

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-114-RS&SW	COOK	97	1
		ILLINOIS	CONTRACT NO. 62L92	

D-91-513-20



LOCATION OF SECTION INDICATED THUS: - [black rectangle] -

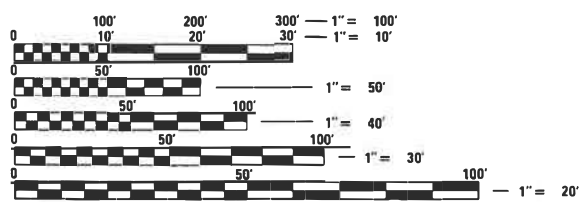
FOR INDEX OF SHEETS SEE SHEET NO. 2

TRAFFIC DATA:
2019 ADT: 42,800
POSTED SPEED LIMIT: 35 MPH & 40 MPH

THE PROJECT IS LOCATED IN
THE CITY OF CHICAGO AND
THE VILLAGES OF BEDFORD PARK, BRIDGEVIEW,
CHICAGO RIDGE, PALOS HILLS, SUMMIT, WORTH, BURBANK

[Signature]
BEHZAD AMINI, P.E.
IL. LIC. NO. 062-067557
EXP: 11/30/2021
DATE: 3/12/2021
THIS SEAL AND SIGNATURE
PERTAINS TO
SHEETS ... THROUGH ...

AEG ATLAS ENGINEERING GROUP, LTD.
CONTACT: BEHZAD AMINI (847) 753-8020



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 EXCAVATORS
1-800-892-0123
OR 811

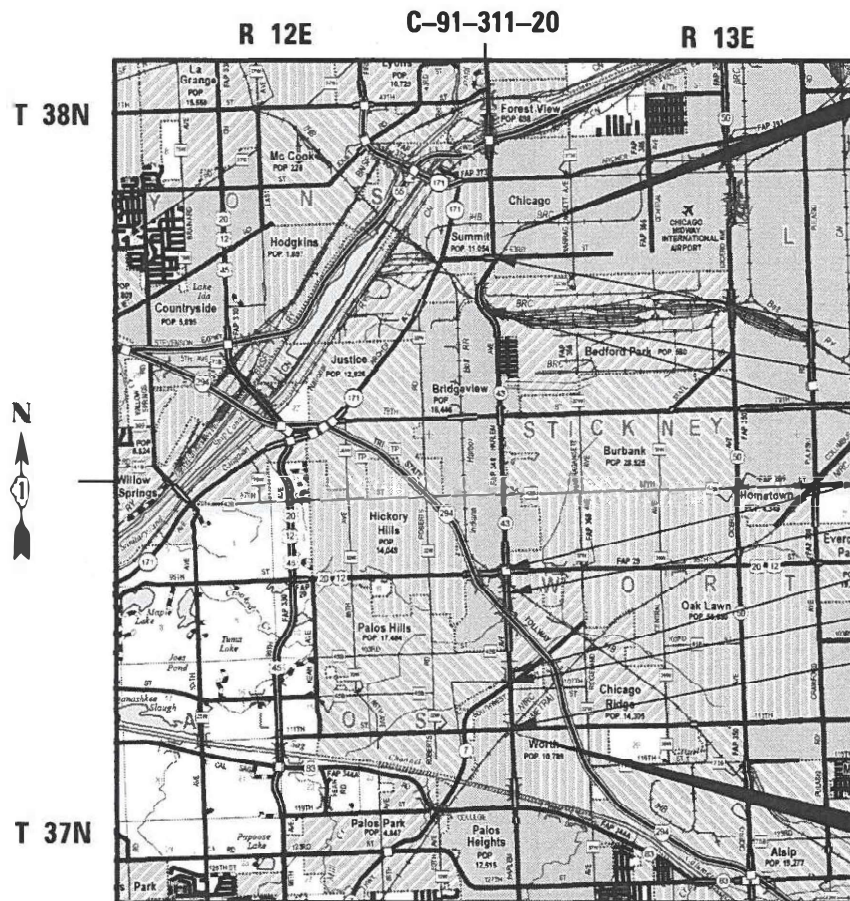
C.U.A.N.
CHICAGO UTILITY ALERT NETWORK
1-312-744-7000

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

CONTRACT NO. 62L92

PROPOSED HIGHWAY PLANS

F.A.P ROUTE 348 (IL 43 /HARLEM AVENUE)
(111TH ST. TO 62ND ST.)
SECTION 2020-114-RS&SW
PROJECT NHPP-L51H(064)
SMART OVERLAY AND ADA IMPROVEMENTS
COOK COUNTY



PROJECT ENDS
STA. 358 + 34

OMISSIONS

- | <u>BEGINS</u> | <u>ENDS</u> |
|---------------|---------------|
| STA. 346 + 48 | STA. 353 + 54 |
| STA. 316 + 48 | STA. 320 + 97 |
| STA. 315 + 89 | STA. 320 + 73 |
| STA. 131 + 31 | STA. 133 + 26 |
| STA. 122 + 87 | STA. 125 + 38 |
| STA. 61 + 24 | STA. 62 + 30 |
| STA. 55 + 55 | STA. 60 + 76 |
| STA. 26 + 52 | STA. 27 + 10 |

PROJECT BEGINS
STA. 24 + 08

TOWNSHIPS:
WORTH, PALOS, STICKNEY, LYONS & LAKE

GROSS LENGTH = 33,426 FT. = 6.33 MILE
NET LENGTH = 31,077 FT. = 5.89 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
SUBMITTED March 11, 2021
Jose Rios / CRB
REGIONAL ENGINEER
May 7, 2021
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT
May 7, 2021
[Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION 13

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

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94	ADA RAMPS [PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS W/TURNING SPACE (PD-04)]
95	ADA RAMPS [PROJECT DETAIL FOR DEPRESSED CORNER CURB RAMPS (PD-05)]
97	CITY OF CHICAGO MANHOLE LIDS AND FRAMES (A.3)

HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-05	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-04	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424021-06	DEPRESSED CORNER FOR SIDEWALKS
424026-03	ENTRANCE / ALLEY PEDESTRIAN CROSSINGS
442201-03	CLASS C AND D PATCHES
604001-05	FRAME AND LIDS, TYPE 1
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701011-04	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 M) AWAY
701301-04	LANE CLOSURE 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE 2L, 2W, MOVING OPERATIONS - DAY ONLY
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS ≥ 45 MPH
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS ≤ 40 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
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
814001-03	HANDHOLES
814006-03	DOUBLE HANDHOLES
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUT FOR DETECTION LOOPS

GENERAL NOTES

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION AT 8-1-1 OR (800) 892-0123 OR "C.U.A.N." (CHICAGO UTILITY ALERT NETWORK) AT 312-744-7000 FOR FIELD LOCATION OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES (48 HOUR NOTIFICATION IS REQUIRED).
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, ALL MUNICIPALITIES WITHIN THE PROJECT LIMITS, AND THE CITY OF CHICAGO
- ALL SIDEWALK RAMP SHALL CONFORM TO CURRENT ADA REQUIREMENTS AND APPLICABLE STATE HIGHWAY STANDARDS OR AS DETERMINED BY THE ENGINEER.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- SAW CUTTING OF PAVEMENTS, SIDEWALK, CURB & GUTTER, ETC. SHALL BE TO FULL DEPTH AND SHALL RESULT IN A CLEAN STRAIGHT EDGE ON THE PORTION REMAINING. ALL SAW CUTTING SHALL BE CONSIDERED INCLUDED IN THE COST OF THE ITEM REMOVED.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- THE CONTRACTOR SHALL USE CARE IN REMOVING OR EXCAVATING NEAR ALL EXISTING ITEMS WHICH WILL REMAIN. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL, BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1.5 INCHES WHERE THE SPEED LIMIT IS 40 MPH OR LESS. WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRAD DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF MILLING IS SLOPED A MINIMUM OF 1:3 (V:H).
- UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURES 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.
- 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 REESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKING SHALL BE AS DIRECTED BY THE ENGINEER.
- PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
- THE CONTRACTOR SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS PRIOR TO BEGINNING WORK.
- THE RESIDENT ENGINEER SHALL CONTACT THE AREA TRAFFIC FIELD ENGINEER, ERIC CAMPOS AT ERIC.CAMPOS@ILLINOIS.GOV AT LEAST TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- BUTT JOINTS WILL BE INSTALLED AT THE END OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE THE "BUTT JOINT AND HMA TAPER DETAILS" INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
- ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING OWNERS OF ALL UTILITIES PRIOR TO CONSTRUCTION TO DETERMINE THE LOCATION OF ALL UTILITY EQUIPMENT. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS IF UTILITY RELOCATION, ADJUSTMENT, OR PROTECTION IS NECESSARY.
- THE LOCATION OF EXISTING DRAINAGE STRUCTURES, STORM SEWERS, WATER MAINS, SANITARY SEWERS, AND ANY OTHER PUBLIC OR PRIVATE UTILITIES AS SHOWN ON THE PLANS IS APPROXIMATE AND THEIR EXACT LOCATION IS TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND AND SURFACE UTILITIES EVEN THOUGH THEY MIGHT NOT BE SHOWN ON THE PLANS. THEIR EXACT LOCATION IS APPROXIMATE AND IS TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
- ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURE SHALL BE FREE OF DIRT AND DEBRIS. THIS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.
- EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
- LOCATION OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT OR COMBINATION CURB AND GUTTER (THE TYPE SPECIFIED IN THE PLANS), WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

GENERAL NOTES (CONTINUED)

- ALL PAVEMENT PATCHING LOCATIONS WILL BE IN THE FIELD BY THE ENGINEER.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
- ALL RAISED REFLECTIVE MAKERS SHALL BE INSTALLED ACCORDING TO IDOT DISTRICT ONE DETAIL TC-11.
- ALL PAVEMENT MARKINGS SHALL BE INSTALLED ACCORDING TO IDOT DISTRICT ONE DETAIL TC-13.
- ALL SIDEWALK RAMP SHALL CONFORM TO CURRENT ADA REQUIREMENTS AND APPLICABLE STATE HIGHWAY STANDARDS OR AS DETERMINED BY THE ENGINEER.
- LANDSCAPED AREAS AFFECTED BY SIDEWALK CONSTRUCTION SHALL BE RESTORED WITH 18" WIDE STRIP OF "SODDING, SALT TOLERANT" AND "TOPSOIL FURNISH AND PLACE, 4-INCH" INSTALLED FROM THE BACK OF THE SIDEWALK. OR AS DETERMINED BY THE RESIDENT ENGINEER.
- USE EARTH EXCAVATION, IF NECESSARY, TO FILL RUTS BEHIND ALL CURB & GUTTER RETURNS WITHIN PROJECT LIMITS AND RESTORE WITH SODDING, SALT TOLERANT AND TOPSOIL, 4" AS DETERMINED BY THE ENGINEER.
- GEOTECHNICAL FABRIC FOR GROUND STABILIZATION AND/OR AGGREGATE SUBGRADE IMPROVEMENT (CU.YD) HAVE BEEN PROVIDED FOR USE AT THE LOCATION INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT IN THE ABOVE ITEM WILL BE DETERMINED IN THE FIELD DURING CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOIL SHOULD BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE SSRBC AND IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOIL ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.
- ANY AGGREGATE SUBGRADE IMPROVEMENT (ASI) CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENTS IS TO BE REMOVED AND REPLACED AS DIRECT BY THE ENGINEER AT THE CONTRACTOR EXPENSE.
- BACKFILLING STORM SEWER CONSTRUCTED UNDER THE ROADWAY SPECIFIED UNDER ART. 550.07(b, c) OF THE SSRBC WILL NOT BE ALLOWED.
- IT IS ANTICIPATED THAT THIS PROJECT WILL BE IN PROGRESS AT THE SAME TIME AS WORK BY THE VILLAGE OF OAK LAWN ON SOUTHWEST HIGHWAY THROUGH THE INTERSECTION OF IL 43. A LARGE DIAMETER WATER MAIN WILL BE INSTALLED THROUGH THE CONCRETE PAVEMENT. CONSTRUCTION TIME FRAMES, INTERSECTING TRAFFIC CONTROL AND WORK ON THESE PROJECTS SHALL BE COORDINATED TO KEEP INTERFERENCE TO A MINIMUM. THE CONTRACTORS SHALL INFORM EACH OTHER OF PROGRESS OF THE PROJECTS AND GIVE FAIR WARNING TO THE OTHER CONTRACTORS WHEN A PROBLEM MIGHT BE ENCOUNTERED.
- IF ANY EXISTING PAVEMENT MARKING AND/OR SIGNING ALONG COOK COUNTY ROADWAYS IS DAMAGED DUE TO CONSTRUCTION OF PROPOSED IMPROVEMENTS, THE CONTRACTOR SHALL REPLACE THE DAMAGED TRAFFIC CONTROL DEVICES TO THE SATISFACTION OF COOK COUNTY PER IDOT AND IDOT DISTRICT 1 STANDARDS FOR TRAFFIC CONTROL DEVICES, PAVEMENT MARKING, AND SIGNAGE INCLUDED IN THE PLANS.

GENERAL NOTES – CITY OF CHICAGO

- ALL CATCH BASINS IN THE CITY OF CHICAGO MUST MEET THE DEPARTMENT OF SEWERS' STANDARDS.
- PERFORATED LIDS SHALL BE PLACED ON ALL MANHOLES AND CATCH BASINS.
- ALL BROKEN, CRACKED, WORN OR OTHERWISE DAMAGED OR BICYCLE UNSAFE FRAMES AND LIDS ON SEWER STRUCTURES, SHALL BE REPLACED WITH NEW DEPARTMENT OF SEWERS' STANDARD FRAMES AND LIDS.
- OPEN LID DRAINAGE STRUCTURES SHALL NOT BE CLOSED, COVERED OR OTHERWISE OBSTRUCTED DURING CONSTRUCTION OF THIS ROADWAY WITHOUT THE WRITTEN PERMISSION FROM THE CITY OF CHICAGO.
- CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY OF CHICAGO AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.
- PERMITS FROM THE DEPARTMENT OF SEWERS ARE REQUIRED FOR ALL UNDERGROUND STORM, SANITARY OR COMBINED SEWER STEM CONSTRUCTION, AND FOR RESURFACING WORK INVOLVING ADJUSTMENT OF SEWER STRUCTURES. THE DEPARTMENT OF SEWERS' PERMIT MUST BE OBTAINED BY A LICENSED SEWER DRAIN LAYER PRIOR TO START OF CONSTRUCTION.

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	PLOT SCALE = 100.0000' / in.	CHECKED - BA	REVISED -						348	2020-114-R5&SW	COOK	97	2
	PLOT DATE = 5/6/2021	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS	FED. AID PROJECT

LANDSCAPING GENERAL NOTES

1. CONTRACTOR SHALL CONTACT THE THE ROADSIDE DEVELOPMENT UNIT 72 HOURS PRIOR TO TREE REMOVAL AND WEED CONTROL AT (847) 705-4171.
2. LOCATIONS OF WEED CONTROL WILL BE DETERMINED IN THE FIELD BY RESIDENT ENGINEER AND ROADSIDE DEVELOPMENT UNIT.
3. GENERAL PARKWAY TREATMENT WILL USE PAY ITEMS WEED CONTROL, BROADLEAF IN TURF, MOWING AND INTERSEEDING, CLASS 2A. LOCATIONS WILL BE DETERMINED IN THE FIELD BY RESIDENT ENGINEER AND ROADSIDE DEVELOPMENT UNIT.

4. LANDSCAPE OPERATIONS CALENDAR:

DATES:	DESCRIPTION:
AUGUST 1 - AUGUST 15	MOWING (CYCLE 1)
AUGUST 15 - OCTOBER 31	TREE CARE
AUGUST 15 - SEPTEMBER 30	WEED CONTROL, AQUATIC
SEPTEMBER 1 - SEPTEMBER 30	WEED CONTROL, BROADLEAF IN TURF
OCTOBER 1 - OCTOBER 15	MOWING (CYCLE 2)
OCTOBER 1 - DECEMBER 15	WEED CONTROL, BASAL TREATMENT
OCTOBER 1 - DECEMBER 15	TREE REMOVAL
OCTOBER 1 - DECEMBER 15	SELECTIVE CLEARING
OCTOBER 15 - NOVEMBER 30	INTERSEEDING CLASS 4
OCTOBER 15 - MARCH 30, 2022	TREE PRUNING
APRIL 1 - MAY 15, 2022	SEEDING CLASS 2A
APRIL 1 - MAY 15, 2022	INTERSEEDING CLASS 2A

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USER NAME = bjama1	DESIGNED - BJ	REVISED -
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PLOT SCALE = 100.0000 ' / in.	CHECKED - BA	REVISED -
PLOT DATE = 3/18/2021	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, STATE STANDARDS & GENERAL NOTES
 IL RTE. 43 (HARLEM AVE.) (111TH ST. TO 62ND ST.)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-114-R5&SW	COOK	97	3
CONTRACT NO. 62L92				
		ILLINOIS	FED. AID PROJECT	

CODE	ITEM DESCRIPTION	UNITS	TOTAL	CONSTRUCTION CODE	
				URBAN	
				NHPP 80% FED 20% STATE ROADWAY 0005	STATE 100% ROADWAY 0005
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	70	70	
20101200	TREE ROOT PRUNING	EACH	1	1	
20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	57	57	
20200100	EARTH EXCAVATION	CU YD	265	265	
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	50	50	
21101600	TOPSOIL FURNISH AND PLACE, VARIABLE DEPTH	SQ YD	492	492	
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	753	753	
25000210	SEEDING, CLASS 2A	ACRE	0.25	0.25	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	1	1	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	1	1	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	1	1	
25000750	MOWING	ACRE	1.5	1.5	
25003210	INTERSEEDING, CLASS 2A	ACRE	1.5	1.5	
25003310	INTERSEEDING, CLASS 4	ACRE	4	4	

CODE	ITEM DESCRIPTION	UNITS	TOTAL	CONSTRUCTION CODE	
				URBAN	
				NHPP 80% FED 20% STATE ROADWAY 0005	STATE 100% ROADWAY 0005
25100630	EROSION CONTROL BLANKET	SQ YD	492	492	
25200110	SODDING, SALT TOLERANT	SQ YD	753	753	
25200200	SUPPLEMENTAL WATERING	UNIT	38.1	38.1	
28000510	INLET FILTERS	EACH	44	44	
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	163	163	
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	489	489	
35501337	HOT-MIX ASPHALT BASE COURSE, 13 1/4"	SQ YD	163	163	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	109491	109491	
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	238	238	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	2178	2178	
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	164.6	164.6	
40604060	HOT-MIX ASPHALT SURFACE COURSE, 1L-9.5, MIX "D", N50	TON	43.6	43.6	
40605026	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80	TON	23803.7	23803.7	
42001300	PROTECTIVE COAT	SQ YD	611	611	

▲ SPECIALTY ITEMS



USER NAME = bjmail	DESIGNED - BJ	REVISED -
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PLOT SCALE = 100.0000" / in.	DATE -	REVISED -
PLOT DATE = 3/18/2021		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL. RTE. 43 (HARLEM AVE.) (111TH ST. TO 62ND ST.)

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-114-R5&SW	COOK	97	4
CONTRACT NO. 62L92			ILLINOIS FED. AID PROJECT	

REV-SEP

MODEL: Default
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CODE	ITEM DESCRIPTION	UNITS	TOTAL	CONSTRUCTION CODE	
				NHPP 80% FED	STATE
				20% STATE ROADWAY 0005	100% ROADWAY 0005
			URBAN		
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	5	5	
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	15179	15179	
42400800	DETECTABLE WARNINGS	SQ FT	967	967	
44000100	PAVEMENT REMOVAL	SQ YD	5	5	
44000156	HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"	SQ YD	242895	242895	
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	389	389	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	294	294	
44000600	SIDEWALK REMOVAL	SQ FT	12690	12690	
44002207	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 1 3/4"	SQ YD	1680	1680	
44003510	MEDIAN REMOVAL PARTIAL DEPTH	SQ FT	252	252	
44201777	CLASS D PATCHES, TYPE II, 11 INCH	SQ YD	580	580	
44201781	CLASS D PATCHES, TYPE III, 11 INCH	SQ YD	92	92	
44201803	CLASS D PATCHES, TYPE II, 13 INCH	SQ YD	698	698	
44201807	CLASS D PATCHES, TYPE III, 13 INCH	SQ YD	73	73	

CODE	ITEM DESCRIPTION	UNITS	TOTAL	CONSTRUCTION CODE	
				NHPP 80% FED	STATE
				20% STATE ROADWAY 0005	100% ROADWAY 0005
			URBAN		
44201809	CLASS D PATCHES, TYPE IV, 13 INCH	SQ YD	73	73	
60250400	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	3	3	
60255500	MANHOLES TO BE ADJUSTED	EACH	4	4	
60255800	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1	1	
60260100	INLETS TO BE ADJUSTED	EACH	5	5	
60266600	VALVE BOXES TO BE ADJUSTED	EACH	5	5	
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	112	112	
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	1	1	
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	1	1	
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	137	137	
60619600	CONCRETE MEDIAN, TYPE SB-6.12	SQ FT	12	12	
▲ 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	300	300	
▲ 66900530	SOIL DISPOSAL ANALYSIS	EACH	10	10	
▲ 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	1	

▲ SPECIALTY ITEMS

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	PLOT DATE = 3/18/2021	CHECKED - BA	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL. RTE. 43 (HARLEM AVE.) (111TH ST. TO 62ND ST.)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-114-R5&SW	COOK	97	5
CONTRACT NO. 62L92			ILLINOIS FED. AID PROJECT	

CODE	ITEM DESCRIPTION	UNITS	TOTAL	CONSTRUCTION CODE	
				URBAN	STATE
▲ 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1		1
▲ 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	30		30
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	15		15
67100100	MOBILIZATION	L SUM	1		1
70100350	TRAFFIC CONTROL AND PROTECTION, STANDARD 701101	EACH	1		1
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	1		1
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1		1
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1		1
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1		1
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1		1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1		1
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1		1
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1		1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	31076		31076

CODE	ITEM DESCRIPTION	UNITS	TOTAL	CONSTRUCTION CODE	
				URBAN	STATE
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	14476		14476
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	4101		4101
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	99624		99624
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	24266		24266
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	4155		4155
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	4309		4309
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	2588		2588
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	12353		12353
* 72000100	SIGN PANEL - TYPE 1	SQ FT	12		12
* 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	22		22
▲ 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	4101		4101
▲ 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	99624		99624
▲ 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	24266		24266
▲ 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	4155		4155

* ▲ SPECIALTY ITEMS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL. RTE. 43 (HARLEM AVE.) (111TH ST. TO 62ND ST.)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-114-R5&SW	COOK	97	6
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62L92	

REV-SEP

CODE	ITEM DESCRIPTION	UNITS	TOTAL	CONSTRUCTION CODE	
				URBAN	
				NHPP 80% FED 20% STATE ROADWAY 0005	STATE 100% ROADWAY 0005
▲ 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	4309	4309	
▲ 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	2588	2588	
▲ 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	600	600	
▲ 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	600	600	
▲ 78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	400	400	
▲ 78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	120	120	
▲ 78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	120	120	
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	2998	2998	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	2998	2998	
▲ 88600600	DETECTOR LOOP REPLACEMENT	FOOT	8074	8074	
▲ 89500400	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	3	3	
89502376	REBUILD EXISTING HANDHOLE	EACH	5	5	
K0026700	TREE CARE	EACH	324	324	
K0029614	WEED CONTROL , AQUATIC	GALLON	1	1	

CODE	ITEM DESCRIPTION	UNITS	TOTAL	CONSTRUCTION CODE	
				URBAN	
				NHPP 80% FED 20% STATE ROADWAY 0005	STATE 100% ROADWAY 0005
K0029618	WEED CONTROL , BROADLEAF IN TURF	GALLON	10	10	
X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1	
X0325222	WEED CONTROL , BASAL TREATMENT	GALLON	10	10	
X0327068	PAVEMENT COLOR AND TEXTURE (SPECIAL)	SQ YD	7	7	
X2503110	MOWING (SPECIAL)	ACRE	3	3	
X4240800	DETECTABLE WARNINGS (SPECIAL)	SQ FT	118	118	
X4400501	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	860	860	
X4402020	CONCRETE MEDIAN SURFACE REMOVAL	SQ FT	4424	4424	
X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	1000		1000
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	130	130	
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	61697	61697	
Z0004562	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	1307	1307	

▲ SPECIALTY ITEMS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL. RTE. 43 (HARLEM AVE.) (111TH ST. TO 62ND ST.)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-114-R5&SW	COOK	97	7
			CONTRACT NO. 62L92	
ILLINOIS FED. AID PROJECT				

REV-SEP

CODE	ITEM DESCRIPTION	UNITS	TOTAL	CONSTRUCTION CODE	
				NHPP 80% FED	STATE
				20% STATE ROADWAY 0005	100% ROADWAY 0005
			URBAN		
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	85		85
Z0018600	DRAINAGE STRUCTURES TO BE RECONSTRUCTED	EACH	6	6	
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	51.4	51.4	
Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	119487	119487	
Z0064800	SELECTIVE CLEARING	UNIT	43	43	
∅ Z0076600	TRAINEES	HOUR	500	500	
∅ Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	500	
X7810301	RECESSED REFLECTIVE PAVEMENT MARKER (HMA)	EACH	12	12	

▲ SPECIALTY ITEMS



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

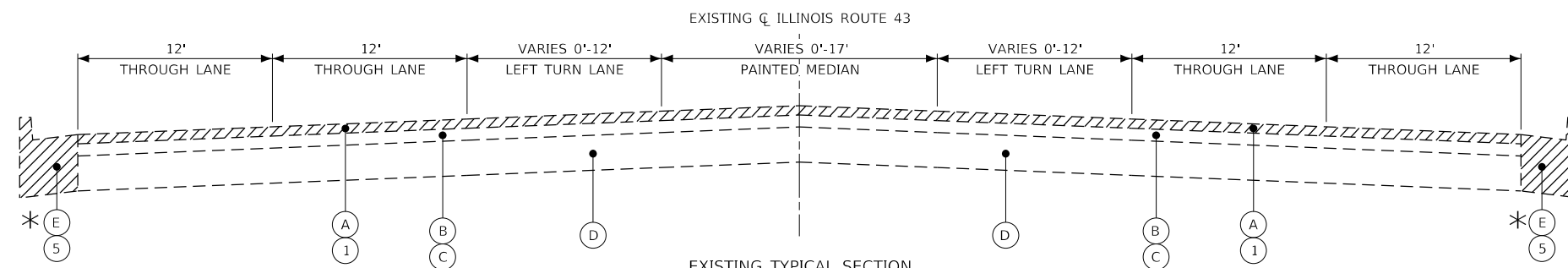
SUMMARY OF QUANTITIES			
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	STA.	TO	STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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			CONTRACT NO. 62L92	
ILLINOIS FED. AID PROJECT				

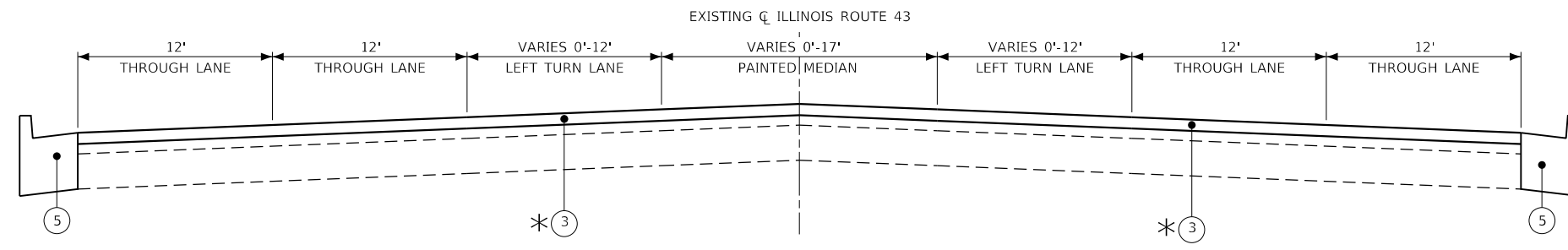
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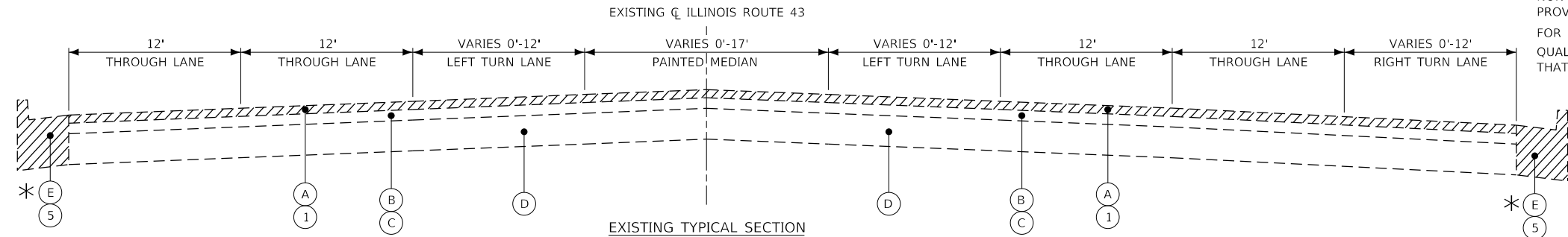
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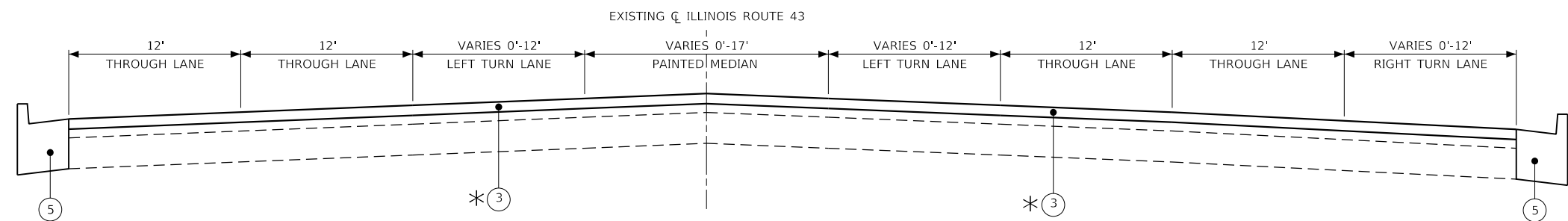
EXISTING TYPICAL SECTION
 STA. 24+08 TO STA. 52+37
 STA. 62+30 TO STA. 80+57
 STA. 200+61 TO STA. 217+81
 STA. 243+74 TO STA. 253+65
 STA. 257+02 TO STA. 291+24



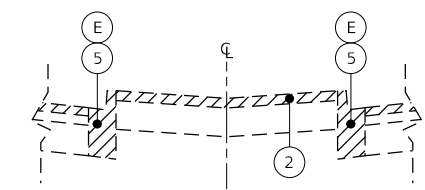
PROPOSED TYPICAL SECTION
 STA. 24+08 TO STA. 52+37
 STA. 62+30 TO STA. 80+57
 STA. 200+61 TO STA. 217+81
 STA. 243+74 TO STA. 253+65
 STA. 257+02 TO STA. 291+24



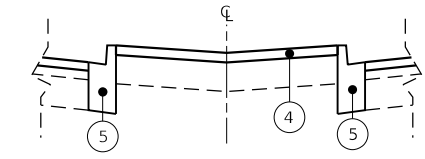
EXISTING TYPICAL SECTION
 STA. 52+37 TO STA. 55+55
 STA. 152+38 TO STA. 188+73
 STA. 253+65 TO STA. 257+02



PROPOSED TYPICAL SECTION
 STA. 52+37 TO STA. 55+55
 STA. 152+38 TO STA. 188+73
 STA. 253+65 TO STA. 257+02



EXISTING HMA MEDIAN DETAIL
 STA. 58+10 TO STA. 60+76



PROPOSED HMA MEDIAN DETAIL
 STA. 58+10 TO STA. 60+76

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		QMP
MIXTURE TYPE	AIR VOIDS @ Ndes	
PAVEMENT RESURFACING		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 1 3/4"	3.5% @ 80 Gyr.	PFP
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"	4% @ 50 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)	4% @ 70 Gyr.	QC/QA
PAVEMENT WIDENING		
HOT-MIX ASPHALT BASE COURSE (HOT-MIX ASPHALT BINDER IL-19 mm); 13 1/4"	4% @ 70 Gyr.	QC/QA
QMP DESIGNATIONS: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (QCP); PAY FOR PERFORMANCE (PFP)		

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 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.

EXISTING CONDITION

- (A) EXISTING POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1 3/4"
- (B) EXISTING POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 3/4"
- (C) EXISTING HOT-MIX ASPHALT SURFACE ±2 1/2" (STA. 24+08 TO STA. 242+23 ONLY)
- (D) EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, 10"
- (E) EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12, B-6.24, OR B-9.24
- (F) EXISTING CONCRETE, LANDSCAPED, BRICK, OR CORRUGATED MEDIAN

PROPOSED IMPROVEMENTS

- (1) PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"
- (2) PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- (3) PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 1 3/4"
- (4) PROPOSED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
- (5) COMBINATION CONCRETE CURB & GUTTER REMOVAL AND REPLACEMENT (AS DETERMINED BY THE ENGINEER)

NOTES

1. THE CONTRACTOR SHALL PATCH BEFORE MILLING.
2. SEE PLANS AND DISTRICT ONE DETAIL SHEETS FOR PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKER PLACEMENT.
3. LONGITUDINAL JOINT SEALANT IS PLACED ON TOP OF MILLED SURFACE.
- * 4. IF EXISTING CONCRETE CURB & GUTTER IS COVERED WITH HMA, REPLACE IN KIND.



REMOVAL

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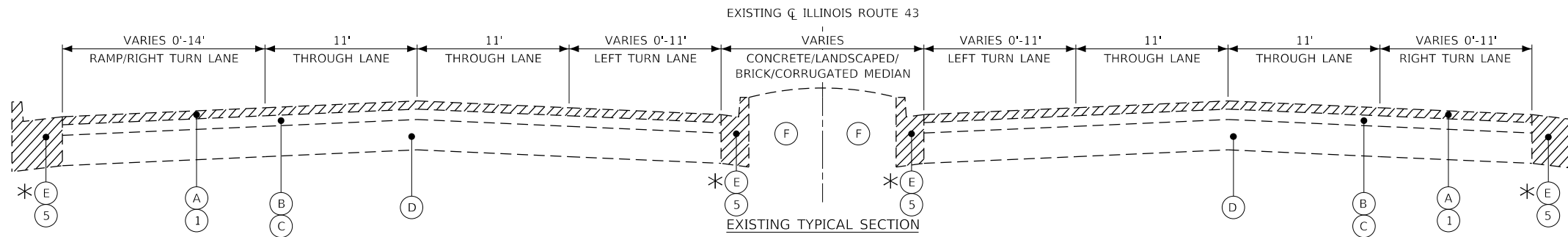


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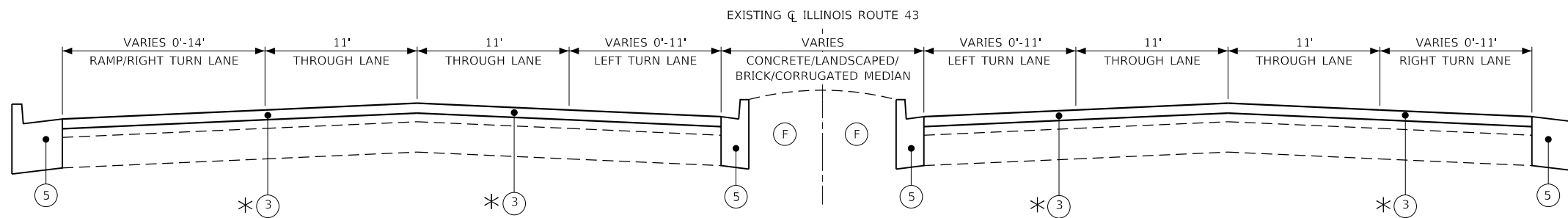
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS	
IL. RTE. 43 (HARLEM AVE.) (111TH ST. TO 62ND ST.)	
SCALE:	SHEET OF SHEETS STA. TO STA.

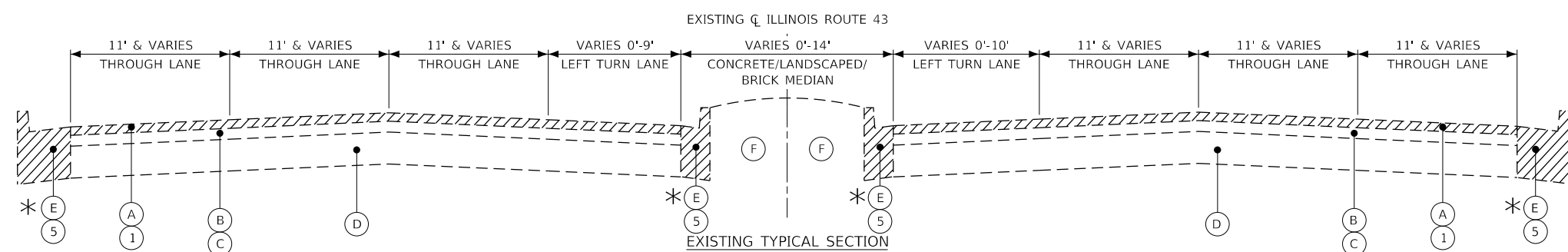
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	220-114-RS&SW	COOK	97	9
CONTRACT NO. 62L92				
ILLINOIS		FED. AID PROJECT		



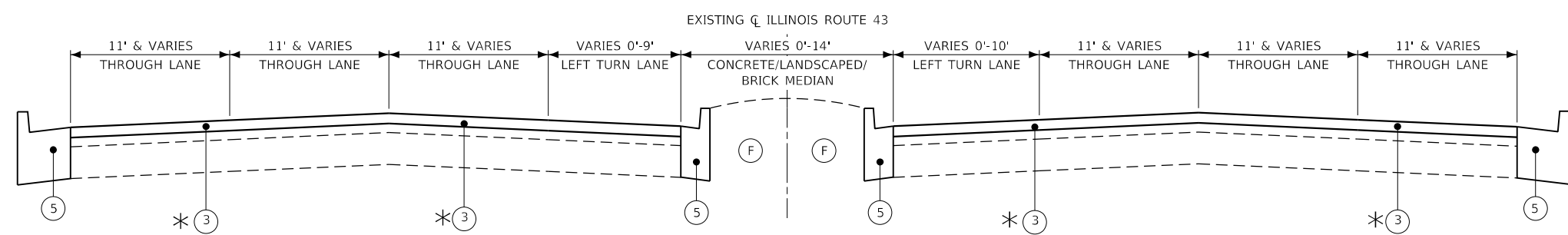
EXISTING TYPICAL SECTION
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 STA. 80+57 TO STA. 122+87
 STA. 125+38 TO STA. 131+31
 STA. 133+26 TO STA. 152+38
 STA. 291+24 TO STA. 316+23
 STA. 320+73 TO STA. 328+81



PROPOSED TYPICAL SECTION
 STA. 60+76 TO STA. 61+24
 STA. 80+57 TO STA. 122+87
 STA. 125+38 TO STA. 131+31
 STA. 133+26 TO STA. 152+38
 STA. 291+24 TO STA. 316+23
 STA. 320+73 TO STA. 328+81



EXISTING TYPICAL SECTION
 STA. 231+11 TO STA. 243+74



PROPOSED TYPICAL SECTION
 STA. 231+11 TO STA. 243+74

EXISTING CONDITION

- (A) EXISTING POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1 3/4"
- (B) EXISTING POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 3/4"
- (C) EXISTING HOT-MIX ASPHALT SURFACE ±2 1/2" (STA. 24+08 TO STA. 242+23 ONLY)
- (D) EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, 10"
- (E) EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12, B-6.24, OR B-9.24
- (F) EXISTING CONCRETE, LANDSCAPED, BRICK, OR CORRUGATED MEDIAN

PROPOSED IMPROVEMENTS

- (1) PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"
- (2) PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- (3) PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 1 3/4"
- (4) PROPOSED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
- (5) COMBINATION CONCRETE CURB & GUTTER REMOVAL AND REPLACEMENT (AS DETERMINED BY THE ENGINEER)

NOTES

1. THE CONTRACTOR SHALL PATCH BEFORE MILLING.
2. SEE PLANS AND DISTRICT ONE DETAIL SHEETS FOR PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKER PLACEMENT.
3. LONGITUDINAL JOINT SEALANT IS PLACED ON TOP OF MILLED SURFACE.
4. IF EXISTING CONCRETE CURB & GUTTER IS COVERED WITH HMA, REPLACE IN KIND.



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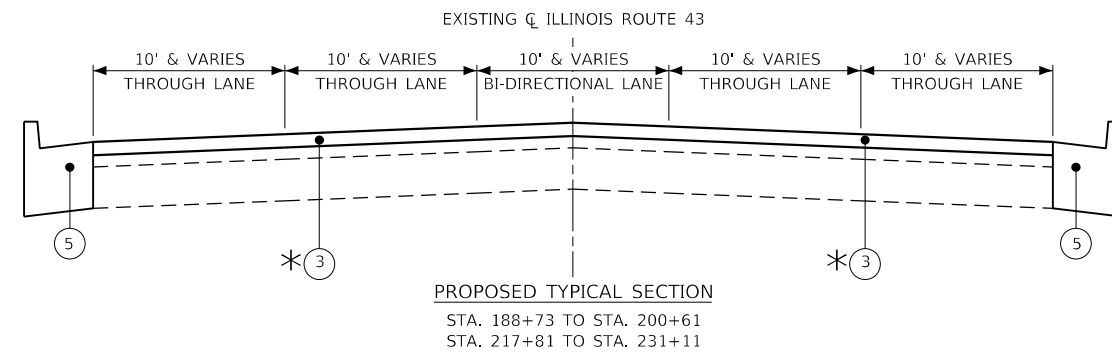
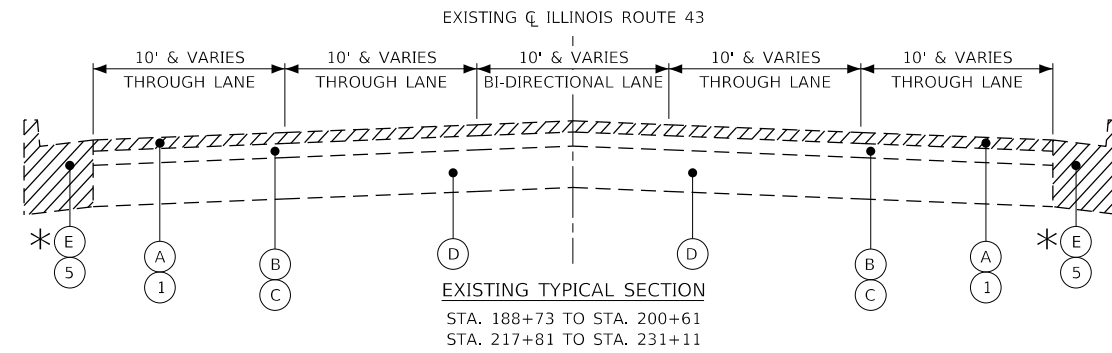


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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS	
IL. RTE. 43 (HARLEM AVE.) (111TH ST. TO 62ND ST.)	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	220-114-RS&SW	COOK	97	10
CONTRACT NO. 62L92				
ILLINOIS		FED. AID PROJECT		



EXISTING CONDITION

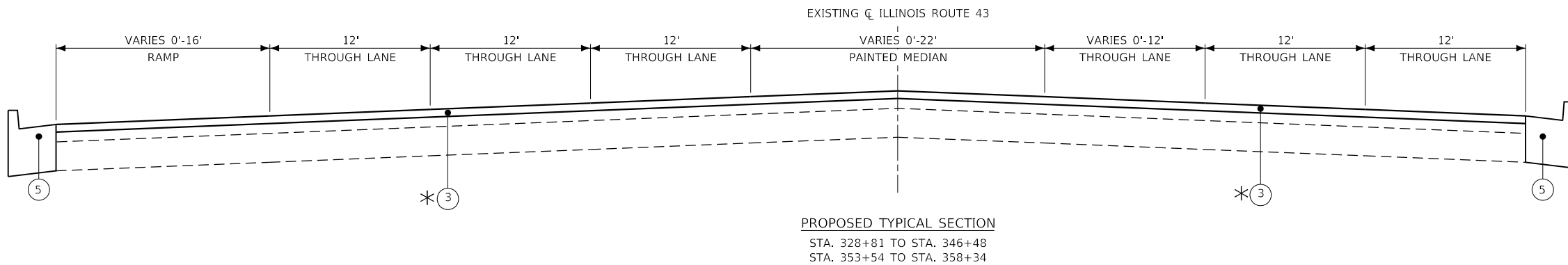
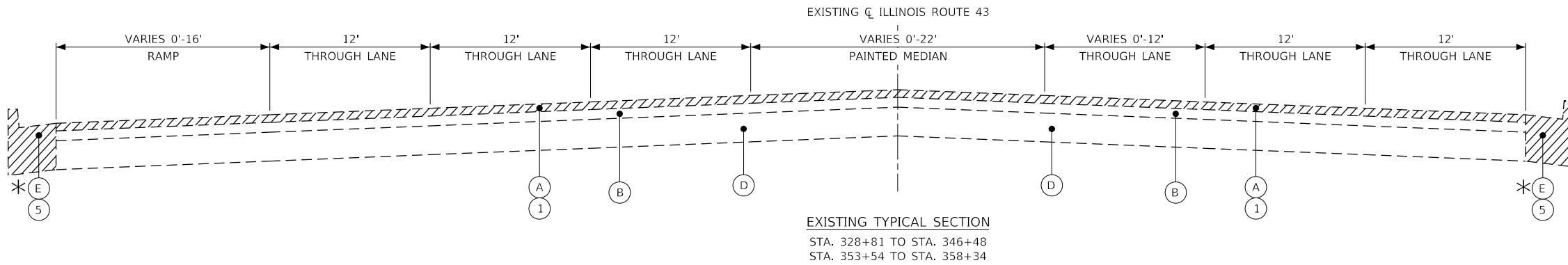
- (A) EXISTING POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1 3/4"
- (B) EXISTING POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 3/4"
- (C) EXISTING HOT-MIX ASPHALT SURFACE ±2 1/2" (STA. 24+08 TO STA. 242+23 ONLY)
- (D) EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, 10"
- (E) EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12, B-6.24, OR B-9.24
- (F) EXISTING CONCRETE, LANDSCAPED, BRICK, OR CORRUGATED MEDIAN

PROPOSED IMPROVEMENTS

- (1) PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"
- (2) PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- (3) PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 1 3/4"
- (4) PROPOSED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
- (5) COMBINATION CONCRETE CURB & GUTTER REMOVAL AND REPLACEMENT (AS DETERMINED BY THE ENGINEER)

NOTES

1. THE CONTRACTOR SHALL PATCH BEFORE MILLING.
2. SEE PLANS AND DISTRICT ONE DETAIL SHEETS FOR PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKER PLACEMENT.
3. LONGITUDINAL JOINT SEALANT IS PLACED ON TOP OF MILLED SURFACE.
- * 4. IF EXISTING CONCRETE CURB & GUTTER IS COVERED WITH HMA, REPLACE IN KIND.



MODEL: Default
 FILE NAME: p:\atlas\paw-bentley.com\atlas-paw\01\Documents\Projects\3070\3070_DS_001\WD_710_CADD\3_Sheets\151220-shs-typical.dgn



USER NAME = bjamafl	DESIGNED - BJ	REVISED -
DRAWN - BJ, AW	REVISED -	
PLOT SCALE = 10.0000' / in.	CHECKED - BA	REVISED -
PLOT DATE = 3/18/2021	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
 IL. RTE. 43 (HARLEM AVE.) (111TH ST. TO 62ND ST.)**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	220-114-RS&SW	COOK	97	11
CONTRACT NO. 62L92				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

MODEL: Default
 FILE NAME: p:\atlas\paw\proj\10\Documents\Projects\2020\307D_DS_001\WD_710_CADD\3_Sheets\151220-shs-schedule-ADA.dgn

INTERSECTION	CORNER	EARTH EXCAVATION	TOPSOIL FURNISH AND PLACE, 4"	SODDING, SALT TOLERANT	SUPPLEMENTAL WATERING	INLET FILTERS	SUBBASE GRANULAR MATERIAL, TYPE B 4"	BITUMINOUS MATERIALS (TACK COAT)	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", NS0	PROTECTIVE COAT	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	DETECTABLE WARNINGS	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SIDEWALK REMOVAL	CLASS D PATCHES, TYPE II, 11 INCH	CLASS D PATCHES, TYPE III, 11 INCH	CLASS D PATCHES, TYPE II, 13 INCH	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	MANHOLES TO BE ADJUSTED	INLETS TO BE ADJUSTED	VALVE BOXES TO BE ADJUSTED	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	REBUILD EXISTING HANDHOLE	PAVEMENT COLOR AND TEXTURE (SPECIAL)	DETECTABLE WARNINGS (SPECIAL), CAST IRON	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT
		20200100 CU YD	21101615 SQ YD	25200110 SQ YD	25200200 UNIT	28000510 EACH	31101200 SQ YD	40600290 POUND	40604060 TON	42001300 SQ YD	42300400 SQ YD	42400200 SQ FT	42400800 SQ FT	44000157 SQ YD	44000600 SQ FT	44201777 SQ YD	44201781 SQ YD	44201803 SQ YD	60250400 EACH	60255500 EACH	60260100 EACH	60266600 EACH	89500400 EACH	89502376 EACH	X0327068 SQ YD	X4240800 SQ FT	Z0004562 FOOT
IL 43 (HARLEM AVENUE) AND 110TH PL	SW	1	6	6	0.3	2	0	0.00	0.00	3	0	101.5	10	0	85	0	0	0	0	1	0	0	0	0	0	0	10
IL 43 (HARLEM AVENUE) AND 110TH PL	NW	1	6	6	0.3	2	0	0.00	0.00	3	0	101.5	10	0	85	0	0	0	0	0	0	0	0	0	0	0	10
IL 43 (HARLEM AVENUE) AND 110TH ST	SW	1	6	6	0.3	1	0	0.00	0.00	3	0	101.5	10	0	85	0	0	0	0	0	0	0	0	0	0	0	10
IL 43 (HARLEM AVENUE) AND 110TH ST	SE	2	4	4	0.2	1	0	0.00	0.00	7	0	212.1	16	0	218	0	0	0	0	0	0	0	0	0	0	0	22
IL 43 (HARLEM AVENUE) AND 110TH ST	NW	1	6	6	0.3	1	0	0.00	0.00	3	0	101.5	10	0	85	0	0	0	0	0	0	0	0	0	0	0	10
IL 43 (HARLEM AVENUE) AND 110TH ST	NE	3	19	19	1	1	0	0.00	0.00	5	0	369.3	27	0	333	0	0	0	0	0	0	0	0	0	0	0	16
IL 43 (HARLEM AVENUE) AND 109TH PL	SW	1	3	3	0.2	1	0	0.00	0.00	7	0	146.3	24	0	127	0	0	16	0	0	0	0	0	0	0	0	20
IL 43 (HARLEM AVENUE) AND 109TH PL	SE	2	11	11	0.5	1	6	0.00	0.00	5	0	206.2	23	0	191	0	0	11	0	0	0	0	0	0	0	0	15
IL 43 (HARLEM AVENUE) AND 109TH PL	NW	1	5	5	0.3	1	0	0.00	0.00	8	0	62.0	10	0	90	0	0	0	0	0	0	0	0	0	0	0	23
IL 43 (HARLEM AVENUE) AND 109TH PL	NE	2	5	5	0.3	0	0	0.00	0.00	5	0	189.3	13	0	167	0	0	0	0	0	0	0	0	0	0	0	15
IL 43 (HARLEM AVENUE) AND 109TH ST	NE	4	23	23	1.2	1	0	0.00	0.00	3	0	445.0	11	0	375	0	0	0	0	0	0	0	0	0	0	0	10
IL 43 (HARLEM AVENUE) AND 109TH ST	SE	2	12	12	0.6	2	0	0.00	0.00	3	0	221.5	10	0	185	0	0	0	0	0	0	0	0	0	0	0	10
IL 43 (HARLEM AVENUE) AND 109TH ST	NW	1	6	6	0.3	2	0	0.00	0.00	3	0	101.5	10	0	85	0	0	0	0	0	0	0	0	0	0	0	10
IL 43 (HARLEM AVENUE) AND 109TH ST	SW	1	6	6	0.3	1	0	0.00	0.00	3	0	101.5	10	0	85	0	0	0	0	0	0	0	0	0	0	0	10
IL 43 (HARLEM AVENUE) AND 108TH PL	NW	1	7	7	0.4	1	0	0.00	0.00	6	0	157.8	10	0	168	0	0	0	0	0	0	0	0	0	0	0	21
IL 43 (HARLEM AVENUE) AND 108TH PL	SW	1	6	6	0.3	1	0	0.00	0.00	4	0	132.9	10	0	135	0	0	0	0	0	0	0	0	0	0	0	16
IL 43 (HARLEM AVENUE) AND 108TH ST	NE	3	17	17	0.9	1	0	0.00	0.00	3	0	357.1	12	0	357	0	0	0	0	0	0	0	0	0	0	0	10
IL 43 (HARLEM AVENUE) AND 108TH ST	SE	3	16	16	0.8	1	0	0.00	0.00	3	0	343.7	13	0	344	0	0	0	0	0	0	0	0	0	0	0	10
IL 43 (HARLEM AVENUE) AND 107TH ST	SW	1	2	2	0.1	2	0	0.05	0.12	3	0	64.8	9	0	59	0	0	5	0	0	0	0	0	0	4	0	10
IL 43 (HARLEM AVENUE) AND 107TH ST	SE	3	12	12	0.6	1	0	0.00	0.00	6	0	413.0	31	0	413	0	0	16	0	0	0	0	0	0	0	0	20
IL 43 (HARLEM AVENUE) AND 107TH ST	NW	0	0	0	0	2	0	0.24	0.53	3	0	43.0	10	5	43	0	0	0	0	0	0	0	0	0	3	0	10
IL 43 (HARLEM AVENUE) AND 107TH ST	NE	1	5	5	0.3	1	0	0.00	0.00	9	0	141.8	14	0	131	0	0	0	0	0	0	0	0	0	0	0	32
IL 43 (HARLEM AVENUE) AND 105TH ST	SE	2	14	14	0.7	1	0	0.00	0.00	3	0	247.5	18	0	205	0	0	0	0	0	0	0	0	0	0	0	10
IL 43 (HARLEM AVENUE) AND 105TH ST	NE	2	13	13	0.7	1	0	0.00	0.00	3	0	245.0	18	0	205	0	0	0	1	0	0	0	0	0	0	0	10
IL 43 (HARLEM AVENUE) AND 90TH ST	NW	2	4	4	0.2	1	0	0.00	0.00	5	0	242.5	10	0	216	0	0	0	0	0	0	1	0	0	0	0	15
IL 43 (HARLEM AVENUE) AND 90TH ST	SE	1	6	6	0.3	0	0	0.00	0.00	3	0	102.0	10	0	85	0	0	0	0	0	0	0	0	1	0	0	10
IL 43 (HARLEM AVENUE) AND 87TH ST	SW	4	14	14	0.7	0	144	0.00	0.00	3	0	248.6	0	0	89	0	0	0	0	0	0	0	0	0	0	10	12
IL 43 (HARLEM AVENUE) AND 87TH ST	SE	3	9	9	0.5	0	128	0.00	0.00	2	0	128.0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	10
IL 43 (HARLEM AVENUE) AND 87TH ST	ISL	1	0	0	0	0	0	0.00	0.00	6	0	110.4	0	0	96	0	0	0	0	0	0	0	0	0	0	33	29
IL 43 (HARLEM AVENUE) AND 87TH ST	NW	2	5	5	0.2	0	0	0.00	0.00	5	0	164.0	0	0	166	0	0	0	0	0	0	0	0	0	0	18	21
IL 43 (HARLEM AVENUE) AND 87TH ST	NE	2	7	7	0.4	0	37	0.00	0.00	2	0	150.3	0	0	151	0	0	0	0	0	0	0	0	0	0	10	9
IL 43 (HARLEM AVENUE) AND 87TH ST	ISL	1	0	0	0	0	0	0.00	0.00	6	0	121.1	0	0	105	0	0	0	0	0	0	0	0	0	0	37	29
IL 43 (HARLEM AVENUE) AND 86TH ST	SW	1	3	3	0.2	0	0	0.00	0.00	2	0	114.5	10	0	97	0	0	0	0	0	0	0	0	0	0	0	10



USER NAME = bjamafl	DESIGNED - ATS	REVISED - BJ 5/6/2021
PLOT SCALE = 100.0000' / in.	DRAWN - ZP	REVISED -
PLOT DATE = 5/6/2021	CHECKED - BA	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ADA SCHEDULE			
IL RTE. 43 (HARLEM AVE.) (111TH ST. TO 62ND ST.)			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-114-R5&SW	COOK	97	12
CONTRACT NO. 62L92				
ILLINOIS		FED. AID PROJECT		

MODEL: Default
 FILE NAME: p:\atlas\paw\ben\ben\com\atlas\paw\01\Documents\Projects\2020\3070_DS_001\WD_710_CADD\3_Sheets\151220-ehs-schedule-ADA.dgn

INTERSECTION	CORNER	EARTH EXCAVATION	TOPSOIL FURNISH AND PLACE, 4"	SODDING, SALT TOLERANT	SUPPLEMENTAL WATERING	INLET FILTERS	SUBBASE GRANULAR MATERIAL, TYPE B 4"	BITUMINOUS MATERIALS (TACK COAT)	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", NS0	PROTECTIVE COAT	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	DETECTABLE WARNINGS	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SIDEWALK REMOVAL	CLASS D PATCHES, TYPE II, 11 INCH	CLASS D PATCHES, TYPE III, 11 INCH	CLASS D PATCHES, TYPE II, 13 INCH	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	MANHOLES TO BE ADJUSTED	INLETS TO BE ADJUSTED	VALVE BOXES TO BE ADJUSTED	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	REBUILD EXISTING HANDHOLE	PAVEMENT COLOR AND TEXTURE (SPECIAL)	DETECTABLE WARNINGS (SPECIAL), CAST IRON	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT
		20200100 CU YD	21101615 SQ YD	25200110 SQ YD	25200200 UNIT	28000510 EACH	31101200 SQ YD	40600290 POUND	40604060 TON	42001300 SQ YD	42300400 SQ YD	42400200 SQ FT	42400800 SQ FT	44000157 SQ YD	44000600 SQ FT	44201777 SQ YD	44201781 SQ YD	44201803 SQ YD	60250400 EACH	60255500 EACH	60260100 EACH	60266600 EACH	89500400 EACH	89502376 EACH	X0327068 SQ YD	X4240800 SQ FT	Z0004562 FOOT
IL 43 (HARLEM AVENUE) AND 86TH ST	SE	2	3	3	0.2	0	0	0.00	0.00	4	0	195.3	16	0	195	0	0	0	0	0	0	1	0	0	0	0	18
IL 43 (HARLEM AVENUE) AND 86TH ST	NW	3	13	13	0.6	1	0	0.00	0.00	6	0	337.5	20	0	300	0	0	0	0	1	0	0	0	0	0	0	20
IL 43 (HARLEM AVENUE) AND 86TH ST	NE	2	14	14	0.7	0	0	0.00	0.00	7	0	268.0	20	0	309	0	0	0	0	0	0	0	0	0	0	0	31
IL 43 (HARLEM AVENUE) AND 85TH ST	SW	1	5	5	0.3	1	0	0.00	0.00	2	0	100.5	10	0	85	0	0	0	0	0	0	1	0	0	0	0	10
IL 43 (HARLEM AVENUE) AND 85TH ST	SE	2	12	12	0.6	1	0	0.00	0.00	2	0	215.0	10	0	180	0	0	0	0	0	0	0	0	0	0	0	10
IL 43 (HARLEM AVENUE) AND 85TH ST	NW	2	14	14	0.7	0	0	0.00	0.00	2	0	267.5	10	0	225	0	0	0	0	0	0	0	0	0	0	0	10
IL 43 (HARLEM AVENUE) AND 84TH ST	SW	2	10	10	0.5	1	0	0.41	0.92	3	0	273.0	20	8	275	0	0	7	1	0	0	0	0	0	0	0	14
IL 43 (HARLEM AVENUE) AND 84TH ST	SE	3	13	13	0.6	0	0	0.00	0.00	7	5	300.0	22	0	300	0	0	0	0	1	0	0	0	1	0	0	25
IL 43 (HARLEM AVENUE) AND 84TH ST	NW	3	11	11	0.5	1	0	0.00	0.00	4	0	337.0	20	0	305	0	0	0	1	0	0	0	0	0	0	0	20
IL 43 (HARLEM AVENUE) AND 84TH ST	NE	2	6	6	0.3	0	0	0.40	0.90	8	0	95.1	21	8	86	0	0	0	0	0	0	0	0	1	0	0	24
IL 43 (HARLEM AVENUE) AND 83RD ST	SW	2	4	4	0.2	0	0	0.00	0.00	12	0	227.0	25	0	245	0	0	0	0	0	0	0	0	0	0	0	37
IL 43 (HARLEM AVENUE) AND 83RD ST	SE	2	6	6	0.3	0	0	0.00	0.00	9	0	182.8	22	0	212	0	0	0	0	0	0	0	0	1	0	0	26
IL 43 (HARLEM AVENUE) AND 83RD ST	NW	3	10	10	0.5	0	0	0.00	0.00	7	0	315.4	14	0	295	0	0	0	0	0	0	0	0	0	0	0	22
IL 43 (HARLEM AVENUE) AND 83RD ST	NE	2	9	9	0.4	0	5	0.00	0.00	9	0	151.8	20	35	151.8	0	0	0	0	0	0	1	0	0	0	0	26
IL 43 (HARLEM AVENUE) AND 82ND PL	SE	2	12	12	0.6	1	0	0.00	0.00	3	0	221.0	10	0	185	0	0	0	0	0	0	0	0	0	0	0	10
IL 43 (HARLEM AVENUE) AND 82ND ST	NE	2	6	6	0.3	0	0	0.00	0.00	2	0	227.0	10	0	210	0	0	0	0	0	0	0	0	0	0	0	10
IL 43 (HARLEM AVENUE) AND 82ND ST	SE	2	15	15	0.7	0	0	0.00	0.00	2	0	263.5	10	0	220	0	0	0	0	0	0	1	0	0	0	0	10
IL 43 (HARLEM AVENUE) AND 81ST PL	SE	2	15	15	0.7	0	0	0.00	0.00	2	0	268.5	10	0	225	0	0	0	0	0	0	0	0	0	0	0	10
IL 43 (HARLEM AVENUE) AND 81ST ST	NE	2	14	14	0.7	0	0	0.00	0.00	2	0	250.5	10	0	210	0	0	0	0	1	0	0	0	0	0	0	10
IL 43 (HARLEM AVENUE) AND 81ST ST	SE	2	8	8	0.4	0	0	0.87	1.96	2	0	248.0	10	17	225	0	0	0	0	0	0	0	0	0	0	0	10
IL 43 (HARLEM AVENUE) AND 80TH ST	SW	1	6	6	0.3	0	0	0.00	0.00	2	0	101.5	10	0	85	0	0	0	0	0	0	0	0	0	0	0	10
IL 43 (HARLEM AVENUE) AND 80TH ST	NW	1	7	7	0.3	0	0	0.00	0.00	2	0	125.5	12	0	105	0	0	0	0	0	0	0	0	0	0	0	10
IL 43 (HARLEM AVENUE) AND 78TH ST	SW	3	19	19	1	0	0	0.00	0.00	4	0	378.0	20	0	320	0	0	0	0	0	0	0	0	0	0	0	20
IL 43 (HARLEM AVENUE) AND 75TH ST	SW	2	7	7	0.3	1	56	0.00	0.00	7	0	135.1	10	0	143	0	0	0	0	0	0	0	0	0	0	0	22
IL 43 (HARLEM AVENUE) AND 75TH ST	SE	2	4	4	0.2	1	0	0.00	0.00	10	0	171.0	29	0	171	11	0	0	0	0	0	0	0	1	0	0	29
IL 43 (HARLEM AVENUE) AND 75TH ST	NW	2	2	2	0.1	1	0	0.00	0.00	10	0	174.0	35	0	174	0	16	0	0	0	1	0	0	0	0	0	31
IL 43 (HARLEM AVENUE) AND 75TH ST	NE	2	2	2	0.1	1	0	0.58	1.29	12	0	243.9	29	12	226	0	0	0	0	0	1	0	1	0	0	0	37
IL 43 (HARLEM AVENUE) AND 74TH PL	SE	2	4	4	0.2	0	0	0.00	0.00	10	0	186.0	16	0	190	0	0	0	0	0	0	0	0	0	0	0	31
IL 43 (HARLEM AVENUE) AND 73RD PL	SE	1	3	3	0.2	0	0	0.35	0.79	11	0	134.0	9	7	143	0	17	0	0	0	0	0	0	0	0	0	33
IL 43 (HARLEM AVENUE) AND 73RD PL	NE	1	8	8	0.4	0	0	0.00	0.00	8	0	130.0	10	0	105	0	19	0	0	0	0	0	0	0	0	0	24
IL 43 (HARLEM AVENUE) AND 72ND ST	SE	1	4	4	0.2	1	0	0.00	0.00	10	0	136.1	16	0	124	0	25	0	0	0	1	0	0	0	0	0	31
IL 43 (HARLEM AVENUE) AND 72ND ST	NE	1	3	3	0.2	1	6	0.00	0.00	10	0	113.0	18	0	106	0	0	0	0	0	1	0	0	0	0	0	29
IL 43 (HARLEM AVENUE) AND 71ST ST	SW	3	19	19	0.9	1	0	0.00	0.00	18	0	311.2	20	0	385	0	0	0	0	0	1	0	1	0	0	0	53



USER NAME = bjamafl	DESIGNED - ATS	REVISED - BJ 5/6/2021
PLOT SCALE = 100.0000' / in.	DRAWN - ZP	REVISED -
PLOT DATE = 5/6/2021	CHECKED - BA	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ADA SCHEDULE			
IL RTE. 43 (HARLEM AVE.) (111TH ST. TO 62ND ST.)			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-114-R5&SW	COOK	97	13
CONTRACT NO. 62L92				
ILLINOIS		FED. AID PROJECT		

MODEL: Default
 FILE NAME: p:\atlas\pww-bentley.com\atlas\pww-d\1\Documents\Project\3070\3070_DS_001\WD_710_CAD\3_Sheets\151220\ch-schedule-ADA.dgn

INTERSECTION	CORNER	EARTH EXCAVATION	TOPSOIL FURNISH AND PLACE, 4"	SODDING, SALT TOLERANT	SUPPLEMENTAL WATERING	INLET FILTERS	SUBBASE GRANULAR MATERIAL, TYPE B 4"	BITUMINOUS MATERIALS (TACK COAT)	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	PROTECTIVE COAT	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	DETECTABLE WARNINGS	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SIDEWALK REMOVAL	CLASS D PATCHES, TYPE II, 11 INCH	CLASS D PATCHES, TYPE III, 11 INCH	CLASS D PATCHES, TYPE II, 13 INCH	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	MANHOLES TO BE ADJUSTED	INLETS TO BE ADJUSTED	VALVE BOXES TO BE ADJUSTED	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	REBUILD EXISTING HANDHOLE	PAVEMENT COLOR AND TEXTURE (SPECIAL)	DETECTABLE WARNINGS (SPECIAL), CAST IRON	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	
		20200100 CU YD	21101615 SQ YD	25200110 SQ YD	25200200 UNIT	28000510 EACH	31101200 SQ YD	40600290 POUND	40604060 TON	42001300 SQ YD	42300400 SQ YD	42400200 SQ FT	42400800 SQ FT	44000157 SQ YD	44000600 SQ FT	44201777 SQ YD	44201781 SQ YD	44201803 SQ YD	60250400 EACH	60255500 EACH	60260100 EACH	60266600 EACH	89500400 EACH	89502376 EACH	X0327068 SQ YD	X4240800 SQ FT	Z0004562 FOOT	
IL 43 (HARLEM AVENUE) AND 71ST ST	SE	4	6	6	0.3	0	78	0.00	0.00	18	0	309.8	22	0	232	0	0	0	0	0	0	0	0	1	0	0	0	54
IL 43 (HARLEM AVENUE) AND 71ST ST	NW	4	10	10	0.5	0	0	0.00	0.00	12	0	408.0	17	0	408	0	0	0	0	0	0	0	0	0	0	0	0	37
IL 43 (HARLEM AVENUE) AND 71ST ST	NE	1	5	5	0.2	1	0	0.00	0.00	4	0	88.6	15	0	74	0	0	0	0	0	0	0	0	0	0	0	0	12
TOTAL		130	564	564	28.6	44	460	2.91	6.51	388	5	13879.0	967	58	12690	11	59	56	3	4	5	5	3	5	7	118	1307	



USER NAME = bjama@	DESIGNED - ATS	REVISED - BJ 5/6/2021
	DRAWN - ZP	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - BA	REVISED -
PLOT DATE = 5/6/2021	DATE -	REVISED -

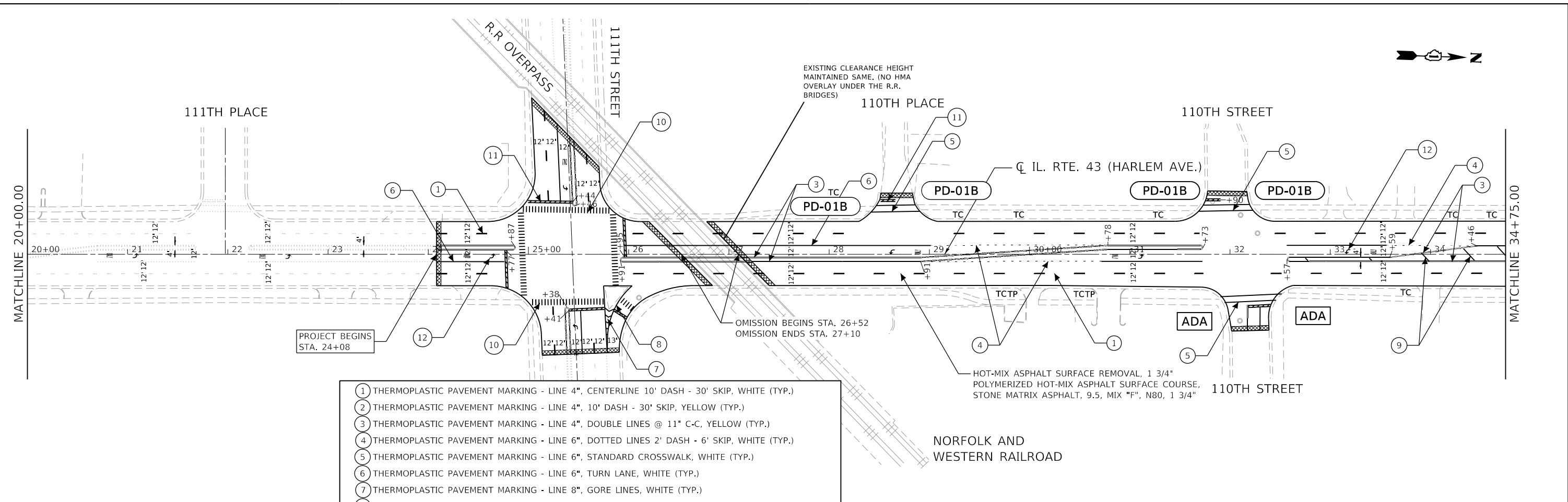
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA SCHEDULE
 IL RTE. 43 (HARLEM AVE.) (111TH ST. TO 62ND ST.)**

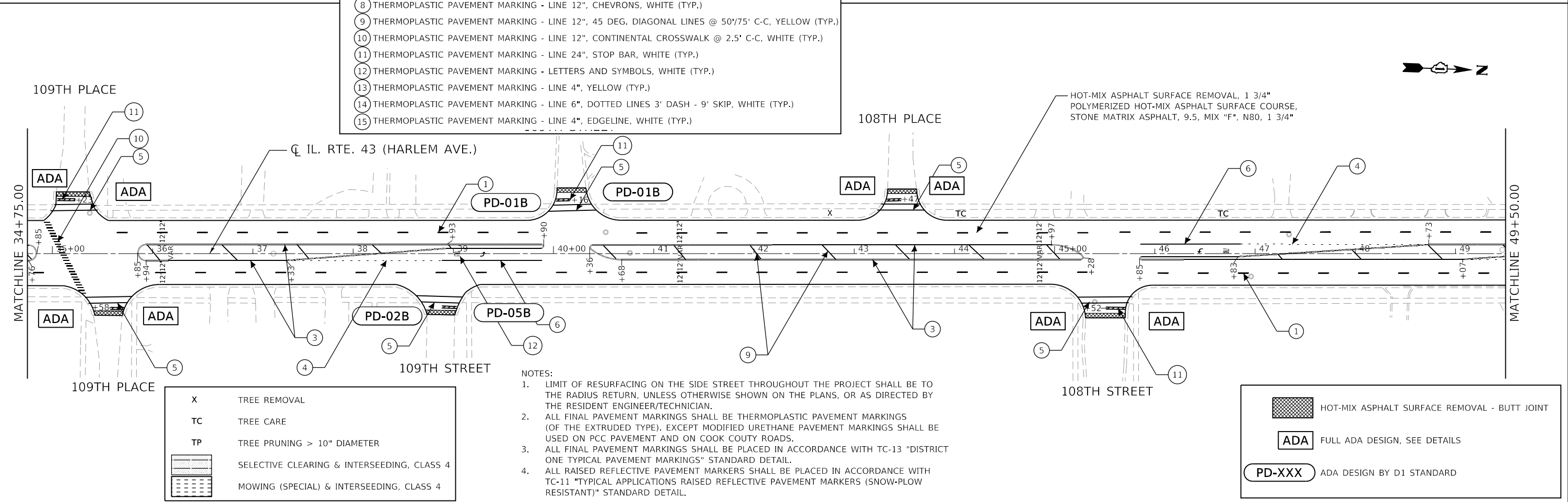
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-114-R5&SW	COOK	97	14
CONTRACT NO. 62L92				
		ILLINOIS	FED. AID PROJECT	

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- ① THERMOPLASTIC PAVEMENT MARKING - LINE 4", CENTERLINE 10' DASH - 30' SKIP, WHITE (TYP.)
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4", 10' DASH - 30' SKIP, YELLOW (TYP.)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4", DOUBLE LINES @ 11" C-C, YELLOW (TYP.)
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE 6", DOTTED LINES 2' DASH - 6' SKIP, WHITE (TYP.)
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 6", STANDARD CROSSWALK, WHITE (TYP.)
- ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 6", TURN LANE, WHITE (TYP.)
- ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 8", GORE LINES, WHITE (TYP.)
- ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 12", CHEVRONS, WHITE (TYP.)
- ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 12", 45 DEG. DIAGONAL LINES @ 50'/75' C-C, YELLOW (TYP.)
- ⑩ THERMOPLASTIC PAVEMENT MARKING - LINE 12", CONTINENTAL CROSSWALK @ 2.5' C-C, WHITE (TYP.)
- ⑪ THERMOPLASTIC PAVEMENT MARKING - LINE 24", STOP BAR, WHITE (TYP.)
- ⑫ THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS, WHITE (TYP.)
- ⑬ THERMOPLASTIC PAVEMENT MARKING - LINE 4", YELLOW (TYP.)
- ⑭ THERMOPLASTIC PAVEMENT MARKING - LINE 6", DOTTED LINES 3' DASH - 9' SKIP, WHITE (TYP.)
- ⑮ THERMOPLASTIC PAVEMENT MARKING - LINE 4", EDGELINE, WHITE (TYP.)



