

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	197B&3192)RS-2	COOK	54	1
		ILLINOIS	CONTRACT NO. 62D09	

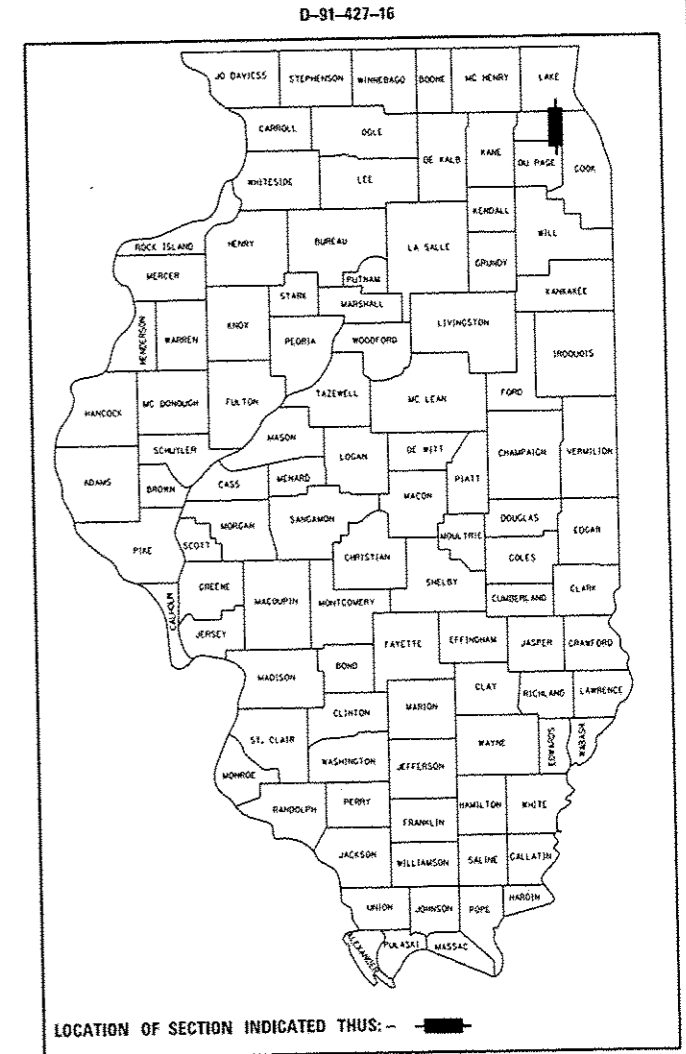
06-16-2017 LETTING ITEM 084

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 344: ILL RTE 83 (ELMHURST ROAD)
U.S. RTE 14 (NW HIGHWAY) TO 0.1-MI SOUTH OF PALATINE ROAD
SECTION: (97B&3192) RS-2
PROJECT: NHPP-0344 (063)
RESURFACING (3P), PEDESTRIAN RAMPS
COOK COUNTY

C-91-427-16



LOCATION OF SECTION INDICATED THUS: —

FOR INDEX OF SHEETS, SEE SHEET NO. 2

THIS PROJECT IS LOCATED IN THE VILLAGES OF PROSPECT HEIGHTS AND MOUNT PROSPECT

TRAFFIC DATA:

ILL RTE 83 (ELMHURST RD):

U.S. RTE 14 TO CENTRAL RD:
ADT (2015) = 12,500
SPEED LIMIT = 30 MPH

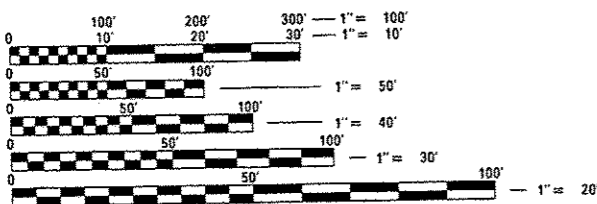
CENTRAL RD TO GREGORY ST:
ADT (2015) = 12,500
SPEED LIMIT = 35 MPH

GREGORY ST TO U.S. RTE 12:
ADT (2015) = 15,800
SPEED LIMIT = 35 MPH

U.S. RTE 12 TO EUCLID AVE:
ADT (2015) = 17,300
SPEED LIMIT = 35 MPH

EUCLID AVE TO CAMP MCDONALD RD:
ADT (2015) = 22,100
SPEED LIMIT = 40 MPH

CAMP MCDONALD RD TO PALATINE RD:
ADT (2015) = 16,300
SPEED LIMIT = 40 MPH

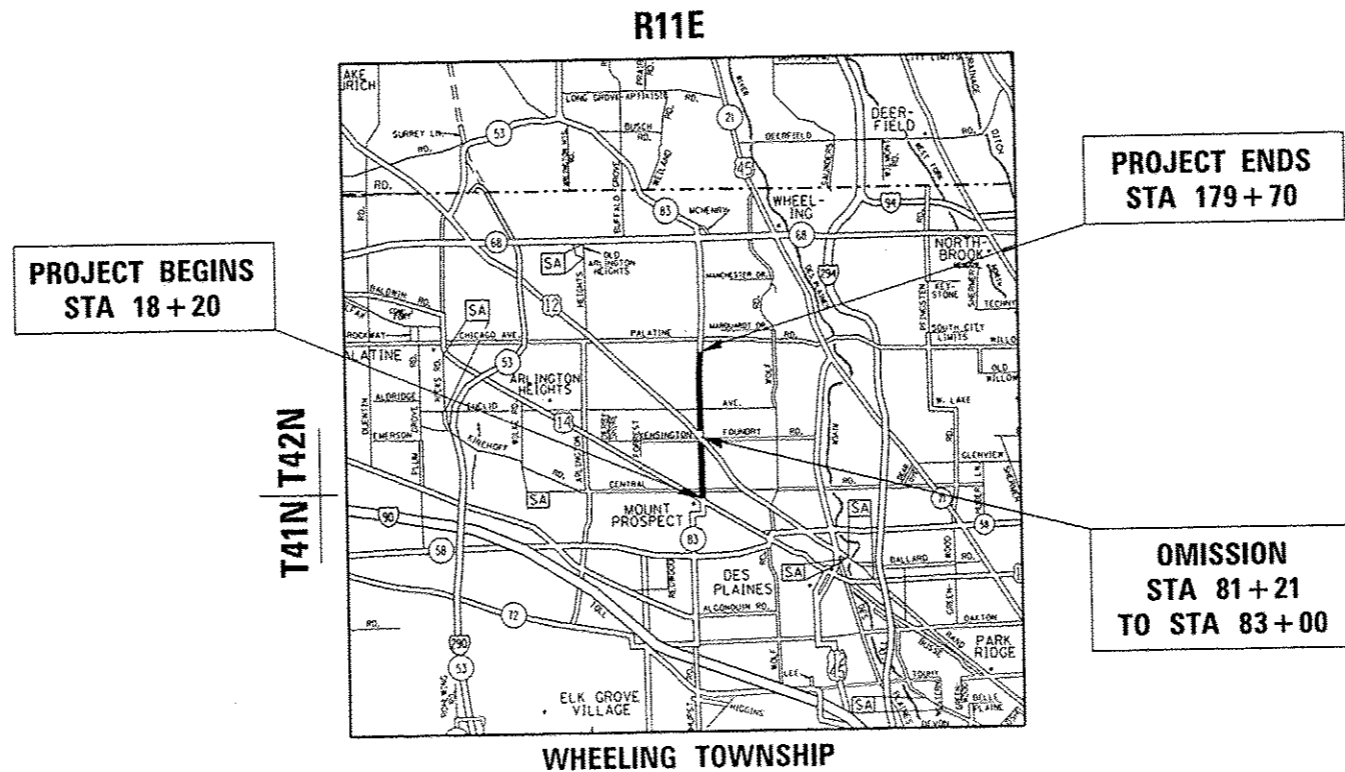


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER KARI SMITH (847) 705-4437
PROJECT MANAGER FAWAD AQUEEL (847) 705-4247

CONTRACT NO. 62D09



GROSS LENGTH = 16150 FT. = 3.059 MILES
NET LENGTH = 15948 FT. = 3.020 MILES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED April 3, 2017
Anthony J. Park
REGIONAL ENGINEER

Maureen M. Addis, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

May 12, 2017
Maureen M. Addis
DIRECTOR OF PROGRAM DEVELOPMENT

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

STATE STANDARDS

GENERAL NOTES

SHEET NO.	DESCRIPTION
1	COVER SHEET
2-3	INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES
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7-8	TYPICAL SECTIONS
9	PEDESTRIAN RAMP QUANTITIES
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24-42	PEDESTRIAN RAMP IMPROVEMENT PLANS
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44	BD-22: PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
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52	TC-22: ARTERIAL ROAD INFORMATION SIGN
53	TS-05: DISTRICT ONE - STANDARD TRAFFIC SIGNAL DESIGN DETAILS (SHEET 2 OF 7)
54	TS-07: DISTRICT ONE - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING

STANDARD NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001-09	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-02	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-03	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424031-01	MEDIAN PEDESTRIAN CROSSINGS
442201-03	CLASS C AND D PATCHES
604001-04	FRAME AND LIDS, TYPE I
606001-06	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPEN FOR SPEEDS < 40 MPH
701602-08	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701606-10	URBAN SINGLE LANE 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
780001-05	TYPICAL PAVEMENT MARKINGS (STATE)
814001-03	HANDHOLES

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION) AT 800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOUR NOTIFICATION REQUIRED).
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT THE WRITTEN PERMISSION OF THE DEPARTMENT.
- THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGES OF MOUNT PROSPECT AND PROSPECT HEIGHTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF ANY DETECTOR LOOPS DAMAGED DURING CONSTRUCTION.
- ANY PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS OBLITERATED BY MILLING AND RESURFACING OPERATIONS ON SIDE STREETS AND ENTRANCES SHALL BE REPLACED AND PAID FOR IN KIND.
- 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 MARKINGS SHALL BE AS DIRECTED BY THE RESIDENT ENGINEER.
- ALL PAVEMENT PATCHING, CURB AND GUTTER REMOVAL AND REPLACEMENT, AND DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER/TECHNICIAN.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- THE THICKNESS OF THE HMA MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA MIXTURE IS PLACED.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
- WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1/2 INCHES WHERE THE SPEED LIMIT IS 40 MPH OR LESS, AND 1 INCH, WHERE THE SPEED LIMIT IS OVER 40 MPH, WITH WRITTEN APPROVAL FROM THE RESIDENT ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM OF 1V:3H.
- BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) IN ACCORDANCE WITH THE "BUTT JOINT AND HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
- UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURE AS DETERMINED AND APPROVED 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.
- THE RESIDENT ENGINEER SHALL CONTACT CORY JUCIUS, ARTERIAL TRAFFIC FIELD ENGINEER VIA EMAIL AT CORY.JUCIUS@ILLINOIS.GOV A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- THE CONTRACTOR SHALL CONTACT DISTRICT ONE ARTERIAL TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
- 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.

SEE SHEET 3 FOR CONTINUATION

FILE NAME :	USER NAME : devineam	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES IL RTE 83 (ELMHURST RD) - US RTE 14 TO 0.1-MIS OF PALATINE RD	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default		CHECKED -	REVISED -			344	1978&3192RS-2	COOK	54	2	
	PLOT SCALE = 100.0000' / 1"	DATE -	REVISED -			CONTRACT NO. 62D09					
	PLOT DATE = 3/31/2017					SCALE:	SHEET	OF	SHEETS	STA.	TO

GENERAL NOTES (CONTINUED)

20. ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.
21. WHEN EXISTING SIDEWALK IS TO BE REMOVED WITHOUT PROPOSED SIDEWALK REPLACEMENT, IT SHALL BE REPLACED WITH TOPSOIL AND SOD.
22. THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ANY AND ALL EXISTING ITEMS THAT WILL NOT BE REMOVED INCLUDING PREVIOUSLY SEEDED AREAS. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S OWN EXPENSE TO THE SATISFACTION OF THE ENGINEER.
23. LANDSCAPED AREAS AFFECTED BY SIDEWALK CONSTRUCTION SHALL BE RESTORED WITH 18-INCH WIDE STRIP OF "SODDING, SALT TOLERANT" AND "TOPSOIL FURNISH AND PLACE, 6-INCH" INSTALLED FROM THE BACK OF THE SIDEWALK, OR AS DETERMINED BY THE RESIDENT ENGINEER/TECHNICIAN.
24. ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF CURB OR DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPERATELY BUT SHALL BE CONSIDERED AS INCIDENTAL.
25. THE GENERAL CONTRACTOR IS REQUIRED TO HIRE AN ENVIRONMENT FIRM TO CONTINUOUSLY MONITOR FOR WORKER SAFETY AND SOIL CONTAMINATION AT SEVERAL LOCATIONS. SEE SPECIAL PROVISION AND SUPPLEMENTAL SPECIFICATIONS FOR DETAILS.
26. DOUBLE LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL "TYPICAL APPLICATIONS - RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" SHOWN IN THE PLANS.
27. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES DURING CONSTRUCTION.

FILE NAME :	USER NAME : davinian	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES IL RTE 83 (ELMHURST RD) - US RTE 14 TO 0.1-MIS OF PALATINE RD	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
\\IL094EBIDINTEG\illinois.gov\PIWDD\Documents\DOT Offices\District 1\Projects\01427\BROWData\Design\0142716-shs-gennote.dgn		CHECKED -	REVISED -			344	1978&3192RS-2	COOK	54	3	
Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -			SCALE: SHEET OF SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT CONTRACT NO. 62D09			
	PLOT DATE = 3/31/2017	DATE -	REVISED -								

URBAN

URBAN

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE			
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005 80% FED 20% STATE	0005 100% VILLAGE OF MOUNT PROSPECT		
20200100	EARTH EXCAVATION	CU YD	95	95			
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	1176	1176			
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	10	10			
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	10	10			
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	10	10			
25200110	SODDING, SALT TOLERANT	SO YD	1294	1294			
25200200	SUPPLEMENTAL WATERING	UNIT	94	94			
35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SO YD	9	9			
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SO YD	20	20			
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	64110	64110			
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	143	143			
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	3920	3920			
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	700	700			
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	4	4			

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE			
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005 80% FED 20% STATE	0005 100% VILLAGE OF MOUNT PROSPECT		
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	7977	7977			
42001300	PROTECTIVE COAT	SO YD	1251	1251			
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SO YD	108	108			
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SO YD	108	108			
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	9611	9611			
42400800	DETECTABLE WARNINGS	SO FT	868	868			
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SO YD	94965	94965			
44000200	DRIVEWAY PAVEMENT REMOVAL	SO YD	245	245			
44000600	SIDEWALK REMOVAL	SO FT	8869	8869			
44201785	CLASS D PATCHES, TYPE I, 12 INCH	SO YD	75	75			
44201789	CLASS D PATCHES, TYPE II, 12 INCH	SO YD	1709	1709			
44201794	CLASS D PATCHES, TYPE III, 12 INCH	SO YD	250	250			
44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SO YD	250	250			

* = SPECIALTY ITEMS

14

FILE NAME :	USER NAME :	DESIGNED :	REVISED :	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES IL RTE 83 (ELMHURST RD) - US RTE 14 TO 0.1-MI S OF PALATINE RD	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw\VLORAC\BIO\INTEG\11\ndsgov\PWIDOT\Documents\1007	Office\District 14\Projects\142710\CADD\Design\142710	DR	REVISED :			344	197B&3192RS-2	COOK	54	4	
PLOT SCALE = 100,000' / 1"	CHECKED :	REVISED :	SCALE:			SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT
PLOT DATE = 3/31/2017	DATE :	REVISED :									

Rev

URBAN

URBAN

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE						
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005 80% FED 20% STATE	0005 100% VILLAGE OF MOUNT PROSPECT				
60250200	CATCH BASINS TO BE ADJUSTED	EACH	6	6					
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	2	2					
60255500	MANHOLES TO BE ADJUSTED	EACH	7	7					
60260100	INLETS TO BE ADJUSTED	EACH	1	1					
60262700	INLETS TO BE RECONSTRUCTED	EACH	2	2					
60265700	VALVE VAULTS TO BE ADJUSTED	EACH	1	1					
60266600	VALVE BOXES TO BE ADJUSTED	EACH	1	1					
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	48	48					
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	10	10					
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	50	50					
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	95	95					
* 66900450	SPECIAL WASTE PLANS AND REPORTS	LSUM	1	1					
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	4	4					
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	8	8					
67100100	MOBILIZATION	LSUM	1	1					

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE						
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005 80% FED 20% STATE	0005 100% VILLAGE OF MOUNT PROSPECT				
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	LSUM	1	1					
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	LSUM	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	25980	25980					
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	8660	8660					
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SO FT	1400	1400					
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	49900	49900					
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	6700	6700					
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	2310	2310					
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	1020	1020					
70300510	PAVEMENT MARKING TAPE, TYPE III - LETTERS AND SYMBOLS	SO FT	1440	1440					
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	8700	8700					* = SPECIALTY ITEMS

FILE NAME: ...

USER NAME: ...
DESIGNED: ...
CHECKED: ...
DATE: ...

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL RTE 83 (ELMHURST RD) - US RTE 14 TO 0.1-MI S OF PALATINE RD

F.A.P. RTE. 344
SECTION 1978&3192RS-2
COUNTY COOK
TOTAL SHEETS 54 SHEET NO. 5
CONTRACT NO. 62D09

201

URBAN

URBAN

SUMMARY OF QUANTITIES			TOTAL QUANTITIES		CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT			0005 80% FED 20% STATE	0005 100% VILLAGE OF MOUNT PROSPECT				
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	50 FT	1400	1400						
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	49900	49900						
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	6700	6700						
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	2310	2310						
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	1020	1020						
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1532	1532						
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1532	1532						
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	4	4						
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	4245	4245						
* 89500400	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	14	14						
* 89502376	REBUILD EXISTING HANDHOLE	EACH	5	5						

SUMMARY OF QUANTITIES			TOTAL QUANTITIES		CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT			0005 80% FED 20% STATE	0005 100% VILLAGE OF MOUNT PROSPECT				
* 89502378	REBUILD EXISTING HANDHOLE TO HEAVY-DUTY HANDHOLE	EACH	17	17						
X0320050	CONSTRUCTION LAYOUT (SPECIAL)	LSUM	1	1						
* X0326864	BRICK SIDEWALK REMOVAL	50 FT	120	120						
X1240800	DETECTABLE WARNINGS (SPECIAL)	SQ FT	120	120						
△ X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	2160	2160						
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	91	91						
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	50 FT	29730	29730						
Z0004562	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	6870	6870						
△ Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	180	180						
Z0030850	TEMPORARY INFORMATION SIGNING	50 FT	52	52						
∅ Z0076000	TRAINEES	HOURL	500	500						
∅ Z0076004	TRAINEES - TRAINING PROGRAM GRADUATE	HOURL	500	500						
9 ∅ 0042										

* = SPECIALTY ITEMS
△ = NON-PARTICIPATING WORK (100% STATE)

FILE NAME =	USER NAME = dmfrees	DESIGNED -	REVISED -
PHN\LD\BEBID\INT\EG\11\rd\sgov\PH007\Documents\VD07	OFFices\District\Projects\DI\27\KIC\ADD\rd\Onsign\DI\27	CHECKED -	REVISED -
		DATE -	REVISED -

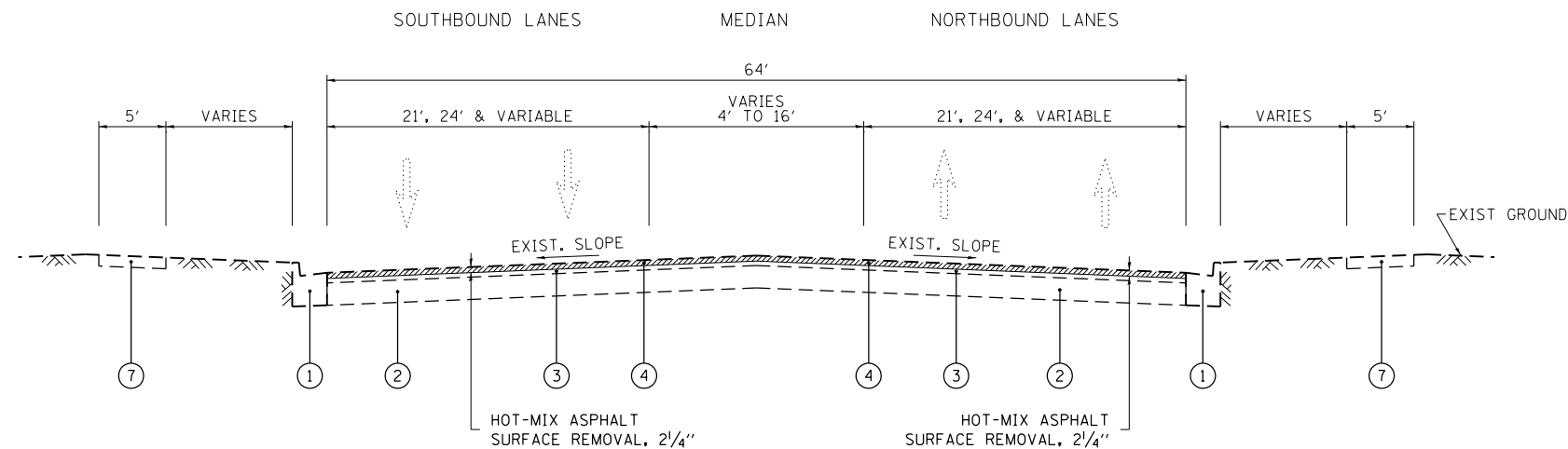
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
IL RTE 83 (ELMHURST RD) - US RTE 14 TO 0.1-MI S OF PALATINE RD			
SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	

F.A.P. RATE:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(978&3192)RS-2	COOK	54	6
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CONTRACT NO. 62D09				

Rev

IL 83 (ELMHURST ROAD)



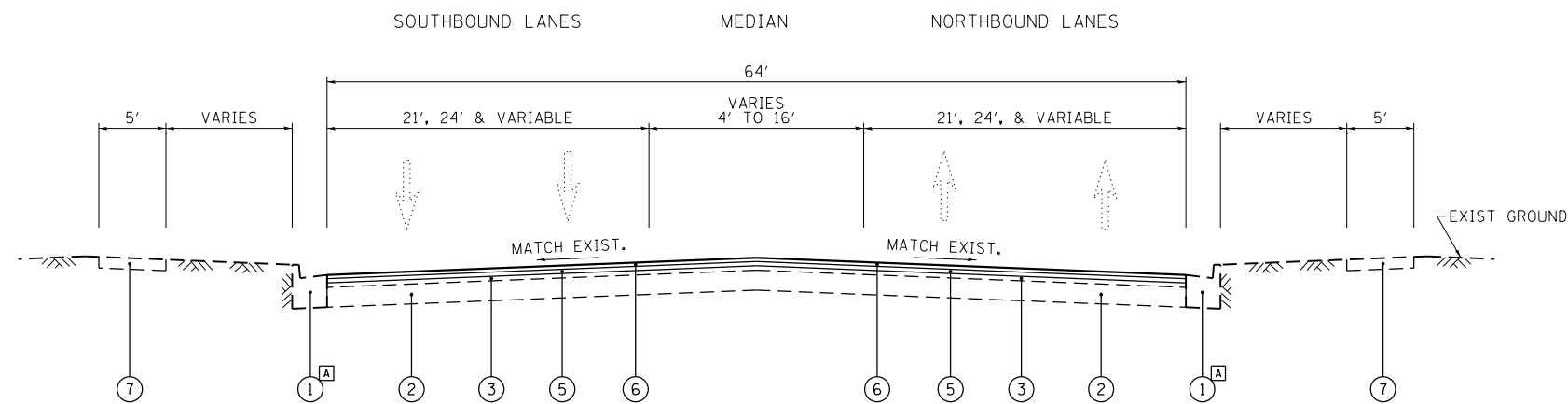
EXISTING TYPICAL SECTION

STA 18+20 TO STA 32+50
 STA 73+50 TO STA 81+21
 STA 105+90 TO STA 179+70

LEGEND

- ① EXISTING COMBINATION CONC. C&G TYPE B-6.12 AND VARIES
 - ② EXISTING P.C.C. PAVEMENT (9" AND VARIES)
 - ③ EXISTING HOT-MIX ASPHALT SURFACE (4 1/2" AND VARIES)
 - ④ PROPOSED HOT-MIX-ASPHALT SURFACE REMOVAL, 2 1/4"
 - ⑤ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
 - ⑥ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
 - ⑦ EXISTING P.C.C. SIDEWALK
 - ⑧ EXISTING CONCRETE CURB
 - ⑨ EXISTING CONCRETE MEDIAN SURFACE (4")
- ①^A COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT TO BE DETERMINED IN THE FIELD BY RESIDENT ENGINEER/RESIDENT TECHNICIAN.

IL 83 (ELMHURST ROAD)



PROPOSED TYPICAL SECTION

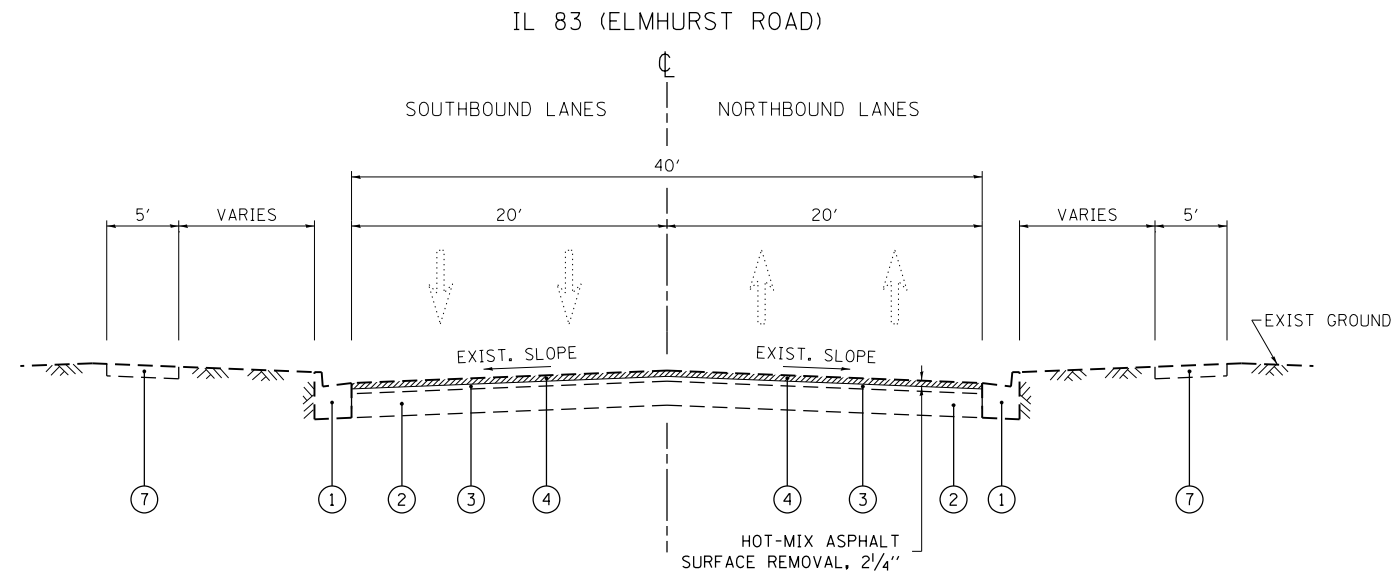
STA 18+20 TO STA 32+50
 STA 73+50 TO STA 81+21
 STA 105+90 TO STA 179+70

NOTES:

THE CONTRACTOR SHALL MILL FIRST BEFORE PATCHING

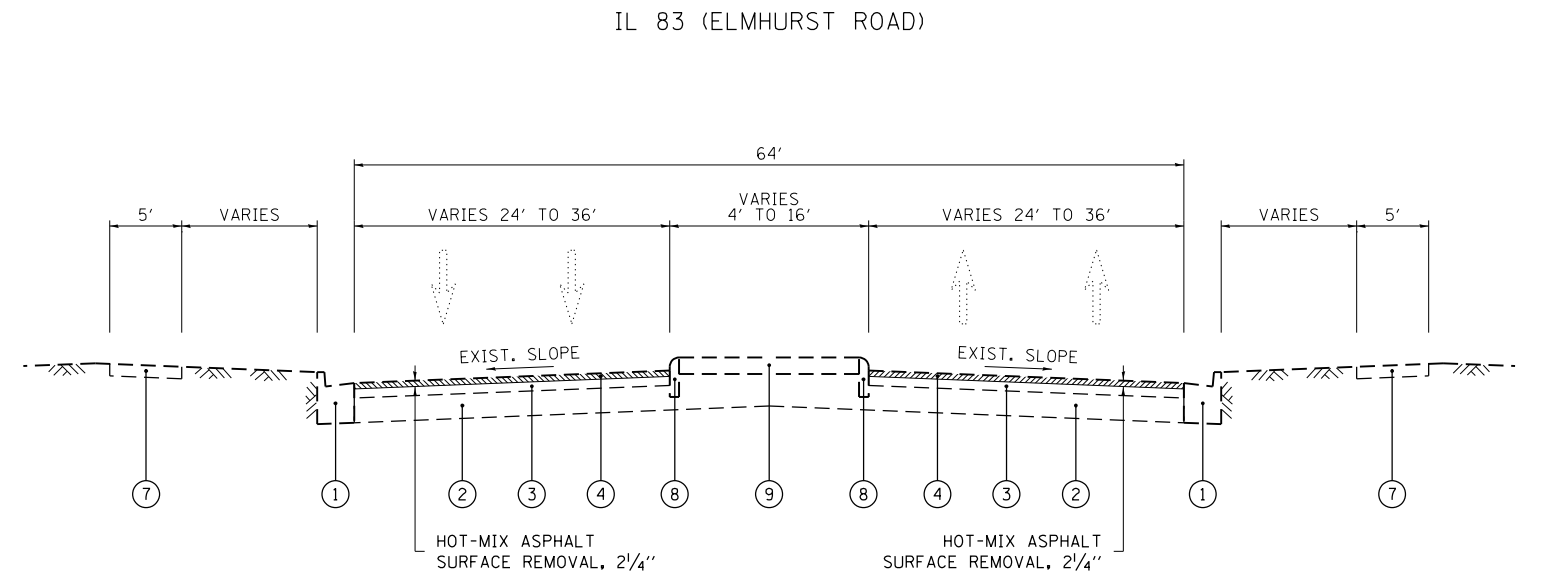
HOT-MIX ASPHALT MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (OMP)
MIXTURE TYPE	AIR VOIDS @ Ndes	
PAVEMENT RESURFACING		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm)	4% AT 70 GYR.	PFP
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	3.5% AT 50 GYR.	OCP
DRIVEWAYS		
HMA SURFACE COURSE, MIX D, N 50 (IL 9.5 mm); 2"	4% AT 50 GYR.	QC/OA
HMA BASE COURSE (HMA BINDER IL-19 mm); PE - 6", CE - 8"	4% AT 50 GYR.	QC/OA
PATCHING		
CLASS D PATCHES (HMA BINDER IL-19 mm)	4% AT 70 GYR.	QC/OA
OMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/OA); QUALITY CONTROL FOR PERFORMANCE (QFP); PAY FOR PERFORMANCE (PFP)		

- NOTE 1: THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
- NOTE 2: THE "AC TYPE" FOR POLYMERIZED HMA MIXES 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 SPECIAL PROVISIONS.
- NOTE 3: QUALITY MANAGEMENT PROGRAM (OMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.



EXISTING TYPICAL SECTION

STA 32+50 TO STA 73+50

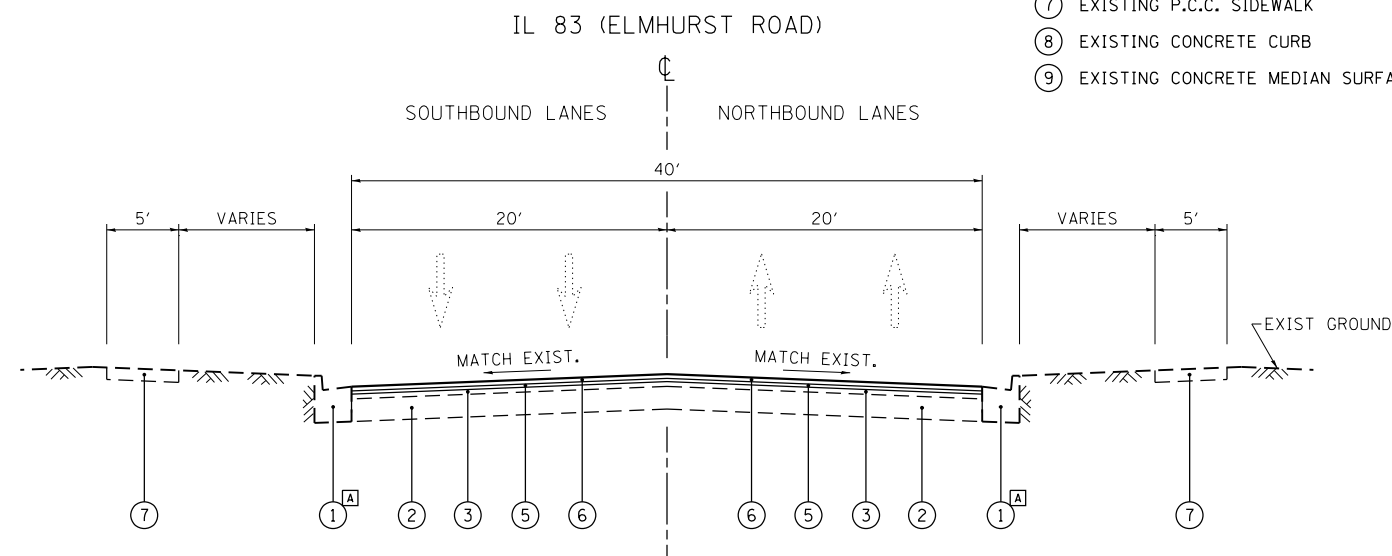


EXISTING TYPICAL SECTION

STA 83+00 TO STA 105+90

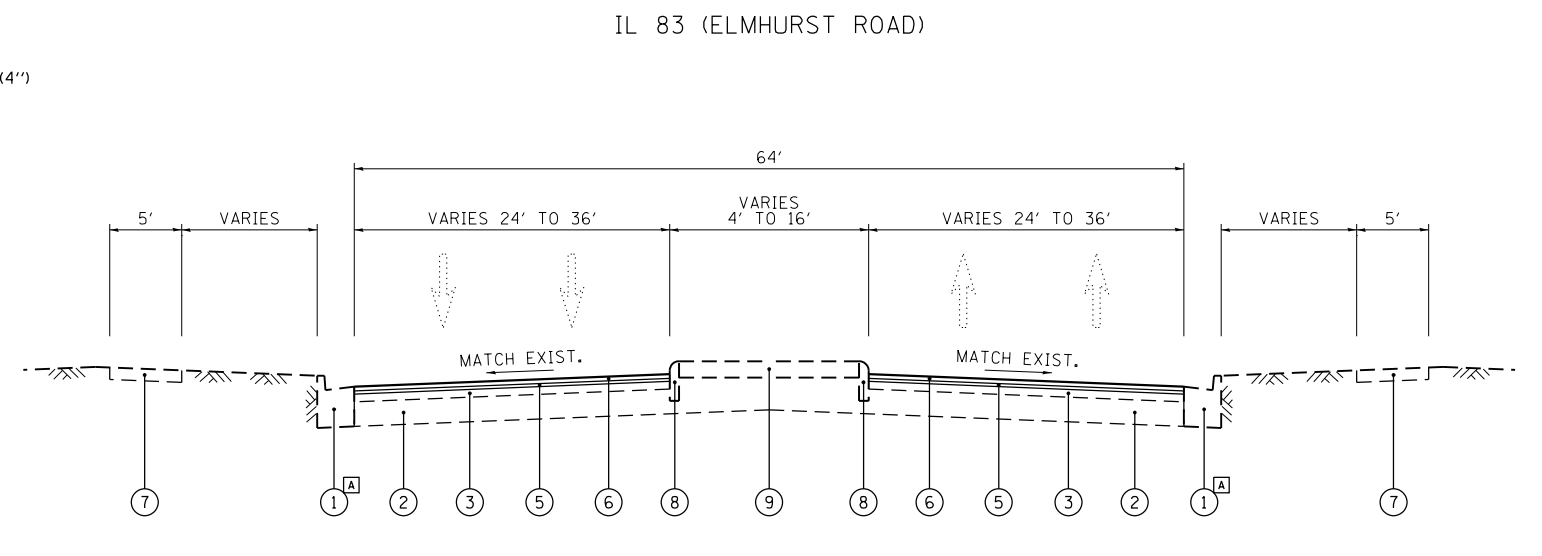
LEGEND

- ① EXISTING COMBINATION CONC. C&G TYPE B-6.12 AND VARIES
- ② EXISTING P.C.C. PAVEMENT (9" AND VARIES)
- ③ EXISTING HOT-MIX ASPHALT SURFACE (4 1/2" AND VARIES)
- ④ PROPOSED HOT-MIX-ASPHALT SURFACE REMOVAL, 2 1/4"
- ⑤ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- ⑥ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
- ⑦ EXISTING P.C.C. SIDEWALK
- ⑧ EXISTING CONCRETE CURB
- ⑨ EXISTING CONCRETE MEDIAN SURFACE (4")



PROPOSED TYPICAL SECTION

STA 32+50 TO STA 73+50



PROPOSED TYPICAL SECTION

STA 83+00 TO STA 105+90

①^A COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT TO BE DETERMINED IN THE FIELD BY RESIDENT ENGINEER/RESIDENT TECHNICIAN.

