

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	3127(1,2,3&3.1)RS-3	COOK, WILL	73	1
CONTRACT NO. 62F49				

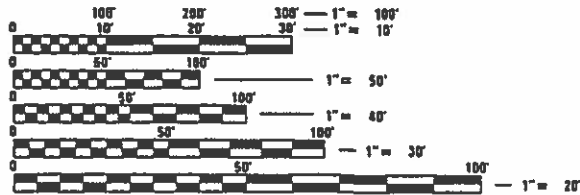
\* 72 + 1 = 73 TOTAL SHEETS  
D-91-005-18

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT IS LOCATED IN:  
THE VILLAGE OF FRANKFORT  
THE VILLAGE OF MATTESON  
THE VILLAGE OF ORLAND PARK  
THE VILLAGE OF TINLEY PARK

TRAFFIC DATA

ROUTE SEGMENT	SPEED	ADT (YEAR)
IL 43 (HARLEM AVENUE)		
US 6 (159TH ST.) TO 167TH ST.	40 MPH	31,600 (2017)
167TH ST. TO 171ST ST.	40 MPH	32,500 (2017)
171ST ST. TO HICKORY ST.	40 MPH	35,300 (2017)
HICKORY ST. TO 179TH ST.	40 MPH	33,800 (2017)
179TH ST. TO 183RD ST.	45 MPH	33,800 (2017)
183RD ST. TO I-80 (MOLINE EXPY.)	45 MPH	30,300 (2017)
I-80 (MOLINE EXPY.) TO OAK PARK AVE.	45 MPH	25,200 (2017)
OAK PARK AVE. TO VOLLMER RD.	45 MPH	26,300 (2017)
VOLLMER RD. TO US 30 (LINCOLN HWY.)	45 MPH	15,800 (2017)



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

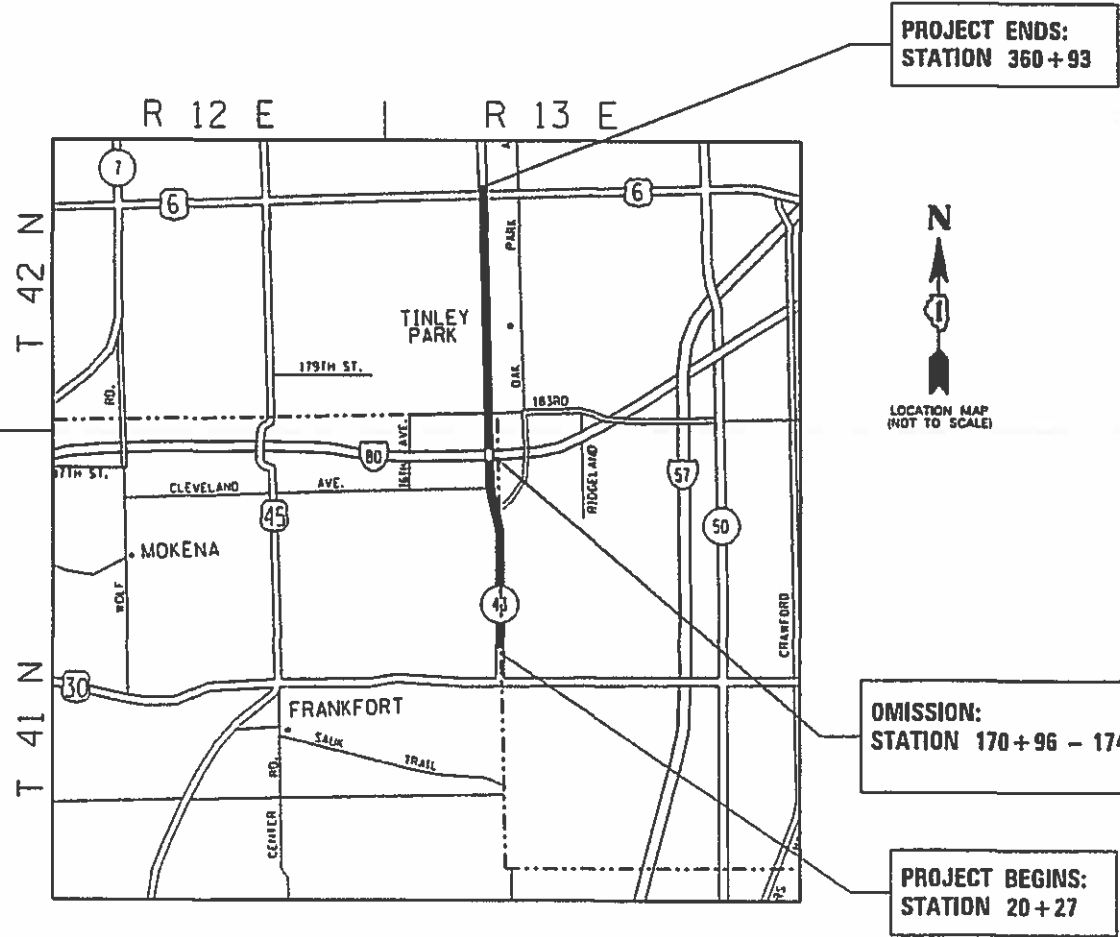
J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123  
OR 811

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

CONTRACT NO. 62F49

**PROPOSED  
HIGHWAY PLANS**  
FAP ROUTE 348: IL 43 (HARLEM AVENUE)  
US 30 (LINCOLN HIGHWAY) TO US 6 (159TH STREET)  
SECTION: 3127(1,2,3&3.1)RS-3  
PROJECT: NHPP-T3A7(827)  
RESURFACING (3P), PEDESTRIAN RAMPS  
COOK AND WILL COUNTIES

C-91-002-18



GROSS LENGTH = 34,066 FT. = 6.45 MILES  
NET LENGTH = 33,748 FT. = 6.39 MILES



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
SUBMITTED December 4, 2018  
Anthony A. Dragos (AS) REGIONAL ENGINEER  
February 20, 2019 A. EK  
ENGINEER OF DESIGN AND ENVIRONMENT  
February 20, 2019  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

STATE STANDARDS

GENERAL NOTES

SHEET NO.	DESCRIPTION	STANDARD NO.	DESCRIPTION	
1	COVER SHEET	000001-07	TYPICAL SYMBOLS, ABBREVIATIONS AND PATTERNS	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 REQUIRED)
2	INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES	424001-11	PERPENDICULAR CURP RAMPS FOR SIDEWALKS	2. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGES OF FRANKFORT, MATTESON, ORLAND PARK AND TINLEY PARK.
3-6	SUMMARY OF QUANTITIES	424006-04	DIAGONAL CURP RAMPS FOR SIDEWALKS	3. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT THE WRITTEN PERMISSION OF THE DEPARTMENT.
7-11	EXISTING AND PROPOSED TYPICAL SECTIONS	424011-04	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS	4. 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 ENGINEER.
12-24	ROADWAY AND PAVEMENT MARKING PLAN	424021-05	DEPRESSED CORNER FOR SIDEWALKS	5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
25	DRAINAGE DETAIL PLAN	442101-09	CLASS B PATCHES	6. ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
26-48	SIDEWALK DETAIL PLAN	442201-03	CLASS C AND D PATCHES	7. ALL PAVEMENT PATCHING, CURB AND GUTTER REMOVAL AND REPLACEMENT, DRAINAGE ADJUSTMENT LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
49-60	DETECTOR LOOP REPLACEMENT PLAN	542001-06	CONCRETE END SECTIONS FOR PIPE CULVERTS 15" (375 MM) THRU 84" (2100 MM) DIA.	8. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
61	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING (BD-08)	606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER	9. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
62	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22)	606301-04	PC CONCRETE ISLANDS AND MEDIANS	10. 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 AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.
63	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT (BD-24)	630001-12	STEEL PLATE BEAM GUARDRAIL	11. WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES WHERE THE SPEED LIMIT IS 45 MPH OR LESS, AND 1 INCH WHERE THE SPEED LIMIT IS OVER 45 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 1:3 (V:H).
64	BUTT JOINT AND HMA TAPER DETAILS (BD-32)	642001-02	SHOULDER RUMBLE STRIPS, 16 IN.	12. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
65	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)	701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE	13. THE RESIDENT ENGINEER SHALL CONTACT PATRICE HARRIS, ARTERIAL TRAFFIC FIELD ENGINEER, AT PATRICE.HARRIS@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
66	TYPICAL APPLICATIONS - RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) (TC-11)	701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY	14. 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.
67	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)	701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE	15. PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
68	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) (TC-14)	701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS	16. 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.
69	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING (TC-16)	701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY	17. 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.
70	ARTERIAL ROAD INFORMATION SIGN (TC-22)	701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS >= 45 MPH	18. 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.
70A	DRIVEWAY ENTRANCE SIGNING (TC-26)	701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS <= 40 MPH	19. ALL PROPOSED SIDEWALK RAMPS WITHIN THE LIMITS OF THE PROJECT SHALL CONFORM TO CURRENT ADA REQUIREMENTS AND APPLICABLE STATE HIGHWAY STANDARDS OR AS DETERMINED BY THE ENGINEER.
71	STANDARD TRAFFIC SIGNAL DESIGN DETAILS (TS-05, SHEET 2 OF 7)	701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED	20. CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES DURING CONSTRUCTION.
72	DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING (TS-07)	701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN	
		701602-10	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	
		701901-08	TRAFFIC CONTROL DEVICES	
		780001-05	TYPICAL PAVEMENT MARKINGS	
		886001-01	DETECTOR LOOP INSTALLATIONS	

FILE NAME =	USER NAME = Bilgramisa	DESIGNED - SB	REVISED - SB 1/22/19	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, STATE STANDARDS, & GENERAL NOTES		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL084EBIDINTEG\illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\DI00501\Drawings\SB00518-sht-genote.dgn		01/22/2019	01/22/2019		IL 43 (HARLEM AVENUE) – US 6 (159TH STREET) TO US 30 (LINCOLN HIGHWAY)		348	3127(1,2,3&3,1)RS-3	COOK,WILL	72	2
									CONTRACT NO. 62F49		
Default					SCALE:		SHEET	OF	SHEETS	STA.	TO STA.
ILLINOIS FED. AID PROJECT											

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		80% FEDERAL 20% STATE COOK COUNTY 0005	80% FEDERAL 20% STATE WILL COUNTY 0005				
20200100	EARTH EXCAVATION	CU YD	236	233	3				
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	451	342	109				
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	6	4	2				
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	6	4	2				
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	6	4	2				
25200110	SODDING, SALT TOLERANT	SQ YD	451	342	109				
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	197	197					
35300500	PORTLAND CEMENT CONCRETE BASE COURSE	SQ YD	85	85					
	10"								
35400500	PORTLAND CEMENT CONCRETE BASE COURSE	SQ YD	113	113					
	WIDENING 10"								
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	181223	141491	39732				
40600400	MIXTURE FOR CRACKS, JOINTS, AND	TON	841	631	210				
	FLANGEWAYS								
40600827	POLYMERIZED LEVELING BINDER (MACHINE	TON	11525	9105	2420				
	METHOD), IL-4, 75, N50								
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT	SQ YD	1534	1131	403				
	JOINT								

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		80% FEDERAL 20% STATE COOK COUNTY 0005	80% FEDERAL 20% STATE WILL COUNTY 0005				
40601005	HOT-MIX ASPHALT REPLACEMENT OVER	TON	458	354	104				
	PATCHES								
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX	TON	2936	1468	1468				
	"D", N70								
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	67	67					
42001300	PROTECTIVE COAT	SQ YD	1918	1861	57				
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5	SQ FT	6054	5781	273				
	INCH								
42400800	DETECTABLE WARNINGS	SQ FT	561	541	20				
44000100	PAVEMENT REMOVAL	SQ YD	60	60					
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1	SQ YD	797	797					
	1/2"								
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2	SQ YD	234647	168298	66349				
	1/2"								
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	27200	27200					
44000300	CURB REMOVAL	FOOT	1077	1077					
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	262	262					
44000600	SIDEWALK REMOVAL	SQ FT	5641	5393	248				
* SPECIALTY	ITEMS								

FILE NAME =		USER NAME = Bligramisa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		IL 43 (HARLEM AVENUE) – US 30 (LINCOLN HWY.) TO US 6 (159TH ST.) SUMMARY OF QUANTITIES		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\N\084EBID\INTEG\Illinois.gov\PW\DOT\Documents\DOT		Offices\District N\Projects\DI005\B\CADD\Design\DI005	DESIGNED -	REVISED -					348	3127(1,2,3&3.1)RS-3	COOK,WILL	72	3
		PLOT SCALE = 100.0000 ' / 1in.	CHECKED -	REVISED -					CONTRACT NO. 62F49				
		PLOT DATE = 12/5/2018	DATE -	REVISED -									

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CODE NO	ITEM	UNIT		80% FEDERAL 20% STATE COOK COUNTY 0005	80% FEDERAL 20% STATE WILL COUNTY 0005					CODE NO	ITEM	UNIT		80% FEDERAL 20% STATE COOK COUNTY 0005	80% FEDERAL 20% STATE WILL COUNTY 0005											
44002212	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 3"	SQ YD	2721	2105	616					550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	52	52												
44003100	MEDIAN REMOVAL	SQ FT	3599	3599						55100700	STORM SEWER REMOVAL 15"	FOOT	52	52												
44003510	MEDIAN REMOVAL PARTIAL DEPTH	SQ FT	85	85						60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	2	1	1											
44200970	CLASS B PATCHES, TYPE II, 10 INCH	SQ YD	80	80					△	60255410	CATCH BASINS TO BE CLEANED	EACH	2	2												
44200974	CLASS B PATCHES, TYPE III, 10 INCH	SQ YD	60	60						60257900	MANHOLES TO BE RECONSTRUCTED	EACH	12	9	3											
44200976	CLASS B PATCHES, TYPE IV, 10 INCH	SQ YD	70	70						60266600	VALVE BOXES TO BE ADJUSTED	EACH	9	9												
44201299	DOWEL BARS 1 1/2"	EACH	224	224						60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	2	2												
44201777	CLASS D PATCHES, TYPE II, 11 INCH	SQ YD	1312	984	328					60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	8	7	1											
44201781	CLASS D PATCHES, TYPE III, 11 INCH	SQ YD	460	345	115					60603500	COMBINATION CONCRETE CURB AND GUTTER,  TYPE B-6.06	FOOT	374.27	374.27												
44201783	CLASS D PATCHES, TYPE IV, 11 INCH	SQ YD	949	776	173					60603800	COMBINATION CONCRETE CURB AND GUTTER,  TYPE B-6.12	FOOT	71	71												
44213200	SAW CUTS	FOOT	3462	3462																						
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	799		799					60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	1438.09	1438.09												
50104400	CONCRETE HEADWALL REMOVAL	EACH	1	1						60619200	CONCRETE MEDIAN, TYPE SB-6.06	SQ FT	1466.83	1466.83												
54213660	PRECAST REINFORCED CONCRETE FLARED END	EACH	1	1						60801015	FLAP GATE 15"	EACH	1	1												
	SECTIONS 15"																									
									*	63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6	FOOT	37.5	37.5												
											FOOT POSTS						△	NON-PARTICIPATING 100% STATE								
	18", 1:3																*	SPECIALTY ITEMS								
FILE NAME =		USER NAME = Bllgramisa		DESIGNED -		REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION			IL 43 (HARLEM AVENUE) – US 30 (LINCOLN HWY.) TO US 6 (159TH ST.) SUMMARY OF QUANTITIES			F.A.P. RTE.		SECTION		COUNTY	TOTAL SHEETS	SHEET NO.						
pw:\NLO\B4EBID\INTEG\Illinois.gov\PI\DOT\Documents\DOT		Offices\District N\Projects\DI005\B\CADD\Design\DI005\B\		DESIGNED -		REVISED -								348		3127(1,2,3&3.1)RS-3		COOK,WILL	72	4						
		PLOT SCALE = 100,0000 ' / 1in.		CHECKED -		REVISED -												CONTRACT NO. 62F49								
		PLOT DATE = 12/5/2018		DATE -		REVISED -								SCALE:		SHEET NO. 2 OF 4 SHEETS		STA.		TO STA.		FED. ROAD DIST. NO. 1		ILLINOIS		FED. AID PROJECT



SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
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63200310	GUARDRAIL REMOVAL	FOOT	37.5	37.5					70102635	TRAFFIC CONTROL AND PROTECTION,	LSUM	1	0.75	0.25			
										STANDARD 701701							
64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	997	481	516												
									70102640	TRAFFIC CONTROL AND PROTECTION,	LSUM	1	0.75	0.25			
										STANDARD 701801							
									70300100	SHORT TERM PAVEMENT MARKING	FOOT	62629	53165	9464			
									70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	20856	17374	3482			
									70300210	TEMPORARY PAVEMENT MARKING LETTERS AND	SQ FT	3510	2563	947			
										SYMBOLS							
									70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	122656	82859	39797			
									70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	20779	16659	4120			
									70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	3594	1497	2097			
									70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	3492	2451	1041			
									70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	2011	1628	383			
									70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	5214	4344	870			

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* 78000100	THERMOPLASTIC PAVEMENT MARKING -	SO FT	3510	2563	947					X2020110	GRADING AND SHAPING SHOULDERS	UNIT	320		320										
	LETTERS AND SYMBOLS																								
										X4060004	POLYMERIZED HOT-MIX ASPHALT SURFACE	TON	24829	19794	5035										
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	122656	82859	39797						COURSE, STONE MATRIX ASPHALT, 9.5, N80														
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	20779	16659	4120					X4401198	HOT-MIX ASPHALT SURFACE REMOVAL,	SO YD	17501	17501											
											VARIABLE DEPTH														
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	3594	1497	2097					△ X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	500	375	125										
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	3492	2451	1041					X6030310	FRAMES AND LIDS TO BE ADJUSTED	EACH	97	83	14										
											( SPECIAL )														
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE	FOOT	200	200						X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SO FT	64242	44777	19465										
	4"																								
										Z0004562	COMBINATION CONCRETE CURB AND GUTTER	FOOT	1369	1157	212										
											REMOVAL AND REPLACEMENT														
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	2772	2107	665					△ Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	230	201	29										
	78300200	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1956	1467	489																			
		REMOVAL																							
										Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	63.9	47.9	16.0										
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL	EACH	3	3						Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	89432	43105	46327										
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	8793	4283	4510					Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1											
* 89502376	REBUILD EXISTING HANDHOLE	EACH	12	12						Ø Z0076600	TRAINEES	HOOR	500	500											
	X0320050	CONSTRUCTION LAYOUT ( SPECIAL )	LSUM	1	0.95	0.05				Ø Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOOR	500	500											
△	NON-PARTICIPATING( 100% STATE )									Ø 0042															
* SPECIALTY ITEMS																			REV. - MS						
FILE NAME =		USER NAME = Bllgramisa		DESIGNED -		REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION			IL 43 (HARLEM AVENUE) – US 30 (LINCOLN HWY.) TO US 6 (159TH ST.) SUMMARY OF QUANTITIES			F.A.P. RTE.		SECTION		COUNTY	TOTAL SHEETS	SHEET NO.					
pw:\NLO\B&B\INTEGR\Illinois.gov\FWIDOT\Documents\DOT		Offices\District N\Projects\1005\B&CADD\Drawn\1005\B&CADD\Drawn		DESIGNED -		REVISED -								348	3127(1,2,3&3.1)RS-3		COOK,WILL	72	6						
		PLOT SCALE = 100.0000 ' / 1in.		CHECKED -		REVISED -								CONTRACT NO. 62F49											
		PLOT DATE = 12/5/2018		DATE -		REVISED -								SCALE: SHEET NO. 4 OF 4 SHEETS STA. TO STA.											
														FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT											

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (QMP)	INTELL. COMP. (IC)
MIXTURE TYPE	AIR VOIDS(%) @ N <sub>DES.</sub>		
MAIN LINE PAVEMENT RESURFACING			
POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, N80, 1¾"	3.5% @ 80 GYR	PFP	
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, ¾" TO 1¼"	3.5% @ 50 GYR	QCP	9 PASSES
SHOULDER PAVEMENT RESURFACING			
HMA SURFACE COURSE, MIX "D", N70 (IL 9.5 mm), 1¾"	4% @ 70 GYR	QC/QA	
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, ¾"	3.5% @ 50 GYR	QCP	9 PASSES
INCIDENTAL HOT-MIX ASPHALT SURFACING			
POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, N80, 1½"	3.5% @ 80 GYR	QC/QA	
PATCHING			
CLASS D PATCHES (HMA BINDER IL-19 mm)	4% @ 70 GYR	QC/QA	
HMA REPLACEMENT OVER PATCHES (HMA BINDER IL-19.0)	4% @ 70 GYR	QC/QA	
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE(QA/QC); QUALITY CONTROL FOR PERFORMANCE(QCP); PAY FOR PERFORMANCE(PFP)			

NOTE: CONTRACTOR SHALL PATCH BEFORE MILLING

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

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

WHEN A NUMBER OF ROLLER PASSES IS SPECIFIED, THE CONTRACTOR MAY OPT TO USE INTELLIGENT COMPACTION (IC) IN LIEU OF DENSITY TESTING UNDER THE QUALITY CONTROL FOR PERFORMANCE (QCP) PROGRAM

THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE POLYMERIZED LEVELING BINDER, WHERE THE SURFACE MIX JOINT WILL BE LOCATED.

LEGEND

- 1

EXISTING HMA PAVEMENT, 2½"±
- 2

EXISTING HMA PAVEMENT, 3"±
- 3

EXISTING PCC PAVEMENT, 10"
- 4

EXISTING PCC BASE COURSE, 8"
- 5

EXISTING STABILIZED SUB-BASE, 4"
- 6

EXISTING SUB-BASE GRANULAR MATERIAL, 4"±
- 7

EXISTING COMBINATION CONCRETE CURB & GUTTER
- 8

PC CONCRETE MEDIAN SURFACE, 4"
- 9

EXISTING AGGREGATE SUB-BASE
- 10

EXISTING HMA SHOULDER, VARIES 10¾" TO 16½"
- 11

EXISTING AGGREGATE SHOULDER
- \*

12

PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2½"
- \*

13

PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 3"
- \*

14

PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH, 1¾" - 2½"
- 15

PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, ¾"
- 16

PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 1¼"
- 17

PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 9.5, N80, 1¾"
- 18

PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1¾"
- 19

PROPOSED AGGREGATE WEDGE SHOULDER
- 20

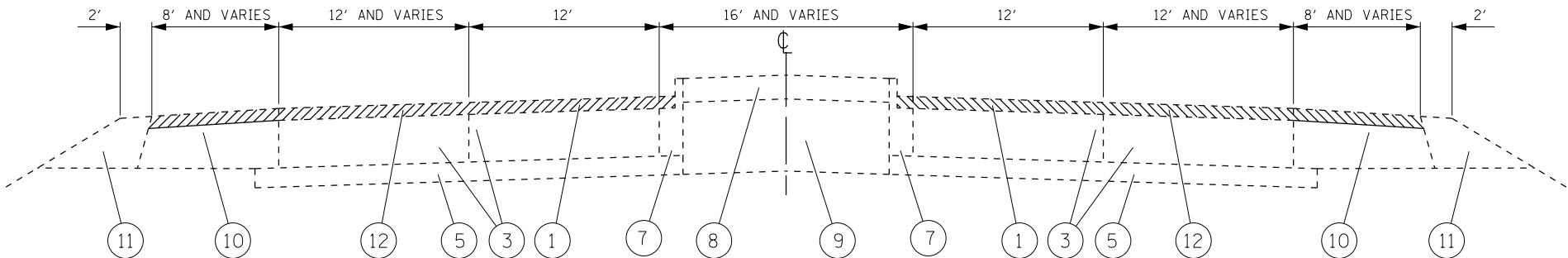
PROPOSED CURB REMOVAL OR PROPOSED COMB. CURB AND GUTTER REMOVAL
- 21

PROPOSED MEDIAN REMOVAL
- 22

PROPOSED MEDIAN SURFACE, 4" OR CONCRETE MEDIAN, TYBE SB-6.06
- 23

PROPOSED PCC BASE COURSE WIDENING, 10" OR PROPOSED PCC BASE COURSE, 10"
- 24

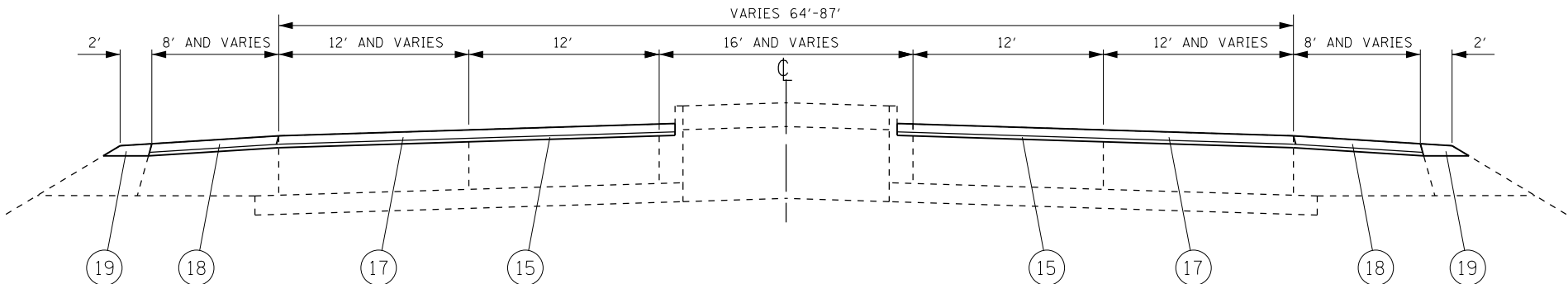
PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"



IL 43 (HARLEM AVENUE)

EXISTING TYPICAL SECTION

STA. 20+27 TO STA. 198+40



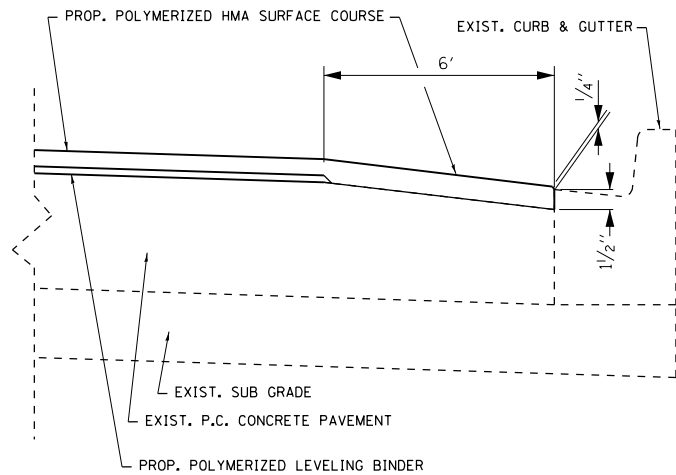
IL 43 (HARLEM AVENUE)

PROPOSED TYPICAL SECTION

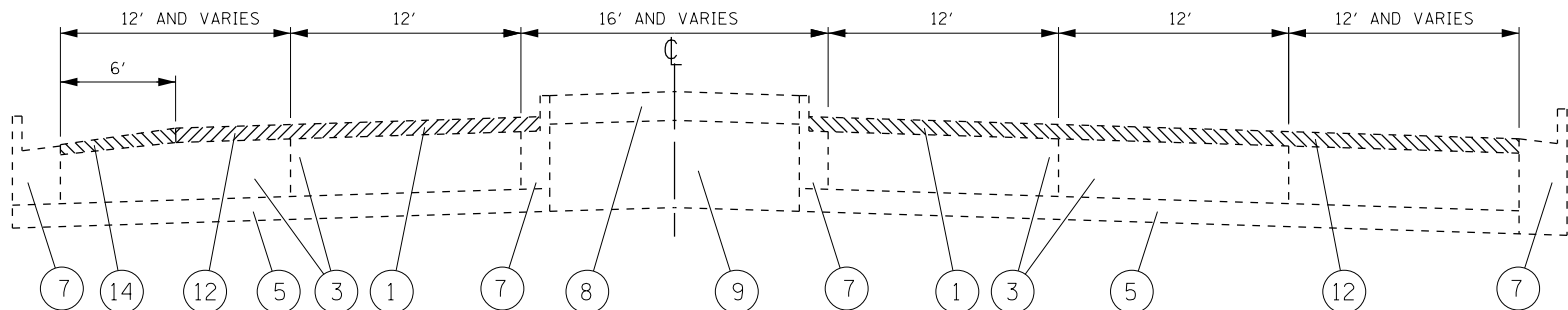
STA. 20+27 TO STA. 198+40

\* REMOVE HMA SURFACE DOWN TO EXISTING PCC PAVEMENT

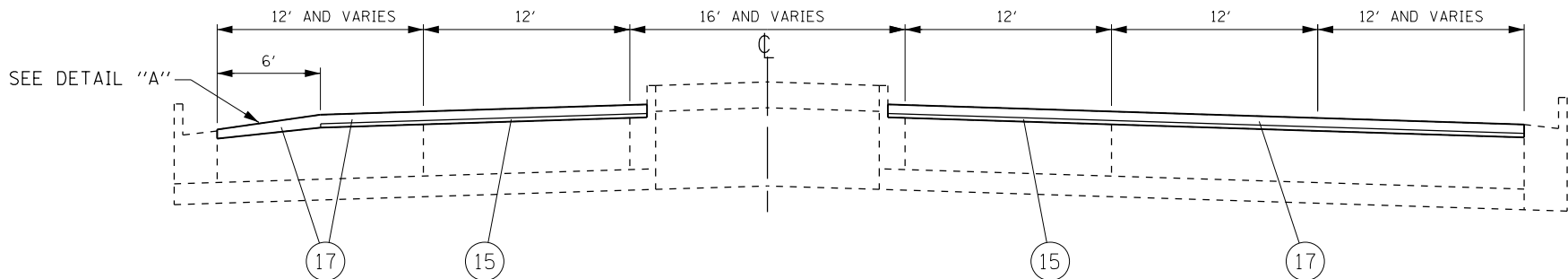
FILE NAME =  p:\IL\084EBID\INTEG\Illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\DI025\DRAWING\Design\084EBID\084EBID-0518-sht-typical.dgn  Default	USER NAME = Bilgramiso	DESIGNED - PLP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING AND PROPOSED TYPICAL SECTIONS IL 43 (HARLEM AVENUE) – US 6 (159TH STREET) TO US 30 (LINCOLN HIGHWAY)		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			REVISED -				348	3127(1,2,3&3.1)RS-3	COOK,WILL	72	7
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -				CONTRACT NO. 62F49				
	PLOT DATE = 12/5/2018	DATE -	REVISED -				ILLINOIS FED. AID PROJECT				
							SCALE:	SHEET	OF	SHEETS	STA.



DETAIL "A"



IL 43 (HARLEM AVENUE)  
EXISTING TYPICAL SECTION  
STA. 198+40 TO STA. 211+00



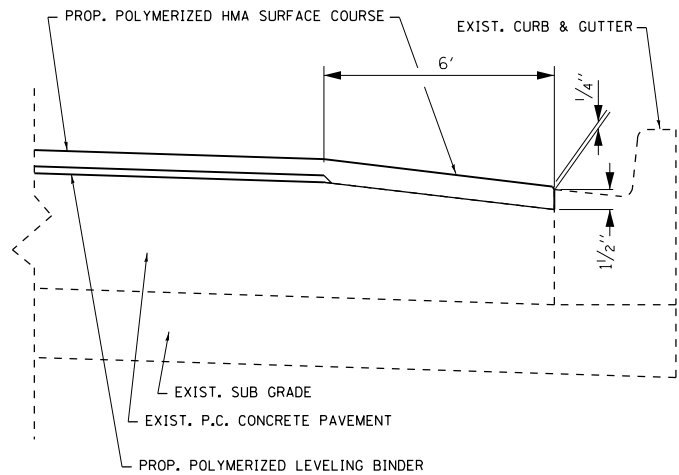
IL 43 (HARLEM AVENUE)  
PROPOSED TYPICAL SECTION  
STA. 198+40 TO STA. 211+00

LEGEND

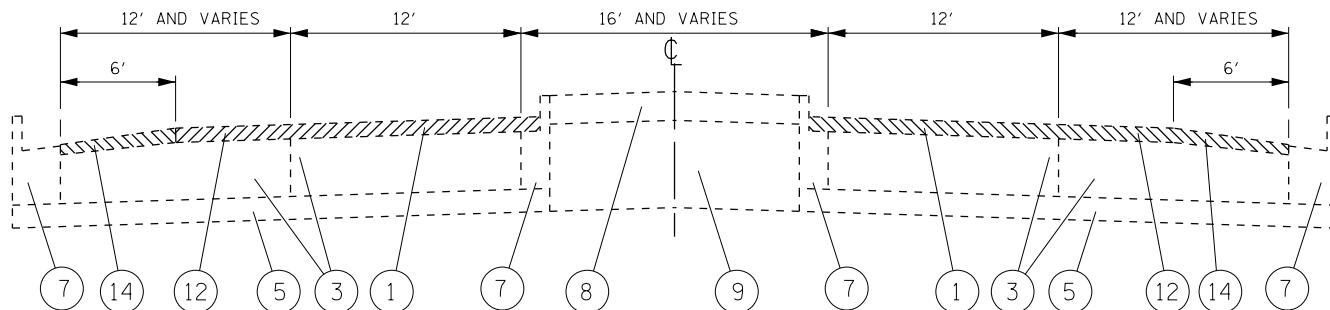
- 1 EXISTING HMA PAVEMENT, 2 1/2"±
- 2 EXISTING HMA PAVEMENT, 3"±
- 3 EXISTING PCC PAVEMENT, 10"
- 4 EXISTING PCC BASE COURSE, 8"
- 5 EXISTING STABILIZED SUB-BASE, 4"
- 6 EXISTING SUB-BASE GRANULAR MATERIAL, 4"±
- 7 EXISTING COMBINATION CONCRETE CURB & GUTTER
- 8 PC CONCRETE MEDIAN SURFACE, 4"
- 9 EXISTING AGGREGATE SUB-BASE
- 10 EXISTING HMA SHOULDER, VARIES 10 3/4" TO 16 1/2"
- 11 EXISTING AGGREGATE SHOULDER
- \* 12 PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- \* 13 PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 3"
- \* 14 PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH, 1 3/4" - 2 1/2"
- 15 PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- 16 PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 1 1/4"
- 17 PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 9.5, N80, 1 3/4"
- 18 PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 3/4"
- 19 PROPOSED AGGREGATE WEDGE SHOULDER
- 20 PROPOSED CURB REMOVAL OR PROPOSED COMB. CURB AND GUTTER REMOVAL
- 21 PROPOSED MEDIAN REMOVAL
- 22 PROPOSED MEDIAN SURFACE, 4" OR CONCRETE MEDIAN, TYBE SB-6.06
- 23 PROPOSED PCC BASE COURSE WIDENING, 10" OR PROPOSED PCC BASE COURSE, 10"
- 24 PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"

\* REMOVE HMA SURFACE DOWN TO EXISTING PCC PAVEMENT

FILE NAME = p:\1\IL084EBID\INTEG\Illinois.gov\PI\DOT\Documents\IDOT Offices\District 1\Projects\DI025\BROWNS\Browns\Design\00518-sht-typical.dgn	USER NAME = Bilgramiso		DESIGNED - PLP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING AND PROPOSED TYPICAL SECTIONS IL 43 (HARLEM AVENUE) – US 6 (159TH STREET) TO US 30 (LINCOLN HIGHWAY)		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000 ' / in.		CHECKED -	REVISED -				348	3127(1,2,3&3.1)RS-3	COOK,WILL	72	8
	PLOT DATE = 12/5/2018		DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.		CONTRACT NO. 62F49				
	Default							ILLINOIS FED. AID PROJECT				



