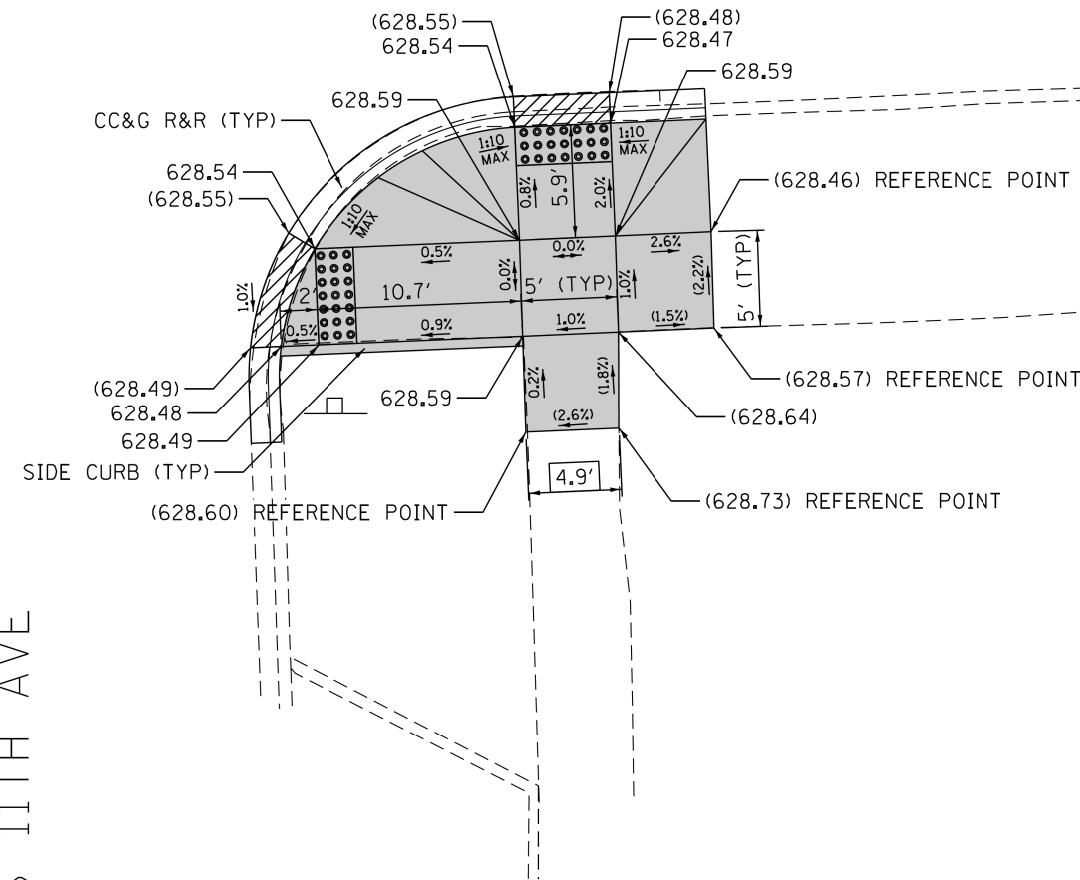
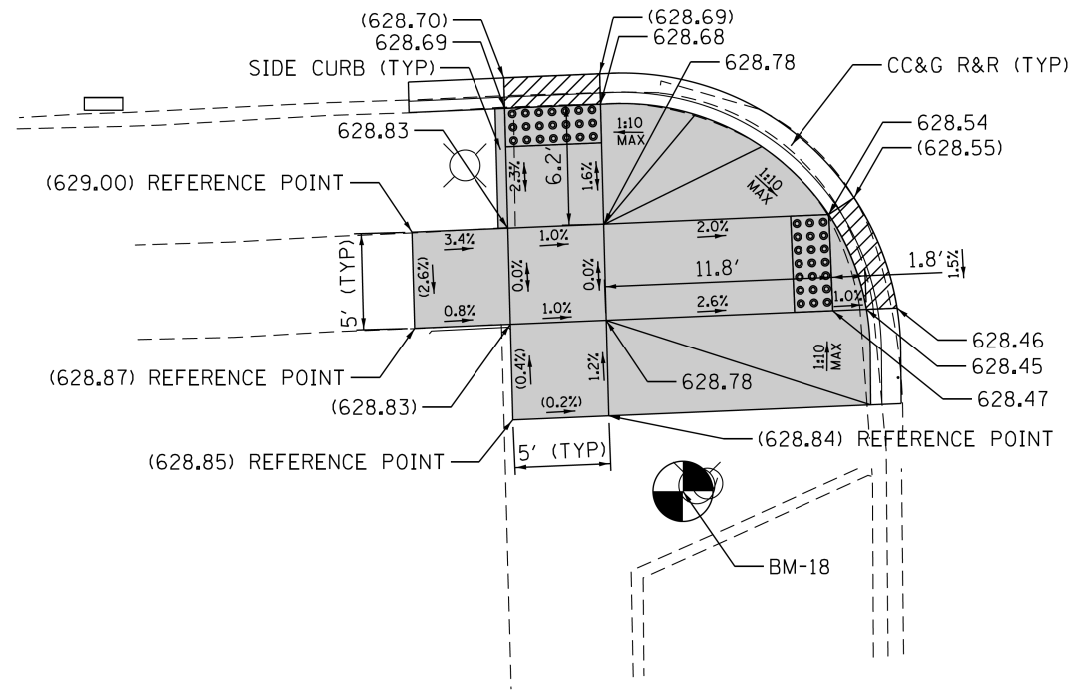
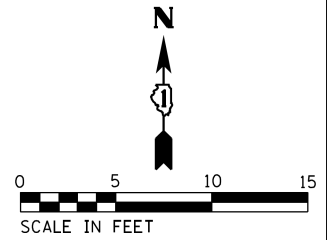
ADA RAMP DETAILS  
W ROOSEVELT RD AT S 11TH AVE

SCALE: 1" = 5' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2016-084RS	COOK	74	42
CONTRACT NO. 62D64				
ILLINOIS FED. AID PROJECT				

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W ROOSEVELT RD



S 11TH AVE

NOTE:  
REFER TO ROADWAY AND PAVEMENT MARKING  
PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK BM-18

BENCHMARK : SW BOLT FH

LOCATION : ON SW COR OF W ROOSEVELT RD AND S 11TH AVE

**LEGEND**

XX.X' EXISTING LENGTH

( ) EXISTING ELEVATION/SLOPE

PC CONC SIDEWALK 5

DETECTABLE WARNINGS

SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD

DEPRESSED CURB & GUTTER

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS  
W ROOSEVELT RD AT S 11TH AVE

SCALE: 1" = 5' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2016-084RS	COOK	74	43
CONTRACT NO. 62D64				
ILLINOIS FED. AID PROJECT				

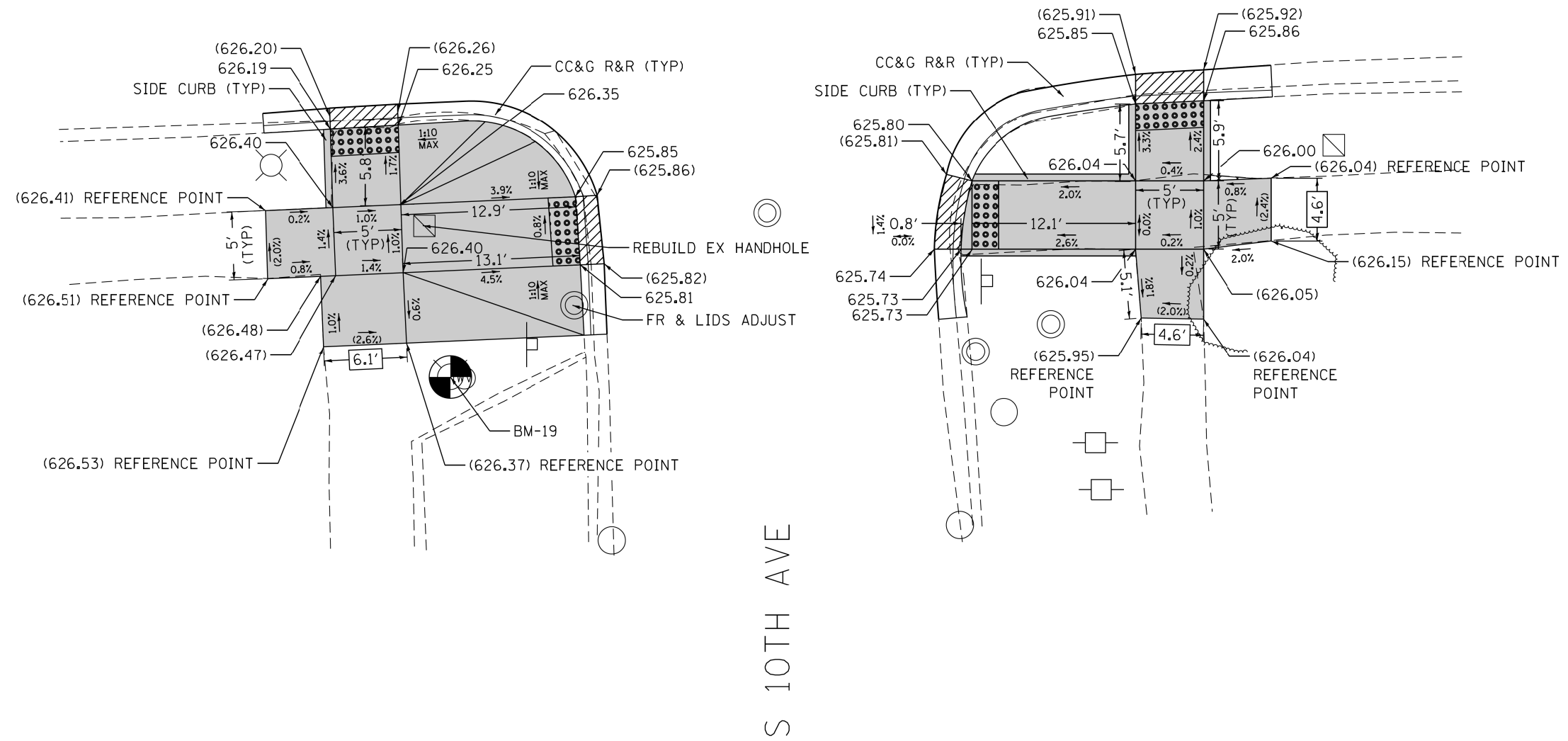
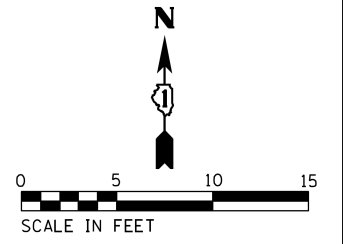
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W ROOSEVELT RD



NOTE:  
REFER TO ROADWAY AND PAVEMENT MARKING  
PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK BM-19  
BENCHMARK : NW BOLT FH  
LOCATION : ON SW COR OF W ROOSEVELT RD AND S 10TH AVE

**LEGEND**

- PC CONC SIDEWALK 5
- DEPRESSED CURB & GUTTER
- EXISTING LENGTH
- DETECTABLE WARNINGS
- EXISTING ELEVATION/SLOPE
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

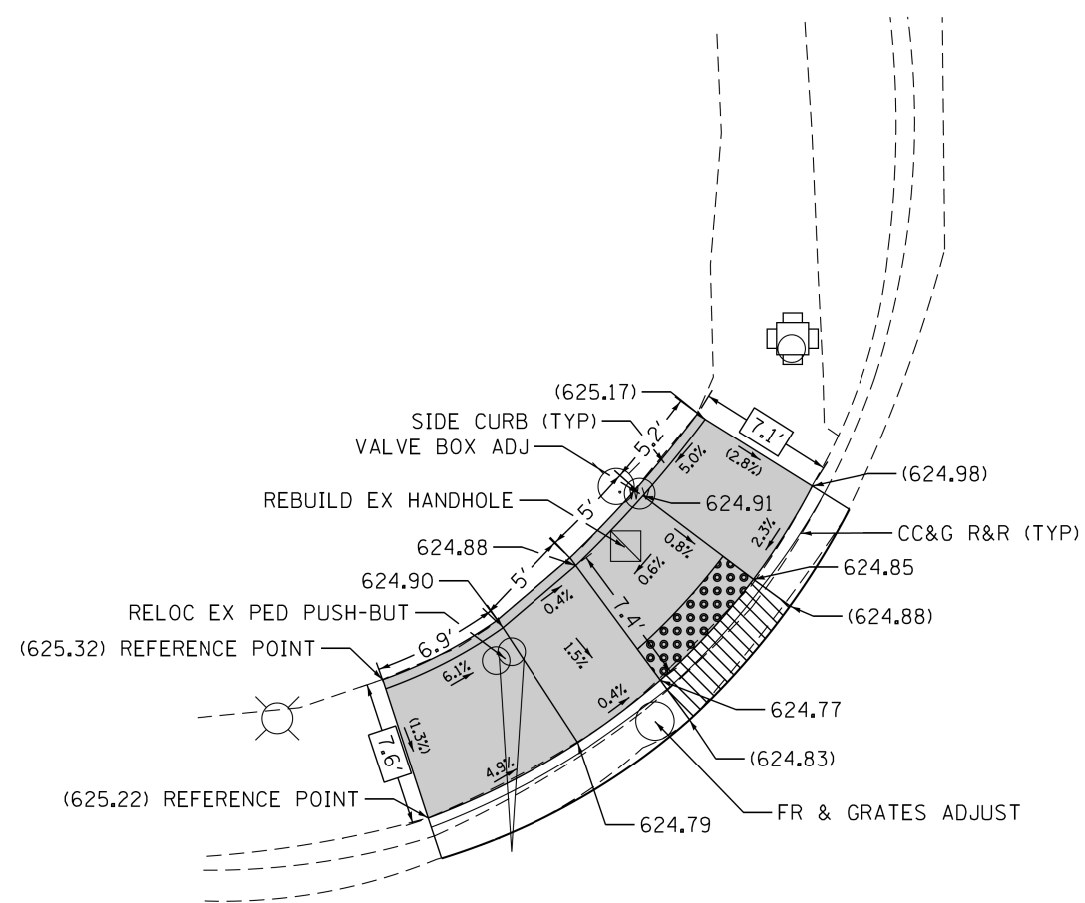
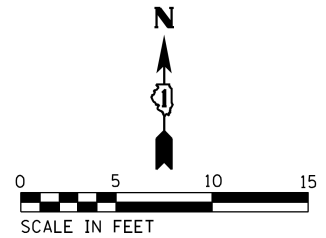
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS  
W ROOSEVELT RD AT S 10TH AVE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2016-084RS	COOK	74	45
CONTRACT NO. 62D64				

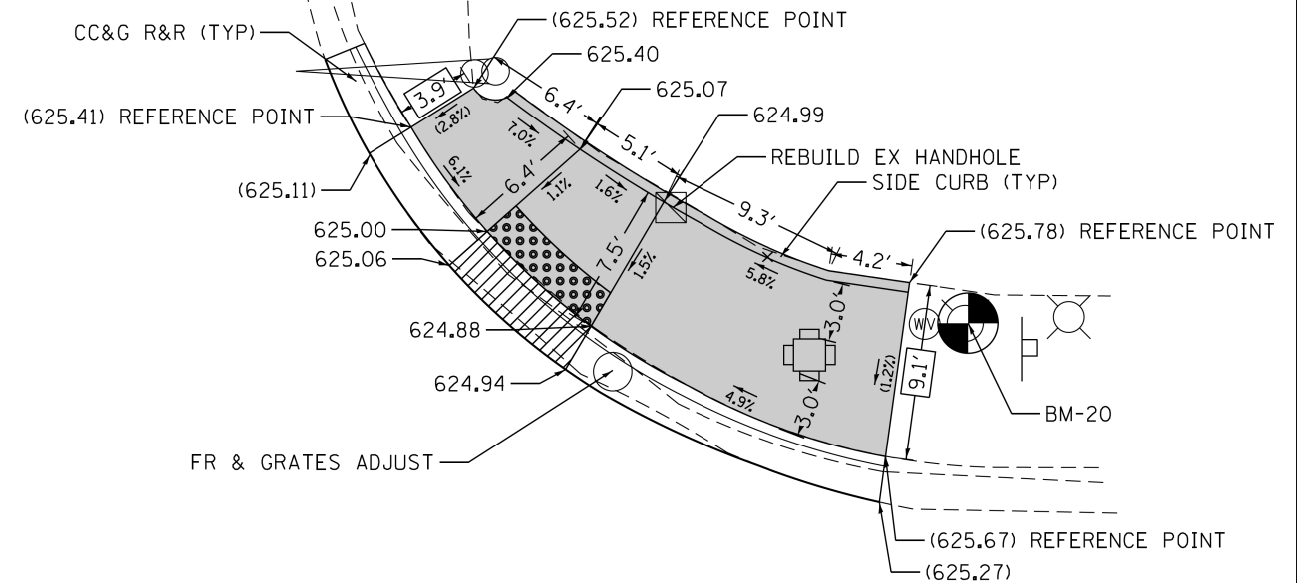
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S 9TH AVE

W ROOSEVELT RD



NOTE:  
REFER TO ROADWAY AND PAVEMENT MARKING  
PLANS FOR PROPOSED PAVEMENT MARKINGS.

**LEGEND**

- XX.X' EXISTING LENGTH
- ( ) EXISTING ELEVATION/SLOPE
- PC CONC SIDEWALK 5
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD
- DEPRESSED CURB & GUTTER

REFERENCE BENCHMARK BM-20  
BENCHMARK : NE BOLT FH  
LOCATION : ON NE COR OF W ROOSEVELT RD AND S 9TH AVE

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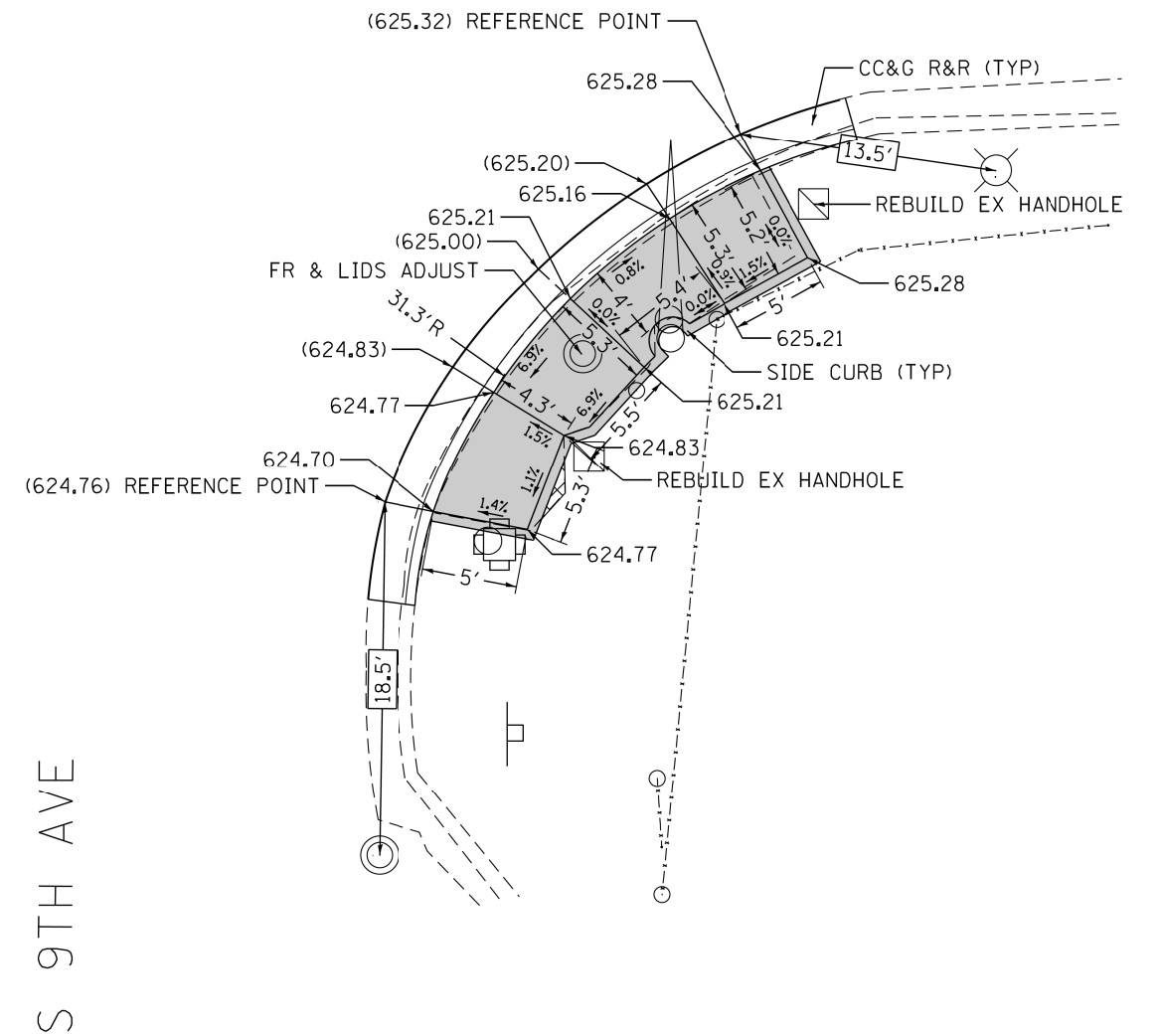
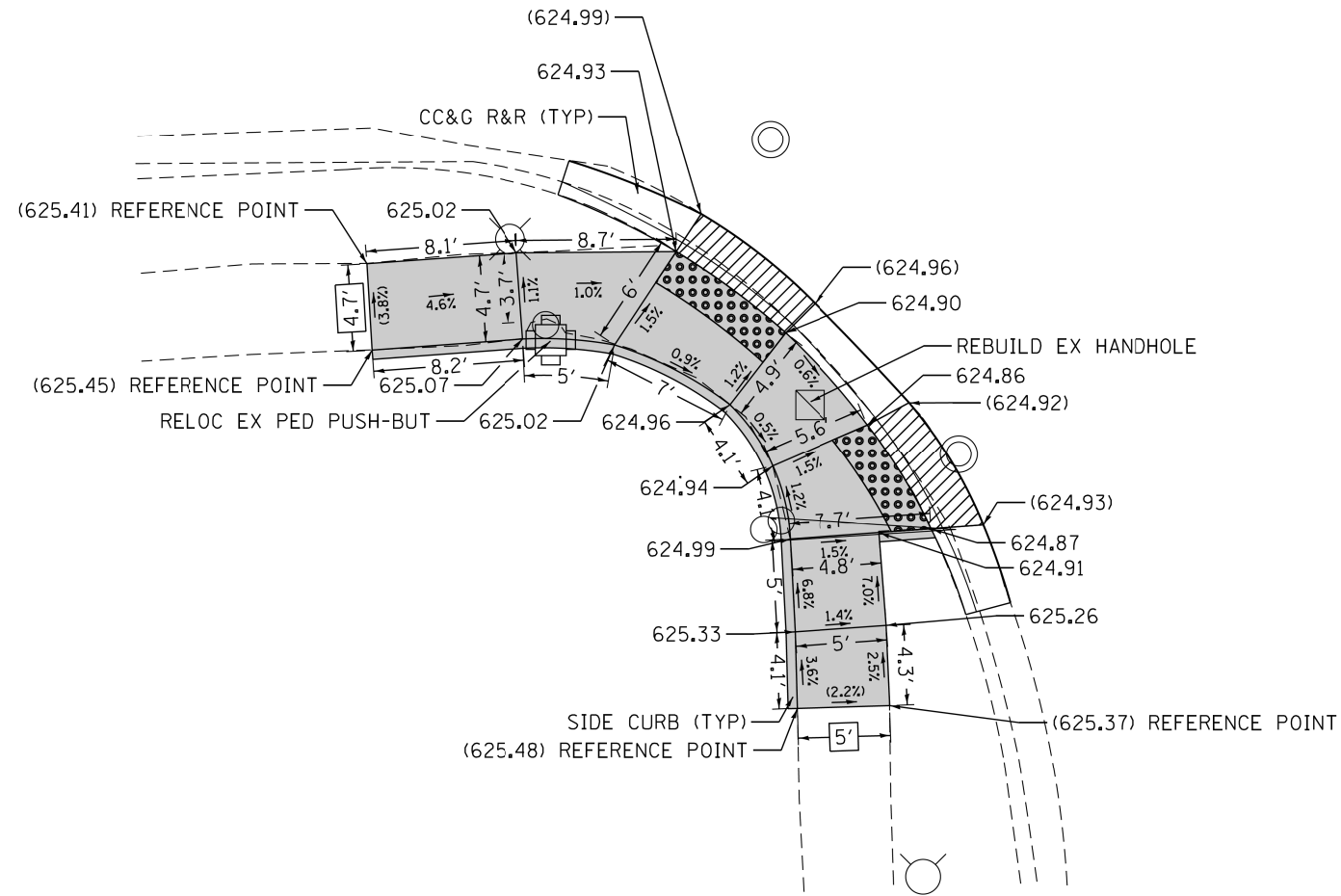
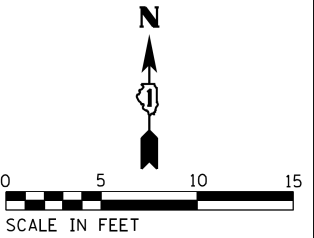
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS  
W ROOSEVELT RD AT S 9TH AVE

SCALE: 1" = 5' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2016-084RS	COOK	74	46
CONTRACT NO. 62064				
ILLINOIS FED. AID PROJECT				

# W ROOSEVELT RD



NOTE:  
REFER TO ROADWAY AND PAVEMENT MARKING  
PLANS FOR PROPOSED PAVEMENT MARKINGS.

