

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2937	(3076-1 & 3077) RS-1	COOK	46	1
			ILLINOIS	CONTRACT NO. 62C51

01-18-2019 LETTING ITEM 003

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

D-91-358-16

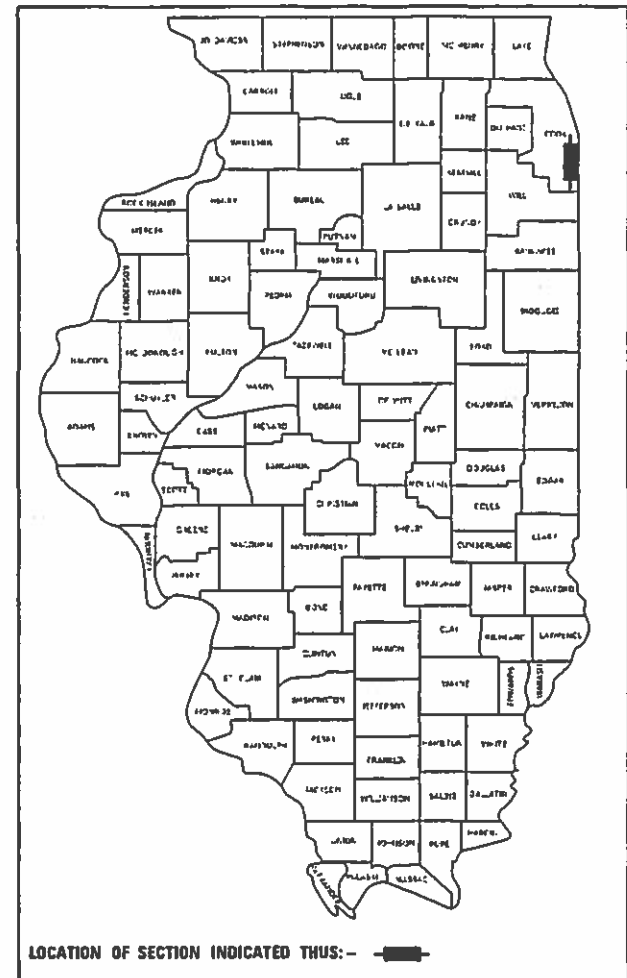
FOR INDEX OF SHEETS, SEE SHEET NO. 2

THE PROJECT IS LOCATED IN THE VILLAGES OF LYNWOOD AND LANSING

**PROPOSED
HIGHWAY PLANS**

F.A.U. 2937: IL ROUTE 83 (TORRENCE AVENUE)
GLENWOOD DYER ROAD TO SOUTH OF I-80
SECTION: (3076-1 & 3077) RS-1
RESURFACING (3P) & PEDESTRIAN RAMPS
PROJECT: STP-TW73(855)
COOK COUNTY

C-91-358-16

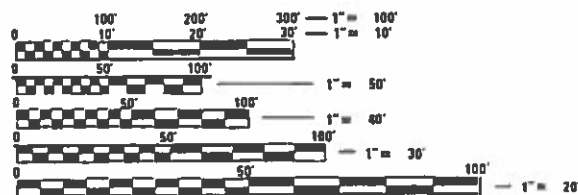


TRAFFIC DATA:

AVERAGE DAILY TRAFFIC
26,300 (2017)

POSTED SPEED:
30 - 45 MPH

HIGHWAY FUNCTIONAL CLASSIFICATION:
MINOR ARTERIAL

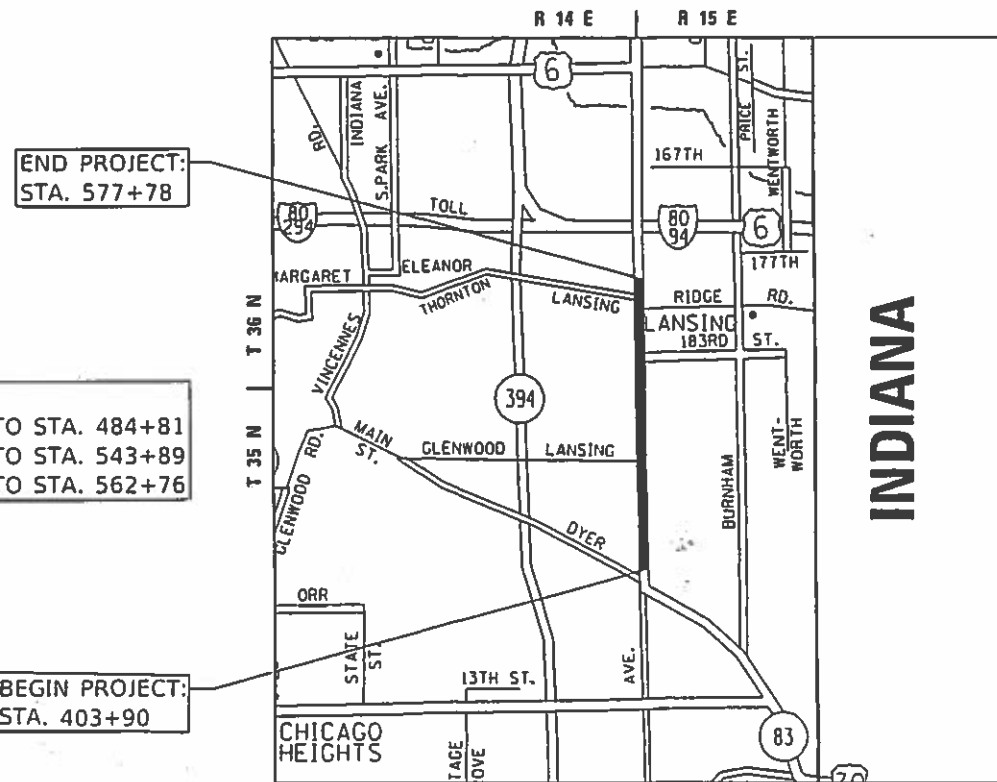


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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. 62C51



END PROJECT:
STA. 577+78

OMISSIONS:
STA. 474+10 TO STA. 484+81
STA. 543+63 TO STA. 543+89
STA. 559+05 TO STA. 562+76

BEGIN PROJECT:
STA. 403+90

GROSS LENGTH = 17388.00 FT. = 3.293 MILE
NET LENGTH = 15920.00 FT. = 3.015 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED October 16, 2018
Anthony A. Paragley / CR3
REGIONAL ENGINEER

Dec 7, 2018
ENGINEER OF DESIGN AND ENVIRONMENT

Dec 7, 2018
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

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LIST OF STATE STANDARDS

<u>STANDARD NO.</u>	<u>DESCRIPTION</u>
000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-04	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-04	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424016-05	MID-BLOCK CURB RAMPS FOR SIDEWALKS
424021-05	DEPRESSED CORNER FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
604001-04	FRAMES AND LIDS, TYPE 1
630001-12	STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
701006-05	OFF ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701011-04	OFF ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
701311-03	LANE CLOSURE 2L, 2W, MOVING OPERATIONS - DAY ONLY
701336-07	LANE CLOSURE 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS ≥ 45 MPH
701426-09	LANE CLOSURE MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS ≥ 45 MPH
701427-05	LANE CLOSURE MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS ≤ 40 MPH
701501-06	URBAN LANE CLOSURE 2L, 2W, UNDIVIDED
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
701901-08	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782006	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUT FOR DETECTOR LOOPS

FILE NAME =	USER NAME = JOHNSTONKD	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS & STANDARDS IL 83 (I-80 TO GLENWOOD DYER ROAD)	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\WLO84EBID\INTEG\Illinois.gov\PWIDOT\Documents\SI\DOT_Offices\District 1\Projects\D135816\CADData\Design\DRAWN 6-sh\ngenote.dgn		CHECKED -	REVISED -			2937	(3076-1 & 3077) R5-1	COOK	46	2	
PLOT SCALE = 100.0000 ' / in.		DATE -	REVISED -			CONTRACT NO. 62C51					
Default		PLOT DATE = 10/18/2018	REVISED -			SCALE:	SHEET	OF	SHEETS	STA.	TO

GENERAL NOTES

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOUR NOTIFICATION IS REQUIRED).
2. TEN (10) FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTER AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.
3. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGES OF LYNWOOD AND LANSING.
4. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
5. 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.
6. 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.
7. WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1½ INCHES (40 MM) WHERE THE SPEED LIMIT IS 45 MPH (45 KM/H) OR LESS AND 1 INCH WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH (45 KM/H). WITH WRITTEN APPROVAL FROM THE ENGINEER A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H).
8. BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
9. THE THICKNESS OF THE HMA MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA MIXTURE IS PLACED.
10. THE ENGINEER SHALL CONTACT THE AREA TRAFFIC FIELD ENGINEER, AT PATRICE.HARRIS@ILLINOIS.GOV, A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKING.
11. THE RESIDENT ENGINEER SHALL VERIFY ALL EXISTING PAVEMENT MARKINGS BEFORE MILLING.
12. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKING SHALL BE AS DIRECTED BY THE ENGINEER.
13. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
14. ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
15. LOCATION OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
16. DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
17. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
18. FRAMES AND LIDS ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
19. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
20. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
21. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED ACCORDING TO IDOT'S DETAIL TC-11.
22. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES DURING CONSTRUCTION.
23. THESE PLANS HAVE BEEN PREPARED FROM NOTES RECEIVED FROM THE BUREAU OF MAINTENANCE AND CONSTRUCTION.
24. 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 SEPARATE PAY ITEM HAS BEEN PROVIDED.
25. PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES THE REMOVAL OF PAVEMENT MARKING TAPE, TYPE III SHALL BE PAID FOR AS SHORT TERM PAVEMENT MARKING REMOVAL.
26. OVERNIGHT LANE CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURES AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS.
27. CONTACT THE IDOT ROADSIDE DEVELOPMENT UNIT AT (847) 705-4171 AT LEAST 2 WEEKS PRIOR TO BEGINNING FORESTRY WORK FOR LAYOUT.

FILE NAME = pww\1084EBIDINTEG\Illinois.gov\PIDOT\Documents\IDOT_Offices\District 1\Projects\135816\CADDData\Desig\DRAWN6-shf-gennote.dgn	USER NAME = JOHNSTONKD	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES IL 83 (I-80 TO GLENWOOD DYER ROAD)	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -			2937	(3076-1 & 3077) RS-1	COOK	46	3
Default	PLOT DATE = 10/18/2018	DATE -	REVISED -	SCALE: SHEET OF SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT CONTRACT NO. 62C51				

URBAN

URBAN

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		0005 ROADWAY 80% FEDERAL 20% STATE					
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	75	75					
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	18	18					
20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	15	15					
20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	15	15					
20200100	EARTH EXCAVATION	CU YD	41	41					
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	30	30					
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	76	76					
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	76	76					
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	76	76					
25100115	MULCH, METHOD 2	ACRE	0.8	0.8					
25200110	SODDING, SALT TOLERANT	SO YD	265	265					
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SO YD	57	57					
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	49510	49510					
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	109	109					

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		0005 ROADWAY 80% FEDERAL 20% STATE					
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), 1L-4.75, N50	TON	3002	3002					
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	432	432					
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	6	6					
40603565	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70	TON	7131	7131					
42001300	PROTECTIVE COAT	SO YD	1495	1495					
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	7767	7767					
* 42400800	DETECTABLE WARNINGS	SO FT	383	383					
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SO YD	72763	72763					
44000200	DRIVEWAY PAVEMENT REMOVAL	SO YD	57	57					
44000600	SIDEWALK REMOVAL	SO FT	7118	7118					
44201789	CLASS D PATCHES, TYPE II, 12 INCH	SO YD	840	840					
44201794	CLASS D PATCHES, TYPE III, 12 INCH	SO YD	483	483					

FILE NAME =	USER NAME = JOHNSTONWD	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES IL 83 (I-80 TO GLENWOOD DYER ROAD)	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\N\LOB\EBID\INT\EG\Illinois.gov\PW\DOT\Documents\DOT	Offices\District\Projects\DI35816\CADD\Design\DI35816	DRAWN -	REVISED -			2937	(3076-1 & 3077) RS-1	COOK	46	4	
		CHECKED -	REVISED -			CONTRACT NO. 62C51					
		DATE -	REVISED -			SCALE:	SHEET NO. 1 OF 4 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

URBAN

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		0005 ROADWAY 80% FEDERAL 20% STATE					
44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SO YD	2612	2612					
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	668	668					
60266600	VALVE BOXES TO BE ADJUSTED	EACH	4	4					
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	3	3					
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	1	1					
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	1	1					
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2	2					
63200310	GUARDRAIL REMOVAL	FOOT	100	100					
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	41	41					
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1					
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	1					
* 66901002	ON-SITE MONITORING OF REGULATED SUBSTANCES	CAL DA	3	3					
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	1					
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12					

URBAN

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		0005 ROADWAY 80% FEDERAL 20% STATE					
67100100	MOBILIZATION	LSUM	1	1					
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	LSUM	1	1					
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	LSUM	1	1					
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	LSUM	1	1					
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	LSUM	1	1					
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	27672	27672					
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	9224	9224					

* SPECIALTY ITEM
NON-PARTICIPATING ITEM (100% STATE)

FILE NAME =	USER NAME = JOHNSTOWN	DESIGNED -	REVISED -
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	PLOT SCALE = 100,0000' / 1in	CHECKED -	REVISED -
	PLOT DATE = 10/19/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
IL 83 (I-80 TO GLENWOOD DYER ROAD)**

SCALE: SHEET NO. 2 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2937	(3076-1 & 3077) RS-1	COOK	46	5
CONTRACT NO. 62C51				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

URBAN

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SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		0005 ROADWAY 80% FEDERAL 20% STATE				
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SO FT	819	819				
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	53917	53917				
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	4117	4117				
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	626	626				
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	582	582				
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	6918	6918				
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	5	5				
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	819	819				
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	53917	53917				
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	4117	4117				
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	626	626				
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	582	582				

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		0005 ROADWAY 80% FEDERAL 20% STATE				
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1234	1234				
* 78200006	GUARDRAIL REFLECTORS, TYPE B	EACH	13	13				
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1111	1111				
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1	1				
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	2333	2333				
* 89500400	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	9	9				
* 89502376	REBUILD EXISTING HANDHOLE	EACH	1	1				
X0320050	CONSTRUCTION LAYOUT (SPECIAL)	LSUM	1	1				
X2010350	TREE REMOVAL, ACRES (SPECIAL)	ACRE	0.8	0.8				
X2020110	GRADING AND SHAPING SHOULDERS	UNIT	167	167				
X2502014	SEEDING, CLASS 4A (MODIFIED)	ACRE	0.8	0.8				
# X5420608	PIPE CULVERTS TO BE CLEANED 8"	FOOT	20	20				
# X5420612	PIPE CULVERTS TO BE CLEANED 12"	FOOT	110	110				
# X5420615	PIPE CULVERTS TO BE CLEANED 15"	FOOT	70	70				

* SPECIALTY ITEM
NON-PARTICIPATING ITEM (100% STATE)

FILE NAME =	USER NAME = JOHNSTOWN	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES IL 83 (I-80 TO GLENWOOD DYER ROAD)	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\N\LOB\EBID\INT\EG\Illinois.gov\FWIDOT\Documents\DOT	Offices\District\N\Projects\DI35816\CADD\Design\DI35816	DRAWN -	REVISED -			2937	(3076-1 & 3077) RS-1	COOK	46	6	
		CHECKED -	REVISED -			CONTRACT NO. 62C51					
		DATE -	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					

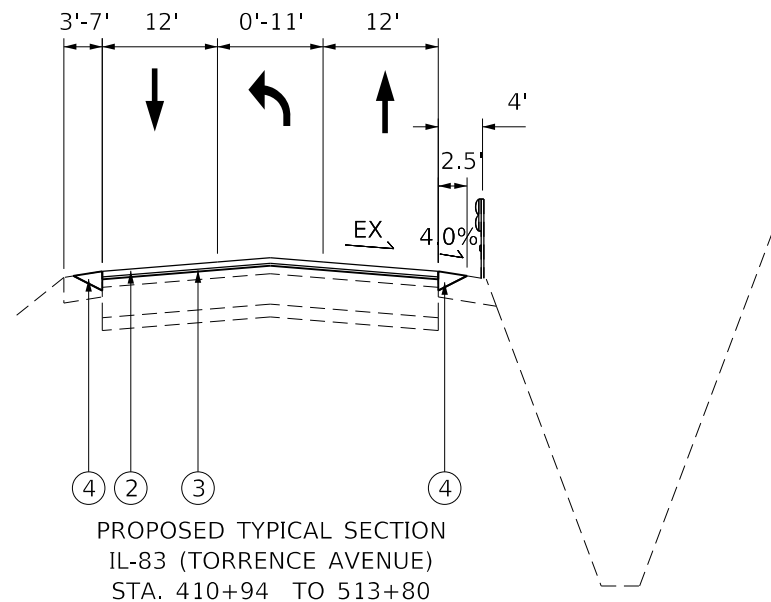
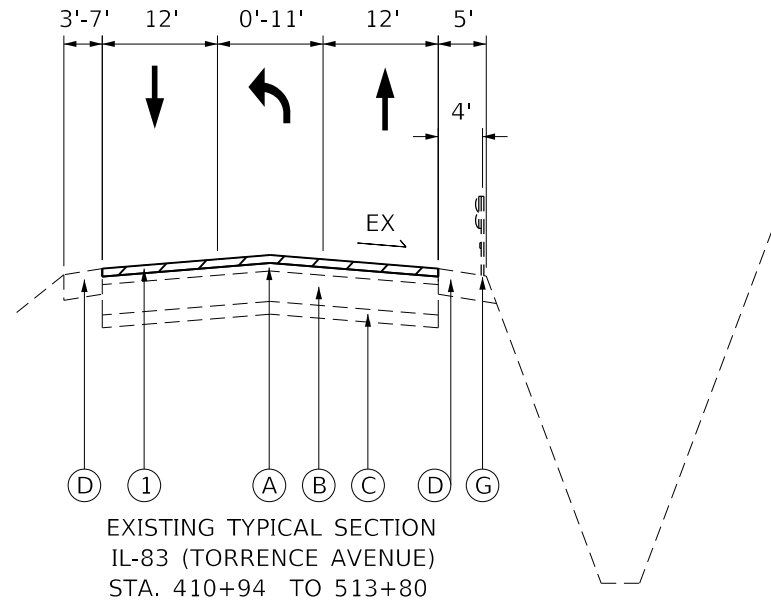
SCALE: SHEET NO. 3 OF 4 SHEETS STA. TO STA.

* LOCATIONS TO BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER

** AT LOCATION SHOWN IN THE PLANS

LEGEND

- (A) EXISTING HMA SURFACE COURSE, 5"
- (B) EXISTING P.C.C PAVEMENT, 9.5"
- (C) EXISTING SUB-BASE GRANULAR MATERIAL
- (D) EXISTING AGGREGATE SHOULDER
- (E) EXISTING CURB AND GUTTER
- (F) EXISTING SIDEWALK, 5"
- (G) EXISTING GUARDRAIL
- (1) PROPOSED HMA SURFACE REMOVAL, 2 1/2"
- (2) PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 1 3/4"
- (3) PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- (4) PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- * (5) PROPOSED COMBINATON CONCRETE CURB & GUTTER REMOVAL AND REPLACEMENT
- ** (6) PROPOSED SIDEWALK



HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	AIR VOIDS (%) @ Ndes	QUALITY MANAGEMENT
PAVEMENT RESURFACING		
POLYMERIZED HMA SURFACE COURSE, MIX "E", N70, (IL-9.5 MM), 1 3/4"	4% @ 70 GYR.	QCP
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"	3.5% @ 50 GYR.	QCP
PATCHING		
CLASS D PATCHES (HMA BINDER IL-19.0 MM)	4% @ 70 GYR.	QC/QA
DRIVEWAYS		
HMA SURFACE COURSE, MIX "D", N50, (IL-9.5 MM), 2" (HMA C.E. & F.E.)	4% @ 50 GYR.	QC/QA
HMA BASE COURSE, 8" (HMA BINDER IL-19.0 MM) (HMA C.E.)	4% @ 50 GYR.	QC/QA
QMP DESIGNATION: QUALIY CONTROL/QUALITY ASSURANCE (QC/QA), QUALITY CONTROL FOR PERFORMANCE (QCP).		

- NOTE 1: THE UNIT WEIGHT USED TO CALCULATE ALL SURFACE HOT-MIX ASPHALT MIXTURE QUANTITIES IS 112 LBS/SQYD/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 DISTRIC ONE SPECIAL PROVISIONS.
- NOTE 3: FOR USE OF RECYCLED MATERIALS, SEE DISTRICT ONE SPECIAL PROVISION.
- NOTE 4: QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.
- NOTE 5: THE CONTRACTOR SHALL MILL FIRST BEFORE PATCHING

MODEL: Default
FILE: \\nas01c.pva\illinois\B&E\BID\ITEC\Illinois\gov\p\WIDOT\Documents\BID\Office\BID\Irtct_1\Projects\ID1359\B\CADD\BID\Defgn\ID1359_16-shr-typlcal.dgn

USER NAME = JOHNSTONKD	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/18/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING AND PROPOSED TYPICAL SECTIONS IL 83 (I-80 TO GLENWOOD DYER ROAD)			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

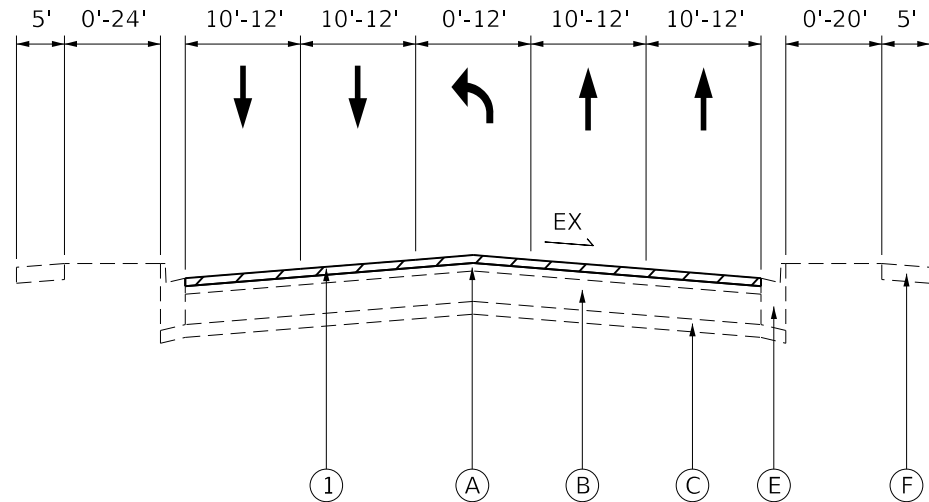
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2937	(3076-1 & 3077)	COOK	46	8
CONTRACT NO. 62C51				
		ILLINOIS	FED. AID PROJECT	

* LOCATIONS TO BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER

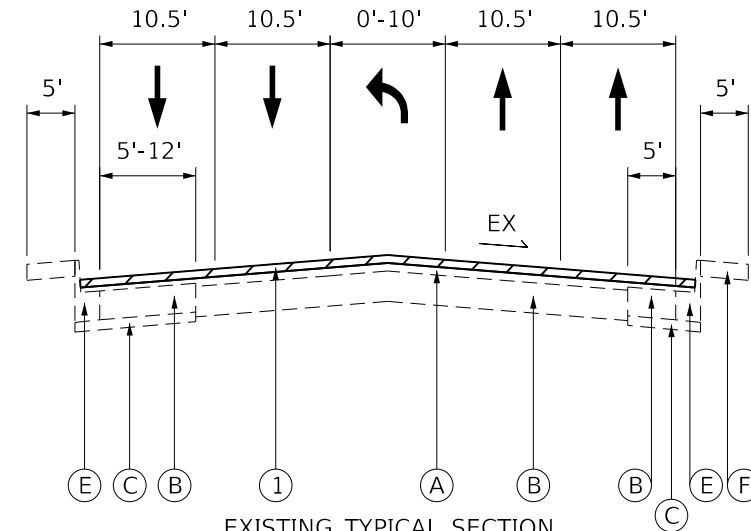
** AT LOCATION SHOWN IN THE PLANS

LEGEND

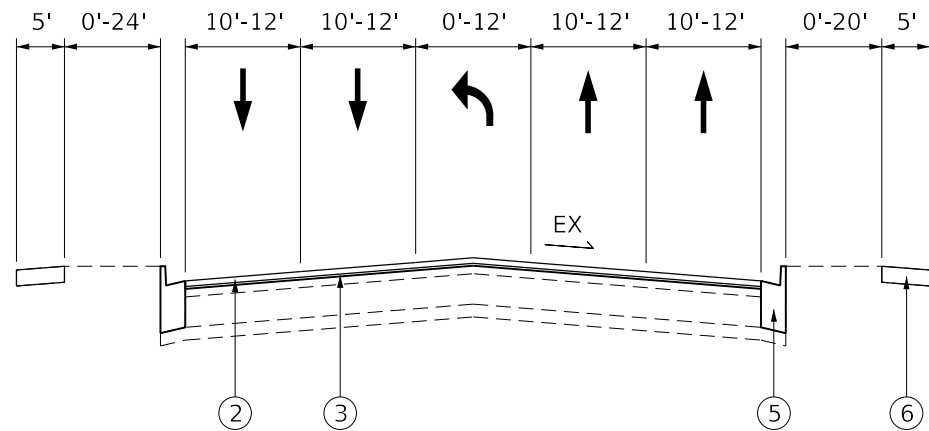
- (A) EXISTING HMA SURFACE COURSE, 5"
- (B) EXISTING P.C.C PAVEMENT, 9.5"
- (C) EXISTING SUB-BASE GRANULAR MATERIAL
- (D) EXISTING AGGREGATE SHOULDER
- (E) EXISTING CURB AND GUTTER
- (F) EXISTING SIDEWALK, 5"
- (G) EXISTING GUARDRAIL
- (1) PROPOSED HMA SURFACE REMOVAL, 2 1/2"
- (2) PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 1 3/4"
- (3) PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- (4) PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- * (5) PROPOSED COMBINATON CONCRETE CURB & GUTTER REMOVAL AND REPLACEMENT
- ** (6) PROPOSED SIDEWALK