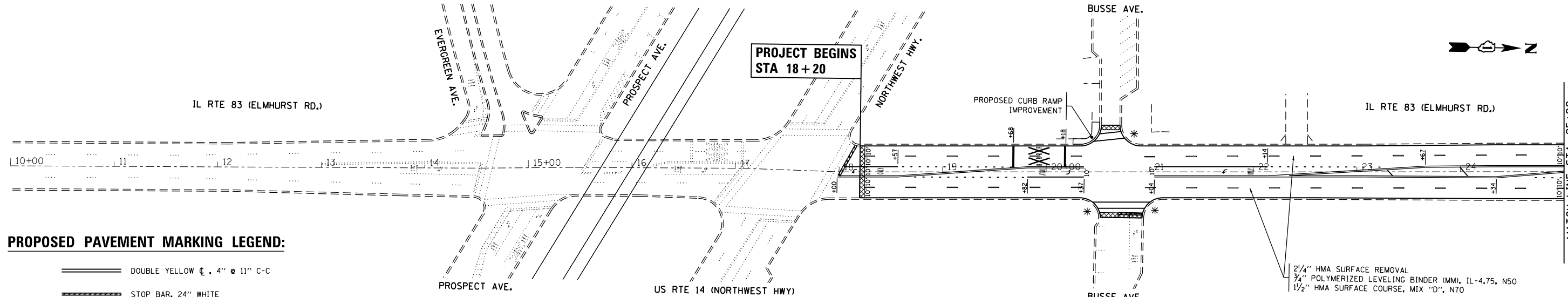
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS			
IL RTE 83 (ELMHURST RD) - US RTE 14 TO 0.1-MI S OF PALATINE RD			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(97B&3192)RS-2	COOK	54	8
CONTRACT NO. 62D09				
ILLINOIS FED. AID PROJECT				

LOCATION		20200100	21101615	25000400	25000500	25000600	25200110	25200200	42001300	42400200	42400800	44000600	60250200	60255500	60260100	60265700	60266600	85000200	89500400	89502376	X0326864	X4240800	Z0004562	
CROSS STREET	CORNER	EARTH EXCAVATION	TOPSOIL FURNISH AND PLACE, 4"	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	SODDING, SALT TOLERANT	SUPPLEMENTAL WATERING	PROTECTIVE COAT	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	DETECTABLE WARNINGS	SIDEWALK REMOVAL	CATCH BASINS TO BE ADJUSTED	MANHOLES TO BE ADJUSTED	INLETS TO BE ADJUSTED	VALVE VAULTS TO BE ADJUSTED	VALVE BOXES TO BE ADJUSTED	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	REBUILD EXISTING HANDHOLE	BRICK SIDEWALK REMOVAL	DETECTABLE WARNINGS (SPECIAL)	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	
		CU YD	SQ YD	POUND	POUND	POUND	SO YD	UNIT	SO YD	SO FT	SO FT	SO FT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	SO FT	SO FT	FOOT	
BUSSE AVE (BRICK)	NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0																
BUSSE AVE	SW	2.5	0.0	0.0	0.0	0.0	0.0	0.0	35	246	24	246	1	1								20	20	41
BUSSE AVE (BRICK)	NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0														20	20	
BUSSE AVE (BRICK)	SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0														20	20	
CENTRAL RD	NW	2.3	0.0	0.0	0.0	0.0	0.0	0.0	32	230	31	230			1				2					39
CENTRAL RD (BRICK)	SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0												1		20	20	
CENTRAL RD (BRICK)	NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0														20	20	
CENTRAL RD (BRICK)	SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0												1		20	20	
HENRY ST	NW	2.1	12.8	0.3	0.3	0.3	14.1	0.7	28	209	20	187	1											28
HENRY ST	SW	4.3	11.2	0.2	0.2	0.2	12.3	0.6	55	428	21	395	1			1								45
HENRY ST	NE	3.7	21.5	0.4	0.4	0.4	23.7	1.2	46	367	20	324		1										28
HENRY ST	SE	2.4	14.5	0.3	0.3	0.3	16.0	0.8	32	242	20	215												28
THAYER ST	NW	3.4	20.2	0.4	0.4	0.4	22.2	1.1	43	343	20	319				1								28
THAYER ST	SW	3.5	20.0	0.4	0.4	0.4	22.0	1.1	44	353	20	320												28
THAYER ST	NE	2.5	15.0	0.3	0.3	0.3	16.5	0.8	33	249	20	221												28
THAYER ST	SE	2.6	15.3	0.3	0.3	0.3	16.9	0.9	34	259	20	228												28
GREGORY ST	NW	3.3	19.5	0.4	0.4	0.4	21.5	1.1	42	334	20	308							1					28
GREGORY ST	SW	2.8	15.8	0.3	0.3	0.3	17.4	0.9	36	277	20	251												28
GREGORY ST	NE	2.8	17.3	0.4	0.4	0.4	19.1	1.0	36	284	20	250		1										28
GREGORY ST	SE	1.2	9.0	0.2	0.2	0.2	9.9	0.5	18	121	20	101												28
MEMORY LN	NW	3.0	19.2	0.4	0.4	0.4	21.1	1.1	40	302	20	266	1											34
MEMORY LN	SW	2.6	15.7	0.3	0.3	0.3	17.2	0.9	34	262	20	234												28
MEMORY LN	NE	3.3	22.2	0.5	0.5	0.5	24.4	1.2	42	334	20	260	1											28
MEMORY LN	SE	3.6	21.0	0.4	0.4	0.4	23.1	1.2	44	355	20	255	1											28
HIGHLAND ST	NW	3.3	11.3	0.2	0.2	0.2	12.5	0.6	43	329	20	308		1										35
HIGHLAND ST	SW	3.5	11.5	0.2	0.2	0.2	12.7	0.6	46	354	20	327		1										36
JUDITH ANN DR	NE	3.4	19.2	0.4	0.4	0.4	21.1	1.1	42	335	10	362												25
JUDITH ANN DR	SE	2.6	15.3	0.3	0.3	0.3	16.9	0.9	33	257	20	228		1										28
KENSINGTON RD	SE	2.0	8.5	0.2	0.2	0.2	9.4	0.5	26	195	11	176												23
MEADOW LN	NW	0.7	4.0	0.1	0.1	0.1	4.4	0.2	10	68	14	68								1				15
MEADOW LN	SW	0.8	5.0	0.1	0.1	0.1	5.5	0.3	11	77	10	77												15
OXFORD PL	NW	0.5	2.9	0.1	0.1	0.1	3.2	0.2	7	45	11	45												12
OXFORD PL	SW	0.5	3.5	0.1	0.1	0.1	3.9	0.2	8	53	10	53												12
N RANDHURST VILLAGE DR	NE	1.0	6.5	0.1	0.1	0.1	7.2	0.4	13	97	11	97												12
EUCLID AVE	NW	1.9	9.6	0.2	0.2	0.2	10.5	0.5	24	186	23	186												19
EUCLID AVE	SW	3.2	16.2	0.3	0.3	0.3	17.8	0.9	39	323	24	330												15
EUCLID AVE	NE	2.2	6.2	0.1	0.1	0.1	6.8	0.3	32	220	20	202												41
EUCLID AVE	SE	1.7	11.5	0.2	0.2	0.2	12.7	0.6	21	169	10	165		1										14
HAWTHORNE PL	NE	0.8	5.2	0.1	0.1	0.1	5.7	0.3	11	77	10	77												14
HAWTHORNE PL	SE	0.8	5.5	0.1	0.1	0.1	6.1	0.3	12	82	10	82												15
MARS PL	NE	0.6	4.7	0.1	0.1	0.1	5.1	0.3	9	60	10	60												13
MARS PL	SE	0.8	5.0	0.1	0.1	0.1	5.5	0.3	11	76	12	76												14
CAMP MCDONALD RD	NW	2.1	10.9	0.2	0.2	0.2	12.0	0.6	30	206	31	206												42
CAMP MCDONALD RD	SW	1.9	9.0	0.2	0.2	0.2	9.9	0.5	25	190	28	190												23
CAMP MCDONALD RD	NE	1.9	8.0	0.2	0.2	0.2	8.8	0.5	25	186	26	186												22
CAMP MCDONALD RD	SE	1.3	4.8	0.1	0.1	0.1	5.3	0.3	18	126	25	126												21
CLARENDON ST	NE	1.1	3.7	0.1	0.1	0.1	4.1	0.2	18	114	23	114												33
CLARENDON ST	SE	1.2	3.8	0.1	0.1	0.1	4.2	0.2	19	122	22	122												32
HILLSIDE AVE	NE	1.1	3.8	0.1	0.1	0.1	4.2	0.2	17	105	27	105												31
HILLSIDE AVE	SE	1.1	7.5	0.2	0.2	0.2	8.2	0.4	18	107	14	154												33
WILLOW RD	NE	1.5	6.8	0.1	0.1	0.1	7.5	0.4	23	153	22	153												33
WILLOW RD	SE	1.1	4.0	0.1	0.1	0.1	4.4	0.2	17	106	18	106												32
TOTAL =		96	484	10	10	10	533	27	1,281	9,613	868	8,991	6	7	1	1	1	4	14	5	120	120	1,211	



PROPOSED PAVEMENT MARKING LEGEND:

- DOUBLE YELLOW C, 4" @ 11" C-C
- STOP BAR, 24" WHITE
- CROSSWALK-PEDESTRIAN, 6" WHITE @ 6' C-C
- 10' DASH - 30' SKIP, 4" WHITE
- 2' DASH - 6' SKIP, 6" WHITE
- SOLID LANE LINE, 6" WHITE
- MEDIAN EDGE LINE, 4" YELLOW
- DOUBLE YELLOW MEDIAN, 4" @ 11" C-C WITH 12" DIAGONALS @ 45°, SEE TC-13 FOR SPACING
- FULL SIZE LETTERS AND SYMBOLS, WHITE SEE TC-13 FOR DETAILS
- CROSSWALK-SCHOOL, LONGITUDINAL 12" BARS, WHITE SEE TC-13 FOR DETAILS

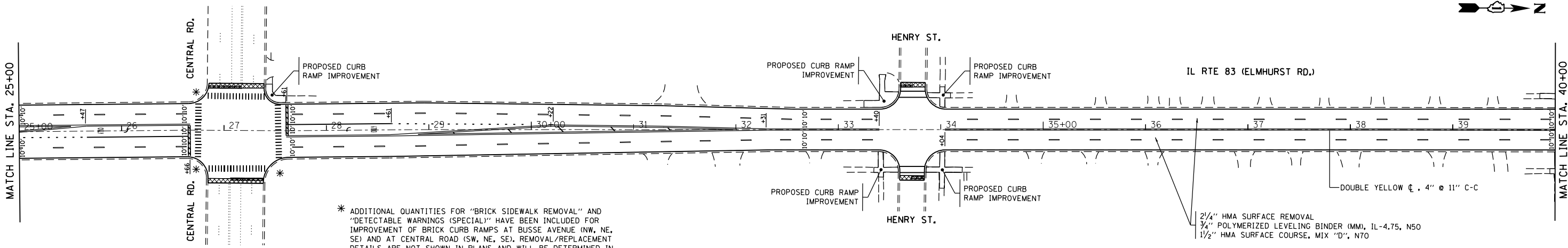
ROADWAY LEGEND

- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT

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.
- 2) ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKINGS (OF THE EXTRUDED TYPE).
- 3) ALL FINAL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH TC-13 "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" STANDARD DETAIL.
- 4) ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH TC-11 "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" STANDARD DETAIL.

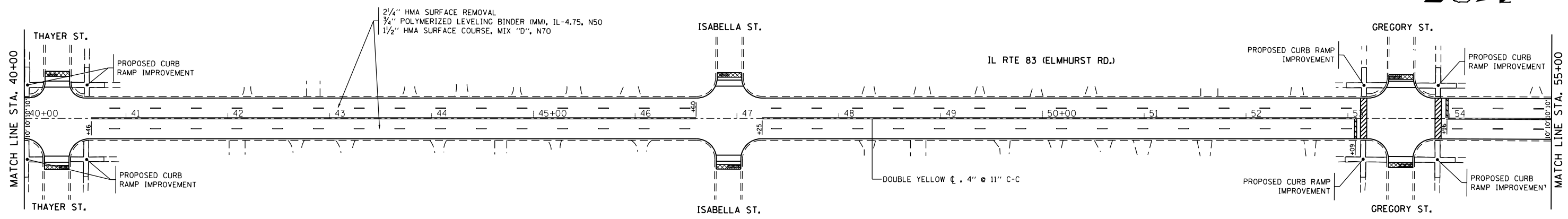
2 1/4" HMA SURFACE REMOVAL
 3/4" POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50
 1 1/2" HMA SURFACE COURSE, MIX "D", N70



* ADDITIONAL QUANTITIES FOR "BRICK SIDEWALK REMOVAL" AND "DETECTABLE WARNINGS (SPECIAL)" HAVE BEEN INCLUDED FOR IMPROVEMENT OF BRICK CURB RAMPS AT BUSSE AVENUE (NW, NE, SE) AND AT CENTRAL ROAD (SW, NE, SE). REMOVAL/REPLACEMENT DETAILS ARE NOT SHOWN IN PLANS AND WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER/RESIDENT TECHNICIAN. FOLLOW HIGHWAY STANDARD 424021-03; DEPRESSED CORNERS FOR SIDEWALKS.

2 1/4" HMA SURFACE REMOVAL
 3/4" POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50
 1 1/2" HMA SURFACE COURSE, MIX "D", N70

FILE NAME :	USER NAME : devineam	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN IL RTE 83 (ELMHURST RD) - US RTE 14 TO 0.1-MI S OF PALATINE RD	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
						344	(97B&3192)RS-2	COOK	54	10	
						CONTRACT NO. 62D09					
						ILLINOIS FED. AID PROJECT					
				SCALE:	SHEET OF SHEETS	STA.	TO STA.				



PROPOSED PAVEMENT MARKING LEGEND:

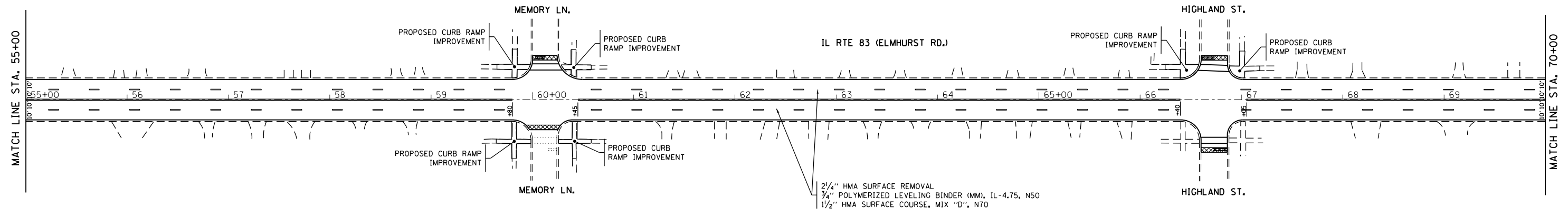
- DOUBLE YELLOW ϕ . 4" @ 11" C-C
- STOP BAR, 24" WHITE
- CROSSWALK-PEDESTRIAN, 6" WHITE @ 6' C-C
- 10' DASH - 30' SKIP, 4" WHITE
- 2' DASH - 6' SKIP, 6" WHITE
- SOLID LANE LINE, 6" WHITE
- MEDIAN EDGE LINE, 4" YELLOW
- DOUBLE YELLOW MEDIAN, 4" @ 11" C-C WITH 12" DIAGONALS @ 45°, SEE TC-13 FOR SPACING
- FULL SIZE LETTERS AND SYMBOLS, WHITE SEE TC-13 FOR DETAILS
- CROSSWALK-BIKE & EQUESTRIAN, 6" WHITE @ 6' C-C WITH 12" DIAGONALS, SEE TC-13 FOR DETAILS

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.
- 2) ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKINGS (OF THE EXTRUDED TYPE).
- 3) ALL FINAL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH TC-13 "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" STANDARD DETAIL.
- 4) ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH TC-11 "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" STANDARD DETAIL.

ROADWAY LEGEND

- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT



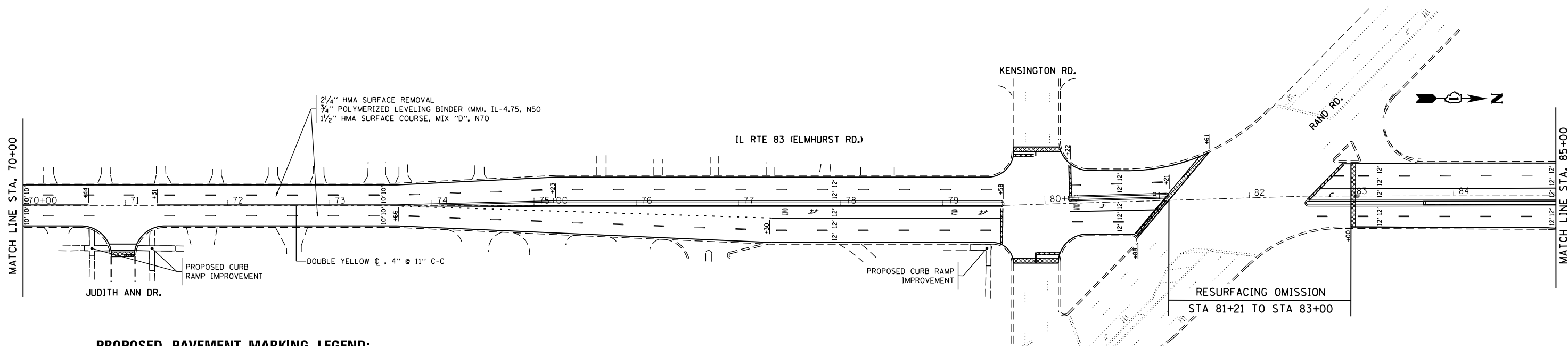
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	PLOT DATE = 3/27/2017		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROADWAY PLAN
IL RTE 83 (ELMHURST RD) - US RTE 14 TO 0.1-MI S OF PALATINE RD

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(97B&3192)RS-2	COOK	54	11
CONTRACT NO. 62D09				
ILLINOIS FED. AID PROJECT				



PROPOSED PAVEMENT MARKING LEGEND:

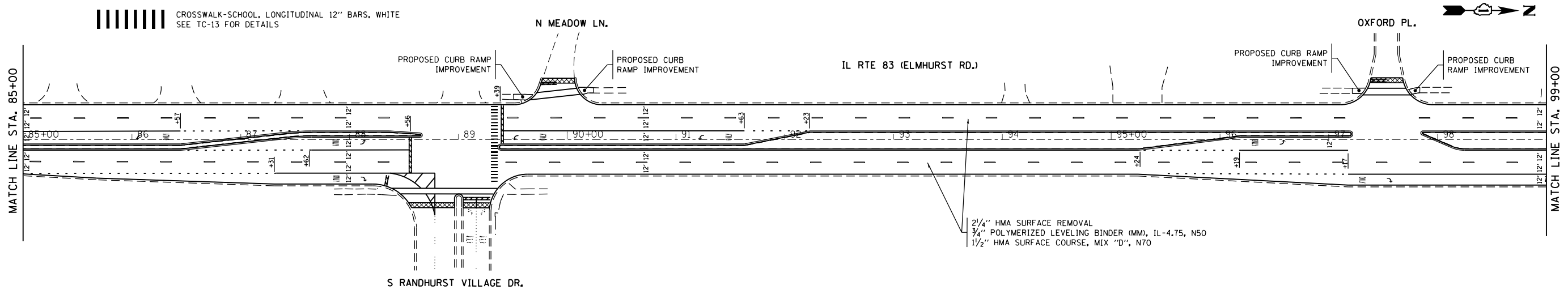
- DOUBLE YELLOW ϕ . 4" @ 11" C-C
- STOP BAR, 24" WHITE
- CROSSWALK-PEDESTRIAN, 6" WHITE @ 6' C-C
- 10' DASH - 30' SKIP, 4" WHITE
- 2' DASH - 6' SKIP, 6" WHITE
- SOLID LANE LINE, 6" WHITE
- MEDIAN EDGE LINE, 4" YELLOW
- DOUBLE YELLOW MEDIAN, 4" @ 11" C-C WITH 12" DIAGONALS @ 45°. SEE TC-13 FOR SPACING
- ONLY FULL SIZE LETTERS AND SYMBOLS, WHITE SEE TC-13 FOR DETAILS
- CROSSWALK-SCHOOL, LONGITUDINAL 12" BARS, WHITE SEE TC-13 FOR DETAILS

NOTES:

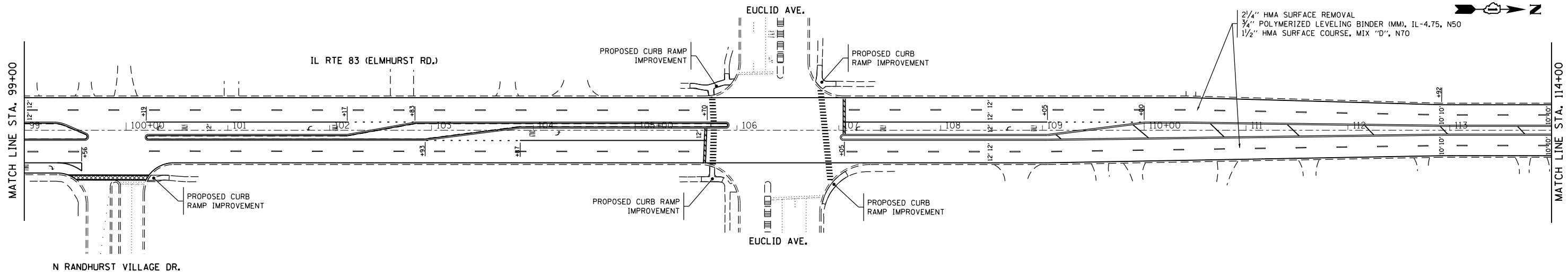
- 1) LIMIT OF RESURFACING ON THE SIDE-STREETS THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER / TECHNICIAN.
- 2) ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKINGS (OF THE EXTRUDED TYPE).
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-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

ROADWAY LEGEND

- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT



FILE NAME =	USER NAME = DEVINEAM	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\ill084EBIDINTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\DI427\BRM\Bata\Design\DI42716-sht-plan.dgn		REVISOR -	REVISOR -		IL RTE 83 (ELMHURST RD) - US RTE 14 TO 0.1-MI S OF PALATINE RD				344	(97B&3192RS-2	COOK	54	12
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	PLOT DATE = 4/18/2017	DATE -	REVISOR -		ILLINOIS FED. AID PROJECT								



PROPOSED PAVEMENT MARKING LEGEND:

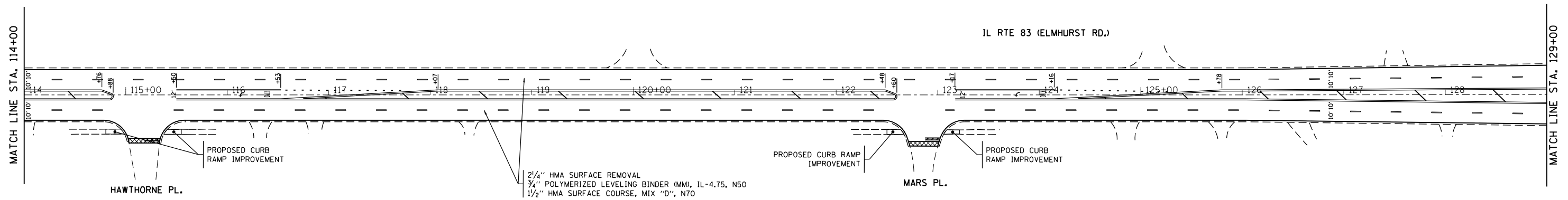
- DOUBLE YELLOW C. 4" @ 11" C-C
- STOP BAR, 24" WHITE
- CROSSWALK-PEDESTRIAN, 6" WHITE @ 6' C-C
- 10' DASH - 30' SKIP, 4" WHITE
- 2' DASH - 6' SKIP, 6" WHITE
- SOLID LANE LINE, 6" WHITE
- MEDIAN EDGE LINE, 4" YELLOW
- DOUBLE YELLOW MEDIAN, 4" @ 11" C-C WITH 12" DIAGONALS @ 45°, SEE TC-13 FOR SPACING
- FULL SIZE LETTERS AND SYMBOLS, WHITE SEE TC-13 FOR DETAILS

ROADWAY LEGEND

- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT

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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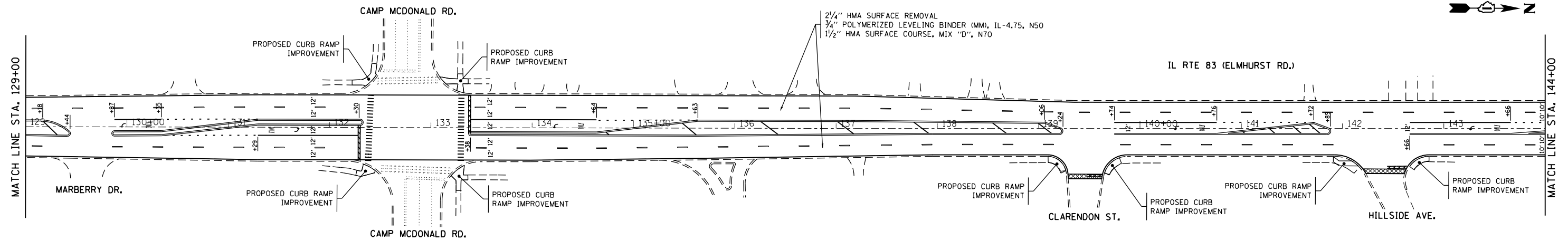


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		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROADWAY PLAN			
IL RTE 83 (ELMHURST RD) - US RTE 14 TO 0.1-MI S OF PALATINE RD			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(97B&3192)RS-2	COOK	54	13
CONTRACT NO. 62D09				
ILLINOIS FED. AID PROJECT				



PROPOSED PAVEMENT MARKING LEGEND:

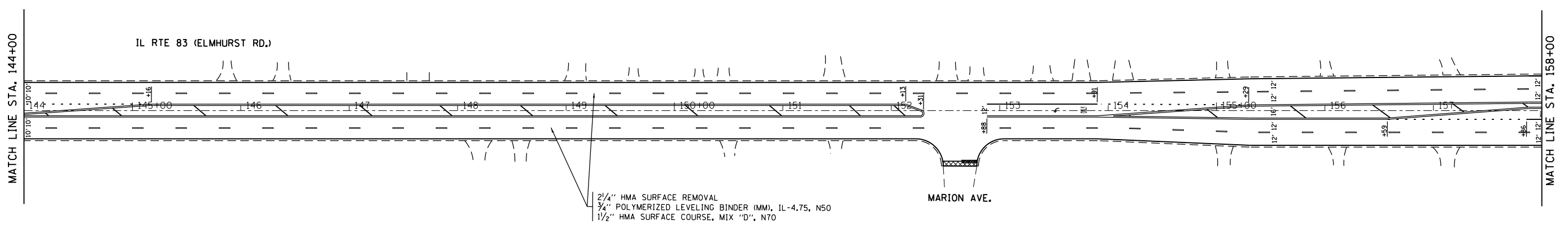
- DOUBLE YELLOW C, 4" @ 11" C-C
- STOP BAR, 24" WHITE
- CROSSWALK-PEDESTRIAN, 6" WHITE @ 6' C-C
- 10' DASH - 30' SKIP, 4" WHITE
- 2' DASH - 6' SKIP, 6" WHITE
- SOLID LANE LINE, 6" WHITE
- MEDIAN EDGE LINE, 4" YELLOW
- DOUBLE YELLOW MEDIAN, 4" @ 11" C-C WITH 12" DIAGONALS @ 45°, SEE TC-13 FOR SPACING
- FULL SIZE LETTERS AND SYMBOLS, WHITE SEE TC-13 FOR DETAILS
- CROSSWALK-SCHOOL, LONGITUDINAL 12" BARS, WHITE SEE TC-13 FOR DETAILS

NOTES:

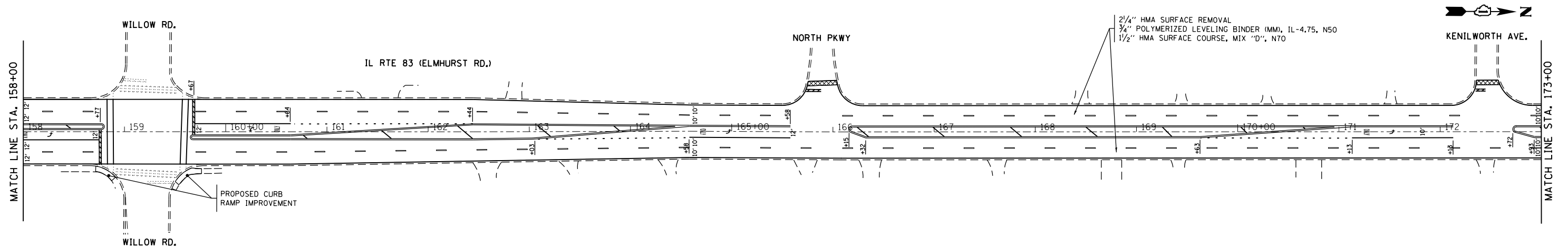
- 1) LIMIT OF RESURFACING ON THE SIDE-STREETS THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER / TECHNICIAN.
- 2) ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKINGS (OF THE EXTRUDED TYPE).
- 3) ALL FINAL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH TC-13 "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" STANDARD DETAIL.
- 4) ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH TC-11 "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" STANDARD DETAIL.

ROADWAY LEGEND

- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT



FILE NAME : pww\IL084EBIDINTEG\Illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DI427\BROWData\Design\DI42716-sht-plan.dgn	USER NAME : devineam	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000' / 1" =	CHECKED -	REVISED -		IL RTE 83 (ELMHURST RD) - US RTE 14 TO 0.1-MI S OF PALATINE RD				344	(97B&3192RS-2)	COOK	54	14
Default	PLOT DATE = 3/24/2017	DATE -	REVISED -	SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT CONTRACT NO. 62D09		



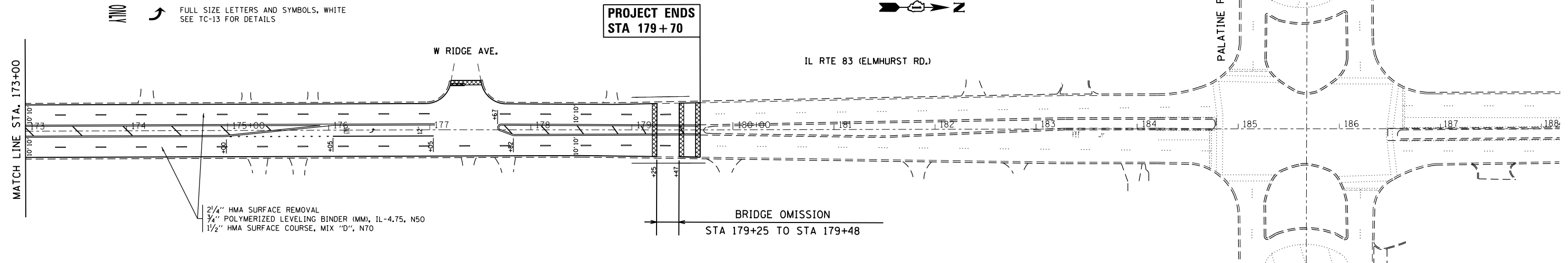
PROPOSED PAVEMENT MARKING LEGEND:

- DOUBLE YELLOW C, 4" @ 11" C-C
- STOP BAR, 24" WHITE
- CROSSWALK-PEDESTRIAN, 6" WHITE @ 6' C-C
- 10' DASH - 30' SKIP, 4" WHITE
- 2' DASH - 6' SKIP, 6" WHITE
- SOLID LANE LINE, 6" WHITE
- MEDIAN EDGE LINE, 4" YELLOW
- DOUBLE YELLOW MEDIAN, 4" @ 11" C-C WITH 12" DIAGONALS @ 45°, SEE TC-13 FOR SPACING
- FULL SIZE LETTERS AND SYMBOLS, WHITE SEE TC-13 FOR DETAILS

- 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.
 - 2) ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKINGS (OF THE EXTRUDED TYPE).
 - 3) ALL FINAL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH TC-13 "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" STANDARD DETAIL.
 - 4) ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH TC-11 "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" STANDARD DETAIL.

ROADWAY LEGEND

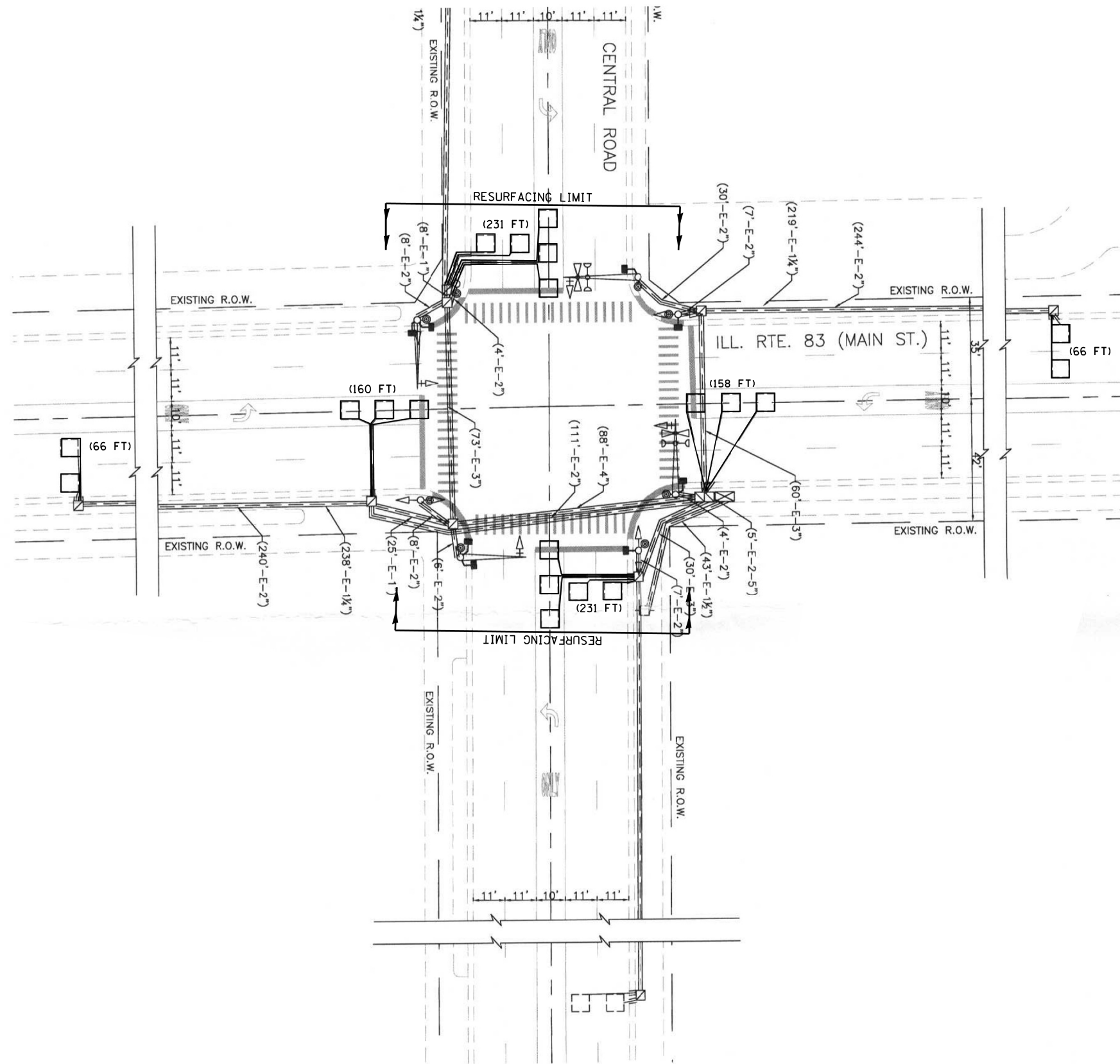
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT



FILE NAME :	USER NAME : devineam	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN IL RTE 83 (ELMHURST RD) - US RTE 14 TO 0.1-MI S OF PALATINE RD	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
						344	(97B&3192RS-2	COOK	54	15	
						CONTRACT NO. 62D09					
						ILLINOIS FED. AID PROJECT					
	PLOT SCALE = 100.0000' / 1" =	CHECKED -	REVISED -	SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	
	PLOT DATE = 3/24/2017	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	912	FOOT

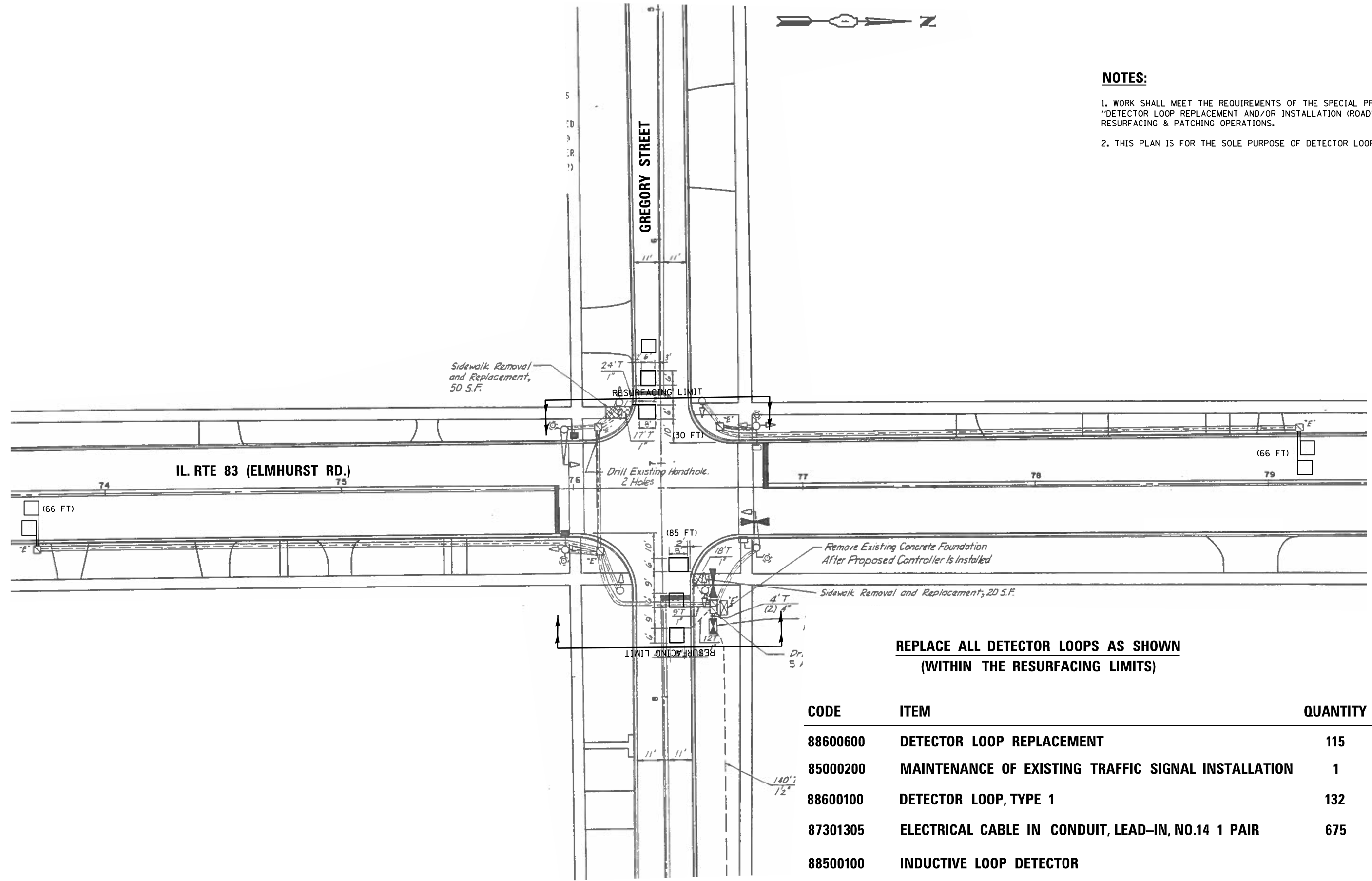


FILE NAME =	USER NAME = nguyensm	DESIGNED - SN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN IL RTE 83 (ELMHURST RD) AT CENTRAL ROAD	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
S:\WP\Design\SN_B of Design - Detector	Loops Replacement - Resurfacing project - 2016	DRAWN - SN	REVISED -			344	97B&3192-RS-2	COOK	54	16	
Default	PLOT SCALE = 40,0000' / in.	CHECKED - SN	REVISED -			CONTRACT NO. 62D09					
	PLOT DATE = 11/7/2016	DATE - 11/03/2016	REVISED -			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)**

