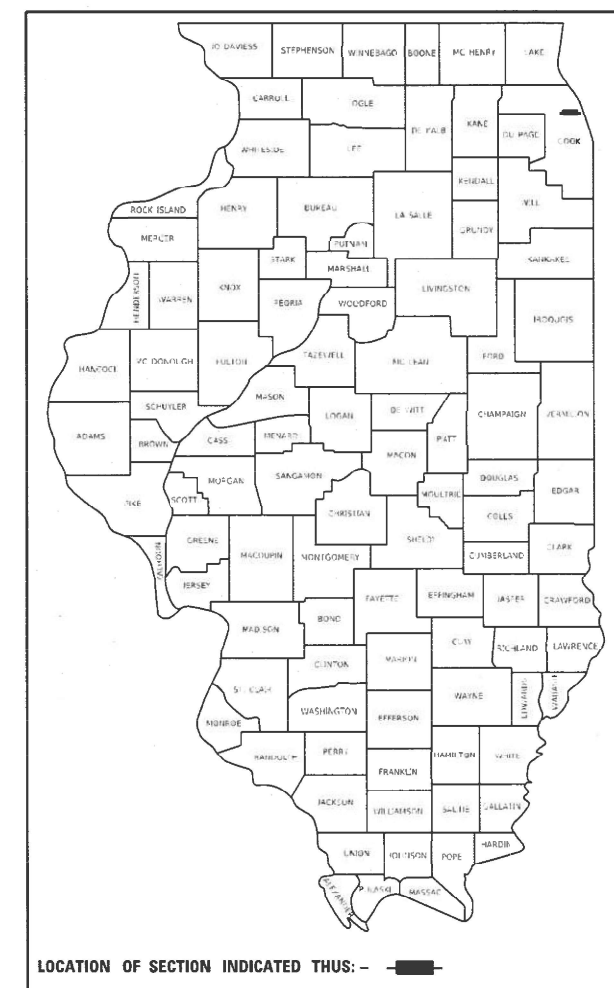


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2020-102-RS	COOK	49	1
ILLINOIS CONTRACT NO. 62L80				

* 49 + 2 = 51 TOTAL SHEETS

D-91-501-20



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

FOR INDEX OF SHEETS, SEE SHEET NO. 2

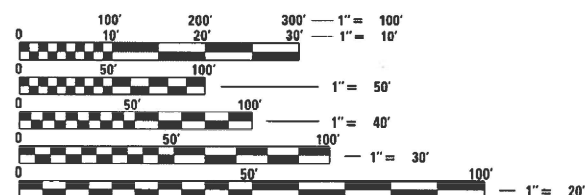
PROJECT IS LOCATED IN THE CITY OF CHICAGO

TRAFFIC DATA:
ADT: 39,800 (2019)
POSTED SPEED LIMIT: 30 MPH

**PROPOSED
HIGHWAY PLANS**

F.A.P. ROUTE 341 (US 14 (PETERSON AVE.))
US 41 TO RIDGE AVE.
SECTION: 2020-102-RS
PROJECT: NHPP-37UJ(772)
SMART OVERLAY, ADA IMPROVEMENTS
COOK COUNTY

C-91-299-20

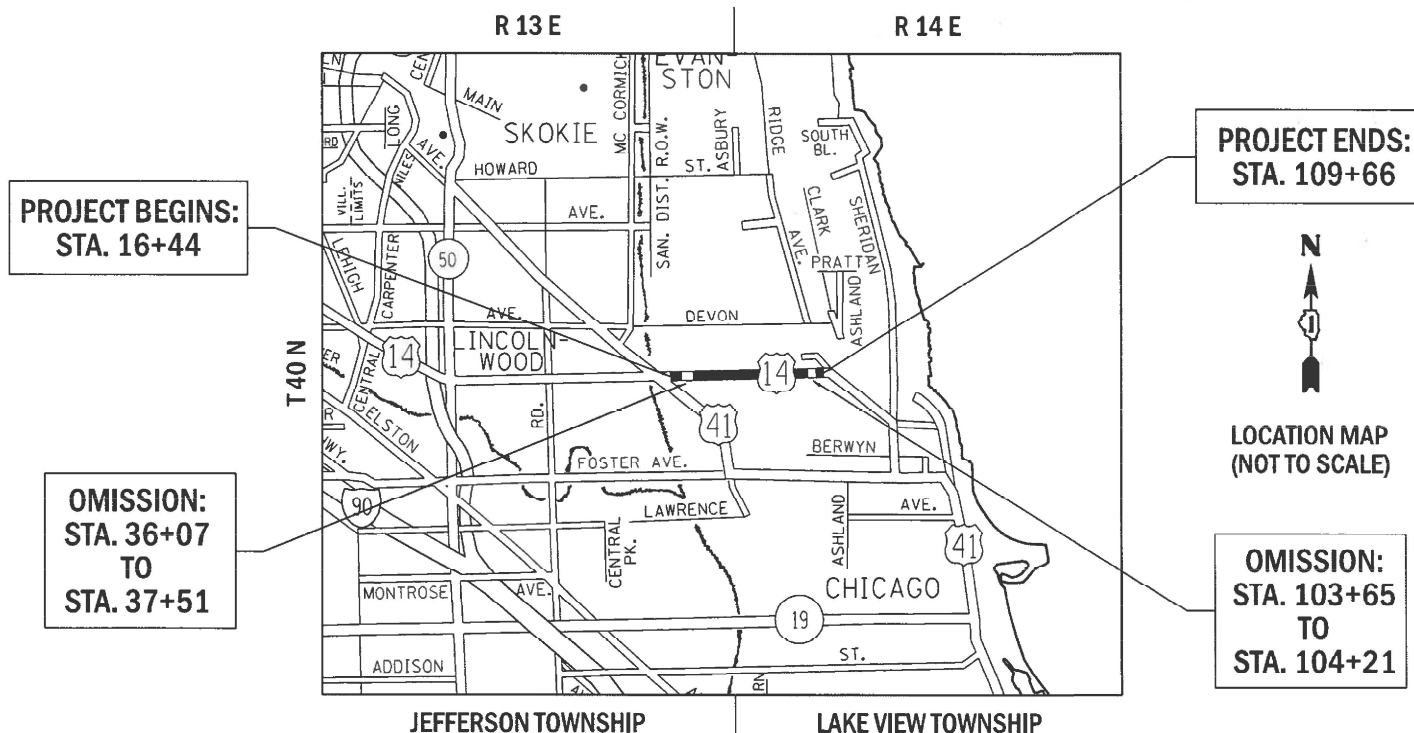


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

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

CONTRACT NO. 62L80



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED MARCH 11, 2021
Jose Pina/CMB REGIONAL ENGINEER
May 7, 2021
J. A. Elk ENGINEER OF DESIGN AND ENVIRONMENT
May 7, 2021
James J. [Signature] DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, HIGHWAY STANDARDS AND GENERAL NOTES
3-5	SUMMARY OF QUANTITIES
6-9	EXISTING AND PROPOSED TYPICAL SECTIONS
10-13	ROADWAY AND PAVEMENT MARKINGS PLAN
14-34	ADA RAMP DETAILS
35	PROJECT DETAILS FOR CURB RAMPS (PD-03)
36	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING (BD-8)
37	CITY OF CHICAGO DETAILS FOR P.C. CONCRETE DRIVEWAY, ALLEY RETURN AND SIDEWALK (BD-17)
38	PAVEMENT PATCHING FOR HMA SURFACE PAVEMENT (BD-22)
39	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT (BD-24)
40	BUTT JOINT AND HMA TAPER DETAILS (BD-32)
41	CITY OF CHICAGO CATCH BASIN, INLET AND MANHOLE DETAILS (BD-47)
42	CITY OF CHICAGO DETECTABLE WARNINGS (BD-58)
43	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)
44	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) (TC-14)
45	SHORT TERM PAVEMENT MARKING LETTER AND SYMBOLS (TC-16)
46	ARTERIAL ROAD INFORMATION SIGN (TC-22)
47-49	CITY OF CHICAGO TYPICAL PAVEMENT MARKINGS (TC-24)
49A	STANDARD TRAFFIC SIGNAL DESIGN DETAILS (TS-05, SHEET 2 OF 7)
49B	DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING (TS-07)

HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424011-04	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
442201-03	CLASS C & D PATCHES
604001-05	FRAMES AND LIDS TYPE 1
606001-07	COMBINATION CURB AND GUTTER
701101-05	OFF ROAD OPERATIONS, MULTILANE, LESS THAN 15 FT TO EDGE OF PAVEMENT
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION FOR SPEED <=40 MPH
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W, WITH MOUNTABLE MEDIAN
701611-01	URBAN HALF ROAD CLOSURE, MULTILANE, 2W, WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-01	SIGN PANEL ERECTION DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS

GENERAL NOTES

NOTE NO.	DESCRIPTION
1	BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "C.U.A.N." (CHICAGO UTILITY ALERT NETWORK) AT (312) 744-7000 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. (48 HOUR NOTIFICATION REQUIRED).
2	THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE CITY OF CHICAGO.
3	THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
4	THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
5	SAW CUTTING OF PAVEMENTS, SIDEWALK, CURB & GUTTER, ETC. SHALL BE TO FULL DEPTH OR AS DIRECTED BY THE ENGINEER 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.
6	DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
7	BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) ACCORDING TO THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
8	WHEN THE MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES (40 mm) WHERE THE SPEED LIMIT IS 40 MPH. WITH WRITTEN APPROVAL OF THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75 mm) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H) OR A NOTCHED LONGITUDINAL WEDGE IS USED.
9	OVERNIGHT LANE CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURES AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS.
10	BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE ALL EXISTING PAVEMENT MARKING LINES IN ORDER THAT THESE LOCATIONS CAN BE REESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKING SHALL BE AS DIRECTED BY THE ENGINEER.
11	PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
12	THE CONTRACTOR SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV. A MINIMUM OF 72 HOURS PRIOR TO BEGINNING WORK.
13	THE RESIDENT ENGINEER SHALL CONTACT THE AREA TRAFFIC FIELD ENGINEER, EMAD ALHUSSEINI AT EMAD.ALHUSSEINI@ILLINOIS.GOV AT LEAST TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
14	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.
15	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.
16	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.
17	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.
18	EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

GENERAL NOTES (CONTINUED)

NOTE NO.	DESCRIPTION
19	LOCATIONS OF PAVEMENT PATCHING, SIDEWALK REMOVAL, PCC SIDEWALK 5", PCC SIDEWALK 8", COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT, DRAINAGE ADJUSTMENT, RECONSTRUCTION, STRUCTURE AND STORM SEWER TO BE CLEANED WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
20	IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
21	TEN (10) FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTER AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.
22	ALL PAVEMENT MARKINGS SHALL BE INSTALLED ACCORDING TO IDOT DISTRICT ONE DETAIL TC-24.
23	ALL SIDEWALK RAMPS SHALL CONFORM TO CURRENT ADA REQUIREMENTS AND APPLICABLE STATE HIGHWAY STANDARDS OR AS DETERMINED BY THE ENGINEER.
24	THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES DURING CONSTRUCTION.
25	THE CONTRACTOR SHALL USE EXTRA CARE AND PRECAUTION WHEN WORKING UNDER THE RAILROAD VIADUCT AT APPROXIMATELY STA. 103+00 DUE TO LOW VERTICAL CLEARANCE.
26	THE ENGINEER SHALL REPORT CLEARANCES UNDER THE RAILROAD VIADUCT AT APPROXIMATELY STA. 103+00 AFTER RESURFACING.
27	ALL CATCH BASINS IN THE CITY OF CHICAGO MUST MEET THE DEPARTMENT OF SEWERS' STANDARDS.
28	PERMITS FROM THE DEPARTMENT OF SEWERS ARE REQUIRED FOR ALL UNDERGROUND STORM, SANITARY OR COMBINED SEWER SYSTEM 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.
29	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.
30	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.
31	AT VARIOUS LOCATIONS THROUGHOUT THE PROJECT, THE EXISTING CONCRETE GUTTER FLAG IS OVERLAID WITH EXISTING HMA SURFACE. THE REMOVAL OF HMA ON THE GUTTER FLAG SHALL BE INCLUDED IN THE UNIT COST OF HMA SURFACE REMOVAL, 1 1/4".
32	THE CONTRACTOR SHALL MILL AND RESURFACE AROUND ALL CONCRETE BUS PADS LOCATED WITHIN PAVEMENT.
33	ALL PROPOSED SIDEWALK WORK AT SIGNALIZED INTERSECTIONS SHALL BE PAID FOR AS PCC SIDEWALK 8". ALL OTHER LOCATIONS SHALL BE PAID FOR AS PCC SIDEWALK 5".
34	THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNER(S) OF THE BENCHES AT THE NE CORNER OF US 14 AND SACRAMENTO AVENUE AND THE NE CORNER OF US 14 AND FRANCISCO AVENUE PRIOR TO RELOCATING BENCHES.
35	INLET FILTERS SHALL BE UTILIZED IN THE VICINITY OF ALL PROPOSED BUMPOUT WORK OR AS DIRECTED BY THE ENGINEER.
36	ANY DETECTOR LOOPS IMPACTED BY MILLING AND RESURFACING OPERATIONS SHALL BE REPLACED IN KIND. LOCATIONS SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER THROUGH COORDINATION WITH THE CITY OF CHICAGO.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, STATE STANDARDS & GENERAL NOTES US 14 (PETERSON AVE.) – US 41 TO RIDGE AVE.			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2020-102-R5	COOK	49	2
			CONTRACT NO. 62L80	
		ILLINOIS	FED. AID PROJECT	

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE						
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FED 20% STATE 0005	100% STATE 0005				
			URBAN						
20200100	EARTH EXCAVATION	CU YD	84	84					
20400800	FURNISHED EXCAVATION	CU YD	120	120					
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	916	916					
25200110	SODDING, SALT TOLERANT	SO YD	916	916					
25200200	SUPPLEMENTAL WATERING	UNIT	10	10					
28000510	INLET FILTERS	EACH	17	17					
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	28257	28257					
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	94	94					
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	688	688					
40605026	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80	TON	6154	6154					
42001300	PROTECTIVE COAT	SO YD	3060	3060					
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SO YD	182	182					
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	11946	11946					
* SPECIALTY ITEMS									

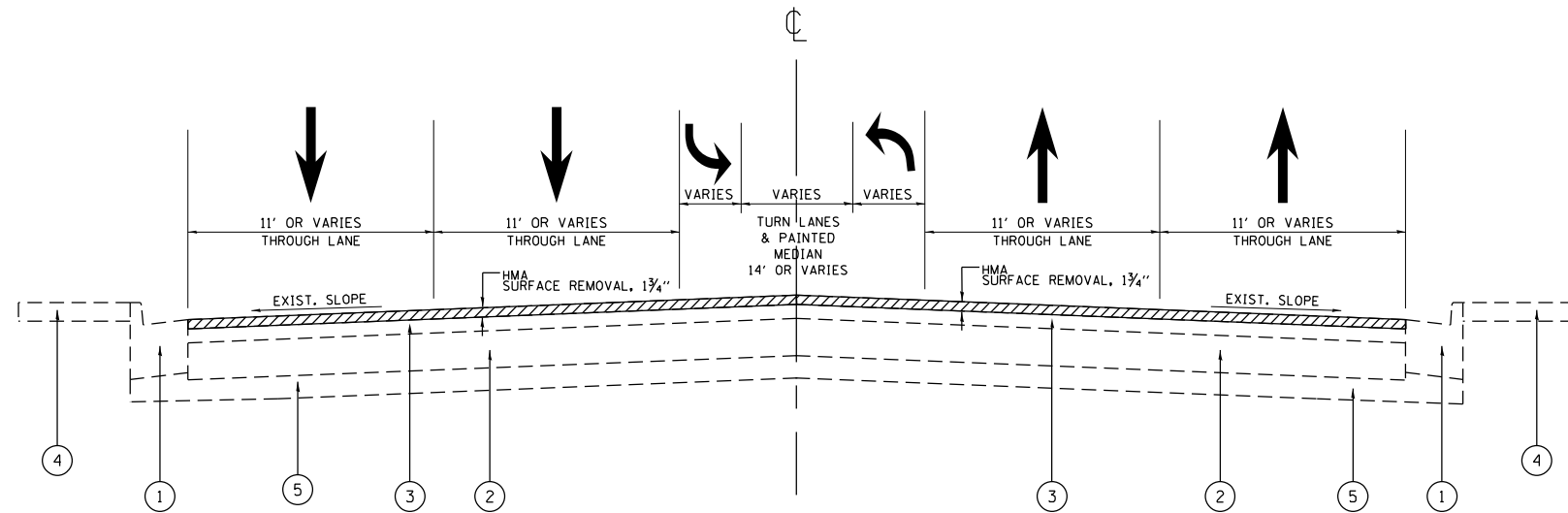
SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE						
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FED 20% STATE 0005	100% STATE 0005				
			URBAN						
42400410	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SO FT	2354	2354					
44000100	PAVEMENT REMOVAL	SO YD	345	345					
44000156	HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"	SO YD	62626	62626					
44000200	DRIVEWAY PAVEMENT REMOVAL	SO YD	182	182					
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	753	753					
44000600	SIDEWALK REMOVAL	SO FT	10357	10357					
44003510	MEDIAN REMOVAL PARTIAL DEPTH	SO FT	1503	1503					
44201785	CLASS D PATCHES, TYPE I, 12 INCH	SO YD	65	65					
44201789	CLASS D PATCHES, TYPE II, 12 INCH	SO YD	562	562					
44201794	CLASS D PATCHES, TYPE III, 12 INCH	SO YD	1074	1074					
44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SO YD	850	850					
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	9	9					
60255500	MANHOLES TO BE ADJUSTED	EACH	5	5					
60262700	INLETS TO BE RECONSTRUCTED	EACH	10	10					
60266600	VALVE BOXES TO BE ADJUSTED	EACH	1	1					

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FED 20% STATE 0005	100% STATE 0005			
			URBAN					
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	45	45				
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	26	26				
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	50	50				
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	885	885				
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	84	84				
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	3	3				
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	1				
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	1				
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	13	13				
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12				
67100100	MOBILIZATION	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				
* SPECIALTY ITEMS								

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE					
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			URBAN					
70102634	TRAFFIC CONTROL AND PROTECTION, STANDARD 701611	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				
70300100	SHORT TERM PAVEMENT MARKING	FOOT	23620	23620				
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	7874	7874				
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SO FT	1287	1287				
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	28025	28025				
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	6635	6635				
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	1248	1248				
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	5135	5135				
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	11810	11810				
* 72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	1	1				
* 72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	1	1				

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE						
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FED 20% STATE 0005	100% STATE 0005				
			URBAN						
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	1248	1248					
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	28007	28007					
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	6635	6635					
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1248	1248					
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	5117	5117					
* 78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	38.7	38.7					
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	18	18					
* 78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	18	18					
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	404	404					
88600600	DETECTOR LOOP REPLACEMENT	FOOT	510	510					
X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1					
X0327149	RELOCATE BENCH	EACH	2	2					
X4240800	DETECTABLE WARNINGS (SPECIAL)	SO FT	986	986					
X4400220	CURB REMOVAL AND REPLACEMENT	FOOT	38	38					
* SPECIALTY ITEMS									

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE						
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FED 20% STATE 0005	100% STATE 0005				
			URBAN						
X4400501	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	2440	2440					
X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	200		200				
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	124	124					
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SO FT	29401	29401					
Z0004562	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	2453	2453					
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	180		180				
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	154.2	154.2					
Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	27732	27732					
Z0076600	TRAINEES	HOURS	500	500					
Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOURS	500	500					



**US 14 (PETERSON AVE.)
EXISTING TYPICAL SECTION**

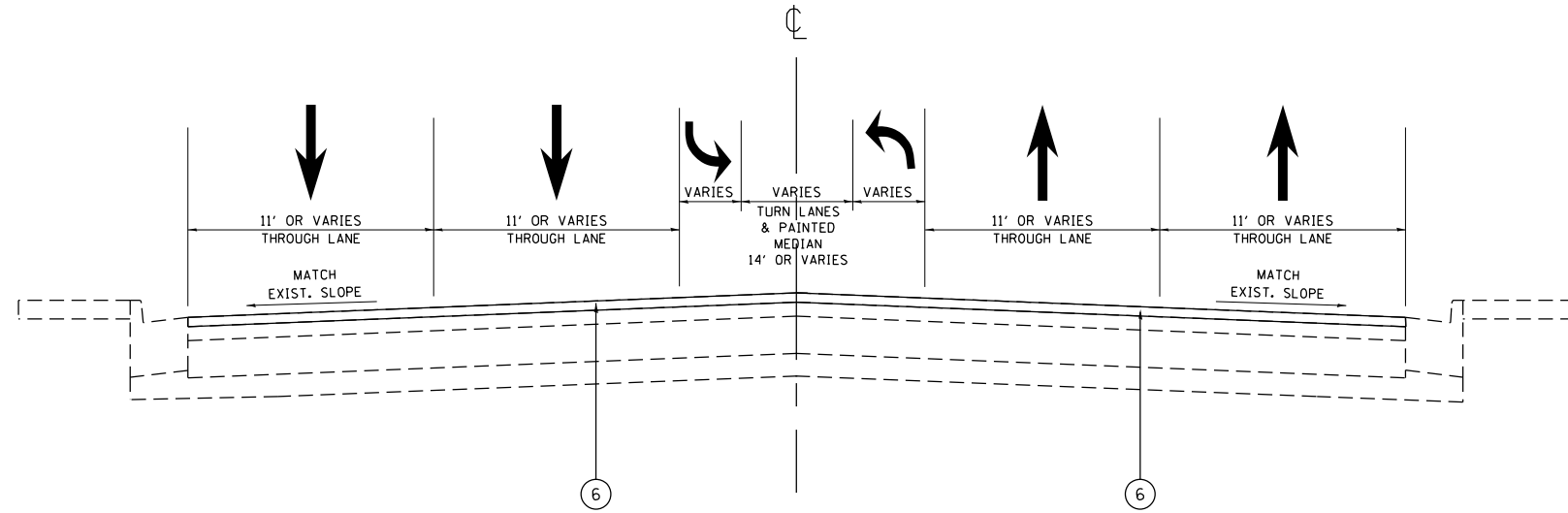
STA. 16+44 TO STA. 36+07
STA. 37+51 TO STA. 66+85

LEGEND:

- ① EXISTING CONCRETE CURB OR CONCRETE CURB & GUTTER
- ② EXISTING PCC PAVEMENT, 9"
- ③ EXISTING HMA SURFACE, ± 5"
- ④ EXISTING SIDEWALK
- ⑤ EXISTING AGGREGATE BASE COURSE
- ⑥ PROPOSED POLYMERIZED HMA SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 1 3/4"

NOTES:

1. THE CONTRACTOR SHALL MILL FIRST BEFORE PATCHING.
2. THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE MILLED SURFACE.



**US 14 (PETERSON AVE.)
PROPOSED TYPICAL SECTION**

STA. 16+44 TO STA. 36+07
STA. 37+51 TO STA. 66+85

HOT-MIX ASPHALT MIXTURE REQUIREMENTS			
MIXTURE USES	MIXTURE TYPE	AIR VOIDS @ Ndes	QUALITY MANAGEMENT PROGRAM (QMP)
PAVEMENT SMART OVERLAY	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 1 3/4"	3.5% @ 80 CYR.	OCP
PATCHING	CLASS D PATCHES (HMA BINDER IL-19 mm)	4% @ 70 CYR	QC/OA

QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/OA); QUALITY CONTROL FOR PERFORMANCE (OCP)

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

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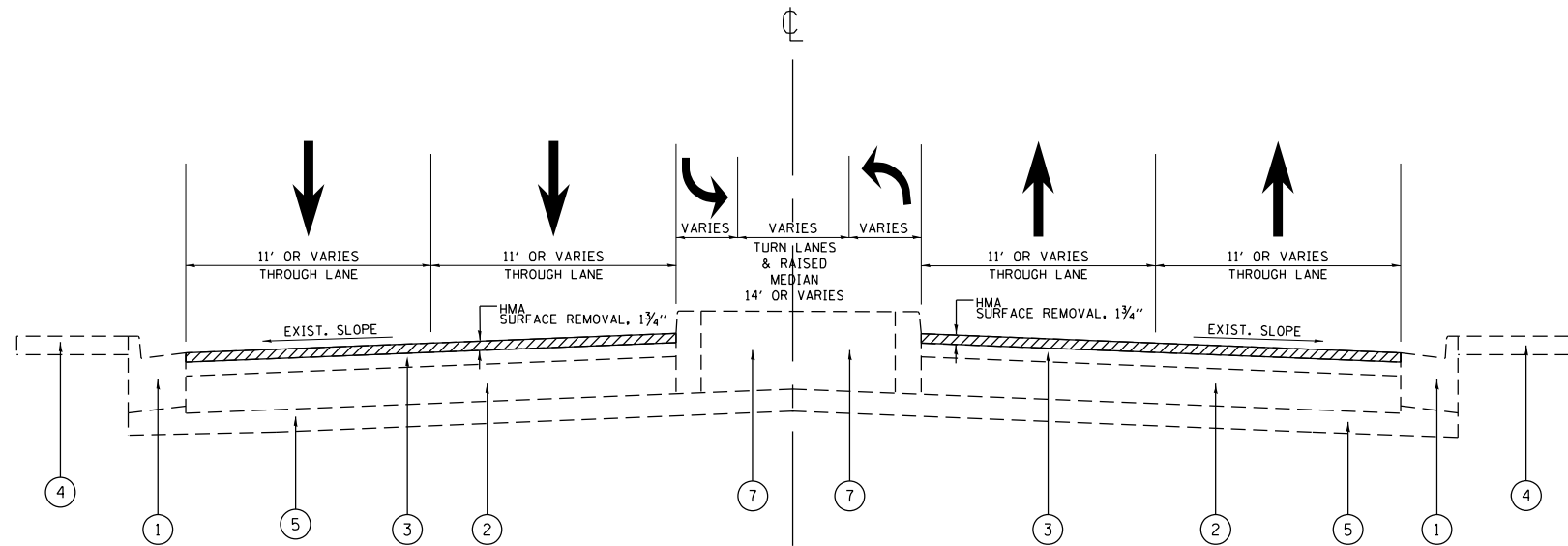
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED TYPICAL SECTIONS
US 14 (PETERSON AVE.) - US 41 TO RIDGE AVE.**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2020-102-R5	COOK	49	6
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62L80	



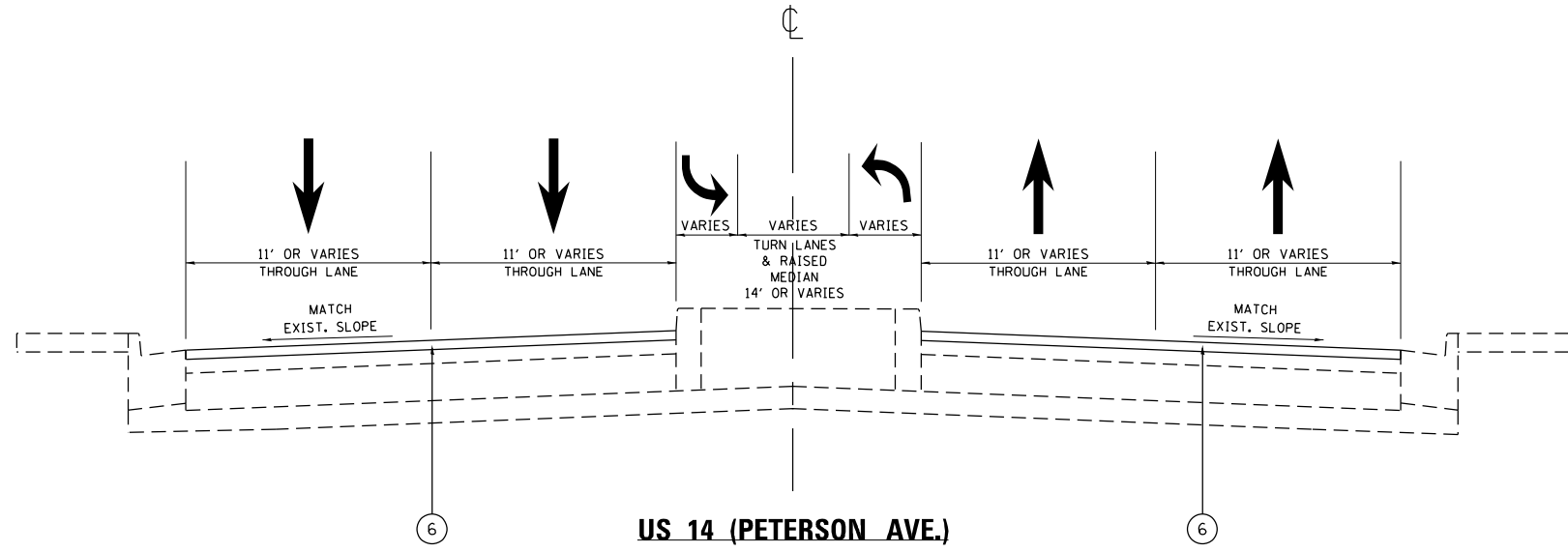
US 14 (PETERSON AVE.)
EXISTING TYPICAL SECTION
 STA. 66+85 TO STA. 103+65

LEGEND:

- ① EXISTING CONCRETE CURB OR CONCRETE CURB & GUTTER
- ② EXISTING PCC PAVEMENT, 9"
- ③ EXISTING HMA SURFACE, ± 5"
- ④ EXISTING SIDEWALK
- ⑤ EXISTING AGGREGATE BASE COURSE
- ⑥ PROPOSED POLYMERIZED HMA SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 1 3/4"
- ⑦ EXISTING BARRIER MEDIAN

NOTES:

1. THE CONTRACTOR SHALL MILL FIRST BEFORE PATCHING.
2. THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE MILLED SURFACE.



US 14 (PETERSON AVE.)
PROPOSED TYPICAL SECTION
 STA. 66+85 TO STA. 103+65

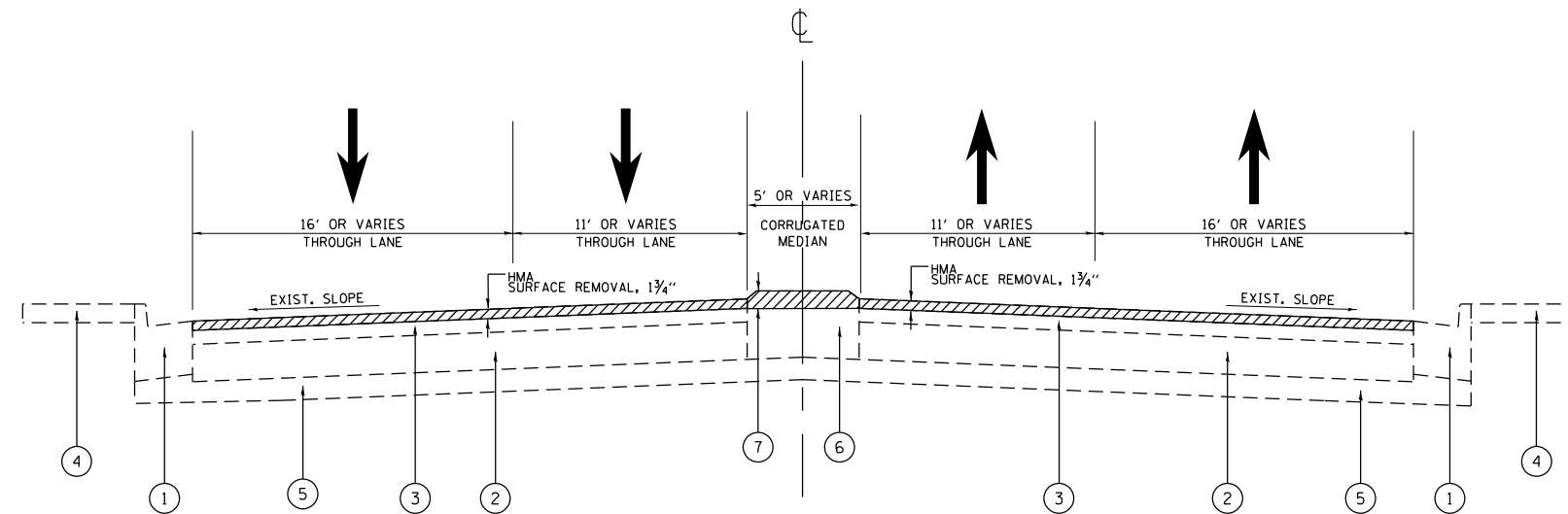
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PLOT DATE = 3/18/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED TYPICAL SECTIONS			
US 14 (PETERSON AVE.) - US 41 TO RIDGE AVE.			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2020-102-R5	COOK	49	7
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62L80	



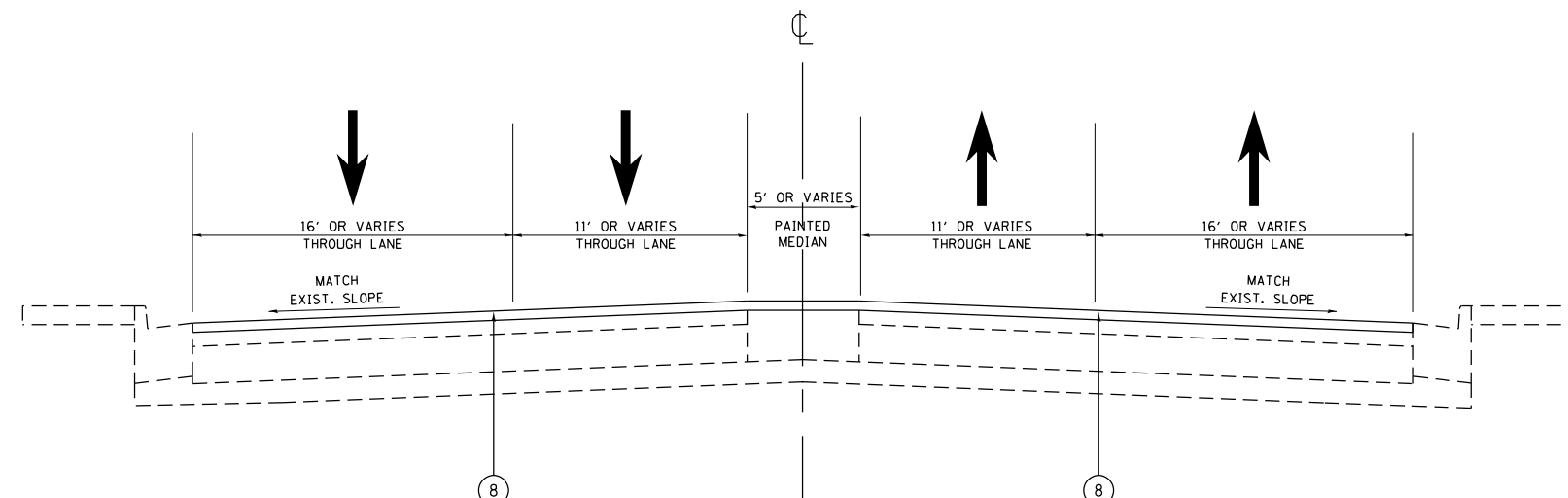
US 14 (PETERSON AVE.)
EXISTING TYPICAL SECTION
 STA. 104+21 TO STA. 108+30

LEGEND:

- ① EXISTING CONCRETE CURB OR CONCRETE CURB & GUTTER
- ② EXISTING PCC PAVEMENT, 9"
- ③ EXISTING HMA SURFACE, ± 5"
- ④ EXISTING SIDEWALK
- ⑤ EXISTING AGGREGATE BASE COURSE
- ⑥ EXISTING MOUNTABLE CORRUGATED MEDIAN
- ⑦ PROPOSED MEDIAN REMOVAL PARTIAL DEPTH
- ⑧ PROPOSED POLYMERIZED HMA SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 1¾"

NOTES:

1. THE CONTRACTOR SHALL MILL FIRST BEFORE PATCHING.
2. THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE MILLED SURFACE.