- X TREE REMOVAL
- TC TREE CARE
- TP TREE PRUNING > 10" DIAMETER
- [Pattern] SELECTIVE CLEARING & INTERSEEDING, CLASS 4
- [Pattern] MOWING (SPECIAL) & INTERSEEDING, CLASS 4

- NOTES:
- LIMIT OF RESURFACING ON THE SIDE STREET THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER/TECHNICIAN.
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- [Pattern] HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- [ADA] FULL ADA DESIGN, SEE DETAILS
- [PD-XXX] ADA DESIGN BY D1 STANDARD

AEG ATLAS ENGINEERING GROUP, LTD.

USER NAME = bjamafl	DESIGNED - BJ	REVISED -
	DRAWN - BJ	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - BA	REVISED -
PLOT DATE = 3/18/2021	DATE -	REVISED -

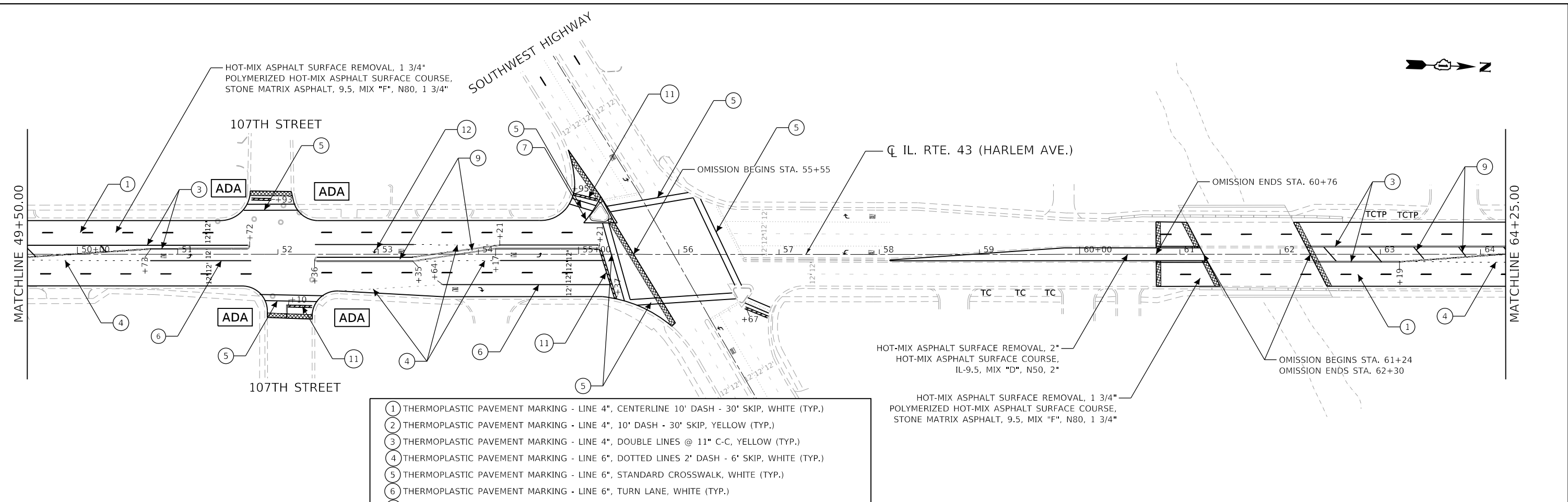
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY AND PAVEMENT MARKING PLANS
 IL. RTE. 43 (HARLEM AVE.) (111TH ST. TO 62ND ST.)**

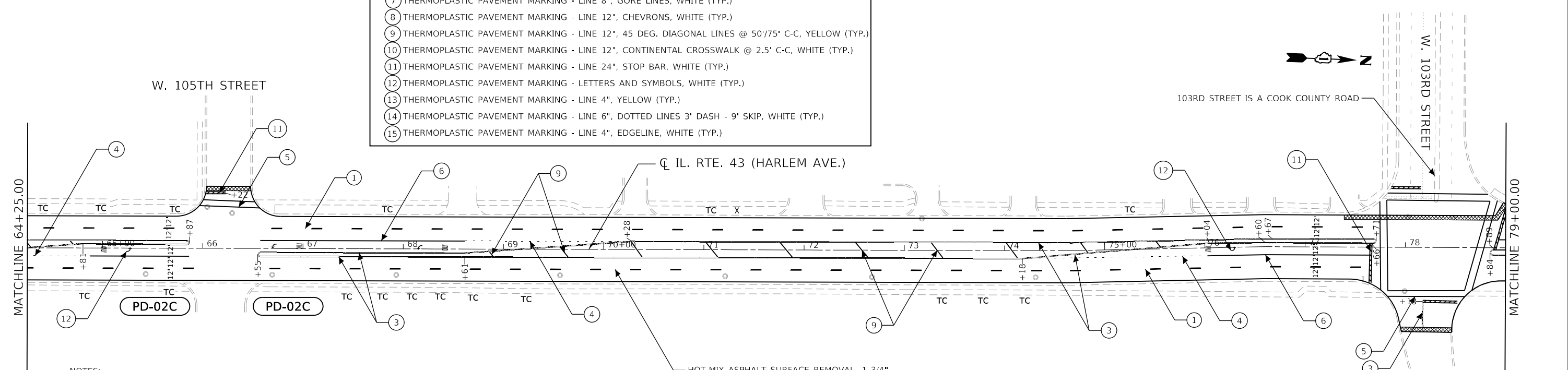
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-114-R5&SW	COOK	97	15
CONTRACT NO. 62L92				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

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- ① THERMOPLASTIC PAVEMENT MARKING - LINE 4", CENTERLINE 10' DASH - 30' SKIP, WHITE (TYP.)
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4", 10' DASH - 30' SKIP, YELLOW (TYP.)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4", DOUBLE LINES @ 11" C-C, YELLOW (TYP.)
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- ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 12", CHEVRONS, WHITE (TYP.)
- ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 12", 45 DEG. DIAGONAL LINES @ 50'/75' C-C, YELLOW (TYP.)
- ⑩ THERMOPLASTIC PAVEMENT MARKING - LINE 12", CONTINENTAL CROSSWALK @ 2.5' C-C, WHITE (TYP.)
- ⑪ THERMOPLASTIC PAVEMENT MARKING - LINE 24", STOP BAR, WHITE (TYP.)
- ⑫ THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS, WHITE (TYP.)
- ⑬ THERMOPLASTIC PAVEMENT MARKING - LINE 4", YELLOW (TYP.)
- ⑭ THERMOPLASTIC PAVEMENT MARKING - LINE 6", DOTTED LINES 3' DASH - 9' SKIP, WHITE (TYP.)
- ⑮ THERMOPLASTIC PAVEMENT MARKING - LINE 4", EDGELINE, WHITE (TYP.)



- NOTES:
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 - ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH TC-11 "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" STANDARD DETAIL.

HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 1 3/4"

X	TREE REMOVAL
TC	TREE CARE
TP	TREE PRUNING > 10" DIAMETER
[Pattern]	SELECTIVE CLEARING & INTERSEEDING, CLASS 4
[Pattern]	MOWING (SPECIAL) & INTERSEEDING, CLASS 4

[Pattern]	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
[ADA]	FULL ADA DESIGN, SEE DETAILS
[PD-XXX]	ADA DESIGN BY D1 STANDARD

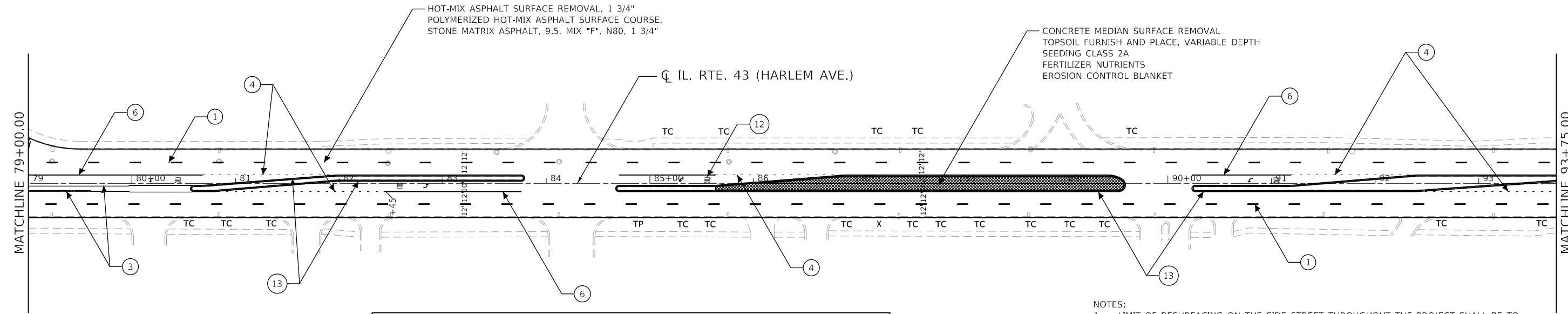
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	PLOT SCALE = 100,0000' / in.	DRAWN - BJ	REVISED -
	PLOT DATE = 5/6/2021	CHECKED - BA	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

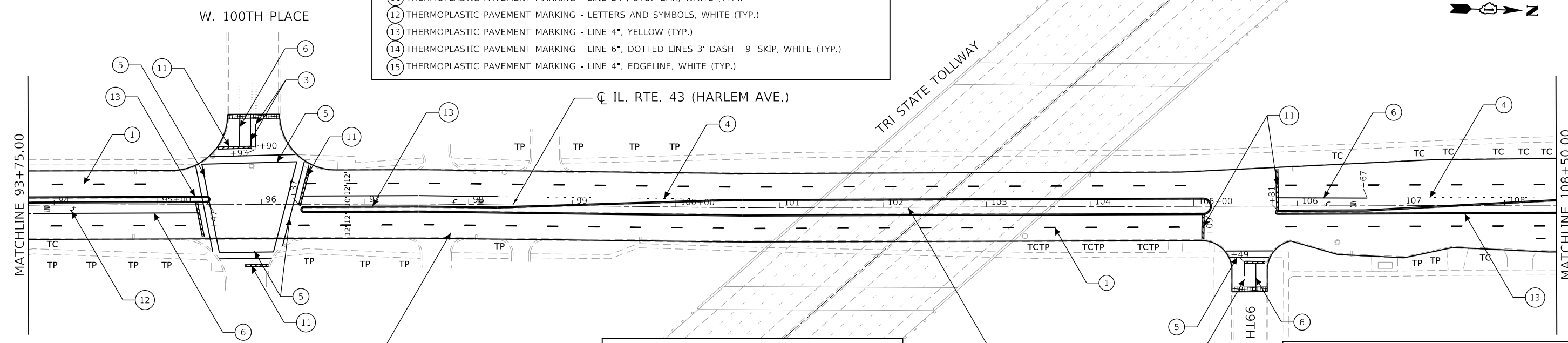
**ROADWAY AND PAVEMENT MARKING PLANS
 IL. RTE. 43 (HARLEM AVE.) (111TH ST. TO 62ND ST.)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-114-R5&SW	COOK	97	16
CONTRACT NO. 62L92				
ILLINOIS FED. AID PROJECT				



- NOTES:
1. LIMIT OF RESURFACING ON THE SIDE STREET THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER/TECHNICIAN.
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- ① THERMOPLASTIC PAVEMENT MARKING - LINE 4", CENTERLINE 10' DASH - 30' SKIP, WHITE (TYP.)
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 - ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 6", STANDARD CROSSWALK, WHITE (TYP.)
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 - ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 8", GORE LINES, WHITE (TYP.)
 - ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 12", CHEVRONS, WHITE (TYP.)
 - ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 12", 45 DEG. DIAGONAL LINES @ 50'/75' C-C, YELLOW (TYP.)
 - ⑩ THERMOPLASTIC PAVEMENT MARKING - LINE 12", CONTINENTAL CROSSWALK @ 2.5' C-C, WHITE (TYP.)
 - ⑪ THERMOPLASTIC PAVEMENT MARKING - LINE 24", STOP BAR, WHITE (TYP.)
 - ⑫ THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS, WHITE (TYP.)
 - ⑬ THERMOPLASTIC PAVEMENT MARKING - LINE 4", YELLOW (TYP.)
 - ⑭ THERMOPLASTIC PAVEMENT MARKING - LINE 6", DOTTED LINES 3' DASH - 9' SKIP, WHITE (TYP.)
 - ⑮ THERMOPLASTIC PAVEMENT MARKING - LINE 4", EDGELINE, WHITE (TYP.)



- X TREE REMOVAL
- TC TREE CARE
- TP TREE PRUNING > 10" DIAMETER
- [Pattern] SELECTIVE CLEARING & INTERSEEDING, CLASS 4
- [Pattern] MOWING (SPECIAL) & INTERSEEDING, CLASS 4

- [Pattern] HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- [ADA] FULL ADA DESIGN, SEE DETAILS
- [PD-XXX] ADA DESIGN BY D1 STANDARD

AEG ATLAS ENGINEERING GROUP, LTD.

USER NAME = bjamall	DESIGNED - BJ	REVISED - BJ 5/6/2021
PLOT SCALE = 100,0000' / in.	DRAWN - BJ	REVISED -
PLOT DATE = 5/6/2021	CHECKED - BA	REVISED -
	DATE -	REVISED -

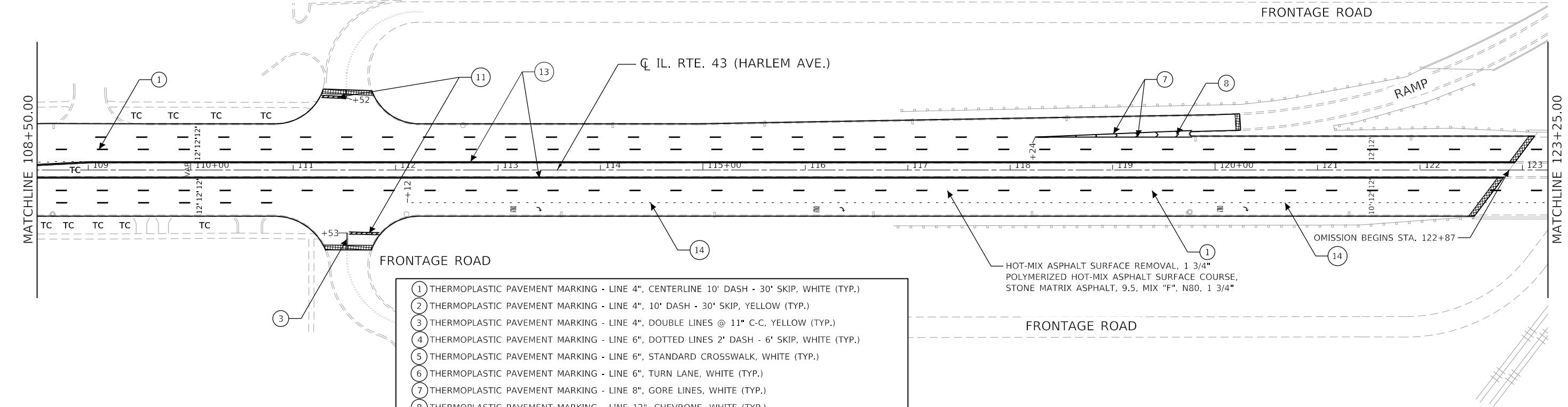
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY AND PAVEMENT MARKING PLANS
IL. RTE. 43 (HARLEM AVE.) (111TH ST. TO 62ND ST.)**

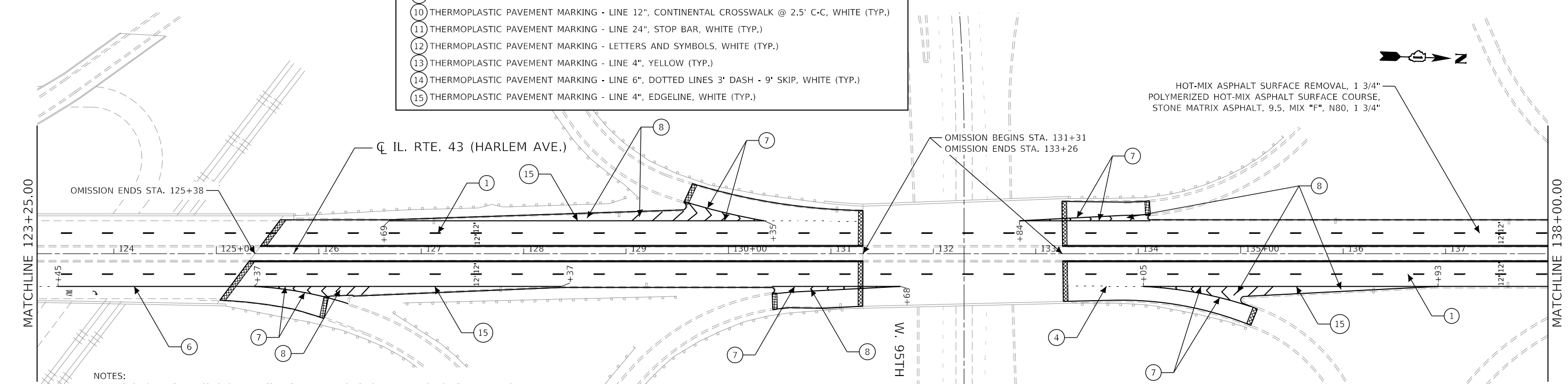
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-114-R5&SW	COOK	97	17
CONTRACT NO. 62L92				
ILLINOIS FED. AID PROJECT				

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- ① THERMOPLASTIC PAVEMENT MARKING - LINE 4", CENTERLINE 10' DASH - 30' SKIP, WHITE (TYP.)
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4", 10' DASH - 30' SKIP, YELLOW (TYP.)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4", DOUBLE LINES @ 11" C-C, YELLOW (TYP.)
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- ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 12", 45 DEG. DIAGONAL LINES @ 50'/75' C-C, YELLOW (TYP.)
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- ⑪ THERMOPLASTIC PAVEMENT MARKING - LINE 24", STOP BAR, WHITE (TYP.)
- ⑫ THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS, WHITE (TYP.)
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- NOTES:**
1. LIMIT OF RESURFACING ON THE SIDE STREET THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER/TECHNICIAN.
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 4. ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH TC-11 "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" STANDARD DETAIL.

- X TREE REMOVAL
- TC TREE CARE
- TP TREE PRUNING > 10" DIAMETER
- [Pattern] SELECTIVE CLEARING & INTERSEEDING, CLASS 4
- [Pattern] MOWING (SPECIAL) & INTERSEEDING, CLASS 4

- [Pattern] HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- [ADA] FULL ADA DESIGN, SEE DETAILS
- [PD-XXX] ADA DESIGN BY D1 STANDARD

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PLOT SCALE = 100.0000' / in.	DRAWN - BJ	REVISED -
PLOT DATE = 5/6/2021	CHECKED - BA	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

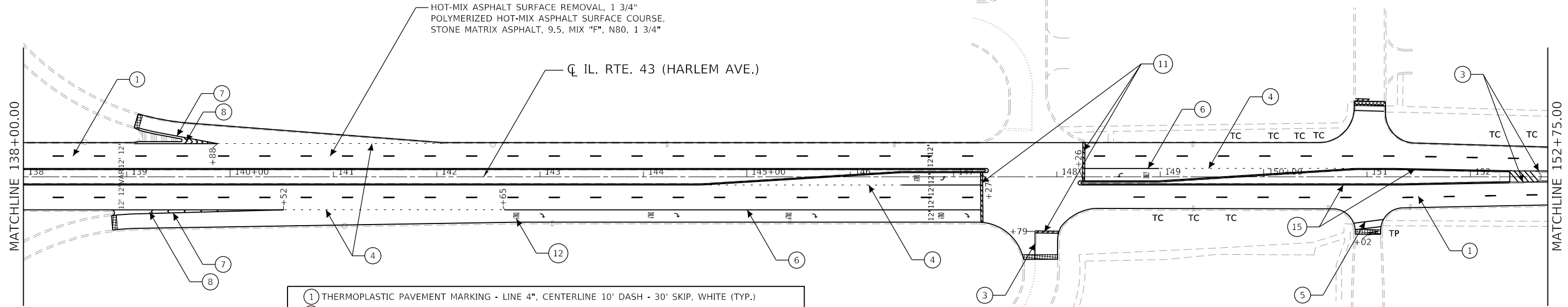
ROADWAY AND PAVEMENT MARKING PLANS
IL. RTE. 43 (HARLEM AVE.) (111TH ST. TO 62ND ST.)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-114-R5&SW	COOK	97	18
CONTRACT NO. 62L92				
ILLINOIS FED. AID PROJECT				

W. 92ND PLACE

W. 92ND STREET



- ① THERMOPLASTIC PAVEMENT MARKING - LINE 4", CENTERLINE 10' DASH - 30' SKIP, WHITE (TYP.)
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4", 10' DASH - 30' SKIP, YELLOW (TYP.)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4", DOUBLE LINES @ 11" C-C, YELLOW (TYP.)
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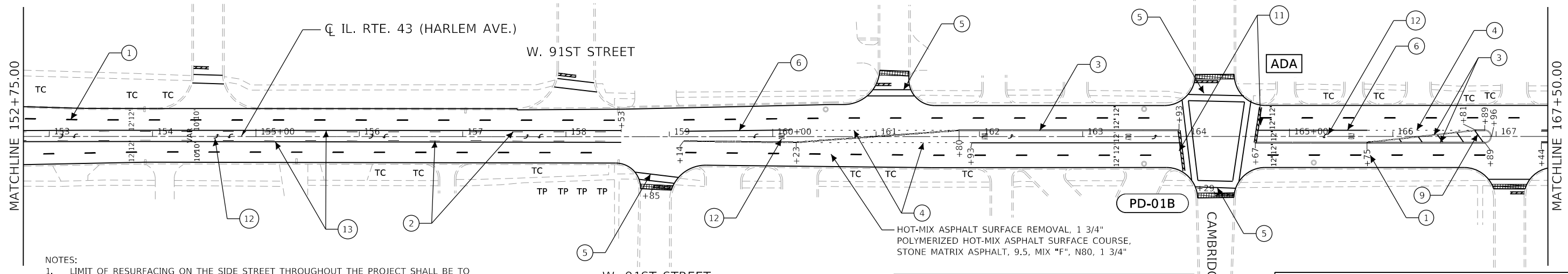
STANFORD DRIVE

SOUTHFIELD DRIVE

W. 91ST PLACE

W. 90TH PLACE

W. 90TH STREET



ADA

PD-01B

- X TREE REMOVAL
- TC TREE CARE
- TP TREE PRUNING > 10" DIAMETER
- [Pattern] SELECTIVE CLEARING & INTERSEEDING, CLASS 4
- [Pattern] MOWING (SPECIAL) & INTERSEEDING, CLASS 4

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- [ADA] FULL ADA DESIGN, SEE DETAILS
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NOTES:

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY AND PAVEMENT MARKING PLANS
IL. RTE. 43 (HARLEM AVE.) (111TH ST. TO 62ND ST.)

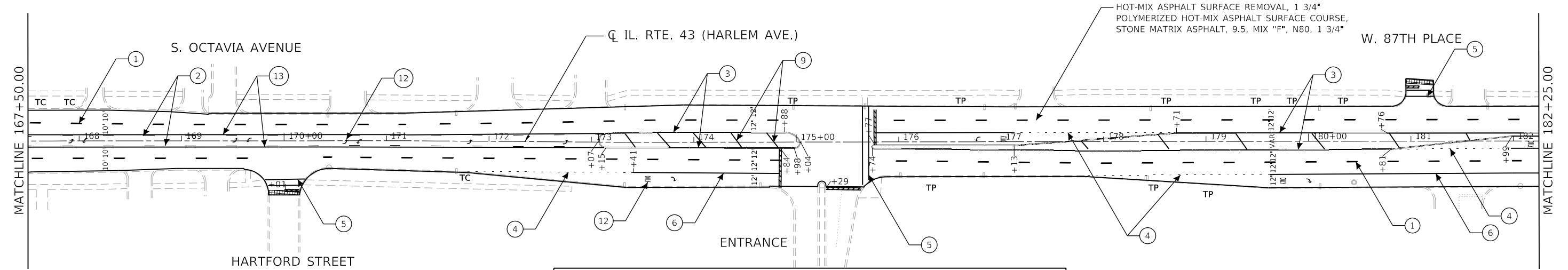
AEG ATLAS ENGINEERING GROUP, LTD.

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PLOT DATE = 5/6/2021	CHECKED - BA	REVISED -
	DATE -	REVISED -

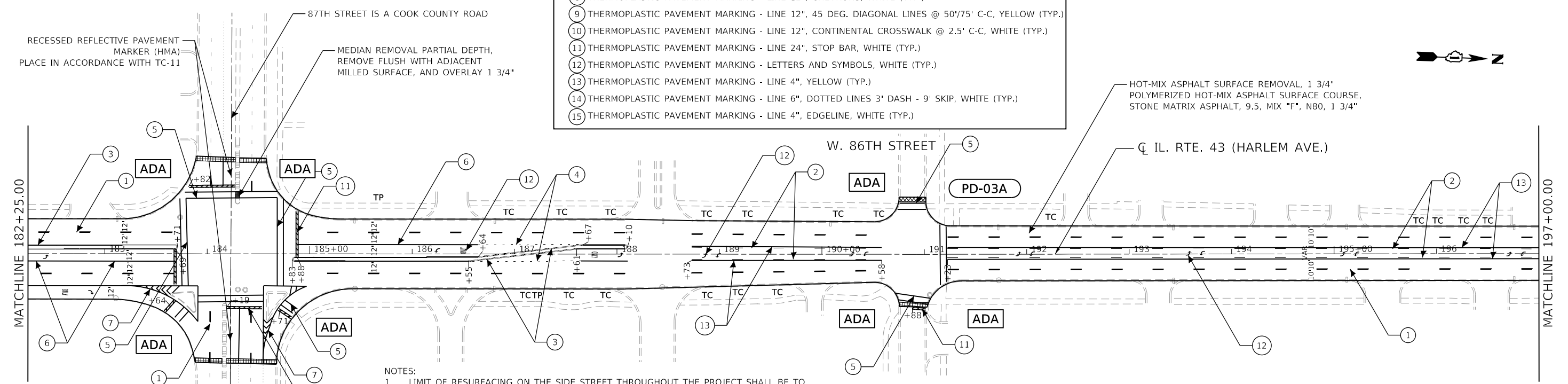
F.A.P. RTE. 348	SECTION 2020-114-R5&SW	COUNTY COOK	TOTAL SHEETS 97	SHEET NO. 19
CONTRACT NO. 62L92				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

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- ① THERMOPLASTIC PAVEMENT MARKING - LINE 4", CENTERLINE 10' DASH - 30' SKIP, WHITE (TYP.)
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4", 10' DASH - 30' SKIP, YELLOW (TYP.)
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- ④ THERMOPLASTIC PAVEMENT MARKING - LINE 6", DOTTED LINES 2' DASH - 6' SKIP, WHITE (TYP.)
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 6", STANDARD CROSSWALK, WHITE (TYP.)
- ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 6", TURN LANE, WHITE (TYP.)
- ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 8", GORE LINES, WHITE (TYP.)
- ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 12", CHEVRONS, WHITE (TYP.)
- ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 12", 45 DEG. DIAGONAL LINES @ 50'/75' C-C, YELLOW (TYP.)
- ⑩ THERMOPLASTIC PAVEMENT MARKING - LINE 12", CONTINENTAL CROSSWALK @ 2.5' C-C, WHITE (TYP.)
- ⑪ THERMOPLASTIC PAVEMENT MARKING - LINE 24", STOP BAR, WHITE (TYP.)
- ⑫ THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS, WHITE (TYP.)
- ⑬ THERMOPLASTIC PAVEMENT MARKING - LINE 4", YELLOW (TYP.)
- ⑭ THERMOPLASTIC PAVEMENT MARKING - LINE 6", DOTTED LINES 3' DASH - 9' SKIP, WHITE (TYP.)
- ⑮ THERMOPLASTIC PAVEMENT MARKING - LINE 4", EDGELINE, WHITE (TYP.)



NOTES:

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

X	TREE REMOVAL
TC	TREE CARE
TP	TREE PRUNING > 10" DIAMETER
	SELECTIVE CLEARING & INTERSEEDING, CLASS 4
	MOWING (SPECIAL) & INTERSEEDING, CLASS 4

	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
	FULL ADA DESIGN, SEE DETAILS
	ADA DESIGN BY D1 STANDARD

AEG ATLAS ENGINEERING GROUP, LTD.

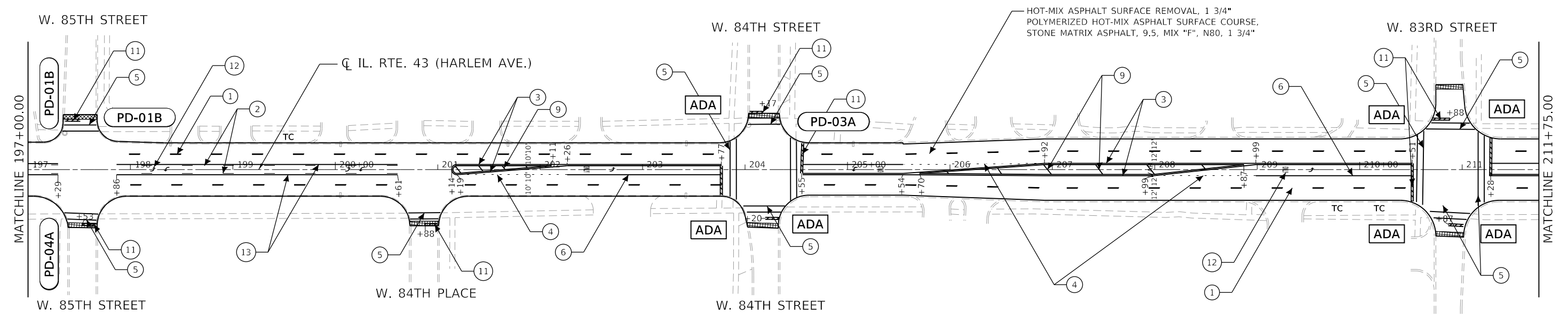
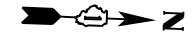
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

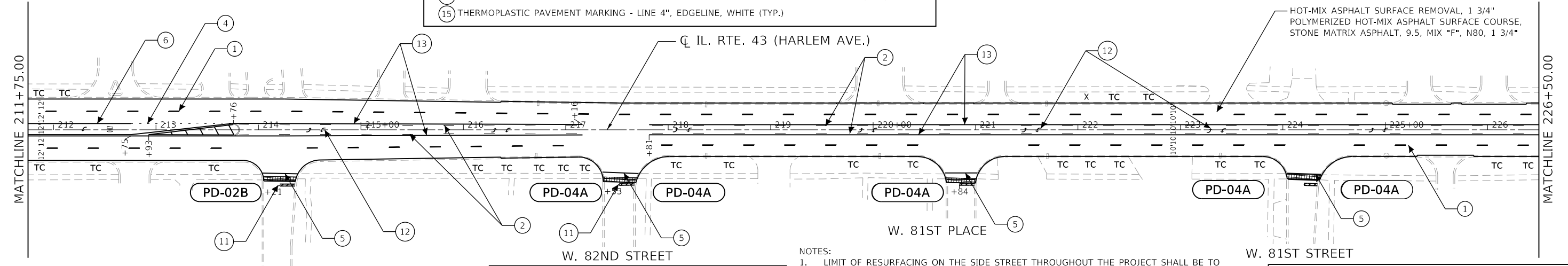
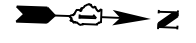
**ROADWAY AND PAVEMENT MARKING PLANS
IL. RTE. 43 (HARLEM AVE.) (111TH ST. TO 62ND ST.)**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-114-R5&SW	COOK	97	20
CONTRACT NO. 62L92				
ILLINOIS FED. AID PROJECT				

MODEL: Default
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- ① THERMOPLASTIC PAVEMENT MARKING - LINE 4", CENTERLINE 10' DASH - 30' SKIP, WHITE (TYP.)
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4", 10' DASH - 30' SKIP, YELLOW (TYP.)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4", DOUBLE LINES @ 11" C-C, YELLOW (TYP.)
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- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 6", STANDARD CROSSWALK, WHITE (TYP.)
- ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 6", TURN LANE, WHITE (TYP.)
- ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 8", GORE LINES, WHITE (TYP.)
- ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 12", CHEVRONS, WHITE (TYP.)
- ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 12", 45 DEG. DIAGONAL LINES @ 50'/75' C-C, YELLOW (TYP.)
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- ⑫ THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS, WHITE (TYP.)
- ⑬ THERMOPLASTIC PAVEMENT MARKING - LINE 4", YELLOW (TYP.)
- ⑭ THERMOPLASTIC PAVEMENT MARKING - LINE 6", DOTTED LINES 3' DASH - 9' SKIP, WHITE (TYP.)
- ⑮ THERMOPLASTIC PAVEMENT MARKING - LINE 4", EDGE LINE, WHITE (TYP.)



- X TREE REMOVAL
- TC TREE CARE
- TP TREE PRUNING > 10" DIAMETER
- SELECTIVE CLEARING & INTERSEEDING, CLASS 4
- MOWING (SPECIAL) & INTERSEEDING, CLASS 4

- NOTES:
1. LIMIT OF RESURFACING ON THE SIDE STREET THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER/TECHNICIAN.
 2. ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKINGS (OF THE EXTRUDED TYPE). EXCEPT MODIFIED URETHANE PAVEMENT MARKINGS SHALL BE USED ON PCC PAVEMENT AND ON COOK COUNTY ROADS.
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- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- FULL ADA DESIGN, SEE DETAILS
- ADA DESIGN BY D1 STANDARD

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AEG ATLAS ENGINEERING GROUP, LTD.

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PLOT SCALE = 100.0000' / in.	DRAWN - BJ	REVISED -
PLOT DATE = 3/18/2021	CHECKED - BA	REVISED -
	DATE -	REVISED -

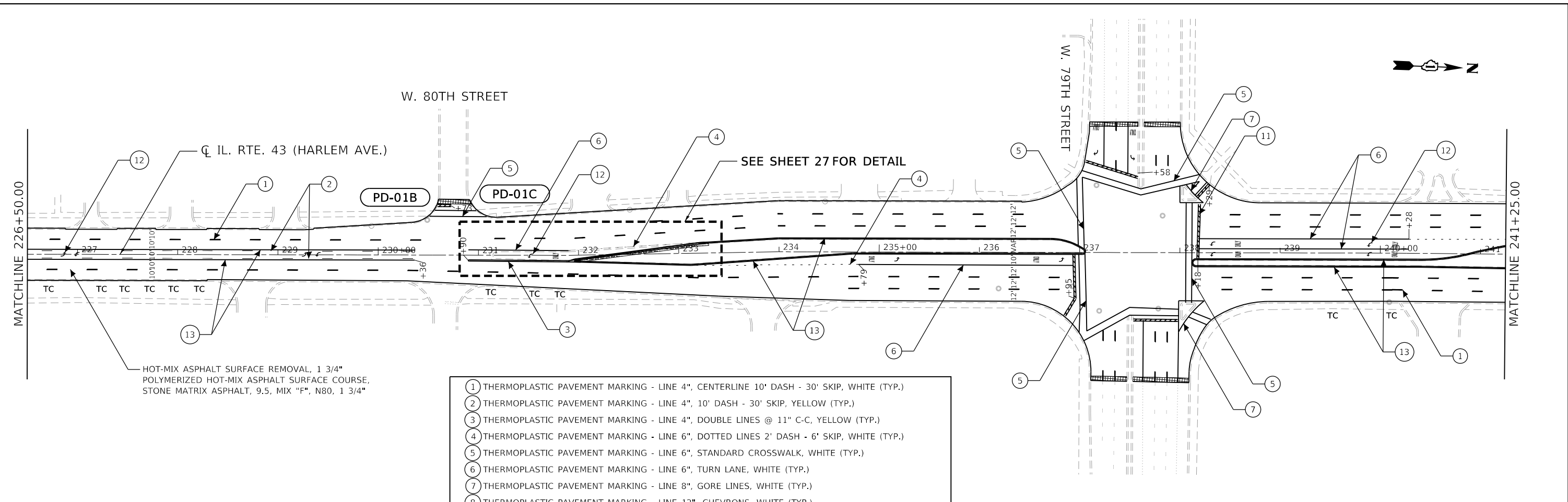
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY AND PAVEMENT MARKING PLANS
IL. RTE. 43 (HARLEM AVE.) (111TH ST. TO 62ND ST.)**

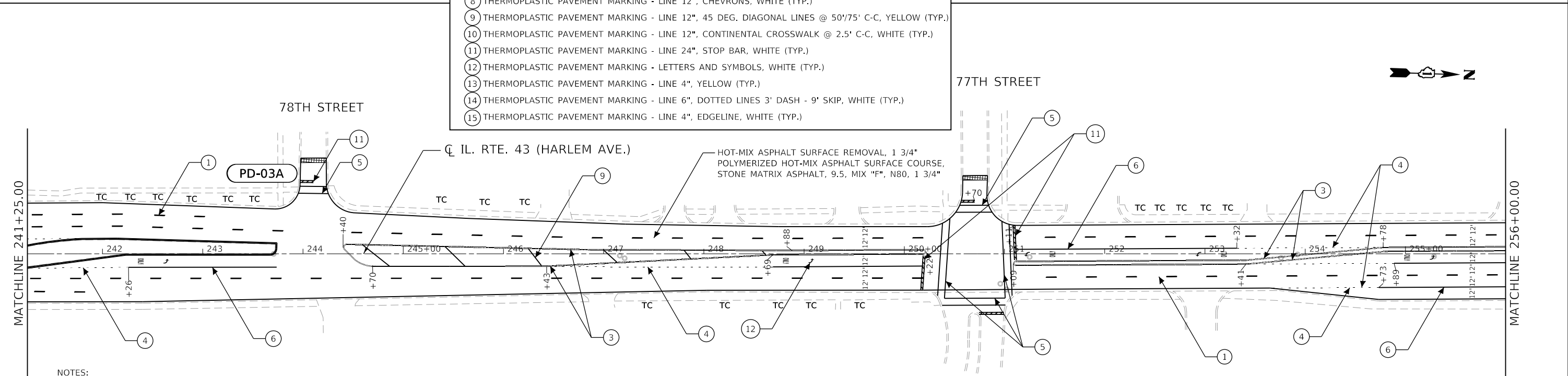
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-114-R5&SW	COOK	97	21
CONTRACT NO. 62L92				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

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- ① THERMOPLASTIC PAVEMENT MARKING - LINE 4", CENTERLINE 10' DASH - 30' SKIP, WHITE (TYP.)
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4", 10' DASH - 30' SKIP, YELLOW (TYP.)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4", DOUBLE LINES @ 11" C-C, YELLOW (TYP.)
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE 6", DOTTED LINES 2' DASH - 6' SKIP, WHITE (TYP.)
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- ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 6", TURN LANE, WHITE (TYP.)
- ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 8", GORE LINES, WHITE (TYP.)
- ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 12", CHEVRONS, WHITE (TYP.)
- ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 12", 45 DEG. DIAGONAL LINES @ 50'/75' C-C, YELLOW (TYP.)
- ⑩ THERMOPLASTIC PAVEMENT MARKING - LINE 12", CONTINENTAL CROSSWALK @ 2.5' C-C, WHITE (TYP.)
- ⑪ THERMOPLASTIC PAVEMENT MARKING - LINE 24", STOP BAR, WHITE (TYP.)
- ⑫ THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS, WHITE (TYP.)
- ⑬ THERMOPLASTIC PAVEMENT MARKING - LINE 4", YELLOW (TYP.)
- ⑭ THERMOPLASTIC PAVEMENT MARKING - LINE 6", DOTTED LINES 3' DASH - 9' SKIP, WHITE (TYP.)
- ⑮ THERMOPLASTIC PAVEMENT MARKING - LINE 4", EDGELINE, WHITE (TYP.)



- NOTES:
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X	TREE REMOVAL
TC	TREE CARE
TP	TREE PRUNING > 10" DIAMETER
[Pattern]	SELECTIVE CLEARING & INTERSEEDING, CLASS 4
[Pattern]	MOWING (SPECIAL) & INTERSEEDING, CLASS 4

[Pattern]	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
ADA	FULL ADA DESIGN, SEE DETAILS
PD-XXX	ADA DESIGN BY D1 STANDARD

AEG ATLAS ENGINEERING GROUP, LTD.	USER NAME = bjamaft	DESIGNED - BJ	REVISED -
	PLOT SCALE = 100.0000' / in.	DRAWN - BJ	REVISED -
	PLOT DATE = 3/18/2021	CHECKED - BA	REVISED -
		DATE -	REVISED -

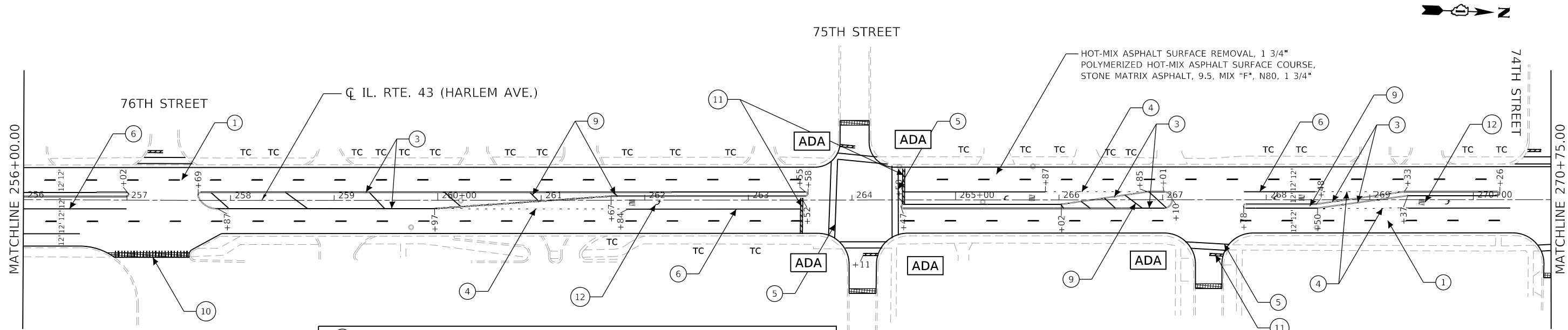
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY AND PAVEMENT MARKING PLANS
 IL. RTE. 43 (HARLEM AVE.) (111TH ST. TO 62ND ST.)**

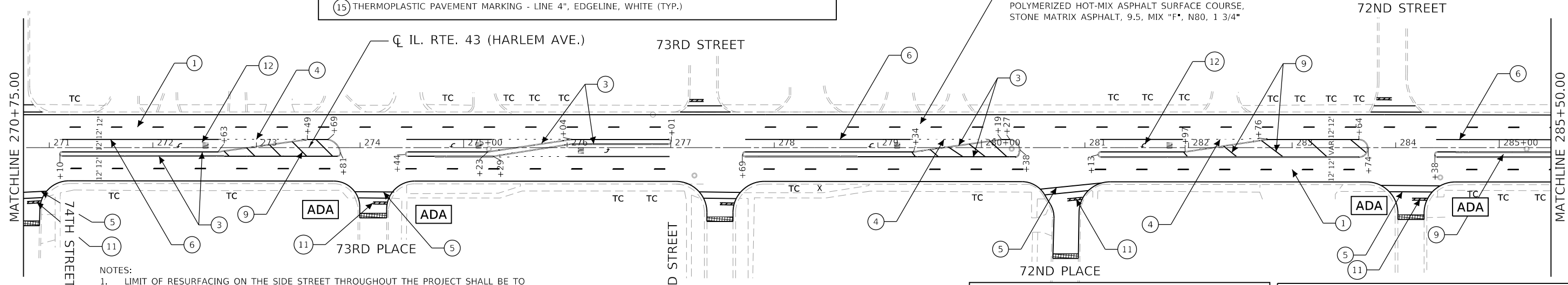
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-114-R5&SW	COOK	97	22
CONTRACT NO. 62L92				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

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- ① THERMOPLASTIC PAVEMENT MARKING - LINE 4", CENTERLINE 10' DASH - 30' SKIP, WHITE (TYP.)
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4", 10' DASH - 30' SKIP, YELLOW (TYP.)
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- NOTES:
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- X TREE REMOVAL
- TC TREE CARE
- TP TREE PRUNING > 10" DIAMETER
- [Hatched Box] SELECTIVE CLEARING & INTERSEEDING, CLASS 4
- [Dotted Box] MOWING (SPECIAL) & INTERSEEDING, CLASS 4

- [Hatched Box] HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- [ADA Box] FULL ADA DESIGN, SEE DETAILS
- [PD-XXX Box] ADA DESIGN BY D1 STANDARD

AEG ATLAS ENGINEERING GROUP, LTD.

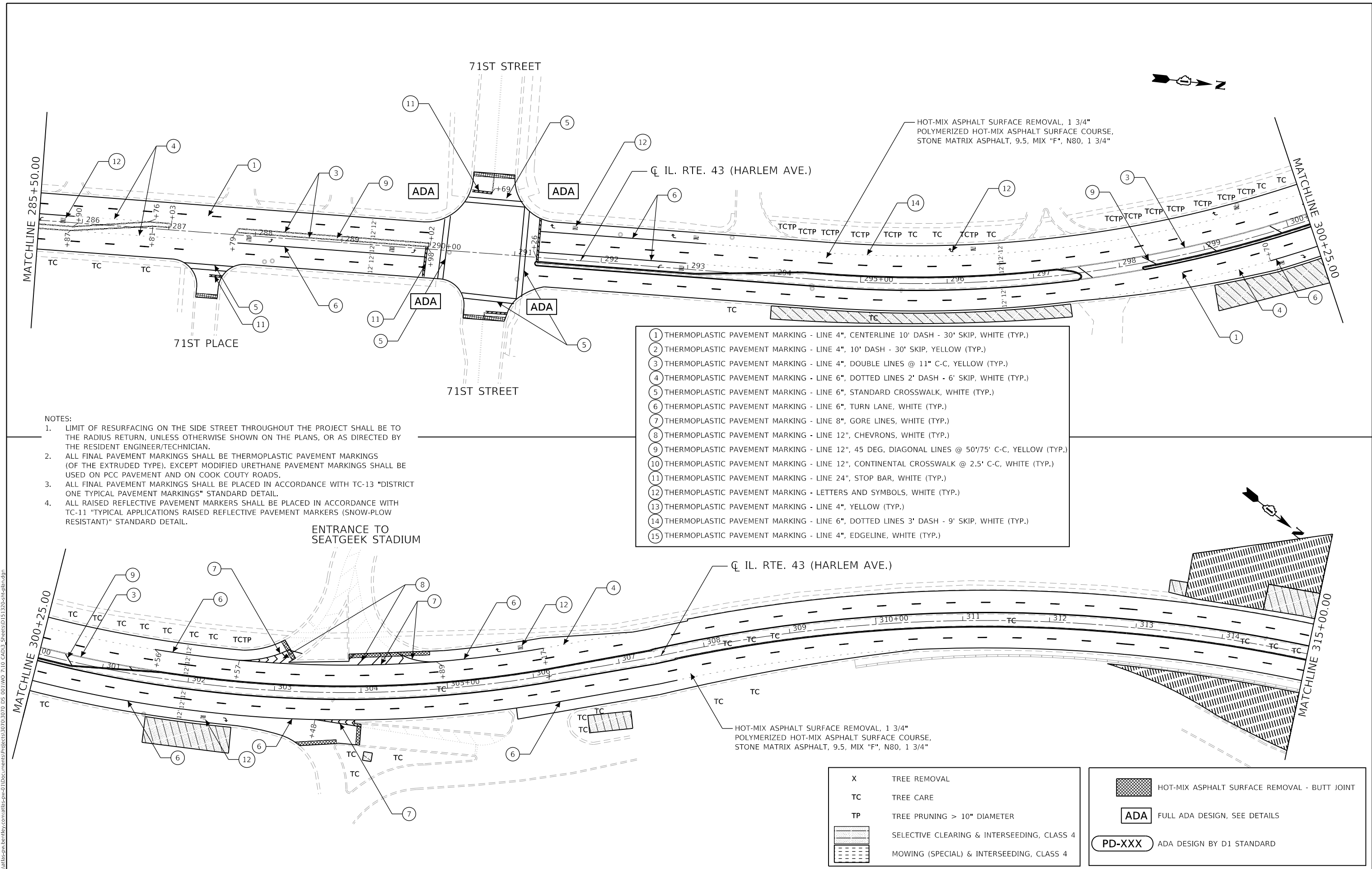
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PLOT DATE = 3/18/2021	CHECKED - BA	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY AND PAVEMENT MARKING PLANS
 IL. RTE. 43 (HARLEM AVE.) (111TH ST. TO 62ND ST.)**

F.A.P. RTE. 348	SECTION 2020-114-R5&SW	COUNTY COOK	TOTAL SHEETS 97	SHEET NO. 23
CONTRACT NO. 62L92				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.



- NOTES:**
- LIMIT OF RESURFACING ON THE SIDE STREET THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER/TECHNICIAN.
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- ① THERMOPLASTIC PAVEMENT MARKING - LINE 4", CENTERLINE 10' DASH - 30' SKIP, WHITE (TYP.)
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- ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 12", 45 DEG. DIAGONAL LINES @ 50'/75' C-C, YELLOW (TYP.)
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- X TREE REMOVAL
- TC TREE CARE
- TP TREE PRUNING > 10" DIAMETER
- [Hatched Box] SELECTIVE CLEARING & INTERSEEDING, CLASS 4
- [Dashed Box] MOWING (SPECIAL) & INTERSEEDING, CLASS 4

- [Hatched Box] HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- [ADA Box] FULL ADA DESIGN, SEE DETAILS
- [PD-XXX Box] ADA DESIGN BY D1 STANDARD

AEG ATLAS ENGINEERING GROUP, LTD.

USER NAME = bjamaft	DESIGNED - BJ	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - BJ	REVISED -
PLOT DATE = 3/18/2021	CHECKED - BA	REVISED -
	DATE -	REVISED -

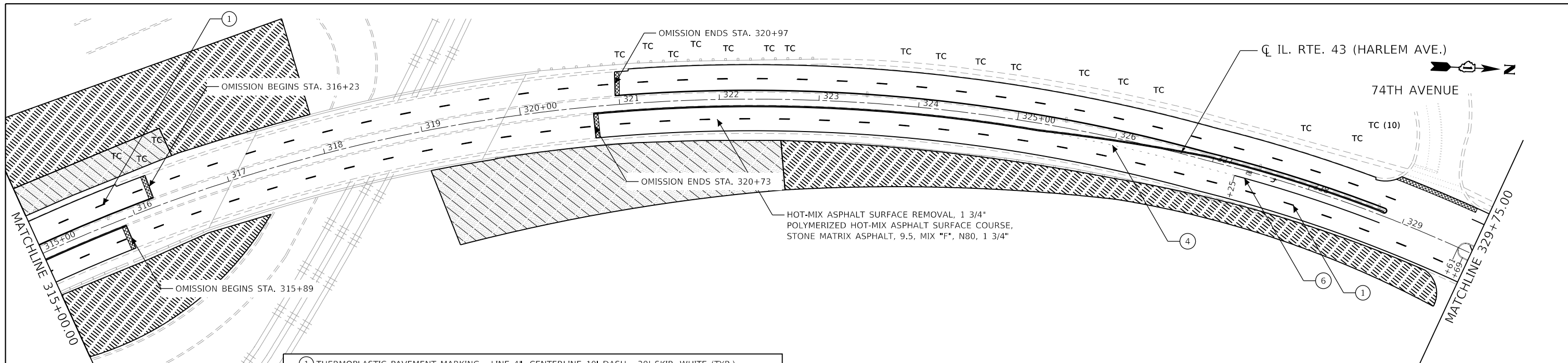
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY AND PAVEMENT MARKING PLANS
IL. RTE. 43 (HARLEM AVE.) (111TH ST. TO 62ND ST.)**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-114-R5&SW	COOK	97	24
CONTRACT NO. 62L92				
ILLINOIS FED. AID PROJECT				

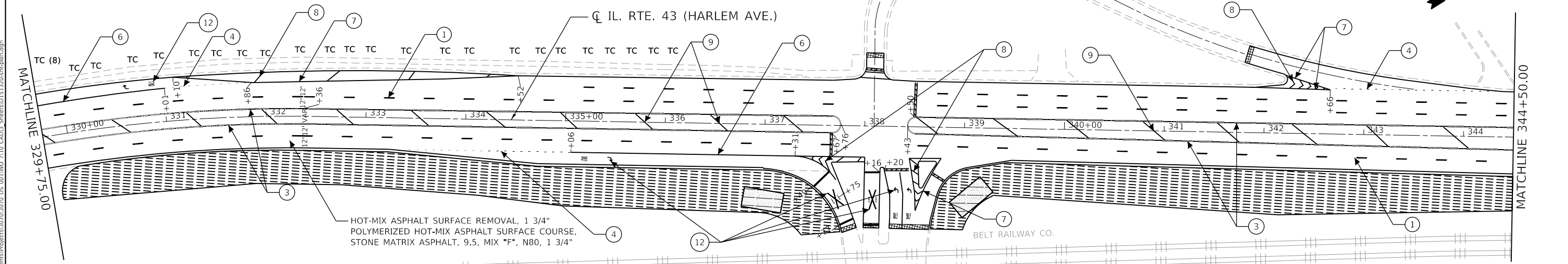
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- ① THERMOPLASTIC PAVEMENT MARKING - LINE 4", CENTERLINE 10' DASH - 30' SKIP, WHITE (TYP.)
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4", 10' DASH - 30' SKIP, YELLOW (TYP.)
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- NOTES:
1. LIMIT OF RESURFACING ON THE SIDE STREET THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER/TECHNICIAN.
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X	TREE REMOVAL
TC	TREE CARE
TP	TREE PRUNING > 10" DIAMETER
[Hatched Pattern]	SELECTIVE CLEARING & INTERSEEDING, CLASS 4
[Dotted Pattern]	MOWING (SPECIAL) & INTERSEEDING, CLASS 4

[Hatched Pattern]	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
[ADA Symbol]	FULL ADA DESIGN, SEE DETAILS
[PD-XXX Symbol]	ADA DESIGN BY D1 STANDARD

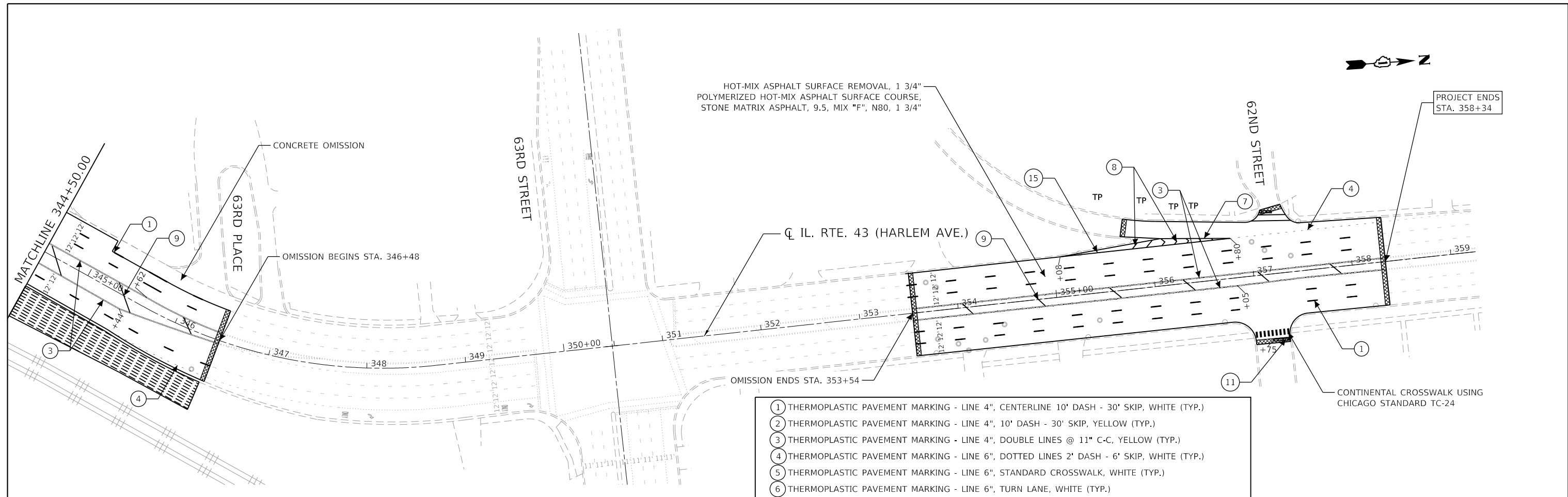
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AEG ATLAS ENGINEERING GROUP, LTD.	USER NAME = bjamafl	DESIGNED - BJ	REVISED -
	PLOT SCALE = 100.0000' / in.	DRAWN - BJ	REVISED -
	PLOT DATE = 3/18/2021	CHECKED - BA	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROADWAY AND PAVEMENT MARKING PLANS			
IL. RTE. 43 (HARLEM AVE.) (111TH ST. TO 62ND ST.)			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-114-R5&SW	COOK	97	25
CONTRACT NO. 62L92				
ILLINOIS FED. AID PROJECT				



- ① THERMOPLASTIC PAVEMENT MARKING - LINE 4", CENTERLINE 10' DASH - 30' SKIP, WHITE (TYP.)
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4", 10' DASH - 30' SKIP, YELLOW (TYP.)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4", DOUBLE LINES @ 11" C-C, YELLOW (TYP.)
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE 6", DOTTED LINES 2' DASH - 6' SKIP, WHITE (TYP.)
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 6", STANDARD CROSSWALK, WHITE (TYP.)
- ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 6", TURN LANE, WHITE (TYP.)
- ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 8", GORE LINES, WHITE (TYP.)
- ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 12", CHEVRONS, WHITE (TYP.)
- ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 12", 45 DEG. DIAGONAL LINES @ 50'/75' C-C, YELLOW (TYP.)
- ⑩ THERMOPLASTIC PAVEMENT MARKING - LINE 12", CONTINENTAL CROSSWALK @ 2.5' C-C, WHITE (TYP.)
- ⑪ THERMOPLASTIC PAVEMENT MARKING - LINE 24", STOP BAR, WHITE (TYP.)
- ⑫ THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS, WHITE (TYP.)
- ⑬ THERMOPLASTIC PAVEMENT MARKING - LINE 4", YELLOW (TYP.)
- ⑭ THERMOPLASTIC PAVEMENT MARKING - LINE 6", DOTTED LINES 3' DASH - 9' SKIP, WHITE (TYP.)
- ⑮ THERMOPLASTIC PAVEMENT MARKING - LINE 4", EDGELINE, WHITE (TYP.)