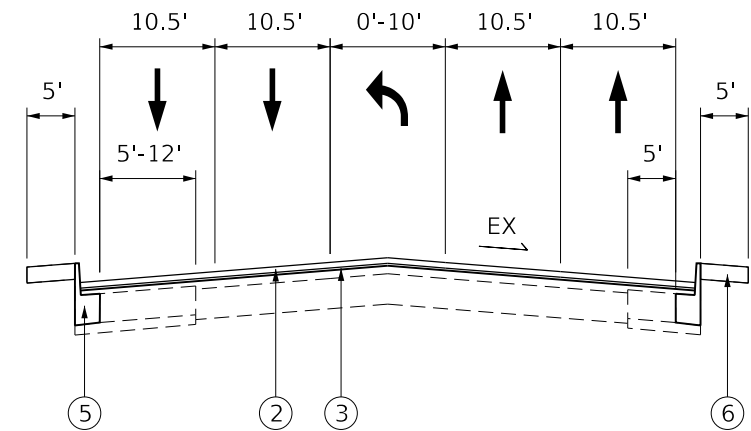
EXISTING TYPICAL SECTION
IL-83 (TORRENCE AVENUE)
STA. 513+80 TO 543+54
RT. STA. 550+57 TO 553+58
RT. STA. 567+05 TO 577+78
LT. STA. 566+71 TO 577+78



EXISTING TYPICAL SECTION
IL-83 (TORRENCE AVENUE)
LT. STA. 543+97 TO 566+71
RT. STA. 543+97 TO 550+57
RT. STA. 553+58 TO 567+05



PROPOSED TYPICAL SECTION
IL-83 (TORRENCE AVENUE)
STA. 513+80 TO 543+54
RT. STA. 550+57 TO 553+58
RT. STA. 567+05 TO 577+78
LT. STA. 566+71 TO 577+78



PROPOSED TYPICAL SECTION
IL-83 (TORRENCE AVENUE)
LT. STA. 543+97 TO 566+71
RT. STA. 543+97 TO 550+57
RT. STA. 553+58 TO 567+05

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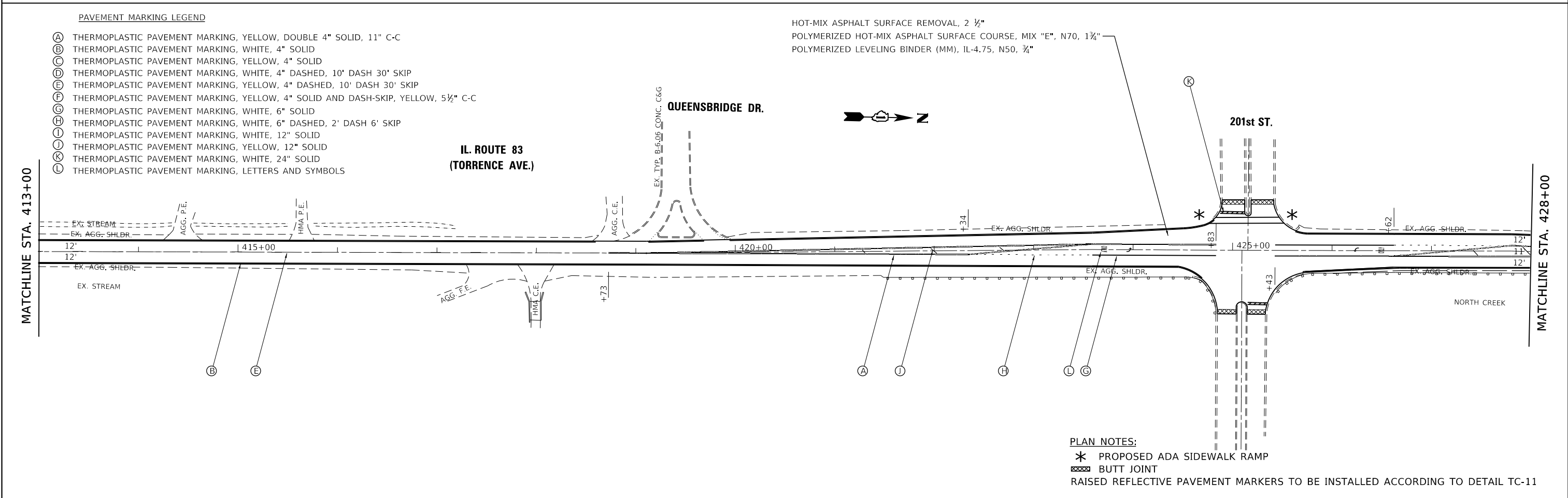
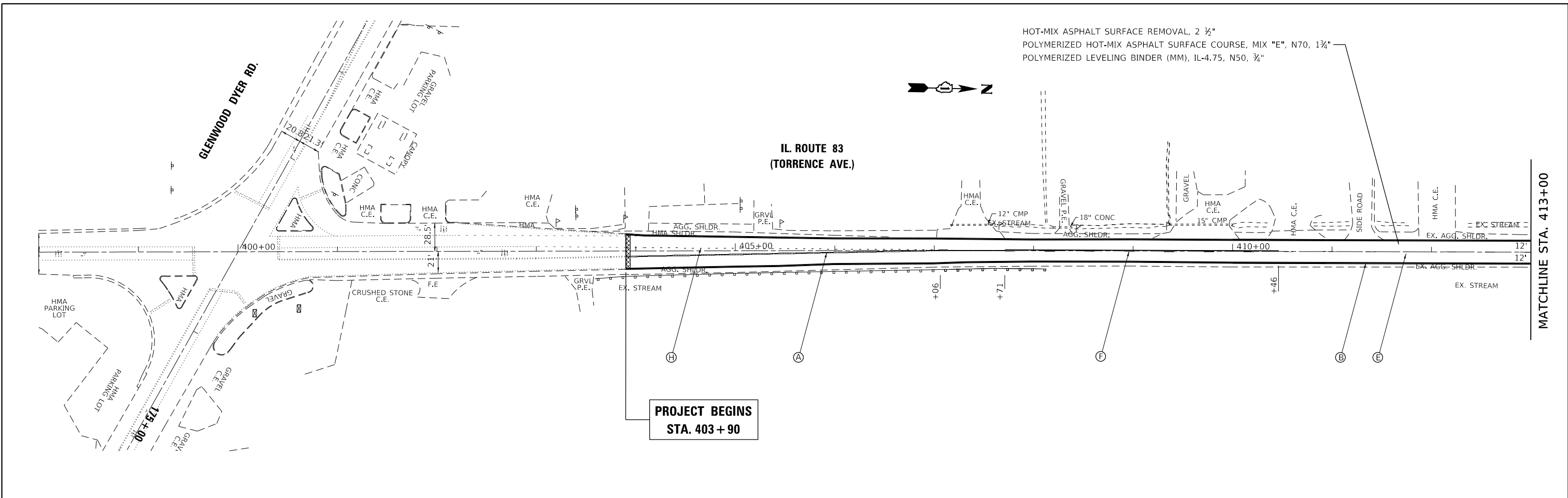
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	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/18/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED TYPICAL SECTIONS
IL 83 (I-80 TO GLENWOOD DYER ROAD)**

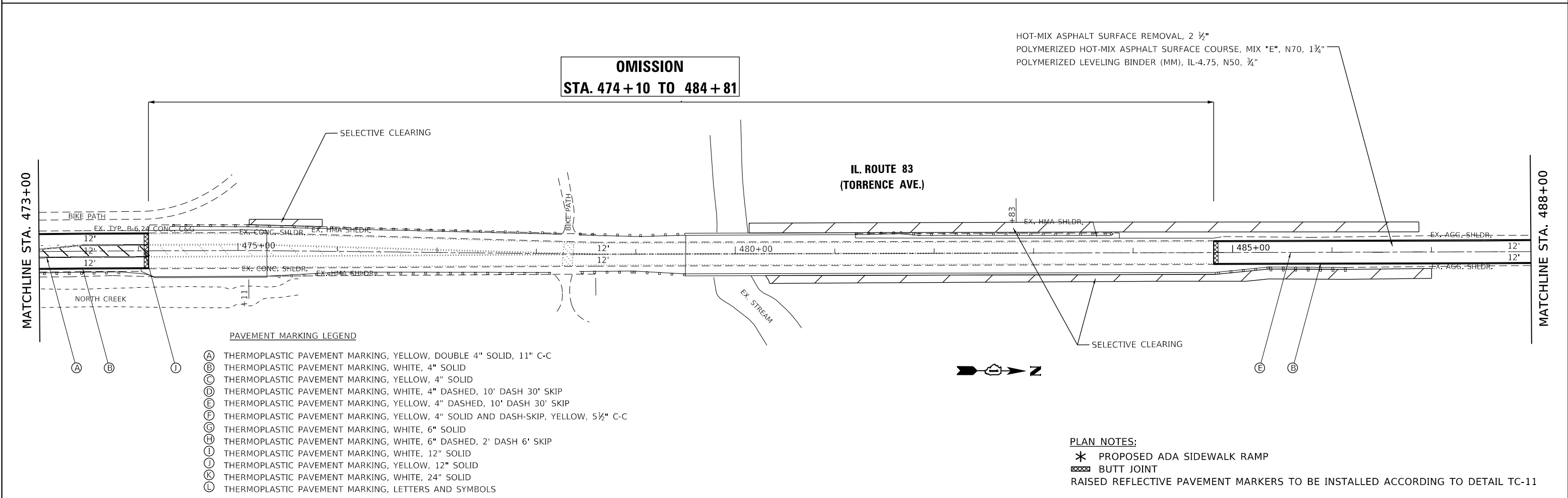
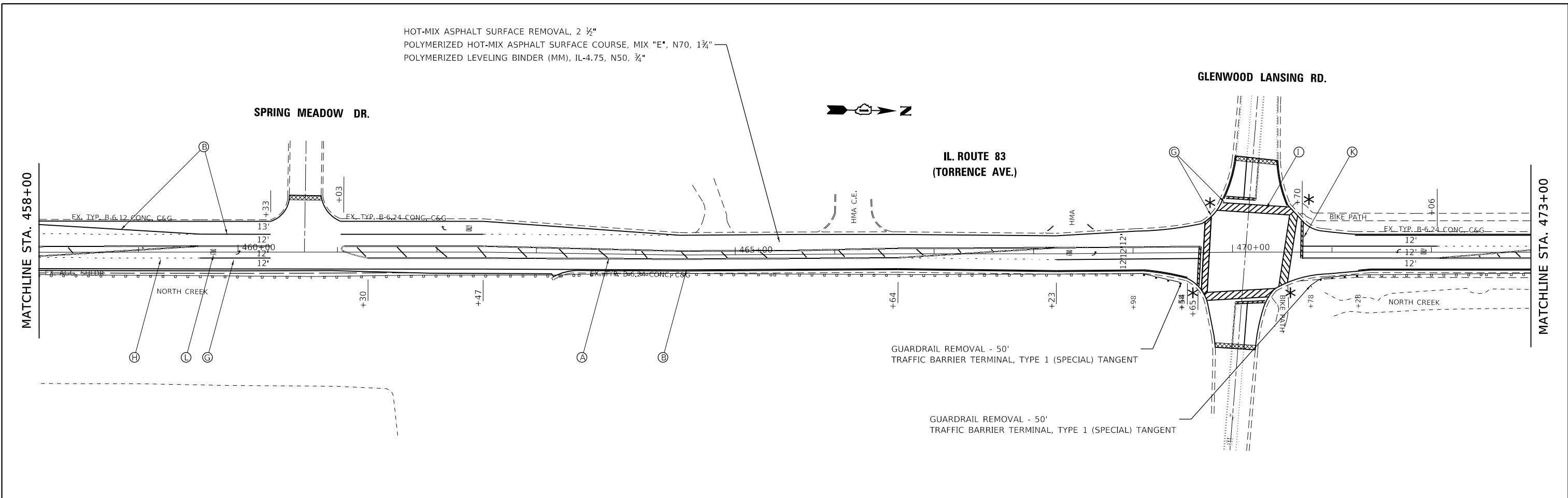
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2937	(3076-1 & 3077)	COOK	46	9
CONTRACT NO. 62C51				
ILLINOIS FED. AID PROJECT				



- PAVEMENT MARKING LEGEND**
- Ⓐ THERMOPLASTIC PAVEMENT MARKING, YELLOW, DOUBLE 4" SOLID, 11" C-C
 - Ⓑ THERMOPLASTIC PAVEMENT MARKING, WHITE, 4" SOLID
 - Ⓒ THERMOPLASTIC PAVEMENT MARKING, YELLOW, 4" SOLID
 - Ⓓ THERMOPLASTIC PAVEMENT MARKING, WHITE, 4" DASHED, 10' DASH 30' SKIP
 - Ⓔ THERMOPLASTIC PAVEMENT MARKING, YELLOW, 4" DASHED, 10' DASH 30' SKIP
 - Ⓕ THERMOPLASTIC PAVEMENT MARKING, YELLOW, 4" SOLID AND DASH-SKIP, YELLOW, 5 1/2" C-C
 - Ⓖ THERMOPLASTIC PAVEMENT MARKING, WHITE, 6" SOLID
 - Ⓗ THERMOPLASTIC PAVEMENT MARKING, WHITE, 6" DASHED, 2' DASH 6' SKIP
 - Ⓘ THERMOPLASTIC PAVEMENT MARKING, WHITE, 12" SOLID
 - Ⓚ THERMOPLASTIC PAVEMENT MARKING, YELLOW, 12" SOLID
 - Ⓛ THERMOPLASTIC PAVEMENT MARKING, WHITE, 24" SOLID
 - Ⓜ THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS

FILE NAME =	USER NAME = JOHNSTONKD	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN IL 83 (I-80 TO GLENWOOD DYER ROAD)	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pwz\IL084EBID\INTEG.illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\135816\CADDData\Design\DRAWN 6-shr-plan.dgn		CHECKED -	REVISED -			2937	(3076-1 & 3077) RS-1	COOK	46	10	
Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -			CONTRACT NO. 62C51					
	PLOT DATE = 10/18/2018					ILLINOIS FED. AID PROJECT					

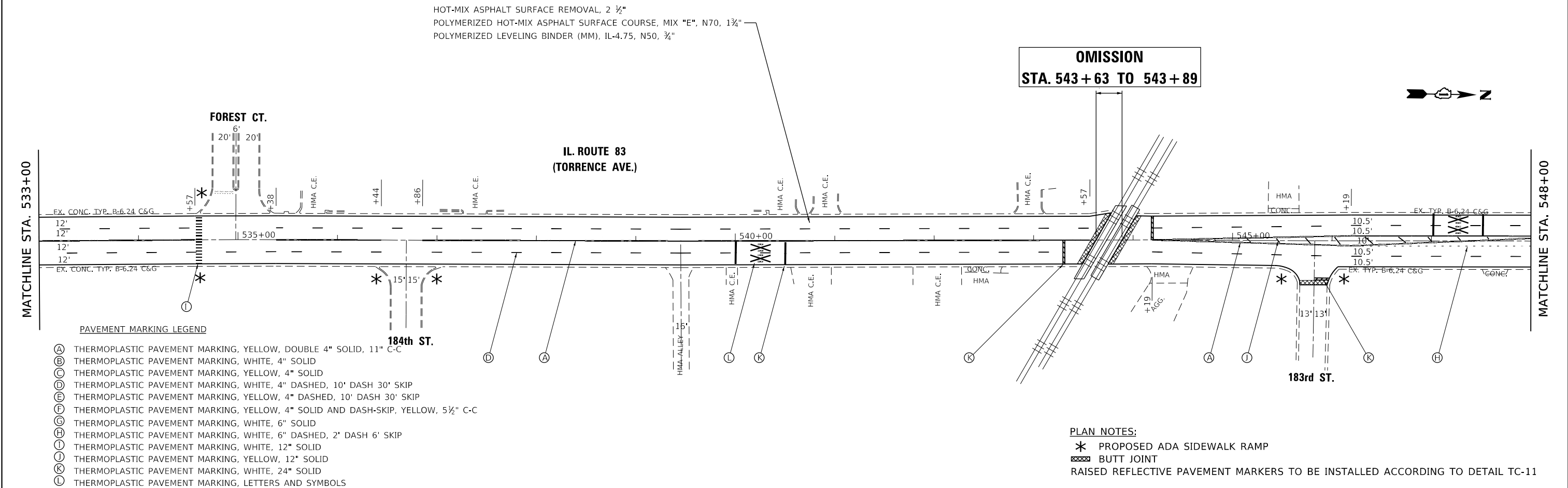
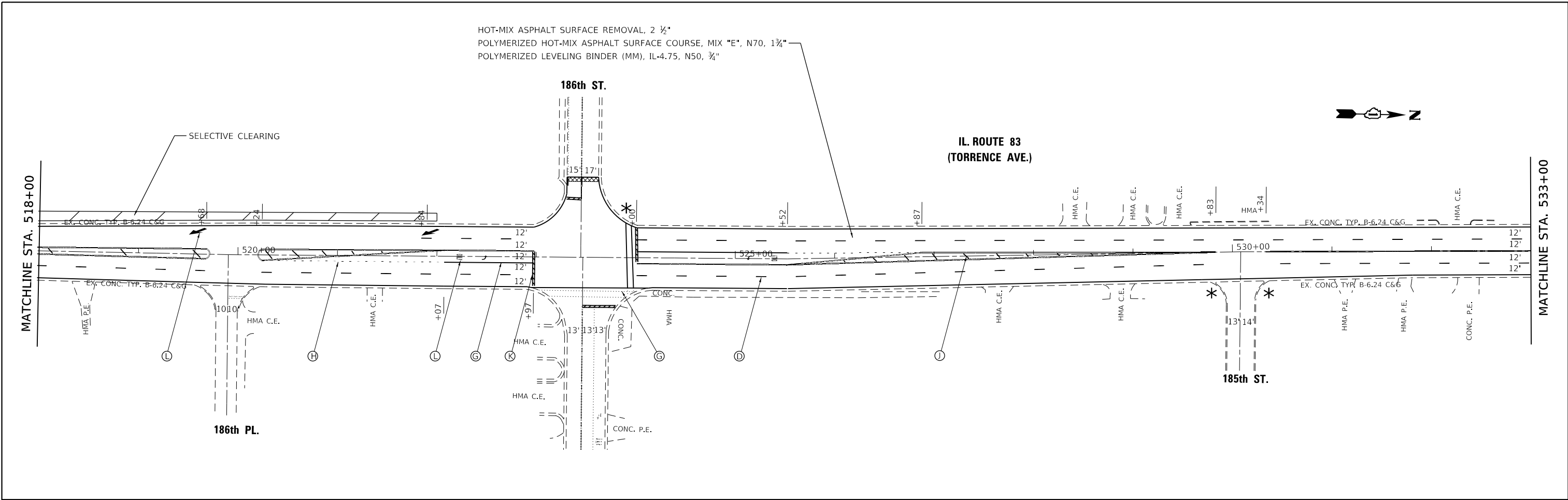


- PAVEMENT MARKING LEGEND**
- (A) THERMOPLASTIC PAVEMENT MARKING, YELLOW, DOUBLE 4" SOLID, 11" C-C
 - (B) THERMOPLASTIC PAVEMENT MARKING, WHITE, 4" SOLID
 - (C) THERMOPLASTIC PAVEMENT MARKING, YELLOW, 4" SOLID
 - (D) THERMOPLASTIC PAVEMENT MARKING, WHITE, 4" DASHED, 10' DASH 30' SKIP
 - (E) THERMOPLASTIC PAVEMENT MARKING, YELLOW, 4" DASHED, 10' DASH 30' SKIP
 - (F) THERMOPLASTIC PAVEMENT MARKING, YELLOW, 4" SOLID AND DASH-SKIP, YELLOW, 5 1/2" C-C
 - (G) THERMOPLASTIC PAVEMENT MARKING, WHITE, 6" SOLID
 - (H) THERMOPLASTIC PAVEMENT MARKING, WHITE, 6" DASHED, 2' DASH 6' SKIP
 - (I) THERMOPLASTIC PAVEMENT MARKING, WHITE, 12" SOLID
 - (L) THERMOPLASTIC PAVEMENT MARKING, YELLOW, 12" SOLID
 - (K) THERMOPLASTIC PAVEMENT MARKING, WHITE, 24" SOLID
 - (L) THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS

PLAN NOTES:

- * PROPOSED ADA SIDEWALK RAMP
- ⊞ BUTT JOINT
- RAISED REFLECTIVE PAVEMENT MARKERS TO BE INSTALLED ACCORDING TO DETAIL TC-11

FILE NAME =	USER NAME = JOHNSTONKD	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN IL 83 (I-80 TO GLENWOOD DYER ROAD)	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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PLOT SCALE = 100.0000' / in.		DATE -	REVISED -			CONTRACT NO. 62C51					
Default						ILLINOIS FED. AID PROJECT					



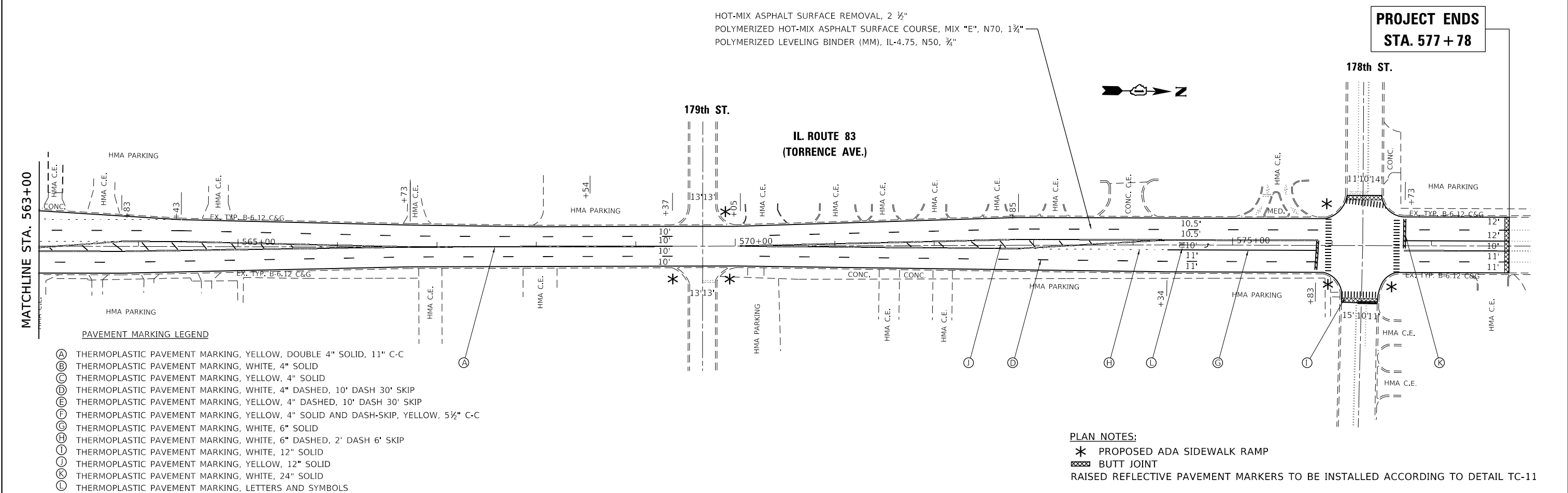
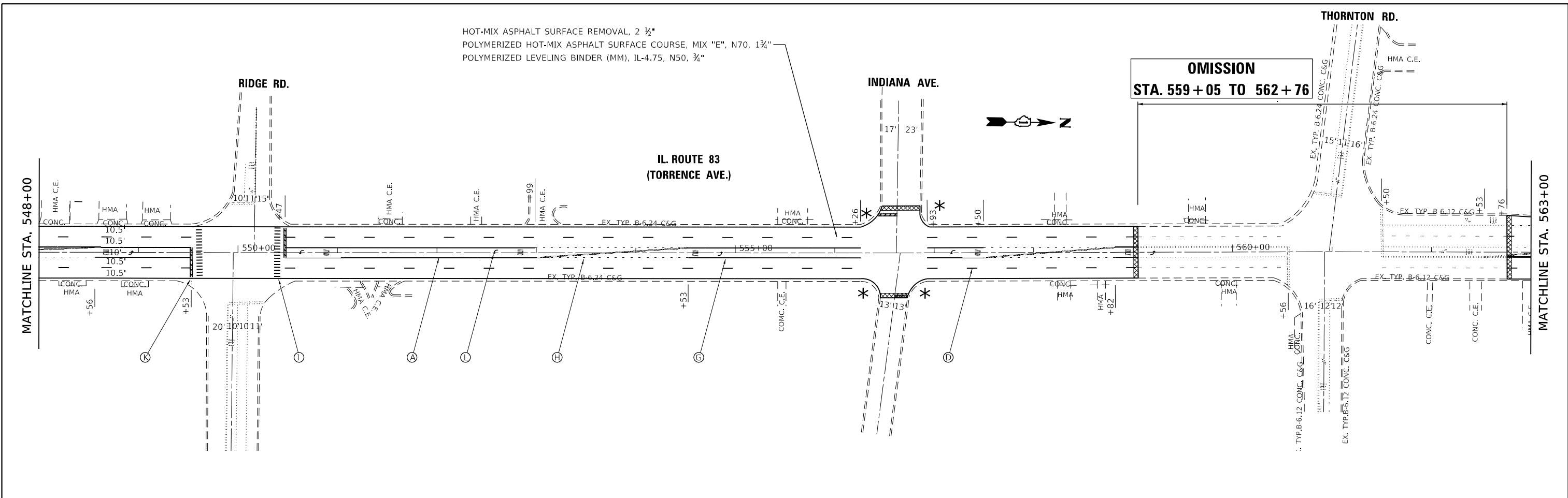
- PAVEMENT MARKING LEGEND**
- (A) THERMOPLASTIC PAVEMENT MARKING, YELLOW, DOUBLE 4" SOLID, 11" C-C
 - (B) THERMOPLASTIC PAVEMENT MARKING, WHITE, 4" SOLID
 - (C) THERMOPLASTIC PAVEMENT MARKING, YELLOW, 4" SOLID
 - (D) THERMOPLASTIC PAVEMENT MARKING, WHITE, 4" DASHED, 10' DASH 30' SKIP
 - (E) THERMOPLASTIC PAVEMENT MARKING, YELLOW, 4" DASHED, 10' DASH 30' SKIP
 - (F) THERMOPLASTIC PAVEMENT MARKING, YELLOW, 4" SOLID AND DASH-SKIP, YELLOW, 5 1/2" C-C
 - (G) THERMOPLASTIC PAVEMENT MARKING, WHITE, 6" SOLID
 - (H) THERMOPLASTIC PAVEMENT MARKING, WHITE, 6" DASHED, 2' DASH 6' SKIP
 - (I) THERMOPLASTIC PAVEMENT MARKING, WHITE, 12" SOLID
 - (J) THERMOPLASTIC PAVEMENT MARKING, YELLOW, 12" SOLID
 - (K) THERMOPLASTIC PAVEMENT MARKING, WHITE, 24" SOLID
 - (L) THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS

PLAN NOTES:

- * PROPOSED ADA SIDEWALK RAMP
- * BUTT JOINT

RAISED REFLECTIVE PAVEMENT MARKERS TO BE INSTALLED ACCORDING TO DETAIL TC-11

FILE NAME =	USER NAME = JOHNSTONKD	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN IL 83 (I-80 TO GLENWOOD DYER ROAD)	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pwz\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\135816\CADDData\Design\135816-sh1-plan.dgn	DESIGNED -	REVISED -	2937			(3076-1 & 3077) RS-1	COOK	46	14	
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -	CONTRACT NO. 62C51							
Default	DATE -	REVISED -	ILLINOIS FED. AID PROJECT							