US 14 (PETERSON AVE.)
PROPOSED TYPICAL SECTION
 STA. 104+21 TO STA. 108+30

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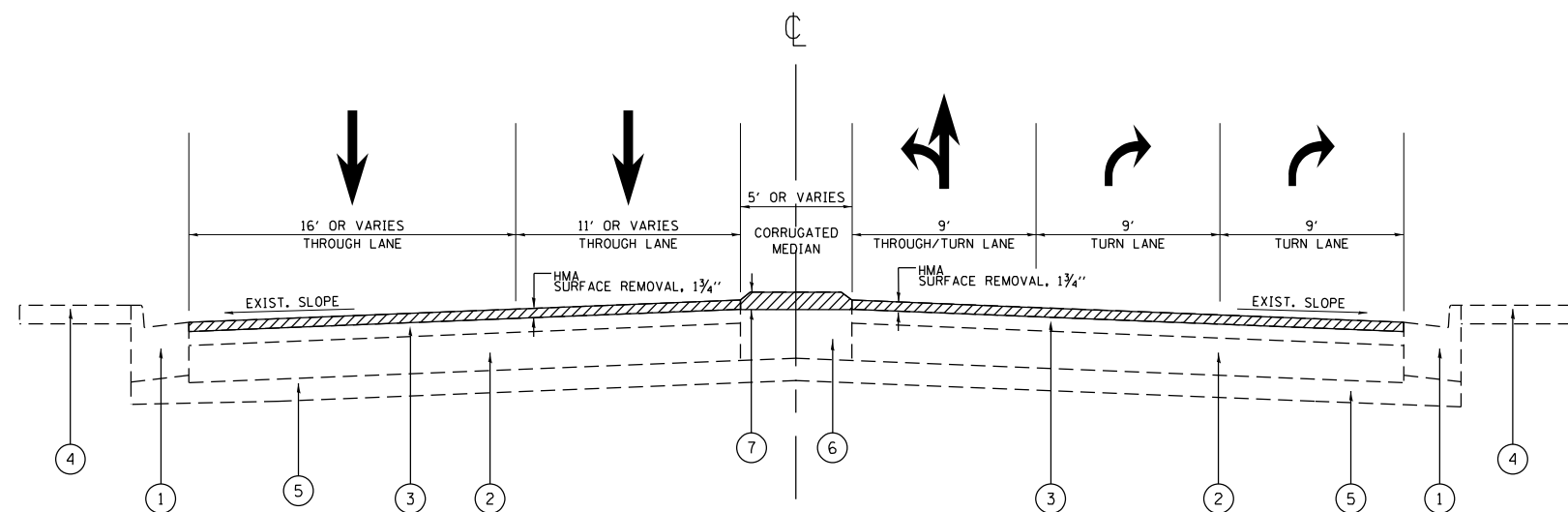
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED TYPICAL SECTIONS
US 14 (PETERSON AVE.) - US 41 TO RIDGE AVE.

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2020-102-R5	COOK	49	8
CONTRACT NO. 62L80				
ILLINOIS FED. AID PROJECT				



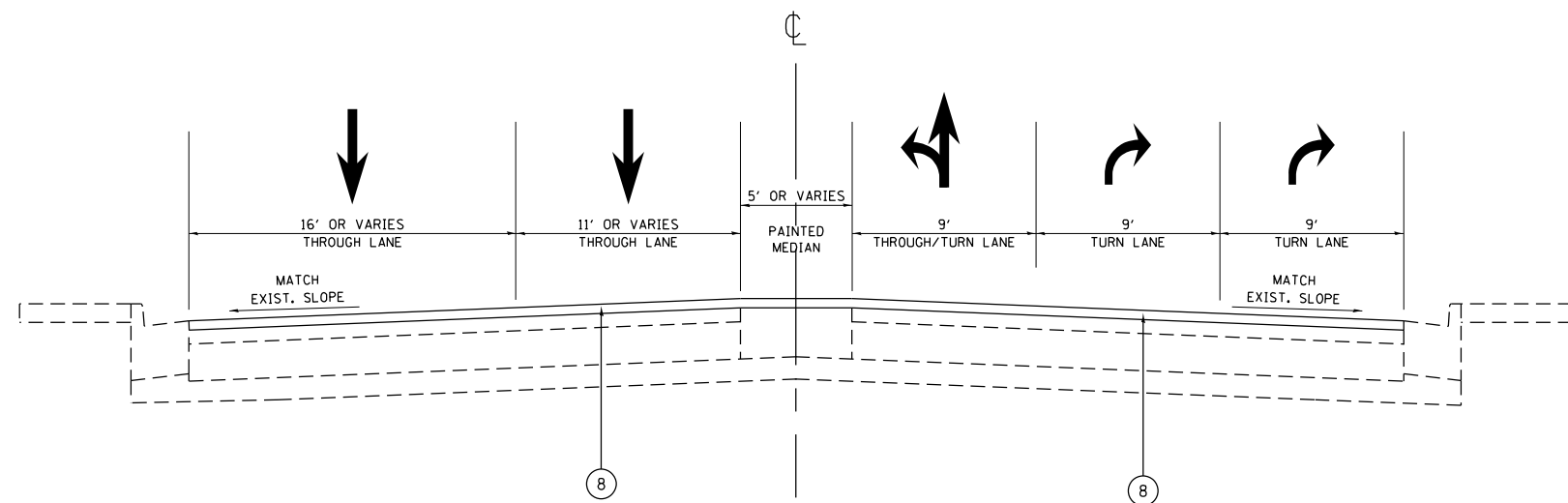
**US 14 (PETERSON AVE.)
EXISTING TYPICAL SECTION**
STA. 108+30 TO STA. 109+66

LEGEND:

- ① EXISTING CONCRETE CURB OR CONCRETE CURB & GUTTER
- ② EXISTING PCC PAVEMENT, 9"
- ③ EXISTING HMA SURFACE, ± 5"
- ④ EXISTING SIDEWALK
- ⑤ EXISTING AGGREGATE BASE COURSE
- ⑥ EXISTING MOUNTABLE CORRUGATED MEDIAN
- ⑦ PROPOSED MEDIAN REMOVAL PARTIAL DEPTH
- ⑧ PROPOSED POLYMERIZED HMA SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 1 3/4"

NOTES:

1. THE CONTRACTOR SHALL MILL FIRST BEFORE PATCHING.
2. THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE MILLED SURFACE.



**US 14 (PETERSON AVE.)
PROPOSED TYPICAL SECTION**
STA. 108+30 TO STA. 109+66

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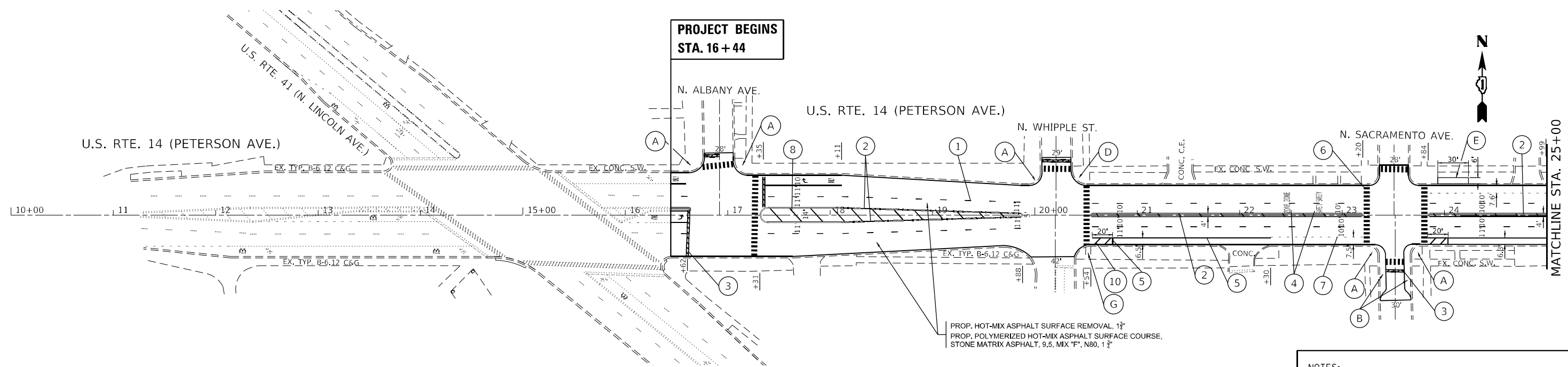
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED TYPICAL SECTIONS
US 14 (PETERSON AVE.) - US 41 TO RIDGE AVE.**

SCALE: SHEET OF SHEETS STA. TO STA.

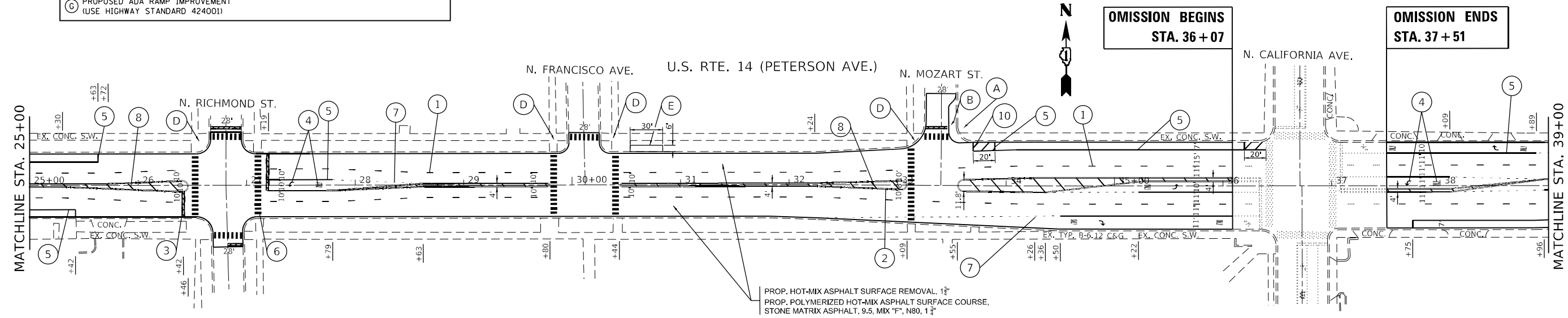
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2020-102-R5	COOK	49	9
CONTRACT NO. 62L80				
ILLINOIS FED. AID PROJECT				



PROPOSED ADA RAMP/SIDEWALK LEGEND	
(A)	PROPOSED ADA RAMP IMPROVEMENT (SEE ADA RAMP DETAILS)
(B)	PROPOSED ADA RAMP IMPROVEMENT (PROPOSED ADA BUMPOUT, SEE ADA RAMP DETAILS)
(C)	PROPOSED ADA RAMP IMPROVEMENT (USE PD-03A)
(D)	PROPOSED ADA RAMP IMPROVEMENT (REPLACE DETECTABLE WARNING WITH FULL WIDTH DETECTABLE WARNINGS (SPECIAL))
(E)	PROPOSED PARKWAY PAD (PAID FOR AS PCC SIDEWALK 5 INCH)
(F)	PROPOSED ADA RAMP IMPROVEMENT (USE HIGHWAY STANDARD 424011)
(G)	PROPOSED ADA RAMP IMPROVEMENT (USE HIGHWAY STANDARD 424001)

PAVEMENT MARKING LEGEND	
(1)	THERMOPLASTIC PVMT. MARKING 4", SKIP-DASH, 6' LINE - 18' SPACE, WHITE (TYP.)
(2)	THERMOPLASTIC PVMT. MARKING 4", DOUBLE YELLOW LINES, 8" C-C (TYP.)
(3)	THERMOPLASTIC PVMT. MARKING 24", STOP BAR, WHITE (TYP.)
(4)	THERMOPLASTIC PVMT. MARKING, LETTERS & SYMBOLS, WHITE (TYP.)
(5)	THERMOPLASTIC PVMT. MARKING 6", WHITE LINE (TYP.)
(6)	THERMOPLASTIC PVMT. MARKING 24", CROSSWALK- LONGITUDINAL BARS (SCHOOL AND PEDESTRIAN, WHITE (TYP.), SEE DETAIL TC-24 FOR SPACING
(7)	THERMOPLASTIC PVMT. MARKING 6", 2' LINE - 6' SPACE, WHITE (TYP.)
(8)	THERMOPLASTIC PVMT. MARKING 12", PAINTED MEDIAN DIAGONALS, YELLOW (TYP.), SEE DETAIL TC-24 FOR SPACING
(9)	THERMOPLASTIC PVMT. MARKING 4", YELLOW LINE (TYP.)
(10)	THERMOPLASTIC PVMT. MARKING 6", WHITE DIAGONALS AT 45 DEGREES, 10" C-C (TYP.)
(11)	MODIFIED URETHANE PVMT. MARKING, LETTERS AND SYMBOLS, WHITE (TYP.)
(12)	MODIFIED URETHANE PVMT. MARKING 4", SKIP-DASH, 6' LINE - 18' SPACE, WHITE (TYP.)
(13)	MODIFIED URETHANE PVMT. MARKING 24", CROSSWALK- LONGITUDINAL BARS (SCHOOL AND PEDESTRIAN, WHITE (TYP.), SEE DETAIL TC-24 FOR SPACING

- NOTES:**
- LIMIT OF RESURFACING ON THE SIDE- STREETS THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.
 - ALL FINAL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH TC-24 "CITY OF CHICAGO TYPICAL PAVEMENT MARKINGS" DISTRICT DETAIL.
 - ALL THE CROSSWALK LINES THROUGHOUT THE JOB LIMIT SHALL BE DESIGNED AS LONGITUDINAL BARS (SCHOOL AND PEDESTRIAN) IN ACCORDANCE WITH TC-24 "CITY OF CHICAGO TYPICAL PAVEMENT MARKINGS" DISTRICT DETAIL.



PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
 PROP. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE,
 STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 1 1/2"

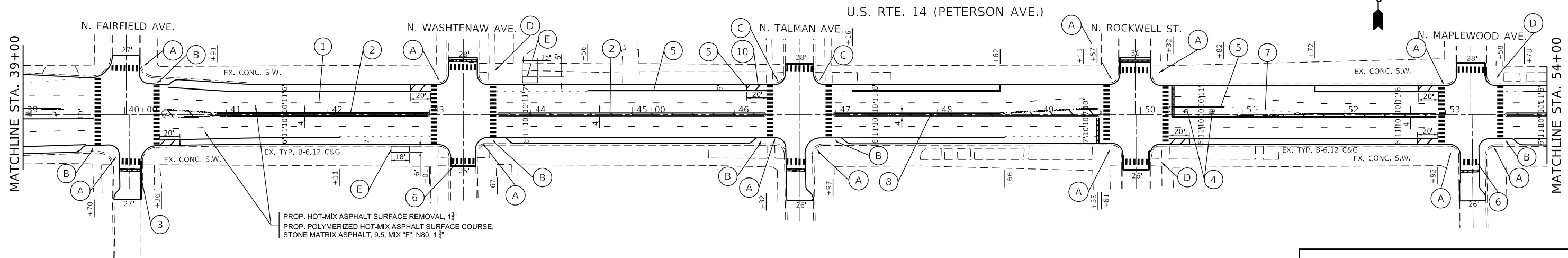
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	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ROADWAY AND PAVEMENT MARKING PLAN US 14 (PETERSON AVE.) - US 41 TO RIDGE AVE.			
SCALE: 1"=50'	SHEET	OF SHEETS	STA. 16+44 TO STA. 39+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2020-102-R5	COOK	49	10
CONTRACT NO. 62L80				
ILLINOIS FED. AID PROJECT				



PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
 PROP. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE,
 STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 1 1/2"

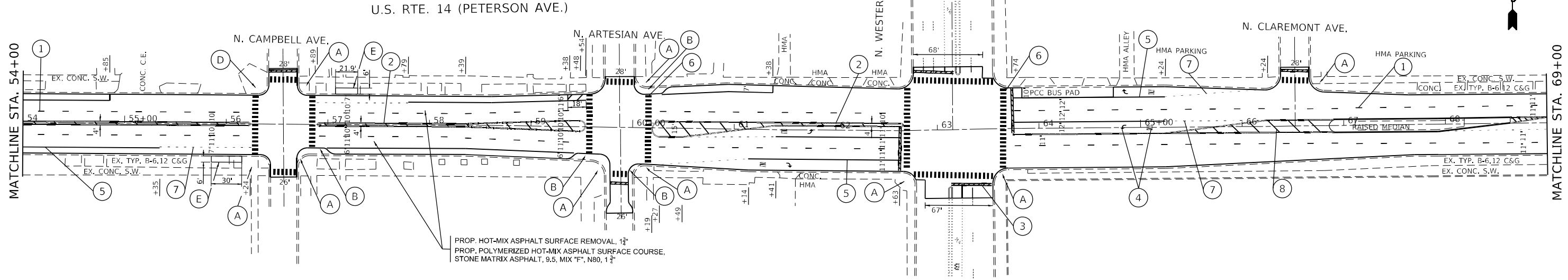
PROPOSED ADA RAMP/SIDEWALK LEGEND

- (A) PROPOSED ADA RAMP IMPROVEMENT (SEE ADA RAMP DETAILS)
- (B) PROPOSED ADA RAMP IMPROVEMENT (PROPOSED ADA BUMPOUT, SEE ADA RAMP DETAILS)
- (C) PROPOSED ADA RAMP IMPROVEMENT (USE PD-03A)
- (D) PROPOSED ADA RAMP IMPROVEMENT (REPLACE DETECTABLE WARNING WITH FULL WIDTH DETECTABLE WARNINGS (SPECIAL))
- (E) PROPOSED PARKWAY PAD (PAID FOR AS PCC SIDEWALK 5 INCH)
- (F) PROPOSED ADA RAMP IMPROVEMENT (USE HIGHWAY STANDARD 424011)
- (G) PROPOSED ADA RAMP IMPROVEMENT (USE HIGHWAY STANDARD 424001)

PAVEMENT MARKING LEGEND

- (1) THERMOPLASTIC PVMT. MARKING 4", SKIP-DASH, 6' LINE - 18" SPACE, WHITE (TYP.)
- (2) THERMOPLASTIC PVMT. MARKING 4", DOUBLE YELLOW LINES, 8" C-C (TYP.)
- (3) THERMOPLASTIC PVMT. MARKING 24", STOP BAR, WHITE (TYP.)
- (4) THERMOPLASTIC PVMT. MARKING, LETTERS & SYMBOLS, WHITE (TYP.)
- (5) THERMOPLASTIC PVMT. MARKING 6", WHITE LINE (TYP.)
- (6) THERMOPLASTIC PVMT. MARKING 24", CROSSWALK- LONGITUDINAL BARS (SCHOOL AND PEDESTRIAN, WHITE (TYP.)), SEE DETAIL TC-24 FOR SPACING
- (7) THERMOPLASTIC PVMT. MARKING 6", 2' LINE - 6' SPACE, WHITE (TYP.)
- (8) THERMOPLASTIC PVMT. MARKING 12", PAINTED MEDIAN DIAGONALS, YELLOW (TYP.), SEE DETAIL TC-24 FOR SPACING
- (9) THERMOPLASTIC PVMT. MARKING 4", YELLOW LINE (TYP.)
- (10) THERMOPLASTIC PVMT. MARKING 6", WHITE DIAGONALS AT 45 DEGREES, 10" C-C (TYP.)
- (11) MODIFIED URETHANE PVMT. MARKING, LETTERS AND SYMBOLS, WHITE (TYP.)
- (12) MODIFIED URETHANE PVMT. MARKING 4", SKIP-DASH, 6' LINE - 18" SPACE, WHITE (TYP.)
- (13) MODIFIED URETHANE PVMT. MARKING 24", CROSSWALK- LONGITUDINAL BARS (SCHOOL AND PEDESTRIAN, WHITE (TYP.)), SEE DETAIL TC-24 FOR SPACING

- NOTES:**
- 1) LIMIT OF RESURFACING ON THE SIDE- STREETS THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.
 - 2) ALL FINAL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH TC-24 "CITY OF CHICAGO TYPICAL PAVEMENT MARKINGS" DISTRICT DETAIL.
 - 3) ALL THE CROSSWALK LINES THROUGHOUT THE JOB LIMIT SHALL BE DESIGNED AS LONGITUDINAL BARS (SCHOOL AND PEDESTRIAN) IN ACCORDANCE WITH TC-24 "CITY OF CHICAGO TYPICAL PAVEMENT MARKINGS" DISTRICT DETAIL.



PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
 PROP. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE,
 STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 1 1/2"

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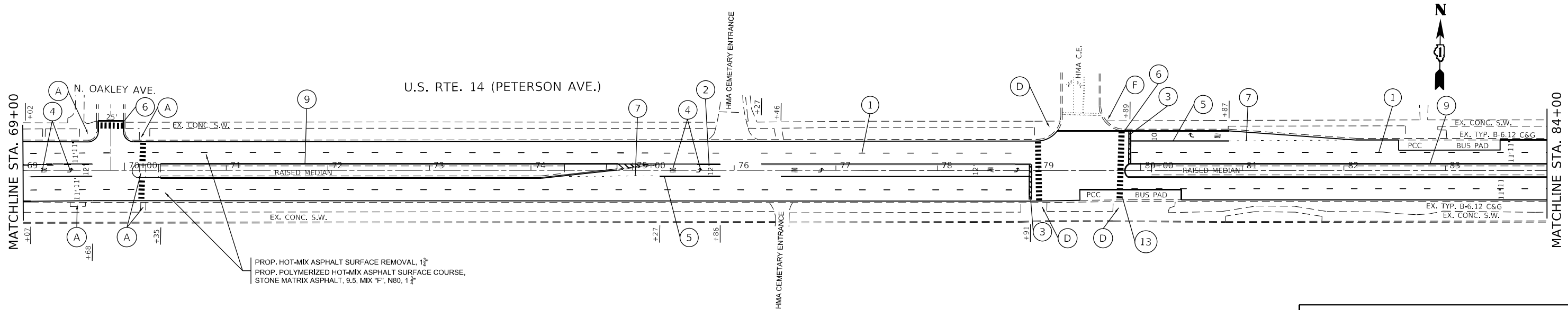
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	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY AND PAVEMENT MARKING PLAN
 US 14 (PETERSON AVE.) - US 41 TO RIDGE AVE.**

SCALE: 1"=50'
 SHEET OF SHEETS STA. 39+00 TO STA. 69+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2020-102-R5	COOK	49	11
CONTRACT NO. 62L80				
ILLINOIS FED. AID PROJECT				



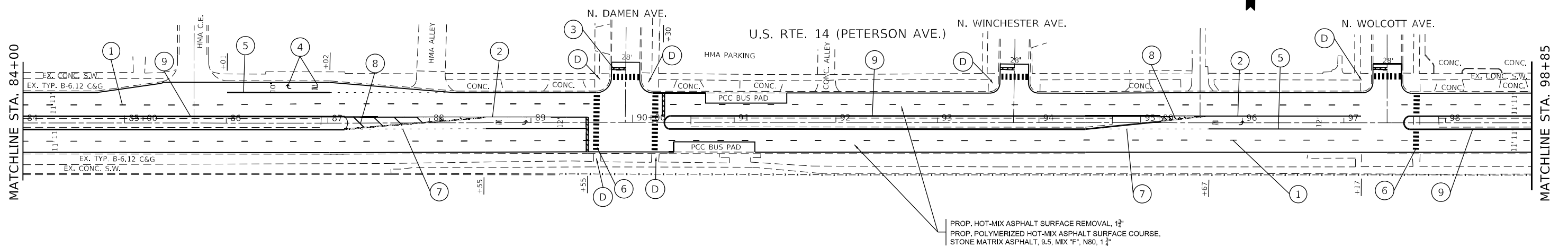
PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
 PROP. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE,
 STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 1 1/2"

PROPOSED ADA RAMPS/SIDEWALK LEGEND	
(A)	PROPOSED ADA RAMP IMPROVEMENT (SEE ADA RAMP DETAILS)
(B)	PROPOSED ADA RAMP IMPROVEMENT (PROPOSED ADA BUMPOUT, SEE ADA RAMP DETAILS)
(C)	PROPOSED ADA RAMP IMPROVEMENT (USE PD-03A)
(D)	PROPOSED ADA RAMP IMPROVEMENT (REPLACE DETECTABLE WARNING WITH FULL WIDTH DETECTABLE WARNINGS (SPECIAL))
(E)	PROPOSED PARKWAY PAD (PAID FOR AS PCC SIDEWALK 5 INCH)
(F)	PROPOSED ADA RAMP IMPROVEMENT (USE HIGHWAY STANDARD 424011)
(G)	PROPOSED ADA RAMP IMPROVEMENT (USE HIGHWAY STANDARD 424001)

PAVEMENT MARKING LEGEND	
(1)	THERMOPLASTIC PVMT. MARKING 4", SKIP-DASH, 6' LINE - 18' SPACE, WHITE (TYP.)
(2)	THERMOPLASTIC PVMT. MARKING 4", DOUBLE YELLOW LINES, 8" C-C (TYP.)
(3)	THERMOPLASTIC PVMT. MARKING 24", STOP BAR, WHITE (TYP.)
(4)	THERMOPLASTIC PVMT. MARKING, LETTERS & SYMBOLS, WHITE (TYP.)
(5)	THERMOPLASTIC PVMT. MARKING 6", WHITE LINE (TYP.)
(6)	THERMOPLASTIC PVMT. MARKING 24", CROSSWALK- LONGITUDINAL BARS (SCHOOL AND PEDESTRIAN), WHITE (TYP.), SEE DETAIL TC-24 FOR SPACING
(7)	THERMOPLASTIC PVMT. MARKING 6", 2' LINE - 6' SPACE, WHITE (TYP.)
(8)	THERMOPLASTIC PVMT. MARKING 12", PAINTED MEDIAN DIAGONALS, YELLOW (TYP.), SEE DETAIL TC-24 FOR SPACING
(9)	THERMOPLASTIC PVMT. MARKING 4", YELLOW LINE (TYP.)
(10)	THERMOPLASTIC PVMT. MARKING 6", WHITE DIAGONALS AT 45 DEGREES, 10" C-C (TYP.)
(11)	MODIFIED URETHANE PVMT. MARKING, LETTERS AND SYMBOLS, WHITE (TYP.)
(12)	MODIFIED URETHANE PVMT. MARKING 4", SKIP-DASH, 6' LINE - 18' SPACE, WHITE (TYP.)
(13)	MODIFIED URETHANE PVMT. MARKING 24", CROSSWALK- LONGITUDINAL BARS (SCHOOL AND PEDESTRIAN), WHITE (TYP.), SEE DETAIL TC-24 FOR SPACING

NOTES:

- LIMIT OF RESURFACING ON THE SIDE- STREETS THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.
- ALL FINAL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH TC-24 "CITY OF CHICAGO TYPICAL PAVEMENT MARKINGS" DISTRICT DETAIL.
- ALL THE CROSSWALK LINES THROUGHOUT THE JOB LIMIT SHALL BE DESIGNED AS LONGITUDINAL BARS (SCHOOL AND PEDESTRIAN) IN ACCORDANCE WITH TC-24 "CITY OF CHICAGO TYPICAL PAVEMENT MARKINGS" DISTRICT DETAIL.



PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
 PROP. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE,
 STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 1 1/2"

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

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ROADWAY AND PAVEMENT MARKING PLAN			
US 14 (PETERSON AVE.) - US 41 TO RIDGE AVE.			
SCALE: 1"=50'	SHEET	OF	SHEETS
	STA. 69+00	TO	STA. 98+85

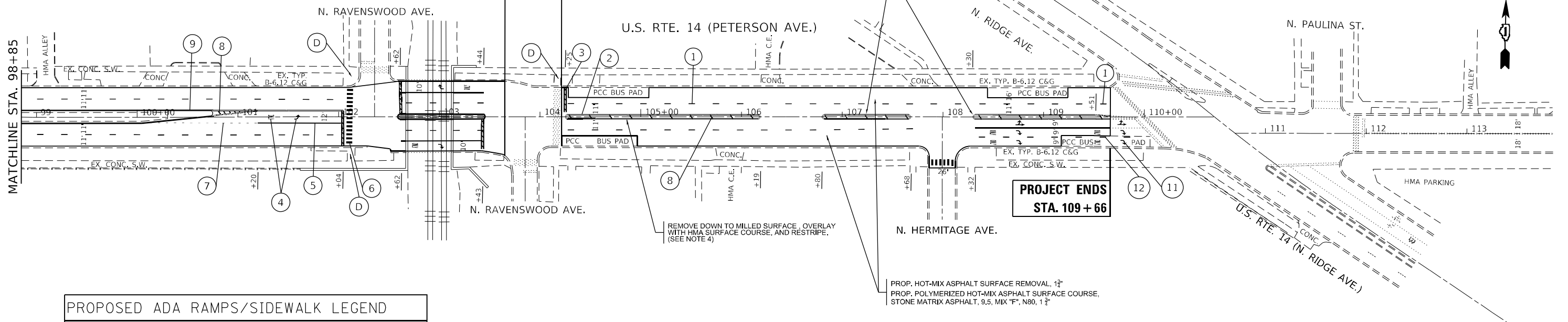
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2020-102-R5	COOK	49	12
CONTRACT NO. 62L80				
ILLINOIS FED. AID PROJECT				

MATCHLINE STA. 98+85

OMISSION BEGINS
STA. 103 + 65

OMISSION ENDS
STA. 104 + 21

PROJECT ENDS
STA. 109 + 66



PROPOSED ADA RAMPS/SIDEWALK LEGEND	
(A)	PROPOSED ADA RAMP IMPROVEMENT (SEE ADA RAMP DETAILS)
(B)	PROPOSED ADA RAMP IMPROVEMENT (PROPOSED ADA BUMPOUT, SEE ADA RAMP DETAILS)
(C)	PROPOSED ADA RAMP IMPROVEMENT (USE PD-03A)
(D)	PROPOSED ADA RAMP IMPROVEMENT (REPLACE DETECTABLE WARNING WITH FULL WIDTH DETECTABLE WARNINGS (SPECIAL))
(E)	PROPOSED PARKWAY PAD (PAID FOR AS PCC SIDEWALK 5 INCH)
(F)	PROPOSED ADA RAMP IMPROVEMENT (USE HIGHWAY STANDARD 424011)
(G)	PROPOSED ADA RAMP IMPROVEMENT (USE HIGHWAY STANDARD 424001)

PAVEMENT MARKING LEGEND	
(1)	THERMOPLASTIC PVMT. MARKING 4", SKIP-DASH, 6' LINE - 18' SPACE, WHITE (TYP.)
(2)	THERMOPLASTIC PVMT. MARKING 4", DOUBLE YELLOW LINES, 8" C-C (TYP.)
(3)	THERMOPLASTIC PVMT. MARKING 24", STOP BAR, WHITE (TYP.)
(4)	THERMOPLASTIC PVMT. MARKING, LETTERS & SYMBOLS, WHITE (TYP.)
(5)	THERMOPLASTIC PVMT. MARKING 6", WHITE LINE (TYP.)
(6)	THERMOPLASTIC PVMT. MARKING 24", CROSSWALK- LONGITUDINAL BARS (SCHOOL AND PEDESTRIAN), WHITE (TYP.), SEE DETAIL TC-24 FOR SPACING
(7)	THERMOPLASTIC PVMT. MARKING 6", 2' LINE - 6' SPACE, WHITE (TYP.)
(8)	THERMOPLASTIC PVMT. MARKING 12", PAINTED MEDIAN DIAGONALS, YELLOW (TYP.), SEE DETAIL TC-24 FOR SPACING
(9)	THERMOPLASTIC PVMT. MARKING 4", YELLOW LINE (TYP.)
(10)	THERMOPLASTIC PVMT. MARKING 6", WHITE DIAGONALS AT 45 DEGREES, 10" C-C (TYP.)
(11)	MODIFIED URETHANE PVMT. MARKING, LETTERS AND SYMBOLS, WHITE (TYP.)
(12)	MODIFIED URETHANE PVMT. MARKING 4", SKIP-DASH, 6' LINE - 18' SPACE, WHITE (TYP.)
(13)	MODIFIED URETHANE PVMT. MARKING 24", CROSSWALK- LONGITUDINAL BARS (SCHOOL AND PEDESTRIAN), WHITE (TYP.), SEE DETAIL TC-24 FOR SPACING

- NOTES:
- LIMIT OF RESURFACING ON THE SIDE- STREETS THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.
 - ALL FINAL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH TC-24 "CITY OF CHICAGO TYPICAL PAVEMENT MARKINGS" DISTRICT DETAIL.
 - ALL THE CROSSWALK LINES THROUGHOUT THE JOB LIMIT SHALL BE DESIGNED AS LONGITUDINAL BARS (SCHOOL AND PEDESTRIAN) IN ACCORDANCE WITH TC-24 "CITY OF CHICAGO TYPICAL PAVEMENT MARKINGS" DISTRICT DETAIL.
 - CORRUGATED MEDIAN REMOVAL PARTIAL DEPTH AT THE FOLLOWING APPROXIMATE STATIONS BETWEEN (STA 104+ 50 TO STA 106+18), (STA 106+80 TO STA 107+67), AND (STA 108+30 TO STA 109+52).