## LEGEND

- XX.X' EXISTING LENGTH
- ( ) EXISTING ELEVATION/SLOPE
- PC CONC SIDEWALK 5
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD
- DEPRESSED CURB & GUTTER

REFERENCE BENCHMARK BM-20  
BENCHMARK : NE BOLT FH  
LOCATION : ON NE COR OF W ROOSEVELT RD AND S 9TH AVE

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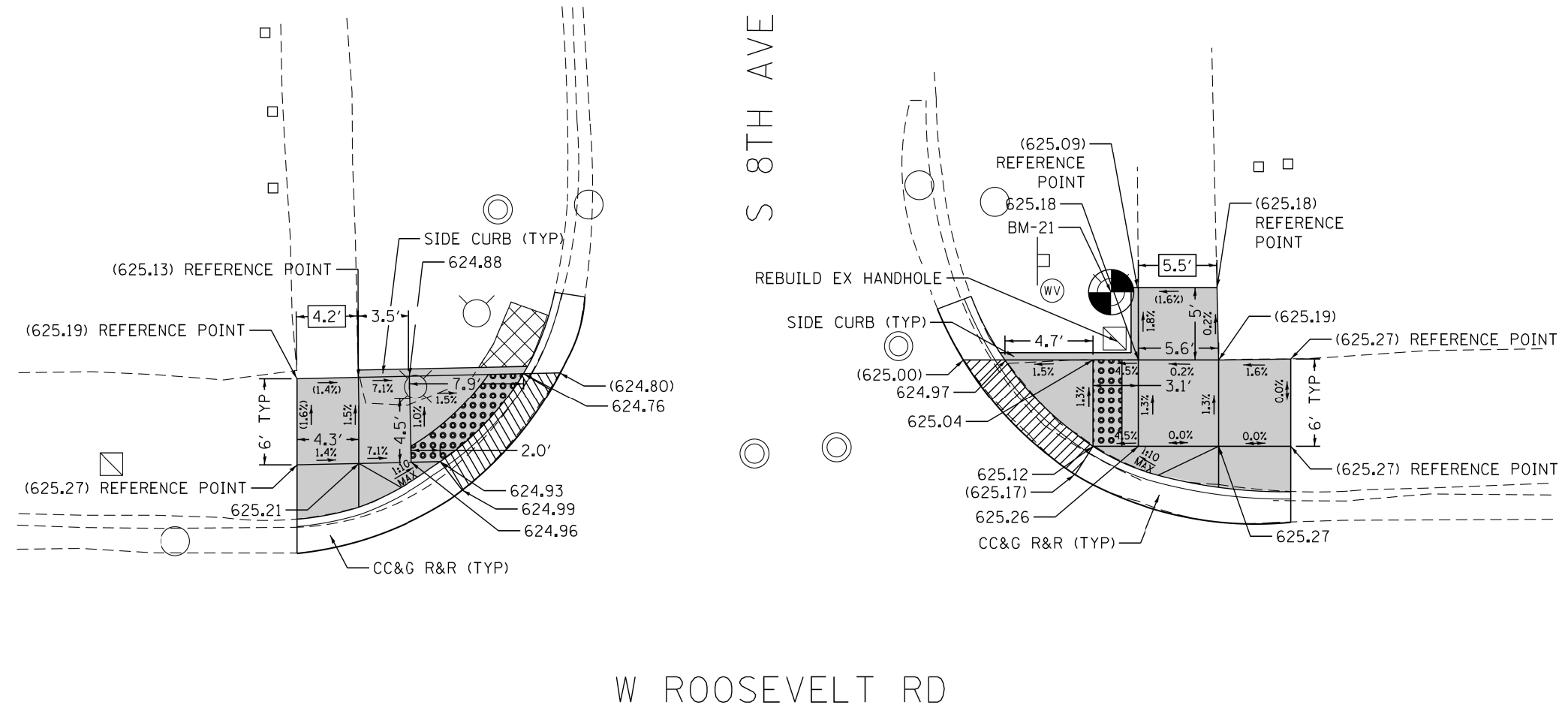
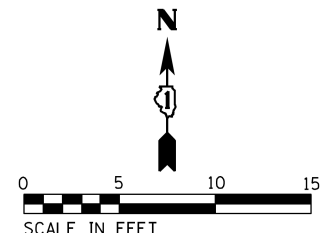
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ADA RAMP DETAILS  
W ROOSEVELT RD AT S 9TH AVE**

SCALE: 1" = 5'    SHEET    OF    SHEETS    STA.    TO    STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2016-084RS	COOK	74	47
CONTRACT NO. 62064				
ILLINOIS FED. AID PROJECT				



NOTE:  
REFER TO ROADWAY AND PAVEMENT MARKING  
PLANS FOR PROPOSED PAVEMENT MARKINGS.

**LEGEND**

- XX.X' EXISTING LENGTH
- ( ) EXISTING ELEVATION/SLOPE
- PC CONC SIDEWALK 5
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD
- DEPRESSED CURB & GUTTER

REFERENCE BENCHMARK BM-21  
BENCHMARK : NE BOLT FH  
LOCATION : ON NE COR OF W ROOSEVELT RD AND S 8TH AVE

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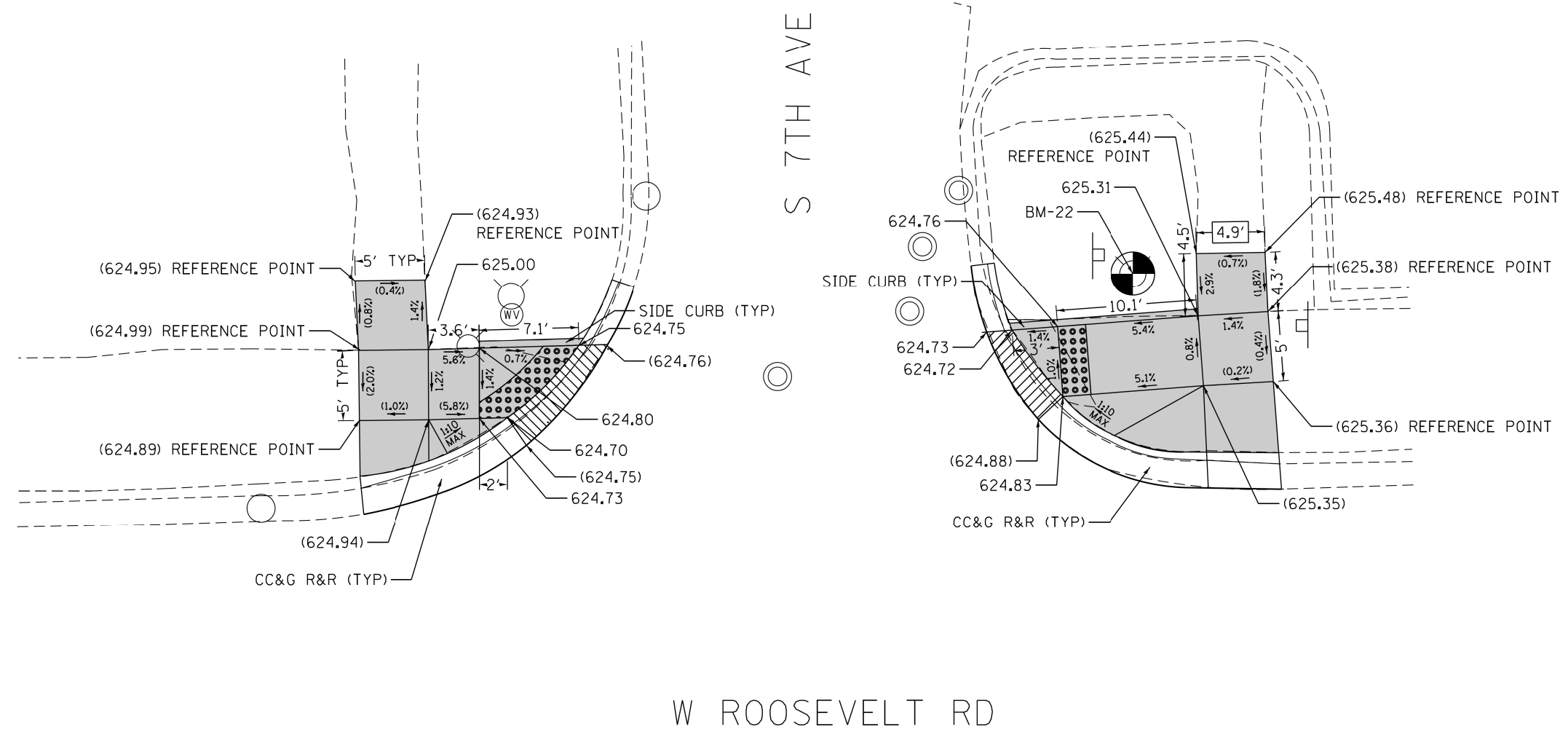
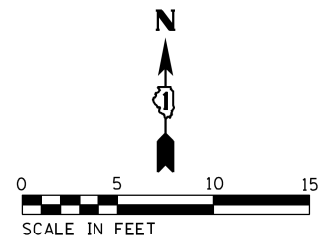
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ADA RAMP DETAILS  
W ROOSEVELT RD AT S 8TH AVE**

SCALE: 1" = 5'    SHEET    OF    SHEETS    STA.    TO    STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2016-084RS	COOK	74	48
CONTRACT NO. 62064				
ILLINOIS FED. AID PROJECT				





NOTE:  
REFER TO ROADWAY AND PAVEMENT MARKING  
PLANS FOR PROPOSED PAVEMENT MARKINGS.

**LEGEND**

XX.X' EXISTING LENGTH  
( ) EXISTING ELEVATION/SLOPE

- PC CONC SIDEWALK 5
- DEPRESSED CURB & GUTTER
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK BM-22  
BENCHMARK : NE BOLT FH  
LOCATION : ON NE COR OF W ROOSEVELT RD AND S 7TH AVE

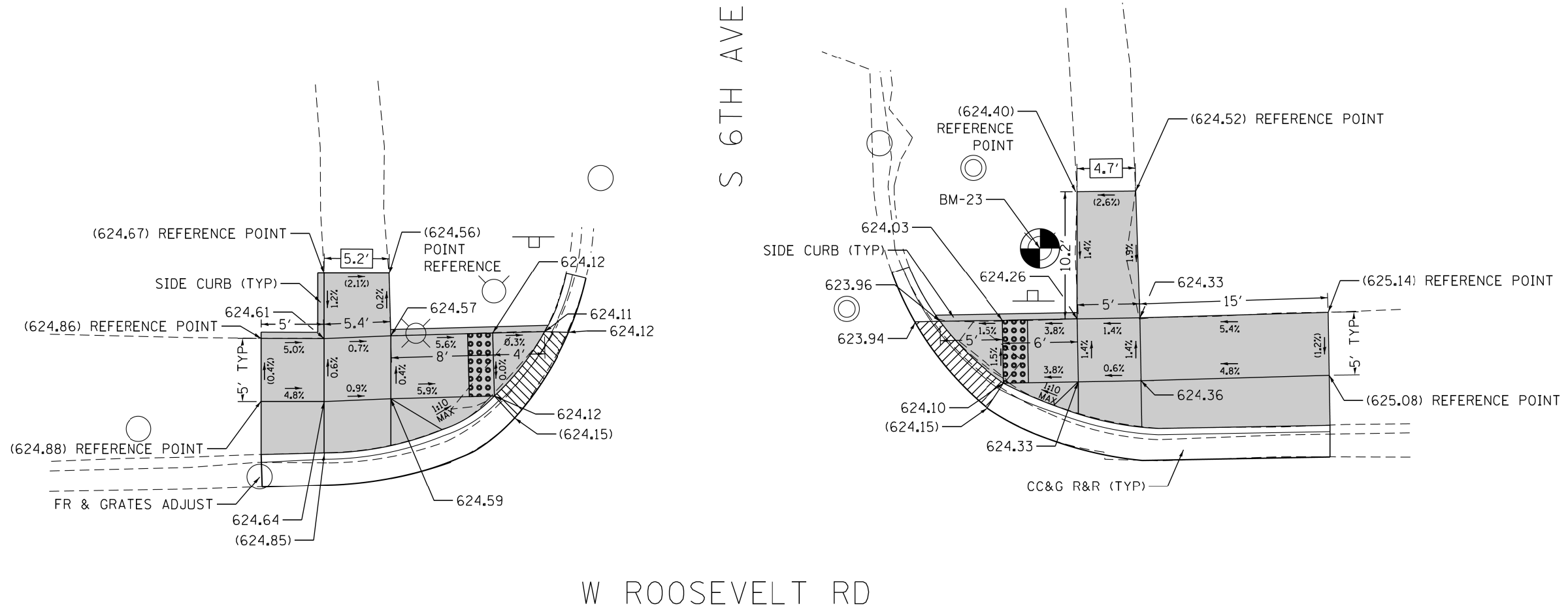
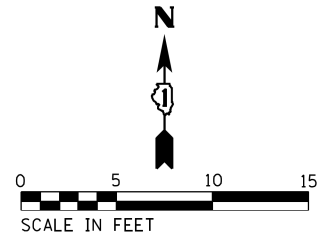
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS			
W ROOSEVELT RD AT S 7TH AVE			
SCALE: 1" = 5'	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2016-084RS	COOK	74	49
CONTRACT NO. 62064				
ILLINOIS FED. AID PROJECT				



NOTE:  
REFER TO ROADWAY AND PAVEMENT MARKING  
PLANS FOR PROPOSED PAVEMENT MARKINGS.

**LEGEND**

- XX.X' EXISTING LENGTH
- ( ) EXISTING ELEVATION/SLOPE
- PC CONC SIDEWALK 5
- DEPRESSIBLE CURB & GUTTER
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK BM-23  
BENCHMARK : NE BOLT FH  
LOCATION : ON NE COR OF W ROOSEVELT RD AND S 6TH AVE

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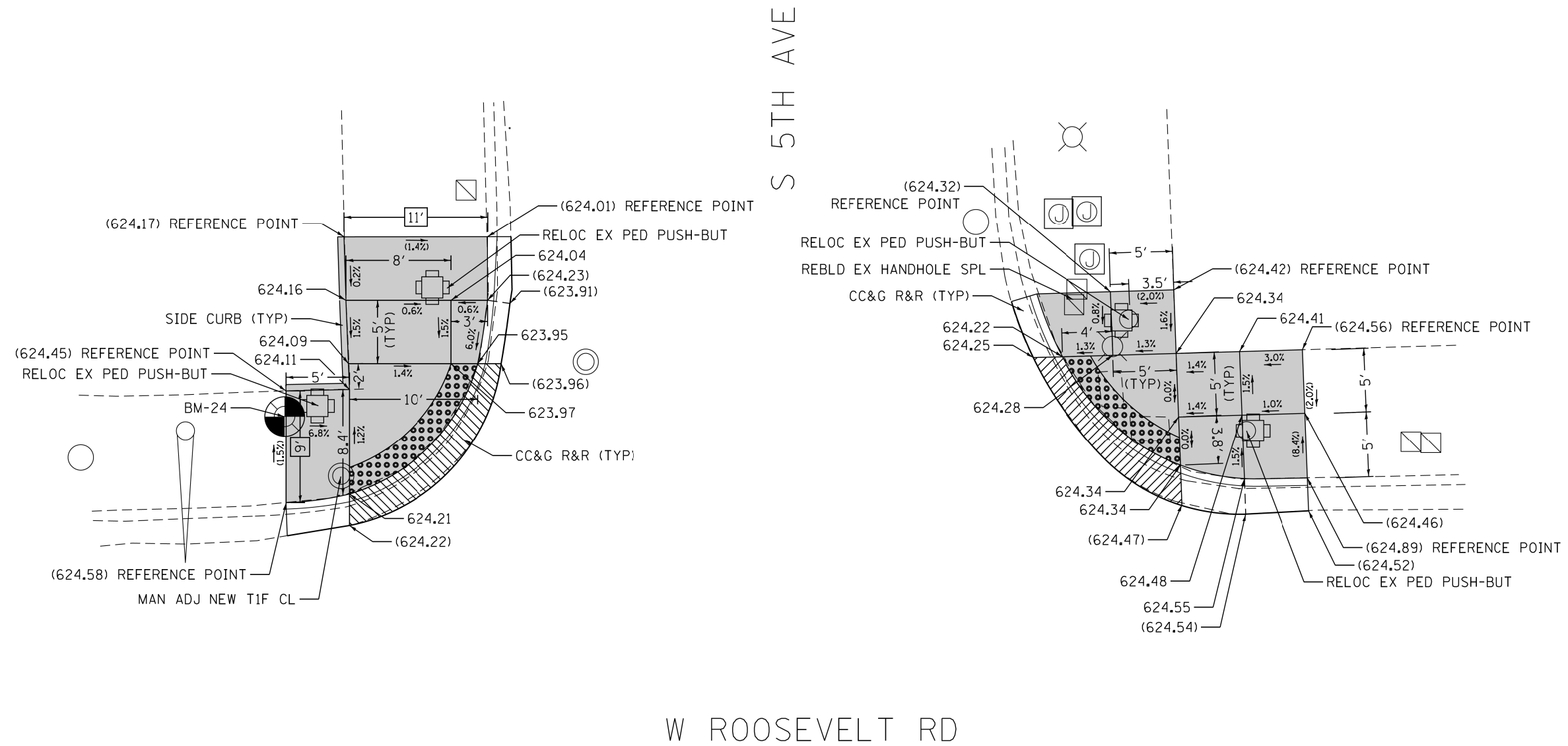
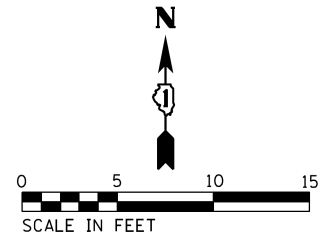
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS  
W ROOSEVELT RD AT S 6TH AVE

SCALE: 1" = 5' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2016-084RS	COOK	74	50
CONTRACT NO. 62064				
ILLINOIS FED. AID PROJECT				



NOTE:  
REFER TO ROADWAY AND PAVEMENT MARKING  
PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK BM-24  
BENCHMARK : ANCHOR BOLT  
LOCATION : ON NW COR OF W ROOSEVELT RD AND S 5TH AVE

**LEGEND**

- XX.X' EXISTING LENGTH
- ( ) EXISTING ELEVATION/SLOPE
- PC CONC SIDEWALK 5
- DEPRESSIBLE CURB & GUTTER
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

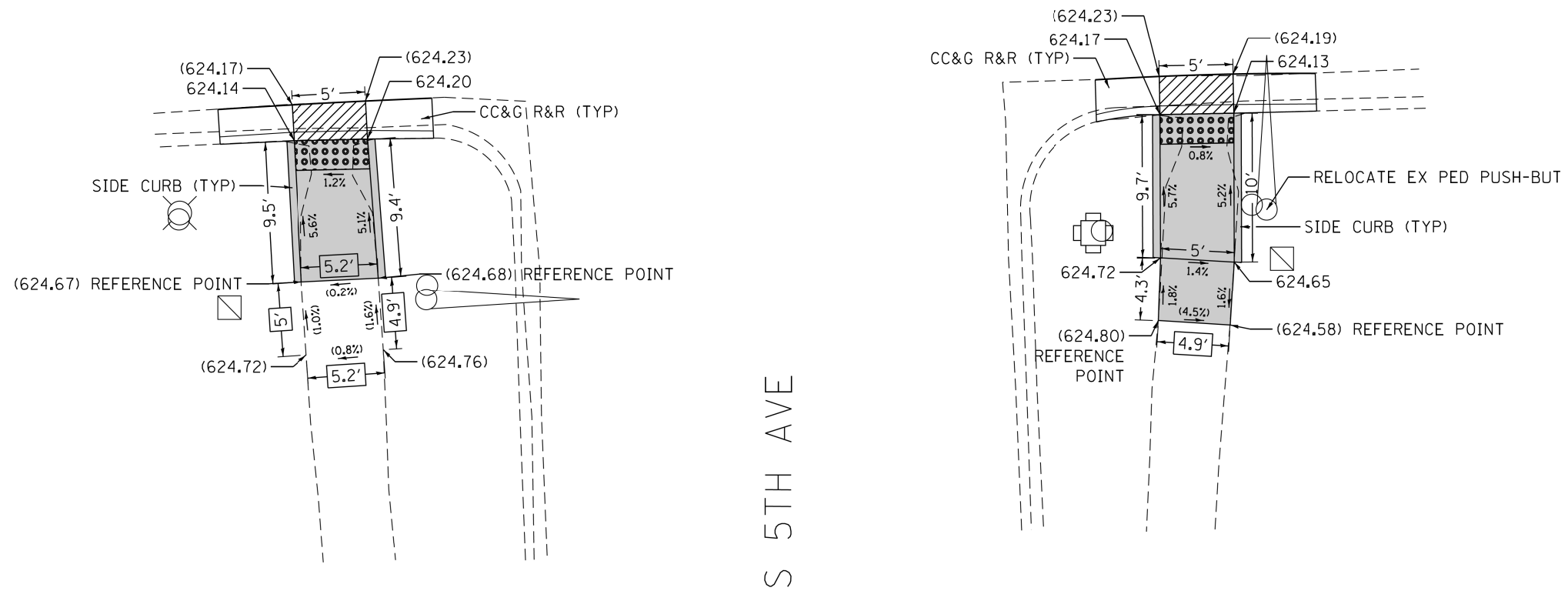
**ADA RAMP DETAILS  
W ROOSEVELT RD AT S 5TH AVE**