- PAVEMENT MARKING LEGEND**
- (A) THERMOPLASTIC PAVEMENT MARKING, YELLOW, DOUBLE 4" SOLID, 11" C-C
 - (B) THERMOPLASTIC PAVEMENT MARKING, WHITE, 4" SOLID
 - (C) THERMOPLASTIC PAVEMENT MARKING, YELLOW, 4" SOLID
 - (D) THERMOPLASTIC PAVEMENT MARKING, WHITE, 4" DASHED, 10' DASH 30' SKIP
 - (E) THERMOPLASTIC PAVEMENT MARKING, YELLOW, 4" DASHED, 10' DASH 30' SKIP
 - (F) THERMOPLASTIC PAVEMENT MARKING, YELLOW, 4" SOLID AND DASH-SKIP, YELLOW, 5 1/2" C-C
 - (G) THERMOPLASTIC PAVEMENT MARKING, WHITE, 6" SOLID
 - (H) THERMOPLASTIC PAVEMENT MARKING, WHITE, 6" DASHED, 2' DASH 6' SKIP
 - (I) THERMOPLASTIC PAVEMENT MARKING, WHITE, 12" SOLID
 - (J) THERMOPLASTIC PAVEMENT MARKING, YELLOW, 12" SOLID
 - (K) THERMOPLASTIC PAVEMENT MARKING, WHITE, 24" SOLID
 - (L) THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS

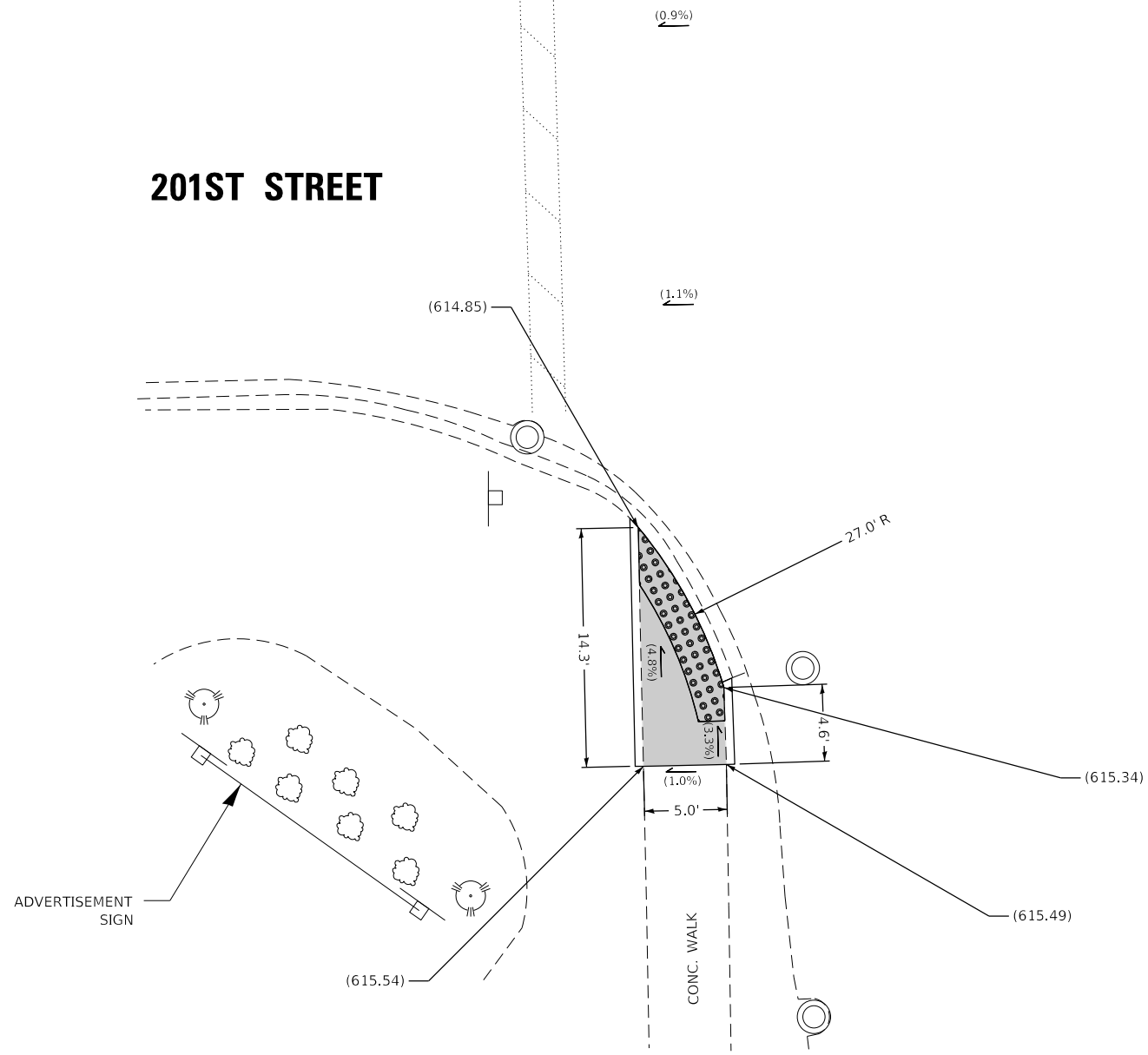
PLAN NOTES:

- * PROPOSED ADA SIDEWALK RAMP
- ▬ BUTT JOINT
- RAISED REFLECTIVE PAVEMENT MARKERS TO BE INSTALLED ACCORDING TO DETAIL TC-11

FILE NAME =	USER NAME = JOHNSTONKD	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN IL 83 (I-80 TO GLENWOOD DYER ROAD)	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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PLOT SCALE = 100.0000' / in.		DATE -	REVISED -			CONTRACT NO. 62C51					
Default						ILLINOIS FED. AID PROJECT					



201ST STREET



IL 83

NOTE:
-GUTTER FLAG SLOPE IS 5% UNLESS SHOWN OTHERWISE

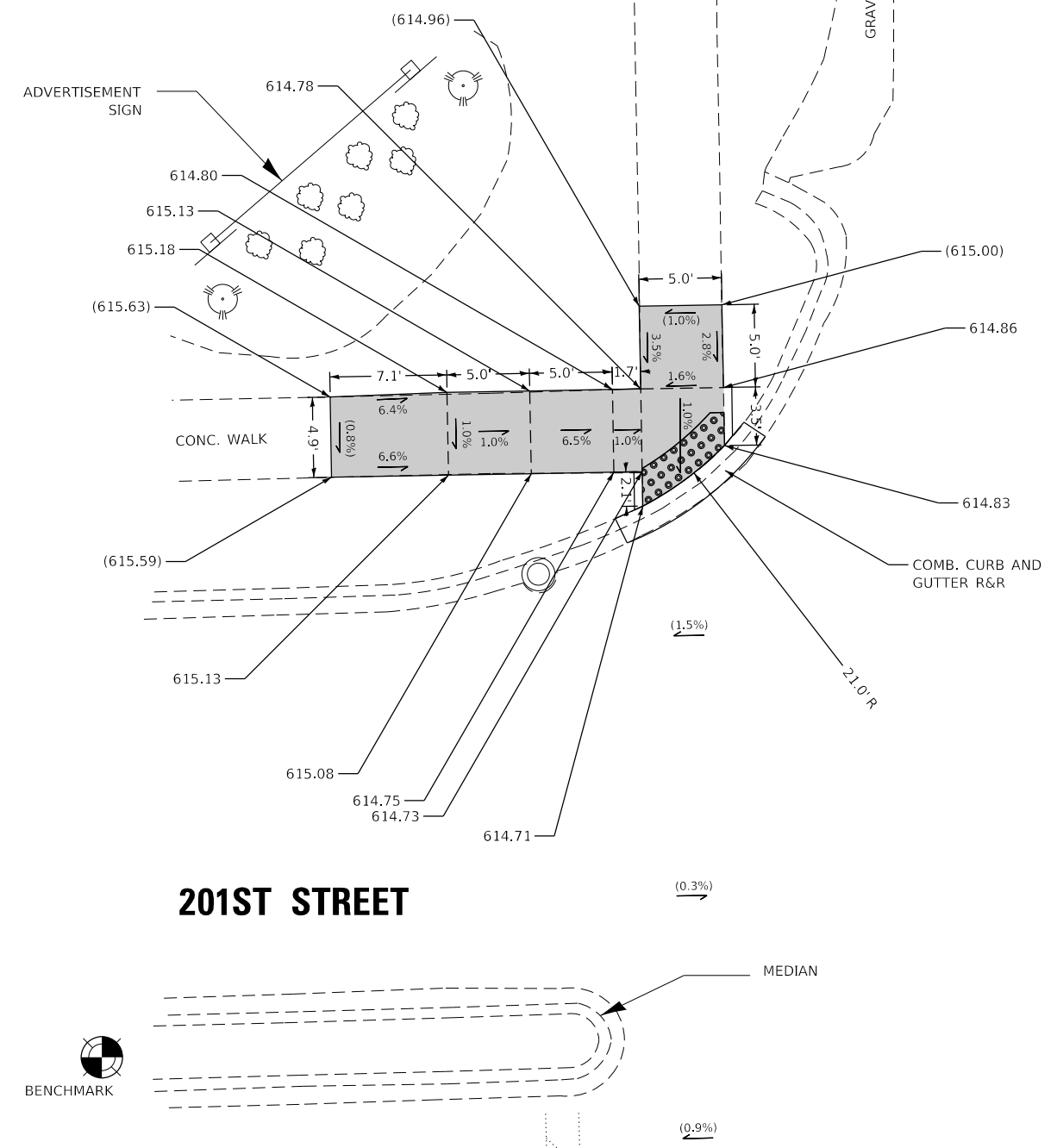
ADVERTISMENT SIGN

CONC. WALK

201ST STREET



BENCHMARK



IL 83

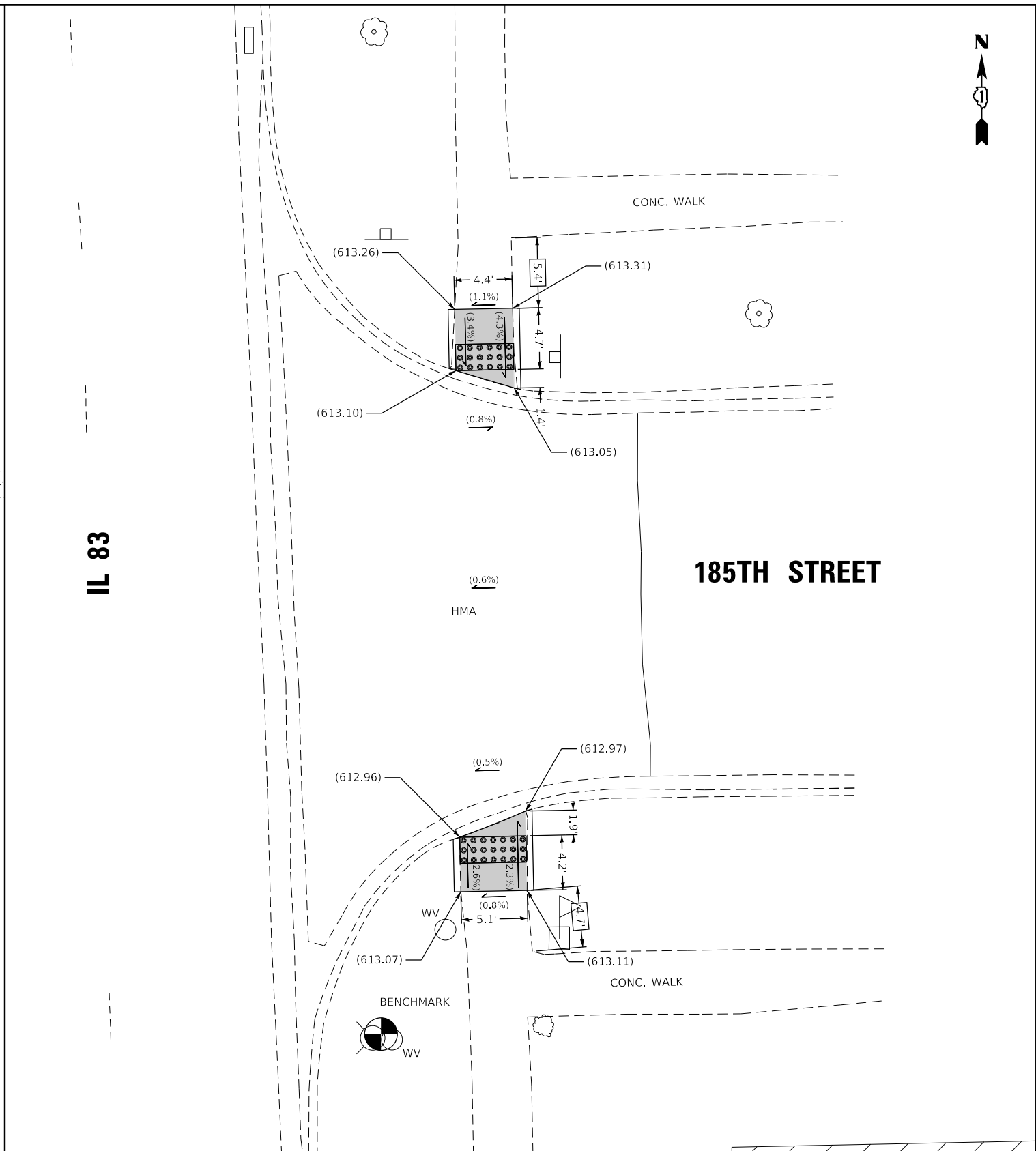
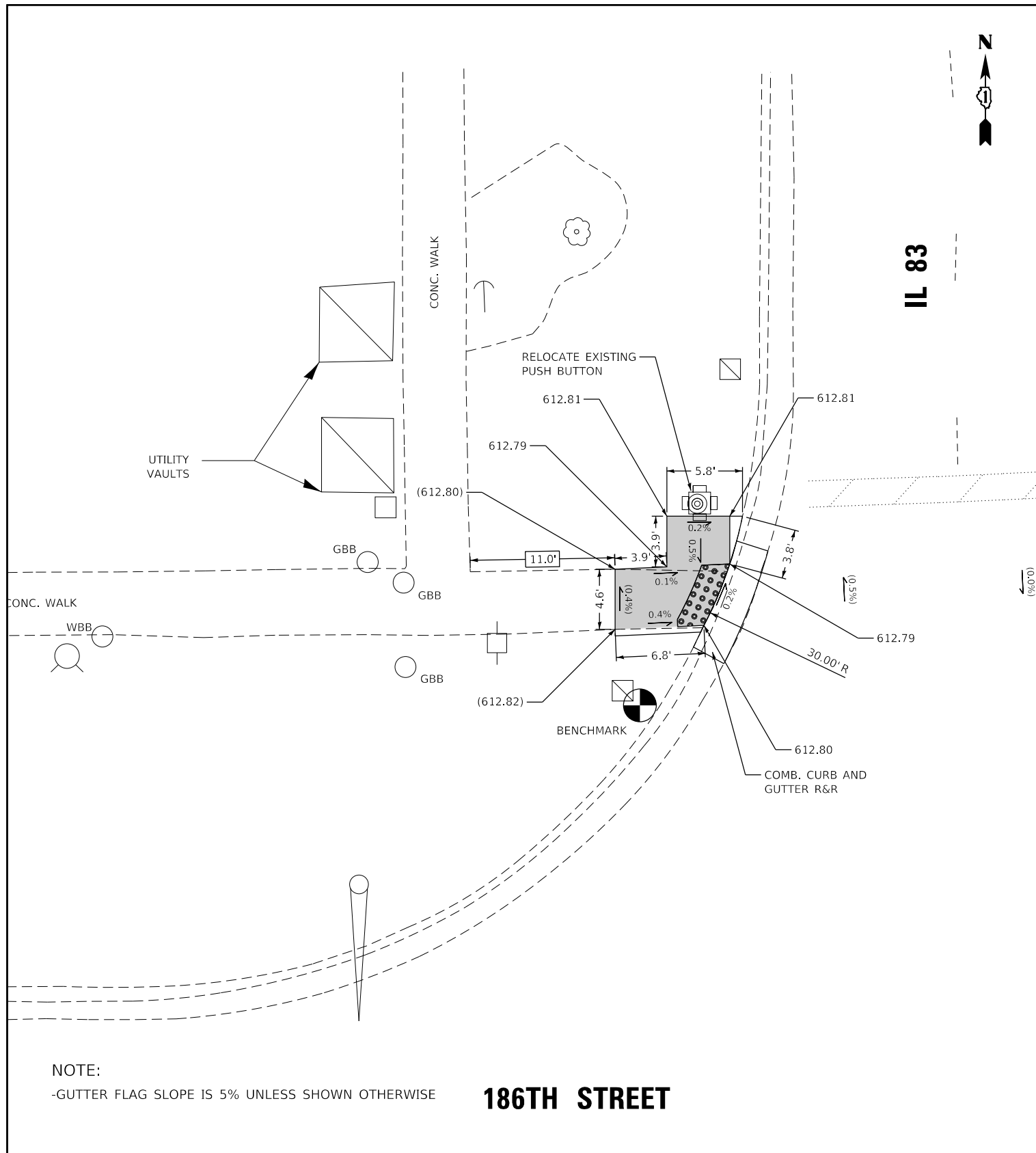
REFERENCE BENCH MARK ELEV 614.20
BENCHMARK: CUT SQUARE ON NW SIDE OF LIGHT POLE CONCRETE BASE
LOCATION: LIGHT POLE CONCRETE BASE ON E LEG OF 201ST STREET

LEGEND

- xx.xx' EXISTING LENGTH
- ===== PROPOSED SIDE CURB
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- EXISTING DETECTABLE WARNINGS

REFERENCE BENCH MARK ELEV 616.29
BENCHMARK: CUT CROSS ON W SIDE OF LIGHT POLE CONCRETE BASE
LOCATION: LIGHT POLE CONCRETE BASE ON W LEG OF 20ST ST

FILE NAME =	USER NAME = JOHNSTONKD	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ADA RAMP DETAILS (IL 83 AND 201ST STREET) IL 83 (GLENWOOD DYER ROAD TO I-80)	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pwz\VL084EBIDINTEG.illinois.gov:PWIDOT\Documents\DOT Offices\District 1\Projects\135816\CADDData\Design\135816-shd-details.dgn		CHECKED -	REVISED -			1350	2106-058-R5	COOK	46	16	
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	PLOT DATE = 10/9/2018	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					



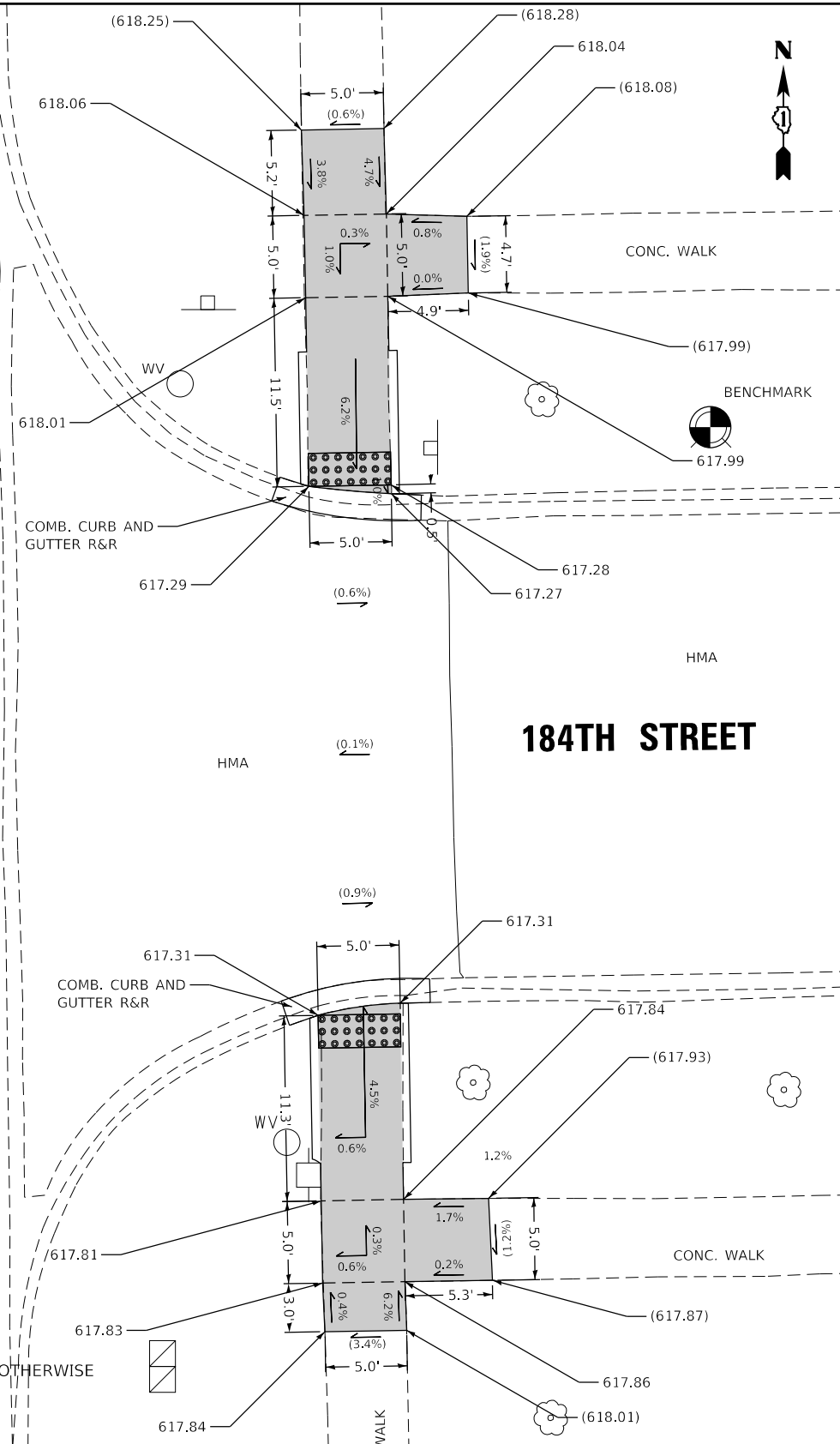
REFERENCE BENCH MARK ELEV 613.03
 BENCHMARK: CUT CROSS ON SE CORNER OF TRAFFIC SIGNAL HANDHOLE
 LOCATION: TRAFFIC SIGNAL HANDHOLE ON NW CORNER OF IL 83 AND 186TH STREET

LEGEND

	EXISTING LENGTH		PROPOSED SIDEWALK
	PROPOSED SIDE CURB		DETECTABLE WARNINGS
	EXISTING ELEVATION/SLOPE		EXISTING DETECTABLE WARNINGS

REFERENCE BENCH MARK ELEV 614.88
 BENCHMARK: CUT CROSS ON E FIRE HYDRANT FLANGE BOLT
 LOCATION: FIRE HYDRANT ON SE CORNER OF IL 83 AND 185TH STREET

IL 83



NOTE:
-GUTTER FLAG SLOPE IS 5% UNLESS SHOWN OTHERWISE

REFERENCE BENCH MARK ELEV 619.06
 BENCHMARK: CUT CROSS ON SW FIRE HYDRANT FLANGE BOLT
 LOCATION: SW FIRE HYDRANT FLANGE BOLT ON NE CORNER OF IL 83 AND 184TH STREET

LEGEND

- XX.XX' EXISTING LENGTH
- ===== PROPOSED SIDE CURB
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- ▨ EXISTING DETECTABLE WARNINGS

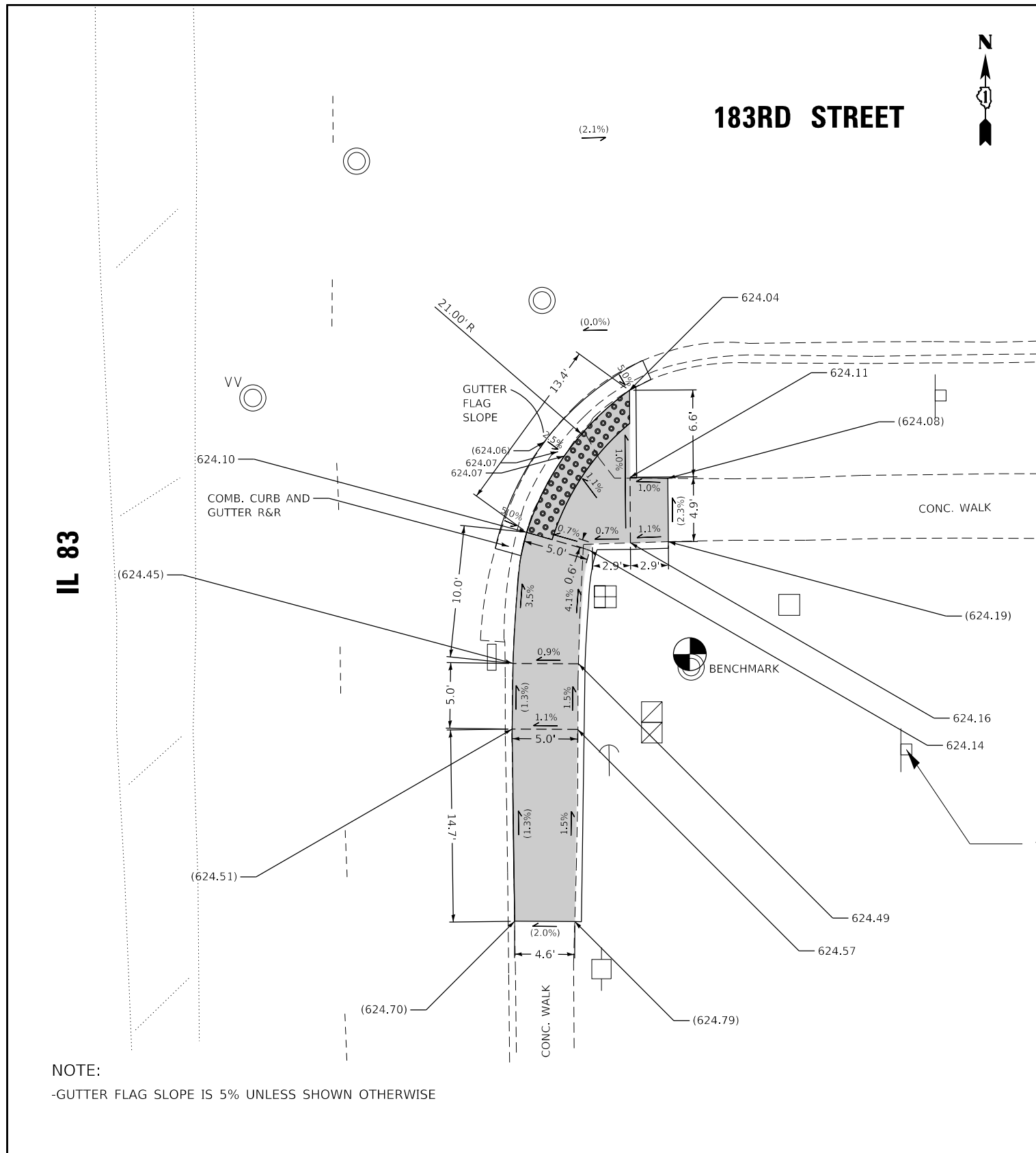
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	PLOT DATE = 10/9/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