A- REMOVE DOWN TO MILLED SURFACE, OVERLAY WITH PROP. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 1 3/4".

B- RESTRIPE FOR THE PROPOSED PAINTED MEDIAN WITH THERMOPLASTIC PVMT. MARKING, 4", DOUBLE YELLOW WITH THERMOPLASTIC PVMT MARKING 12", DIAGONALS, YELLOW @ 45 DEGREES. (SEE TC-24 FOR TYPICAL PAINTED MEDIAN MARKING/SPACING, AND REMARKS)

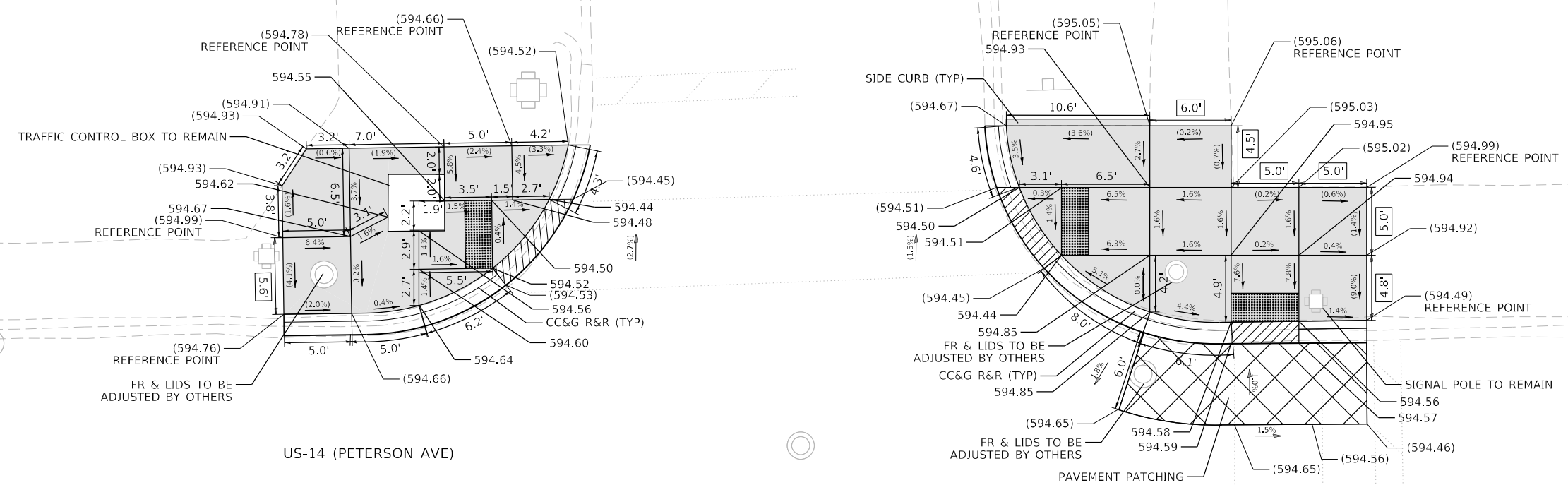
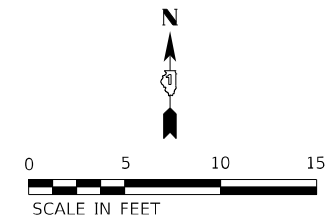
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USER NAME = tariqfm	DESIGNED -	REVISED -
DRAWN -	REVISOR -	
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/18/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY AND PAVEMENT MARKING PLAN	
US 14 (PETERSON AVE.) - US 41 TO RIDGE AVE.	
SCALE: 1"=50'	SHEET OF SHEETS
STA. 98+85	TO STA. 109+66

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2020-102-R5	COOK	49	13
CONTRACT NO. 62L80				
ILLINOIS FED. AID PROJECT				



REFERENCE BENCHMARK 5133 (EL: 596.22)
 BENCHMARK: CUT SW CORNER OF T.C. BOX
 LOCATION: NW CORNER PETERSON AVE AND ALBANY AVE

LEGEND	
xx.xx	EXISTING LENGTH
()	EXISTING ELEVATION / SLOPE
[Solid Gray Box]	PROPOSED SIDEWALK
[Grid Pattern Box]	DETECTABLE WARNINGS
[Diagonal Lines Box]	DEPRESSED CURB AND GUTTER
[Cross-hatch Box]	SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD

MODEL Path\... INFRASTRUCTURE ENGINEERING INCORPORATED
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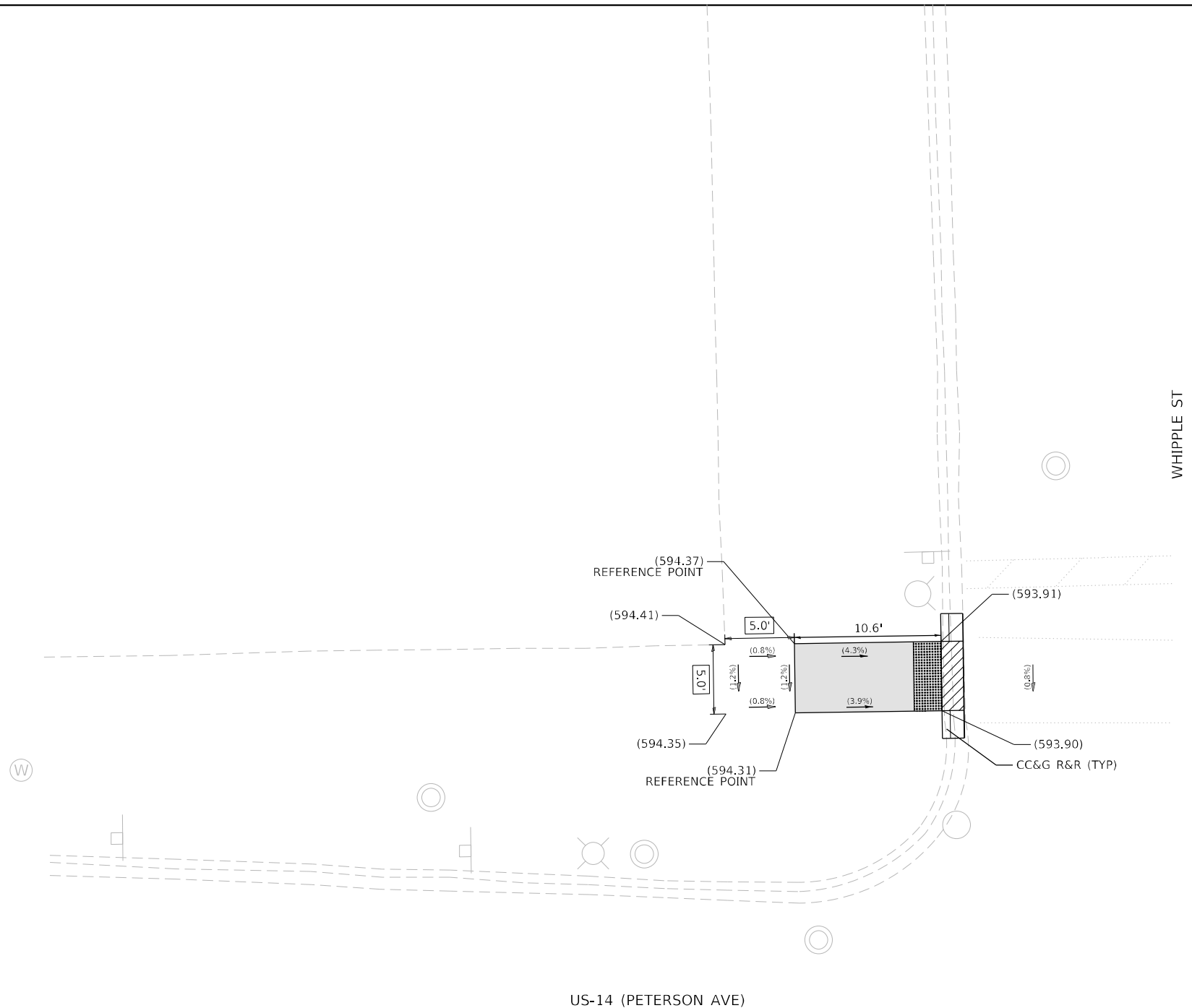
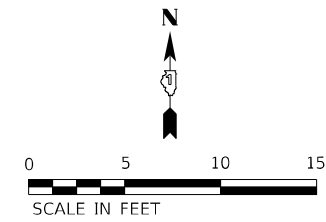
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ADA RAMP DETAILS
US 14 (PETERSON AVE) AT ALBANY AVE**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2020-102-R5	COOK	49	14
CONTRACT NO. 62L80				
ILLINOIS		FED. AID PROJECT		

USER NAME = KRunle	DESIGNED -	REVISED -
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SCALE: STA. TO STA.



US-14 (PETERSON AVE)

WHIPPLE ST

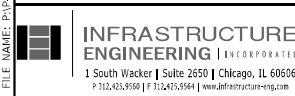
CC&G R&R (TYP)

REFERENCE BENCHMARK 5291 (EL: 594.58)
 BENCHMARK: CUT ON CONC. BASE OF L.P. N. SIDE OF CONC. BASE
 LOCATION: NW CORNER PETERSON AVE AND WHIPPLE ST

LEGEND

- xx.xx' EXISTING LENGTH
- () EXISTING ELEVATION / SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- DEPRESSED CURB AND GUTTER
- SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD

MODEL: D:\p\h\h\...
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PLOT DATE = 1/8/2021	CHECKED -	REVISED -
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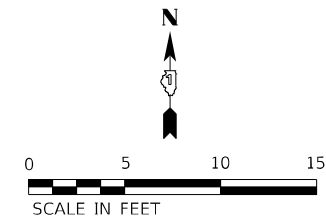
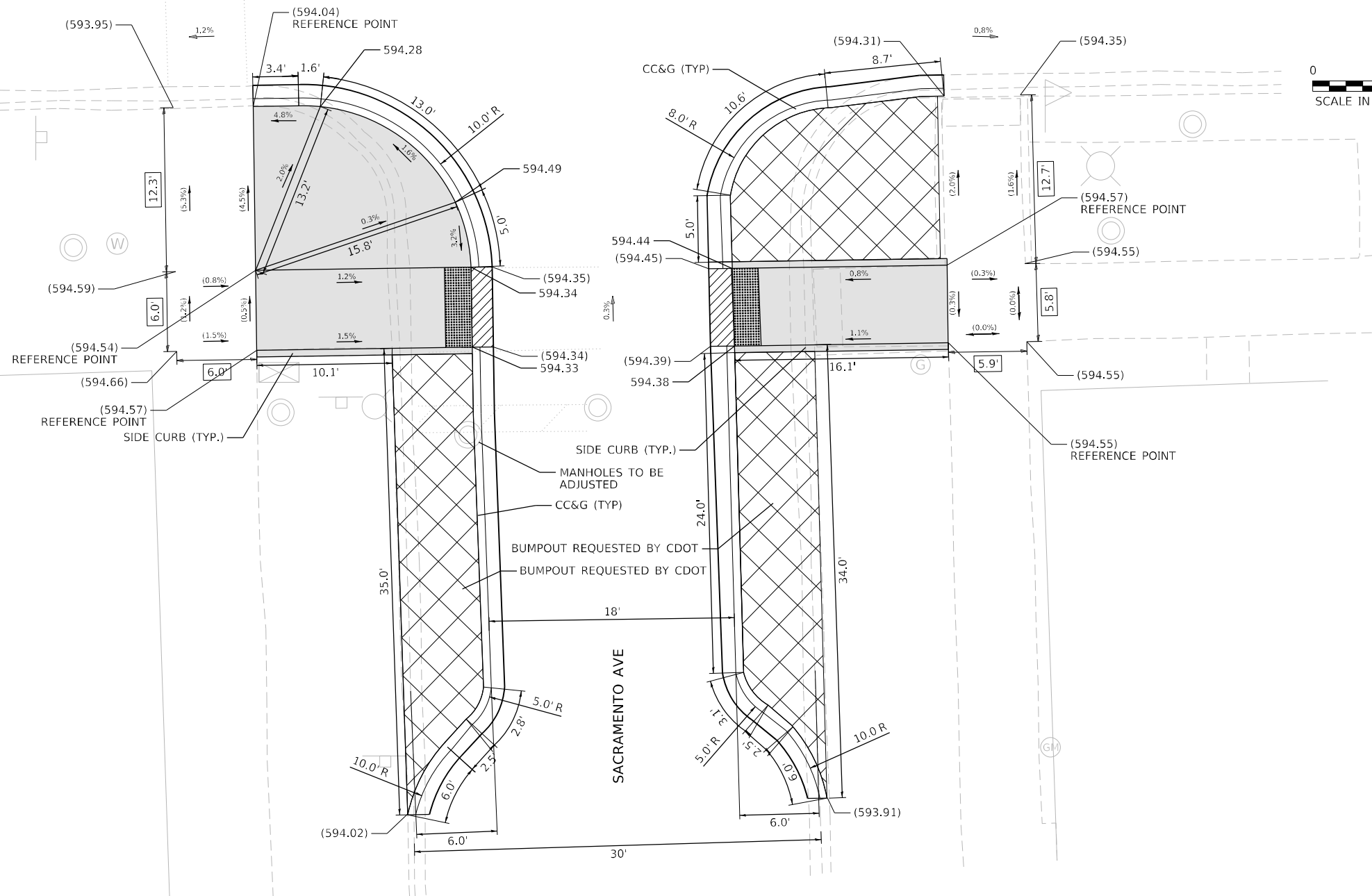
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA RAMP DETAILS
 US 14 (PETERSON AVE) AT WHIPPLE ST**

SCALE: _____ STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2020-102-RS	COOK	49	15
CONTRACT NO. 62L80				
ILLINOIS FED. AID PROJECT				

US-14 (PETERSON AVE)



COMM
BLDG

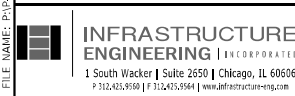
SACRAMENTO AVE

REFERENCE BENCHMARK 5454 (EL: 596.37)
 BENCHMARK: NOTCH CUT SE BUILDING ON NW CORNER
 LOCATION: NW CORNER PETERSON AVE AND SACRAMENTO AVE

LEGEND

xx.xx	EXISTING LENGTH
()	EXISTING ELEVATION / SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	DEPRESSED CURB AND GUTTER
	SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD

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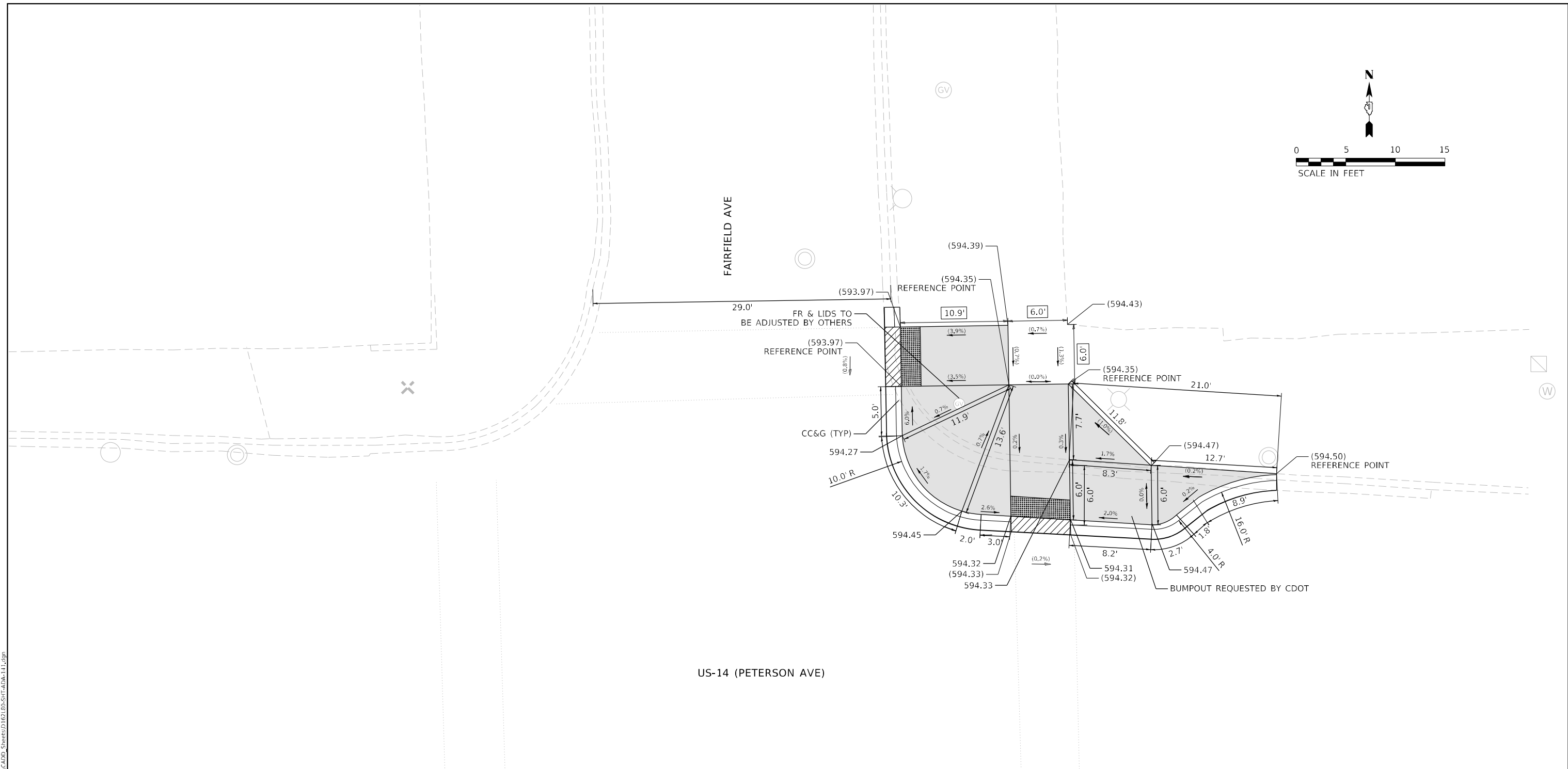
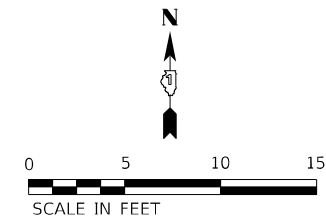
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DRAWN - KEK	REVISIONS -	
CHECKED - ACL	REVISIONS -	
DATE - 04/08/2021	REVISIONS -	

PLOT SCALE = 10,0009 * / in.
PLOT DATE = 4/8/2021

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ADA RAMP DETAILS
US 14 (PETERSON AVE) AT SACRAMENTO AVE**

F.A.P. RTE. 341	SECTION 2020-102-R5	COUNTY COOK	TOTAL SHEETS 49	SHEET NO. 16
CONTRACT NO. 62L80				
ILLINOIS FED. AID PROJECT				



REFERENCE BENCHMARK 6913 (EL: 595.27)
 BENCHMARK: CHISLE X ON BOH OF L.P.
 LOCATION: CORNER OF PETERSON AVE AND FAIRFIELD AVE

LEGEND

xx.xx'	EXISTING LENGTH
()	EXISTING ELEVATION / SLOPE
[Solid Gray]	PROPOSED SIDEWALK
[Grid Pattern]	DETECTABLE WARNINGS
[Diagonal Lines]	DEPRESSED CURB AND GUTTER
[Cross-hatch]	SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD

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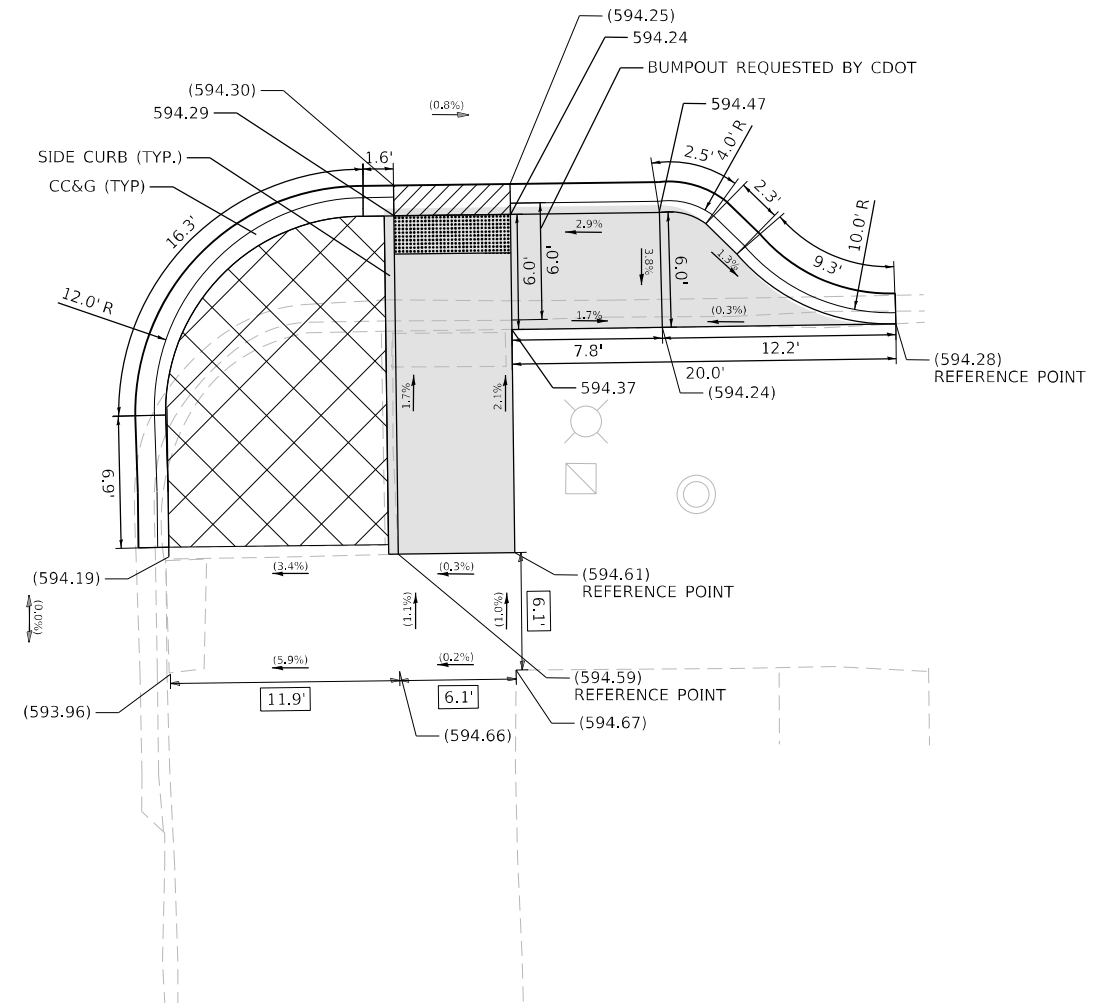
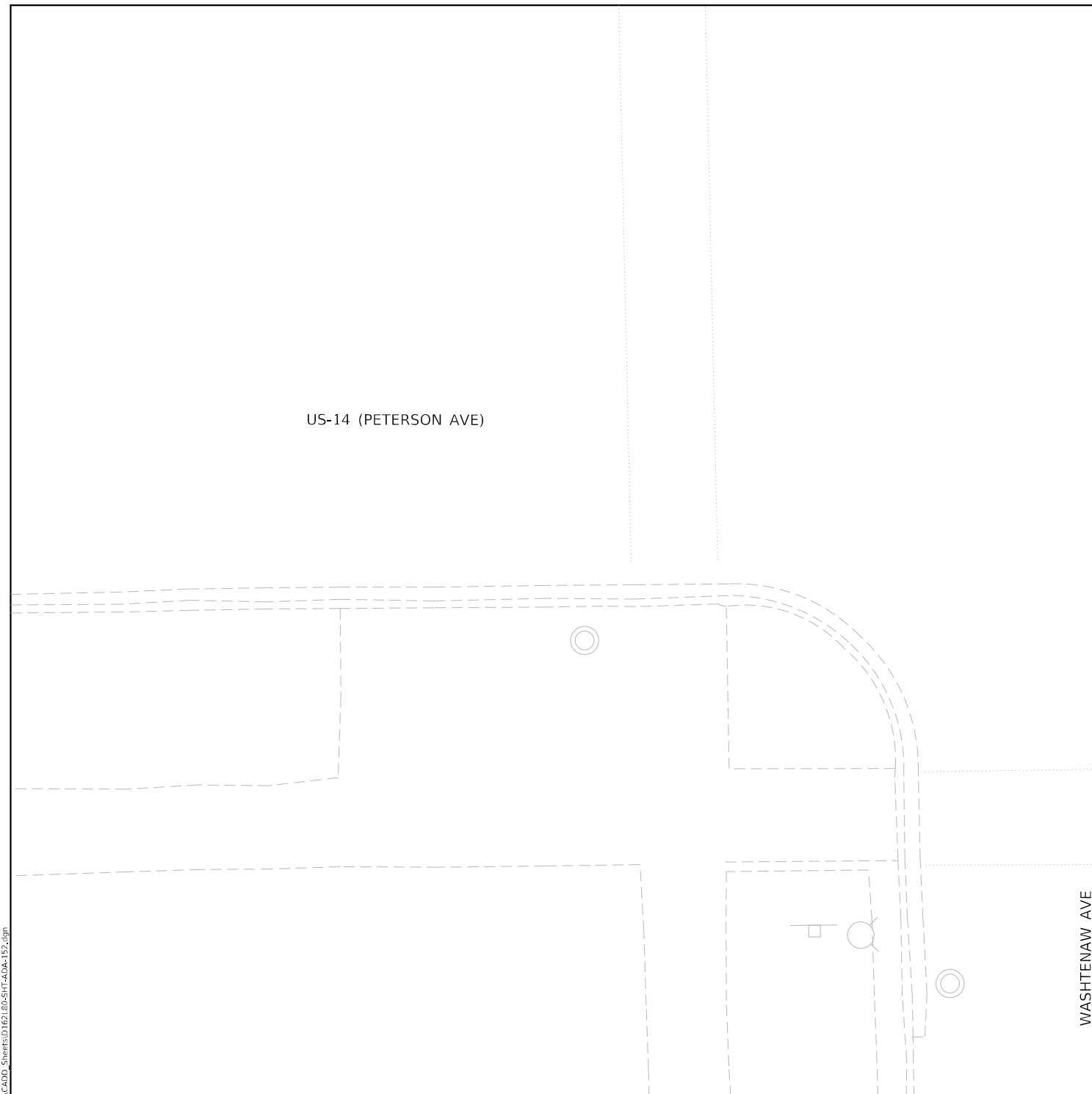
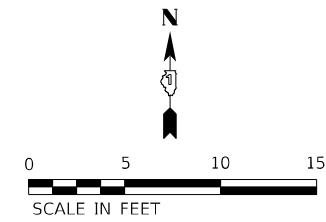
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PLOT DATE = 4/8/2021	CHECKED - ACL	REVISED -
	DATE - 04/08/2021	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA RAMP DETAILS
 US 14 (PETERSON AVE) AT FAIRFIELD AVE**

SCALE: TO STA.

F.A.P. RTE. 341	SECTION 2020-102-R5	COUNTY COOK	TOTAL SHEETS 49	SHEET NO. 18
CONTRACT NO. 62L80				
ILLINOIS FED. AID PROJECT				

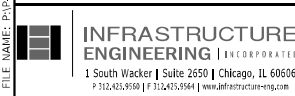


REFERENCE BENCHMARK 7079 (EL: 595.43)
 BENCHMARK: CHISLE X ON NW BOLT OF F.H.
 LOCATION: NE CORNER PETERSON AVE AND WASHTENAW AVE

LEGEND

xx.xx'	EXISTING LENGTH
()	EXISTING ELEVATION / SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	DEPRESSED CURB AND GUTTER
	SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD

MODEL: D:\p\h\h\... FILE NAME: P:\2020\4094-00_IDOT_Various Phase 2_IPTB_106 Item 16\Work Order 05\DC\IC\ADD_Sheets\1621.80-SHT-ADA-152.dwg



USER NAME = KKumle	DESIGNED -	REVISED -
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PLOT DATE = 1/8/2021	CHECKED - ACL	REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

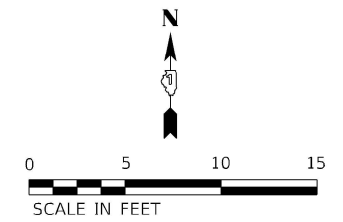
**ADA RAMP DETAILS
 US 14 (PETERSON AVE) AT WASHTENAW AVE**

SCALE: _____ STA. _____ TO STA. _____

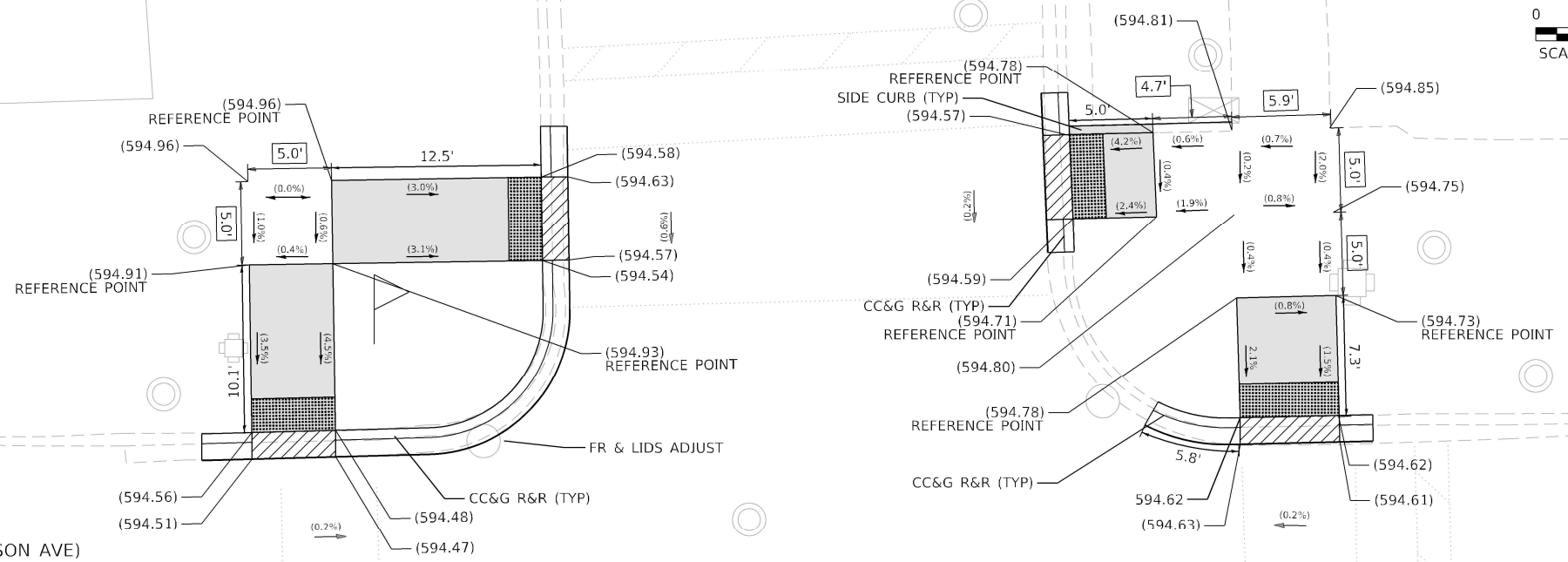
F.A.P. RTE. 341	SECTION 2020-102-RS	COUNTY COOK	TOTAL SHEETS 49	SHEET NO. 21
CONTRACT NO. 62L80				
ILLINOIS FED. AID PROJECT				

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ROCKWELL ST



US-14 (PETERSON AVE)



REFERENCE BENCHMARK 7660 (EL: 595.54)
BENCHMARK: SET "X" ON NW BOLT OF L.P. BASE
LOCATION: SE CORNER PETERSON AVE AND ROCKWELL ST

LEGEND

- xx.xx' EXISTING LENGTH
- () EXISTING ELEVATION / SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- DEPRESSED CURB AND GUTTER
- SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD

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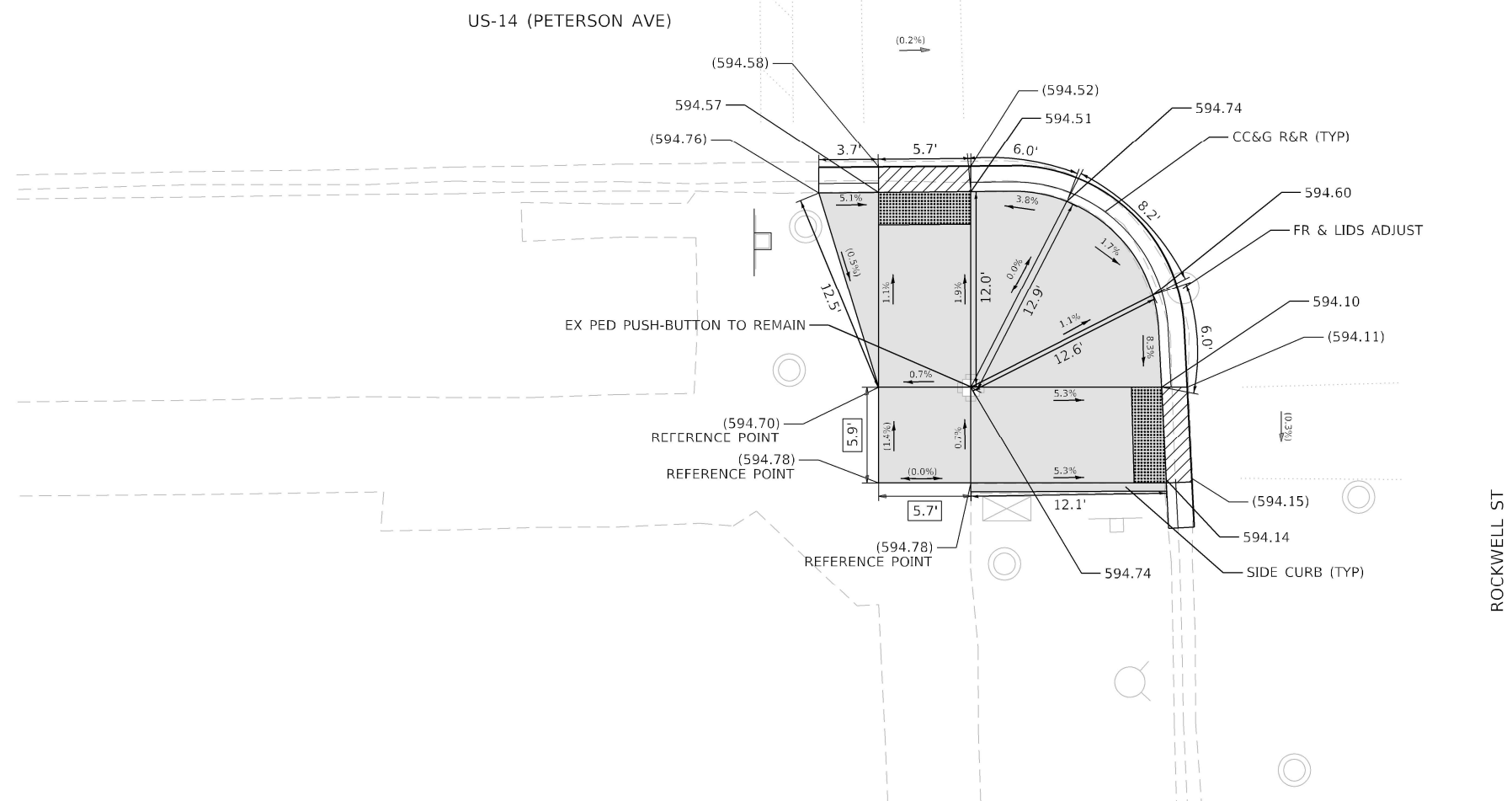
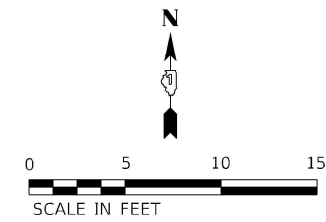
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DATE	- 04/08/2021
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REVIS	-

DESIGNED	-
DRAWN	-
CHECKED	-
DATE	-
REVIS	-
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REVIS	-
REVIS	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ADA RAMP DETAILS	
US 14 (PETERSON AVE) AT ROCKWELL ST	
SCALE:	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2020-102-R5	COOK	49	23
CONTRACT NO. 62L80				
ILLINOIS FED. AID PROJECT				



REFERENCE BENCHMARK 7660 (EL: 595.54)
 BENCHMARK: SET "X" ON NW BOLT OF L.P. BASE
 LOCATION: SE CORNER PETERSON AVE AND ROCKWELL ST

LEGEND

xx.xx'	EXISTING LENGTH
()	EXISTING ELEVATION / SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	DEPRESSED CURB AND GUTTER
	SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD

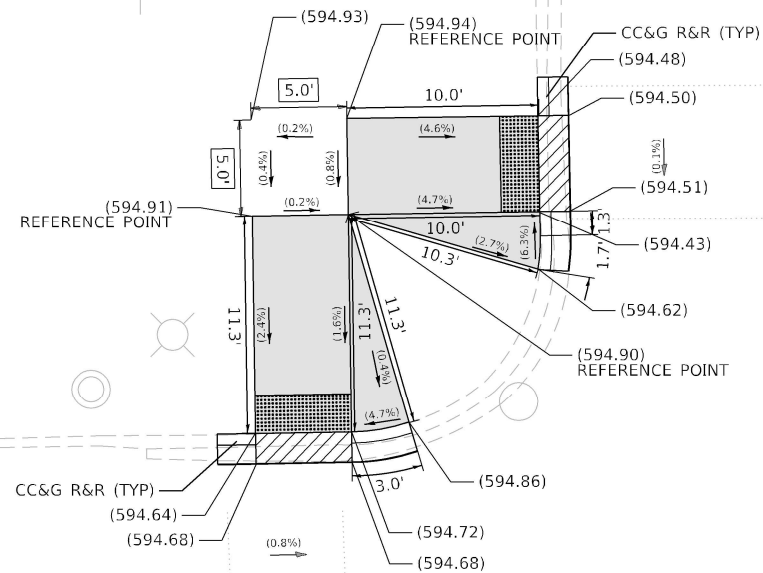
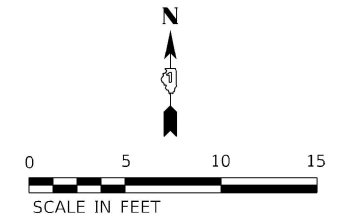
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	USER NAME = KKumle	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ADA RAMP DETAILS US 14 (PETERSON AVE) AT ROCKWELL ST	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 10.0009' / in.	CHECKED - ACL	REVISED -			341	2020-102-R5	COOK	49	24
PLOT DATE = 4/8/2021	DATE - 04/08/2021	REVISED -	REVISED -	SCALE:	STA.	TO STA.	ILLINOIS FED. AID PROJECT			

COMM
BLDG

MAPLEWOOD AVE

US-14 (PETERSON AVE)



REFERENCE BENCHMARK 8222 (EL: 597.07)
BENCHMARK: CUT NOTCH ON SW L.P.
LOCATION: NE CORNER PETERSON AVE AND MAPLEWOOD AVE

LEGEND

- xx.xx EXISTING LENGTH
- () EXISTING ELEVATION / SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- DEPRESSED CURB AND GUTTER
- SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD

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INFRASTRUCTURE ENGINEERING INCORPORATED
1 South Wacker | Suite 2650 | Chicago, IL 60606
P: 312.425.8589 | F: 312.425.9594 | www.infrastructure-eg.com

USER NAME = KKumle	DESIGNED -	REVISED -
DRAWN - KEK	REVISOR -	
CHECKED - ACL	REVISOR -	
DATE - 04/08/2021	REVISOR -	

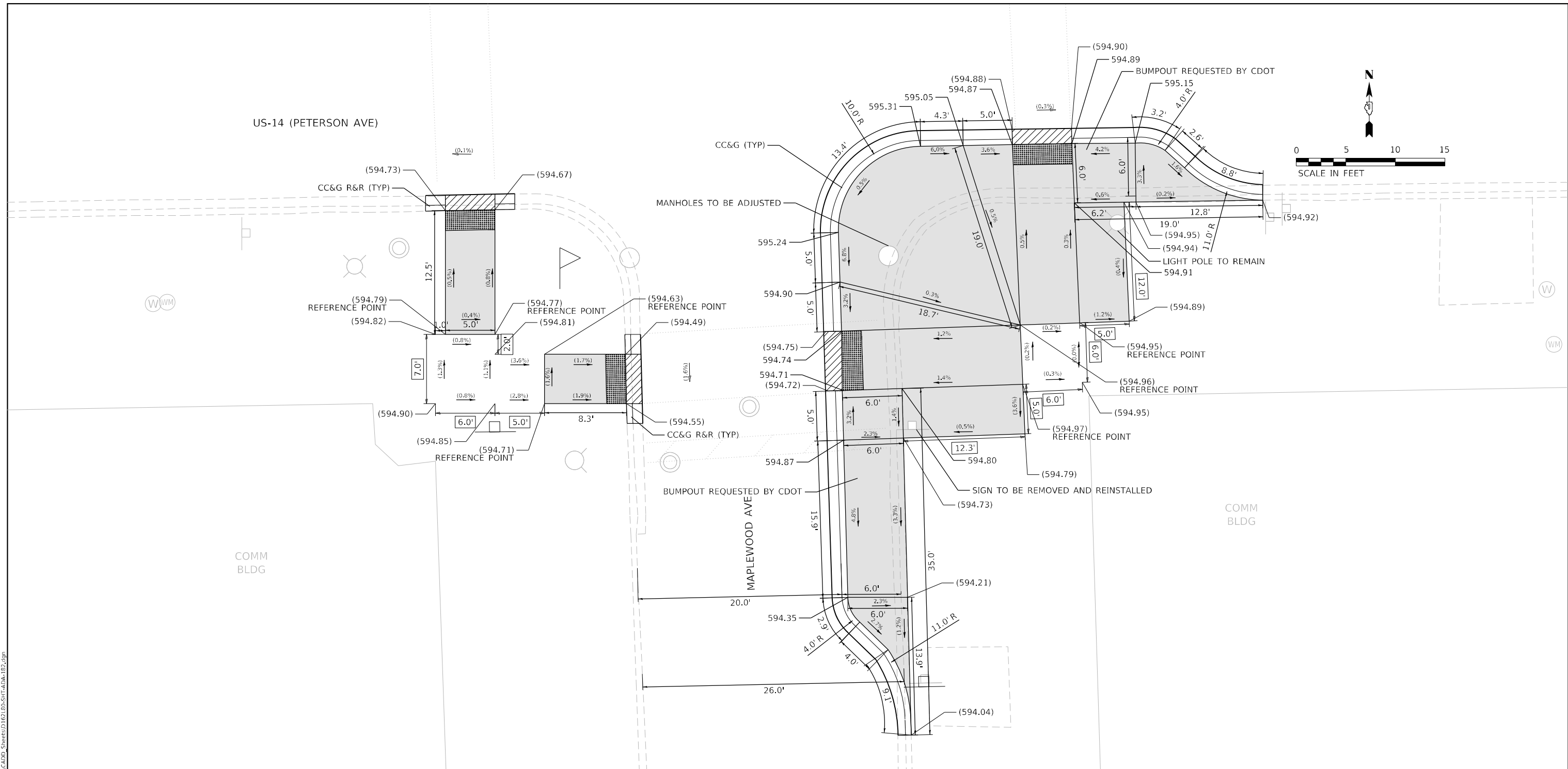
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PLOT DATE = 4/8/2021	DATE - 04/08/2021	REVISOR -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ADA RAMP DETAILS
US 14 (PETERSON AVE) AT MAPLEWOOD AVE**

F.A.P. RTE. 341	SECTION 2020-102-R5	COUNTY COOK	TOTAL SHEETS 49	SHEET NO. 25
CONTRACT NO. 62L80				
SCALE:		STA.	TO STA.	
ILLINOIS FED. AID PROJECT				

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REFERENCE BENCHMARK 8222 (EL: 597.07)
 BENCHMARK: CUT NOTCH ON SW L.P.
 LOCATION: NE CORNER PETERSON AVE AND MAPLEWOOD AVE

LEGEND

- xx.xx' EXISTING LENGTH
- () EXISTING ELEVATION / SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- DEPRESSED CURB AND GUTTER
- SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD

INFRASTRUCTURE ENGINEERING INCORPORATED
 1 South Wacker | Suite 2650 | Chicago, IL 60606
 P 312.425.9599 | F 312.425.9594 | www.infrastructure-eng.com

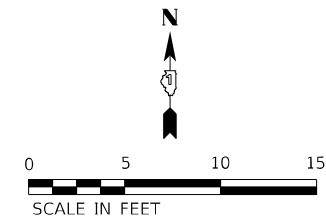
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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

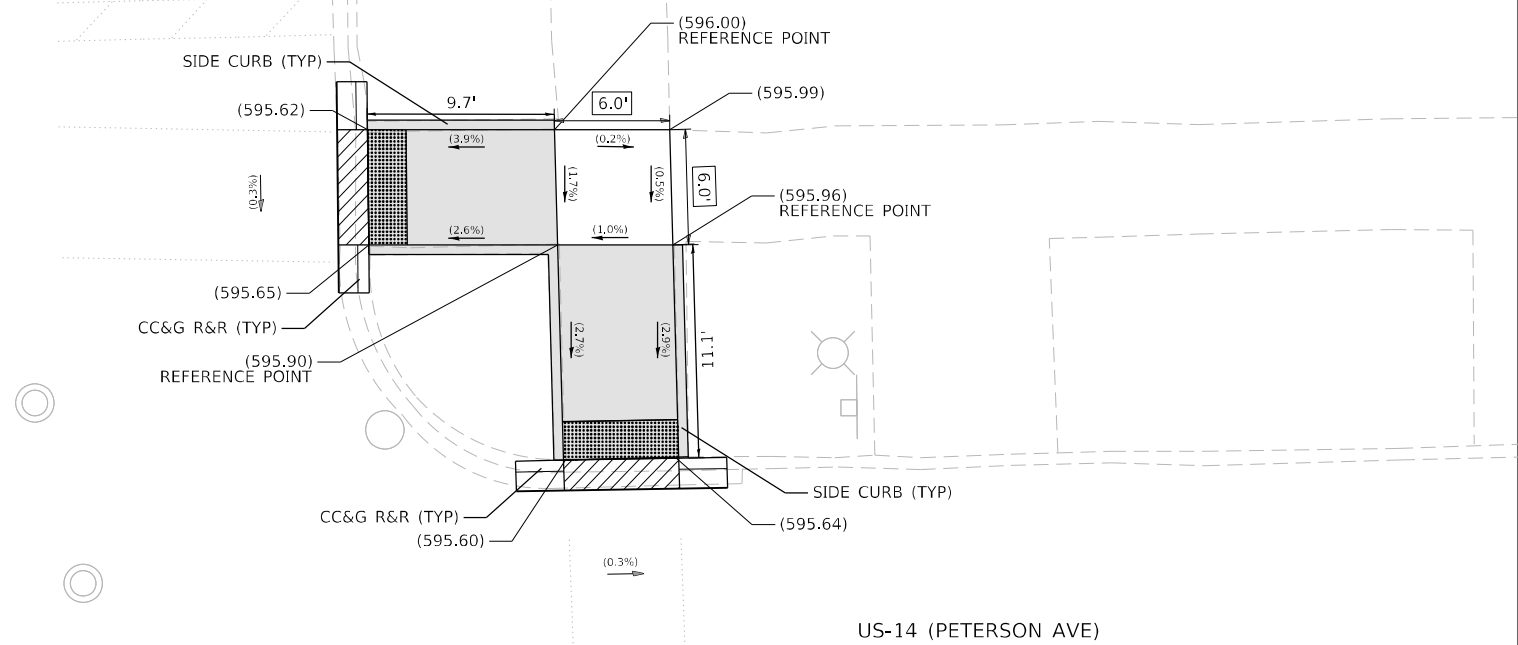
ADA RAMP DETAILS
US 14 (PETERSON AVE) AT MAPLEWOOD AVE

F.A.P. RTE. 341	SECTION 2020-102-R5	COUNTY COOK	TOTAL SHEETS 49	SHEET NO. 26
CONTRACT NO. 62L80				
SCALE:	STA.	TO STA.		

ILLINOIS	FED. AID PROJECT
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CAMPBELL AVE



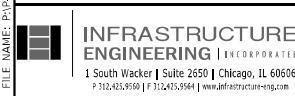
US-14 (PETERSON AVE)

REFERENCE BENCHMARK 8954 (EL: 597.89)
 BENCHMARK: BOX CUT ON CONC BASE OF SIGN
 LOCATION: NW CORNER PETERSON AVE AND CAMPBELL AVE

LEGEND

	EXISTING LENGTH
	EXISTING ELEVATION / SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	DEPRESSED CURB AND GUTTER
	SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD

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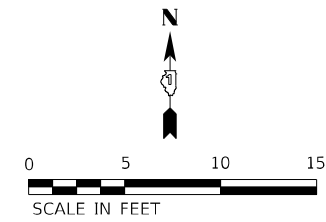
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PLOT DATE = 1/8/2021		

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

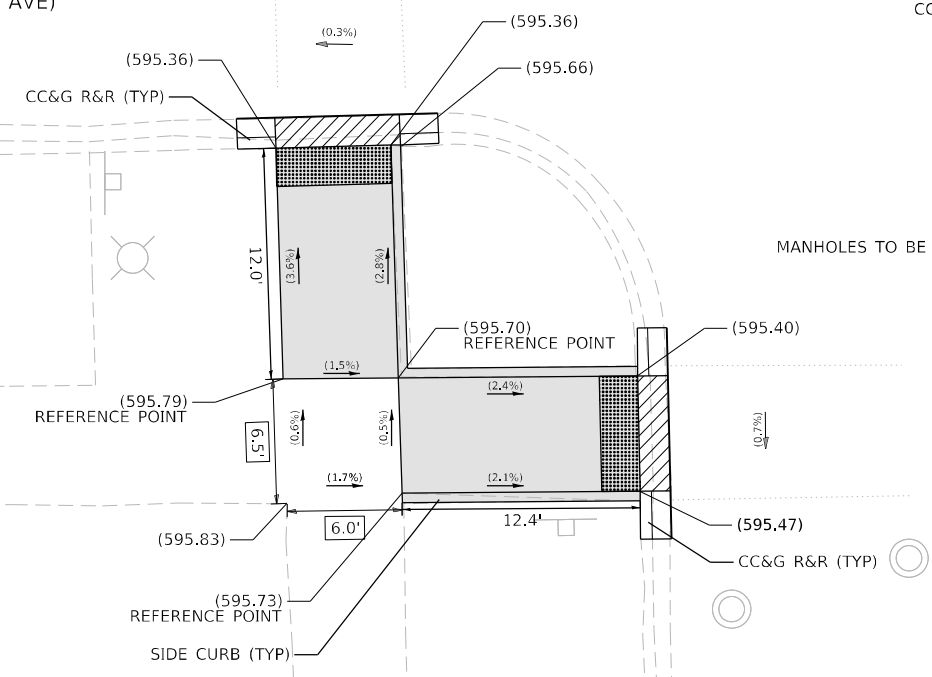
**ADA RAMP DETAILS
 US 14 (PETERSON AVE) AT CAMPBELL AVE**

SCALE: _____ STA. _____ TO STA. _____

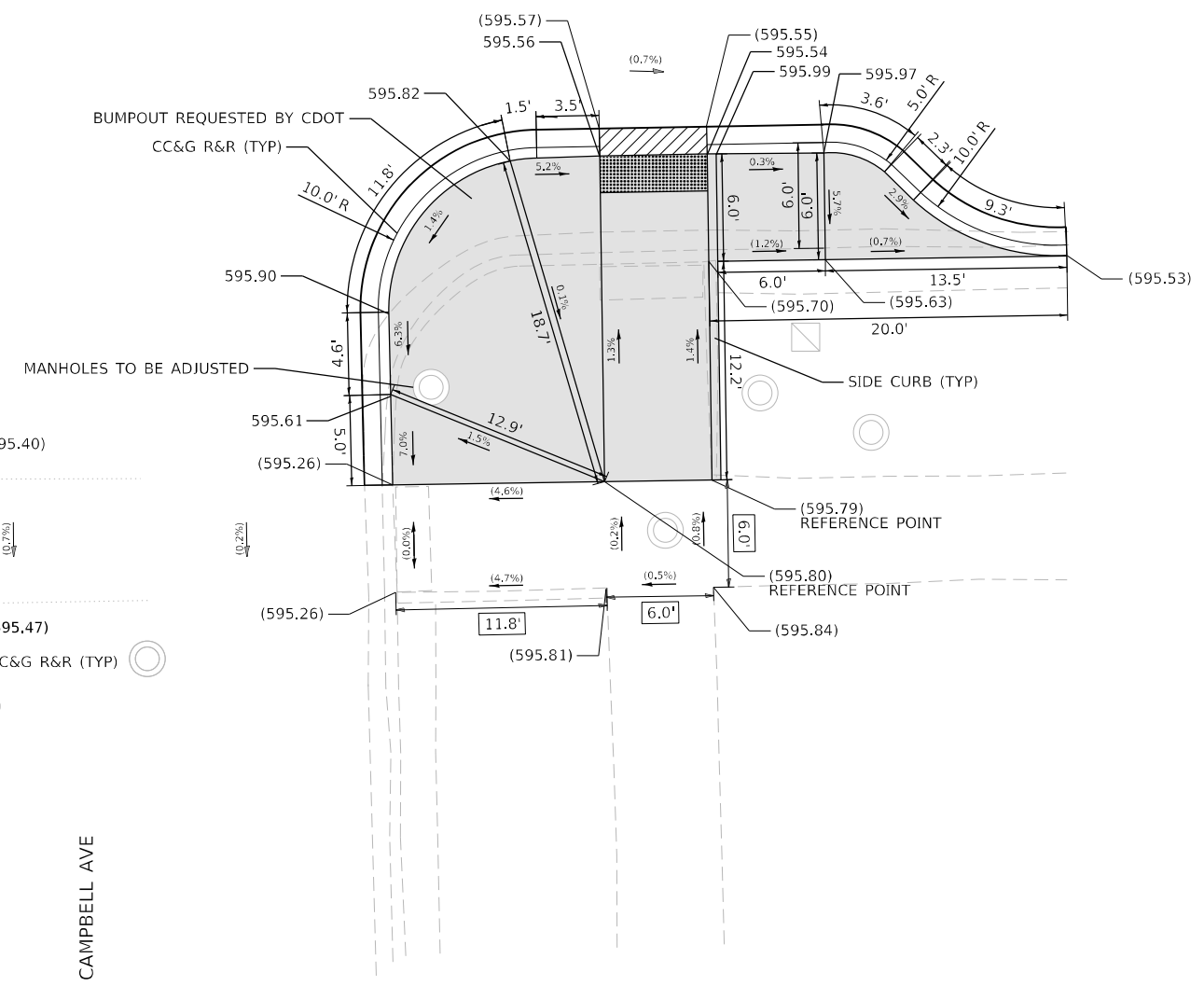
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CONTRACT NO. 62L80				
ILLINOIS FED. AID PROJECT				



US-14 (PETERSON AVE)



CAMPBELL AVE

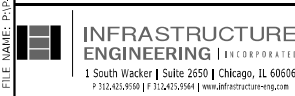


REFERENCE BENCHMARK 8954 (EL: 597.89)
 BENCHMARK: BOX CUT ON CONC BASE OF SIGN
 LOCATION: NW CORNER PETERSON AVE AND CAMPBELL AVE

LEGEND

xx.xx	EXISTING LENGTH
()	EXISTING ELEVATION / SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	DEPRESSED CURB AND GUTTER
	SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD

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USER NAME = KKumle	DESIGNED -	REVISED -
PLOT SCALE = 10,0009 * / in.	DRAWN - KEK	REVISED -
PLOT DATE = 4/8/2021	CHECKED - ACL	REVISED -
	DATE - 04/08/2021	REVISED -

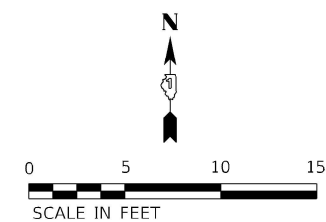
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA RAMP DETAILS
 US 14 (PETERSON AVE) AT CAMPBELL AVE**

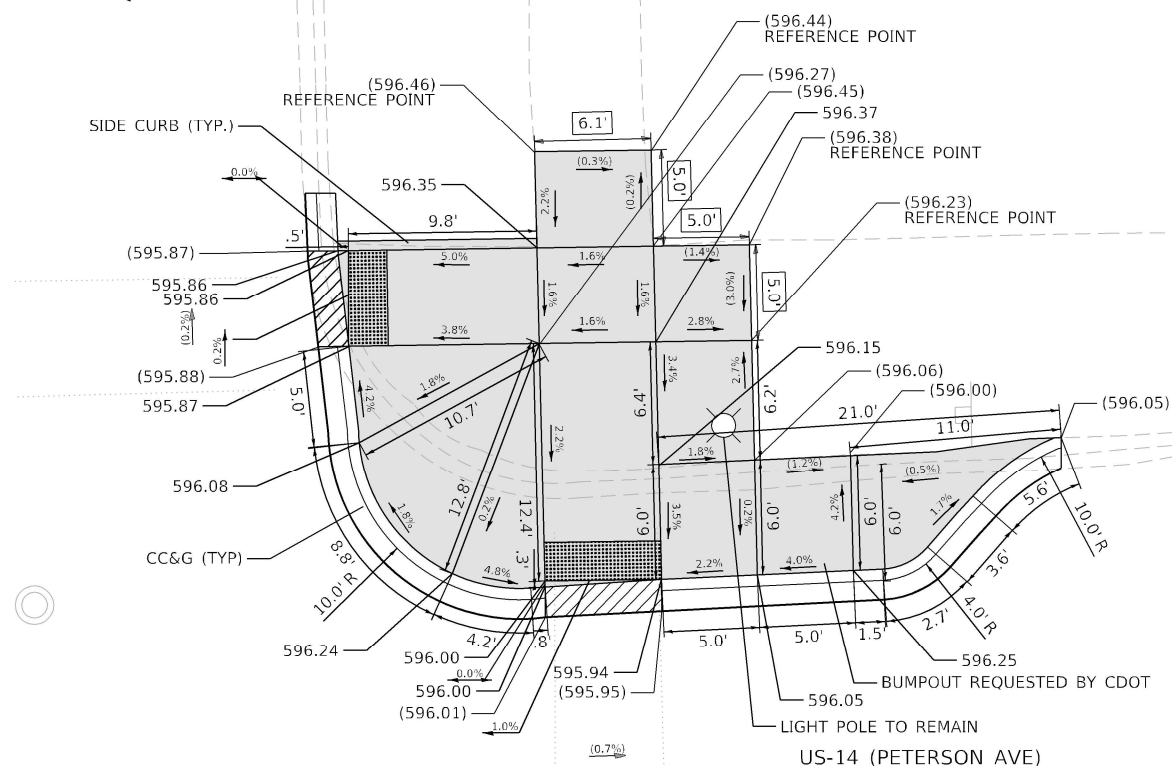
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F.A.P. RTE. 341	SECTION 2020-102-R5	COUNTY COOK	TOTAL SHEETS 49	SHEET NO. 28
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62L80	

COMM
BLDG



ARTESIAN AVE



LEGEND

- xx.xx' EXISTING LENGTH
- () EXISTING ELEVATION / SLOPE
- █ PROPOSED SIDEWALK
- ▒ DETECTABLE WARNINGS
- ▨ DEPRESSED CURB AND GUTTER
- ▩ SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD

REFERENCE BENCHMARK 10081 (EL: 597.66)
 BENCHMARK: "X" ON F.H.
 LOCATION: NW CORNER PETERSON AVE AND ARTESIAN AVE

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA RAMP DETAILS
 US 14 (PETERSON AVE) AT ARTESIAN AVE**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2020-102-R5	COOK	49	29
CONTRACT NO. 62L80				

SCALE: STA. TO STA.

ILLINOIS FED. AID PROJECT

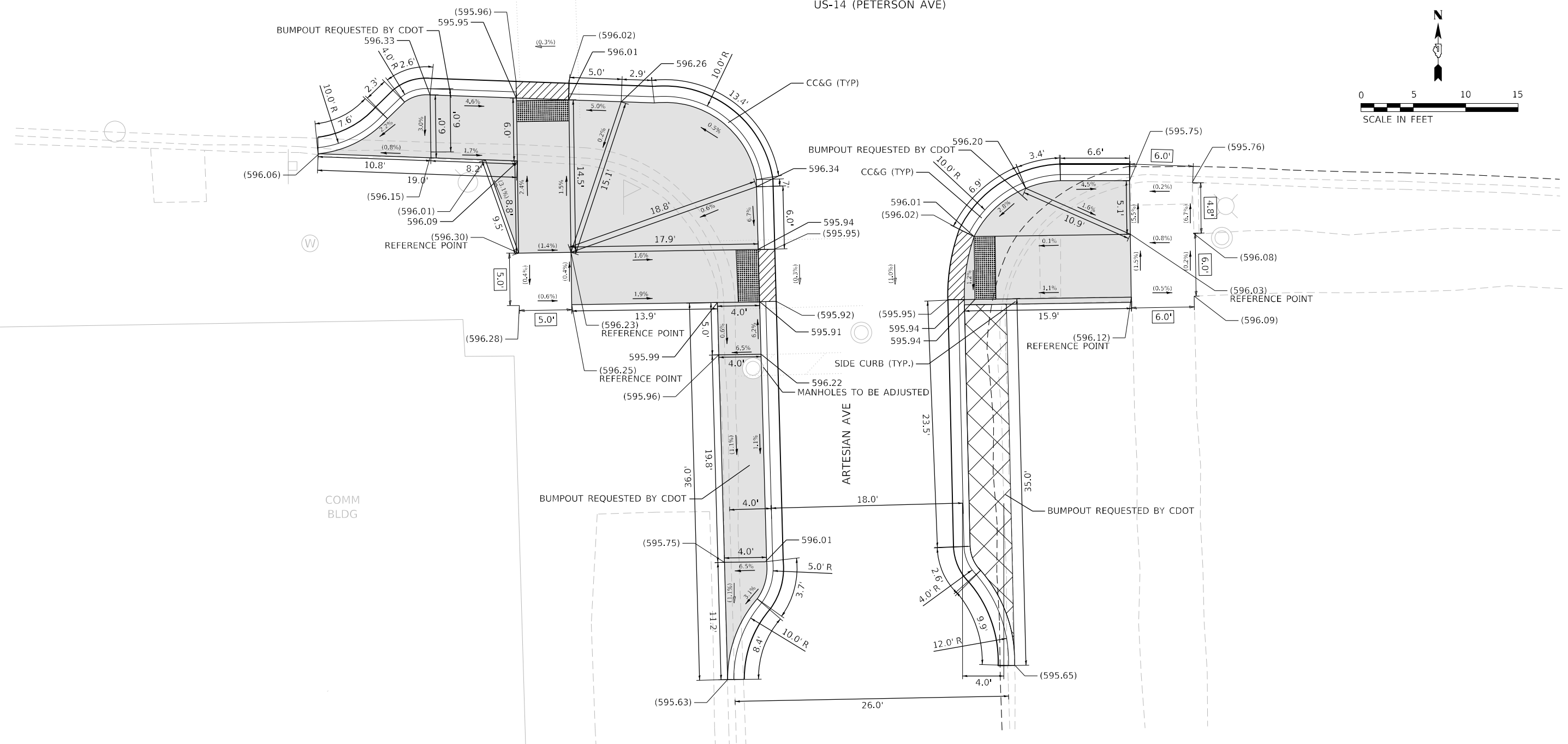
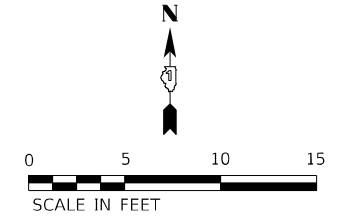
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DRAWN - KEK	REVISOR -	REVISION -
CHECKED - ACL	REVISOR -	REVISION -
DATE - 04/08/2021	REVISOR -	REVISION -

PLOT SCALE = 10.0009 ' / in.
 PLOT DATE = 4/8/2021

INFRASTRUCTURE ENGINEERING INCORPORATED
 1 South Wacker | Suite 2650 | Chicago, IL 60606
 P 312.425.8589 | F 312.425.8594 | www.infrastructure-eg.com

MODEL Path: \\... \16\Work Order 05\DC\IC\ADD_Sheets\1621.80-SIT-ADA-201.dgn

US-14 (PETERSON AVE)



REFERENCE BENCHMARK 10081 (EL: 597.66)
 BENCHMARK: "X" ON F.H.
 LOCATION: NW CORNER PETERSON AVE AND ARTESIAN AVE

LEGEND

	EXISTING LENGTH
	EXISTING ELEVATION / SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	DEPRESSED CURB AND GUTTER
	SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD

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 1 South Wacker | Suite 2650 | Chicago, IL 60606
 P 312.425.9599 | F 312.425.9598 | www.infrastructure-eng.com