SCALE: 1" = 5'      SHEET      OF      SHEETS      STA.      TO      STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2016-084RS	COOK	74	51
<b>CONTRACT NO. 62D64</b>				
ILLINOIS FED. AID PROJECT				

FILE NAME = Z:\17002\06 IDOT 01 W06 ADA Ramps Roosevelt\_Road\00\Design\Pre\PlotSheets\62D64-sht-detail-Ramp-38.dgn

W ROOSEVELT RD



NOTE:  
REFER TO ROADWAY AND PAVEMENT MARKING  
PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK BM-24

BENCHMARK : ANCHOR BOLT

LOCATION : ON NW COR OF W ROOSEVELT RD AND S 5TH AVE

**LEGEND**

XX.X' EXISTING LENGTH

( ) EXISTING ELEVATION/SLOPE

PC CONC SIDEWALK 5

DETECTABLE WARNINGS

SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

DEPRESSED CURB & GUTTER

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

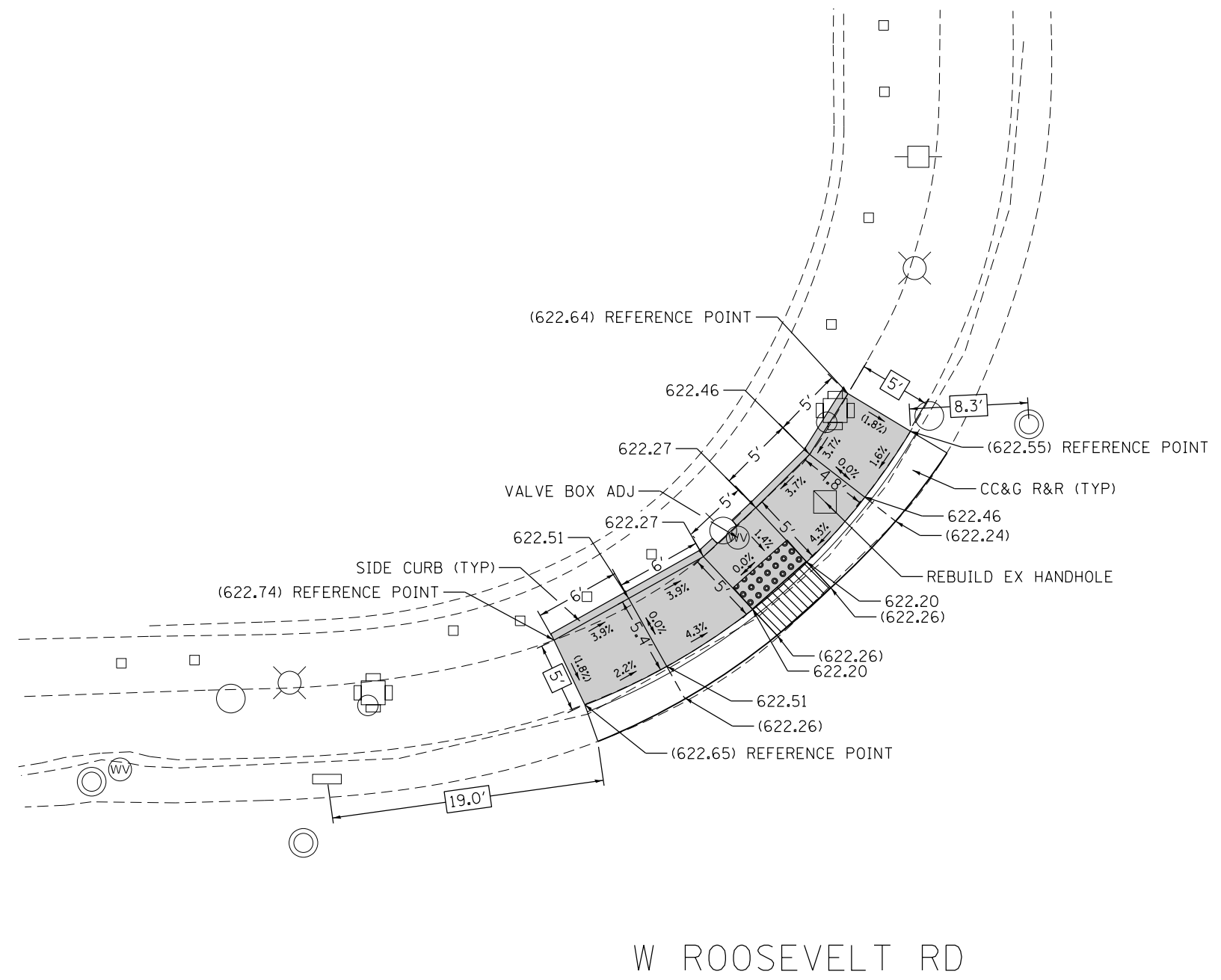
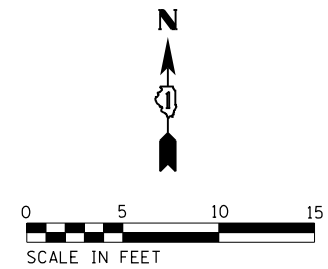
ADA RAMP DETAILS  
W ROOSEVELT RD AT S 5TH AVE

SCALE: 1" = 5' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2016-084R5	COOK	74	52
				CONTRACT NO. 62D64
ILLINOIS FED. AID PROJECT				

FILE NAME = Z:\17002\06 IDOT 01 W06 ADA Ramps Roosevelt\_Road\00A\Design\Pre\01\Plotsheets\62D64-sht-detail\Remp-39.dgn

Default



DES PLAINES AVE

W ROOSEVELT RD

NOTE:  
REFER TO ROADWAY AND PAVEMENT MARKING  
PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK BM-24  
BENCHMARK : ANCHOR BOLT  
LOCATION : ON NW COR OF W ROOSEVELT RD AND S 5TH AVE

**LEGEND**

- XX.X' EXISTING LENGTH
- ( ) EXISTING ELEVATION/SLOPE
- PC CONC SIDEWALK 5
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD
- DEPRESSED CURB & GUTTER

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ADA RAMP DETAILS  
W ROOSEVELT RD AT S DES PLAINES AVE**

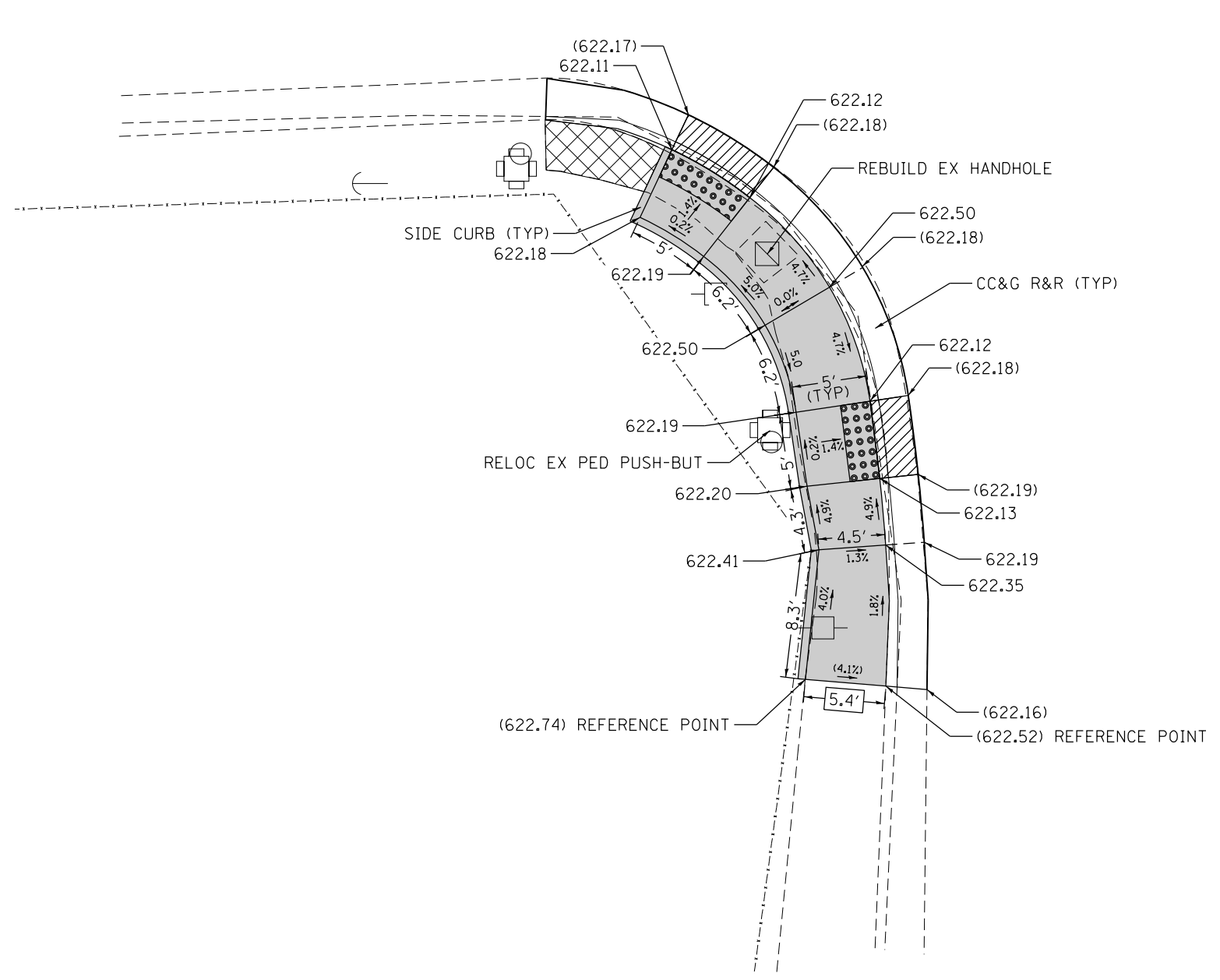
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2016-084RS	COOK	74	52A
CONTRACT NO. 62D64				

SCALE: 1" = 5'      SHEET    OF    SHEETS    STA.                    TO STA.

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PLOT DATE = 4/24/2018	DATE - 04/24/2018	REVISED -

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W ROOSEVELT RD



DES PLAINES AVE

NOTE:  
REFER TO ROADWAY AND PAVEMENT MARKING  
PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK BM-24  
BENCHMARK : ANCHOR BOLT  
LOCATION : ON NW COR OF W ROOSEVELT RD AND S 5TH AVE

**LEGEND**

- XX.X' EXISTING LENGTH
- ( ) EXISTING ELEVATION/SLOPE
- PC CONC SIDEWALK 5
- DEPRESSSED CURB & GUTTER
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS  
W ROOSEVELT RD AT S DES PLAINES AVE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2016-084RS	COOK	74	52B
CONTRACT NO. 62D64				

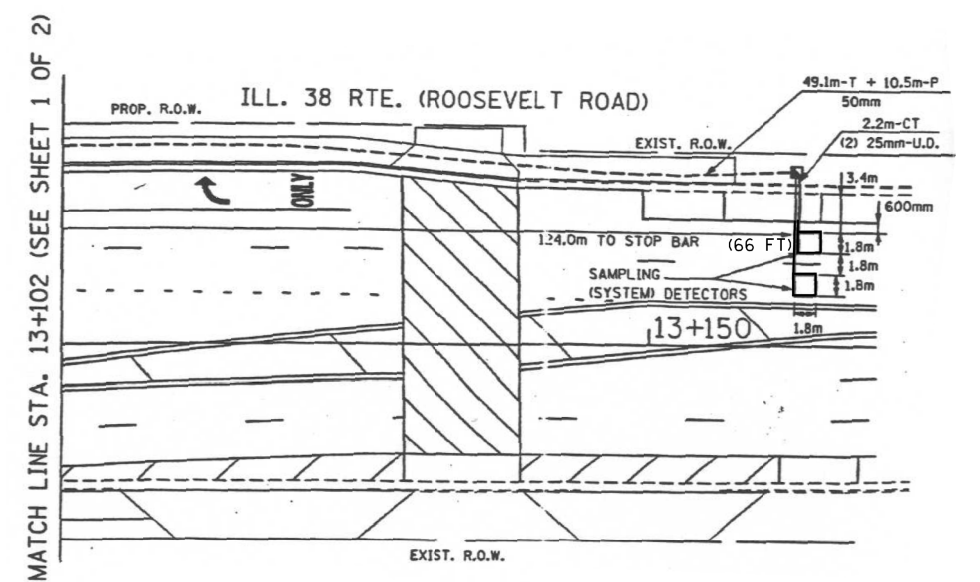
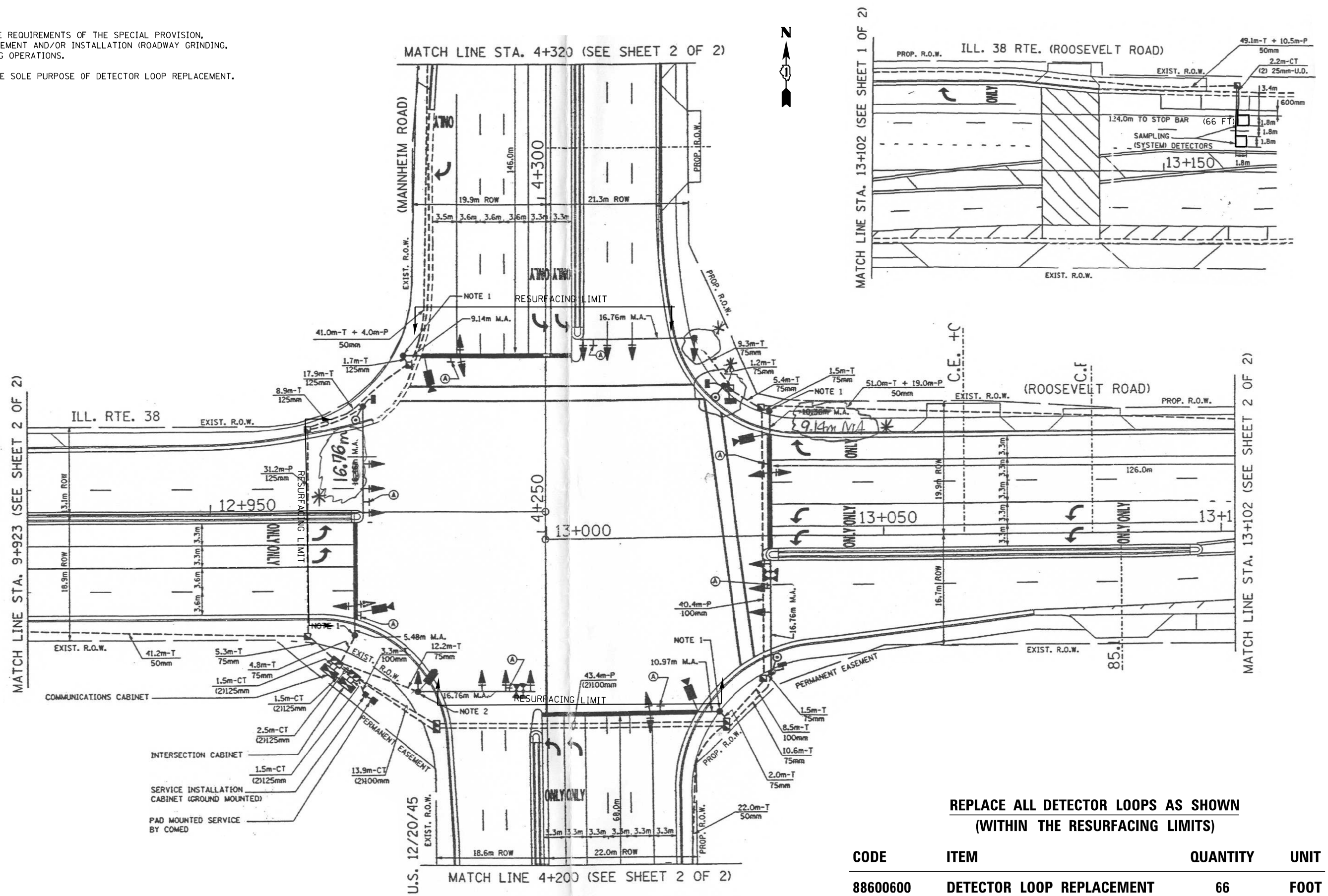
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**NOTES:**

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.



**REPLACE ALL DETECTOR LOOPS AS SHOWN  
(WITHIN THE RESURFACING LIMITS)**

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	66	FOOT

MODEL: Default  
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 PROJECT: 107317-24r-detailed

USER NAME = curryw	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/1/2018	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

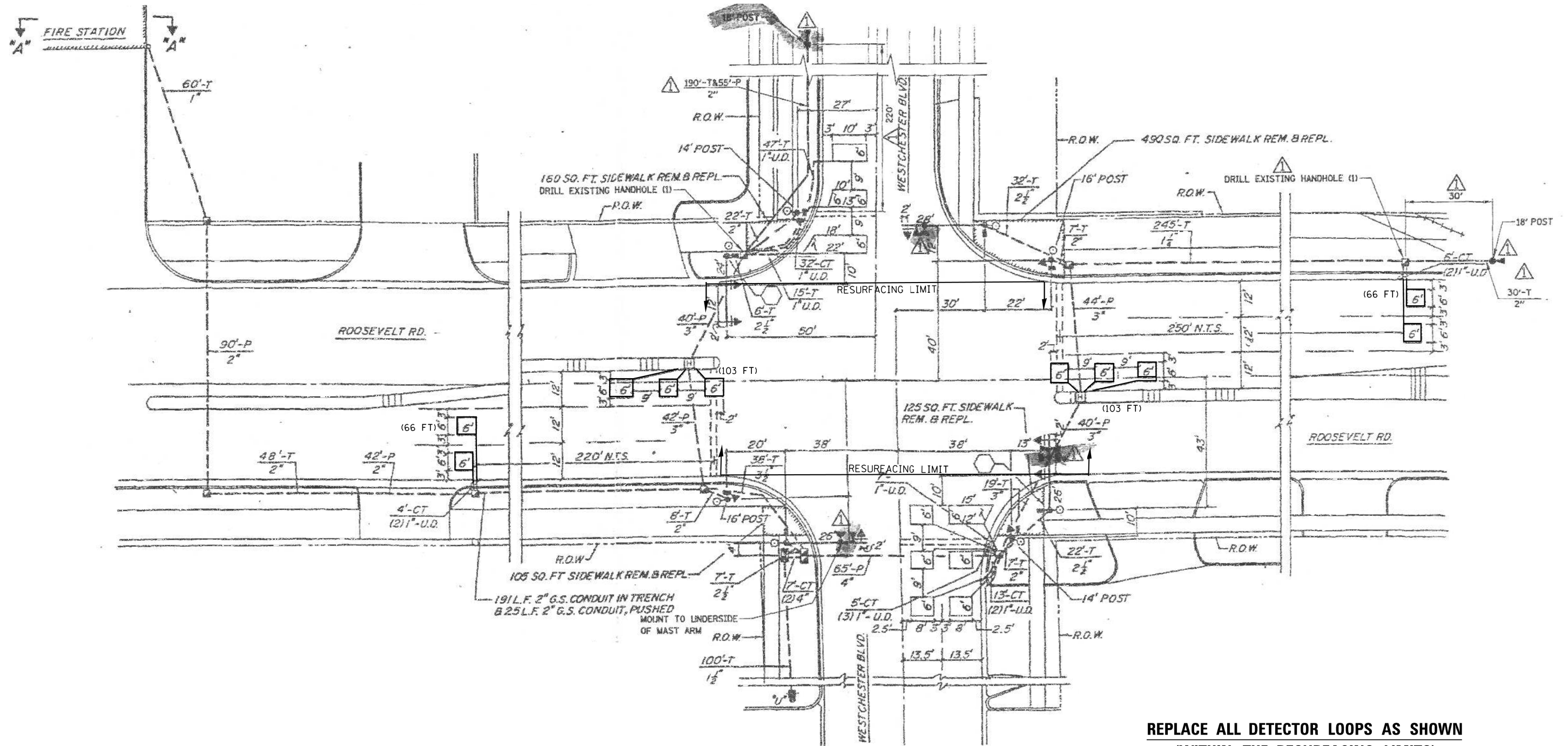
**DETECTOR LOOP REPLACEMENT PLAN**  
**ILL 38 (ROOSEVELT) AT US 12/20/45 (MANNHEIM RD)**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2016-084RS	COOK	74	53
CONTRACT NO.			62D64	
ILLINOIS		FED. AID PROJECT		

SCALE: SHEET OF SHEETS STA. TO STA.

**NOTES:**

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.



**REPLACE ALL DETECTOR LOOPS AS SHOWN  
(WITHIN THE RESURFACING LIMITS)**

ITEM	QUANTITY	UNIT
DETECTOR LOOP REPLACEMENT	338	FOOT

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT PLAN  
IL 38 (ROOSEVELT RD) AT WESTCHESTER BLVD

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2016-084RS	COOK	74	54
CONTRACT NO.			62D64	
ILLINOIS		FED. AID PROJECT		

SCALE: SHEET OF SHEETS STA. TO STA.