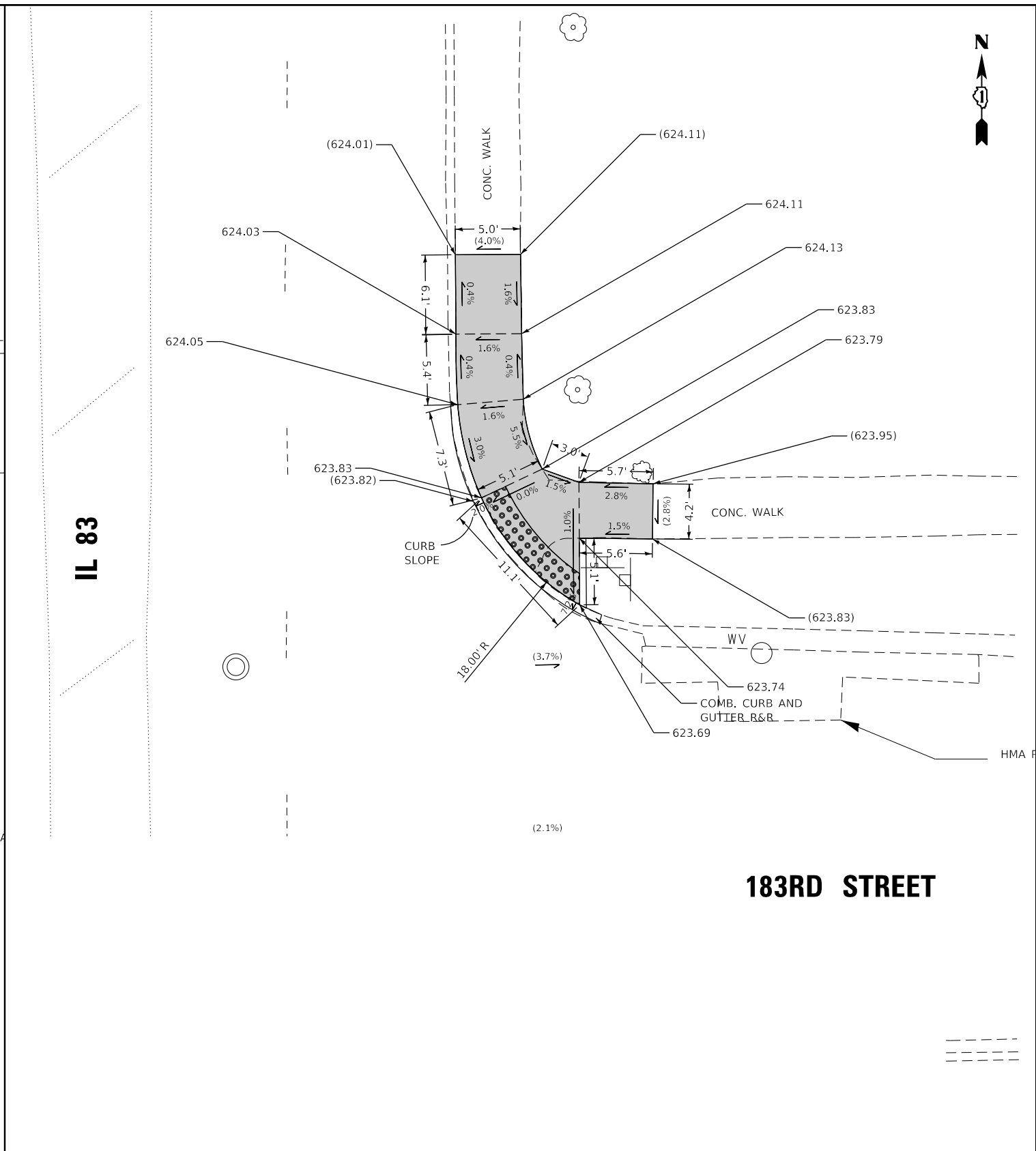
ADA RAMP DETAILS (IL 83 AND 184TH STREET)
IL 83 (GLENWOOD DYER ROAD TO I-80)

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1350	2106-058-R5	COOK	46	21
CONTRACT NO. 62C51				
ILLINOIS FED. AID PROJECT				



NOTE:
-GUTTER FLAG SLOPE IS 5% UNLESS SHOWN OTHERWISE



REFERENCE BENCH MARK ELEV 624.20

BENCHMARK: CUT CROSS ON N SIDE OF SANITARY MANHOLE RIM

LOCATION: SANITARY MANHOLE RIM ON SE CORNER OF IL 83 AND 183RD STREET

LEGEND

xx.xx'

EXISTING LENGTH

==

PROPOSED SIDE CURB

()

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



EXISTING
DETECTABLE WARNINGS

REFERENCE BENCH MARK ELEV 624.20

BENCHMARK: CUT CROSS ON N SIDE OF SANITARY MANHOLE RIM

LOCATION: SANITARY MANHOLE RIM ON SE CORNER OF IL 83 AND 183RD STREET

FILE NAME =	USER NAME = JOHNSTONKD	DESIGNED -	REVISED -
pwz\VL084EBID\INTEG\Illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\135816\CADD\Drawings\shd-details.dgn		REVISOR -	REVISION -
Default	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISOR -
	PLOT DATE = 10/9/2018	DATE -	REVISION -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

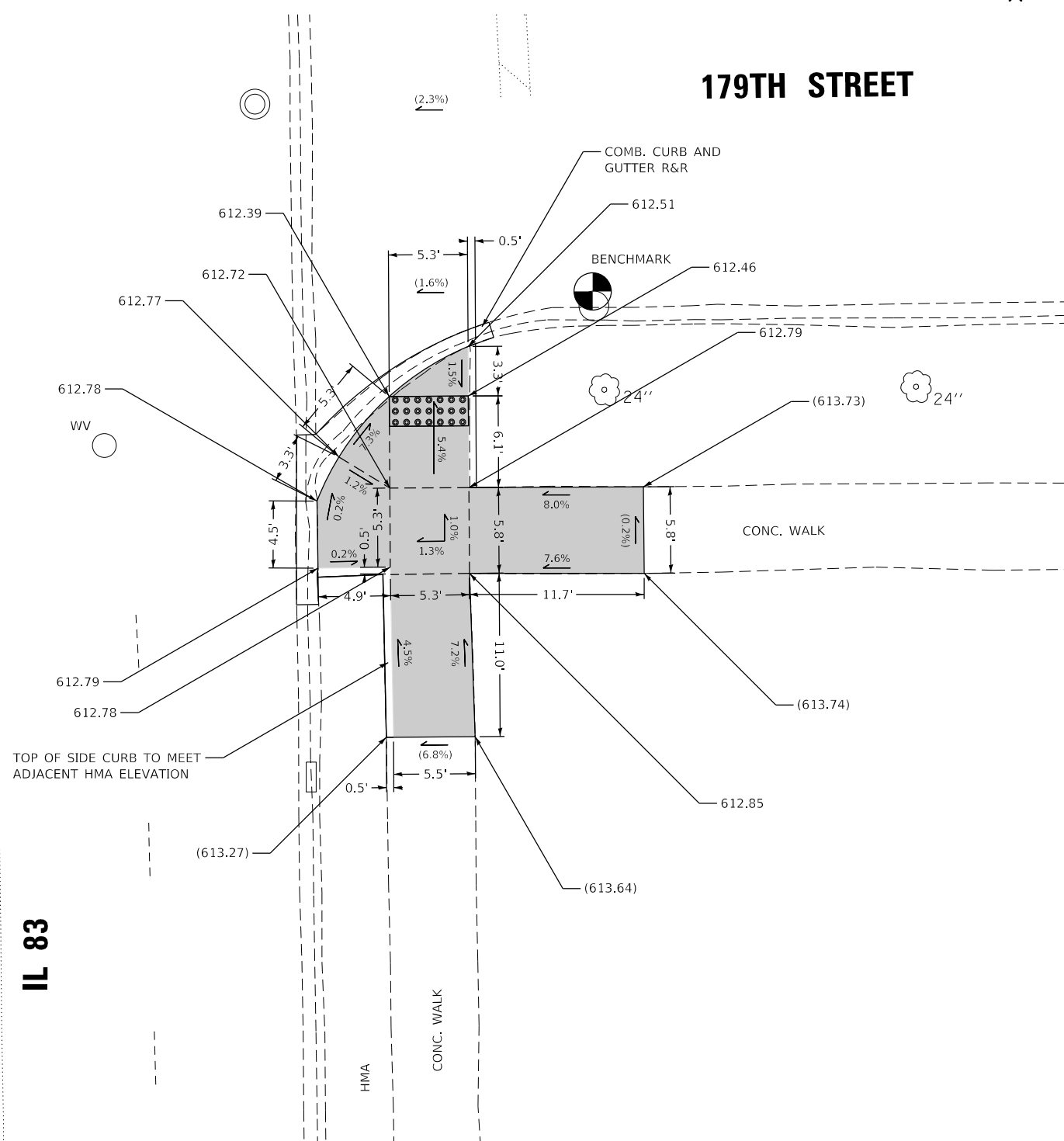
ADA RAMP DETAILS (IL 83 AND 183RD STREET)
IL 83 (GLENWOOD DYER ROAD TO I-80)

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1350	2106-058-R5	COOK	46	22
CONTRACT NO. 62C51				
ILLINOIS FED. AID PROJECT				



179TH STREET



NOTE:
-GUTTER FLAG SLOPE IS 5% UNLESS SHOWN OTHERWISE

REFERENCE BENCH MARK ELEV 612.56
BENCHMARK: CUT CROSS ON N SIDE OF CATCH BASIN RIM
LOCATION: CATCH BASIN RIM ON S CURB LINE OF 179TH STREET, E OF IL 83

LEGEND

- xx.xx' EXISTING LENGTH
- PROPOSED SIDE CURB
- EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- EXISTING DETECTABLE WARNINGS

REFERENCE BENCH MARK ELEV 612.56
BENCHMARK: CUT CROSS ON N SIDE OF CATCH BASIN RIM
LOCATION: CATCH BASIN RIM ON S CURB LINE OF 179TH STREET, E OF IL 83

FILE NAME =	USER NAME = JOHNSTONKD	DESIGNED -	REVISED -
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	PLOT DATE = 10/9/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ADA RAMP DETAILS (IL 83 AND 179TH STREET)
IL 83 (GLENWOOD DYER ROAD TO I-80)**

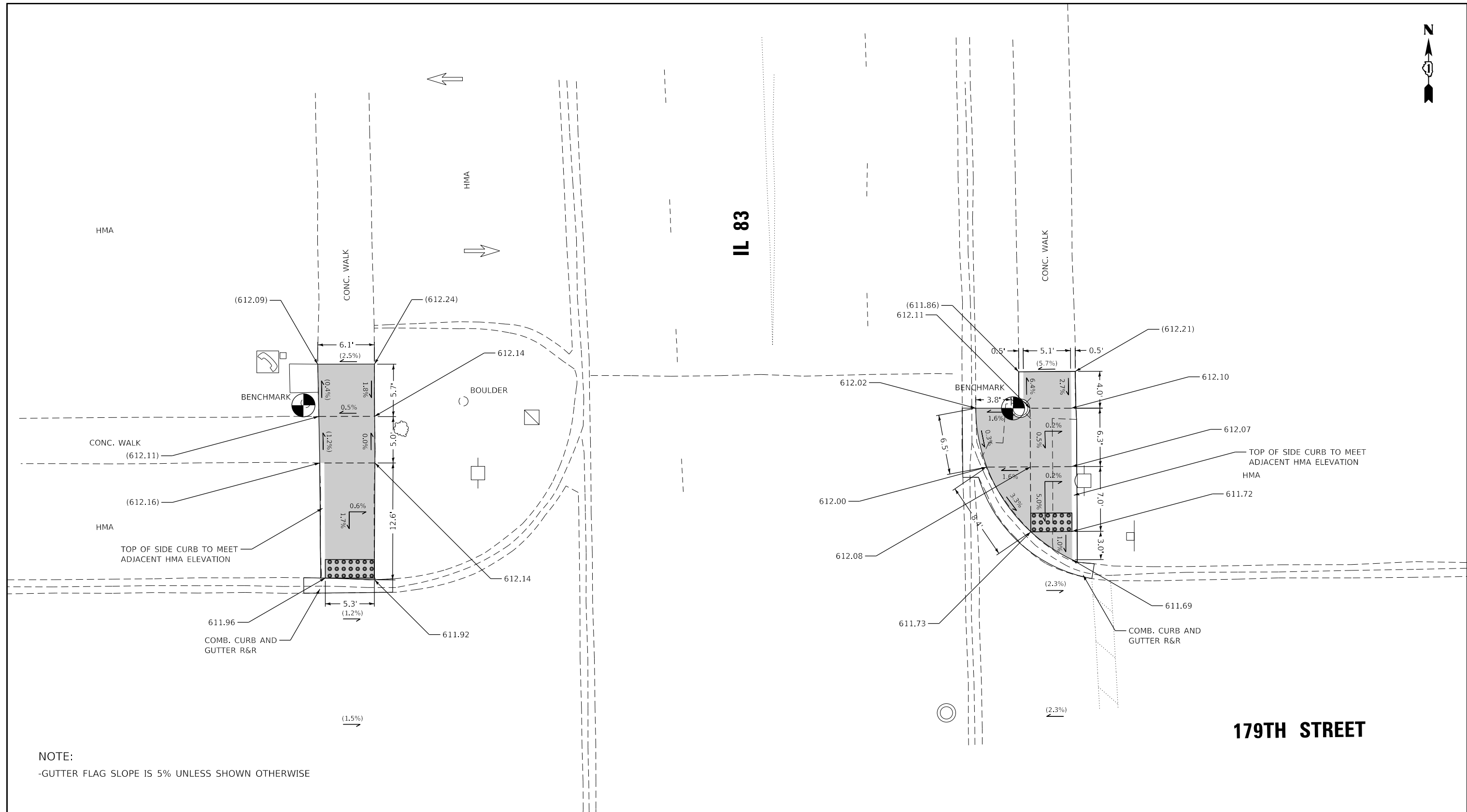
SCALE: 1"=5' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1350	2106-058-R5	COOK	46	25
CONTRACT NO. 62C51				
ILLINOIS FED. AID PROJECT				



IL 83

179TH STREET



NOTE:
-GUTTER FLAG SLOPE IS 5% UNLESS SHOWN OTHERWISE

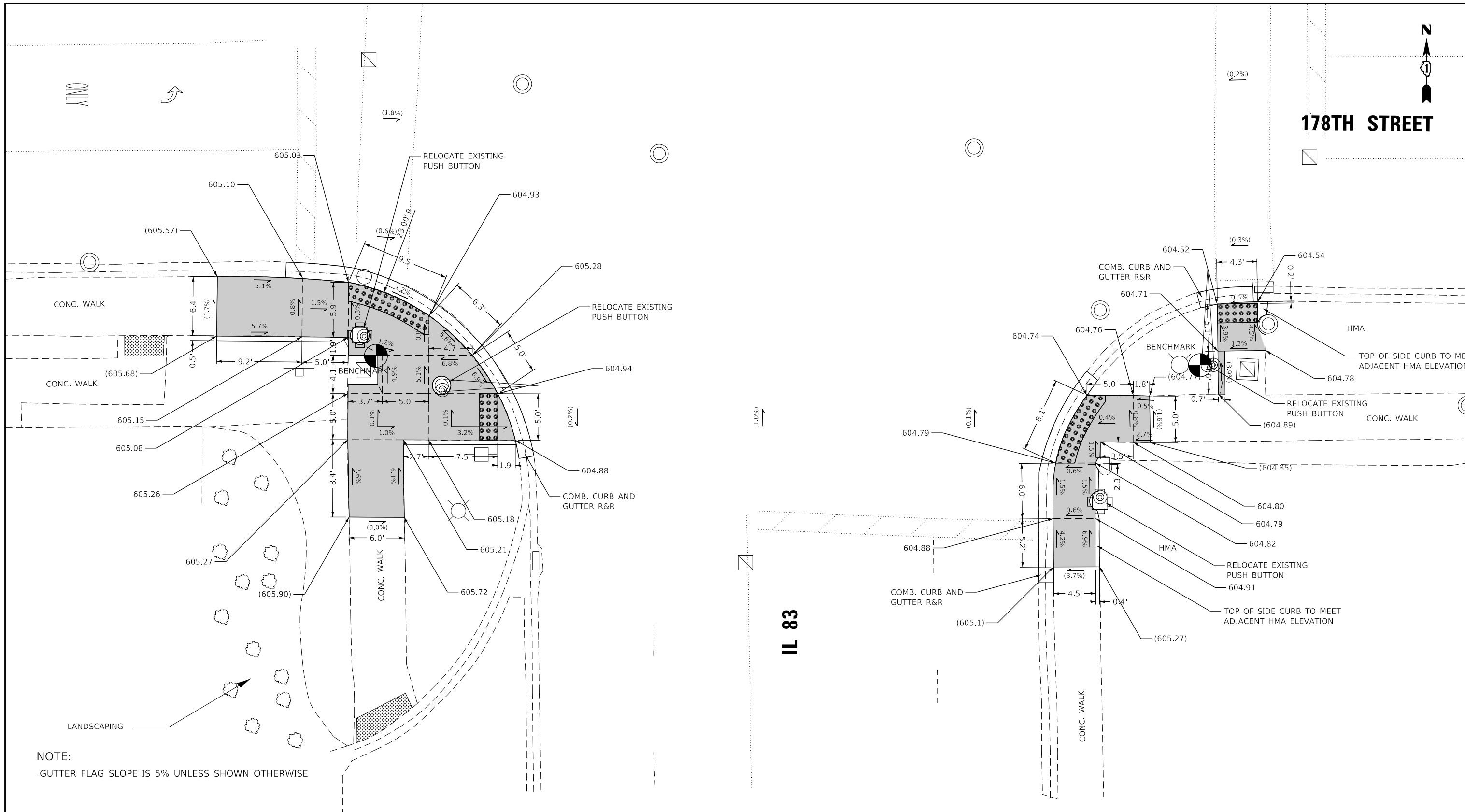
REFERENCE BENCH MARK ELEV 612.78
BENCHMARK: CUT CROSS ON CONCRETE BASE OF TORN DOWN SIGN
LOCATION: TORN DOWN SIGN ON NW CORNER OF IL 83 AND 179TH STREET

LEGEND

	EXISTING LENGTH		PROPOSED SIDEWALK
	PROPOSED SIDE CURB		DETECTABLE WARNINGS
	EXISTING ELEVATION/SLOPE		EXISTING DETECTABLE WARNINGS

REFERENCE BENCH MARK ELEV 612.00
BENCHMARK: CUT CROSS ON W SIDE OF LIGHT POLE CONCRETE BASE
LOCATION: LIGHT POLE CONCRETE BASE ON NE CORNER OF IL 83 AND 179TH STREET

FILE NAME =	USER NAME = JOHNSTONKD	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ADA RAMP DETAILS (IL 83 AND 179TH STREET) IL 83 (GLENWOOD DYER ROAD TO I-80)	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pwz\VL084EBIDINTEG.illinois.gov:PWIDOT\Documents\DOT Offices\District 1\Projects\135816\CADDData\Design\135816-16-shd-details.dgn		CHECKED -	REVISED -			1350	2106-058-R5	COOK	46	26
Default	PLOT SCALE = 10.0000 ' / in.	DATE -	REVISED -			CONTRACT NO. 62C51				
	PLOT DATE = 10/9/2018					ILLINOIS FED. AID PROJECT				



NOTE:
-GUTTER FLAG SLOPE IS 5% UNLESS SHOWN OTHERWISE

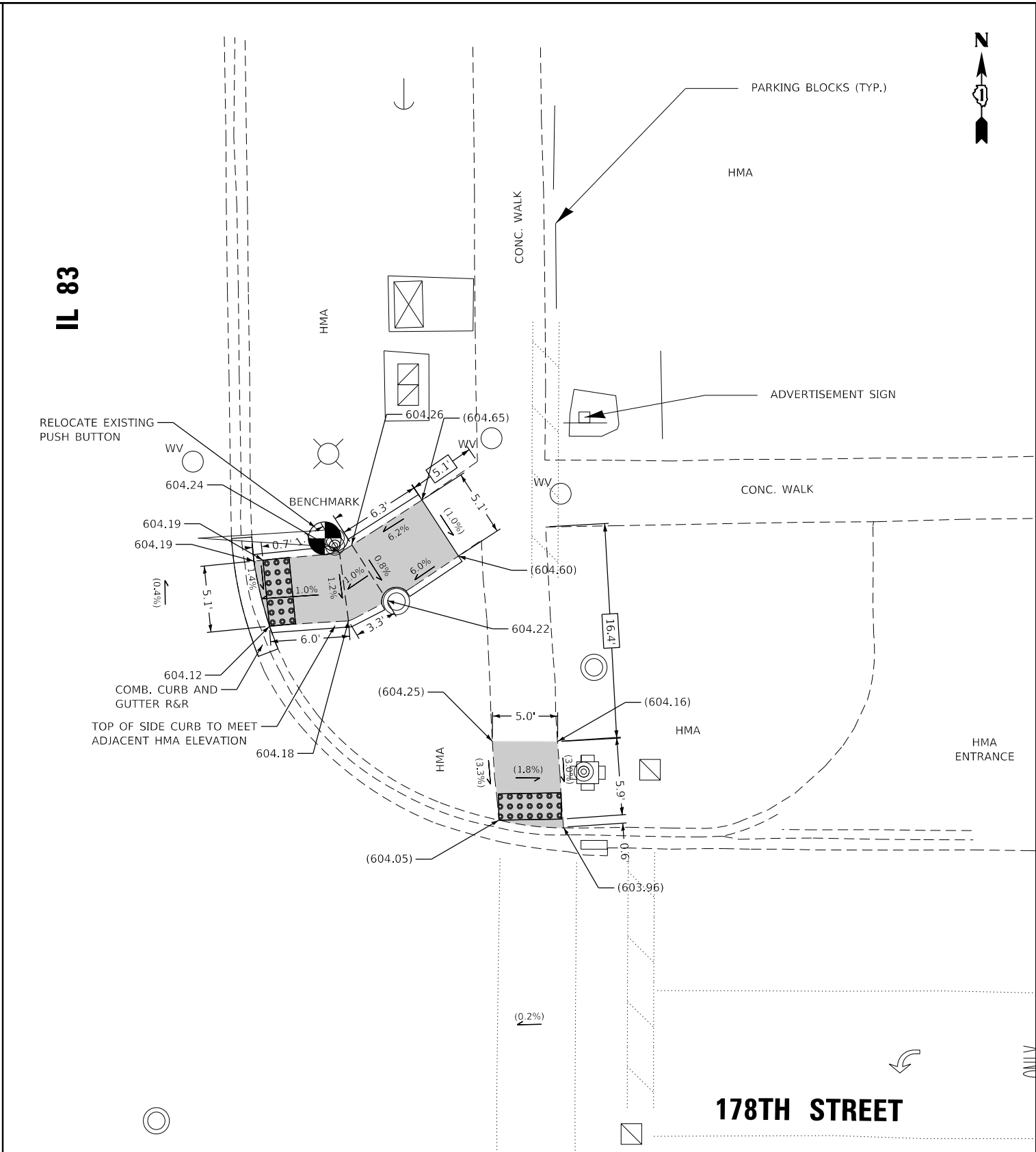
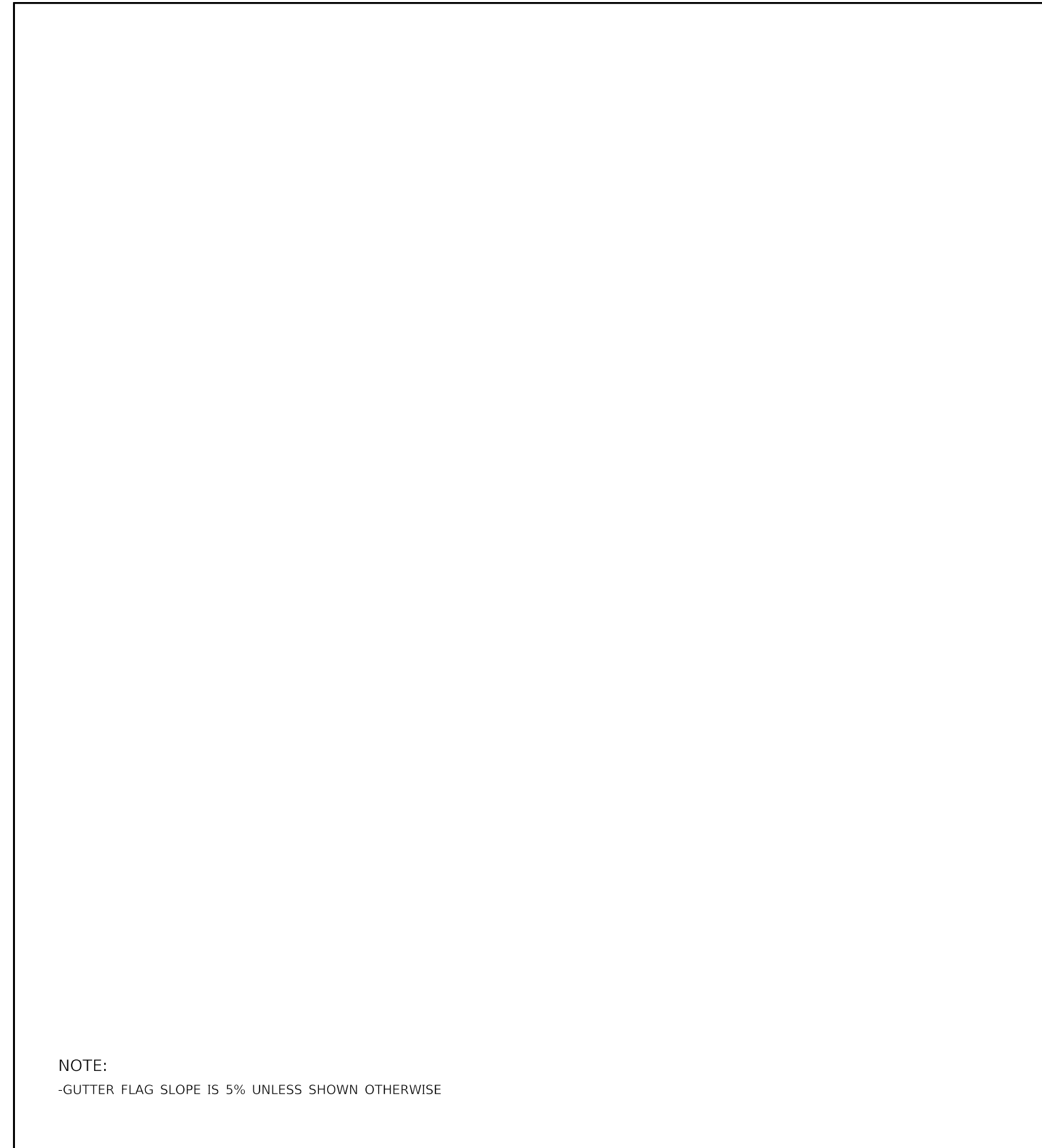
REFERENCE BENCH MARK ELEV 605.29
 BENCHMARK: CUT CROSS ON NE CORNER OF TRAFFIC SIGNAL HANDHOLE
 LOCATION: TRAFFIC SIGNAL HANDHOLE ON SW CORNER OF IL 83 AND 178TH STREET

LEGEND

	EXISTING LENGTH		PROPOSED SIDEWALK
	PROPOSED SIDE CURB		DETECTABLE WARNINGS
	EXISTING ELEVATION/SLOPE		EXISTING DETECTABLE WARNINGS

REFERENCE BENCH MARK ELEV 605.31
 BENCHMARK: CUT CROSS ON W SIDE OF MAST ARM CONCRETE BASE
 LOCATION: MAST ARM CONCRETE BASE ON SE CORNER OF IL 83 AND 178TH STREET

FILE NAME =	USER NAME = JOHNSTONKD	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ADA RAMP DETAILS (IL 83 AND 178TH STREET) IL 83 (GLENWOOD DYER ROAD TO I-80)	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pwz\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\135816\CADDData\Design\135816-16-shd-details.dgn		DRAWN -	REVISED -			1350	2106-058-R5	COOK	46	27
Default		CHECKED -	REVISED -			CONTRACT NO. 62C51				
		DATE -	REVISED -			SCALE: 1"=5'	SHEET	OF	SHEETS	STA.