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

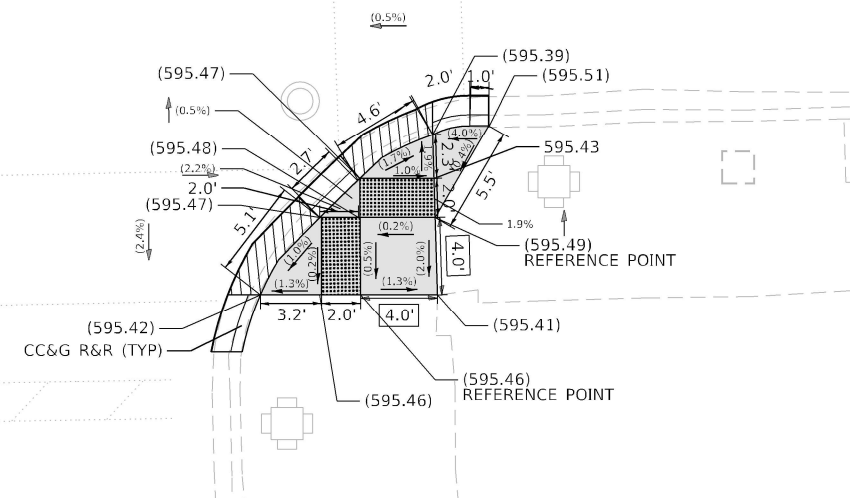
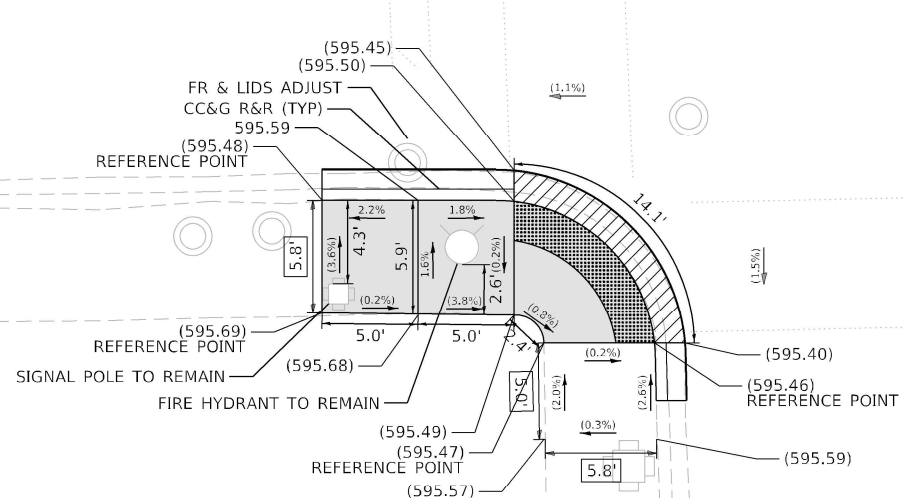
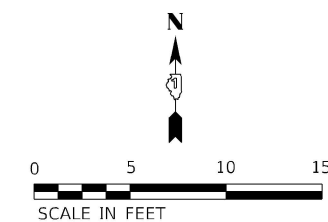
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA RAMP DETAILS
 US 14 (PETERSON AVE) AT ARTESIAN AVE**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2020-102-R5	COOK	49	30
CONTRACT NO. 62L80				
ILLINOIS FED. AID PROJECT				

SCALE: _____ STA. _____ TO STA. _____

US-14 (PETERSON AVE)



WESTERN AVE

REFERENCE BENCHMARK 9271 (EL: 597.01)
 BENCHMARK: CUT ON NE CORNER OF T.C. BOX
 LOCATION: SE CORNER PETERSON AVE AND WESTERN AVE

LEGEND

	EXISTING LENGTH
()	EXISTING ELEVATION / SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	DEPRESSED CURB AND GUTTER
	SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD

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INFRASTRUCTURE ENGINEERING INCORPORATED
 1 South Wacker | Suite 2650 | Chicago, IL 60636
 P 312.425.8559 | F 312.475.9594 | www.infrastructure-eg.com

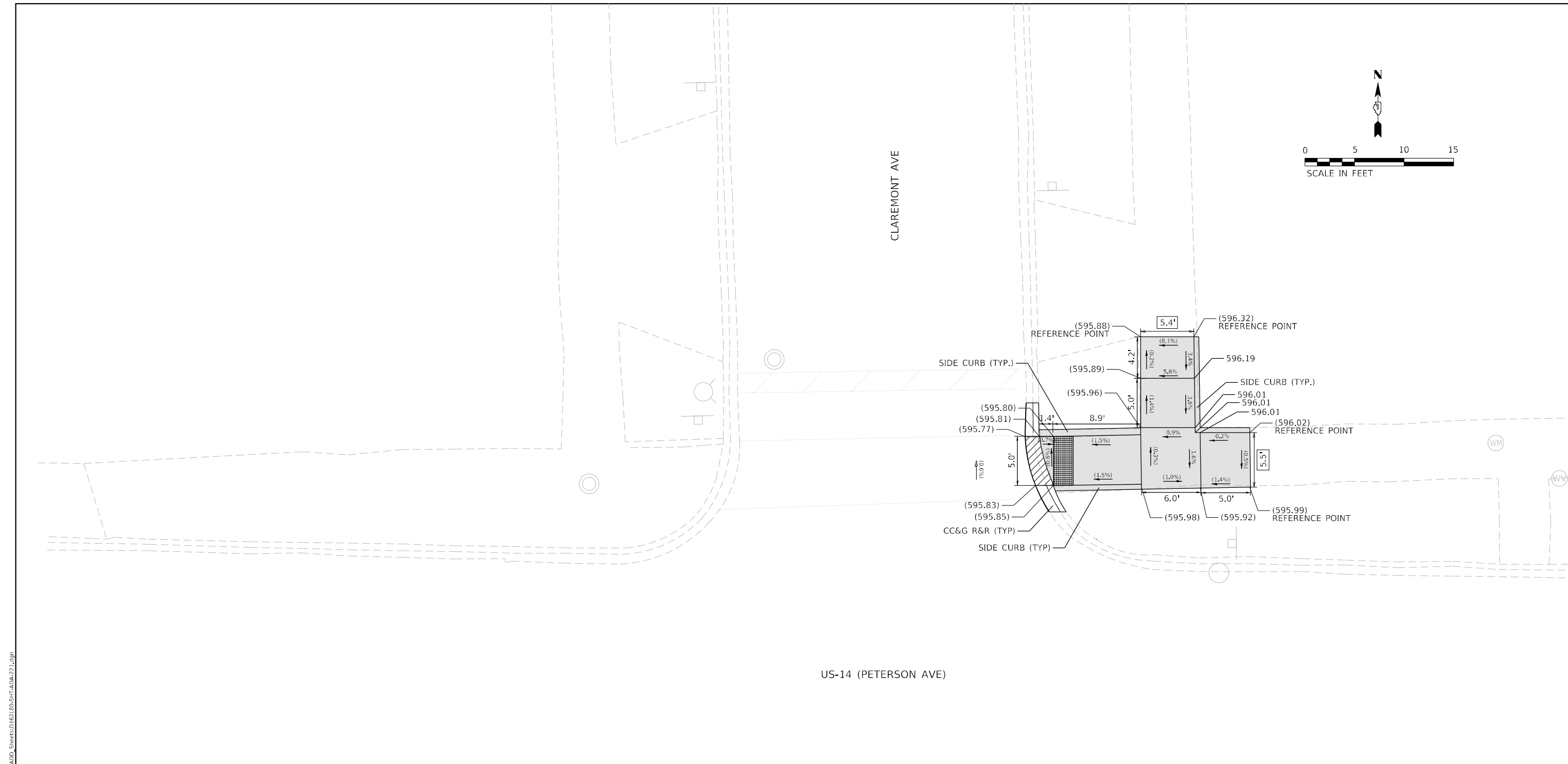
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	DATE - 04/08/2021	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA RAMP DETAILS
 US 14 (PETERSON AVE) AT WESTERN AVE**

SCALE: STA. TO STA.

F.A.P. RTE. 341	SECTION 2020-102-R5	COUNTY COOK	TOTAL SHEETS 49	SHEET NO. 31
CONTRACT NO. 62L80				
ILLINOIS FED. AID PROJECT				



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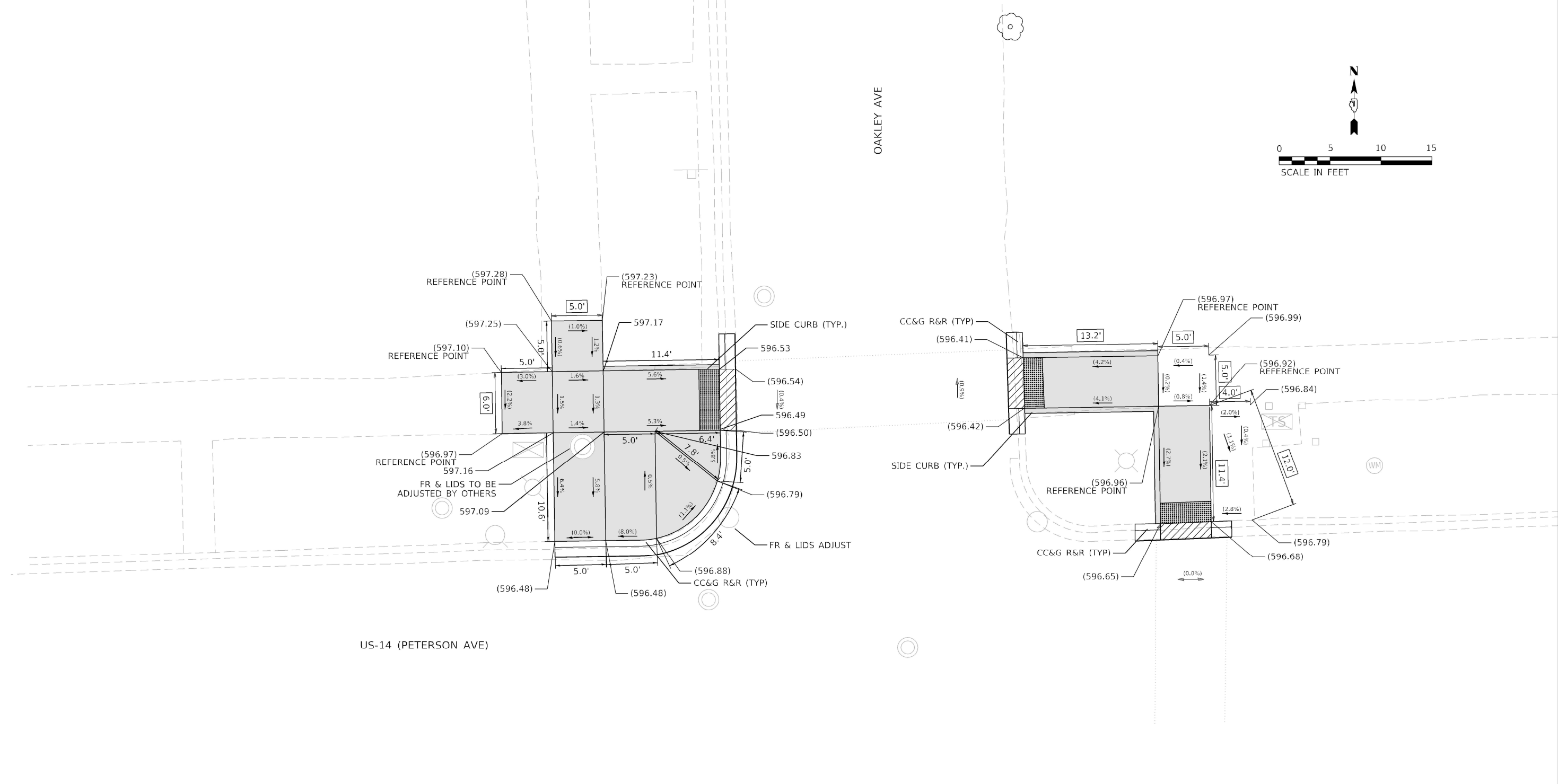
REFERENCE BENCHMARK 9748 (EL: 596.74)
BENCHMARK: CHISLE "X" ON CHAINBOLT OF F.H.
LOCATION: NW CORNER PETERSON AVE AND CLAREMONT AVE

LEGEND

[xx.xx]	EXISTING LENGTH
()	EXISTING ELEVATION / SLOPE
[Solid Grey]	PROPOSED SIDEWALK
[Grid Pattern]	DETECTABLE WARNINGS
[Diagonal Hatching]	DEPRESSED CURB AND GUTTER
[X Pattern]	SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD

	USER NAME = KKumle	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ADA RAMP DETAILS US 14 (PETERSON AVE) AT CLAREMONT AVE	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1 South Wacker Suite 2650 Chicago, IL 60606 P 312.425.9599 F 312.425.9598 www.infrastructure-eng.com	PLOT SCALE = 10,0009 * / in.	CHECKED - ACL			REVISED -	341	2020-102-R5	COOK	49
	PLOT DATE = 4/8/2021	DATE - 04/08/2021	REVISED -		SCALE: TO STA.	ILLINOIS FED. AID PROJECT		CONTRACT NO. 62L80		

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REFERENCE BENCHMARK 10612 (EL: 598.71)
BENCHMARK: NOTCH ON SW CORNER L.P.
LOCATION: NE CORNER PETERSON AVE AND OAKLEY AVE

LEGEND

xx.xx] EXISTING LENGTH
() EXISTING ELEVATION / SLOPE
[gray box] PROPOSED SIDEWALK
[grid pattern] DETECTABLE WARNINGS
[hatched box] DEPRESSED CURB AND GUTTER
[cross-hatched box] SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

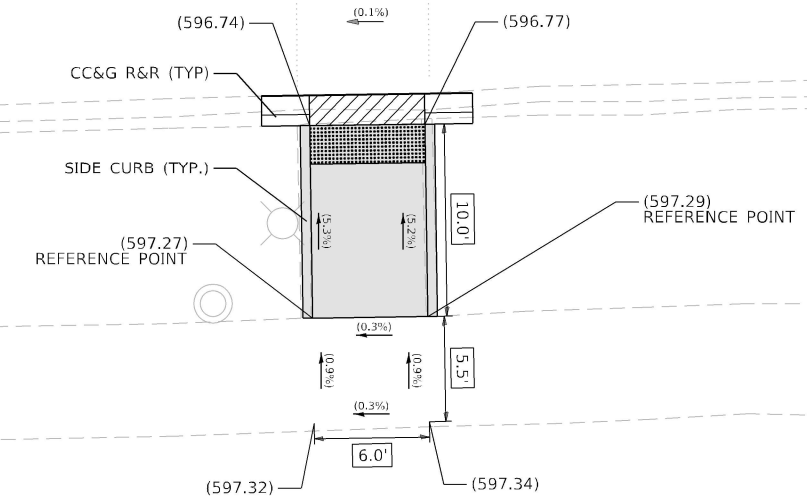
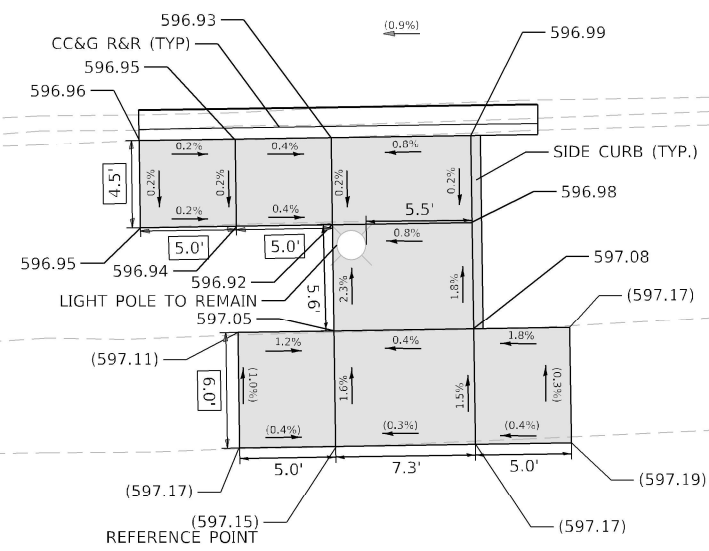
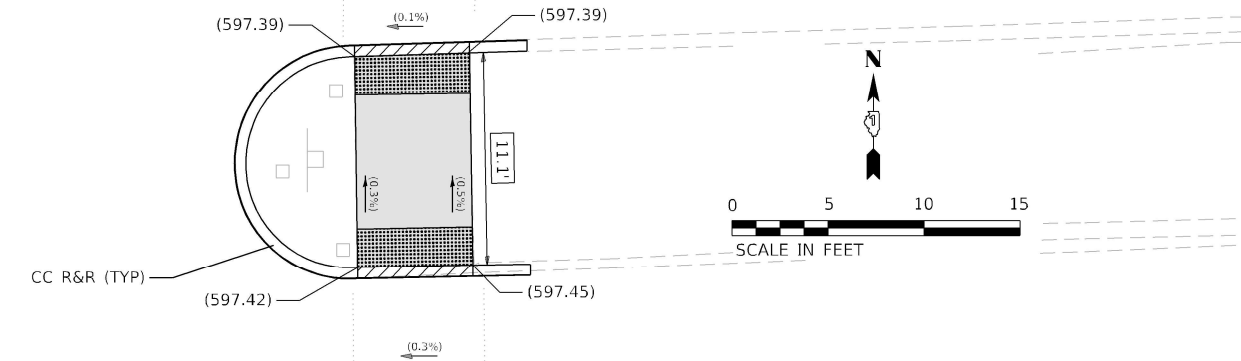
**ADA RAMP DETAILS
US 14 (PETERSON AVE) AT OAKLEY AVE**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2020-102-R5	COOK	49	33
CONTRACT NO. 62L80				
SCALE:		STA. TO STA.		
ILLINOIS		FED. AID PROJECT		

 INFRASTRUCTURE ENGINEERING INCORPORATED 1 South Wacker Suite 2650 Chicago, IL 60606 P 312.425.8569 F 312.425.9564 www.infrastructure-eps.com	USER NAME = KKumle PLOT SCALE = 10.0009 " / in. PLOT DATE = 4/8/2021	DESIGNED - DRAWN - KEK CHECKED - ACL DATE - 04/08/2021	REVISED - REVISED - REVISED - REVISED -	<p>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p> <p>ADA RAMP DETAILS US 14 (PETERSON AVE) AT OAKLEY AVE</p> <p>SCALE: STA. TO STA.</p>
<p>F.A.P. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.</p> <p>341 2020-102-R5 COOK 49 33</p> <p>CONTRACT NO. 62L80</p> <p>ILLINOIS FED. AID PROJECT</p>				

OAKLEY AVE

US-14 (PETERSON AVE)



REFERENCE BENCHMARK 10612 (EL: 598.71)
 BENCHMARK: NOTCH ON SW CORNER L.P.
 LOCATION: NE CORNER PETERSON AVE AND OAKLEY AVE

LEGEND

- xx.xx' EXISTING LENGTH
- () EXISTING ELEVATION / SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- DEPRESSED CURB AND GUTTER
- SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

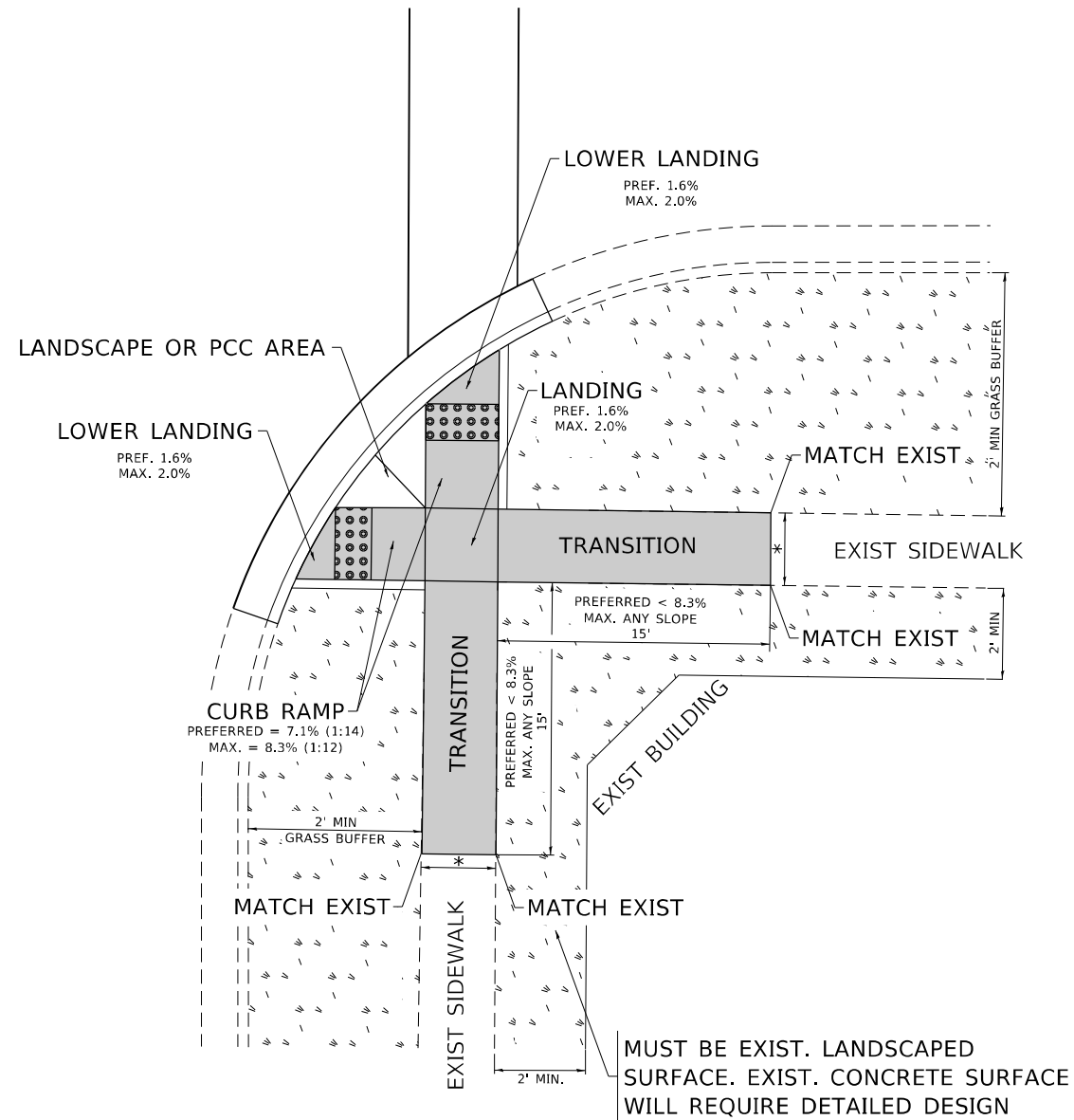
**ADA RAMP DETAILS
US 14 (PETERSON AVE) AT OAKLEY AVE**

F.A.P. RTE. 341	SECTION 2020-102-R5	COUNTY COOK	TOTAL SHEETS 49	SHEET NO. 34
CONTRACT NO. 62L80				
ILLINOIS FED. AID PROJECT				

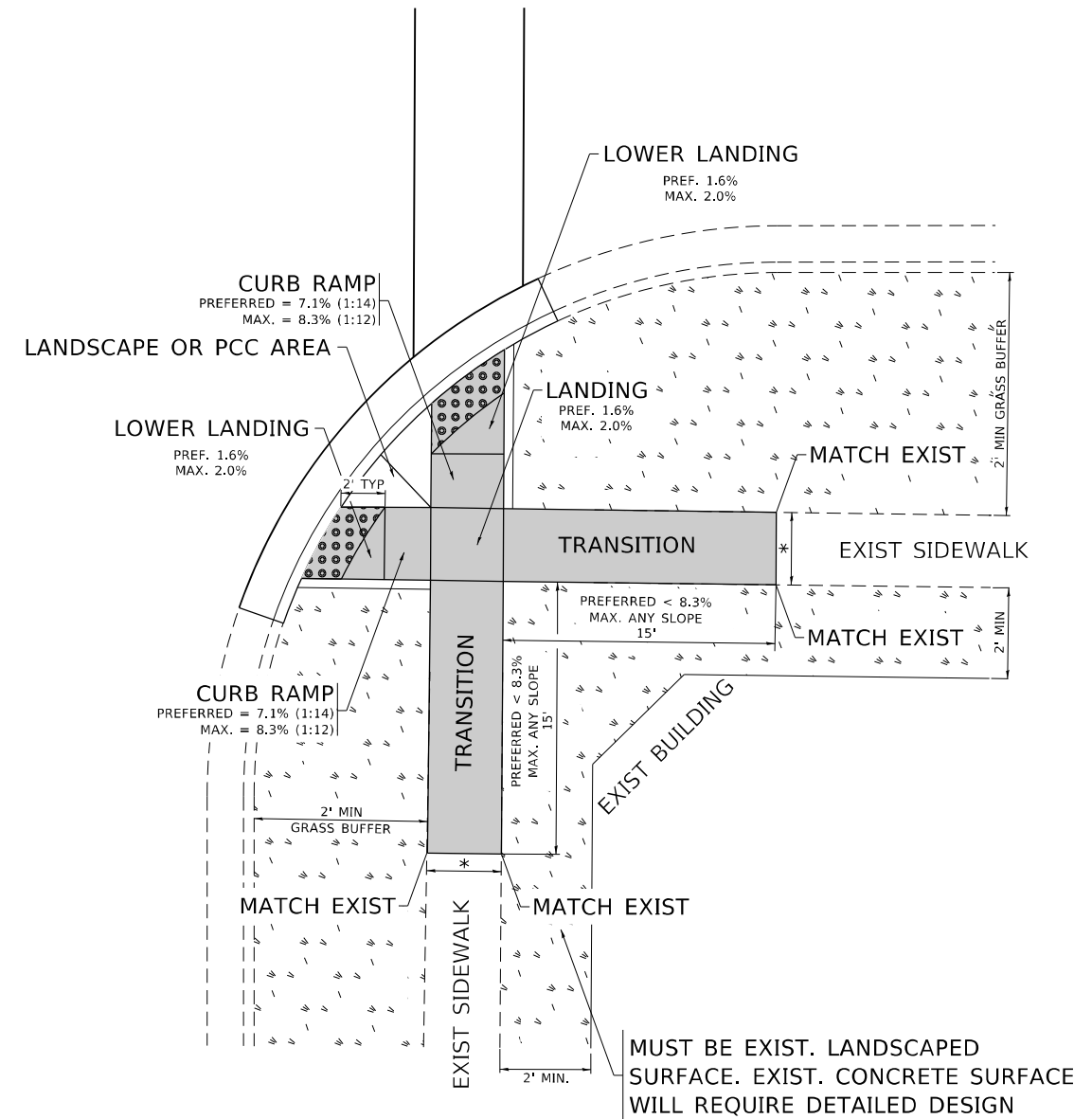
SCALE: STA. TO STA.

ADA DETAIL FOR DOUBLE PERPENDICULAR CURB RAMPS

PD-03A



PD-03B



LEGEND

- EXIST. GRASS
- PROPOSED SIDEWALK
- PROPOSED SIDE CURB
- 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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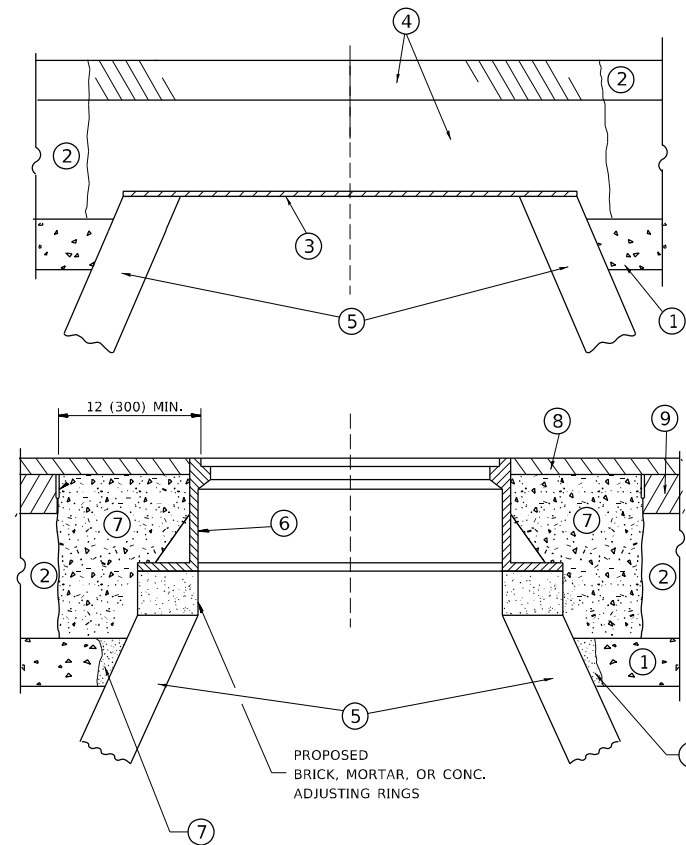
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROJECT DETAIL FOR DOUBLE PERPENDICULAR CURB RAMPS
(PD-03)**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2020-102-R5	COOK	49	35
PD-03		CONTRACT NO. 62L80		
ILLINOIS FED. AID PROJECT				



NOTES

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

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

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

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

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

CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1½ (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

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

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

LEGEND

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

LOCATION OF STRUCTURES

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

BASIS OF PAYMENT

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

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

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

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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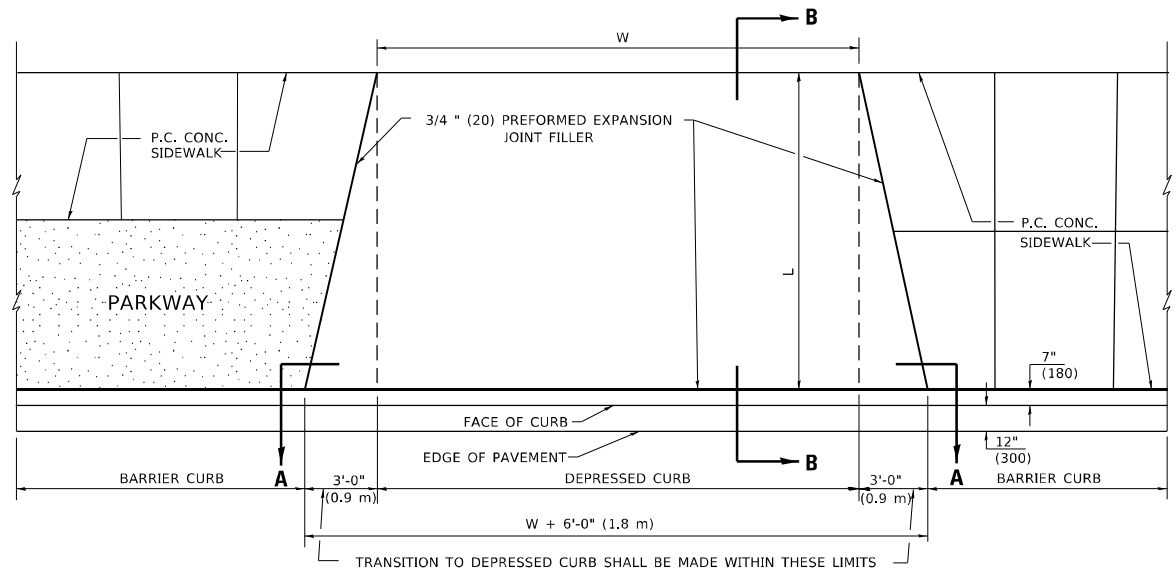
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PLOT DATE = 3/18/2021	DATE - 10-25-94	REVISED - R. BORO 12-06-11

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

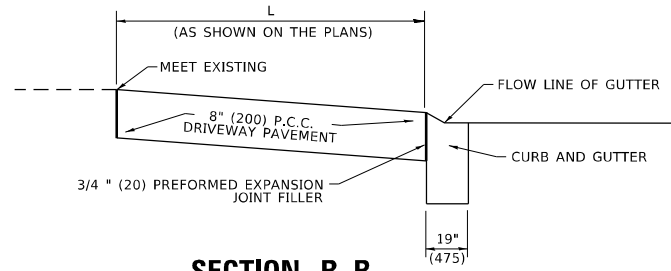
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BD600-03 (BD-8)		CONTRACT NO. 62L80		
ILLINOIS FED. AID PROJECT				



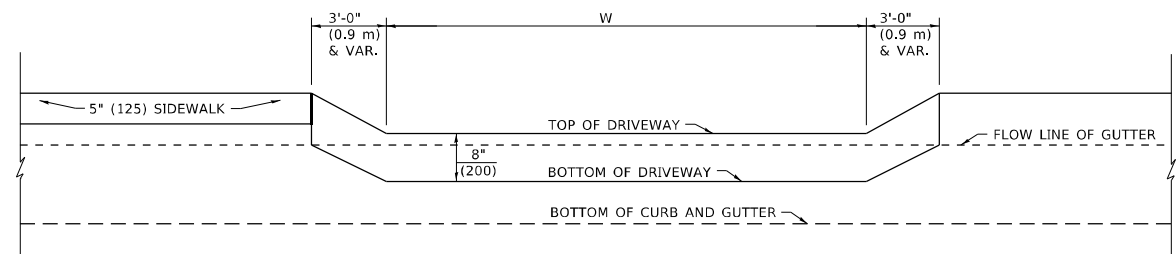
PLAN VIEW

NOTES:

1. EXPANSION JOINTS SHALL BE CONSTRUCTED AS SHOWN ON THE DETAILS FOR P.C.C. SIDEWALK.
2. THE CURB BETWEEN ADJACENT DRIVEWAYS SHALL BE FULL HEIGHT FOR A DISTANCE OF AT LEAST FOUR FEET (1.2 METERS).
3. P.C. CONCRETE DRIVEWAYS SHALL BE CONSTRUCTED AT LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
4. 3/4" (20) PREFORMED EXPANSION JOINTS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO P.C.C. DRIVEWAY PAVEMENT 8" (200).
5. COMBINATION CONC. CURB AND GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE TRANSITION CURB AND GUTTER.