NOTES:

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

X	TREE REMOVAL
TC	TREE CARE
TP	TREE PRUNING > 10" DIAMETER
	SELECTIVE CLEARING & INTERSEEDING, CLASS 4
	MOWING (SPECIAL) & INTERSEEDING, CLASS 4

	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
	FULL ADA DESIGN, SEE DETAILS
	ADA DESIGN BY D1 STANDARD

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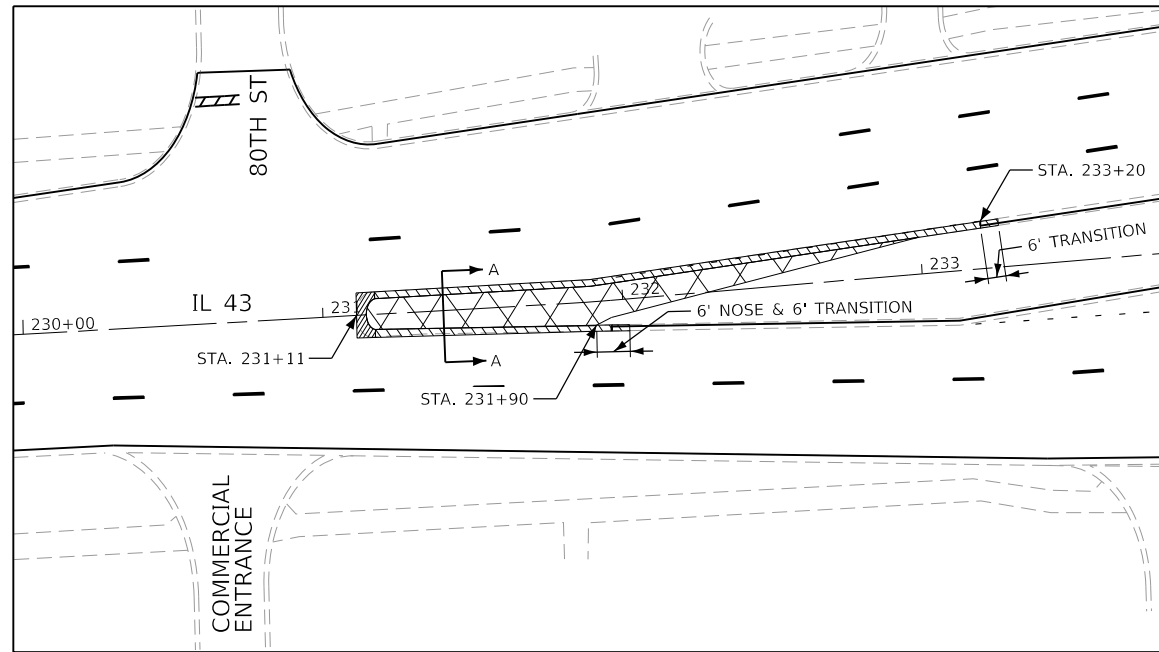
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	PLOT DATE = 3/18/2021	CHECKED - BA	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY AND PAVEMENT MARKING PLANS
IL. RTE. 43 (HARLEM AVE.) (111TH ST. TO 62ND ST.)**

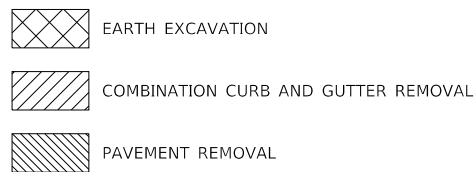
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-114-R5&SW	COOK	97	26
CONTRACT NO. 62L92				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.



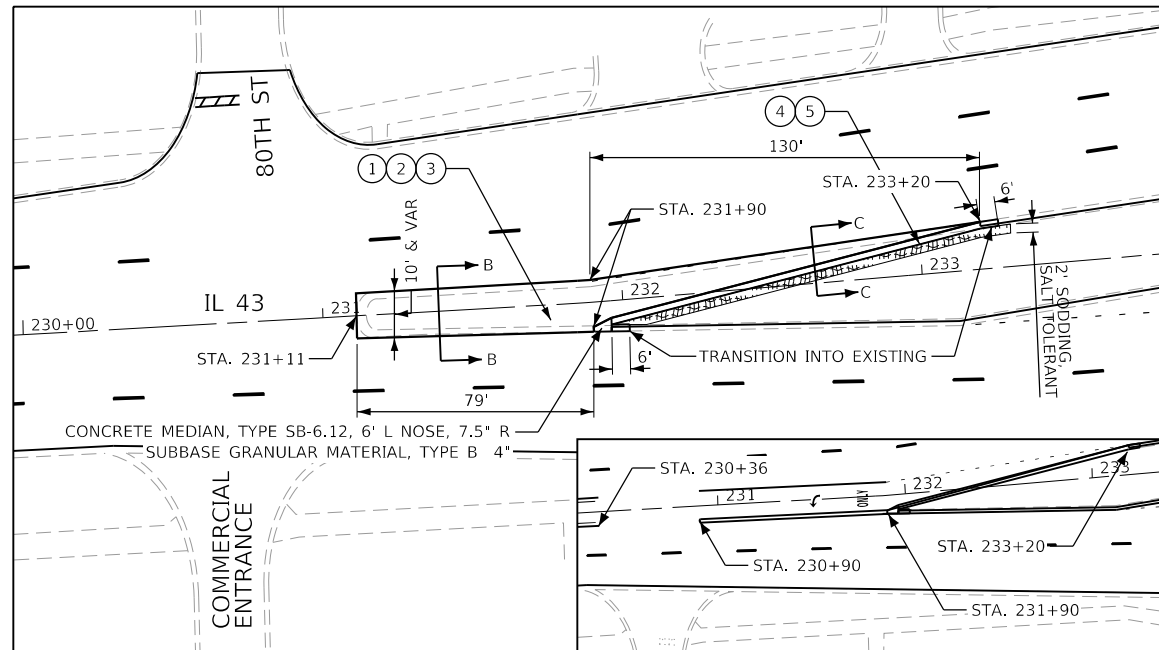
REMOVAL DETAIL

- (A) EXISTING POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1 3/4"
- (B) EXISTING POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- (C) EXISTING HOT-MIX ASPHALT SURFACE COURSE, ± 2 1/2"
- (D) EXISTING PCC PAVEMENT, 10"
- (E) EXISTING SUBGRADE
- (F) EXISTING COMBINATION CONCRETE CURB AND GUTTER
- (1) PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 1 3/4"
- (2) PROPOSED HOT-MIX ASPHALT BASE COURSE, 13 1/4"
- (3) PROPOSED AGGREGATE SUBGRADE IMPROVEMENT 12"
- (4) SUBBASE GRANULAR MATERIAL, TYPE B 4"
- (5) PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12



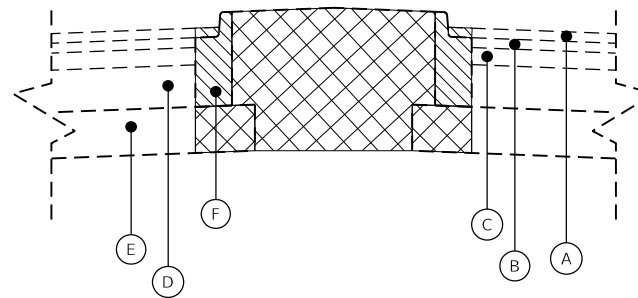
GENERAL NOTES

1. PROPOSED 10-FT MINIMUM WIDTH TURNING LANE WITH 100-FT STORAGE AND 130-FT TAPER. PART OF EXISTING PAVEMENT WILL BE USED TO MEET LENGTH REQUIREMENTS.
2. THE LANDSCAPED MEDIAN SHALL BE REMOVED TO A DEPTH EQUAL TO 12 INCHES BELOW THE BOTTOM OF ADJACENT PCC PAVEMENT.
3. EXISTING TOPOGRAPHY IS APPROXIMATE AND NOT SURVEYED; THEREFORE, OFFSETS ARE NOT PROVIDED. LANDSCAPE MEDIAN WIDTH IS VARIABLE. REMOVE AS SHOWN IN SECTION A-A BELOW.
4. PAVEMENT WIDENING TO MATCH ADJACENT GRADE AND CROSS SECTION.
5. THE EXISTING PAVEMENT SECTION IS 13 1/4" AND VARIABLE. ADJUST PROPOSED HMA BASE COURSE AS NECESSARY. THIS SHALL BE CONSIDERED INCLUDED IN THE COST FOR HOT-MIX ASPHALT BASE COURSE, 13 1/4".

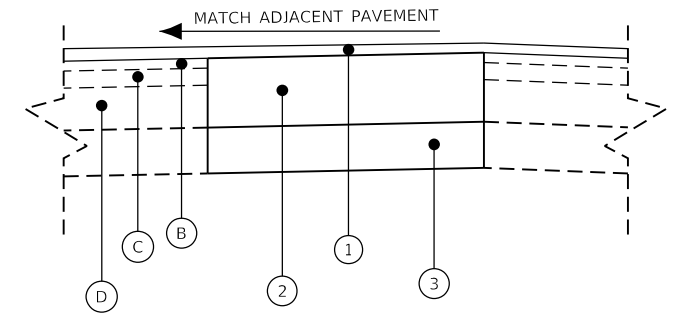


PROPOSED PAVEMENT WIDENING DETAIL

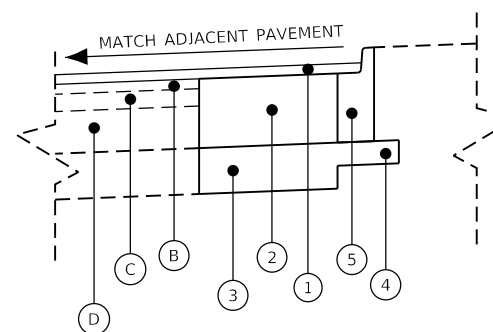
SECTION A-A



SECTION B-B



SECTION C-C



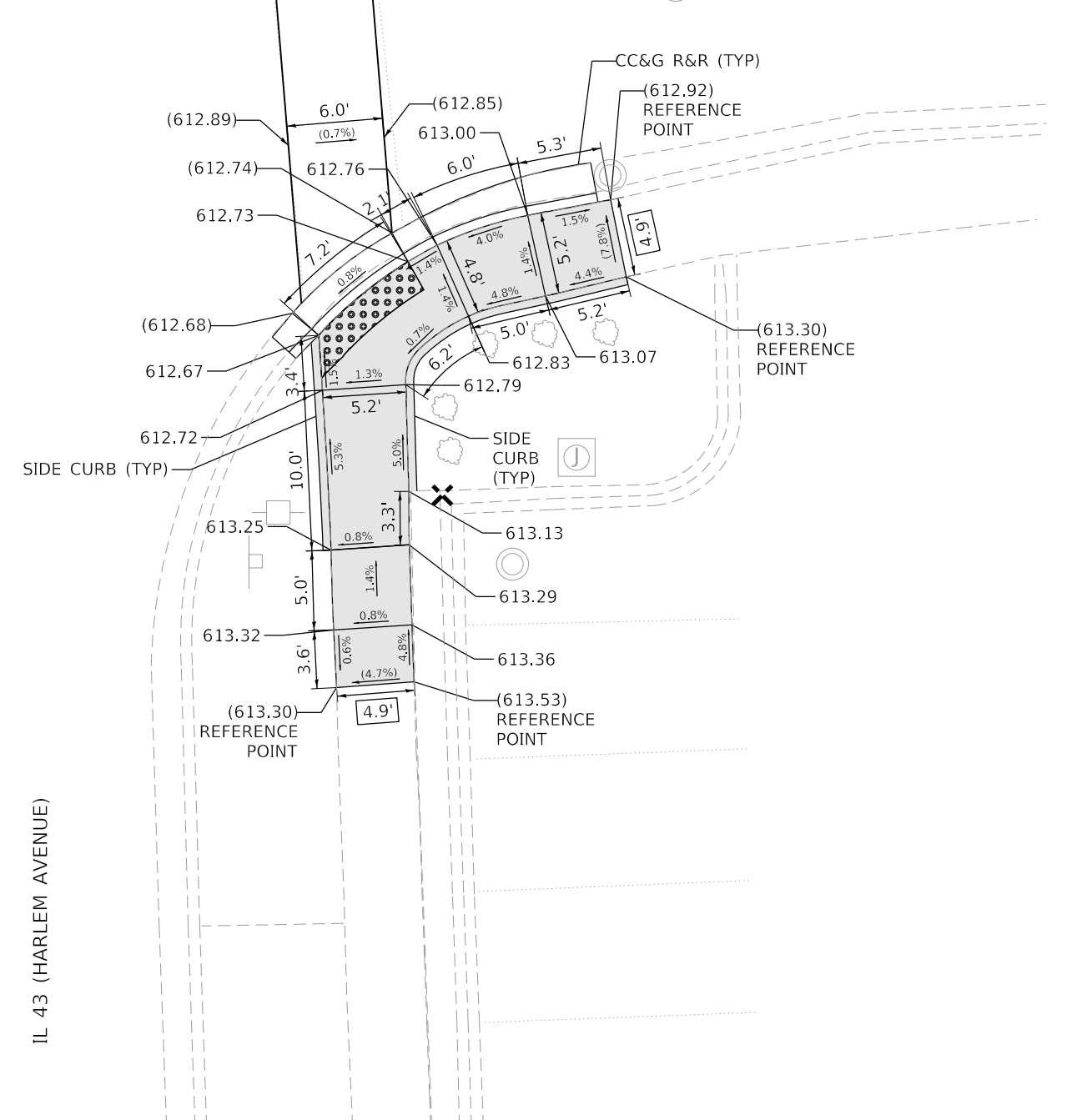
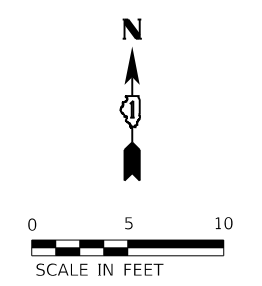
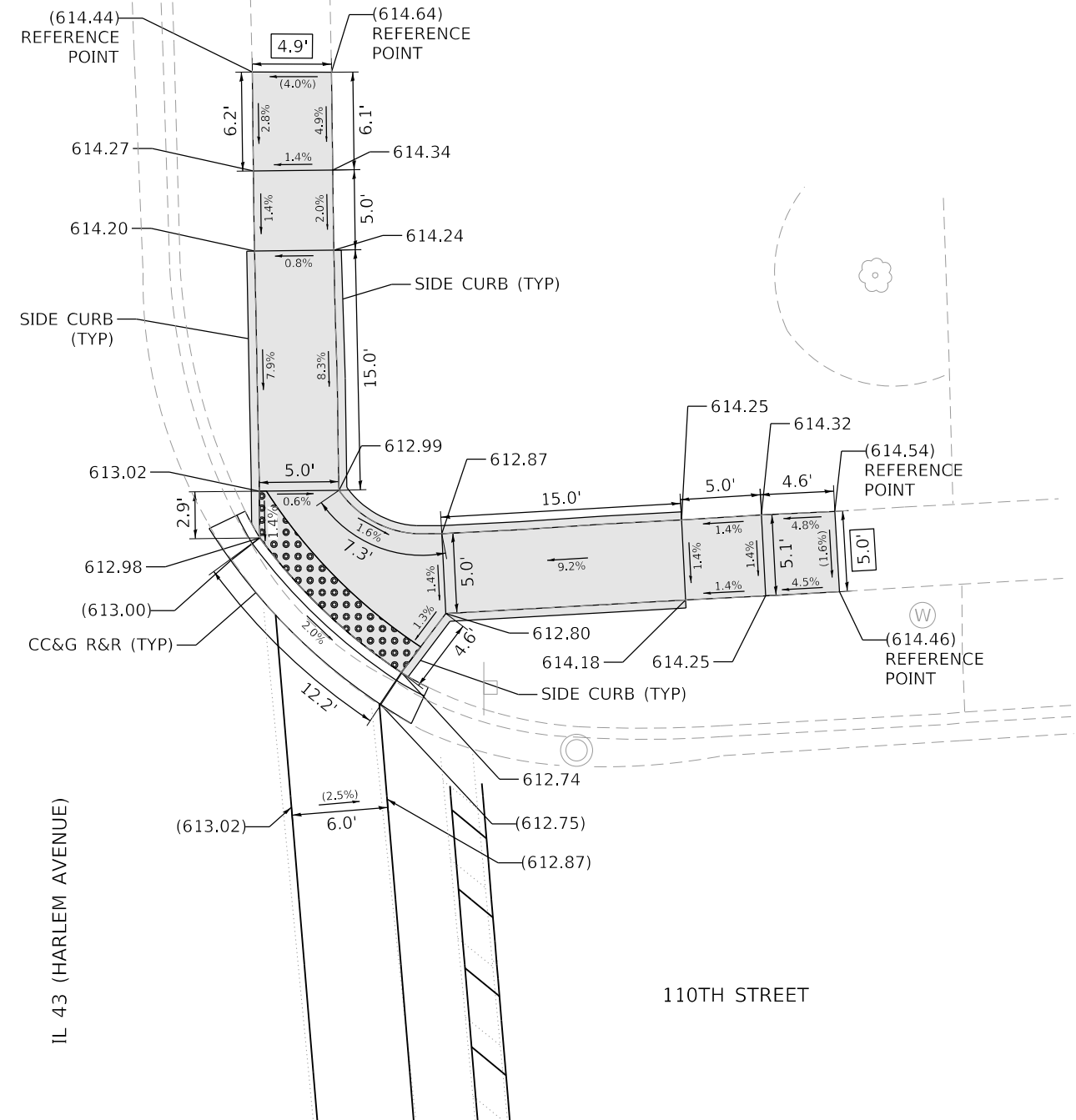
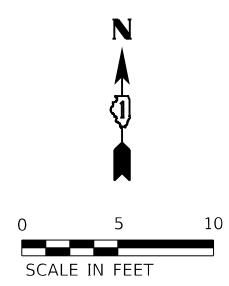
BILL OF MATERIALS			
CODE	ITEM DESCRIPTION	UNIT	TOTAL
20200100	EARTH EXCAVATION	CU YD	135
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	29
25200110	SODDING, SALT TOLERANT	SQ YD	29
25200200	SUPPLEMENTAL WATERING	UNIT	1.5
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	163
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	29
35501337	HOT-MIX ASPHALT BASE COURSE, 13 1/4"	SQ YD	163
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	37
40605026	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80	TON	16.7
44000100	PAVEMENT REMOVAL	SQ YD	5
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	294
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	137
60619600	CONCRETE MEDIAN, TYPE SB-6.12	SQ FT	12

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 USER: bjamal
 DATE: 3/18/2021

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PLOT SCALE = 100.0000' / in.	DRAWN - BJ	REVISED -
PLOT DATE = 3/18/2021	CHECKED - BA	REVISED -
	DATE -	REVISED -

LEFT TURN LANE DETAIL		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		348	2020-114-R5&SW	COOK	97	27
SCALE:		SHEET OF SHEETS		STA. TO STA.		CONTRACT NO. 62L92

ILLINOIS	FED. AID PROJECT
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LEGEND

- PROPOSED SIDEWALK
- EXISTING LENGTH
- EXISTING ELEVATION/SLOPE
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/ TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 613.91
 BENCHMARK : CUT CROSS IN CONCRETE CURB
 LOCATION : 51 FT EAST OF HARLEM AVENUE AT SW CORNER OF 110TH ST

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ADA SIDEWALK RAMP DETAILS
IL 43 (HARLEM AVENUE) AT 110TH STREET
 SCALE: 1"=5'
 SHEET OF SHEETS STA. N/A TO STA. N/A

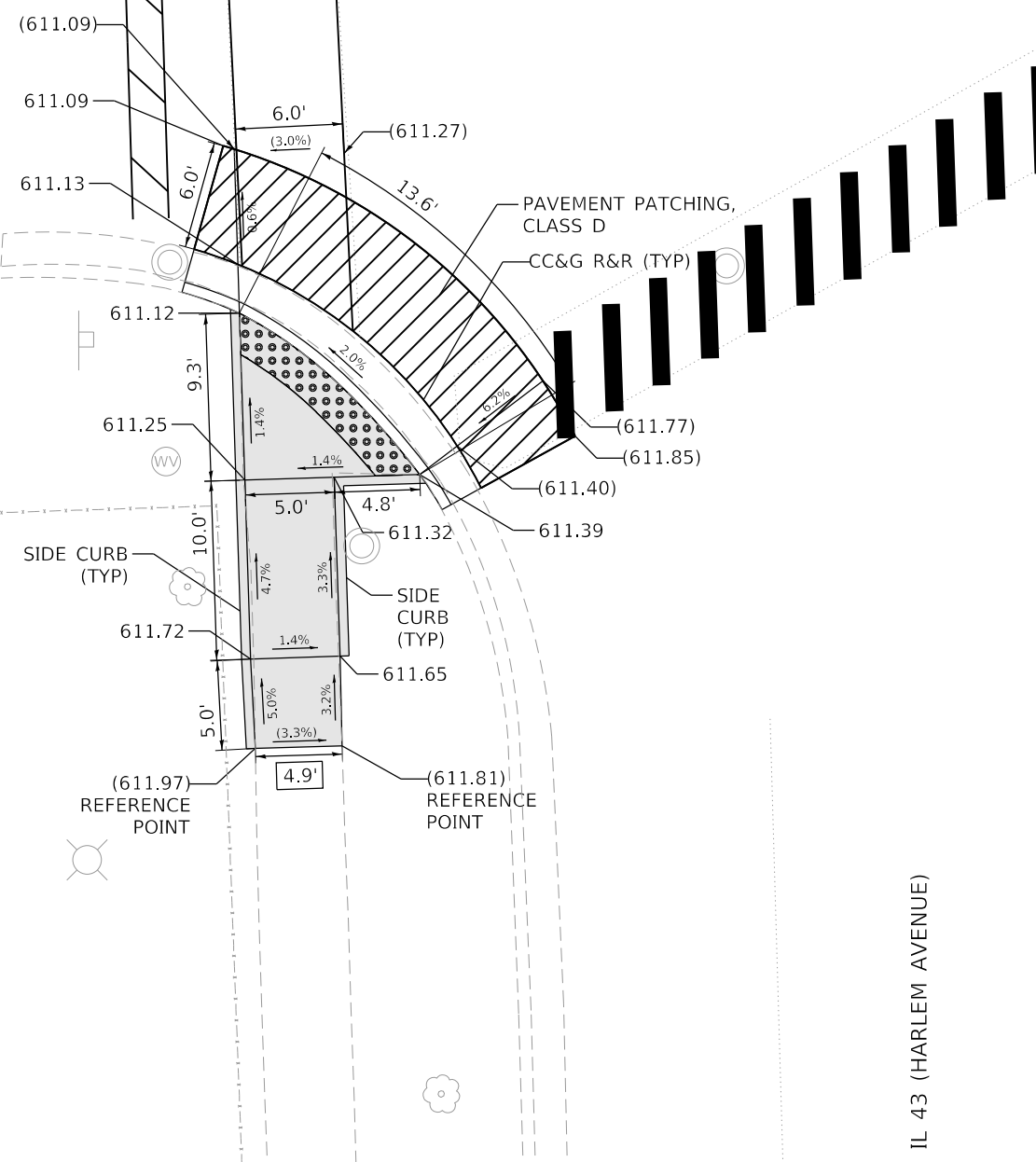
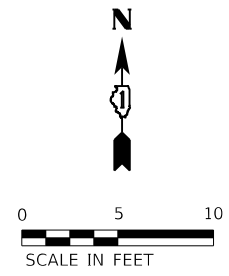
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348	2020-114-R5&SW	COOK	97	28
CONTRACT NO. 62L92				
ILLINOIS FED. AID PROJECT				

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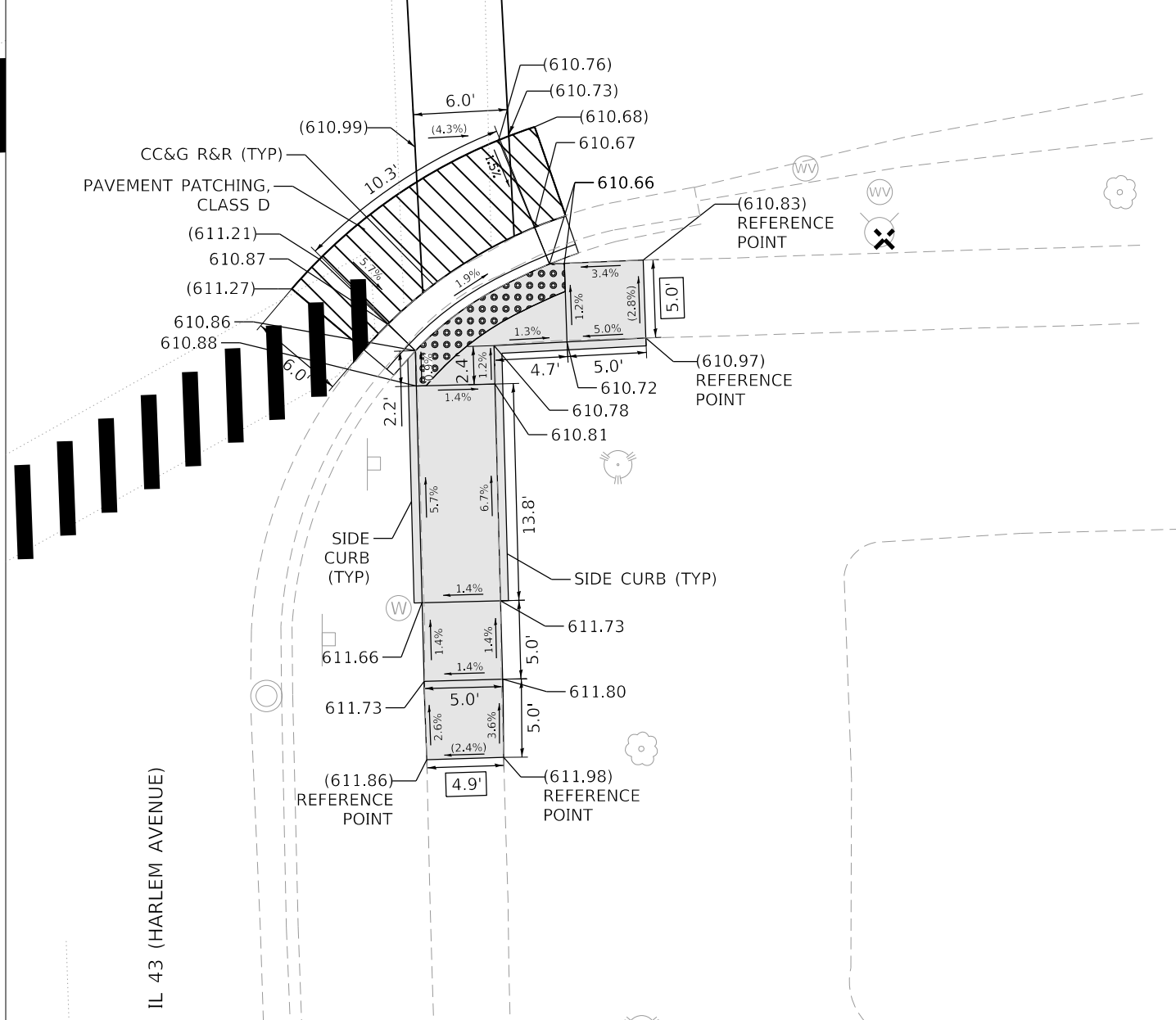
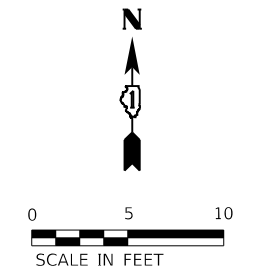
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109TH PLACE



IL 43 (HARLEM AVENUE)

109TH PLACE



IL 43 (HARLEM AVENUE)

LEGEND

- PROPOSED SIDEWALK
- EXISTING LENGTH
- EXISTING ELEVATION/SLOPE
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/ TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 610.87
 BENCHMARK : CUT CROSS ON MANHOLE RIM
 LOCATION : 59 FT WEST OF HARLEM AVENUE AT NW CORNER OF 109TH PL

MODEL: 2_109th Place South
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 PROJECT: 2020-114-R5&SW
 DATE: 3/18/2021



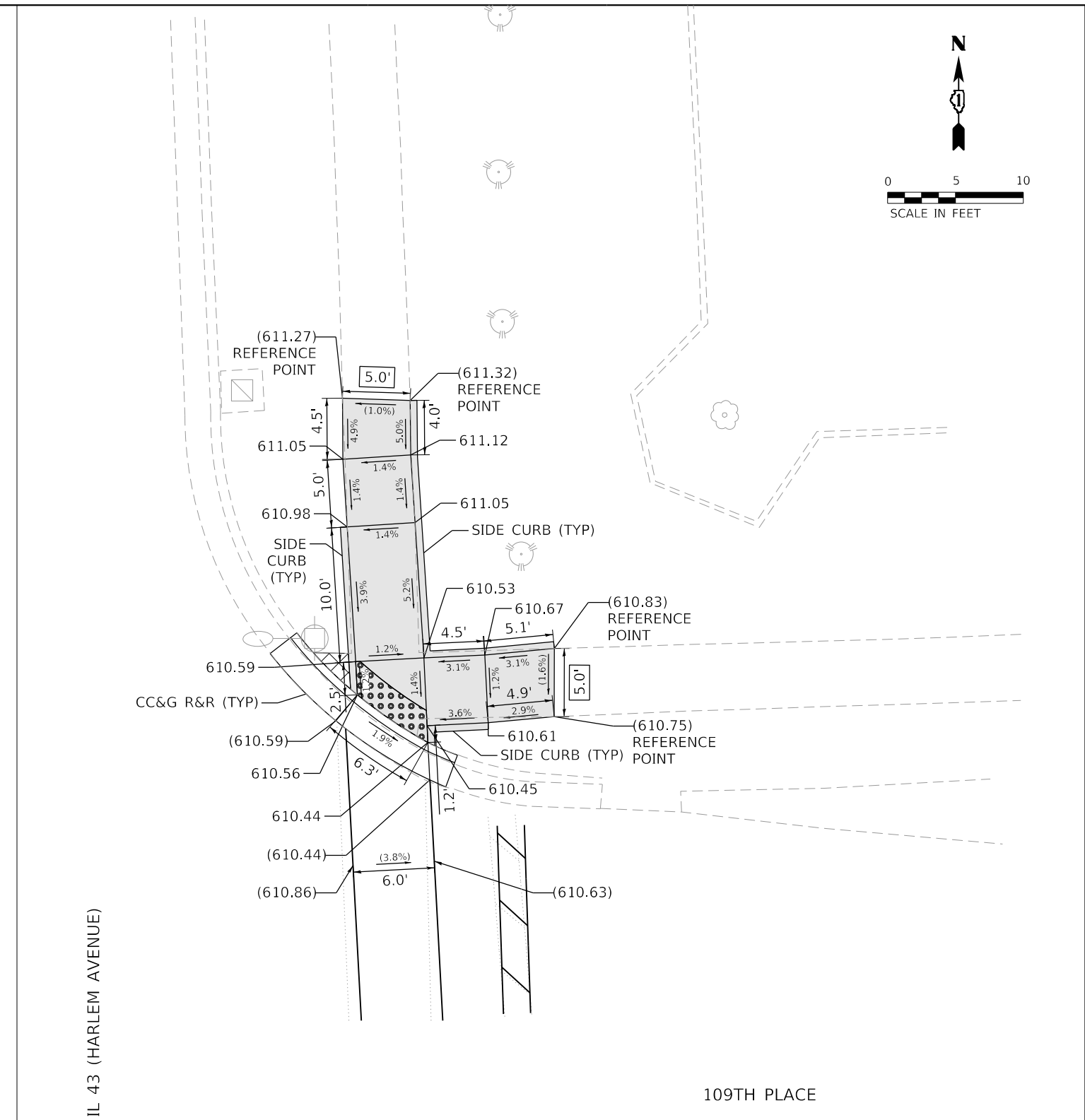
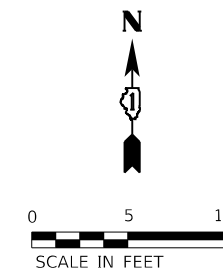
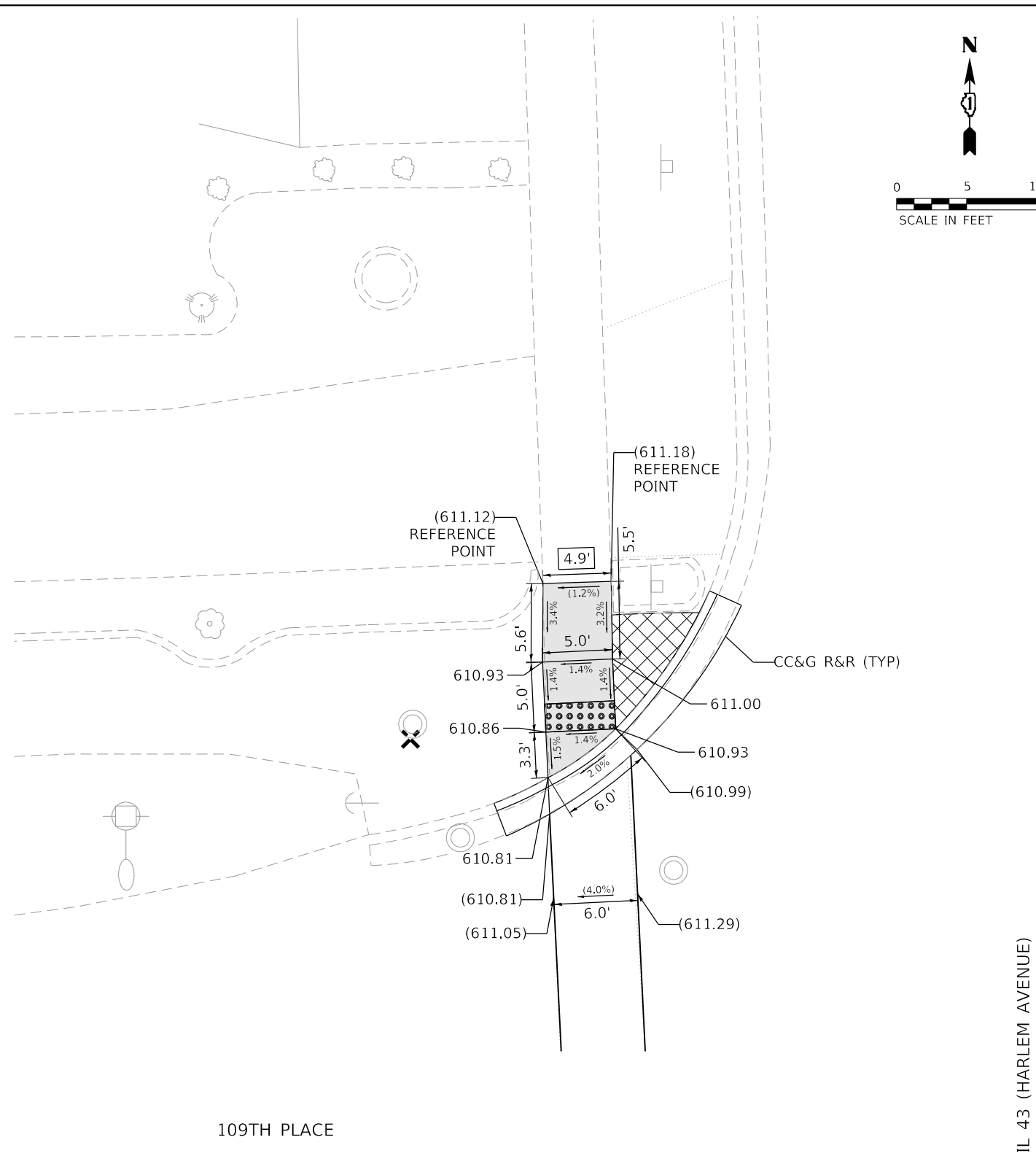
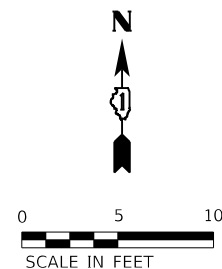
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	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA SIDEWALK RAMP DETAILS
 IL 43 (HARLEM AVENUE) AT 109TH PLACE SOUTH**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-114-R5&SW	COOK	97	29
CONTRACT NO. 62L92				
ILLINOIS FED. AID PROJECT				



LEGEND

- PROPOSED SIDEWALK
- EXISTING LENGTH
- EXISTING ELEVATION/SLOPE
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/ TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 610.87

BENCHMARK : CUT CROSS ON MANHOLE RIM

LOCATION : 59 FT WEST OF HARLEM AVENUE AT NW CORNER OF 109TH PL

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ADA SIDEWALK RAMP DETAILS
IL 43 (HARLEM AVENUE) AT 109TH PLACE NORTH**

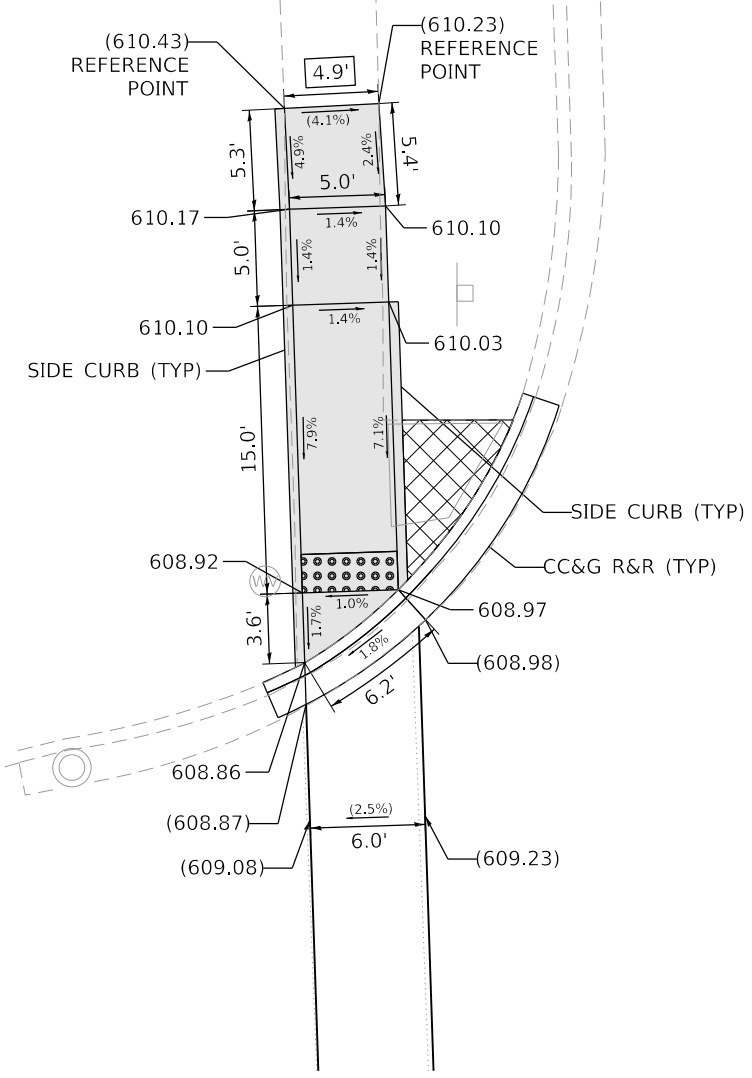
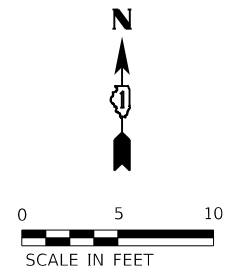


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SCALE: 1"=5' SHEET OF SHEETS STA. N/A TO STA. N/A

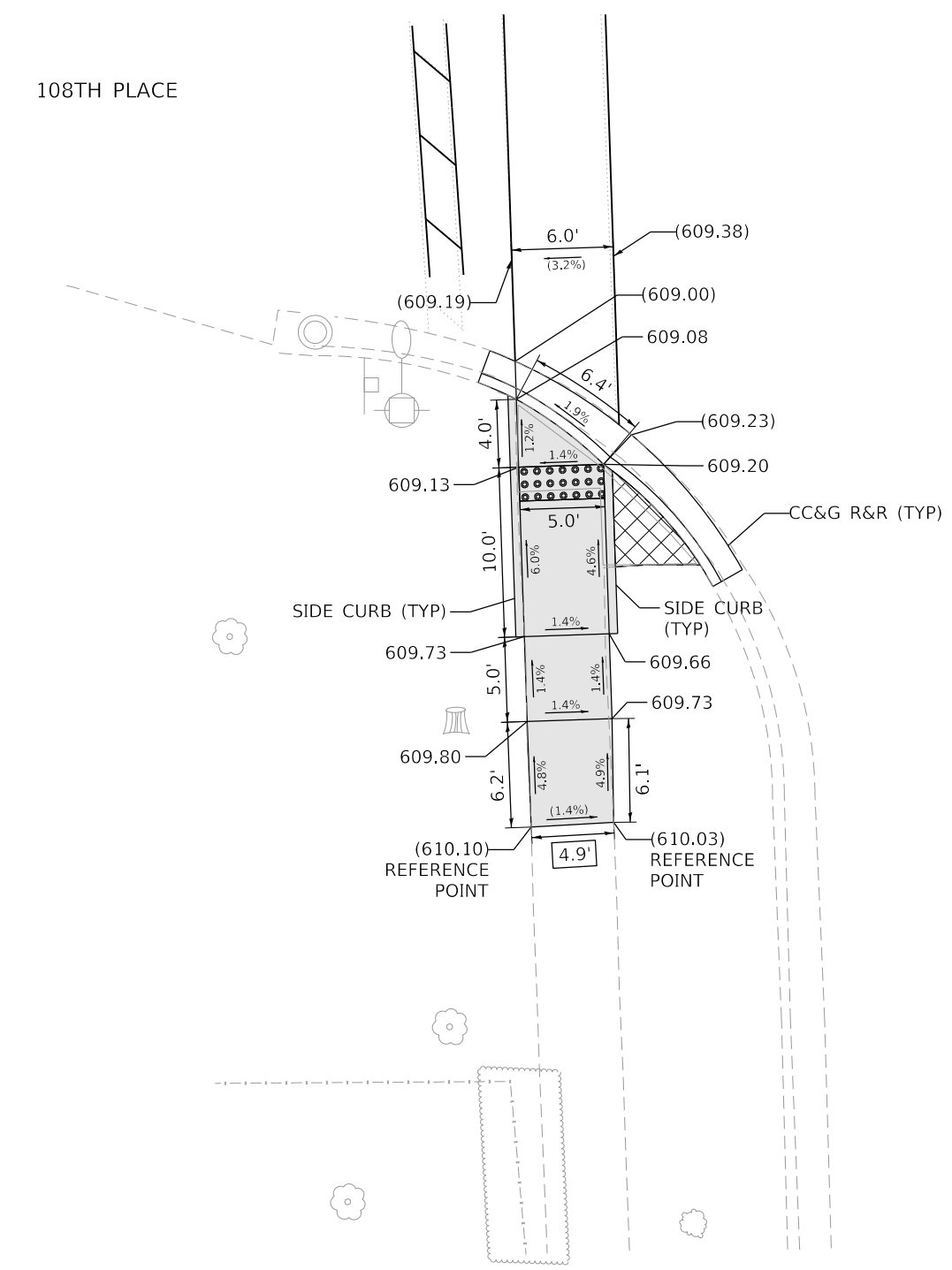
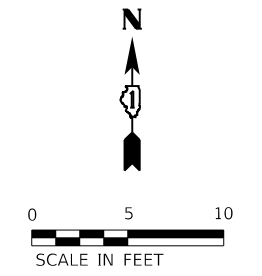
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348	2020-114-R5&SW	COOK	97	30
CONTRACT NO. 62L92				
		ILLINOIS	FED. AID PROJECT	

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SHEET: 30 OF 97
CONTRACT: 62L92



108TH PLACE






IL 43 (HARLEM AVENUE)



108TH PLACE

IL 43 (HARLEM AVENUE)

LEGEND

-  PROPOSED SIDEWALK
-  EXISTING LENGTH
-  EXISTING ELEVATION/SLOPE
-  DETECTABLE WARNINGS
-  SIDEWALK REMOVAL REPLACE W/ TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 610.90
 BENCHMARK : CUT CROSS ON NW HYDRANT FLANGE BOLT
 LOCATION : 69 FT WEST OF HARLEM AVENUE AT NW CORNER OF 108TH PL

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA SIDEWALK RAMP DETAILS
 IL 43 (HARLEM AVENUE) AT 108TH PLACE**

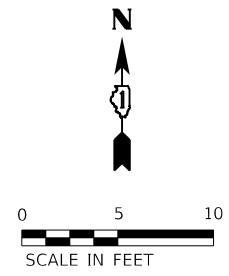
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**AEG ATLAS ENGINEERING
 GROUP, LTD.**

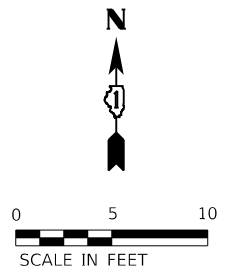
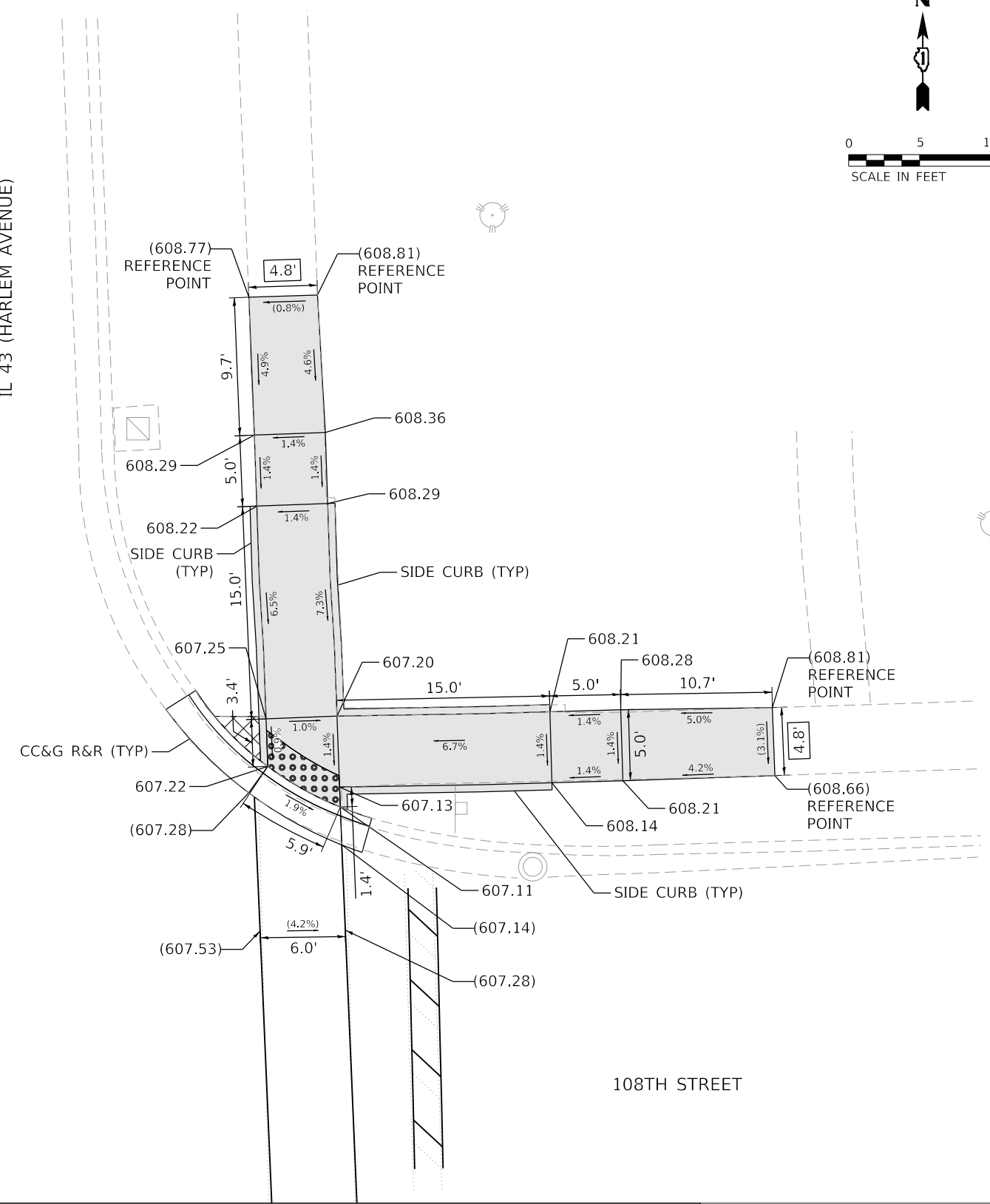
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	DATE -	REVISED -

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-114-R5&SW	COOK	97	31
CONTRACT NO. 62L92				
ILLINOIS FED. AID PROJECT				

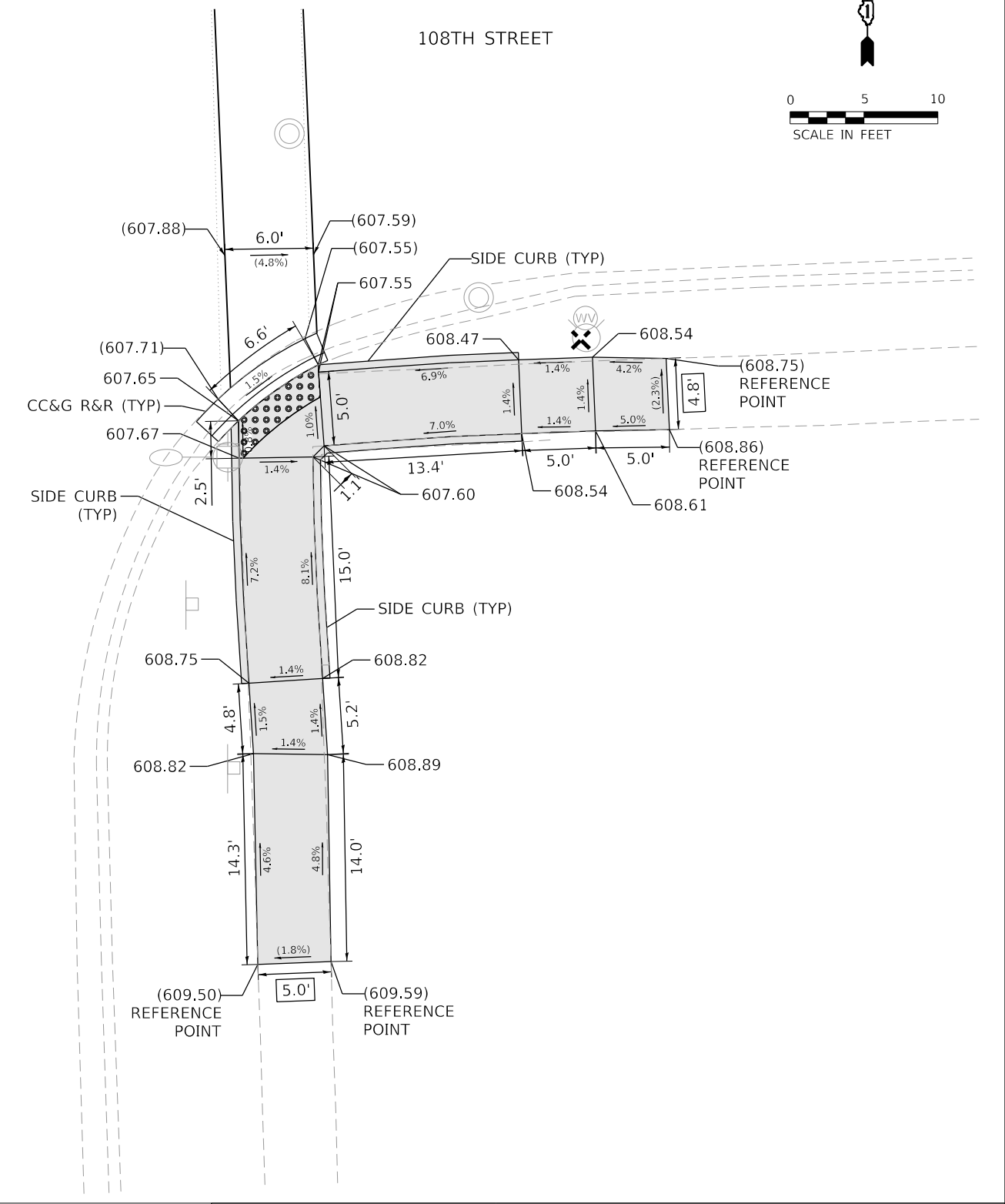


IL 43 (HARLEM AVENUE)








108TH STREET

IL 43 (HARLEM AVENUE)



LEGEND

-  PROPOSED SIDEWALK
-  DETECTABLE WARNINGS
-  EXISTING LENGTH
-  EXISTING ELEVATION/SLOPE
-  SIDEWALK REMOVAL REPLACE W/ TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 610.26
 BENCHMARK : CUT CROSS ON SW HYDRANT FLANGE BOLT
 LOCATION : 67 FT EAST OF HARLEM AVENUE AT SE CORNER OF 108TH ST

MODEL: E_108th_Street
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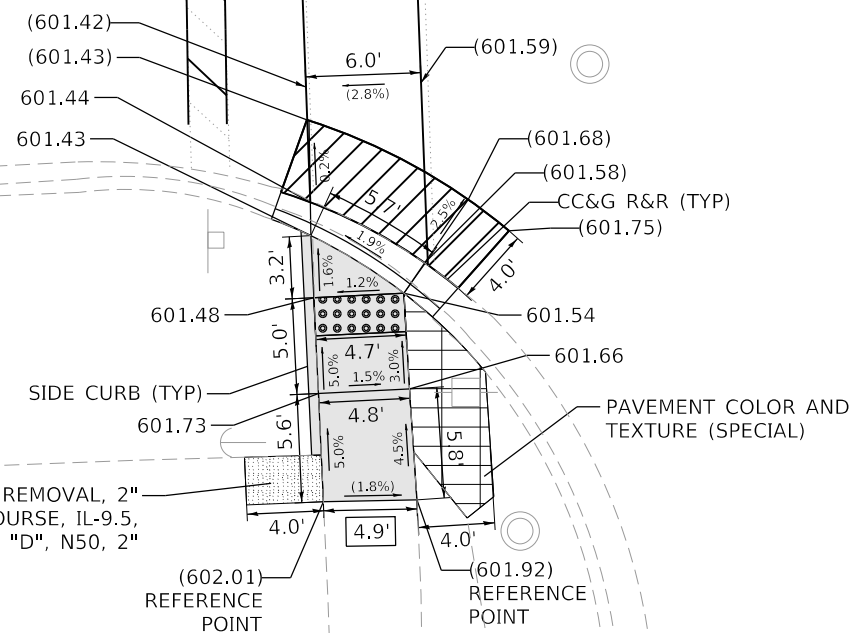
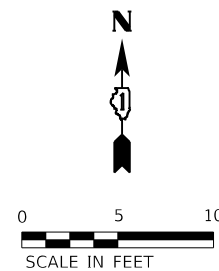
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA SIDEWALK RAMP DETAILS
 IL 43 (HARLEM AVENUE) AT 108TH STREET**

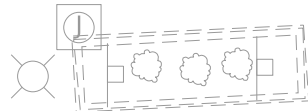
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 62L92				
ILLINOIS FED. AID PROJECT				

107TH STREET

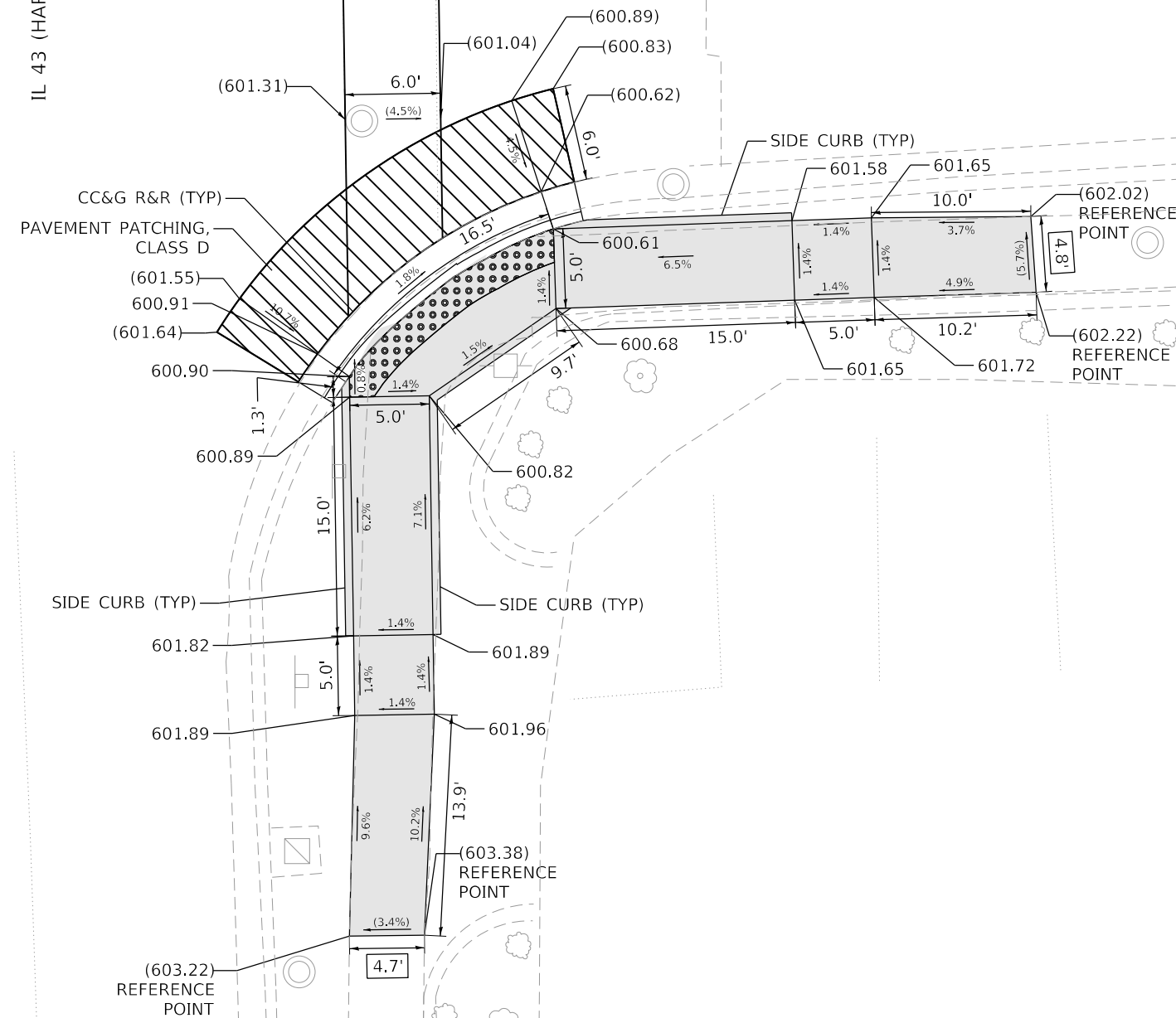
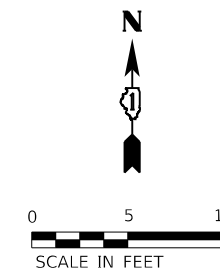


HMA SURFACE REMOVAL, 2"
HMA SURFACE COURSE, IL-9.5,
MIX "D", N50, 2"



IL 43 (HARLEM AVENUE)

107TH STREET



LEGEND



PROPOSED SIDEWALK



DETECTABLE WARNINGS



EXISTING LENGTH



SIDEWALK REMOVAL REPLACE
W/ TOPSOIL & SOD

() EXISTING ELEVATION/SLOPE

REFERENCE BENCHMARK ELEV 602.24

BENCHMARK : CUT CROSS ON SW HYDRANT FLANGE BOLT

LOCATION : 43 FT WEST OF HARLEM AVENUE AT NW CORNER OF 107TH ST

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA SIDEWALK RAMP DETAILS
IL 43 (HARLEM AVENUE) AT 107TH STREET SOUTH

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-114-R5&SW	COOK	97	33
CONTRACT NO. 62L92				

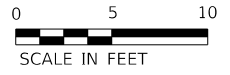
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ILLINOIS FED. AID PROJECT

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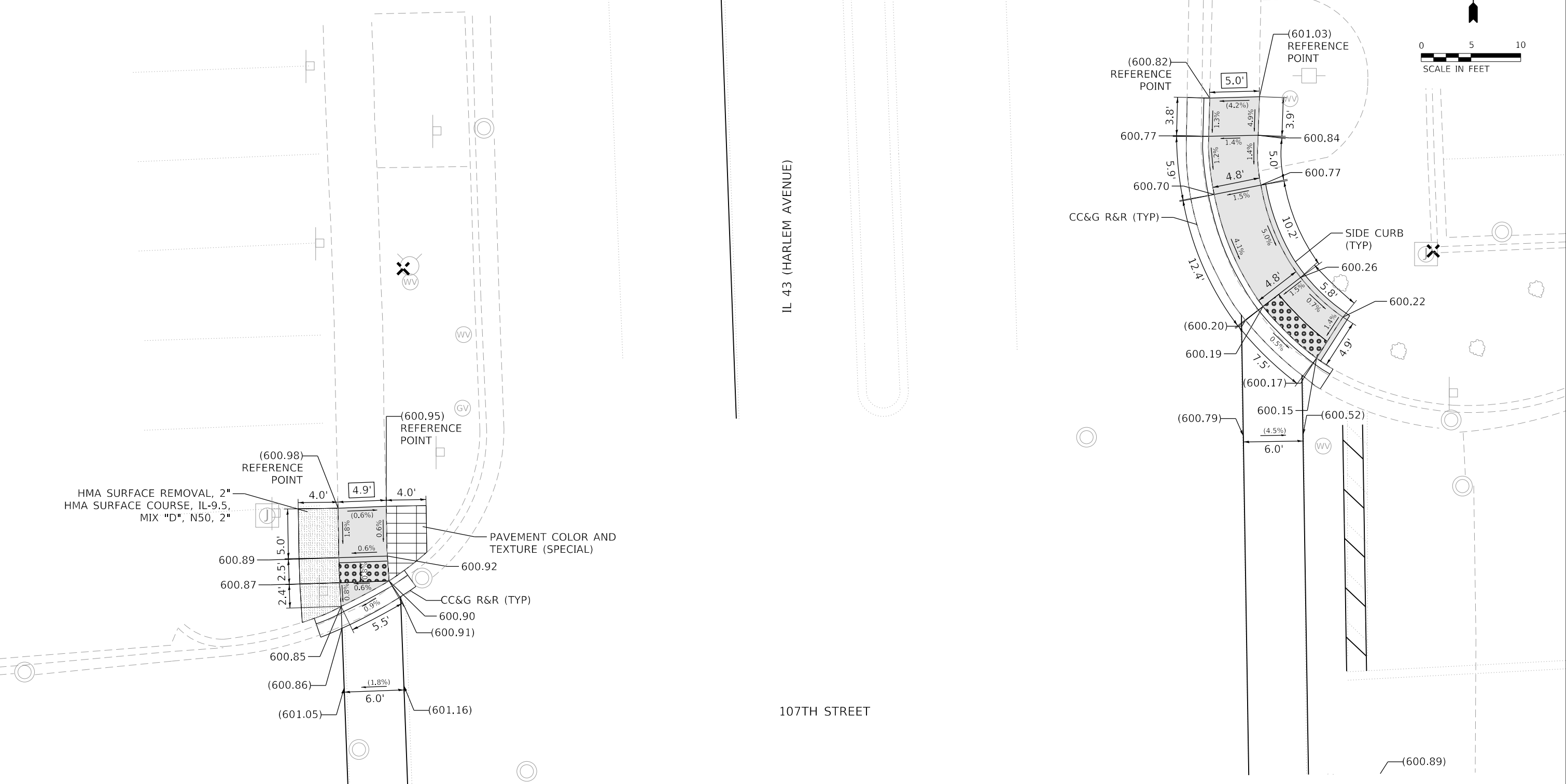
AEG ATLAS ENGINEERING
GROUP, LTD.