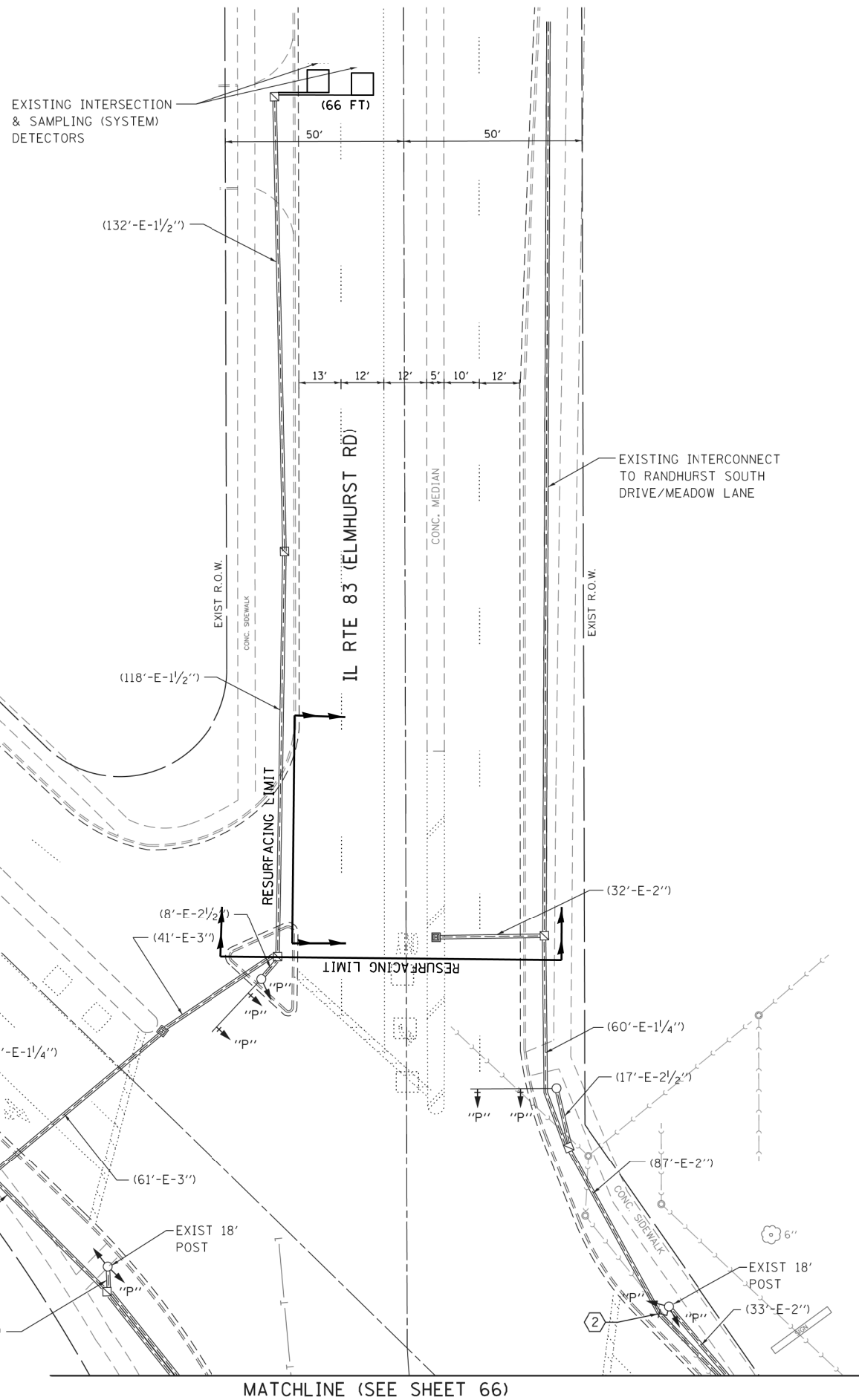
CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	115	FOOT
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	1	EACH
88600100	DETECTOR LOOP, TYPE 1	132	FOOT
87301305	ELECTRICAL CABLE IN CONDUIT, LEAD-IN, NO.14 1 PAIR	675	FOOT
88500100	INDUCTIVE LOOP DETECTOR		EACH

FILE NAME =	USER NAME = nguyensm	DESIGNED - SN	REVISED -
S:\WP\Design\SN\B. of Design - Detector	Loops Replacement - Resurfacing project -	DRAWN - ADA	REVISED IL-83 Elmhurst Rd @ Gregory St
Default	PLOT SCALE = 40.0000' / in.	CHECKED - SN	REVISED -
	PLOT DATE = 1/10/2017	DATE - 11/03/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETECTOR LOOP REPLACEMENT PLAN			
IL RTE 83 (ELMHURST RD) AT GREGORY STREET			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	97B&3192-RS-2	COOK	54	17
CONTRACT NO. 62D09				
ILLINOIS FED. AID PROJECT				

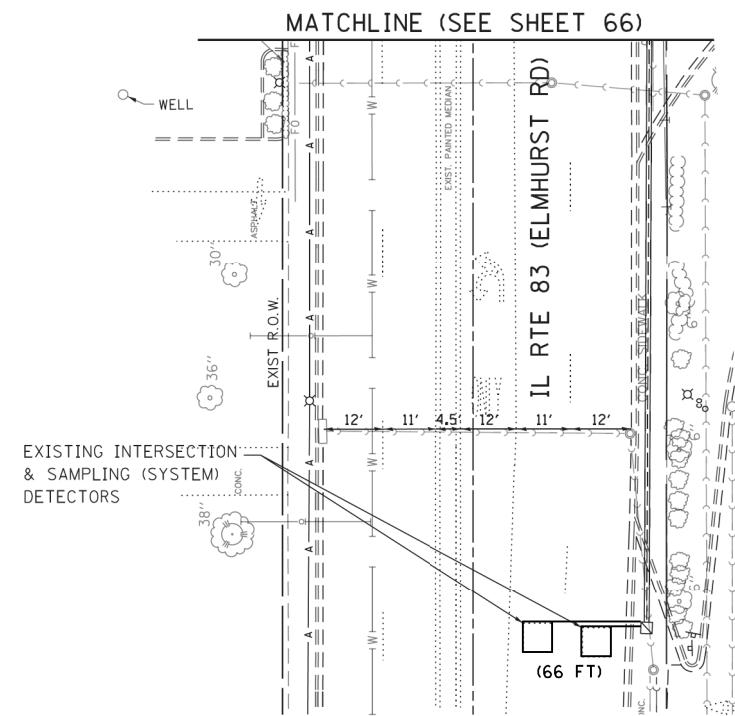


NOTES:

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.

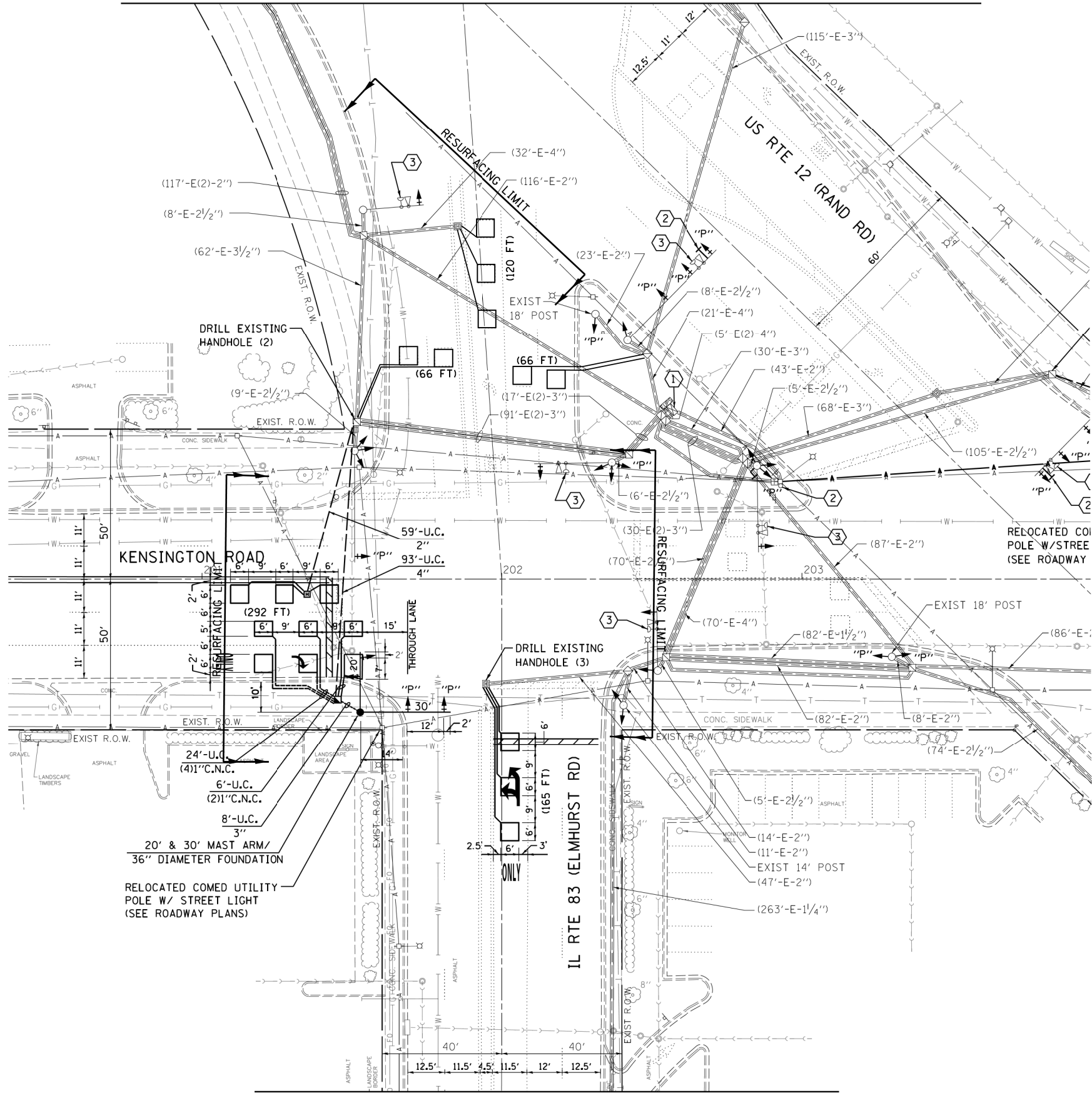
**REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)**

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	132	FOOT



FILE NAME =	USER NAME = nguyensm	DESIGNED - SN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN (2 OF 2) IL RTE 83 (ELMHURST RD) AT KENSINGTON RD. AT US RTE 12 (RAND RD)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Sn\WP\Design\SN\B. of Design - Detector	Sn\WP\Design\SN\B. of Design - Detector	DRAWN - SN	REVISED -			344	97B&3192-RS-2	COOK	54	18	
Default	Default	CHECKED - SN	REVISED -			CONTRACT NO. 62D09					
Default	Default	DATE - 11/03/2016	REVISED -			ILLINOIS FED. AID PROJECT					

MATCHLINE (SEE SHEET 67)



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.

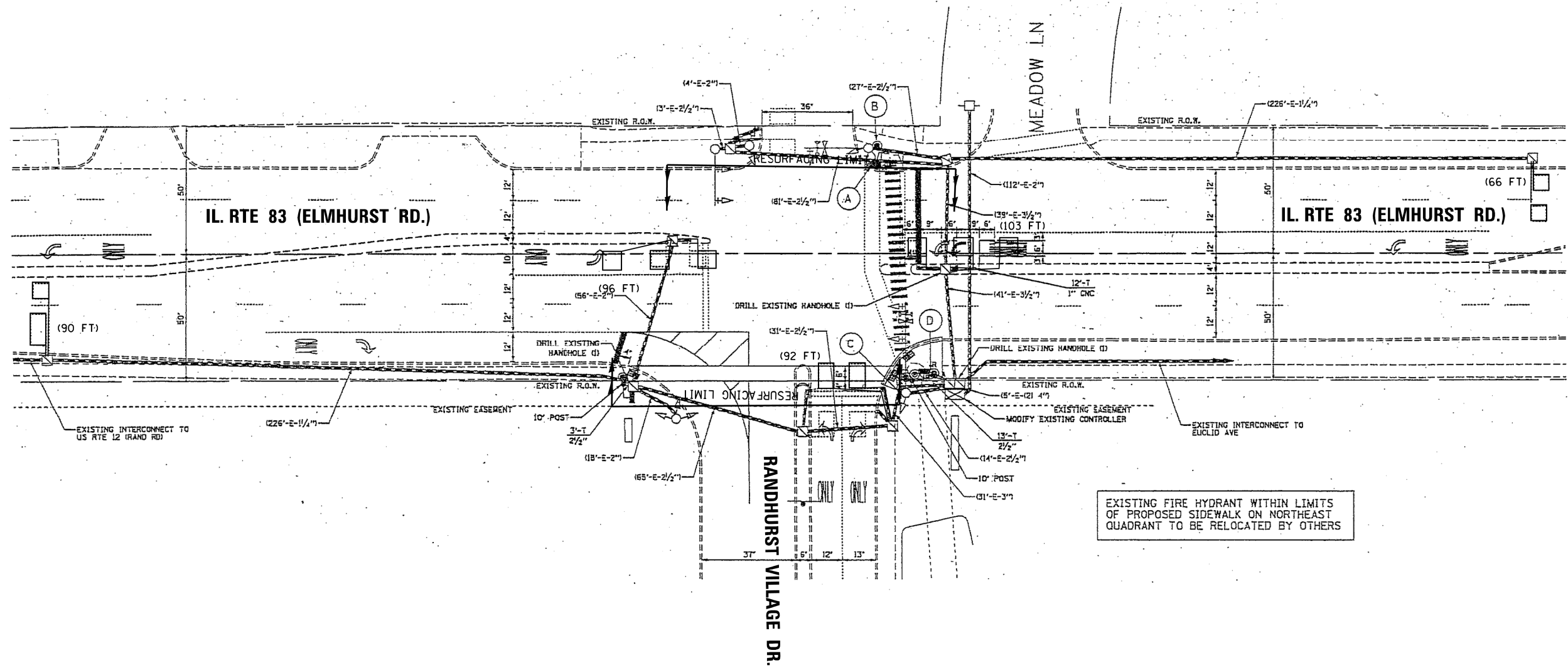
**REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)**

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	709	FOOT

FILE NAME =	USER NAME = nguyenam	DESIGNED - SN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN (1 OF 2) IL RTE 83 (ELMHURST RD) AT KENSINGTON RD. AT US RTE 12 (RAND RD)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Sn\WP\Design\SN\B. of Design - Detector	Loops Replacement - Resurfacing project -	DRAWN - SN	REVISED -			344	97B&3192-RS-2	COOK	54	19	
Default	PLOT SCALE = 40.0000' / in.	CHECKED - SN	REVISED -			CONTRACT NO. 62D09					
	PLOT DATE = 11/16/2016	DATE - 11/03/2016	REVISED -			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.

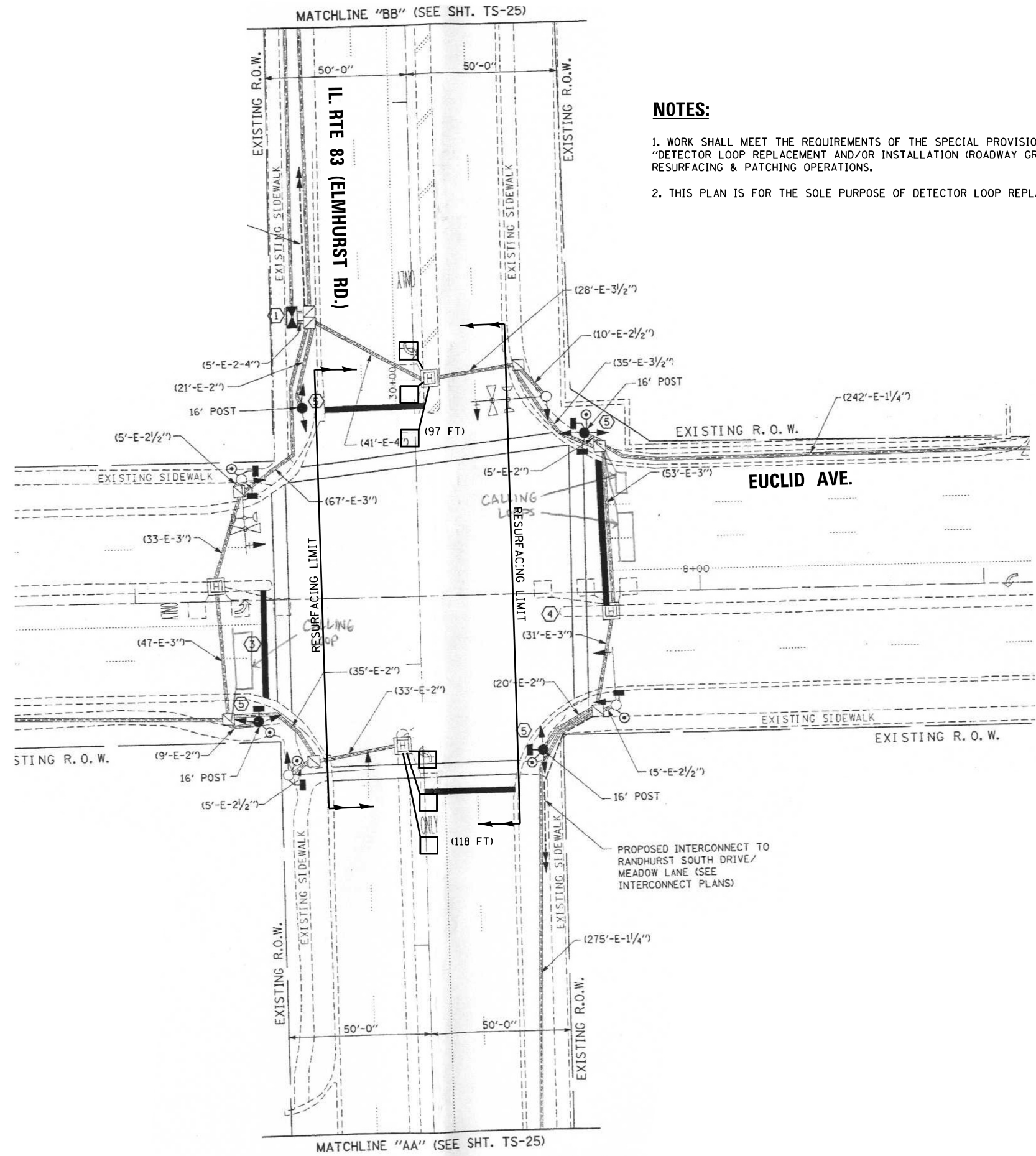


EXISTING FIRE HYDRANT WITHIN LIMITS OF PROPOSED SIDEWALK ON NORTHEAST QUADRANT TO BE RELOCATED BY OTHERS

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

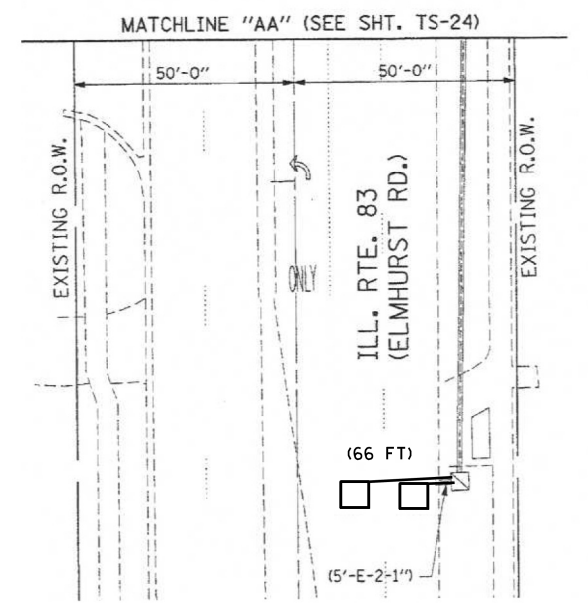
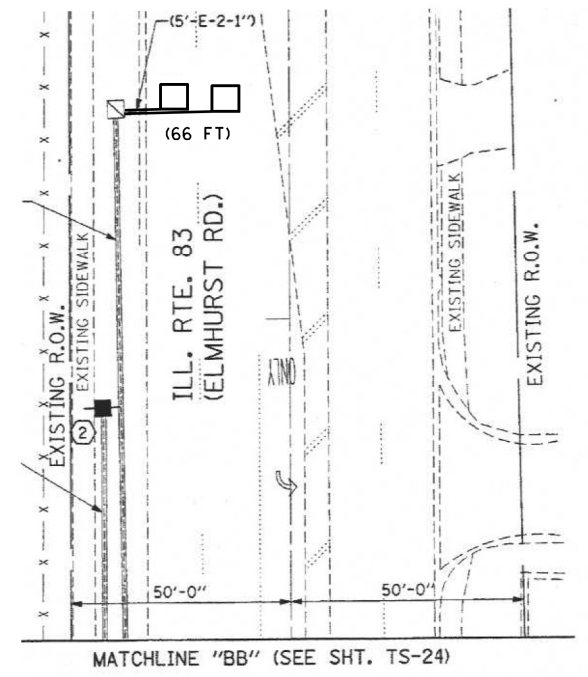
CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	447	FOOT

FILE NAME =	USER NAME = nguyensm	DESIGNED - SN	REVISED - 01/10/2017 SN	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN IL RTE 83 (ELMHURST RD) AT RANDHURST VILLAGE DR.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
S:\WP\Design\SN\B. of Design - Detector	Loops Replacement - Resurfacing project - S	DRAWN - ADA	REVISED IL-83 Elmhurst Rd @ Randhurst Shopping Center.dgn			344	97B&3192-RS-2	COOK	54	20	
Default	PLOT SCALE = 40.0000' / in.	CHECKED - SN	REVISED -			CONTRACT NO. 62D09					
	PLOT DATE = 1/10/2017	DATE - 11/03/2016	REVISED -			SCALE:	SHEET	OF	SHEETS	STA.	TO



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.



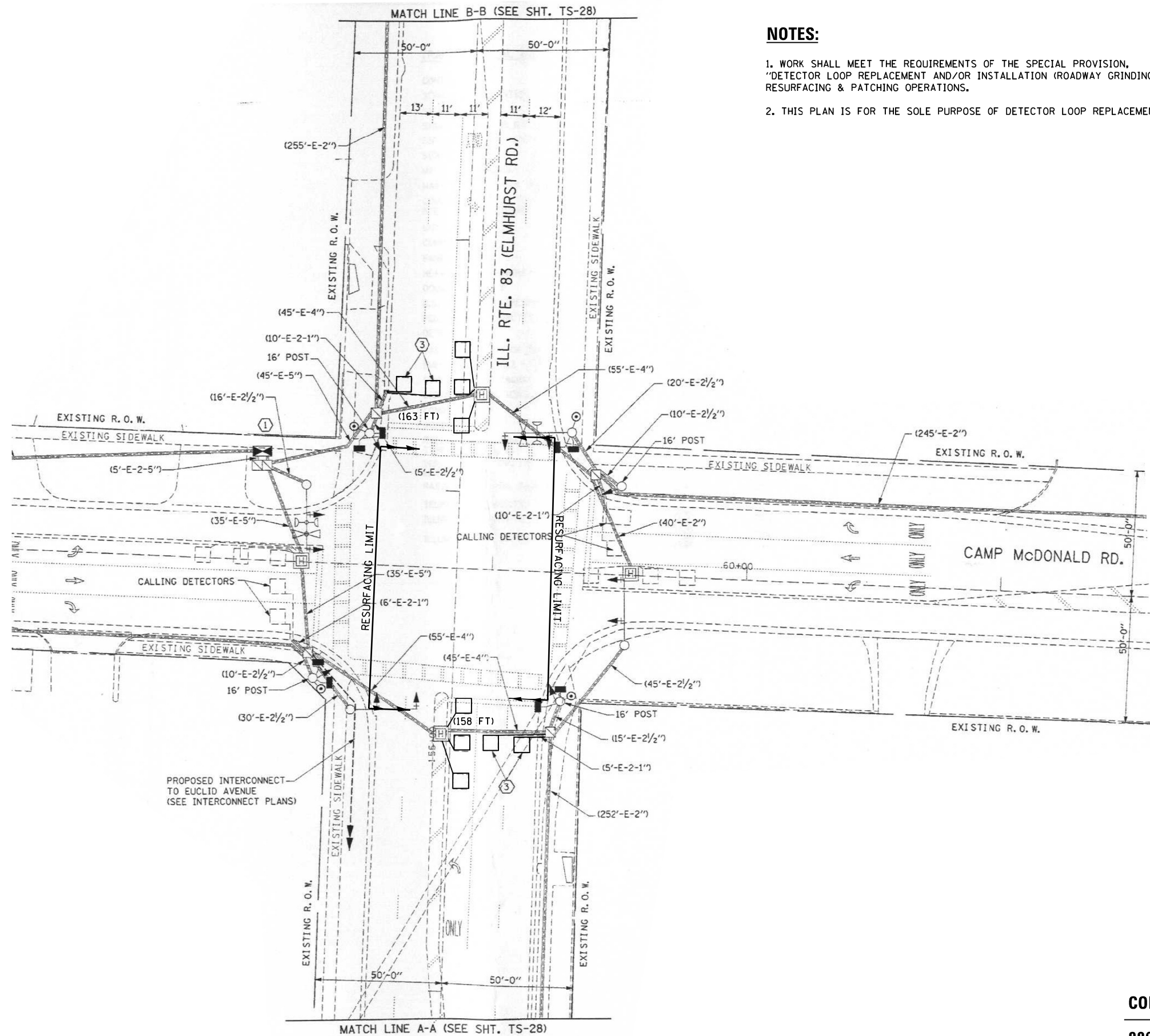
CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	347	FOOT

FILE NAME =	USER NAME = nguyensm	DESIGNED - SN	REVISED -
S:\WP\Design\SN\B of Design - Detector	Loops Replacement - Resurfacing project -	DRAWN - ADA	REVISED - IL-83 Elmhurst Rd @ Euclid Aveldgn
Default	PLOT SCALE = 40.0000' / in.	CHECKED - SN	REVISED -
	PLOT DATE = 1/10/2017	DATE - 11/03/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

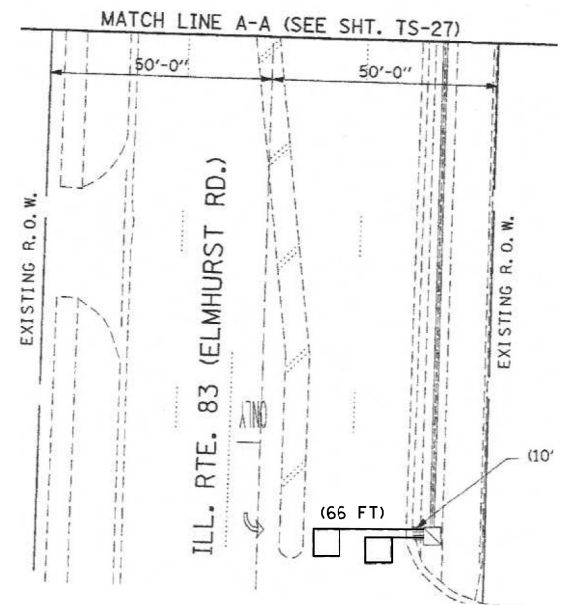
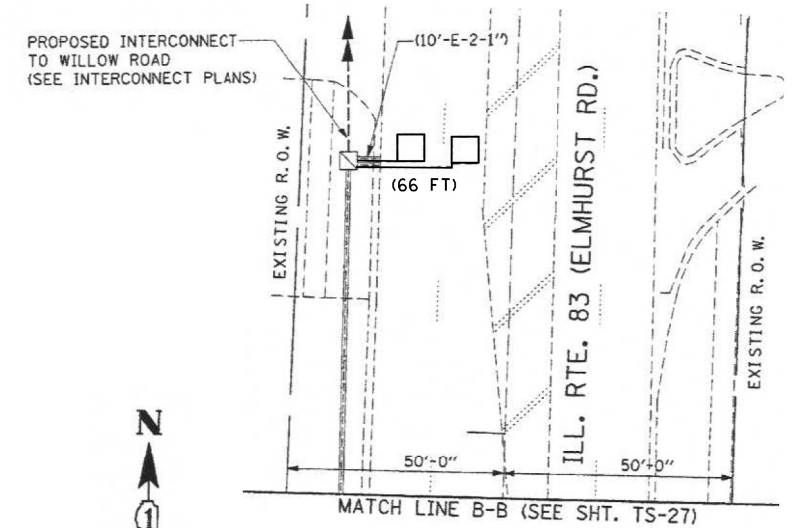
DETECTOR LOOP REPLACEMENT PLAN			
IL RTE 83 (ELMHURST RD) AT EUCLID AVENUE			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	97B&3192-RS-2	COOK	54	21
CONTRACT NO. 62D09				
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)**

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	453	FOOT

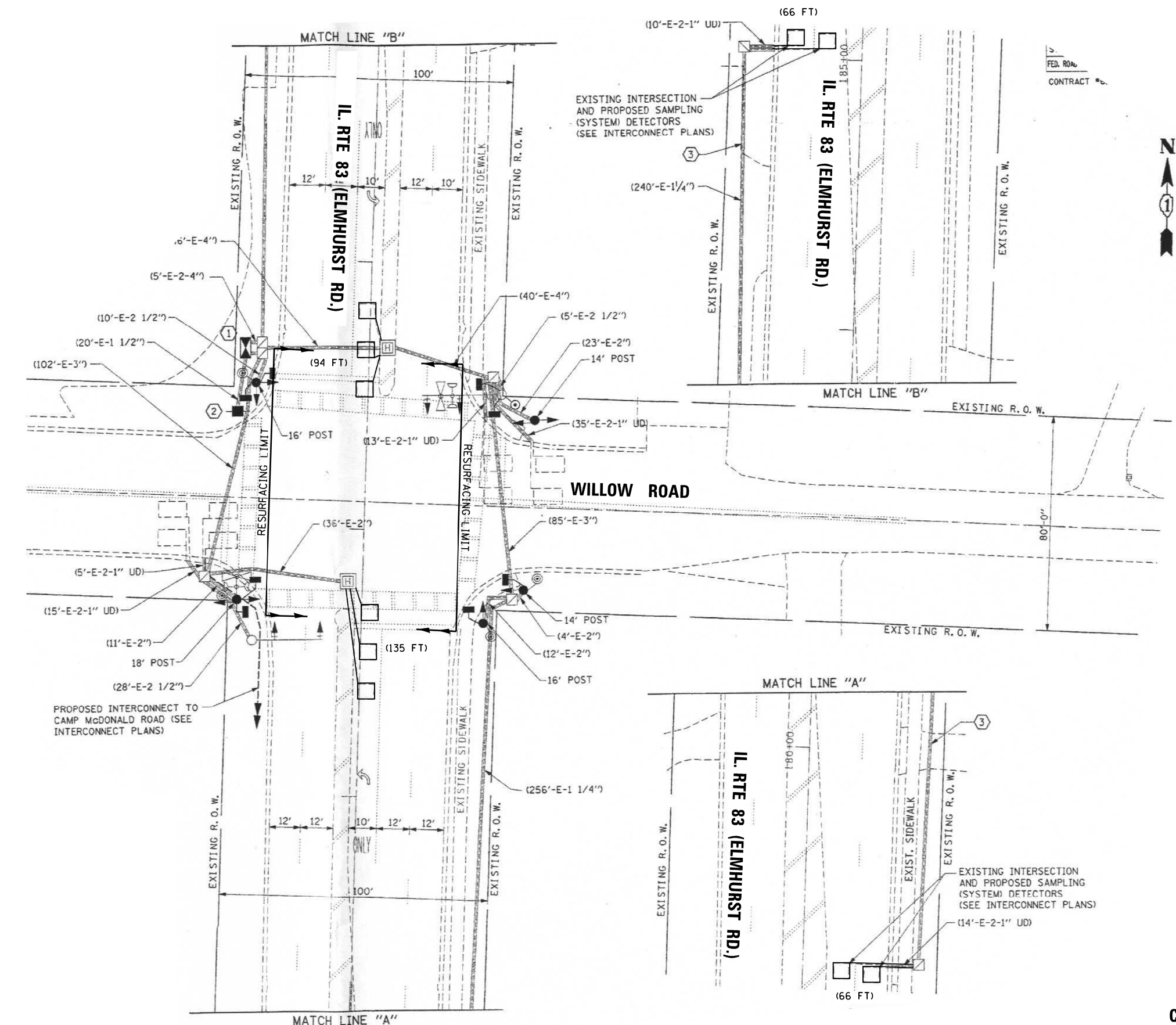
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S:\WP\Design\SN\B. of Design - Detector	Loops Replacement - Resurfacing project -	DRAWN - SN	REVISED -
Default	PLOT SCALE = 40.0000' / in.	CHECKED - SN	REVISED -
	PLOT DATE = 11/14/2016	DATE - 11/03/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
IL RTE 83 (ELMHURST RD) AT CAMP McDONALD ROAD**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	97B&3192-RS-2	COOK	54	22
CONTRACT NO. 62D09				
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)**