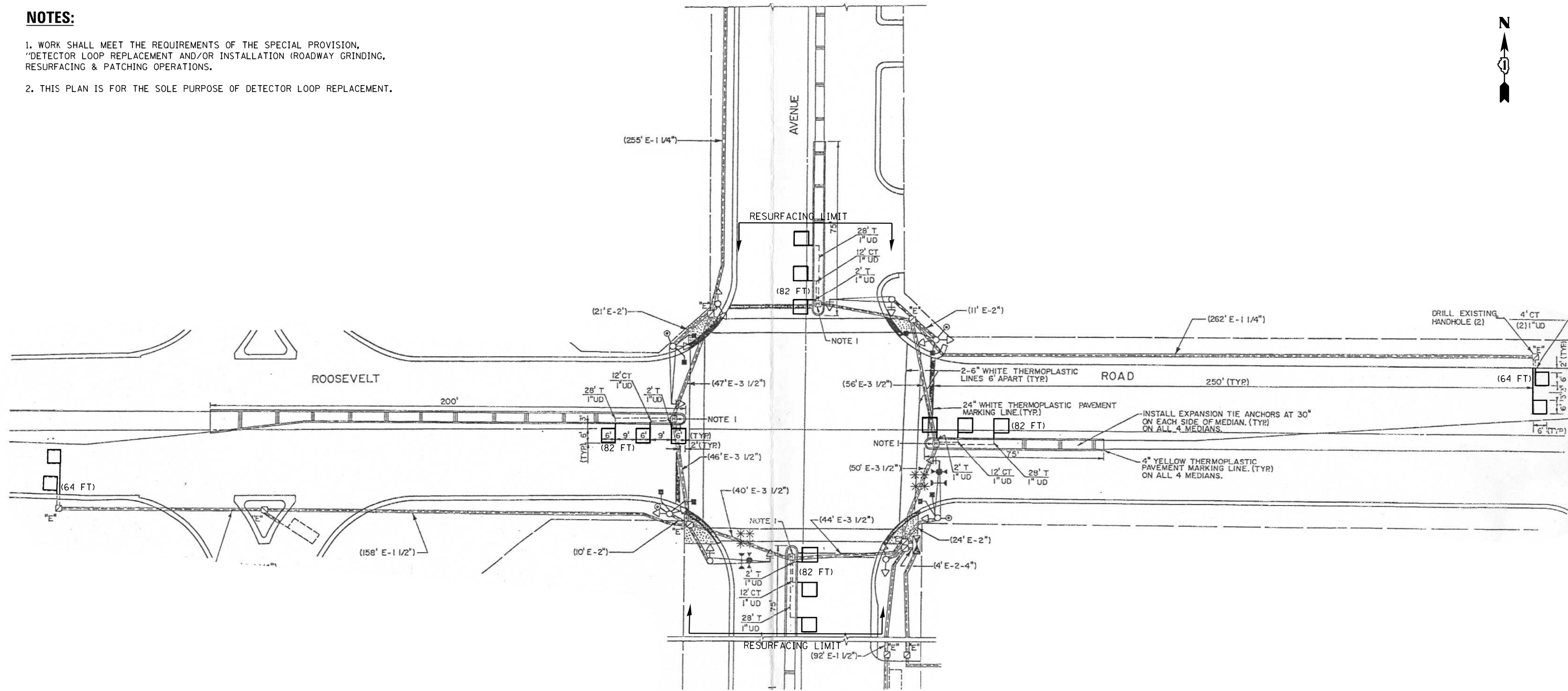
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 DATE: 3/1/2018

USER NAME = curryw	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/1/2018	CHECKED -	REVISED -
	DATE -	REVISED -



**NOTES:**

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.



**REPLACE ALL DETECTOR LOOPS AS SHOWN  
(WITHIN THE RESURFACING LIMITS)**

ITEM	QUANTITY	UNIT
DETECTOR LOOP REPLACEMENT	456	FOOT

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

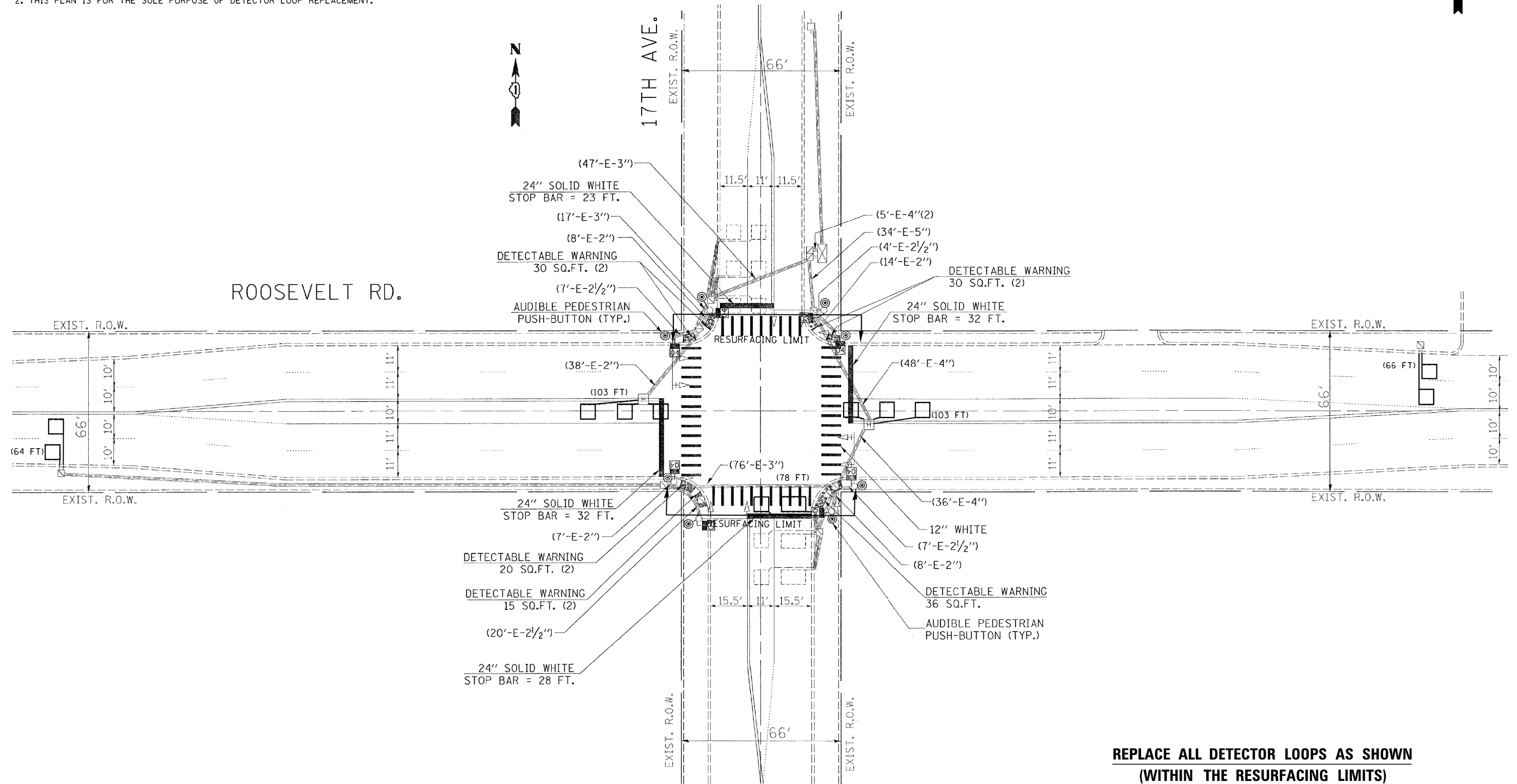
**DETECTOR LOOP REPLACEMENT PLAN  
IL 38 (ROOSEVELT RD) AT 25TH**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2016-084RS	COOK	74	55
CONTRACT NO.			62D64	
ILLINOIS FED. AID PROJECT				

**NOTES:**

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.



**REPLACE ALL DETECTOR LOOPS AS SHOWN  
(WITHIN THE RESURFACING LIMITS)**

ITEM	QUANTITY	UNIT
DETECTOR LOOP REPLACEMENT	414	FOOT

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	DRAWN -	REVISED -
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PLOT DATE = 3/1/2018	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

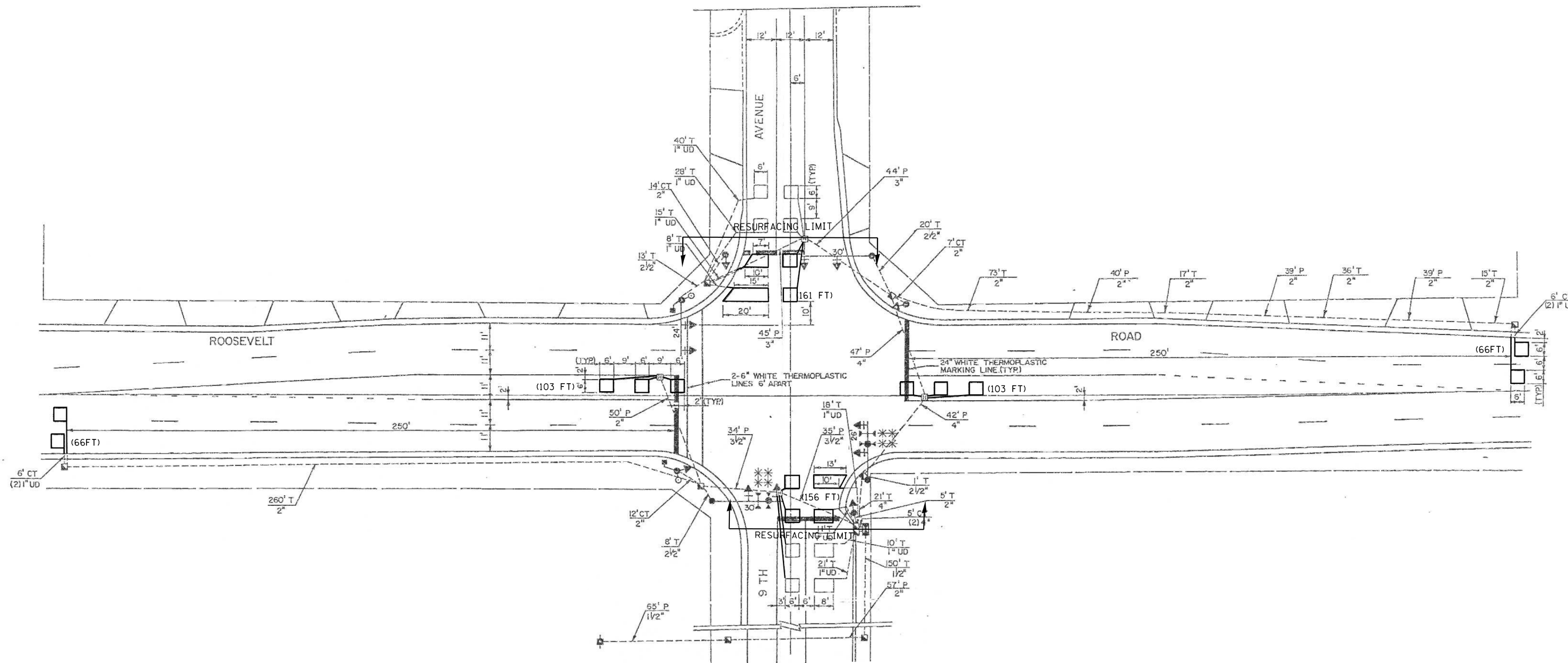
**DETECTOR LOOP REPLACEMENT PLAN  
IL 38 (ROOSEVELT RD) AT 17TH**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2016-084RS	COOK	74	56
CONTRACT NO.			62D64	
ILLINOIS FED. AID PROJECT				

**NOTES:**

- 1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
- 2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.



**REPLACE ALL DETECTOR LOOPS AS SHOWN  
(WITHIN THE RESURFACING LIMITS)**

ITEM	QUANTITY	UNIT
DETECTOR LOOP REPLACEMENT	655	FOOT

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN  
IL 38 (ROOSEVELT RD) AT 9TH**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2016-084RS	COOK	74	57
ILLINOIS FED. AID PROJECT				CONTRACT NO. 62D64

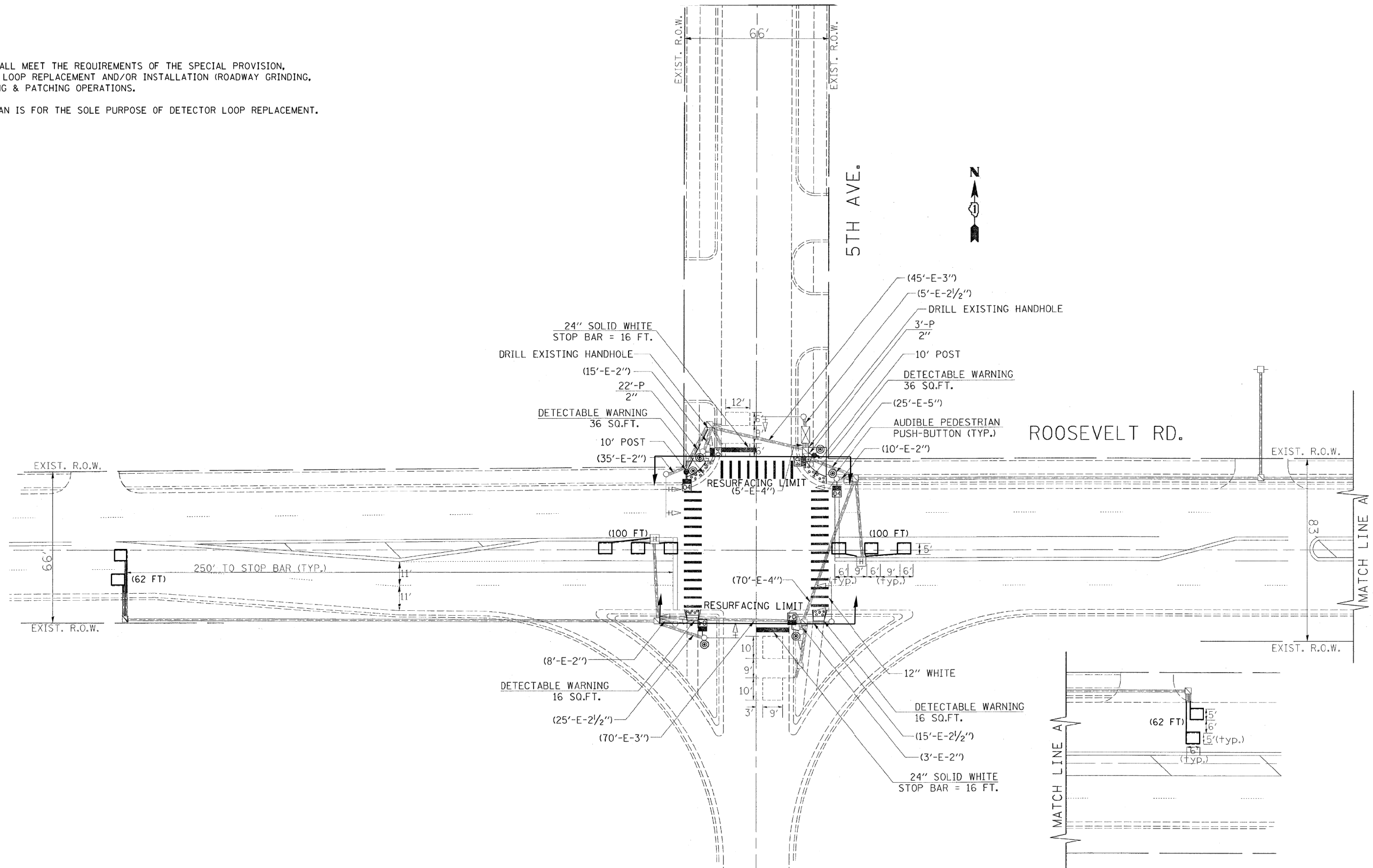
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	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/1/2018	DATE -	REVISED -

**NOTES:**

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.



**REPLACE ALL DETECTOR LOOPS AS SHOWN  
(WITHIN THE RESURFACING LIMITS)**

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	324	FOOT

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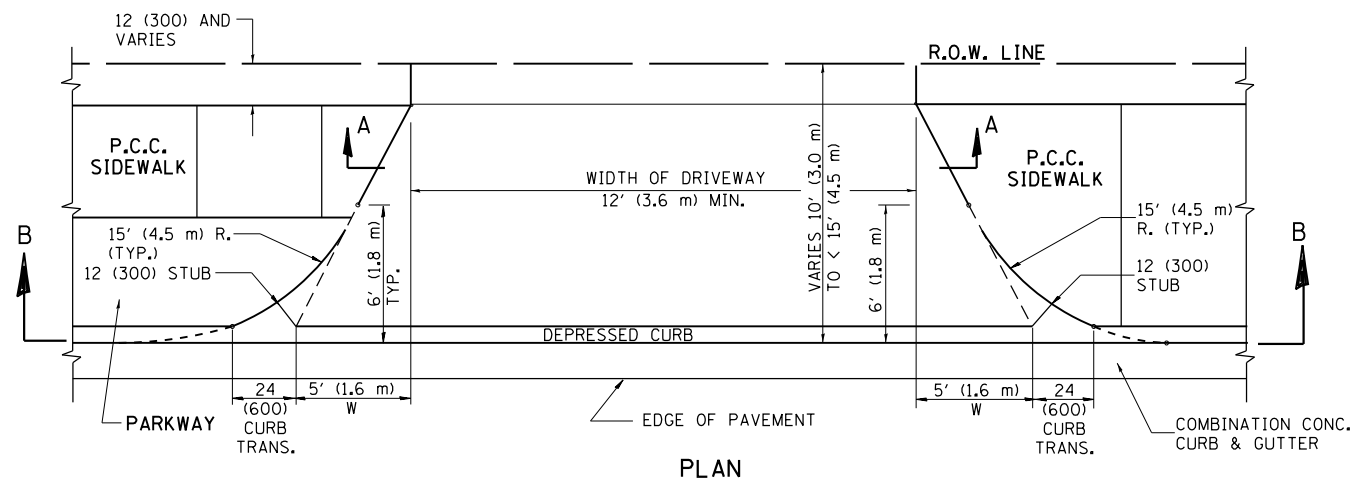
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

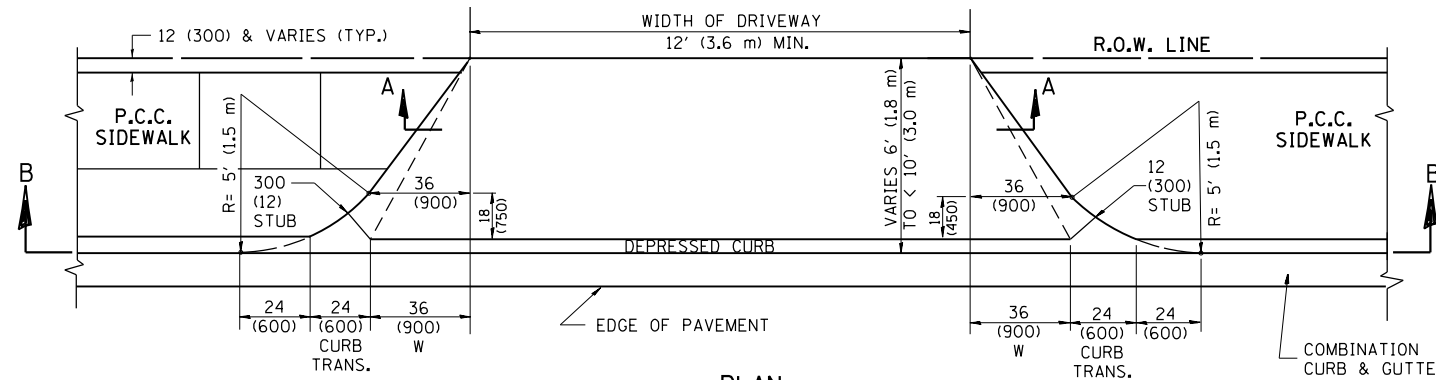
**DETECTOR LOOP REPLACEMENT PLAN  
IL 38 (ROOSEVELT RD) AT 5TH AVE**

SCALE: SHEET OF SHEETS STA. TO STA.

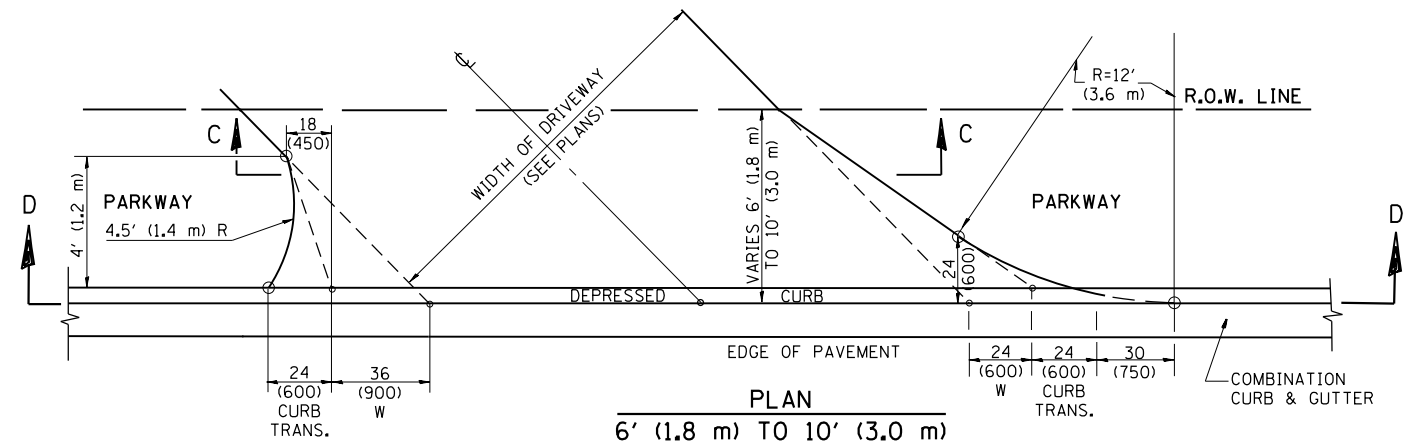
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2016-084R5	COOK	74	58
CONTRACT NO. 62D64				
ILLINOIS FED. AID PROJECT				



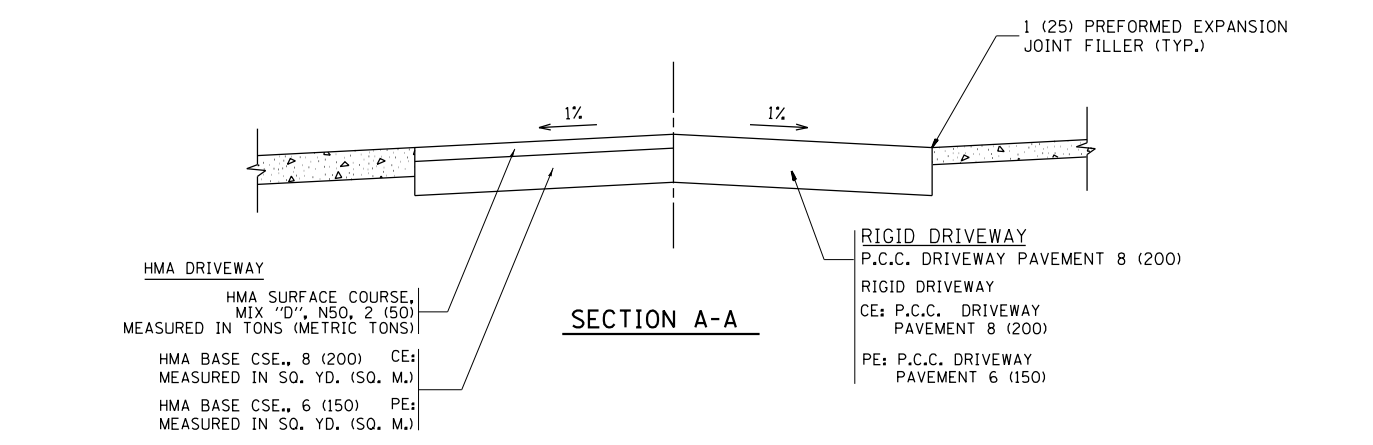
PLAN  
10' (3.0 m) TO < 15' (4.5 m)



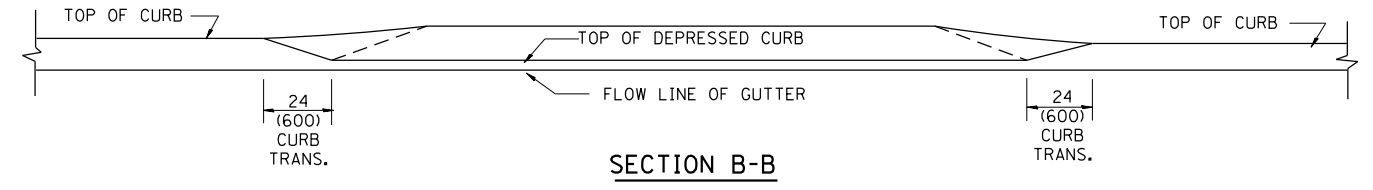
PLAN  
6' (1.8 m) TO < 10' (3.0 m)



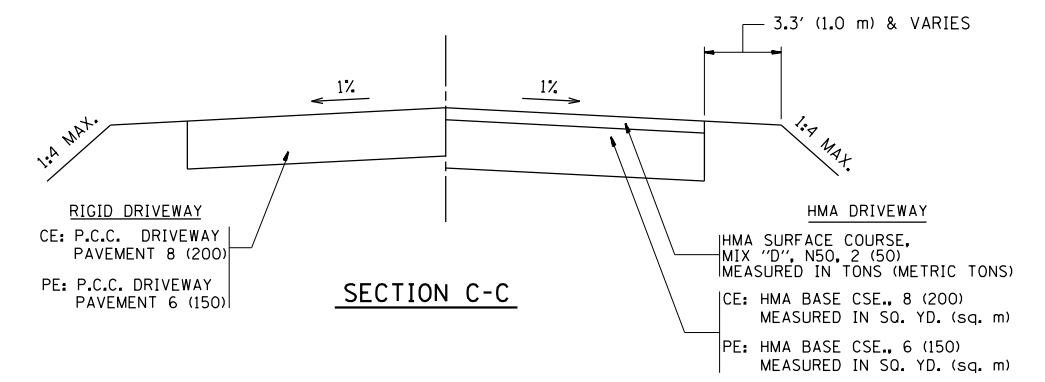
PLAN  
6' (1.8 m) TO 10' (3.0 m)



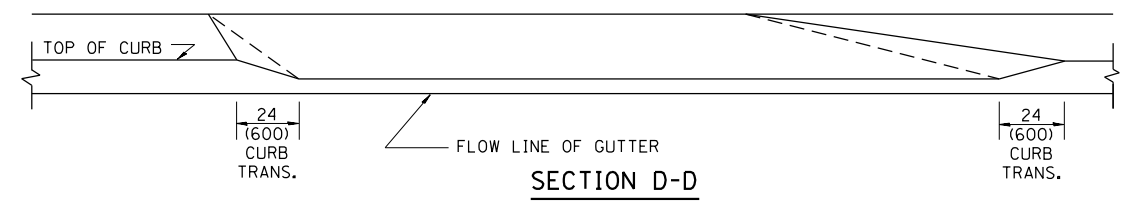
SECTION A-A



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).