USER NAME = bjamafl	DESIGNED - ATTS	REVISED -
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PLOT DATE = 3/18/2021	CHECKED - BA	REVISED -
	DATE -	REVISED -







IL 43 (HARLEM AVENUE)

107TH STREET



REFERENCE BENCHMARK ELEV 602.24
 BENCHMARK : CUT CROSS ON SW HYDRANT FLANGE BOLT
 LOCATION : 43 FT WEST OF HARLEM AVENUE AT NW CORNER OF 107TH ST

LEGEND

	PROPOSED SIDEWALK		DETECTABLE WARNINGS
	EXISTING LENGTH		SIDEWALK REMOVAL REPLACE W/ TOPSOIL & SOD
()	EXISTING ELEVATION/SLOPE		



USER NAME = bjamafl	DESIGNED - ATTS	REVISED -
DRAWN - ZP	CHECKED - BA	REVISED -
PLOT SCALE = 10.0000' / in.	DATE -	REVISED -
PLOT DATE = 3/18/2021		

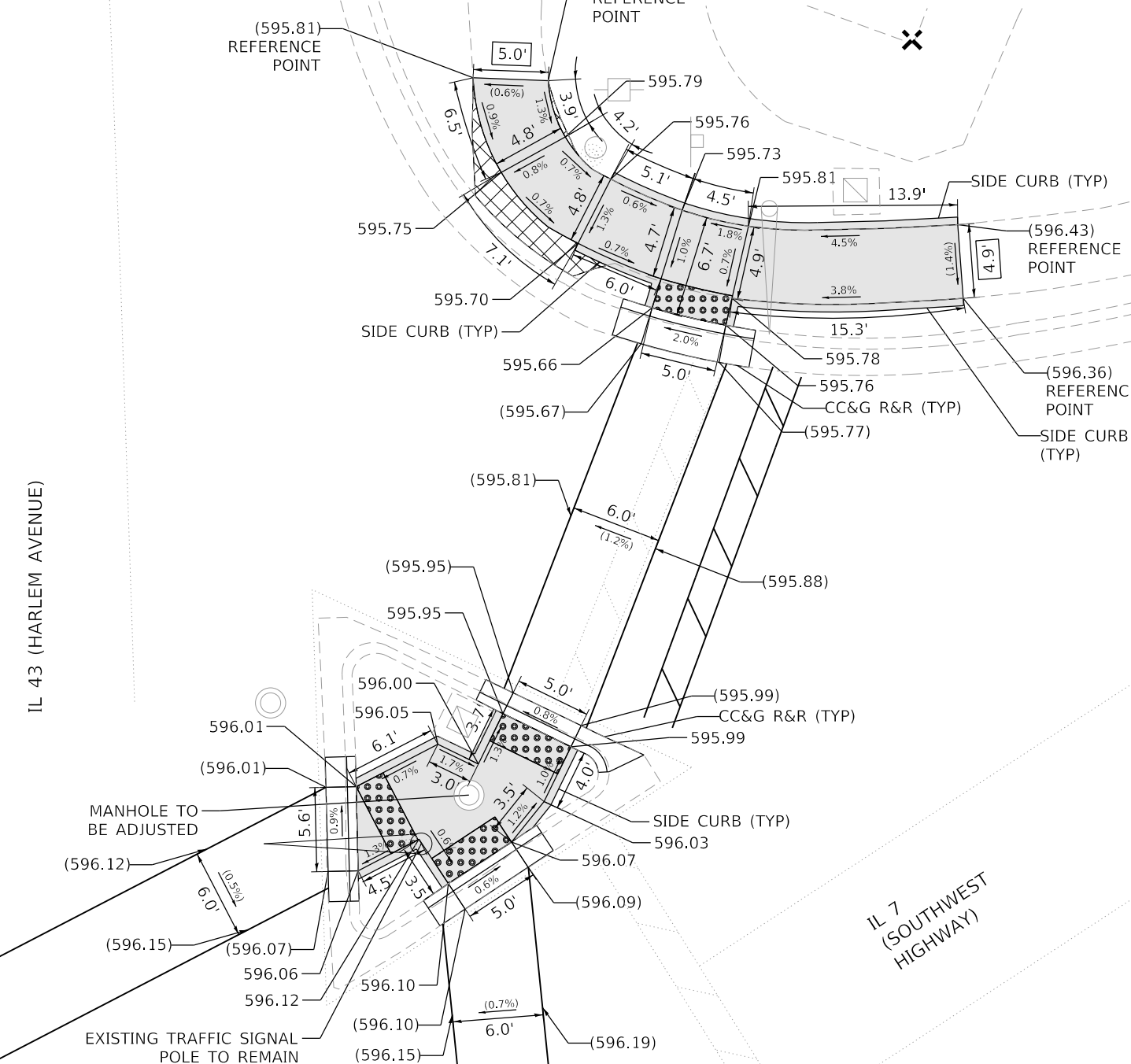
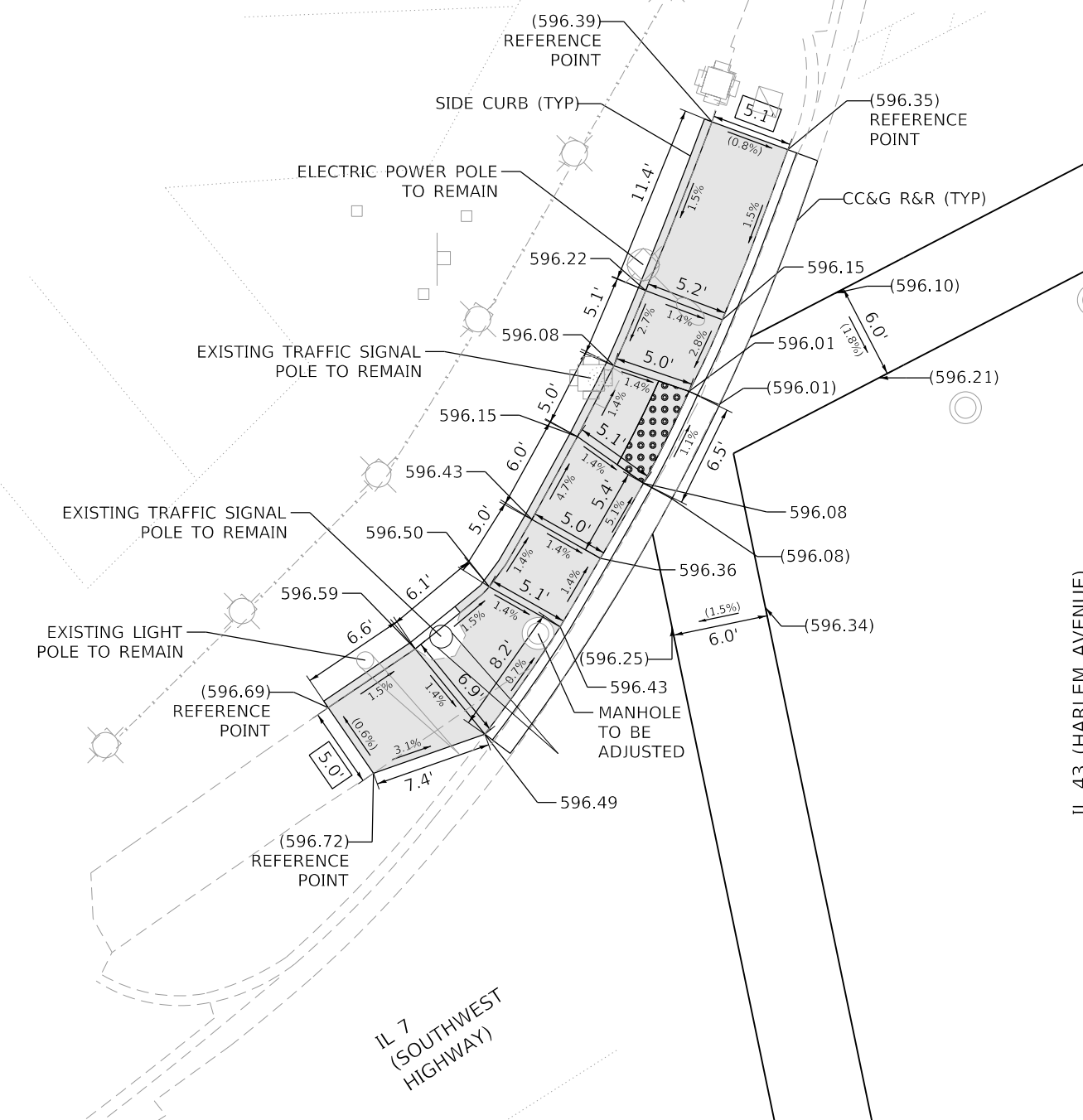
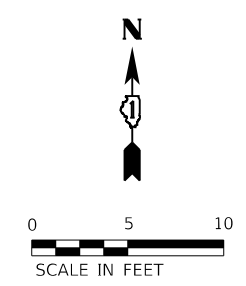
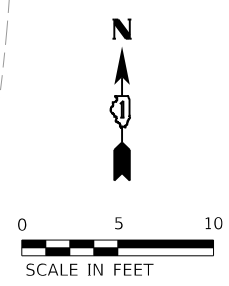
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ADA SIDEWALK RAMP DETAILS
IL 43 (HARLEM AVENUE) AT 107TH STREET NORTH






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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-114-R5&SW	COOK	97	34
CONTRACT NO. 62L92				
ILLINOIS FED. AID PROJECT				

MODEL: 7_107th Street North
 FILE NAME: P:\data\p2021\114\114-R5&SW.dwg
 PROJECT: 2020-114-R5&SW
 DS 6011W0 7.10 CAD13 Sheets\151220-rte-ADA.dgn



LEGEND

-  PROPOSED SIDEWALK
-  DETECTABLE WARNINGS
-  EXISTING LENGTH
-  SIDEWALK REMOVAL REPLACE W/ TOPSOIL & SOD
-  EXISTING ELEVATION/SLOPE

REFERENCE BENCHMARK ELEV 597.02
 BENCHMARK : CUT CROSS AT SE CORNER OF CONCRETE PAD
 LOCATION : 72 FT EAST OF HARLEM AVENUE AT NE CORNER OF SOUTHWEST HWY

MODEL: 9_Southwest Highway North
 FILE NAME: P:\Data\2020\20201110\Documents\Projects\130703070_DS_0011\WD_710_CADD\3_Sheets\15120-PLN-ADA.dwg

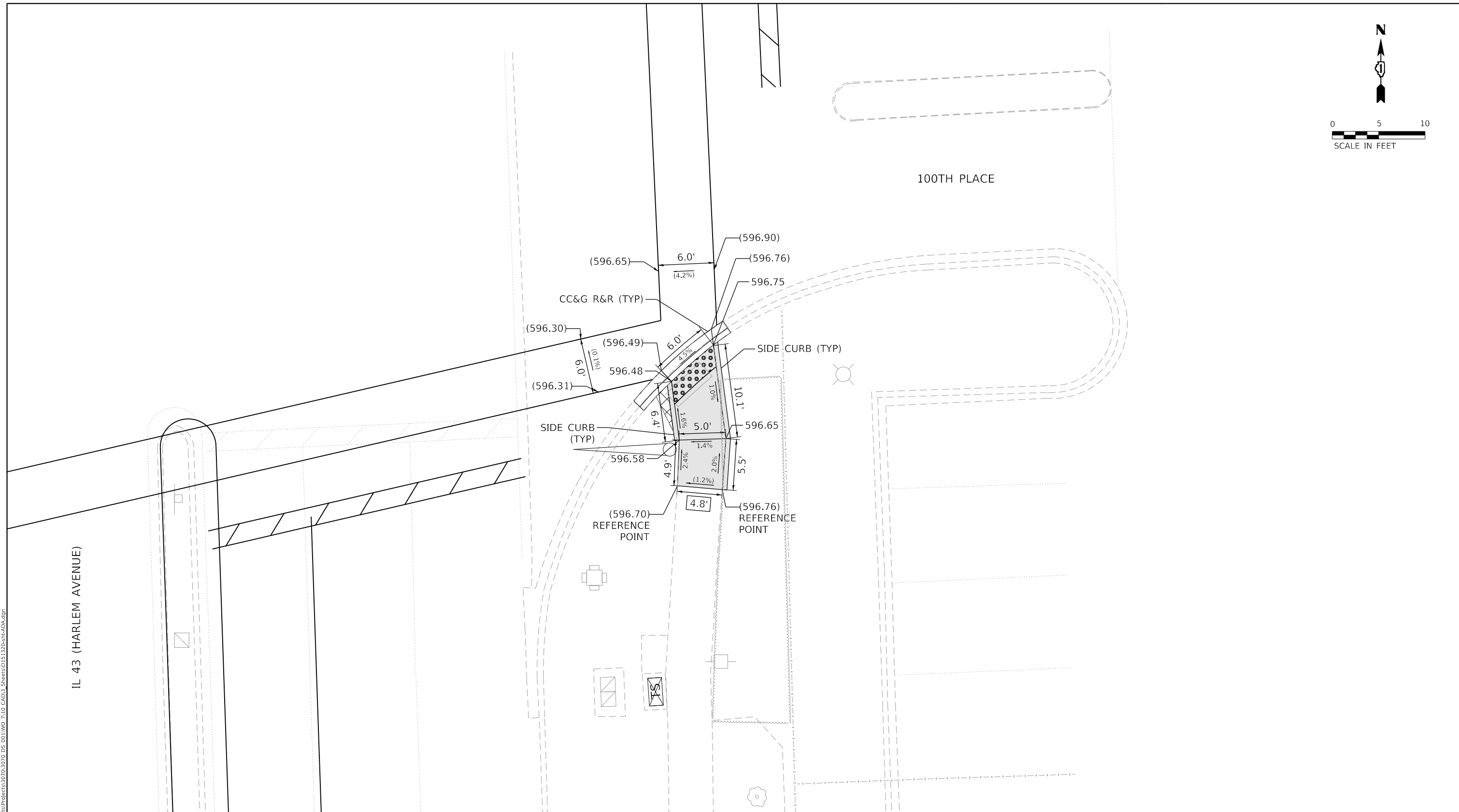
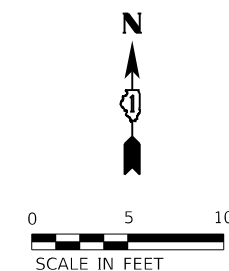


USER NAME = bjama1	DESIGNED - ATTS	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - ZP	REVISED -
PLOT DATE = 3/18/2021	CHECKED - BA	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ADA SIDEWALK RAMP DETAILS
IL 43 (HARLEM AVENUE) AT SOUTHWEST HIGHWAY NORTH
 SCALE: 1"=5' SHEET OF SHEETS STA. N/A TO STA. N/A

F.A.P. RTE. 348	SECTION 2020-114-R5&SW	COUNTY COOK	TOTAL SHEETS 97	SHEET NO. 36
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62L92	



REFERENCE BENCHMARK ELEV 612.36
 BENCHMARK : CUT CROSS ON SW HYDRANT FLANGE BOLT
 LOCATION : 57 FT WEST OF HARLEM AVENUE AT SW CORNER OF 92ND ST

LEGEND	
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	EXISTING LENGTH
	SIDEWALK REMOVAL REPLACE W/ TOPSOIL & SOD
	EXISTING ELEVATION/SLOPE

MODEL: IL_100th Place
 FILE NAME: P:\Data\Bentley\com\atlas\pww\11\Documents\Projects\2020\3070_DS_001\W0_710_CADD\3_Sheets\151220-ctc-ADA.dgn



USER NAME = bjamafl	DESIGNED - ATS	REVISED -
PLOT SCALE = 10.0000 ' / in.	DRAWN - ZP	REVISED -
PLOT DATE = 3/18/2021	CHECKED - BA	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA SIDEWALK RAMP DETAILS
 IL 43 (HARLEM AVENUE) AT 100TH PLACE**

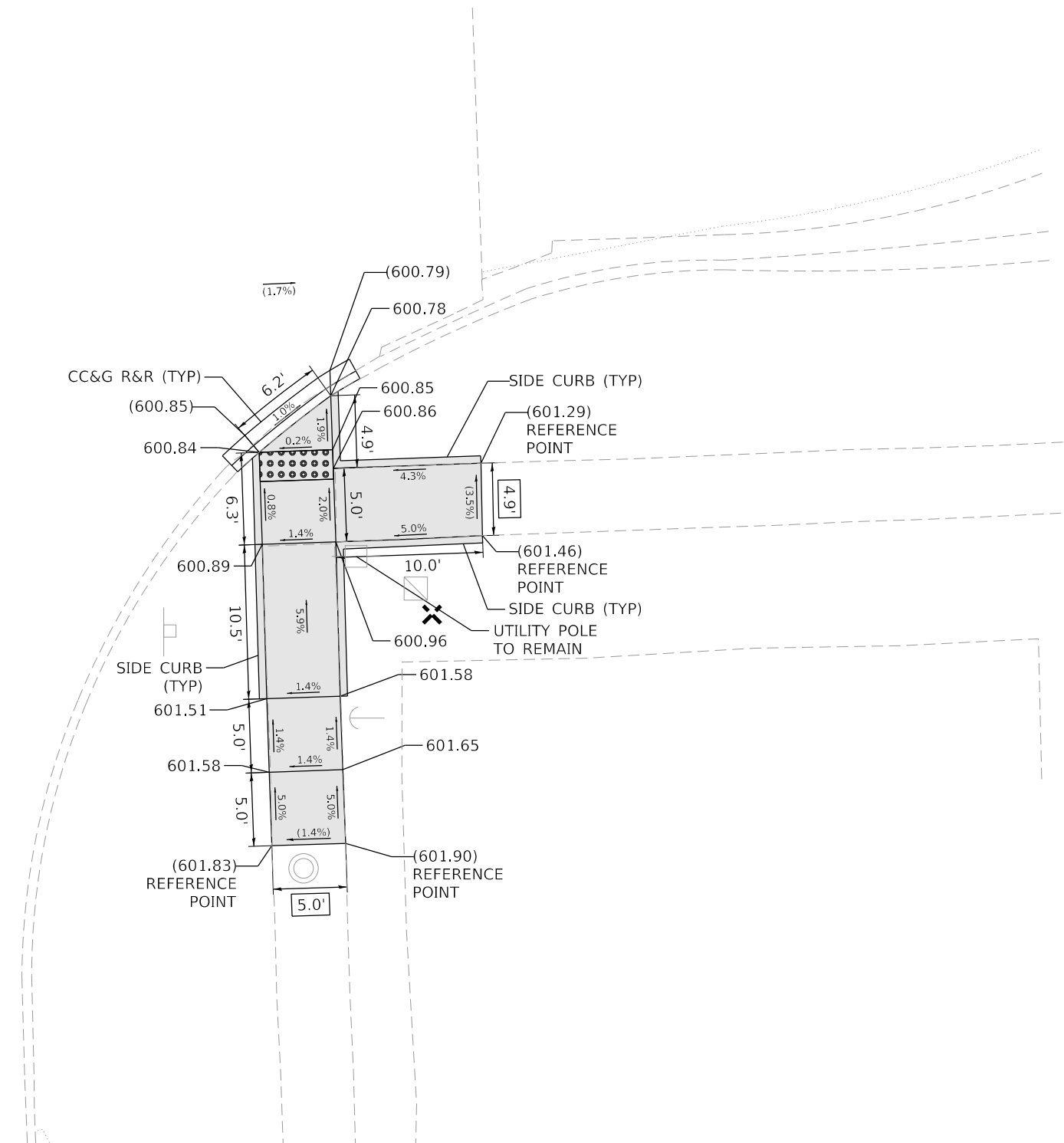
SCALE: 1"=5' SHEET OF SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-114-R5&SW	COOK	97	37
CONTRACT NO. 62L92				
ILLINOIS FED. AID PROJECT				



FRONTAGE ROAD

IL 43 (HARLEM AVENUE)



LEGEND

- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- EXISTING LENGTH
- SIDEWALK REMOVAL REPLACE W/ TOPSOIL & SOD
- UTILITY POLE TO REMAIN
- EXISTING ELEVATION/SLOPE

REFERENCE BENCHMARK ELEV 612.36
 BENCHMARK : CUT CROSS ON SW HYDRANT FLANGE BOLT
 LOCATION : 57 FT WEST OF HARLEM AVENUE AT SW CORNER OF 92ND ST

MODEL: IL_Frontage Road
 FILE NAME: P:\Data\Projects\2020\114-R5&SW\114-R5&SW.dwg
 PROJECT: 2020-114-R5&SW
 DATE: 3/18/2021

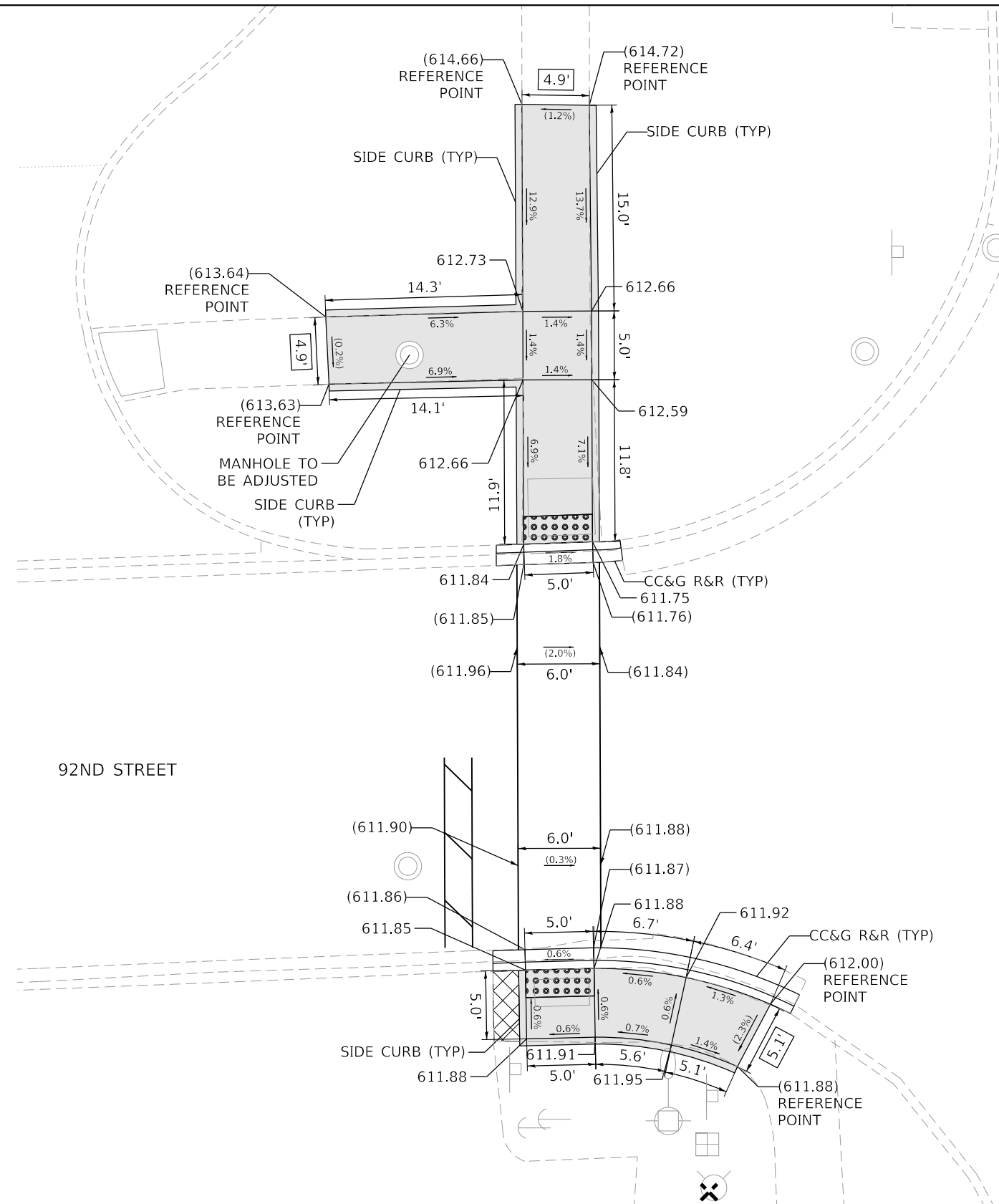
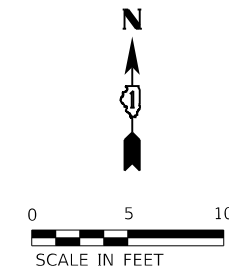


USER NAME = bjama	DESIGNED - ATTS	REVISED -
PLOT SCALE = 10.0000 ' / in.	DRAWN - ZP	REVISED -
PLOT DATE = 3/18/2021	CHECKED - BA	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ADA SIDEWALK RAMP DETAILS			
IL 43 (HARLEM AVENUE) AT FRONTAGE ROAD			
SCALE: 1"=5'	SHEET	OF	SHEETS
	STA. N/A		TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-114-R5&SW	COOK	97	38
CONTRACT NO. 62L92				
ILLINOIS FED. AID PROJECT				



92ND STREET

IL 43 (HARLEM AVENUE)

LEGEND

- PROPOSED SIDEWALK
- EXISTING LENGTH
- EXISTING ELEVATION/SLOPE
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/ TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 612.36
 BENCHMARK : CUT CROSS ON SW HYDRANT FLANGE BOLT
 LOCATION : 57 FT WEST OF HARLEM AVENUE AT SW CORNER OF 92ND ST

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA SIDEWALK RAMP DETAILS
 IL 43 (HARLEM AVENUE) AT 92ND STREET**

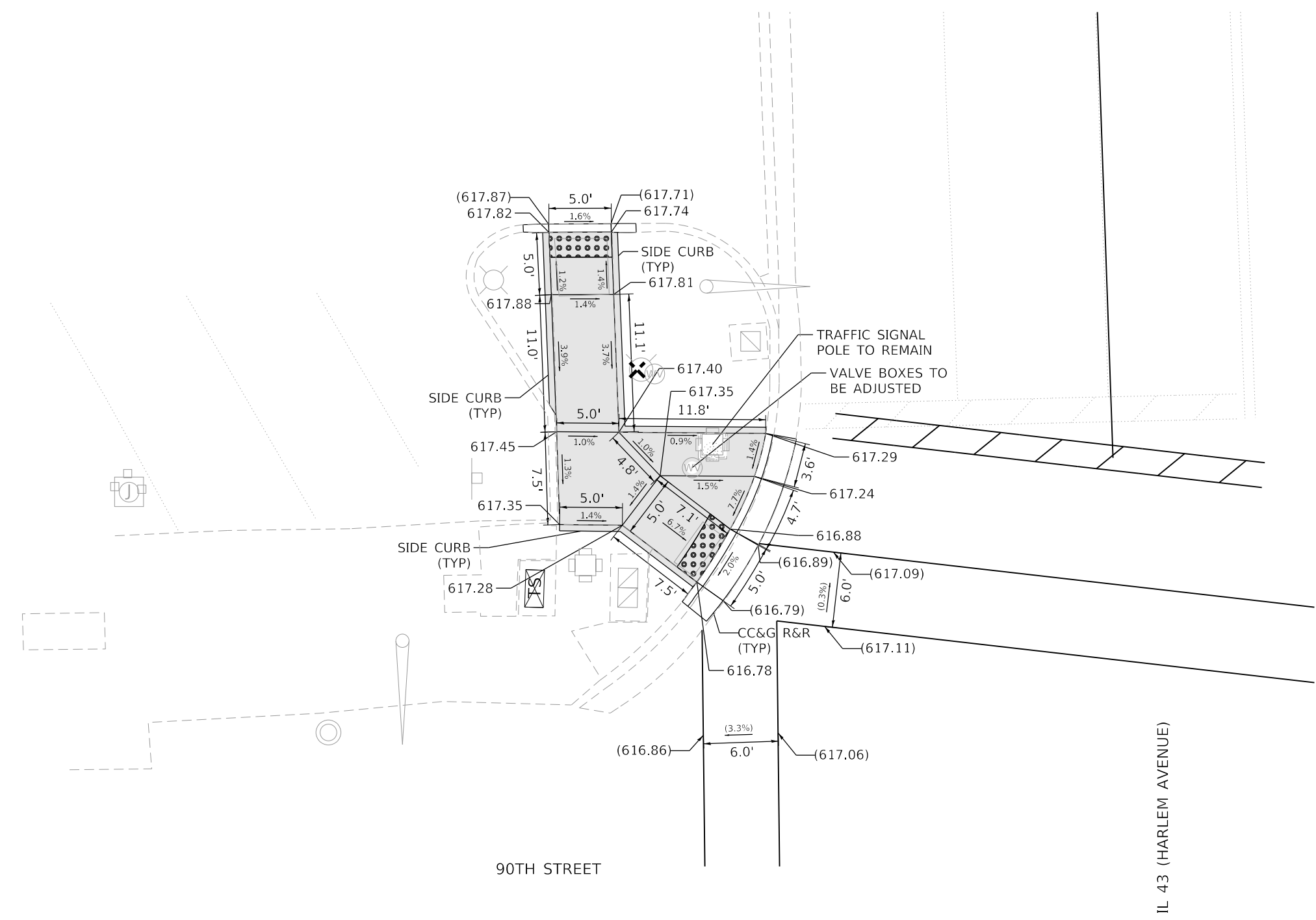
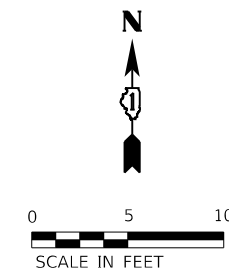


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PLOT SCALE = 10.0000' / in.	DRAWN - ZP	REVISED -
PLOT DATE = 3/18/2021	CHECKED - BA	REVISED -
	DATE -	REVISED -

SCALE: 1"=5'	SHEET OF SHEETS	STA. N/A TO STA. N/A
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-114-R5&SW	COOK	97	39
CONTRACT NO. 62L92				
ILLINOIS FED. AID PROJECT				

MODEL: 13_92nd Street
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REFERENCE BENCHMARK ELEV 619.24

BENCHMARK : CUT CROSS ON W HYDRANT FLANGE BOLT

LOCATION : 44 FT WEST OF HARLEM AVENUE AT NW CORNER OF 90TH ST

LEGEND



PROPOSED SIDEWALK



DETECTABLE WARNINGS



EXISTING LENGTH



SIDEWALK REMOVAL REPLACE W/ TOPSOIL & SOD

() EXISTING ELEVATION/SLOPE

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ADA SIDEWALK RAMP DETAILS
IL 43 (HARLEM AVENUE) AT 90TH STREET**

SCALE: 1"=5'

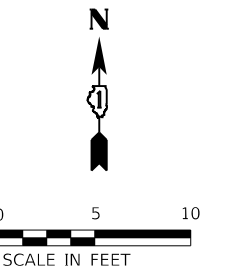
SHEET OF SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-114-R5&SW	COOK	97	40
			CONTRACT NO. 62L92	
		ILLINOIS	FED. AID PROJECT	

MODEL: 13_90th_Street
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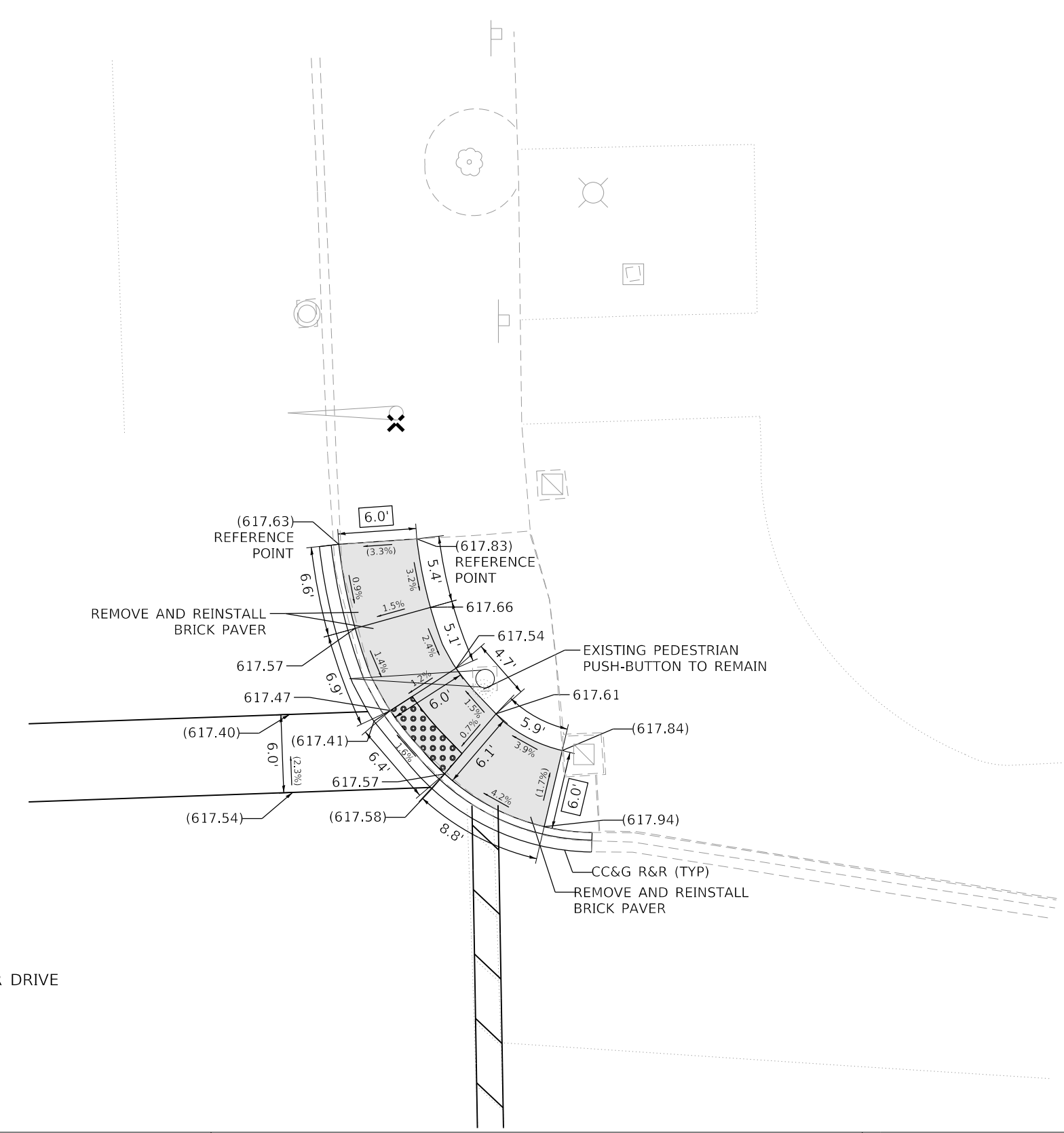


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	DRAWN - ZP	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED - BA	REVISED -
PLOT DATE = 3/18/2021	DATE -	REVISED -



IL 43 (HARLEM AVENUE)

SOUTHFIELD SHOPPING CENTER DRIVE



REFERENCE BENCHMARK ELEV 618.09
 BENCHMARK : CUT CROSS ON CONCRETE LIGHT POLE BASE
 LOCATION : 40 FT EAST OF HARLEM AVENUE AT NE CORNER OF SHOPPING CENTER

LEGEND	
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	EXISTING LENGTH
	SIDEWALK REMOVAL REPLACE W/ TOPSOIL & SOD
	EXISTING ELEVATION/SLOPE

MODEL: I_4_Southfield_Shopping
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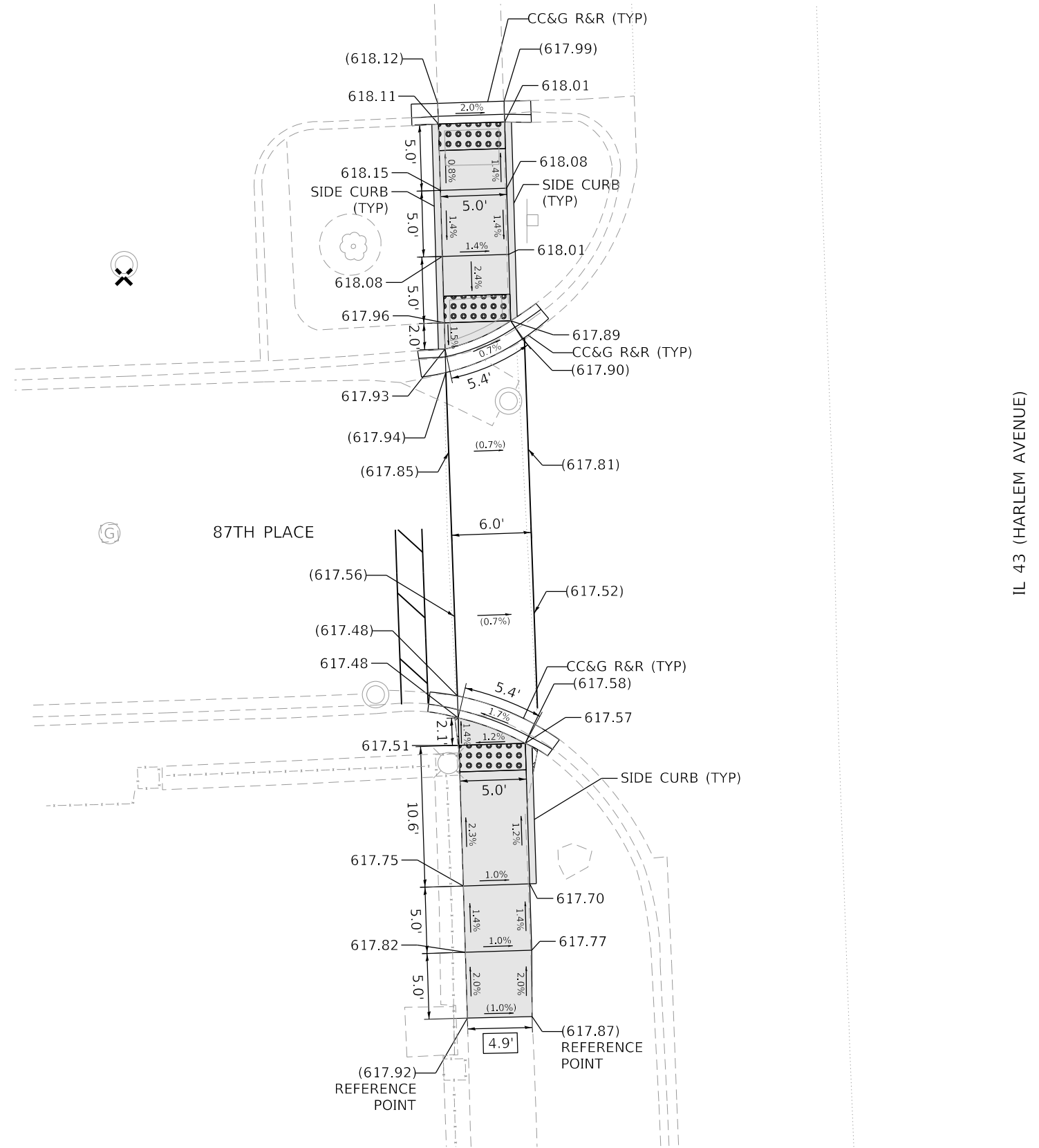
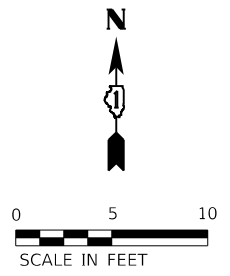
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PLOT SCALE = 10.0000 ' / in.	CHECKED - BA	REVISED -
PLOT DATE = 3/18/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA SIDEWALK RAMP DETAILS
IL 43 (HARLEM AVENUE) AT SOUTHFIELD SHOPPING CENTER DRIVE

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-114-R5&SW	COOK	97	41
CONTRACT NO. 62L92				
		ILLINOIS	FED. AID PROJECT	



REFERENCE BENCHMARK ELEV 618.44
 BENCHMARK : CUT CROSS ON MANHOLE RIM
 LOCATION : 74 FT WEST OF HARLEM AVENUE AT NW CORNER OF 87TH PL

LEGEND	
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	EXISTING LENGTH
	SIDEWALK REMOVAL REPLACE W/ TOPSOIL & SOD
	EXISTING ELEVATION/SLOPE

MODEL: IL_87th_Place
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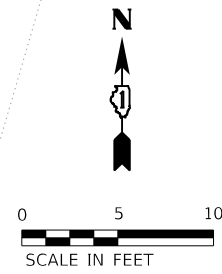
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PLOT DATE = 3/18/2021	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

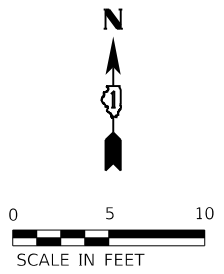
ADA SIDEWALK RAMP DETAILS			
IL 43 (HARLEM AVENUE) AT 87TH PLACE			
SCALE: 1"=5'	SHEET	OF	SHEETS
	STA. N/A		TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 62L92				
ILLINOIS FED. AID PROJECT				

87TH STREET

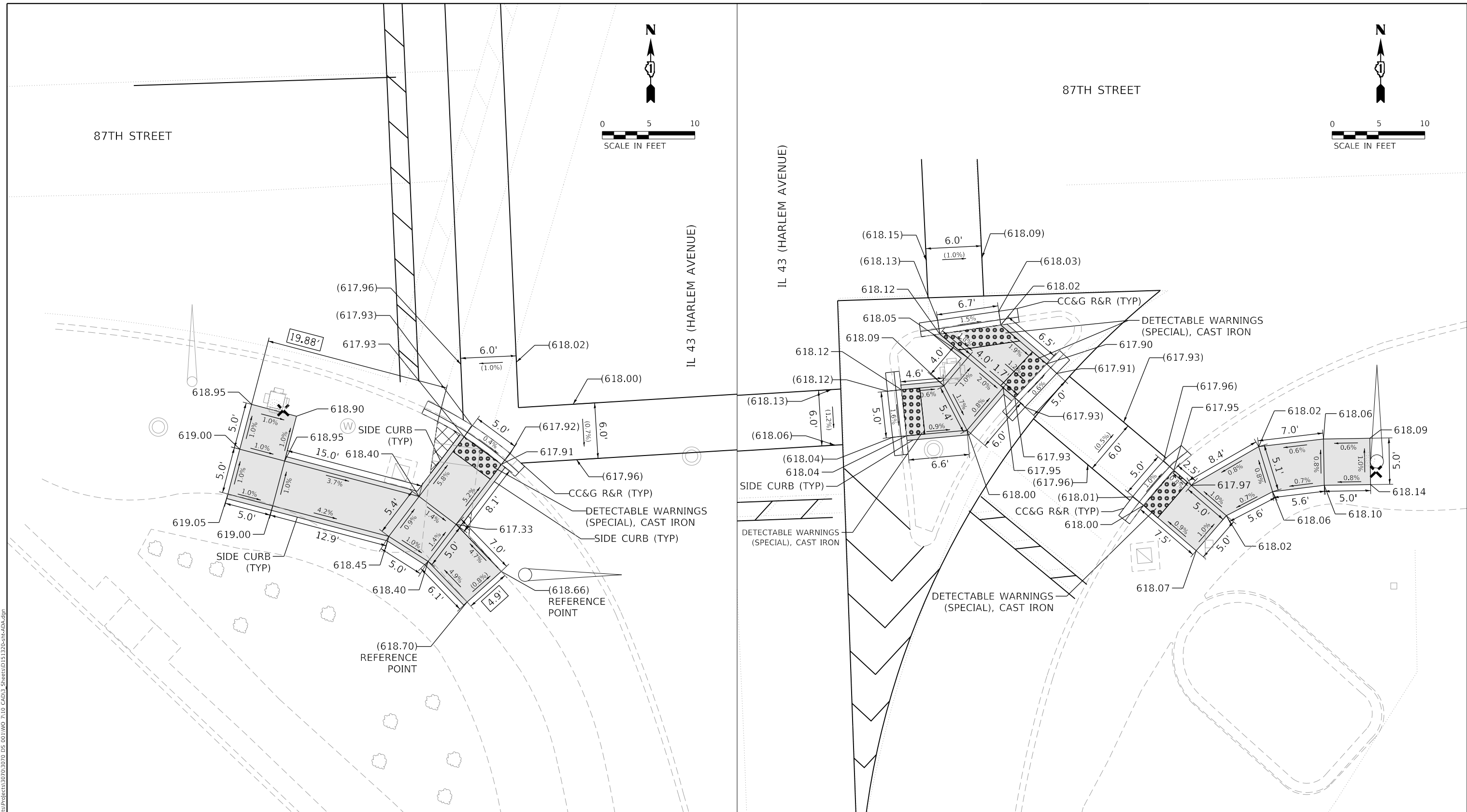


87TH STREET








IL 43 (HARLEM AVENUE)

IL 43 (HARLEM AVENUE)



LEGEND

-  PROPOSED SIDEWALK
-  DETECTABLE WARNINGS
-  EXISTING LENGTH
-  SIDEWALK REMOVAL REPLACE W/ TOPSOIL & SOD
-  EXISTING ELEVATION/SLOPE

REFERENCE BENCHMARK ELEV 618.35

BENCHMARK : CUT CROSS ON CONCRETE LIGHT POLE BASE

LOCATION : 89 FT EAST OF HARLEM AVENUE AT SW CORNER OF 87TH ST

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ADA SIDEWALK RAMP DETAILS
IL 43 (HARLEM AVENUE) AT 87TH STREET SOUTH**

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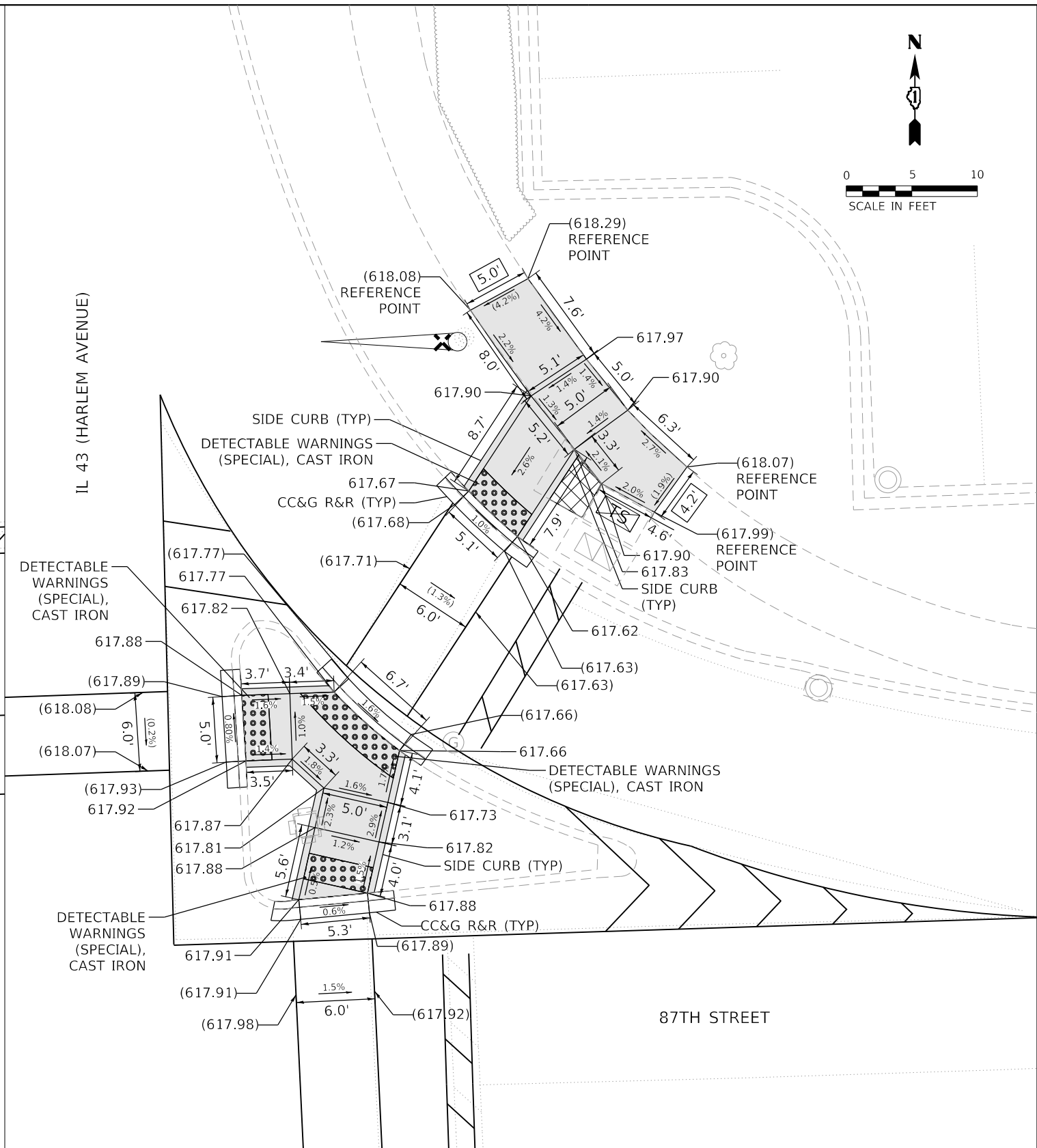
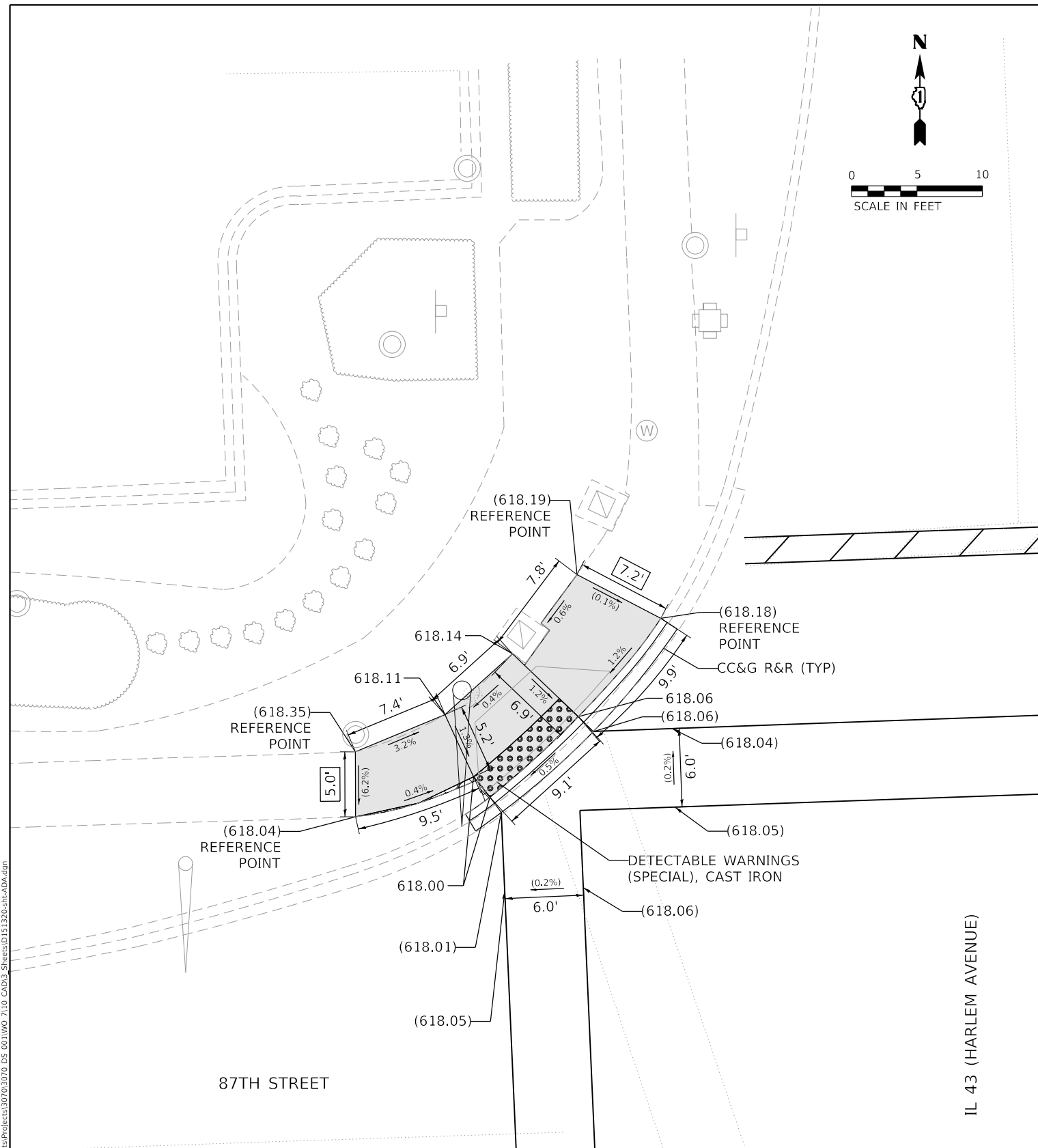
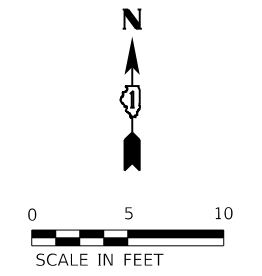
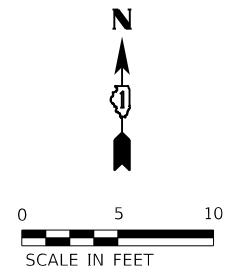
**AEG ATLAS ENGINEERING
GROUP, LTD.**

USER NAME = bjamafl	DESIGNED - ATTS	REVISED -
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PLOT DATE = 3/18/2021	CHECKED - BA	REVISED -
	DATE -	REVISED -

DESIGNED - ATTS	REVISED -
DRAWN - ZP	REVISED -
CHECKED - BA	REVISED -
DATE -	REVISED -

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-114-R5&SW	COOK	97	43
CONTRACT NO. 62L92				
ILLINOIS FED. AID PROJECT				



MODEL: T_87th_Street_North
 FILE NAME: P:\data\p2021\11\Documents\Projects\130703070_DS_001\11\0_CADD\3_Sheets\151220-rtc-ADA.dgn

REFERENCE BENCHMARK ELEV 618.35
 BENCHMARK : CUT CROSS ON CONCRETE LIGHT POLE BASE
 LOCATION : 89 FT EAST OF HARLEM AVENUE AT SE CORNER OF 87TH ST

LEGEND	
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	EXISTING LENGTH
	SIDEWALK REMOVAL REPLACE W/ TOPSOIL & SOD
	EXISTING ELEVATION/SLOPE



USER NAME = bjamafl	DESIGNED - ATS	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - ZP	REVISED -
PLOT DATE = 3/18/2021	CHECKED - BA	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

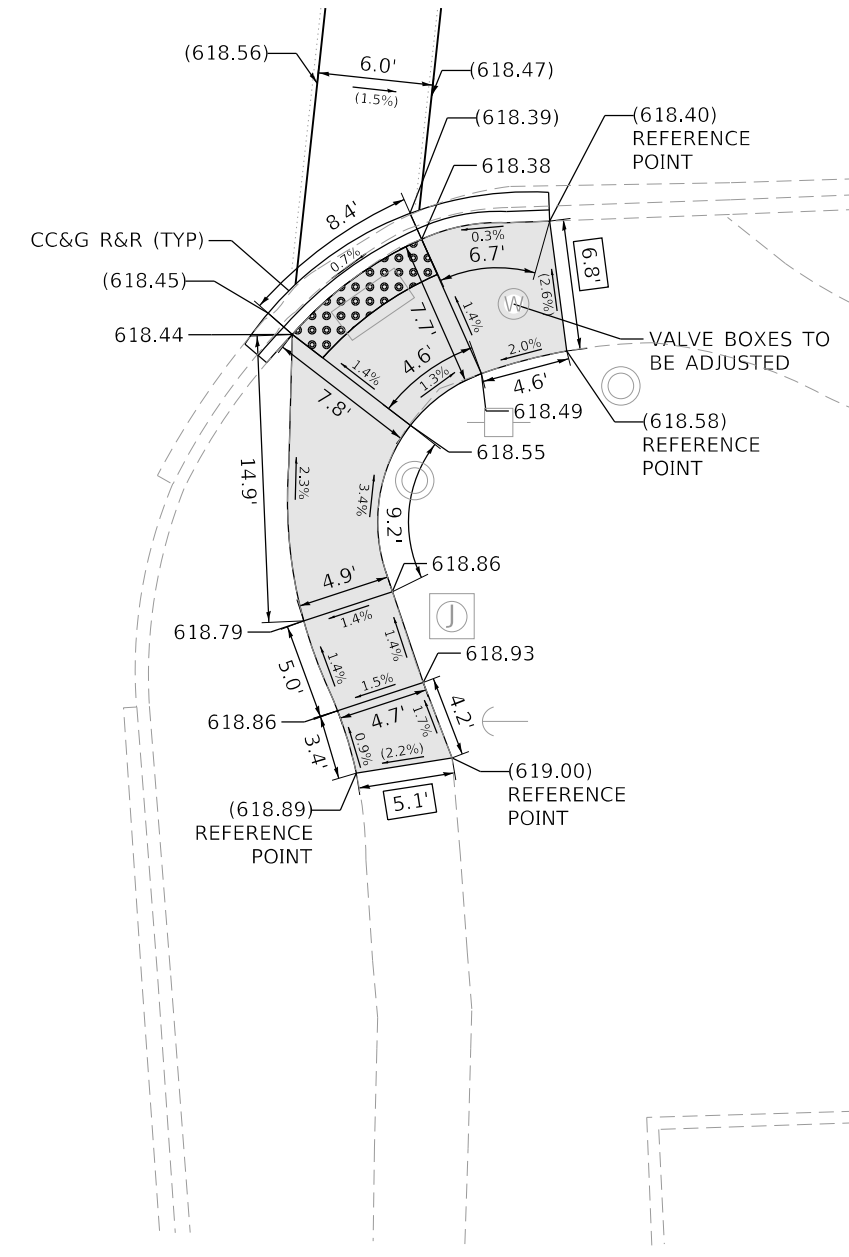
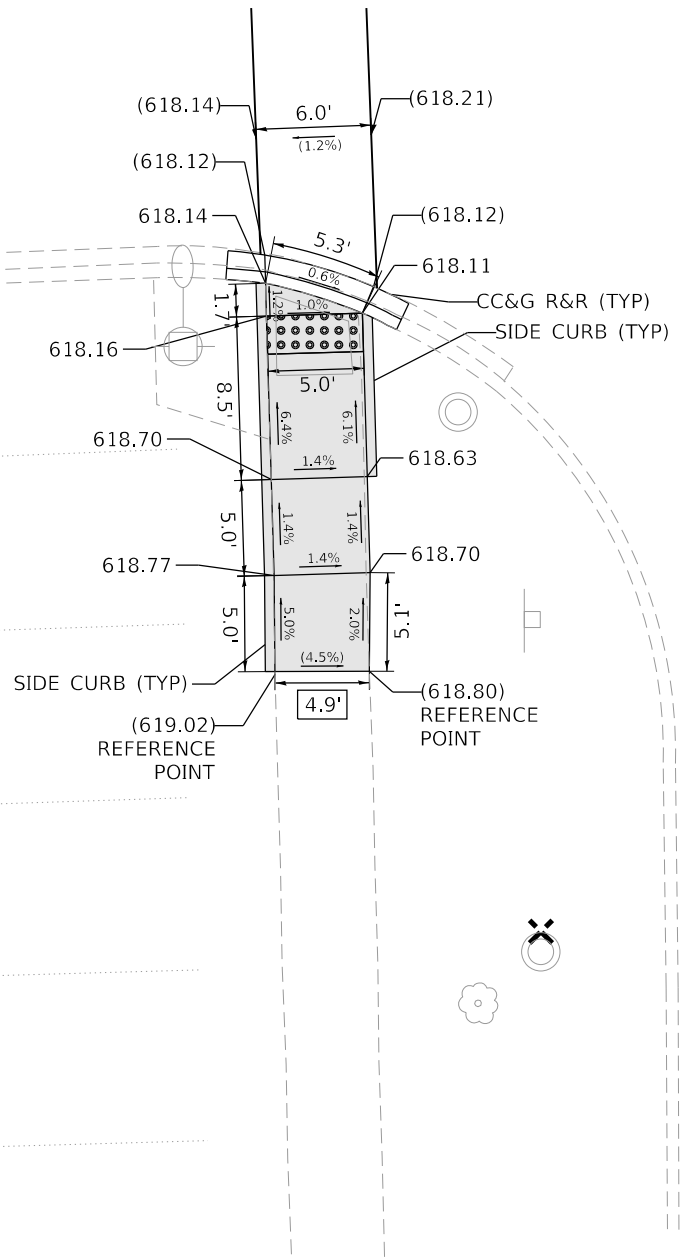
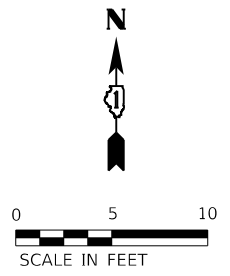
ADA SIDEWALK RAMP DETAILS
 IL 43 (HARLEM AVENUE) AT 87TH STREET NORTH

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

F.A.P. RTE. 348	SECTION 2020-114-R5&SW	COUNTY COOK	TOTAL SHEETS 97	SHEET NO. 44
ILLINOIS			FED. AID PROJECT	






CONTRACT NO. 62L92

86TH STREET



IL 43 (HARLEM AVENUE)

LEGEND

-  PROPOSED SIDEWALK
-  DETECTABLE WARNINGS
-  EXISTING LENGTH
-  SIDEWALK REMOVAL REPLACE W/ TOPSOIL & SOD
-  EXISTING ELEVATION/SLOPE

REFERENCE BENCHMARK ELEV 619.35
 BENCHMARK : CUT CROSS ON MANHOLE RIM
 LOCATION : 36 FT WEST OF HARLEM AVENUE AT SW CORNER OF 86TH STREET

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA SIDEWALK RAMP DETAILS
 IL 43 (HARLEM AVENUE) AT 86TH STREET SOUTH**



USER NAME = bjama1	DESIGNED - ATS	REVISED -
PLOT SCALE = 10.0000 ' / in.	DRAWN - ZP	REVISED -
PLOT DATE = 3/18/2021	CHECKED - BA	REVISED -
	DATE -	REVISED -

SCALE: 1"=5'	SHEET	OF	SHEETS	STA. N/A	TO	STA. N/A
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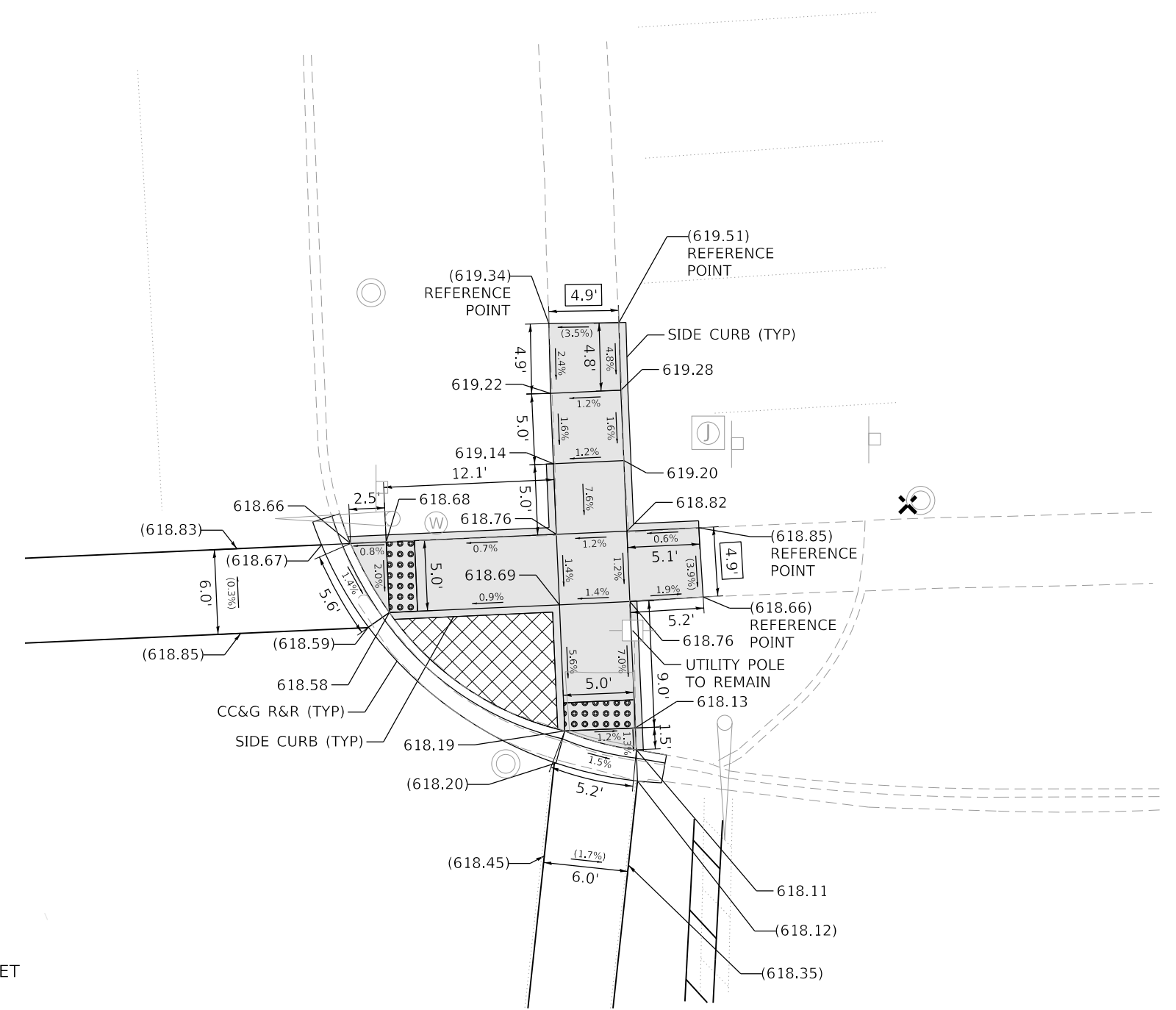
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-114-R5&SW	COOK	97	45
CONTRACT NO. 62L92				
ILLINOIS FED. AID PROJECT				

MODEL: P_86th Street South
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 DATE: 3/18/2021
 DRAWN: ZP
 CHECKED: BA
 DESIGNED: ATS
 PROJECT: 2020-114-R5&SW



0 5 10
SCALE IN FEET

IL 43 (HARLEM AVENUE)



86TH STREET

REFERENCE BENCHMARK ELEV 618.44
 BENCHMARK : CUT CROSS ON MANHOLE RIM
 LOCATION : 69 FT EAST OF HARLEM AVENUE AT NE CORNER OF 86TH ST

LEGEND

- PROPOSED SIDEWALK
- EXISTING LENGTH
- EXISTING ELEVATION/SLOPE
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/ TOPSOIL & SOD

MODEL: 18_86th Street North
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USER NAME = bjamali	DESIGNED - ATTS	REVISED -
	DRAWN - ZP	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - BA	REVISED -
PLOT DATE = 3/18/2021	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA SIDEWALK RAMP DETAILS
 IL 43 (HARLEM AVENUE) AT 86TH STREET NORTH**

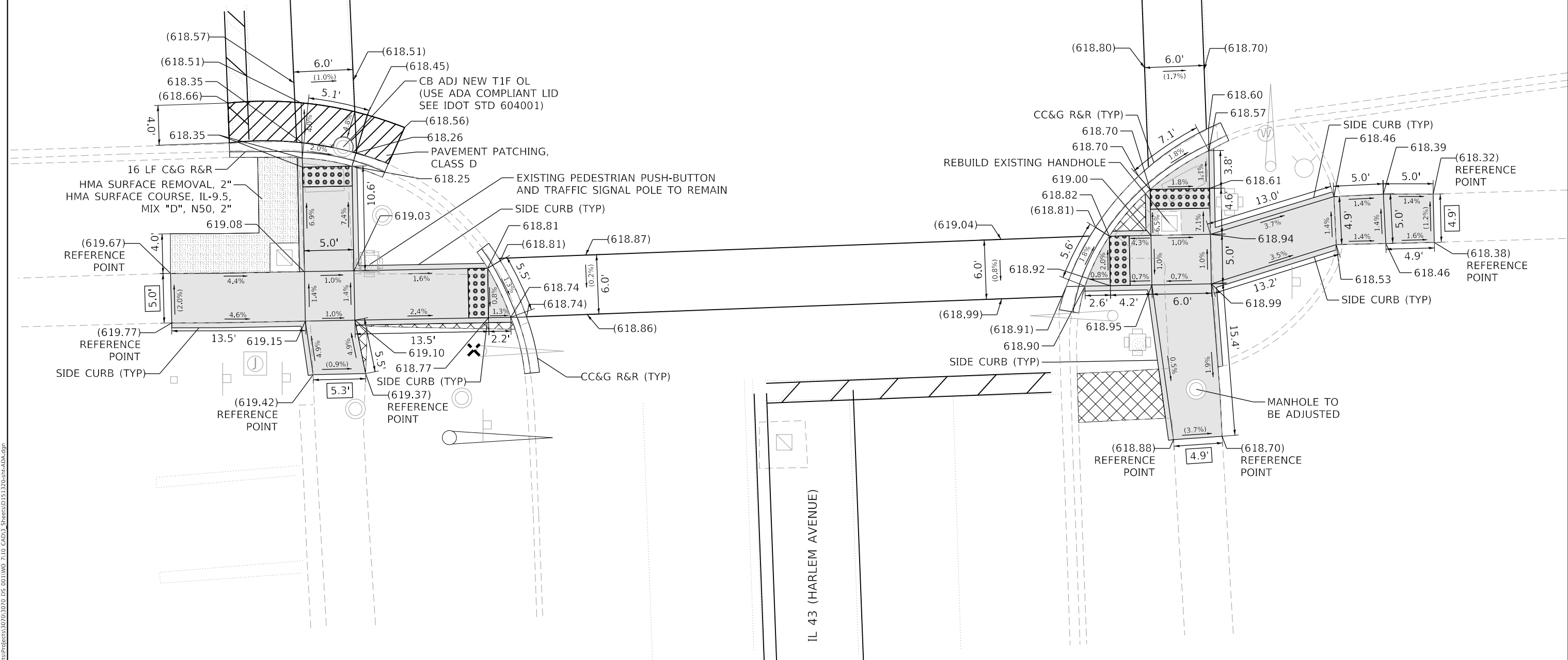
SCALE: 1"=5' SHEET OF SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-114-R5&SW	COOK	97	46
CONTRACT NO. 62L92				
ILLINOIS FED. AID PROJECT				