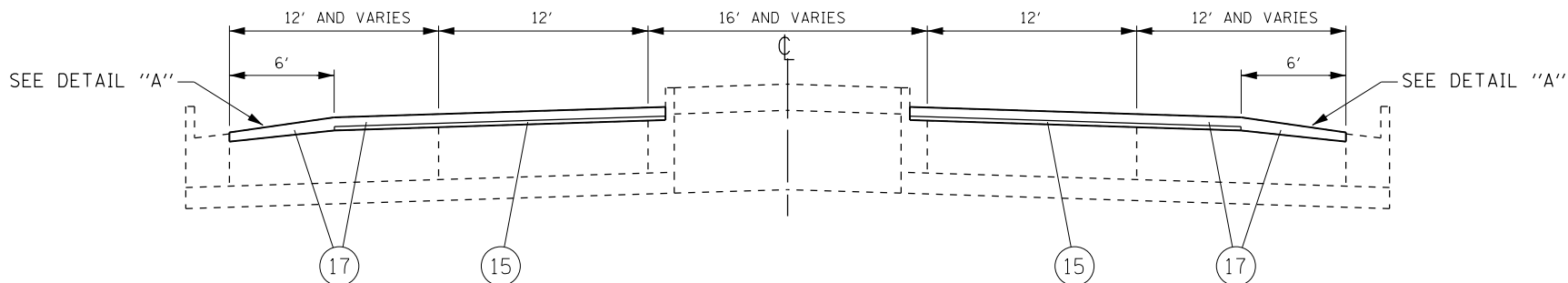
DETAIL "A"



IL 43 (HARLEM AVENUE)

EXISTING TYPICAL SECTION

STA. 211+00 TO STA. 303+23  
STA. 310+74 TO STA. 338+56



IL 43 (HARLEM AVENUE)

PROPOSED TYPICAL SECTION

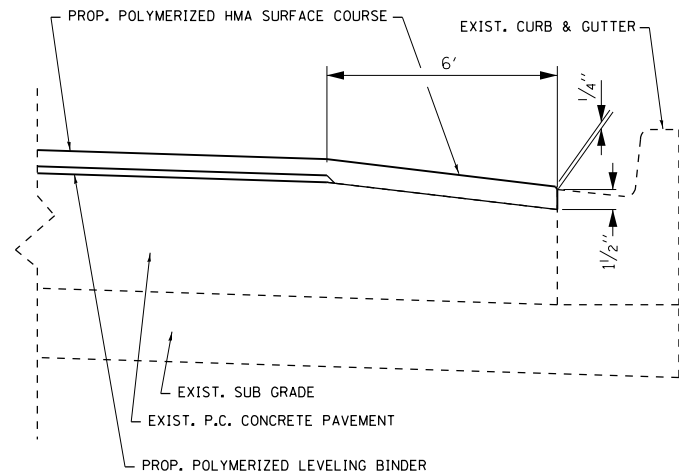
STA. 211+00 TO STA. 303+23  
STA. 310+74 TO STA. 338+56

\* REMOVE HMA SURFACE DOWN TO  
EXISTING PCC PAVEMENT

LEGEND

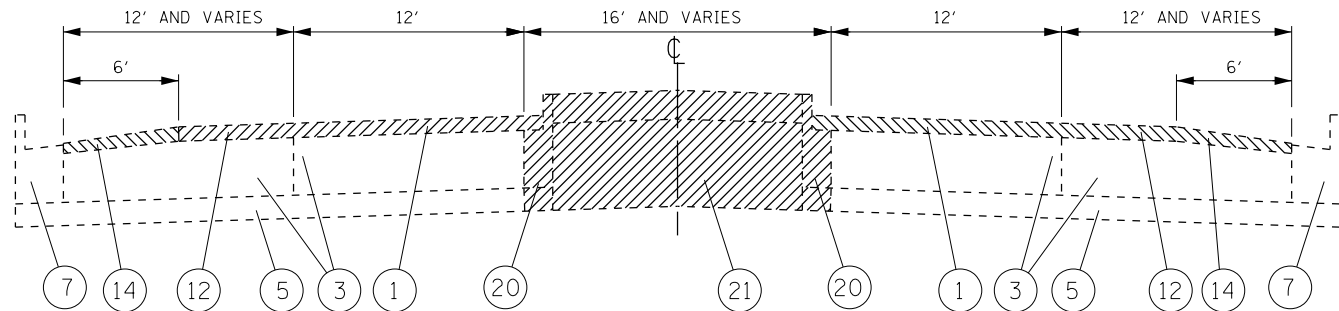
- 1 EXISTING HMA PAVEMENT, 2 1/2"±
- 2 EXISTING HMA PAVEMENT, 3"±
- 3 EXISTING PCC PAVEMENT, 10"
- 4 EXISTING PCC BASE COURSE, 8"
- 5 EXISTING STABILIZED SUB-BASE, 4"
- 6 EXISTING SUB-BASE GRANULAR MATERIAL, 4"±
- 7 EXISTING COMBINATION CONCRETE CURB & GUTTER
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- 9 EXISTING AGGREGATE SUB-BASE
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- \* 14 PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH, 1 3/4" - 2 1/2"
- 15 PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- 16 PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 1 1/4"
- 17 PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 9.5, N80, 1 3/4"
- 18 PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 3/4"
- 19 PROPOSED AGGREGATE WEDGE SHOULDER
- 20 PROPOSED CURB REMOVAL OR PROPOSED COMB. CURB AND GUTTER REMOVAL
- 21 PROPOSED MEDIAN REMOVAL
- 22 PROPOSED MEDIAN SURFACE, 4" OR CONCRETE MEDIAN, TYBE SB-6.06
- 23 PROPOSED PCC BASE COURSE WIDENING, 10" OR PROPOSED PCC BASE COURSE, 10"
- 24 PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"

FILE NAME =	USER NAME = Bilgramiso	DESIGNED - PLP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING AND PROPOSED TYPICAL SECTIONS IL 43 (HARLEM AVENUE) – US 6 (159TH STREET) TO US 30 (LINCOLN HIGHWAY)	F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\1\IL084EBID\INTEG\Illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI00518\Design\00518-shr-typical.dgn		10/25/2018	10/25/2018			348	3127(1,2,3&3.1)RS-3	COOK,WILL	72	9
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 62F49				
Default	PLOT DATE = 12/5/2018	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
				SCALE:		SHEET	OF	SHEETS	STA.	TO STA.



DETAIL "A"

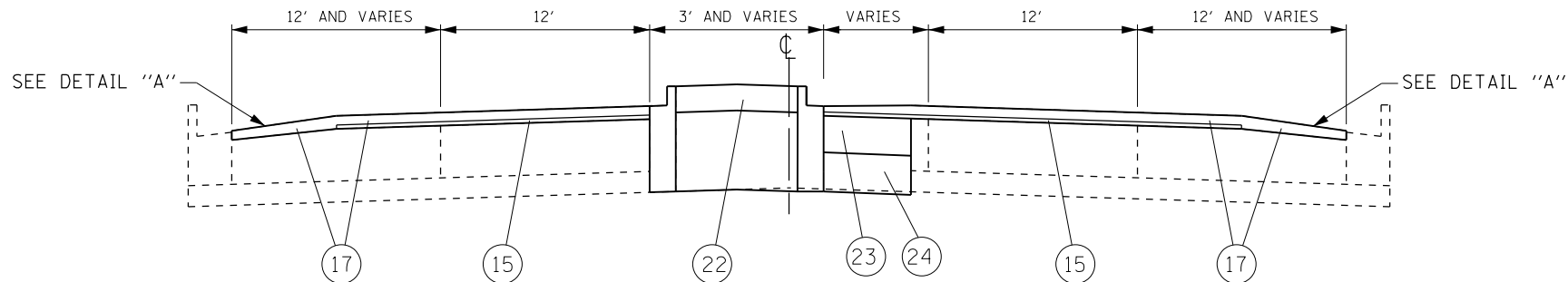
MEDIAN REMOVAL AND REPLACEMENT  
AT 167TH ST SB & NB LEFT TURN LANES



IL 43 (HARLEM AVENUE)

EXISTING TYPICAL SECTION

STA. 303+23 TO STA. 310+74



IL 43 (HARLEM AVENUE)

PROPOSED TYPICAL SECTION

STA. 303+23 TO STA. 310+74

TYPICAL FOR SOUTH LEG OF INTERSECTION SHOWN  
MEDIAN LAYOUT REVERSED FOR NORTH LEG

\* REMOVE HMA SURFACE DOWN TO  
EXISTING PCC PAVEMENT

LEGEND

- 1 EXISTING HMA PAVEMENT, 2 1/2"±
- 2 EXISTING HMA PAVEMENT, 3"±
- 3 EXISTING PCC PAVEMENT, 10"
- 4 EXISTING PCC BASE COURSE, 8"
- 5 EXISTING STABILIZED SUB-BASE, 4"
- 6 EXISTING SUB-BASE GRANULAR MATERIAL, 4"±
- 7 EXISTING COMBINATION CONCRETE CURB & GUTTER
- 8 PC CONCRETE MEDIAN SURFACE, 4"
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- 10 EXISTING HMA SHOULDER, VARIES 10 3/4" TO 16 1/2"
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- \* 12 PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- \* 13 PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 3"
- \* 14 PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH, 1 3/4" - 2 1/2"
- 15 PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- 16 PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 1 1/4"
- 17 PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 9.5, N80, 1 3/4"
- 18 PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 3/4"
- 19 PROPOSED AGGREGATE WEDGE SHOULDER
- 20 PROPOSED CURB REMOVAL OR PROPOSED COMB. CURB AND GUTTER REMOVAL
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- 22 PROPOSED MEDIAN SURFACE, 4" OR CONCRETE MEDIAN, TYBE SB-6.06
- 23 PROPOSED PCC BASE COURSE WIDENING, 10" OR PROPOSED PCC BASE COURSE, 10"
- 24 PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"

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		PLOT SCALE = 100.0000' / in.	CHECKED -					348	3127(1,2,3&3.1)RS-3	COOK,WILL	72	10
		PLOT DATE = 12/5/2018	DATE -		SCALE: SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 62F49				
			REVISED -					ILLINOIS FED. AID PROJECT				

LEGEND

- 1

EXISTING HMA PAVEMENT, 2½''±
- 2

EXISTING HMA PAVEMENT, 3''±
- 3

EXISTING PCC PAVEMENT, 10''
- 4

EXISTING PCC BASE COURSE, 8''
- 5

EXISTING STABILIZED SUB-BASE, 4''
- 6

EXISTING SUB-BASE GRANULAR MATERIAL, 4''±
- 7

EXISTING COMBINATION CONCRETE CURB & GUTTER
- 8

PC CONCRETE MEDIAN SURFACE, 4''
- 9

EXISTING AGGREGATE SUB-BASE
- 10

EXISTING HMA SHOULDER, VARIES 10¾'' TO 16½''
- 11

EXISTING AGGREGATE SHOULDER
- \*

12

PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2½''
- \*

13

PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 3''
- \*

14

PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH, 1¾'' - 2½''
- 15

PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, ¾''
- 16

PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 1¼''
- 17

PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 9.5, N80, 1¾''
- 18

PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX ''D'', N70, 1¾''
- 19

PROPOSED AGGREGATE WEDGE SHOULDER
- 20

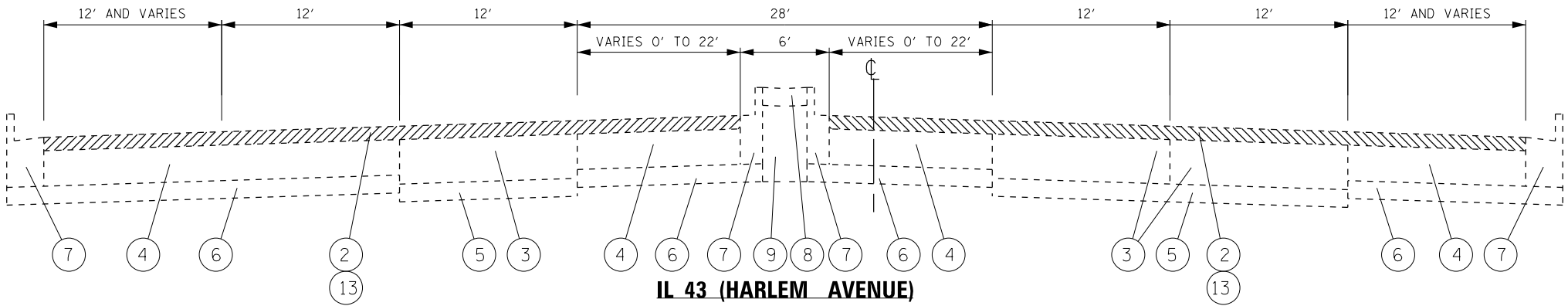
PROPOSED CURB REMOVAL OR PROPOSED COMB. CURB AND GUTTER REMOVAL
- 21

PROPOSED MEDIAN REMOVAL
- 22

PROPOSED MEDIAN SURFACE, 4'' OR CONCRETE MEDIAN, TYBE SB-6.06
- 23

PROPOSED PCC BASE COURSE WIDENING, 10'' OR PROPOSED PCC BASE COURSE, 10''
- 24

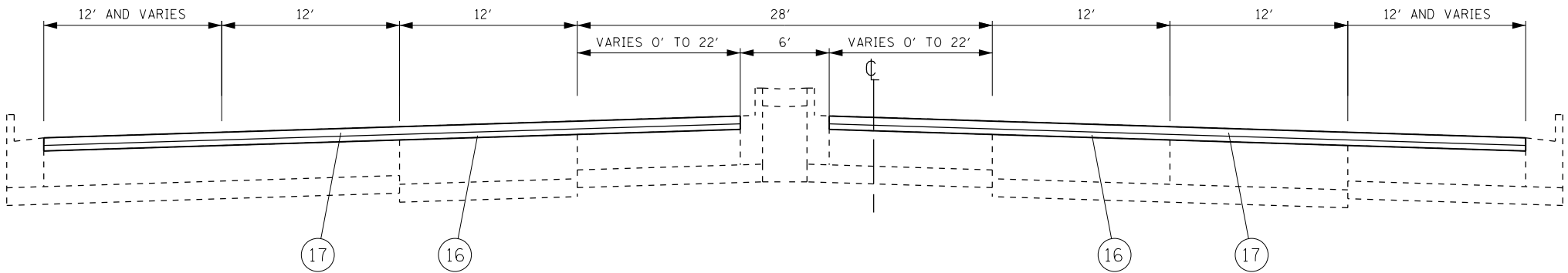
PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12''



IL 43 (HARLEM AVENUE)

EXISTING TYPICAL SECTION

STA. 338+56 TO STA. 360+93



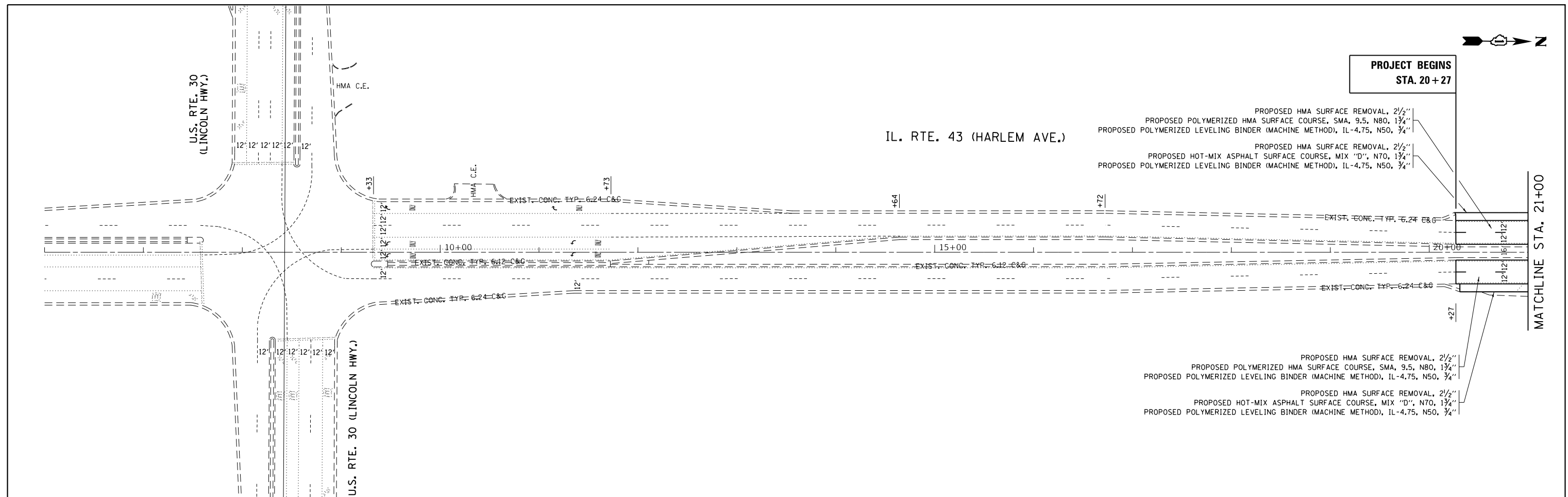
IL 43 (HARLEM AVENUE)

PROPOSED TYPICAL SECTION

STA. 338+56 TO STA. 360+93

\* REMOVE HMA SURFACE DOWN TO EXISTING PCC PAVEMENT

FILE NAME =  p:\IL\084EBID\INTEG\Illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\DI025\084EBID\Design\084EBID-0518-sht-typical.dgn  Default	USER NAME = Bilgramise	DESIGNED - PLP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING AND PROPOSED TYPICAL SECTIONS IL 43 (HARLEM AVENUE) – US 6 (159TH STREET) TO US 30 (LINCOLN HIGHWAY)				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -						348	3127(1,2,3&3.1)RS-3	COOK,WILL	72	11
	PLOT DATE = 12/5/2018	DATE -	REVISED -		CONTRACT NO. 62F49								
	ILLINOIS FED. AID PROJECT												
	SCALE:		SHEET		OF	SHEETS	STA.	TO STA.					

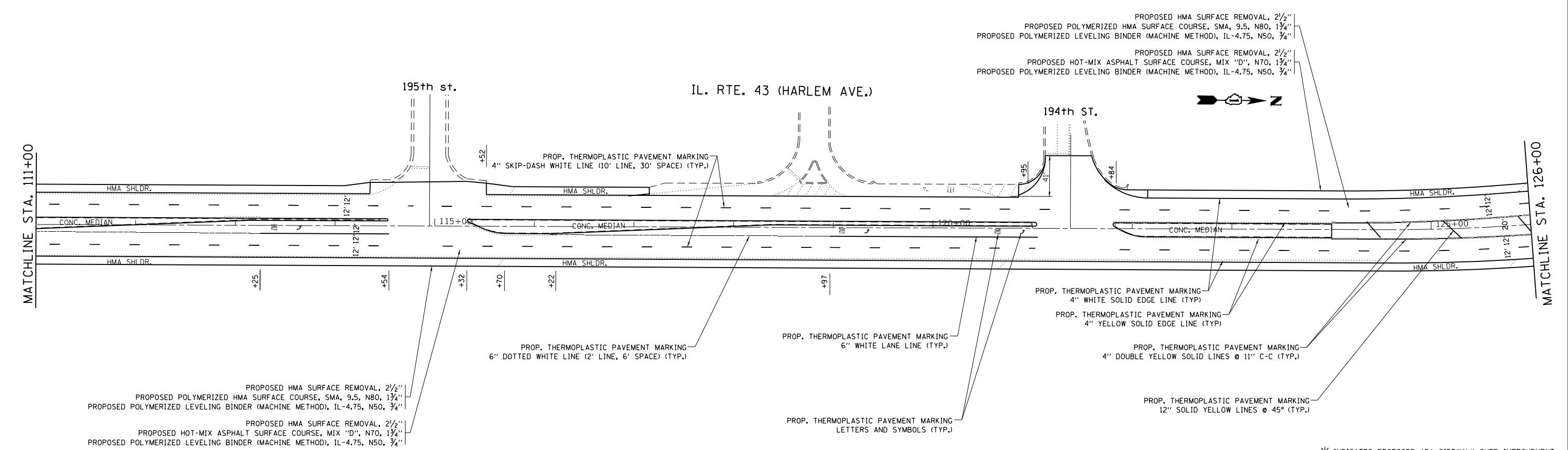
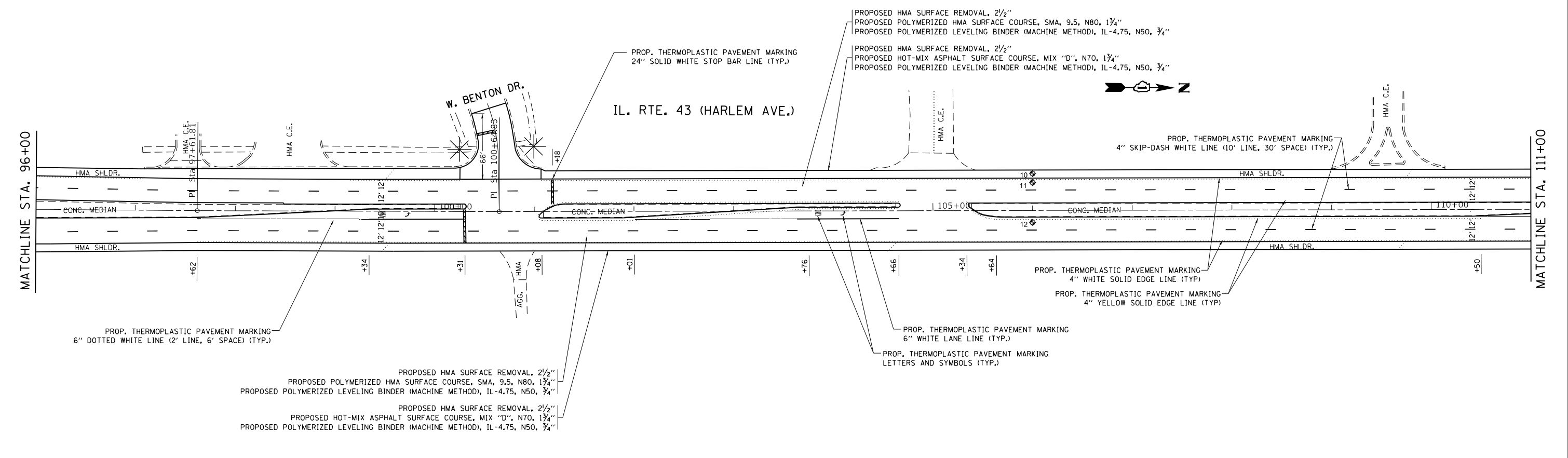








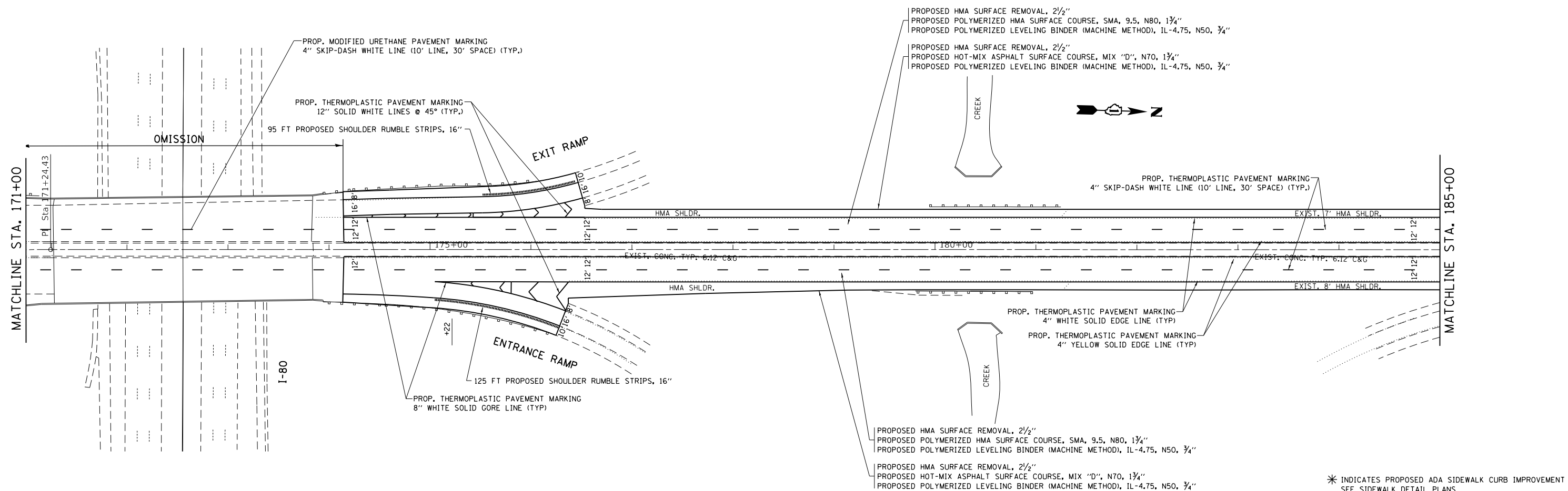
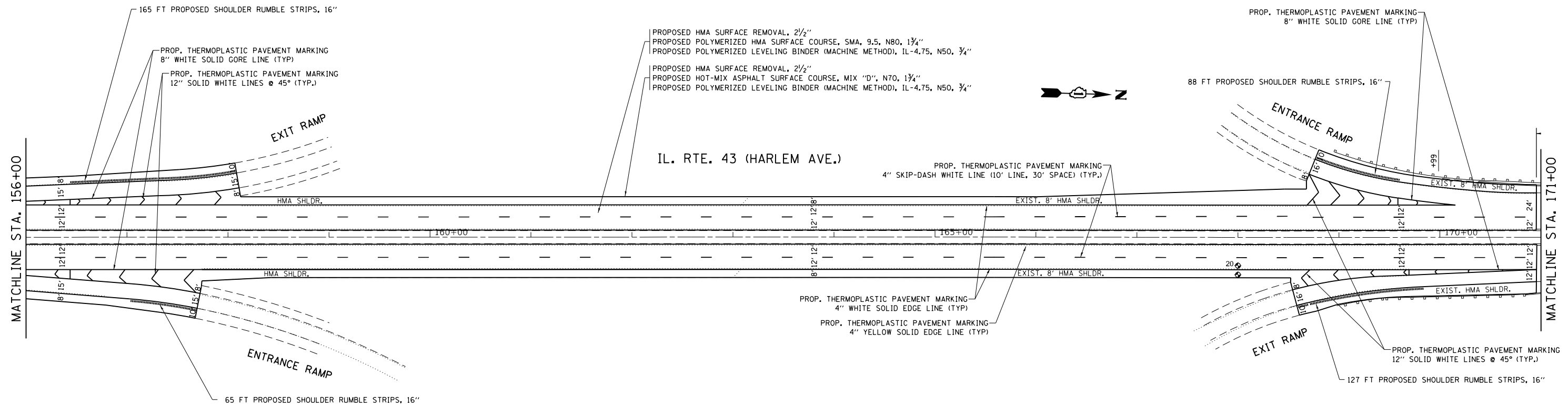
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\* INDICATES PROPOSED ADA SIDEWALK CURB IMPROVEMENT  
SEE SIDEWALK DETAIL PLANS

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				ROADWAY AND PAVEMENT MARKING PLAN IL 43 (HARLEM AVENUE) - US 6 (159TH STREET) TO US 30 (LINCOLN HIGHWAY)				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: 1"=50'				SHEET 4 OF 13 SHEETS				348	3127(1,2,3&3.1)R5-3	COOK, WILL	72	15
STA. 96+00 TO STA. 126+00				CONTRACT NO. 62F49				ILLINOIS FED. AID PROJECT				
USER NAME = Bilgramisa		DESIGNED -	REVISED -									
		DRAWN -	REVISED -									
PLOT SCALE = 100,0000' / in.		CHECKED -	REVISED -									
PLOT DATE = 12/5/2018		DATE -	REVISED -									





USER NAME = Bilgramisa	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 12/5/2018	DATE -	REVISED -

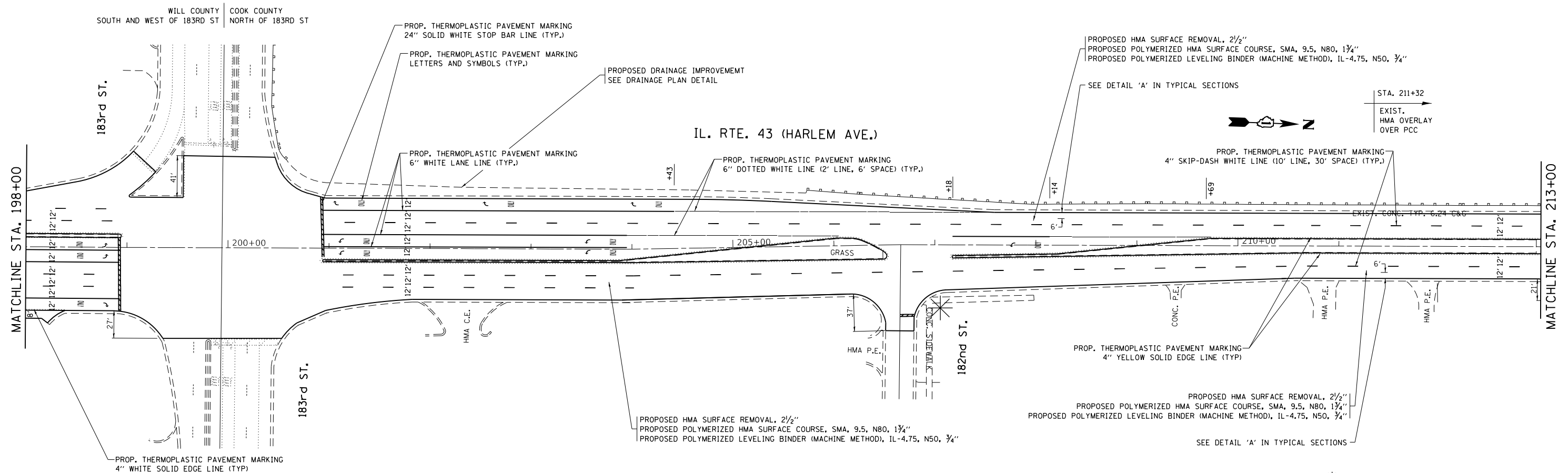
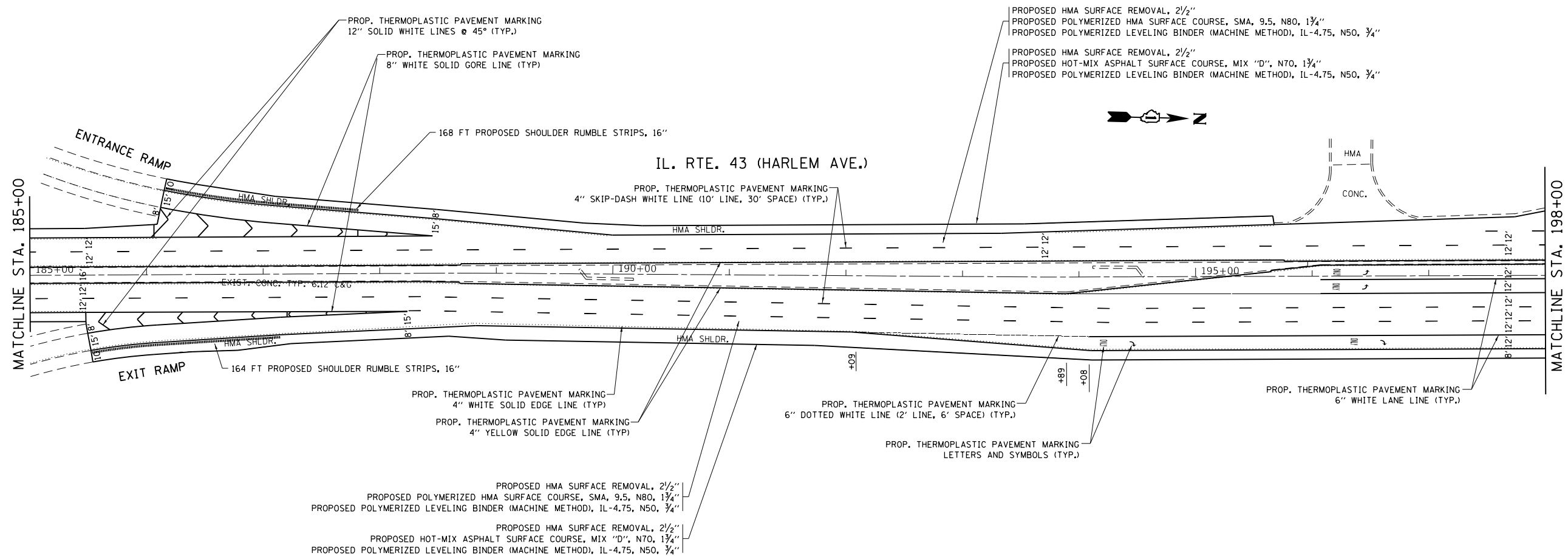
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**ROADWAY AND PAVEMENT MARKING PLAN**  
**IL 43 (HARLEM AVENUE) - US 6 (159TH STREET) TO US 30 (LINCOLN HIGHWAY)**

SCALE: 1"=50'	SHEET 6	OF 13	SHEETS	STA. 156+00	TO STA. 185+00
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	3127(1,2,3&3.1)RS-3	COOK, WILL	72	17
		CONTRACT NO. 62F49		
ILLINOIS		FED. AID PROJECT		

\* INDICATES PROPOSED ADA SIDEWALK CURB IMPROVEMENT  
SEE SIDEWALK DETAIL PLANS



\* INDICATES PROPOSED ADA SIDEWALK CURB IMPROVEMENT  
SEE SIDEWALK DETAIL PLANS

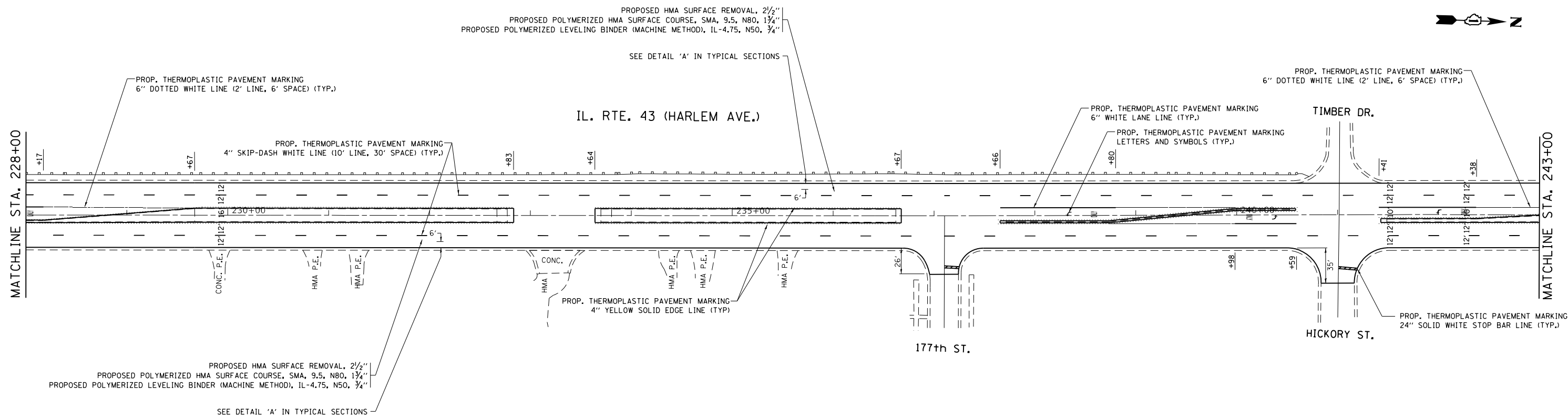
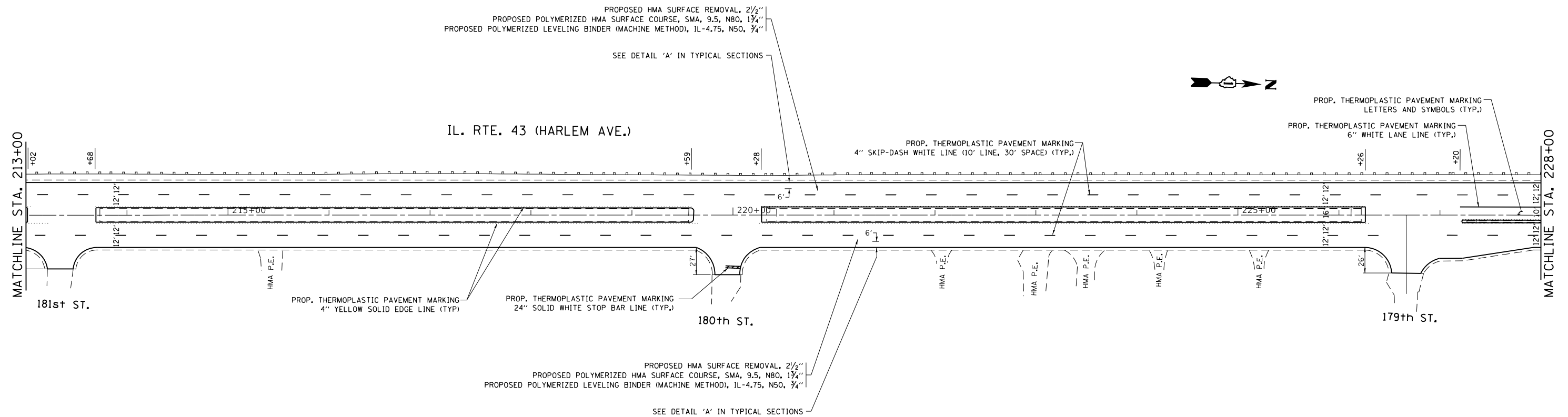
USER NAME = Bilgramisa	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 12/5/2018	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

