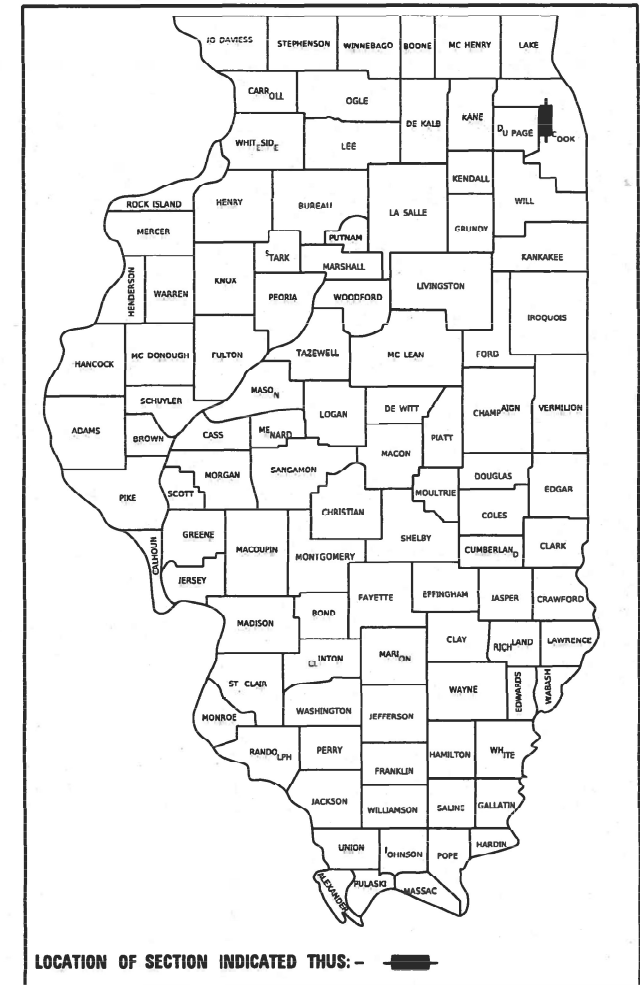


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F A U RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	2021-083-RS&SW	COOK	79	1
		ILLINOIS	CONTRACT NO. 62N99	

D-91-175-21



FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT LOCATED WITHIN  
THE VILLAGE OF FRANKLIN PARK  
THE VILLAGE OF RIVER GROVE  
THE VILLAGE OF ELMWOOD PARK

PROPOSED  
HIGHWAY PLANS

F.A.U. 1376 (GRAND AVENUE)  
ELM ST. TO EAST OF 77 CT. AND 74TH CT. TO IL 43 (HARLEM AVE.)  
SECTION: 2021-083-RS&SW  
PROJECT: STP- ADLE(906)  
STANDARD OVERLAY AND ADA IMPROVEMENTS  
COOK COUNTY

C-91-211-21

TRAFFIC DATA:

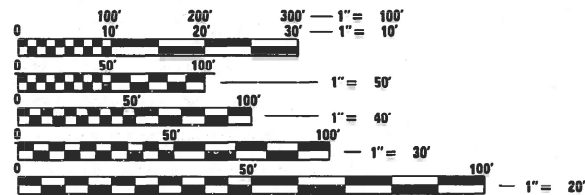
GRAND AVE  
2018 - ADT = 20,800 - 26,300  
SPEED LIMIT = 30 MPH