NOTE:
-GUTTER FLAG SLOPE IS 5% UNLESS SHOWN OTHERWISE

LEGEND

- xx.xx' EXISTING LENGTH
- ===== PROPOSED SIDE CURB
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- ▣ DETECTABLE WARNINGS
- ▤ EXISTING DETECTABLE WARNINGS

REFERENCE BENCH MARK ELEV 604.94
 BENCHMARK: CUT CROSS IN W SIDE OF MAST ARM CONCRETE BASE
 LOCATION: MAST ARM CONCRETE BASE ON NE SIDE OF IL 83 AND 178TH STREET

FILE NAME =	USER NAME = JOHNSTONKD	DESIGNED -	REVISED -
pwz\IL084EBID\INTEG.illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\135816\CADDData\Design\DRAWN6-shd-details.dgn			REVISED -
Default	PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/9/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

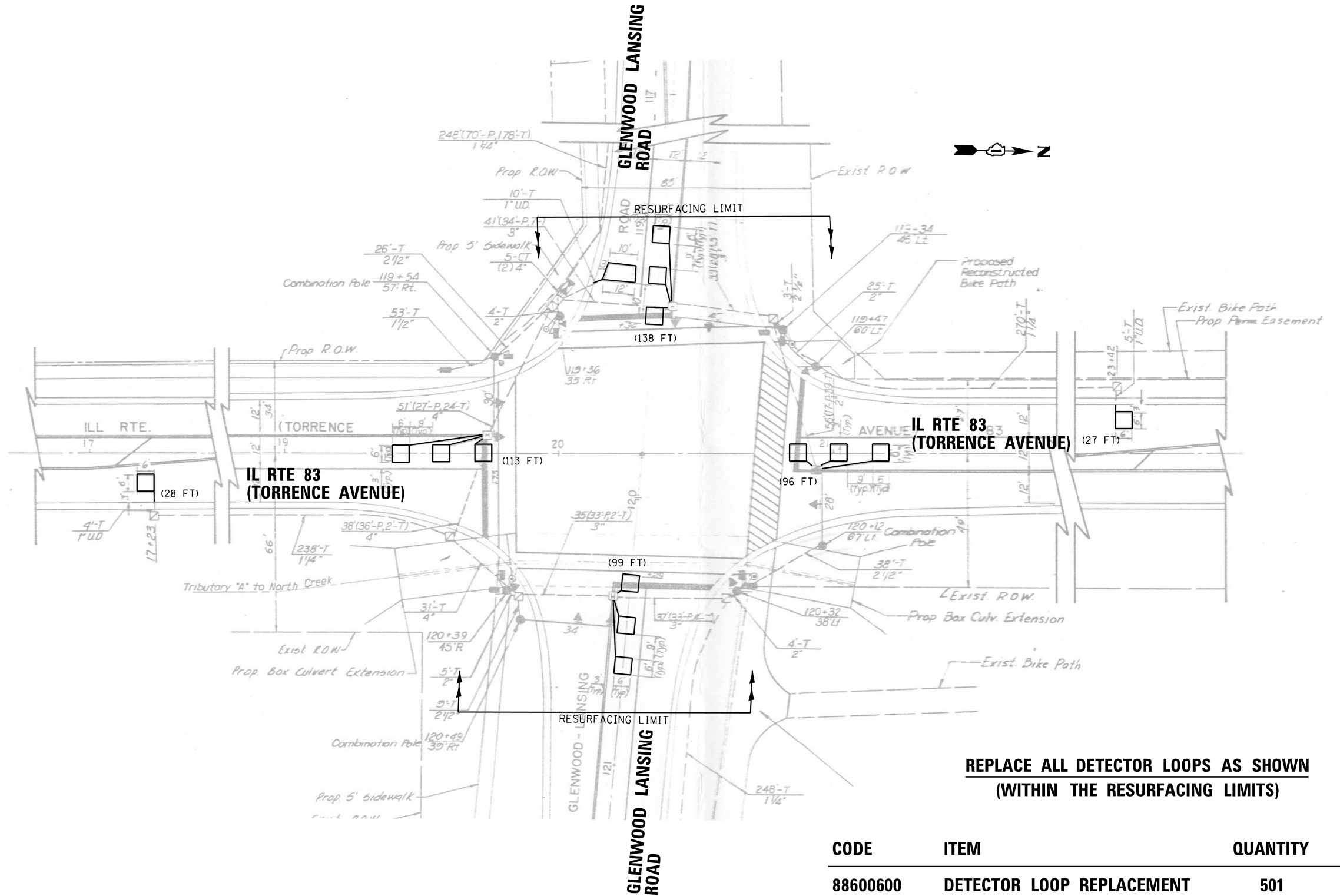
**ADA RAMP DETAILS (IL 83 AND 178TH STREET)
IL 83 (GLENWOOD DYER ROAD TO I-80)**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1350	2106-058-R5	COOK	46	28
CONTRACT NO. 62C51				
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.



FILE NAME =	USER NAME = jvanmerdizg	DESIGNED - ZGJ	REVISED -
TS 21185 IL RTE 83 (TORRENCE AVE) & GLE	WOOD LANSING_02222017.dgn	DRAWN - ZGJ	REVISED -
Default	PLOT SCALE = 40.0000' / in.	CHECKED - LP	REVISED -
	PLOT DATE = 2/23/2017	DATE - 02/23/2017	REVISED -

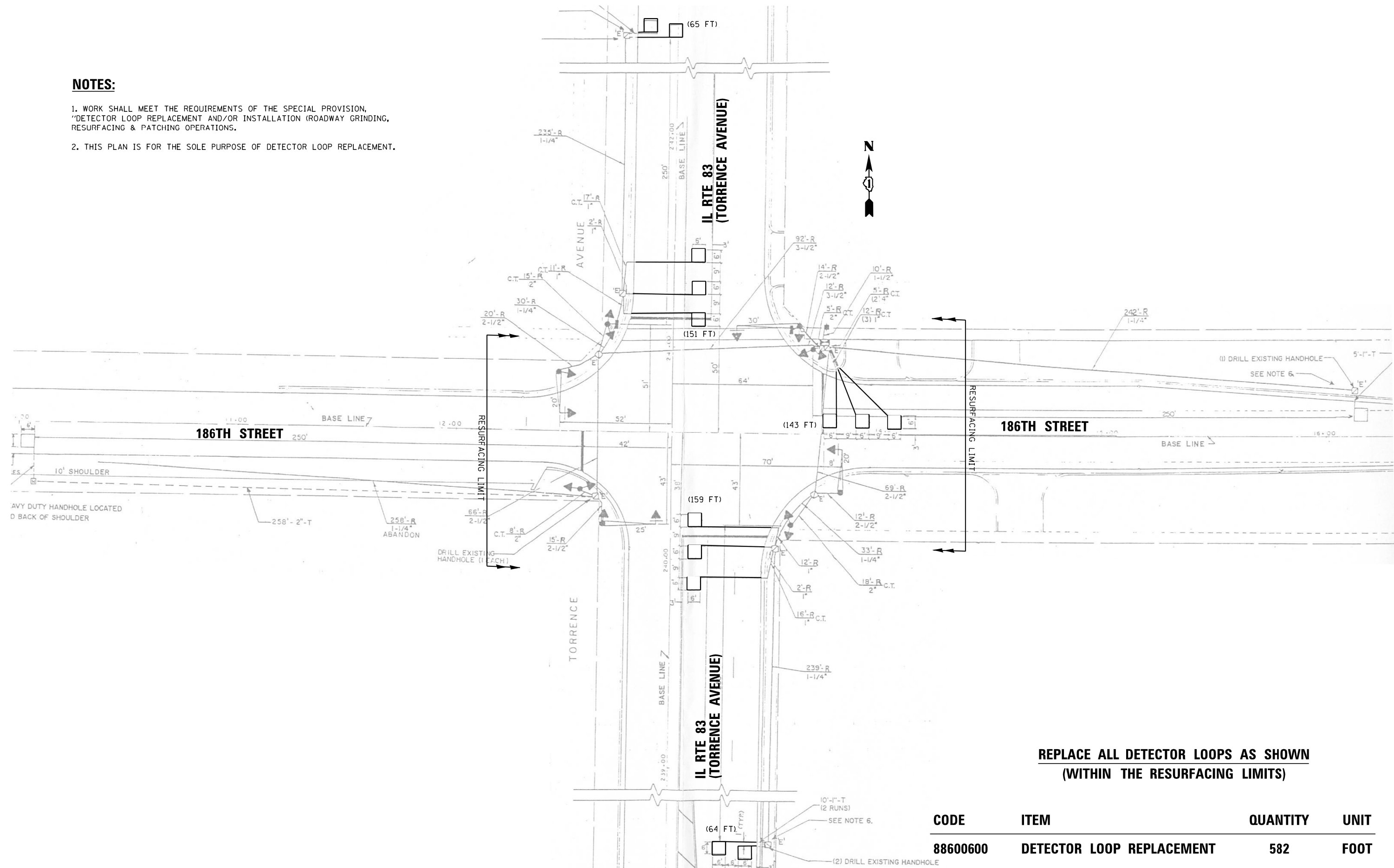
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETECTOR LOOP REPLACEMENT PLAN			
IL RTE 83 (TORRENCE AVENUE) AT GLENWOOD LANSING ROAD			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2937	(3076-1 & 3077) RS-1	COOK	46	29
CONTRACT NO. 62C51				
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	582	FOOT

FILE NAME =	USER NAME = jovanmrdzgj	DESIGNED - ZGJ	REVISED -
TS 3380 IL RTE 83 (TORRENCE AVE) & 186TH STREET_02232017.dgn		DRAWN - ZGJ	REVISED -
Default	PLOT SCALE = 40.0000' / in.	CHECKED - LP	REVISED -
	PLOT DATE = 2/23/2017	DATE - 02/23/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

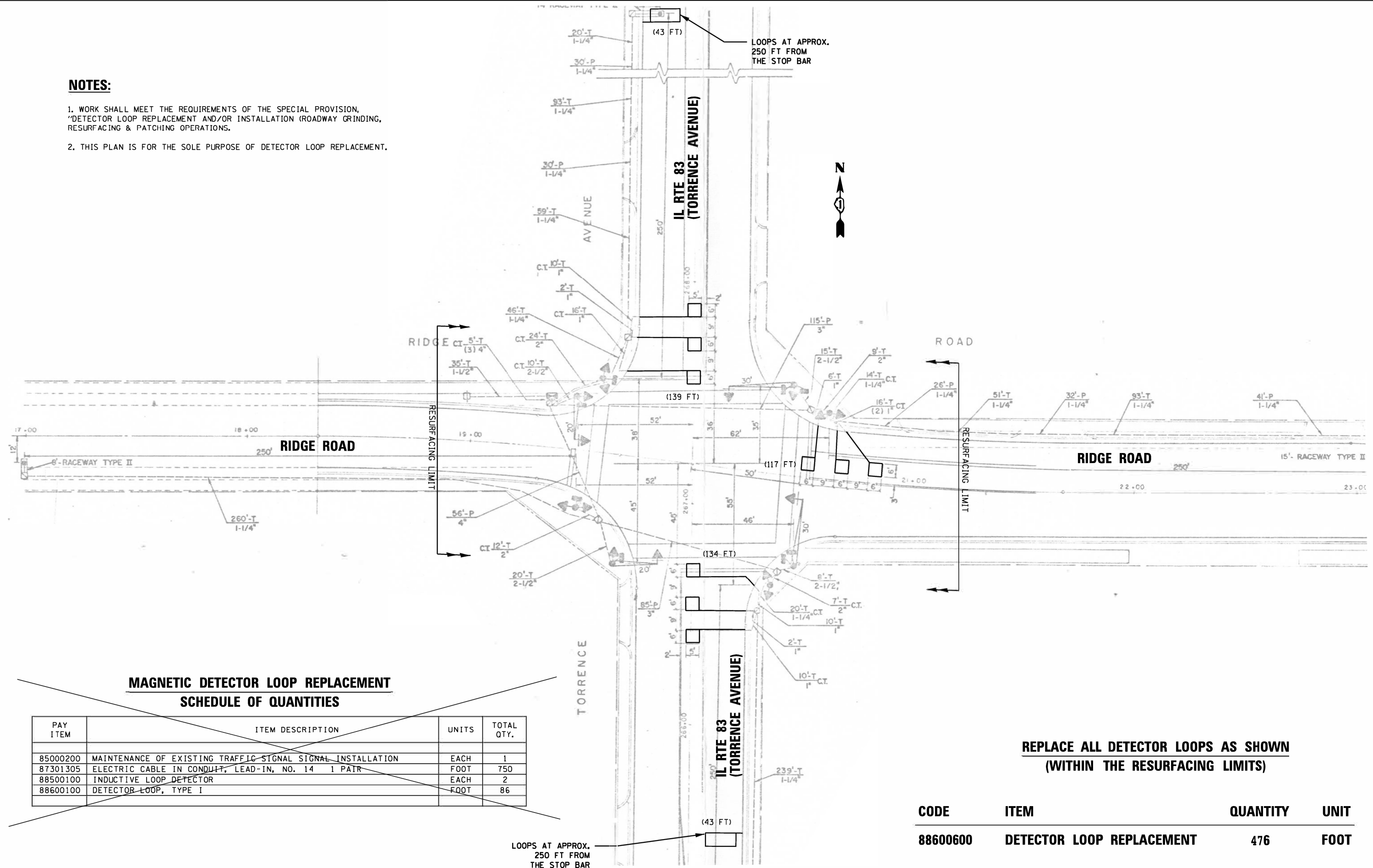
**DETECTOR LOOP REPLACEMENT PLAN
IL RTE 83 (TORRENCE AVENUE) AT 186th STREET**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2937	(3076-1 & 3077) RS-1	COOK	46	30
CONTRACT NO. 62C51				
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.



**MAGNETIC DETECTOR LOOP REPLACEMENT
SCHEDULE OF QUANTITIES**

PAY ITEM	ITEM DESCRIPTION	UNITS	TOTAL QTY.
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL SIGNAL INSTALLATION	EACH	1
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	750
88500100	INDUCTIVE LOOP DETECTOR	EACH	2
88600100	DETECTOR LOOP, TYPE I	FOOT	86

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

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	476	FOOT

FILE NAME =	USER NAME = jovanmrdzjg	DESIGNED - ZGJ	REVISED -
TS 3495 IL RTE 83 (TORRENCE AVE) & RIDGE ROAD_02232017.dgn		DRAWN - ZGJ	REVISED -
Default	PLOT SCALE = 40.0000' / in.	CHECKED - LP	REVISED -
	PLOT DATE = 3/6/2017	DATE - 03/06/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

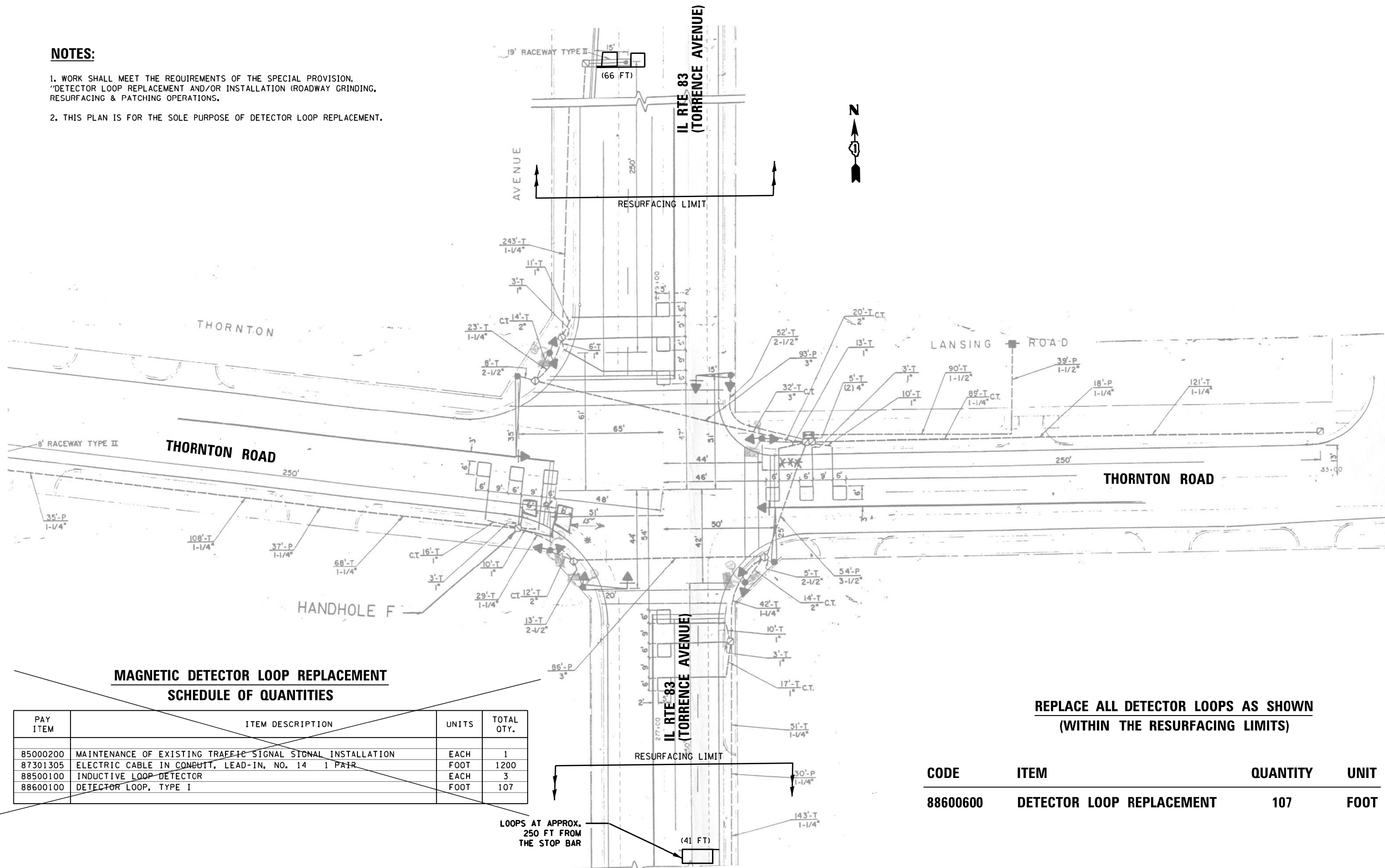
**DETECTOR LOOP REPLACEMENT PLAN
IL RTE 83 (TORRENCE AVENUE) AT RIDGE ROAD**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2937	(3076-1 & 3077) RS-1	COOK	46	31
CONTRACT NO. 62C51				
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.



**MAGNETIC DETECTOR LOOP REPLACEMENT
SCHEDULE OF QUANTITIES**

PAY ITEM	ITEM DESCRIPTION	UNITS	TOTAL QTY.
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL SIGNAL INSTALLATION	EACH	1
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1200
88500100	INDUCTIVE LOOP DETECTOR	EACH	3
88600100	DETECTOR LOOP, TYPE I	FOOT	107

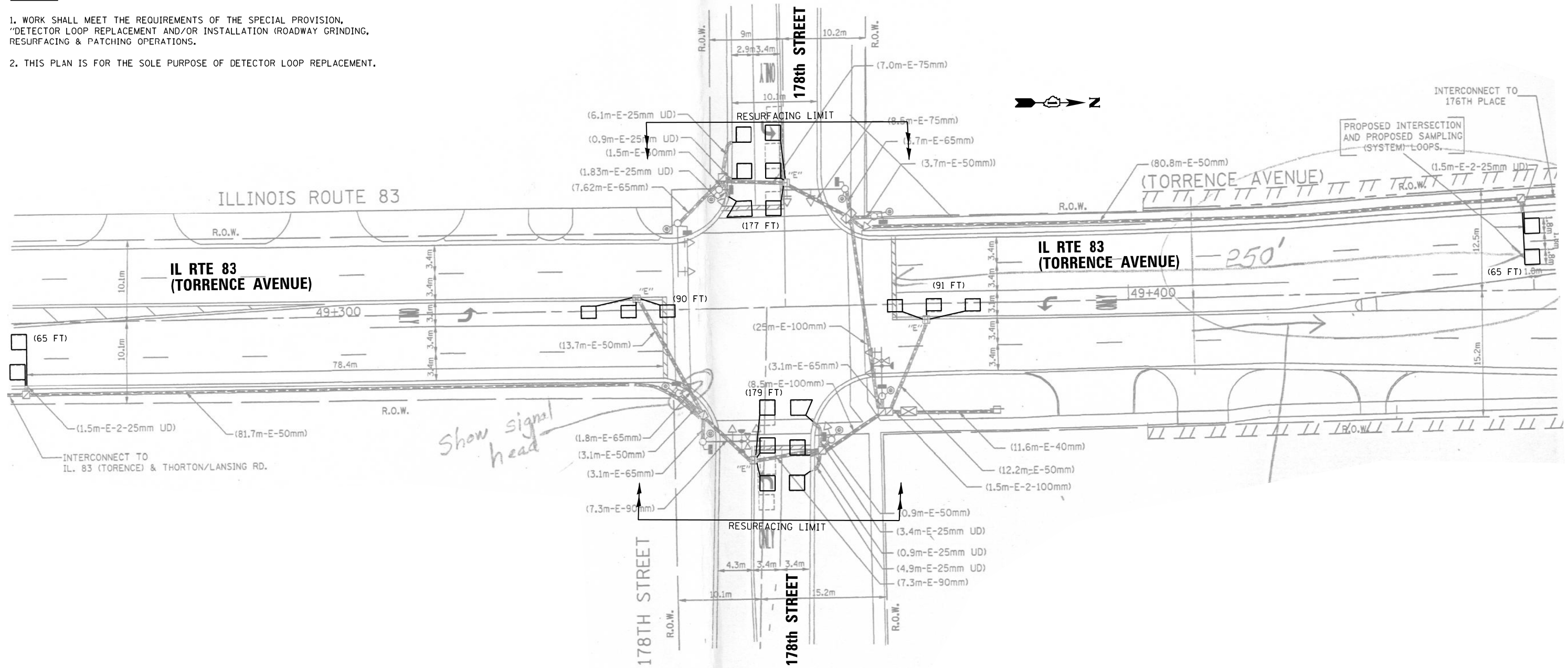
**REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)**

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	107	FOOT

LOOPS AT APPROX.
250 FT FROM
THE STOP BAR
(41 FT)

NOTES:

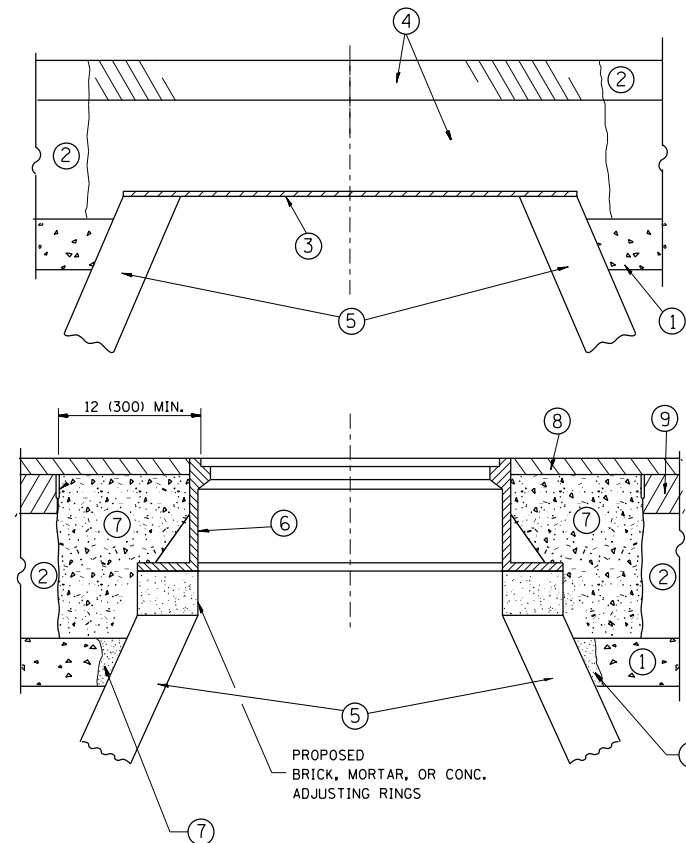
1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.