84TH STREET

IL 43 (HARLEM AVENUE)



LEGEND

-  PROPOSED SIDEWALK
-  DETECTABLE WARNINGS
-  EXISTING LENGTH
-  SIDEWALK REMOVAL REPLACE W/ TOPSOIL & SOD
-  EXISTING ELEVATION/SLOPE

REFERENCE BENCHMARK ELEV 619.49
 BENCHMARK : CUT CROSS ON CONCRETE LIGHT POLE BASE
 LOCATION : 33 FT WEST OF HARLEM AVENUE AT SW CORNER OF 84TH ST

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ADA SIDEWALK RAMP DETAILS
 IL 43 (HARLEM AVENUE) AT 84TH STREET SOUTH



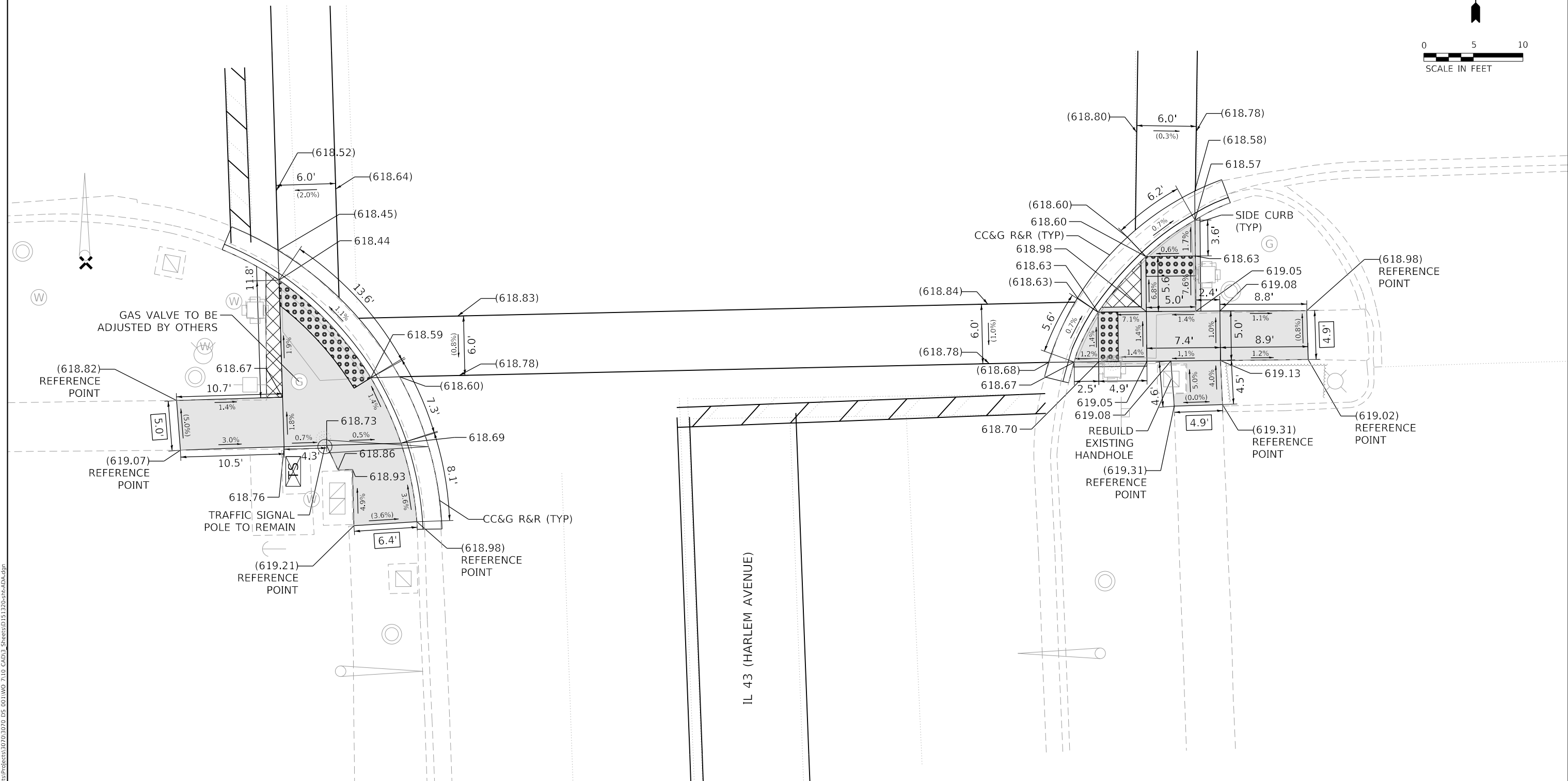
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DRAWN - ZP	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED - BA	REVISED -
PLOT DATE = 3/18/2021	DATE -	REVISED -

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-114-R5&SW	COOK	97	47
CONTRACT NO. 62L92				
ILLINOIS		FED. AID PROJECT		






MODEL: 30_84th Street South
 FILE NAME: p:\data\p2020\114\114-R5&SW.dwg
 PROJECT: 2020-114-R5&SW
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83RD STREET



REFERENCE BENCHMARK ELEV 618.67
 BENCHMARK : CUT CROSS ON CONCRETE LIGHT POLE BASE
 LOCATION : 65 FT WEST OF HARLEM AVENUE AT SW CORNER OF 83RD ST

LEGEND

-  PROPOSED SIDEWALK
-  DETECTABLE WARNINGS
-  EXISTING LENGTH
-  SIDEWALK REMOVAL REPLACE W/ TOPSOIL & SOD
-  EXISTING ELEVATION/SLOPE

MODEL: 22_83rd Street South
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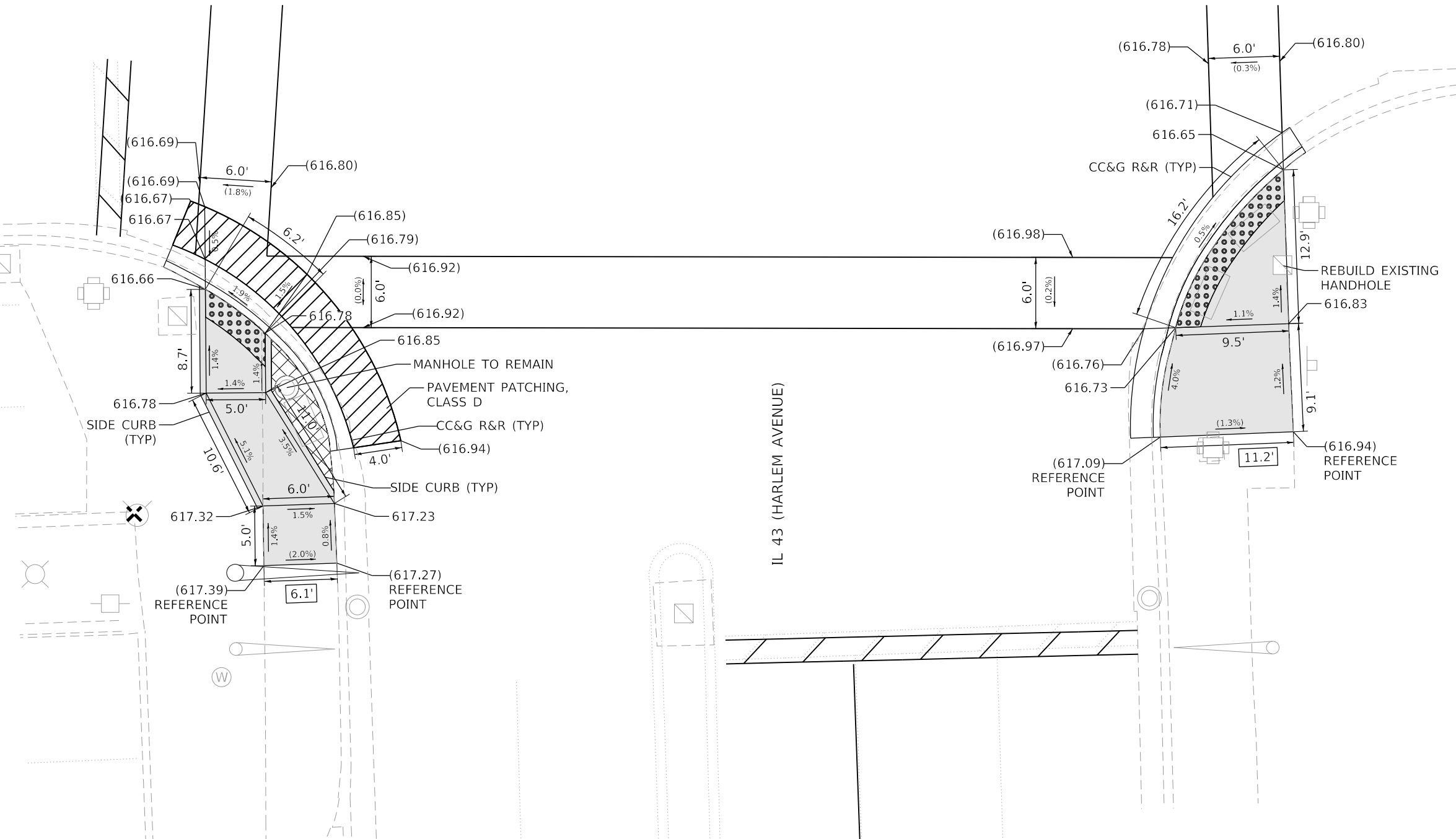
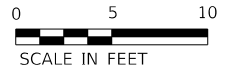
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PLOT DATE = 3/18/2021	CHECKED - BA	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ADA SIDEWALK RAMP DETAILS
IL 43 (HARLEM AVENUE) AT 83RD STREET SOUTH
 SCALE: 1"=5' SHEET OF SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-114-R5&SW	COOK	97	48
CONTRACT NO. 62L92				
ILLINOIS FED. AID PROJECT				

75TH STREET



LEGEND

- PROPOSED SIDEWALK
- EXISTING LENGTH
- EXISTING ELEVATION/SLOPE
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/ TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 618.20
 BENCHMARK : CUT CROSS ON NW HYDRANT FLANGE BOLT
 LOCATION : 51 FT WEST OF HARLEM AVENUE AT SW CORNER OF 75TH ST

MODEL: 74_75th Street South
 FILE NAME: P:\data\p2\2021\11\Documents\Projects\30703070_DS_001\W0_710_CAD\3_Sheets\151220-75th-ADA.dwg



USER NAME = bjamafl	DESIGNED - ATS	REVISED -
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PLOT DATE = 3/18/2021	CHECKED - BA	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA SIDEWALK RAMP DETAILS
 IL 43 (HARLEM AVENUE) AT 75TH STREET SOUTH**

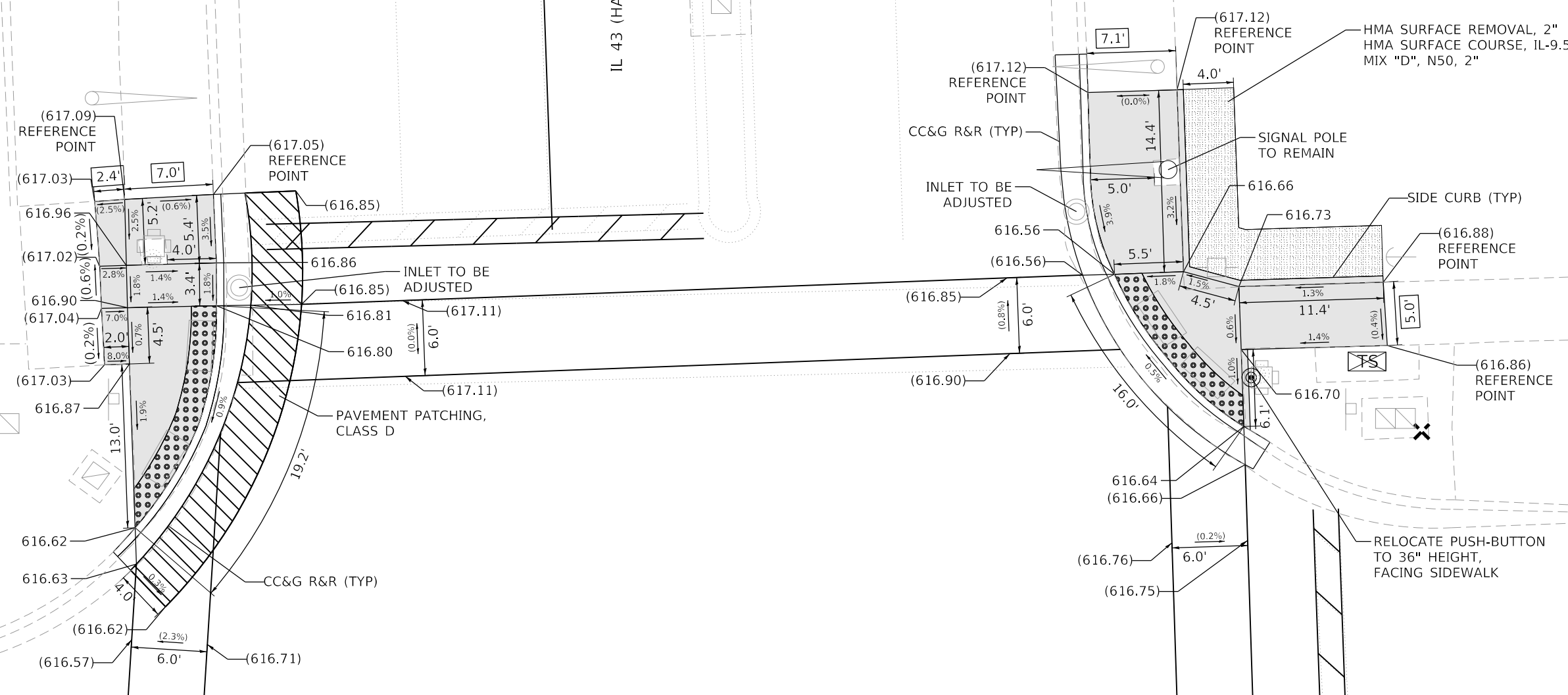
SCALE: 1"=5' SHEET OF SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-114-R5&SW	COOK	97	50
CONTRACT NO. 62L92				
ILLINOIS FED. AID PROJECT				



IL 43 (HARLEM AVENUE)

75TH STREET



LEGEND

- PROPOSED SIDEWALK
- EXISTING LENGTH
- EXISTING ELEVATION/SLOPE
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/ TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 618.20
 BENCHMARK : CUT CROSS ON NW HYDRANT FLANGE BOLT
 LOCATION : 51 FT WEST OF HARLEM AVENUE AT SW CORNER OF 75TH ST

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA SIDEWALK RAMP DETAILS
 IL 43 (HARLEM AVENUE) AT 75TH STREET NORTH**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-114-R5&SW	COOK	97	51
CONTRACT NO. 62L92				
ILLINOIS FED. AID PROJECT				

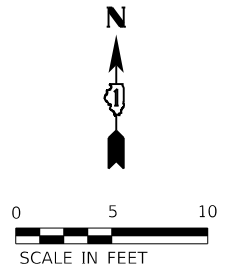
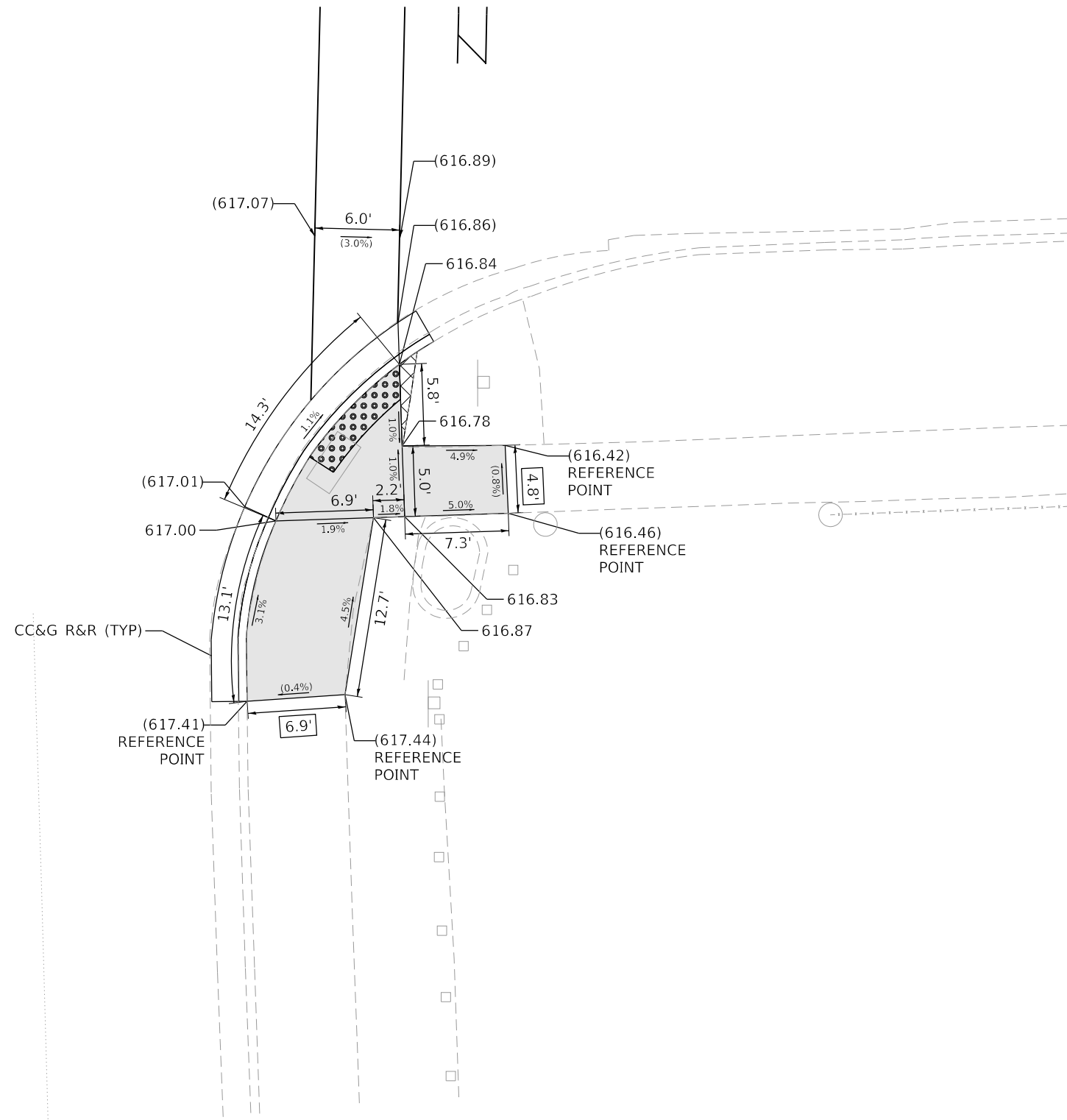
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 PROJECT: 2020-114-R5&SW
 DATE: 3/18/2021



USER NAME = bjamafl	DESIGNED - ATS	REVISED -
	DRAWN - ZP	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - BA	REVISED -
PLOT DATE = 3/18/2021	DATE -	REVISED -

74TH PLACE

IL 43 (HARLEM AVENUE)








REFERENCE BENCHMARK ELEV 617.51

BENCHMARK : CUT CROSS ON CONCRETE LIGHT POLE BASE

LOCATION : 44 FT EAST OF HARLEM AVENUE AT SE CORNER OF 74TH PL

LEGEND

-  PROPOSED SIDEWALK
-  DETECTABLE WARNINGS
-  EXISTING LENGTH
-  SIDEWALK REMOVAL REPLACE W/ TOPSOIL & SOD
-  EXISTING ELEVATION/SLOPE

MODEL: 74_74th_Place
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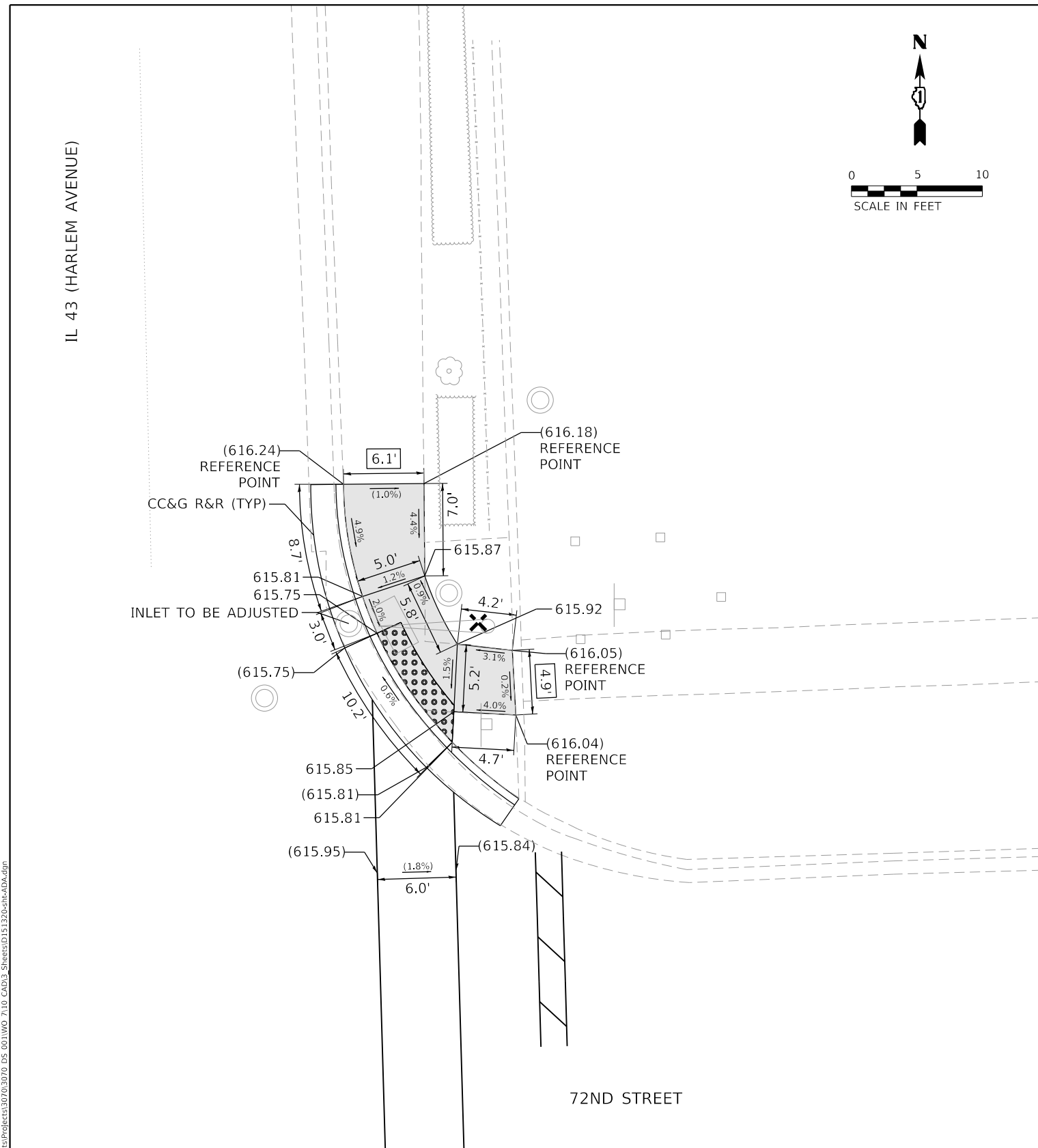
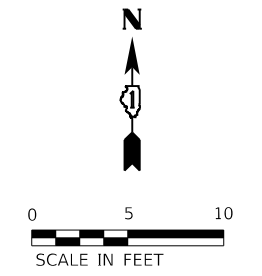
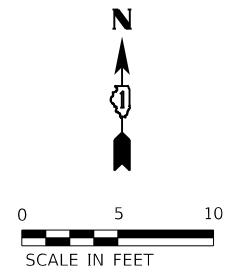
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PLOT DATE = 3/18/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**






**ADA SIDEWALK RAMP DETAILS
IL 43 (HARLEM AVENUE) AT 74TH PLACE**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-114-R5&SW	COOK	97	52
CONTRACT NO. 62L92				
ILLINOIS		FED. AID PROJECT		



LEGEND

-  PROPOSED SIDEWALK
-  DETECTABLE WARNINGS
-  EXISTING LENGTH
-  SIDEWALK REMOVAL REPLACE W/ TOPSOIL & SOD
-  EXISTING ELEVATION/SLOPE

MODEL: 72_72nd Street
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	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

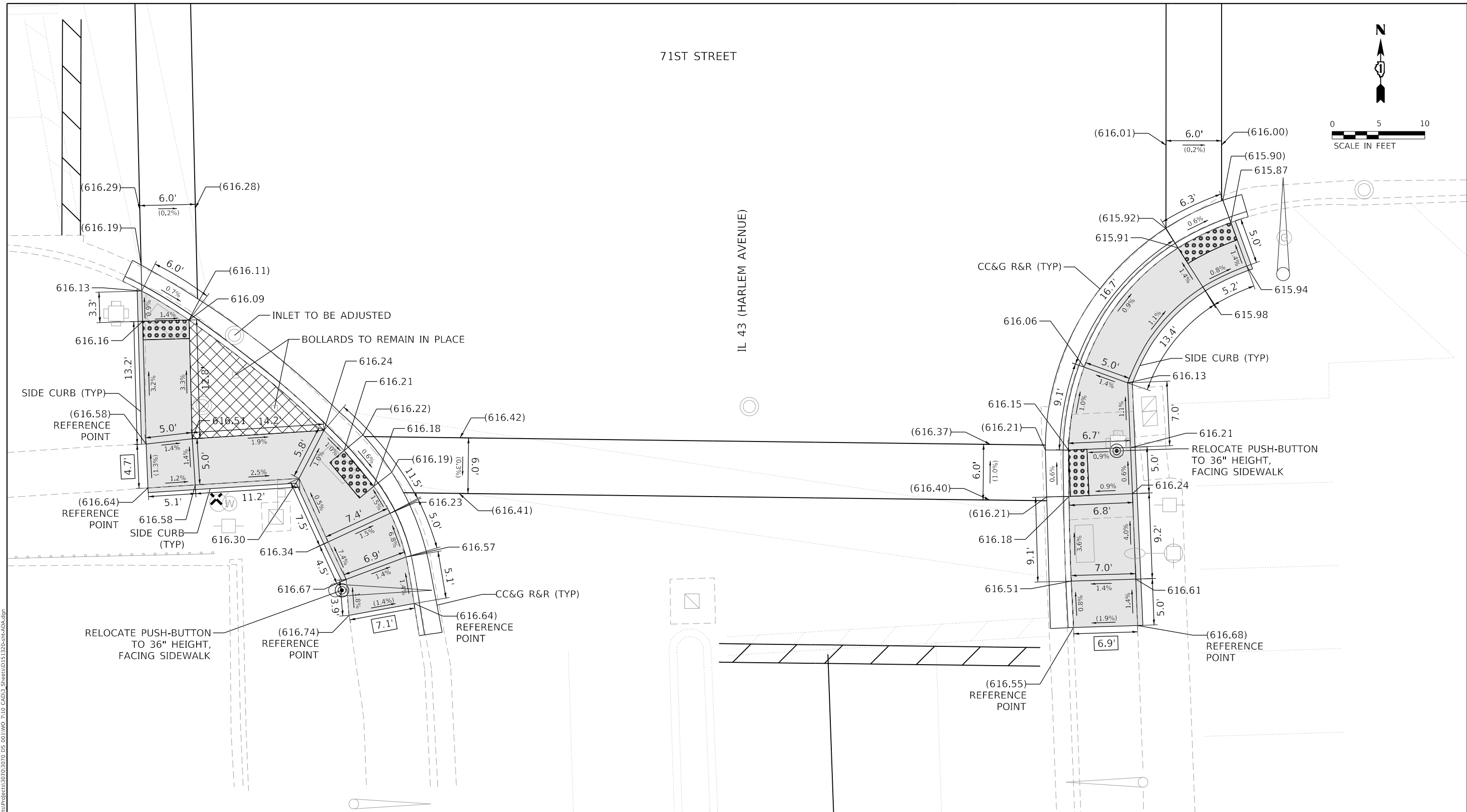
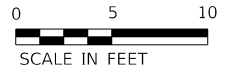
**ADA SIDEWALK RAMP DETAILS
 IL 43 (HARLEM AVENUE) AT 72ND STREET**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-114-R5&SW	COOK	97	54
CONTRACT NO. 62L92				
ILLINOIS FED. AID PROJECT				






71ST STREET

IL 43 (HARLEM AVENUE)



REFERENCE BENCHMARK ELEV 617.80
 BENCHMARK : CUT CROSS ON NW HYDRANT FLANGE BOLT
 LOCATION : 56 FT WEST OF HARLEM AVENUE AT SW CORNER OF 71ST ST

LEGEND

-  PROPOSED SIDEWALK
-  DETECTABLE WARNINGS
-  EXISTING LENGTH
-  SIDEWALK REMOVAL REPLACE W/ TOPSOIL & SOD
-  EXISTING ELEVATION/SLOPE

MODEL: 20_71st St_South
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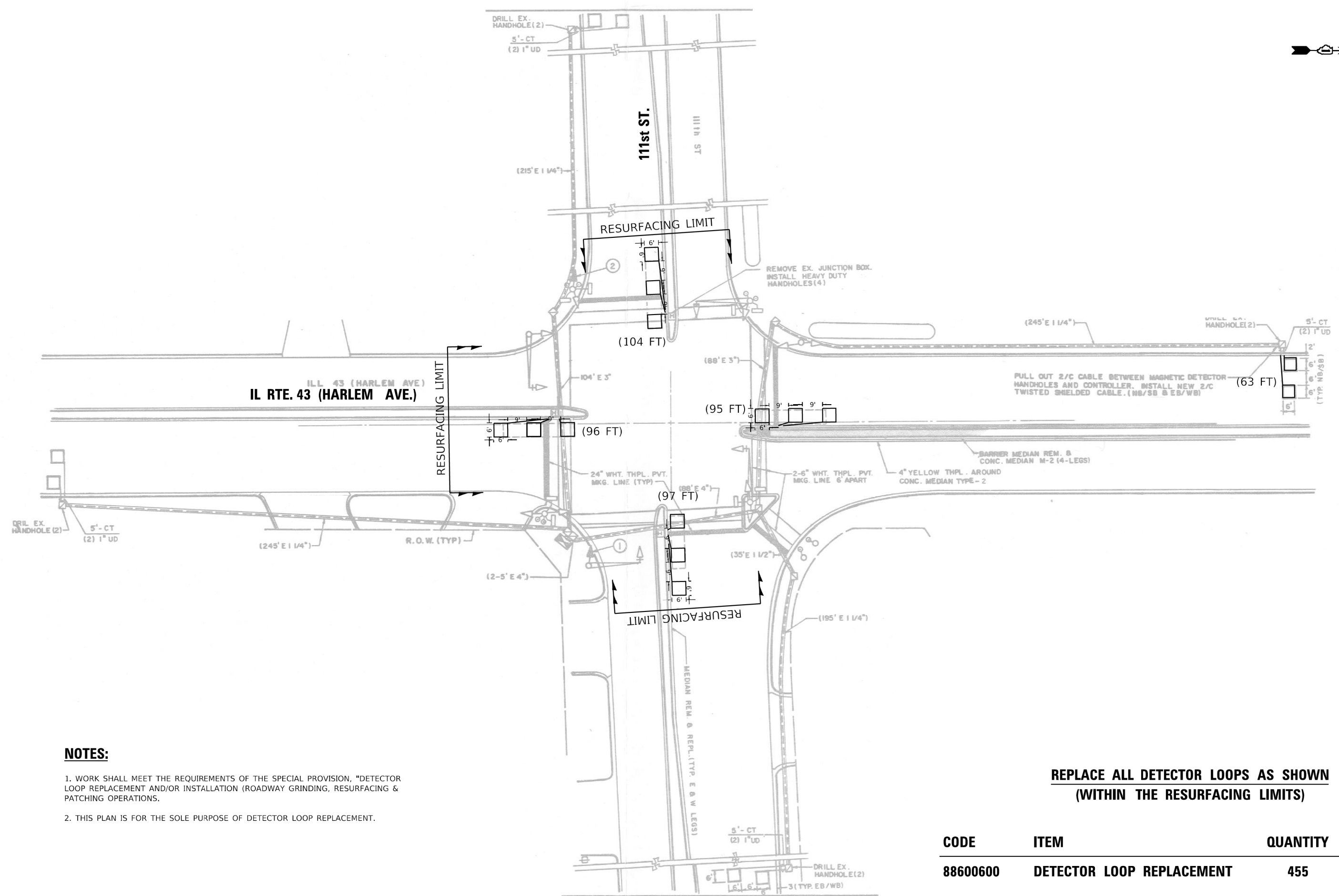
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PLOT DATE = 3/18/2021	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ADA SIDEWALK RAMP DETAILS
IL 43 (HARLEM AVENUE) AT 71ST STREET SOUTH

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-114-R5&SW	COOK	97	55
CONTRACT NO. 62L92				
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	455	FOOT

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 FILE NAME: S:\P\Plan\62L92\TIS 2210 - IL 43 Harlem Ave @ 111st St.dgn

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	DRAWN - CJ	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
IL 43 HARLEM AVE AT 111st ST.**

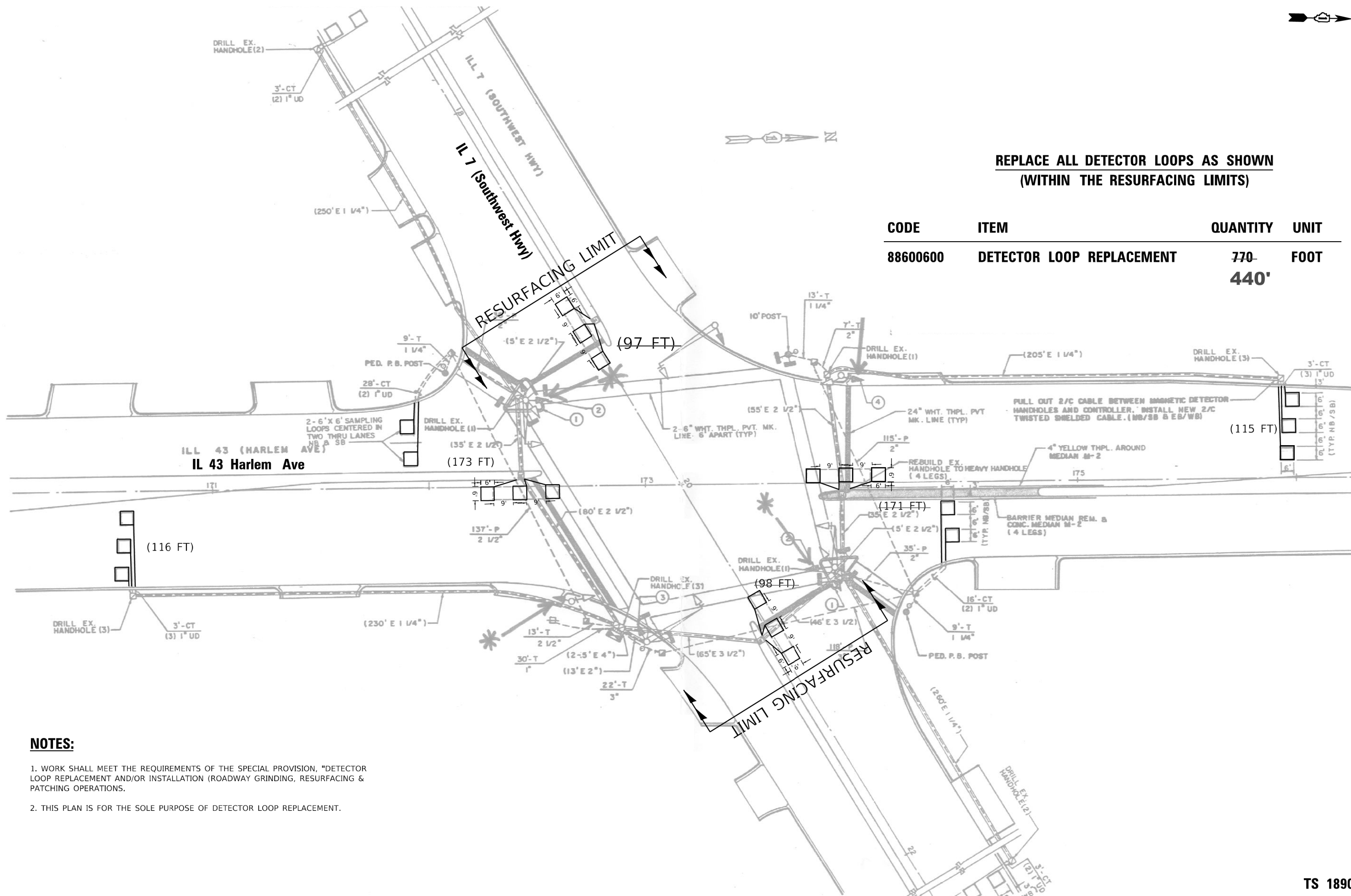
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F.A.P. RTE. 348	SECTION 2020-101-R5&SW	COUNTY COOK	TOTAL SHEETS 97	SHEET NO. 57
			CONTRACT NO. 62L92	
ILLINOIS FED. AID PROJECT				



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

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	770	FOOT
		440'	



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.

TS 1890

MODEL: Default
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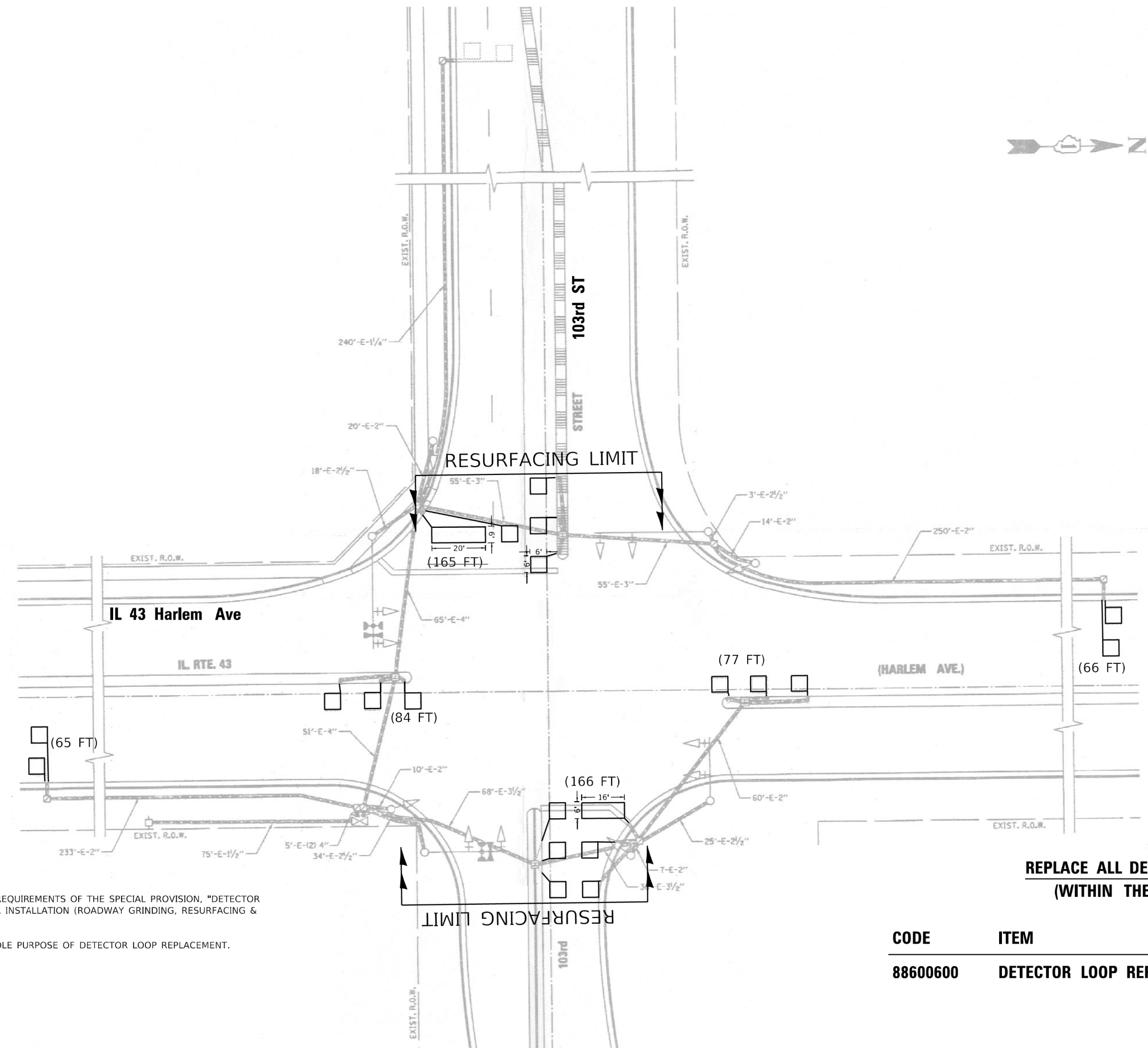
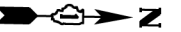
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PLOT DATE = 1/8/2021	DATE - 1/8/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
IL 43 Harlem Ave AT IL 7 (Southwest Hwy)**

SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 348	SECTION 2020-114-R5&SW	COUNTY COOK	TOTAL SHEETS 97	SHEET NO. 58
			CONTRACT NO. 62L92	
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	623	FOOT
		458'	

TS 2205

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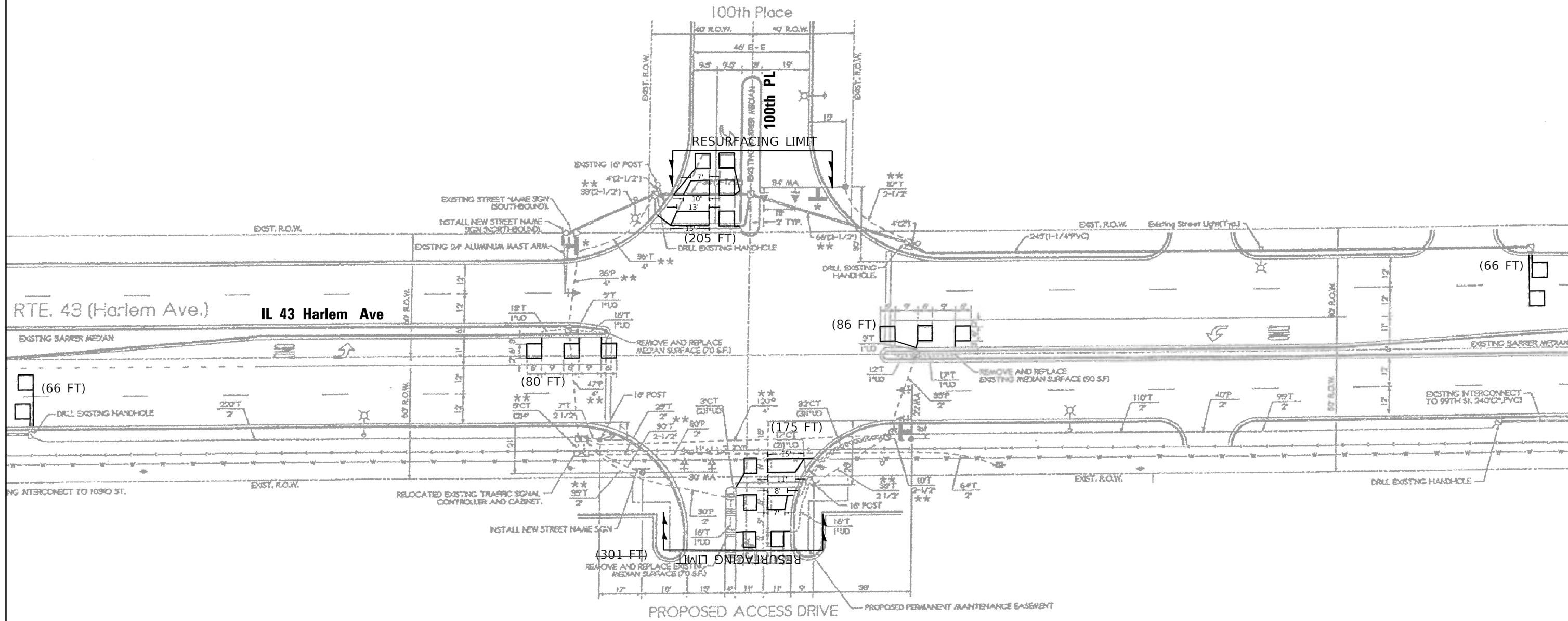
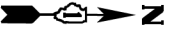
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PLOT DATE = 1/8/2021	DATE - 1/8/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
IL 43 Harlem Ave AT 103rd ST**

SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-114-R5&SW	COOK	97	59
CONTRACT NO. 62L92			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	678	FOOT
		377'	

TS 12530

MODEL Default
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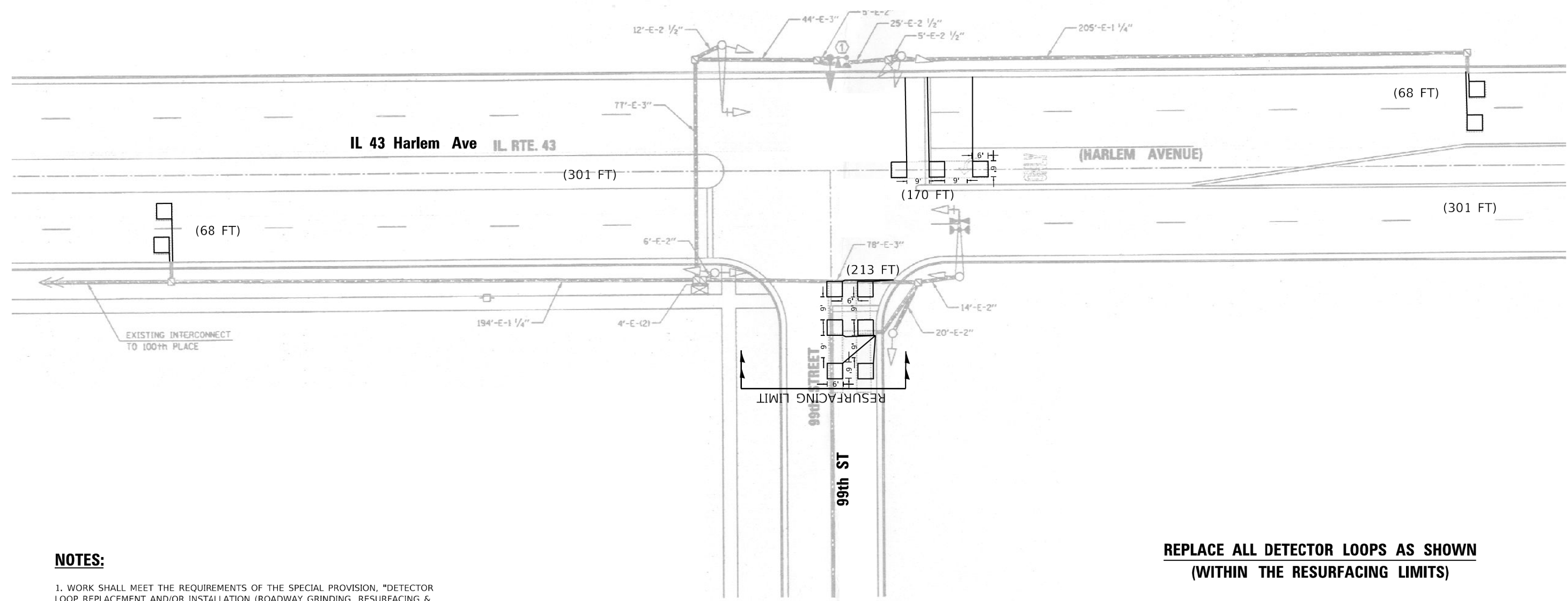
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PLOT DATE = 1/6/2021	DATE - 1/8/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
IL 43 Harlem Ave AT 100th PL**

SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 348	SECTION 2020-114-R5&SW	COUNTY COOK	TOTAL SHEETS 97	SHEET NO. 60
			CONTRACT NO. 62L92	
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	519	FOOT

TS 2200

MODEL: Default
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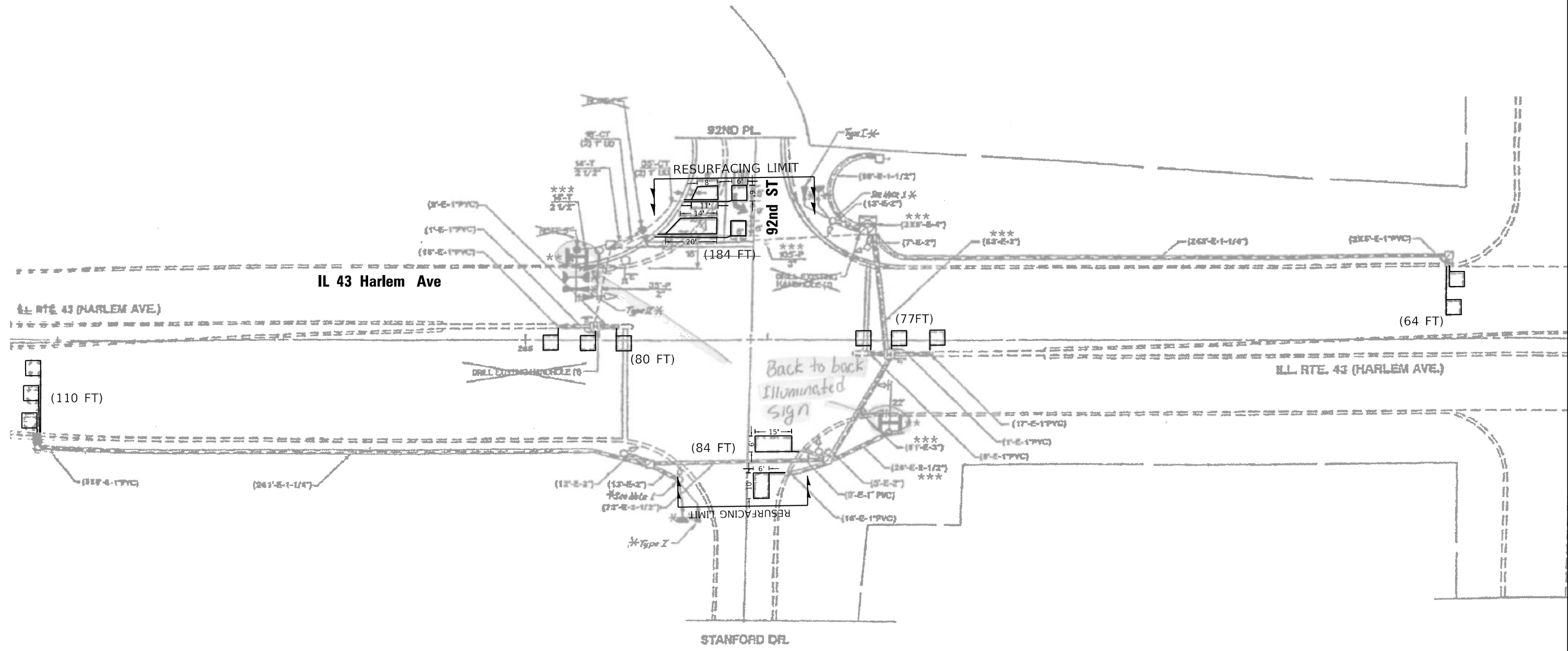
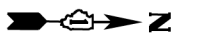
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PLOT DATE = 1/8/2021	DATE - 1/8/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
IL 43 Harlem Ave AT 99th ST**

SCALE: 1"=20'
SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 348	SECTION 2020-114-R5&SW	COUNTY COOK	TOTAL SHEETS 97	SHEET NO. 61
			CONTRACT NO. 62L92	
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	599	FOOT
		415'	

TS 2335

MODEL: Default
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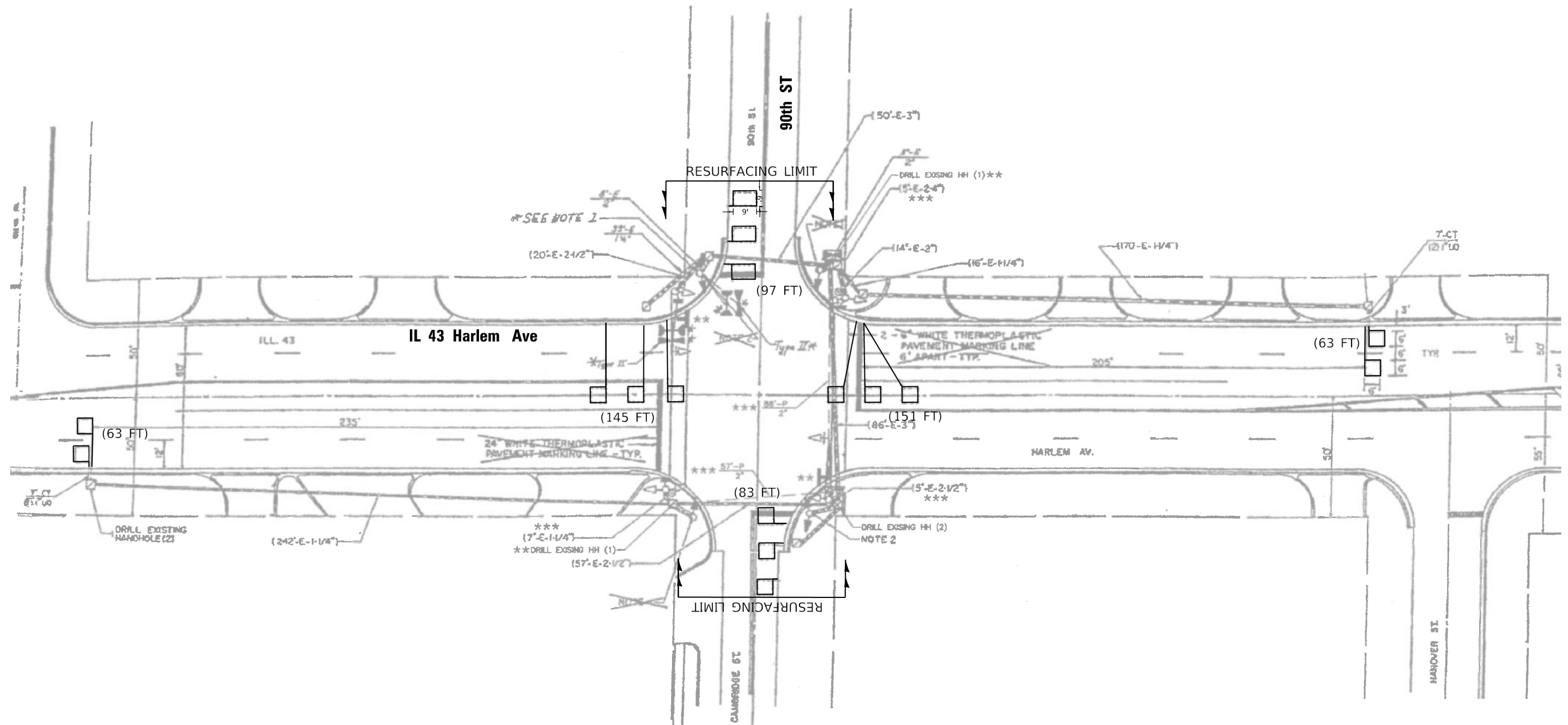
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PLOT DATE = 1/8/2021	DATE - 1/8/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
IL 43 Harlem Ave AT 92nd ST**

SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 348	SECTION 2020-114-R5&SW	COUNTY COOK	TOTAL SHEETS 97	SHEET NO. 62
			CONTRACT NO. 62L92	
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	602	FOOT

TS 2195

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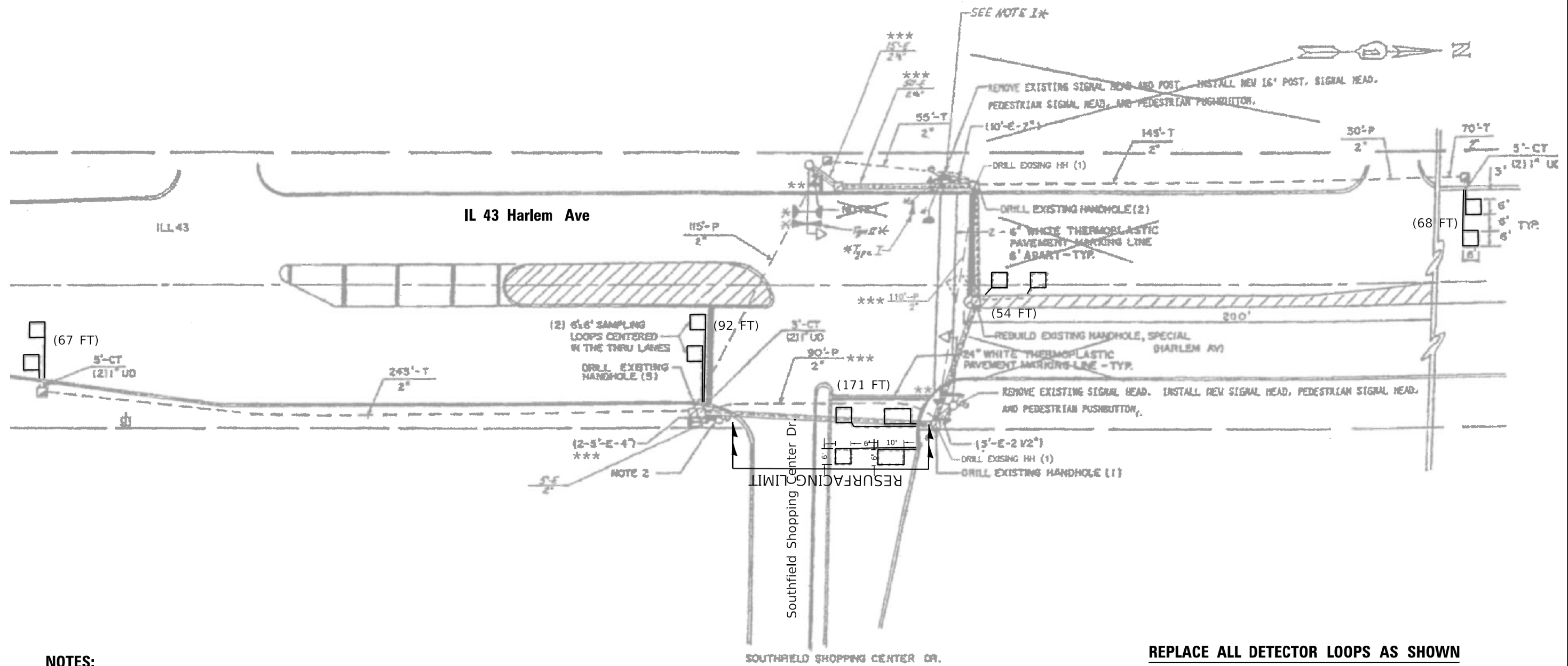
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PLOT DATE = 1/8/2021	DATE - 1/8/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
IL 43 Harlem Ave AT 90th ST**

SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-114-R5&SW	COOK	97	63
			CONTRACT NO. 62L92	
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	452	FOOT

TS 2190

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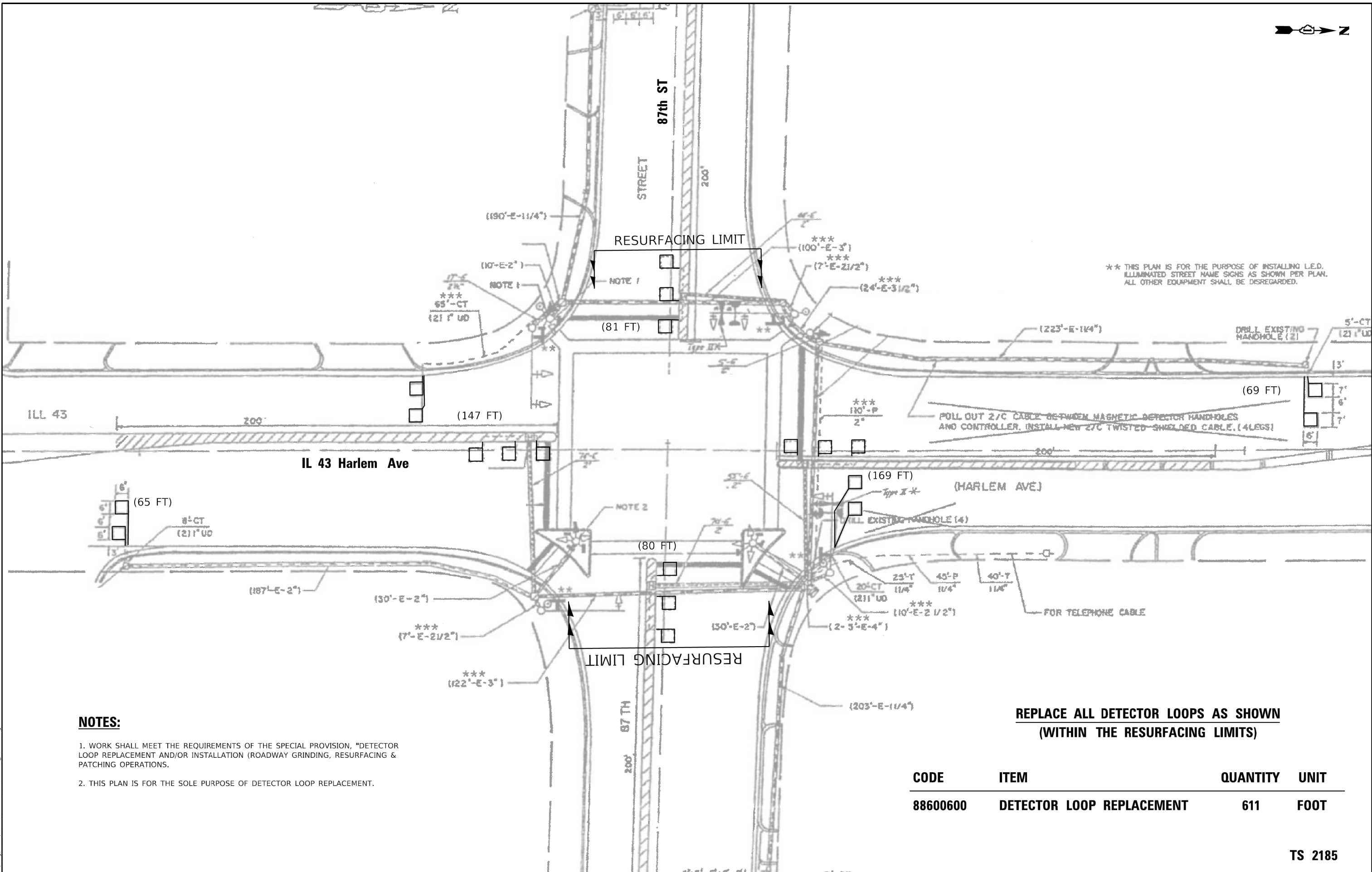
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PLOT DATE = 1/8/2021	DATE - 1/8/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
IL 43 Harlem Ave AT Southfield Shopping Center Dr.**

SCALE: 1":20' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-114-R5&SW	COOK	97	64
			CONTRACT NO. 62L92	
ILLINOIS FED. AID PROJECT				



** THIS PLAN IS FOR THE PURPOSE OF INSTALLING L.E.D. ILLUMINATED STREET NAME SIGNS AS SHOWN PER PLAN. ALL OTHER EQUIPMENT SHALL BE DISREGARDED.