R 11 E | R 12 E | R 13 E

OMISSIONS  
STA. 29 + 35.00 TO STA. 33 + 28.77  
STA. 103 + 94.60 TO STA. 123 + 67.37

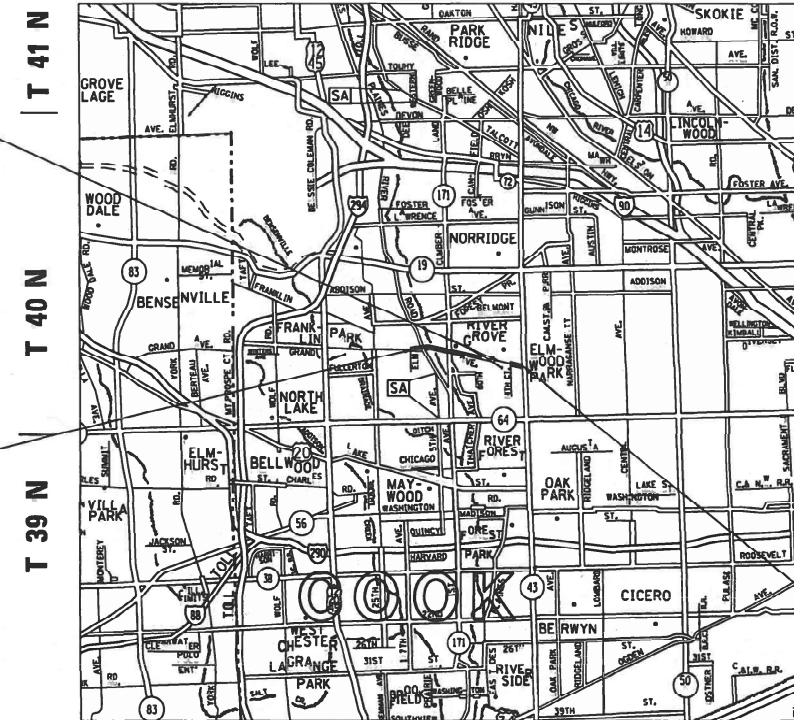
PROJECT BEGINS  
STA. 14 + 57.82

LOCATION MAP  
(NOT TO SCALE)



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

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



LEYDEN TOWNSHIP

PROJECT ENDS  
STA. 139 + 67.39

GROSS LENGTH = 12,510.11 FT. = 2.369 MILE  
NET LENGTH = 10,143.57 FT. = 1.921 MILE

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

CONTRACT NO. 62N99

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED January 31, 2022  
Joe Rio REGIONAL ENGINEER  
March 25, 2022  
[Signature] ENGINEER OF DESIGN AND ENVIRONMENT  
March 25, 2022  
Stephen M. Smith DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

**INDEX OF SHEETS**

**STATE STANDARDS**

**GENERAL NOTES**

SHEET NO.	DESCRIPTION
1	COVER SHEET
2-3	INDEX OF SHEETS AND GENERAL NOTES
4-7	SUMMARY OF QUANTITIES
8-9	EXISTING AND PROPOSED TYPICAL SECTIONS
10-14	ROADWAY AND PAVEMENT MARKING PLAN
15-17	DETECTOR LOOP REPLACEMENT PLAN
18-62	SIDEWALK DETAIL PLANS
63	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING (BD-8)
64	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22)
65	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT (BD-24)
66	BUTT JOINT AND HMA TAPER DETAILS (BD-32)
67	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)
68	TYPICAL APPLICATIONS - RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT) (TC-11)
69	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)
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71	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS (TC-16)
72	ARTERIAL ROAD INFORMATION SIGN (TC-22)
73	DRIVEWAY ENTRANCE SIGNING
74	STANDARD TRAFFIC SIGNAL DESIGN DETAILS (TS-05, SHEET 2 OF 7)
75	DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING (TS-07)
76	PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS (PD-02)
77	PROJECT DETAIL FOR DOUBLE PERPENDICULAR CURB RAMPS (PD-03)
78	PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS WITH TURNING SPACE (PD-04)
79	PROJECT DETAIL FOR DEPRESSED CORNER CURB RAMPS (PD-05)

STANDARD NO.	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424011-04	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424016-05	MID-BLOCK CURB RAMPS FOR SIDEWALKS
424021-06	DEPRESSED CORNER FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
604001-05	FRAME AND LIDS, TYPE 1
604051-04	FRAME AND LIDS, TYPE 11
604056-04	FRAME AND LIDS, TYPE 11V
604091-05	FRAME AND GRATE, TYPE 24
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS <= 40 MPH
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
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
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
886001-01	DETECTOR LOOP INSTALATIONS

- BEFORE STARTING ANY EXCAVATION THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. 48 HOUR NOTIFICATION IS REQUIRED.
- 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 TRANSITION SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, AND THE VILLAGES OF FRANKLIN PARK, RIVER GROVE AND ELMWOOD PARK..
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- SIDEWALK RAMPS MODIFICTIONS WITHIN THE LIMITS OF THE PROJECT SHALL CONFORM TO THE APPLICABLE HIGHWAY STANDARDS INCLUDED IN THE PLANS.
- ANY PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS OBLITERATED BY MILLING AND RESURFACING OPERATION ON SIDE STREETS AND ENTRANCES SHALL BE REPLACED AND PAID FOR IN KIND.
- ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
- ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- LOCATIONS OF COMBINATIONS CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- 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.
- SIDEWALK REMOVAL AND P.C.C. SIDEWALK 5" LOCATIONS SHALL BE DETERMINED BY THE ENGINEER.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING OF WORK.
- THE ENGINEER SHALL CONTACT Emad ALHusseini, AREA ARTERIALTRAFFIC FIELD ENGINEER, AT emad.ALHusseini@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- 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.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- DOUBLE LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL "TYPICAL APPLICATIONS - RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" SHOWN IN THE PLANS.
- PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
- WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES (40mm) WHERE THE SPEED LIMIT IS 40 MPH (80 Km/h) OR LESS. AND 1 INCH (25mm) WHERE SPEED LIMIT IS GREATER THAN 40 MPH (80Km/h). 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 OF 1:3 (V:H) OR A NOTCHED LONGITUDINAL WEDGE IS USED..
- BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT AND HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES  
GRAND AVE (ELM ST TO EO 77TH CT AND 74TH CT TO IL 43)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	2021-083-R5&SW	COOK	79	2
CONTRACT NO. 62N99				
ILLINOIS		FED. AID PROJECT		