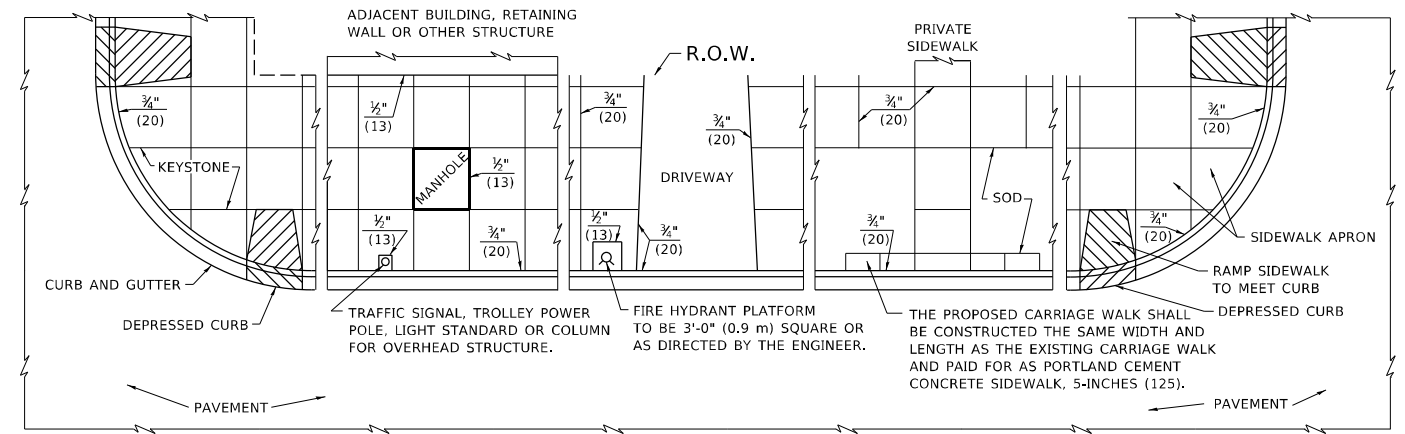


SECTION B-B



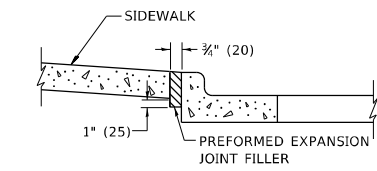
SECTION A-A

P.C.C. DRIVEWAY PAVEMENT DETAIL



NOTES:

1. ONE-HALF INCH THICK EXPANSION JOINTS SHALL BE PLACED BETWEEN THE SIDEWALK AND ALL STRUCTURES SUCH AS LIGHT STANDARDS, TRAFFIC LIGHT STANDARDS, MANHOLES, WHICH EXTEND THROUGH THE SIDEWALK.
2. 3/4" (20) THICK EXPANSION JOINTS SHALL BE PLACED AT INTERVALS OF NOT MORE THAN 100 FEET (30 METERS) IN THE SIDEWALK. WHERE THE SIDEWALK IS CONSTRUCTED ADJACENT TO PAVEMENT OR CURB HAVING EXPANSION JOINTS, THE EXPANSION JOINTS IN THE SIDEWALK SHALL BE PLACED OPPOSITE THE EXISTING EXPANSION JOINTS AS NEARLY AS PRACTICABLE. EXPANSION JOINTS SHALL ALSO BE PLACED WHERE THE SIDEWALK ABUTS EXISTING SIDEWALKS, BETWEEN DRIVEWAY PAVEMENT AND SIDEWALK, AND BETWEEN SIDEWALK AND CURBS WHERE THE SIDEWALK ABUTS THE CURB.

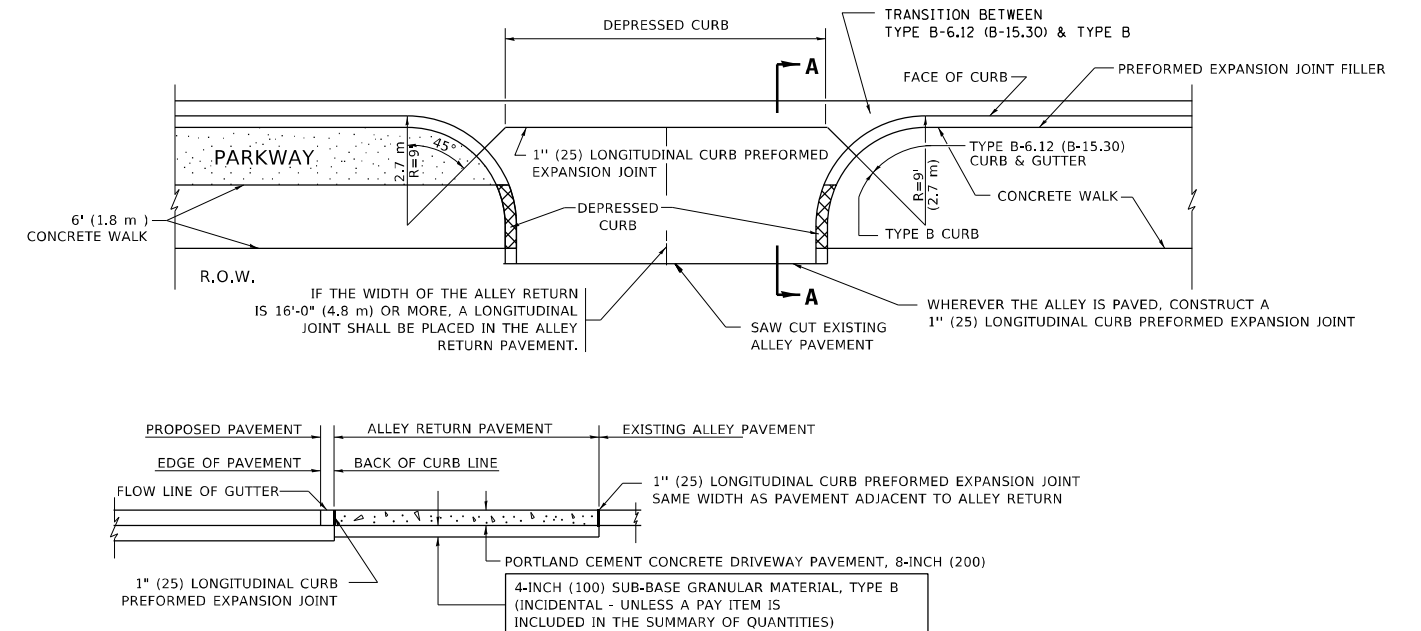


SLOPE FOR SIDEWALK
1" (25) IN 3'-0" (0.9 m) IN CHICAGO

PORTLAND CEMENT CONCRETE SIDEWALK DETAILS

NOTES:

NO EXTRA COMPENSATION SHALL BE ALLOWED FOR THE GUTTER FLARE



SECTION A-A

ALLEY RETURN DETAIL

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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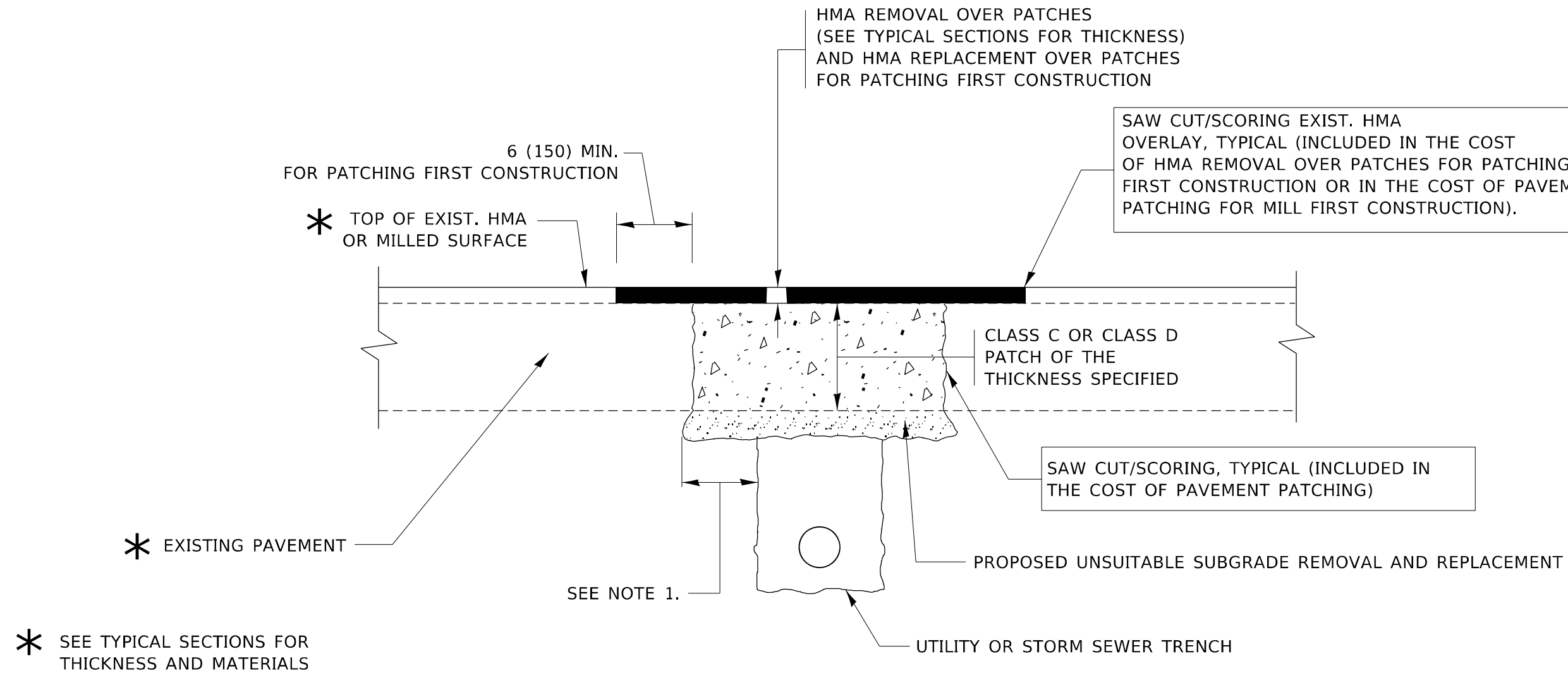
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CITY OF CHICAGO
DETAILS FOR P.C. CONCRETE DRIVEWAY, ALLEY RETURN AND SIDEWALK**

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

F.A.P. RTE. 341	SECTION 2020-102-R5	COUNTY COOK	TOTAL SHEETS 49	SHEET NO. 37
BD400-03 (BD-17)		CONTRACT NO. 62L80		
ILLINOIS FED. AID PROJECT				



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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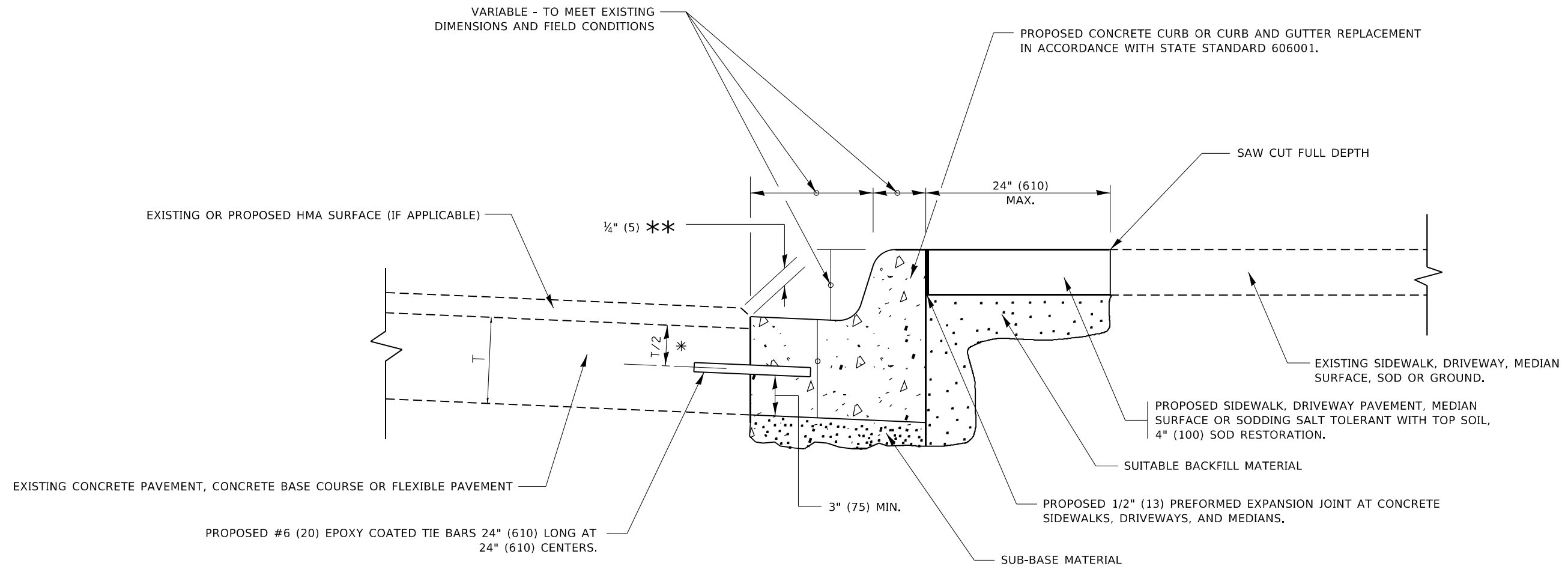
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PLOT DATE = 3/18/2021	DATE - 10-25-94	REVISED - K. ENG 10-27-08

**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.
341	2020-102-R5	COOK	49	38
BD400-04 (BD-22)		CONTRACT NO. 62L80		
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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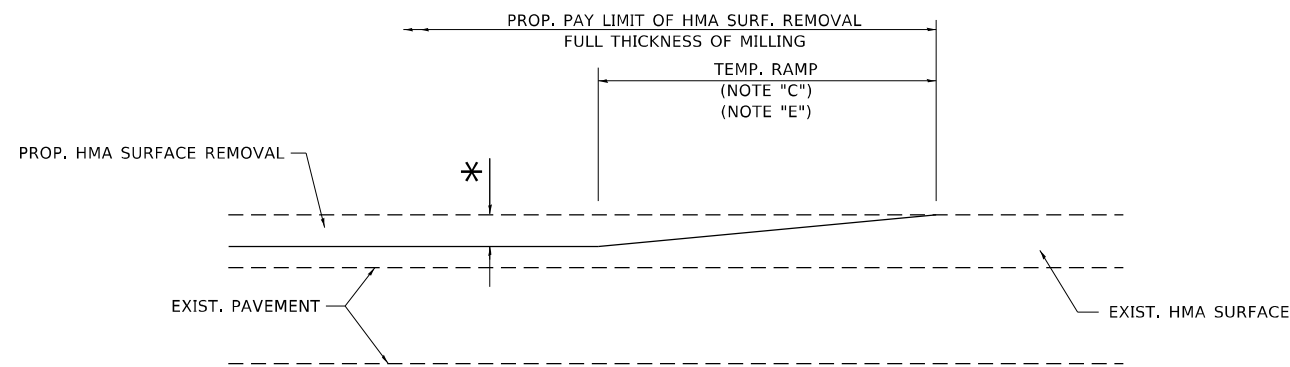
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CURB OR CURB AND GUTTER
REMOVAL AND REPLACEMENT**

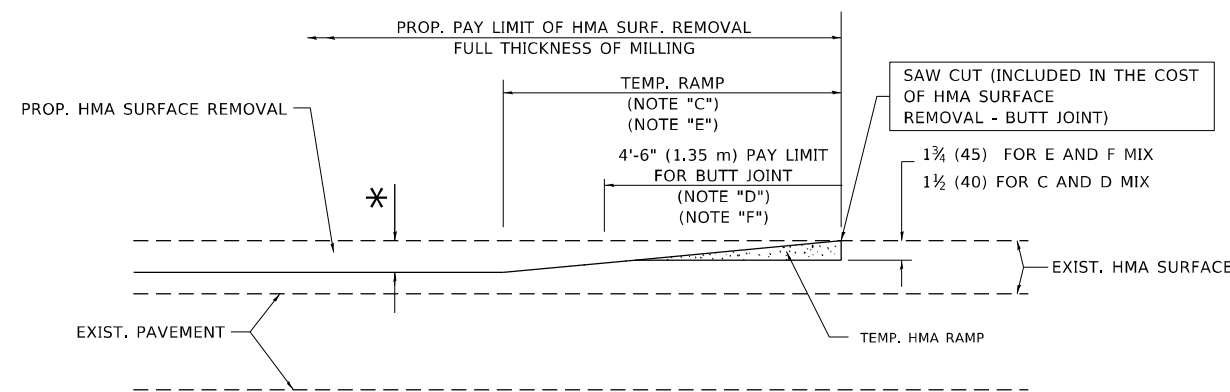
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2020-102-R5	COOK	49	39
BD600-06 (BD-24)			CONTRACT NO. 62L80	
ILLINOIS FED. AID PROJECT				



MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

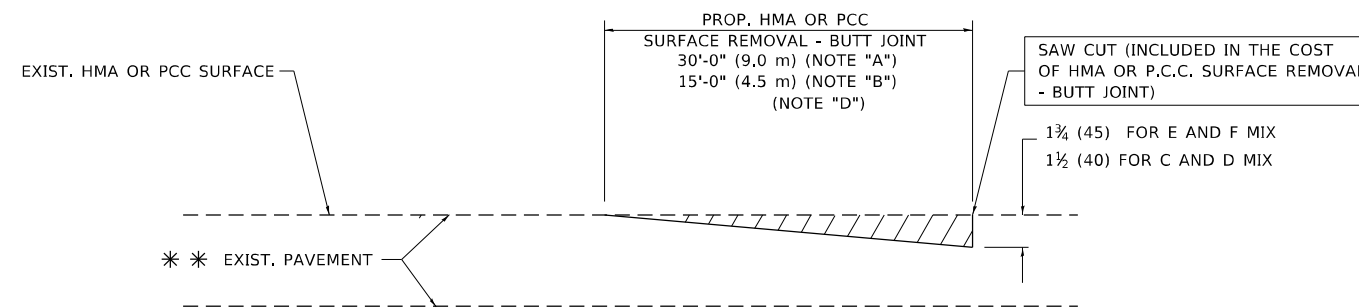
OPTION 1



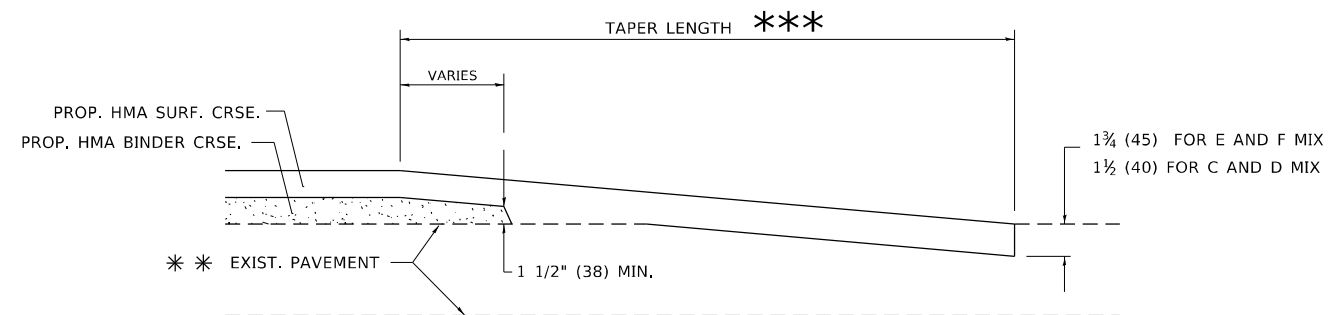
HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

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.

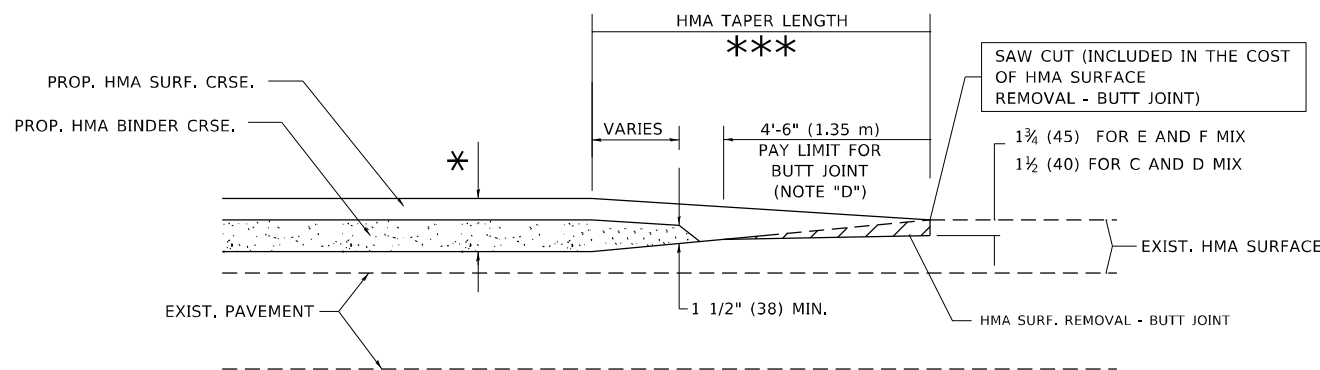
NOTES

- 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

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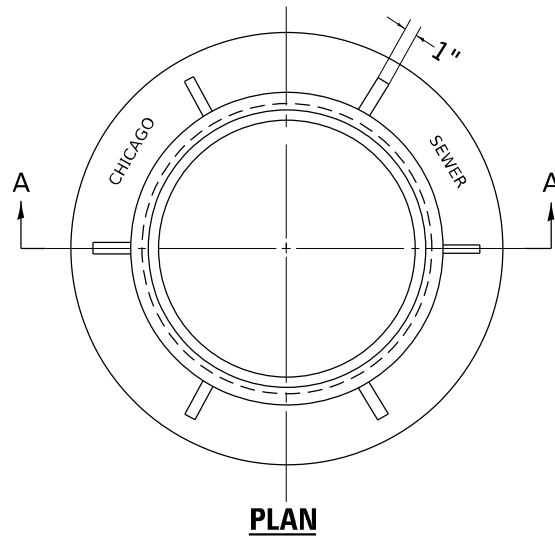
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PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - A. ABBAS 03-21-97
PLOT DATE = 3/18/2021	DATE - 06-13-90	REVISED - M. GOMEZ 04-06-01
		REVISED - R.BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

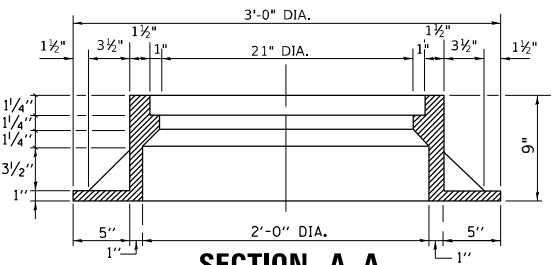
**BUTT JOINT AND
HMA TAPER DETAILS**

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

F.A.P. RTE. 341	SECTION 2020-102-R5	COUNTY COOK	TOTAL SHEETS 49	SHEET NO. 40
BD400-05 BD32		CONTRACT NO. 62L80		
ILLINOIS FED. AID PROJECT				



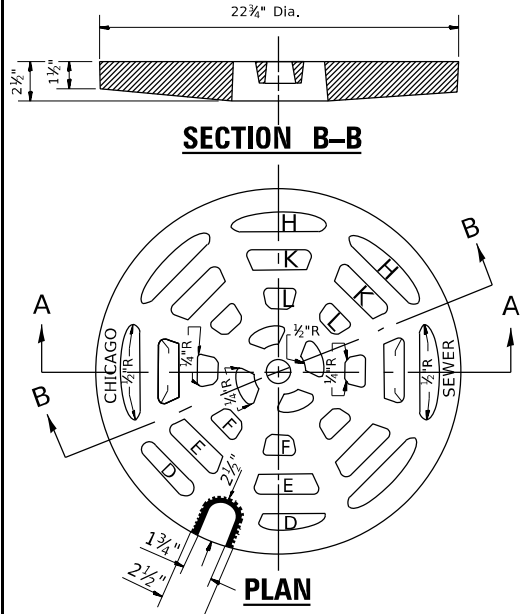
PLAN



SECTION A-A

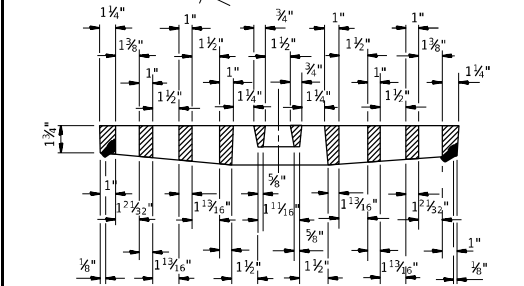
NOTE:
METAL PLATES MUST BE FURNISHED FOR PERFORATED LIDS ON MANHOLES

CHICAGO STANDARD MANHOLE FRAME
SCALE: 1½"=1'-0"
MATERIAL: CAST IRON



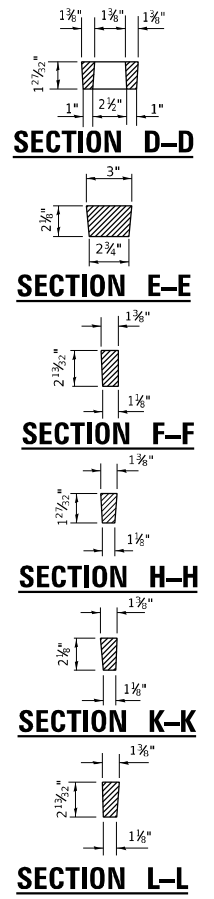
SECTION B-B

PLAN



SECTION A-A

PERFORATED LID FOR CATCH BASINS & MANHOLES
SCALE: 2"=1'-0"
MATERIAL: CAST IRON



SECTION D-D

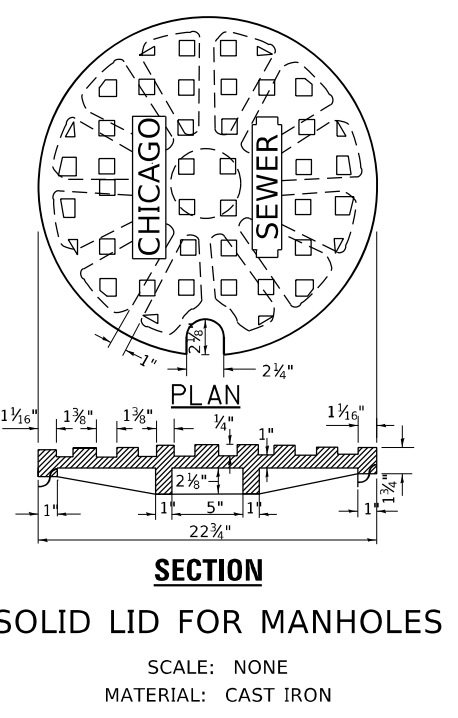
SECTION E-E

SECTION F-F

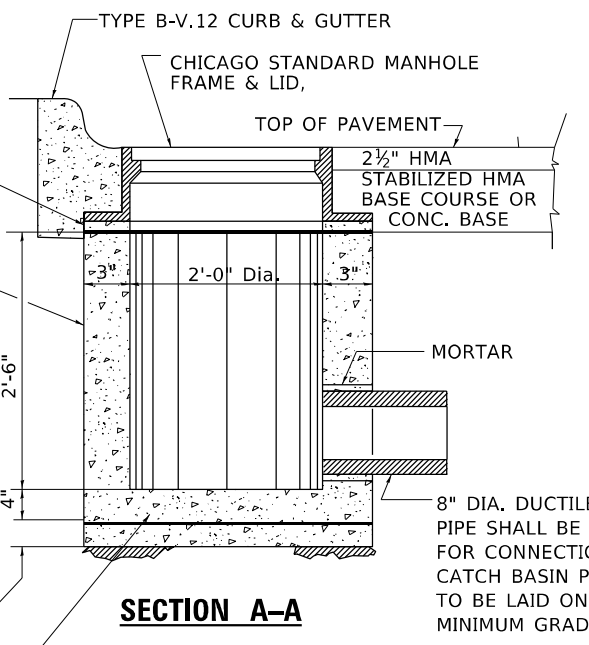
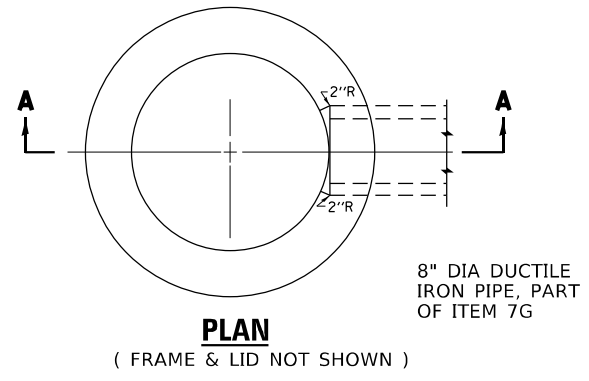
SECTION H-H

SECTION K-K

SECTION L-L



SOLID LID FOR MANHOLES
SCALE: NONE
MATERIAL: CAST IRON

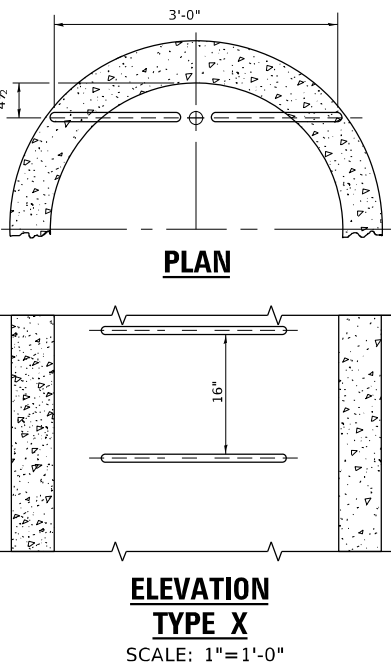


STANDARD INLETS
SCALE 1"=1'-0"
ITEM 12

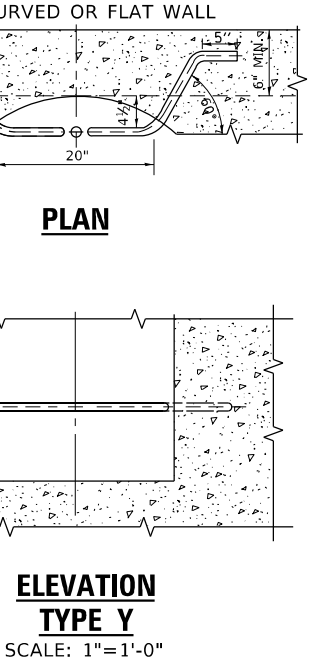
THIS INLET DETAIL IS SOMETIMES REFERRED TO AS "CHICAGO STANDARD INLET, TYPE A"

NOTE:
INLETS SHALL NOT BE CONSTRUCTED UNLESS IT IS IMPOSSIBLE TO CONSTRUCT A CATCH BASIN. THE CONTRACTOR SHALL HAVE THE DEPARTMENT OF SEWERS APPROVAL BEFORE CONSTRUCTING INLETS.

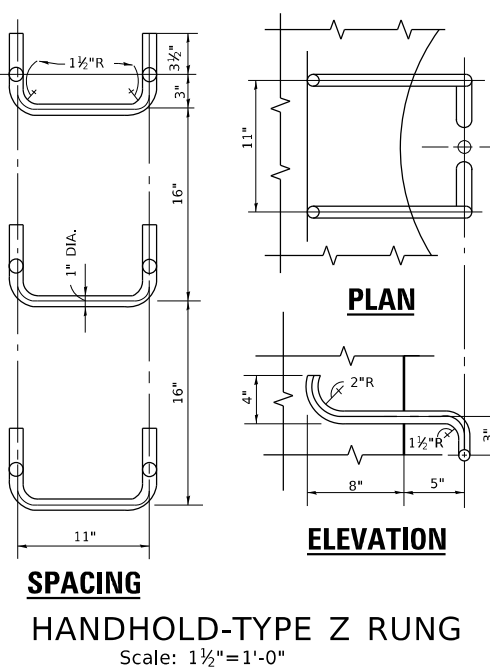
CITY OF CHICAGO
DEPARTMENT OF SEWERS
ENGINEERING DIVISION



ELEVATION TYPE X
SCALE: 1"=1'-0"

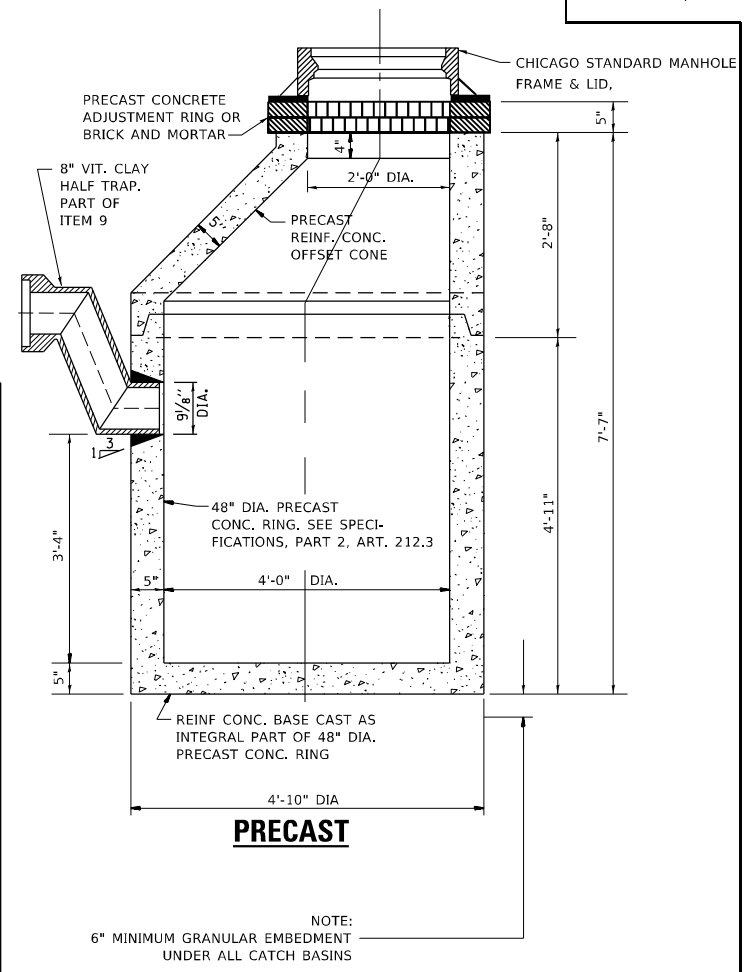


ELEVATION TYPE Y
SCALE: 1"=1'-0"



HANDHOLD-TYPE Z RUNG
SCALE: 1½"=1'-0"

STANDARD LADDER RUNGS
ALL LADDER RUNGS SHALL BE ALUMINUM OR GALVANIZED WROUGHT IRON AS SPECIFIED IN THE SPECIFICATIONS, PART 2, ARTICLE 214.2. RUNGS SHALL BE 1" DIAMETER OR OF A SHAPE HAVING AN EQUIVALENT CROSS-SECTIONAL AREA.