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

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	667	FOOT

FILE NAME = TS 13940 IL RTE 83 (TORRENCE AVE) & 178th STREET_02232017.dgn	USER NAME = jovanmerdizg	DESIGNED - ZGJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN IL RTE 83 (TORRENCE AVENUE) AT 178th STREET	F.A.U. RTE. 2937	SECTION (3076-1 & 3077) RS-1	COUNTY COOK	TOTAL SHEETS 46	SHEET NO. 33		
PLOT SCALE = 40,0000' / in.	CHECKED - LP	REVISIED -	REVISIED -			CONTRACT NO. 62C51						
DATE - 02/23/2017	REVISIED -											
Default	PLOT DATE = 2/23/2017	DATE - 02/23/2017	REVISIED -			ILLINOIS FED. AID PROJECT						



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

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

STAGE 2 (AFTER PAVEMENT MILLING)

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

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

LEGEND

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

LOCATION OF STRUCTURES:

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

BASIS OF PAYMENT:

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

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

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

NOTES:

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

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

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

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

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

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

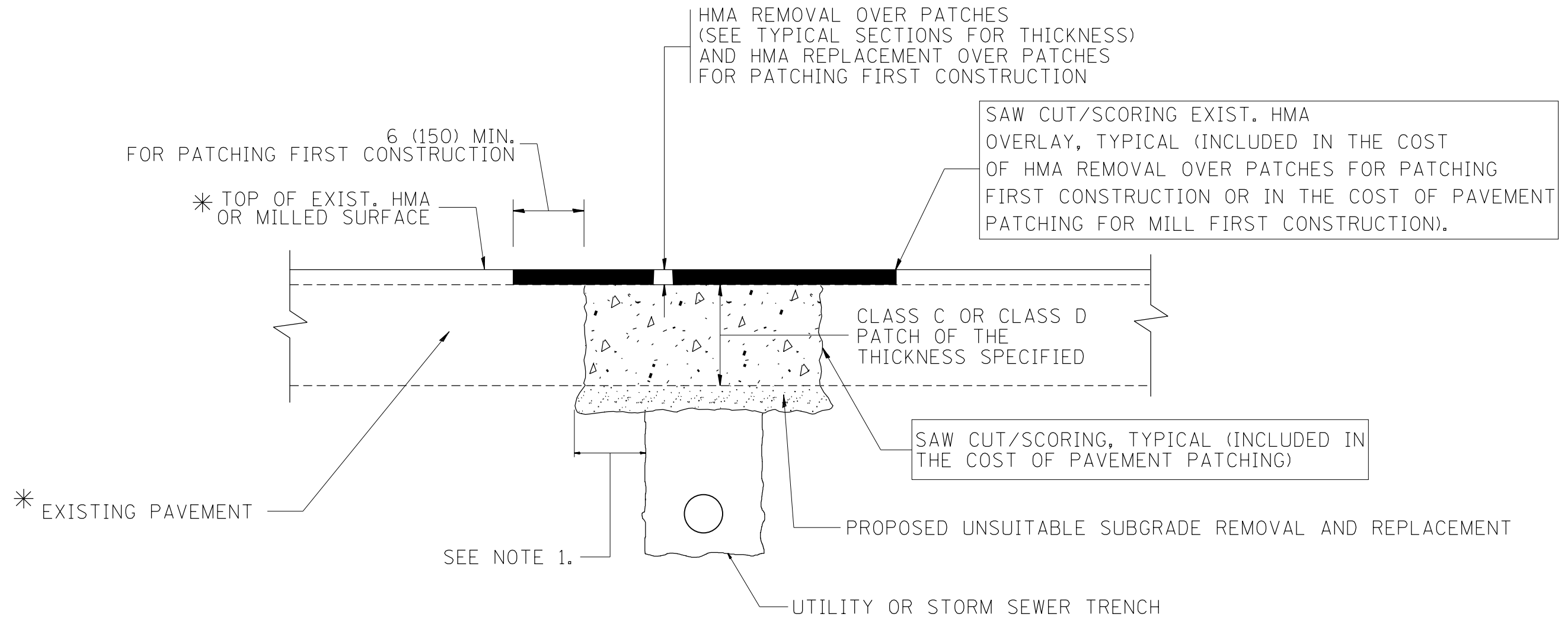
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = JOHNSTONKD	DESIGNED - R. SHAH	REVISED - R. WIEDEMAN 05-14-04
			REVISED - R. BORO 01-01-07
		CHECKED -	REVISED - R. BORO 03-09-11
		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.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2937	(3076-1 & 3077) RS-1	COOK	46	34
BD600-03 (BD-8)		CONTRACT NO. 62C51		
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.

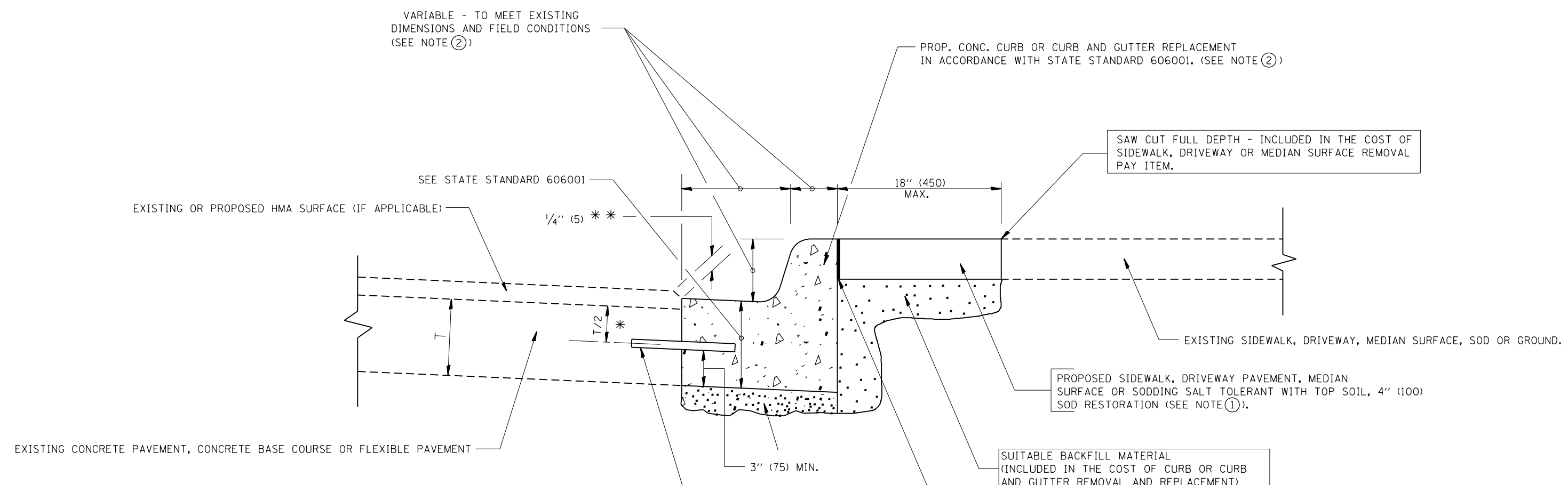
FILE NAME =	USER NAME = JOHNSTONKD	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98
pw:\IL\084EBIDINTEG\illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\DI358\BROWNS\Design\Diststd.dgn		CHECKED -	REVISED - R. BORO 01-01-07
	PLOT SCALE = 100.0000' / 1in.	DATE - 10-25-94	REVISED - R. BORO 09-04-07
	PLOT DATE = 10/9/2018		REVISED - K. ENG 10-27-08

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT PATCHING FOR
HMA SURFACED PAVEMENT**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2937	(3076-1 & 3077) RS-1	COOK	46	35
BD400-04 (BD-22)		CONTRACT NO. 62C51		
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.

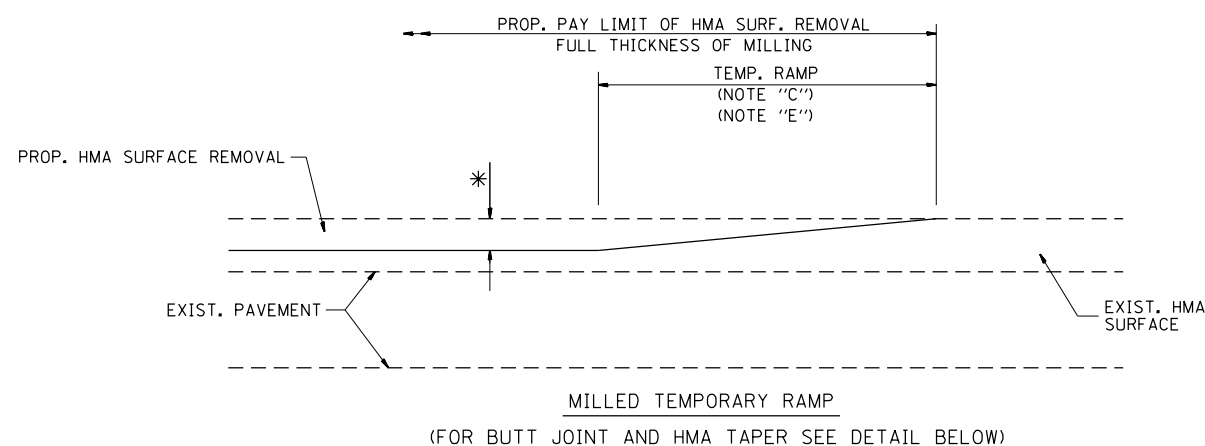
- NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.
 SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY.
- ② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED
- ③ CURB OR CURB 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.

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".

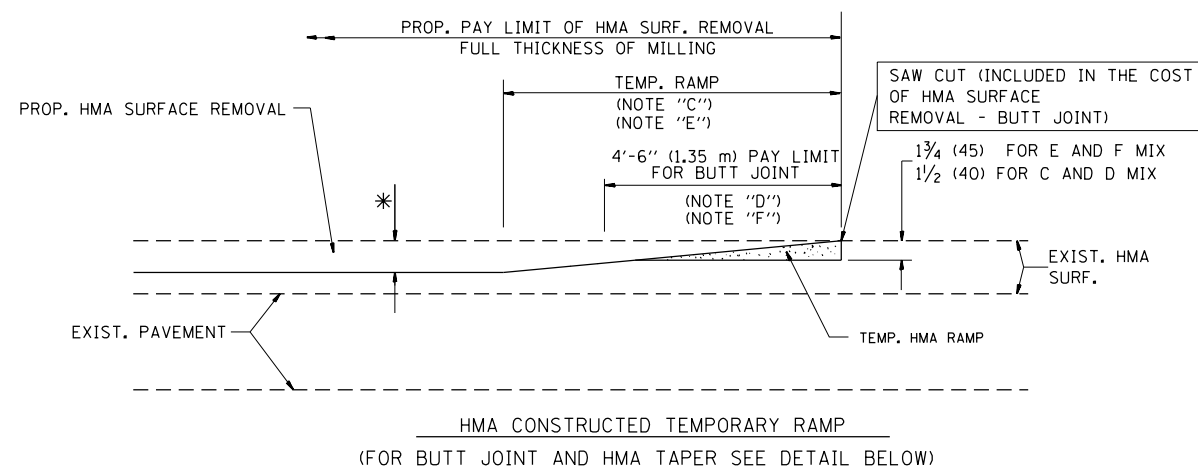
CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

FILE NAME =	USER NAME = JOHNSTONKD	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.U. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBID\INTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DI358\BROWNS\Meta\Design\Diststd.dgn	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - A. ABBAS 03-21-97			2937	(3076-1 & 3077) RS-1	COOK	46	36
PLOT DATE = 10/9/2018	DATE - 03-11-94	REVISED - M. GOMEZ 01-22-01	REVISED - R. BORO 12-15-09			BD600-06 (BD-24)		CONTRACT NO. 62C51		
						FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

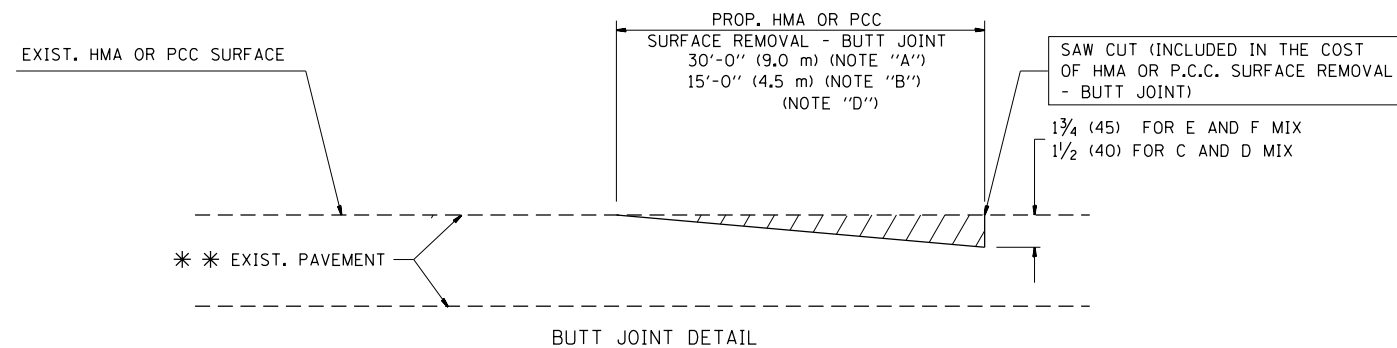


OPTION 1

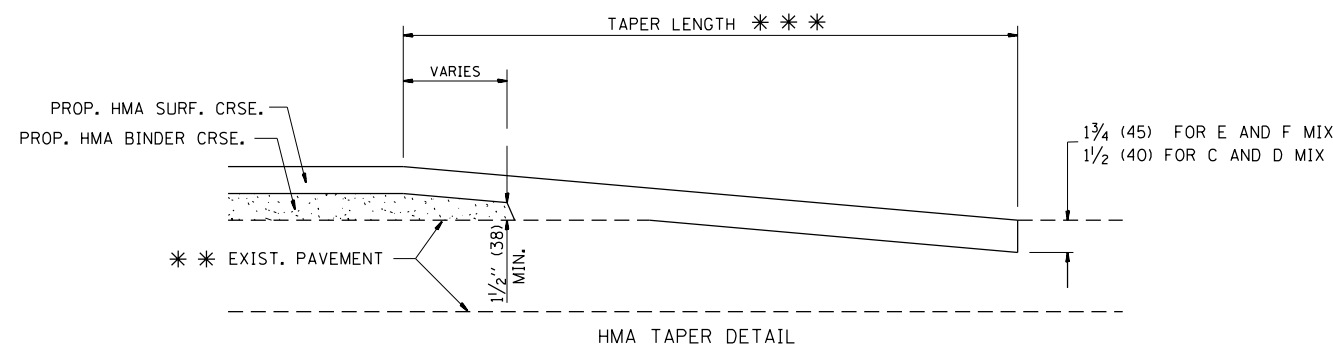


OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

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

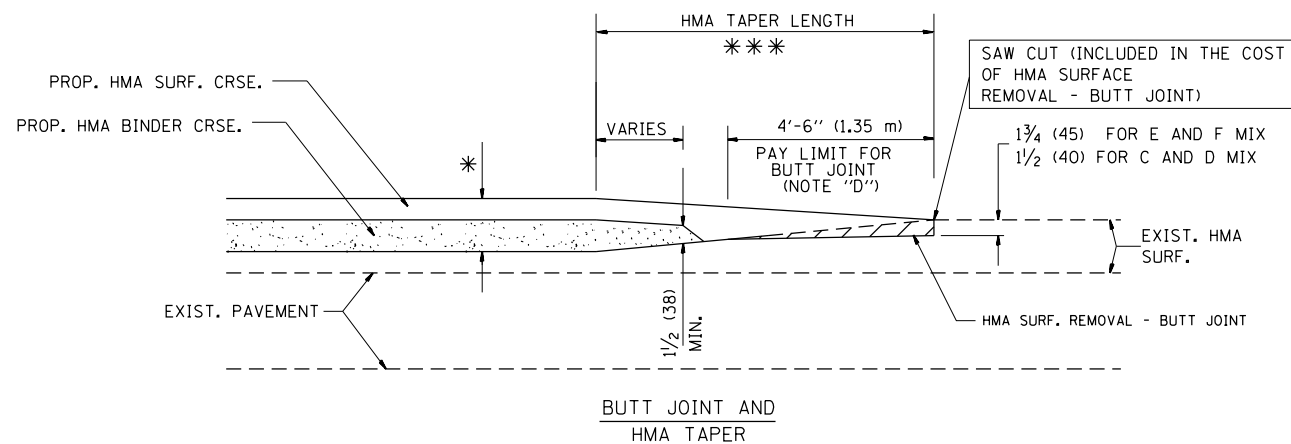
NOTES

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

BASIS OF PAYMENT:

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

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



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

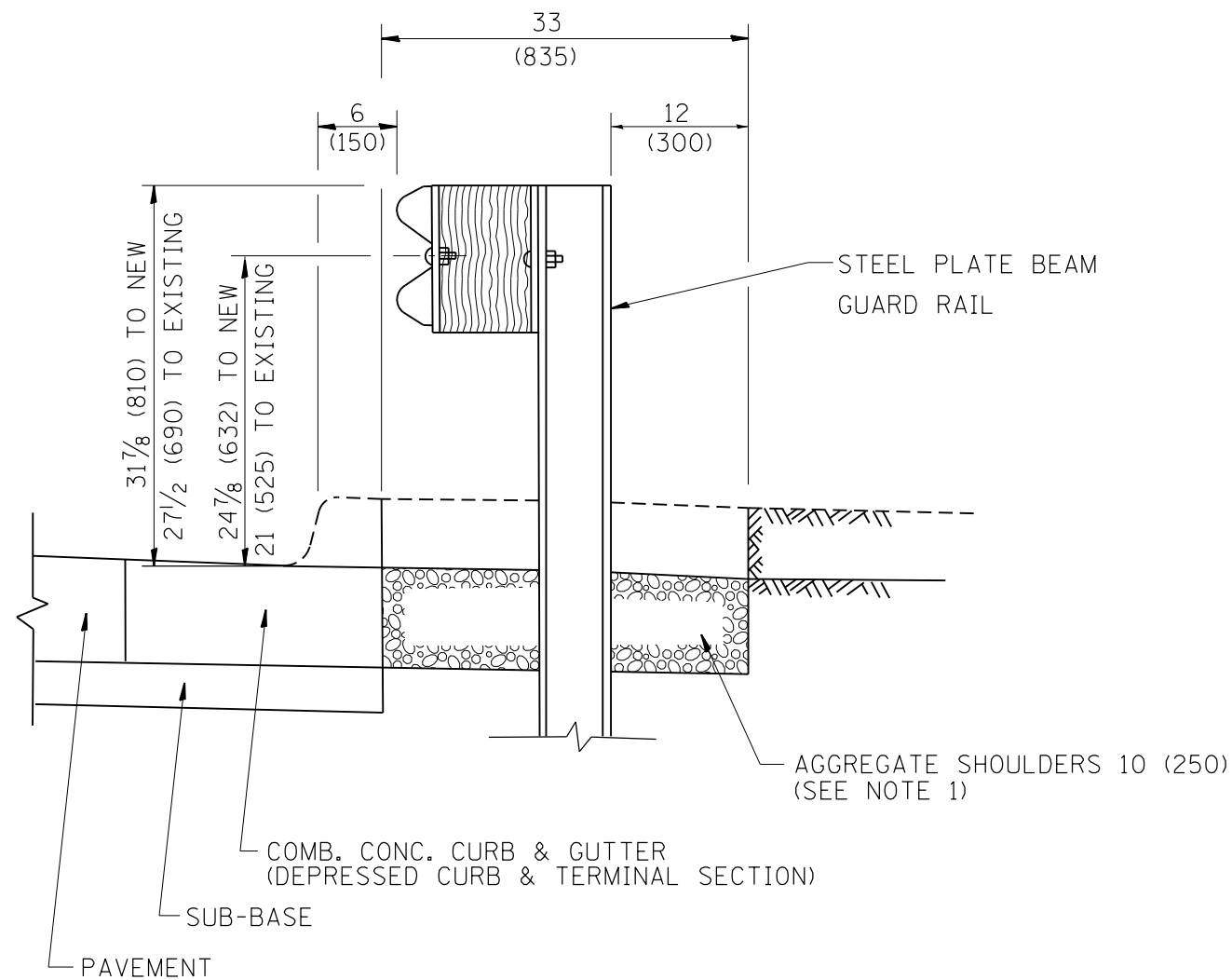
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p:\1\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI358\BROWNS\Meta\Design\Diststd.dgn			REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 10/9/2018	DATE - 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.

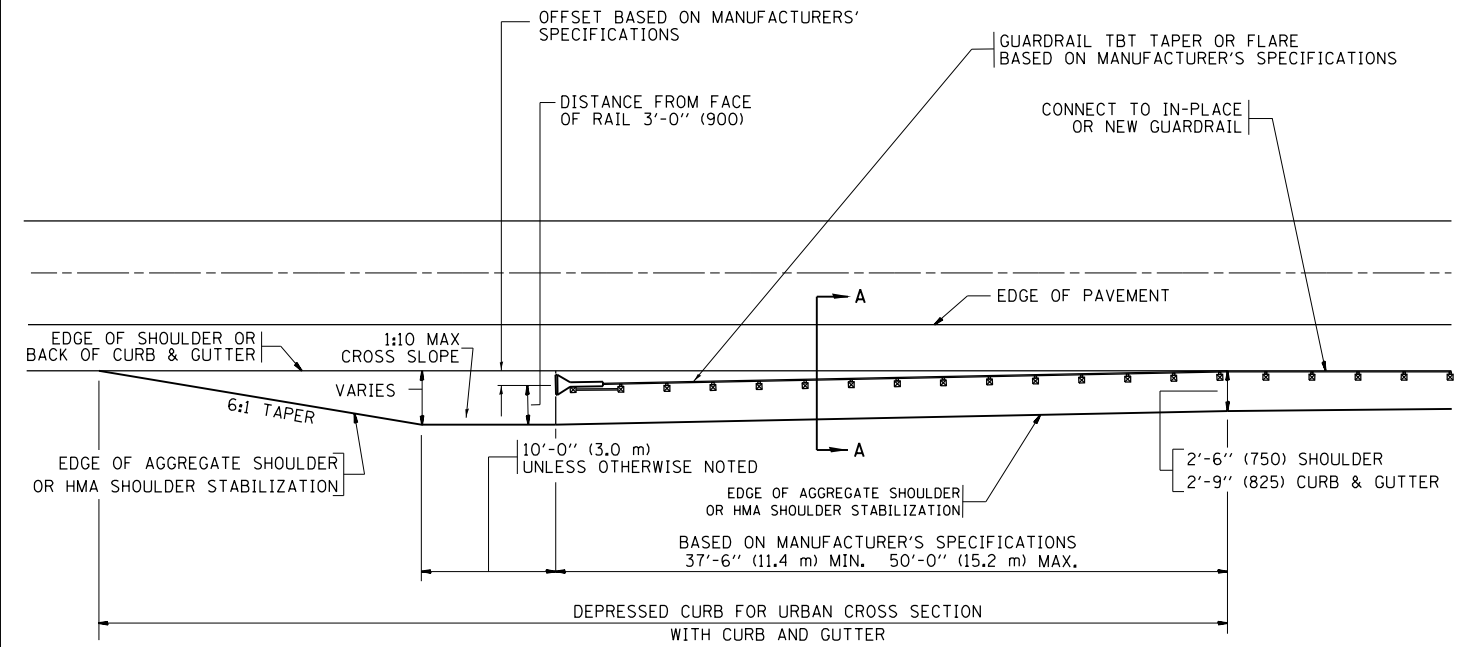
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2937	(3076-1 & 3077) RS-1	COOK	46	37
BD400-05 BD32		CONTRACT NO. 62C51		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



SECTION A-A

- NOTES:
1. THE AGGREGATE SHOULDER, 10" OR HMA SHOULDER, 6" (IF REQUIRED) SHALL EXTEND UNDER THE TRAFFIC BARRIER TERMINAL.
 2. "EXISTING" GUARDRAIL REFERS TO CONNECTING TERMINAL SECTION TO GUARD RAILING PRIOR TO THE MIDWEST GUARDRAIL SYSTEM.
 3. THE CONTRACTOR SHALL VERIFY THE TYPE/HEIGHT OF GUARDRAIL IN-PLACE BEFORE ORDERING THE NEW TERMINAL SECTION. COST INCLUDED WITH THE COST OF THE TERMINAL. THE TERMINAL SECTION HEIGHT TO BE PLACED MUST MATCH THE HEIGHT OF THE IN-PLACE GUARDRAIL.

**DETAILS FOR STEEL PLATE BEAM
GUARD RAIL ADJACENT TO CURB AND GUTTER
[FOR ROADWAY SPEED 35 MPH (60 kmh) TO 45 MPH (70 kmh)]**



**DEPRESSED CURB AND GUTTER AND
SHOULDER TREATMENT AT TBT TY. 1 SPL.**

BASIS OF PAYMENT: HMA SHOULDERS 6 (150) (IF REQUIRED) WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SHOULDERS 6" (150 mm)".

STEEL PLATE BEAM GUARD RAIL AND TRAFFIC BARRIER TERMINAL, OF THE TYPE SPECIFIED WILL BE PAID FOR SEPARATELY.