GENERAL NOTES (CONT):

- 24. 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 FOR IN THE CONTRACT SPECIFICATIONS.
- 25. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES DURING CONSTRUCTION.
- 26. THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ANY OR ALL EXISTING ITEMS WHICH WILL NOT BE REMOVED. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED AND/OR REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.
- 27. ALL MILLED SURFACES SHALL BE AT A UNIFORM CROSS SLOPE PER LANE AND FREE OF RIDGES BETWEEN PASSES. ANY DEVIATIONS SHALL BE CORRECTED AT NO COST TO THE DEPARTMENT.

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES  
GRAND AVE (ELM ST TO E/O 77TH CT AND 74TH CT TO IL 43)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	2021-083-R5&SW	COOK	79	3
			CONTRACT NO. 62N99	
		ILLINOIS	FED. AID PROJECT	

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		80% FED 20% STATE 0005	100% STATE 0005				
20200100	EARTH EXCAVATION	CU YD	240	240					
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	478	478					
25200110	SODDING, SALT TOLERANT	SO YD	478	478					
25200200	SUPPLEMENTAL WATERING	UNIT	4.8	4.8					
31101400	SUBBASE GRANULAR MATERIAL, TYPE B 6"	SO YD	20	20					
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	37244	37244					
40600370	LONGITUDINAL JOINT SEALANT	FOOT	30490	30490					
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	83	83					
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	1257	1257					
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	648	648					
40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	2276	2276					
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	110	110					
	* SPECIALTY ITEMS								

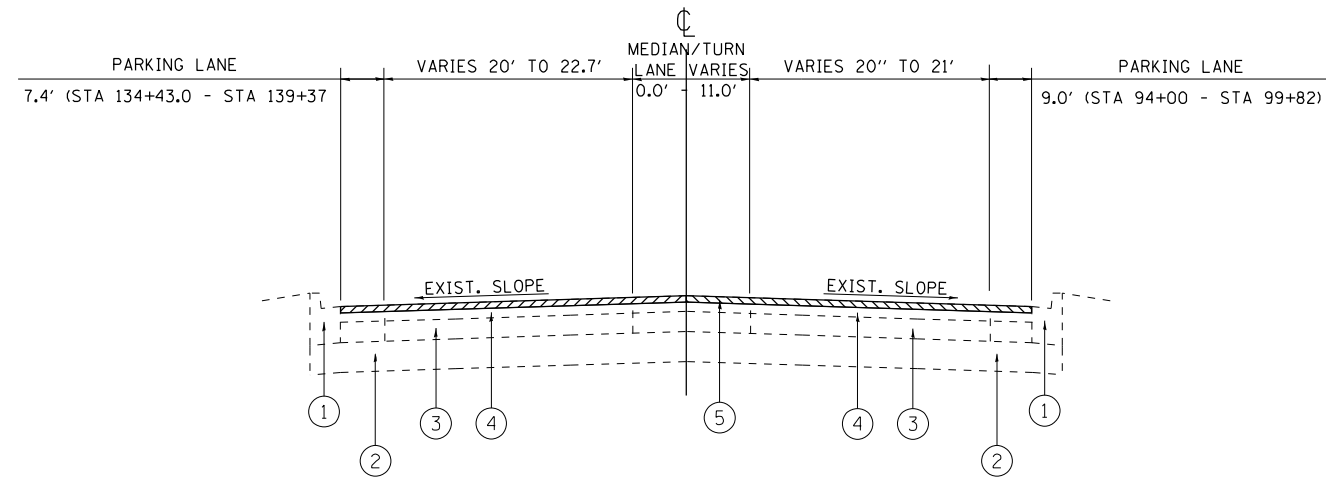
SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		80% FED 20% STATE 0005	100% STATE 0005				
40604172	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70	TON	5408	5408					
42001300	PROTECTIVE COAT	SO YD	5286	5286					
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SO YD	565	565					
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	18702	18702					
42400800	DETECTABLE WARNINGS	SO FT	1416	1416					
44000100	PAVEMENT REMOVAL	SO YD	966	966					
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SO YD	52746	52746					
44000200	DRIVEWAY PAVEMENT REMOVAL	SO YD	565	565					
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	3644	3644					
44000600	SIDEWALK REMOVAL	SO FT	18784	18784					
44002216	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 4"	SO YD	2892	2892					
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SO YD	1365	1365					
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SO YD	559	559					