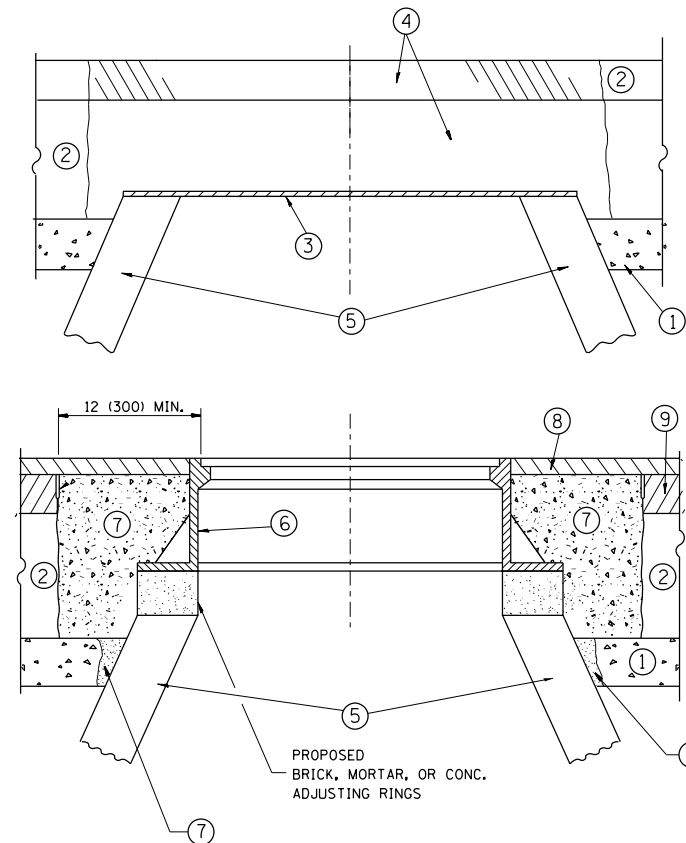
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED.

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PLOT SCALE = 100.0000' / 1"		DATE - 11-06-95	REVISED - R. BORO 01-01-07
PLOT DATE = 3/1/2018			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.
347	2016-084RS	COOK	74	59
BD400-02 (BD-02)			CONTRACT NO. 62D64	
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**

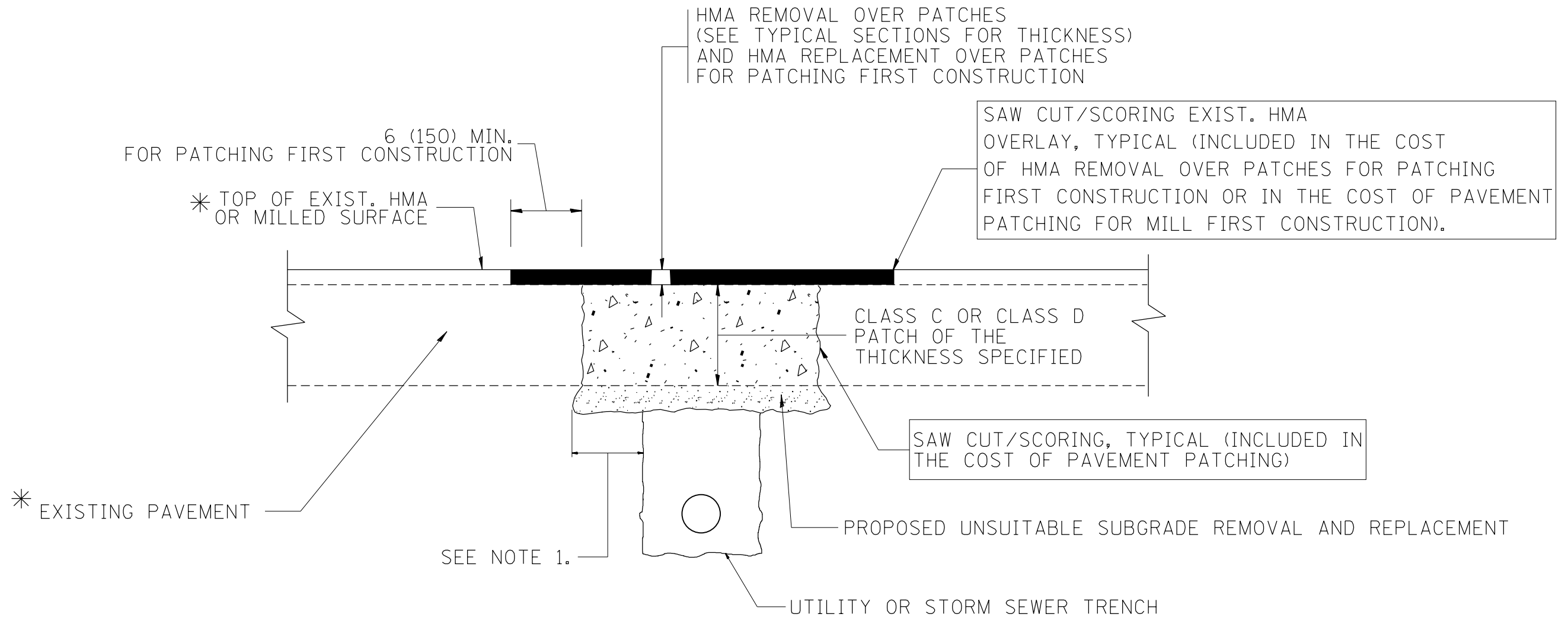
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - R. BORO 03-09-11
	PLOT DATE = 3/1/2018	DATE - 10-25-94	REVISED - R. BORO 12-06-11

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2016-084RS	COOK	74	60
<b>BD600-03 (BD-8)</b>		<b>CONTRACT NO. 62D64</b>		
<small>FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT</small>				



\* 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	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\1073\Drawings\Design\Diststd.dgn	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - R. BORO 01-01-07					347	2016-084RS	COOK	74	61
	PLOT DATE = 3/1/2018	DATE - 10-25-94	REVISED - R. BORO 09-04-07		<b>BD400-04 (BD-22)</b>			<b>CONTRACT NO. 62D64</b>				
			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		

VARIABLE - TO MEET EXISTING DIMENSIONS AND FIELD CONDITIONS (SEE NOTE ②)

PROP. CONC. CURB OR CURB AND GUTTER REPLACEMENT IN ACCORDANCE WITH STATE STANDARD 606001. (SEE NOTE ②)

SAW CUT FULL DEPTH - INCLUDED IN THE COST OF SIDEWALK, DRIVEWAY OR MEDIAN SURFACE REMOVAL PAY ITEM.

EXISTING SIDEWALK, DRIVEWAY, MEDIAN SURFACE, SOD OR GROUND.

PROPOSED SIDEWALK, DRIVEWAY PAVEMENT, MEDIAN SURFACE OR SODDING SALT TOLERANT WITH TOP SOIL, 4" (100) SOD RESTORATION (SEE NOTE ①).

SUITABLE BACKFILL MATERIAL (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT)

PROPOSED 3/4" (20) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.)

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".

SEE STATE STANDARD 606001  
EXISTING OR PROPOSED HMA SURFACE (IF APPLICABLE)  
1/4" (5) \*\*

18" (450) MAX.

T/2 \*

3" (75) MIN.

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

\* 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.

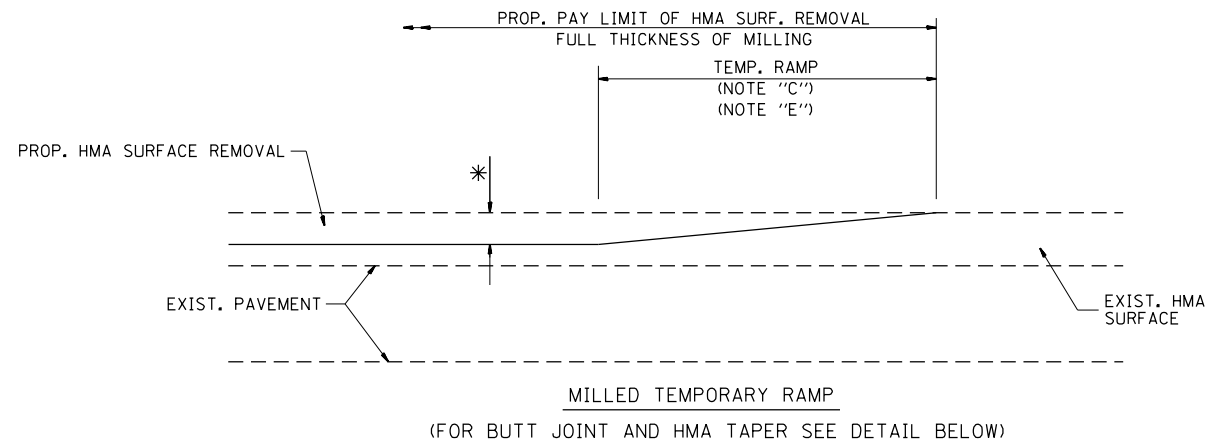
⑧ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

# CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

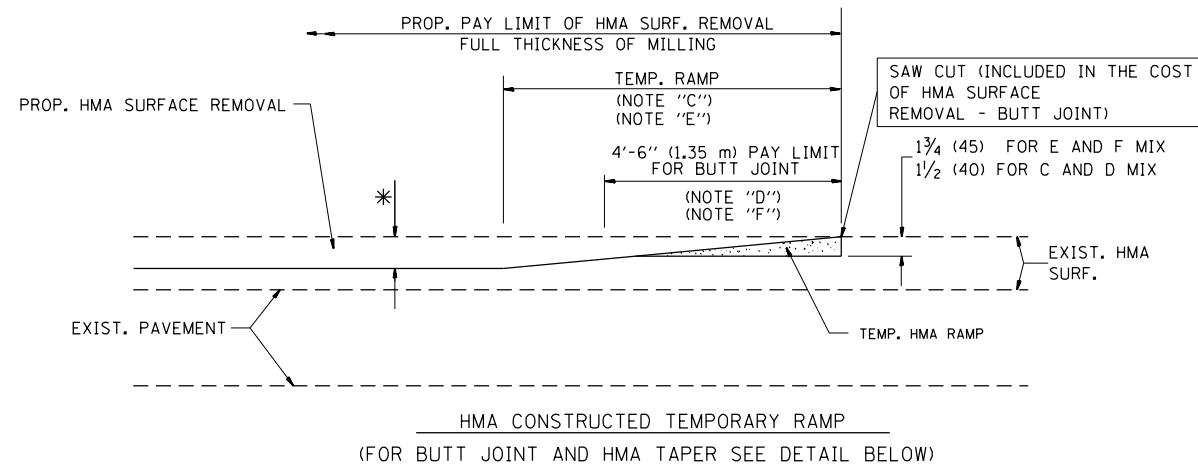
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = curryw	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DI073\Drawings\Design\Diststd.dgn		REVISION	REVISED - A. ABBAS 03-21-97			347	2016-084RS	COOK	74	62
PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - M. GOMEZ 01-22-01				<b>BD600-06 (BD-24)</b>		<b>CONTRACT NO. 62D64</b>		
PLOT DATE = 3/1/2018	DATE - 03-11-94	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



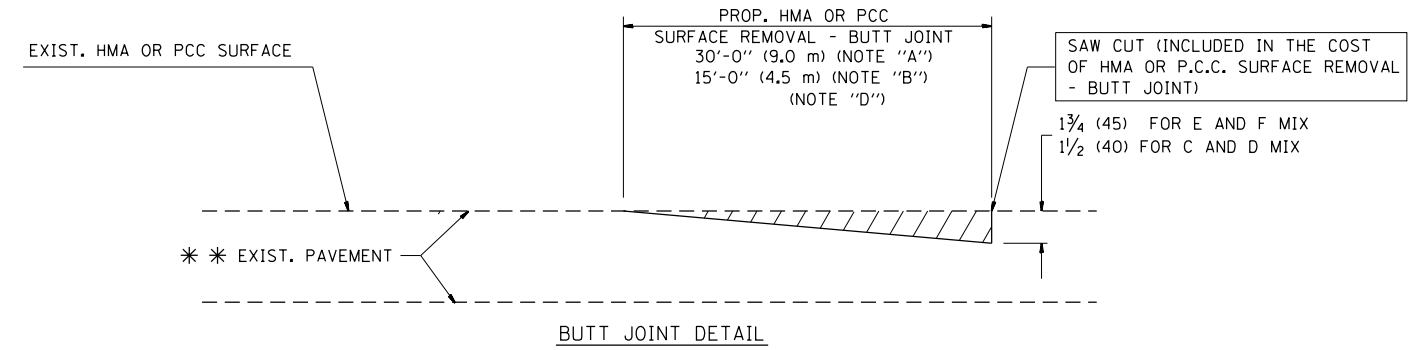


**OPTION 1**

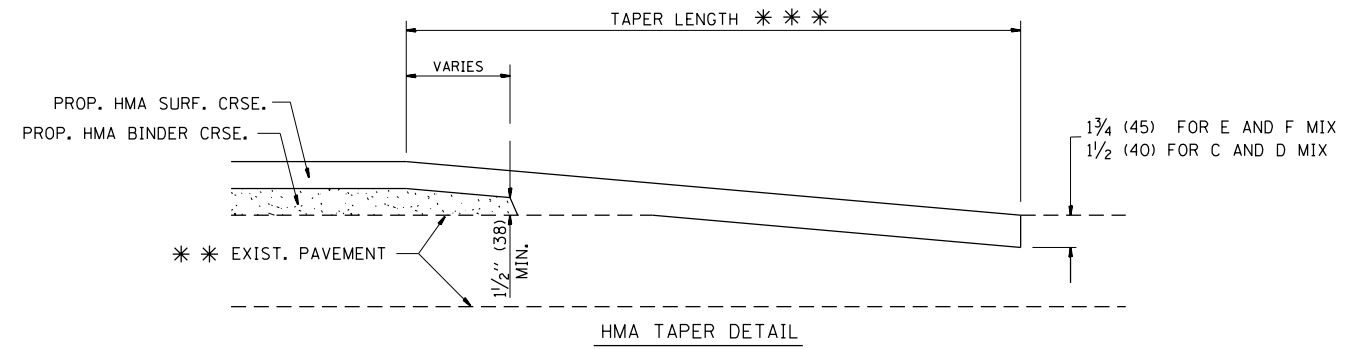


**OPTION 2**

**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.

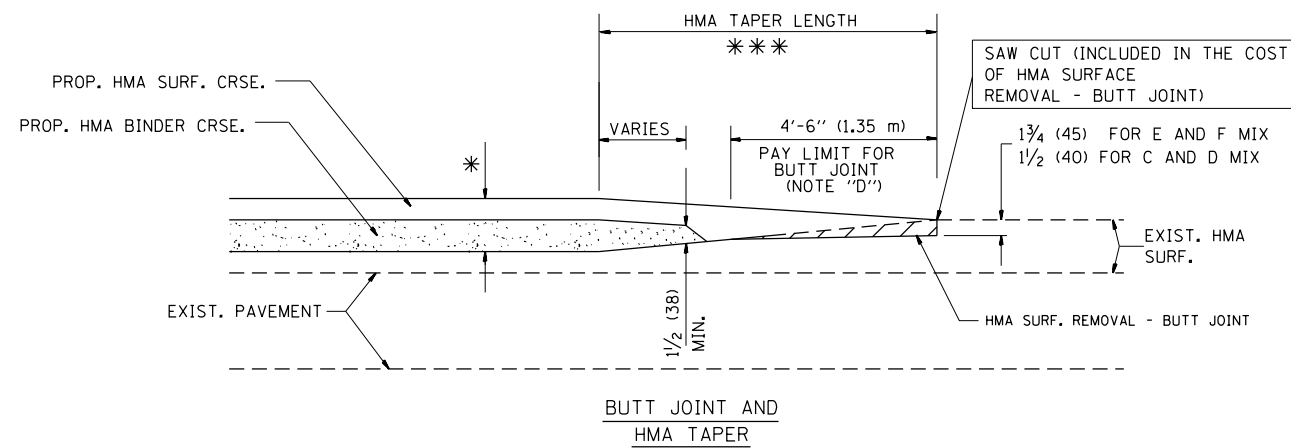
**NOTES**

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

**BASIS OF PAYMENT:**

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

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



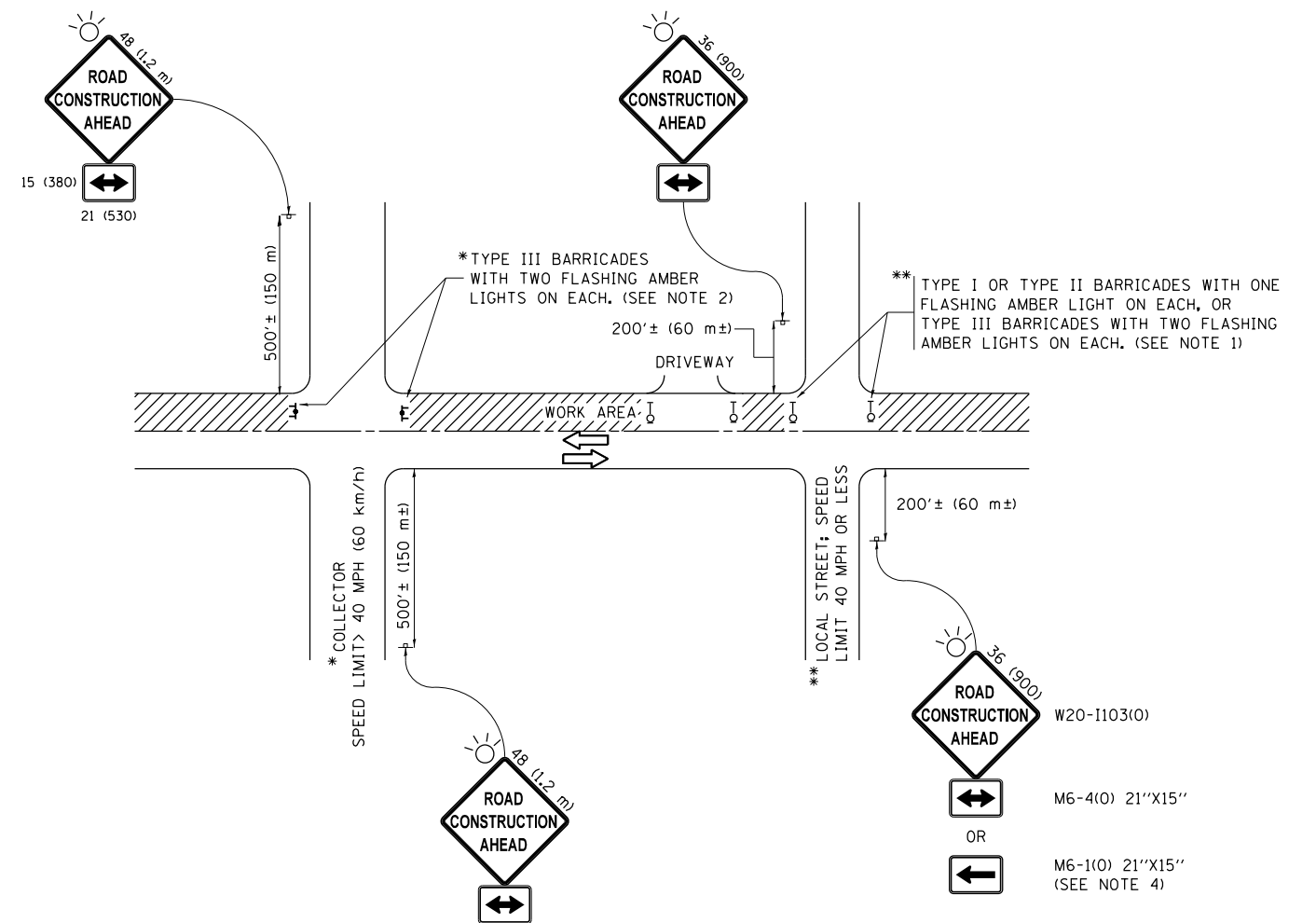
**TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING**

FILE NAME =	USER NAME = curryw	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
p:\11084EBID\INTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\1073\Drawings\Design\Diststd.dgn			REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 3/1/2018	DATE - 06-13-90	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>BUTT JOINT AND HMA TAPER DETAILS</b>	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2016-084RS	COOK	74	63
<b>BD400-05 BD32</b>		<b>CONTRACT NO. 62D64</b>		
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.