TBT = TRAFFIC BARRIER TERMINAL
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

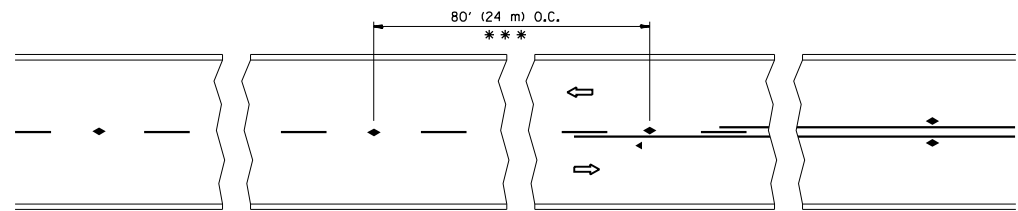
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pw:\IL\084EBIDINTEG\illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\DI358\Drawings\Design\Diststd.dgn			REVISED - R. BORO 01-01-07
	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - R. BORO 12-08-2008
	PLOT DATE = 10/9/2018	DATE - 09-22-90	REVISED - R. BORO 09-14-2009

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAILS FOR DEPRESSED CURB & GUTTER AND
SHOULDER TREATMENT AT TBT TY 1 SPL.**

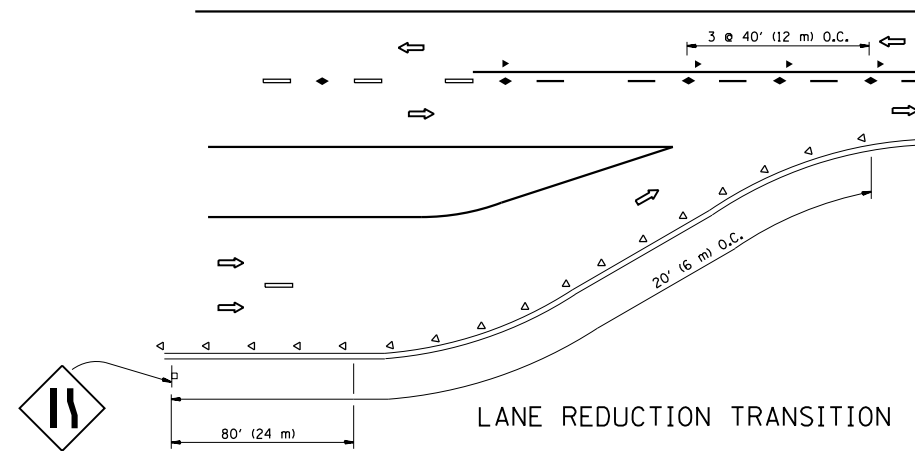
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2937	(3076-1 & 3077) RS-1	COOK	46	38
BD600-10 (BD 34)			CONTRACT NO. 62C51	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

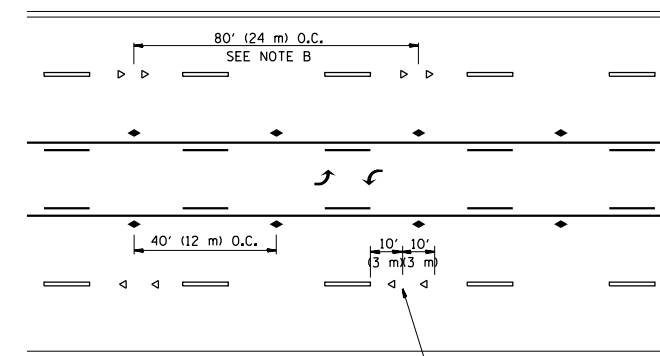


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

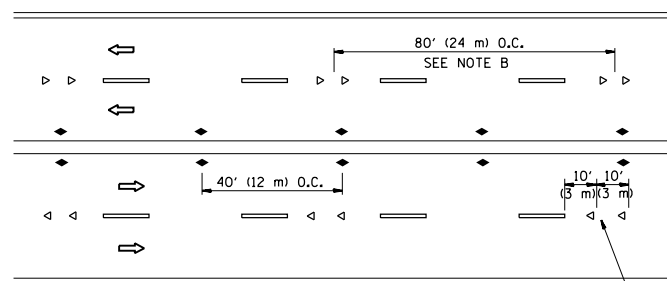
TWO-LANE/TWO-WAY



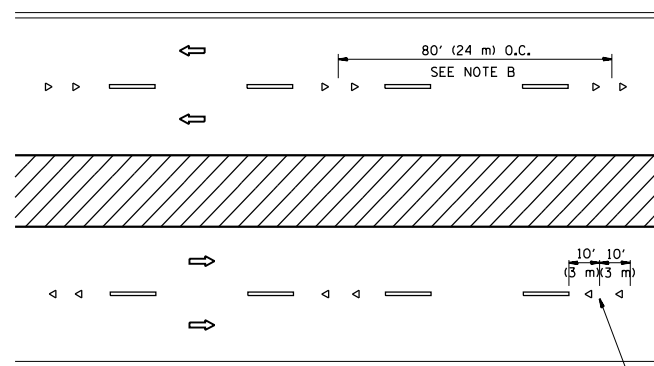
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

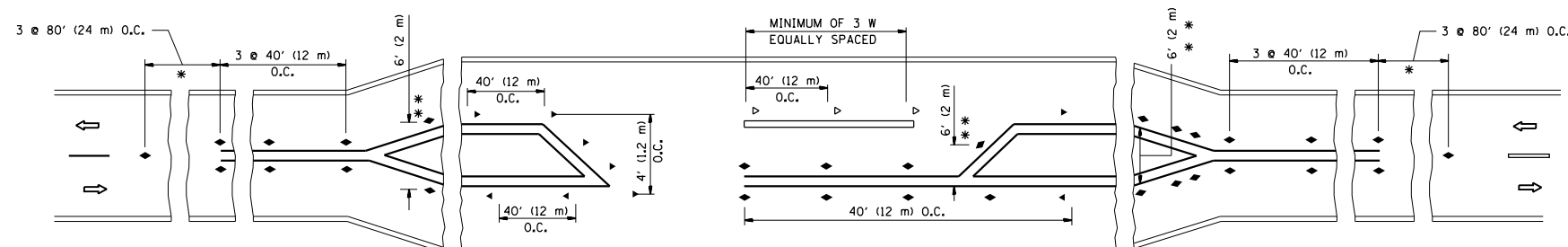
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

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

DESIGN NOTES

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



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

LEFT TURN

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

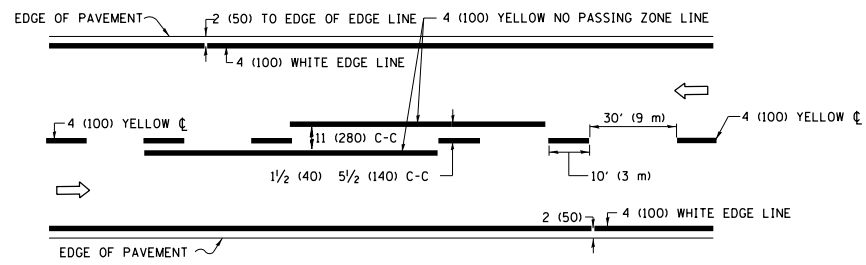
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	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - C. JUCIUS 09-09-09
	PLOT DATE = 10/9/2018	DATE -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

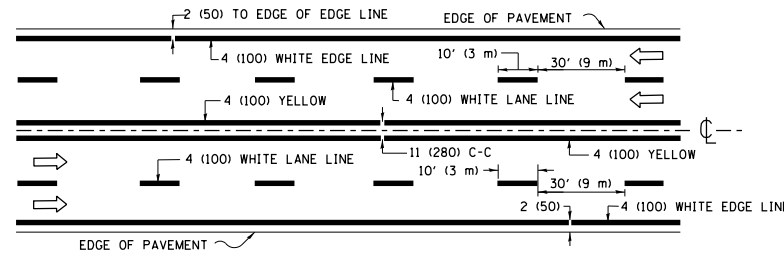
TYPICAL APPLICATIONS
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

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

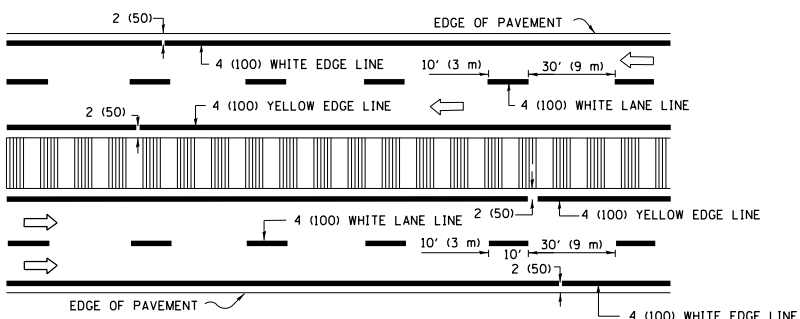
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2937	(3076-1 & 3077) RS-1	COOK	46	40
TC-11		CONTRACT NO. 62C51		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

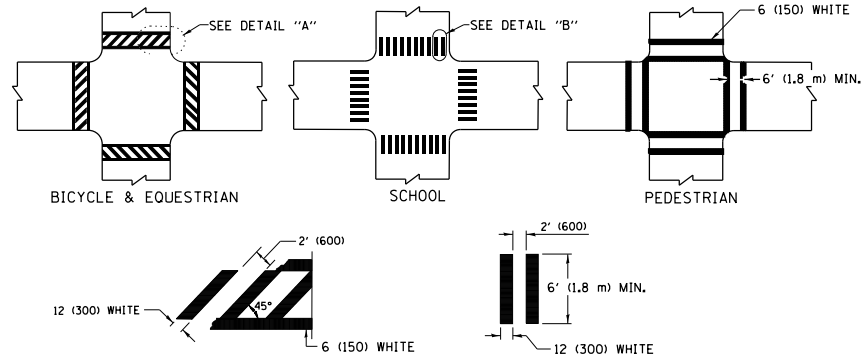


MULTI-LANE UNDIVIDED



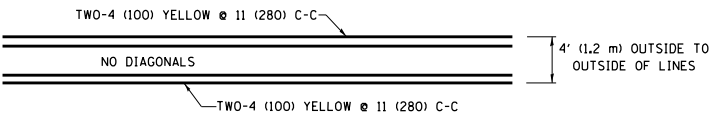
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

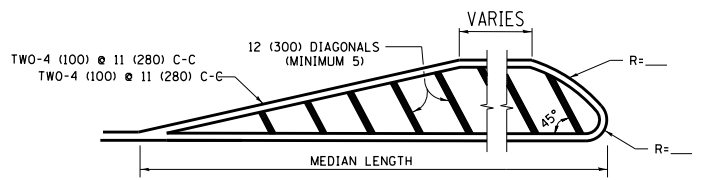


TYPICAL CROSSWALK MARKING

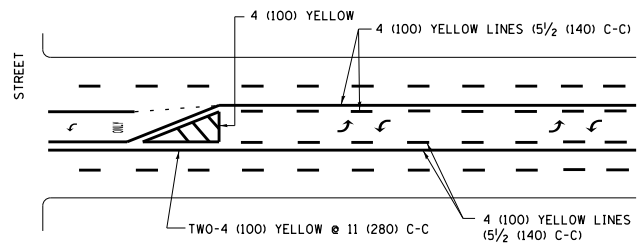
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



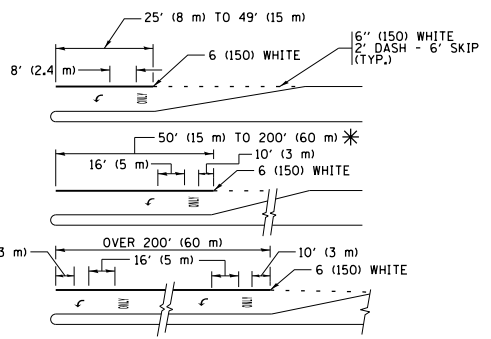
4' (1.2 m) WIDE MEDIANS ONLY



MEDIANS OVER 4' (1.2 m) WIDE



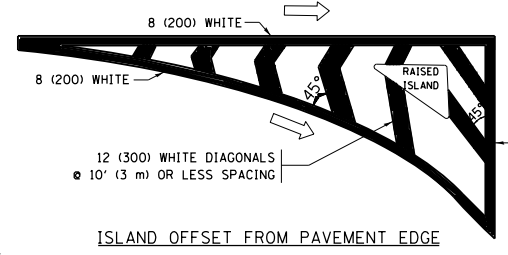
MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING



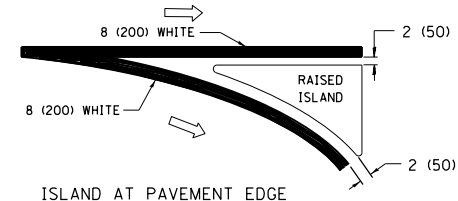
TYPICAL LEFT (OR RIGHT) TURN LANE TYPICAL TURN LANE MARKING

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)

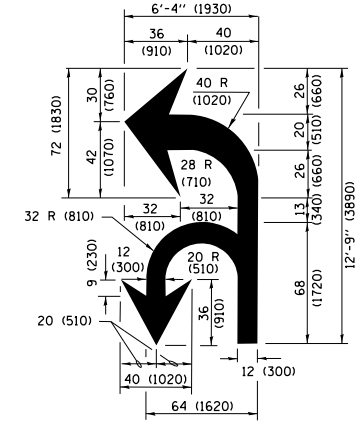
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".



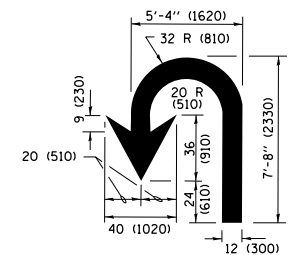
ISLAND OFFSET FROM PAVEMENT EDGE



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' (22.5 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

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

FILE NAME =	USER NAME = JOHNSTONKD	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
pw\1\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\01358\Browns\Design\Diststd.dgn			REVISED - C. JUCIUS 07-01-13
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - C. JUCIUS 12-21-15
	PLOT DATE = 10/9/2018	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE TYPICAL PAVEMENT MARKINGS

SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2937	(3076-1 & 3077) RS-1	COOK	46	41
TC-13		CONTRACT NO. 62C51	ILLINOIS FED. AID PROJECT	

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

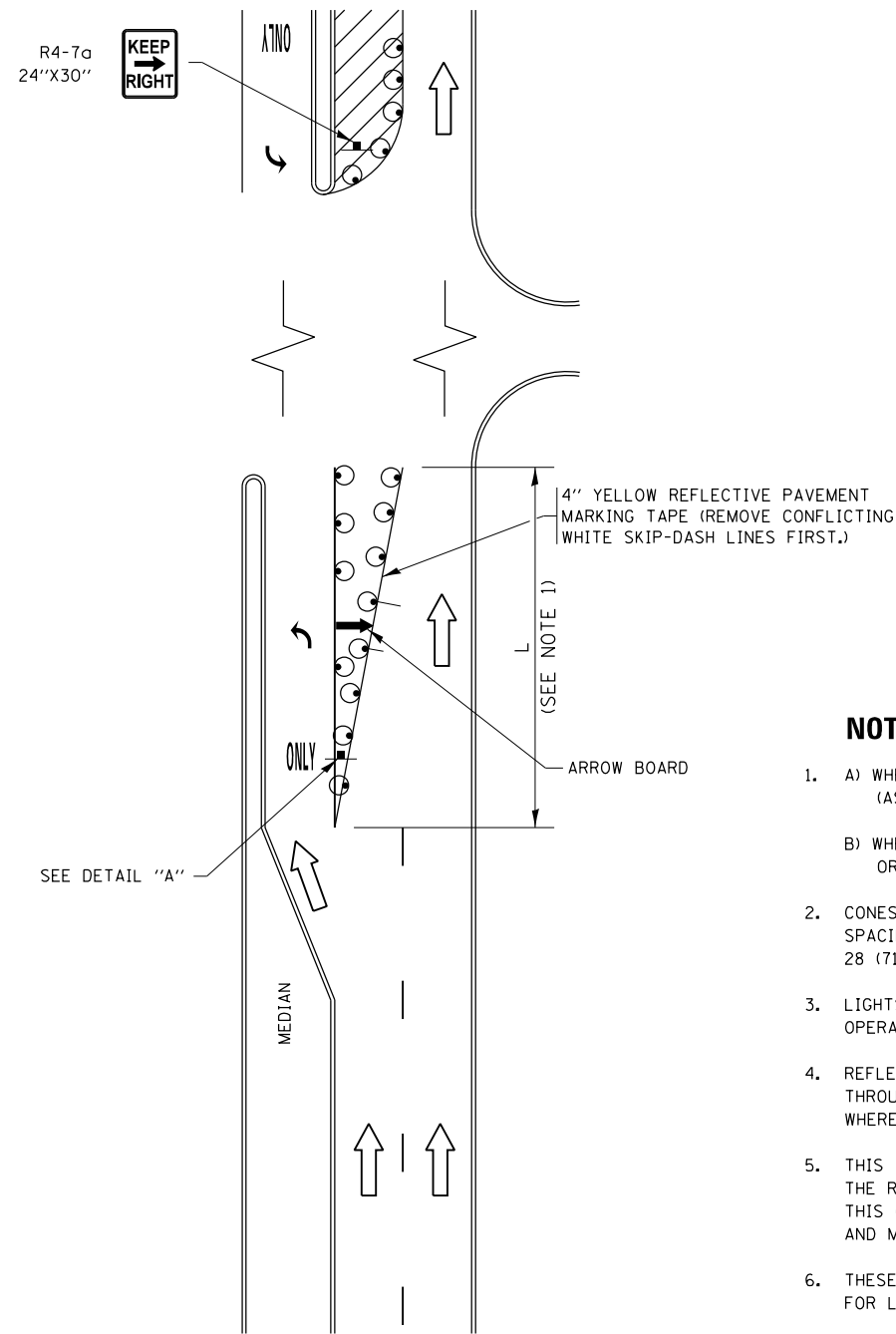


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

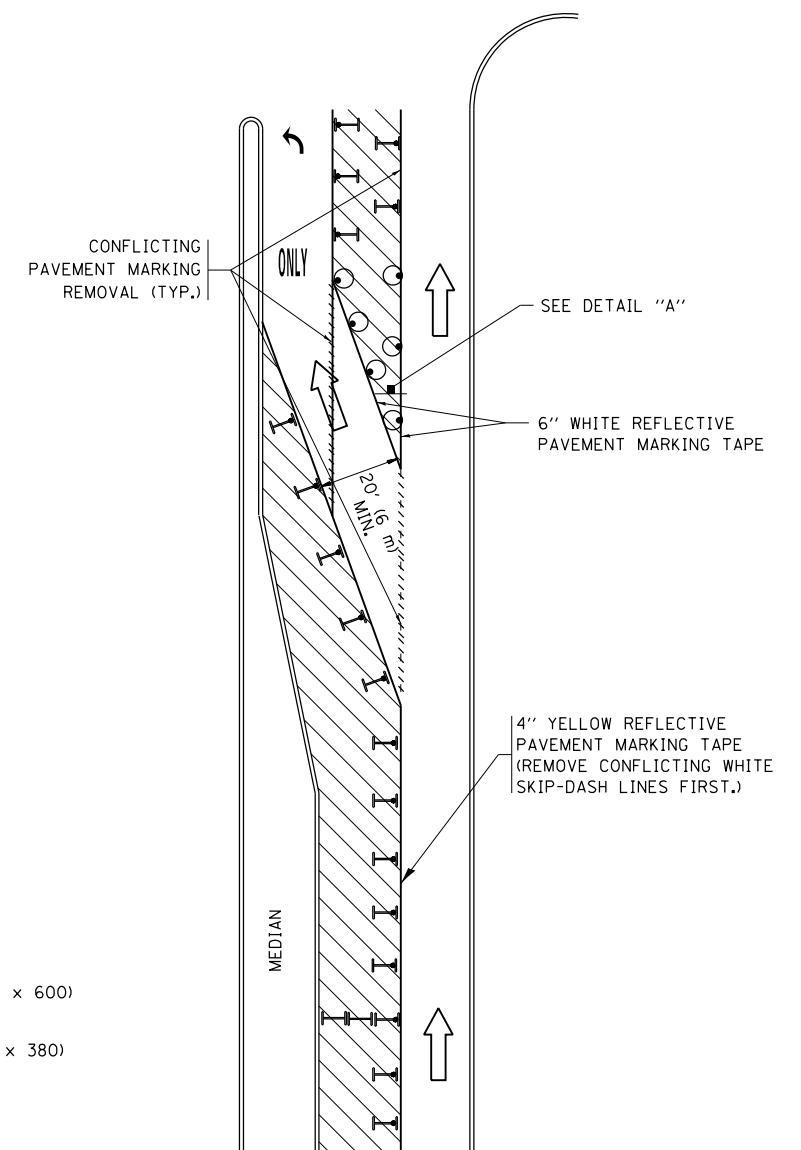


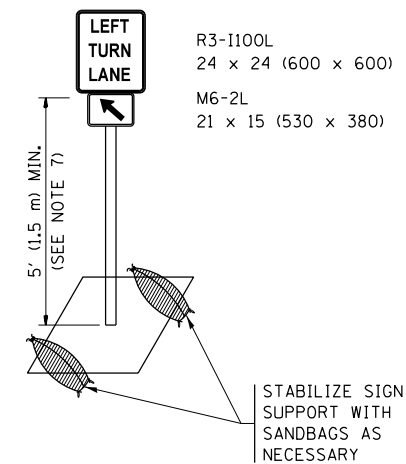
FIGURE 2

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.



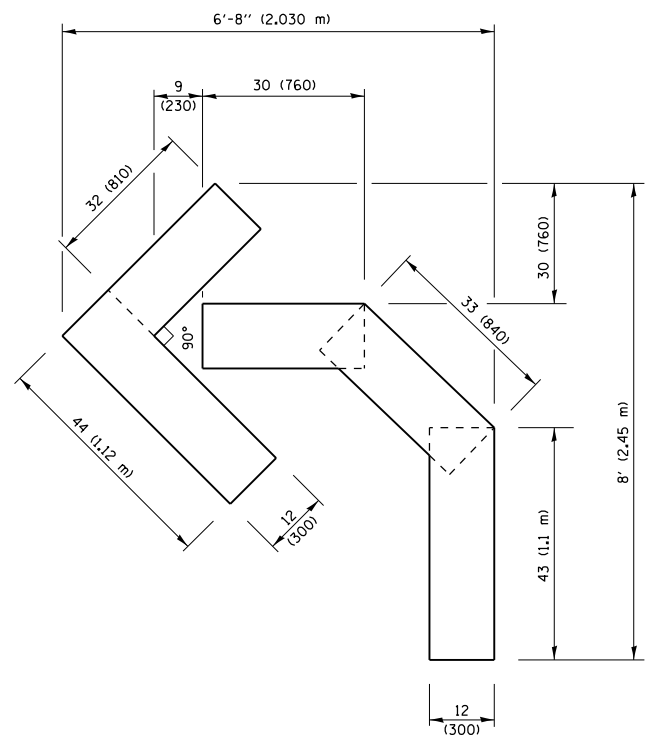
DETAIL A

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

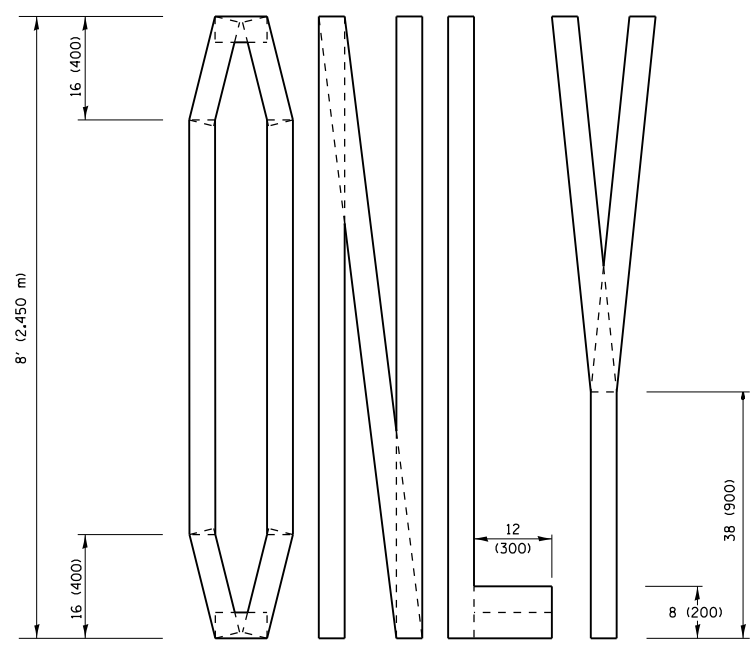
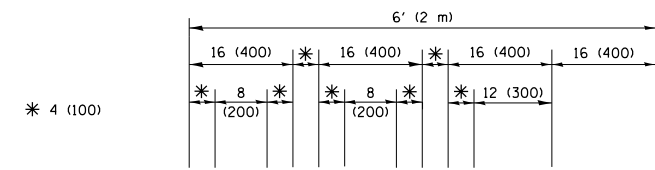
FILE NAME =	USER NAME = JOHNSTONKD	REVISED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)	F.A.U. R.E. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	PLOT SCALE = 100.0000' / in.	REVISED - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13			2937	(3076-1 & 3077) RS-1	COOK	46	42
	PLOT DATE = 10/9/2018	REVISED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16			TC-14		CONTRACT NO. 62C51		