STANDARD CATCH BASINS
SCALE: ¾"=1'-0"
ITEM 9

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	DRAWN -	REVISED -
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PLOT DATE = 3/18/2021	DATE - 01-25-01	REVISED -

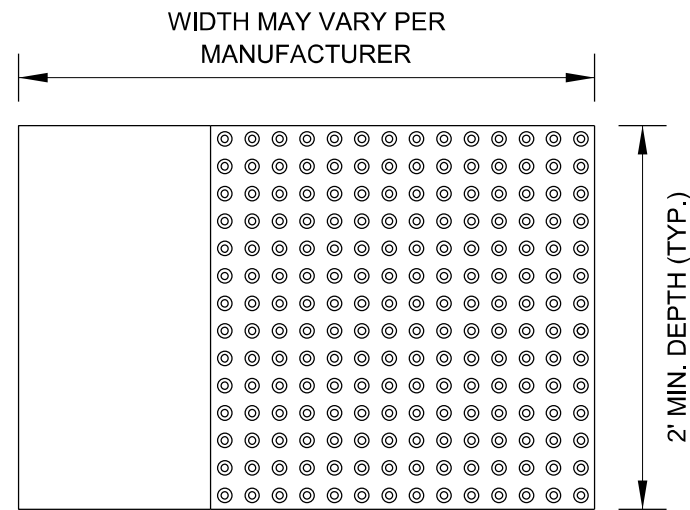
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CITY OF CHICAGO
CATCH BASIN, INLET AND MANHOLE DETAILS

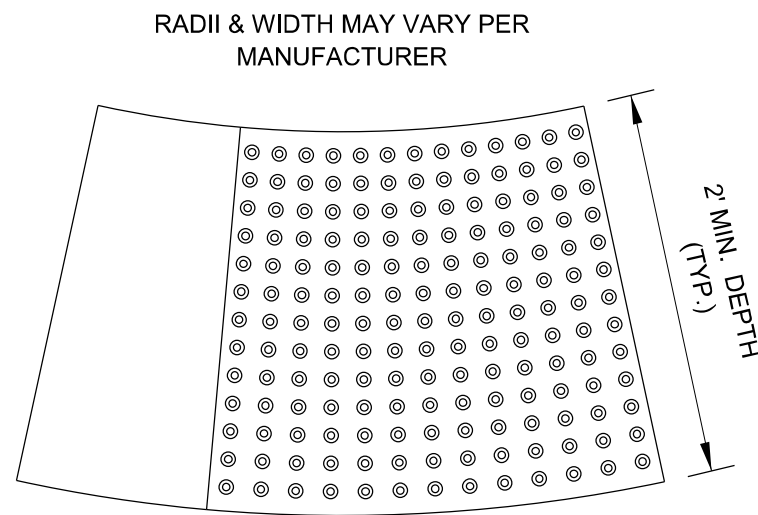
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2020-102-R5	COOK	49	41
BD600-13 (BD47)		CONTRACT NO. 62L80		
ILLINOIS FED. AID PROJECT				

STRAIGHT DETECTABLE WARNING UNITS



RADIAL DETECTABLE WARNING UNITS

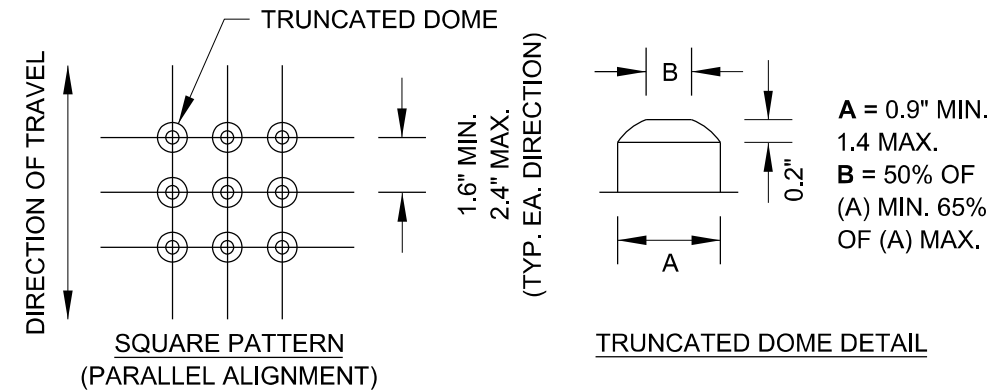


DETECTABLE WARNING UNIT SIZES

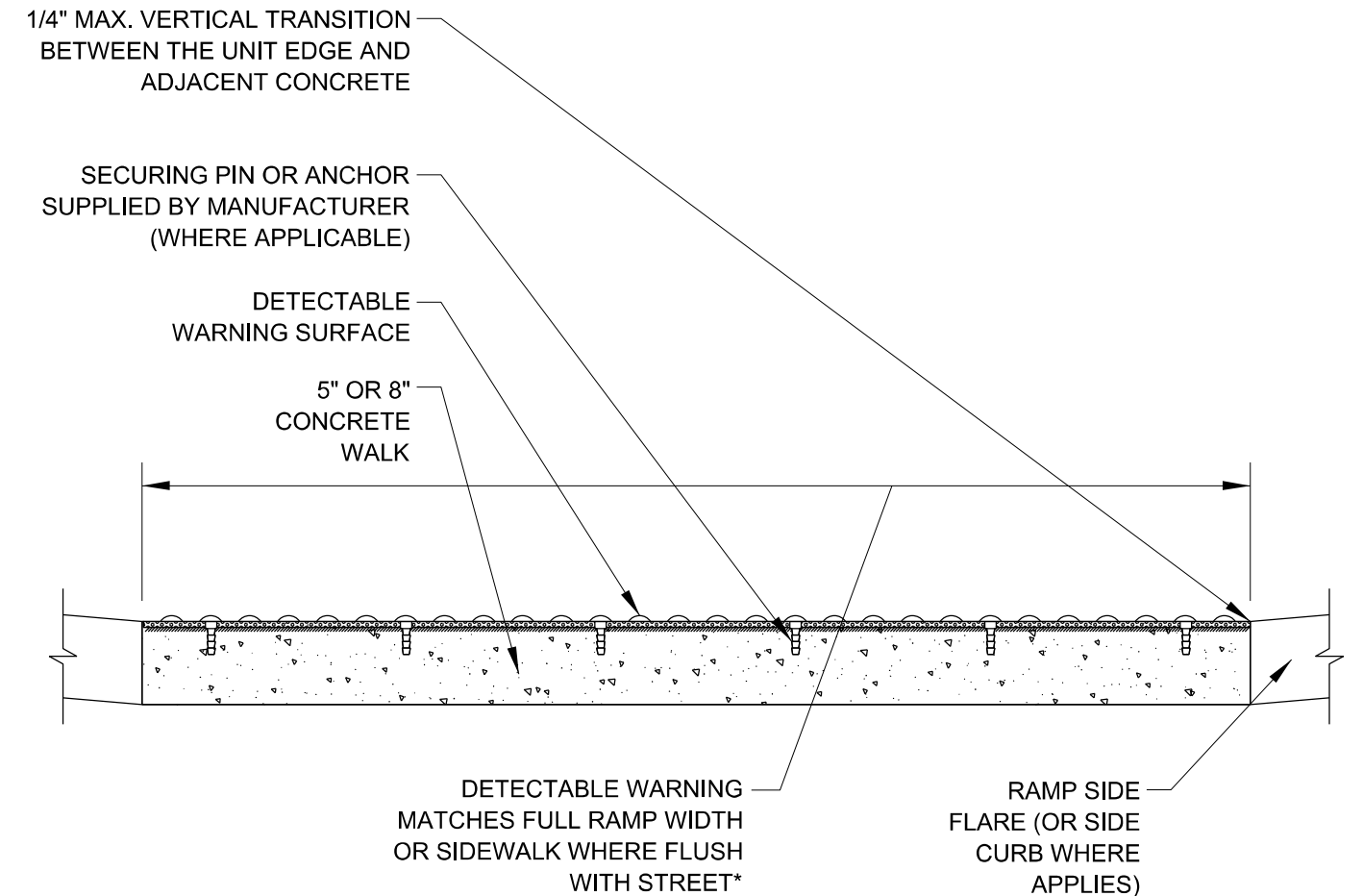
- VERIFY ALL DIMENSIONS WITH THE PRODUCT MANUFACTURER.
- IF USING RADIAL UNITS, VERIFY THAT THE CURB RADIUS MATCHES AVAILABLE UNIT RADII WITH THE PRODUCT MANUFACTURER.

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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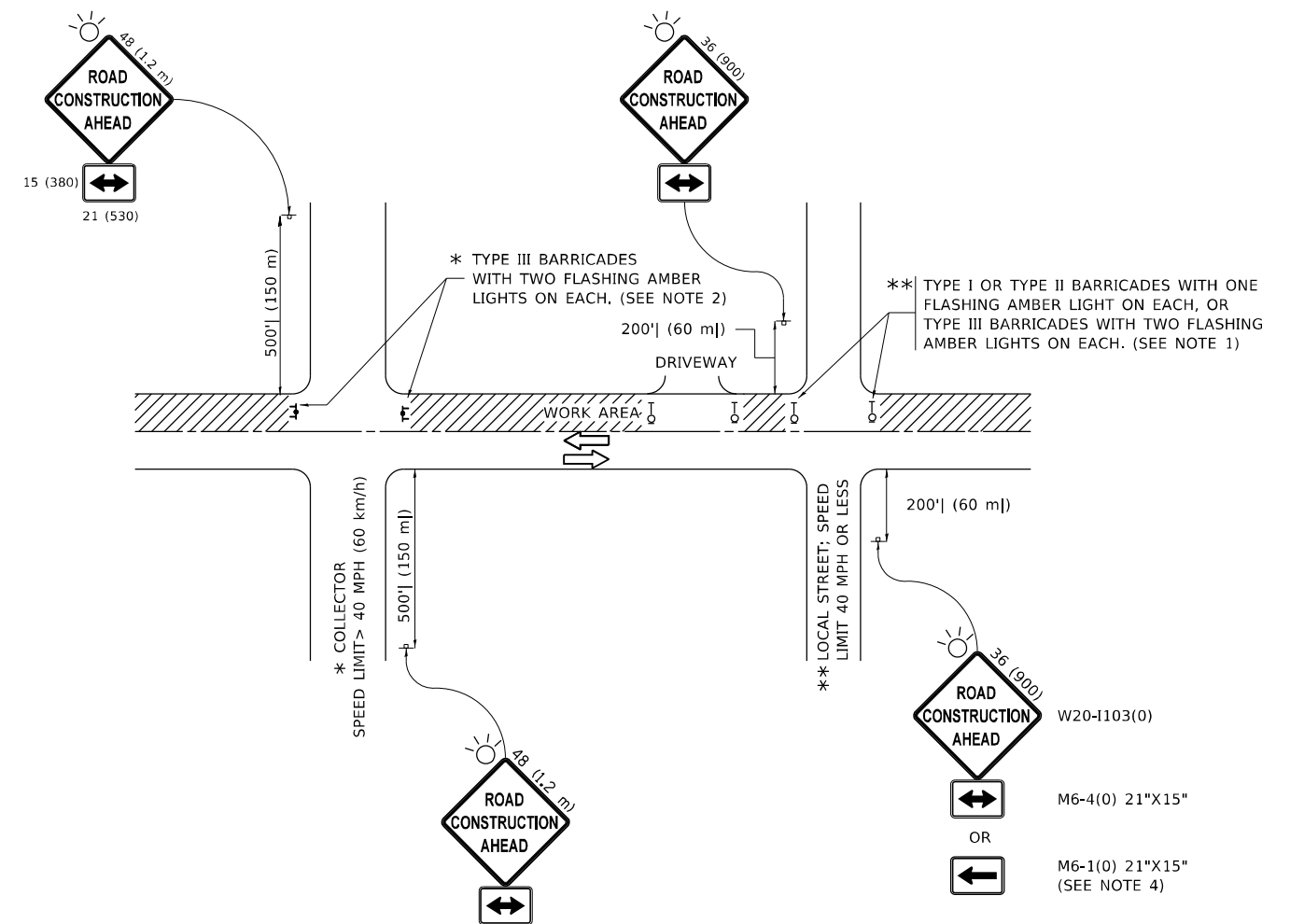
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PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/18/2021	DATE - 06-20-2017	REVISED -

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.
341	2020-102-R5	COOK	49	42
BD 58		CONTRACT NO. 62L80		
ILLINOIS FED. AID PROJECT				



NOTES:

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

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

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PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - T. RAMMACHER 01-06-00
PLOT DATE = 3/18/2021	DATE - 06-89	REVISED - A. SCHUETZE 07-01-13
		REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2020-102-R5	COOK	49	43
TC-10			CONTRACT NO. 62L80	
ILLINOIS FED. AID PROJECT				

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

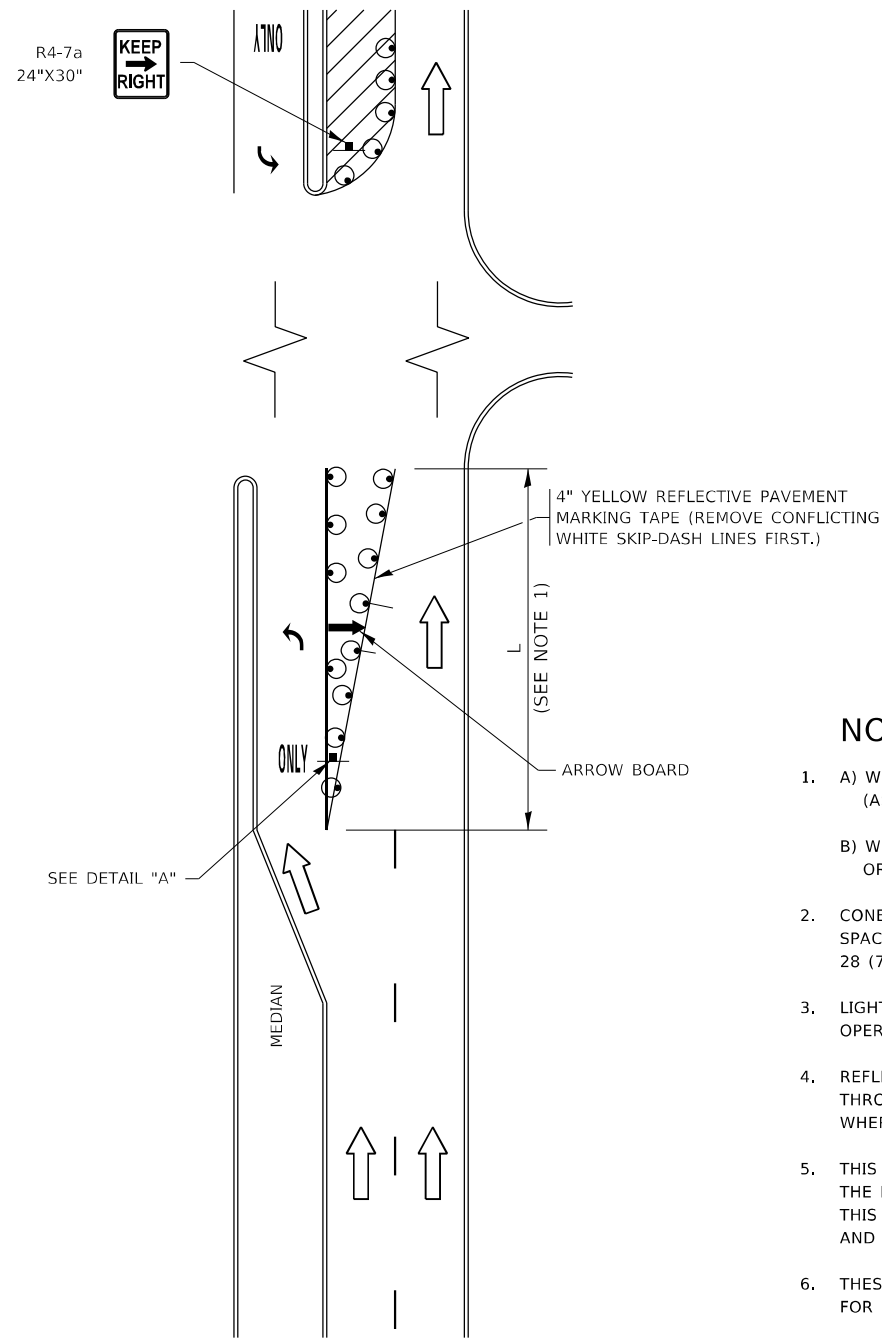


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

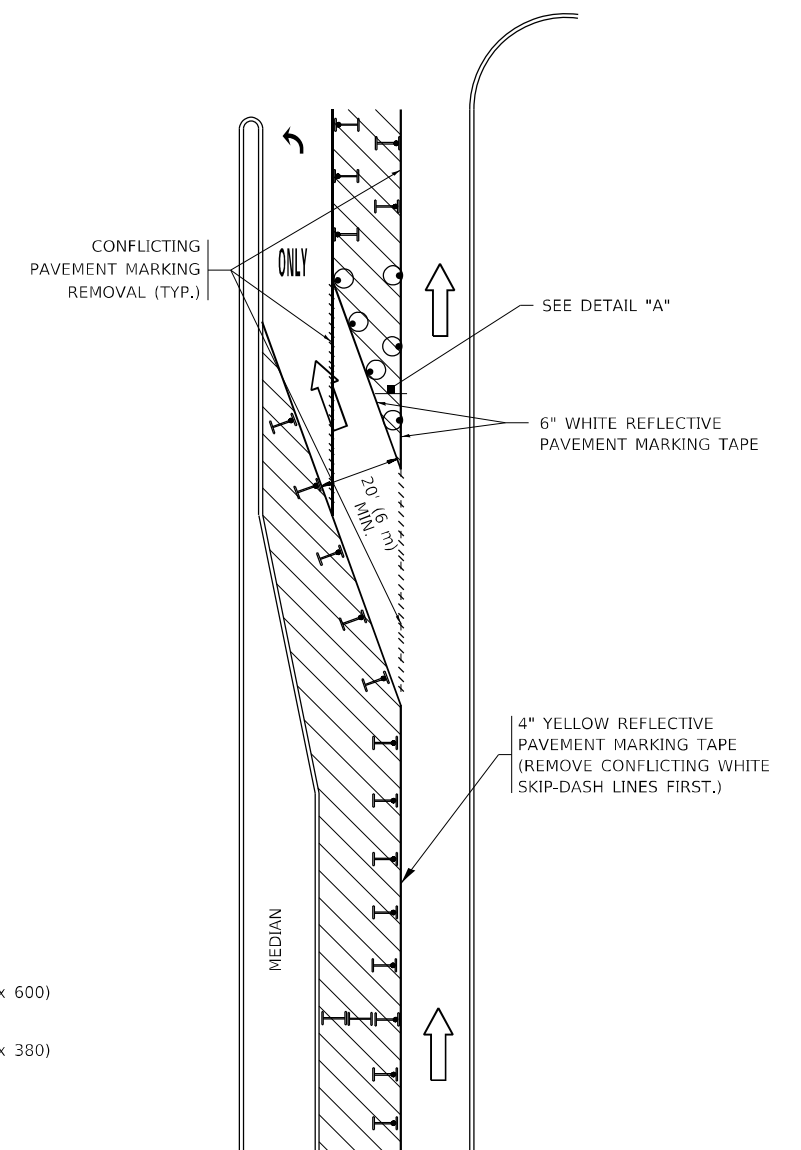
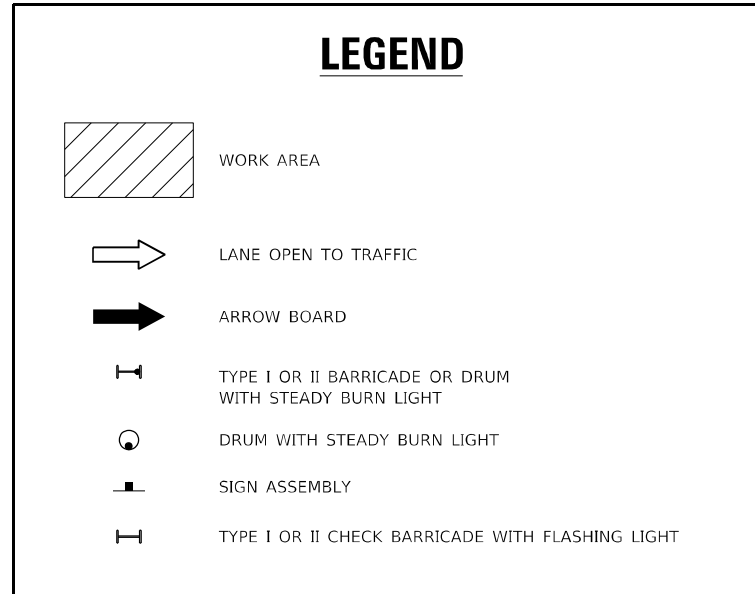
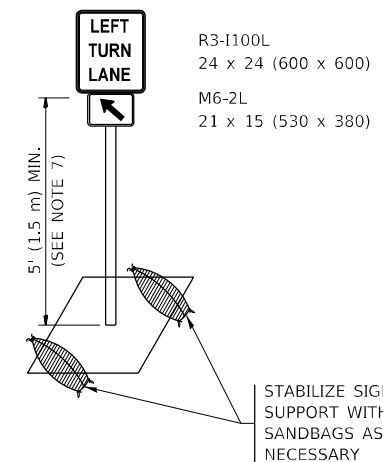


FIGURE 2



NOTES:

1. A) WHEN "L" IS \leq THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
B) WHEN "L" IS $>$ THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-1100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH 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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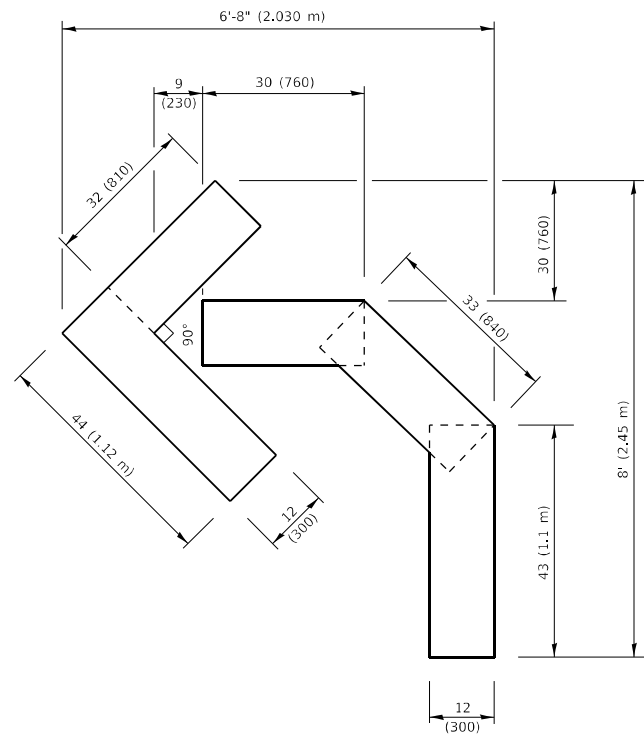
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	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13
PLOT SCALE = 100,0000' / in.	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 3/18/2021	DATE - T. RAMMACHER 01-06-00	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

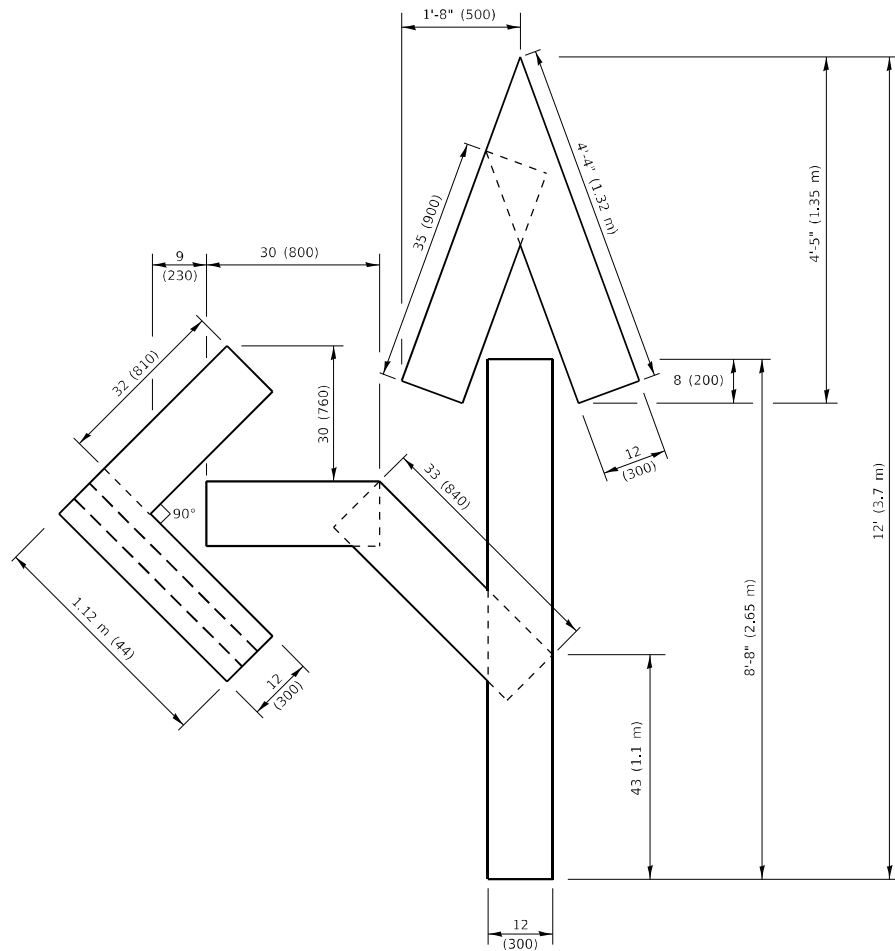
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2020-102-R5	COOK	49	44
TC-14		CONTRACT NO. 62L80		
ILLINOIS FED. AID PROJECT				



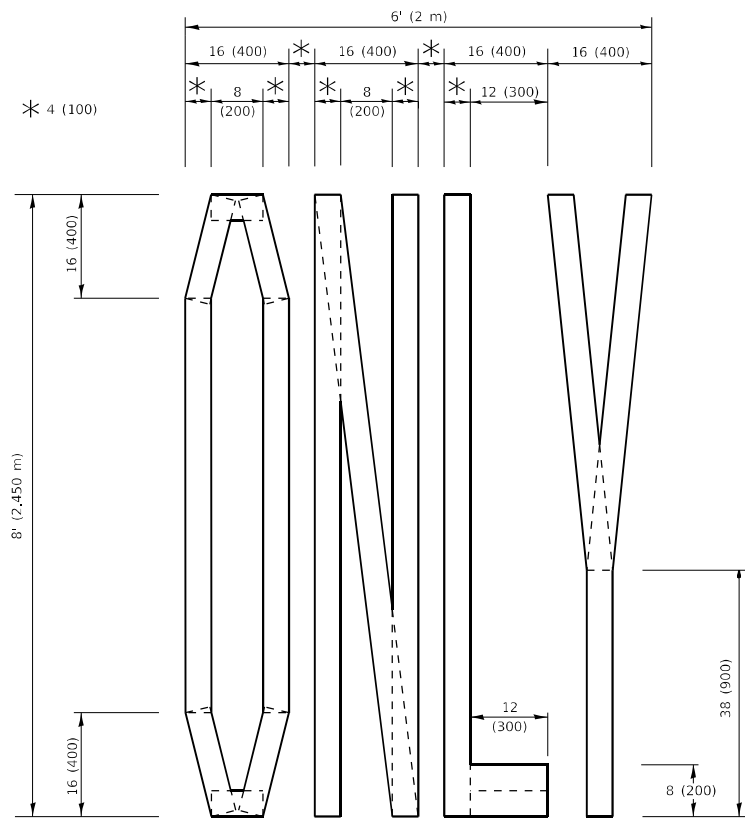
QUANTITY

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)

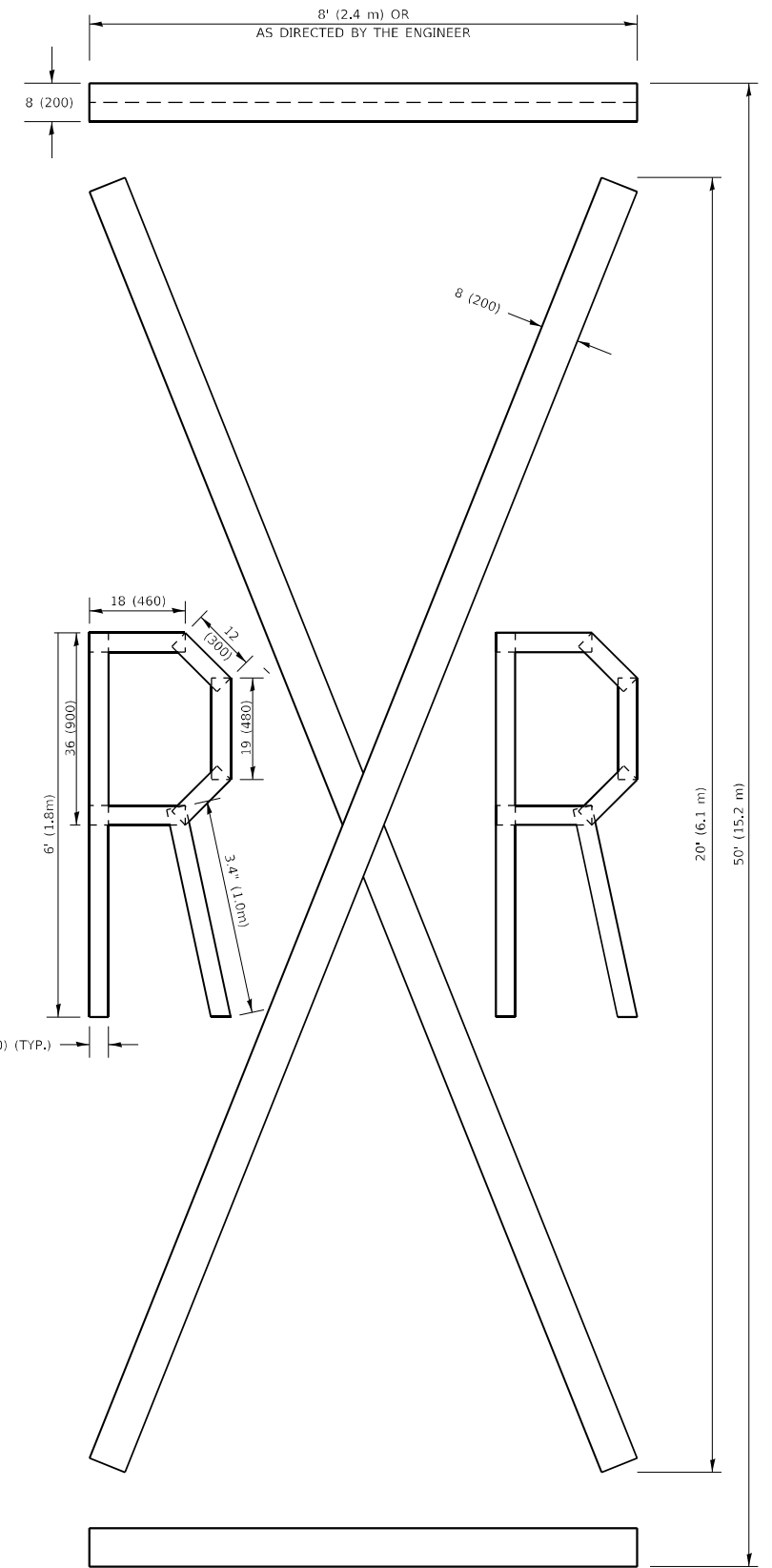


QUANTITY

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

NOTE:

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



QUANTITY

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

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

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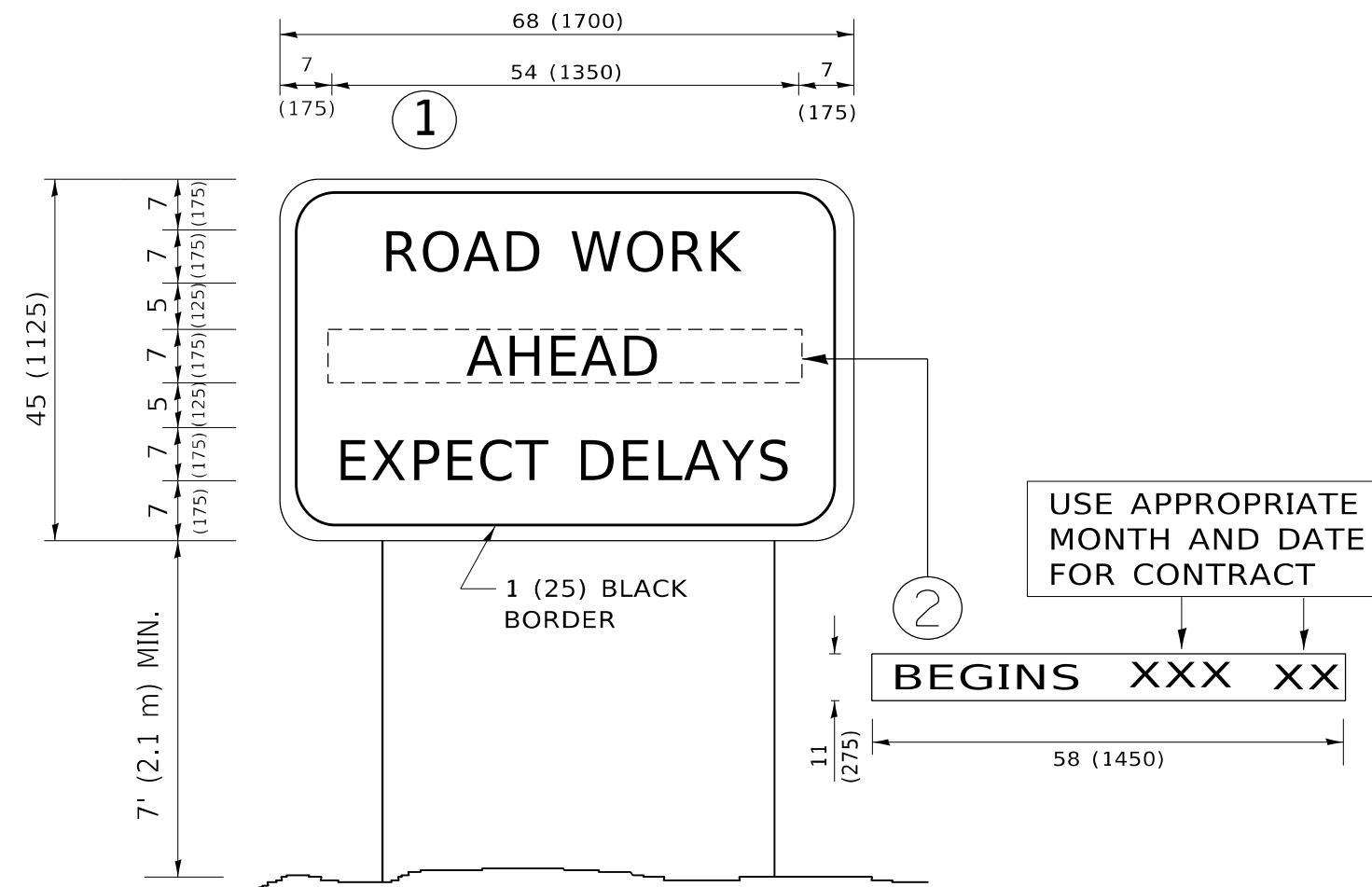
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PLOT DATE = 3/18/2021	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**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.
341	2020-102-R5	COOK	49	45
TC-16		CONTRACT NO. 62L80		
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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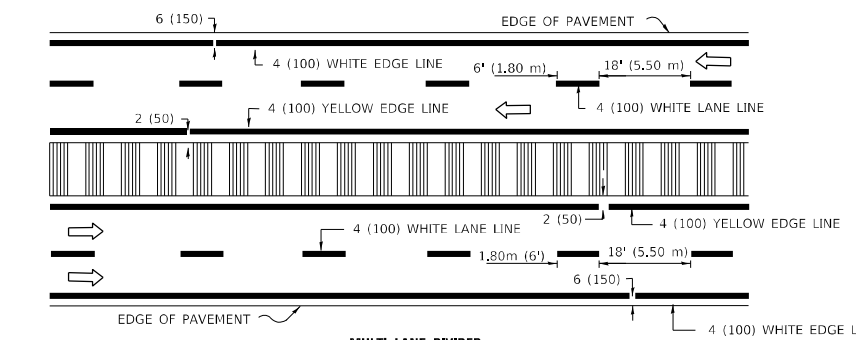
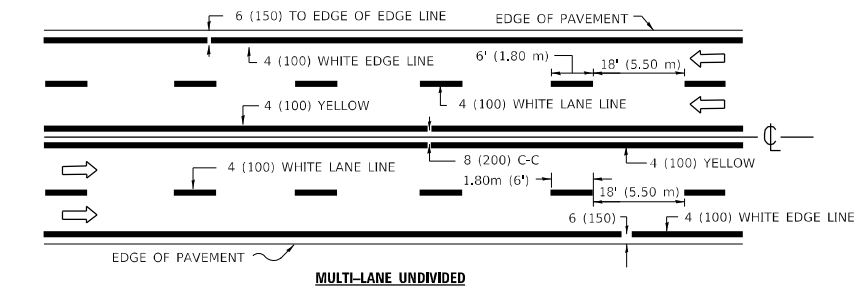
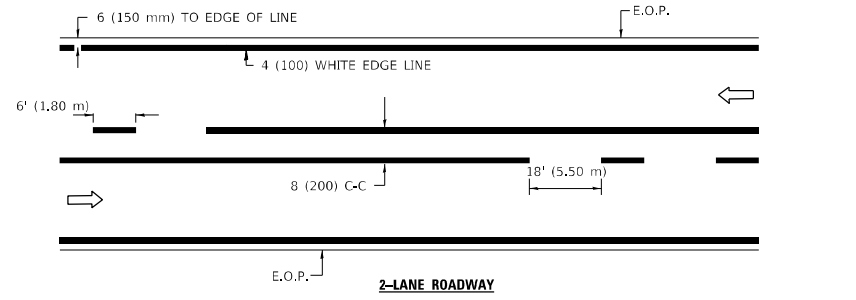
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	DRAWN -	REVISED - R. MIRS 12-11-97
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PLOT DATE = 3/18/2021	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

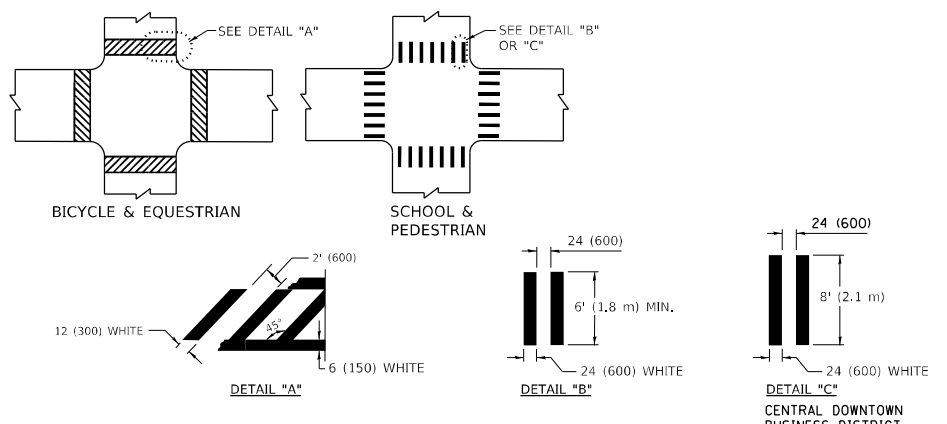
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2020-102-R5	COOK	49	46
TC-22			CONTRACT NO. 62L80	
ILLINOIS FED. AID PROJECT				

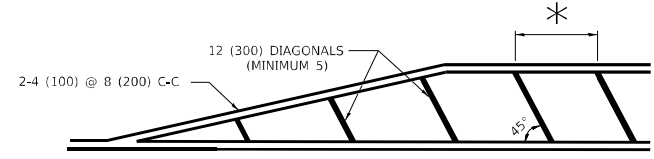


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING

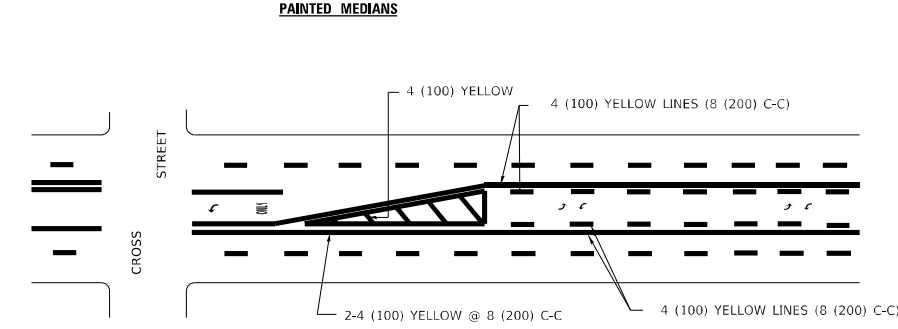


TYPICAL CROSSWALK MARKING

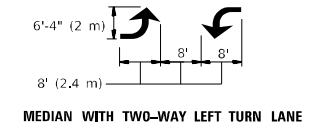


* FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

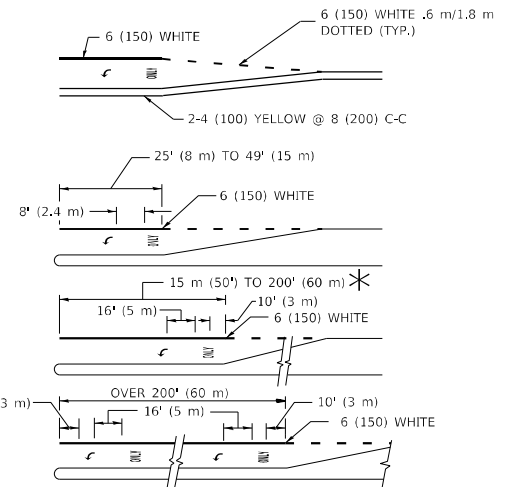
* DIAGONAL LINE SPACING: 20' (6.1 m) C-C



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



TYPICAL PAINTED MEDIAN MARKING

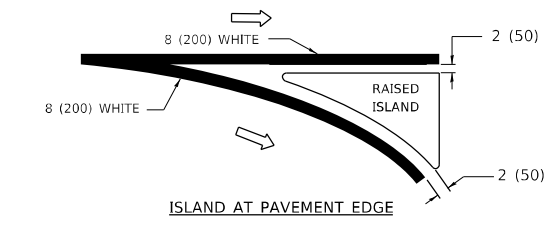
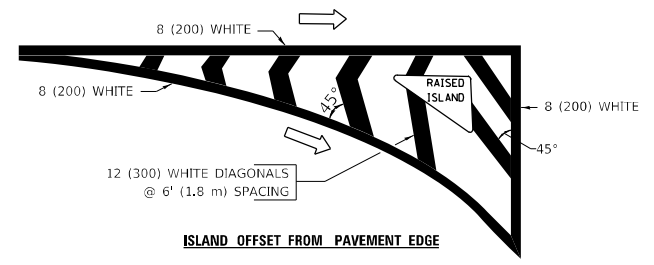


FULL SIZE LETTERS 8" (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.8 SQ. FT. (1.47 m²) ONLY AREA = 22.9 SQ. FT. (2.13 m²)

* 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.

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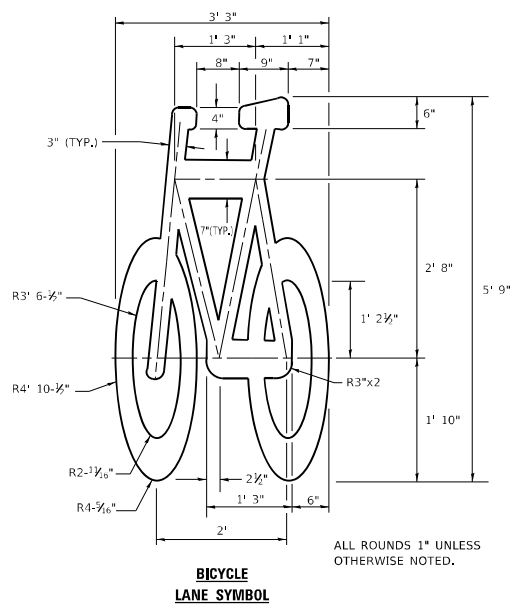
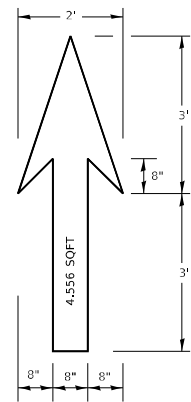
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CITY OF CHICAGO
TYPICAL PAVEMENT MARKINGS

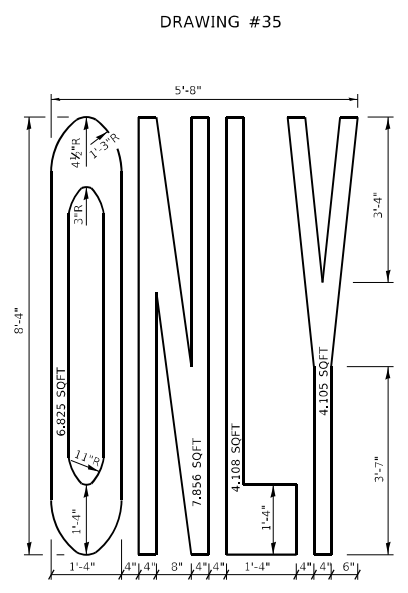
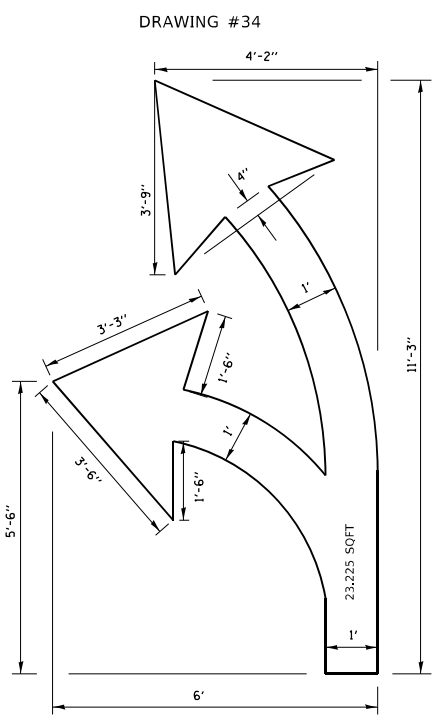
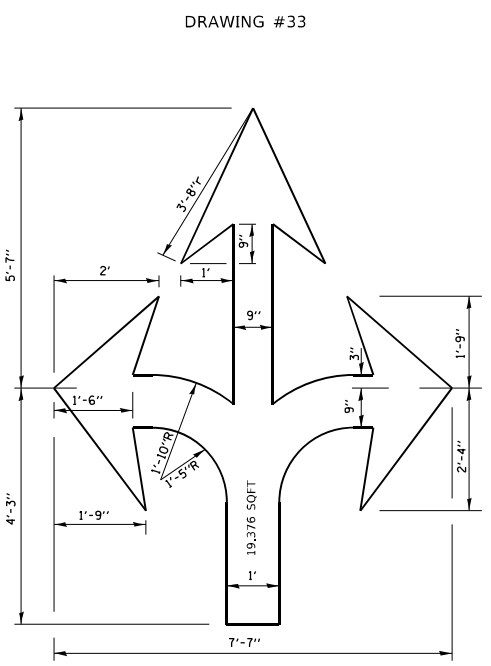
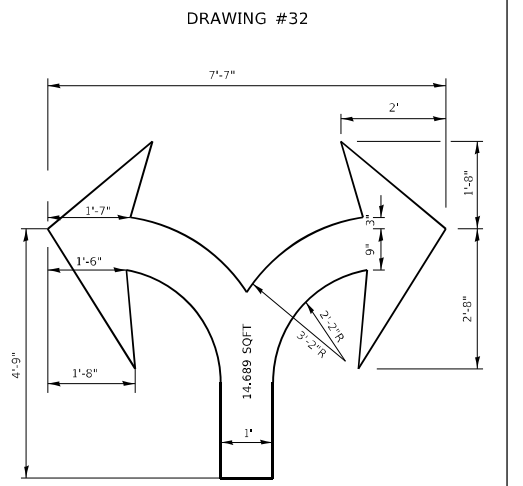
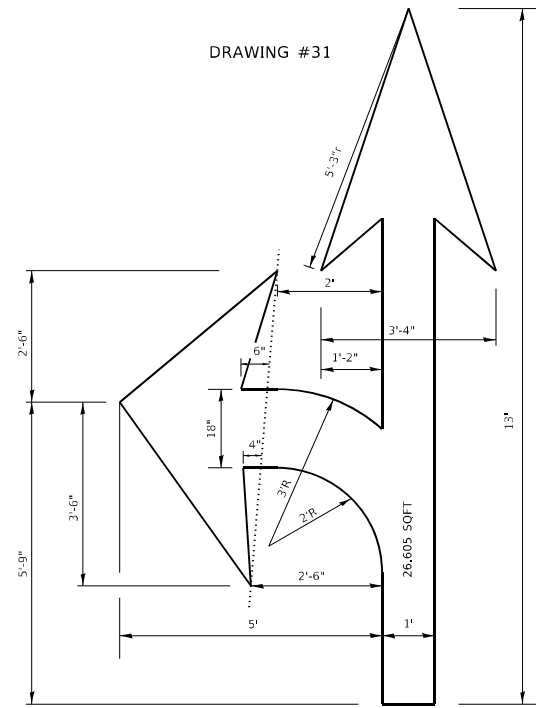
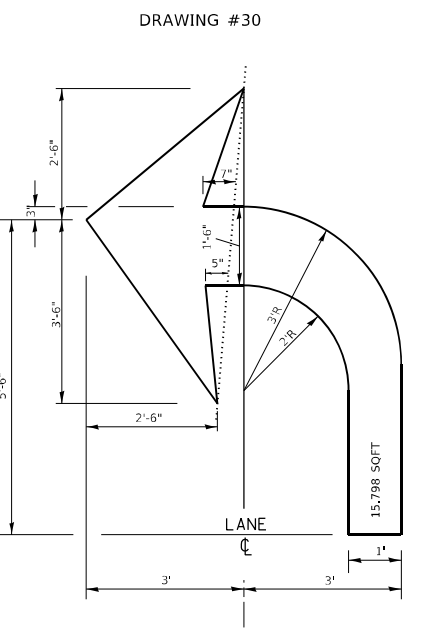
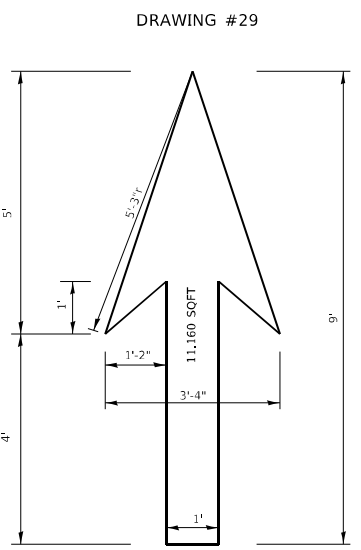
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2020-102-R5	COOK	49	47
TC-24		CONTRACT NO. 62L80		
ILLINOIS		FED. AID PROJECT		



- 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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	DATE -	REVISED -

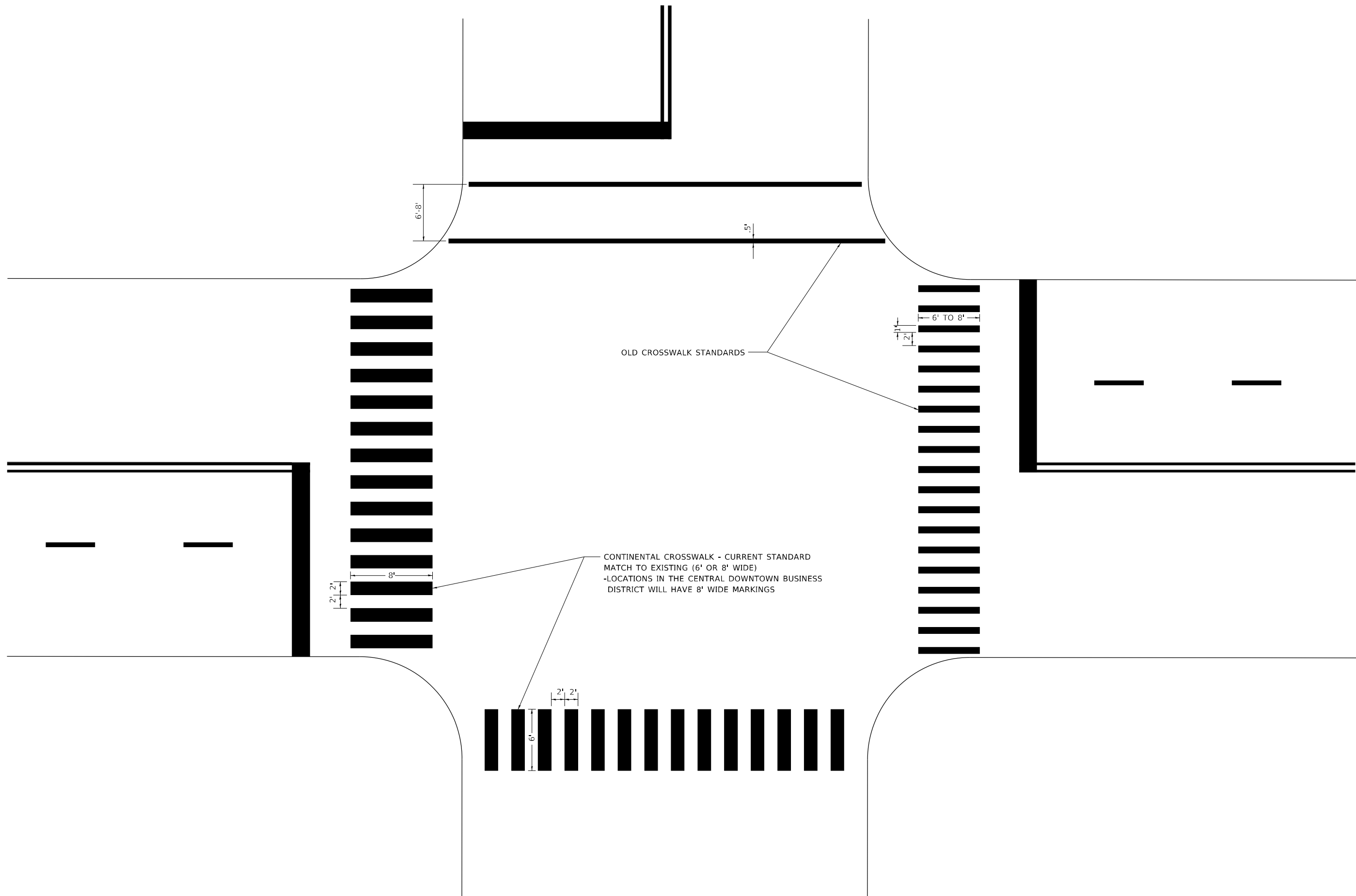
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CITY OF CHICAGO
TYPICAL PAVEMENT MARKINGS**

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-24		CONTRACT NO. 62L80		
ILLINOIS		FED. AID PROJECT		

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CITY OF CHICAGO
 TYPICAL PAVEMENT MARKINGS**

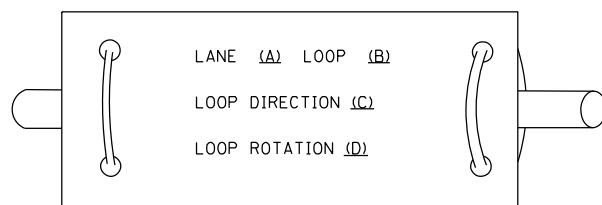
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-24		CONTRACT NO. 62L80		
ILLINOIS FED. AID PROJECT				

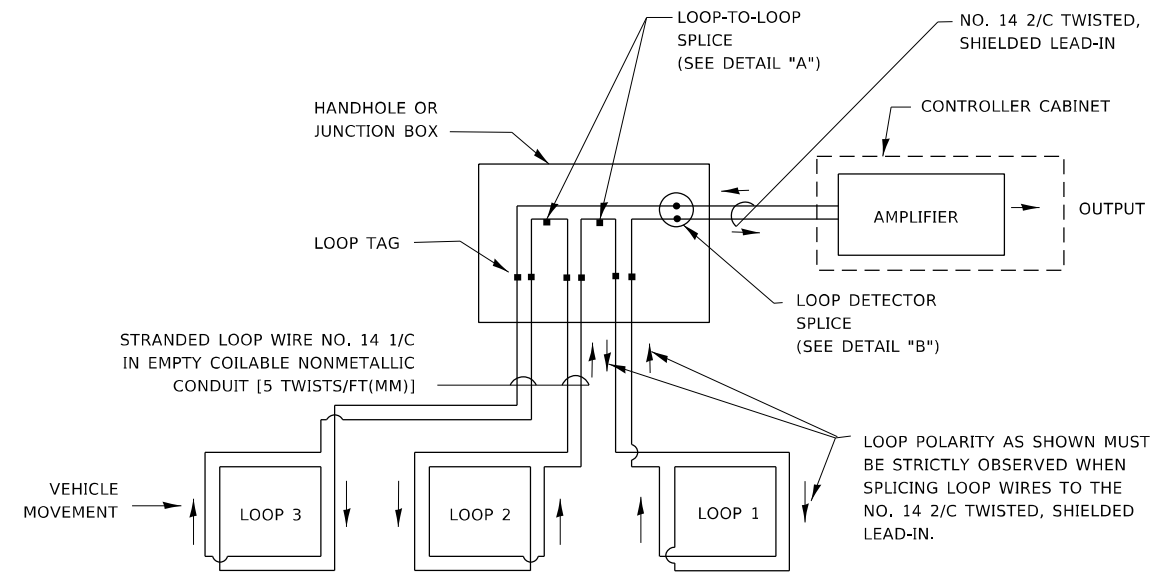
LOOP DETECTOR NOTES

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

LOOP LEAD-IN CABLE TAG

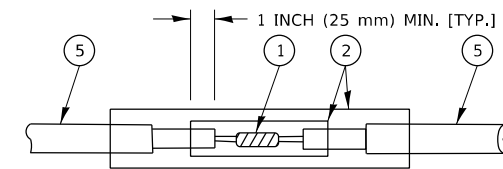


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

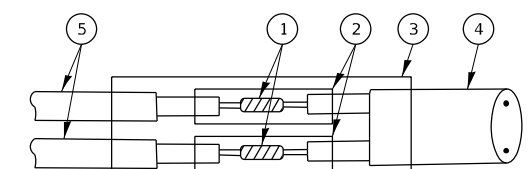


DETECTOR LOOP WIRING SCHEMATIC

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

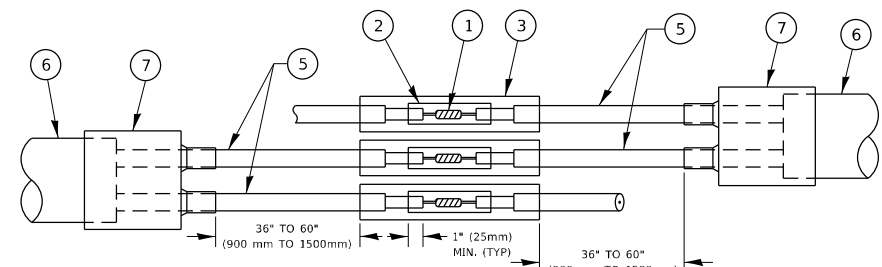


DETAIL "A"
LOOP-TO-LOOP SPLICE

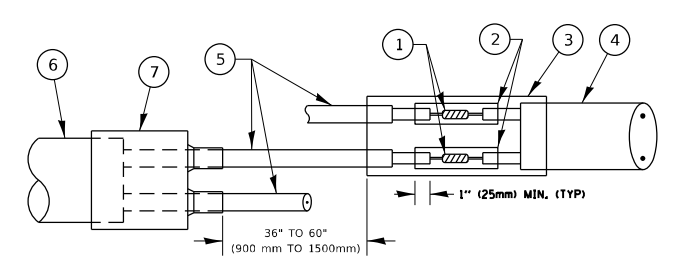


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PREFORMED LOOP

LOOP DETECTOR SPLICE

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

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

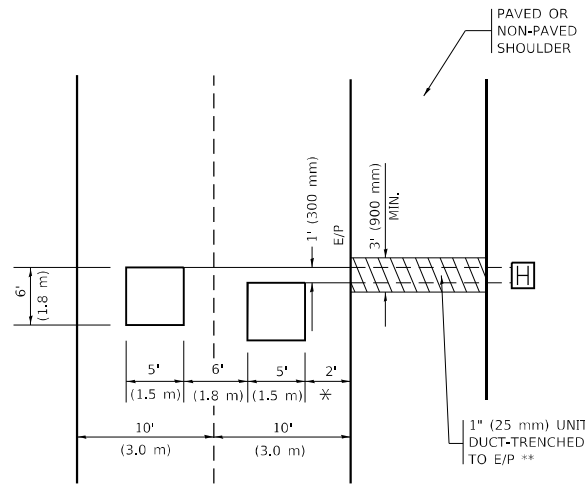
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2020-102-R5	COOK	49	49A
TS-05		CONTRACT NO. 62L80		
ILLINOIS FED. AID PROJECT				

LOOPS NEXT TO SHOULDERS

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



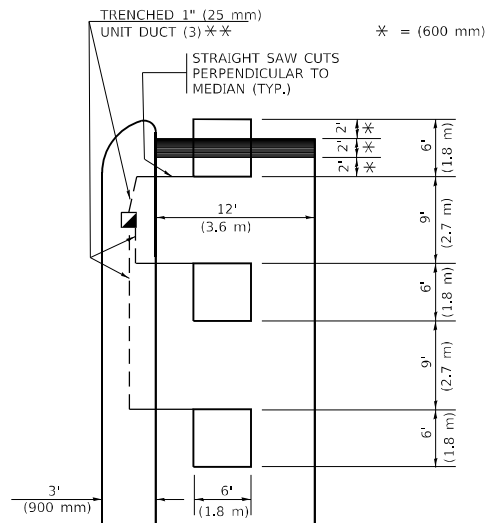
* = (600 mm)

** 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.



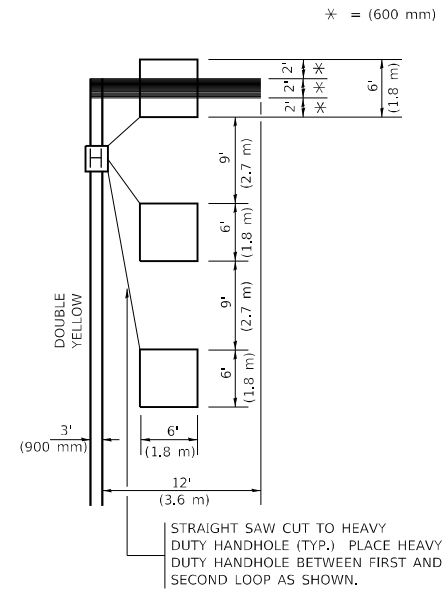
* = (600 mm)

** 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.

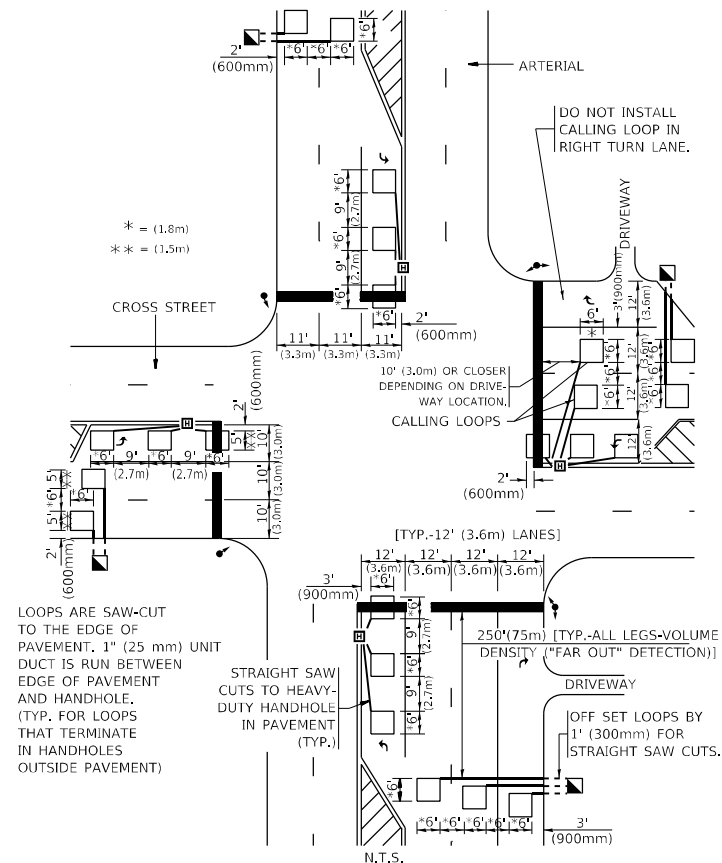
"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0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



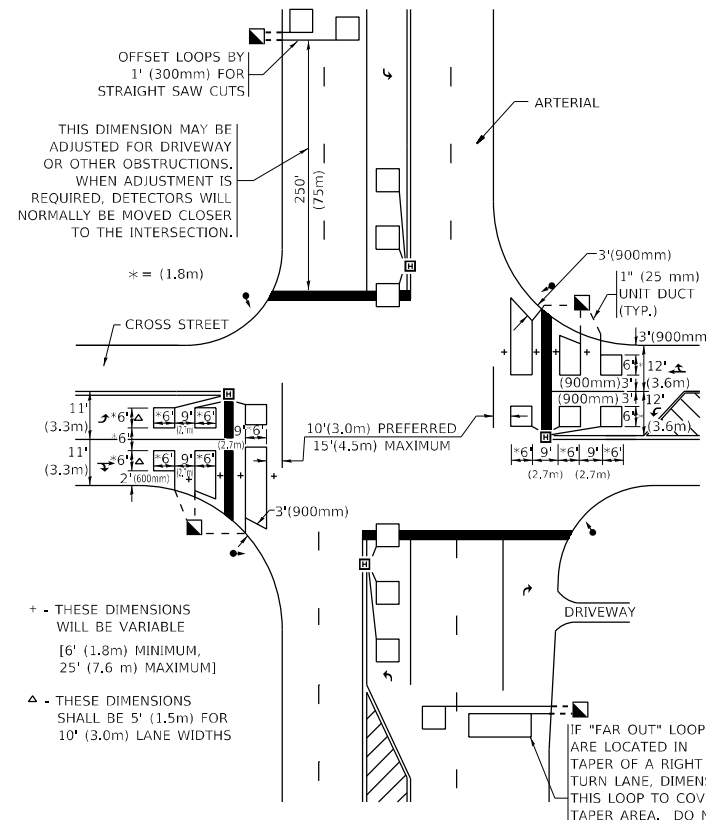
* = (1.8m)
** = (1.5m)

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)



OFFSET LOOPS BY 1' (300mm) FOR STRAIGHT SAW CUTS

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

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

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

DETAIL 2
N.T.S.

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PLOT DATE = 4/27/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT 1 - DETECTOR LOOP INSTALLATION		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DETAILS FOR ROADWAY RESURFACING		341	2020-102-R5	COOK	49	49B
SCALE: NONE		SHEET 1 OF 1 SHEETS		STA. TO STA.	CONTRACT NO. 62L80	
		ILLINOIS		FED. AID PROJECT		