## ROADWAY AND PAVEMENT MARKING PLAN

### IL 43 (HARLEM AVENUE) - US 6 (159TH STREET) TO US 30 (LINCOLN HIGHWAY)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	3127(1,2,3&3.1)RS-3	COOK, WILL	72	18
		CONTRACT NO. 62F49		
ILLINOIS		FED. AID PROJECT		



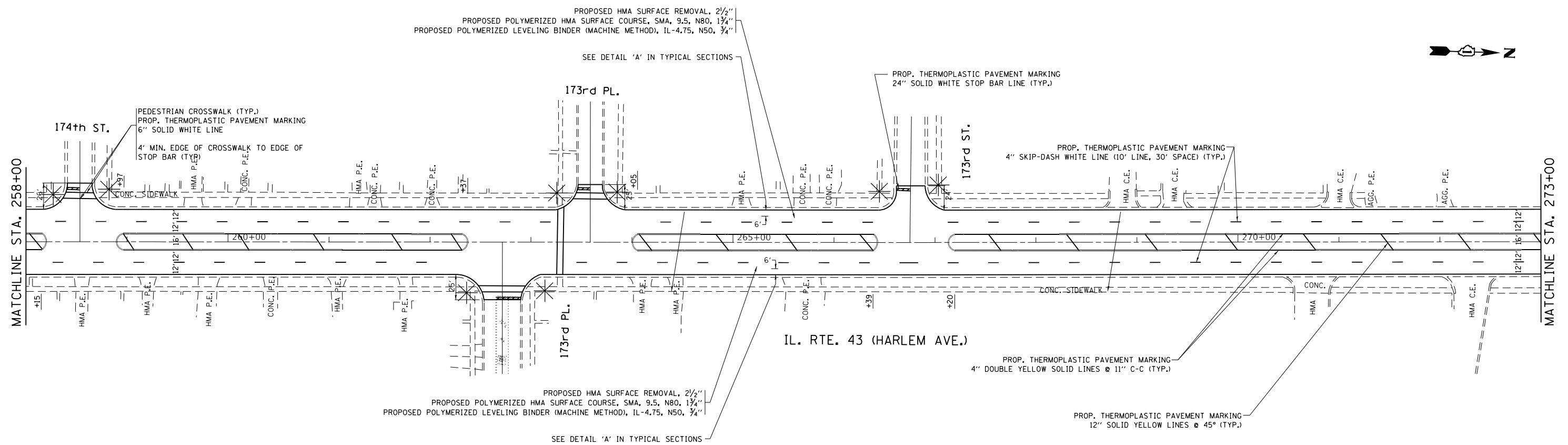
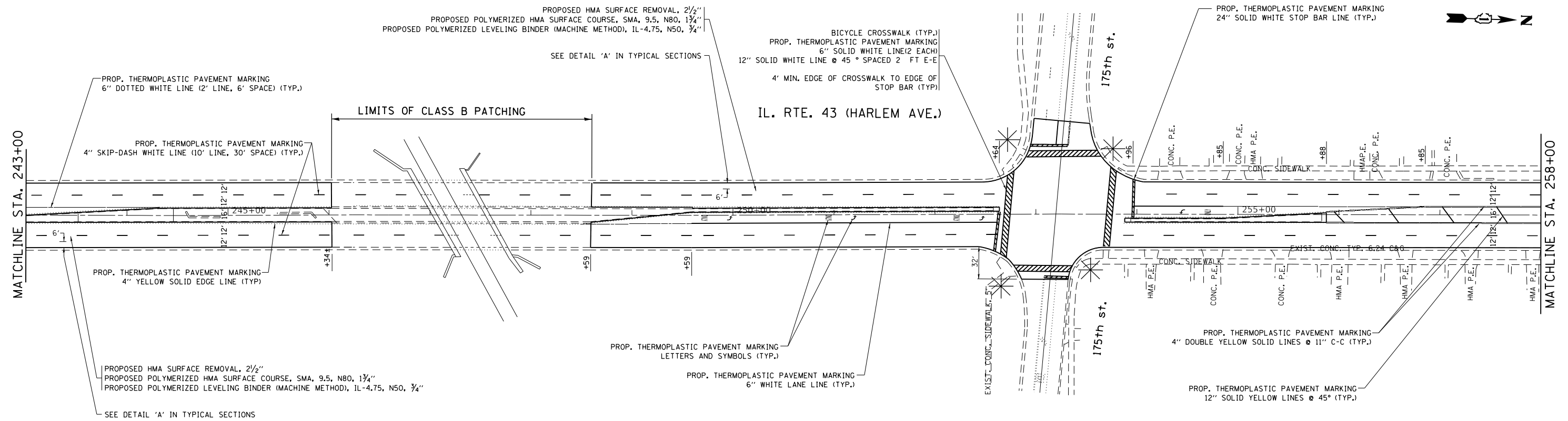
\* INDICATES PROPOSED ADA SIDEWALK CURB IMPROVEMENT  
SEE SIDEWALK DETAIL PLANS

USER NAME = Bilgramisa	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 12/5/2018	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**ROADWAY AND PAVEMENT MARKING PLAN**  
**IL 43 (HARLEM AVENUE) - US 6 (159TH STREET) TO US 30 (LINCOLN HIGHWAY)**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	3127(1,2,3&3.1)RS-3	COOK, WILL	72	19
		CONTRACT NO. 62F49		
ILLINOIS		FED. AID PROJECT		



\* INDICATES PROPOSED ADA SIDEWALK CURB IMPROVEMENT  
SEE SIDEWALK DETAIL PLANS

USER NAME = Bilgramisa	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 12/5/2018	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**ROADWAY AND PAVEMENT MARKING PLAN**  
**IL 43 (HARLEM AVENUE) - US 6 (159TH STREET) TO US 30 (LINCOLN HIGHWAY)**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	3127(1,2,3&3.1)RS-3	COOK, WILL	72	20
		CONTRACT NO. 62F49		
		ILLINOIS	FED. AID PROJECT	











MODEL: Default  
FILE: \\nrc\p\l\B&E\ID\NTEC\Illinois.gov\PI\DOT\Documents\DOT\_Offices\Bldg\1\Projects\ID\005\B\CAD\B&E\Design\ID\005\18-shr-schedule.dgn



REPLACE AND REINSTATE 20FT OF BROKEN PIPE AT STA. 202+58 WITH A 15" RCP FLARED-END SECTION PIPE WITH GRATE.

PROPOSED FLARED-END SECTION WITH GRATE  
INV. = 690.00  
NORTHING: 1132133.38  
EASTING: 1782451.06

REMOVE AND REPLACE 25FT FROM STA. 202+47 TO STA. 202+72 OF GUARDRAIL AROUND BROKEN 15" REINFORCED CONCRETE PIPE.

CATCH BASIN TO BE CLEANED AT STA. 202+58  
NORTHING: 1132151.78  
EASTING: 1782448.83

PROPOSED FLAP GATE AT THE OUTLET OF THE PIPE AT STA. 201+96  
OFFSET FROM CENTERLINE = 84FT  
INV. = 686.00

REPLACE AND REINSTATE EXISTING 32FT OF 15" RCP PIPE AT STA. 201+96. THE PROPOSED PIPE SHALL HAVE A FLAP GATE AT THE OUTLET AND A CONCRETE HEADWALL AROUND THE OUTLET OF THE PIPE.

CATCH BASIN TO BE CLEANED AT STA. 201+96  
OFFSET FROM CENTERLINE = 50FT

STORM CATCH BASIN  
RIM = 698.57  
W. INV. = 694.19  
NORTHING: 1132151.78  
EASTING: 1782448.83

STORM CATCH BASIN  
RIM = 698.12  
W. INV. = 693.65

IL 43 (HARLEM AVENUE)

183rd ST.

EX ROW

183rd ST.

EX ROW

SYMBOLS	LEGEND	
	EXISTING	PROPOSED
REFERENCE LINE/CENTERLINE AND STATIONING		
RIGHT OF WAY LINE		
DRAINAGE (WADE HYDROLOGIC ATLAS) EXIST. ONLY		
INTERPRETED DRAINAGE AREA TO OUTLET		
INTERPRETED DRAINAGE AREA SUB-CORRE		
FLOODPLAIN BOUNDARY		
FLOODWAY BOUNDARY		
SWALE		
DITCH		
SHEET FLOW		
OVERFLOW		
CHANNEL		
DIVERTED AREA (PROPOSED ONLY)		
CULVERT SIZE - TYPE		
BRIDGE LOCATION - BRIDGE NO.		
PUMP STATION LOCATION - PUMP STA. NO.		
LOCAL STORM SEWER		
STORM SEWER		
SANITARY SEWER		
COMBINED SEWER		
CULVERT END SECTION		
CATCH BASIN		
HEADWALL/ENDWALL		
INLET		
MANHOLE		

USER NAME = bilgramisa	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 60,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 12/5/2018	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL 43 AT 183RD STREET  
DRAINAGE PLAN DETAIL

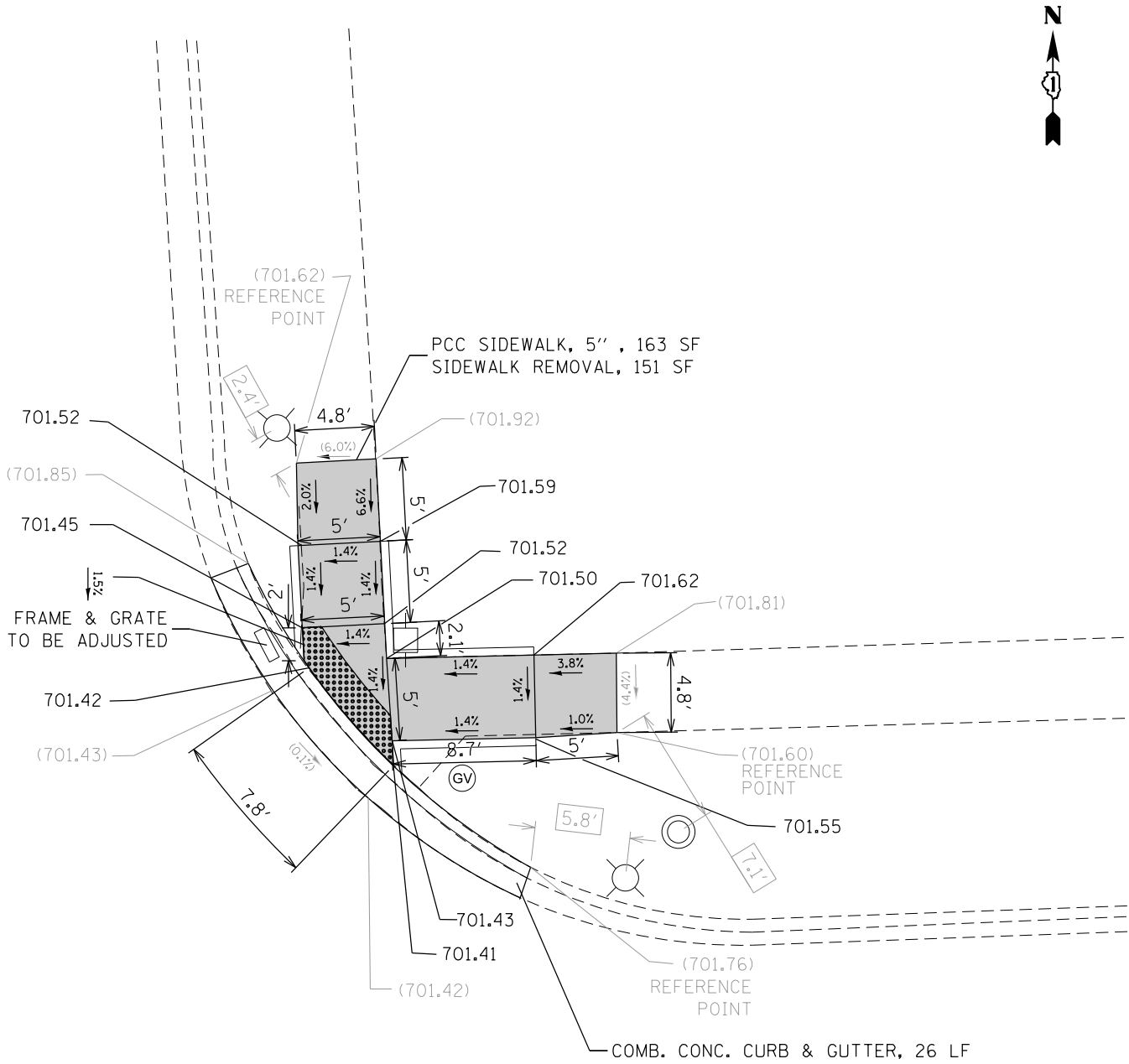
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	3127(1,2,3&3.1)RS-3	COOK, WILL	72	25
CONTRACT NO. 62F49				
ILLINOIS FED. AID PROJECT				



IL 43

182nd ST.



182ND ST. NORTH EAST CORNER

LEGEND

xx.x'x'

EXISTING LENGTH

( )

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



PROPOSED SIDE CURB

SC

TOP OF PROPOSED  
SIDE CURB



CLASS D PATCH



DETECTABLE WARNINGS



SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 703.37

BENCHMARK : SOUTH EAST BOLT ON FIRE HYDRANT

LOCATION : ON SOUTH EAST CORNER OF HARLEM AVE. AND  
182ND ST.

FILE NAME =	USER NAME = Bilgramiso	DESIGNED -	REVISED -
p:\IL\084EBID\INTEG\Illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\DI00518-sht-details.dgn		DESIGNED -	REVISED -
Default	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/5/2018	DATE -	REVISED -

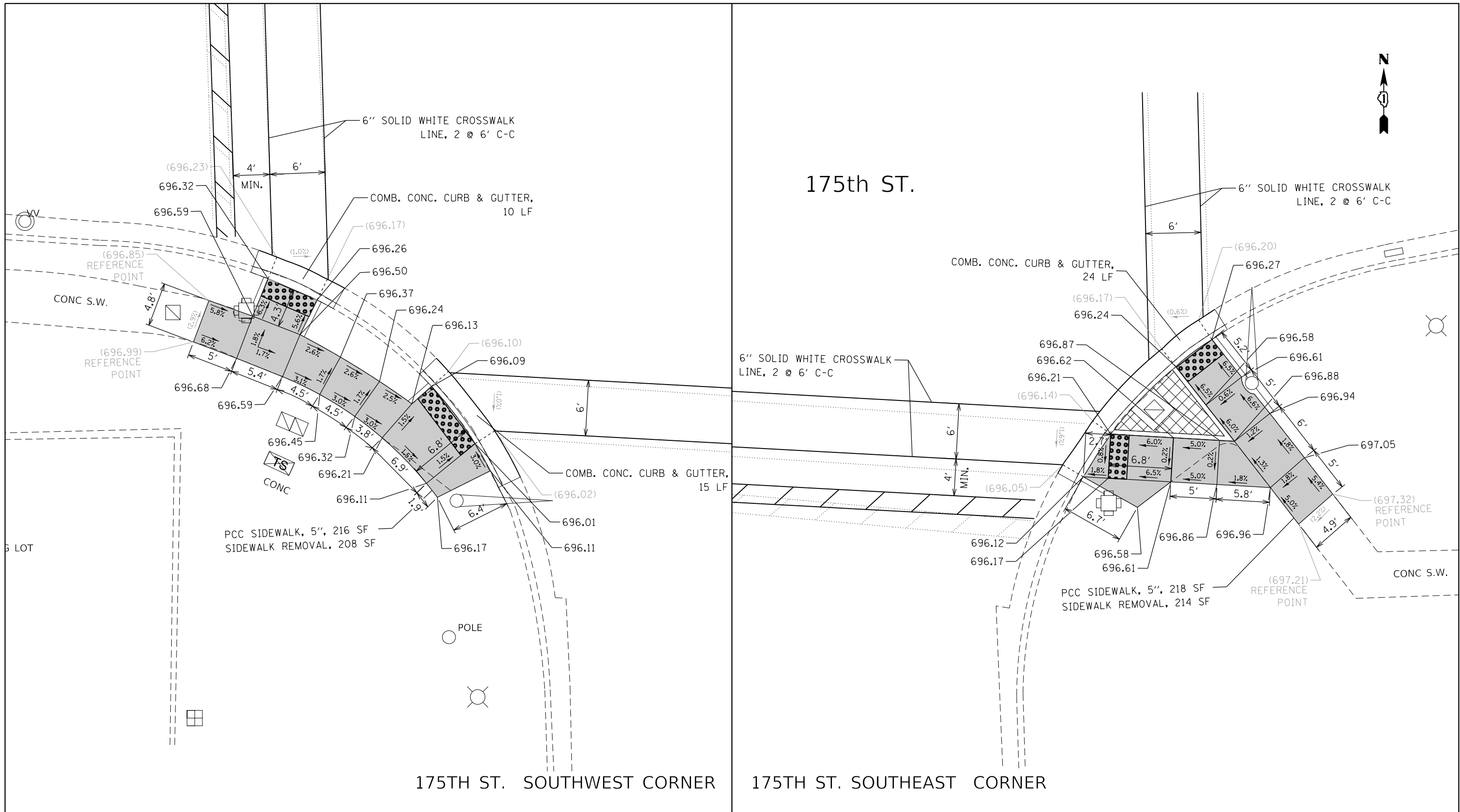
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL PLAN			
IL 43 (HARLEM AVENUE) – US 6 (159TH STREET) TO US 30 (LINCOLN HIGHWAY)			
SCALE:	SHEET 2	OF 23 SHEETS	STA. TO STA.

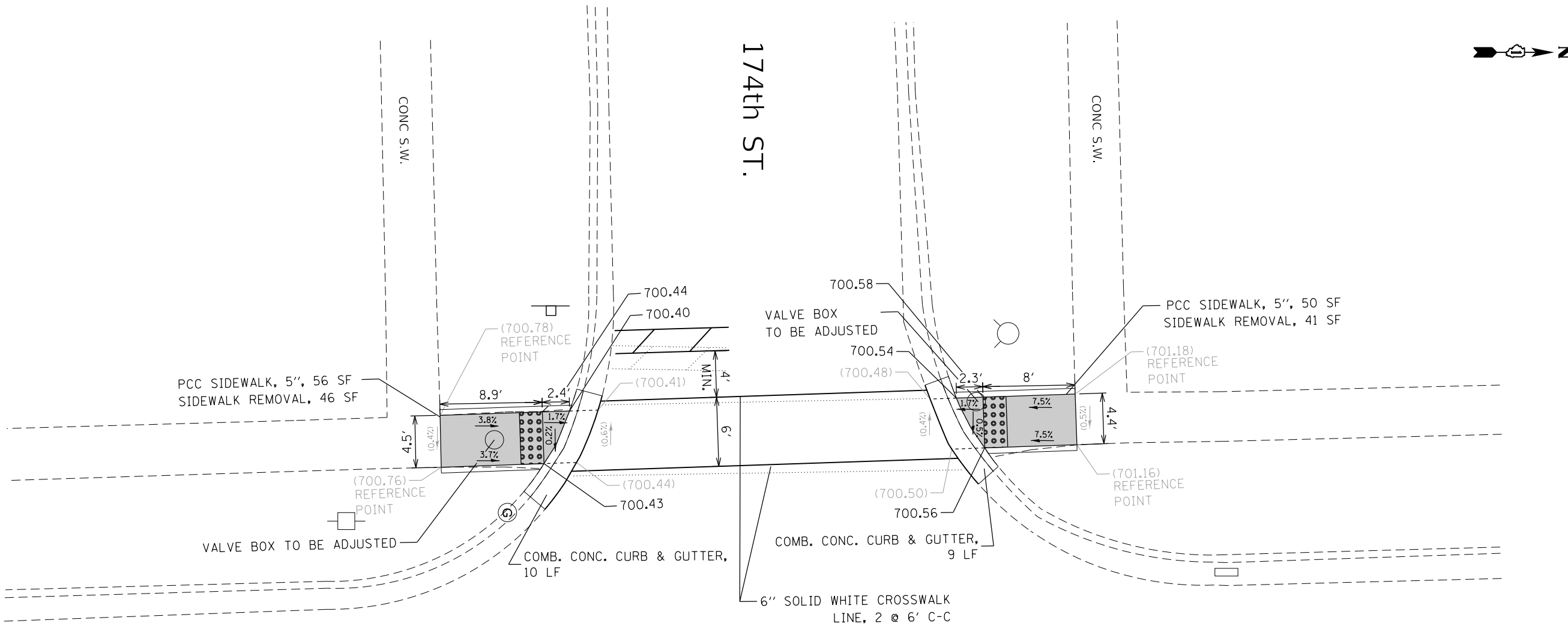
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	3127(1,2,3&3.1)RS-3	COOK, WILL	72	27
CONTRACT NO. 62F49				
ILLINOIS FED. AID PROJECT				







<div>FILE NAME =</div> <div>pww\IL084EBIDINTEG\Illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\DI00518\Drawings\Design\DI00518-sht-details.dgn</div> <div>Default</div>		<div>USER NAME = Bilgramiso</div> <div>PLOT SCALE = 10.0000 ' / in.</div> <div>PLOT DATE = 12/5/2018</div>	<div>DESIGNED -</div> <div>CHECKED -</div> <div>DATE -</div>	<div>REVISED -</div> <div>REVISED -</div> <div>REVISED -</div> <div>REVISED -</div>	<div>STATE OF ILLINOIS</div> <div>DEPARTMENT OF TRANSPORTATION</div>		<div>SIDEWALK DETAIL PLAN</div> <div>IL 43 (HARLEM AVENUE) – US 6 (159TH STREET) TO US 30 (LINCOLN HIGHWAY)</div> <div>SCALE: SHEET 4 OF 23 SHEETS STA. TO STA.</div>				<div>F.A.P. RTE.</div> <div>348</div>	<div>SECTION</div> <div>3127(1,2,3&amp;3.1)RS-3</div>	<div>COUNTY</div> <div>COOK, WILL</div>	<div>TOTAL SHEETS</div> <div>72</div>	<div>SHEET NO.</div> <div>29</div>
										CONTRACT NO. 62F49		ILLINOIS FED. AID PROJECT			



IL 43

174TH ST. NORTH WEST & SOUTH WEST CORNERS

LEGEND



EXISTING LENGTH



EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



PROPOSED SIDE CURB

SC

TOP OF PROPOSED  
SIDE CURB



CLASS D PATCH



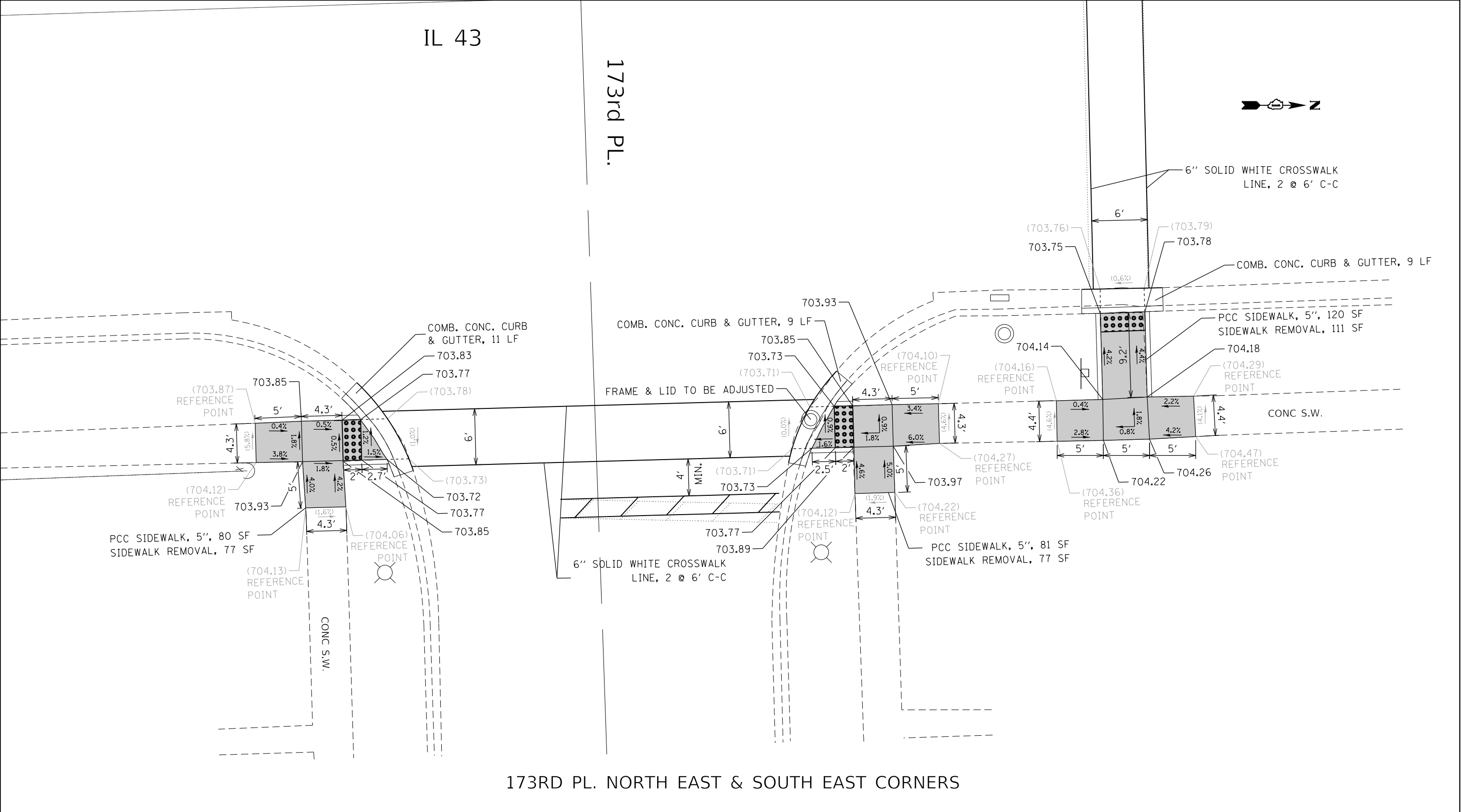
DETECTABLE WARNINGS



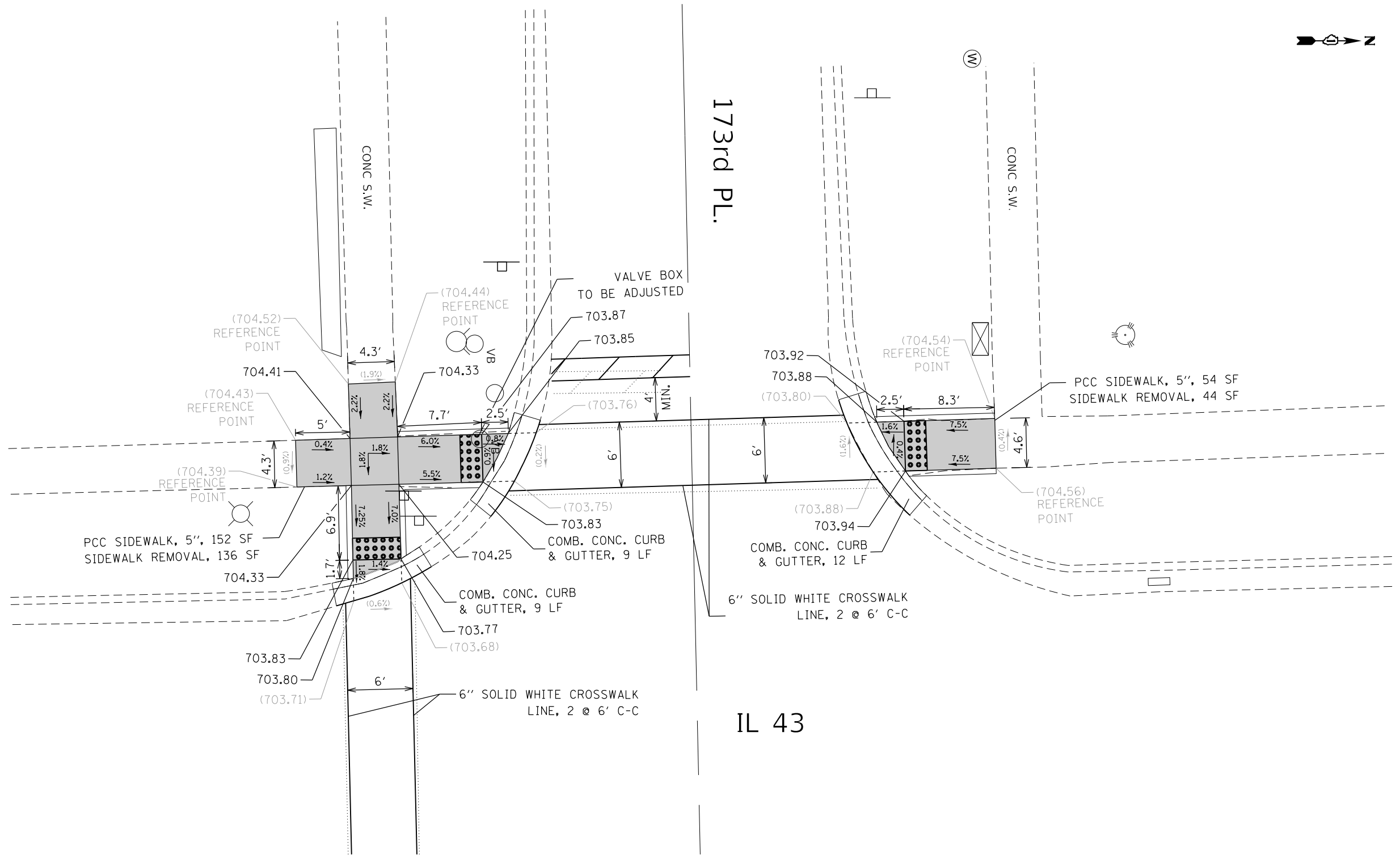
SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 702.25  
BENCHMARK : NORTH WEST BOLT ON FIRE HYDRANT  
LOCATION : ON NORTH WEST CORNER OF HARLEM AVE. AND  
174TH ST.

FILE NAME = pw\11\084EBIDINTEG\Illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\DI00518\Design\DI00518-sht-details.dgn Default	USER NAME = Bilgramiso	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIDEWALK DETAIL PLAN IL 43 (HARLEM AVENUE) – US 6 (159TH STREET) TO US 30 (LINCOLN HIGHWAY)	SCALE:	SHEET 5	OF 23	SHEETS	STA.	TO STA.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		PLOT SCALE = 10.0000' / in.	CHECKED -									348	3127(1,2,3&3.1)RS-3	COOK, WILL	72	30
		PLOT DATE = 12/5/2018	DATE -									CONTRACT NO. 62F49				
												ILLINOIS FED. AID PROJECT				



<div>LEGEND</div> <div><div><div>XXXX'</div>EXISTING LENGTH</div><div>( )</div>EXISTING ELEVATION/SLOPE</div> <div><div><div></div>PROPOSED SIDEWALK</div><div><div></div>PROPOSED SIDE CURB</div><div>SC</div>TOP OF PROPOSED SIDE CURB</div> <div><div><div></div>CLASS D PATCH</div><div><div></div>DETECTABLE WARNINGS</div><div><div></div>SIDEWALK REMOVAL REPLACE W/TOPSOIL &amp; SOD</div></div>
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173RD PL. NORTH WEST & SOUTH WEST CORNERS

LEGEND



EXISTING LENGTH



EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



PROPOSED SIDE CURB

SC

TOP OF PROPOSED  
SIDE CURB



CLASS D PATCH



DETECTABLE WARNINGS



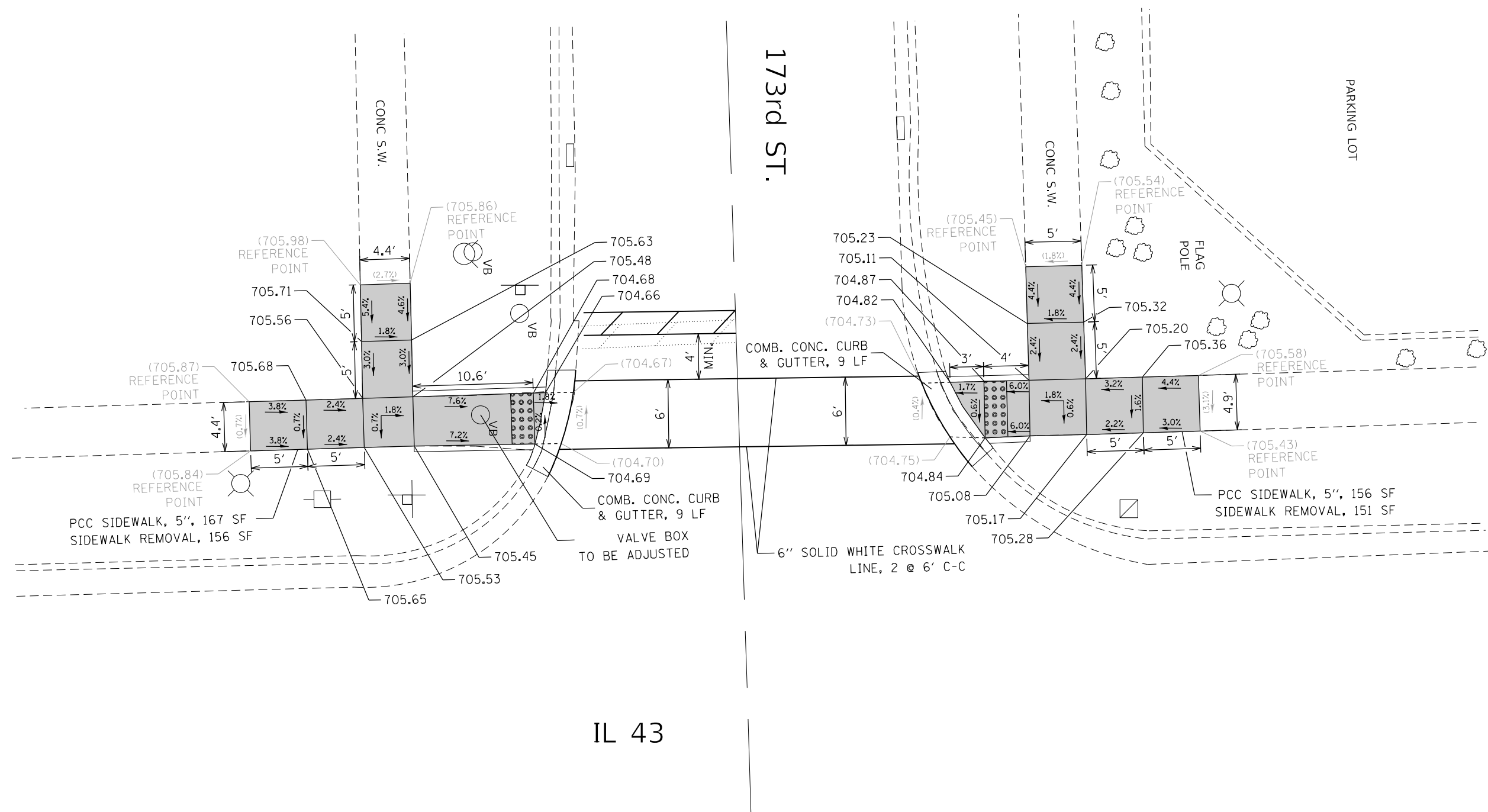
SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 705.59

BENCHMARK : SOUTH WEST BOLT ON FIRE HYDRANT

LOCATION : ON SOUTH WEST CORNER OF HARLEM AVE. AND  
173RD PL.