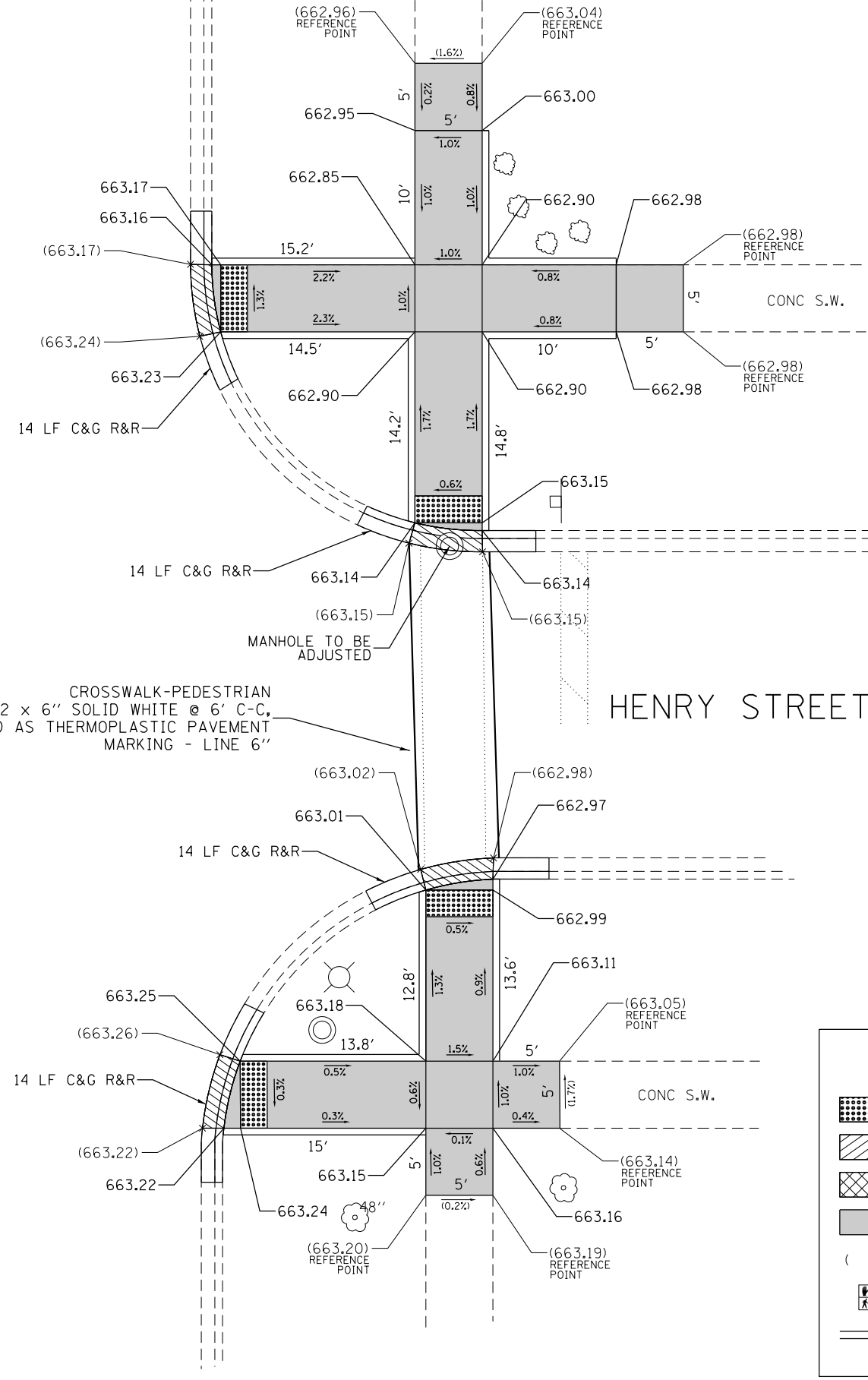
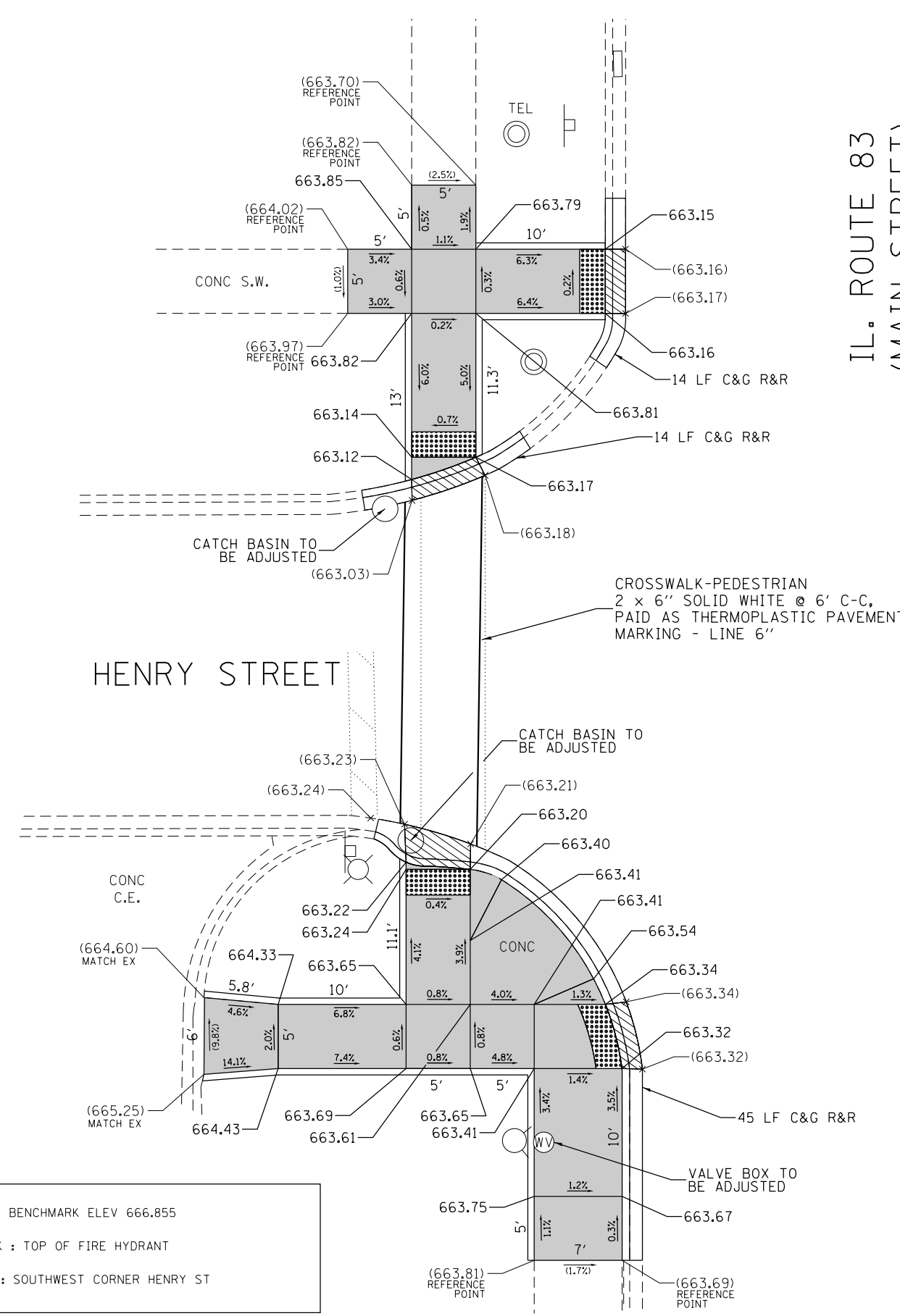
CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	361	FOOT

FILE NAME =	USER NAME = nguyenam	DESIGNED - SN	REVISED -
S:\WP\Design\SN\B. of Design - Detector	Loops Replacement - Resurfacing project -	DRAWN - ADA\JCSN\2015\62009\CADD	REVISED IL-83 Elmhurst Rd @ Willow Rd
Default	PLOT SCALE = 40.0000' / in.	CHECKED - SN	REVISED -
	PLOT DATE = 1/10/2017	DATE - 11/03/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

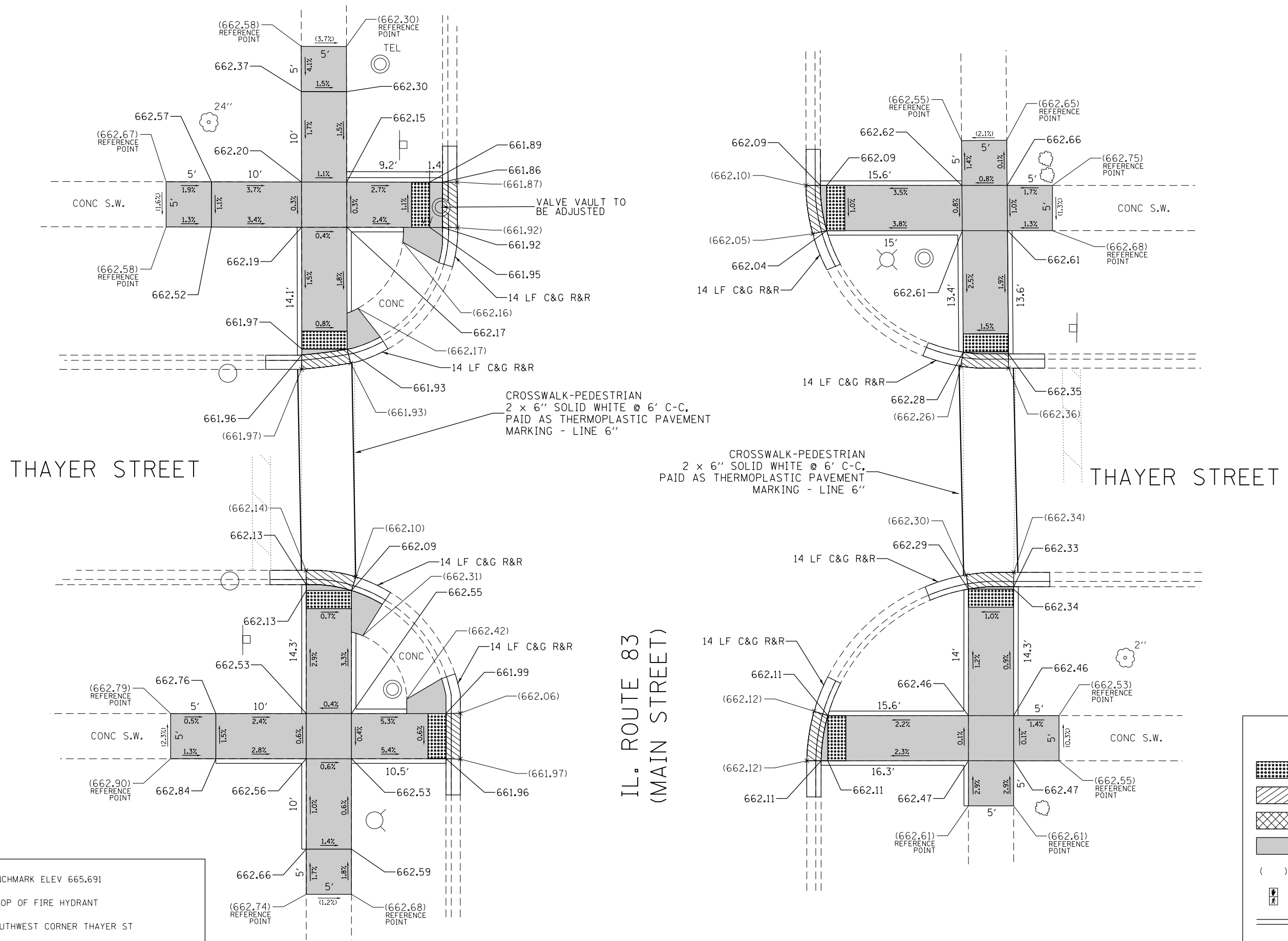
DETECTOR LOOP REPLACEMENT PLAN			
IL RTE 83 (ELMHURST RD) AT WILLOW ROAD			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	97B&3192-R5-2	COOK	54	23
CONTRACT NO. 62009				
ILLINOIS FED. AID PROJECT				



LEGEND	
	DETECTABLE WARNING
	DEPRESSED CURB & GUTTER
	SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD
	PROPOSED SIDEWALK
()	EXISTING ELEVATION/SLOPE
	LOCATION OF PEDESTRIAN PUSH-BUTTON
	PROPOSED SIDE CURB

REFERENCE BENCHMARK ELEV 666.855
 BENCHMARK : TOP OF FIRE HYDRANT
 LOCATION : SOUTHWEST CORNER HENRY ST



REFERENCE BENCHMARK ELEV 665.691
 BENCHMARK : TOP OF FIRE HYDRANT
 LOCATION : SOUTHWEST CORNER THAYER ST

LEGEND					
	DETECTABLE WARNING		DEPRESSED CURB & GUTTER		SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD
	PROPOSED SIDEWALK		EXISTING ELEVATION/SLOPE		LOCATION OF PEDESTRIAN PUSH-BUTTON
	PROPOSED SIDE CURB				

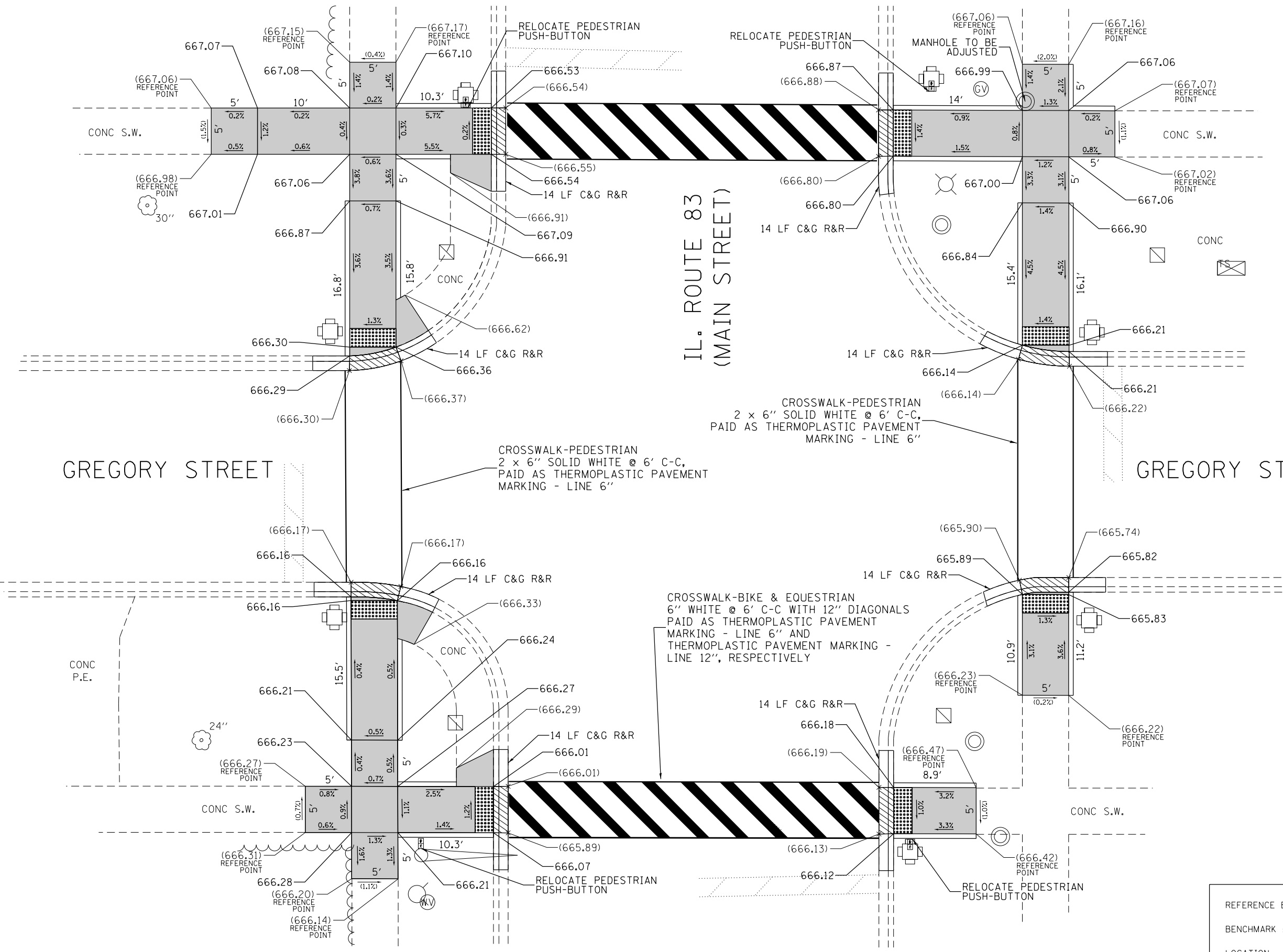
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Default	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -
	PLOT DATE = 4/18/2017	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PEDESTRIAN RAMP DETAIL
 IL 83 AT THAYER STREET**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(97B&3192)RS-2	COOK	54	26
CONTRACT NO. 62D09				
ILLINOIS FED. AID PROJECT				



LEGEND

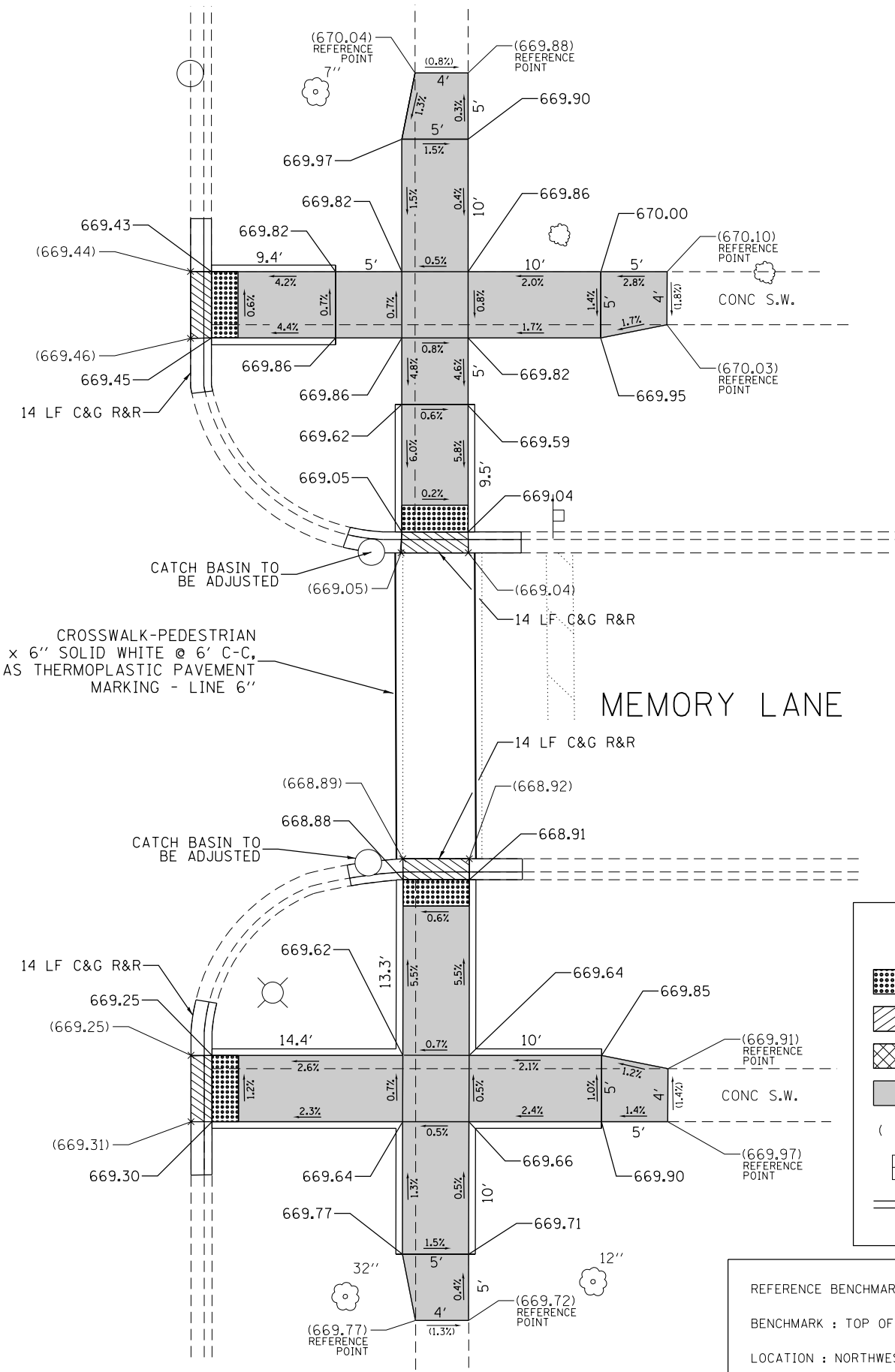
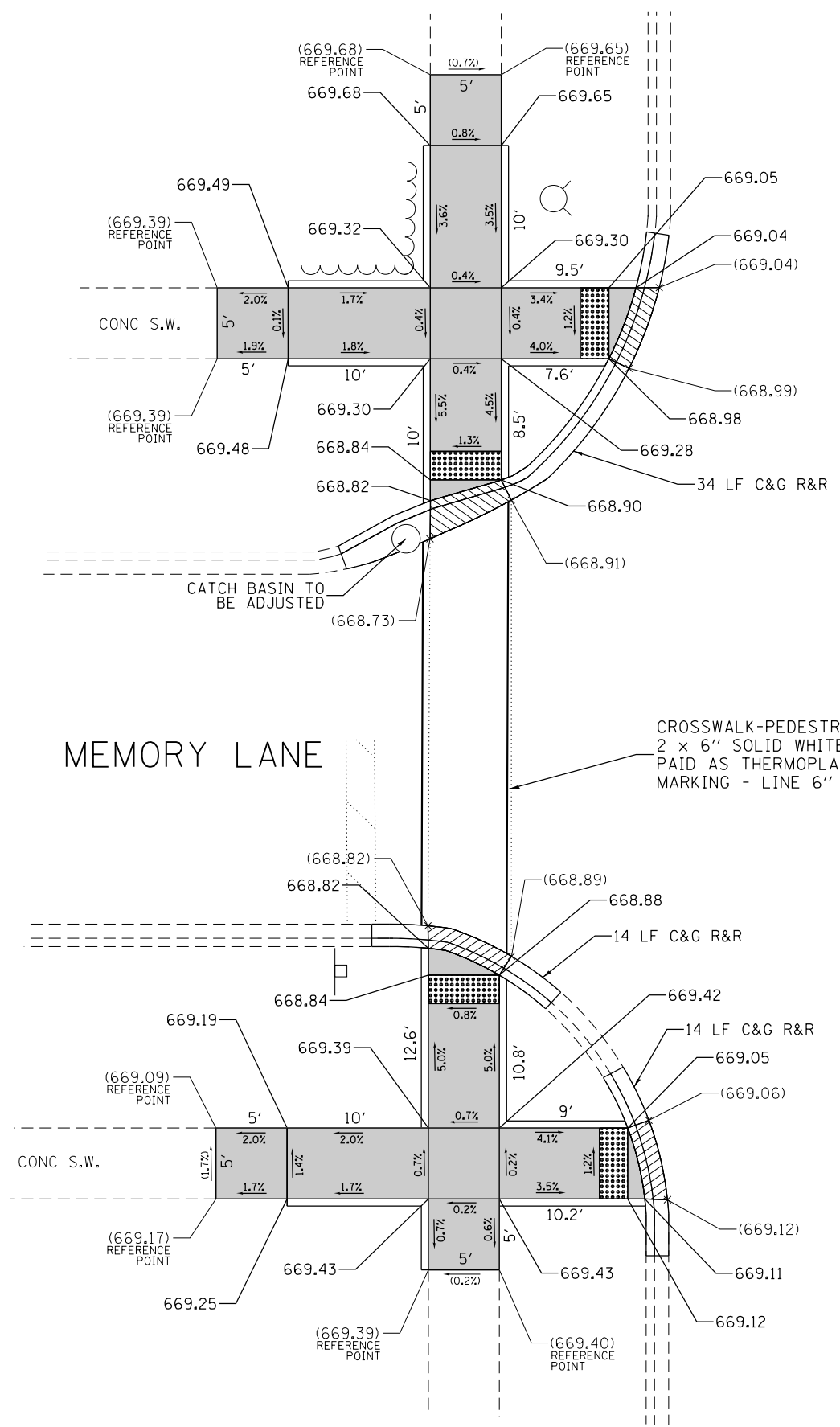
- DETECTABLE WARNING
- DEPRESSED CURB & GUTTER
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD
- PROPOSED SIDEWALK
- () EXISTING ELEVATION/SLOPE
- LOCATION OF PEDESTRIAN PUSH-BUTTON
- PROPOSED SIDE CURB

REFERENCE BENCHMARK ELEV 667.149
 BENCHMARK : NORTHWEST CORNER TCB
 LOCATION : NORTHEAST CORNER GREGORY ST

FILE NAME =	USER NAME = DEVINEAM	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PEDESTRIAN RAMP DETAIL IL 83 AT GREGORY STREET	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
Default		REVISOR -	REVISOR -			344	(97B&3192)RS-2	COOK	54	27		
		CHECKED -	REVISOR -			CONTRACT NO. 62D09						
		DATE -	REVISOR -			ILLINOIS FED. AID PROJECT						
						SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.



IL. ROUTE 83
(MAIN STREET)



LEGEND

- DETECTABLE WARNING
- DEPRESSED CURB & GUTTER
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD
- PROPOSED SIDEWALK
- () EXISTING ELEVATION/SLOPE
- LOCATION OF PEDESTRIAN PUSH-BUTTON
- PROPOSED SIDE CURB

REFERENCE BENCHMARK ELEV 671.854
 BENCHMARK : TOP OF FIRE HYDRANT
 LOCATION : NORTHWEST CORNER MEMORY LN

FILE NAME =	USER NAME = DEVINEAM	DESIGNED -	REVISED -
p:\1\084EBID\INTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\DI42716\Design\DI42716-shd-details.dgn		REVISED -	REVISED -
Default	PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -
	PLOT DATE = 4/18/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PEDESTRIAN RAMP DETAIL
IL 83 AT MEMORY LANE

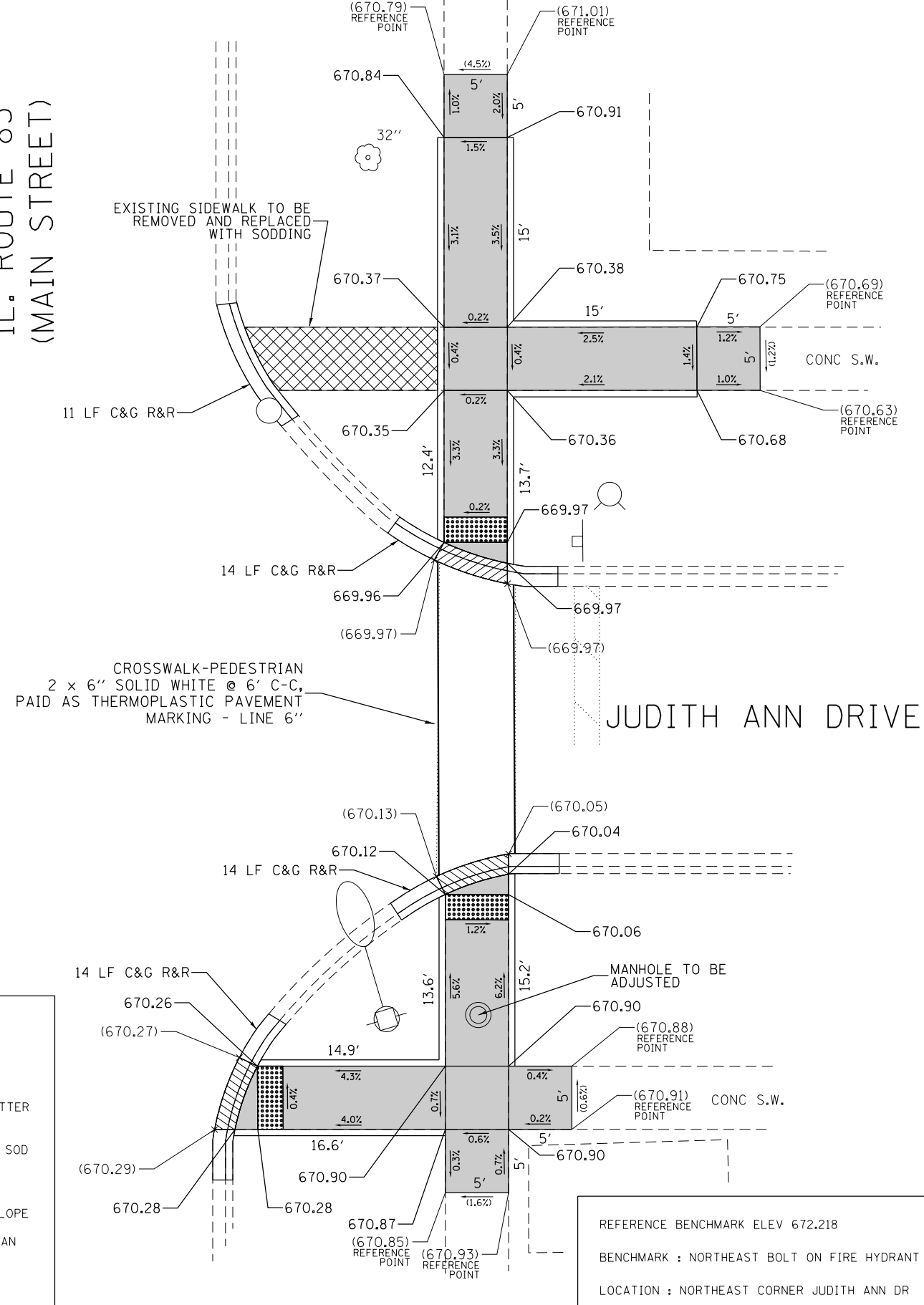
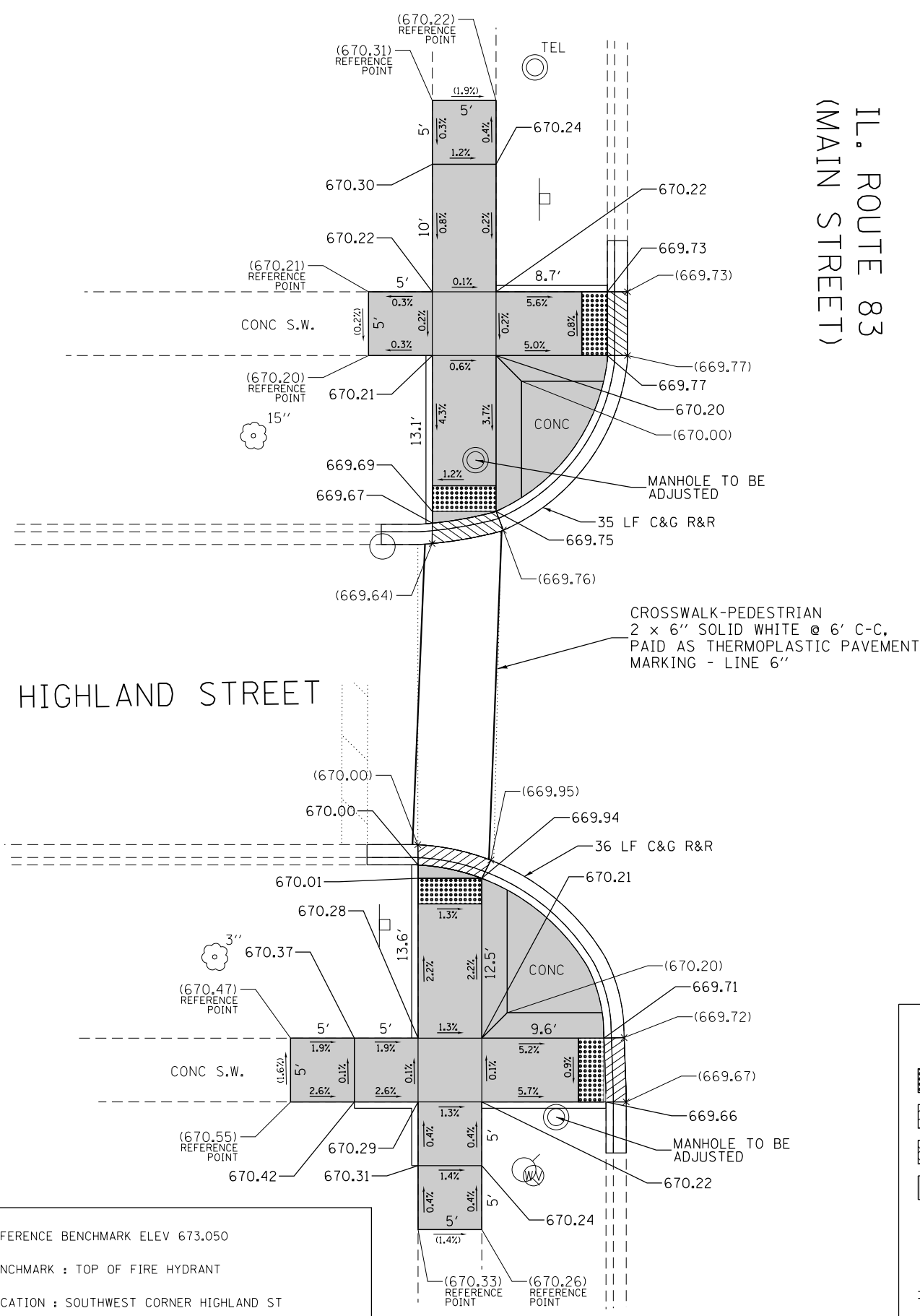
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(97B&3192)RS-2	COOK	54	28
CONTRACT NO. 62D09				
ILLINOIS FED. AID PROJECT				



IL. ROUTE 83
(MAIN STREET)

IL. ROUTE 83
(MAIN STREET)



LEGEND

- DETECTABLE WARNING
- DEPRESSED CURB & GUTTER
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD
- PROPOSED SIDEWALK
- () EXISTING ELEVATION/SLOPE
- LOCATION OF PEDESTRIAN PUSH-BUTTON
- PROPOSED SIDE CURB

FILE NAME =	USER NAME = DEVINEAM	DESIGNED -	REVISED -
pw\1\084EBIDINTEG Illinois.gov\PIDOT\Documents\DOT Offices\District 1\Projects\01427\Drawings\Design\0142716-sh1-details.dgn		REVISIONS -	
PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISIONS -	
Default	DATE -	REVISIONS -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

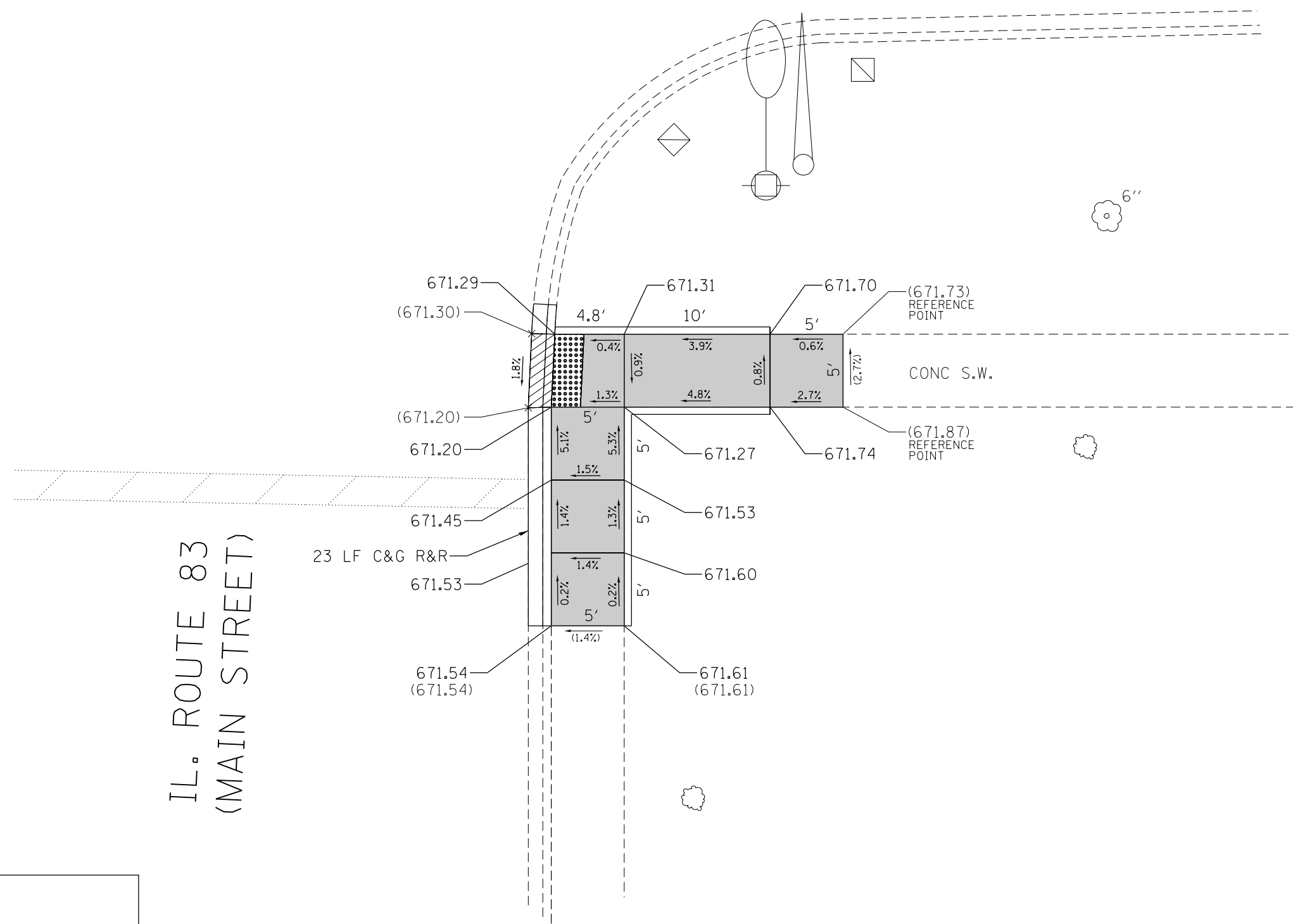
PEDESTRIAN RAMP DETAIL
IL 83 AT HIGHLAND STREET / IL 83 AT JUDITH ANN DRIVE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(97B&3192)RS-2	COOK	54	29
CONTRACT NO. 62D09				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.



KENSINGTON ROAD



IL. ROUTE 83
(MAIN STREET)

23 LF C&G R&R

CONC S.W.

REFERENCE BENCHMARK ELEV 672.864
BENCHMARK : SQUARE ON SE CORNER TCB
LOCATION : PCC ISLAND (NE CORNER KENSINGTON & IL 83)

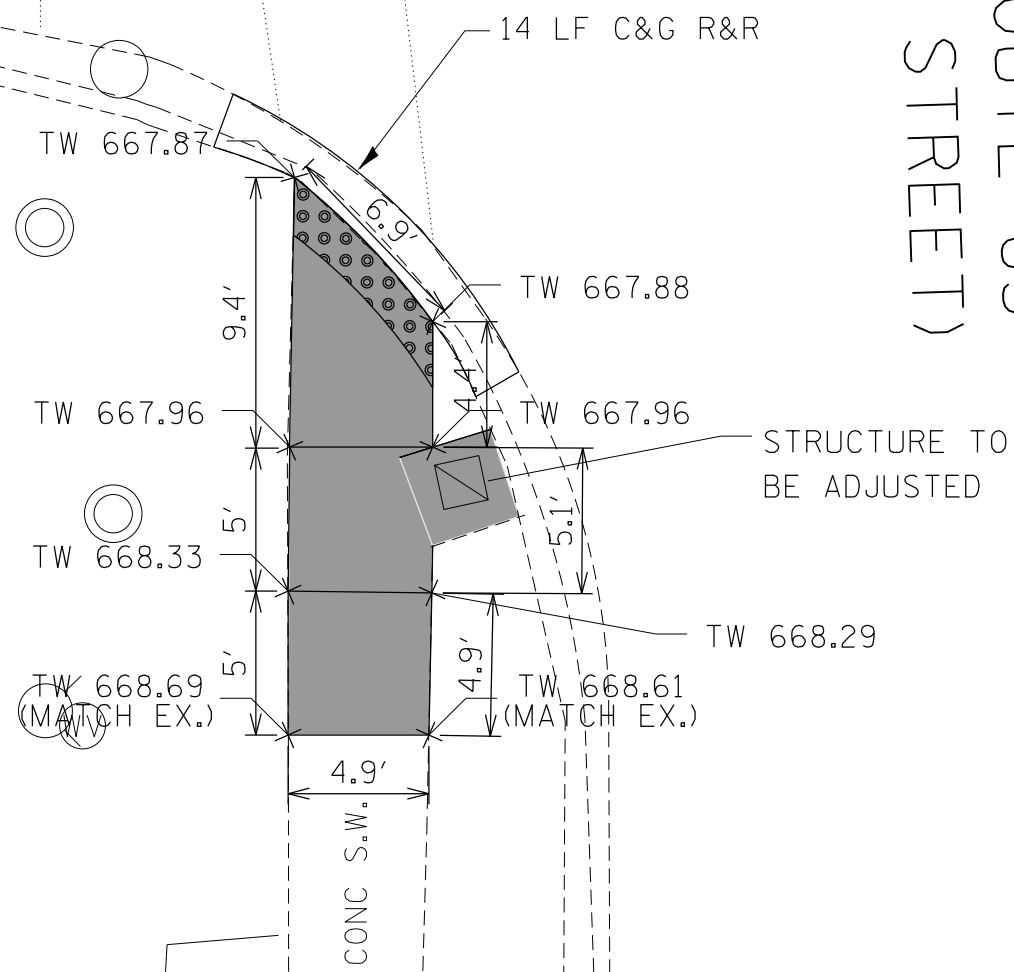
LEGEND	
	DETECTABLE WARNING
	DEPRESSED CURB & GUTTER
	SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD
	PROPOSED SIDEWALK
()	EXISTING ELEVATION/SLOPE
	LOCATION OF PEDESTRIAN PUSH-BUTTON
	PROPOSED SIDE CURB

FILE NAME =	USER NAME = DEVINEAM	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PEDESTRIAN RAMP DETAIL IL 83 AT KENSINGTON ROAD	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\142716\Drawings\Design\142716-sht-details.dgn		CHECKED -	REVISED -			344	(97B&3192RS-2)	COOK	54	30
Default	PLOT SCALE = 100.0000' / 1in.	DATE -	REVISED -			CONTRACT NO. 62D09				
	PLOT DATE = 4/18/2017					ILLINOIS FED. AID PROJECT				
						SCALE:	SHEET	OF	SHEETS	STA. TO STA.