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

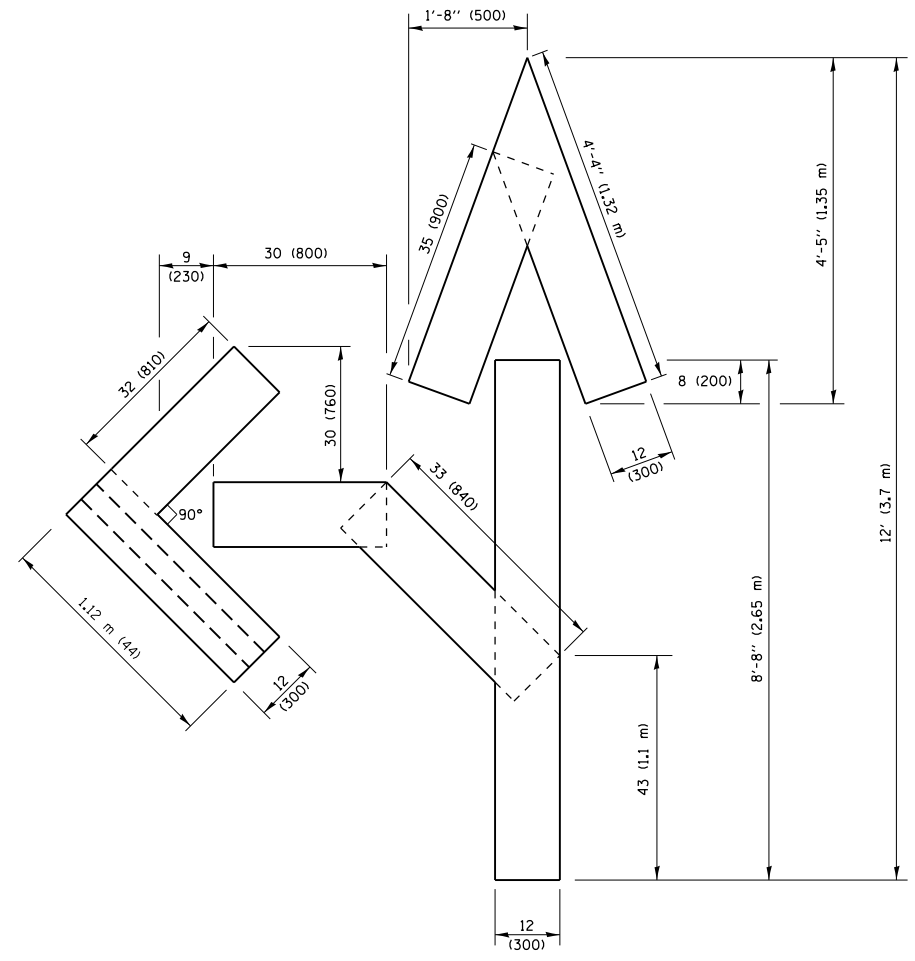
ILLINOIS FED. AID PROJECT



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

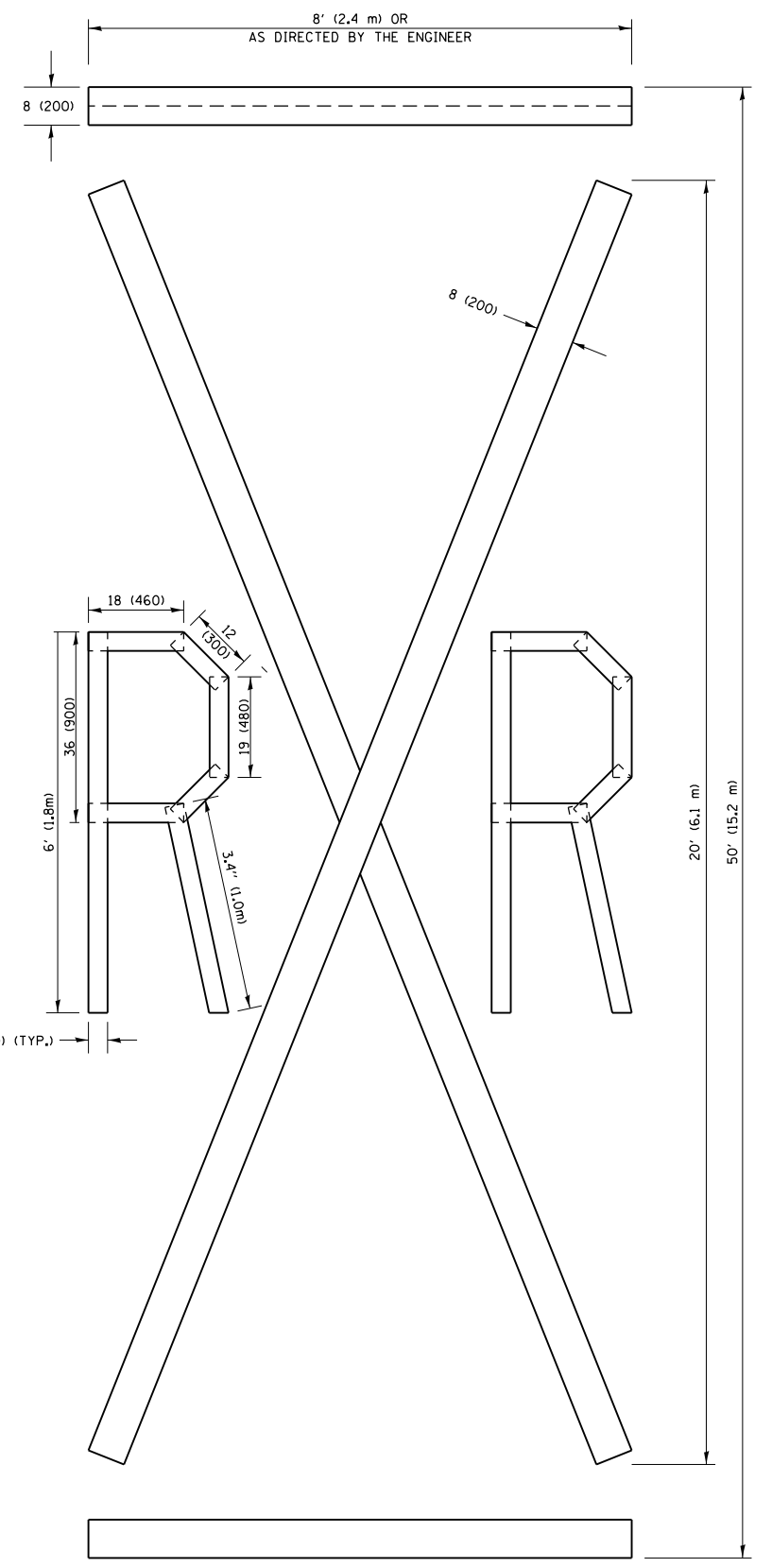


QUANTITY
 4 (100) LINE = 64.1 ft. (19.5 m)
 21.4 sq. ft. (1.99 sq. m)



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

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



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

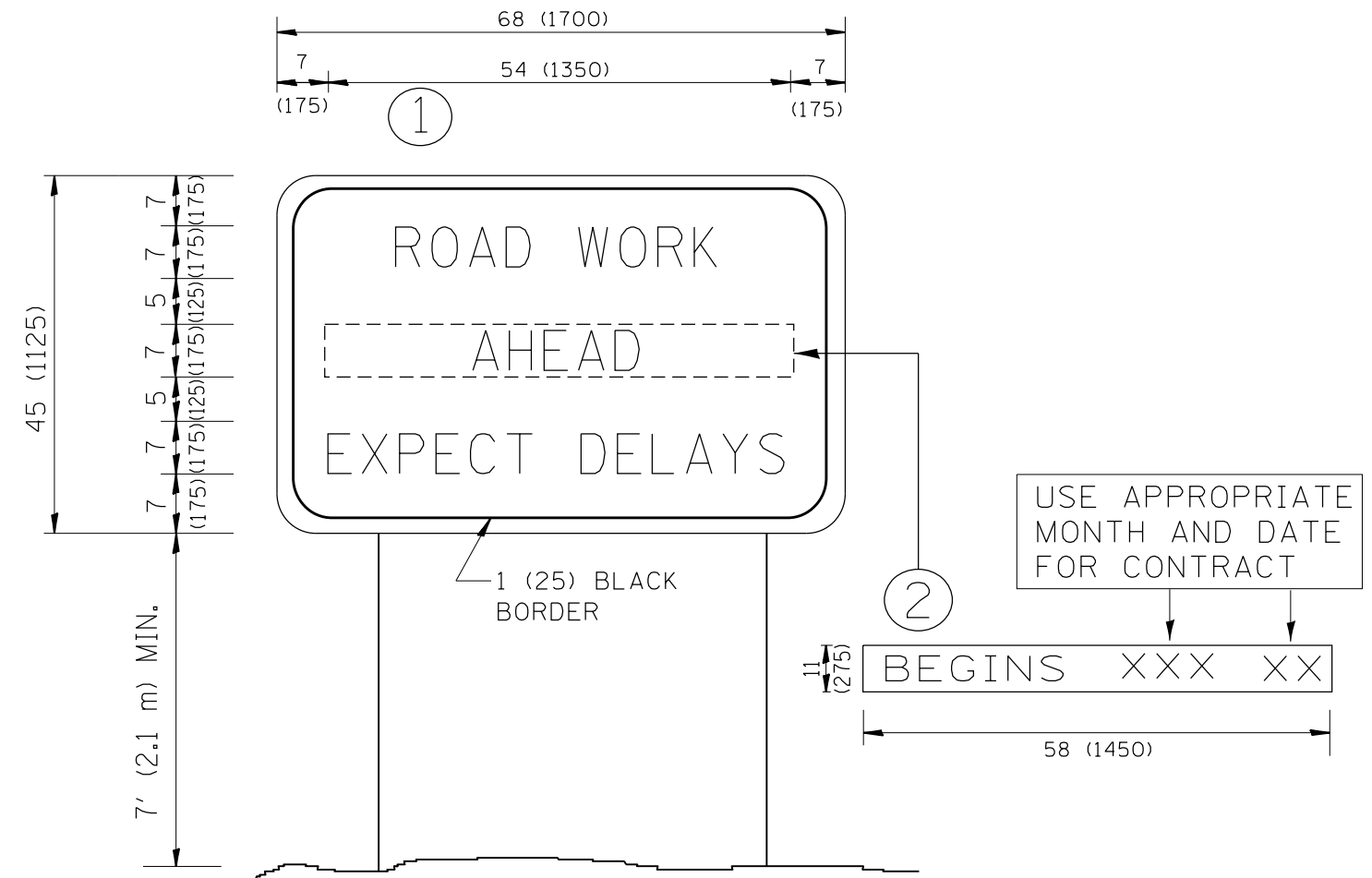
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = JOHNSTONKD	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
pw:\1\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\01358\BROWNS\Notes\Design\Diststd.dgn		REVISION	REVISED - E. GOMEZ 08-28-00
	PLOT SCALE = 100.0010' / 1"	CHECKED -	REVISED - E. GOMEZ 08-28-00
	PLOT DATE = 10/9/2018	DATE - 09-18-94	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.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2937	(3076-1 & 3077) RS-1	COOK	46	43
TC-16		CONTRACT NO. 62C51		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

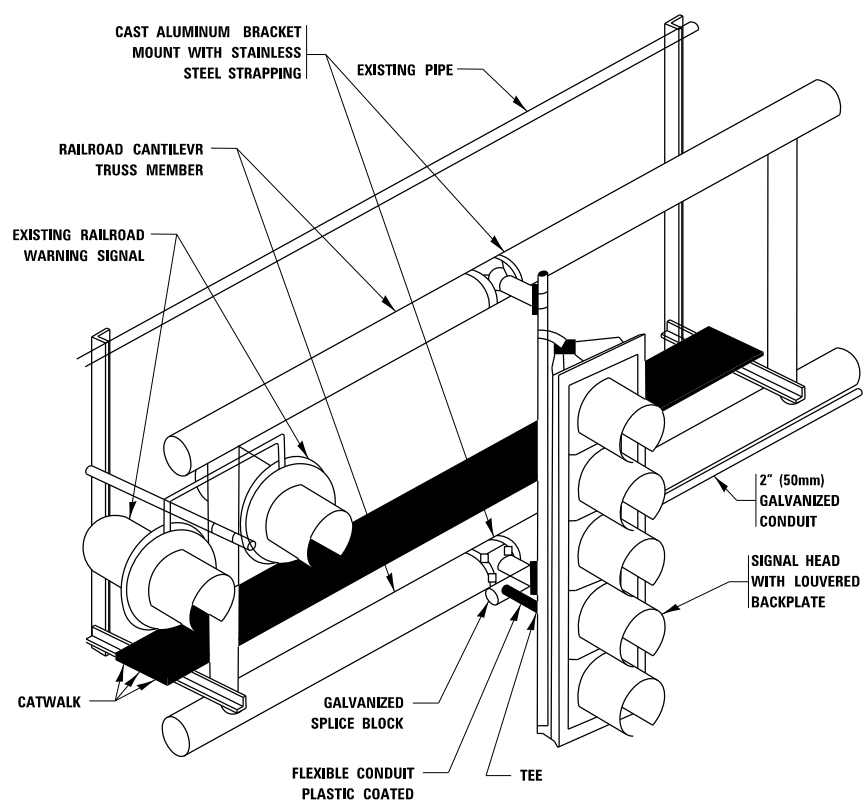


NOTES:

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 = JOHNSTONKD	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\11\084EBIDINTEG.illinois.gov\PIDOT\Documents\DOT Offices\District 1\Projects\DI358\Drawings\Design\Diststd.dgn			REVISED - R. MIRS 12-11-97		2937	(3076-1 & 3077) RS-1	COOK	46	44			
PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99			TC-22			CONTRACT NO. 62C51				
PLOT DATE = 10/9/2018	DATE -	REVISED - C. JUCIUS 01-31-07			SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			



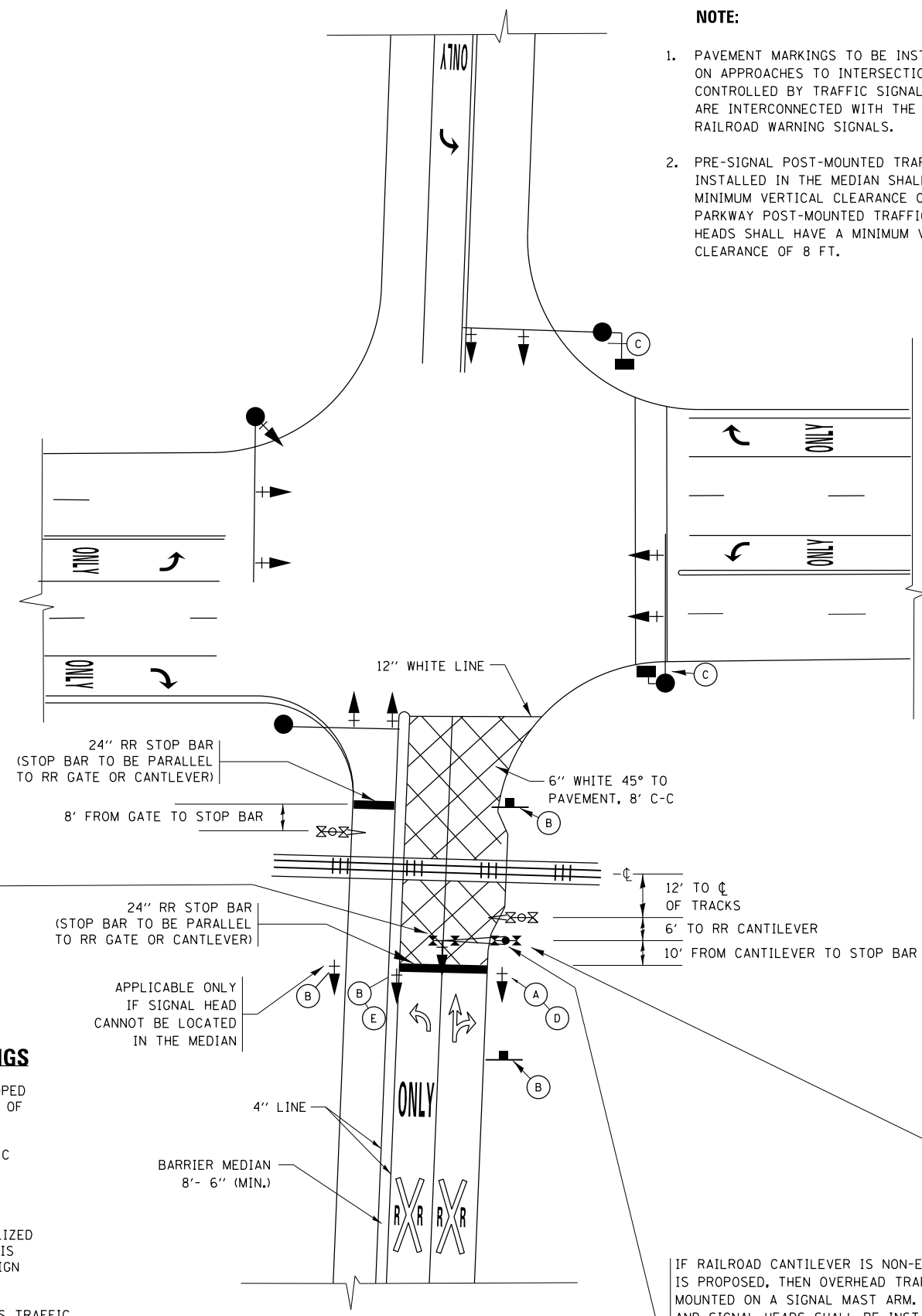
RAILROAD CANTILEVER SIGNAL HEAD MOUNTING
 USE NON-CONDUCTIVE SPACERS BETWEEN THE TRAFFIC SIGNAL EQUIPMENT AND THE RAILROAD CANTILEVER TO PREVENT DISSIMILAR METAL CORROSION
 N.T.S.

SIGNING AND PAVEMENT MARKING AT RAILROAD CROSSINGS

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

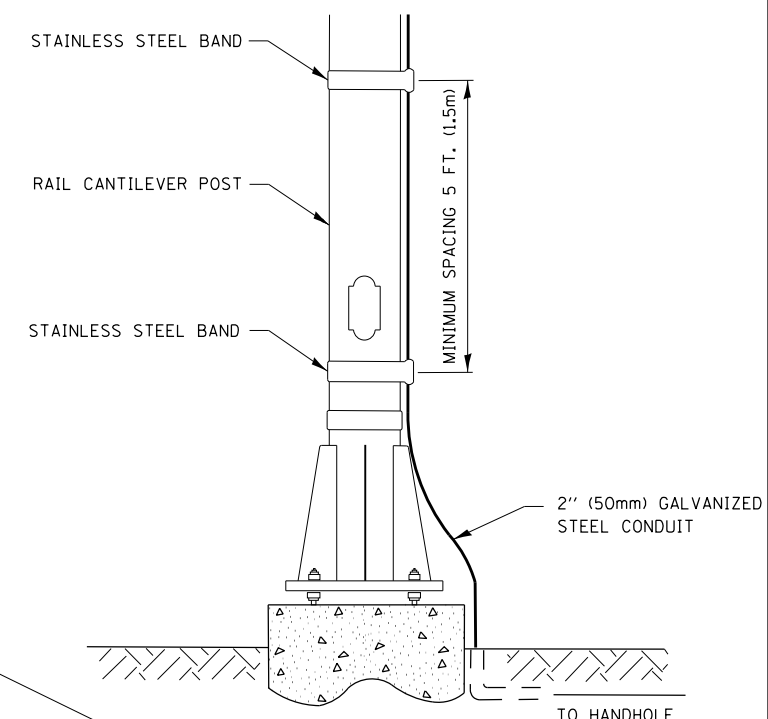
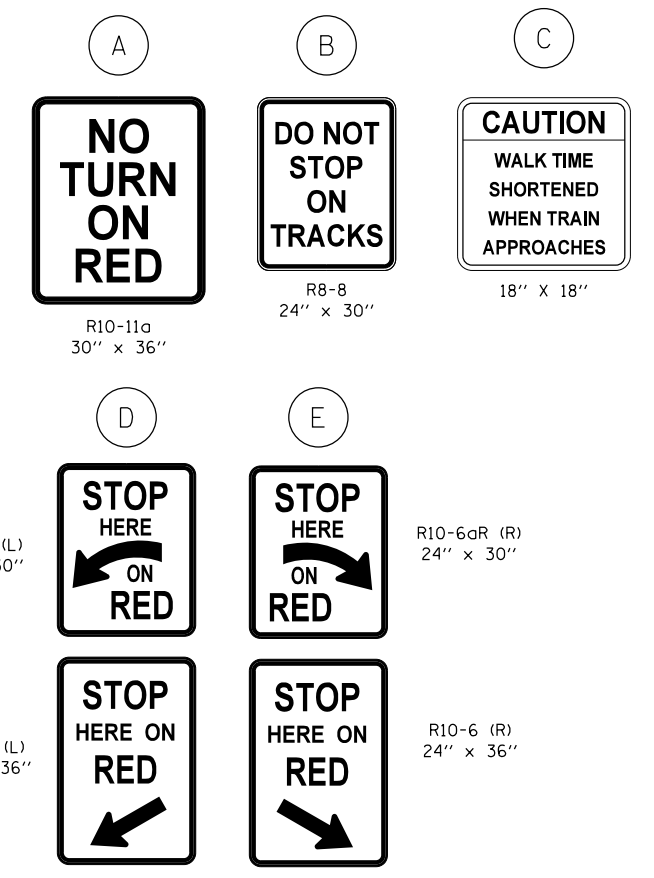
THIS APPLIES TO PROJECTS WHICH INCLUDE RAILROAD INTERCONNECTED TRAFFIC SIGNALS, WITH OR WITHOUT PRE-SIGNALS. THIS STANDARD ALSO APPLIES TO NON-SIGNALIZED INTERSECTIONS THAT ARE WITHIN 81 FEET OF A RAILROAD GRADE CROSSING. THE ILLINOIS SUPPLEMENT TO THE MUTCD SHOULD BE CONSULTED FOR ADDITIONAL INFORMATION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

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



SIGNALIZED INTERSECTION WITH NEAR-SIDE TRAFFIC SIGNAL

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



SIGNAL CONDUIT CONNECTION TO RAIL CANTILEVER DETAIL

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

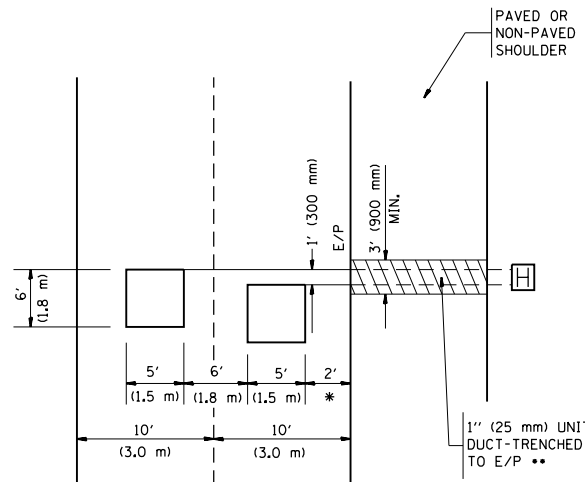
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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

FILE NAME =	USER NAME = JOHNSTONKD	DESIGNED -	REVISED - 02-25-11	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING TREATMENT FOR RAILROAD CROSSINGS				F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG\illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\DI358\Drawings\Design\Diststd.dgn		CHECKED -	REVISED - 04-26-12		2937	(3076-1 & 3077) RS-1	COOK	46	45				
Default	PLOT SCALE = 100.0000' / 1in.	DATE -	REVISED - A.R. 07-11-16		TC-23				CONTRACT NO. 62C51				
	PLOT DATE = 10/9/2018		REVISED -		SCALE: NONE	SHEET 1	OF 2 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT				

LOOPS NEXT TO SHOULDERS

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



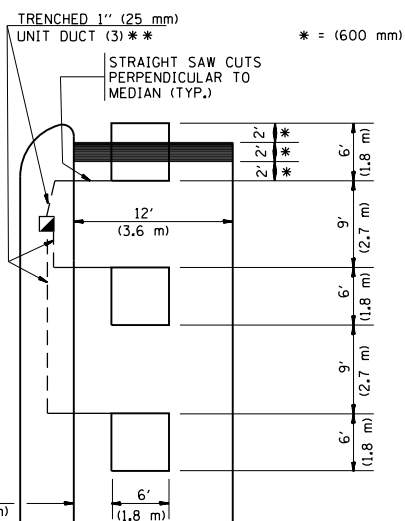
* = (600 mm)

** 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.



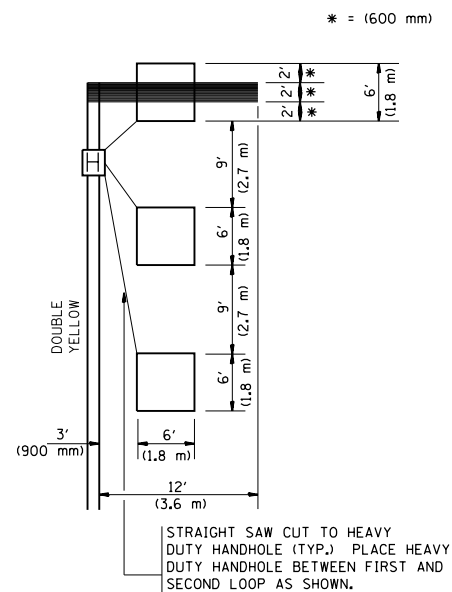
* = (600 mm)

** 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**

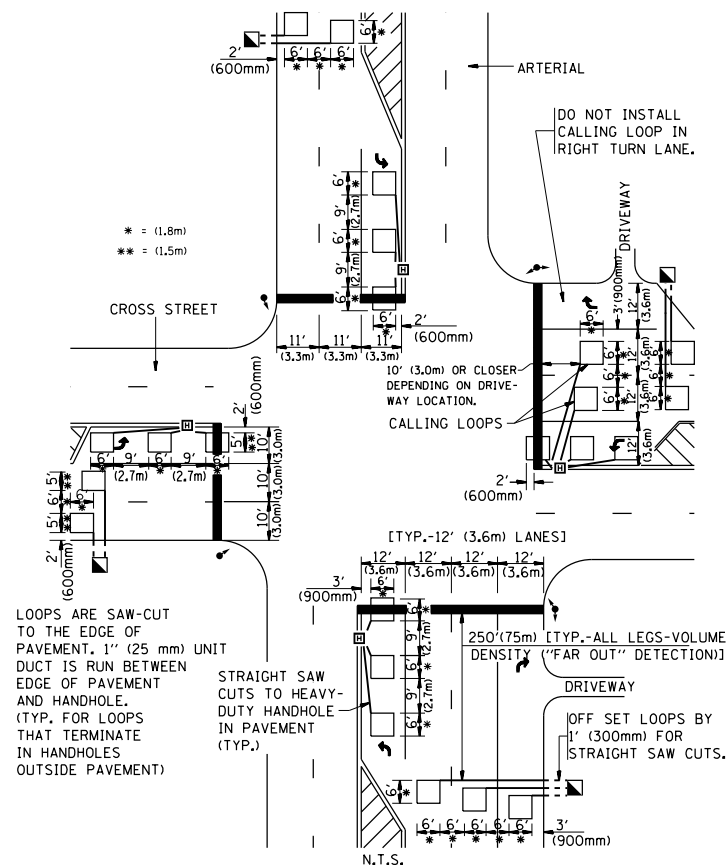
(PROTECTED / PERMITTED LEFT TURN PHASING)



* = (600 mm)

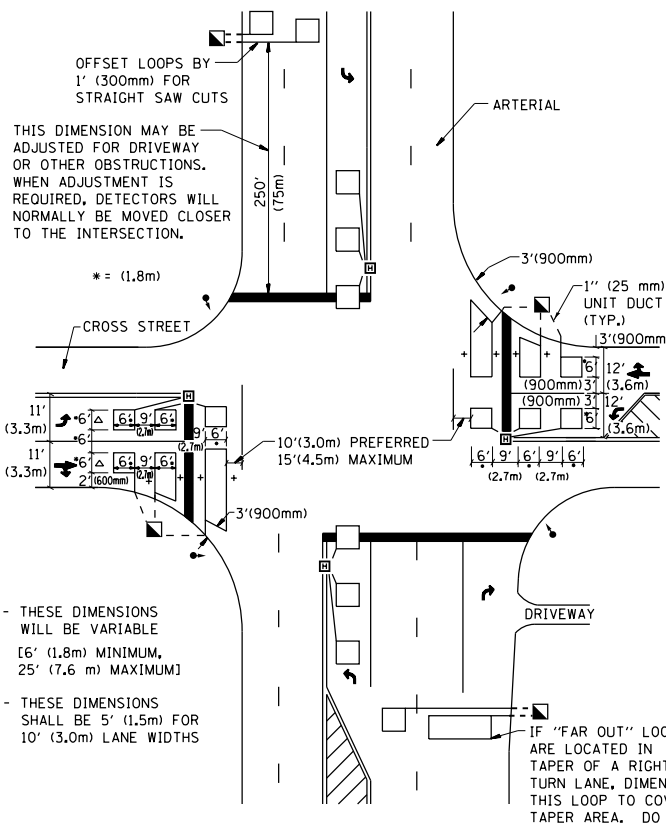
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

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



DETAIL 1
N.T.S.

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



DETAIL 2
N.T.S.

NOTES:

VEHICLES LOOP DETECTORS

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

PLACEMENT OF DETECTORS

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

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

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

NOTE:

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

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

FILE NAME =	USER NAME = JOHNSTONKD	DESIGNED -	REVISED -
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	PLOT SCALE = 100.0000' / 1"	CHECKED - R.K.F.	REVISED -
	PLOT DATE = 10/9/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT 1 - DETECTOR LOOP INSTALLATION
DETAILS FOR ROADWAY RESURFACING**

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

F.A.U. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2937	(3076-1 & 3077) RS-1	COOK	46	46
TS-07			CONTRACT NO. 62C51	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				