FILE NAME = p:\11\084EBID\INTEG\Illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\DI00518-1\Design\DI00518-sht-details.dgn	USER NAME = Bilgramiso	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIDEWALK DETAIL PLAN IL 43 (HARLEM AVENUE) - US 6 (159TH STREET) TO US 30 (LINCOLN HIGHWAY)	SCALE: SHEET 7 OF 23 SHEETS STA. TO STA.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED -	REVISED -				348	3127(1,2,3&3.1)RS-3	COOK, WILL	72	32
		PLOT DATE = 12/5/2018	DATE -				CONTRACT NO. 62F49				



173RD ST. NORTH WEST & SOUTH WEST CORNERS

LEGEND



EXISTING LENGTH



EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



PROPOSED SIDE CURB

SC

TOP OF PROPOSED  
SIDE CURB



CLASS D PATCH



DETECTABLE WARNINGS



SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 706.93

BENCHMARK : SOUTH WEST BOLT ON FIRE HYDRANT

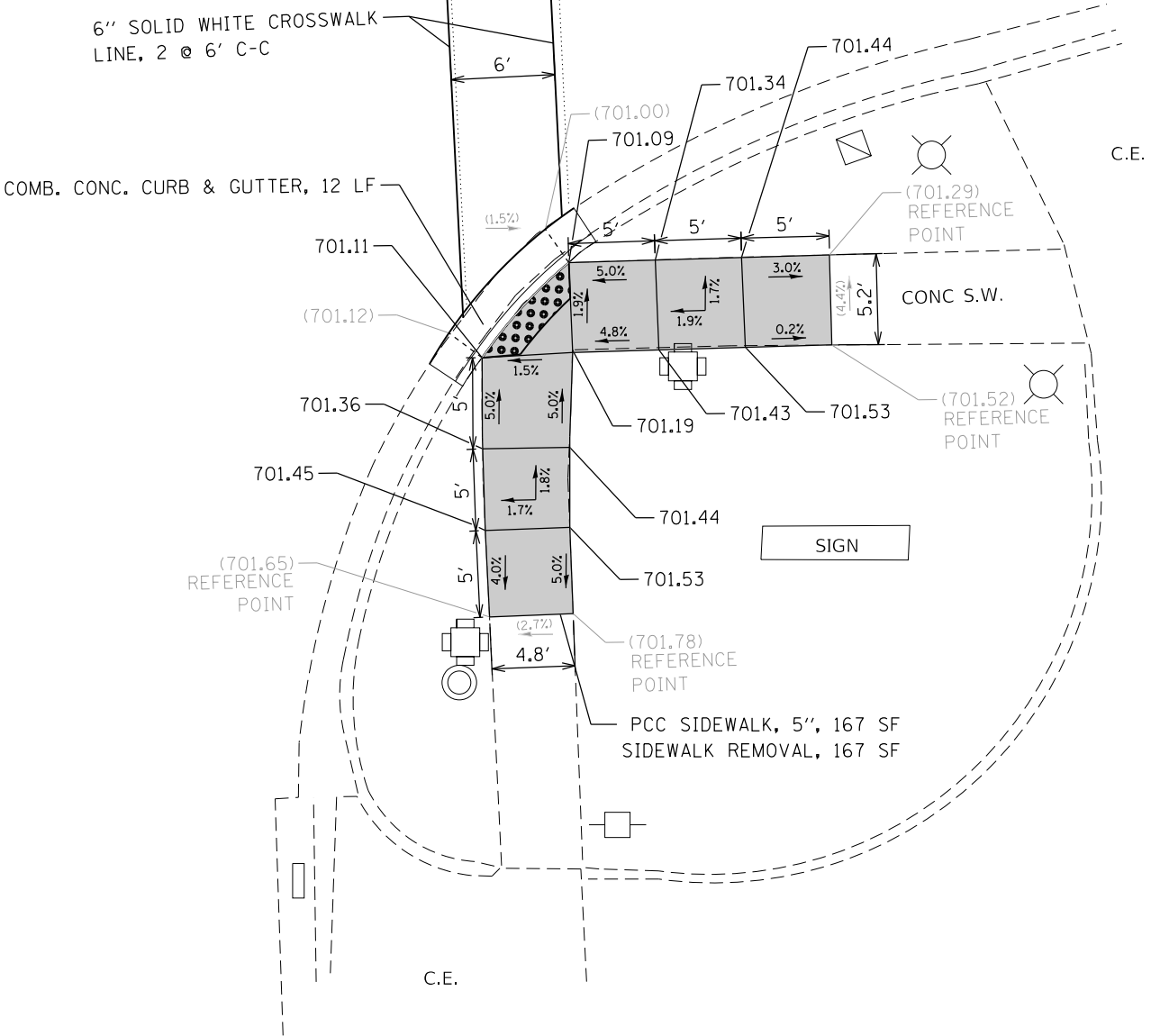
LOCATION : ON SOUTH WEST CORNER OF HARLEM AVE. AND  
173RD ST.

FILE NAME =	USER NAME = Bilgramiso	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIDEWALK DETAIL PLAN IL 43 (HARLEM AVENUE) – US 6 (159TH STREET) TO US 30 (LINCOLN HIGHWAY)	F.A.P. SECTION		COUNTY	TOTAL SHEETS	SHEET NO.	
pwt\11\084EBID\INTEG\Illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\DI00518\Design\DI00518-shd-details.dgn		CHECKED -	REVISED -			348	3127(1,2,3&3.1)RS-3	COOK, WILL	72	33	
	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 62F49					
Default	PLOT DATE = 12/5/2018	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
						SCALE: SHEET 8 OF 23 SHEETS STA. TO STA.					



IL 43

171st ST.



171ST ST. SOUTH EAST CORNER

LEGEND



EXISTING LENGTH



EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



PROPOSED SIDE CURB

SC

TOP OF PROPOSED  
SIDE CURB



CLASS D PATCH



DETECTABLE WARNINGS



SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 702.05

BENCHMARK : NORTH EAST BOLT ON FIRE HYDRANT

LOCATION : ON NORTH EAST CORNER OF HARLEM AVE. AND  
171ST ST.

FILE NAME =	USER NAME = Bilgramiso	DESIGNED -	REVISED -
p:\IL\084EBID\INTEG\Illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\DI00518-1\00518-1-sht-details.dgn		DESIGNED -	REVISED -
Default	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/5/2018	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL PLAN			
IL 43 (HARLEM AVENUE) – US 6 (159TH STREET) TO US 30 (LINCOLN HIGHWAY)			
SCALE:	SHEET 10	OF 23 SHEETS	STA. TO STA.

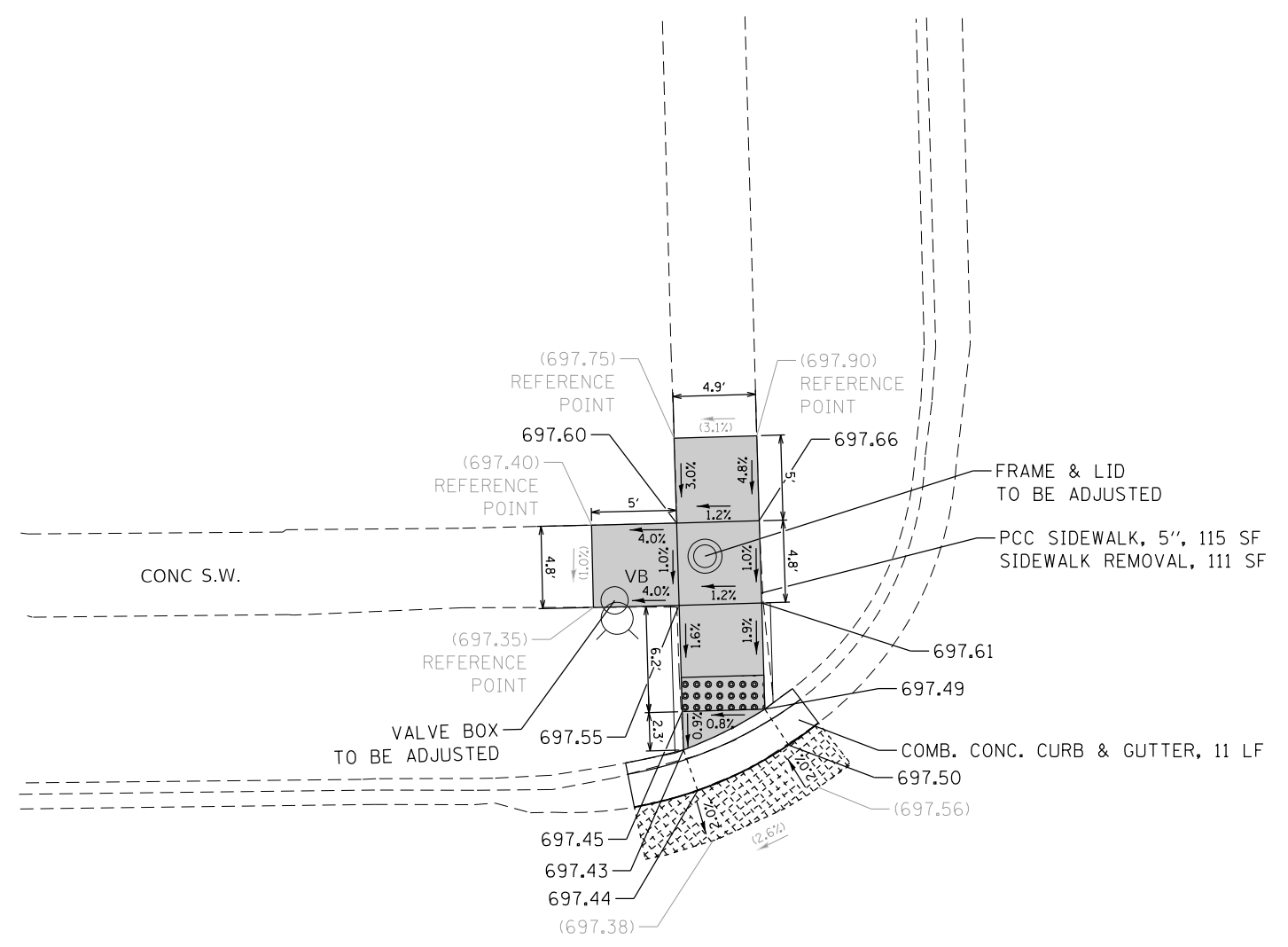
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	3127(1,2,3&3.1)RS-3	COOK, WILL	72	35
CONTRACT NO. 62F49				
ILLINOIS FED. AID PROJECT				







IL 43



SANDY LN.

SANDY LN. NORTH WEST CORNER

### LEGEND

- EXISTING LENGTH
- EXISTING ELEVATION/SLOPE

- PROPOSED SIDEWALK
- PROPOSED SIDE CURB
- TOP OF PROPOSED SIDE CURB

- CLASS D PATCH
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

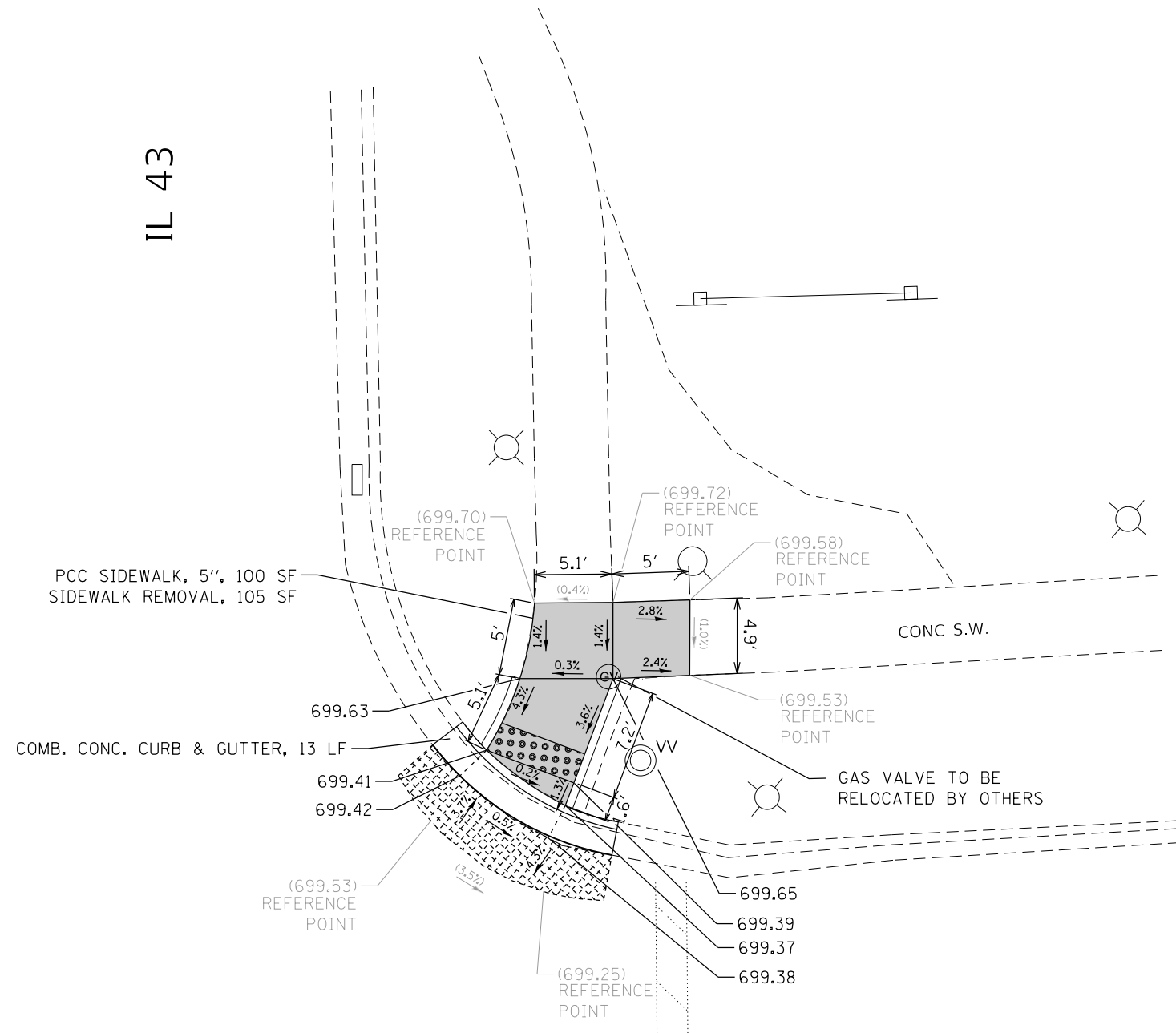
REFERENCE BENCHMARK ELEV 698.91  
BENCHMARK : NORTH WEST BOLT ON FIRE HYDRANT  
LOCATION : ON NORTH WEST CORNER OF HARLEM AVE. AND SANDY LN.

FILE NAME =	USER NAME = Bilgramiso	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIDEWALK DETAIL PLAN			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\1\IL084EBIDINTEG\Illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\DI00518-1\Design\DI00518-sht-details.dgn			REVISED -		IL 43 (HARLEM AVENUE) – US 6 (159TH STREET) TO US 30 (LINCOLN HIGHWAY)			348	3127(1,2,3&3.1)RS-3	COOK, WILL	72	37
	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -					CONTRACT NO. 62F49				
Default	PLOT DATE = 12/5/2018	DATE -	REVISED -		SCALE: SHEET 12 OF 23 SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT				





IL 43



168th ST.

168TH ST. NORTH EAST CORNER

### LEGEND



EXISTING LENGTH



EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



PROPOSED SIDE CURB

SC

TOP OF PROPOSED  
SIDE CURB



CLASS D PATCH



DETECTABLE WARNINGS



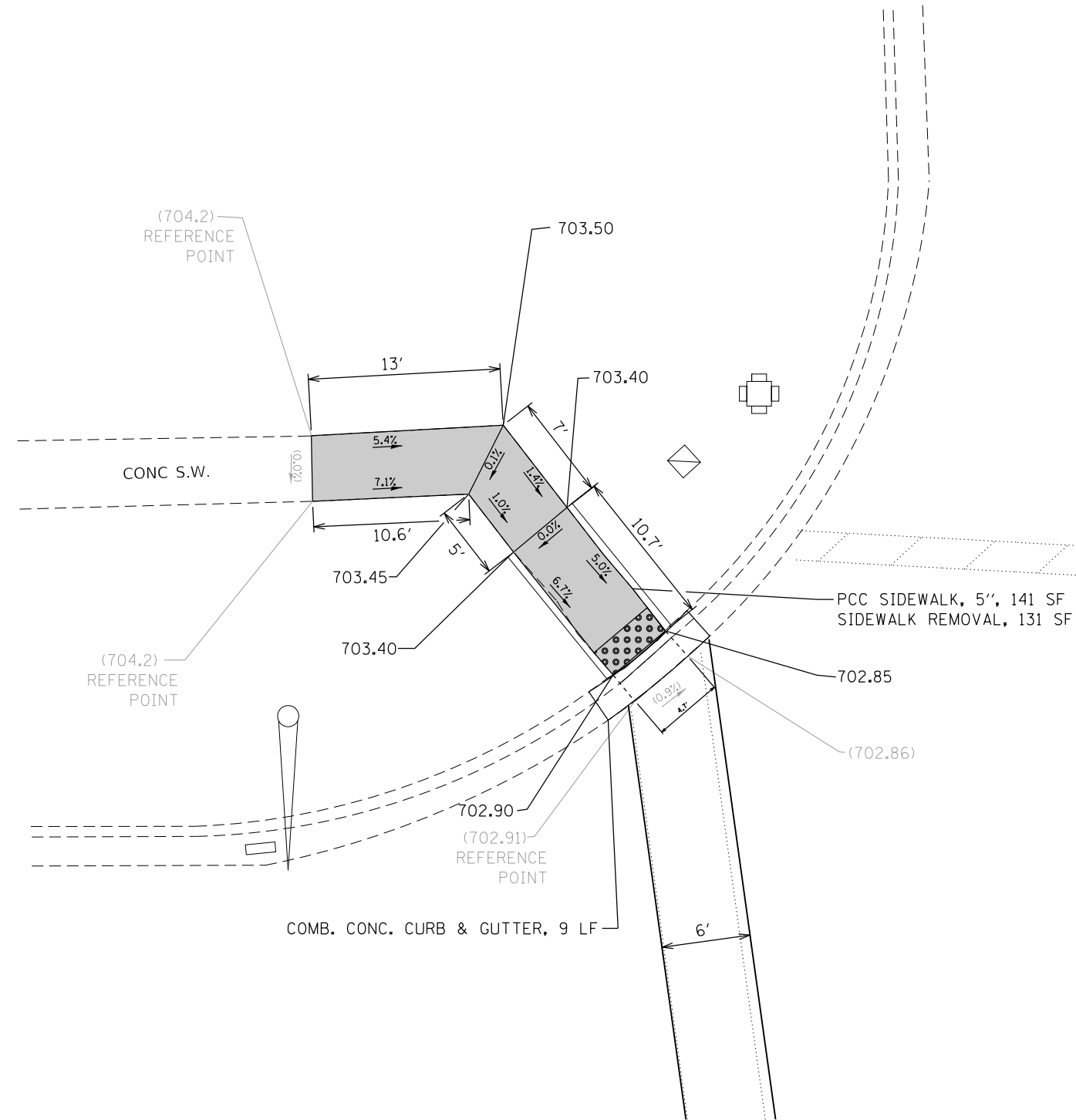
SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 701.578

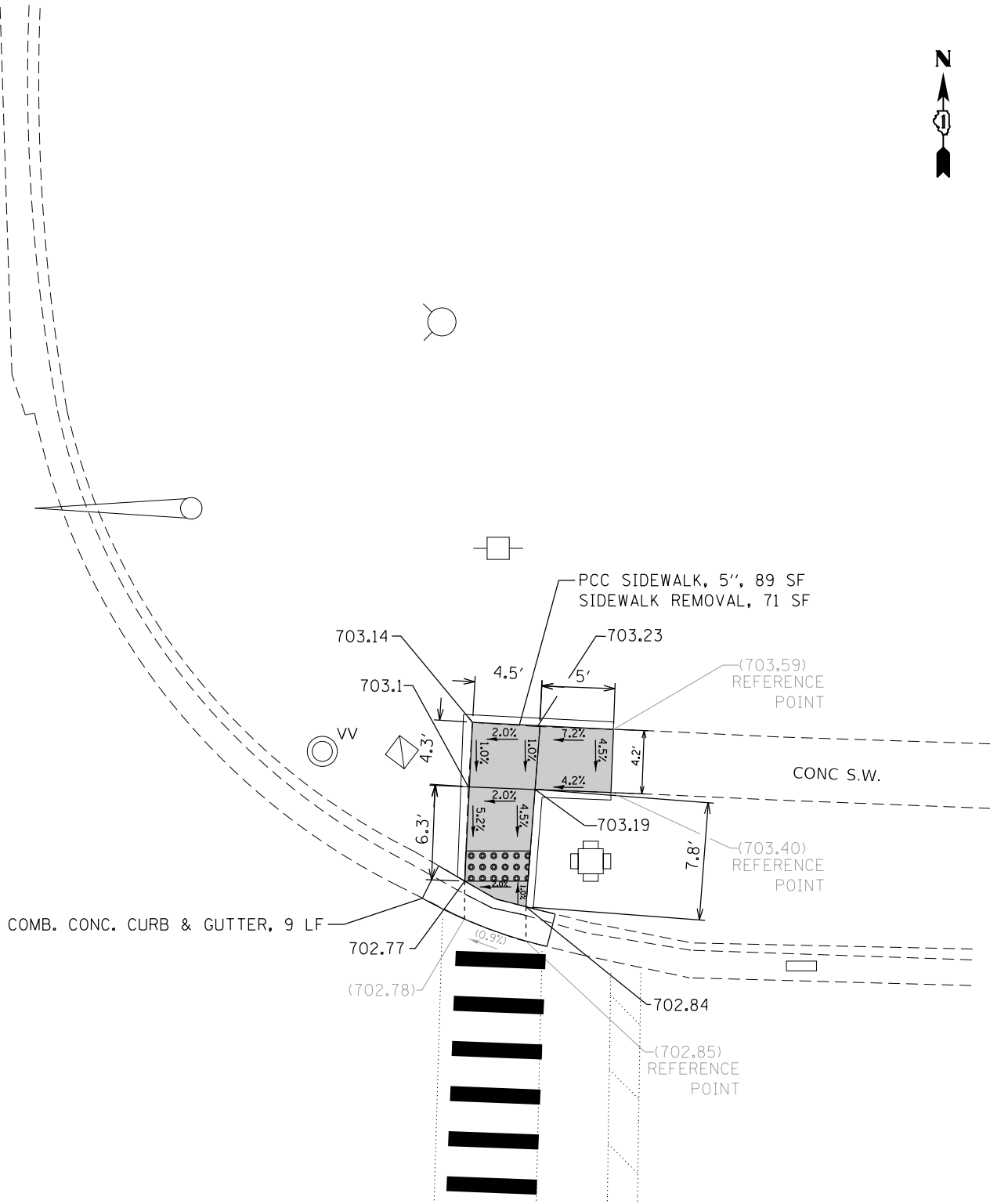
BENCHMARK : NORTH EAST BOLT ON FIRE HYDRANT

LOCATION : ON NORTH EAST CORNER OF HARLEM AVE.  
AND 168TH ST.

FILE NAME =	USER NAME = Bilgramiso	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIDEWALK DETAIL PLAN				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\1\IL084EBIDINTEG\Illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\DI00518-sht-details.dgn		DATE = 12/5/2018	REVISED -		IL 43 (HARLEM AVENUE) – US 6 (159TH STREET) TO US 30 (LINCOLN HIGHWAY)				348	3127(1,2,3&3.1)RS-3	COOK, WILL	72	39
	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -						CONTRACT NO. 62F49				
Default	PLOT DATE = 12/5/2018	DATE -	REVISED -						ILLINOIS FED. AID PROJECT				
					SCALE:	SHEET 14	OF 23 SHEETS	STA.	TO STA.				



167TH ST. NORTHWEST CORNER



167TH ST. NORTHEAST CORNER

LEGEND



EXISTING LENGTH



EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



PROPOSED SIDE CURB

SC

TOP OF PROPOSED  
SIDE CURB



CLASS D PATCH



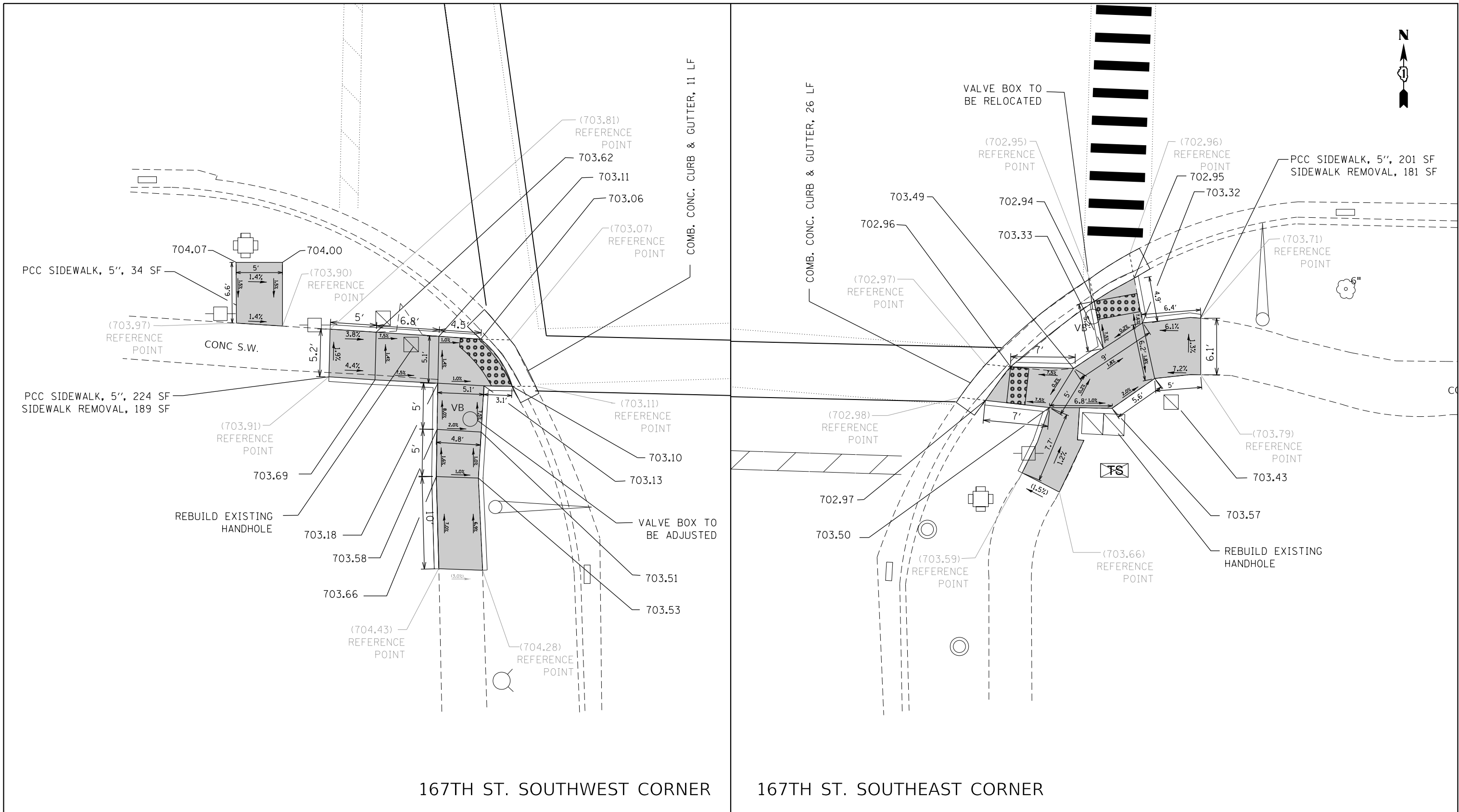
DETECTABLE WARNINGS



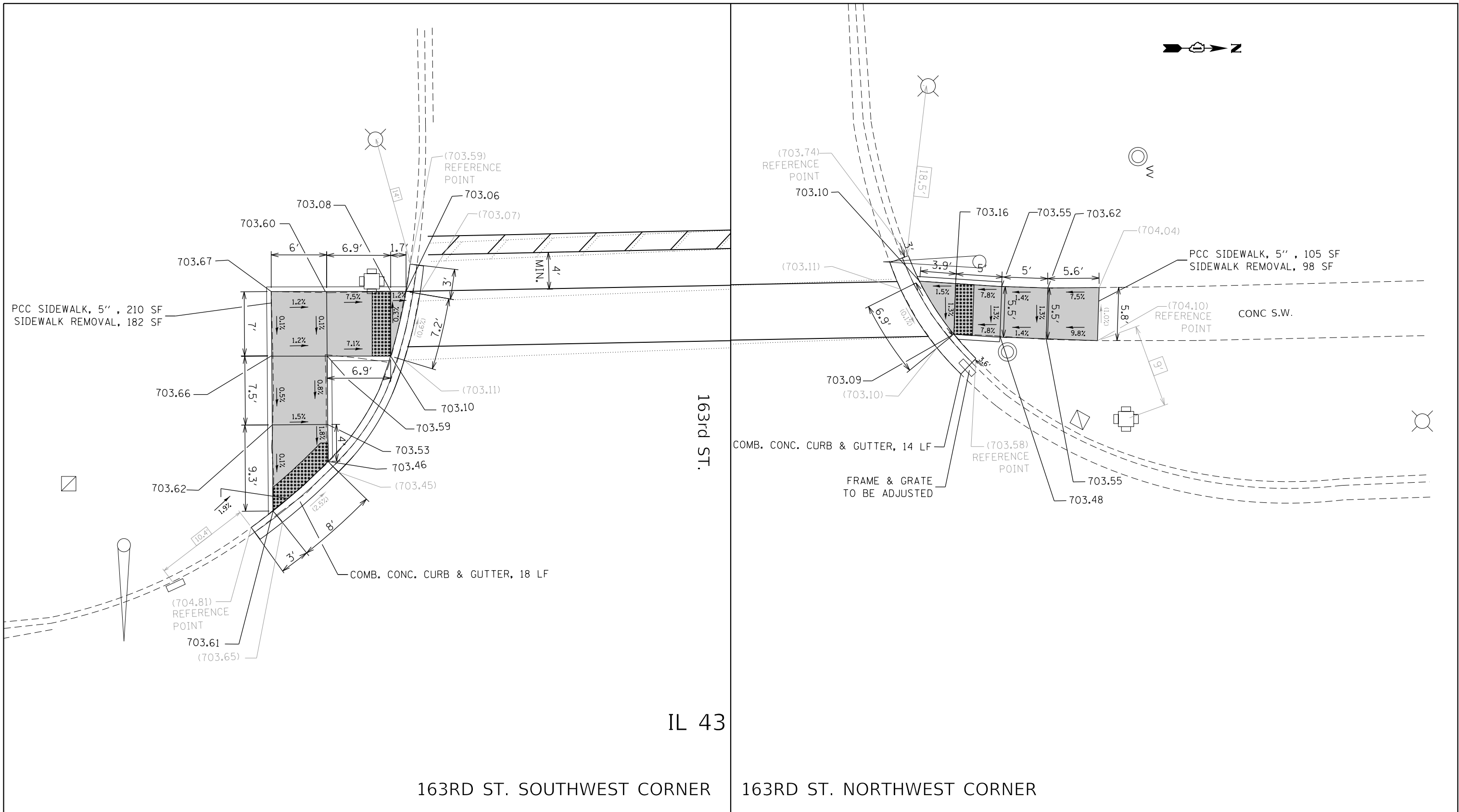
SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 703.909  
BENCHMARK : SQUARE ON SIGNAL MASTARM BASE  
LOCATION : ON NORTH WEST CORNER OF HARLEM AVE.  
AND 167TH ST.