MEADOWS LANE

IL. ROUTE 83
(MAIN STREET)



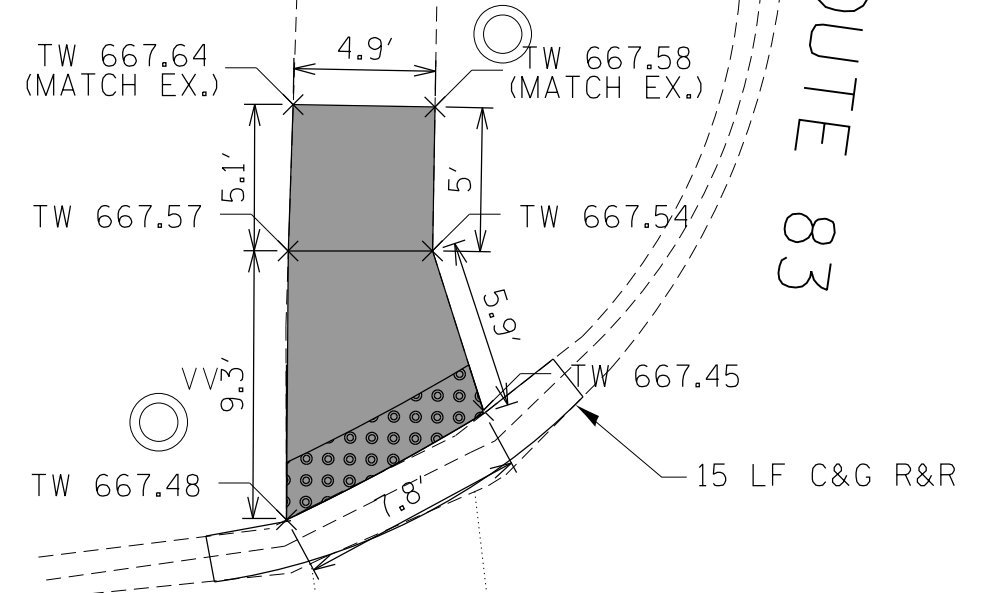
LEGEND

- DETECTABLE WARNING
- PROPOSED SIDEWALK
- SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD
- TW TOP OF WALK
- () EXISTING ELEVATION /
REFERENCE POINT
- LOCATION OF PEDESTRIAN
PUSH-BUTTON
- PROPOSED SIDE CURB

REFERENCE BENCHMARK ELEV 668.910
BENCHMARK : SQUARE ON SW CORNER TCB
LOCATION : NORTHEAST CORNER MALL ENTRANCE

MEADOWS LANE

IL. ROUTE 83



FILE NAME =	USER NAME = devineam	DESIGNED -	REVISED -
p:\IL\084EBIDINTEG\Illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\1427\Drawings\Design\142716-shd-details.dgn		REVISED -	REVISED -
Default	PLOT SCALE = 100.0000' / 1".	CHECKED -	REVISED -
	PLOT DATE = 3/24/2017	DATE -	REVISED -

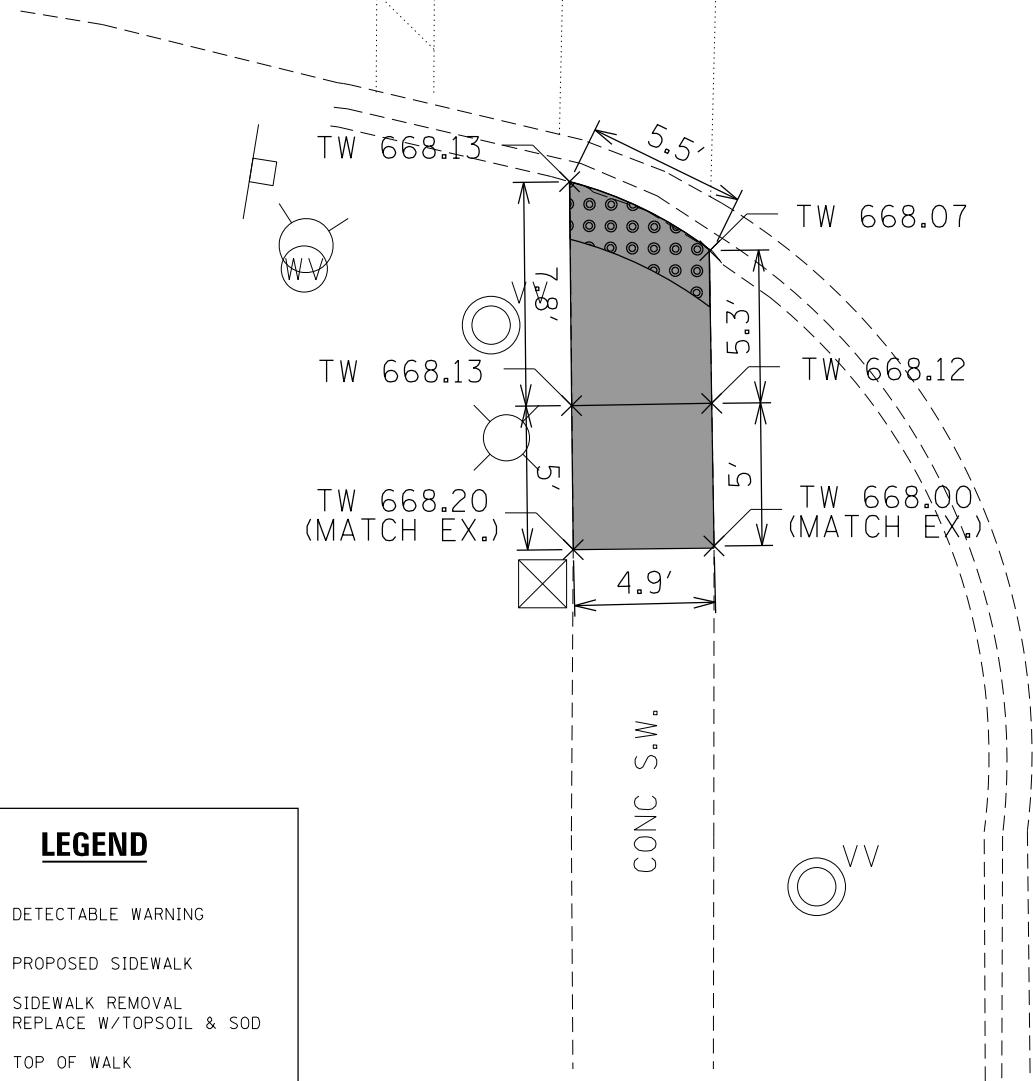
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PEDESTRIAN RAMP DETAIL
IL 83 AT MEADOWS LANE

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(97B&3192)RS-2	COOK	54	31
CONTRACT NO. 62D09				
ILLINOIS FED. AID PROJECT				

OXFORD PLACE



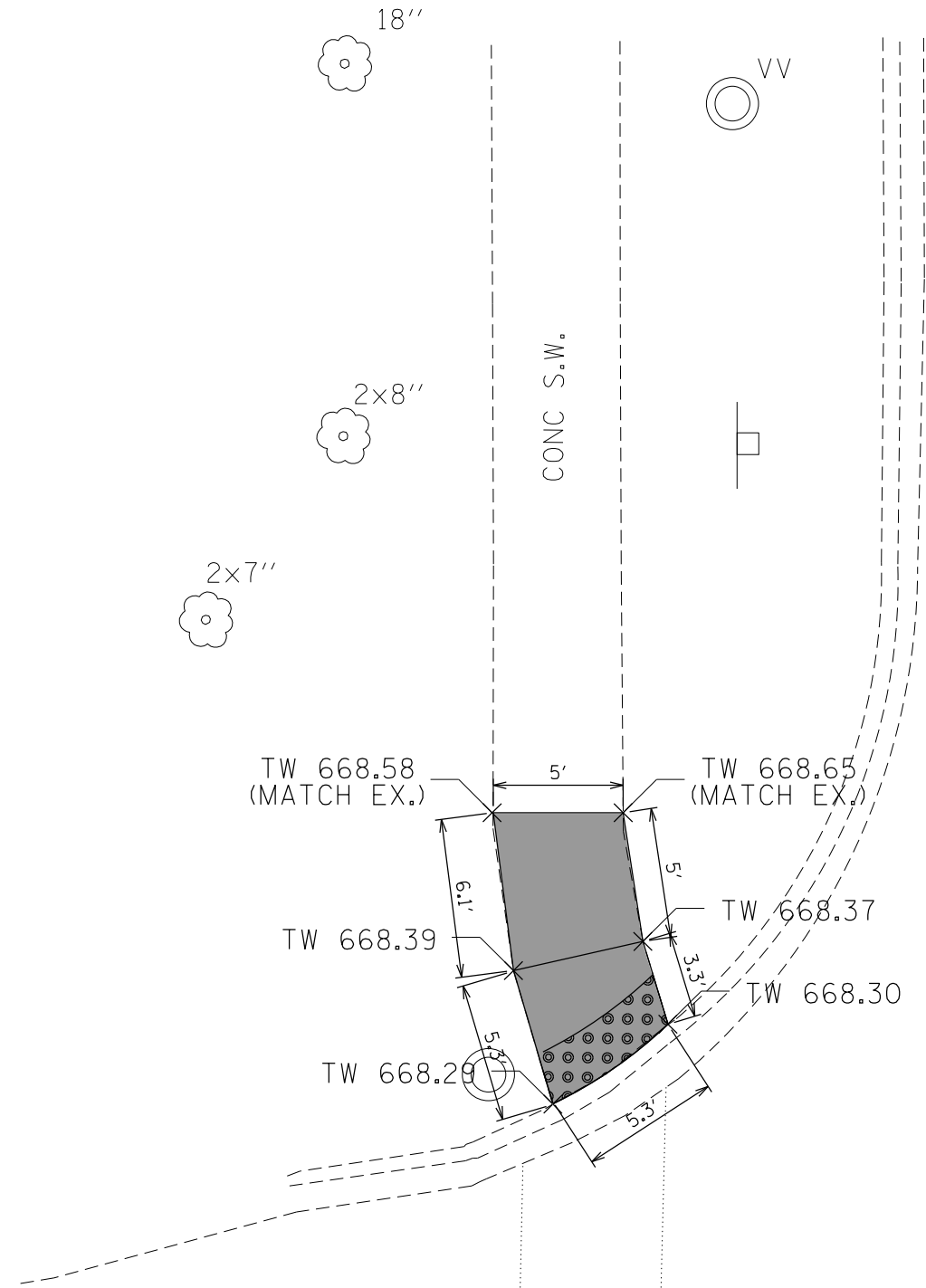
IL. ROUTE 83
(MAIN STREET)

LEGEND

- DETECTABLE WARNING
- PROPOSED SIDEWALK
- SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD
- TW TOP OF WALK
- () EXISTING ELEVATION /
REFERENCE POINT
- LOCATION OF PEDESTRIAN
PUSH-BUTTON
- PROPOSED SIDE CURB

REFERENCE BENCHMARK ELEV 669.294
BENCHMARK : TOP OF R.O.W. CONCRETE MARKER
LOCATION : SOUTHWEST CORNER OXFORD PL

OXFORD PLACE



IL. ROUTE 83
(MAIN STREET)



FILE NAME =	USER NAME = devineam	DESIGNED -	REVISED -
p:\IL\084EBIDINTEG\illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\DI427\BROWNS\Design\DI42716-sht-details.dgn		REVISED -	REVISED -
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/24/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PEDESTRIAN RAMP DETAIL
IL 83 AT OXFORD PLACE

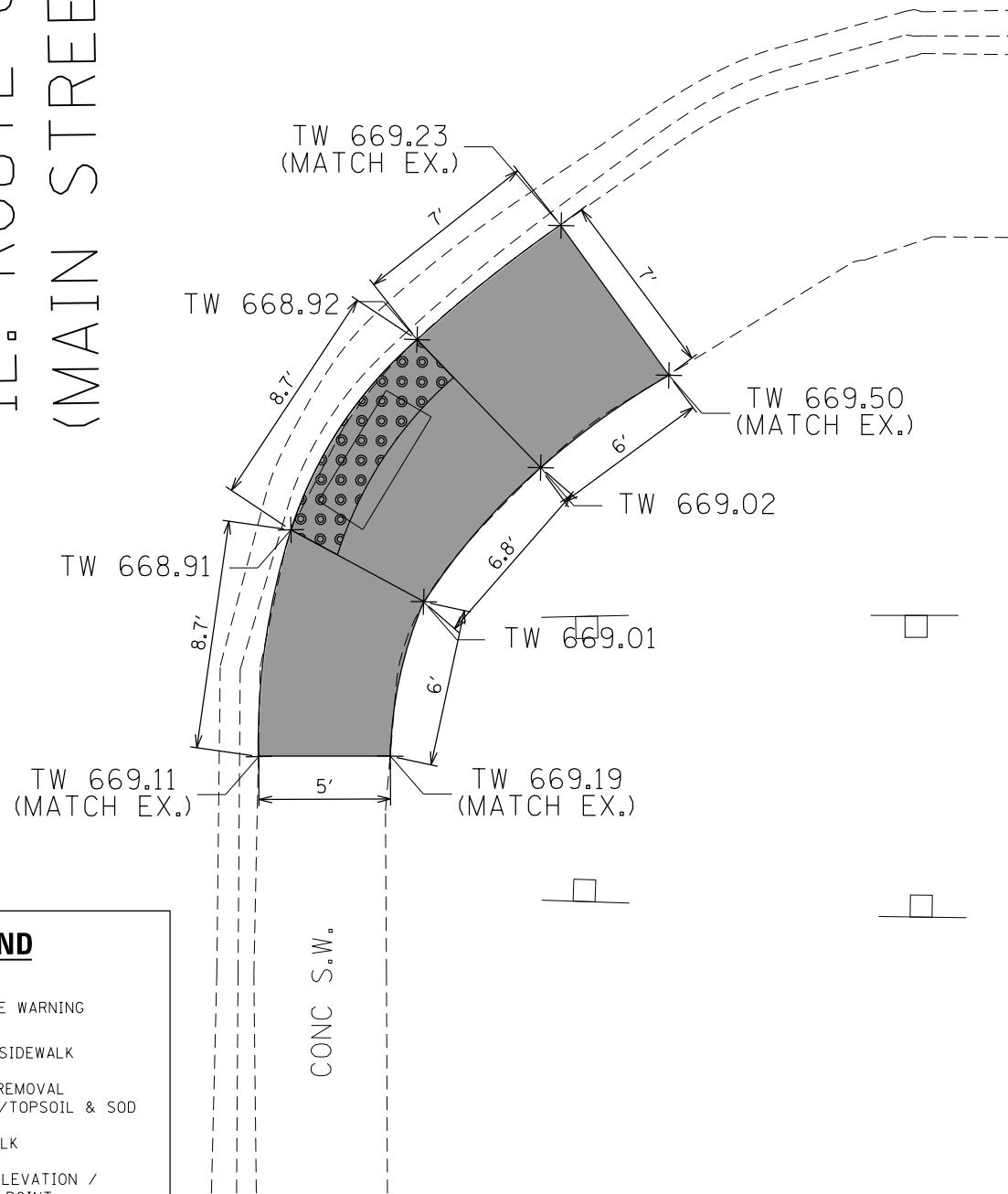
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(97B&3192)RS-2	COOK	54	32
CONTRACT NO. 62D09				
ILLINOIS FED. AID PROJECT				



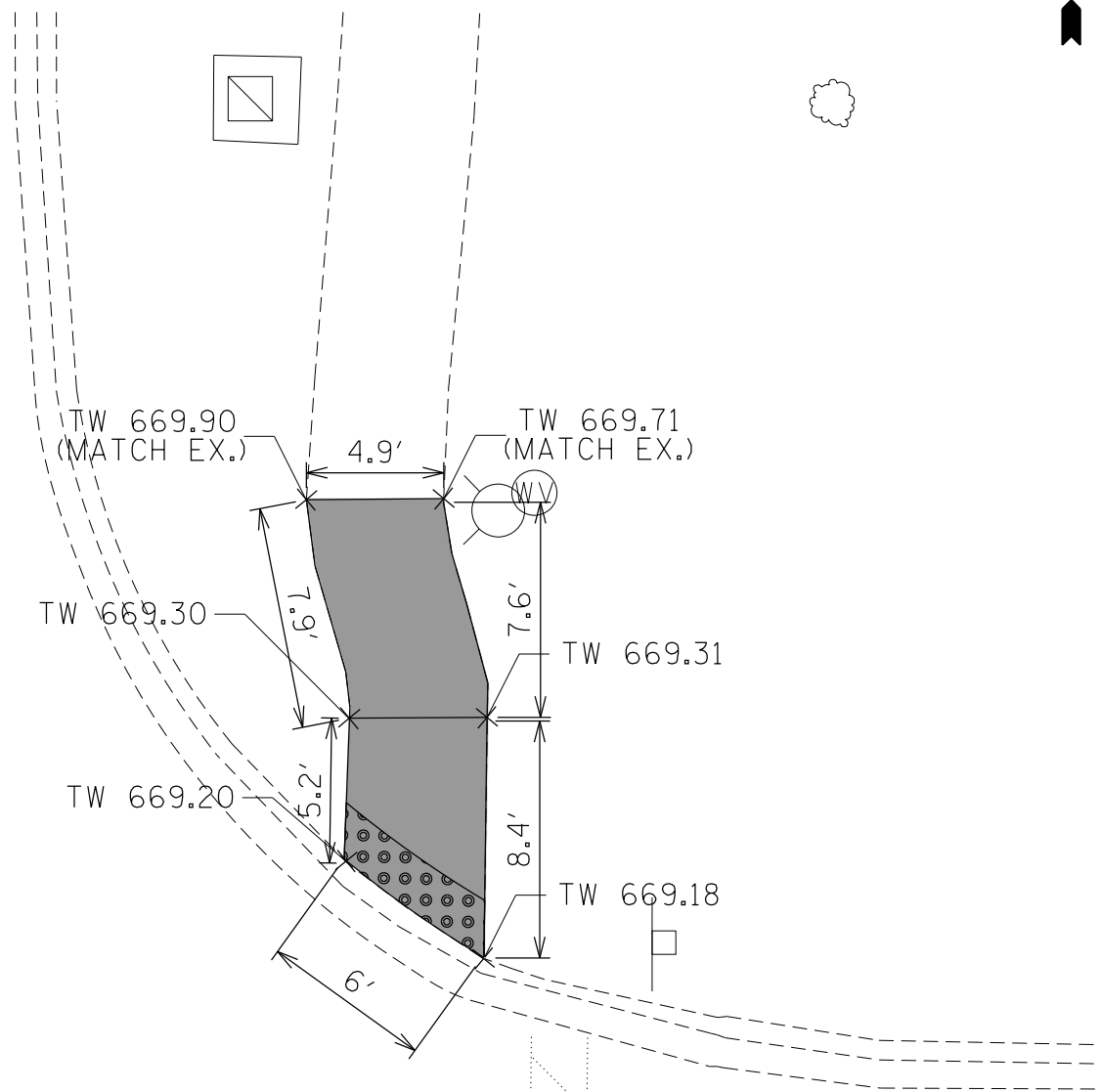
RANDHURST VILLAGE DRIVE (NORTH)

IL. ROUTE 83
(MAIN STREET)



LEGEND	
	DETECTABLE WARNING
	PROPOSED SIDEWALK
	SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD
TW	TOP OF WALK
()	EXISTING ELEVATION / REFERENCE POINT
	LOCATION OF PEDESTRIAN PUSH-BUTTON
	PROPOSED SIDE CURB

IL. ROUTE 83
(MAIN STREET)



RANDHURST VILLAGE DRIVE (NORTH)

REFERENCE BENCHMARK ELEV 671.746
BENCHMARK : TOP OF FIRE HYDRANT
LOCATION : NORTHEAST CORNER RANDHURST VILLAGE DR

FILE NAME =	USER NAME = devineam	DESIGNED -	REVISED -
pw:\IL\084EBIDINTEG\illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\D142716\Drawings\Design\D142716-shd-details.dgn		REVISED -	REVISED -
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/24/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PEDESTRIAN RAMP DETAIL
IL 83 AT RANDHURST VILLAGE MALL ENTRANCE

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(97B&3192)RS-2	COOK	54	33
				CONTRACT NO. 62D09
ILLINOIS FED. AID PROJECT				

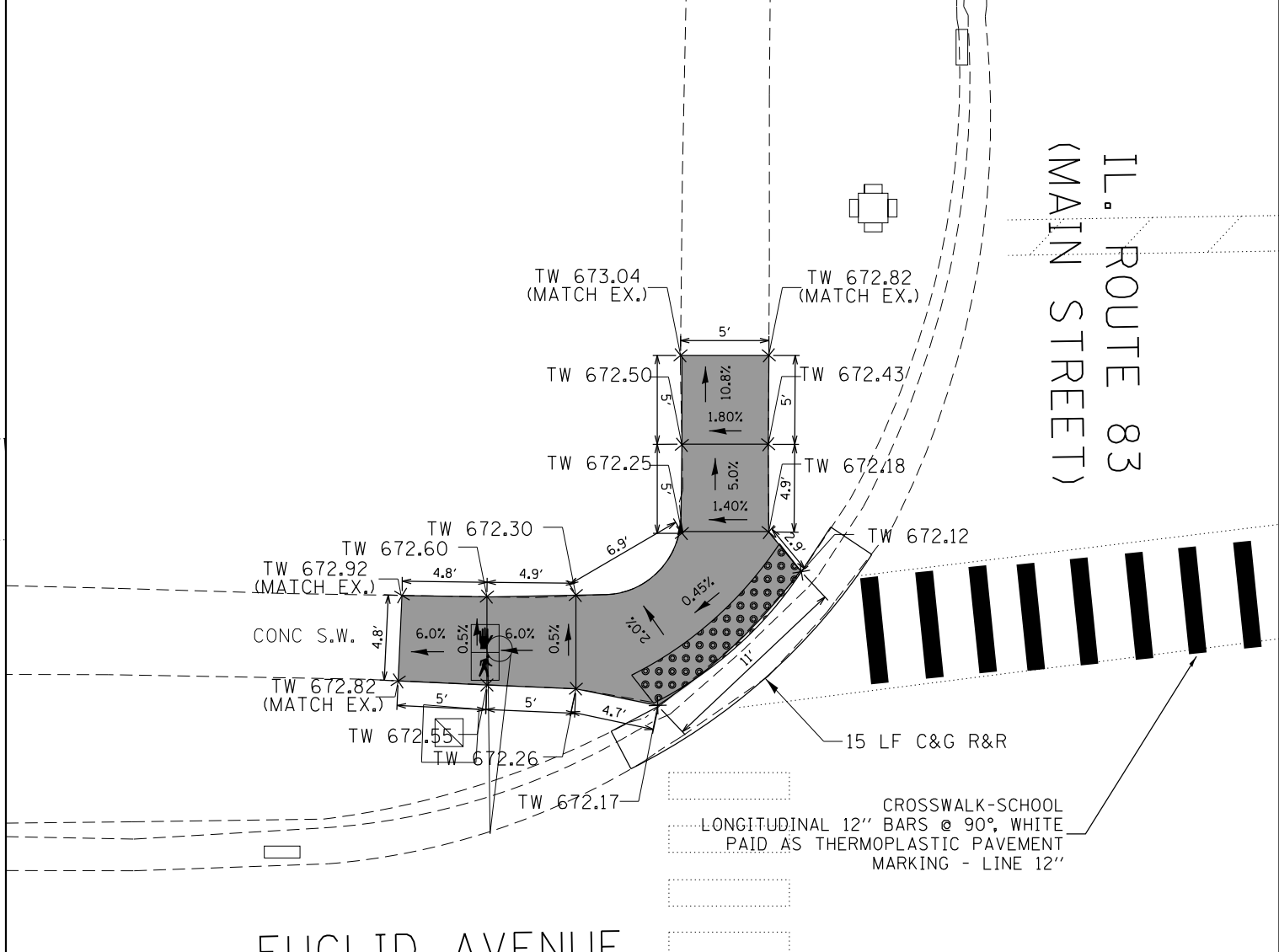
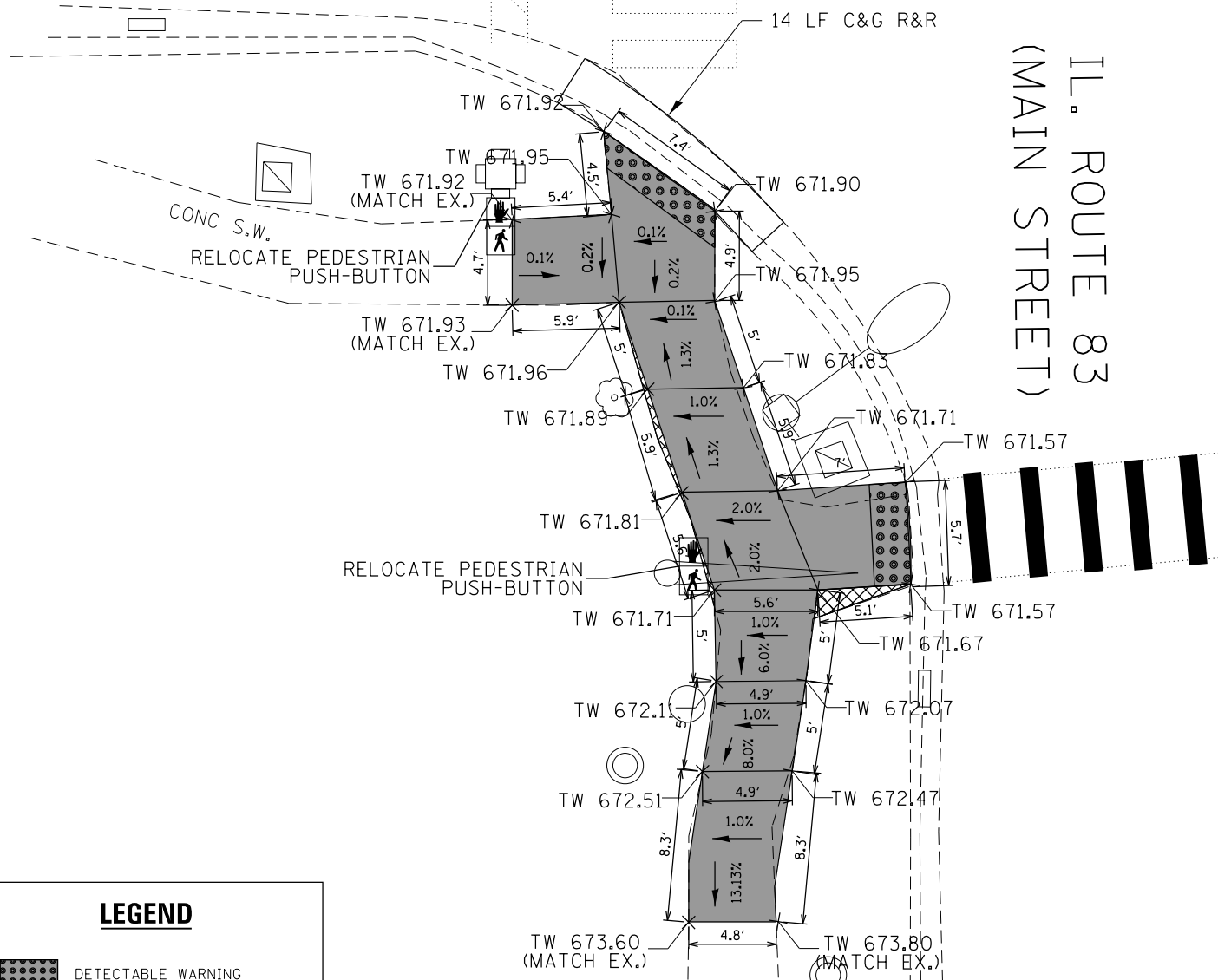


EUCLID AVENUE

IL. ROUTE 83
(MAIN STREET)

IL. ROUTE 83
(MAIN STREET)

EUCLID AVENUE



LEGEND

- DETECTABLE WARNING
- PROPOSED SIDEWALK
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD
- TW TOP OF WALK
- () EXISTING ELEVATION / REFERENCE POINT
- LOCATION OF PEDESTRIAN PUSH-BUTTON
- PROPOSED SIDE CURB

REFERENCE BENCHMARK ELEV 675.587
 BENCHMARK : TOP OF FIRE HYDRANT
 LOCATION : SOUTHEAST CORNER EUCLID AVE

FILE NAME =	USER NAME = DEVINEAM	DESIGNED -	REVISED -
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Default	PLOT SCALE = 100.0000' / 1".	CHECKED -	REVISED -
	PLOT DATE = 4/18/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PEDESTRIAN RAMP DETAIL
IL 83 AT EUCLID AVENUE

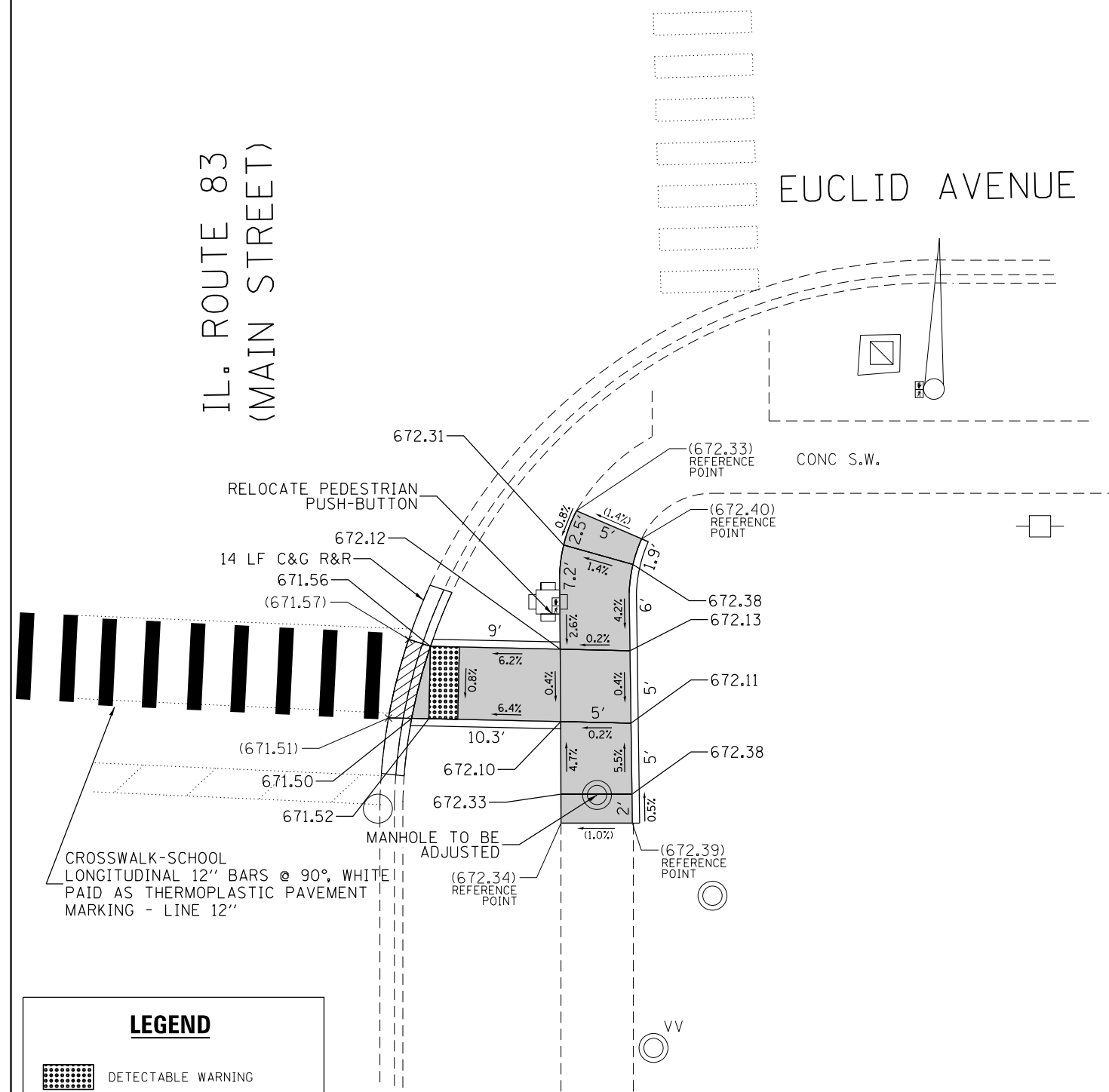
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(97B&3192)RS-2	COOK	54	34
CONTRACT NO. 62D09				
ILLINOIS FED. AID PROJECT				



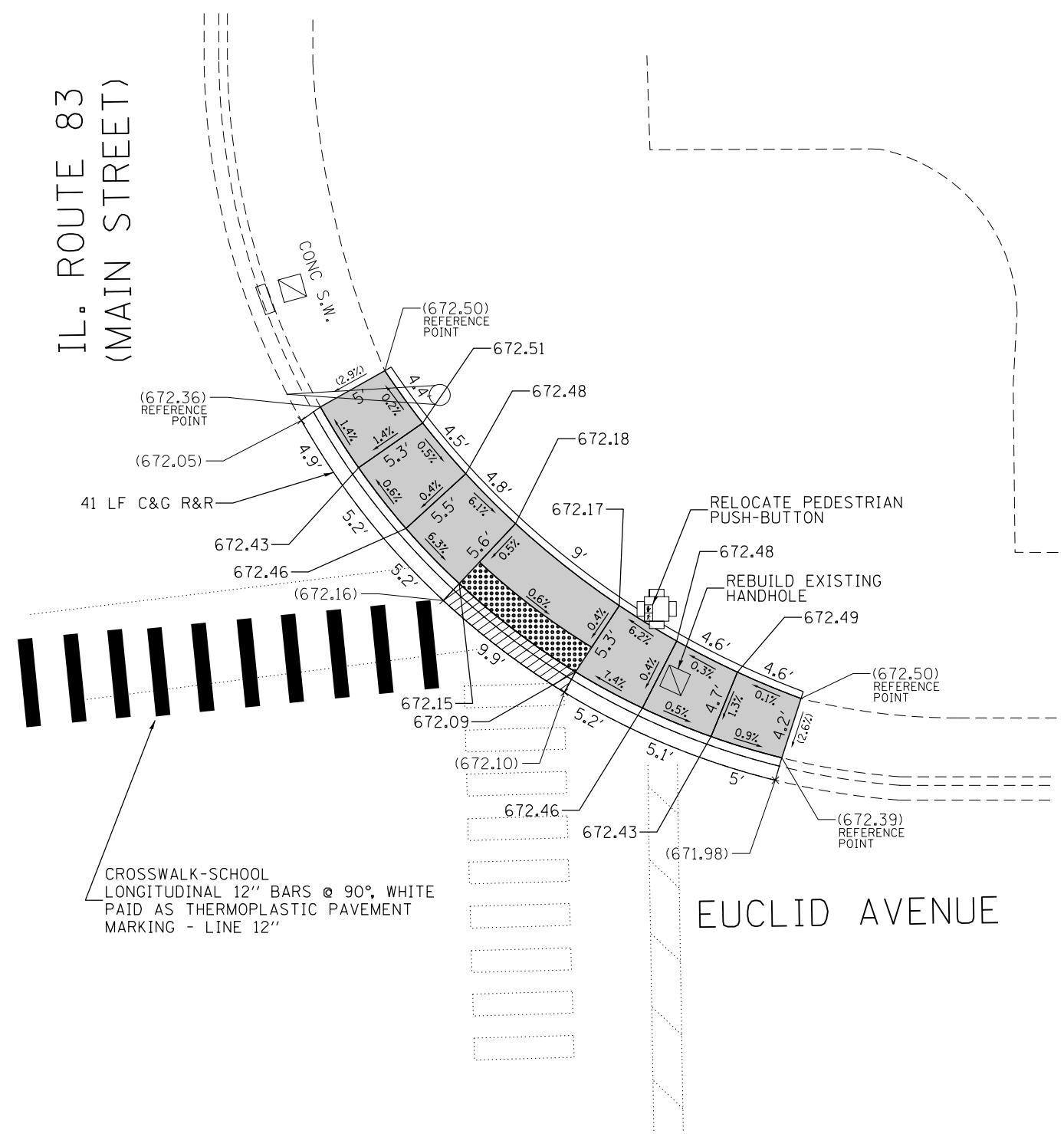
IL. ROUTE 83
(MAIN STREET)

EUCLID AVENUE









IL. ROUTE 83
(MAIN STREET)

EUCLID AVENUE



LEGEND

-  DETECTABLE WARNING
-  DEPRESSED CURB & GUTTER
-  SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD
-  PROPOSED SIDEWALK
- () EXISTING ELEVATION/SLOPE
-  LOCATION OF PEDESTRIAN
PUSH-BUTTON
-  PROPOSED SIDE CURB

REFERENCE BENCHMARK ELEV 675.587
BENCHMARK : TOP OF FIRE HYDRANT
LOCATION : SOUTHEAST CORNER EUCLID AVE

FILE NAME =	USER NAME = DEVINEAM	DESIGNED -	REVISED -
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Default	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -
	PLOT DATE = 4/18/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

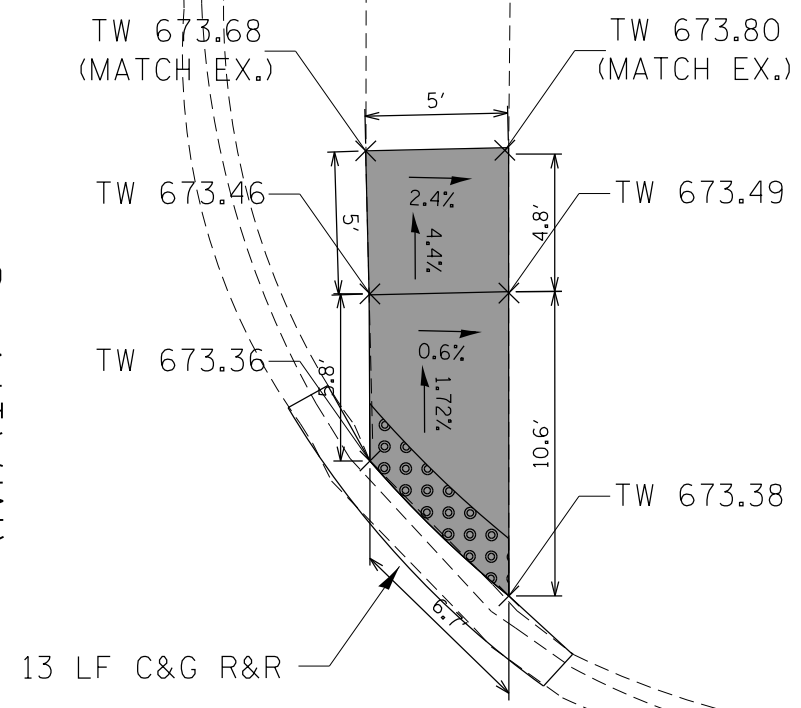
**PEDESTRIAN RAMP DETAIL
IL 83 AT EUCLID AVENUE**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(97B&3192)RS-2	COOK	54	35
CONTRACT NO. 62D09				
ILLINOIS FED. AID PROJECT				








IL. ROUTE 83
(MAIN STREET)



13 LF C&G R&R

HAWTHORNE PLACE

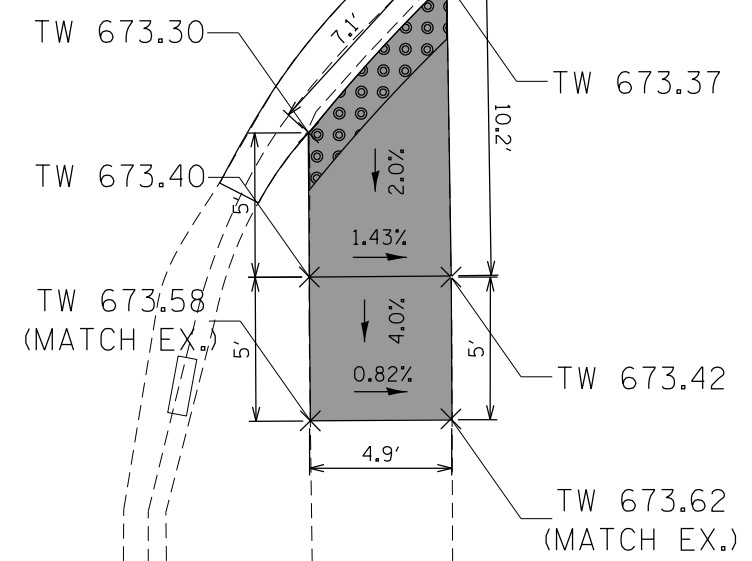
LEGEND

-  DETECTABLE WARNING
-  PROPOSED SIDEWALK
-  SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD
- TW TOP OF WALK
- () EXISTING ELEVATION /
REFERENCE POINT
-  LOCATION OF PEDESTRIAN
PUSH-BUTTON
-  PROPOSED SIDE CURB

IL. ROUTE 83
(MAIN STREET)

HAWTHORNE PLACE

14 LF C&G R&R



CONC S.W.