PULL OUT 2/C CABLE BETWEEN MAGNETIC DETECTOR HANDHOLES AND CONTROLLER. INSTALL NEW 2/C TWISTED SHIELDED CABLE. (4 LEGS)

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	611	FOOT

TS 2185

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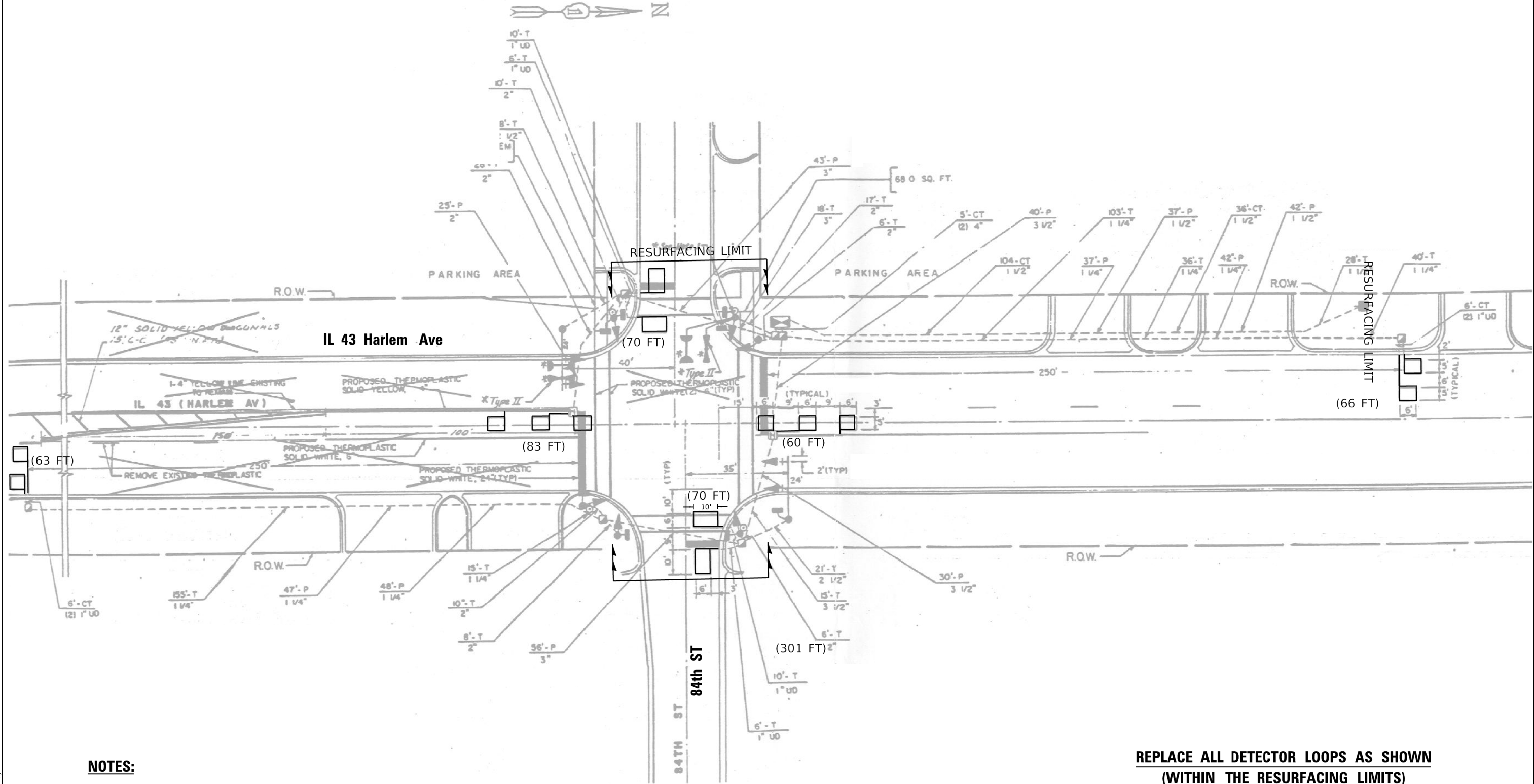
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PLOT DATE = 1/8/2021	DATE - 1/8/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
IL 43 Harlem Ave AT 87th ST**

SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-114-R5&SW	COOK	97	65
			CONTRACT NO. 62L92	
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	412	FOOT

TS 2340

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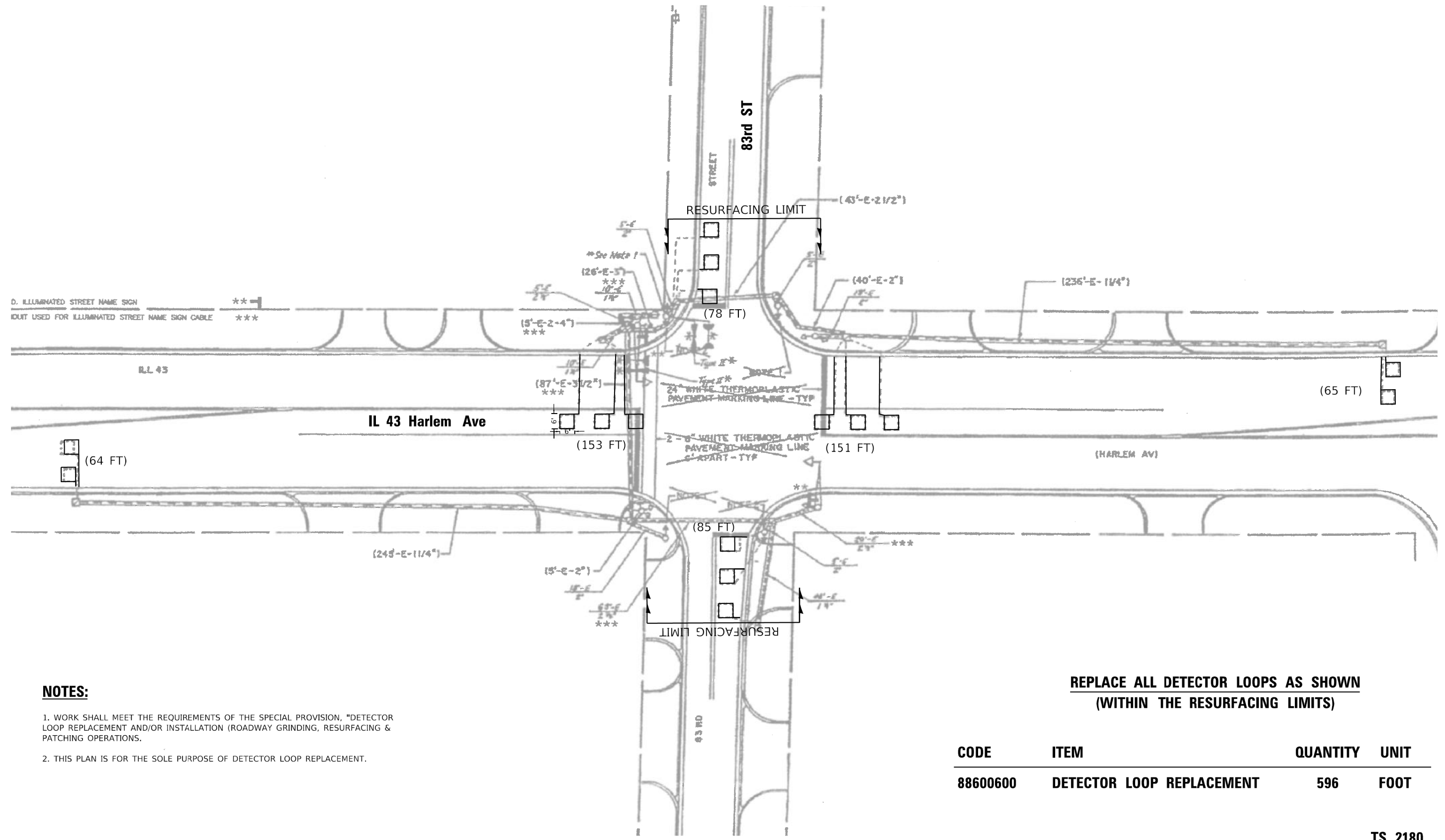
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PLOT DATE = 1/8/2021	DATE - 1/8/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
IL 43 Harlem Ave AT 84th ST**

SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 348	SECTION 2020-114-R5&SW	COUNTY COOK	TOTAL SHEETS 97	SHEET NO. 66
			CONTRACT NO. 62L92	
ILLINOIS FED. AID PROJECT				



D. ILLUMINATED STREET NAME SIGN ***
 IDUIT USED FOR ILLUMINATED STREET NAME SIGN CABLE ***

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	596	FOOT

TS 2180

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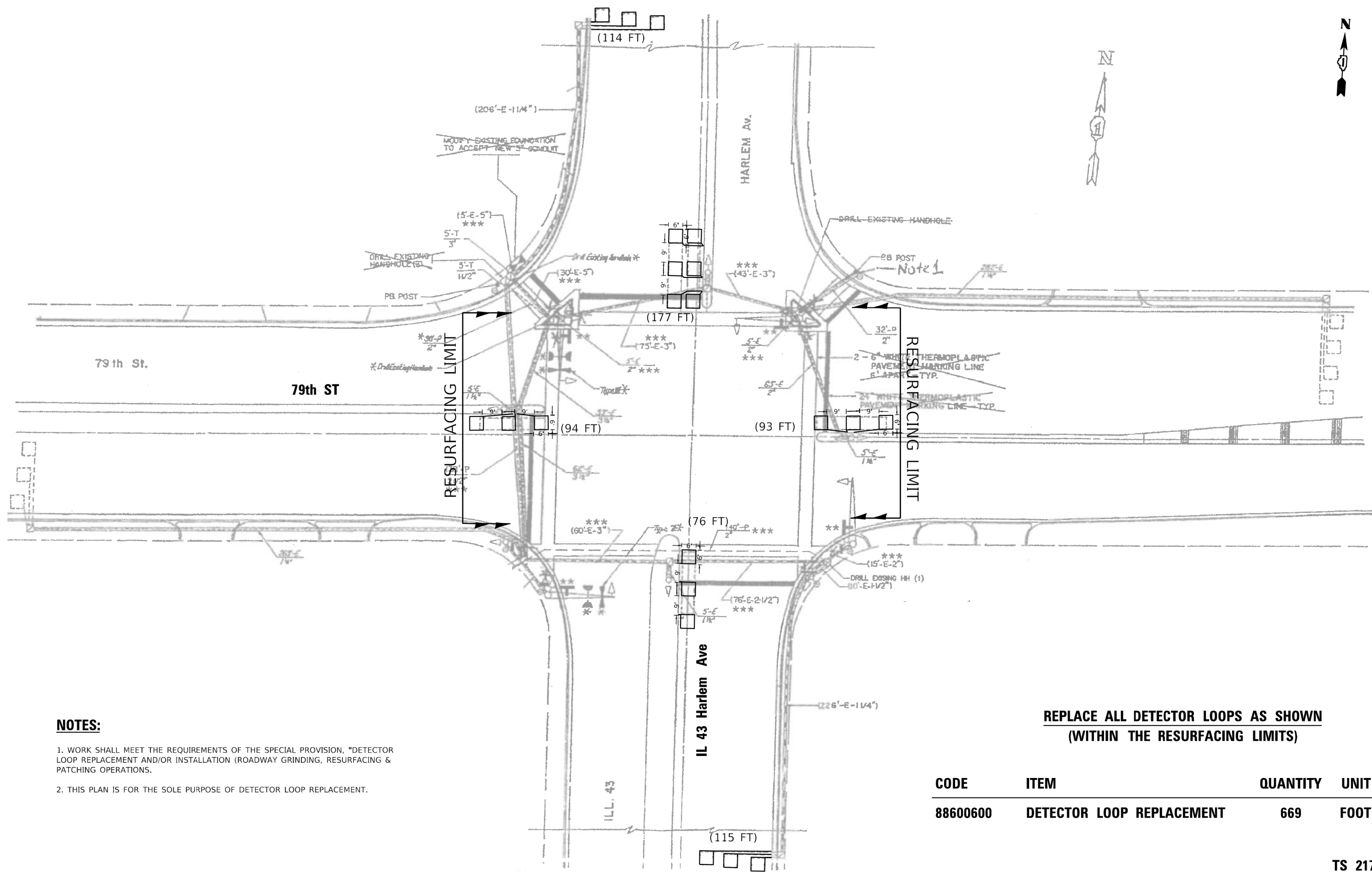
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PLOT DATE = 1/8/2021	DATE - 1/8/2020	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
 IL 43 Harlem Ave AT 83rd ST**

SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 348	SECTION 2020-114-R5&SW	COUNTY COOK	TOTAL SHEETS 97	SHEET NO. 67
			CONTRACT NO. 62L92	
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	669	FOOT

TS 2175

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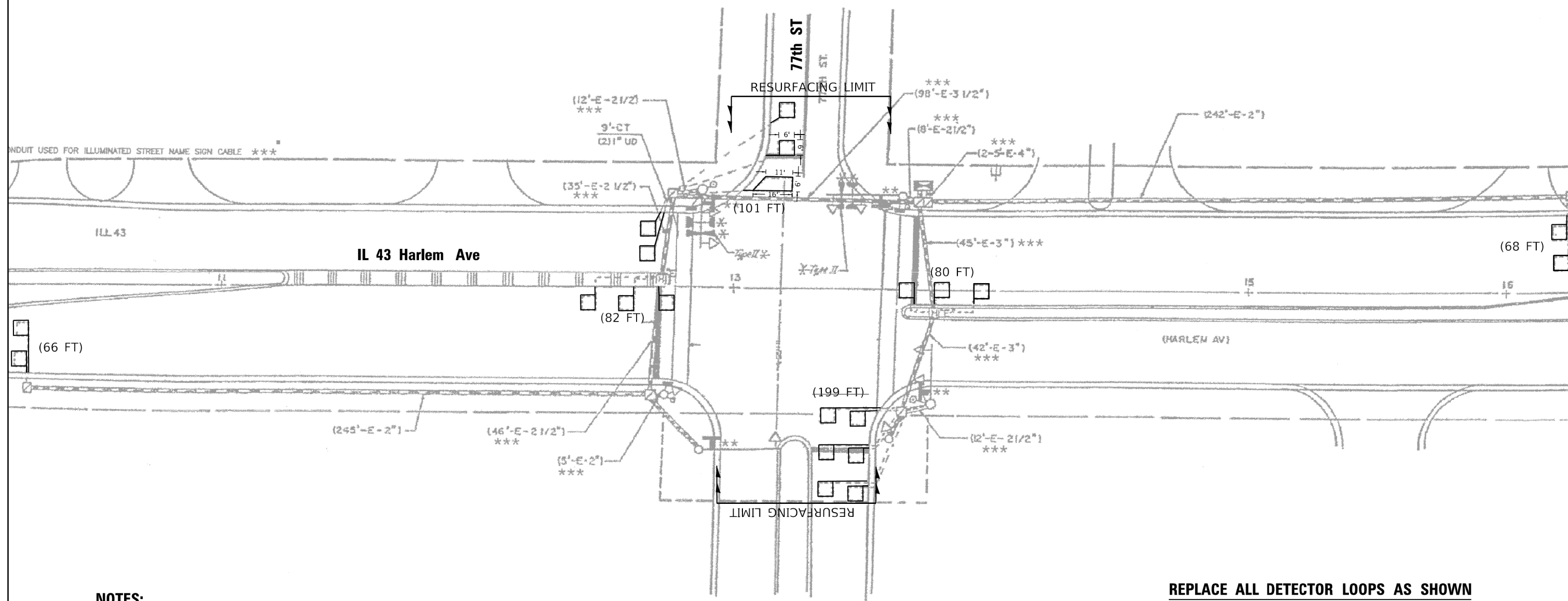
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PLOT DATE = 1/7/2021	DATE - 1/8/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
IL 43 Harlem Ave AT 79th ST**

SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 348	SECTION 2020-114-R5&SW	COUNTY COOK	TOTAL SHEETS 97	SHEET NO. 68
			CONTRACT NO. 62L92	
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	596	FOOT
		397'	

TS 2345

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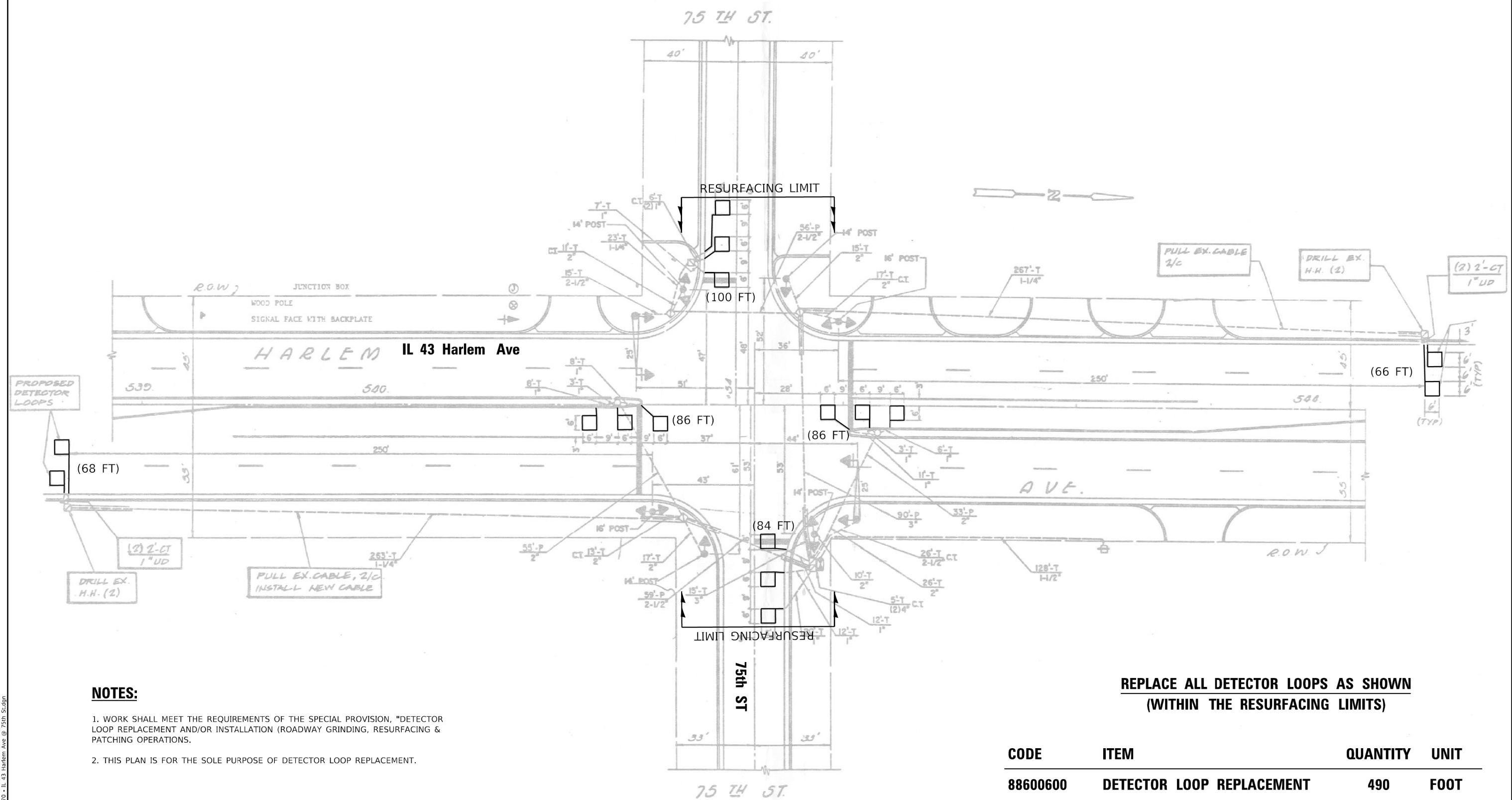
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
IL 43 Harlem Ave AT 77th ST**

SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 348	SECTION 2020-114-R5&SW	COUNTY COOK	TOTAL SHEETS 97	SHEET NO. 69
			CONTRACT NO. 62L92	
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.

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

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	490	FOOT

TS 2170

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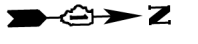
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PLOT DATE = 1/7/2021	DATE - 1/8/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

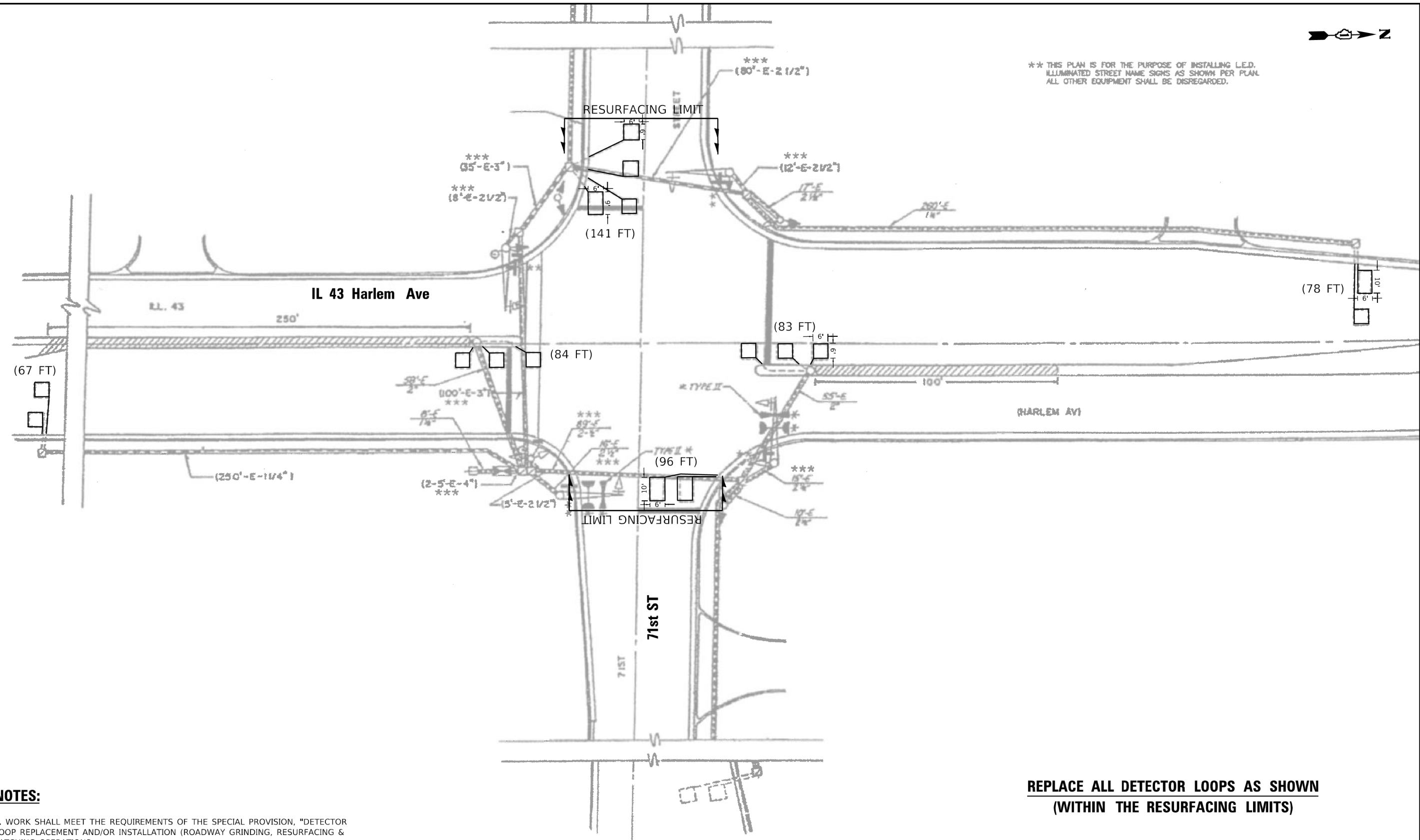
**DETECTOR LOOP REPLACEMENT PLAN
IL 43 Harlem Ave AT 75th ST**

SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 348	SECTION 2020-114-R5&SW	COUNTY COOK	TOTAL SHEETS 97	SHEET NO. 70
			CONTRACT NO. 62L92	
ILLINOIS FED. AID PROJECT				



** THIS PLAN IS FOR THE PURPOSE OF INSTALLING L.E.D. ILLUMINATED STREET NAME SIGNS AS SHOWN PER PLAN. ALL OTHER EQUIPMENT SHALL BE DISREGARDED.



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	549	FOOT

TS 2165

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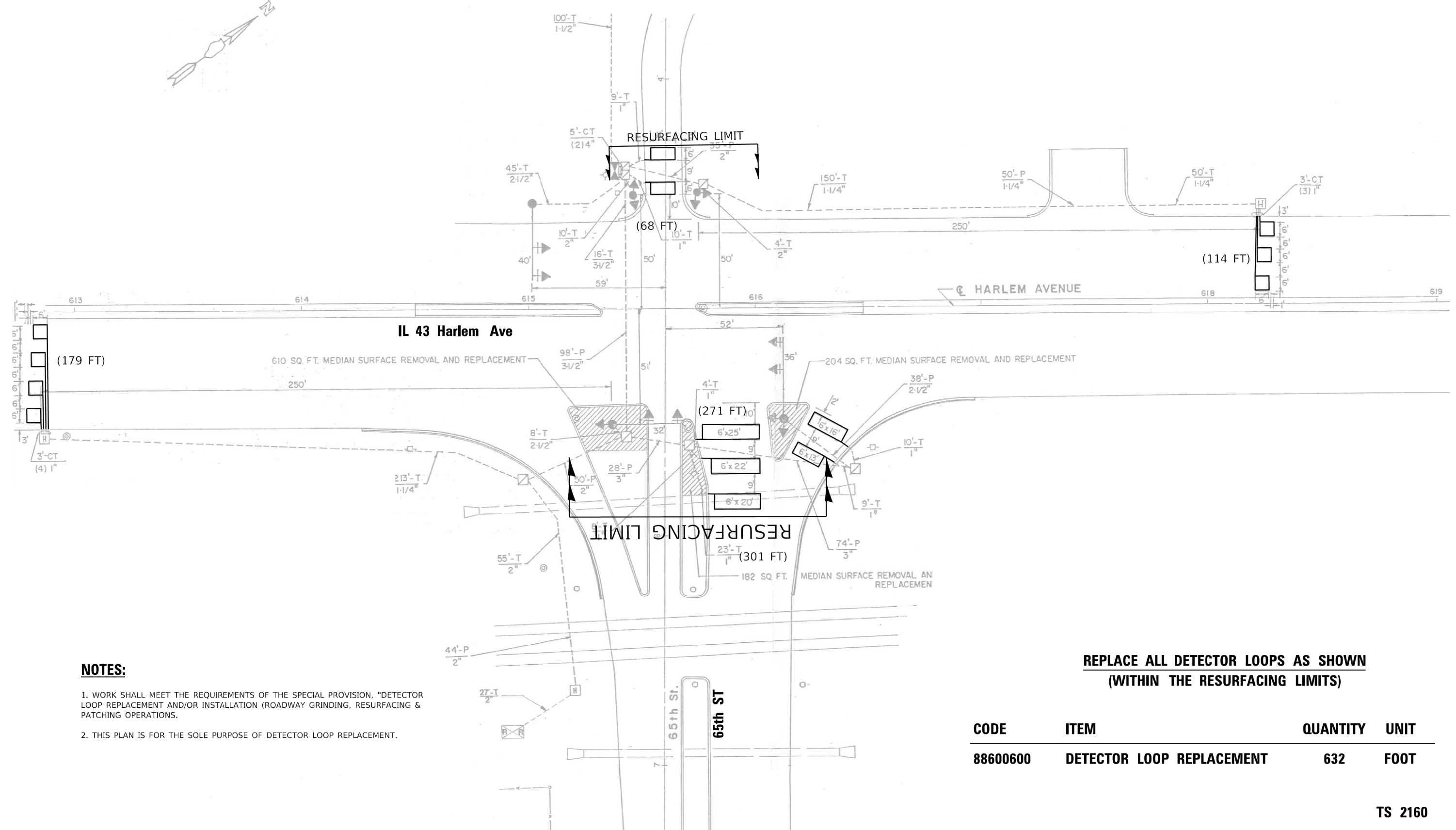
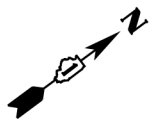
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PLOT DATE = 1/7/2021	DATE - 1/8/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
IL 43 Harlem Ave AT 71st ST**

SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 348	SECTION 2020-114-R5&SW	COUNTY COOK	TOTAL SHEETS 97	SHEET NO. 71
CONTRACT NO. 62L92			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.

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

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	632	FOOT

TS 2160

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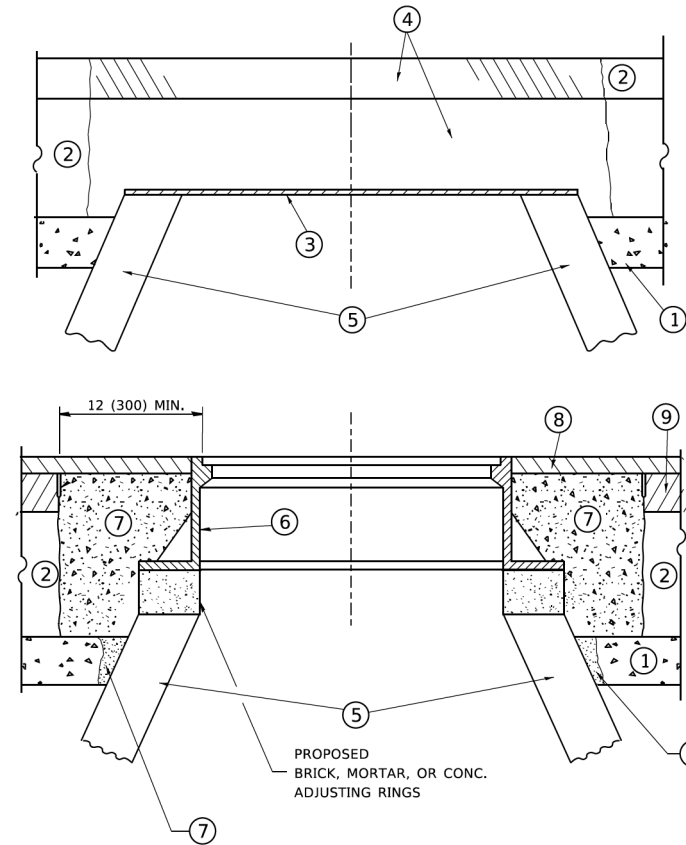
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PLOT DATE = 1/7/2021	CHECKED - LP	REVISED -
	DATE - 1/8/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
IL 43 Harlem Ave AT 65th ST**

SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 348	SECTION 2020-114-R5&SW	COUNTY COOK	TOTAL SHEETS 97	SHEET NO. 72
		CONTRACT NO. 62L92		
		ILLINOIS FED. AID PROJECT		



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 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.

NOTES

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

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

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

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

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

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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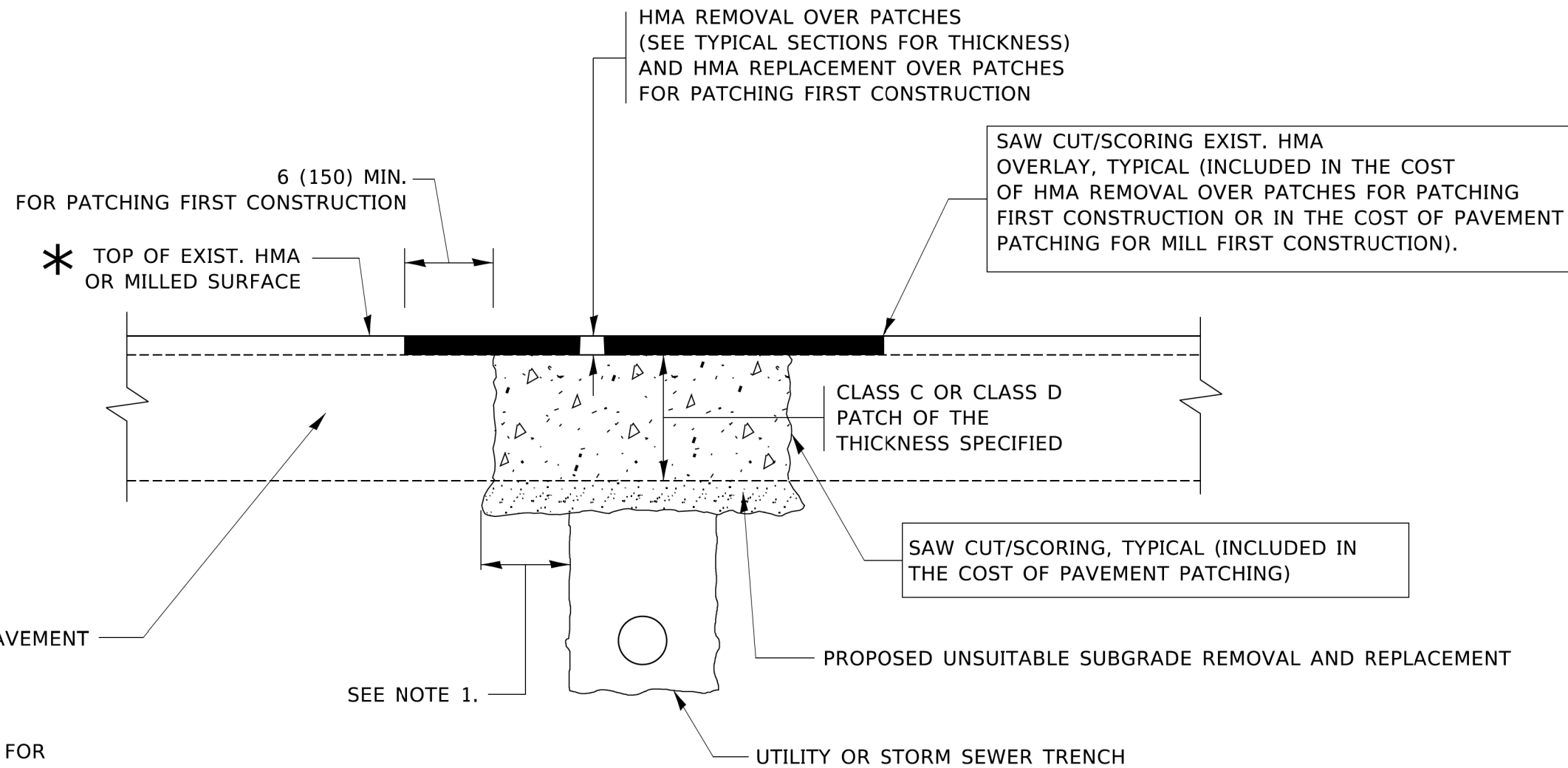
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PLOT DATE = 3/27/2019	DATE - 10-25-94	REVISED - R. BORO 12-06-11

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-114-R5&SW	COOK	97	73
BD600-03 (BD-8)		CONTRACT NO. 62L92		
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 4½ 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.

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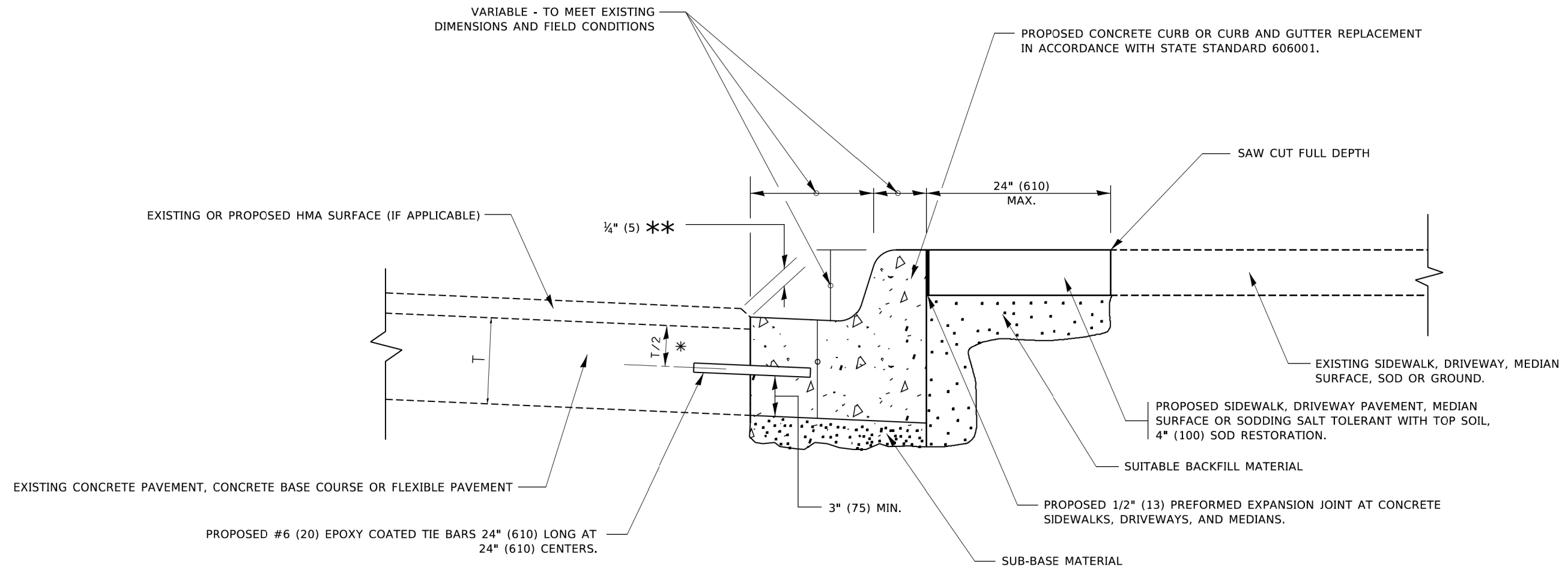
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PLOT DATE = 3/27/2019	DATE - 10-25-94	REVISED - K. ENG 10-27-08

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR
HMA SURFACED PAVEMENT

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-114-R5&SW	COOK	97	74
BD400-04 (BD-22)		CONTRACT NO. 62L92		
ILLINOIS FED. AID PROJECT				



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

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

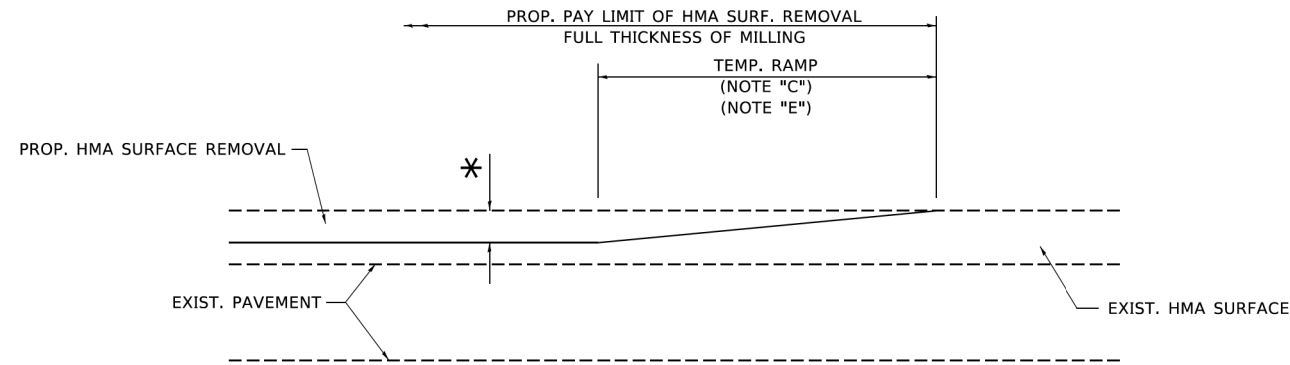
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PLOT DATE = 7/11/2019	DATE - 03-11-94	REVISED - K. SMITH 07-11-19

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

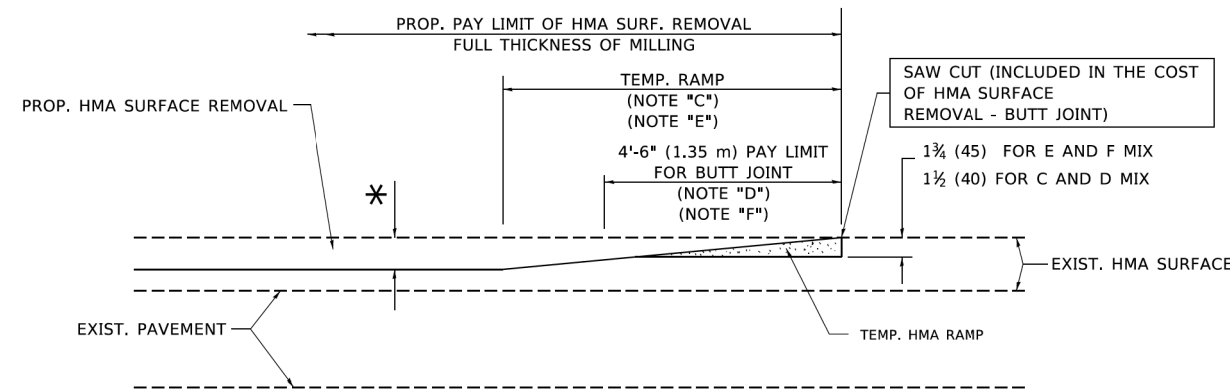
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348	2020-114-R5&SW	COOK	97	75
BD600-06 (BD-24)		CONTRACT NO. 62L92		
ILLINOIS FED. AID PROJECT				



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

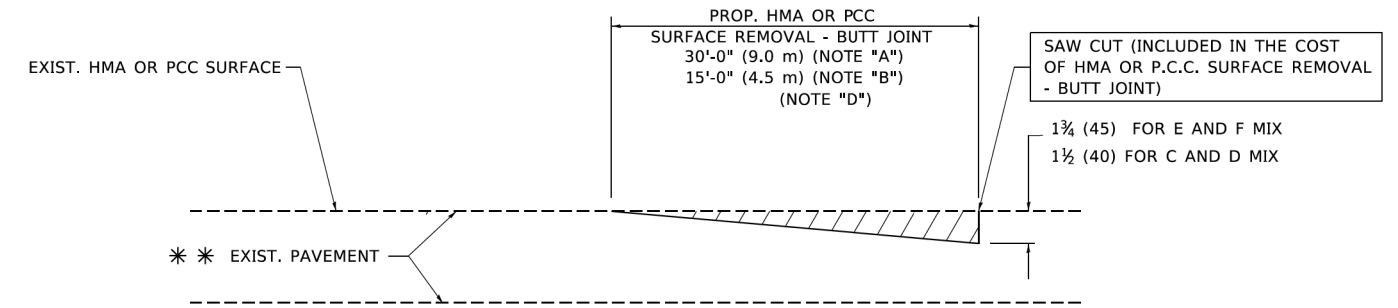


HMA CONSTRUCTED TEMPORARY RAMP

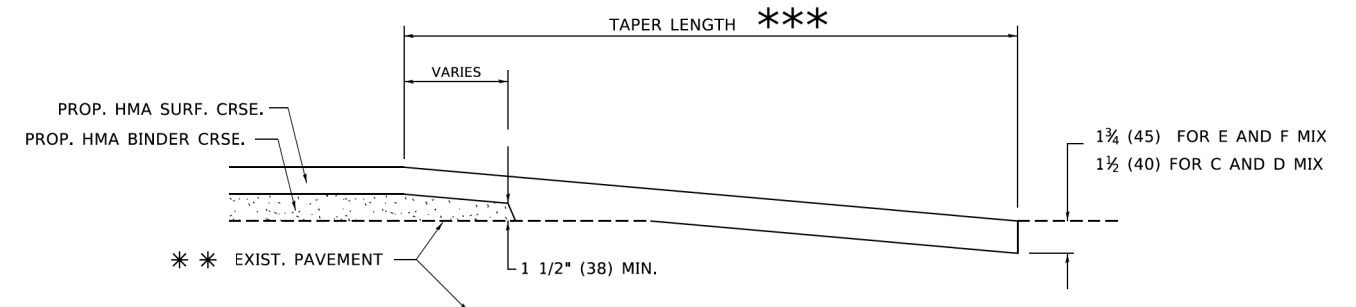
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

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

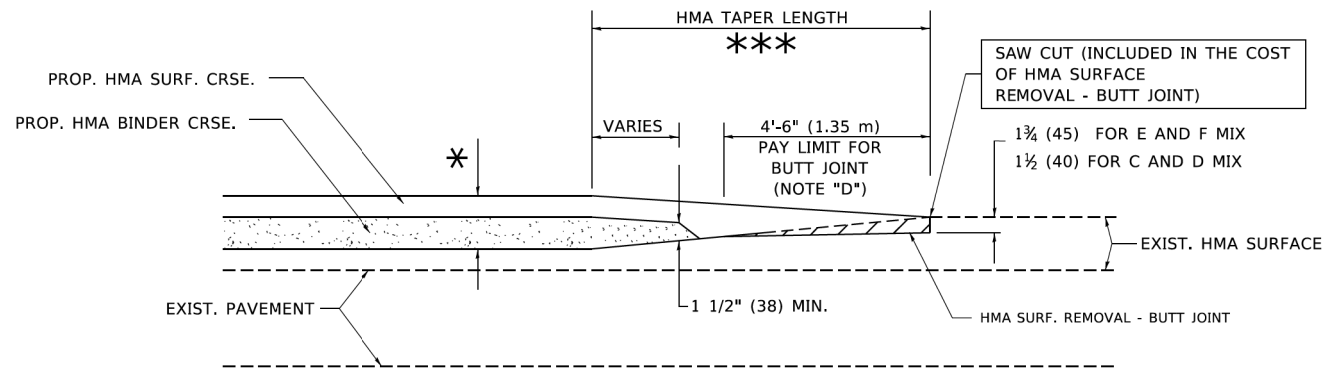
NOTES

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



BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

MODEL: Default
FILE: \\miller-prod\plancom\edc_illinois\pwr\DOT\Documents\DOT_Offices\District_1\Projects\Dist1\5127231\CADD\ba\CADsheets\B32.dgn

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	DRAWN -	REVISED - A. ABBAS 03-21-97
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PLOT DATE = 3/27/2019	DATE - 06-13-90	REVISED - R.BORO 01-01-07

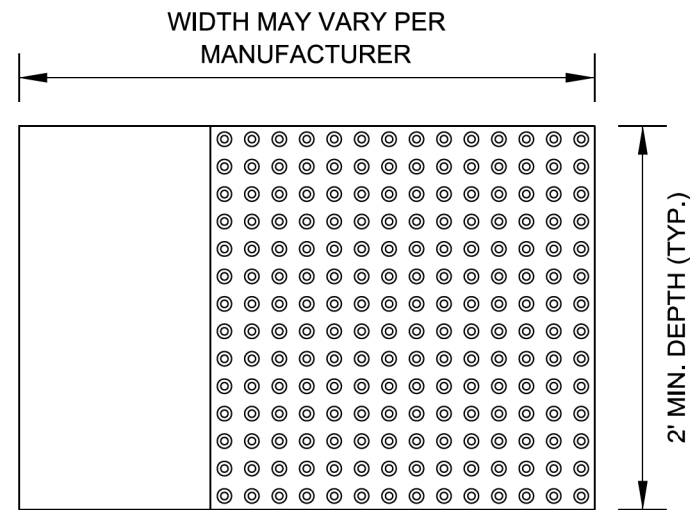
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND
HMA TAPER DETAILS**

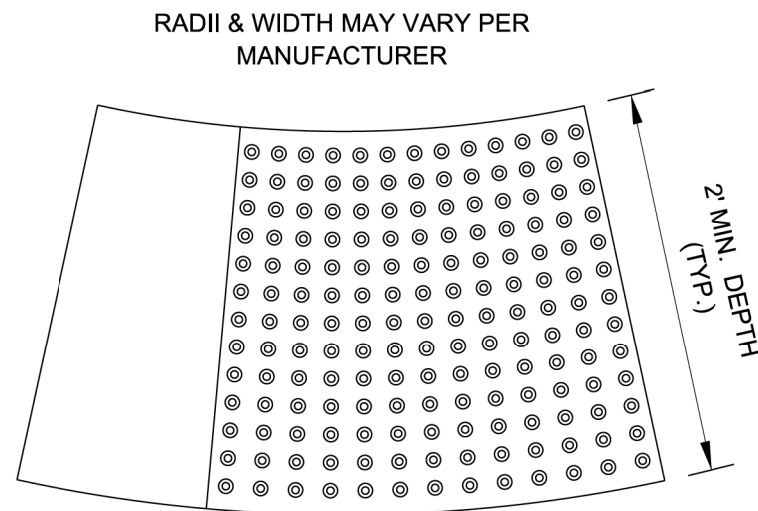
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-114-R5&SW	COOK	97	76
BD400-05 BD32		CONTRACT NO. 62L92		
ILLINOIS FED. AID PROJECT				

STRAIGHT DETECTABLE WARNING UNITS



RADIAL DETECTABLE WARNING UNITS

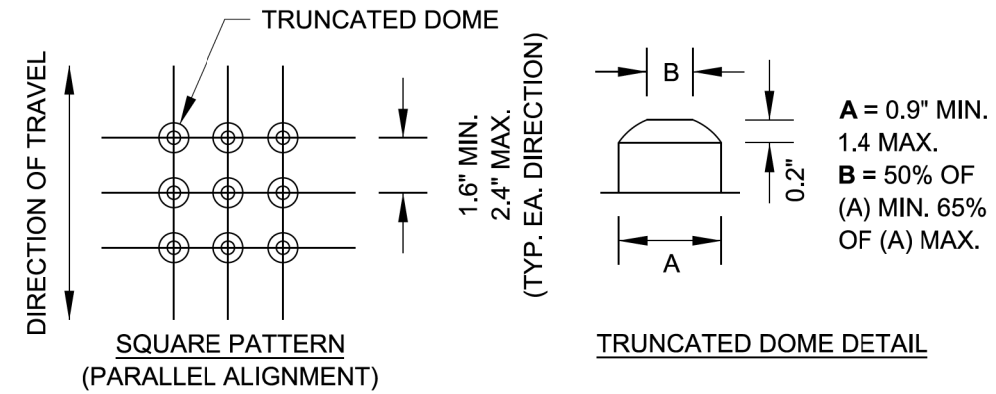


DETECTABLE WARNING UNIT SIZES

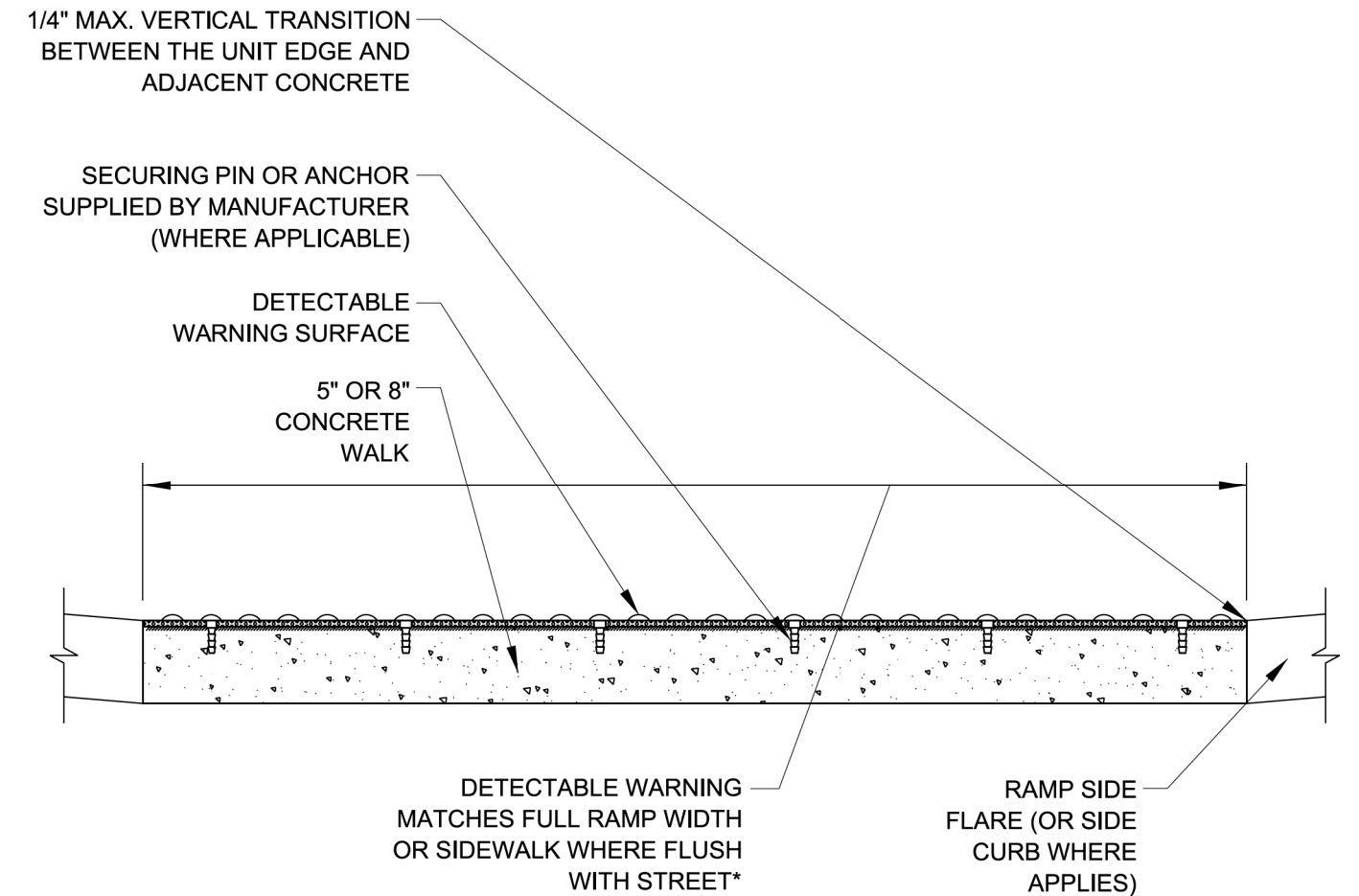
- VERIFY ALL DIMENSIONS WITH THE PRODUCT MANUFACTURER.
- IF USING RADIAL UNITS, VERIFY THAT THE CURB RADIUS MATCHES AVAILABLE UNIT RADII WITH THE PRODUCT MANUFACTURER.

GENERAL NOTE:

THE ROWS OF DOMES IN THE DETECTABLE WARNING MATERIAL MUST BE ALIGNED WITH THE PATH OF WHEELCHAIR TRAVEL WHICH IS REQUIRED TO BE PERPENDICULAR TO THE GRADE BREAK AT THE BOTTOM OF THE RAMP TO PERMIT TRACKING BETWEEN DOME ROWS. ON BLENDED TRANSITIONS OR FLUSH TRANSITIONS, WHERE RADIAL UNITS ARE SITUATED ABOUT THE CURB RADIUS, DOME ORIENTATION IS NOT SIGNIFICANT.



UNIT PATTERN & DOME DETAIL



*A BORDER OF 2 INCHES OR LESS AROUND THE DETECTABLE WARNING SURFACE IS ACCEPTABLE IF REQUIRED FOR PROPER INSTALLATION OF THE DETECTABLE WARNING SURFACE PRODUCT

DETECTABLE WARNING UNIT SECTION

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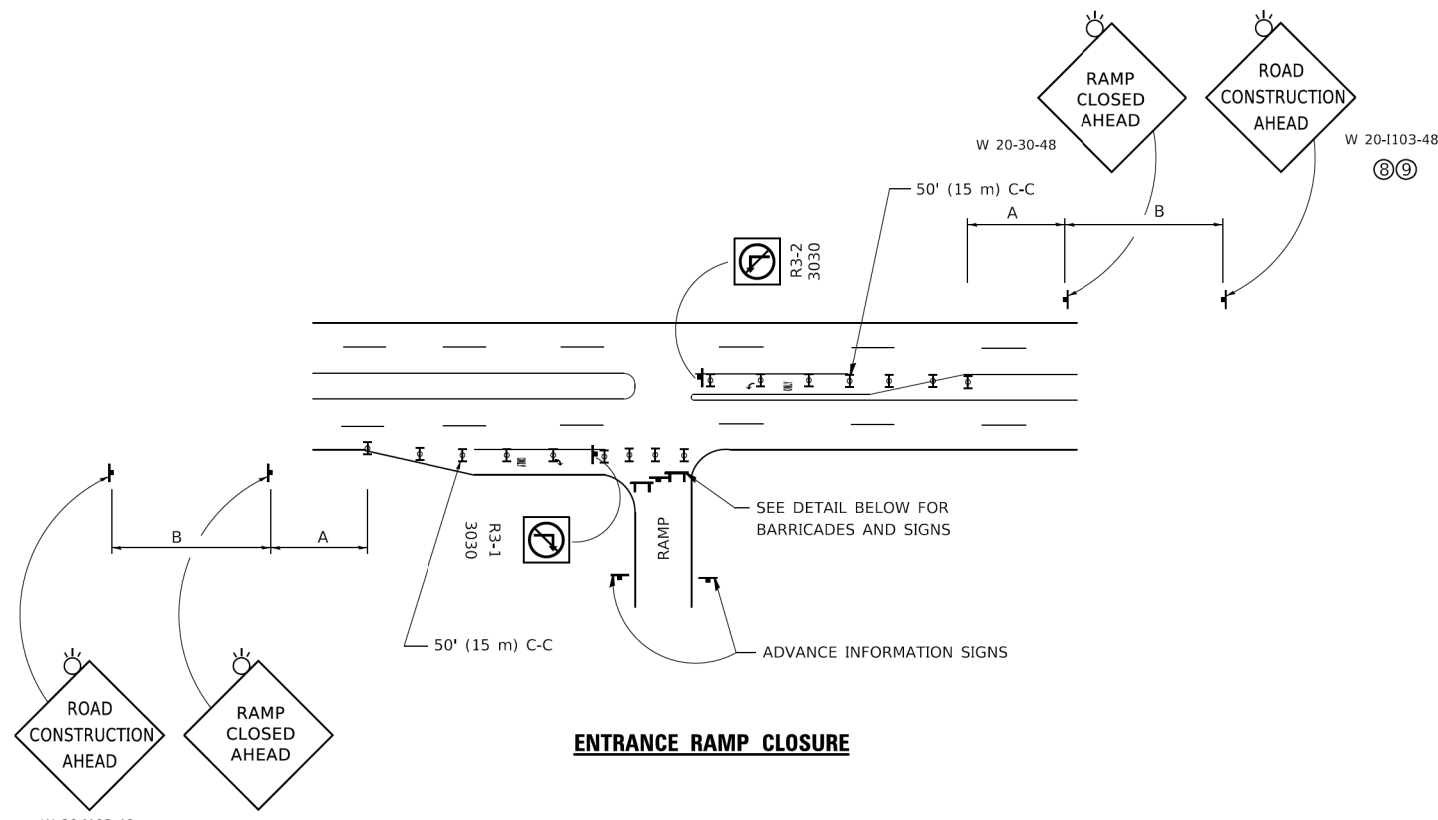
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	DRAWN -	REVISED -
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PLOT DATE = 10/8/2019	DATE - 06-20-2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CITY OF CHICAGO
DETECTABLE WARNINGS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-114-R5&SW	COOK	97	77
BD 58		CONTRACT NO. 62L92		
ILLINOIS FED. AID PROJECT				

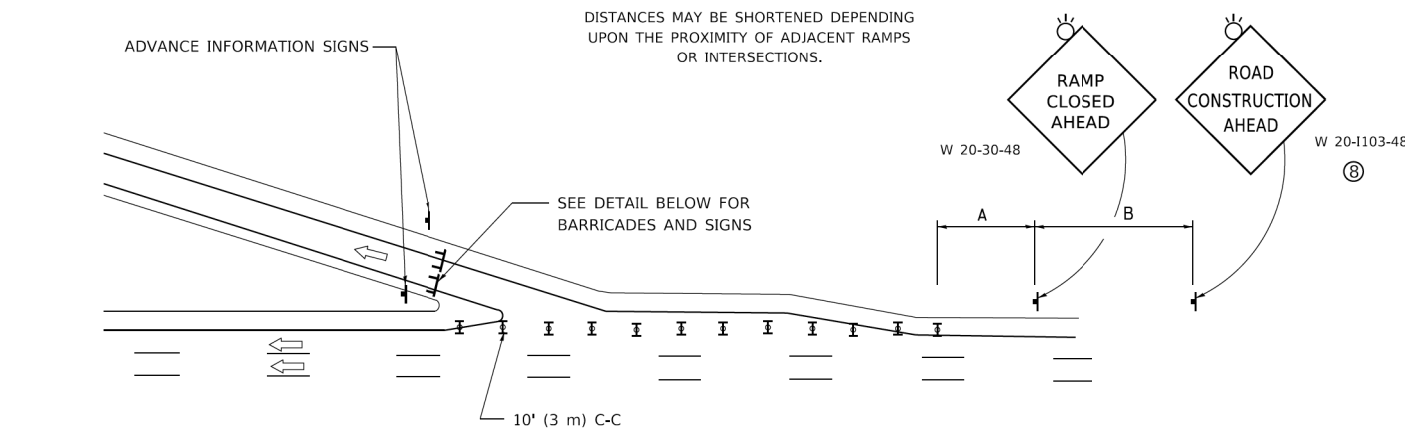


ENTRANCE RAMP CLOSURE

SIGN SPACING TABLE

FACILITY	DISTANCE BETWEEN SIGNS	
	A	B
EXPRESSWAY >24 HOURS	1000' (300 m)	1500' (450 m)
EXPRESSWAY ≤24 HOURS	500' (150 m)	500' (150 m)
ARTERIAL 55 MPH	500' (150 m)	500' (150 m)
ARTERIAL 50-45 MPH	350' (100 m)	350' (100 m)
ARTERIAL <45 MPH	200' (60 m)	200' (60 m)

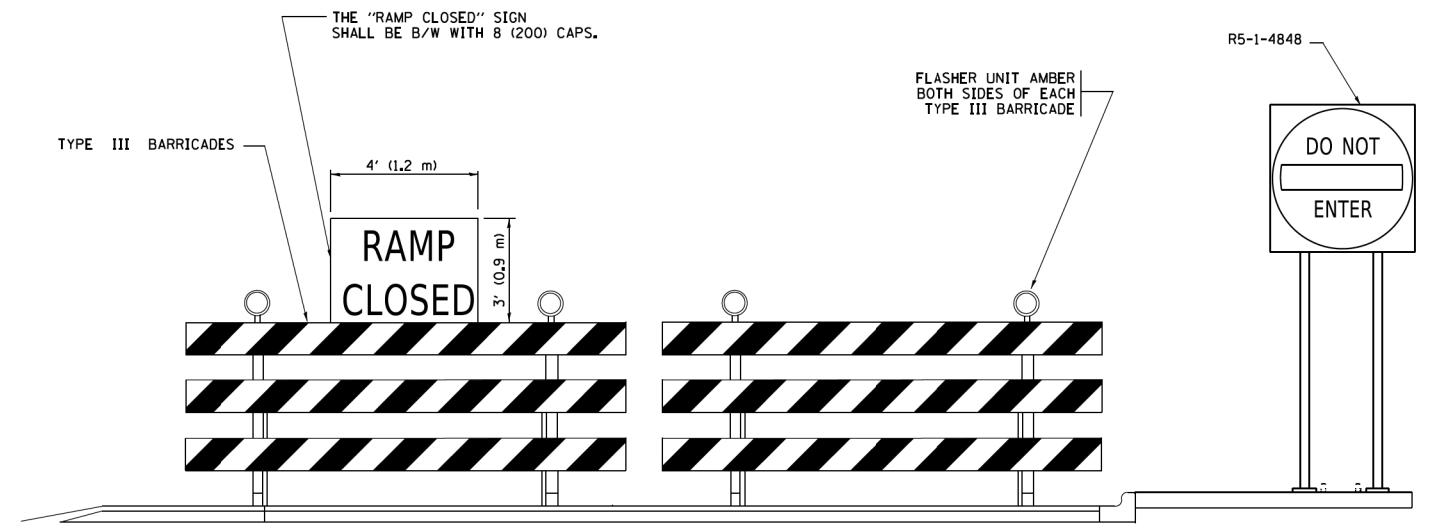
DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



EXIT RAMP CLOSURE

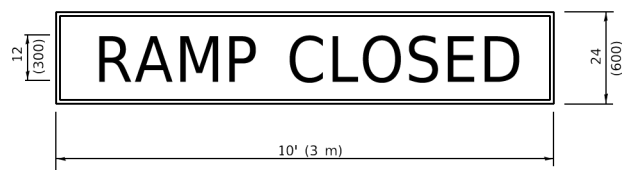
SYMBOLS

- ▬ TYPE II BARRICADE OR DRUM
- ▬ TYPE III BARRICADE WITH 2 FLASHING LIGHTS



DETAIL FOR REQUIRED BARRICADES & SIGNS

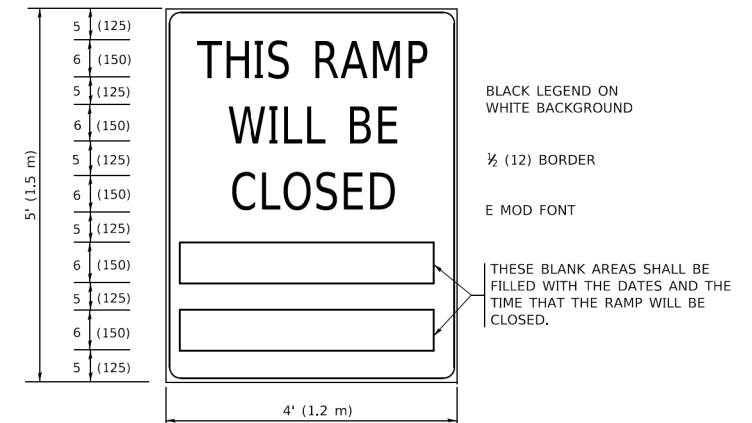
RAMP CLOSURE ADVANCE WARNING SIGN



BLACK LEGEND ON ORANGE BACKGROUND MOUNTED DIAGONALLY E MOD FONT 1 (25) BORDER

THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR EXIT RAMPS THAT WILL BE CLOSED FOR MORE THAN FOUR (4) CONSECUTIVE DAYS.

RAMP CLOSURE ADVANCE INFORMATION SIGN



BLACK LEGEND ON WHITE BACKGROUND

1/2 (12) BORDER

E MOD FONT

THESE BLANK AREAS SHALL BE FILLED WITH THE DATES AND THE TIME THAT THE RAMP WILL BE CLOSED.

THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.

THESE SIGNS SHALL BE FABRICATED AND PAID FOR ACCORDING TO THE TEMPORARY INFORMATION SIGNING SPECIAL PROVISION

GENERAL NOTES:

- ① CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
- ② VERTICAL BARRICADES SHALL NOT BE USED FOR RAMP CLOSURES.
- ③ A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES, PRECEDED BY A W20-7 FLAGGER WARNING SIGN.
- ④ ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED WHEN THE RAMP IS CLOSED FOR MORE THAN FOUR (4) DAYS.
- ⑤ THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
- ⑥ AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
- ⑦ THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS. ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED FOUR (4) DAYS IN LENGTH.
- ⑧ ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED WHEN THIS DETAIL IS USED IN CONJUNCTION WITH OTHER TRAFFIC CONTROL THAT ALREADY INCLUDES A ROAD CONSTRUCTION AHEAD SIGN.
- ⑨ ARTERIAL ROAD CONSTRUCTION AHEAD SIGNS SHALL BE INSTALLED ON THE LEFT SIDE OF TRAFFIC IF THE MEDIAN IS MORE THAN 10 FT WIDE.