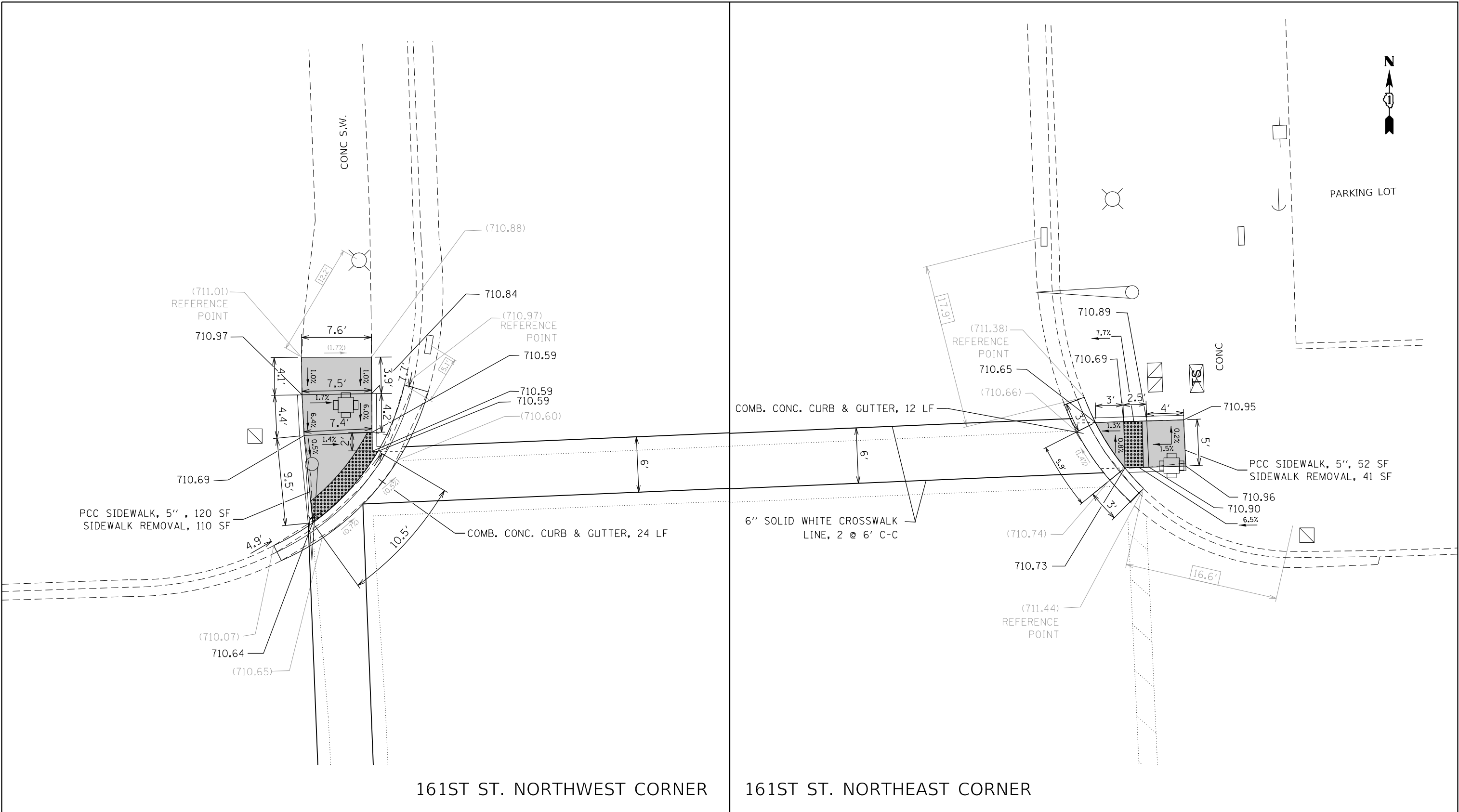
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		CHECKED -	REVISED -						348	3127(1,2,3&3.1)RS-3	COOK, WILL	72	40
		DATE -	REVISED -						CONTRACT NO. 62F49				
		PLOT DATE = 12/5/2018							ILLINOIS FED. AID PROJECT				



LEGEND				REFERENCE BENCHMARK ELEV 703.909			
<div>xx.xx'</div> EXISTING LENGTH				BENCHMARK : SQUARE ON SIGNAL MASTARM BASE			
( ) EXISTING ELEVATION/SLOPE				LOCATION : ON NORTH WEST CORNER OF HARLEM AVE. AND 167TH ST.			
<div></div> PROPOSED SIDEWALK				<div></div> CLASS D PATCH			
<div></div> PROPOSED SIDE CURB				<div></div> DETECTABLE WARNINGS			
SC TOP OF PROPOSED SIDE CURB				<div></div> SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD			
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				SIDEWALK DETAIL PLAN IL 43 (HARLEM AVENUE) – US 6 (159TH STREET) TO US 30 (LINCOLN HIGHWAY)			
FILE NAME =				SCALE:			
USER NAME = Bilgramiso				SHEET 16 OF 23 SHEETS STA. TO STA.			
DESIGNED -				F.A.P. RTE.			
REVISED -				SECTION			
REVISED -				COUNTY			
PLOT SCALE = 10.0000' / in.				COOK, WILL			
CHECKED -				CONTRACT NO. 62F49			
DATE -				ILLINOIS FED. AID PROJECT			
PLOT DATE = 12/5/2018				TOTAL SHEETS			
				72			
				41			



LEGEND				REFERENCE BENCHMARK ELEV 704.515 BENCHMARK : CUT SQUARE ON CORNER OF TRAFF. SIGNAL HANDHOLE LOCATION : ON NORTH EAST CORNER OF HARLEM AVE. AND 163RD ST.			
XXXX'	EXISTING LENGTH	SC	TOP OF PROPOSED SIDE CURB	CLASS D PATCH	DETECTABLE WARNINGS	SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD	
( )	EXISTING ELEVATION/SLOPE						
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				SIDEWALK DETAIL PLAN IL 43 (HARLEM AVENUE) – US 6 (159TH STREET) TO US 30 (LINCOLN HIGHWAY)			
FILE NAME =	USER NAME = Bilgramiso	DESIGNED -	REVISED -	SCALE:	SHEET 17	OF 23 SHEETS	STA. TO STA.
pw:\IL\084EBID\INTEG\Illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\DI00518\Design\DI00518-sht-details.dgn		CHECKED -	REVISED -	F.A.P. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.			
Default		DATE -	REVISED -	348 3127(1,2,3&3.1)RS-3 COOK, WILL 72 42			
				CONTRACT NO. 62F49			
				ILLINOIS FED. AID PROJECT			



LEGEND

XXXX'

EXISTING LENGTH

( )

EXISTING ELEVATION/SLOPE

PROPOSED SIDEWALK

PROPOSED SIDE CURB

SC

TOP OF PROPOSED SIDE CURB

CLASS D PATCH

DETECTABLE WARNINGS

SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 712.544  
  
BENCHMARK : "X" ON EAST SIDE OF OLD CONC. LIGHT BASE  
  
LOCATION : ON SOUTH WEST CORNER OF HARLEM AVE. AND 161ST ST.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL PLAN  
IL 43 (HARLEM AVENUE) – US 6 (159TH STREET) TO US 30 (LINCOLN HIGHWAY)

SCALE: SHEET 18 OF 23 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	3127(1,2,3&3.1)RS-3	COOK, WILL	72	43
CONTRACT NO. 62F49				
ILLINOIS FED. AID PROJECT				

1

### LEGEND

EXISTING LENGTH

( ) EXISTING ELEVATION/SLOPE

PROPOSED SIDEWALK

PROPOSED SIDE CURB

TOP OF PROPOSED  
SIDE CURB

CLASS D PATCH

## DETECTABLE WARNINGS

SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 712.544

BENCHMARK : "X" ON EAST SIDE OF OLD CONC. LIGHT  
BASE

LOCATION : ON SOUTH WEST CORNER OF HARLEM AVE.  
AND 161ST ST.

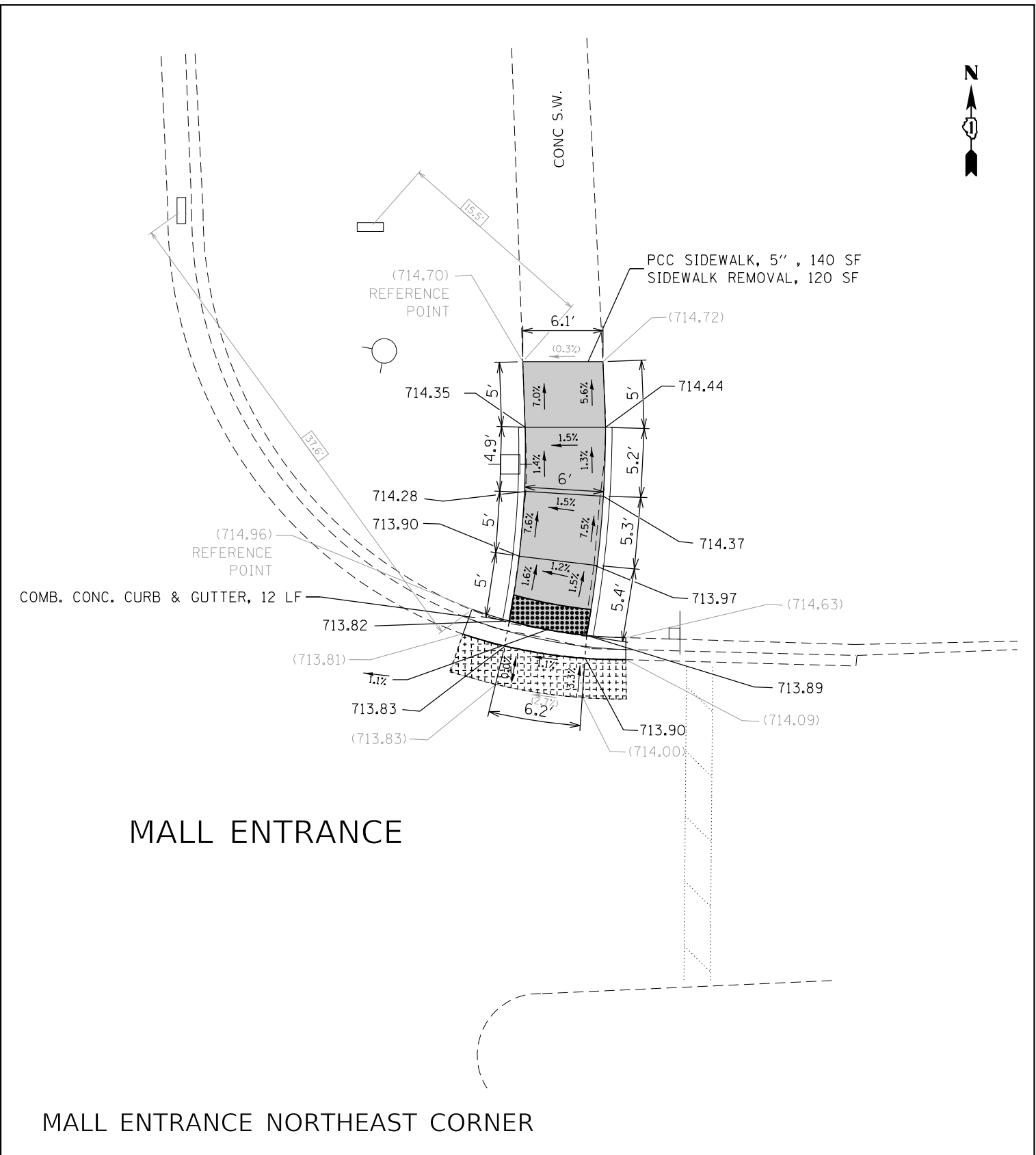
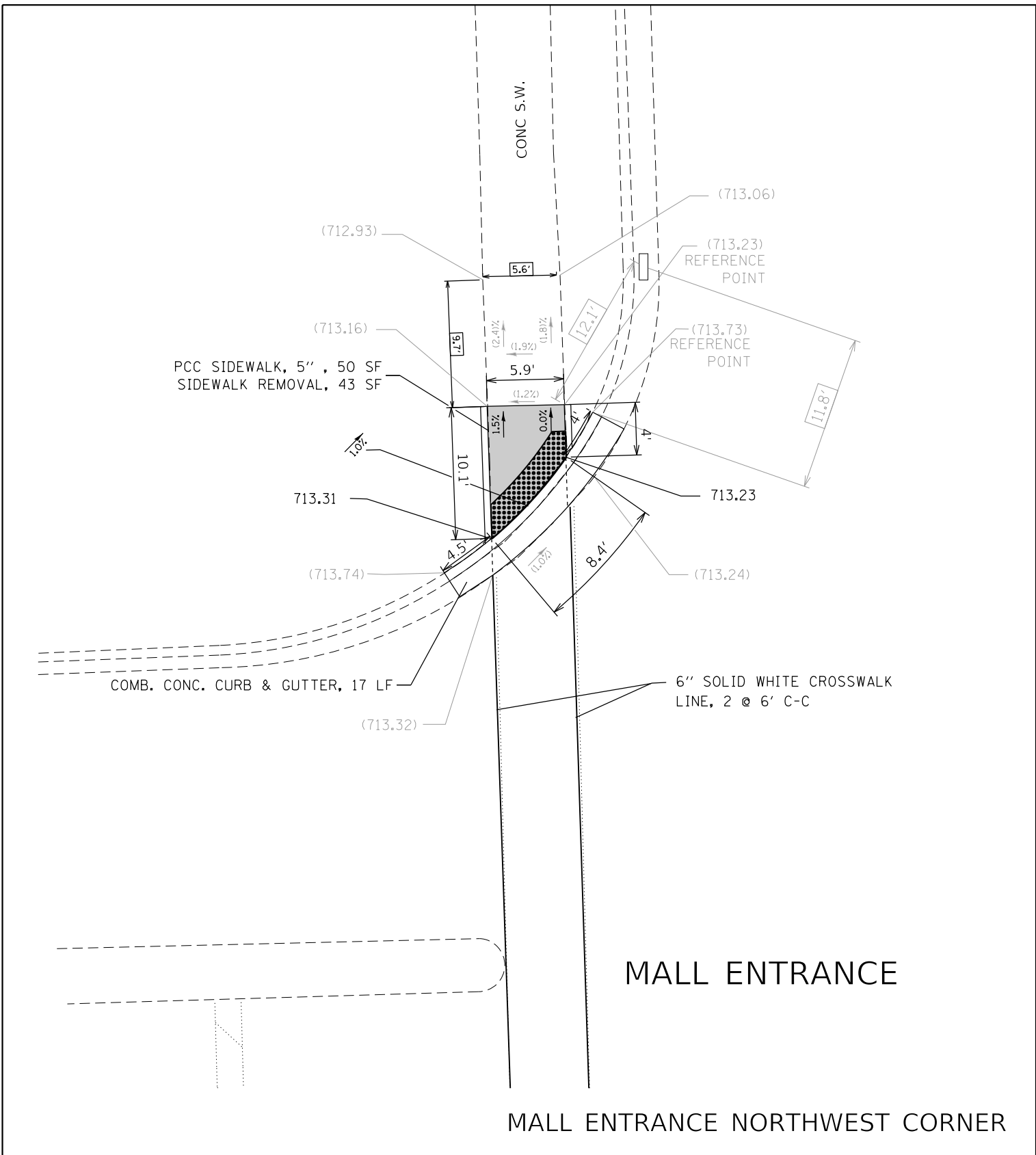
FILE NAME =	USER NAME = Bilgromse	DESIGNED -
pwt\1004EBIDEINTGallinois.gov\PIDOT\Documents\DOT Offices\District I\Projects\010258\DWG\010258-shd-details.dwg		
	PLOT SCALE = 10.0000' / in.	CHECKED -
Default	PLOT DATE = 12/5/2018	DATE -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

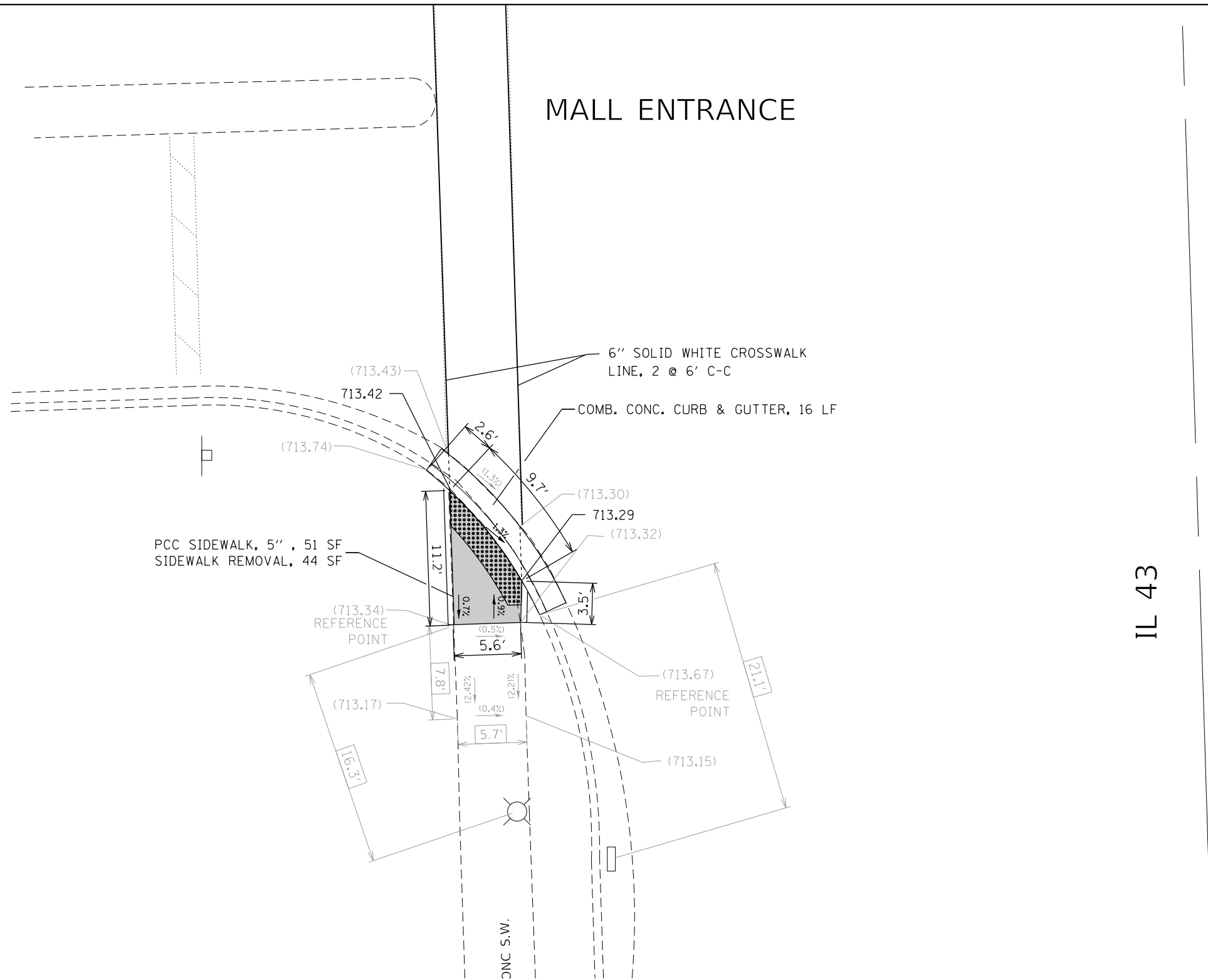
SIDEWALK DETAIL PLAN				
IL 43 (HARLEM AVENUE) – US 6 (159TH STREET) TO US 30 (LINCOLN HIGHWAY)				
SCALE:	SHEET 19	OF 23 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	3127(1,2,3&3.1)RS-3	COOK, WILL	72	44
		CONTRACT NO. 62F49		
ILLINOIS FED. AID PROJECT				





			<div>LEGEND</div> <div><div><div>XXXX'</div>EXISTING LENGTH</div><div>(     )</div>EXISTING ELEVATION/SLOPE</div> <div><div><div></div>PROPOSED SIDEWALK</div><div><div></div>PROPOSED SIDE CURB</div><div>SC</div>TOP OF PROPOSED SIDE CURB</div> <div><div><div>CLASS D PATCH</div><div>DETECTABLE WARNINGS</div><div>SIDEWALK REMOVAL REPLACE W/TOPSOIL &amp; SOD</div></div></div>			REFERENCE BENCHMARK ELEV 715.625  BENCHMARK : NORTH EAST BOLT ON FIRE HYDRANT  LOCATION : ON NORTH EAST CORNER OF HARLEM AVE. AND MALL ENTRANCE																							
<div>FILE NAME =</div> <div>pw:\IL084EBIDINTEG\Illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\DI00518\Design\DI00518-shr-details.dgn</div> <div>Default</div>			<div>USER NAME = Bilgramiso</div> <div>PLOT SCALE = 10.0000' / in.</div> <div>PLOT DATE = 12/5/2018</div>			<div>DESIGNED -</div> <div>CHECKED -</div> <div>DATE -</div>			<div>REVISED -</div> <div>REVISED -</div> <div>REVISED -</div>			<div>STATE OF ILLINOIS</div> <div>DEPARTMENT OF TRANSPORTATION</div>			<div>SIDEWALK DETAIL PLAN</div> <div>IL 43 (HARLEM AVENUE) – US 6 (159TH STREET) TO US 30 (LINCOLN HIGHWAY)</div> <div>SCALE:     SHEET 20    OF 23    SHEETS    STA.     TO STA.</div>			<div>F.A.P. RTE.</div> <div>348</div>	<div>SECTION</div> <div>3127(1,2,3&amp;3.1)RS-3</div>		<div>COUNTY</div> <div>COOK, WILL</div>	<div>TOTAL SHEETS</div> <div>72</div>	<div>SHEET NO.</div> <div>45</div>	<div>CONTRACT NO. 62F49</div>			<div>ILLINOIS FED. AID PROJECT</div>		



### LEGEND



EXISTING LENGTH



EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



PROPOSED SIDE CURB

SC

TOP OF PROPOSED  
SIDE CURB



CLASS D PATCH



DETECTABLE WARNINGS



SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 715.625

BENCHMARK : NORTH EAST BOLT ON FIRE HYDRANT

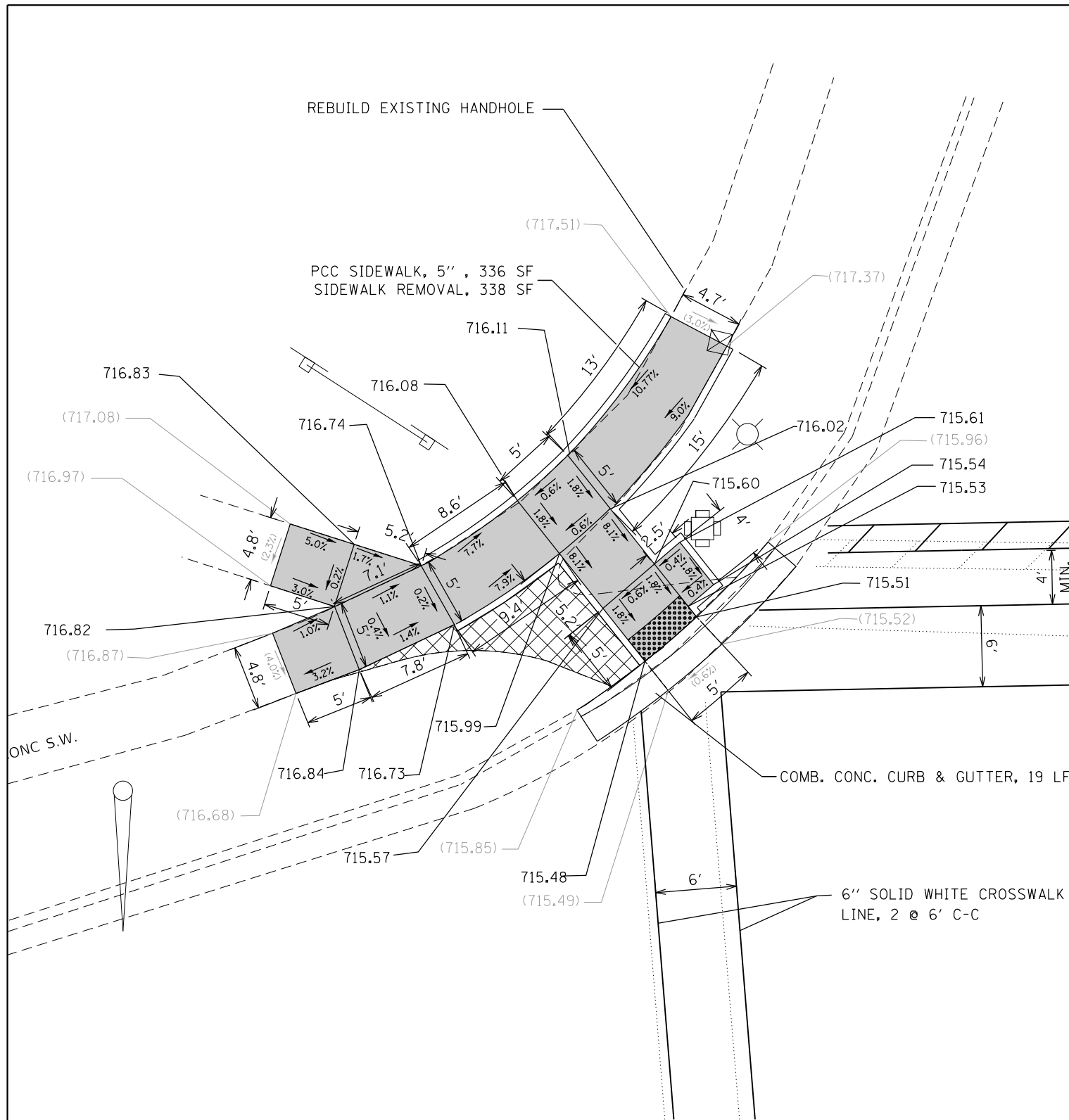
LOCATION : ON NORTH EAST CORNER OF HARLEM AVE.  
AND MALL ENTRANCE

FILE NAME =	USER NAME = Bilgramiso	DESIGNED -	REVISED -
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Default	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/5/2018	DATE -	REVISED -

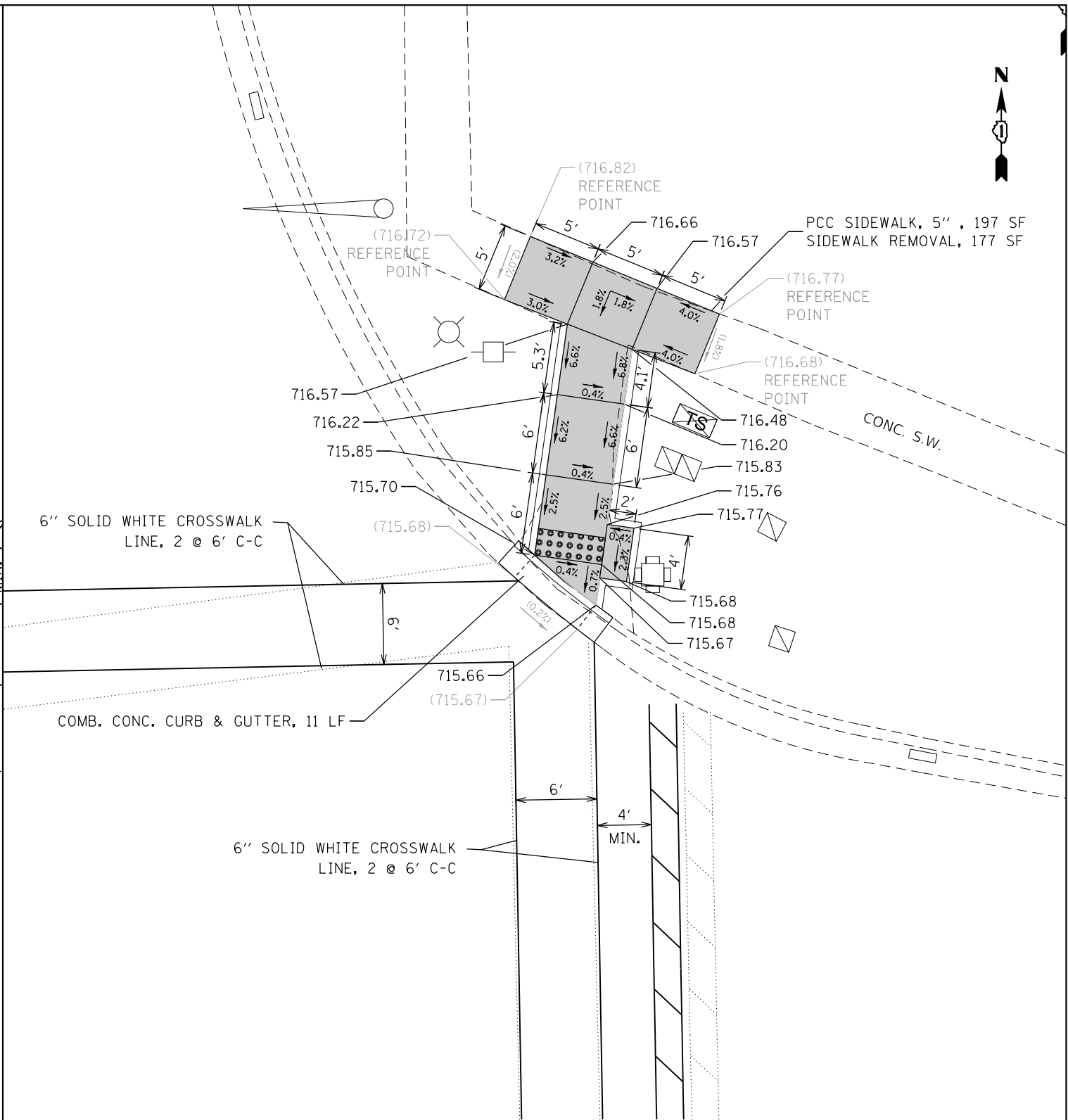
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL PLAN			
IL 43 (HARLEM AVENUE) – US 6 (159TH STREET) TO US 30 (LINCOLN HIGHWAY)			
SCALE:	SHEET 21	OF 23 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	3127(1,2,3&3.1)RS-3	COOK, WILL	72	46
CONTRACT NO. 62F49				
ILLINOIS FED. AID PROJECT				



159TH ST./ US 6    NORTHWEST CORNER



159TH ST./ US 6    NORTHEAST CORNER

LEGEND



EXISTING LENGTH



EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



PROPOSED SIDE CURB

SC

TOP OF PROPOSED  
SIDE CURB



CLASS D PATCH



DETECTABLE WARNINGS



SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 716.319

BENCHMARK : CONC. NAIL IN NORTH FACE OF POLE

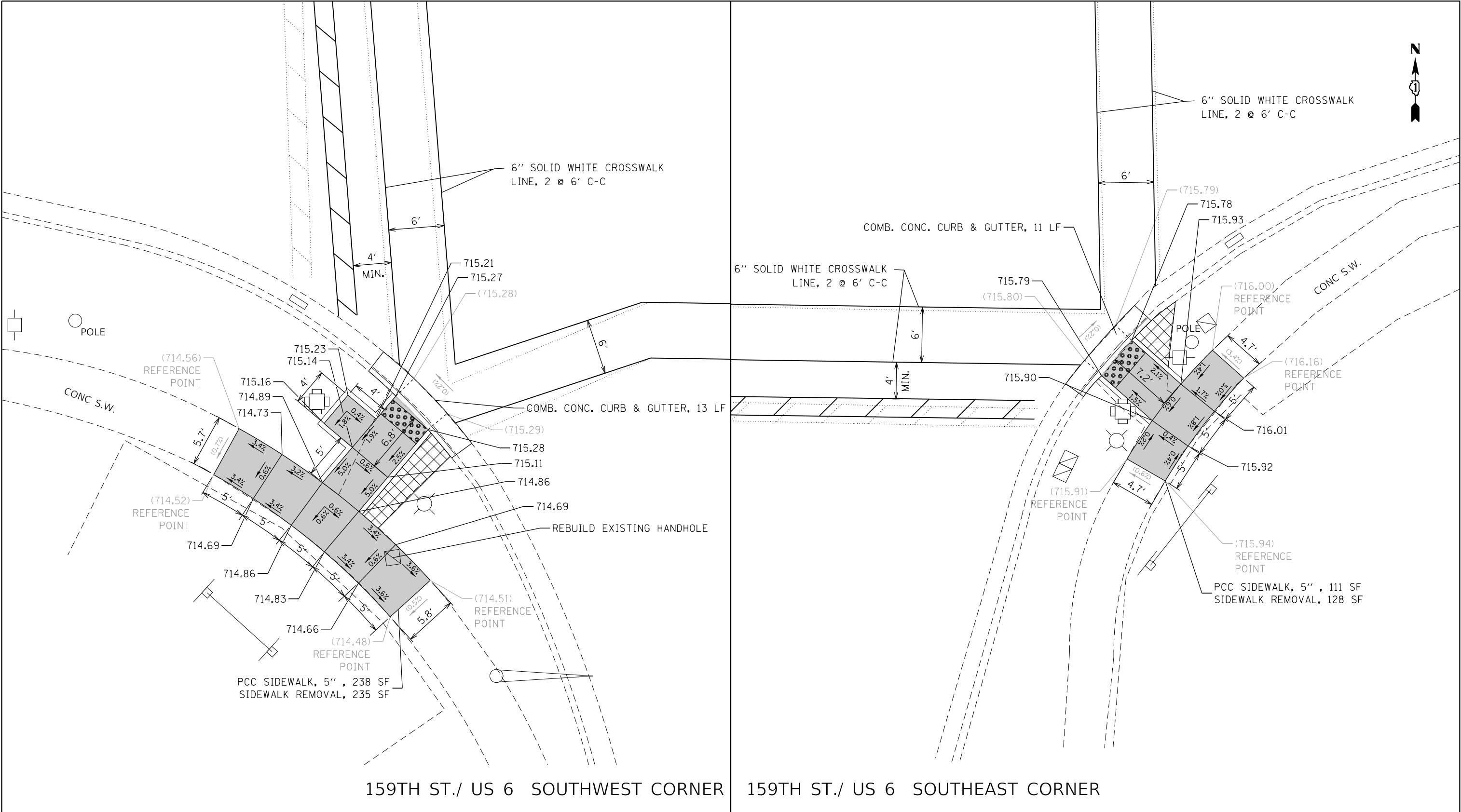
LOCATION : ON SOUTH WEST CORNER OF HARLEM AVE.  
AND 159TH ST./ US 6

FILE NAME =	USER NAME = Bilgrami	DESIGNED -	REVISED -
p:\11\084EBID\INTEG\Illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\DI00518\Design\DI00518-shd-details.dgn		DRAWN	REVISED -
Default	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/5/2018	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL PLAN			
IL 43 (HARLEM AVENUE) – US 6 (159TH STREET) TO US 30 (LINCOLN HIGHWAY)			
SCALE:	SHEET 22	OF 23 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	3127(1,2,3&3.1)RS-3	COOK, WILL	72	47
CONTRACT NO. 62F49				
ILLINOIS FED. AID PROJECT				



LEGEND

XXXX'

EXISTING LENGTH

( )

EXISTING ELEVATION/SLOPE

PROPOSED SIDEWALK

PROPOSED SIDE CURB

SC

TOP OF PROPOSED SIDE CURB

CLASS D PATCH

DETECTABLE WARNINGS

SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD

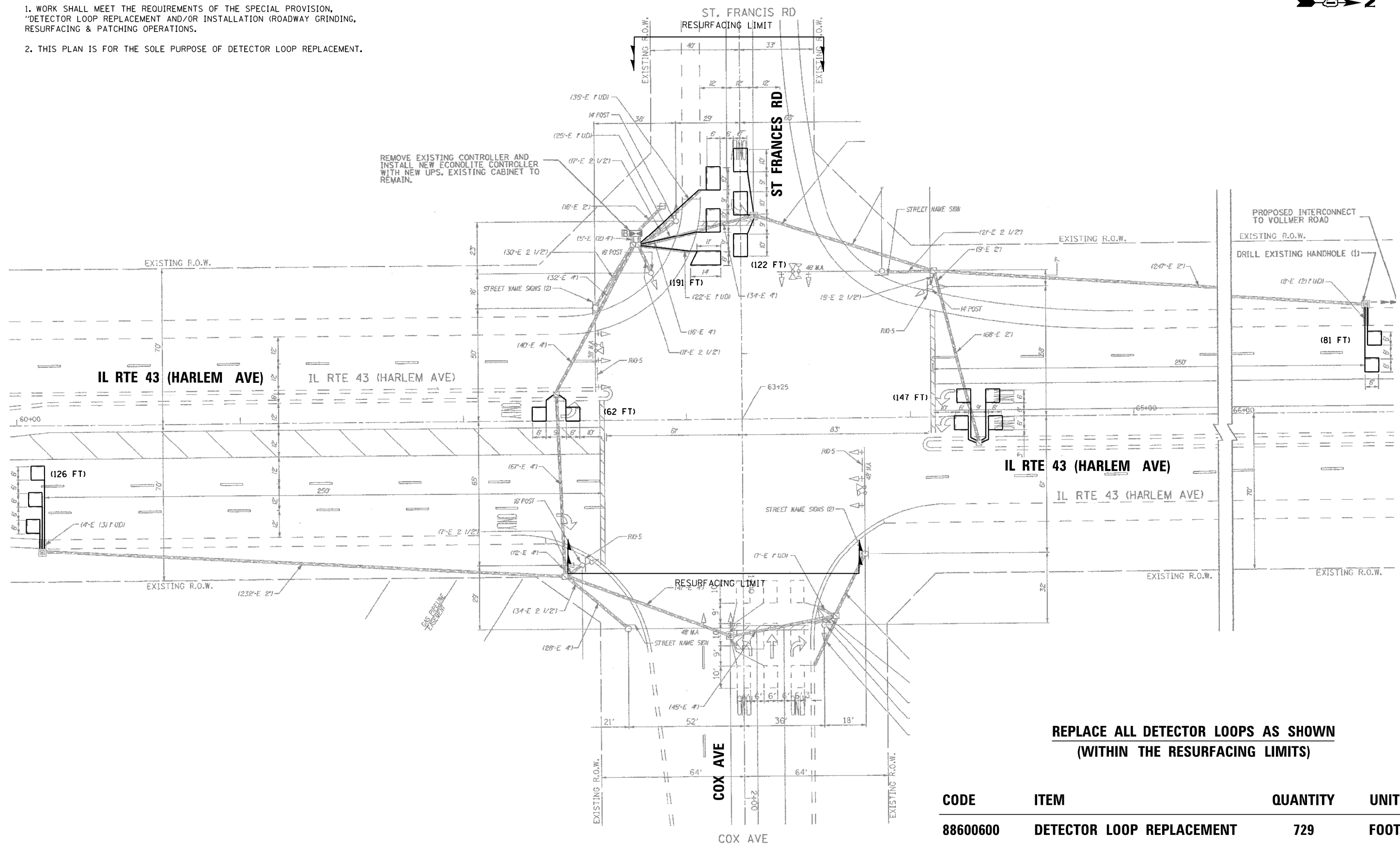
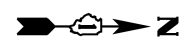
REFERENCE BENCHMARK ELEV 716.319

BENCHMARK : CONC. NAIL IN NORTH FACE OF POLE

LOCATION : ON SOUTH WEST CORNER OF HARLEM AVE.  
AND 159TH ST./ US 6

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.