REFERENCE BENCHMARK ELEV 674.689
BENCHMARK : SQUARE ON NW CORNER HANDHOLE
LOCATION : NORTHWEST CORNER HAWTHORNE PL

FILE NAME =	USER NAME = devineam	DESIGNED -	REVISED -
p:\IL\084EBIDINTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\DI42716\Design\DI42716-shd-details.dgn		REVISED -	REVISED -
Default	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -
	PLOT DATE = 3/24/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

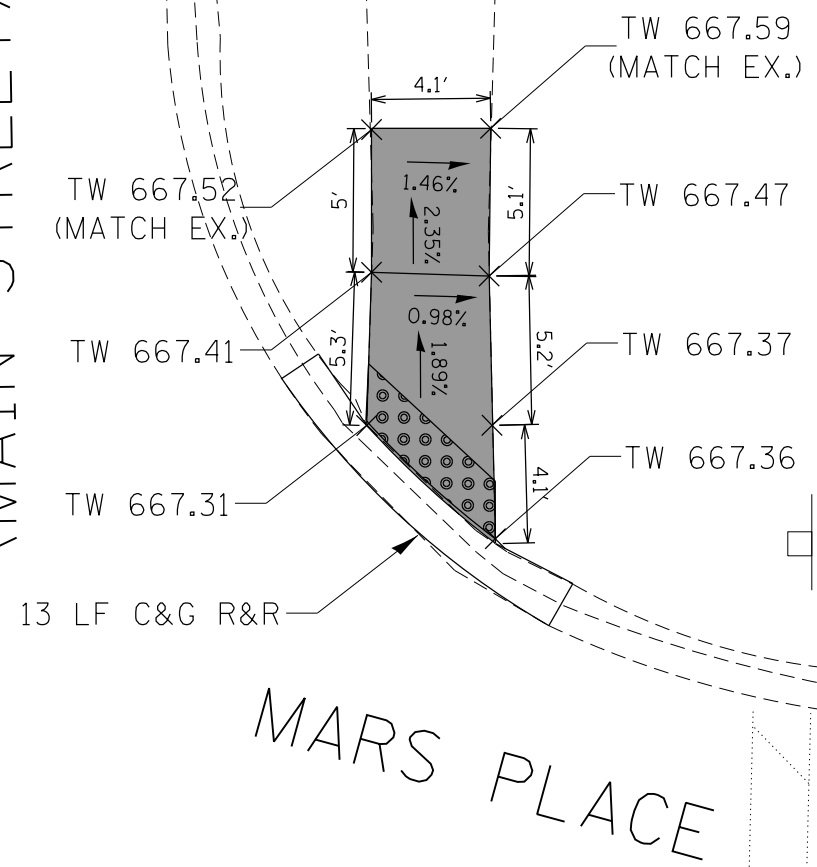
PEDESTRIAN RAMP DETAIL
IL 83 AT HAWTHORNE PLACE

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(97B&3192)RS-2	COOK	54	36
CONTRACT NO. 62D09				
ILLINOIS FED. AID PROJECT				



IL. ROUTE 83
(MAIN STREET)

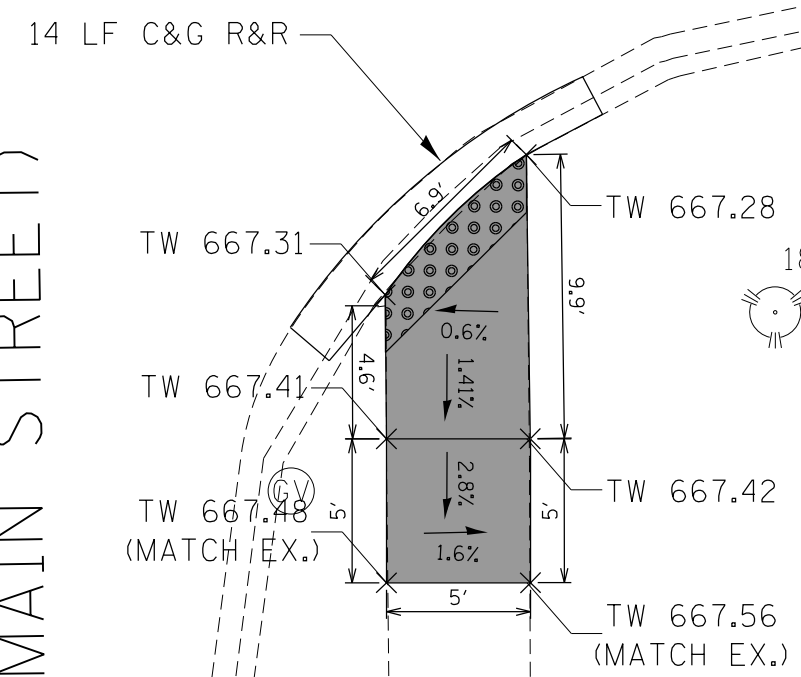


LEGEND

- DETECTABLE WARNING
- PROPOSED SIDEWALK
- SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD
- TW TOP OF WALK
- () EXISTING ELEVATION /
REFERENCE POINT
- LOCATION OF PEDESTRIAN
PUSH-BUTTON
- PROPOSED SIDE CURB

IL. ROUTE 83
(MAIN STREET)

MARS PLACE



REFERENCE BENCHMARK ELEV 668.173
BENCHMARK : TOP OF FIRE HYDRANT
LOCATION : NORTHWEST CORNER MARS PL

FILE NAME =	USER NAME = devineam	DESIGNED -	REVISED -
pw\IL084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\D142716\Design\Design\142716-shd-details.dgn		DRAWN -	REVISED -
Default	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -
	PLOT DATE = 3/24/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PEDESTRIAN RAMP DETAIL
IL 83 AT MARS PLACE

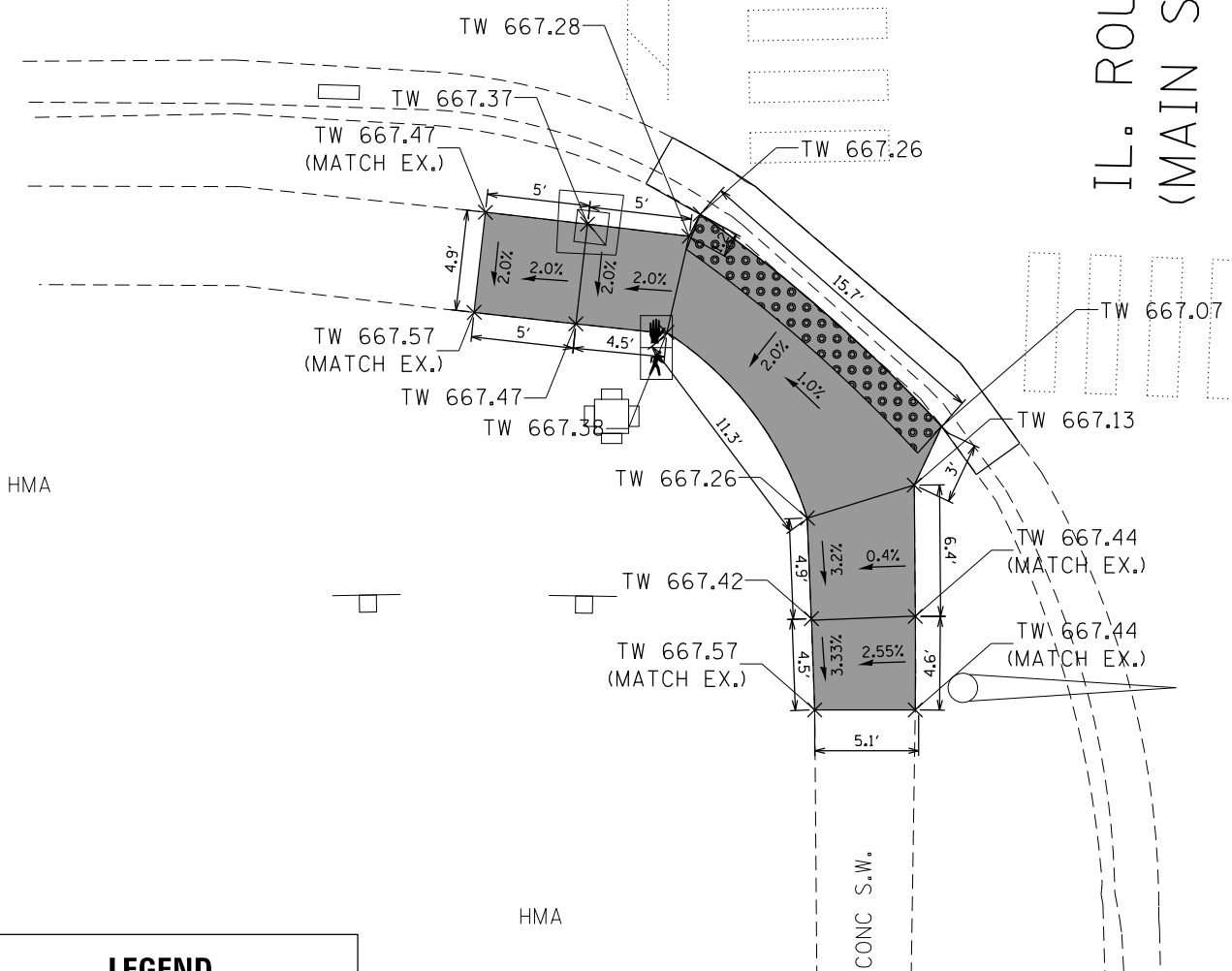
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(97B&3192)RS-2	COOK	54	37
CONTRACT NO. 62D09				
ILLINOIS FED. AID PROJECT				



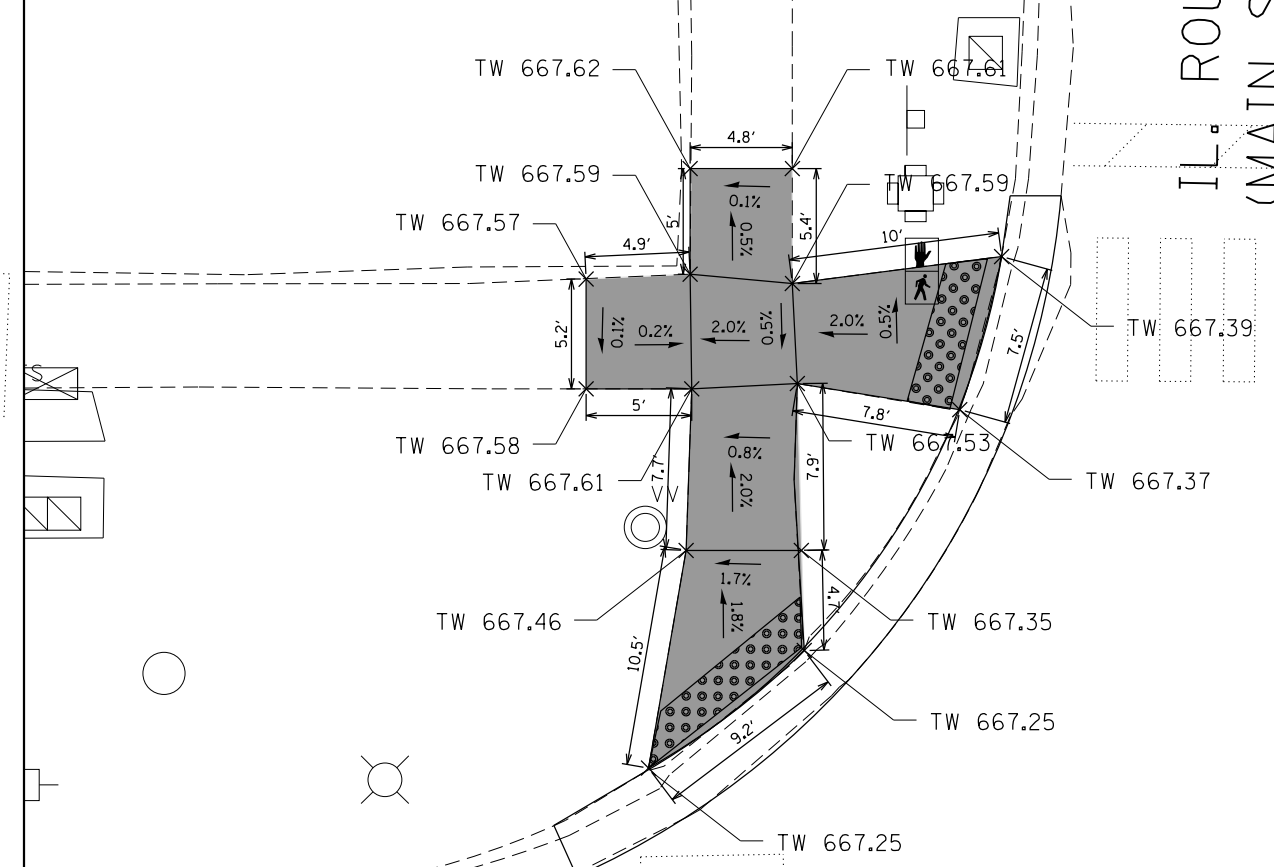
CAMP MCDONALD ROAD

IL. ROUTE 83
(MAIN STREET)



CAMP MCDONALD ROAD

IL. ROUTE 83
(MAIN STREET)



LEGEND

- DETECTABLE WARNING
- PROPOSED SIDEWALK
- SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD
- TW TOP OF WALK
- () EXISTING ELEVATION /
REFERENCE POINT
- LOCATION OF PEDESTRIAN
PUSH-BUTTON
- PROPOSED SIDE CURB

REFERENCE BENCHMARK ELEV 668.032
BENCHMARK : EAST BOLT ON FIRE HYDRANT
LOCATION : NORTHEAST CORNER CAMP MCDONALD RD

FILE NAME =	USER NAME = devineam	DESIGNED -	REVISED -
p:\IL\084EBID\INTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\DI42716\Design\DI42716-shr-details.dgn		REVISED -	REVISED -
Default	PLOT SCALE = 100.0000' / 1".	CHECKED -	REVISED -
	PLOT DATE = 3/24/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PEDESTRIAN RAMP DETAIL
IL 83 AT CAMP MCDONALD ROAD

SCALE: SHEET OF SHEETS STA. TO STA.

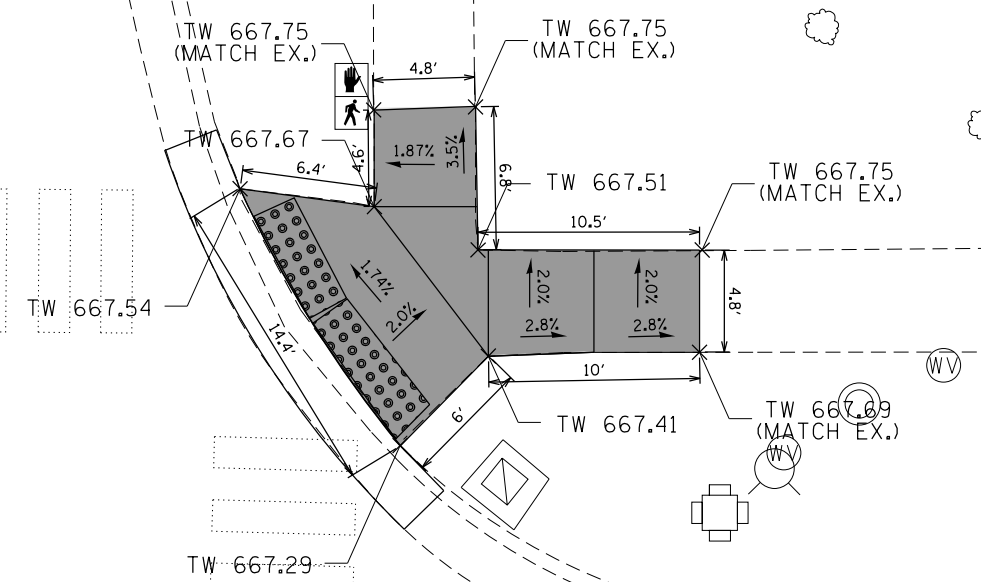
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(97B&3192)RS-2	COOK	54	38
CONTRACT NO. 62D09				
ILLINOIS FED. AID PROJECT				



CAMP MCDONALD ROAD

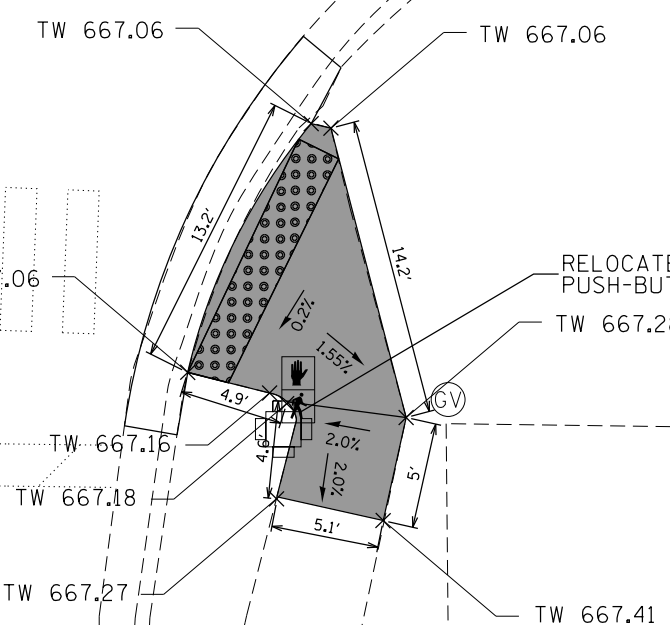
IL. ROUTE 83
(MAIN STREET)

CONC S.W.



CAMP MCDONALD ROAD

IL. ROUTE 83
(MAIN STREET)



HMA

LEGEND	
	DETECTABLE WARNING
	PROPOSED SIDEWALK
	SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD
TW	TOP OF WALK
()	EXISTING ELEVATION / REFERENCE POINT
	LOCATION OF PEDESTRIAN PUSH-BUTTON
	PROPOSED SIDE CURB

REFERENCE BENCHMARK ELEV 668.032
BENCHMARK : EAST BOLT ON FIRE HYDRANT
LOCATION : NORTHEAST CORNER CAMP MCDONALD RD

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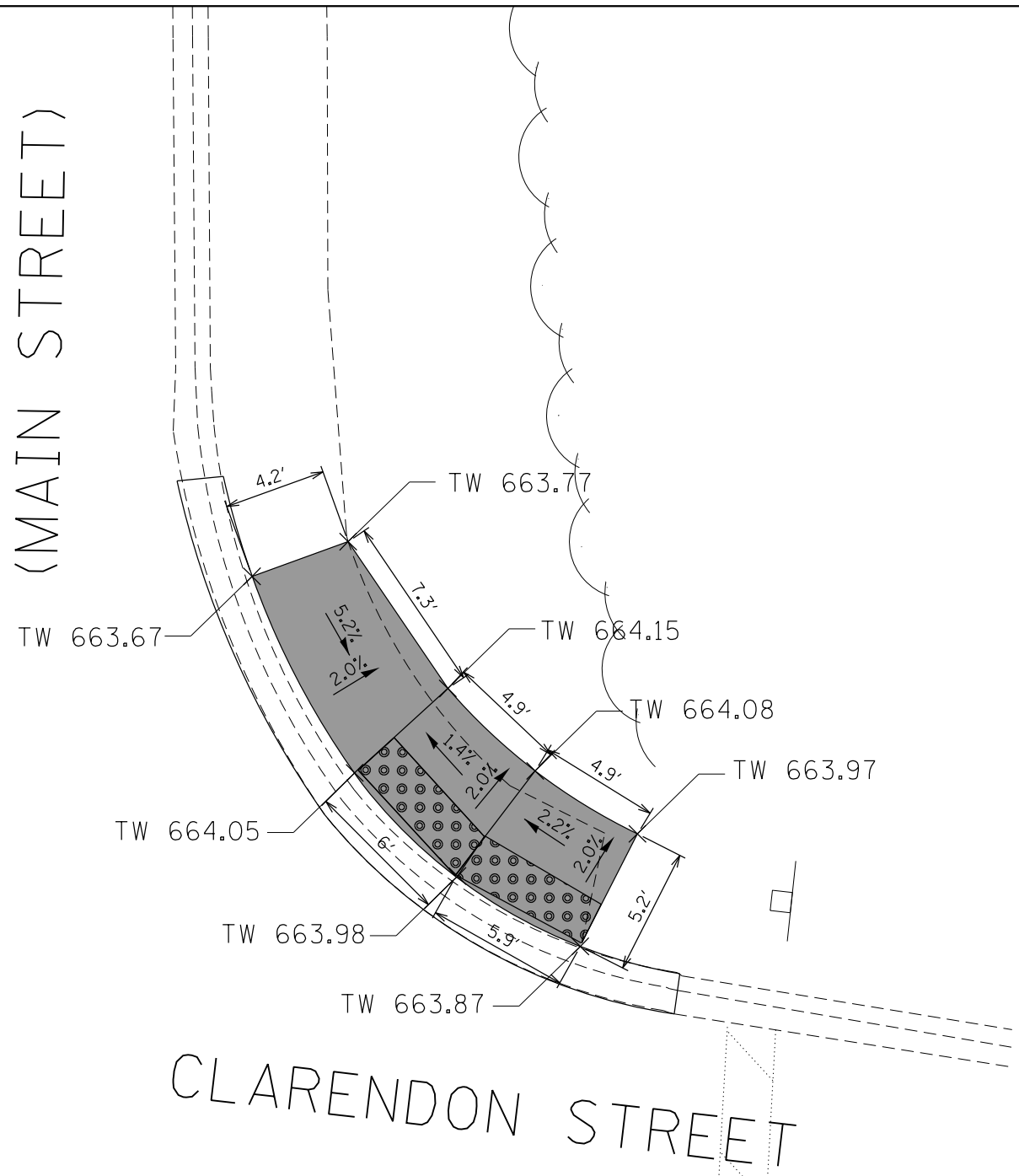
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PEDESTRIAN RAMP DETAIL IL 83 AT CAMP MCDONALD ROAD			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(97B&3192)RS-2	COOK	54	39
CONTRACT NO. 62D09				
ILLINOIS FED. AID PROJECT				



IL. ROUTE 83
(MAIN STREET)

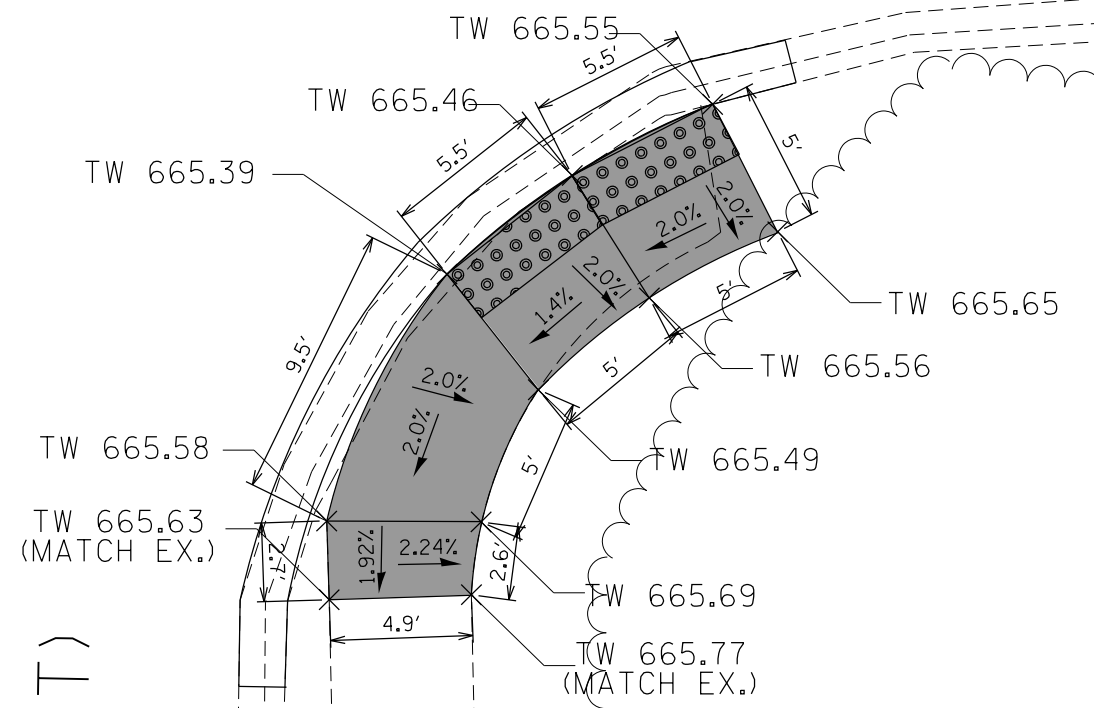


CLARENDON STREET

REFERENCE BENCHMARK ELEV 668.025
BENCHMARK : SPIKE IN POWERPOLE
LOCATION : SOUTHEAST CORNER CLARENDON ST

IL. ROUTE 83
(MAIN STREET)

CLARENDON STREET



LEGEND

- DETECTABLE WARNING
- PROPOSED SIDEWALK
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD
- TW TOP OF WALK
- () EXISTING ELEVATION / REFERENCE POINT
- LOCATION OF PEDESTRIAN PUSH-BUTTON
- PROPOSED SIDE CURB

FILE NAME =	USER NAME = devineam	DESIGNED -	REVISED -
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Default	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -
	PLOT DATE = 3/24/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PEDESTRIAN RAMP DETAIL
IL 83 AT CLARENDON STREET

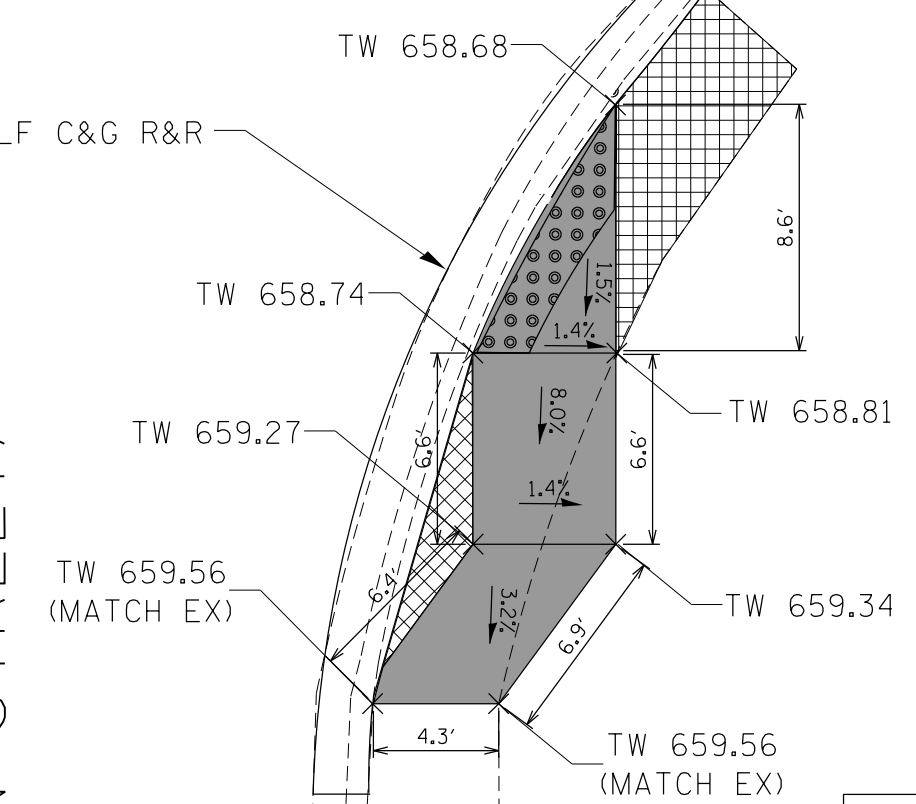
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(97B&3192)RS-2	COOK	54	40
CONTRACT NO. 62D09				
ILLINOIS FED. AID PROJECT				



HILLSIDE AVENUE

IL. ROUTE 83
(MAIN STREET)

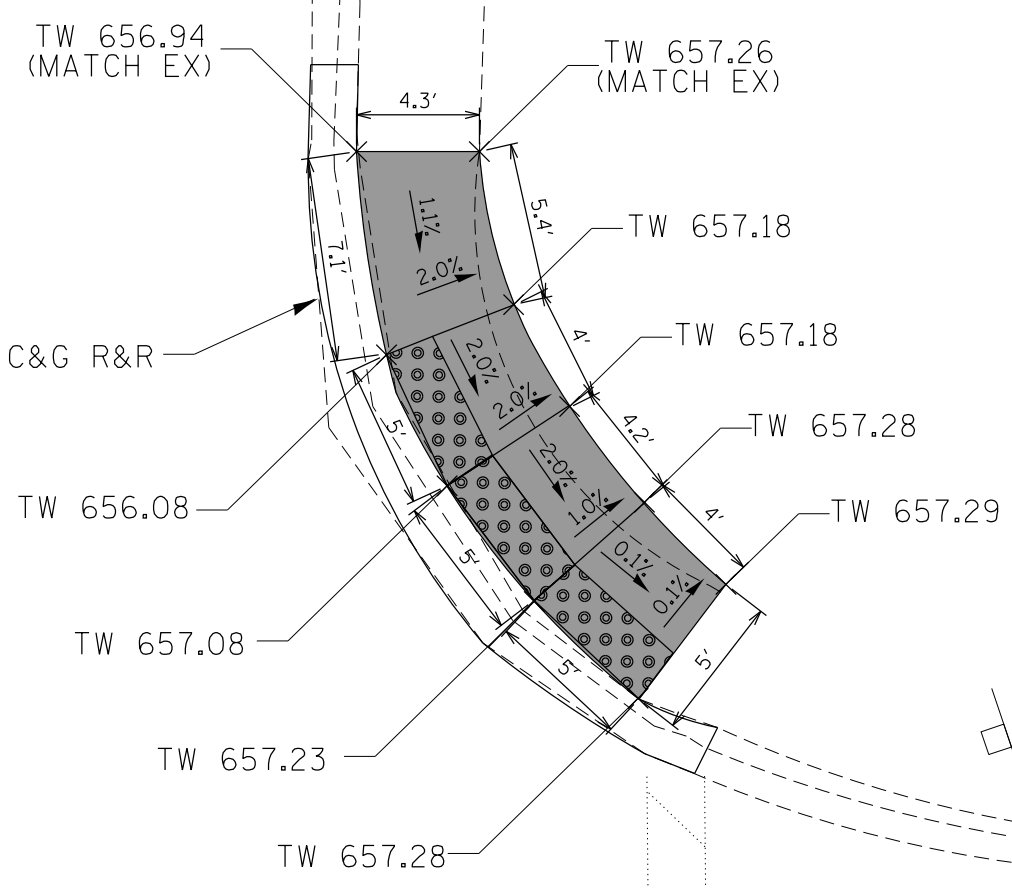


LEGEND

- DETECTABLE WARNING
- PROPOSED SIDEWALK
- SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD
- TW TOP OF WALK
- () EXISTING ELEVATION /
REFERENCE POINT
- LOCATION OF PEDESTRIAN
PUSH-BUTTON
- PROPOSED SIDE CURB