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

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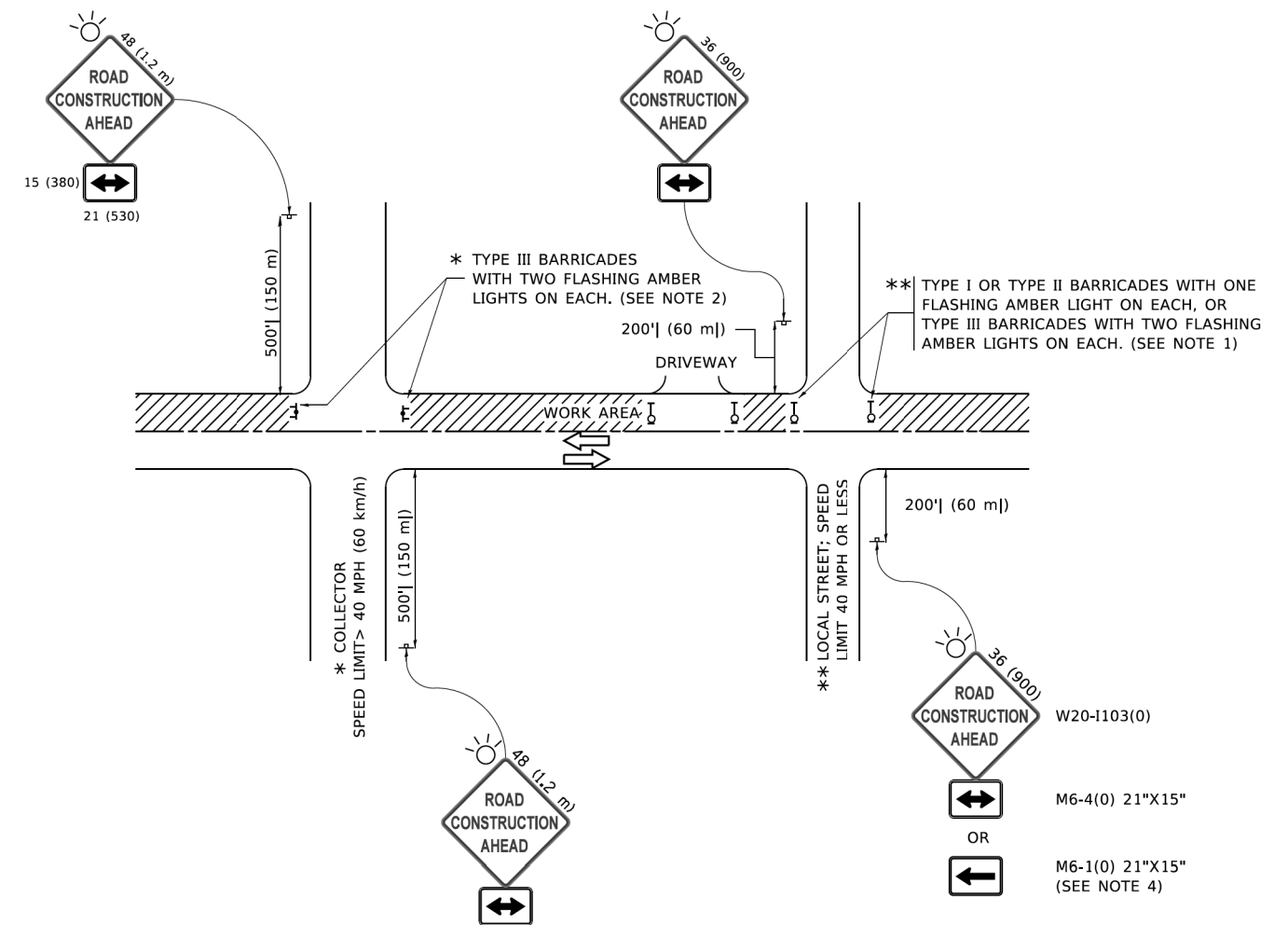
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	DATE - 02-83	REVISED - M.D._01-18

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ENTRANCE AND EXIT RAMP
CLOSURE DETAILS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-114-R5&SW	COOK	97	78
TC-08			CONTRACT NO. 62L92	
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 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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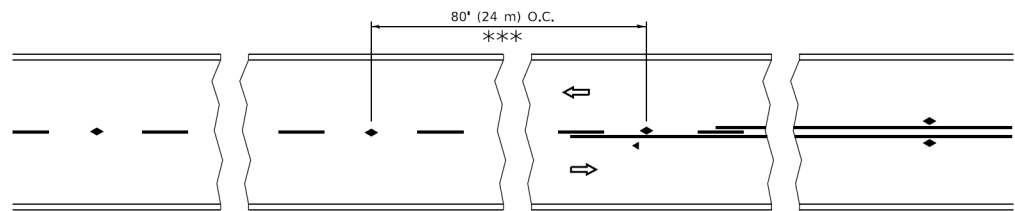
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PLOT DATE = 3/4/2019	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

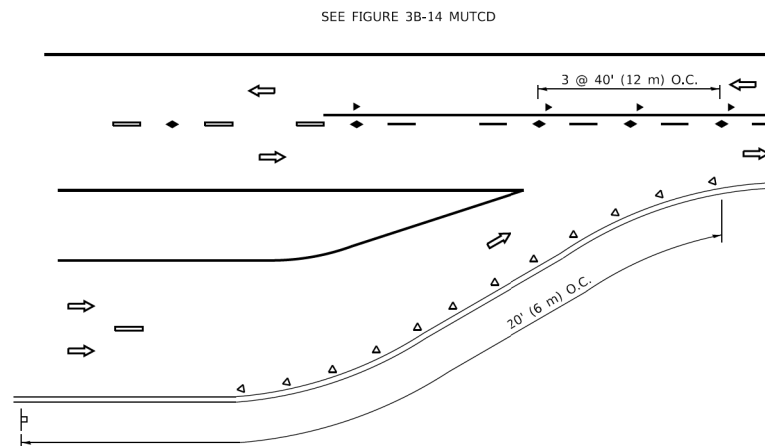
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TC-10			CONTRACT NO. 62L92	
ILLINOIS FED. AID PROJECT				

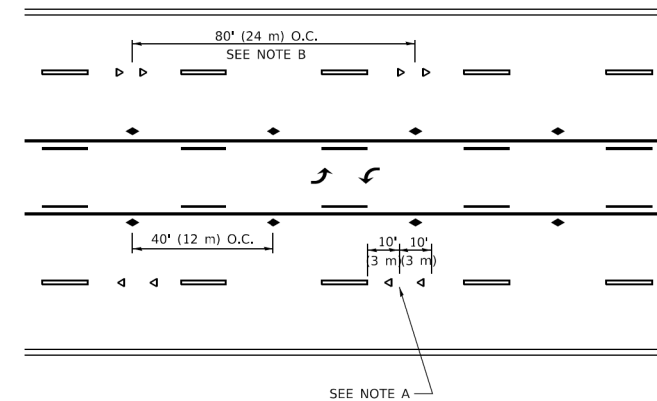


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

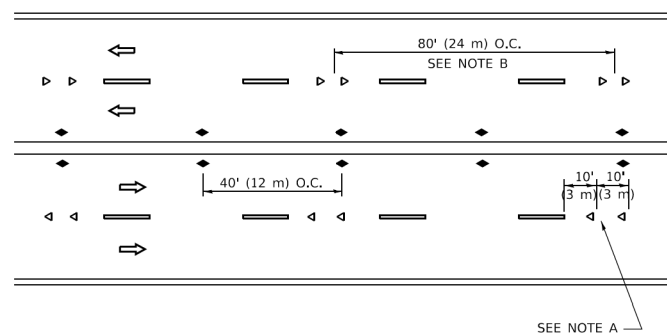
TWO-LANE/TWO-WAY



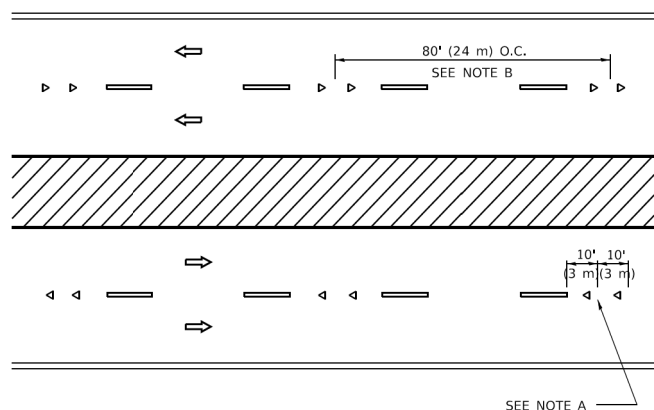
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

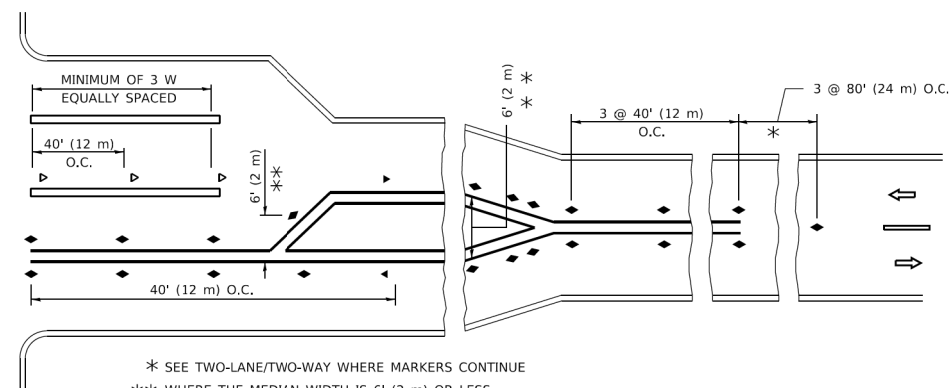
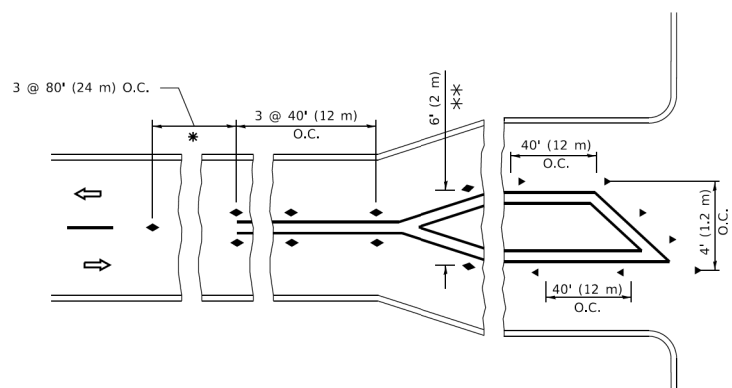
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

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

DESIGN NOTES

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



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

TURN LANES

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

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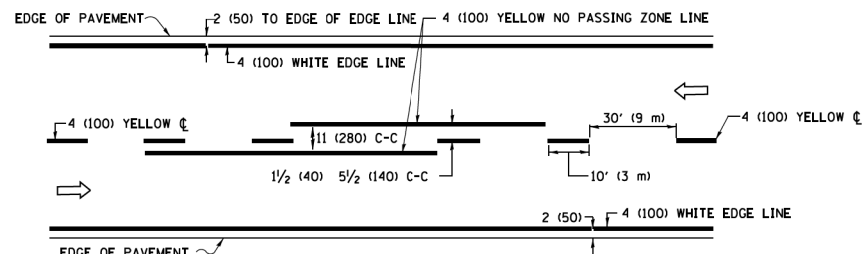
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STATE OF ILLINOIS
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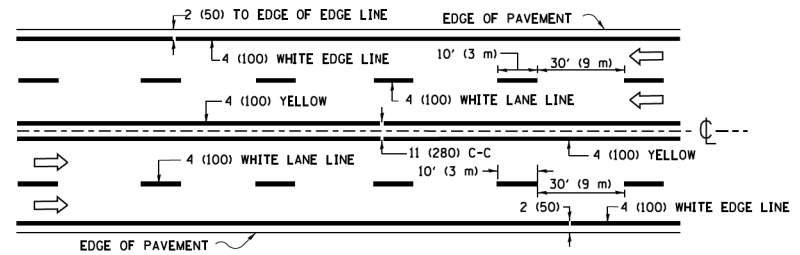
TYPICAL APPLICATIONS
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

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

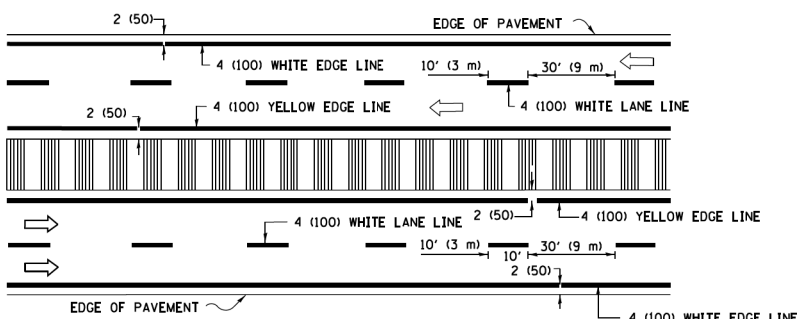
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348	2020-114-R5&SW	COOK	97	80
TC-11			CONTRACT NO. 62L92	
ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

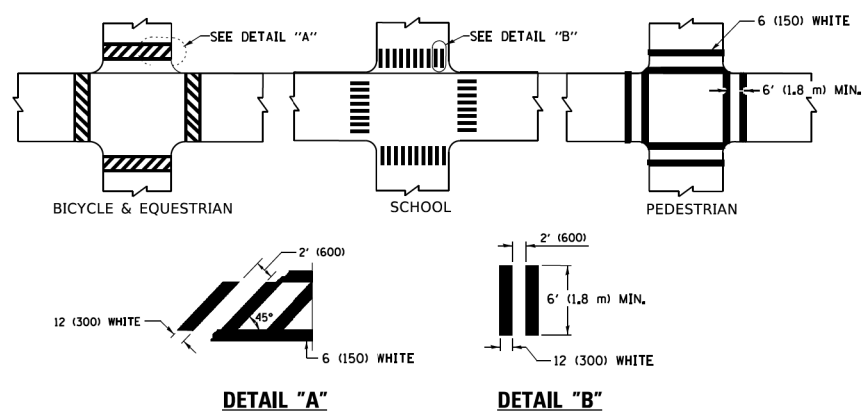


MULTI-LANE UNDIVIDED



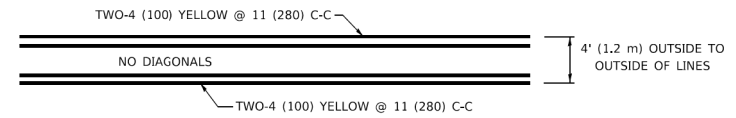
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

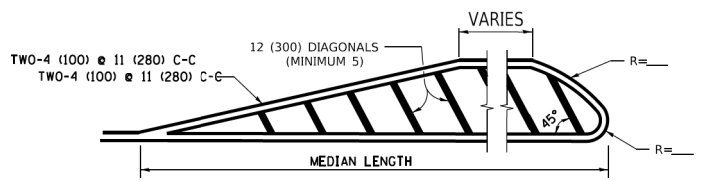


TYPICAL CROSSWALK MARKING

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

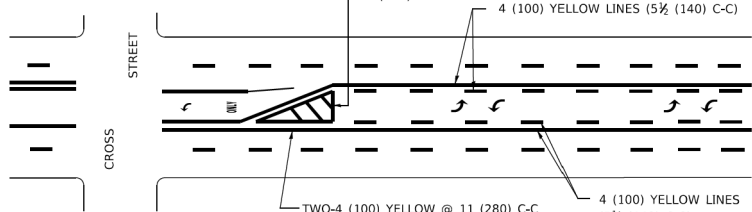


4' (1.2 m) WIDE MEDIANS ONLY



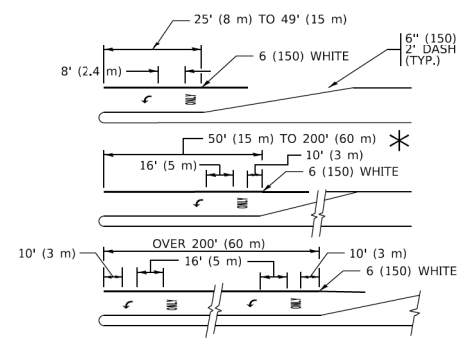
MEDIANS OVER 4' (1.2 m) WIDE

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



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

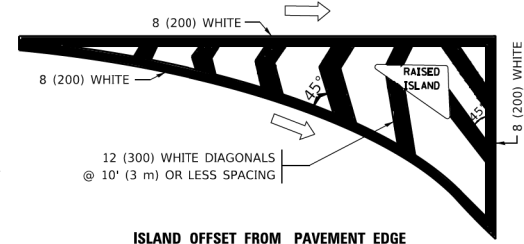


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

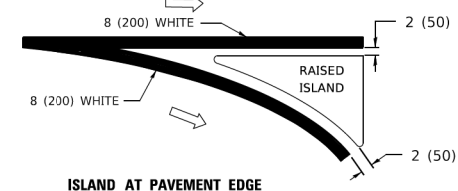
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

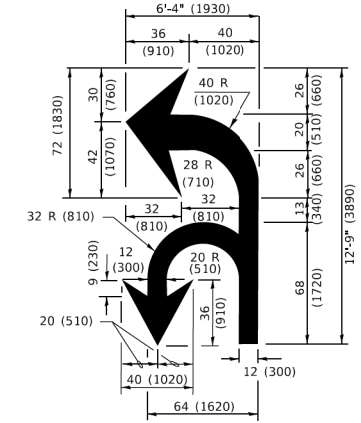


ISLAND OFFSET FROM PAVEMENT EDGE

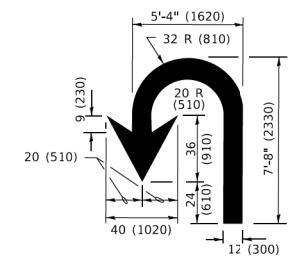


ISLAND AT PAVEMENT EDGE

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.

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 2' (600) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" 15 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: *R*=3.6 SQ. FT. (0.33 m ²) EACH *X*=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS > 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

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

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PLOT SCALE = 50.00000' / in.	CHECKED -	REVISED - C. JUCIUS 07-01-13
PLOT DATE = 3/4/2019	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
		REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TYPICAL PAVEMENT MARKINGS		348	2020-114-R5&SW	COOK	97	81
SCALE: NONE	SHEET 1 OF 2 SHEETS	STA. TO STA.	TC-13			
			ILLINOIS FED. AID PROJECT			

DISTRICT ONE		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TYPICAL PAVEMENT MARKINGS		348	2020-114-R5&SW	COOK	97	81
SCALE: NONE	SHEET 1 OF 2 SHEETS	STA. TO STA.	TC-13			
			ILLINOIS FED. AID PROJECT			

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

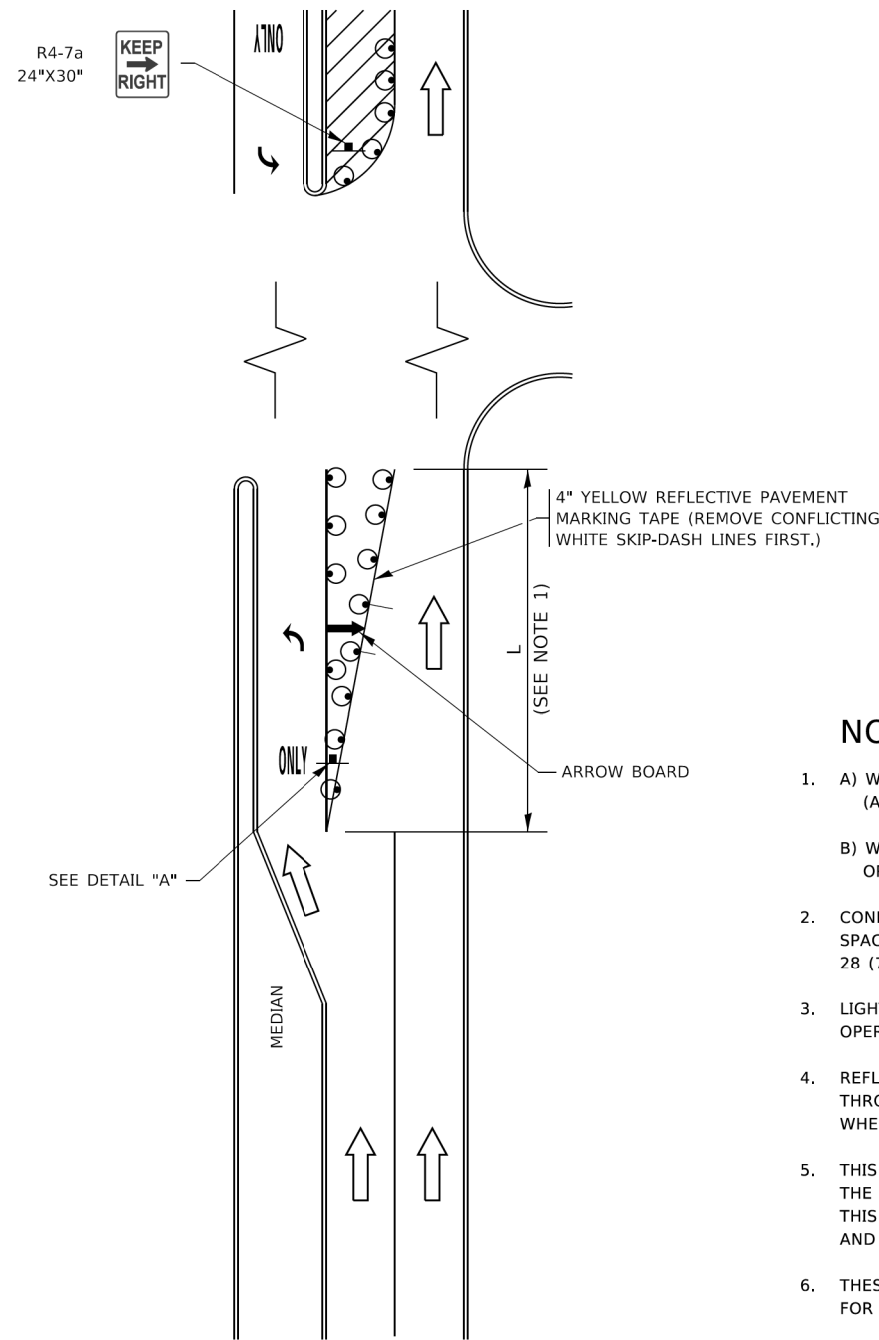


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

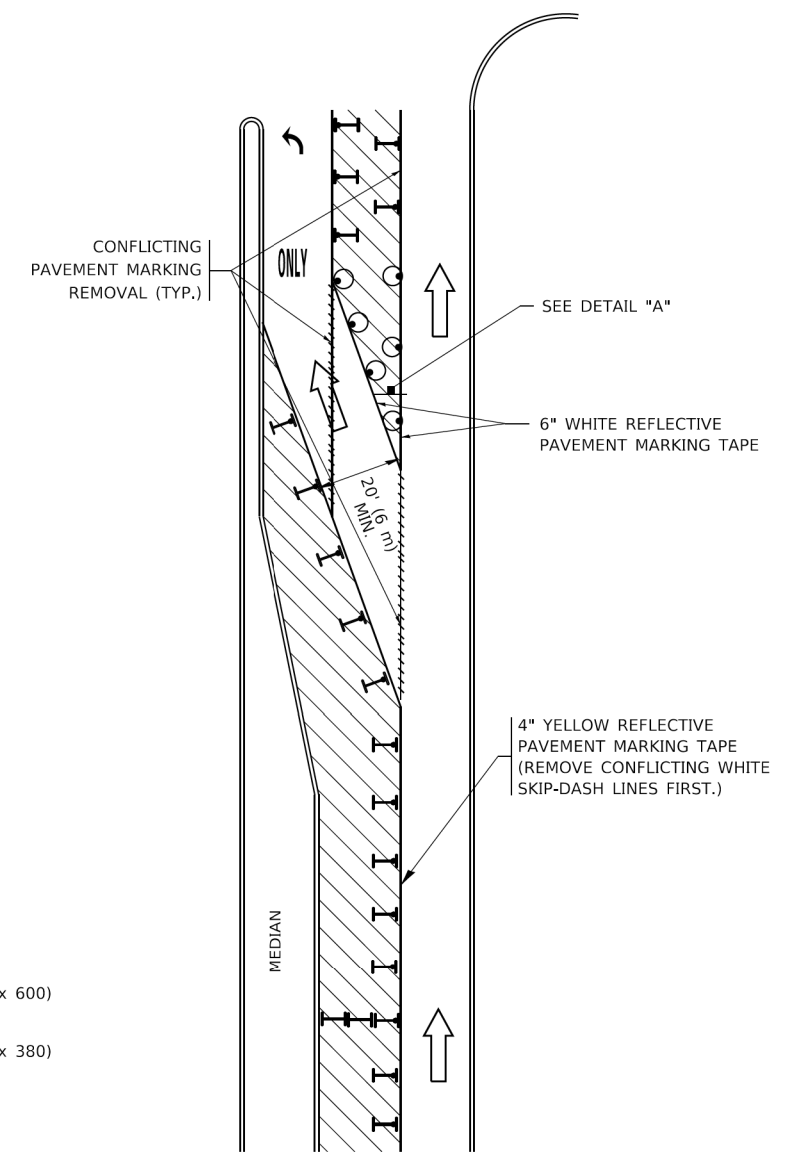
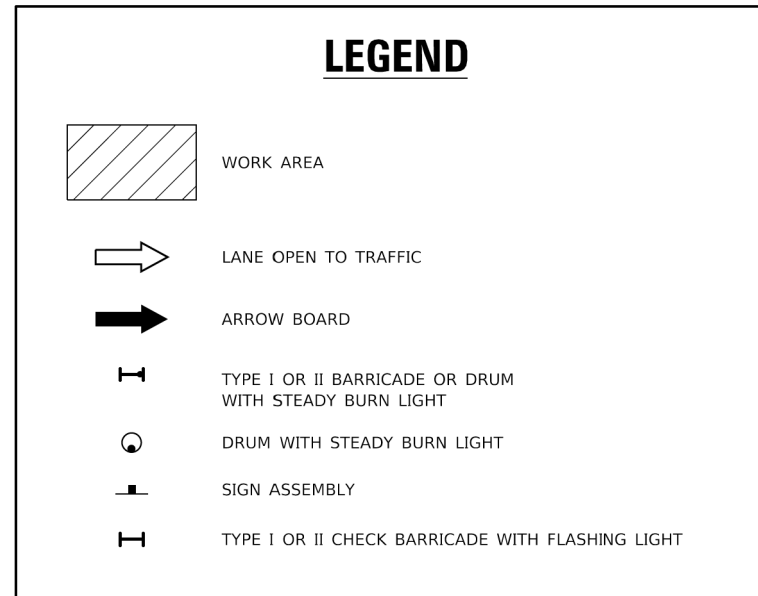
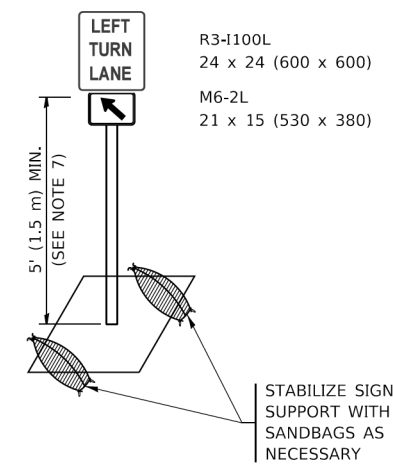


FIGURE 2



NOTES:

1. A) WHEN "L" IS ≤ 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 REQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.



DETAIL A

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

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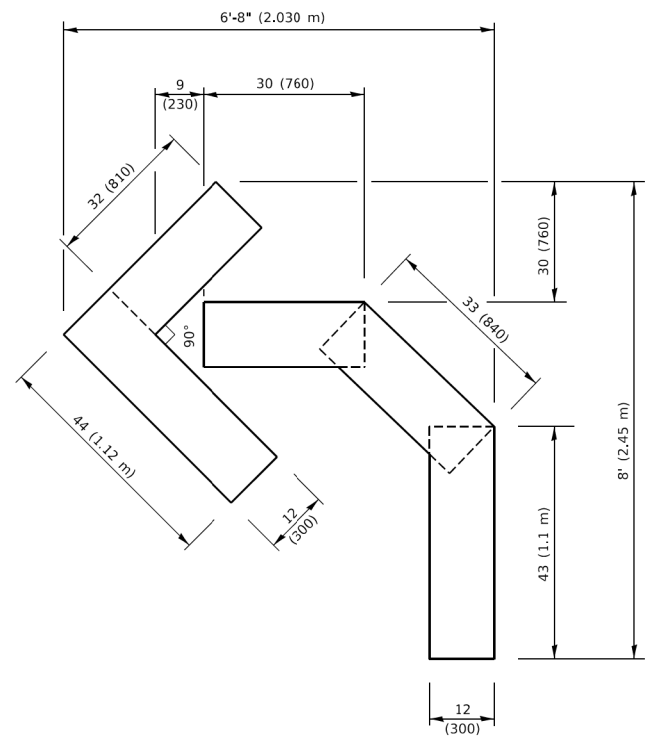
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	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13
PLOT SCALE = 50.0000' / in.	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 3/4/2019	DATE - T. RAMMACHER 01-06-00	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)

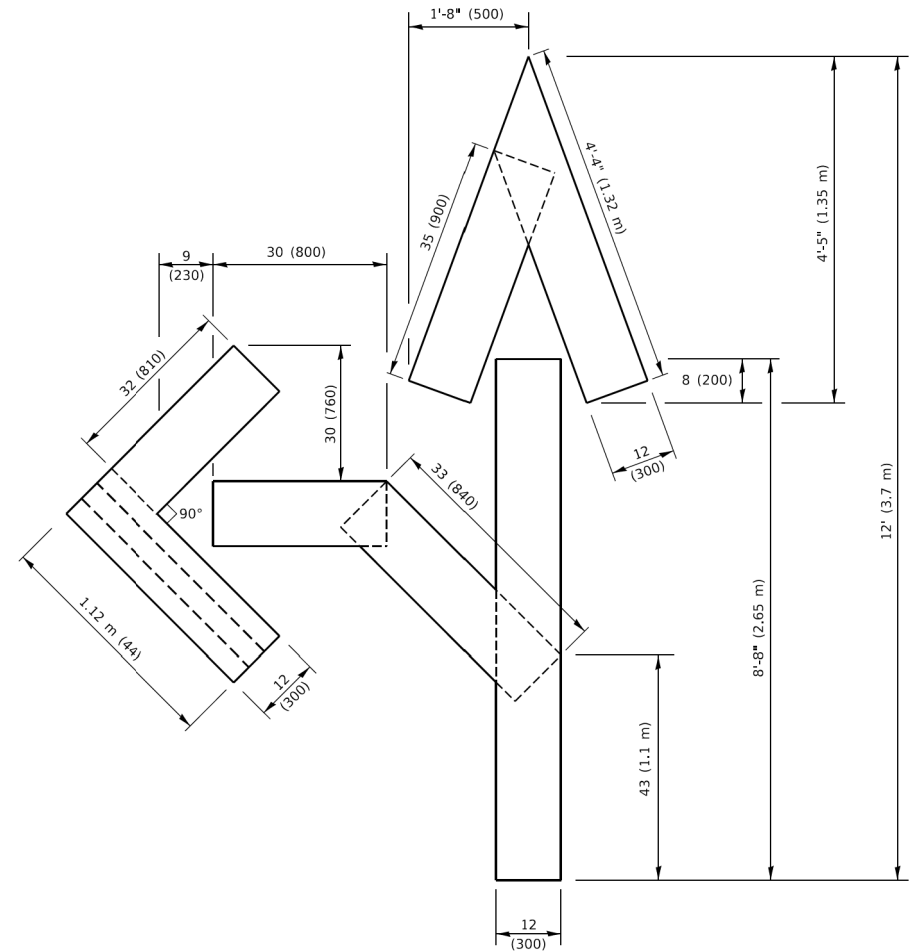
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-14		CONTRACT NO. 62L92		
ILLINOIS FED. AID PROJECT				



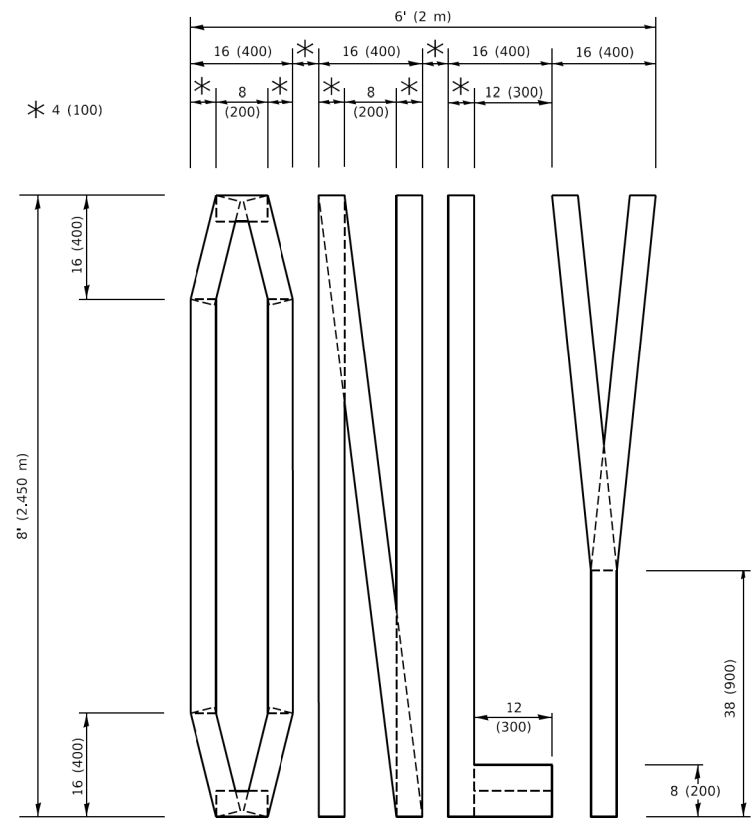
QUANTITY

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



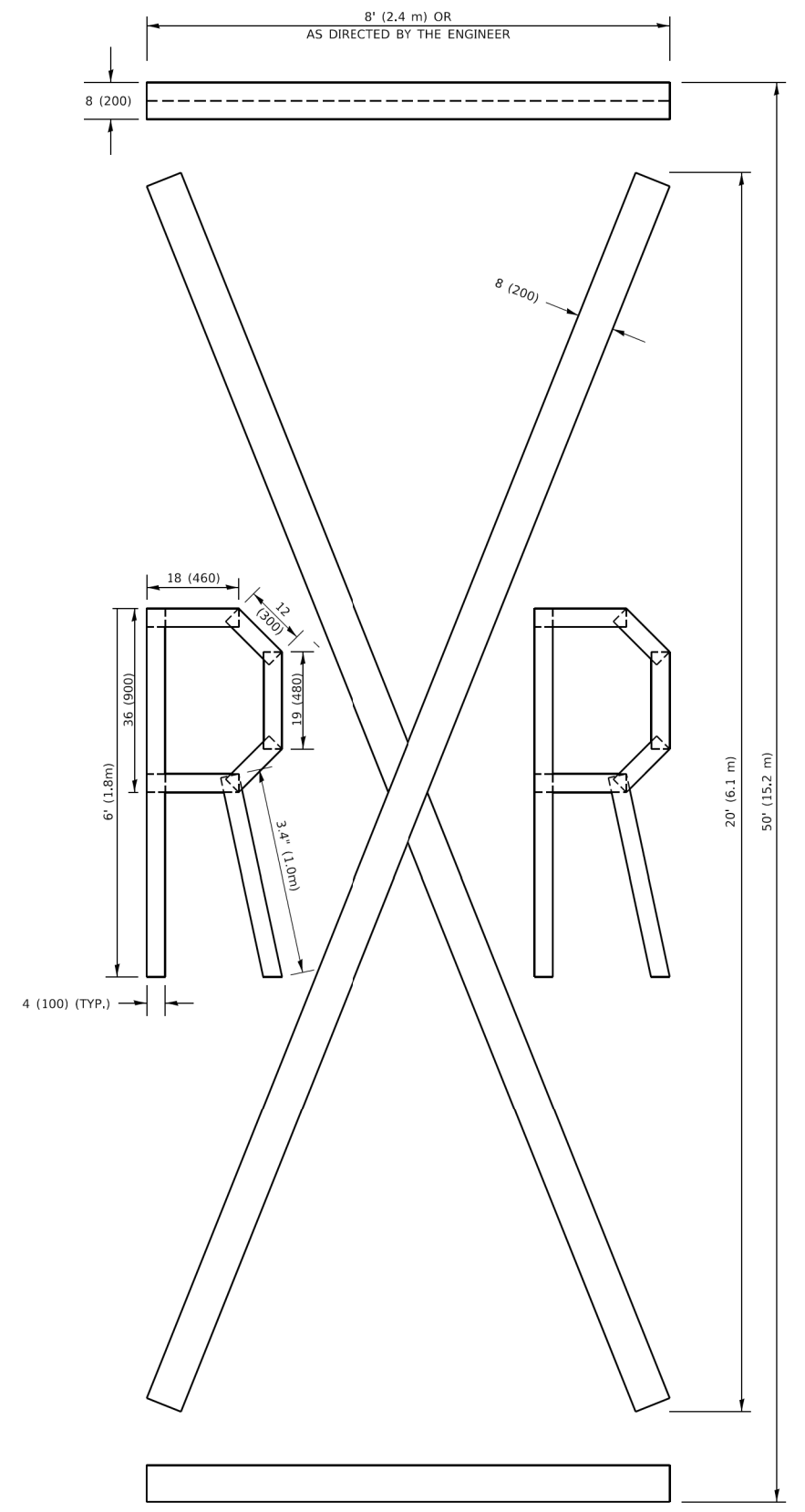
QUANTITY

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



QUANTITY

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



QUANTITY

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

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

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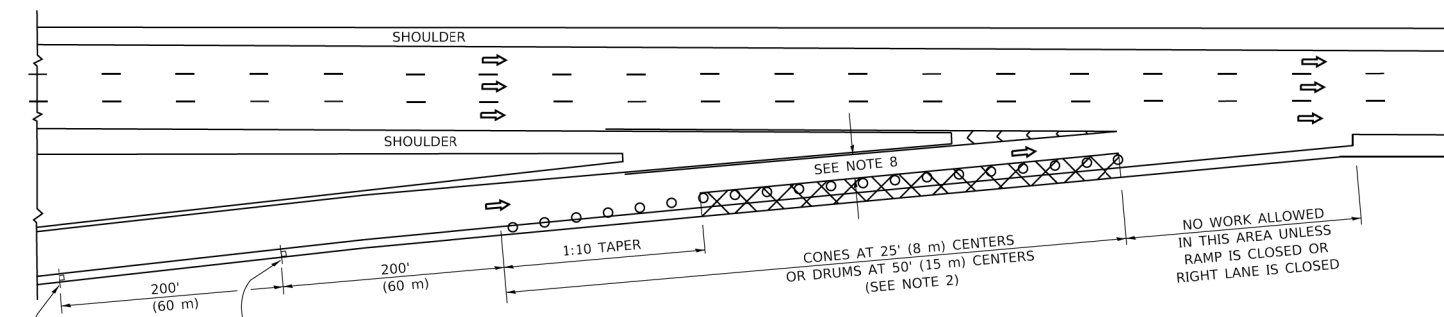
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PLOT DATE = 3/4/2019	CHECKED -	REVISED - E. GOMEZ 08-28-00
	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

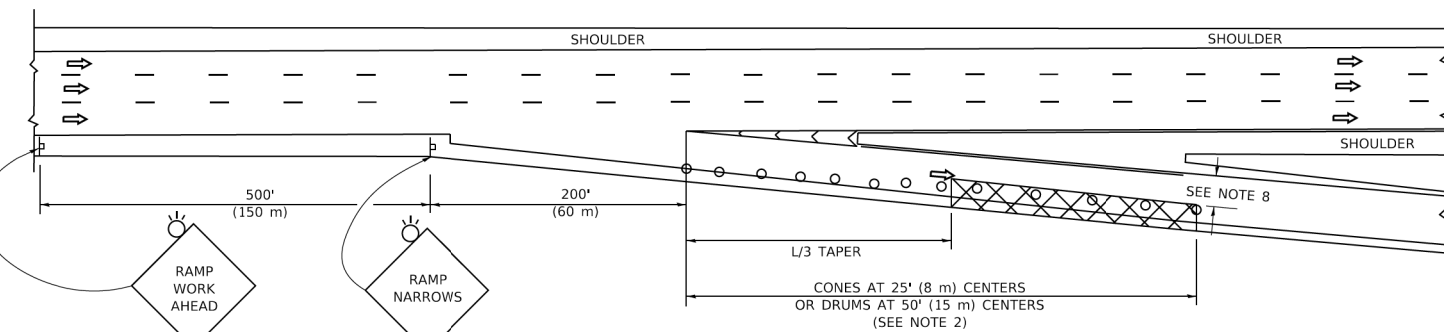
SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS			
SCALE: NONE	SHEET 1	OF 1	SHEETS
STA.	TO STA.		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-16		CONTRACT NO. 62L92		
ILLINOIS FED. AID PROJECT				

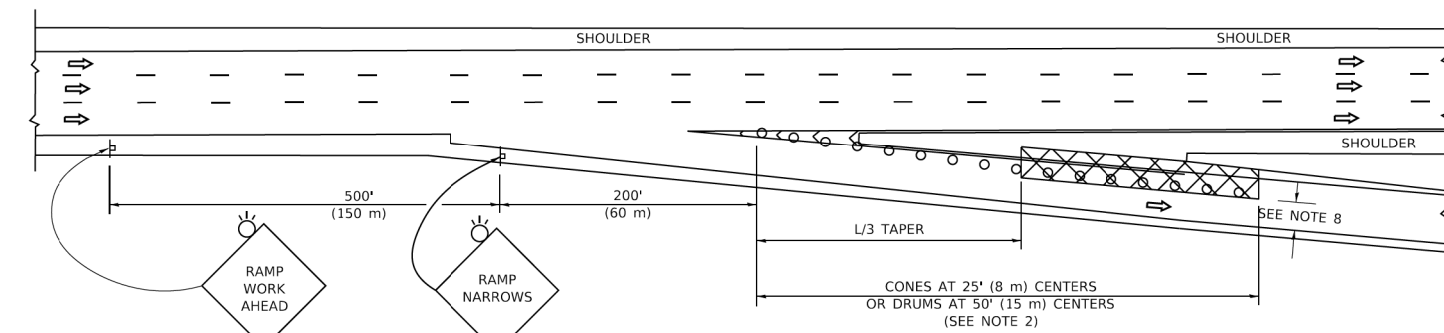
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

SYMBOLS

- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

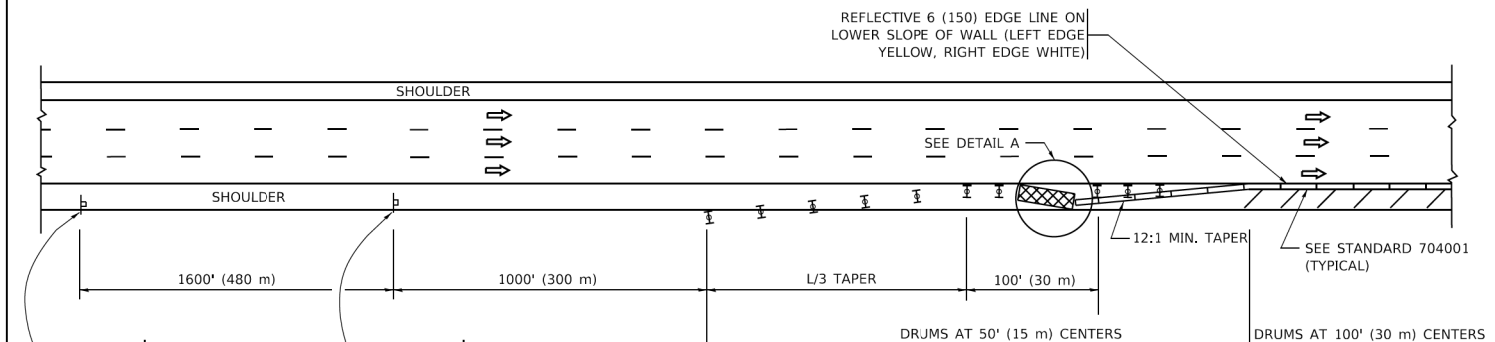
GENERAL NOTES:

1. THE "L" DISTANCE EQUALS:

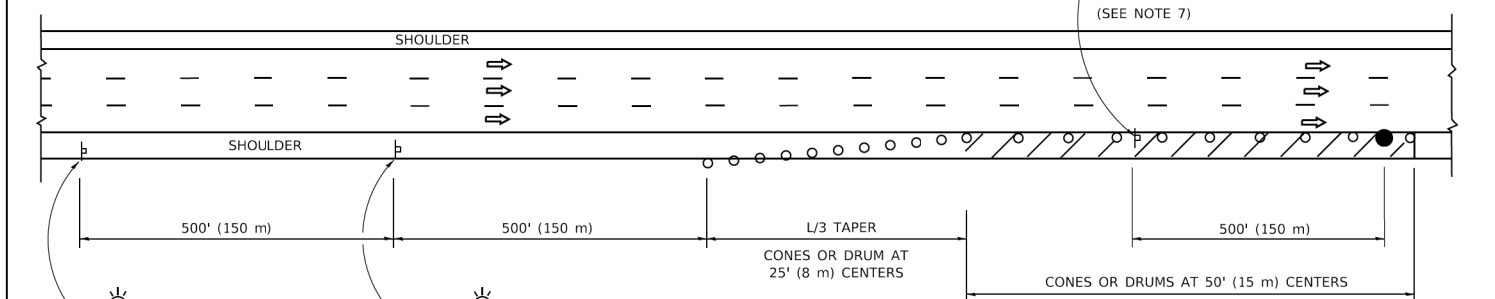
$L = \frac{S^2}{24.5}$	$L = \frac{S^2}{39.3}$
<small>SPEED LIMIT</small>	<small>FORMULAS</small>
45 mph (80 km/h)	METRIC ENGLISH
OR GREATER	$L=0.65(WKS)$ $L=(WKS)$

W = WIDTH OF OFFSET IN FEET (METERS)
S = NORMAL POSTED SPEED MPH (KM/H)
2. TYPE II BARRICADES OR DRUMS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES. TYPE II BARRICADES OR DRUMS WITH MONODIRECTIONAL STEADY BURN LIGHTS ARE REQUIRED FOR DELINEATING OBSTACLES, EXCAVATIONS, OR HAZARDS EXCEEDING 100 FT (30m) IN LENGTH AT NIGHT.
3. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
4. FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.

SHOULDER CLOSURE DETAILS

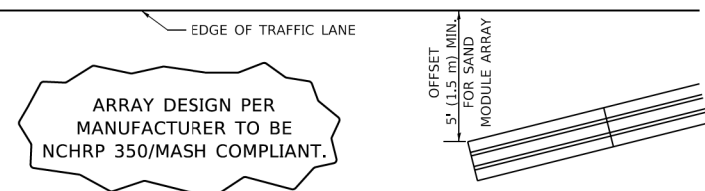


PERMANENT SHOULDER CLOSURE



TEMPORARY SHOULDER CLOSURE

THIS DETAIL IS USED WHERE:
 1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCROACH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.



**DETAIL "A"
IMPACT ATTENUATOR, TEMPORARY
(SEE NOTE 5)**

5. THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350/MASH.
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
7. THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
 - a. FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
 - b. THE WORK AVTIVITY REQUIRES FREQUENT ENCROACHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.

8. 12' MIN. WIDTH TANGENT SECTION
16' MIN. WIDTH CURVE SECTION.
9. TEMPORARY SHOULDER AND NON-SYSTEM INTERCHANGE PARTIAL RAMP CLOSURES ARE ALLOWED WEEKDAYS BETWEEN 9:00 A.M. AND 3:00 P.M. AND BETWEEN 7:00 P.M. AND 5:00 A.M. OR AS APPROVED BY THE EXPRESSWAY TRAFFIC OPERATIONS ENGINEER. PERMANENT SHOULDER AND PARTIAL RAMP CLOSURES WILL ONLY BE PERMITTED IF CALLED FOR IN THE PLANS OR AS APPROVED BY THE EXPRESSWAY OPERATIONS ENGINEER.

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

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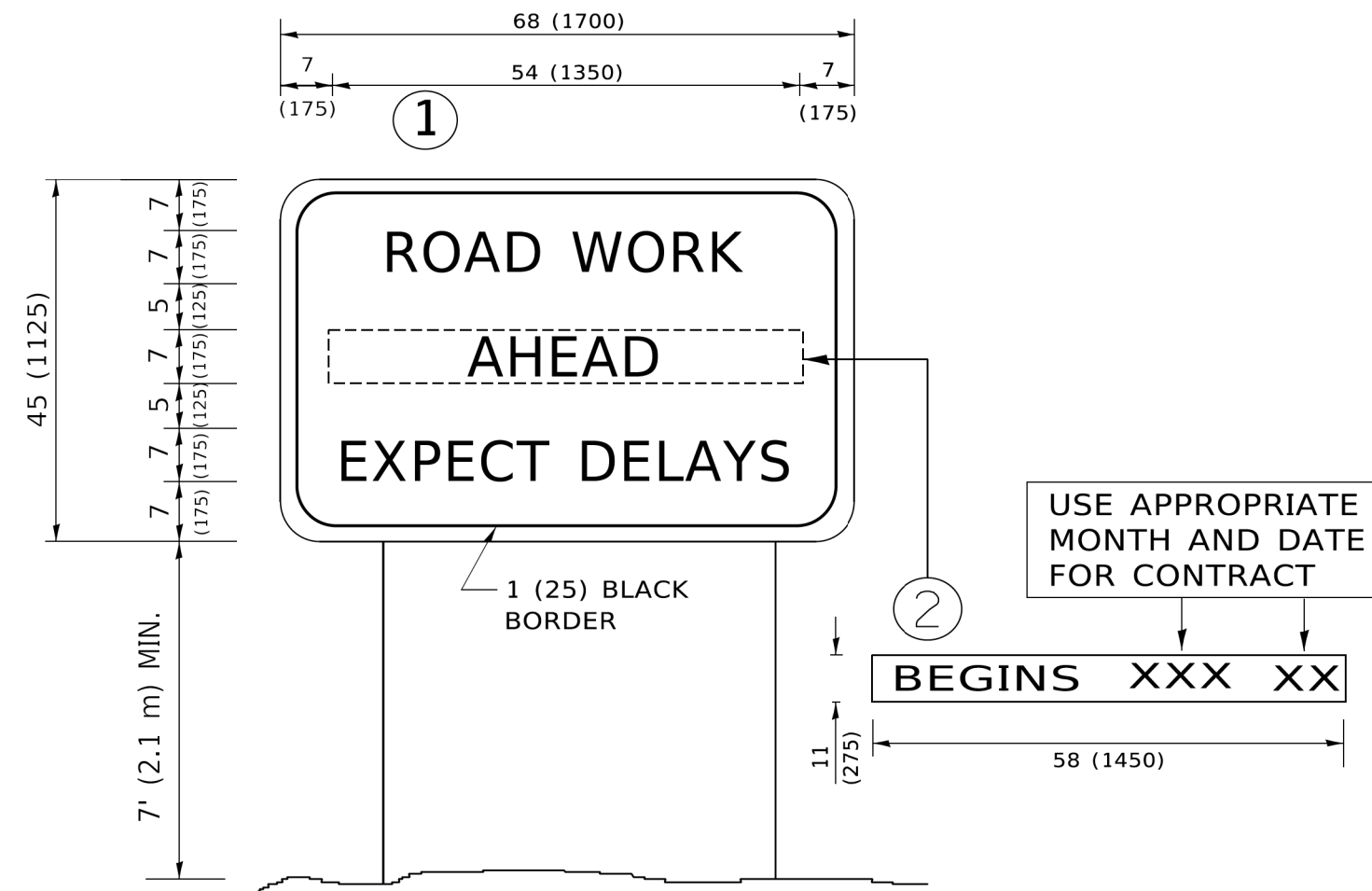
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL DETAILS FOR FREEWAY
SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES**

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

F.A.P. RTE. 348	SECTION 2020-114-R5&SW	COUNTY COOK	TOTAL SHEETS 97	SHEET NO. 84
TC-17		CONTRACT NO. 62L92		
ILLINOIS FED. AID PROJECT				



NOTES:

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

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

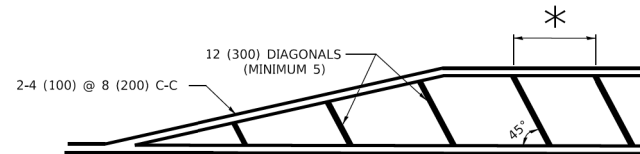
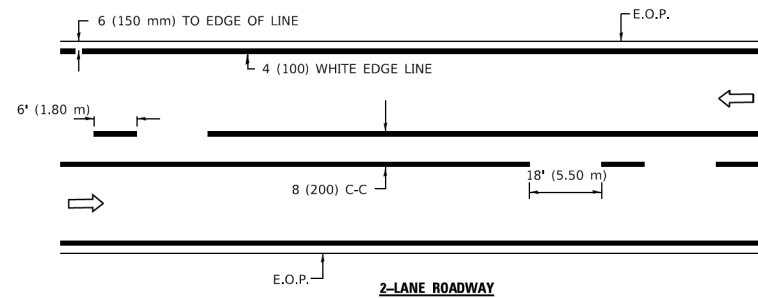
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PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ARTERIAL ROAD INFORMATION SIGN			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

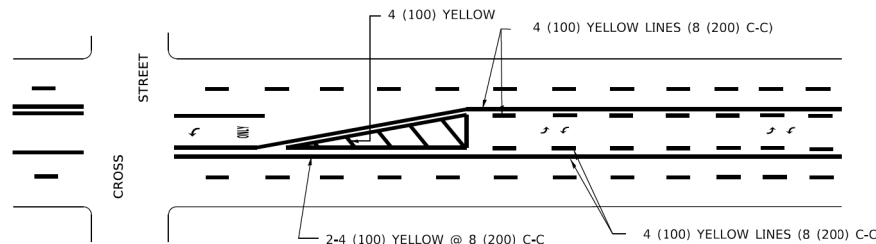
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TC-22		CONTRACT NO. 62L92		
ILLINOIS FED. AID PROJECT				



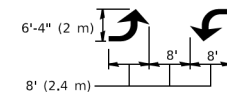
* FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

* DIAGONAL LINE SPACING: 20' (6.1 m) C-C

PAINTED MEDIANS

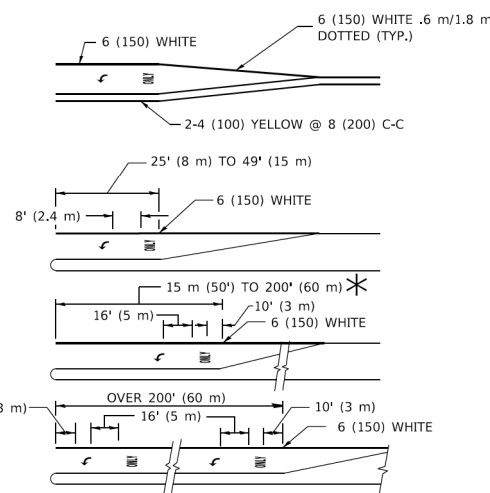


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

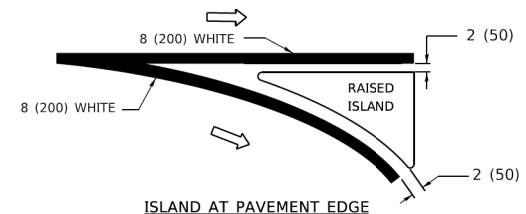
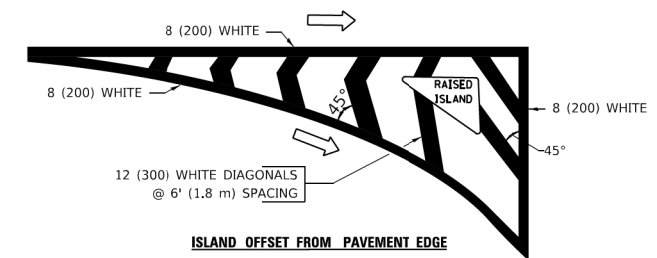


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.8 SQ. FT. (1.47 m²) ONLY AREA = 22.9 SQ. FT. (2.13 m²)

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

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

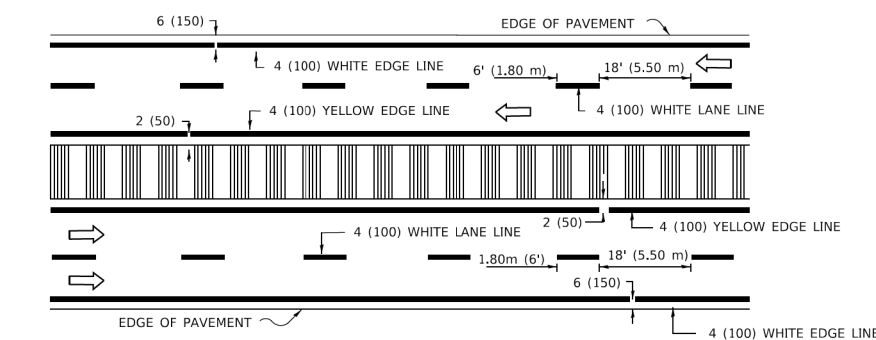
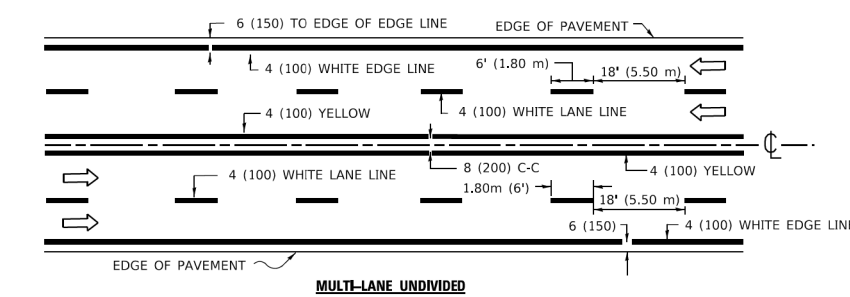


TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	6' (1.80 m) LINE WITH 18' (5.50 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	8 (200) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	8 (200) C-C
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	6' (1.80 m) LINE WITH 18' (5.50 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) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4 m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4 m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	6' (1.8 m) LINE WITH 18' (5.50 m) SPACE FOR SKIP-DASH; 8 (200) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL & PEDESTRIAN)	12 (300) @ 45° 24 (600) @ 90°	SOLID SOLID	WHITE WHITE	2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45°	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	8 (200) 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: 20' (6.1 m) (LESS THAN 30 MPH (50 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. (0.33m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)

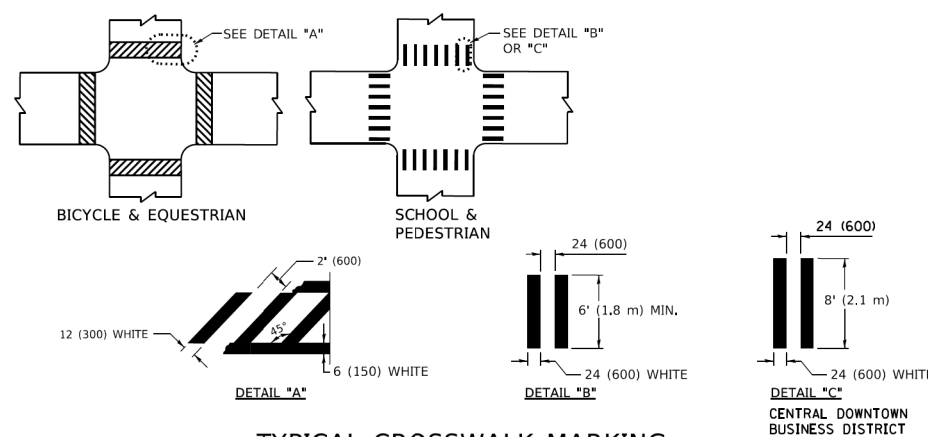
FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STREET MARKING STANDARDS, PRINTED BY CITY OF CHICAGO, DEPARTMENT OF TRANSPORTATION, BUREAU OF TRAFFIC.

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



NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING

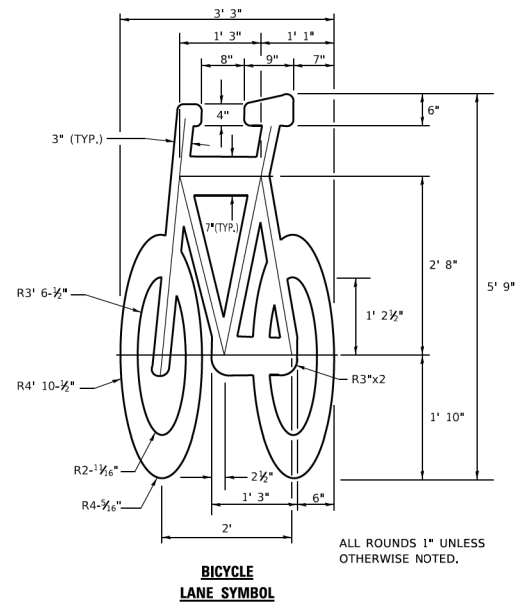
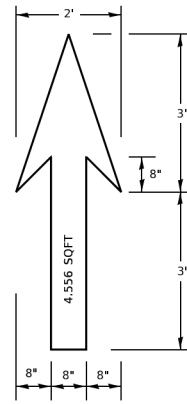


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	DRAWN -	REVISED - K. ENG 02-28-12
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PLOT DATE = 3/4/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

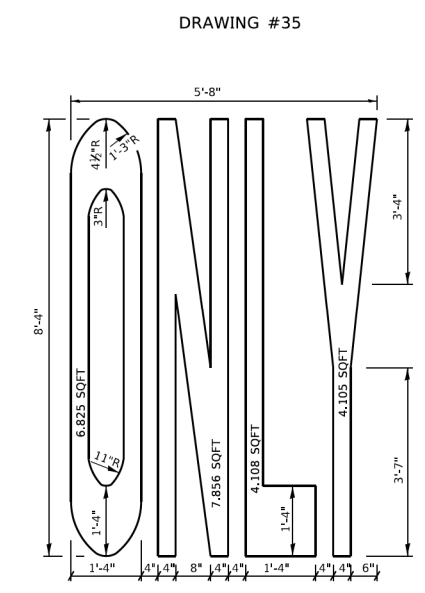
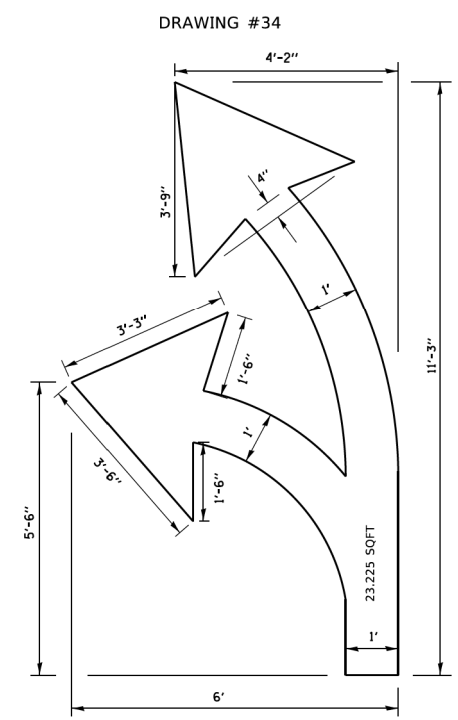
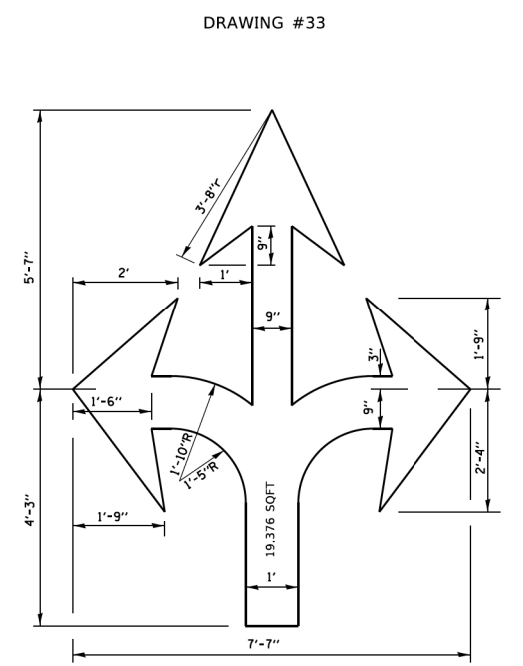
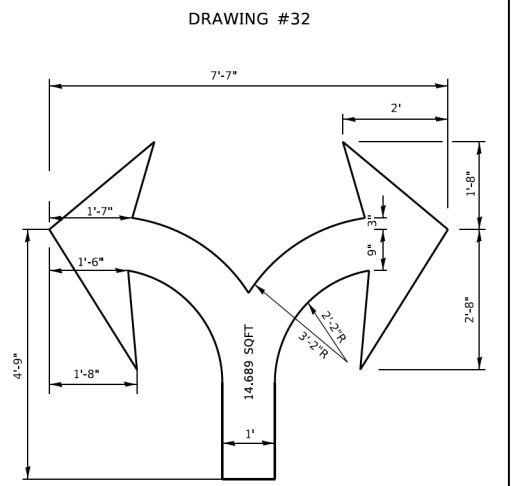
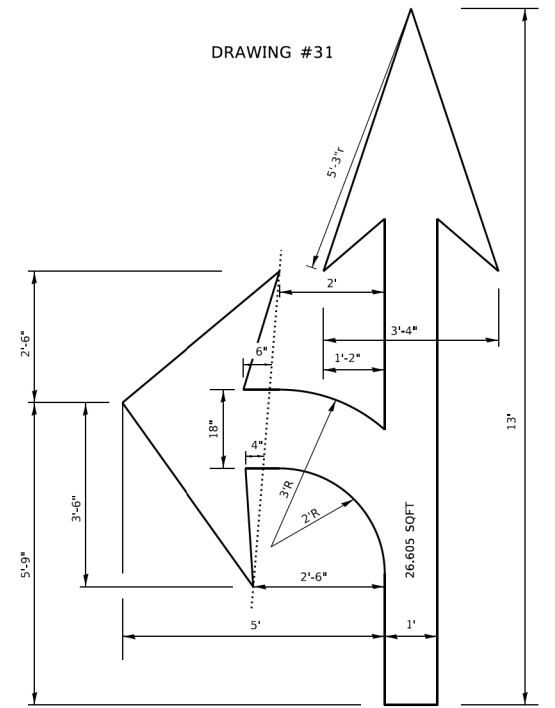
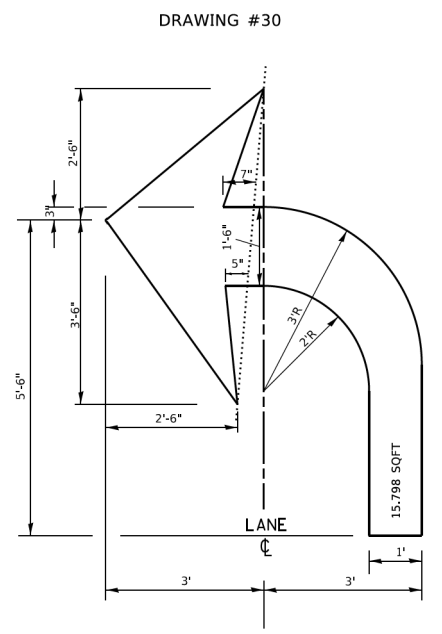
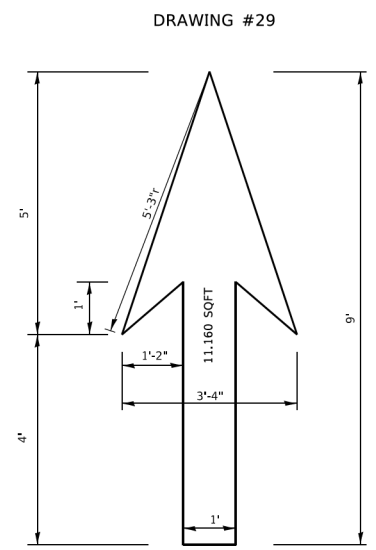
CITY OF CHICAGO TYPICAL PAVEMENT MARKINGS		F.A.P. RTE. 348	SECTION 2020-114-R5&SW	COUNTY COOK	TOTAL SHEETS 97	SHEET NO. 86
SCALE: NONE	SHEET 1 OF 3 SHEETS	STA. TO STA.	TC-24		CONTRACT NO. 62L92	
			ILLINOIS / FED. AID PROJECT			



NOTE:

- FOR BIKE LANE SYMBOLS ONLY, USE PRE-FORMED THERMOPLASTIC WITH A MINIMUM THICKNESS OF 90 MILS, MINIMUM SKID RESISTANCE VALUE OF 60 BPN, & A MINIMUM INDEX OF REFRACTION OF 1.50.
- THE RESIDENT ENGINEER SHALL CONTACT MR. BEN GOMBERG AT 312-744-8093 AT LEAST ONE CALENDAR WEEK PRIOR TO INSTALLING BIKE LANE SYMBOLS.