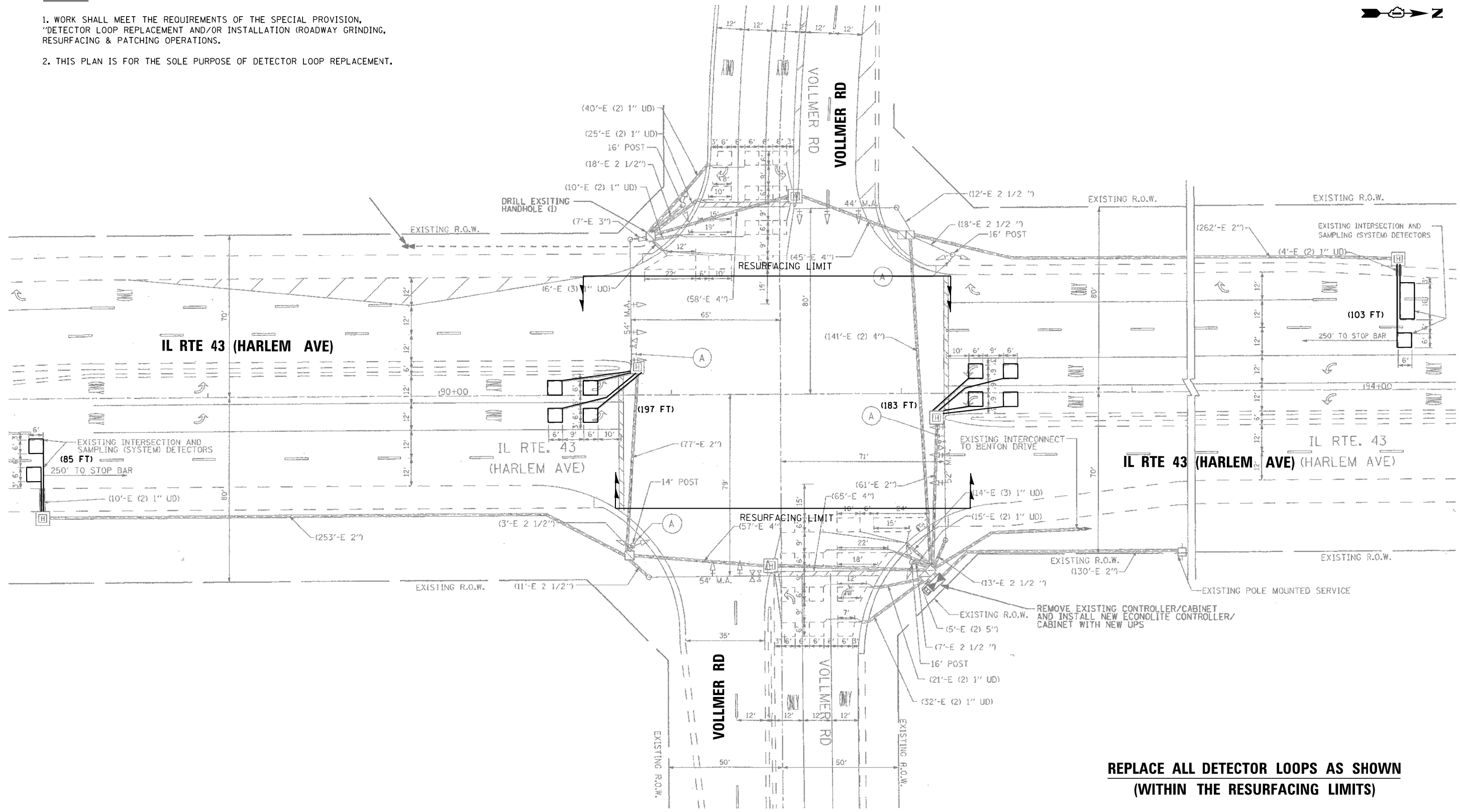
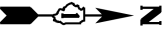


REPLACE ALL DETECTOR LOOPS AS SHOWN  
(WITHIN THE RESURFACING LIMITS)

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	729	FOOT

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.

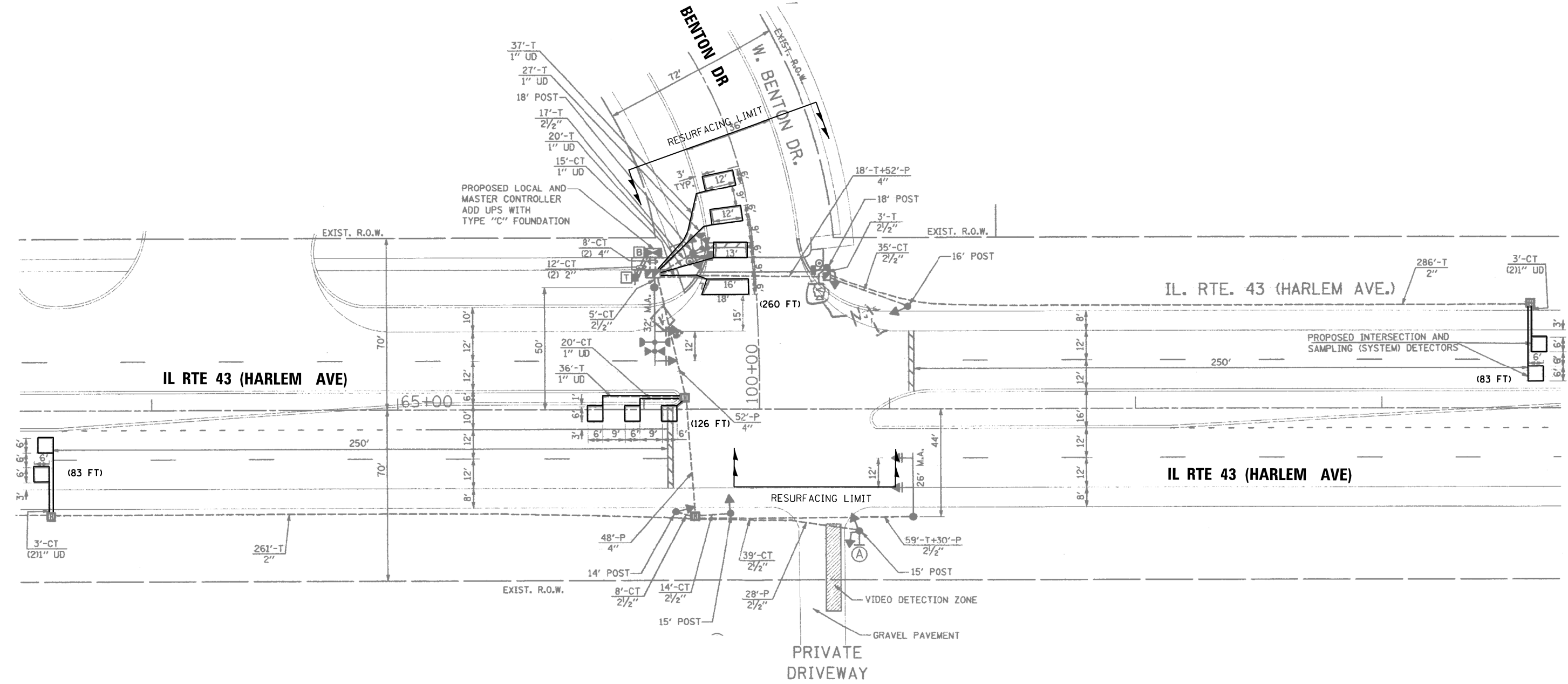


REPLACE ALL DETECTOR LOOPS AS SHOWN  
(WITHIN THE RESURFACING LIMITS)

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	568	FOOT

**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	552	FOOT

FILE NAME =  p:\11\084EBID\INTEG\Illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\DI025\BROWN\Design\RD0518-sht-details.dgn  Default	USER NAME = Bilgramis	DESIGNED - PLP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN IL 43 (HARLEM AVENUE) – US 6 (159TH STREET) TO US 30 (LINCOLN HIGHWAY)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			348	3127(1,2,3&3.1)RS-3	COOK, WILL	72	51
	PLOT DATE = 12/5/2018	DATE -	REVISED -			CONTRACT NO. 62F49				
	ILLINOIS FED. AID PROJECT									

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CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	748	FOOT

FILE NAME =	USER NAME = Bilgramise	DESIGNED - PLP	REVISED -	<div>STATE OF ILLINOIS</div> <div>DEPARTMENT OF TRANSPORTATION</div>	DETECTOR LOOP REPLACEMENT PLAN				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\N\084EBID\INTEG\Illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\DI005\BRAND\State Design\DI00518-sht-details.dgn		CHECKED -	REVISED -		IL 43 (HARLEM AVENUE) – US 6 (159TH STREET) TO US 30 (LINCOLN HIGHWAY)	34E	3127(1,2,3&3.1)RS-3	COOK,WILL	72	52			
	PLOT SCALE = 100.0000 ' / in.	DATE -	REVISED -		CONTRACT NO. 62F49								
Default	PLOT DATE = 12/5/2018	DATE -	REVISED -		SCALE:	SHEET 4	OF 12 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			



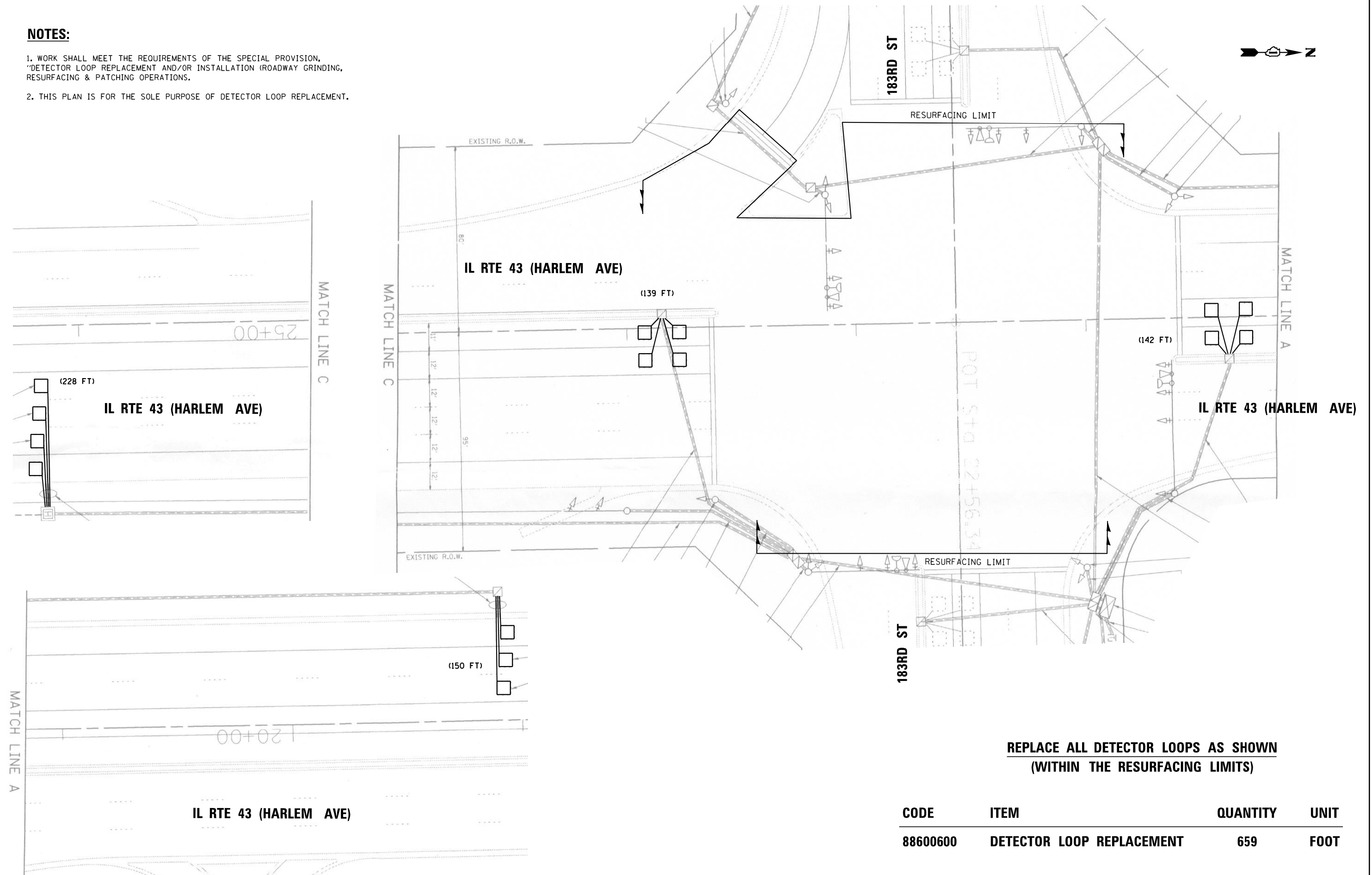
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CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	974	FOOT

FILE NAME =	USER NAME = Bilgrami	DESIGNED - PLP	REVISED -	<div>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</div>	DETECTOR LOOP REPLACEMENT PLAN				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pwd:\IL084EBID\INTEG\Illinois.gov\PID007\Documents\DOT Offices\District 1\Projects\DI005\BROWN\Auto\Design\PLP\0518-shr-details.dgn					IL 43 (HARLEM AVENUE) – US 6 (159TH STREET) TO US 30 (LINCOLN HIGHWAY)				348	3127(1,2,3&3.1RS-3	COOK,WILL	72	53
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -							CONTRACT NO. 62F49				
PLOT DATE = 12/5/2018	DATE	REVISED -											
Default				SCALE:	SHEET 5	OF 12 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT				

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.

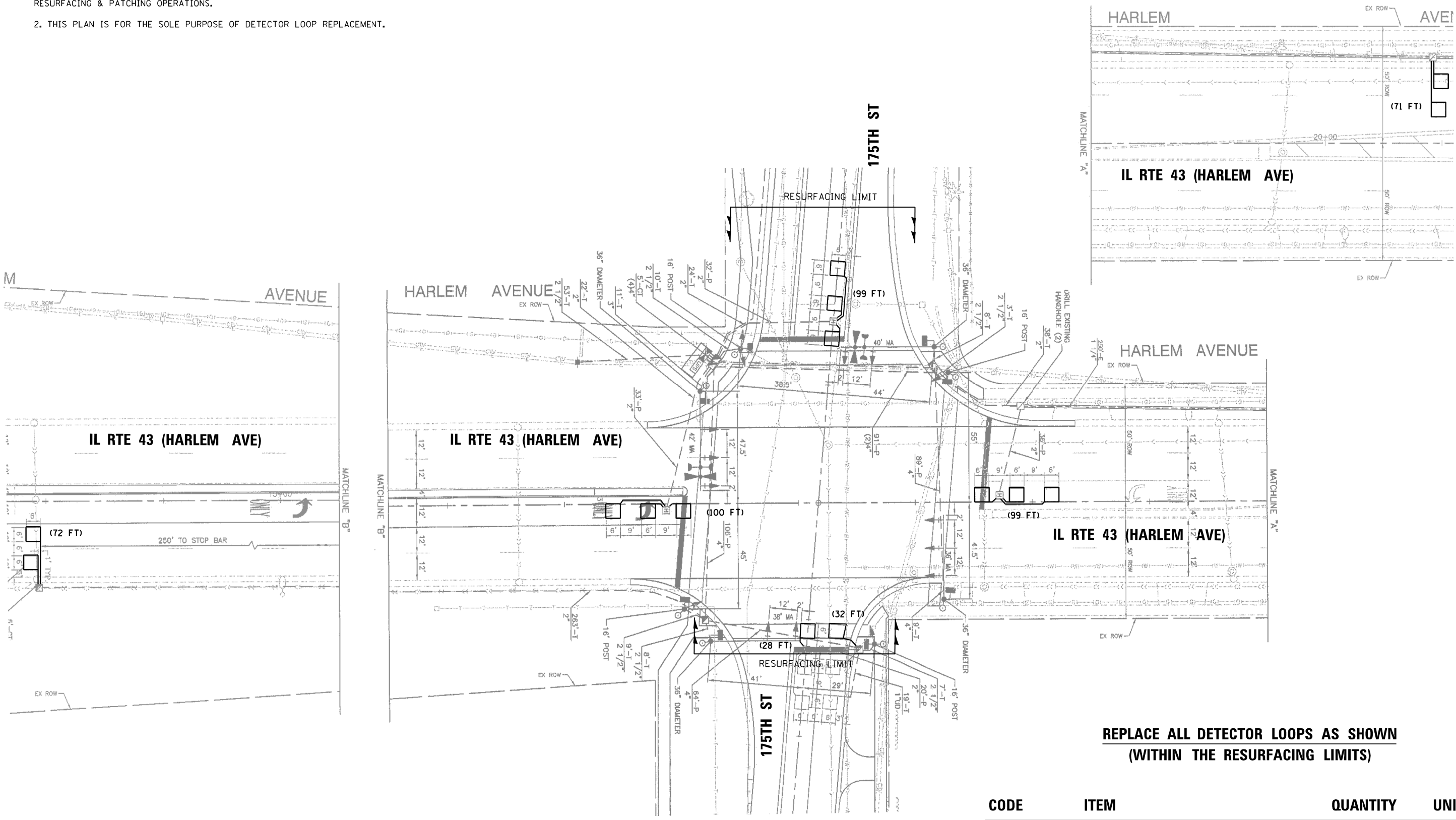


CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	659	FOOT

FILE NAME =	USER NAME = Bilgramiso	SIGNED - PLP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pwt\1\084EBID\INTEG\Illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\DI0056\Drawings\Design\00518-shr-details.dgn			REVISED -		IL 43 (HARLEM AVENUE) – US 6 (159TH STREET) TO US 30 (LINCOLN HIGHWAY)				348	3127(1,2,3&3.1)RS-3	COOK,WILL	72	54	
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -						CONTRACT NO. 62F49					
Default	PLOT DATE = 12/5/2018	DATE -	REVISED -		SCALE:	SHEET 6	OF 12 SHEETS	STA.	TO STA.					
								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	501	FOOT

FILE NAME =	USER NAME = Bilgramiso	DESIGNED - PLP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN IL 43 (HARLEM AVENUE) – US 6 (159TH STREET) TO US 30 (LINCOLN HIGHWAY)	F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
p:\1\084EBID\INTEG\Illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\DI005\Design\00518-sht-details.dgn			REVISED -			348	31271,2,38,3,1	IRS-3	COOK,WILL	72	55
Default		CHECKED -	REVISED -			CONTRACT NO. 62F49					
PLOT SCALE = 100.0000' / 1" =				SCALE:		SHEET 7	OF 12	SHEETS	STA.	TO STA.	
PLOT DATE = 12/5/2018				ILLINOIS FED. AID PROJECT							

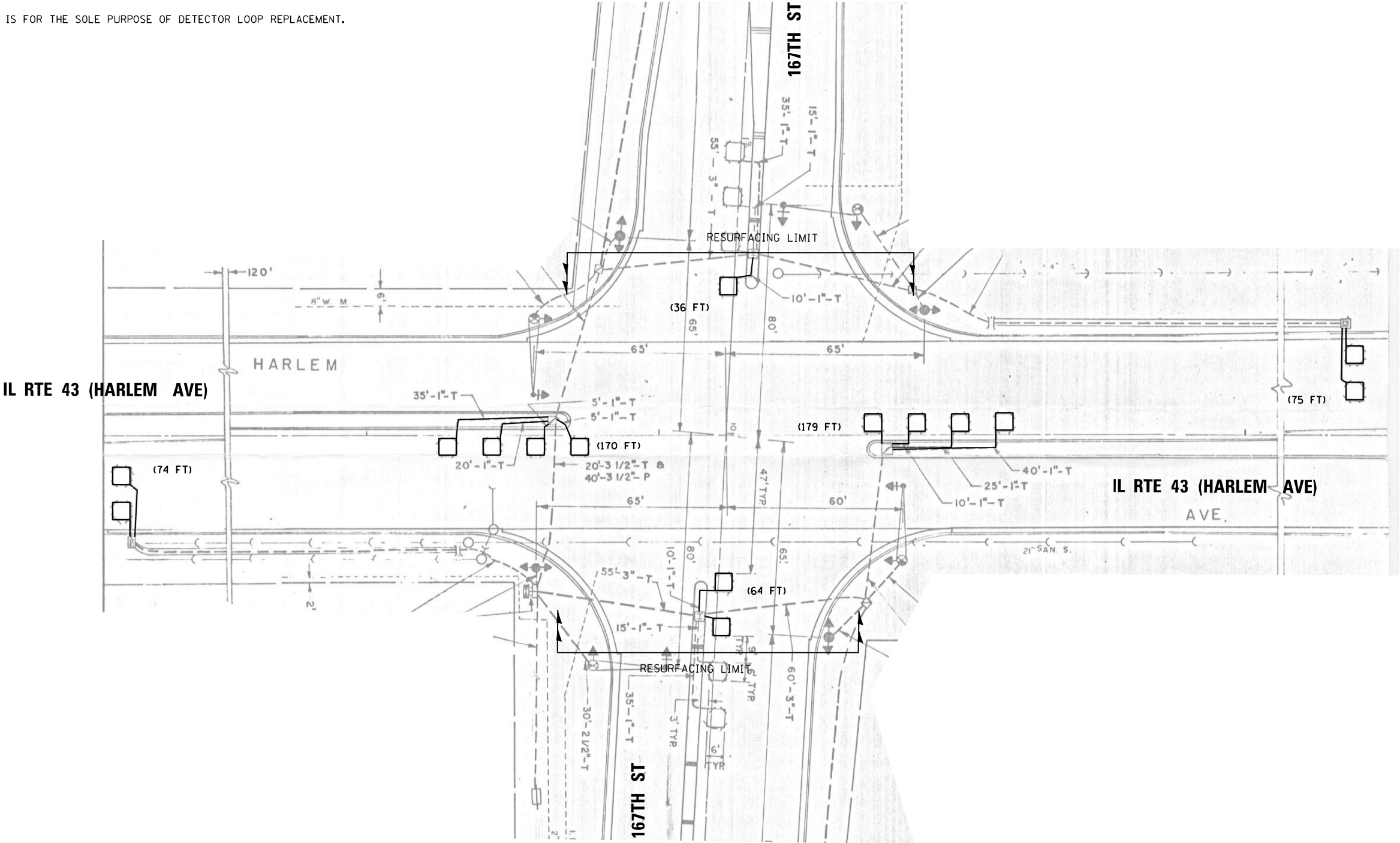
- 
- OF THE SPECIAL PROVISION,  
INSTALLATION (ROADWAY GRINDING,  
OF DETECTOR LOOP REPLACEMENT.
- IL RTE 43 (HARLEM AVE)
- HARLEM AVE.
- 171ST ST
- 171ST ST
- RESURFACING LIMIT
- RESURFACING LIMIT
- EXIST. BARRIER MEDIAN
- IL RTE 43 (HARLEM AVE)
- REPLACE  
(WIT

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	784	FOOT

FILE NAME =	USER NAME = Bilgramise	DESIGNED - PLP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN IL 43 (HARLEM AVENUE) – US 6 (159TH STREET) TO US 30 (LINCOLN HIGHWAY)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw\N\084EBID\INTEG\Illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\DI005\BRAND\State Design\DI00518-sht-details.dgn		CHECKED -	REVISED -			34E	3127(1,2,3&1.1RS-3	COOK,WILL	72	56	
	PLOT SCALE = 100.0000 ' / in.	DATE -	REVISED -			CONTRACT NO. 62F49					
Default	PLOT DATE = 12/5/2018	DATE -	REVISED -			SCALE:	SHEET 8 OF 12 SHEETS	STA. TO STA.	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)

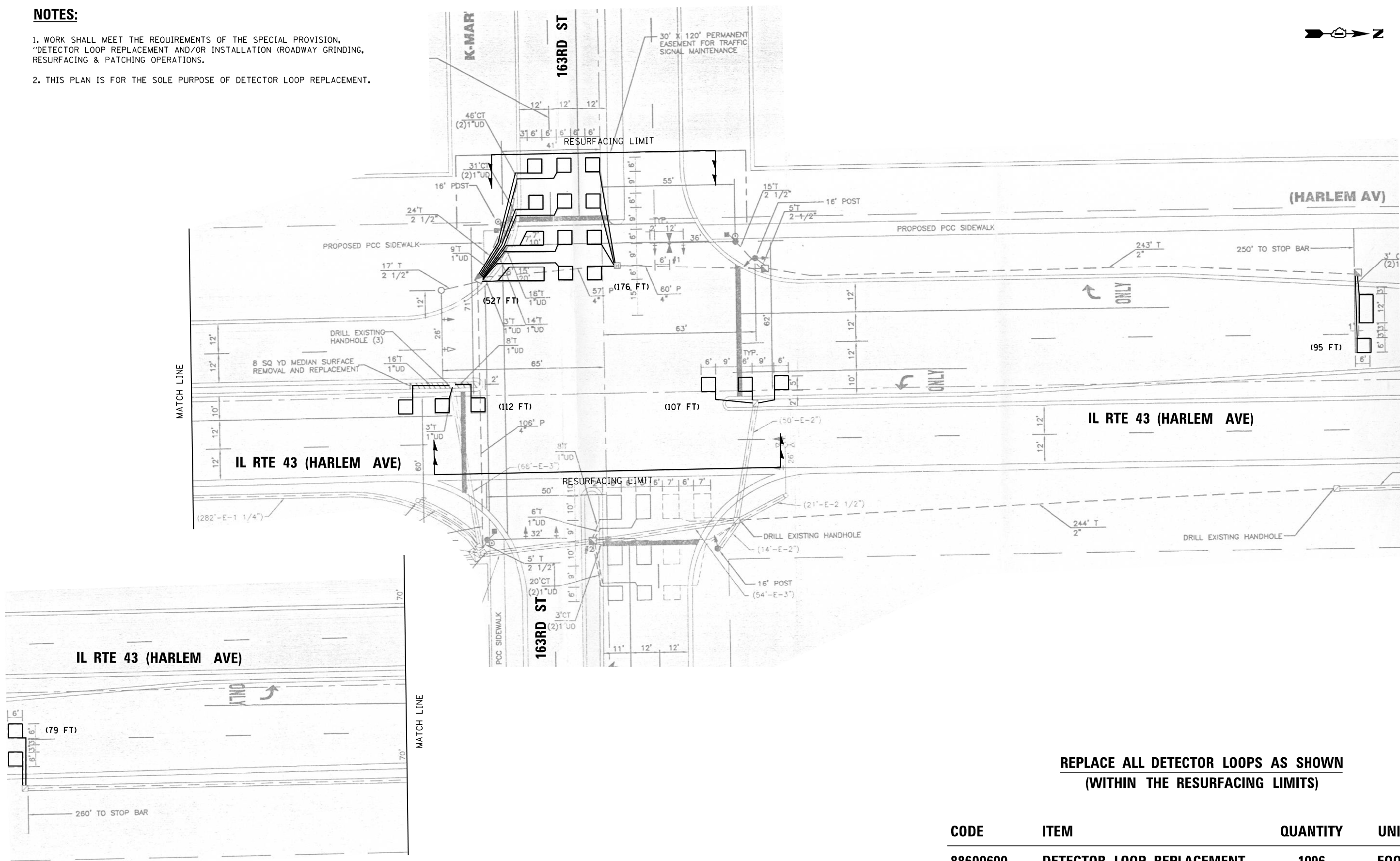
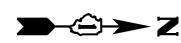
CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	598	FOOT

FILE NAME =  p:\11\084EBID\INTEG\Illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\DI005\BID\00518-sht-details.dgn  Default	USER NAME = Bilgramiso	DESIGNED - PLP	REVISED -	<div>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</div> <div>DETECTOR LOOP REPLACEMENT PLAN IL 43 (HARLEM AVENUE) – US 6 (159TH STREET) TO US 30 (LINCOLN HIGHWAY)</div>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		348	3127(1,2,3&3.1)RS-3	COOK, WILL	72	57
	PLOT DATE = 12/5/2018	DATE -	REVISED -		CONTRACT NO. 62F49				
	SCALE: SHEET 9 OF 12 SHEETS STA. TO STA.					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.

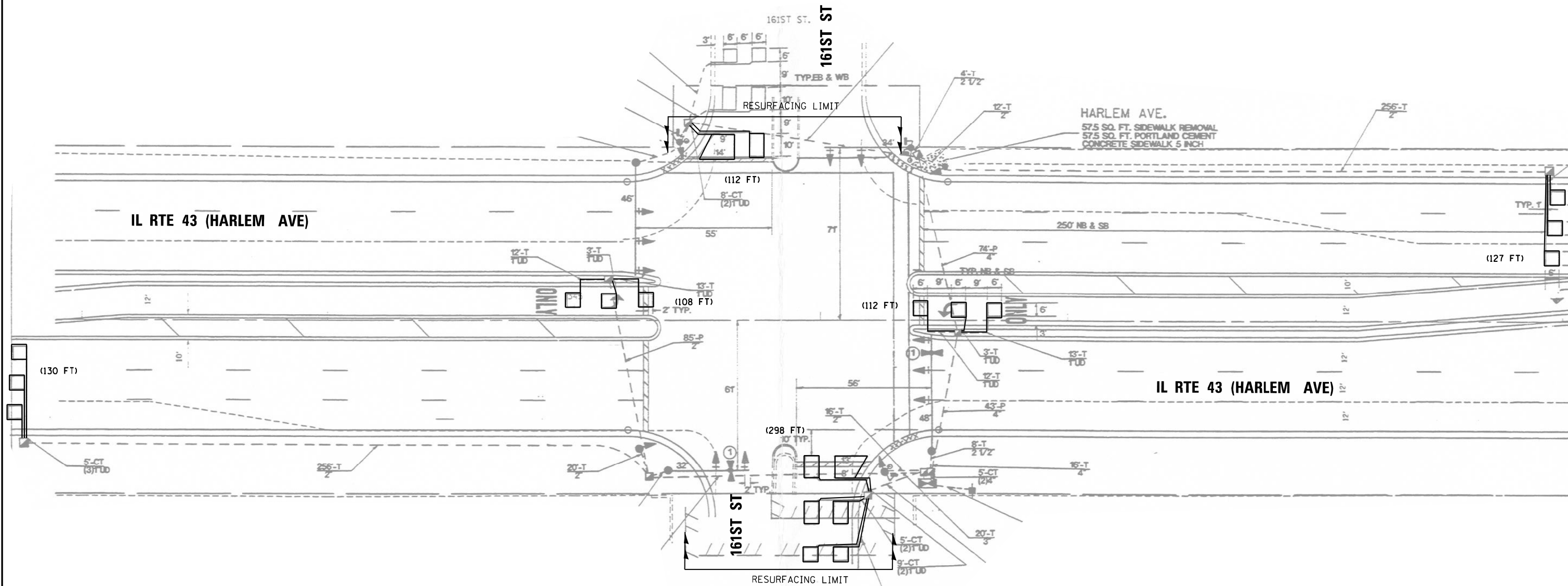
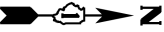


REPLACE ALL DETECTOR LOOPS AS SHOWN  
(WITHIN THE RESURFACING LIMITS)

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	1096	FOOT

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.



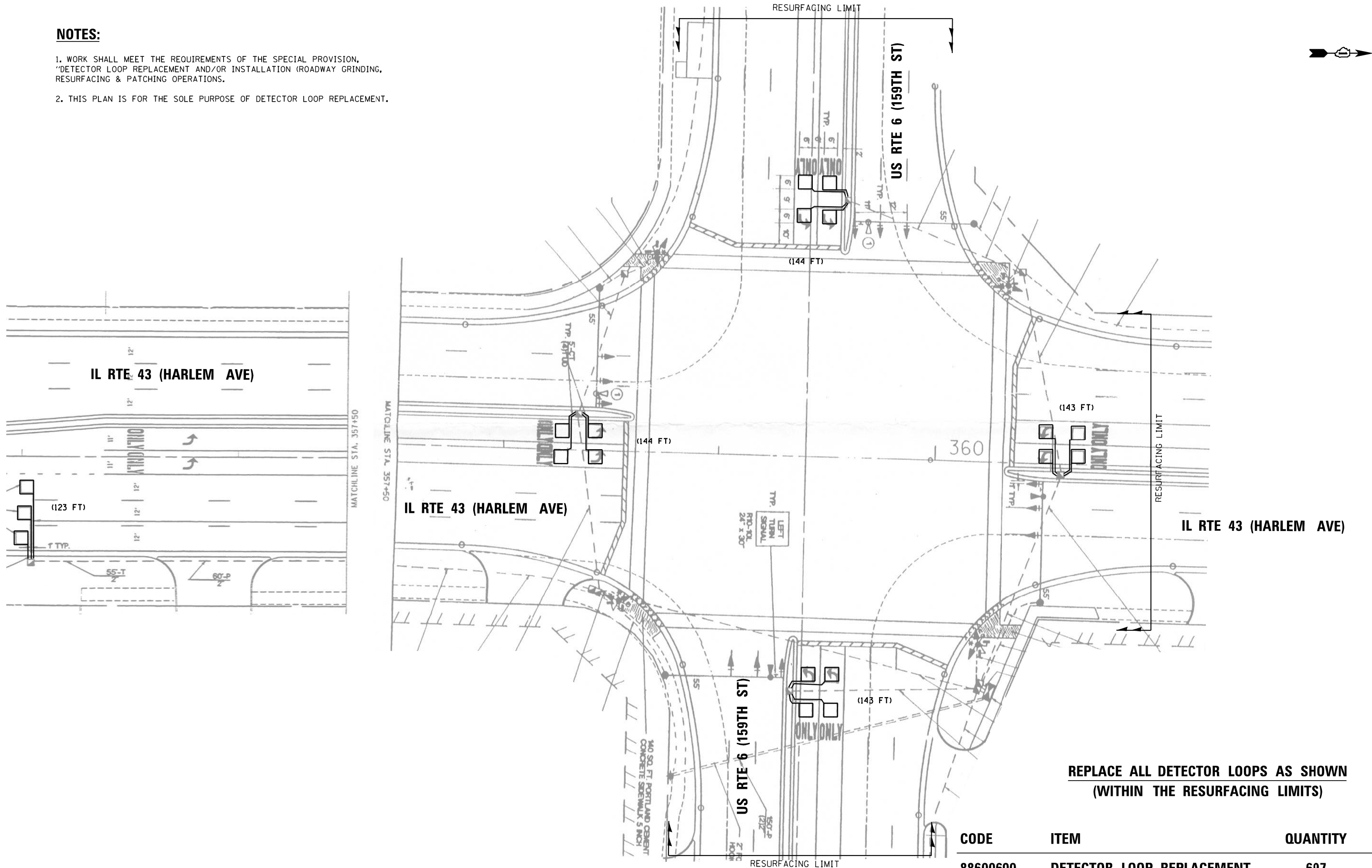
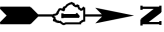
REPLACE ALL DETECTOR LOOPS AS SHOWN  
(WITHIN THE RESURFACING LIMITS)

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	887	FOOT

FILE NAME =	USER NAME = Bilgrami	DESIGNED - PLP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN					F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\IL\084EBID\INTEG\Illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\DI005\Design\00518-sht-details.dgn			REVISED -		IL 43 (HARLEM AVENUE) – US 6 (159TH STREET) TO US 30 (LINCOLN HIGHWAY)					348	3127(1,2,3&3.1)RS-3	COOK, WILL	72	59
Default	PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -							CONTRACT NO. 62F49				
	PLOT DATE = 12/5/2018	DATE -	REVISED -							ILLINOIS FED. AID PROJECT				
					SCALE:		SHEET 11 OF 12 SHEETS		STA.		TO STA.			