HILLSIDE AVENUE

IL. ROUTE 83
(MAIN STREET)



REFERENCE BENCHMARK ELEV 658.683
BENCHMARK : SQUARE TOP OF CURB
LOCATION : FRONT HOUSE #104

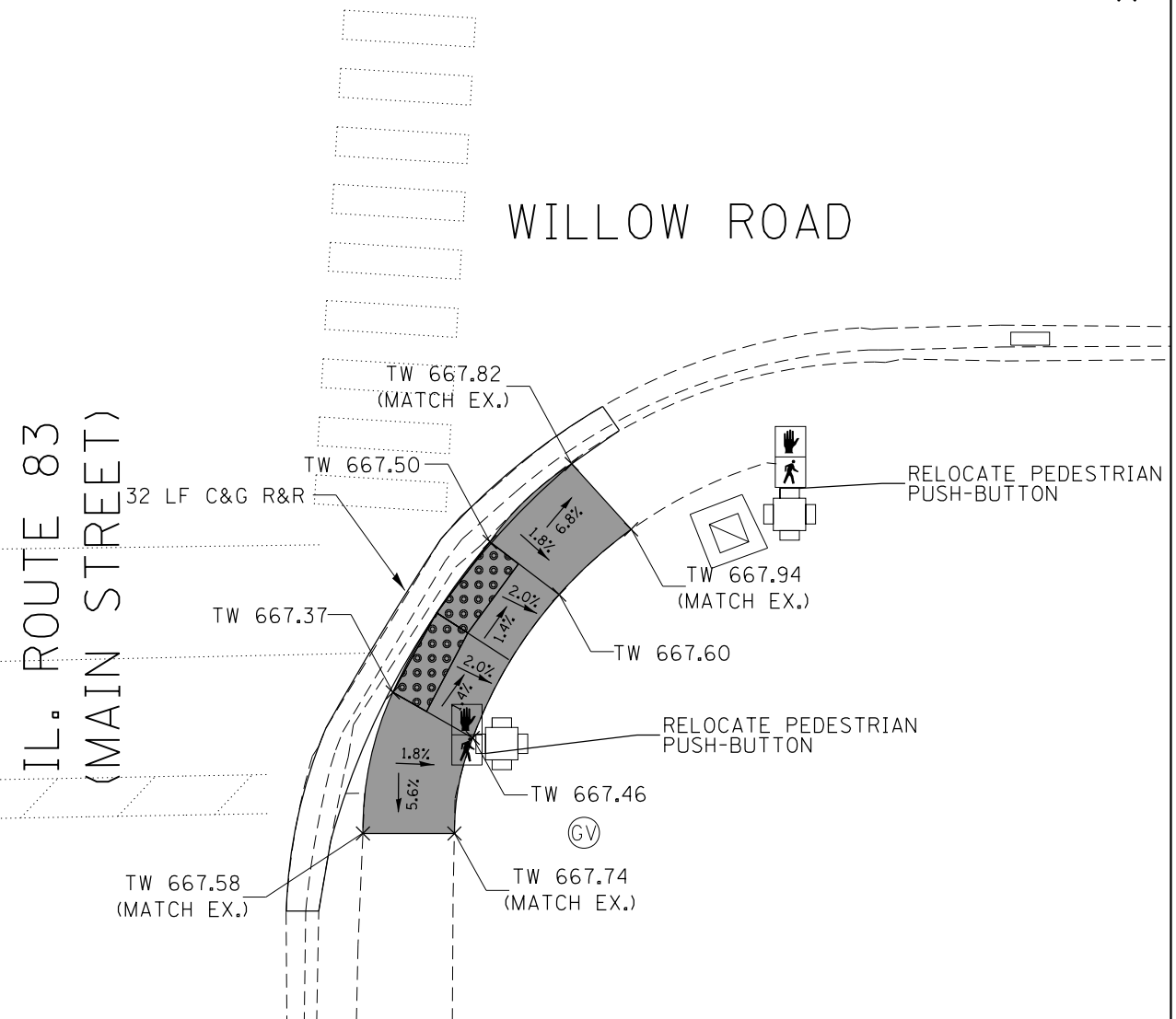
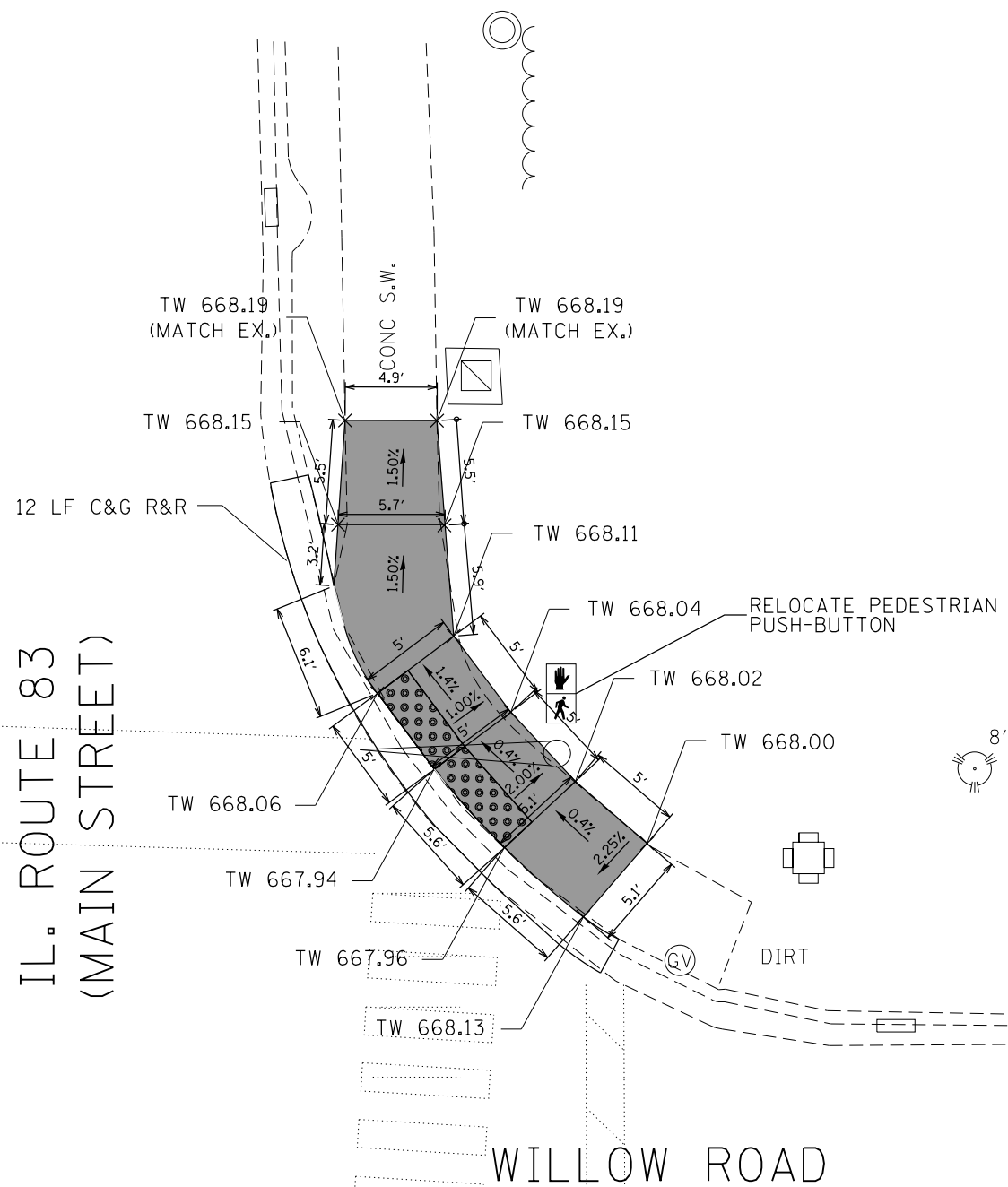
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	PLOT DATE = 3/24/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PEDESTRIAN RAMP DETAIL
IL 83 AT HILLSIDE AVENUE

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(97B&3192)RS-2	COOK	54	41
CONTRACT NO. 62D09				
ILLINOIS FED. AID PROJECT				



LEGEND

- DETECTABLE WARNING
- PROPOSED SIDEWALK
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD
- TW TOP OF WALK
- () EXISTING ELEVATION / REFERENCE POINT
- LOCATION OF PEDESTRIAN PUSH-BUTTON
- PROPOSED SIDE CURB

REFERENCE BENCHMARK ELEV 670.276
 BENCHMARK : SQUARE ON SOUTHEAST CORNER TCB
 LOCATION : NORTHWEST CORNER WILLOW RD

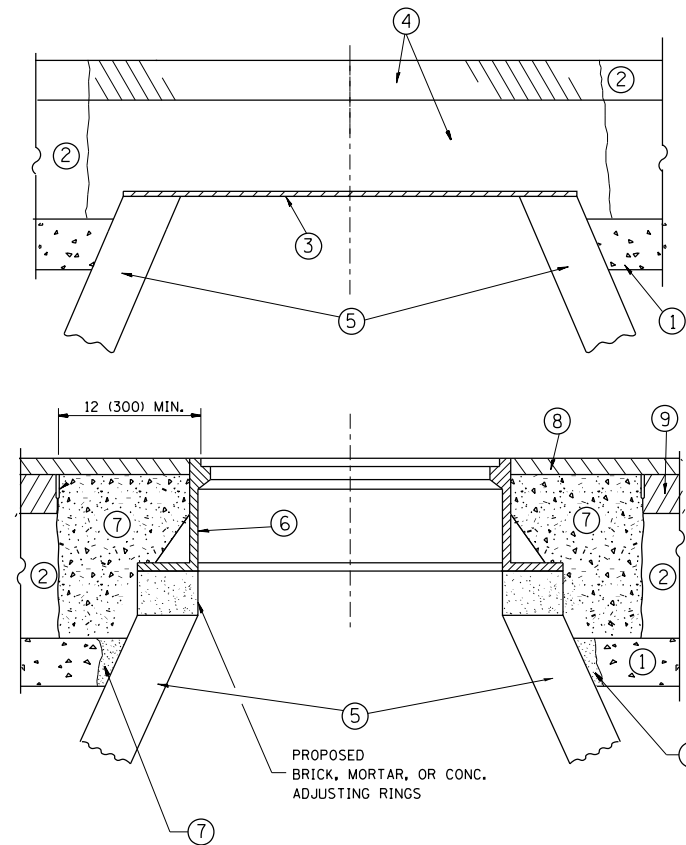
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/24/2017	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PEDESTRIAN RAMP DETAIL
 IL 83 AT WILLOW ROAD**

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(97B&3192RS-2	COOK	54	42
CONTRACT NO. 62D09				
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

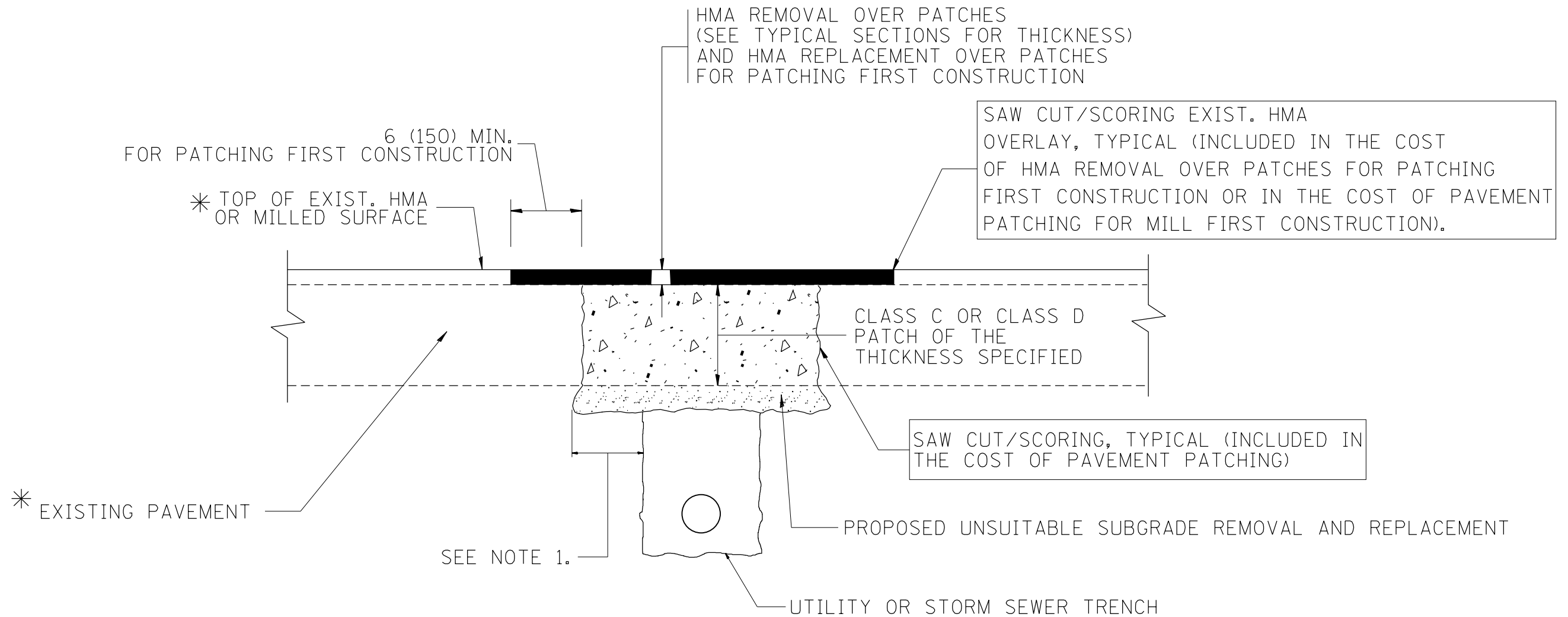
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pw\1\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\1427\BROWN\Design\Diststd.dgn			REVISED - R. BORO 01-01-07
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	PLOT DATE = 3/24/2017	DATE - 10-25-94	REVISED - R. BORO 12-06-11

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAILS FOR
FRAMES AND LIDS ADJUSTMENT WITH MILLING**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(97B&3192)RS-2	COOK	54	43
BD600-03 (BD-8)		CONTRACT NO.	62D09	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

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

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

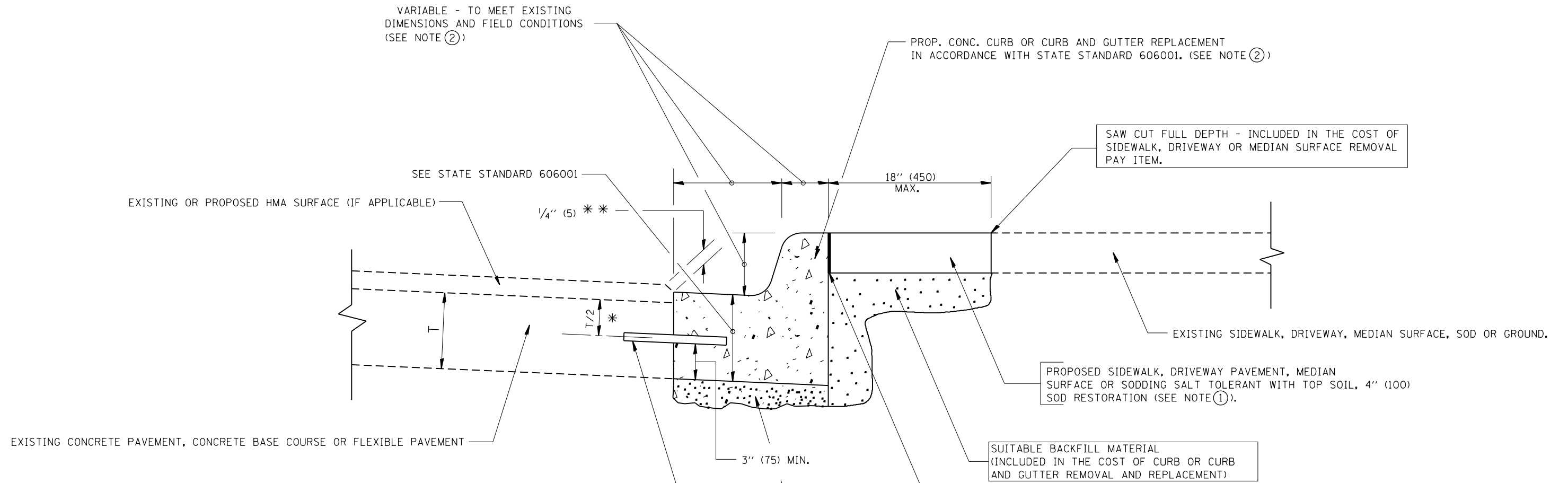
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

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

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

FILE NAME =	USER NAME = devineam	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\1427\BROWN\Design\Diststd.dgn		REVISED - R. BORO 01-01-07	REVISED - R. BORO 09-04-07					344	(97B&3192)RS-2	COOK	54	44
PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - R. BORO 09-04-07	REVISED - K. ENG 10-27-08		BD400-04 (BD-22)			CONTRACT NO. 62D09				
PLOT DATE = 3/24/2017	DATE - 10-25-94	REVISED - K. ENG 10-27-08	SCALE: NONE		SHEET NO. 1	OF 1 SHEETS	STA.	TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		



- * 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
 - ** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.
- NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.
- SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY.
- ② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED
 - ③ CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.
 - ④ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.
 - ⑤ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.
 - ⑥ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.
 - ⑦ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.
 - ⑧ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

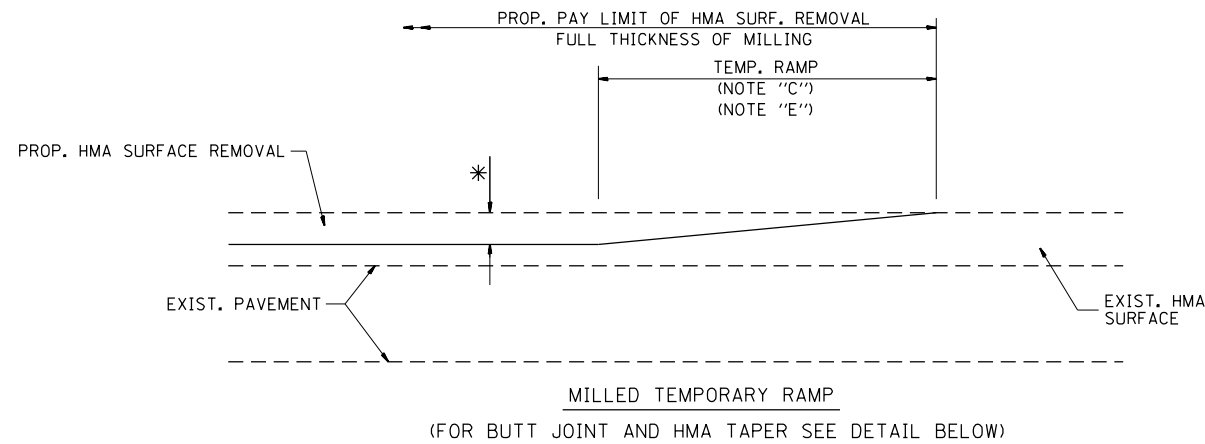
- PROPOSED 3/4" (20) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.)
- UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, 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 USUABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

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

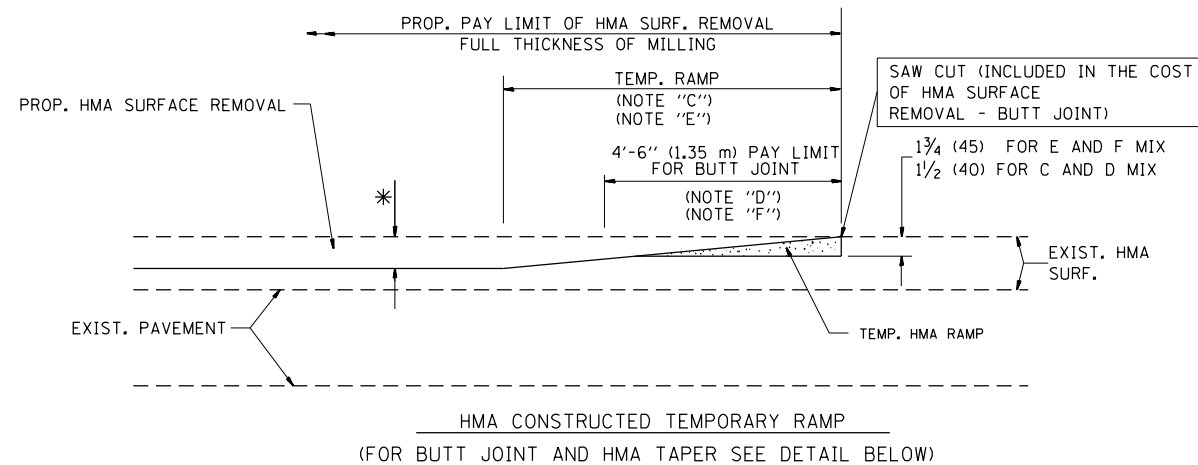
CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

FILE NAME =	USER NAME = devineam	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\IL\084EBIDINTEG.illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\DI427\Drawings\Design\Diststd.dgn						REVISED - A. ABBAS 03-21-97	344	(97B&3192)RS-2	COOK	54	45
PLOT SCALE = 100.0000' / in.						REVISED - M. GOMEZ 01-22-01	BD600-06 (BD-24)		CONTRACT NO. 62D09		
PLOT DATE = 3/24/2017						DATE - 03-11-94	REVISED - R. BORO 12-15-09	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			
						SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.		

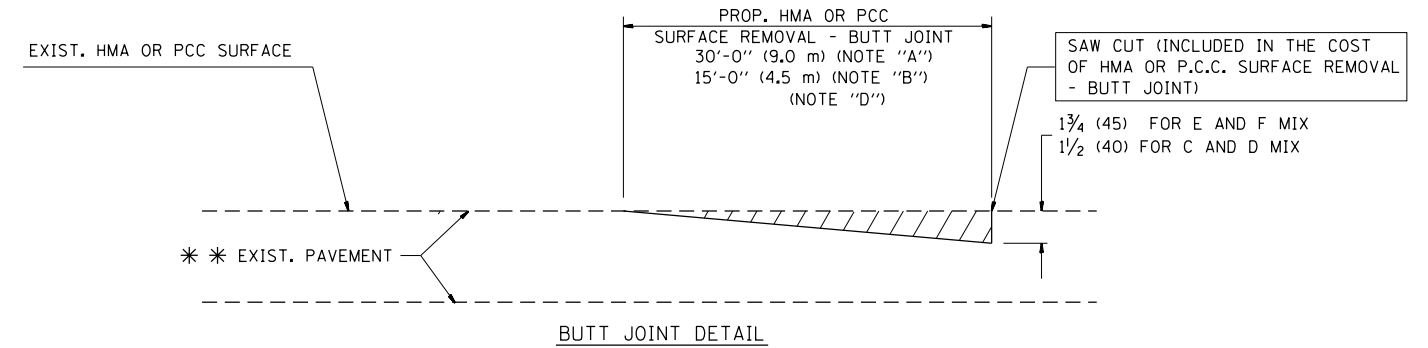


OPTION 1

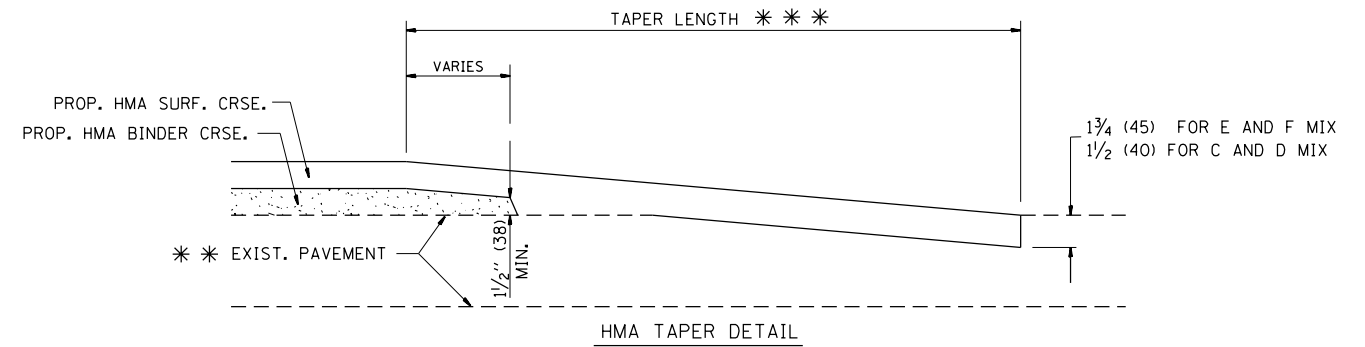


OPTION 2

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.

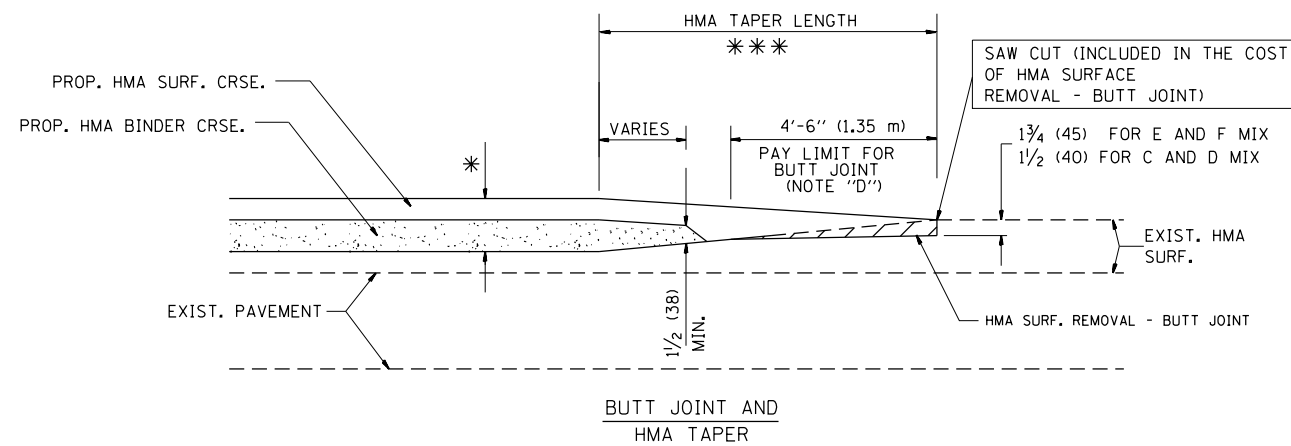
NOTES

- 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 = devineam	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
pw\1\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\01427\Drawings\Design\Diststd.dgn		REVISED - A. ABBAS 03-21-97	
	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 3/24/2017	DATE - 06-13-90	REVISED - R. BORO 01-01-07

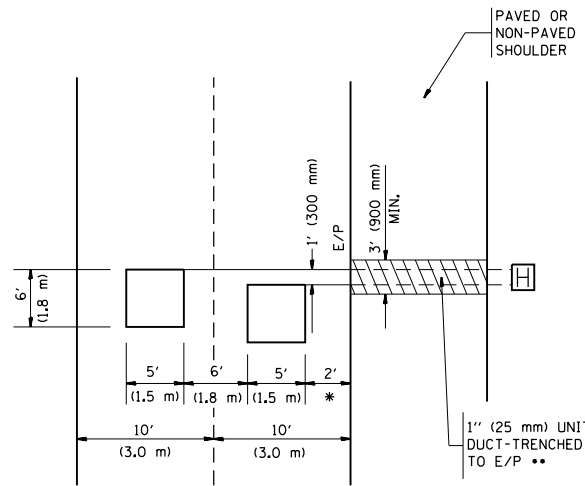
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(97B&3192)RS-2	COOK	54	46
BD400-05 BD32		CONTRACT NO.	62D09	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LOOPS NEXT TO SHOULDERS

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



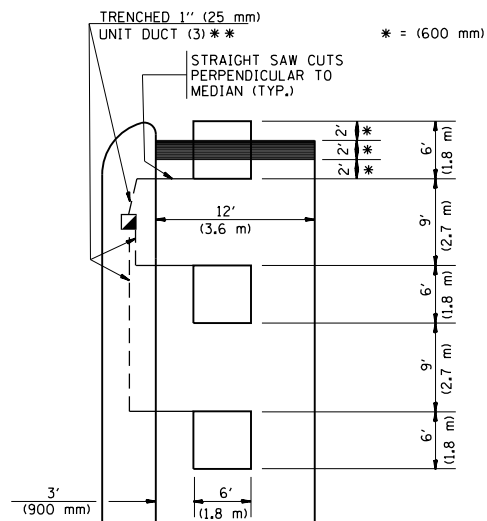
* = (600 mm)

** 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.



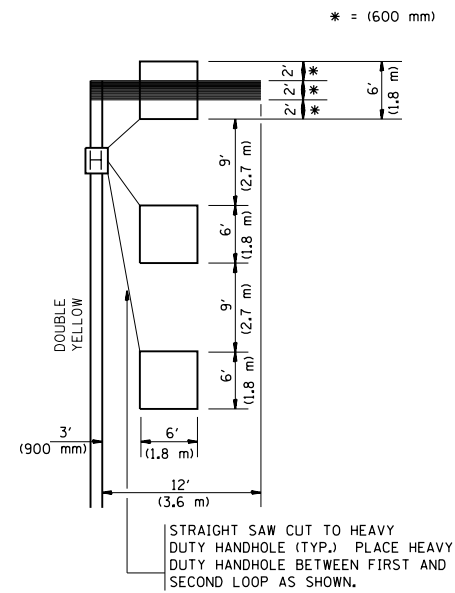
* = (600 mm)

** 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)



* = (600 mm)

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

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.

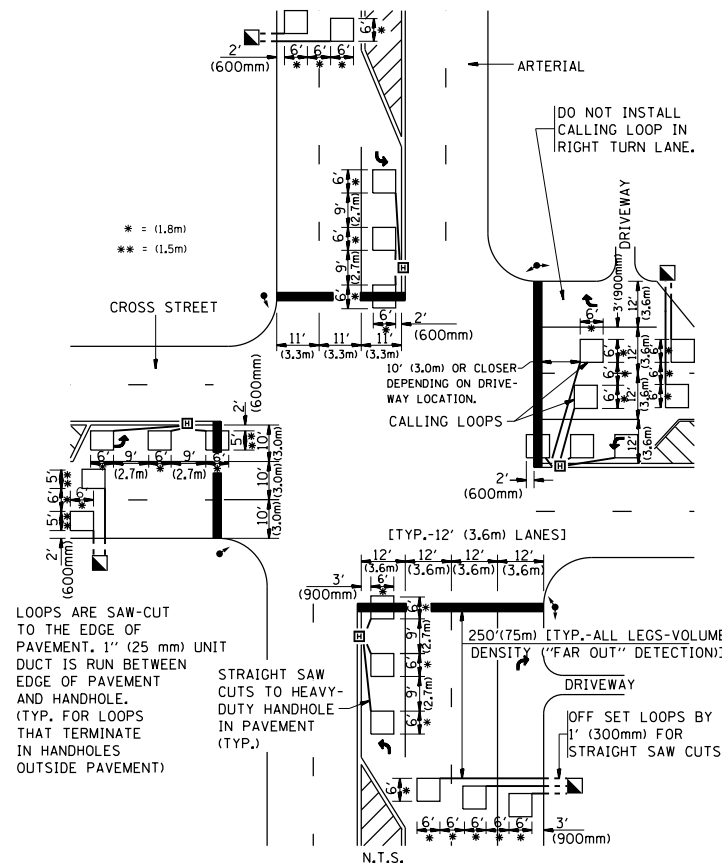
"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0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

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

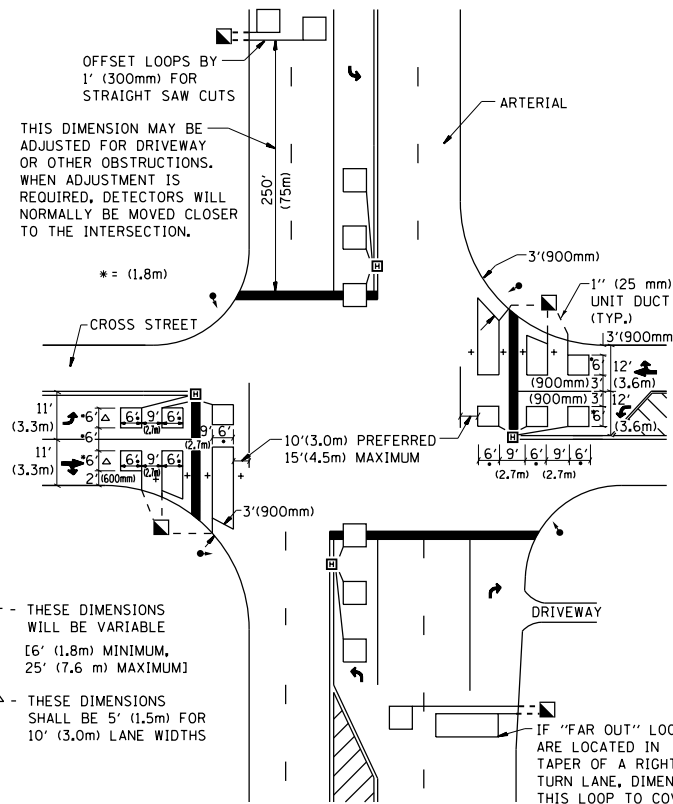


LOOPS ARE SAW-CUT TO THE EDGE OF PAVEMENT. 1" (25 mm) UNIT DUCT IS RUN BETWEEN EDGE OF PAVEMENT AND HANDHOLE. (TYP. FOR LOOPS THAT TERMINATE IN HANDHOLES OUTSIDE PAVEMENT)

STRAIGHT SAW CUTS TO HEAVY-DUTY HANDHOLE IN PAVEMENT (TYP.)

DETAIL 1
N.T.S.

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



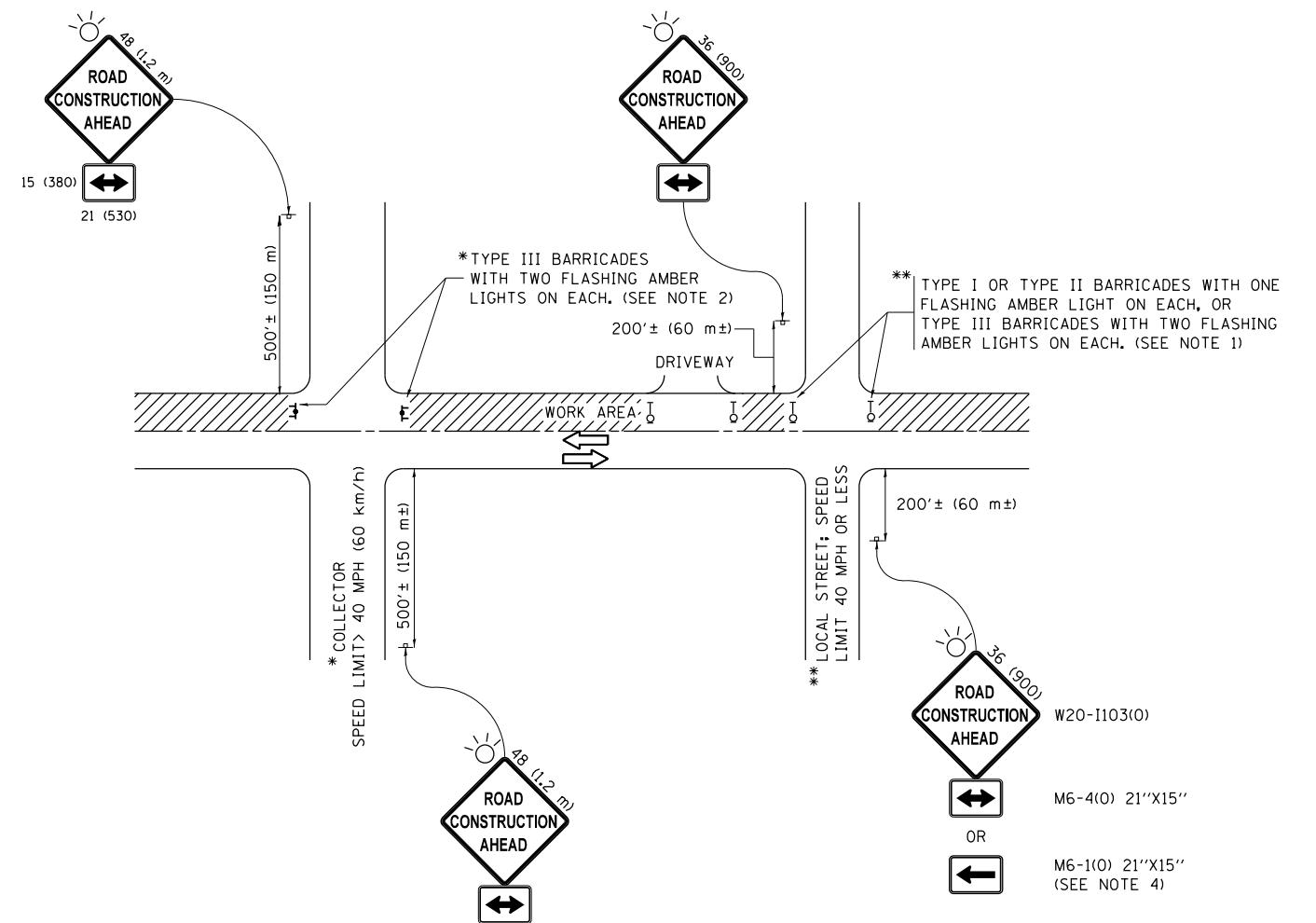
+ - THESE DIMENSIONS WILL BE VARIABLE [6' (1.8m) MINIMUM, 25' (7.6 m) MAXIMUM]

△ - THESE DIMENSIONS SHALL BE 5' (1.5m) FOR 10' (3.0m) LANE WIDTHS

IF "FAR OUT" LOOPS ARE LOCATED IN TAPER OF A RIGHT TURN LANE, DIMENSION THIS LOOP TO COVER TAPER AREA. DO NOT COVER THE LEFT TURN LANE OR LEFT TURN LANE TAPER.

DETAIL 2
N.T.S.