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		80% FED 20% STATE 0005	100% STATE 0005				
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	590	590					
60250200	CATCH BASINS TO BE ADJUSTED	EACH	7	7					
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	9	9					
60255500	MANHOLES TO BE ADJUSTED	EACH	1	1					
60257900	MANHOLES TO BE RECONSTRUCTED	EACH	8	8					
60260100	INLETS TO BE ADJUSTED	EACH	1	1					
60262700	INLETS TO BE RECONSTRUCTED	EACH	11	11					
60266600	VALVE BOXES TO BE ADJUSTED	EACH	8	8					
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	10	10					
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	69	69					
60404800	FRAMES AND GRATES, TYPE 11	EACH	3	3					
60404805	FRAMES AND GRATES, TYPE 11V	EACH	3	3					
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	14	14					
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	71	71					
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	3644	3644					
	* SPECIALTY ITEMS								

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		80% FED 20% STATE 0005	100% STATE 0005				
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	240	240					
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	8	8					
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	1					
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	1					
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	40	40					
67100100	MOBILIZATION	L SUM	1	1					
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1					
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1					
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	25774	25774					

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE					SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE						
CODE NO	ITEM	UNIT	TOTAL QUANTITIES URBAN	80% FED 20% STATE 0005	100% STATE 0005					CODE NO	ITEM	UNIT	TOTAL QUANTITIES URBAN	80% FED 20% STATE 0005	100% STATE 0005				
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	19593	19593						* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE	FOOT	3481	3481					
											6"								
70300211	TEMPORARY PAVEMENT MARKING LETTERS AND	SO FT	655	655						* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE	FOOT	2911	2911					
	SYMBOLS - PAINT										12"								
70300221	TEMPORARY PAVEMENT MARKING - LINE 4" -	FOOT	24456	24456						* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE	FOOT	919	919					
	PAINT										24"								
70300241	TEMPORARY PAVEMENT MARKING - LINE 6" -	FOOT	3481	3481						* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	746	746					
	PAINT																		
70300261	TEMPORARY PAVEMENT MARKING - LINE 12" -	FOOT	2911	2911						78300200	RAISED REFLECTIVE PAVEMENT MARKER	EACH	630	630					
	PAINT										REMOVAL								
70300281	TEMPORARY PAVEMENT MARKING - LINE 24" -	FOOT	919	919						78300202	PAVEMENT MARKING REMOVAL - WATER	SO FT	429	429					
	PAINT										BLASTING								
70306120	TEMPORARY PAVEMENT MARKING - LINE 4" -	FOOT	6444	6444						* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	1553	1553					
	TYPE III TAPE									* 89502376	REBUILD EXISTING HANDHOLE	EACH	11	11					
* 72000100	SIGN PANEL - TYPE 1	SO FT	33	33															
										X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1					
* 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	51	51															
										X0327611	REMOVE AND REINSTALL BRICK PAVER	SO FT	5500	5500					
* 78000100	THERMOPLASTIC PAVEMENT MARKING -	SO FT	655	655						X4400501	COMBINATION CONCRETE CURB AND GUTTER	FOOT	200	200					
	LETTERS AND SYMBOLS										REMOVAL OR REPLACEMENT LESS THAN OR								
											EQUAL TO 10 FEET								
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE	FOOT	24456	24456						X4401198	HOT-MIX ASPHALT SURFACE REMOVAL,	SO YD	2429	2429					
	4"										VARIABLE DEPTH								
	* SPECIALTY ITEMS																		