TYPICAL BIKE LANE SYMBOLS
DRAWING #28



NOTE:
ALL MARKINGS SHALL BE SOLID WHITE UNLESS OTHERWISE NOTED IN THE PLANS

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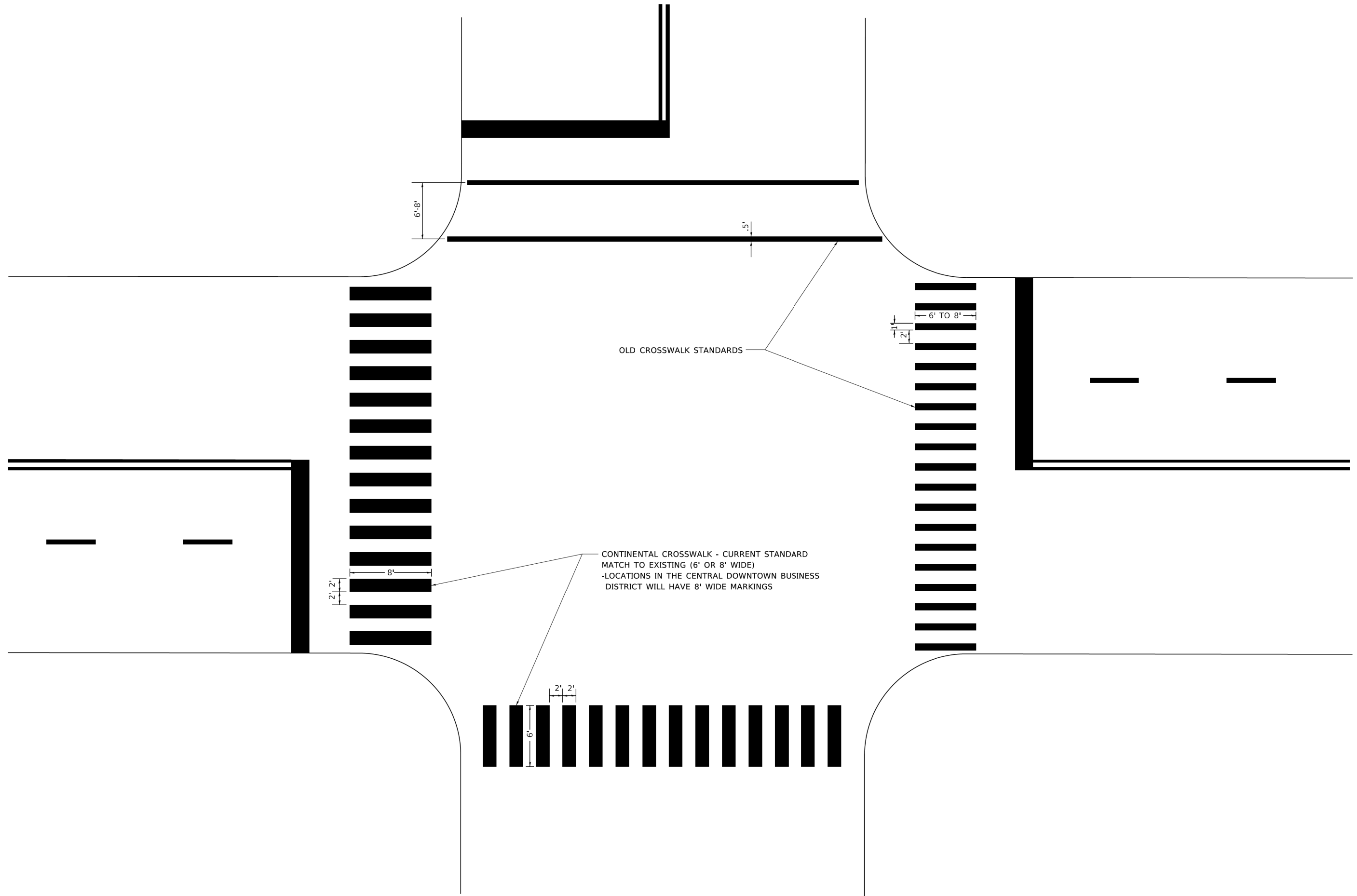
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PLOT DATE = 3/4/2019	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CITY OF CHICAGO			
TYPICAL PAVEMENT MARKINGS			
SCALE: NONE	SHEET 2	OF 3 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-114-R5&SW	COOK	97	87
TC-24			CONTRACT NO. 62L92	
ILLINOIS FED. AID PROJECT				

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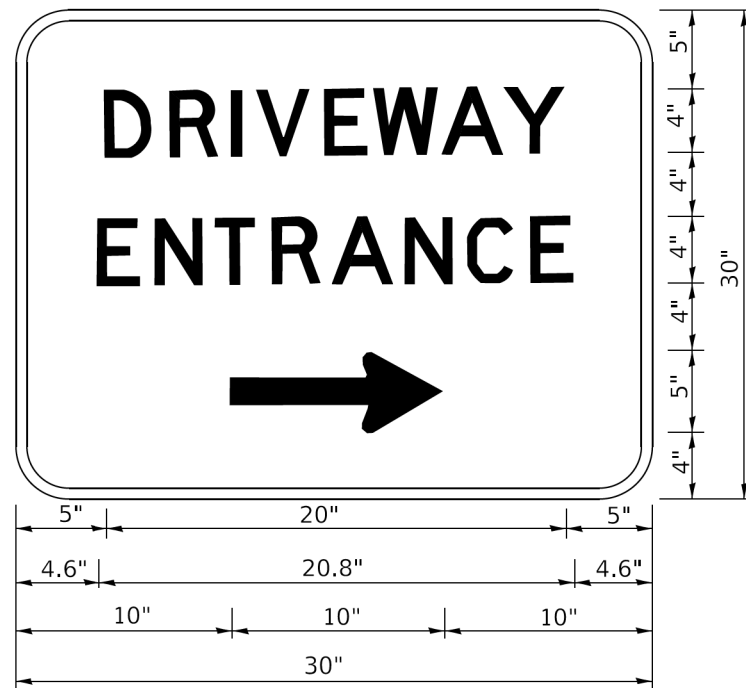
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PLOT DATE = 3/4/2019	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CITY OF CHICAGO
 TYPICAL PAVEMENT MARKINGS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-114-R5&SW	COOK	97	88
TC-24			CONTRACT NO. 62L92	
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".

MODEL: Definit FILE NAME: pww\1084EB\DNTEG\Illinois.gov\PW\DOT\Documents\DOT_Offices\District_1\Projects\Sub\52723\3a\CAD\Data\CAD\Sheet\26.dgn

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PLOT DATE = 3/4/2019	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

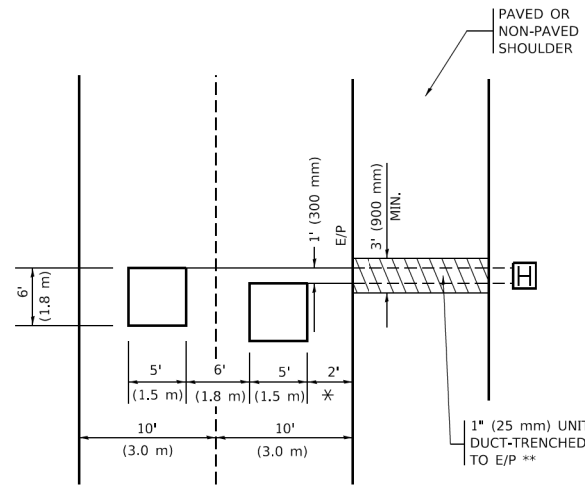
DRIVEWAY ENTRANCE SIGNING

SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-114-R5&SW	COOK	97	89
TC-26			CONTRACT NO. 62L92	
ILLINOIS FED. AID PROJECT				

LOOPS NEXT TO SHOULDERS

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

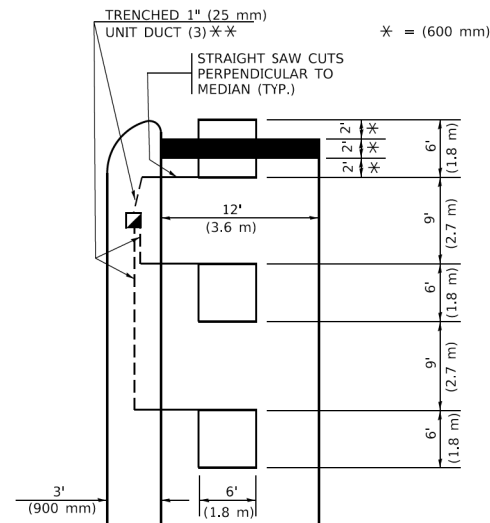


* = (600 mm)

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

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

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

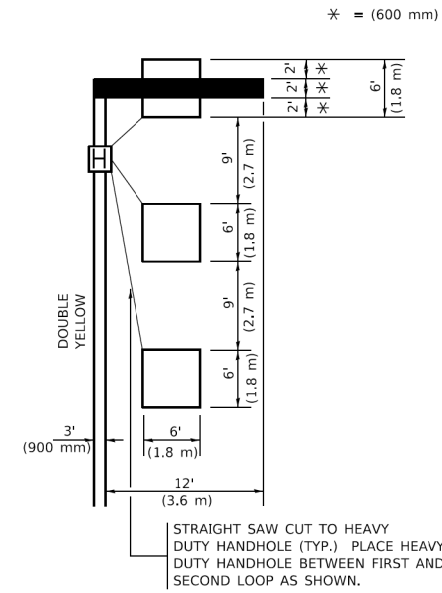


* = (600 mm)

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

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

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



* = (600 mm)

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

NOTES:

VEHICLES LOOP DETECTORS

- * ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR 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.

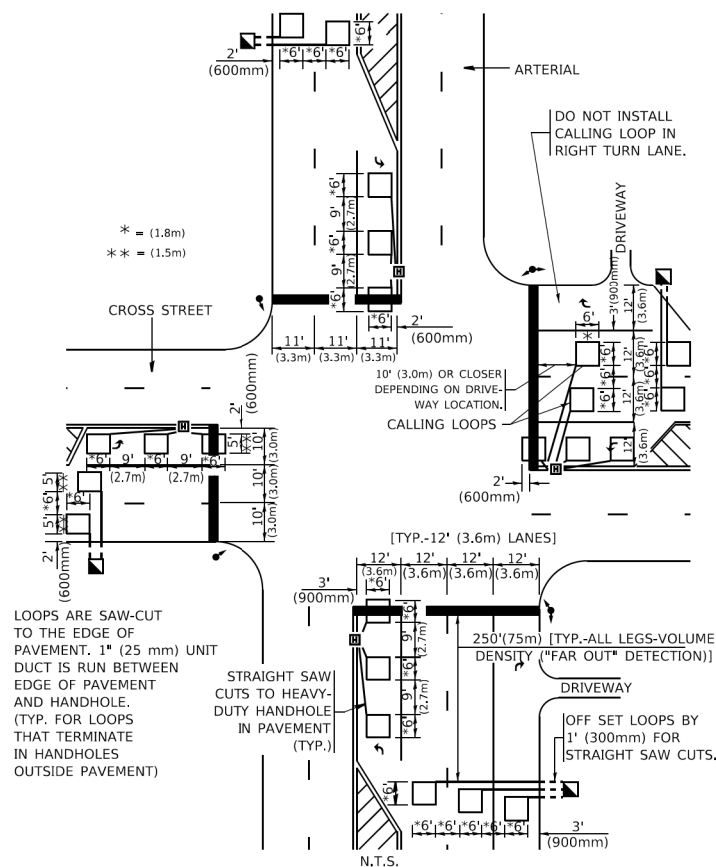
"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0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

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



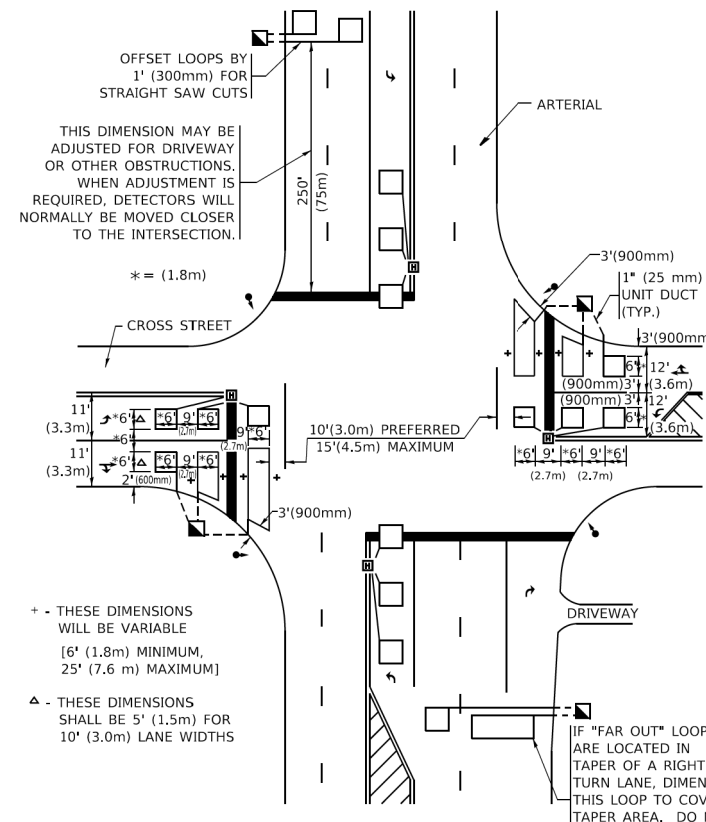
* = (1.8m)
 ** = (1.5m)

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

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

DETAIL 1
 N.T.S.

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



THIS DIMENSION MAY BE ADJUSTED FOR DRIVEWAY OR OTHER OBSTRUCTIONS. WHEN ADJUSTMENT IS REQUIRED, DETECTORS WILL NORMALLY BE MOVED CLOSER TO THE INTERSECTION.

* = (1.8m)

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

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

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

DETAIL 2
 N.T.S.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

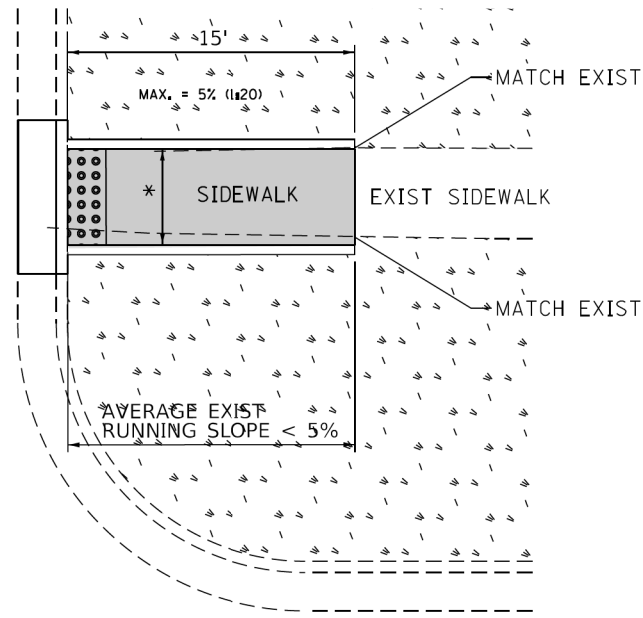
DISTRICT 1 - DETECTOR LOOP INSTALLATION
DETAILS FOR ROADWAY RESURFACING

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

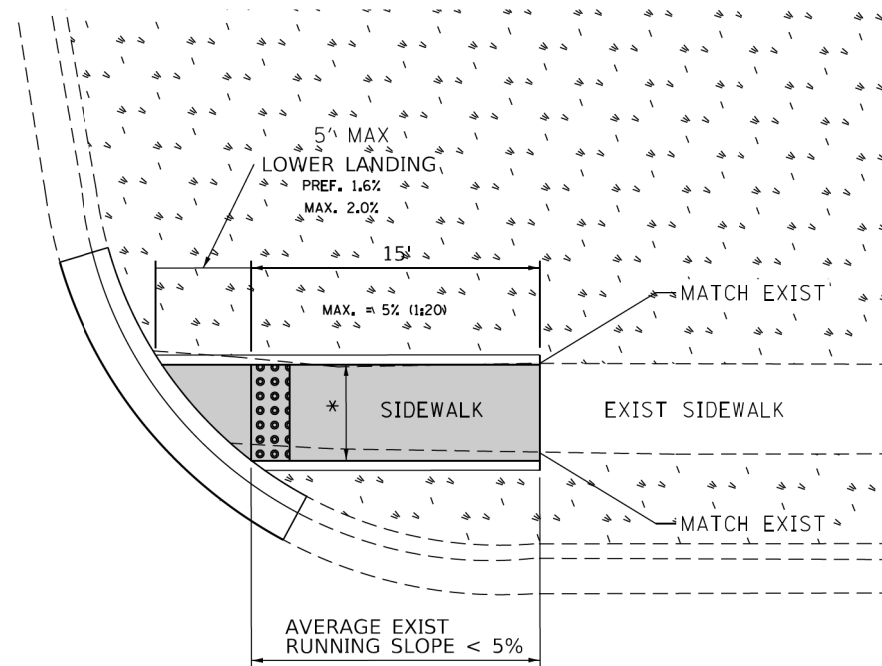
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-114-R5&SW	COOK	97	90
TS-07			CONTRACT NO. 62L92	
ILLINOIS FED. AID PROJECT				

ADA DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS W/ EXIST. 5% OR LESS RUN. SLOPE

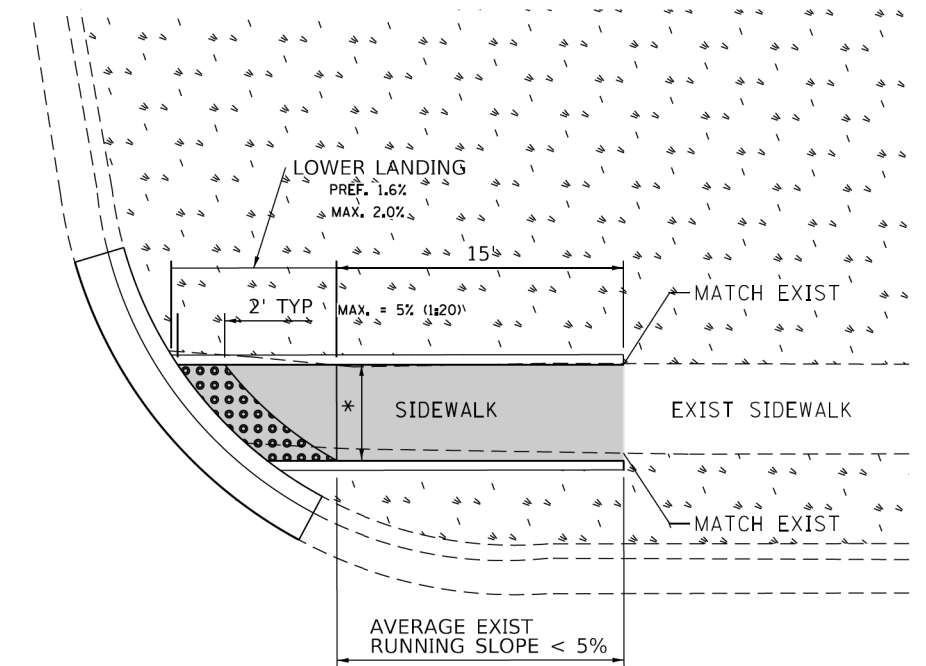
PD-01A



PD-01B



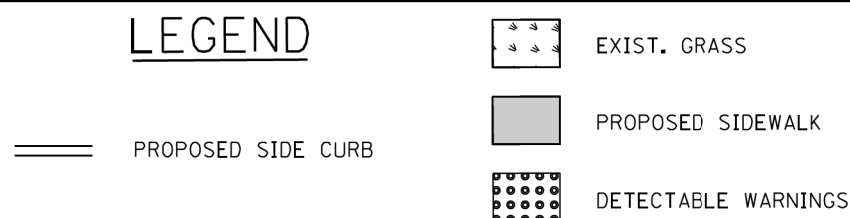
PD-01C



DESIGNER NOTES:

- 1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50).
- 2) SIDEWALK REALIGNMENT WILL REQUIRE DETAILED DESIGN.
- 3) AREAS SURROUNDED BY PCC/ASPHALT, BUILDINGS, OR ARE NEAR TO DRIVEWAYS, REALIGNED SIDEWALK, UTILITY AND SIGNAL POLES, OR WHEN PRIVATE SIDEWALK TIES IN, WILL REQUIRE DETAILED SURVEY AND DESIGN.
- 4) ALL BRICK CORNERS WILL REQUIRE SUPERVISOR APPROVAL BEFORE USING PROJECT DETAILS

LEGEND



CONSTRUCTION NOTES:

- 1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK

* MATCH EXISTING SIDEWALK WIDTH

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

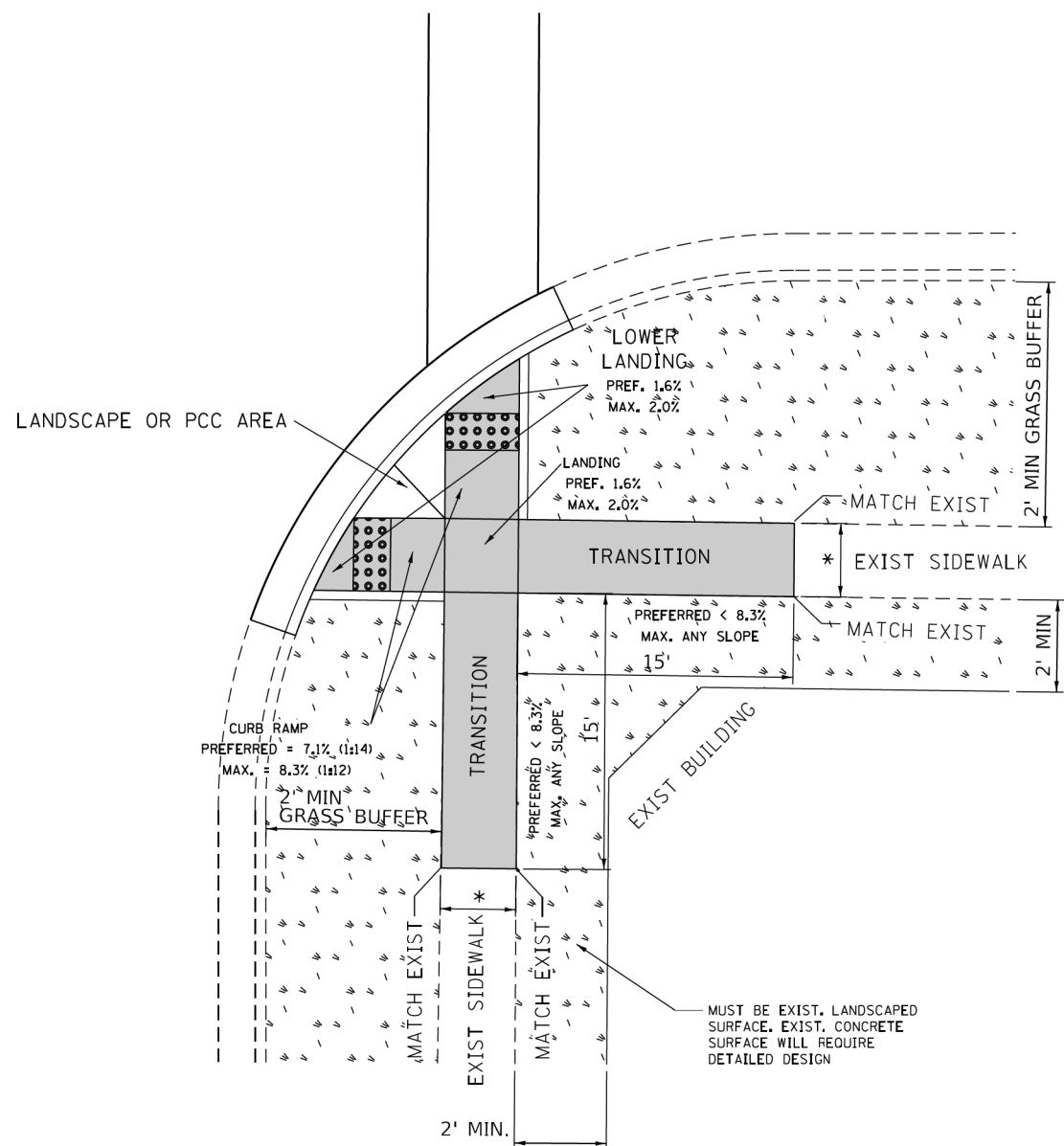
PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS
(PD-01)

SCALE: SHEET OF SHEETS STA. TO STA.

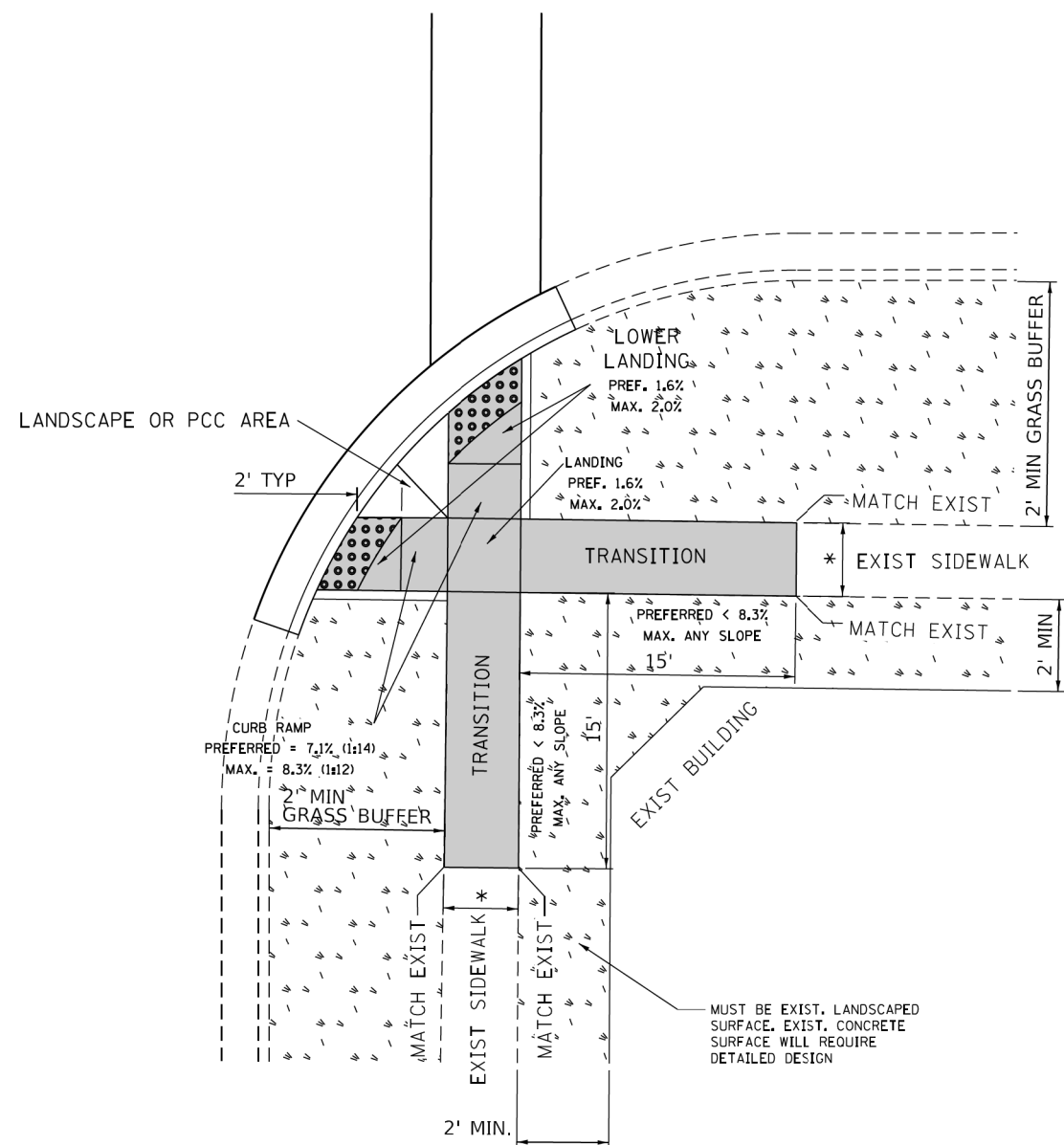
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348	2020-114-R56SW	COOK	97	91
	PD-01		CONTRACT NO. 62L92	
ILLINOIS FED. AID PROJECT				

ADA DETAIL FOR DOUBLE PERPENDICULAR CURB RAMPS

PD-03A



PD-03B



- DESIGNER NOTES:**
- 1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50).
 - 2) SIDEWALK REALIGNMENT WILL REQUIRE DETAILED DESIGN.
 - 3) AREAS SURROUNDED BY PCC/ASPHALT, BUILDINGS, OR ARE NEAR TO DRIVEWAYS, REALIGNED SIDEWALK, UTILITY AND SIGNAL POLES, OR WHEN PRIVATE SIDEWALK TIES IN, WILL REQUIRE DETAILED SURVEY AND DESIGN.
 - 4) ALL BRICK CORNERS WILL REQUIRE SUPERVISOR APPROVAL BEFORE USING PROJECT DETAILS

LEGEND

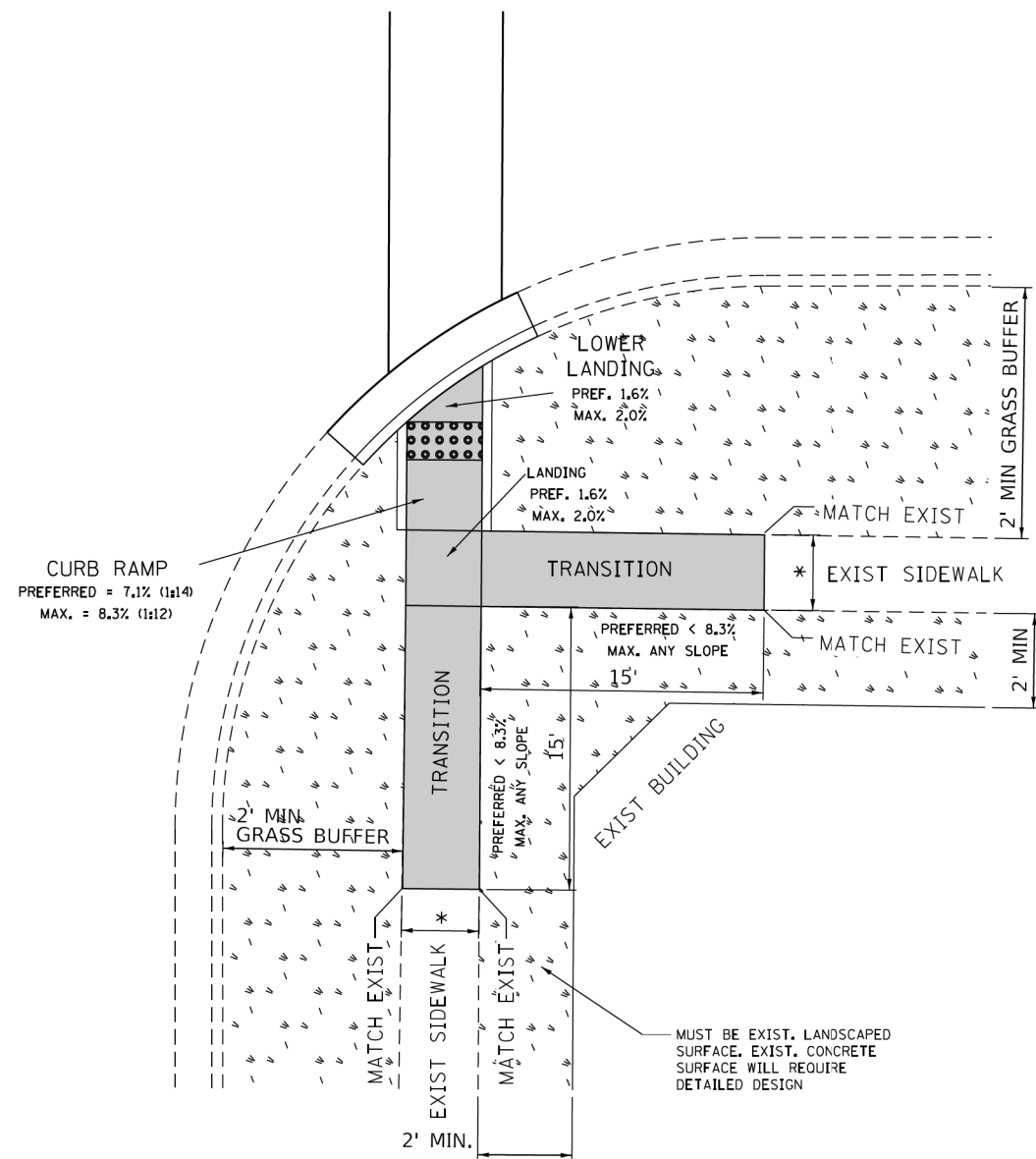
	PROPOSED SIDE CURB		EXIST. GRASS
	PROPOSED SIDEWALK		DETECTABLE WARNINGS

- CONSTRUCTION NOTES:**
- 1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK
- * MATCH EXISTING SIDEWALK WIDTH

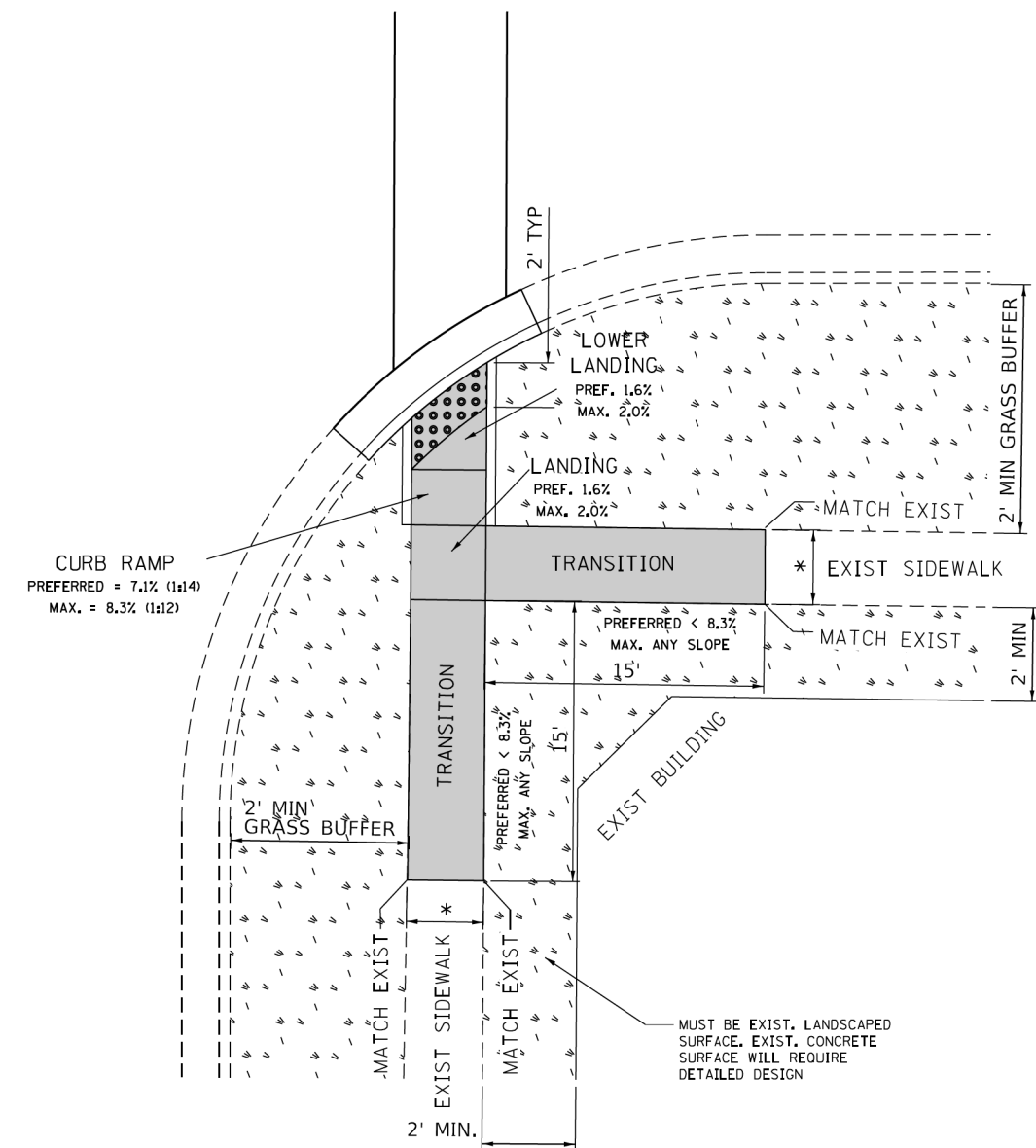
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				SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.

ADA DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS W/ TURNING SPACE

PD-04A



PD-04B



- DESIGNER NOTES:**
- 1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50).
 - 2) SIDEWALK REALIGNMENT WILL REQUIRE DETAILED DESIGN.
 - 3) AREAS SURROUNDED BY PCC/ASPHALT, BUILDINGS, OR ARE NEAR TO DRIVEWAYS, REALIGNED SIDEWALK, UTILITY AND SIGNAL POLES, OR WHEN PRIVATE SIDEWALK TIES IN, WILL REQUIRE DETAILED SURVEY AND DESIGN.
 - 4) ALL BRICK CORNERS WILL REQUIRE SUPERVISOR APPROVAL BEFORE USING PROJECT DETAILS

LEGEND

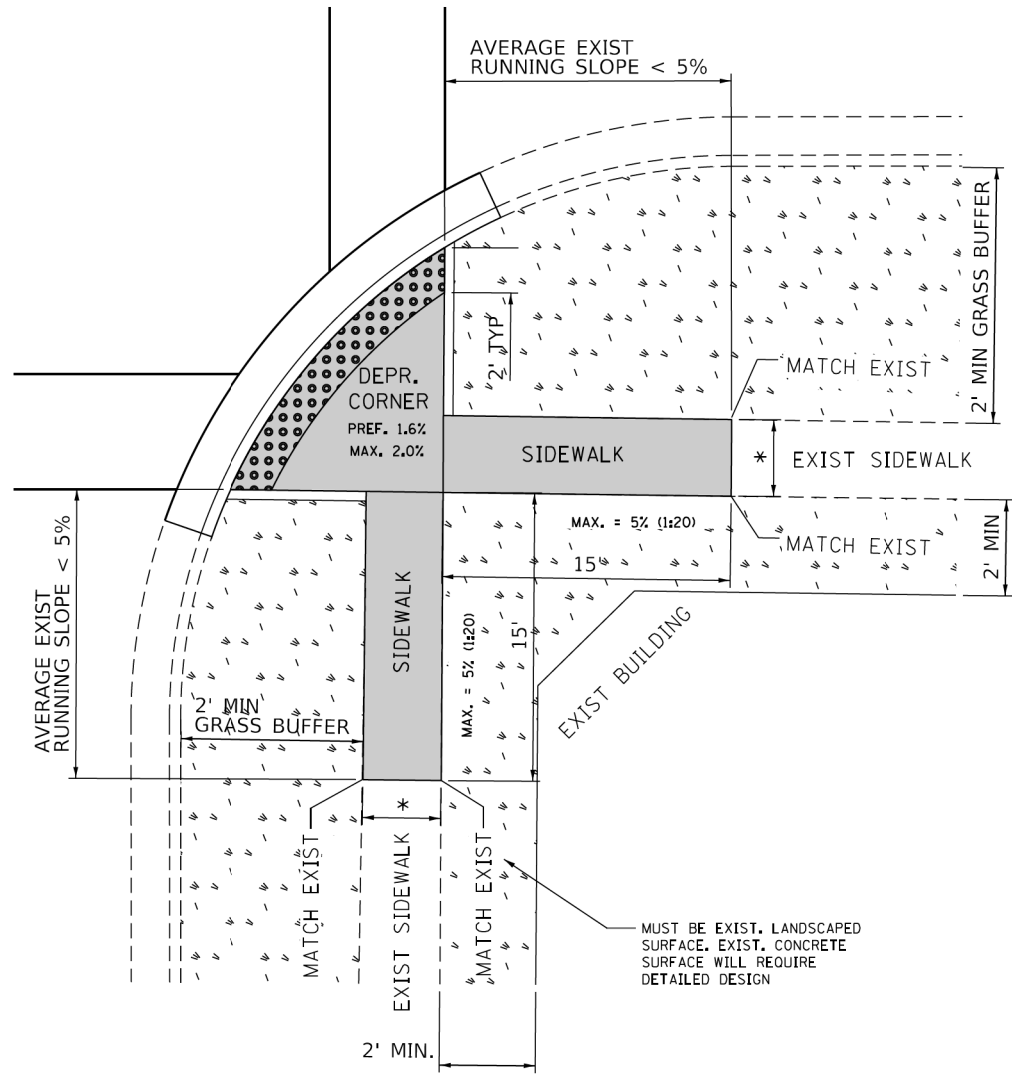
- PROPOSED SIDE CURB
- EXIST. GRASS
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS

- CONSTRUCTION NOTES:**
- 1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK
- * MATCH EXISTING SIDEWALK WIDTH

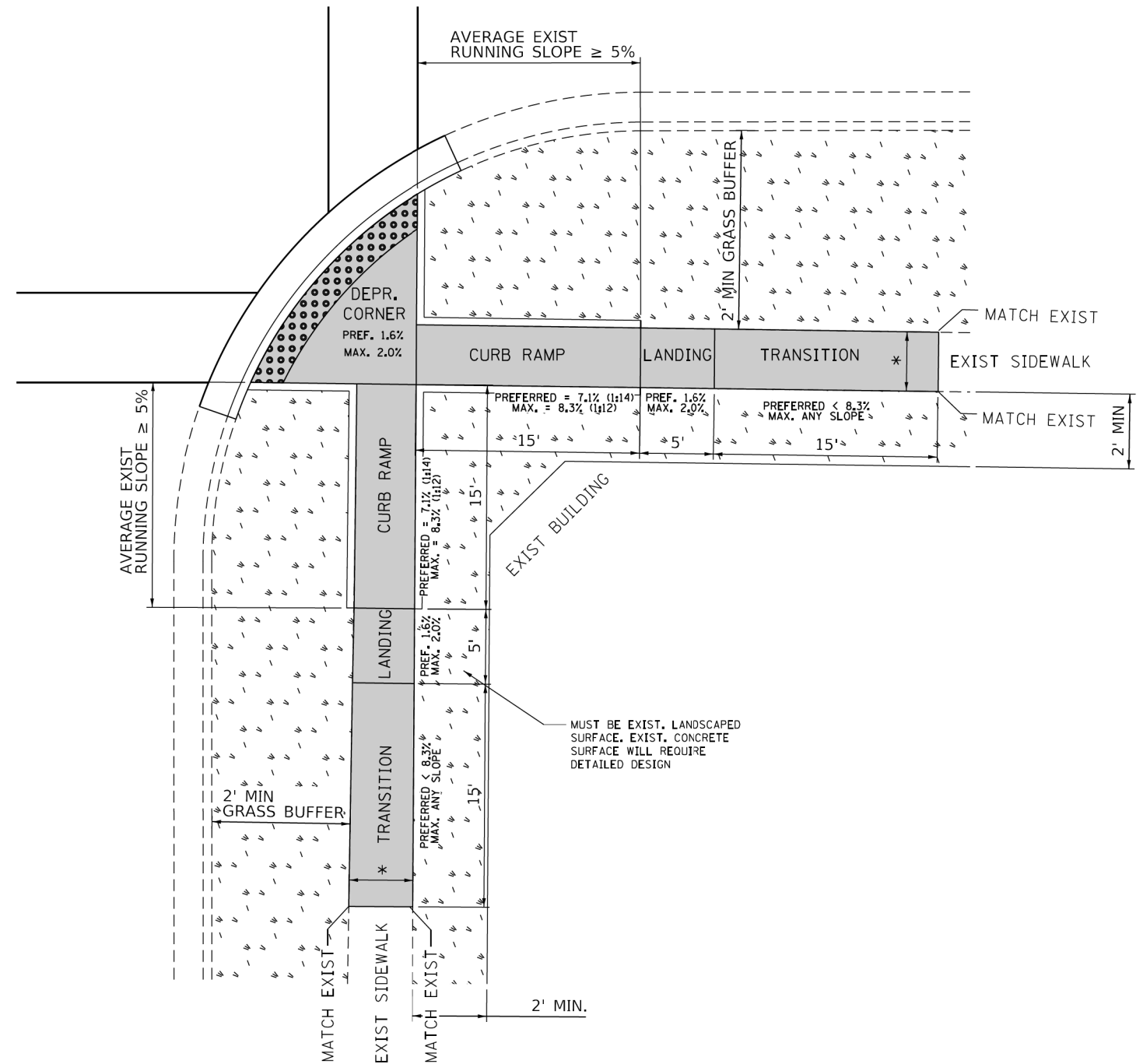
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		PLOT DATE = 11/12/2019	DATE -	SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.

ADA DETAIL FOR DEPRESSED CORNER CURB RAMPS

PD-05A



PD-05B



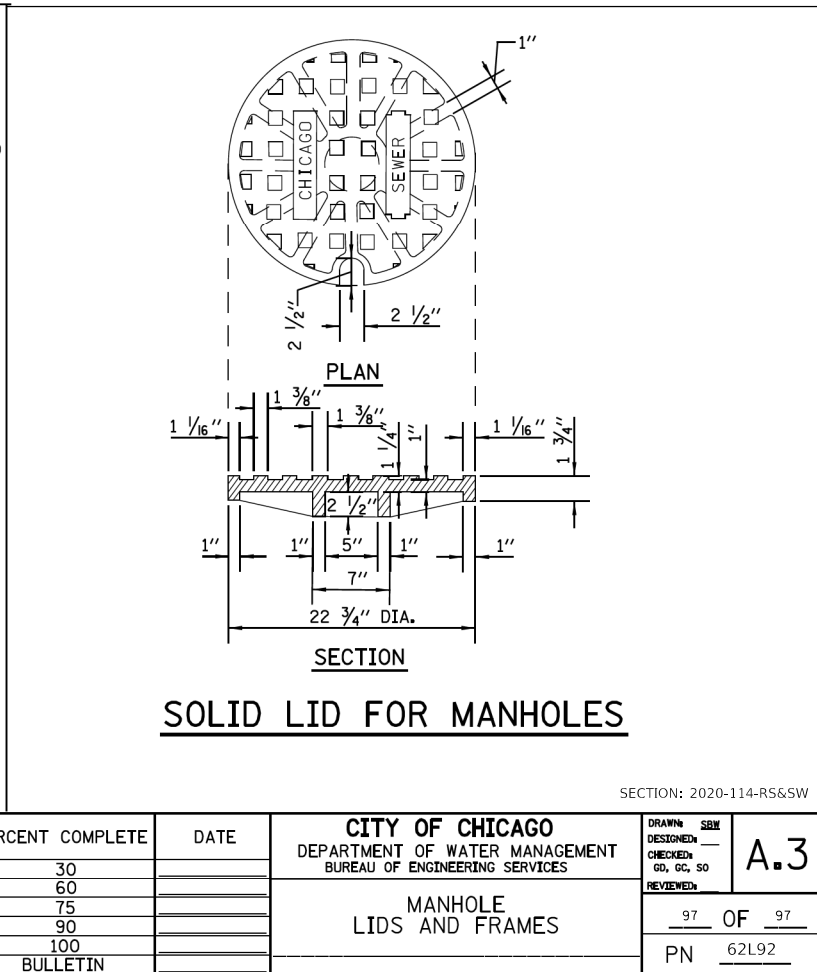
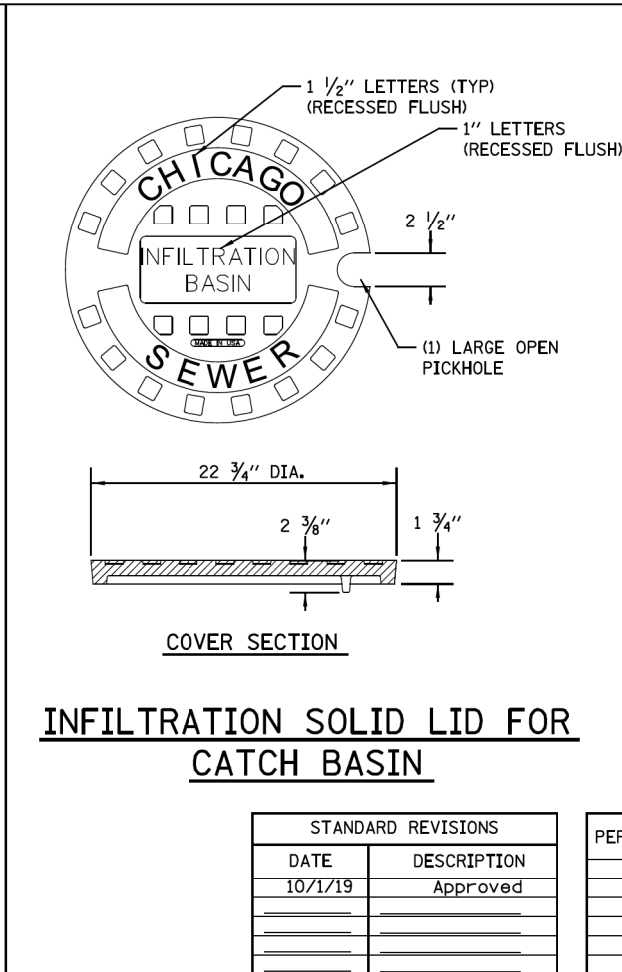
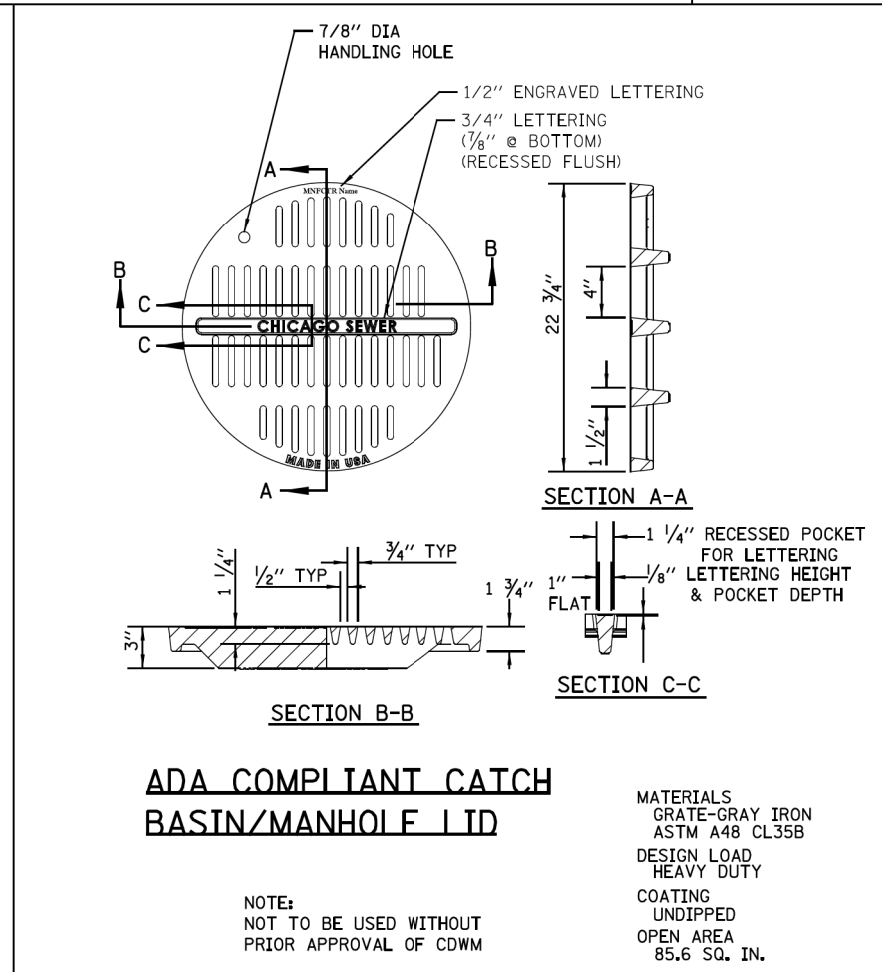
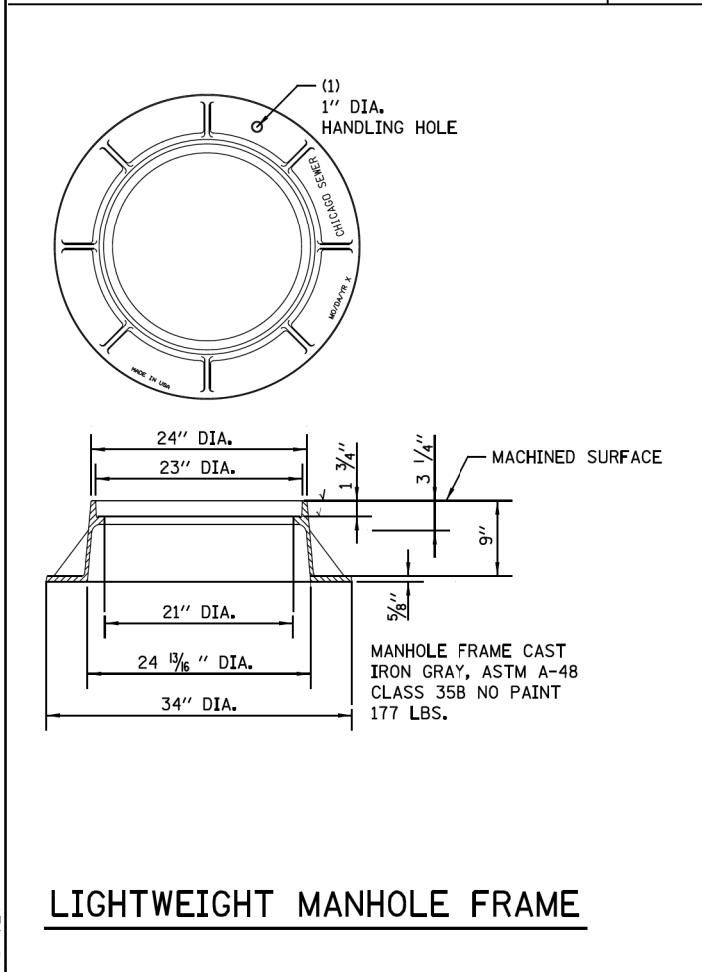
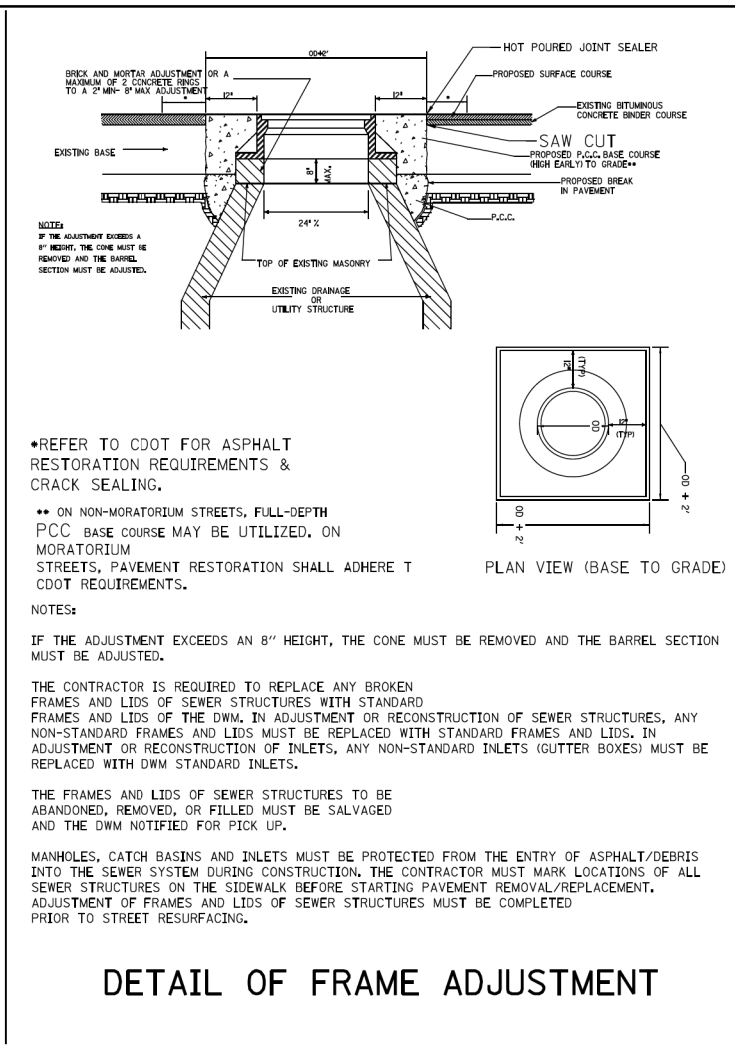
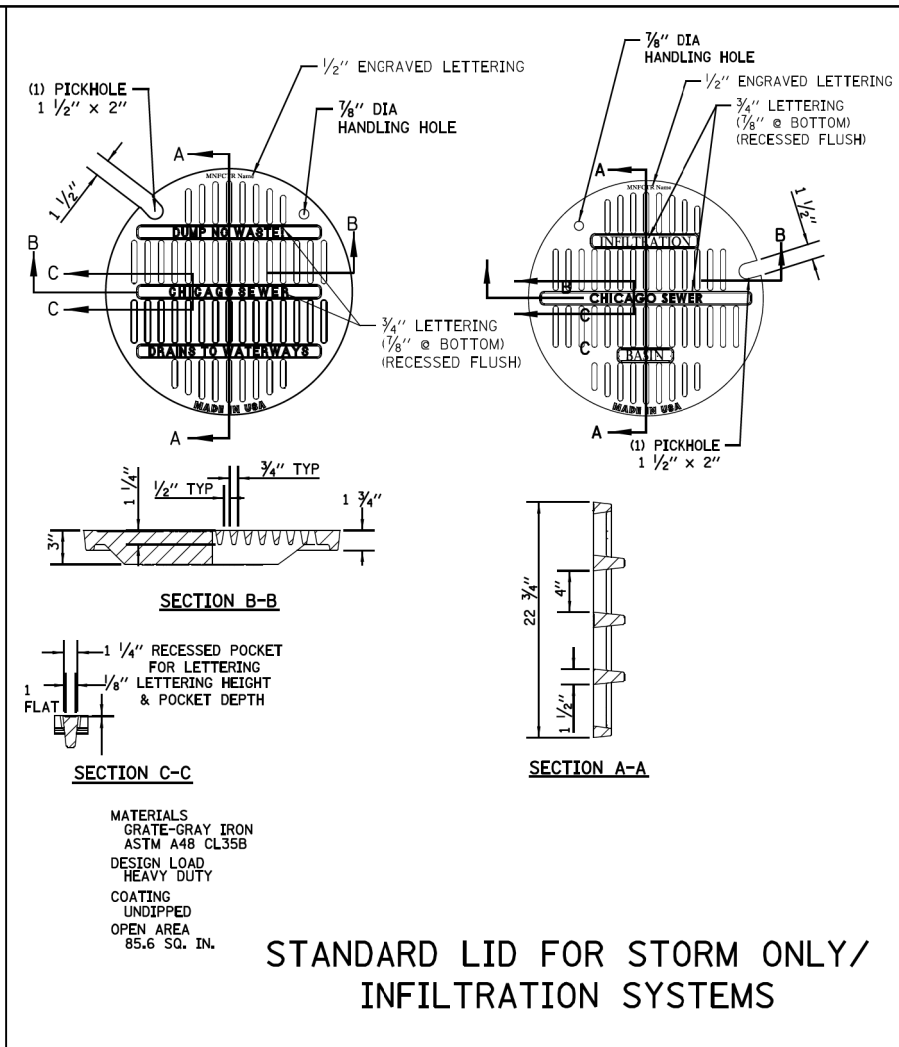
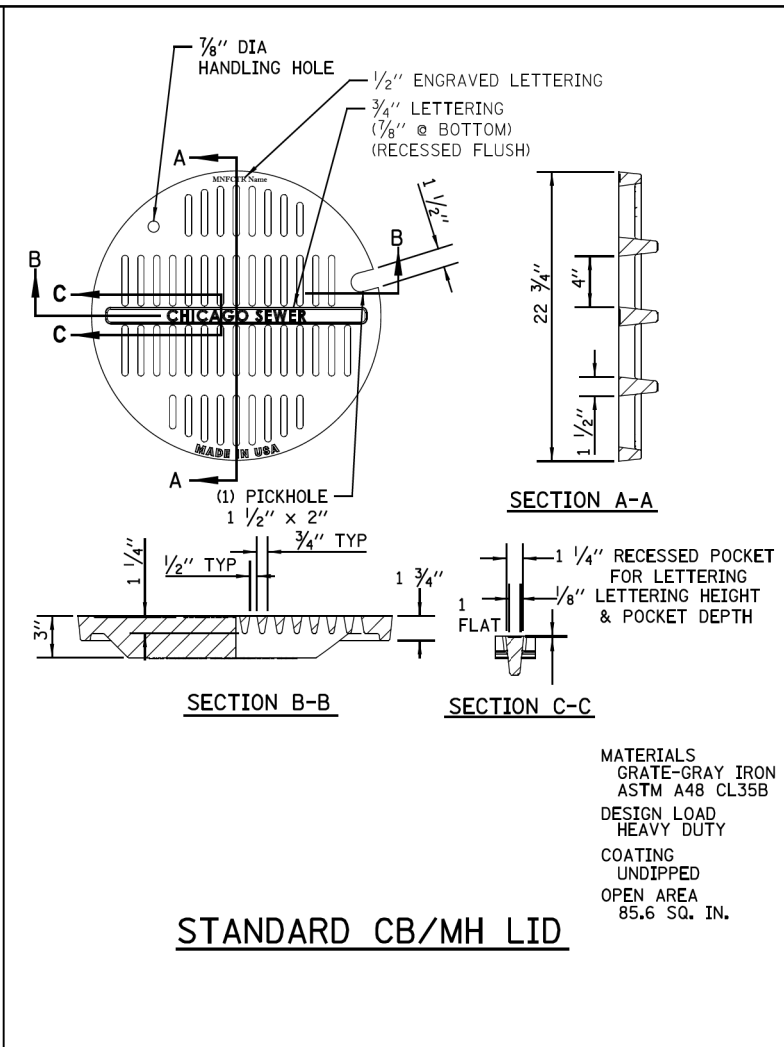
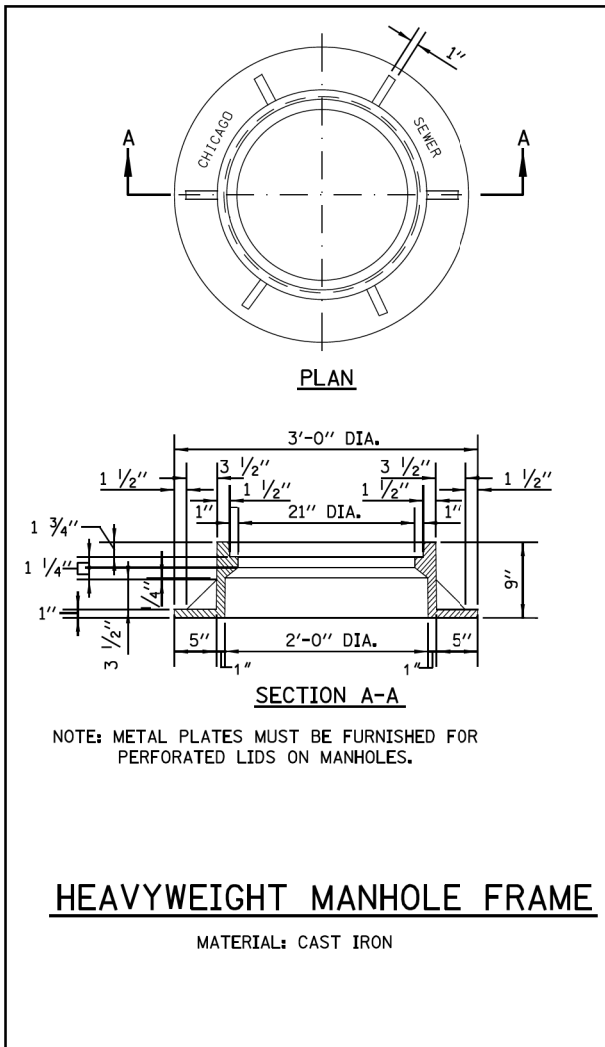
- DESIGNER NOTES:**
- 1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50).
 - 2) SIDEWALK REALIGNMENT WILL REQUIRE DETAILED DESIGN.
 - 3) AREAS SURROUNDED BY PCC/ASPHALT, BUILDINGS, OR ARE NEAR TO DRIVEWAYS, REALIGNED SIDEWALK, UTILITY AND SIGNAL POLES, OR WHEN PRIVATE SIDEWALK TIES IN, WILL REQUIRE DETAILED SURVEY AND DESIGN.
 - 4) ALL BRICK CORNERS WILL REQUIRE SUPERVISOR APPROVAL BEFORE USING PROJECT DETAILS

LEGEND

	PROPOSED SIDE CURB		EXIST. GRASS
	PROPOSED SIDEWALK		DETECTABLE WARNINGS

- CONSTRUCTION NOTES:**
- 1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK
- * MATCH EXISTING SIDEWALK WIDTH

FILE NAME =	USER NAME = ledzerm	DESIGNED -	REVISED -	STATE OF ILLINOIS	PROJECT DETAIL FOR DEPRESSED CORNER CURB RAMPS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Se\WP\PLANPREP\SQUAD1\Des_RL\Typical ADA details\Typical-ADA-sh1-plandgn		DRAWN - RL 11/12/2019	REVISED -	DEPARTMENT OF TRANSPORTATION	(PD-05)	348	2020-114-R56SW	COOK	97	95
Default	PLOT SCALE = 10,0000 / 1in	CHECKED -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.
	PLOT DATE = 11/12/2019	DATE -	REVISED -							
										ILLINOIS FED. AID PROJECT
										CONTRACT NO. 62L92



STANDARD REVISIONS	
DATE	DESCRIPTION
10/1/19	Approved

PERCENT COMPLETE	DATE
30	
60	
75	
90	
100	
BULLETIN	

CITY OF CHICAGO
DEPARTMENT OF WATER MANAGEMENT
BUREAU OF ENGINEERING SERVICES

**MANHOLE
LIDS AND FRAMES**

DRAWN: SBE
DESIGNED: SBE
CHECKED: GD, GC, SO
REVIEWED: SBE

A.3

97 OF 97
PN 62L92

FILED \$
DATE \$