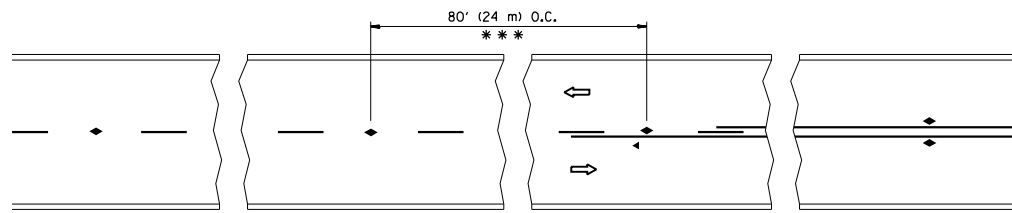
FILE NAME =	USER NAME = curryw	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
pw:\IL\084EBIDINTEG\Illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\DI073\Drawings\Design\Diststd.dgn			REVISED - T. RAMMACHER 01-06-00
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
	PLOT DATE = 3/1/2018	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**

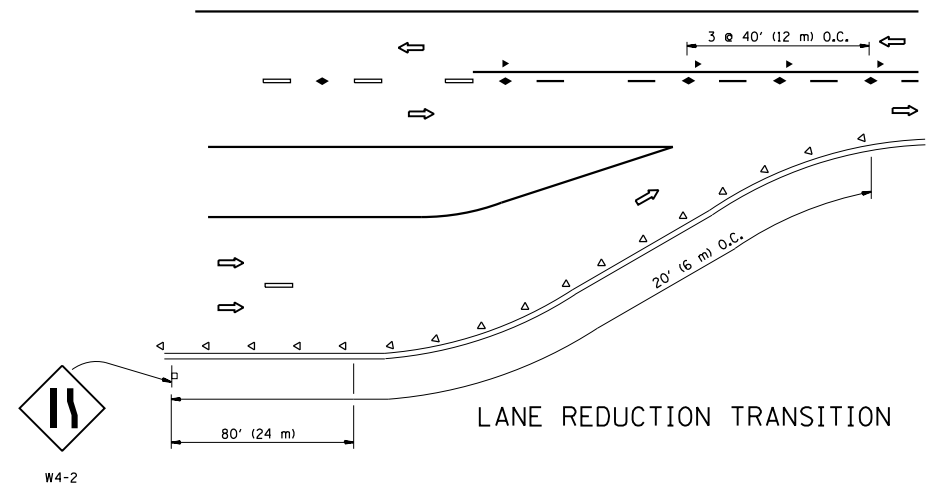
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2016-084RS	COOK	74	64
<b>TC-10</b>			<b>CONTRACT NO. 62D64</b>	
ILLINOIS FED. AID PROJECT				

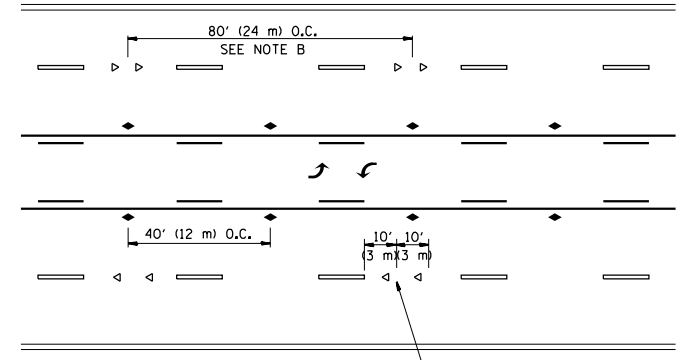


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

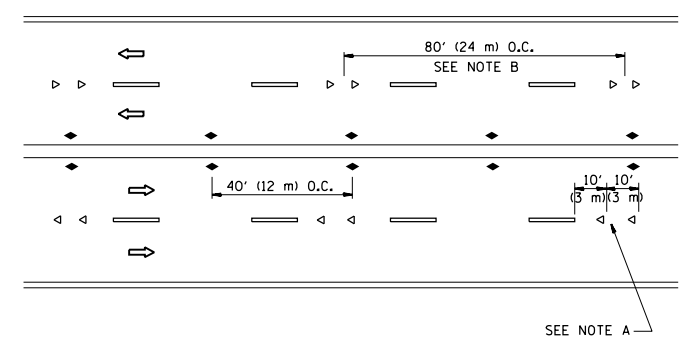
TWO-LANE/TWO-WAY



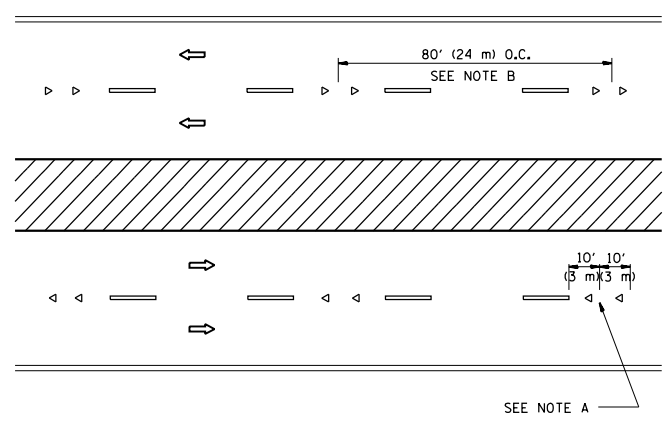
LANE REDUCTION TRANSITION



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

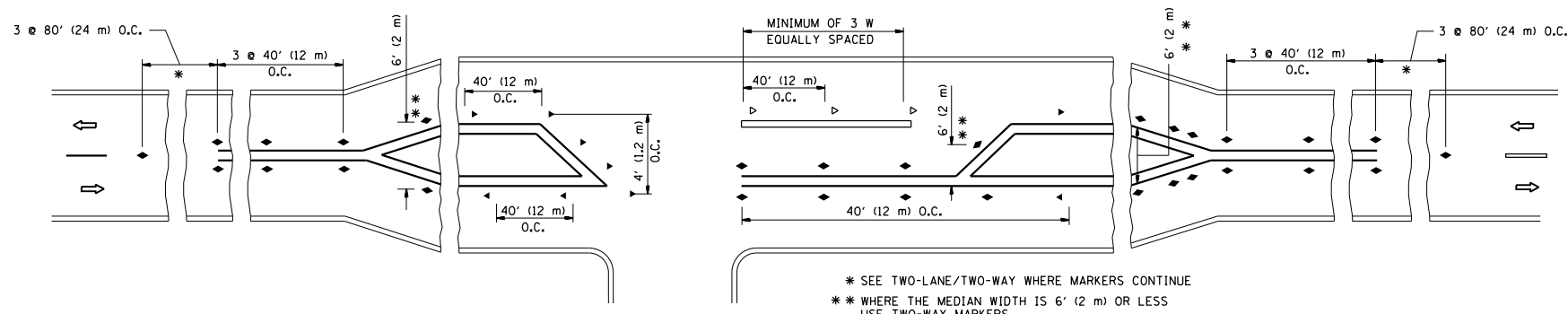
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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.

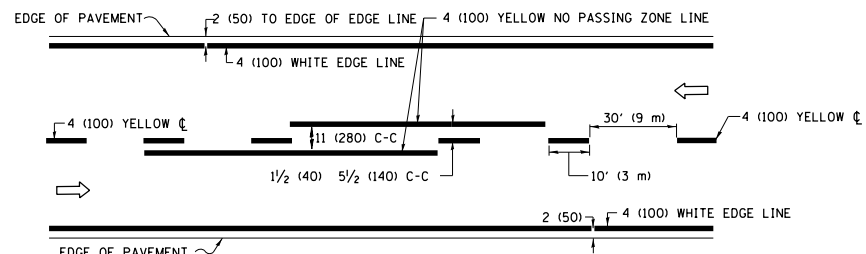


LEFT TURN

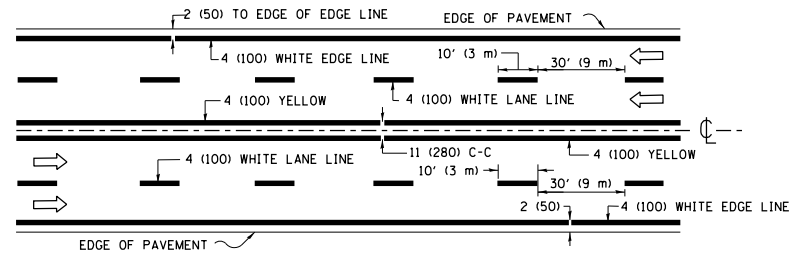
\* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE  
 \*\* WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

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

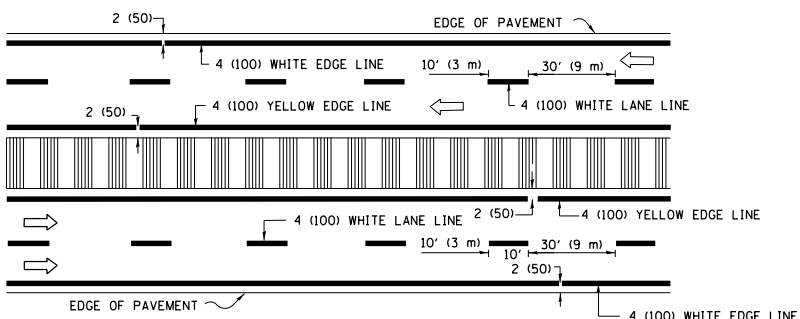
FILE NAME =	USER NAME = currywaw	DESIGNED -	REVISED - T. RAMMACHER 09-19-94	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw\1\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI073\Drawings\Design\Diststd.dgn	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - T. RAMMACHER 03-12-99					347	2016-084RS	COOK	74	65	
PLOT DATE = 3/1/2018	DATE -	REVISED - T. RAMMACHER 01-06-00	REVISED - C. JUCIUS 09-09-09		<b>TC-11</b>			<b>CONTRACT NO. 62D64</b>					
					SCALE: NONE			SHEET NO. 1 OF 1 SHEETS			STA. TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT



**2-LANE ROADWAY**

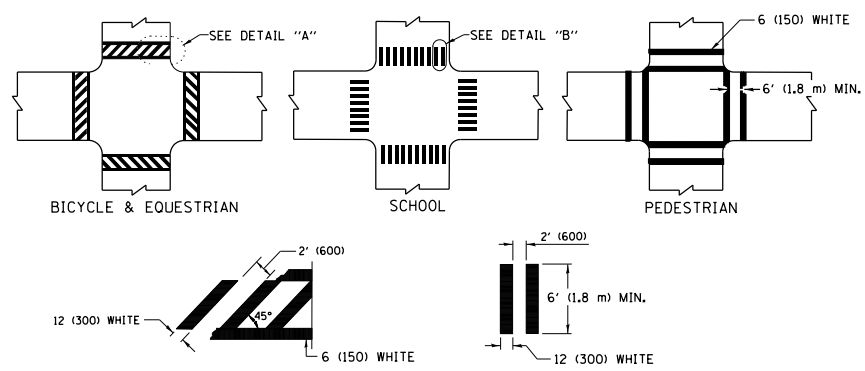


**MULTI-LANE UNDIVIDED**



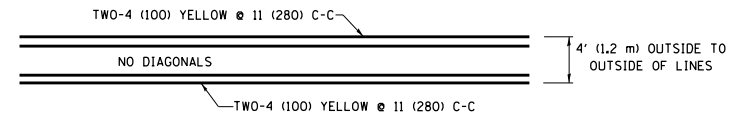
**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

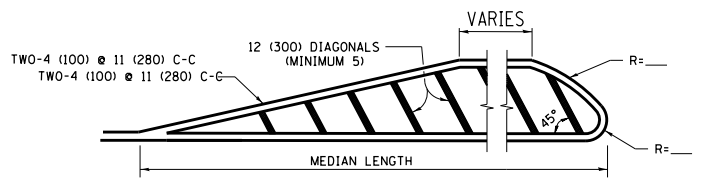


**TYPICAL CROSSWALK MARKING**

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

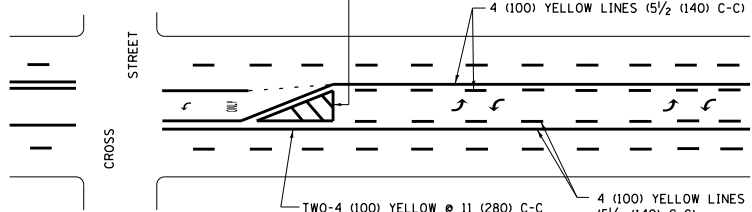


**4' (1.2 m) WIDE MEDIANS ONLY**



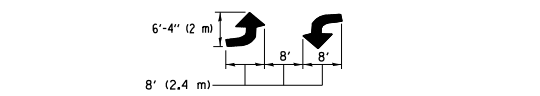
**MEDIANS OVER 4' (1.2 m) WIDE**

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**

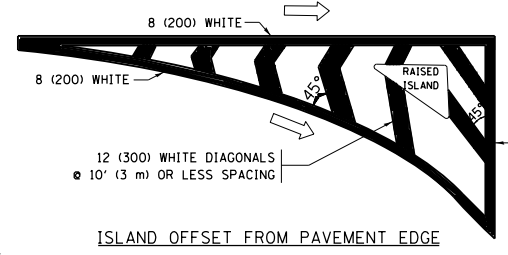
A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



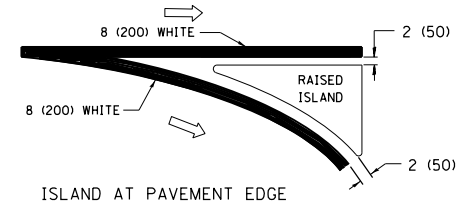
**TYPICAL LEFT (OR RIGHT) TURN LANE**

**TYPICAL TURN LANE MARKING**

FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)  
\* 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".

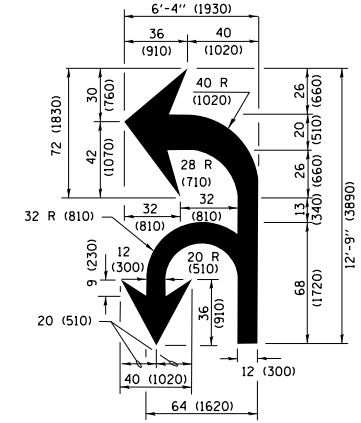


**ISLAND OFFSET FROM PAVEMENT EDGE**

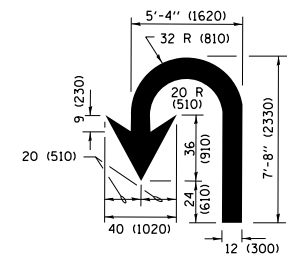


**ISLAND AT PAVEMENT EDGE**

**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 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 <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
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
pw\1\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\01073\Drawings\Design\Diststd.dgn		CHECKED -	REVISED - C. JUCIUS 07-01-13
Default	PLOT SCALE = 100.0000' / in.	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
	PLOT DATE = 3/1/2018		REVISED - C. JUCIUS 04-12-16

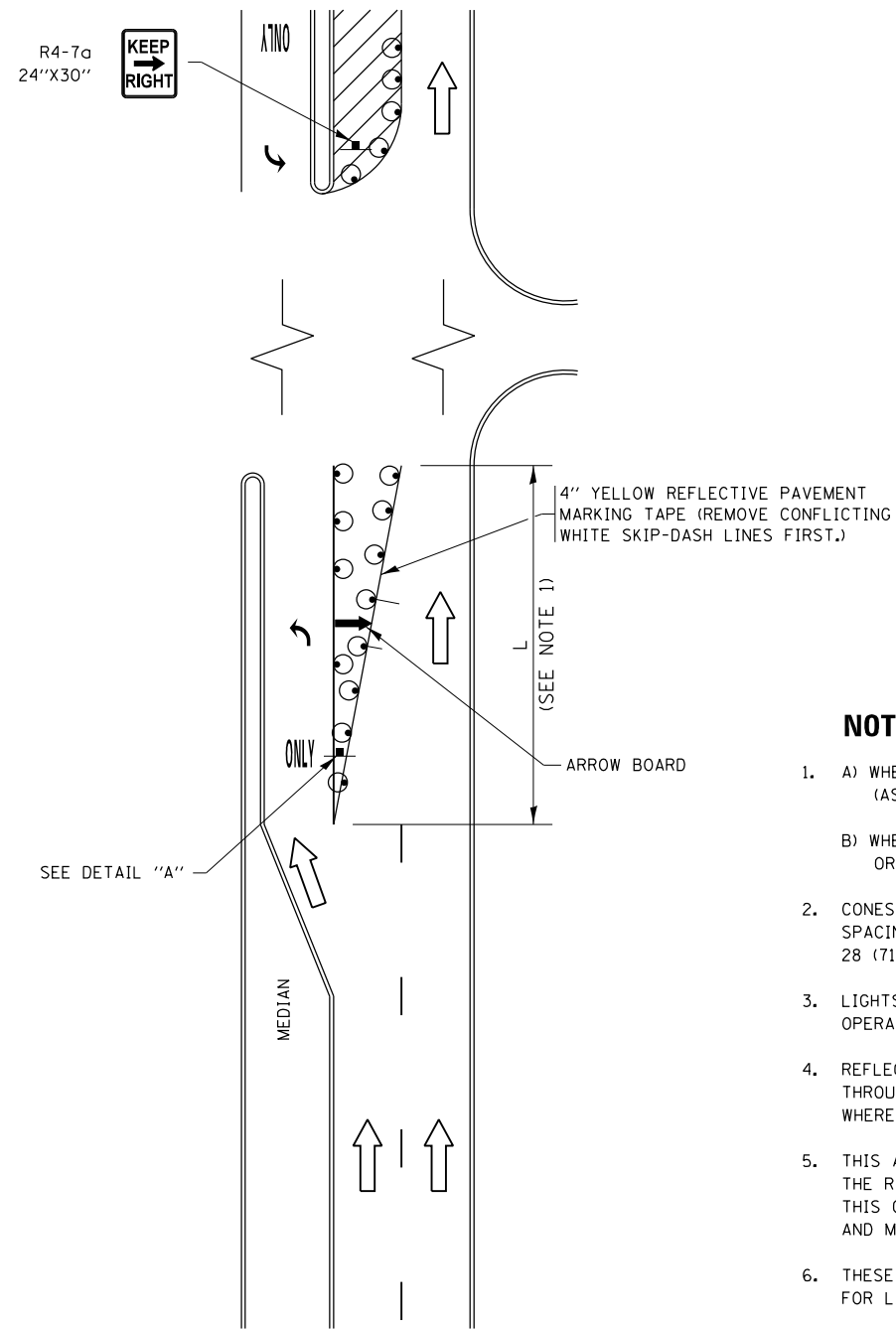
**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE TYPICAL PAVEMENT MARKINGS**

SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.
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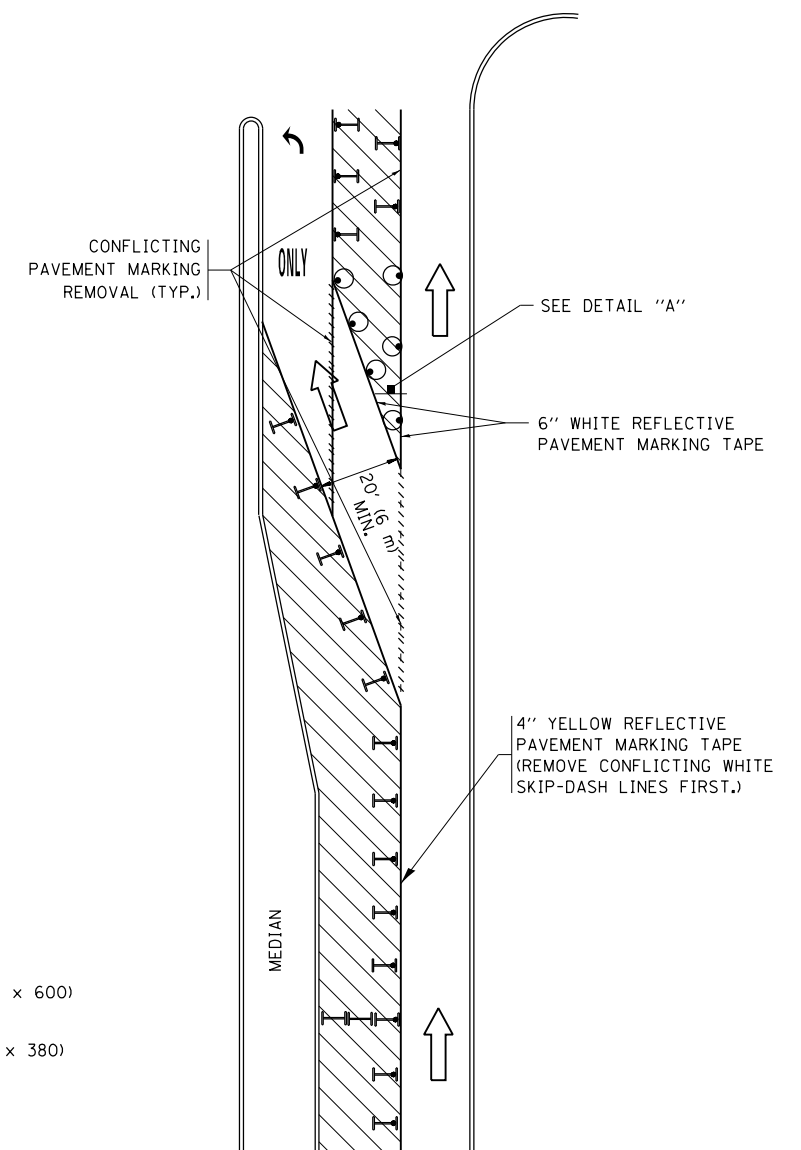
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2016-084RS	COOK	74	66
<b>TC-13</b>		<b>CONTRACT NO. 62D64</b>		
ILLINOIS FED. AID PROJECT				

# TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER



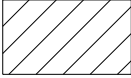






**FIGURE 1**

# TURN BAY ENTRANCE WITHIN A LANE CLOSURE



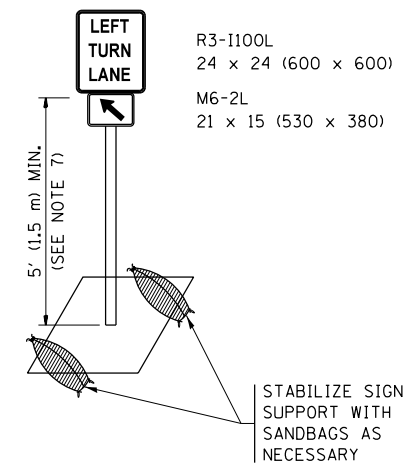
**FIGURE 2**

## LEGEND

-  WORK AREA
-  LANE OPEN TO TRAFFIC
-  ARROW BOARD
-  TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
-  DRUM WITH STEADY BURN LIGHT
-  SIGN ASSEMBLY
-  TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

## NOTES:

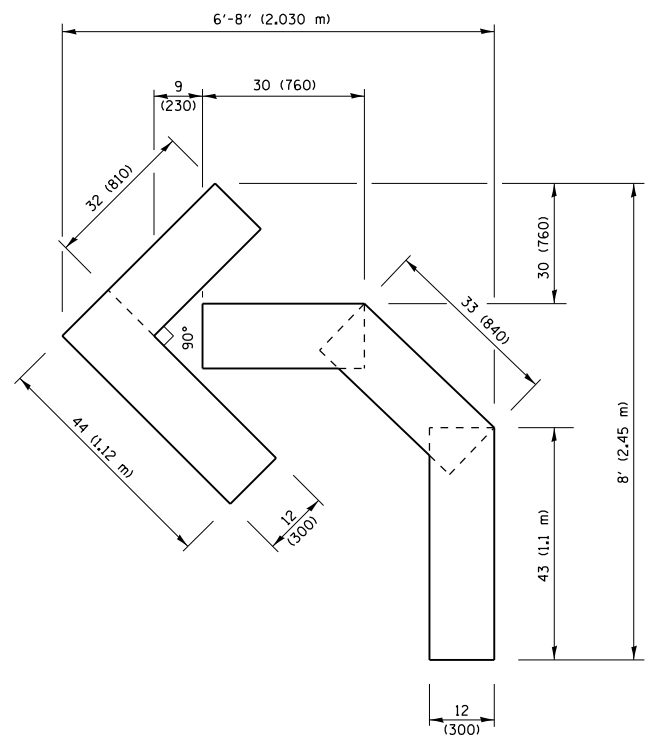
1. A) WHEN "L" IS  $\leq$  THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.  
B) WHEN "L" IS  $>$  THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-1100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PREQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.