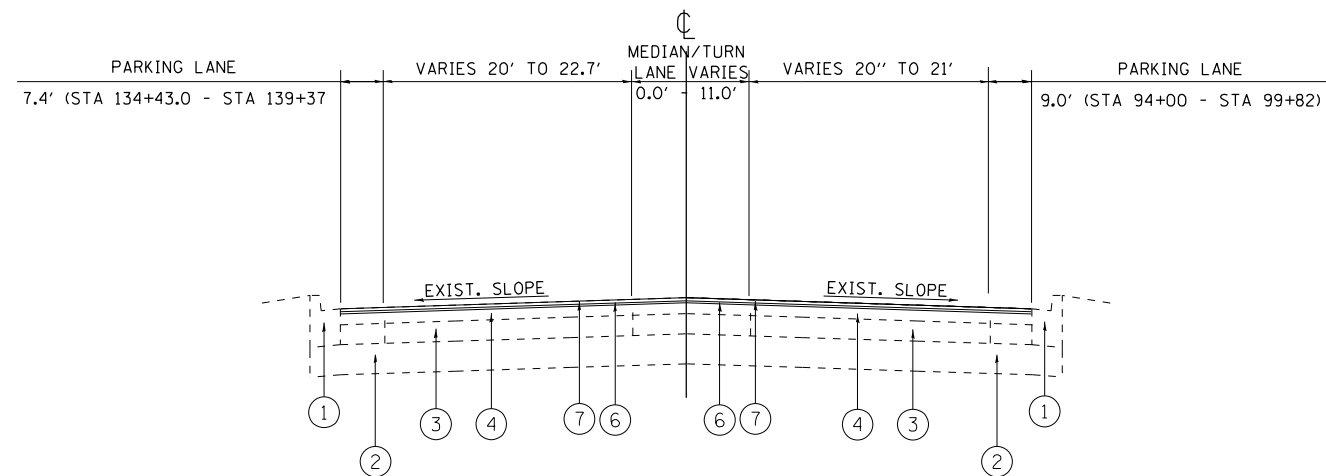




**GRAND AVENUE  
EXISTING TYPICAL SECTION**

STA. 14+57.82 TO STA. 29+35.00  
 \* STA 33+28.77 TO STA 103+94.60  
 STA 123+67.37 TO STA 141+58.79

\* SEE NEXT TYPICAL SECTIONS SHEET FOR THE DETAILS AND LOCATIONS OF THE VARIABLE MILL AT THE EDGE AND HMA WHICH IS INCLUDED WITHIN THESE STATIONS



**GRAND AVENUE  
PROPOSED TYPICAL SECTION**

STA. 14+57.82 TO STA. 29+35.00  
 \* STA 33+28.77 TO STA 103+94.60  
 STA 123+67.37 TO STA 141+58.79

**LEGEND:**

- ① EXISTING COMB. CONC. CURB AND GUTTER, TYPE B-6.12
- ② EXISTING AGGREGATE BASE COURSE
- ③ EXISTING PCC PAVEMENT, ± 10"
- ④ EXISTING HMA PAVEMENT, ± 4" (BEFORE SURFACE REMOVAL)
- ⑤ PROPOSED HMA SURFACE REMOVAL, 2 1/2 "
- ⑥ PROPOSED POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 3/4"
- ⑦ PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX "E", IL-9.5, N70, 1 3/4"
- ⑧ HMA SURFACE REMOVAL, VARIABLE DEPTH
- ⑨ COMBINATION CURB AND GUTTER REMOVAL
- ⑩ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12

**NOTES:**

- 1. THE CONTRACTOR SHALL PATCH BEFORE MILLING

HOT-MIX ASPHALT MIXTURE REQUIREMENTS			
MIXTURE USES	MIXTURE TYPE	AIR VOIDS @ Ndes	QUALITY MANAGEMENT PROGRAM (QMP)
PAVEMENT RESURFACING	POLYMERIZED HMA SURFACE COURSE, MIX "E", IL-9.5, N70	4.0% @ 70 GYR.	QCP
	POLYMERIZED HMA BINDER COURSE, IL-4.75, N50	3.5% @ 50 GYR.	QCP
PATCHING	CLASS D PATCHES (HMA BINDER IL-19 mm)	4% @ 70 GYR	QC/OA
	HMA REPLACEMENT OVER PATCHES (HMA BINDER IL-19 mm)	4% @ 70 GYR	QC/OA
HMA ADJACENT TO THE PROP. ADA SIDEWALK AND BEHIND THE CURB ON THE MAINLINE (VARIOUS LOCATIONS TO BE DETERMINED BY THE RE AS NEEDED)	HMA SURFACE COURSE, MIX "D", IL-9.5, N50	4.0% @ 50 GYR.	QC/OA

QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/OA); QUALITY CONTROL FOR PERFORMANCE (QCP); PAY FOR PERFORMANCE (PFP)

NOTE 1: THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

NOTE 2: THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76 -22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64 -22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.

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PLOT DATE = 2/7/2022	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED TYPICAL SECTIONS  
GRAND AVE (ELM ST TO E/O 77TH CT AND 74TH CT TO IL 43)**