NOTES:

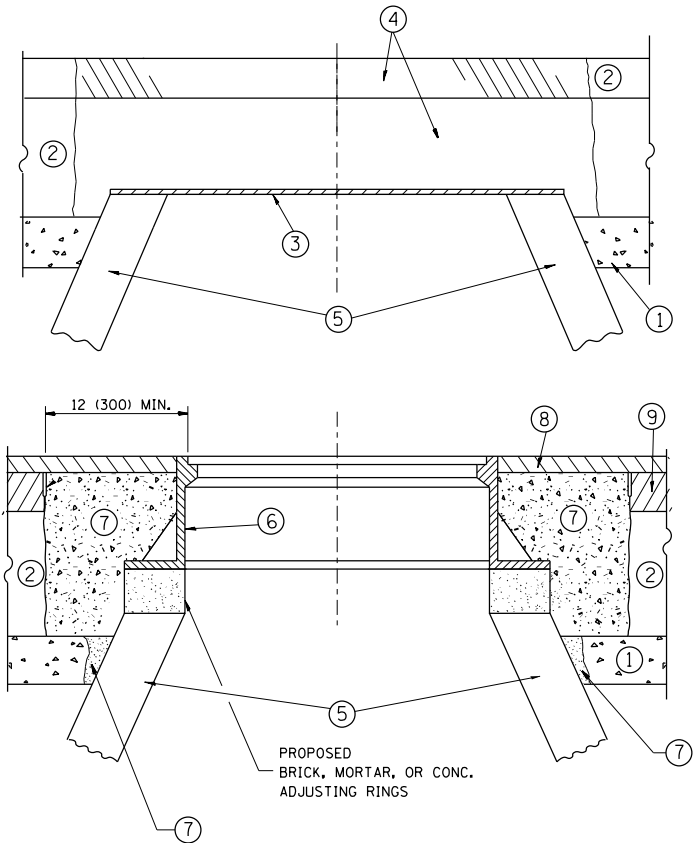
- 1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
- 2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.



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

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	697	FOOT





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.

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 1½ (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.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

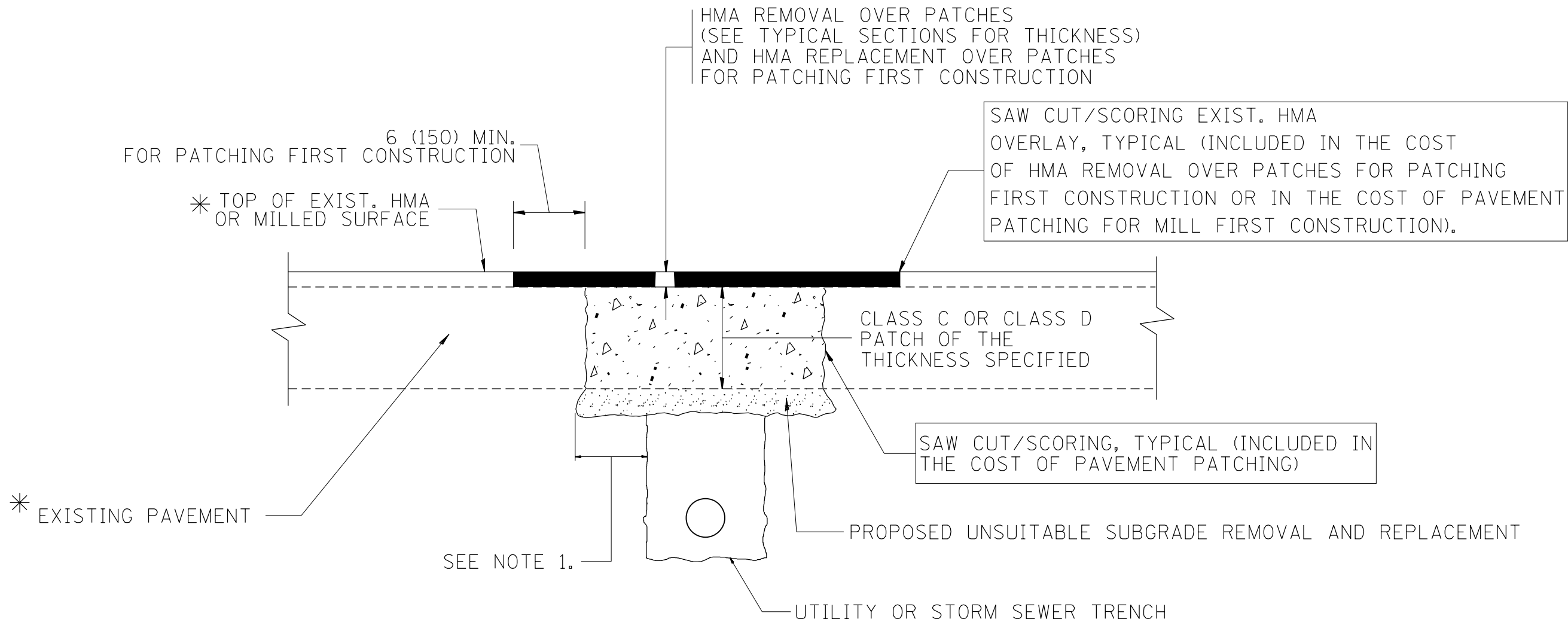
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	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - R. BORO 03-09-11
	PLOT DATE = 12/5/2018	DATE - 10-25-94	REVISED - R. BORO 12-06-11

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DETAILS FOR  
FRAMES AND LIDS ADJUSTMENT WITH MILLING

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	3127(1,2,3&3.1)RS-3	COOK,WILL	72	61
BD600-03 (BD-8)		CONTRACT NO. 62F49		
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.

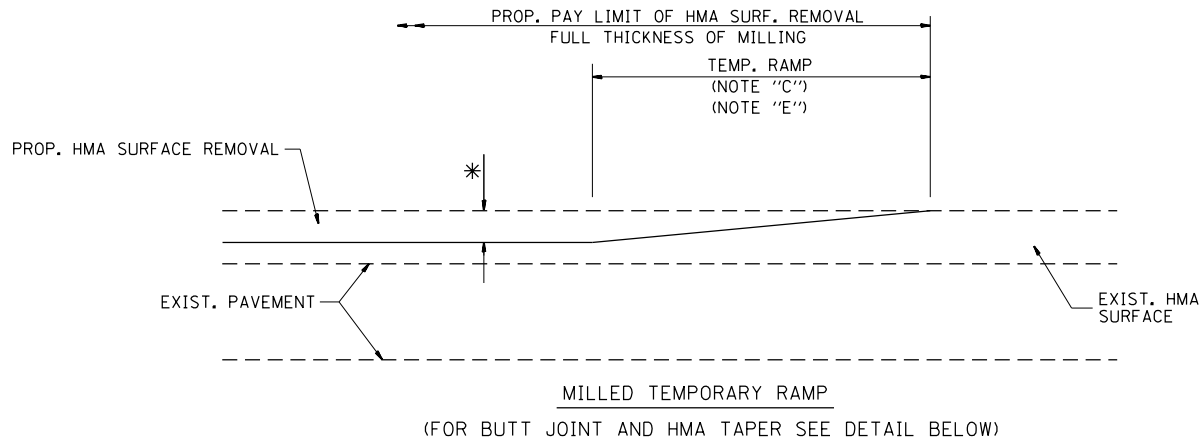
#### SEQUENCE OF CONSTRUCTION (MILLING FIRST)

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.

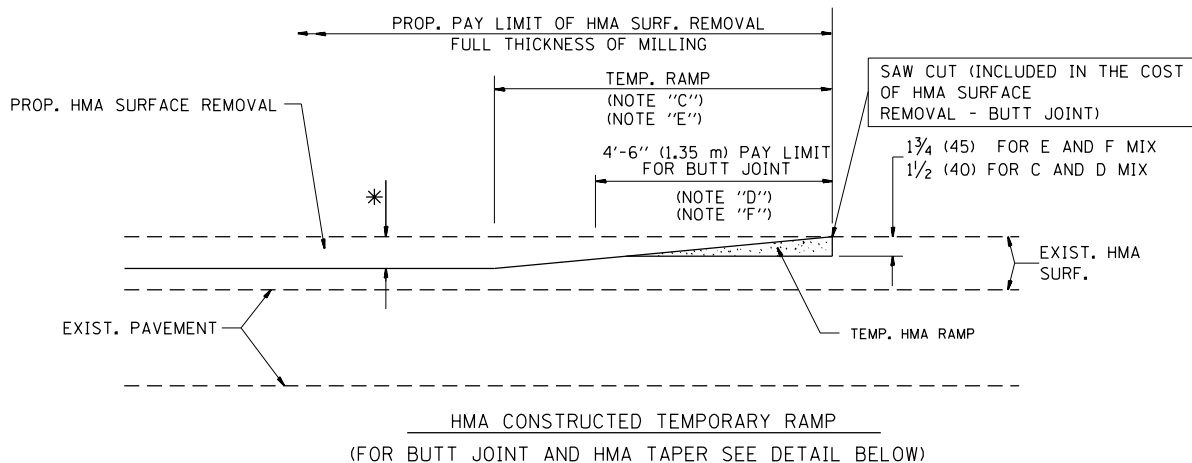
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = Bilgramiso	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.
p:\11\084EBIDINTEG\Illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\DI005\Bilgramiso\Design\DistStd.dgn			REVISED - R. BORO 01-01-07					348	3127(1,2,3&3.1)RS-3	COOK,WILL	72	62
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - R. BORO 09-04-07					BD400-04 (BD-22)		CONTRACT NO. 62F49		
	PLOT DATE = 12/5/2018	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				

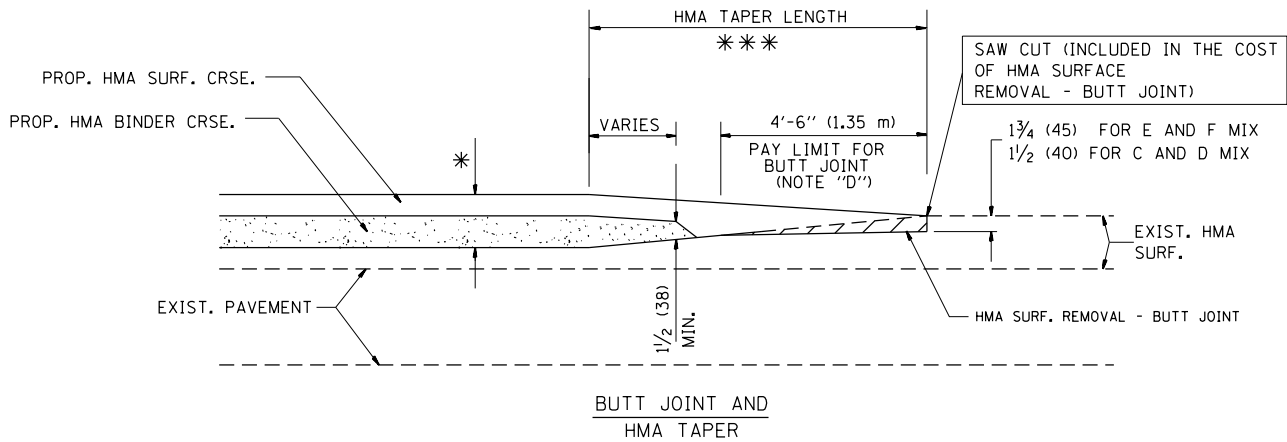




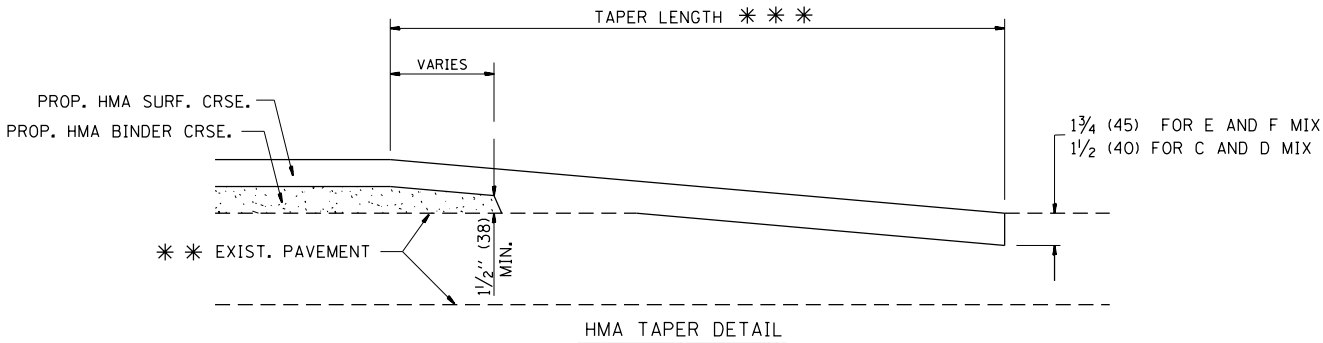
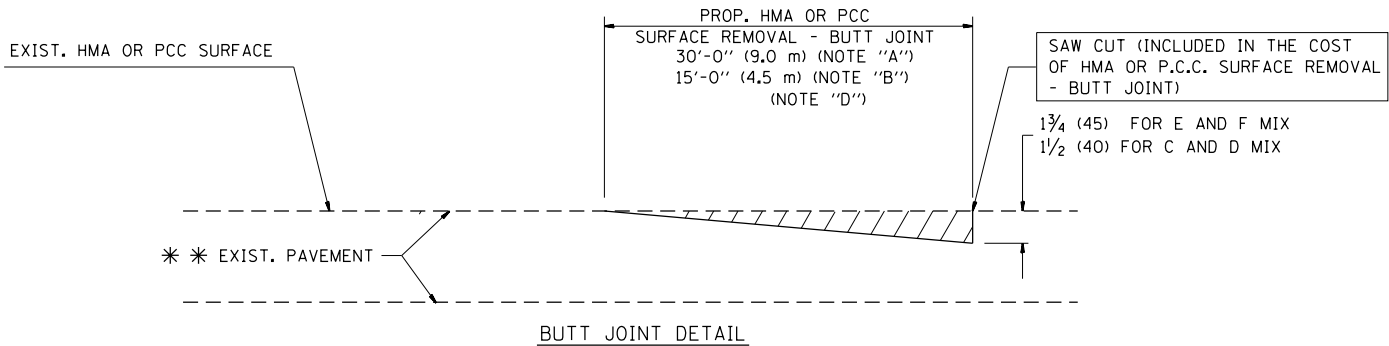
OPTION 1



OPTION 2  
TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER  
FOR MILLING AND RESURFACING



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.

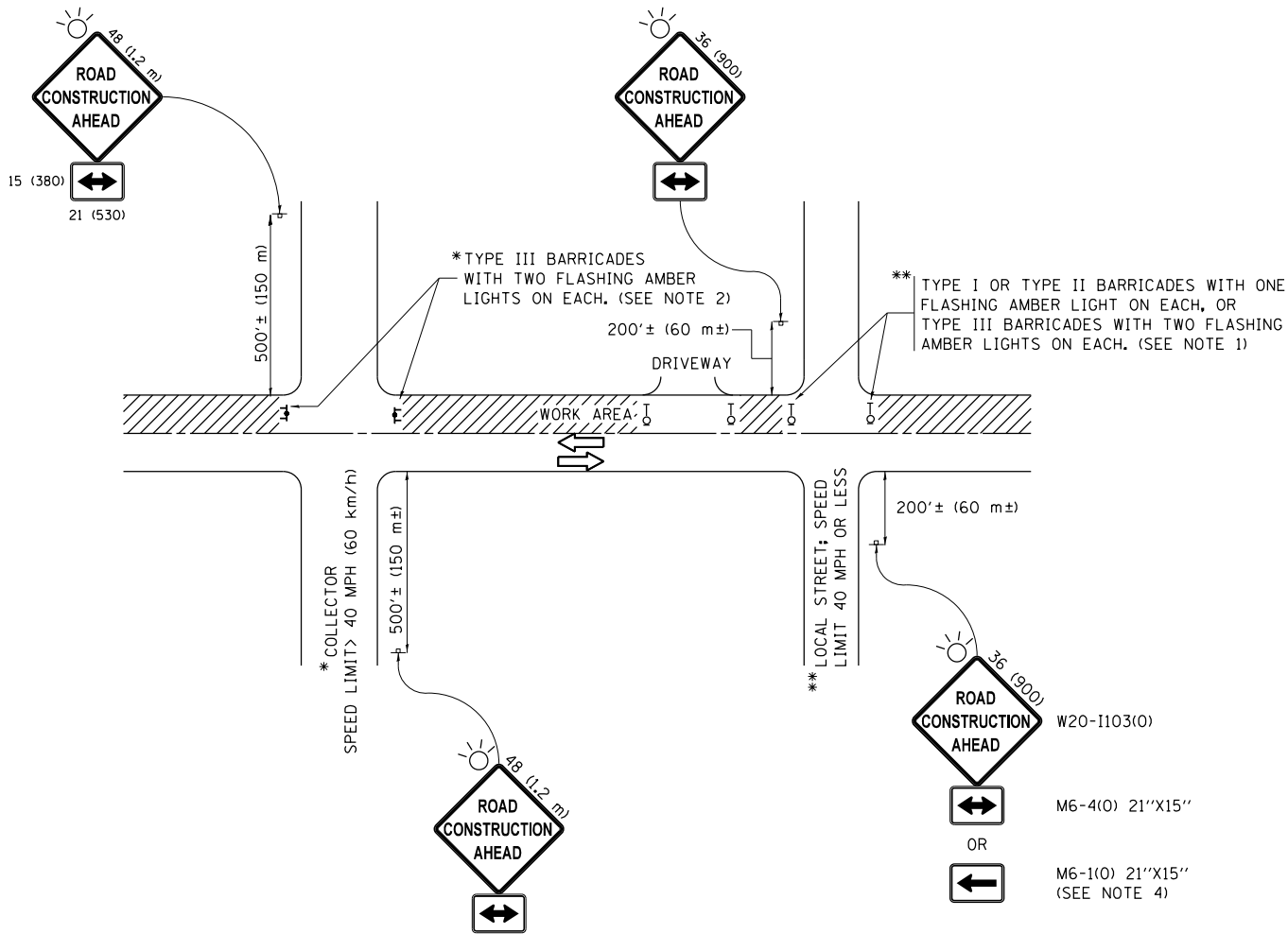
\* \* \* 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")  
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

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.

FILE NAME =	USER NAME = Bilgramiso	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BUTT JOINT AND HMA TAPER DETAILS	F.A.P. RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\1\1084EBID\INTEG\Illinois.gov\PI\DOT\Documents\IDOT Offices\District 1\Projects\DI025\BROWN\Design\DistStd.dgn			REVISED - A. ABBAS 03-21-97			348	3127(1,2,3&3.1)RS-3	COOK,WILL	72	64	
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - M. GOMEZ 04-06-01			BD400-05 BD32		CONTRACT NO. 62F49			
	PLOT DATE = 12/5/2018	DATE - 06-13-90	REVISED - R. BORO 01-01-07			SCALE: NONE		SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	
						FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT					



**NOTES:**

- 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:
  - 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.
  - 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.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - 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.
  - 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.
- 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.
- 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).
- 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.
- ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- 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.

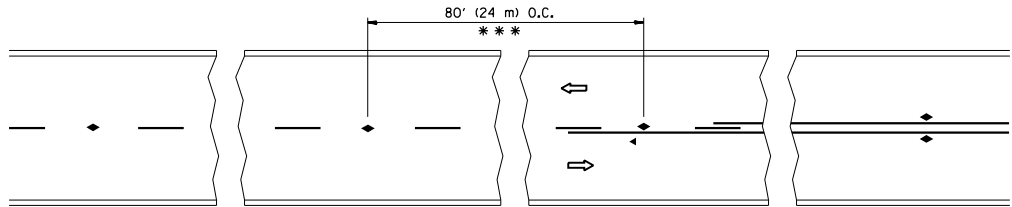
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p:\1\1084EBIDINTEG\Illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI025\Drawings\Design\DistStd.dgn			REVISED -T. RAMMACHER 01-06-00
Default	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
	PLOT DATE = 12/5/2018	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

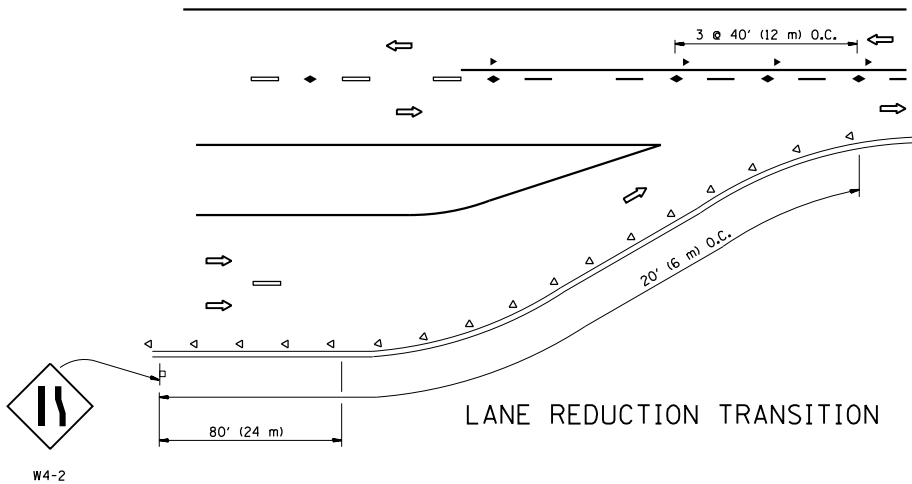
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	3127(1,2,3&3.1)RS-3	COOK,WILL	72	65
TC-10		CONTRACT NO. 62F49		
ILLINOIS		FED. AID PROJECT		

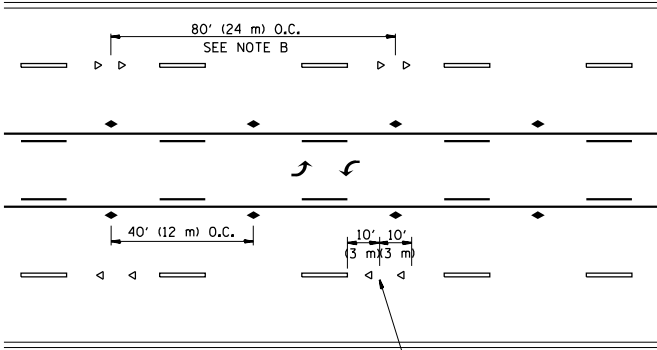


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

TWO-LANE/TWO-WAY

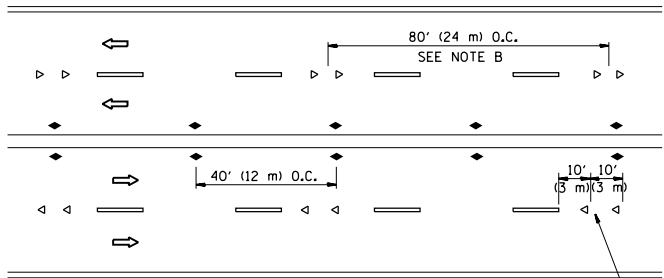


LANE REDUCTION TRANSITION



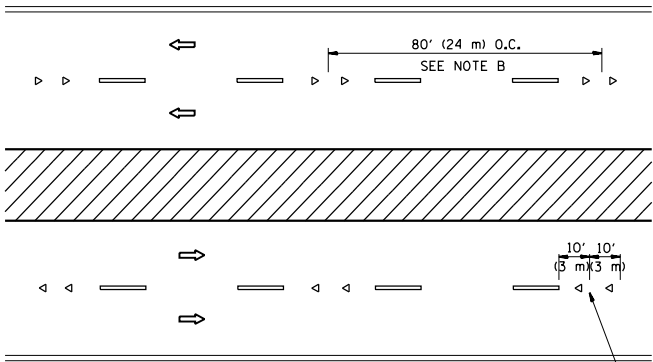
SEE NOTE A

TWO-WAY LEFT TURN



SEE NOTE A

MULTI-LANE/UNDIVIDED



SEE NOTE A

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.

LANE MARKER NOTES

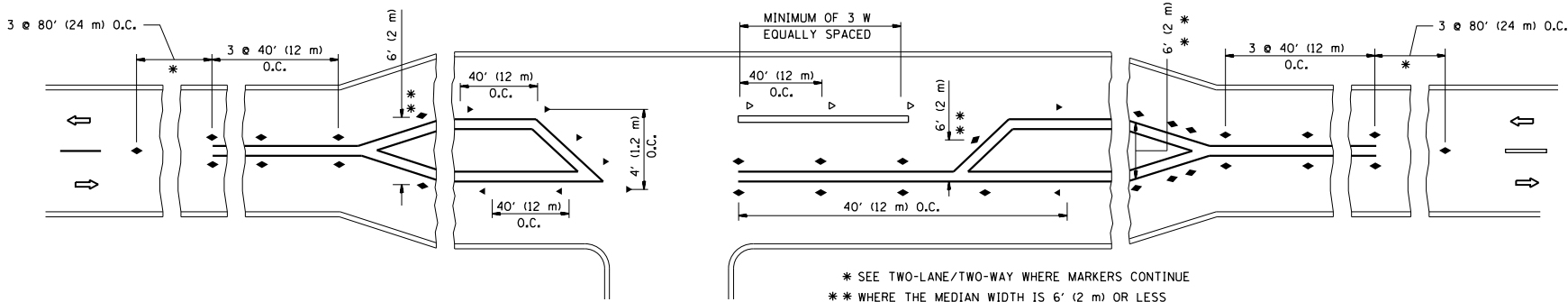
- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

SYMBOLS

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

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.

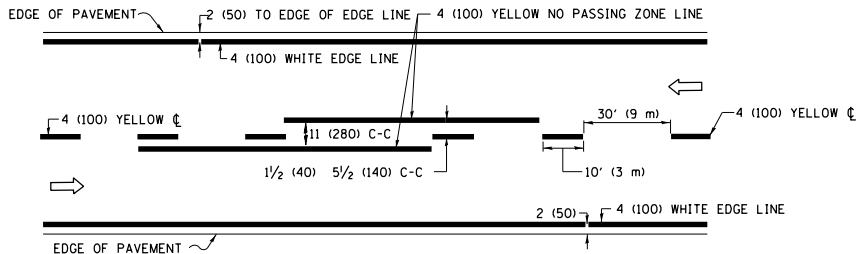


\* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE  
\*\* WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS  
USE TWO-WAY MARKERS.

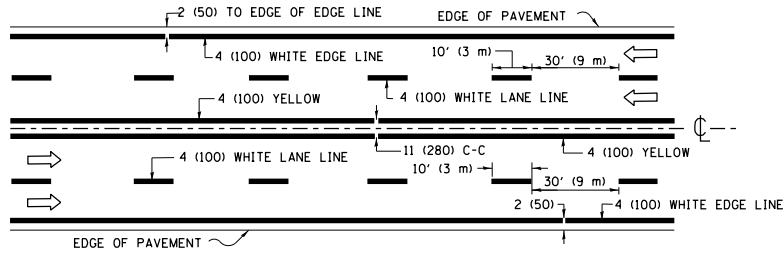
LEFT TURN

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

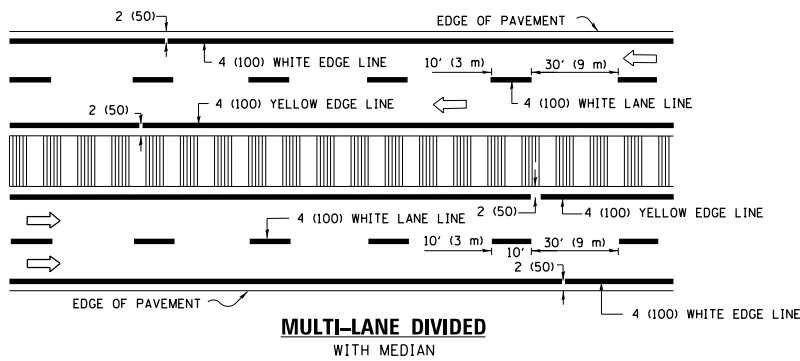
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			REVISED - T. RAMMACHER 03-12-99					348	3127(1,2,3&3.1)RS-3	COOK,WILL	72	66
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - T. RAMMACHER 01-06-00		TC-11			CONTRACT NO. 62F49				
	PLOT DATE = 12/5/2018	DATE -	REVISED - C. JUCIUS 09-09-09		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			



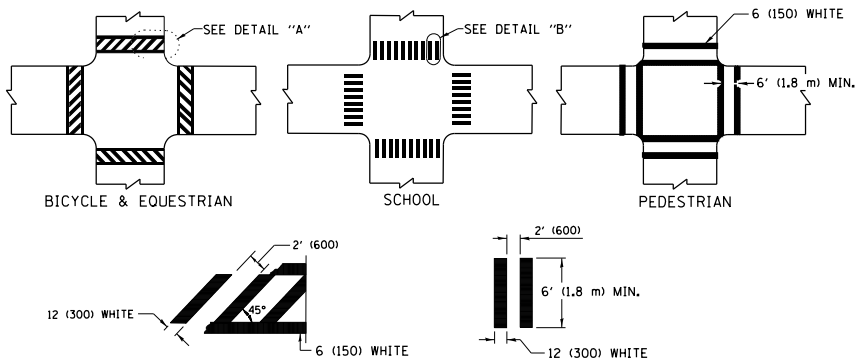
**2-LANE ROADWAY**



**MULTI-LANE UNDIVIDED**



**TYPICAL LANE AND EDGE LINE MARKING**

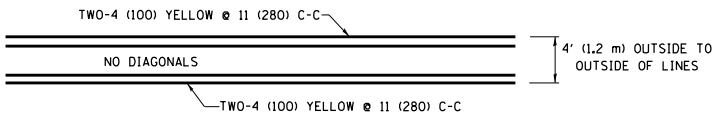


**DETAIL "A"**

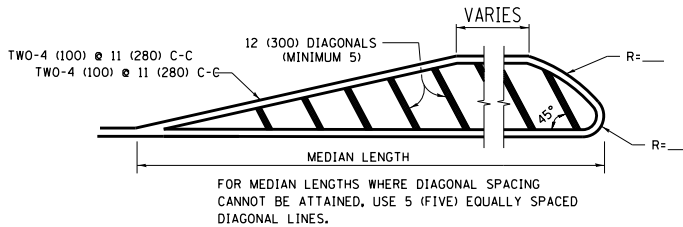
**DETAIL "B"**

**TYPICAL CROSSWALK MARKING**

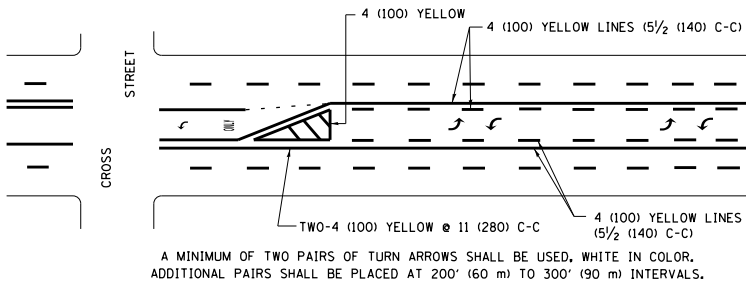
\* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



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

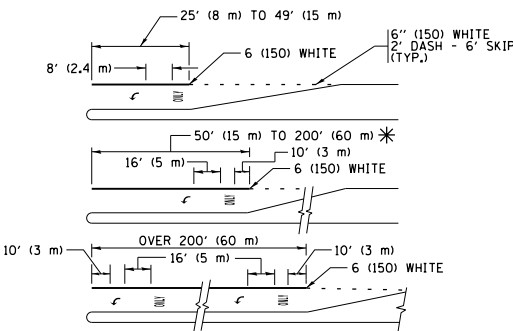


**MEDIANS OVER 4' (1.2 m) WIDE**



**MEDIAN WITH TWO-WAY LEFT TURN LANE**

**TYPICAL PAINTED MEDIAN MARKING**

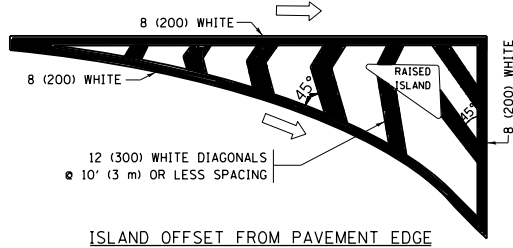


FULL SIZE LETTERS 8" (2.4 m) AND ARROWS SHALL BE USED.  
AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)

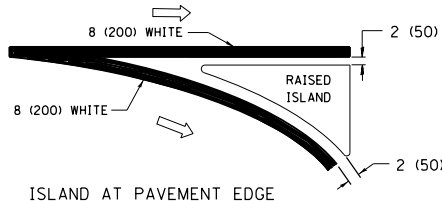
\* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

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

**TYPICAL TURN LANE MARKING**

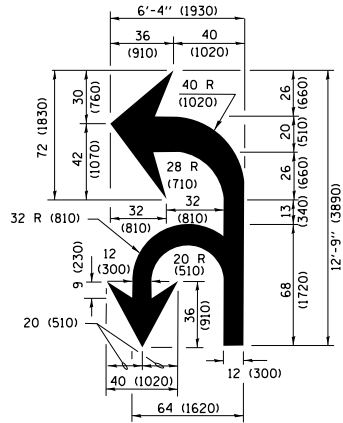


**ISLAND OFFSET FROM PAVEMENT EDGE**

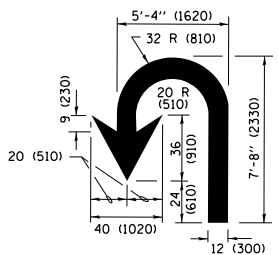


**ISLAND AT PAVEMENT EDGE**

**TYPICAL ISLAND MARKING**



**COMBINATION LEFT AND U-TURN**



**U-TURN**

**LANE REDUCTION TRANSITION**

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

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 SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT, OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES: "RR" IS 6' (1.8 m) LETTERS: 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8' )	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

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

FILE NAME =	USER NAME = Bilgramiso	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
p:\1\1084EBID\TEG\Illinois.gov\PIWIDOT\Documents\100T Offices\District 1\Projects\DI005\Bilgramiso\Design\DistStd.dgn			REVISED - C. JUCIUS 07-01-13
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - C. JUCIUS 12-21-15
	PLOT DATE = 12/5/2018	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.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	3127(1,2,3&3.1)RS-3	COOK,WILL	72	67
	<b>TC-13</b>	<b>CONTRACT NO.</b>	<b>62F49</b>	
	ILLINOIS FED. AID PROJECT			

TURN BAY ENTRANCE AT START  
OF LANE CLOSURE TAPER

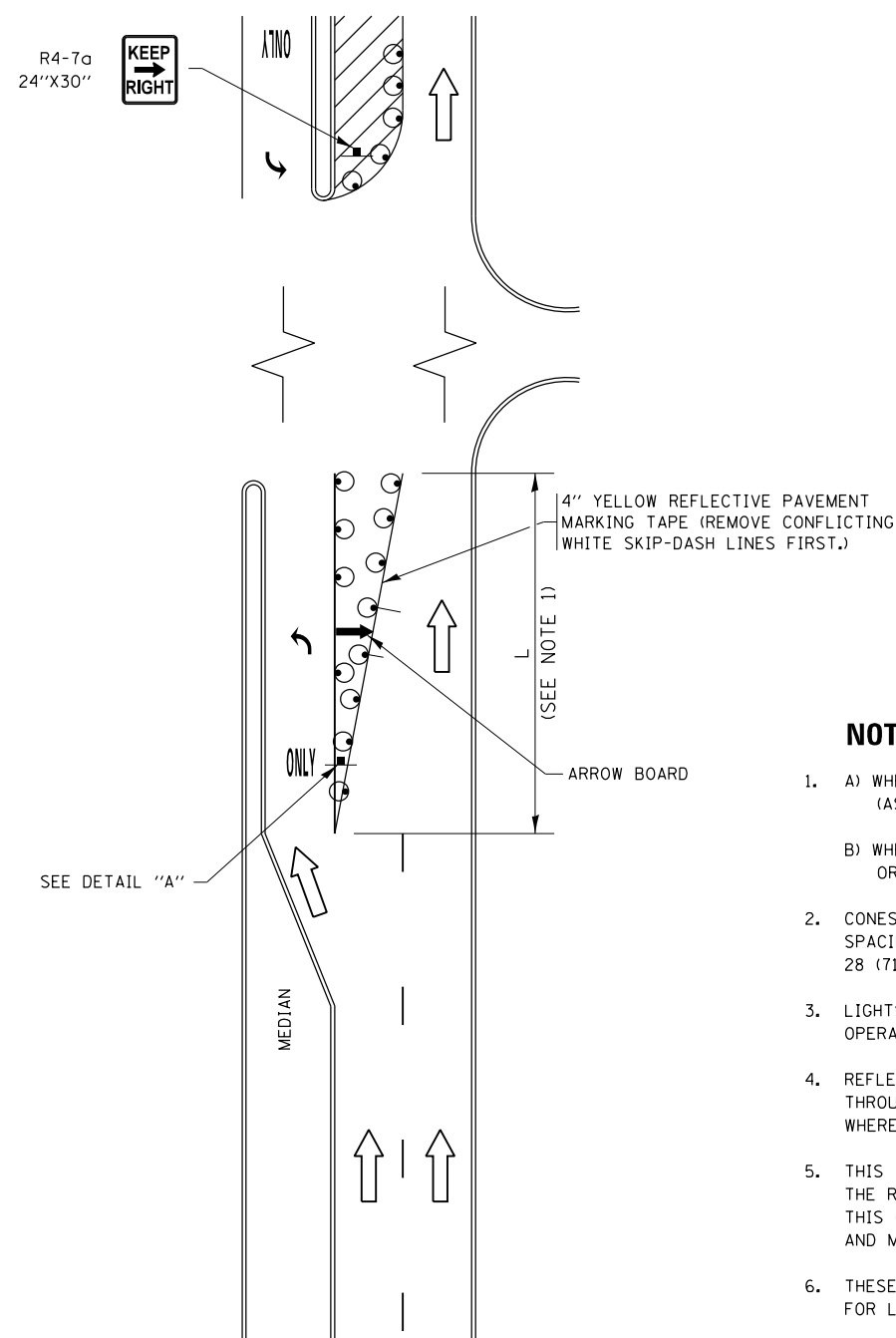
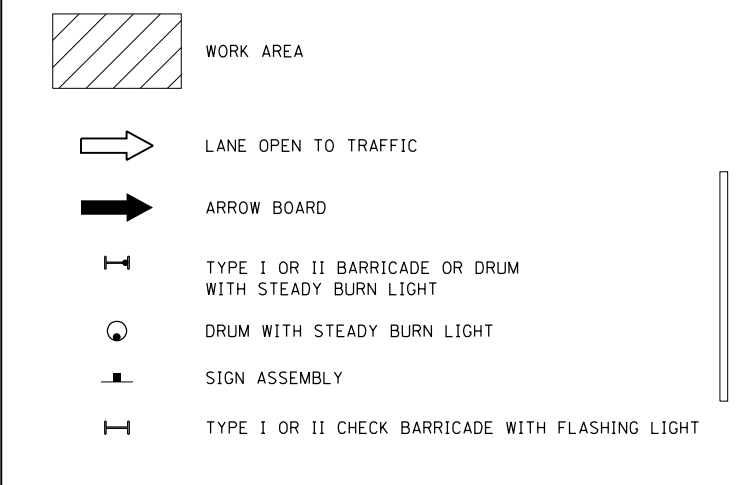


FIGURE 1

LEGEND



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.