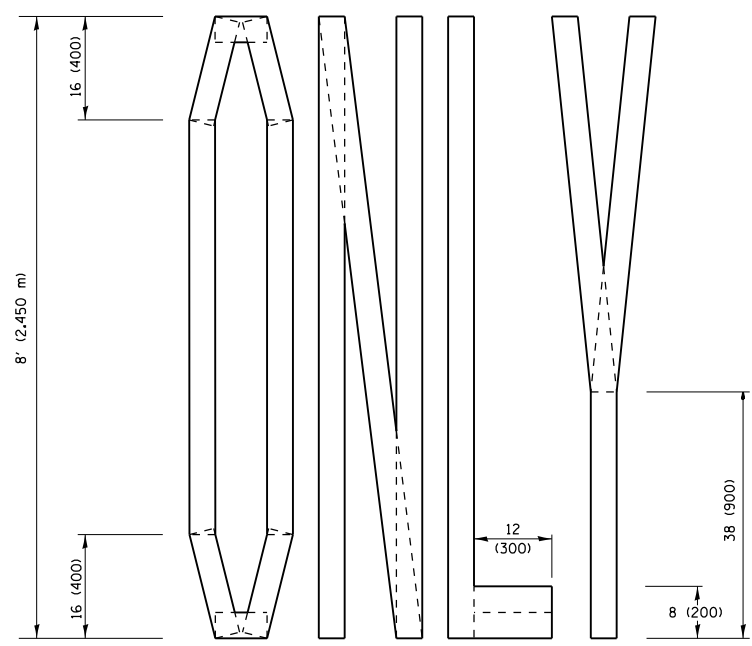
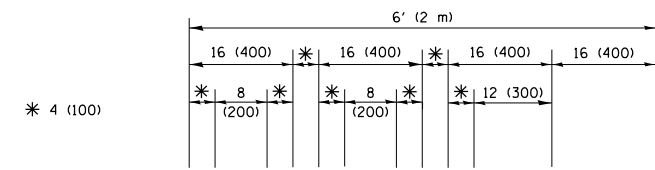
**DETAIL A**

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

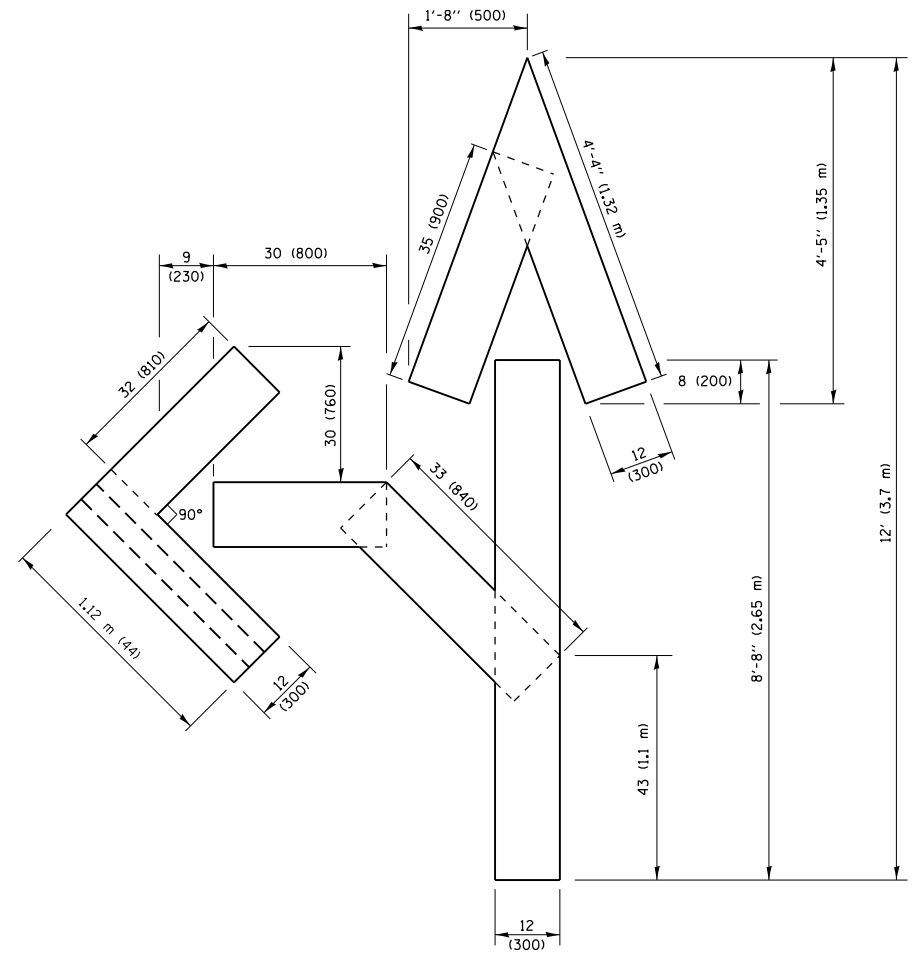
FILE NAME =	USER NAME = curryw	REVISED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)</b>			F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG\illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\1073\REVISED Design\HOUSEH 11-07-95	REVISED - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13	REVISED - A. SCHUETZE 07-01-13					347	2016-084RS	COOK	74	67
Default	PLOT SCALE = 100.0000' / in.	REVISED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16		<b>TC-14</b>			<b>CONTRACT NO. 62D64</b>				
	PLOT DATE = 3/1/2018	REVISED - T. RAMMACHER 01-06-00	REVISED -		SCALE: NONE	SHEET 1	OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		



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

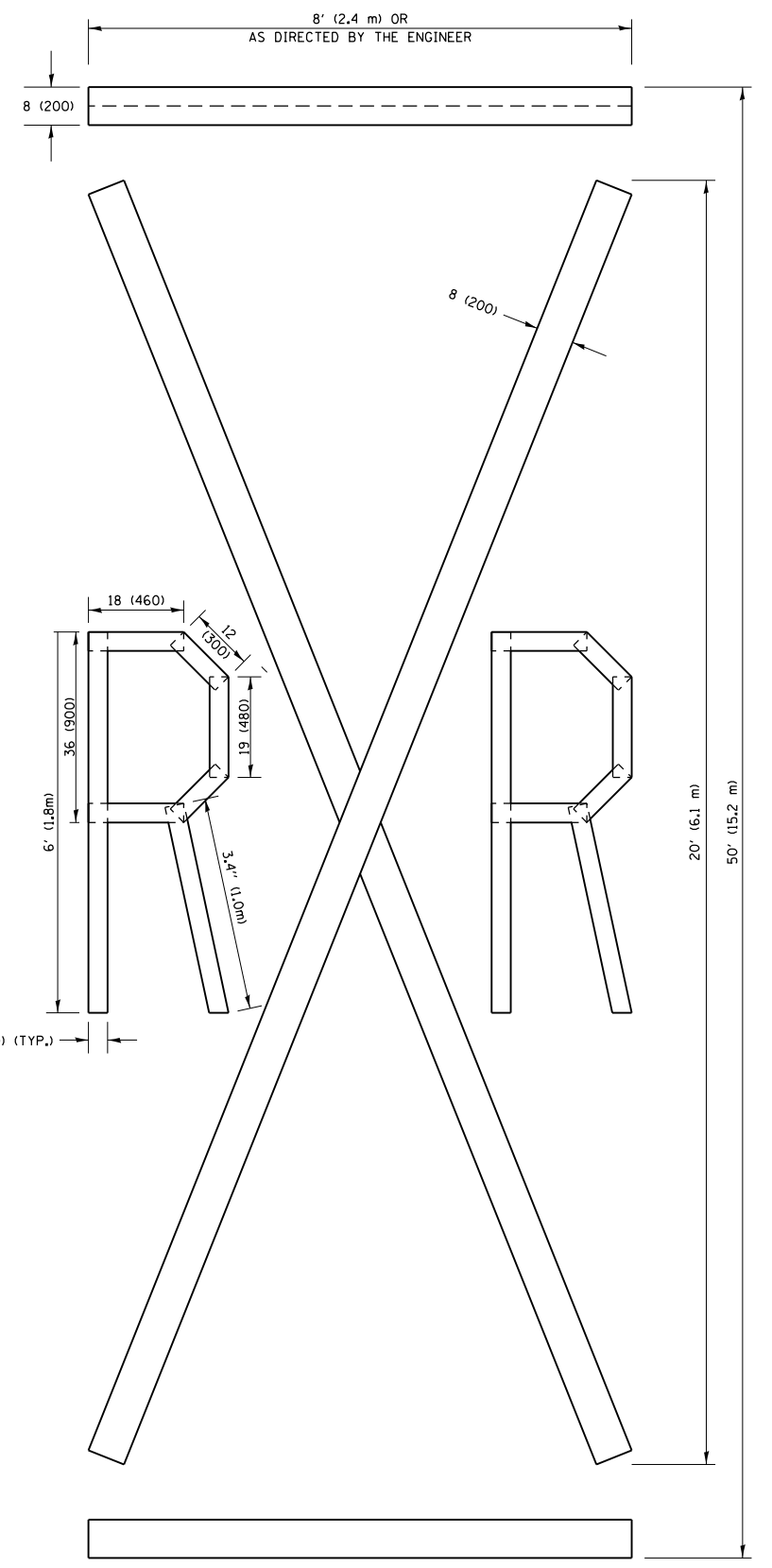


**QUANTITY**  
 4 (100) LINE = 64.1 ft. (19.5 m)  
 21.4 sq. ft. (1.99 sq. m)



**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)

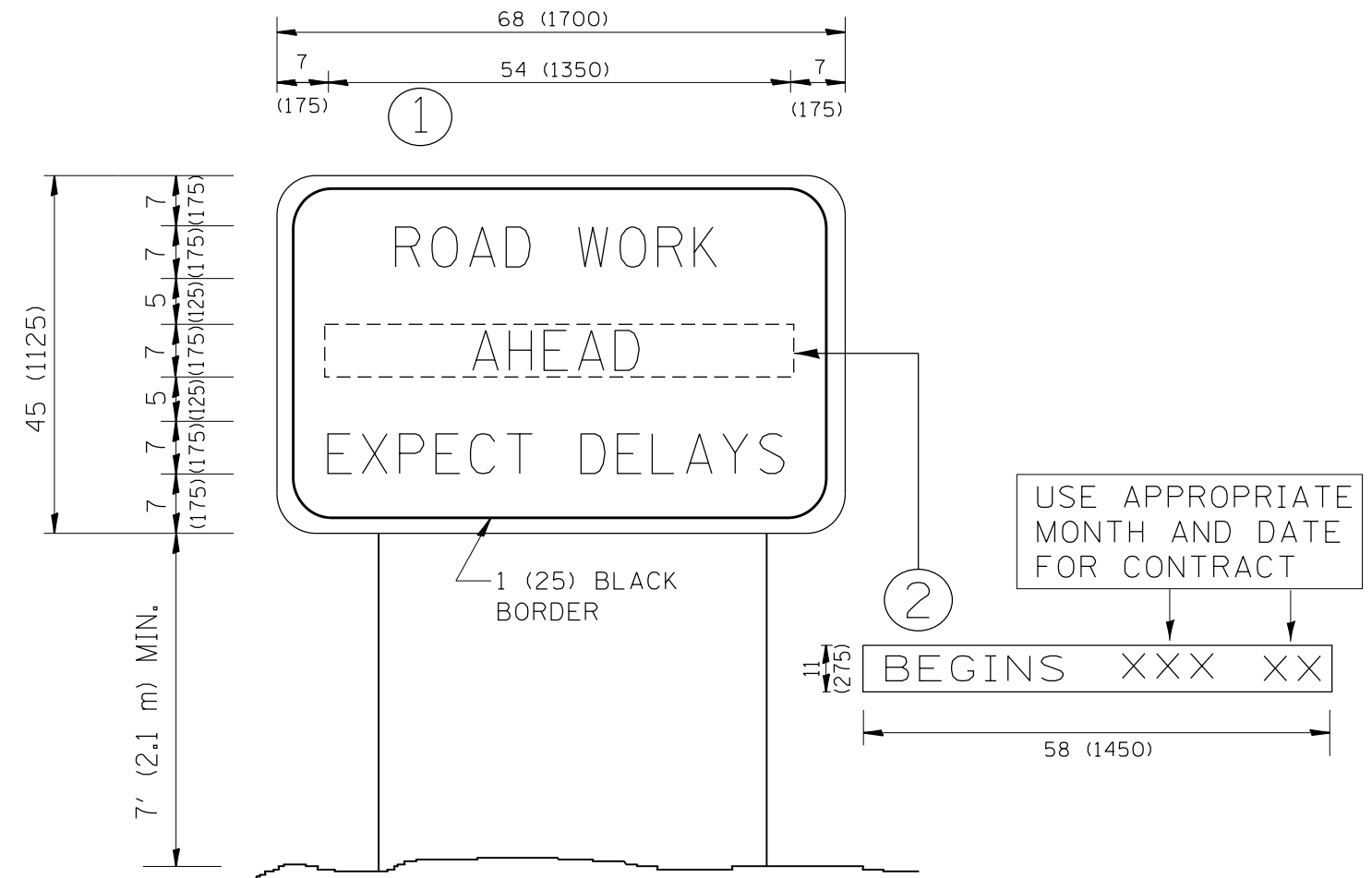
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = curryw	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
p:\1\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\01073\Drawings\Design\Diststd.dgn		CHECKED -	REVISED - E. GOMEZ 08-28-00
		DATE -	REVISED - E. GOMEZ 08-28-00
			REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2016-084RS	COOK	74	68
<b>TC-16</b>		<b>CONTRACT NO. 62D64</b>		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

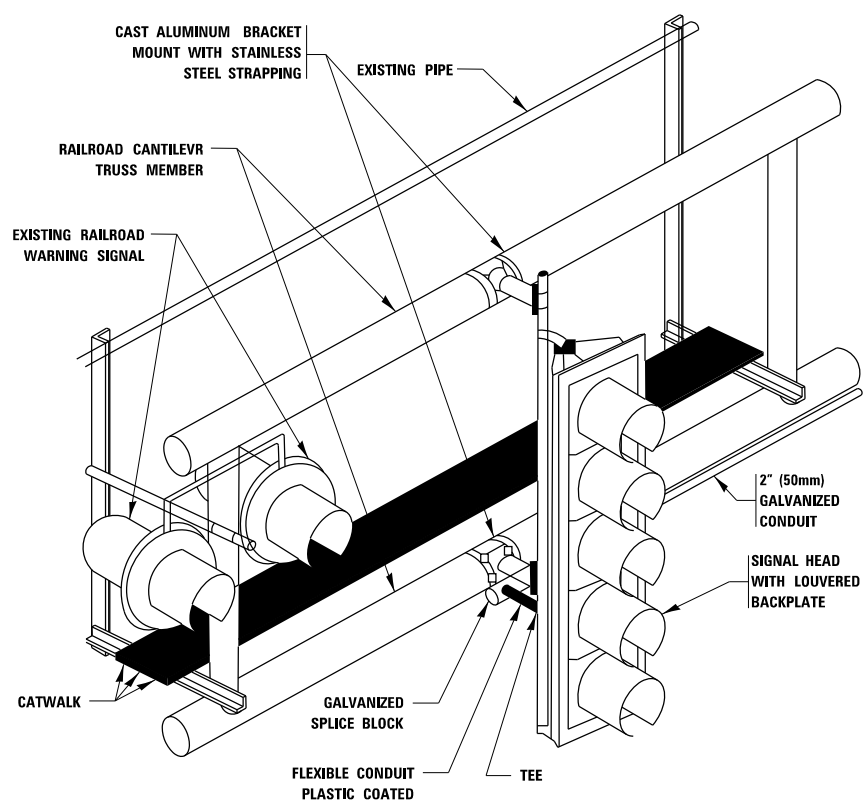


**NOTES:**

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.

FILE NAME =	USER NAME = curryw	DESIGNED -	REVISED - R. MIRS 09-15-97	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ARTERIAL ROAD INFORMATION SIGN</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\11\084EBIDINTEG.illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\DI073\Drawings\Design\Diststd.dgn		CHECKED -	REVISED - R. MIRS 12-11-97			347	2016-084RS	COOK	74	69
PLOT SCALE = 100.0000' / 1in.		DATE -	REVISED - T. RAMMACHER 02-02-99			<b>TC-22</b>		<b>CONTRACT NO. 62D64</b>		
PLOT DATE = 3/1/2018		DATE -	REVISED - C. JUCIUS 01-31-07			SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT



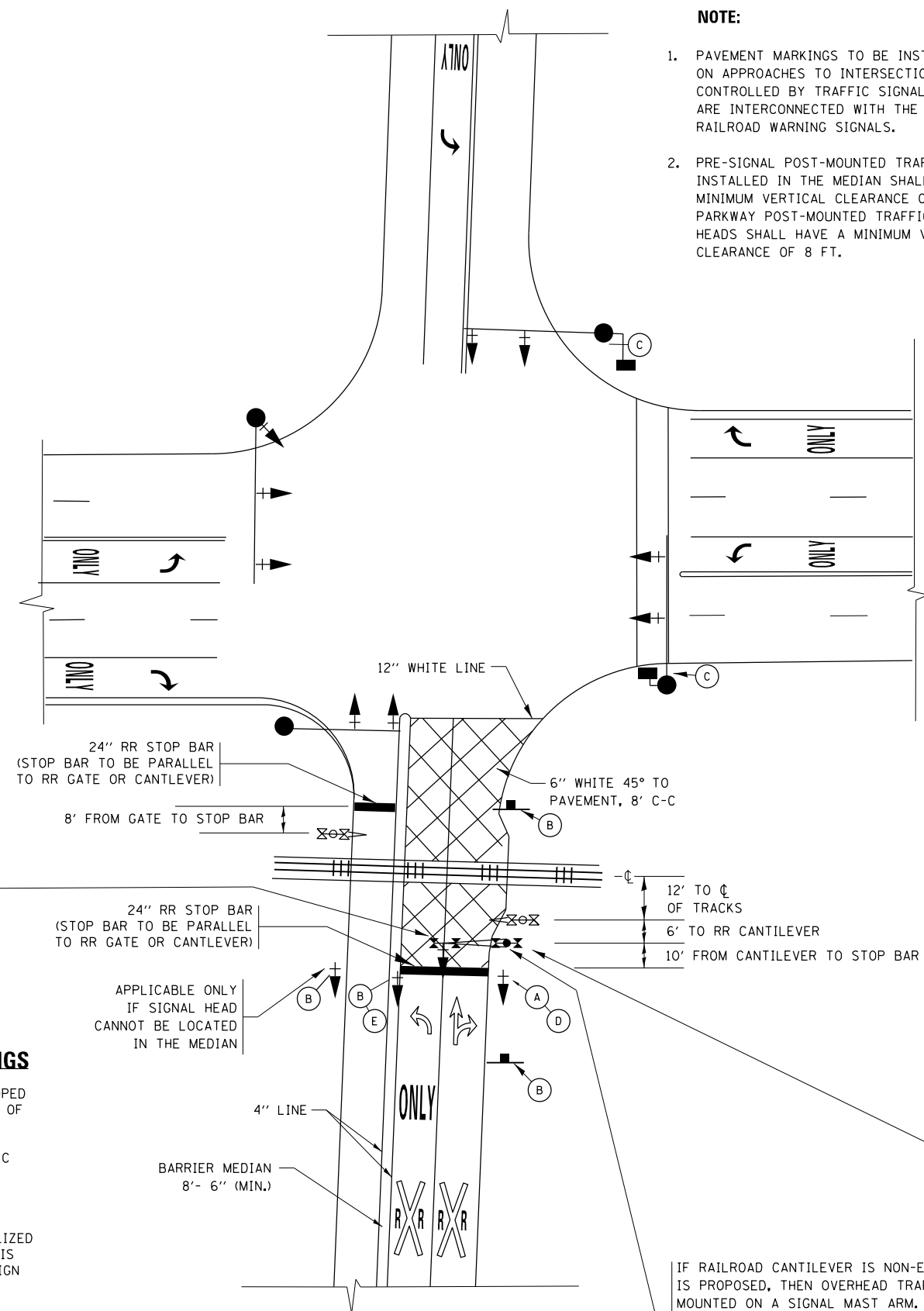
**RAILROAD CANTILEVER SIGNAL HEAD MOUNTING**  
 USE NON-CONDUCTIVE SPACERS BETWEEN THE TRAFFIC SIGNAL EQUIPMENT AND THE RAILROAD CANTILEVER TO PREVENT DISSIMILAR METAL CORROSION  
 N.T.S.

**SIGNING AND PAVEMENT MARKING AT RAILROAD CROSSINGS**

SIGNING AND PAVEMENT MARKING TRAFFIC CONTROL STANDARD (TC-23) HAS BEEN DEVELOPED IN CONSULTATION WITH THE ILLINOIS COMMERCE COMMISSION AND THE U.S. DEPARTMENT OF TRANSPORTATION'S GRADE CROSSING SAFETY TASK FORCE. THIS STANDARD PROVIDES INFORMATION ON UPDATES TO THE PAVEMENT MARKING AND SIGNING DETAILS IN ORDER TO INCORPORATE CHANGES ADOPTED IN THE 2009 NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICE (MUTCD). THESE NEW DETAILS HAVE BEEN STUDIED AND TESTED BY THE DEPARTMENT AND ACCEPTED BY THE ILLINOIS COMMERCE COMMISSION.