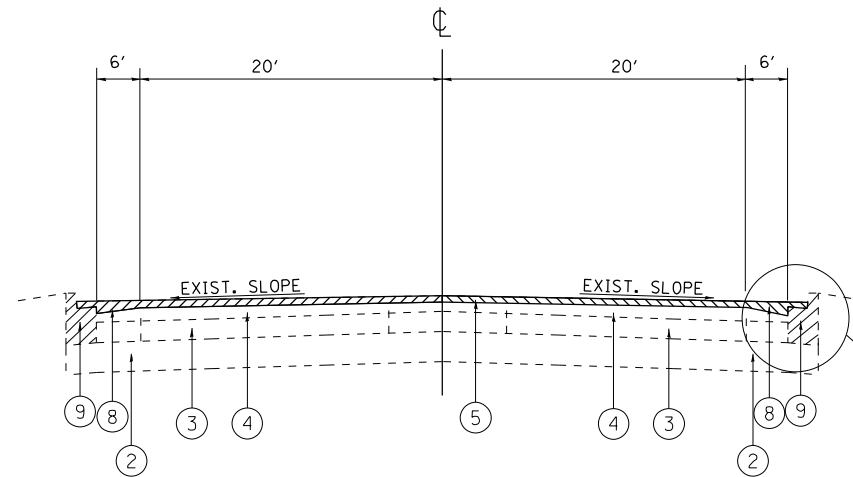
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	2021-083-R5&SW	COOK	79	8
CONTRACT NO. 62N99				
ILLINOIS		FED. AID PROJECT		



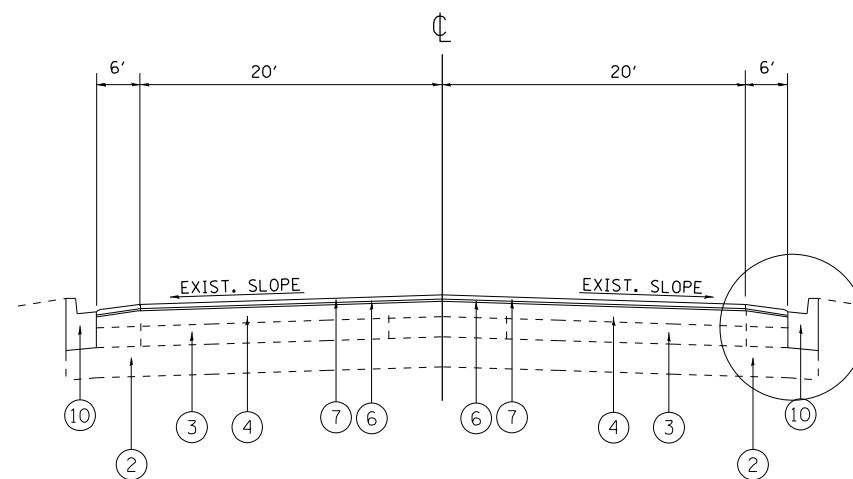
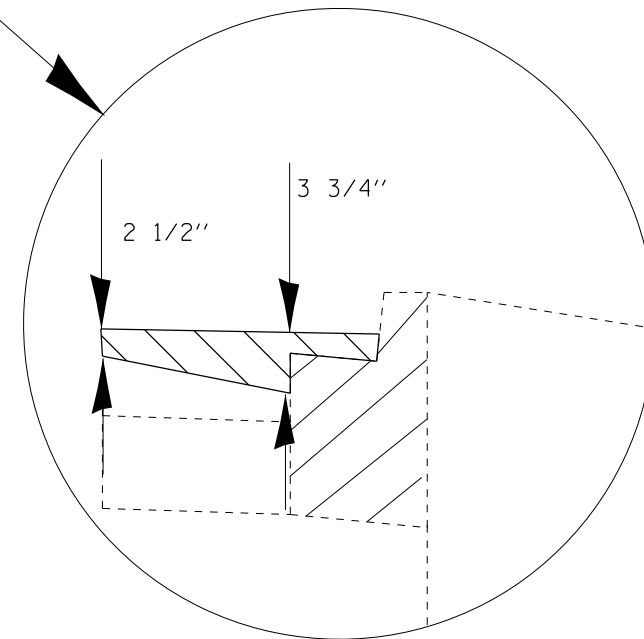
**LEGEND:**

- ① EXISTING COMB. CONC. CURB AND GUTTER, TYPE B-6.12
- ② EXISTING AGGREGATE BASE COURSE
- ③ EXISTING PCC PAVEMENT, ± 10"
- ④ EXISTING HMA PAVEMENT, ± 4" (BEFORE SURFACE REMOVAL)
- ⑤ PROPOSED HMA SURFACE REMOVAL, 2 1/2 "
- ⑥ PROPOSED POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 3/4"
- ⑦ PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX "E", IL-9.5, N70, 1 3/4"
- ⑧ HMA SURFACE REMOVAL, VARIABLE DEPTH
- ⑨ COMBINATION CURB AND GUTTER REMOVAL
- ⑩ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12