FILE NAME =	USER NAME = devineam	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\01427\Drawings\Design\Diststd.dgn		CHECKED - R.K.F.	REVISED -			344	(97B&3192)RS-2	COOK	54	47
PLOT SCALE = 100.0000' / in.		DATE -	REVISED -			TS-07		CONTRACT NO. 62D09		
PLOT DATE = 3/24/2017						SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA. TO STA.
						FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

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

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

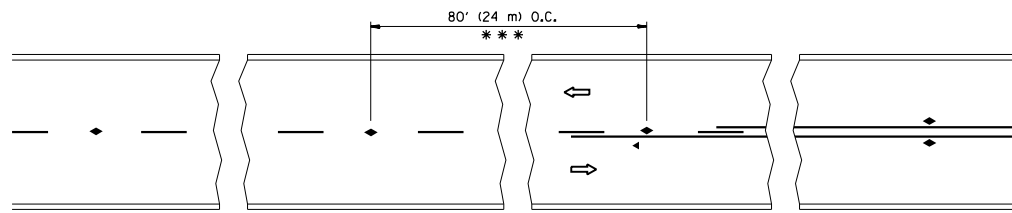
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	PLOT DATE = 3/24/2017	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

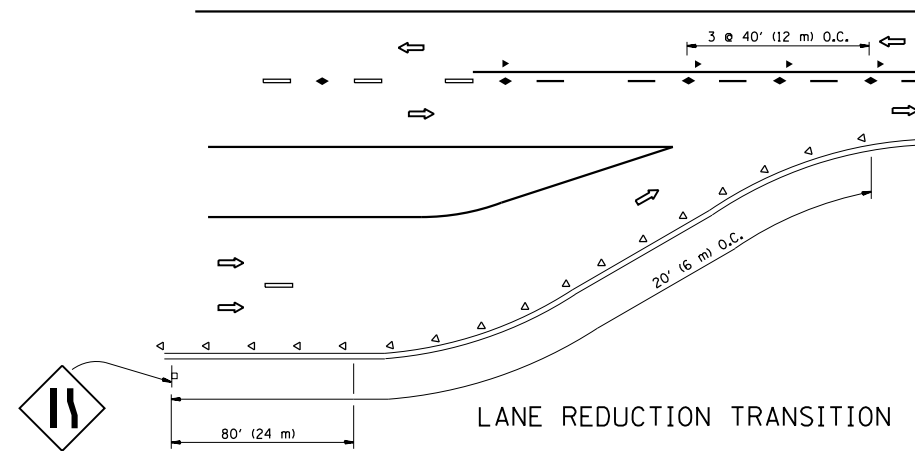
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-10			CONTRACT NO.	62D09
ILLINOIS FED. AID PROJECT				

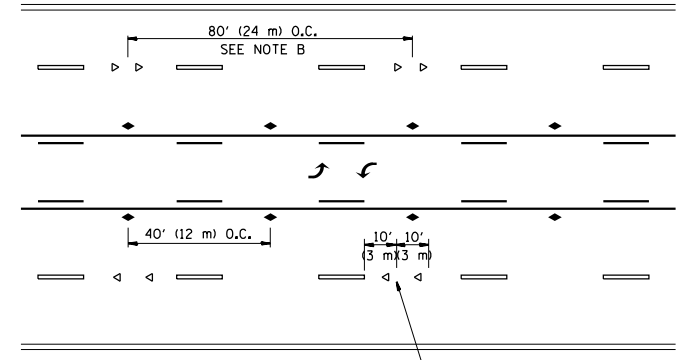


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

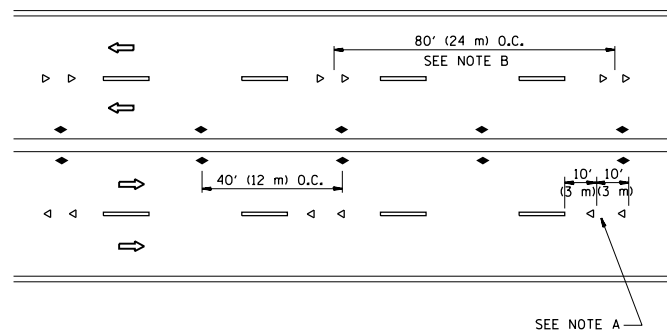
TWO-LANE/TWO-WAY



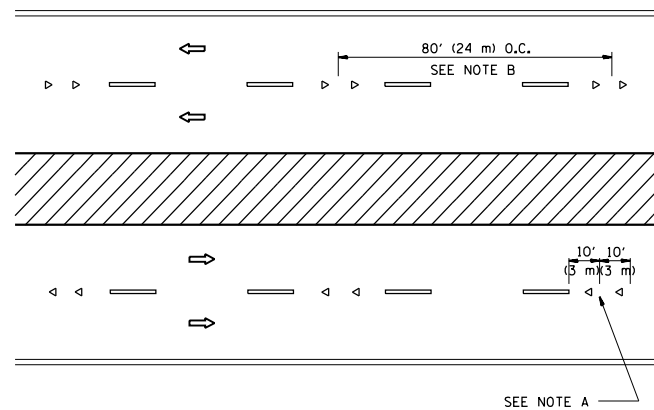
LANE REDUCTION TRANSITION



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

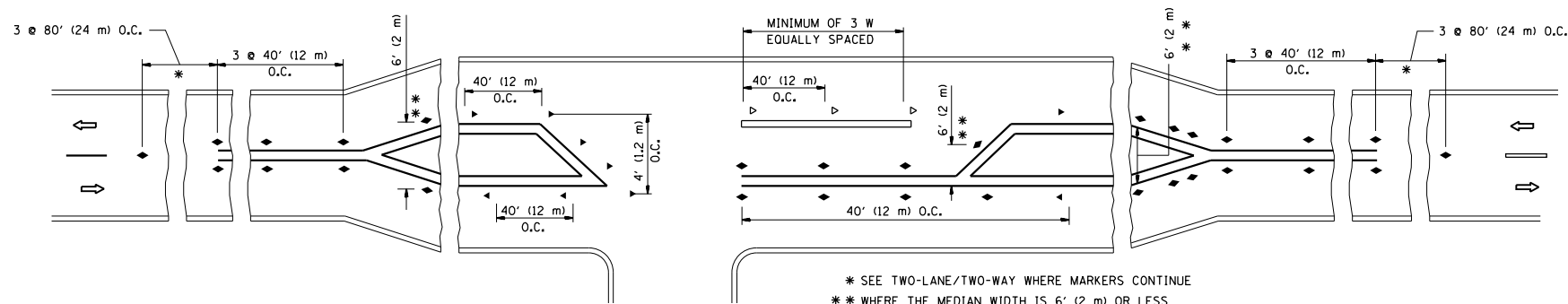
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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.

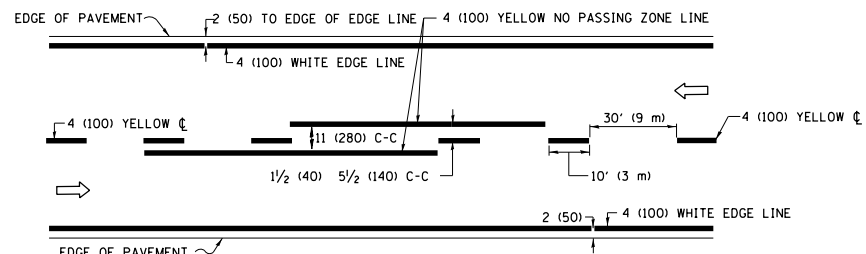


LEFT TURN

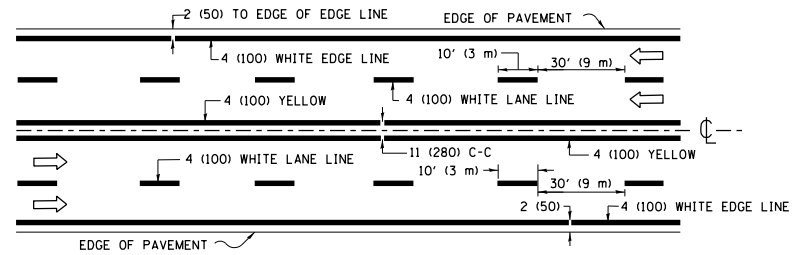
* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 ** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

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

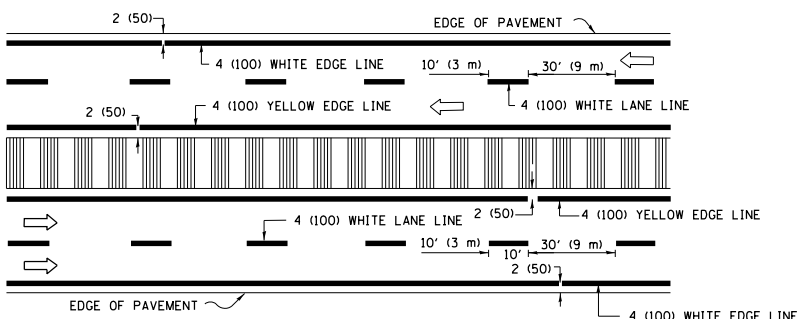
FILE NAME =	USER NAME = devineam	DESIGNED -	REVISED - T. RAMMACHER 09-19-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\1\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI427\Drawings\Design\Diststd.dgn	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - T. RAMMACHER 03-12-99					344	(97B&3192)RS-2	COOK	54	49
PLOT DATE = 3/24/2017	DATE -	REVISED - T. RAMMACHER 01-06-00	REVISED - C. JUCIUS 09-09-09		TC-11			CONTRACT NO. 62D09				
					SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

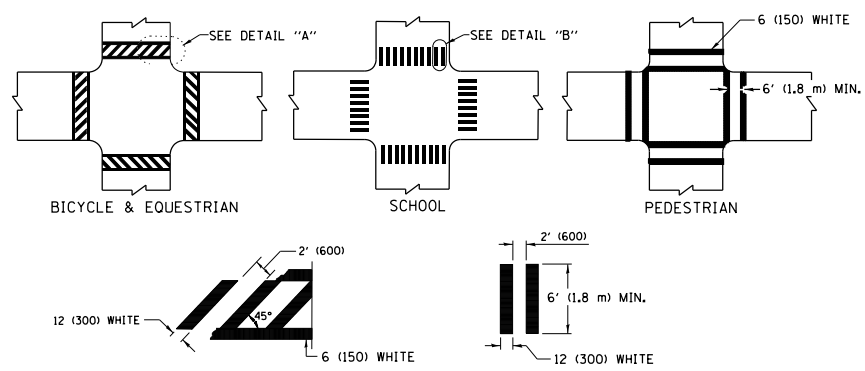


MULTI-LANE UNDIVIDED



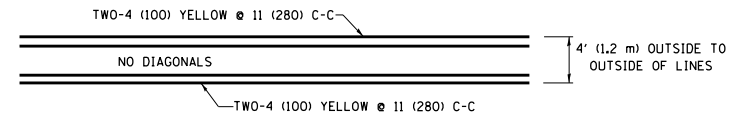
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

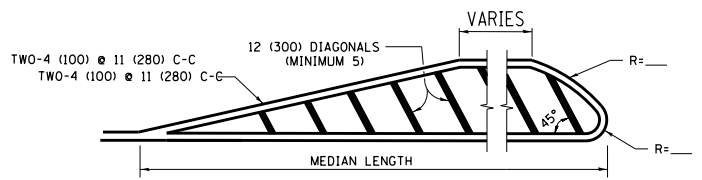


TYPICAL CROSSWALK MARKING

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

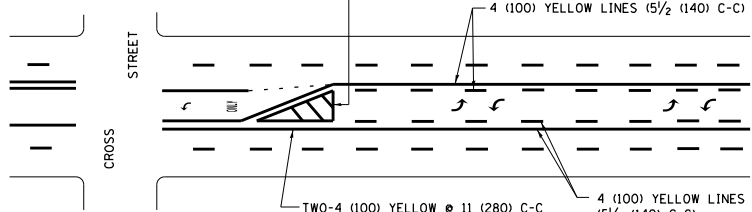


4' (1.2 m) WIDE MEDIANS ONLY



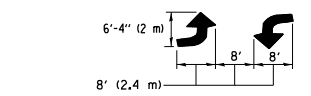
MEDIANS OVER 4' (1.2 m) WIDE

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))



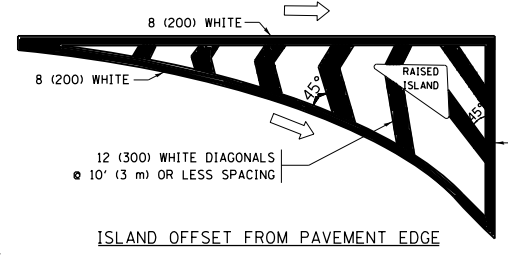
MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING

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.

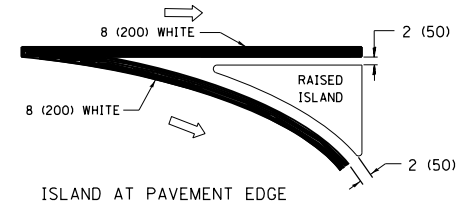


TYPICAL LEFT (OR RIGHT) TURN LANE TYPICAL TURN LANE MARKING

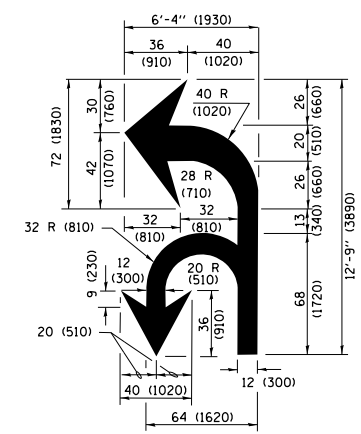
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".



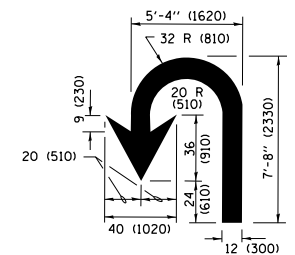
ISLAND OFFSET FROM PAVEMENT EDGE



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 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE 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 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT, OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE.
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

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

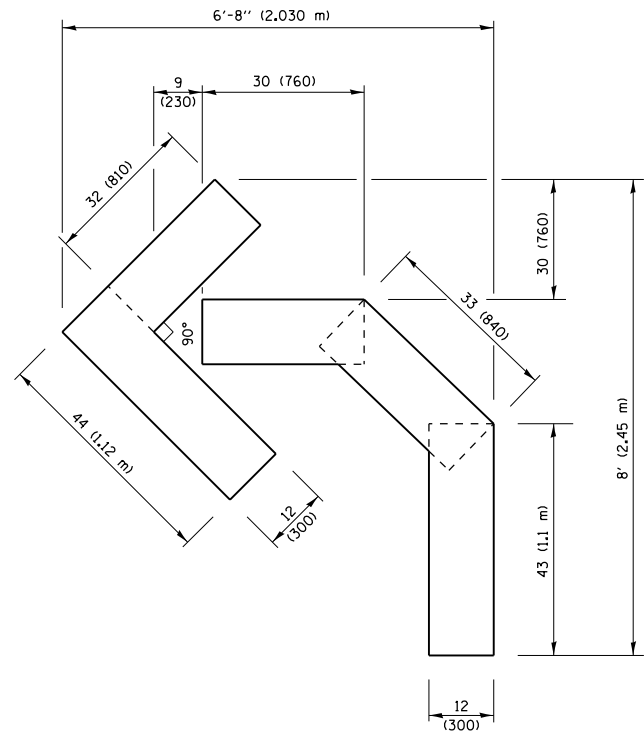
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	PLOT DATE = 3/24/2017		REVISED - C. JUCIUS 04-12-16

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE TYPICAL PAVEMENT MARKINGS

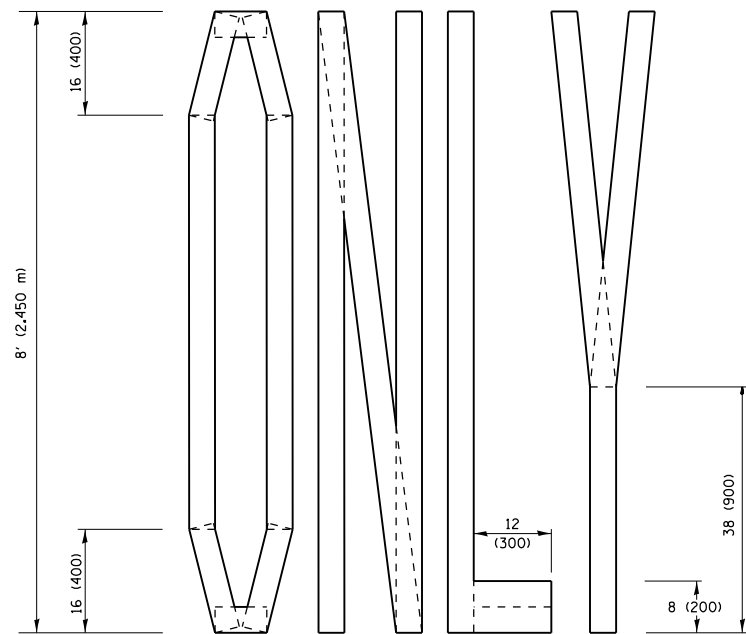
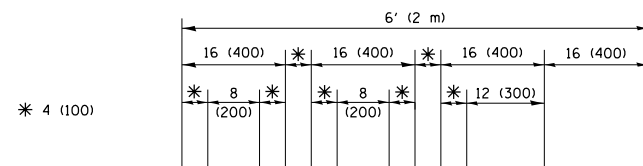
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-13		CONTRACT NO.	62D09	
ILLINOIS FED. AID PROJECT				



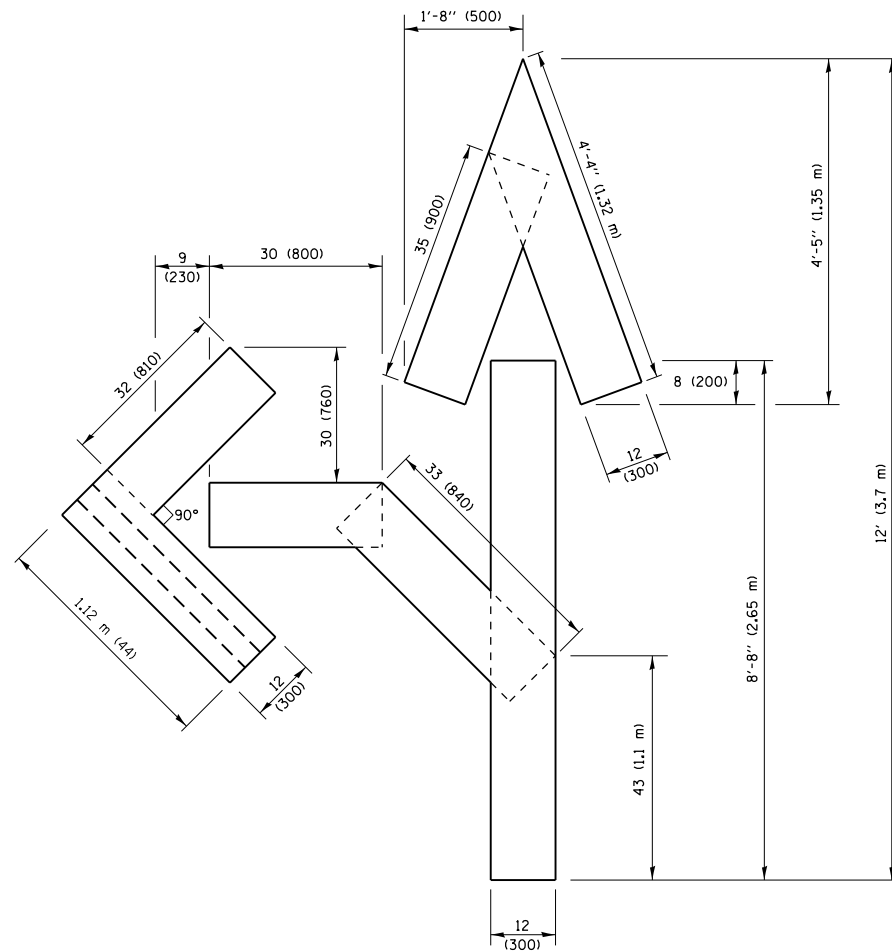
QUANTITY

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



QUANTITY

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

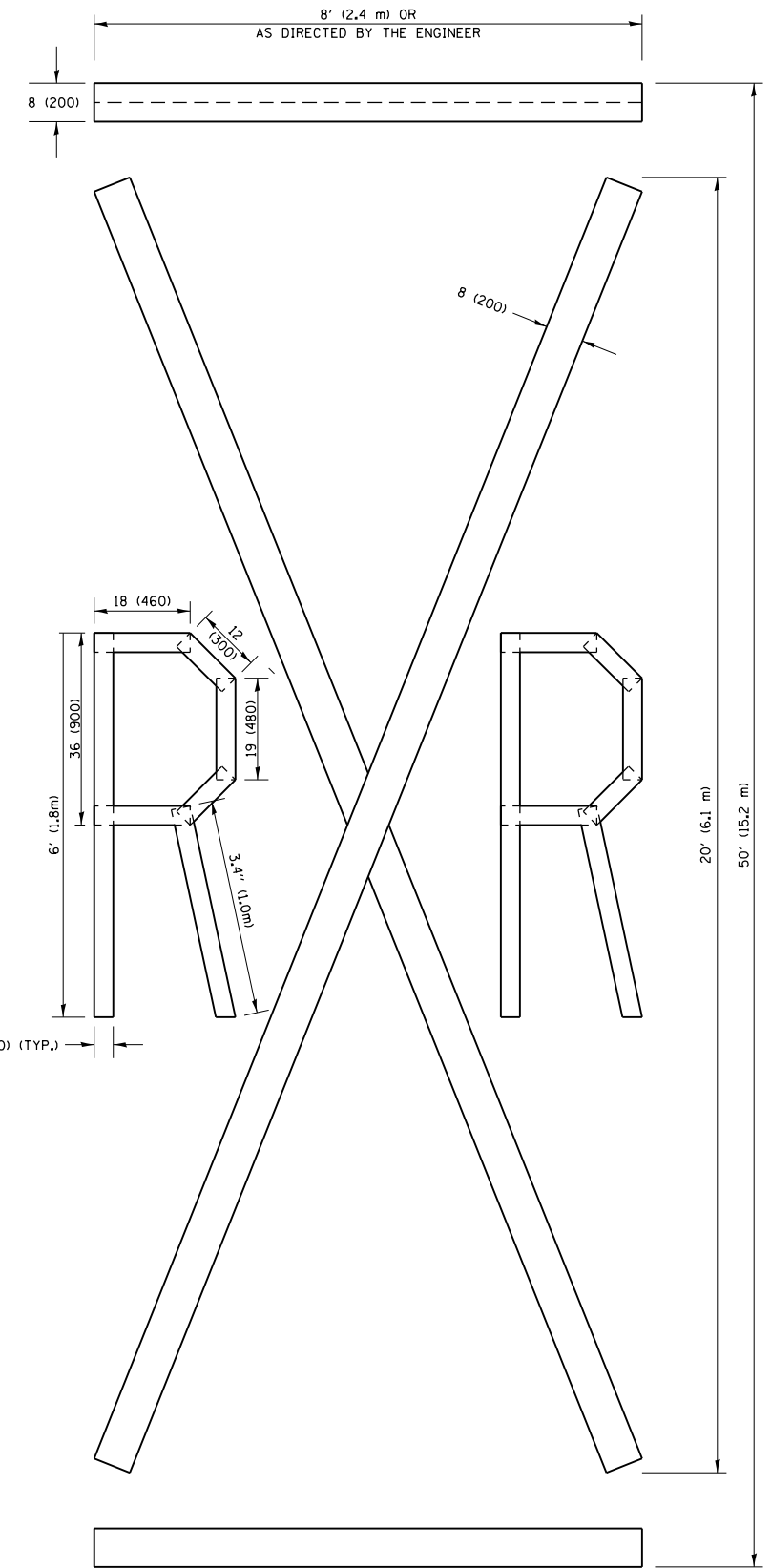


QUANTITY

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

NOTE:

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



QUANTITY

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

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

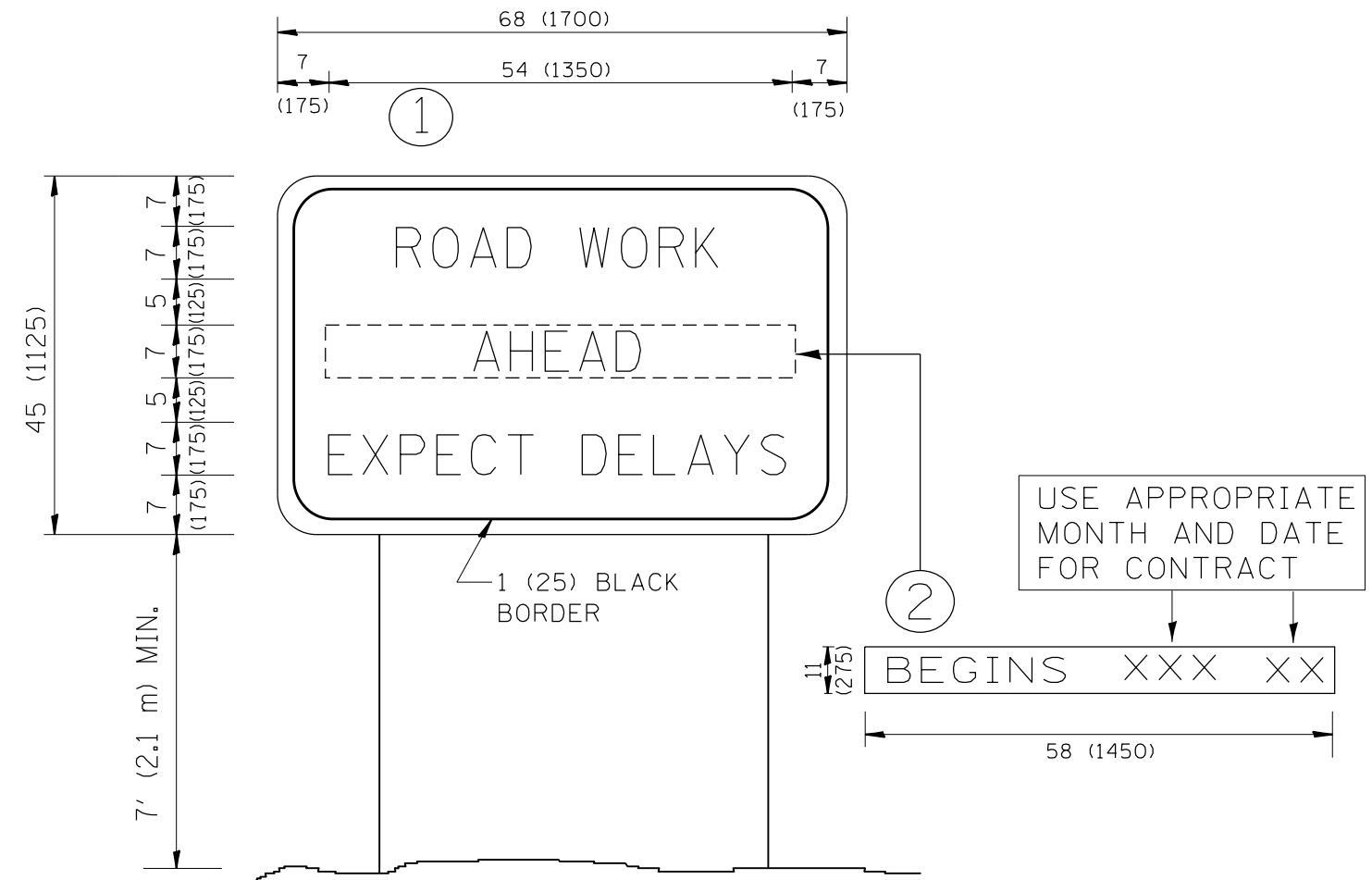
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		DATE - 09-18-94	REVISED - E. GOMEZ 08-28-00
			REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

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

F.A.P. RTE. 344	SECTION (97B&3192)RS-2	COUNTY COOK	TOTAL SHEETS 54	SHEET NO. 51
TC-16		CONTRACT NO. 62D09		
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 = devineam	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\11\084EBIDINTEG.illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\1427\Drawings\Design\Diststd.dgn		REVISOR -	REVISED - R. MIRS 12-11-97			344	(97B&3192)RS-2	COOK	54	52
		CHECKED -	REVISED - T. RAMMACHER 02-02-99			TC-22		CONTRACT NO. 62D09		
		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

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

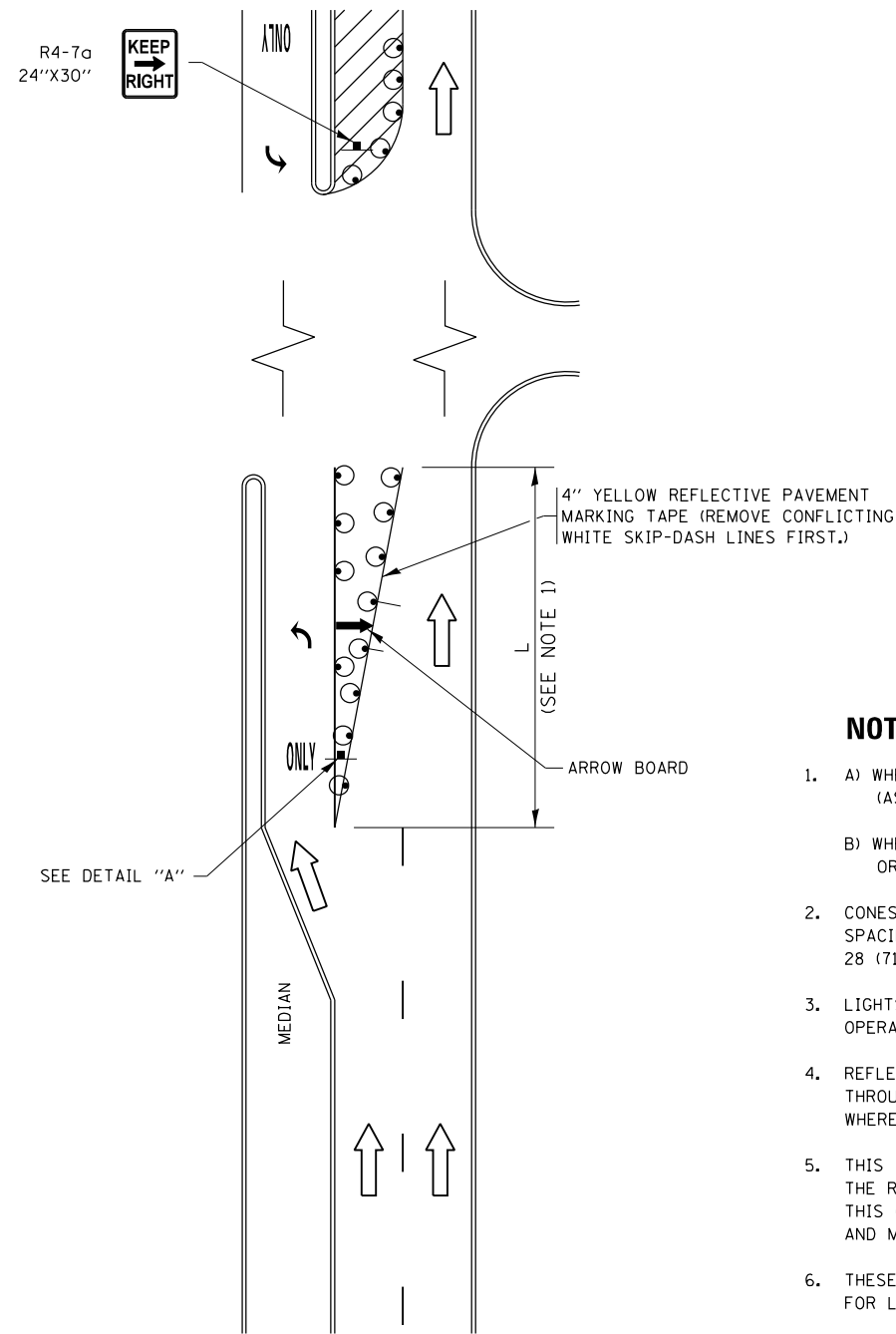


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

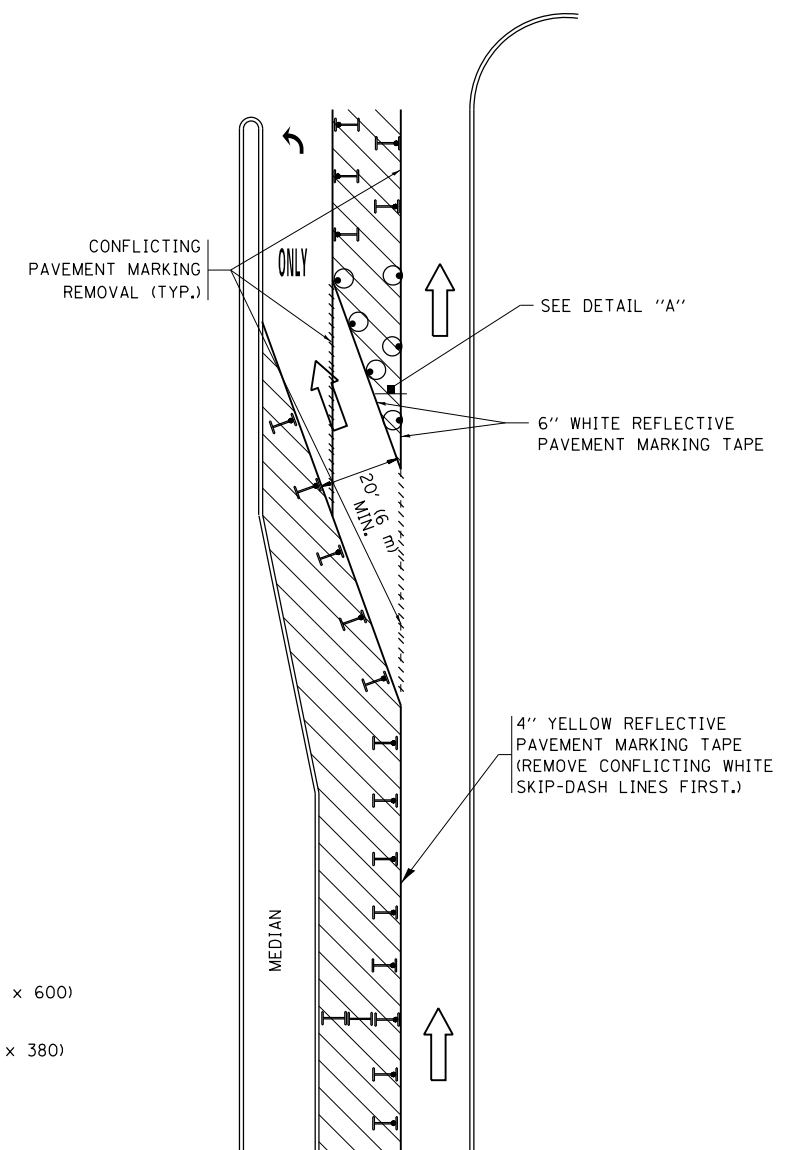


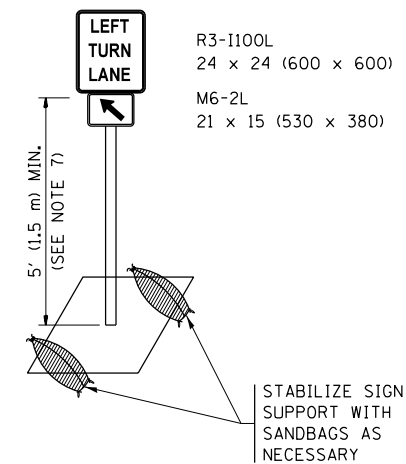
FIGURE 2

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

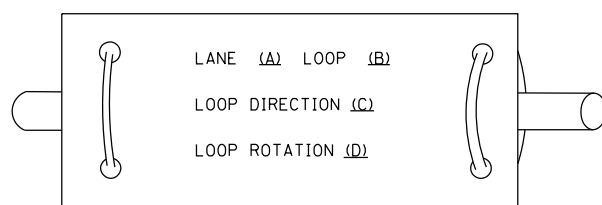
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = devineam	REVISED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\01427\REVISED Design\HOUSEH 11-07-95	REVISED - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13	REVISED - A. SCHUETZE 07-01-13			344	(97B&3192)RS-2	COOK	54	53
Default	PLOT SCALE = 100.0000' / in.	REVISED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16			TC-14		CONTRACT NO. 62D09		
	PLOT DATE = 3/27/2017	REVISED - T. RAMMACHER 01-06-00	REVISED -			SCALE: NONE		SHEET 1 OF 1 SHEETS		STA. TO STA.

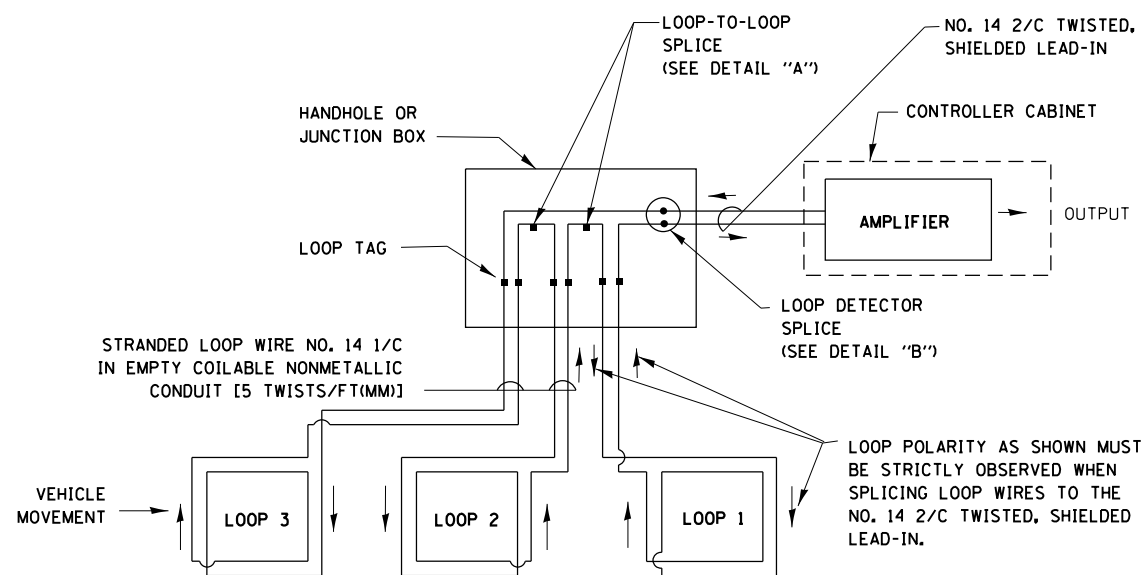
LOOP DETECTOR NOTES

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

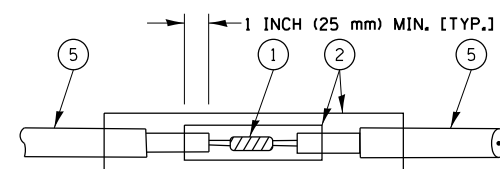


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

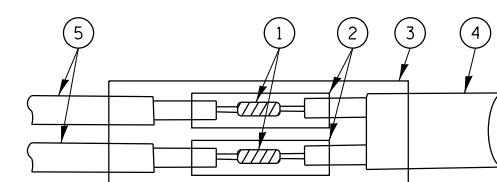


DETECTOR LOOP WIRING SCHEMATIC

- 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.

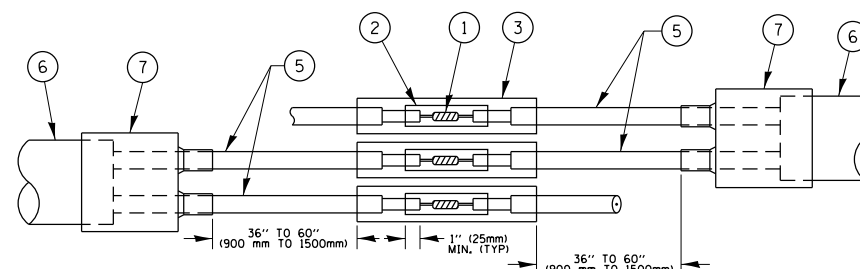


DETAIL "A"
LOOP-TO-LOOP SPLICE

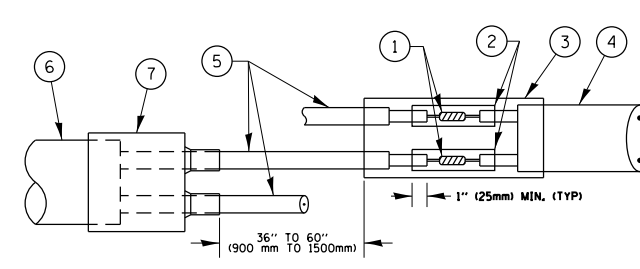


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PREFORMED 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 PREFORMED LOOP
- 7 XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS, TYCO CBR-2 OR APPROVED EQUAL