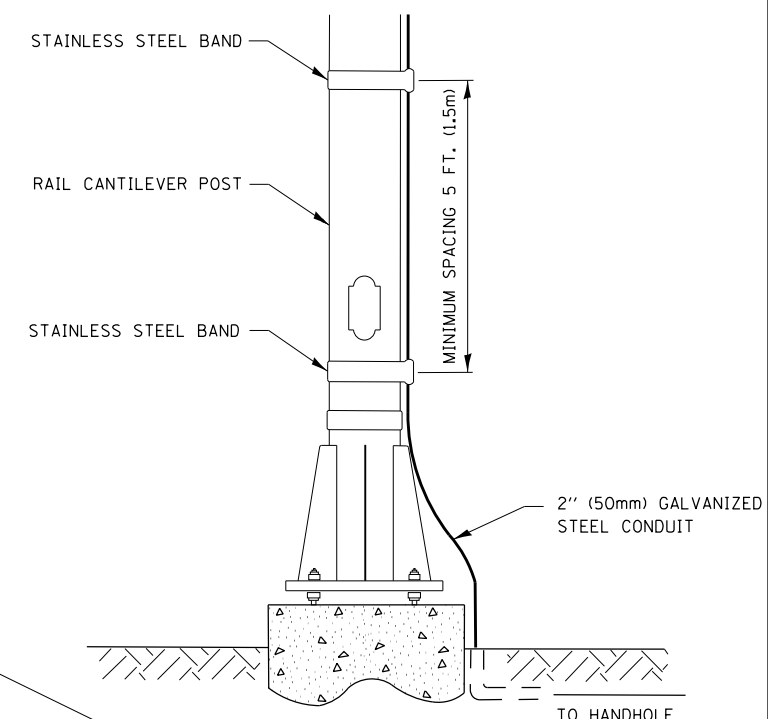
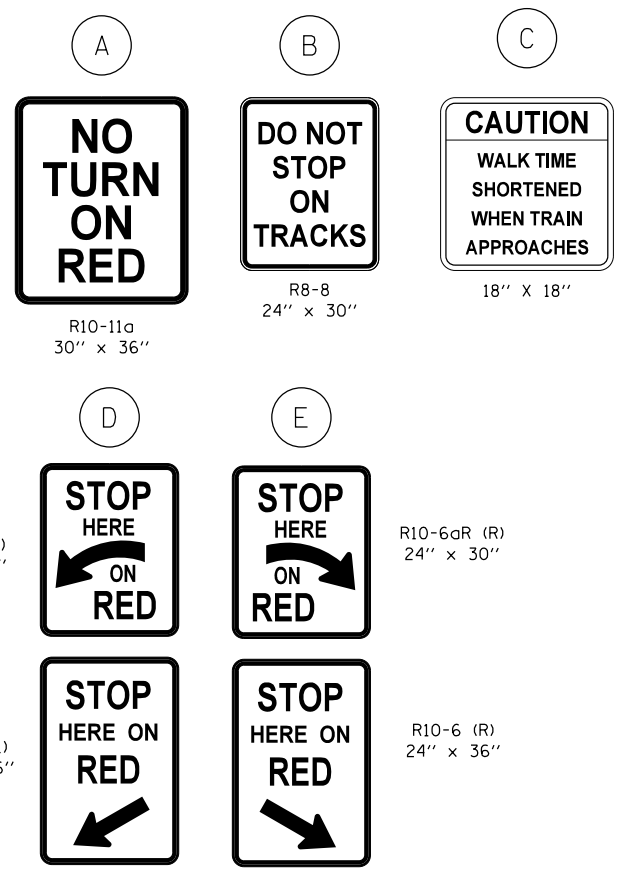
THIS APPLIES TO PROJECTS WHICH INCLUDE RAILROAD INTERCONNECTED TRAFFIC SIGNALS, WITH OR WITHOUT PRE-SIGNALS. THIS STANDARD ALSO APPLIES TO NON-SIGNALIZED INTERSECTIONS THAT ARE WITHIN 81 FEET OF A RAILROAD GRADE CROSSING. THE ILLINOIS SUPPLEMENT TO THE MUTCD SHOULD BE CONSULTED FOR ADDITIONAL INFORMATION ON SIGN REQUIREMENTS AT NON-SIGNALIZED INTERSECTIONS NEAR RAILROAD GRADE CROSSINGS.

THESE DETAILS WILL BE INCLUDED IN A FUTURE UPDATE TO THE BUREAU OF OPERATIONS TRAFFIC POLICIES AND PROCEDURES MANUAL.



**SIGNALIZED INTERSECTION WITH NEAR-SIDE TRAFFIC SIGNAL**

- NOTE:**
- PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
  - PRE-SIGNAL POST-MOUNTED TRAFFIC SIGNAL HEADS INSTALLED IN THE MEDIAN SHALL HAVE A MINIMUM VERTICAL CLEARANCE OF 4.5 FT. PARKWAY POST-MOUNTED TRAFFIC SIGNAL HEADS SHALL HAVE A MINIMUM VERTICAL CLEARANCE OF 8 FT.



**SIGNAL CONDUIT CONNECTION TO RAIL CANTILEVER DETAIL**

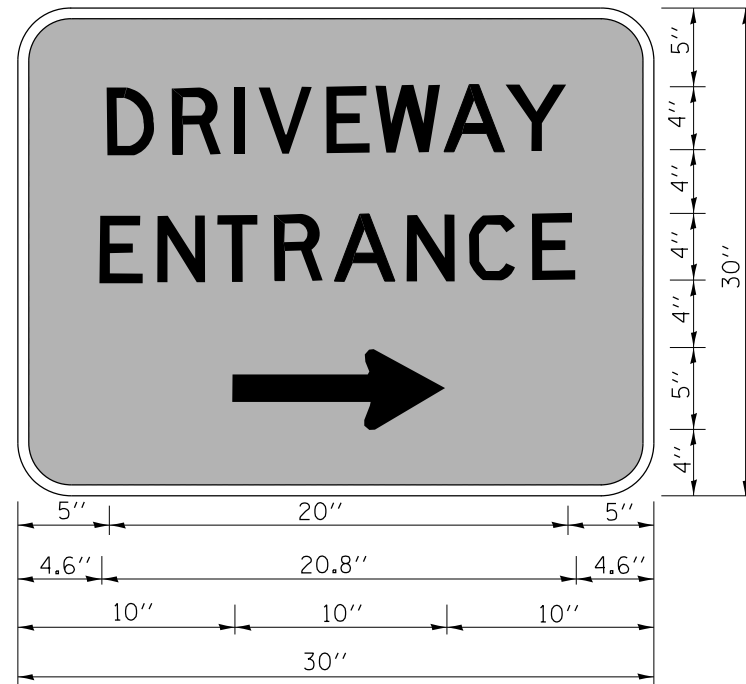
USE NON-CONDUCTIVE SPACERS BETWEEN THE TRAFFIC SIGNAL EQUIPMENT AND THE RAILROAD CANTILEVER TO PREVENT DISSIMILAR METAL CORROSION.

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

IF RAILROAD CANTILEVER IS NON-EXISTANT AND NONE IS PROPOSED, THEN OVERHEAD TRAFFIC SIGNAL TO BE MOUNTED ON A SIGNAL MAST ARM. SIGNAL MAST ARM AND SIGNAL HEADS SHALL BE INSTALLED AS CLOSE AS PRACTICABLE TO THE RAILROAD TRACKS WITHOUT OBSTRUCTING ANY RAILROAD WARNING DEVICES. SIGNAL MAST ARM SHALL BE AT LEAST 12 FT. FROM NEAREST RAIL.

FILE NAME =	USER NAME = currywaw	DESIGNED -	REVISED - 02-25-11	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING TREATMENT FOR RAILROAD CROSSINGS</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBID\INTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI073\Drawings\Design\Diststd.dgn	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - 04-26-12						347	2016-084RS	COOK	74	70
Default	PLOT DATE = 3/22/2018	DATE -	REVISED - A.R. 07-11-16		<b>TC-23</b>				<b>CONTRACT NO. 62D64</b>				
			REVISED -		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:\11084EBIDINTEG\Illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\1073\Drawings\Design\Diststd.dgn		DRAWN -	REVISED -
	PLOT SCALE = 100.1244' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/1/2018	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.
347	2016-084RS	COOK	74	71
<b>TC-26</b>		<b>CONTRACT NO. 62064</b>		
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT				

# TRAFFIC SIGNAL LEGEND

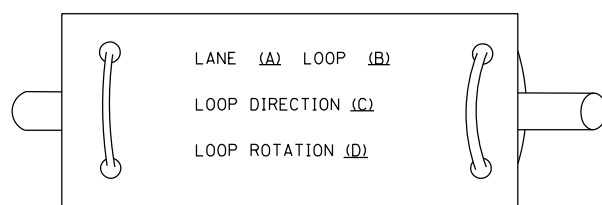
(NOT TO SCALE)

ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED
CONTROLLER CABINET			HANDHOLE -SQUARE -ROUND	 	 	SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD		
COMMUNICATION CABINET			HEAVY DUTY HANDHOLE -SQUARE -ROUND	 	 	SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE		
MASTER CONTROLLER			DOUBLE HANDHOLE			PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
MASTER MASTER CONTROLLER			JUNCTION BOX			PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER		
UNINTERRUPTABLE POWER SUPPLY			RAILROAD CANTILEVER MAST ARM			ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
SERVICE INSTALLATION -(P) POLE MOUNTED			RAILROAD FLASHING SIGNAL			NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED		
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED	 	 	RAILROAD CROSSING GATE			GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)		
TELEPHONE CONNECTION			RAILROAD CROSSBUCK			ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C		
STEEL MAST ARM ASSEMBLY AND POLE			RAILROAD CONTROLLER CABINET			COAXIAL CABLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE			UNDERGROUND CONDUIT (UC), GALVANIZED STEEL			VENDOR CABLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE			TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE			COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY		 	SYSTEM ITEM	S	SP	FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F		
WOOD POLE			INTERSECTION ITEM	I	IP	GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE		
GUY WIRE			REMOVE ITEM		R			
SIGNAL HEAD			RELOCATE ITEM		RL			
SIGNAL HEAD WITH BACKPLATE			ABANDON ITEM		A			
SIGNAL HEAD OPTICALLY PROGRAMMED			CONTROLLER CABINET AND FOUNDATION TO BE REMOVED		RCF			
FLASHER INSTALLATION -(FS) SOLAR POWERED	 	 	MAST ARM POLE AND FOUNDATION TO BE REMOVED		RMF			
PEDESTRIAN SIGNAL HEAD			SIGNAL POST AND FOUNDATION TO BE REMOVED		RPF			
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON	 	 	DETECTOR LOOP, TYPE I	 	 			
RADAR DETECTION SENSOR			PREFORMED DETECTOR LOOP	 	 			
VIDEO DETECTION CAMERA			SAMPLING (SYSTEM) DETECTOR	 	 			
RADAR/VIDEO DETECTION ZONE			INTERSECTION AND SAMPLING (SYSTEM) DETECTOR	 	 			
PAN, TILT, ZOOM (PTZ) CAMERA			QUEUE AND SAMPLING (SYSTEM) DETECTOR	 	 			
EMERGENCY VEHICLE LIGHT DETECTOR			WIRELESS DETECTOR SENSOR					
CONFIRMATION BEACON			WIRELESS ACCESS POINT					
WIRELESS INTERCONNECT								
WIRELESS INTERCONNECT RADIO REPEATER								

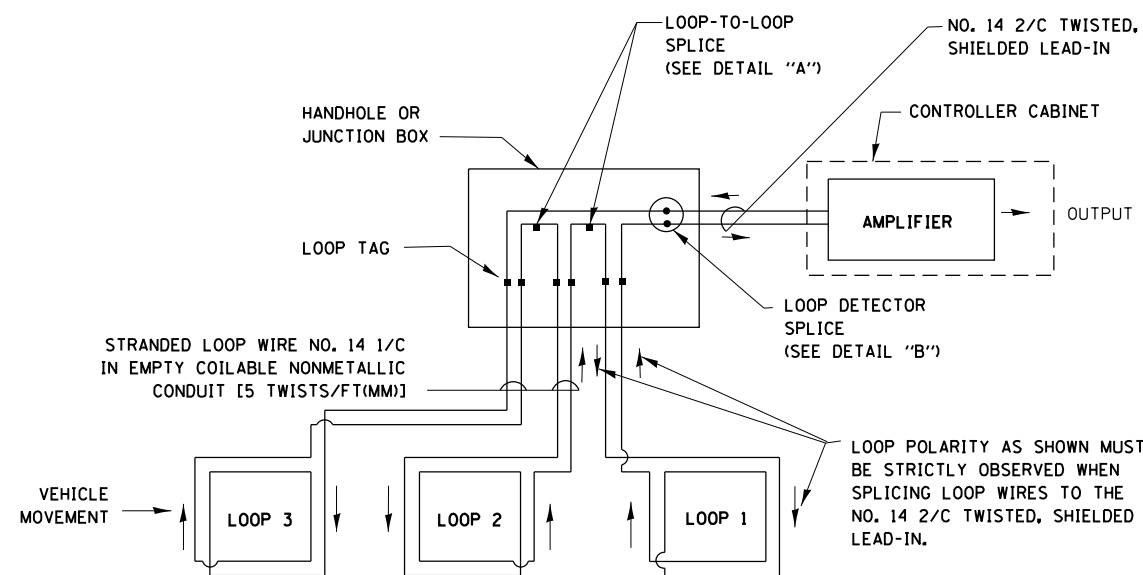
**LOOP DETECTOR NOTES**

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.

**LOOP LEAD-IN CABLE TAG**

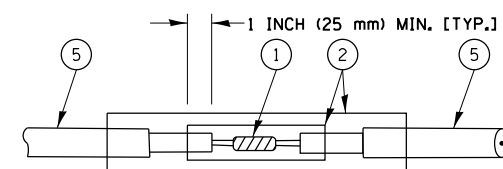


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

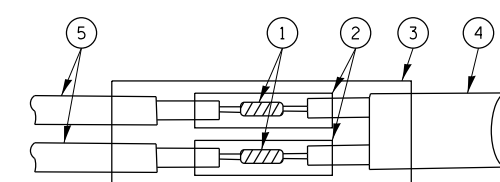


**DETECTOR LOOP WIRING SCHEMATIC**

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

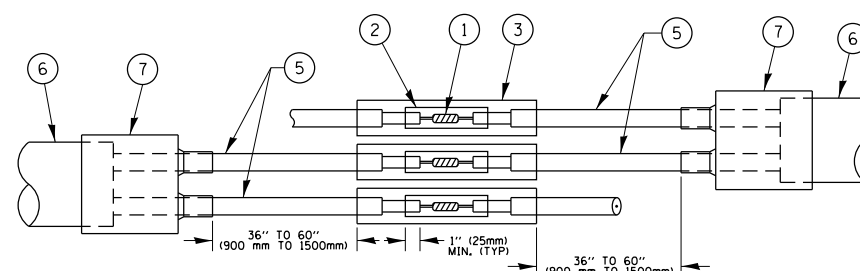


DETAIL "A"  
LOOP-TO-LOOP SPLICE

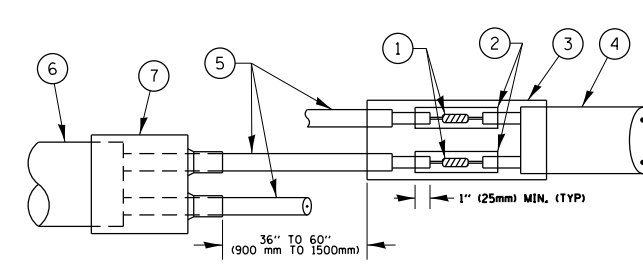


DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**TYPE I LOOP**



DETAIL "A"  
LOOP-TO-LOOP SPLICE



DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**PRE-FORMED LOOP**

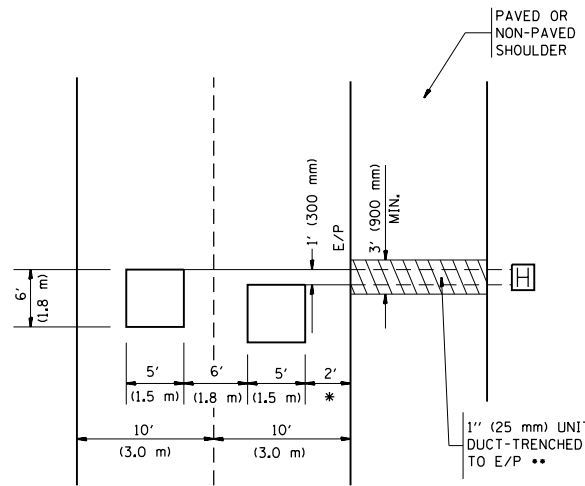
**LOOP DETECTOR SPLICE**

- 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

FILE NAME =	USER NAME = currywaw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DI073\Drawings\Design\Diststd.dgn		CHECKED -	REVISED -			347	2016-084RS	COOK	74	73
Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -			<b>TS-05</b>		<b>CONTRACT NO. 62D64</b>		
	PLOT DATE = 3/1/2018					ILLINOIS FED. AID PROJECT				

**LOOPS NEXT TO SHOULDERS**

PROVIDE A PAVEMENT REPLACEMENT NOTE WHICH SHOULD EQUAL 3' (900 mm) X WIDTH OF PAVED SHOULDER.

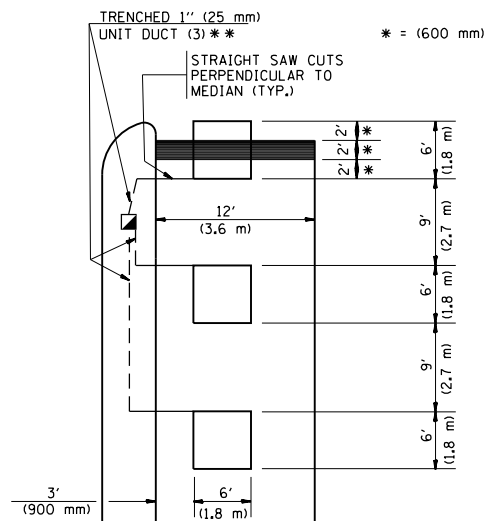


\* = (600 mm)

\*\* UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

**LEFT TURN LANES WITH MEDIANS  
VOLUME DENSITY ("FAR OUT" DETECTION)  
ON SAME APPROACH  
(PROTECTED / PERMITTED LEFT TURN PHASING)**

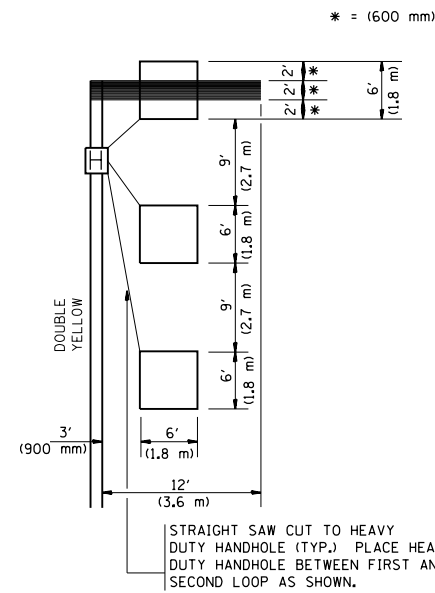
HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.



\*\* UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

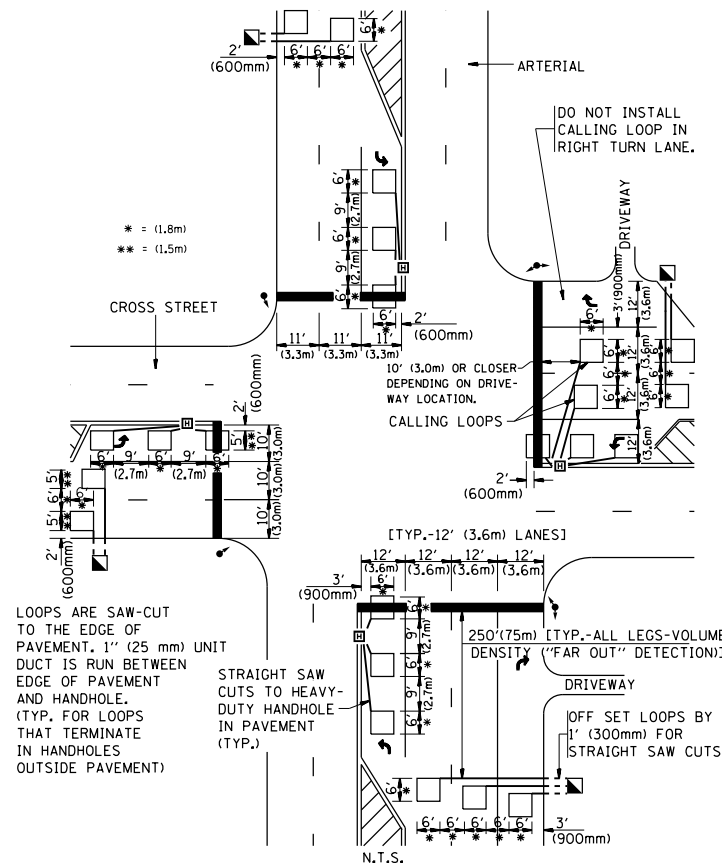
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

**LEFT TURN LANES WITHOUT MEDIANS  
VOLUME DENSITY ("FAR OUT" DETECTION)  
ON SAME APPROACH  
(PROTECTED / PERMITTED LEFT TURN PHASING)**



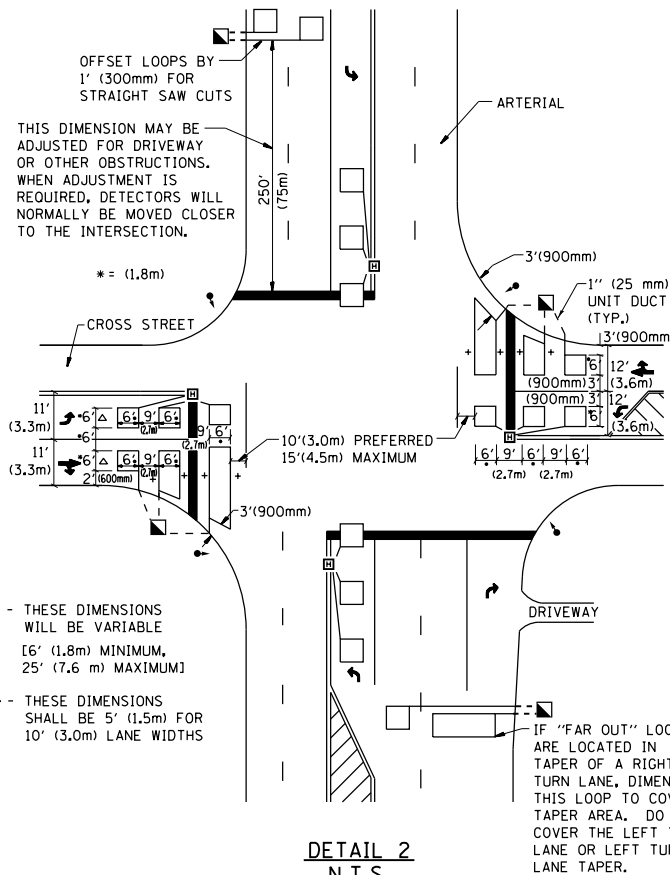
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)  
CROSS STREET-VOLUME DENSITY ("FAR OUT" DETECTION)**



**DETAIL 1  
N.T.S.**

**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)  
CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)**



**DETAIL 2  
N.T.S.**

**NOTES:**

**VEHICLES LOOP DETECTORS**

- \* ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- \* EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- \* EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATELY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
- \* ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
- \* EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
- \* WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).
- \* WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

**PLACEMENT OF DETECTORS**

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DEMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

**NOTE:**

ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

FILE NAME =	USER NAME = currywaw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\11\084EBID\INTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\DI073\Drawings\Design\Diststd.dgn		CHECKED - R.K.F.	REVISED -		347	2016-084RS	COOK	74	74			
PLOT SCALE = 100.0000' / 1in.		DATE -	REVISED -		<b>TS-07</b>			<b>CONTRACT NO. 62D64</b>				
PLOT DATE = 3/1/2018			REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			