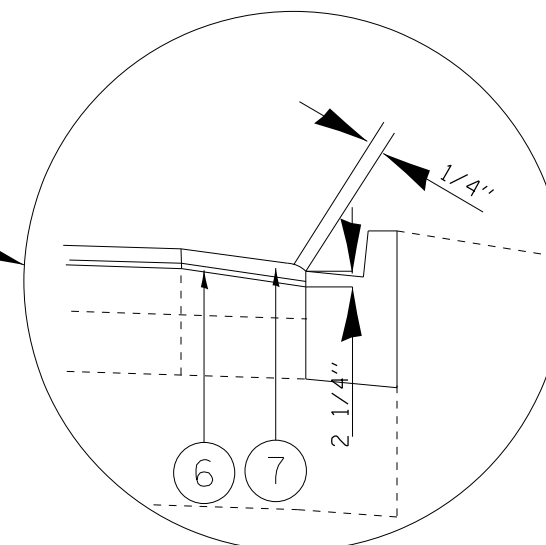
**GRAND AVENUE  
EXISTING TYPICAL SECTION**

STA. 79+77.00 LT TO STA. 103+94.60 LT  
 STA. 79+94.00 RT TO STA. 86+13.00 RT  
 STA. 89+29.00 RT TO STA. 93+33.00 RT  
 STA. 100+51.00 RT TO STA. 103+32.00 RT



**GRAND AVENUE  
PROPOSED TYPICAL SECTION**

STA. 79+77.00 LT TO STA. 103+94.60 LT  
 STA. 79+94.00 RT TO STA. 86+13.00 RT  
 STA. 89+29.00 RT TO STA. 93+33.00 RT  
 STA. 100+51.00 RT TO STA. 103+32.00 RT



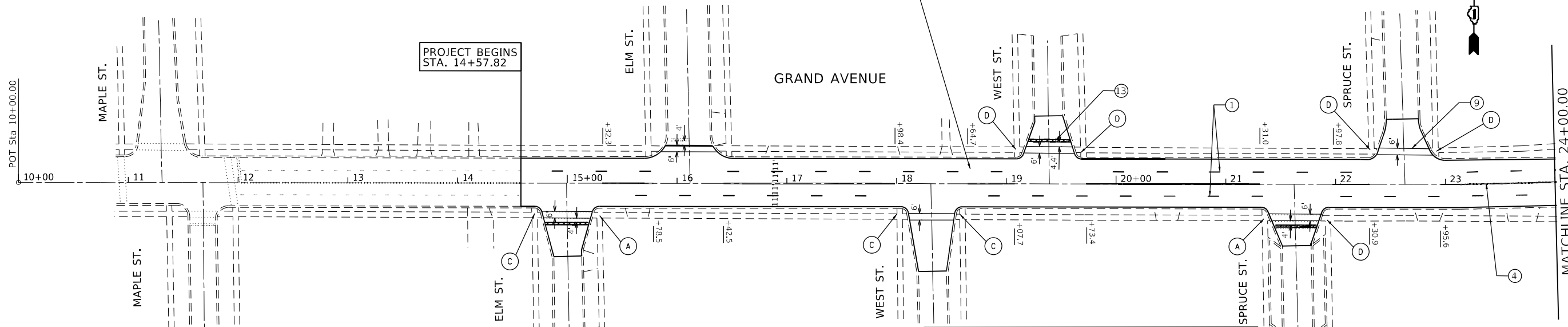
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED TYPICAL SECTIONS  
GRAND AVE (ELM ST TO E/O 77TH CT AND 74TH CT TO IL 43)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	2021-083-R5&SW	COOK	79	9
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N99	

PROPOSED HMA SURFACE REMOVAL, 2 1/2"  
 PROPOSED POLYMERIZED HMA BINDER COURSE, IL 4.75, N50, 3/4"  
 PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX "E", IL-9.5, N70, 1 3/4"