TURN BAY ENTRANCE  
WITHIN A LANE CLOSURE

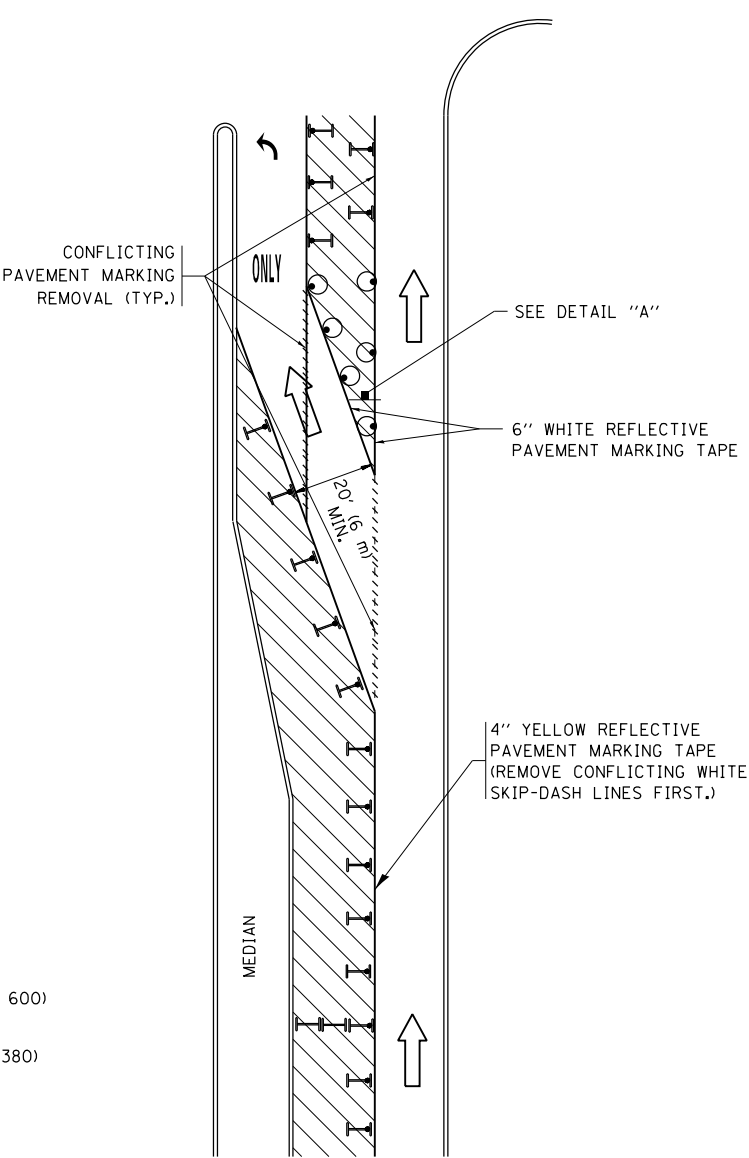
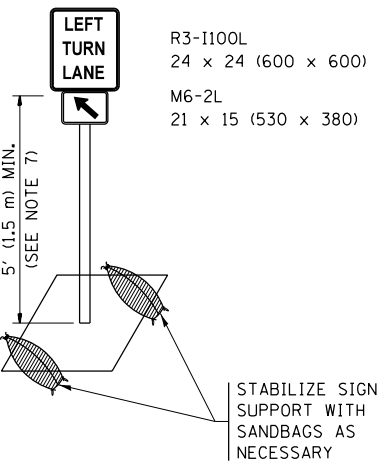


FIGURE 2

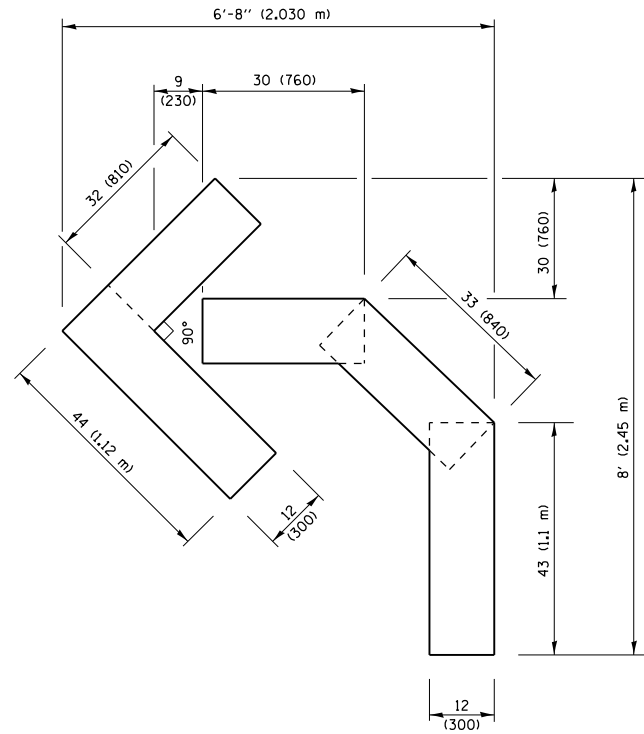


DETAIL A

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

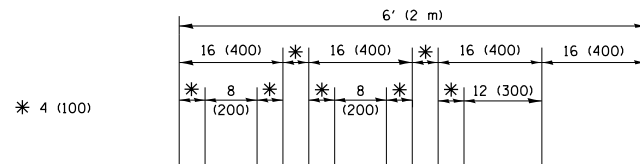
FILE NAME =	USER NAME = Bilgrami	REVISED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\11084EBID\INTEG\Illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\11084EBID\Design\HOUSEHOLD	REVISOR = A. HOUSEHOLD 11-07-95	REVISED - A. SCHUETZE 07-01-13	REVISED - A. SCHUETZE 07-01-13			348	3127(1,2,3&3.1)RS-3	COOK, WILL	72	68
PLOT SCALE = 100.0000' / in.	REVISED - A. HOUSEHOLD 10-12-96	REVISED - A. SCHUETZE 09-15-16	REVISED - A. SCHUETZE 09-15-16			TC-14		CONTRACT NO. 62F49		
Default	PLOT DATE = 12/5/2018	REVISED - T. RAMMACHER 01-06-00	REVISED -			ILLINOIS FED. AID PROJECT				



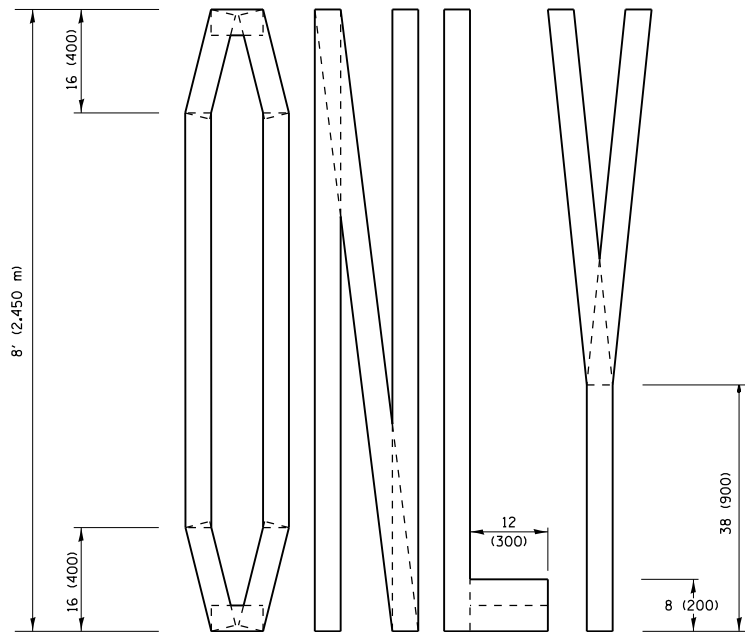


**QUANTITY**

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

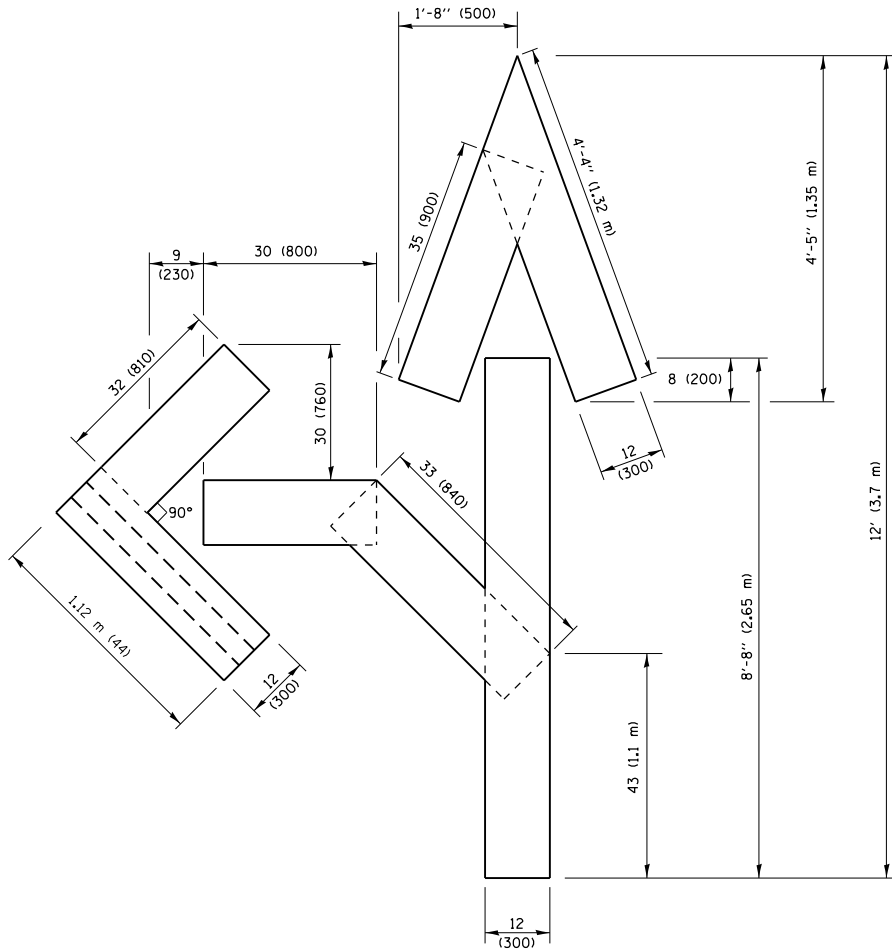


\* 4 (100)



**QUANTITY**

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

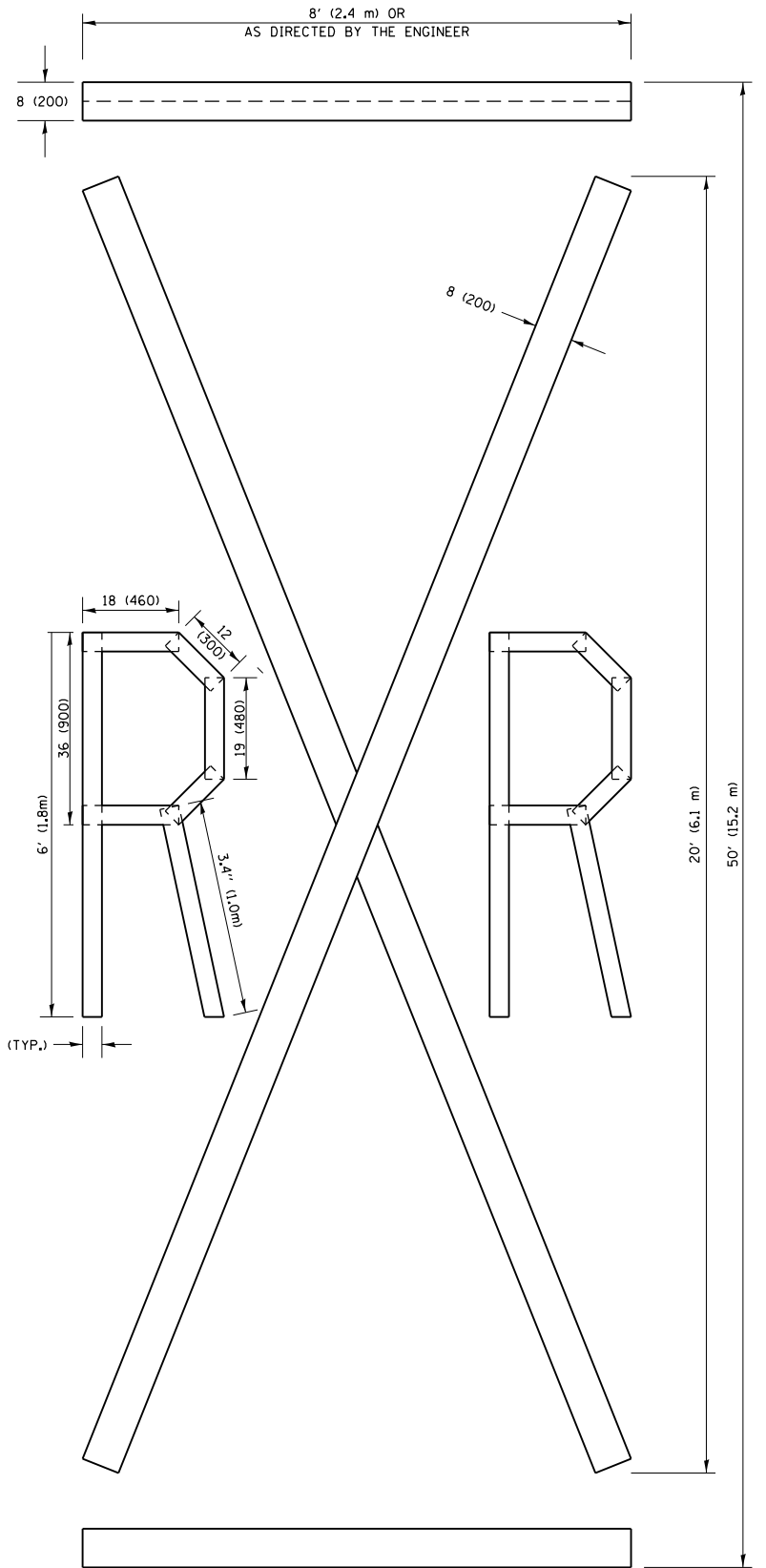


**QUANTITY**

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.

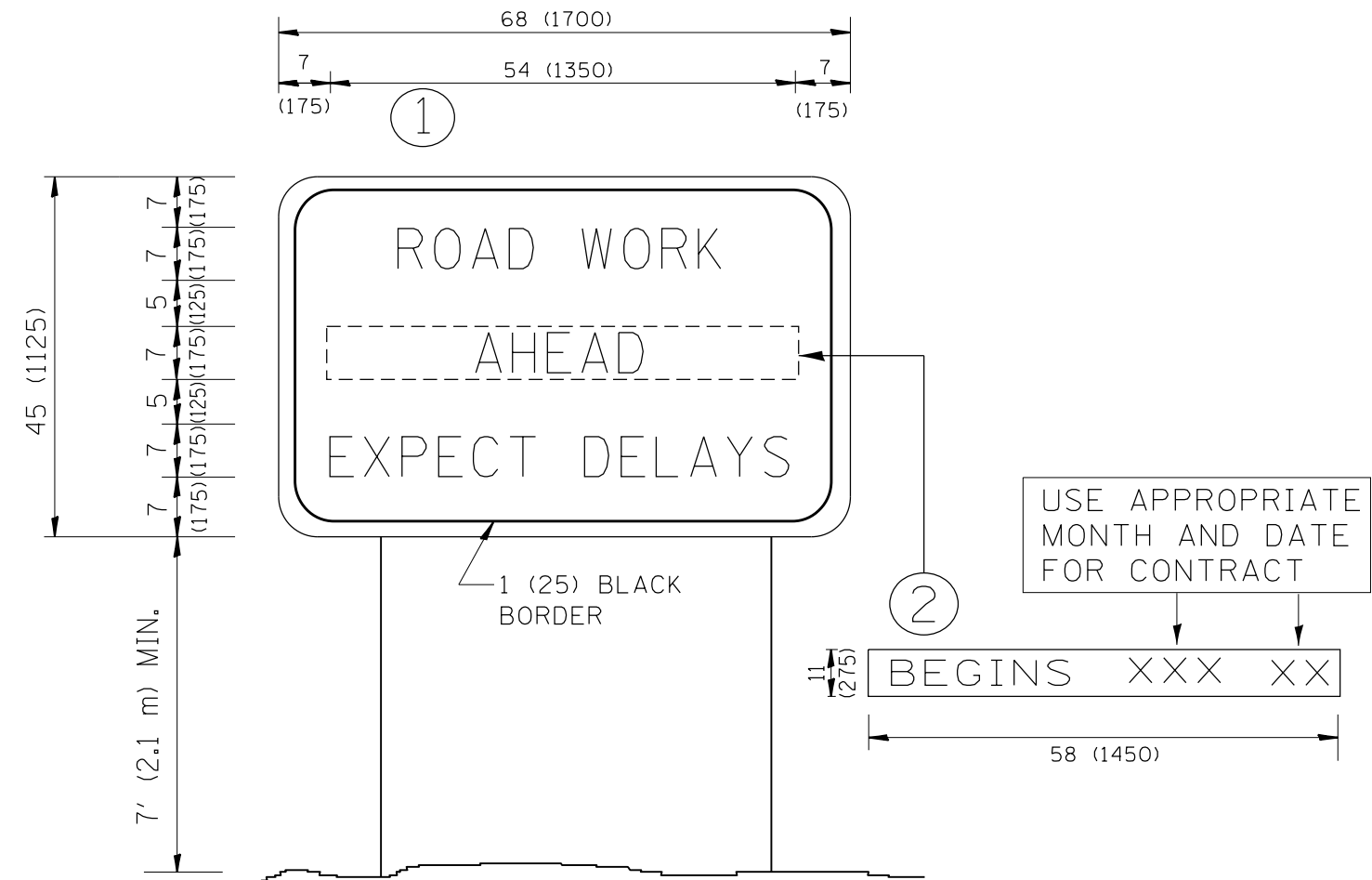


**QUANTITY**

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 = p:\1\1084EBID\INTEG\Illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\DOT Data\Design\DistStd.dgn	USER NAME = Bilgromisa	DESIGNED -	REVISED - T. RAMMACHER 03-02-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0010 ' / in.	CHECKED -	REVISED - E. GOMEZ 08-28-00						348	3127(1,2,3&3.1)RS-3	COOK,WILL	72	69
	PLOT DATE = 12/5/2018	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.				TC-16 CONTRACT NO. 62F49				
									FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

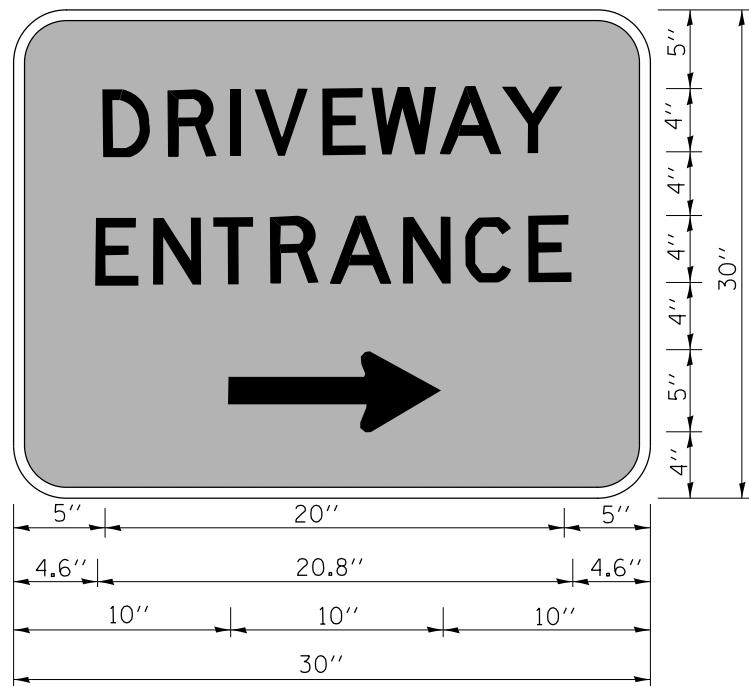


### NOTES:

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 = Bilgramiso	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\IDOT Offices\District 1\Projects\DI005\Drawings\Design\DistStd.dgn			REVISED - R. MIRS 12-11-97					348	3127(1,2,3&3.1)RS-3	COOK,WILL	72	70
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99					TC-22		CONTRACT NO. 62F49		
	PLOT DATE = 12/5/2018	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		



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

**NOTES:**

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

FILE NAME =	USER NAME = Bilgramiso	DESIGNED -	REVISED - C. JUCIUS 02-15-07
p:\1\1L084EBIDINTEG\illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\DI005\Drawings\Design\DistStd.dgn		CHECKED -	REVISED -
	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -
	PLOT DATE = 1/22/2019		

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

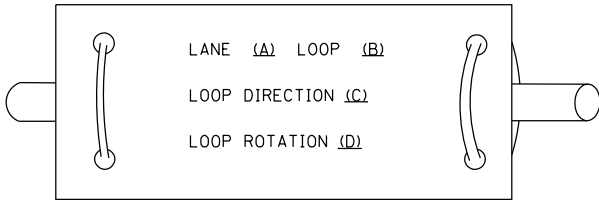
DRIVEWAY ENTRANCE SIGNING			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	3127(1,2,3&3.1)RS-3	COOK,WILL	72	70A
TC-26		CONTRACT NO. 62F49		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

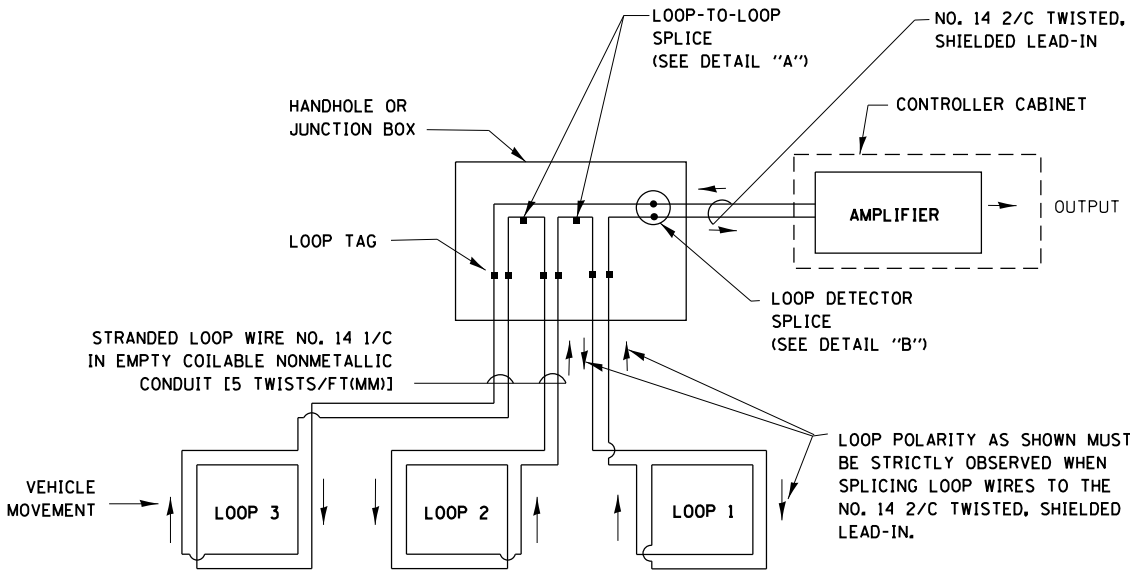
LOOP DETECTOR NOTES

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

LOOP LEAD-IN CABLE TAG

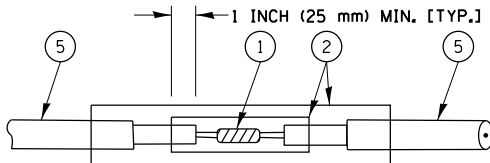


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

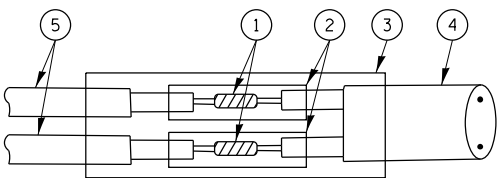


DETECTOR LOOP WIRING SCHEMATIC

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

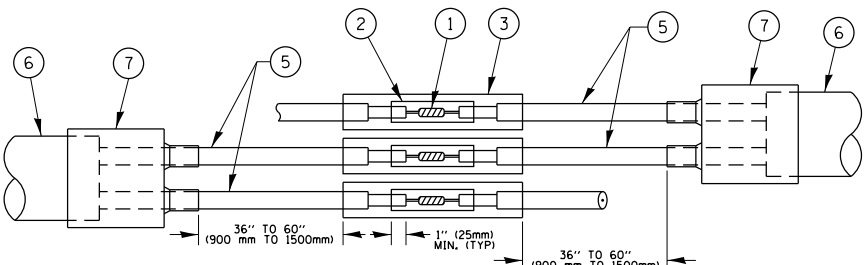


DETAIL "A"  
LOOP-TO-LOOP SPLICE

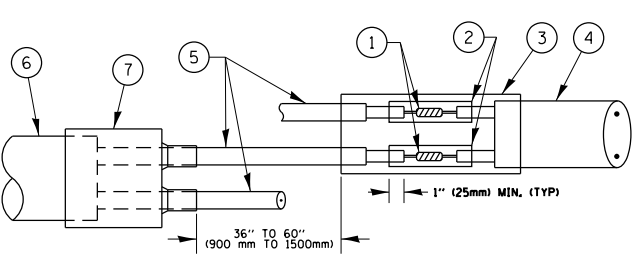


DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"  
LOOP-TO-LOOP SPLICE



DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

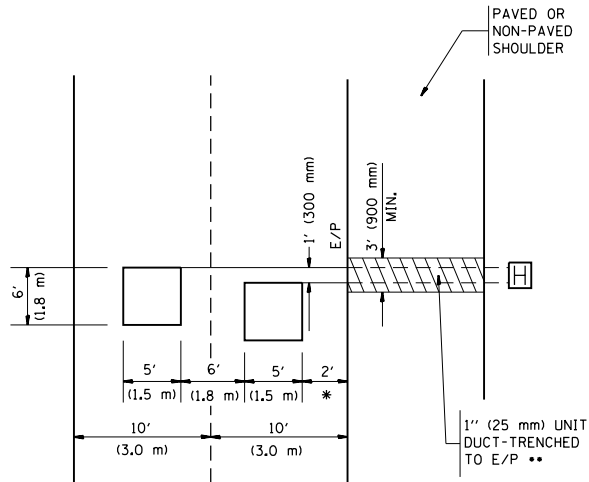
PRE-FORMED LOOP

LOOP DETECTOR SPLICE

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

LOOPS NEXT TO SHOULDERS

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



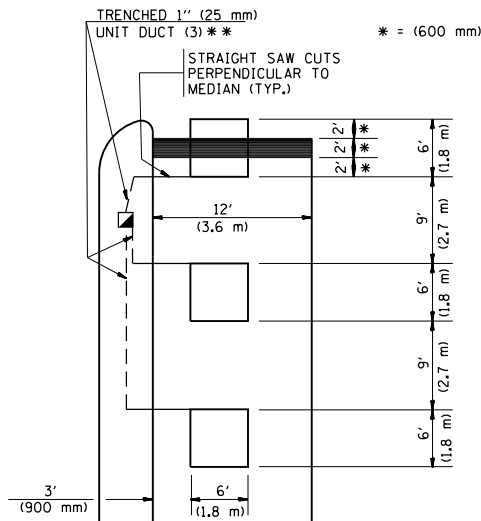
\* = (600 mm)

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

LEFT TURN LANES WITH MEDIANS  
VOLUME DENSITY ("FAR OUT" DETECTION)  
ON SAME APPROACH

(PROTECTED / PERMITTED LEFT TURN PHASING)

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

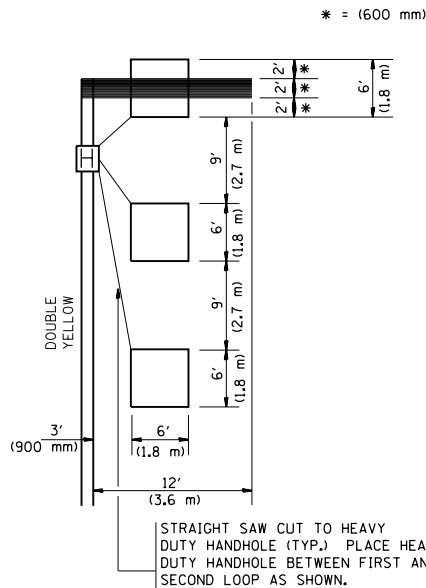


\*\* UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS  
BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

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

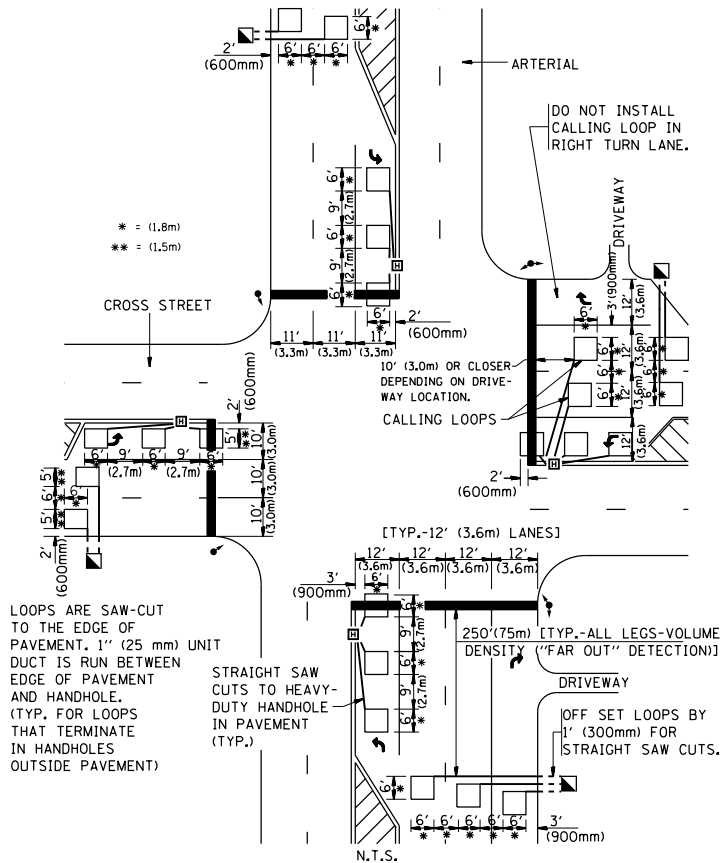
LEFT TURN LANES WITHOUT MEDIANS  
VOLUME DENSITY ("FAR OUT" DETECTION)  
ON SAME APPROACH

(PROTECTED / PERMITTED LEFT TURN PHASING)



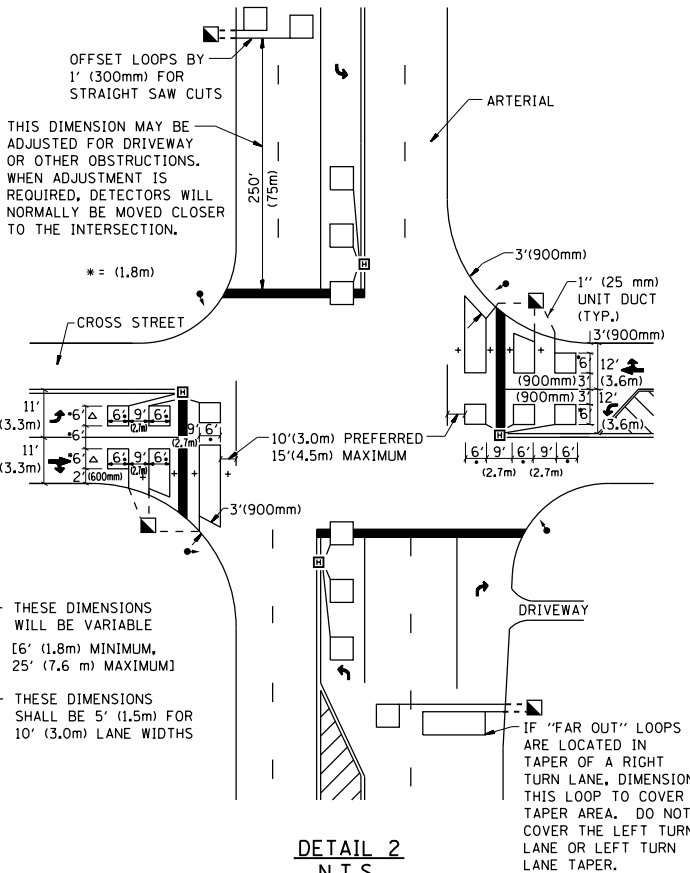
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO  
PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

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



DETAIL 1  
N.T.S.

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



DETAIL 2  
N.T.S.

NOTES:

VEHICLES LOOP DETECTORS

- \* ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- \* EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- \* EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATLY. 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 = Bilgrami	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.
p:\1\084EBID\INTEG\Illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI002\Design\Design\DistStd.dgn		REVIS	REVIS						348	3127(1,2,3&3.1)RS-3	COOK,WILL	72	72
PLOT SCALE = 100.0000' / in.		CHECKED - R.K.F.	REVIS		TS-07				CONTRACT NO. 62F49				
PLOT DATE = 12/5/2018		DATE -	REVIS		FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT								
					SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA. TO STA.				