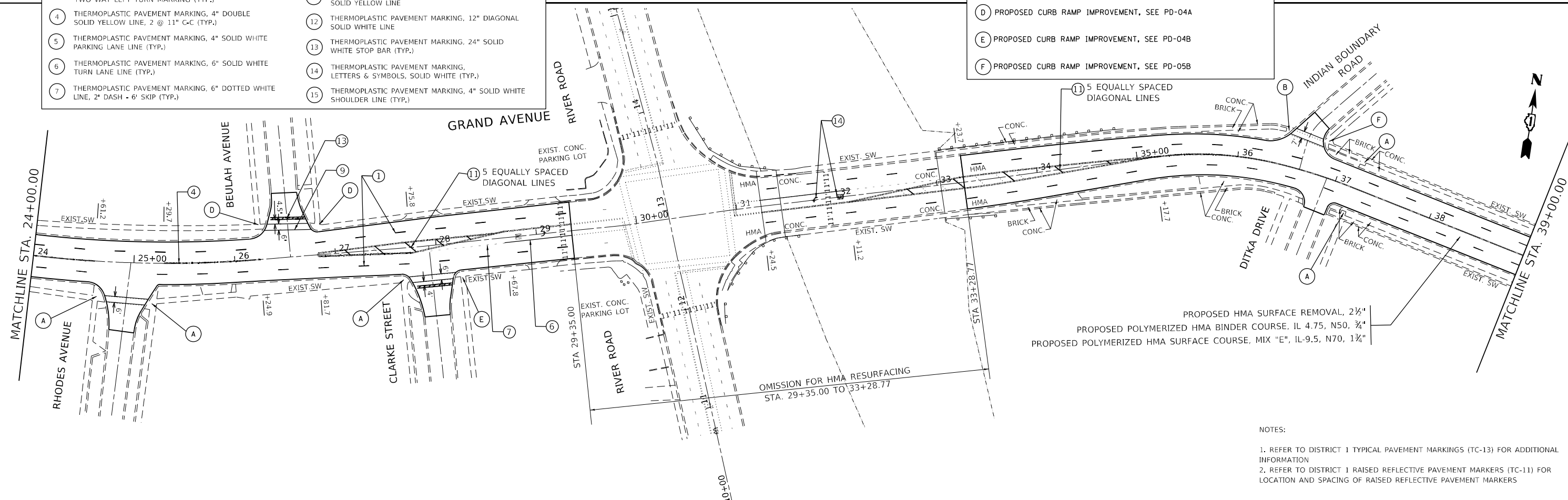


**PAVEMENT MARKING LEGEND**

- |  |   |
|--|---|
| 1 THERMOPLASTIC PAVEMENT MARKING, 4" SKIP DASH WHITE LANE LINE, 10' DASH - 30' SKIP (TYP.)   | 8 THERMOPLASTIC PAVEMENT MARKING, 6" DOTTED DOUBLE YELLOW LINE, 2' DASH - 6' SKIP         |
| 2 THERMOPLASTIC PAVEMENT MARKING, 4" SKIP DASH YELLOW CENTER LINE, 10' DASH - 30' SKIP (TYP.)  | 9 THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE CROSSWALK LINE (TYP.)                    |
| 3 THERMOPLASTIC PAVEMENT MARKING, 4" SKIP DASH YELLOW LINE, 10' DASH - 30' SKIP AND 4" SOLID LINE; 5 1/2" C-C BETWEEN SOLID LINE AND SKIPE-DASH LINE, TWO WAY LEFT TURN MARKING (TYP.) | 10 THERMOPLASTIC PAVEMENT MARKING, 12" SOLID WHITE LONGITUDINAL BAR, SPACED 3' C-C (TYP.) |
| 4 THERMOPLASTIC PAVEMENT MARKING, 4" DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C (TYP.)  | 11 THERMOPLASTIC PAVEMENT MARKING, 12" DIAGONAL SOLID YELLOW LINE                         |
| 5 THERMOPLASTIC PAVEMENT MARKING, 4" SOLID WHITE PARKING LANE LINE (TYP.)  | 12 THERMOPLASTIC PAVEMENT MARKING, 12" DIAGONAL SOLID WHITE LINE                          |
| 6 THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE TURN LANE LINE (TYP.)   | 13 THERMOPLASTIC PAVEMENT MARKING, 24" SOLID WHITE STOP BAR (TYP.)                        |
| 7 THERMOPLASTIC PAVEMENT MARKING, 6" DOTTED WHITE LINE, 2' DASH - 6' SKIP (TYP.)   | 14 THERMOPLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS, SOLID WHITE (TYP.)                  |
|  | 15 THERMOPLASTIC PAVEMENT MARKING, 4" SOLID WHITE SHOULDER LINE (TYP.)                    |

**ADA IMPROVEMENT LEGEND**

- |  |
|--|
| A PROPOSED CURB RAMP IMPROVEMENT, SEE SIDEWALK DETAIL PLAN |
| B PROPOSED CURB RAMP IMPROVEMENT, SEE PD-02B               |
| C PROPOSED CURB RAMP IMPROVEMENT, SEE PD-03A               |
| D PROPOSED CURB RAMP IMPROVEMENT, SEE PD-04A               |
| E PROPOSED CURB RAMP IMPROVEMENT, SEE PD-04B               |
| F PROPOSED CURB RAMP IMPROVEMENT, SEE PD-05B               |



PROPOSED HMA SURFACE REMOVAL, 2 1/2"  
 PROPOSED POLYMERIZED HMA BINDER COURSE, IL 4.75, N50, 3/4"  
 PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX "E", IL-9.5, N70, 1 3/4"

**NOTES:**

- REFER TO DISTRICT 1 TYPICAL PAVEMENT MARKINGS (TC-13) FOR ADDITIONAL INFORMATION
- REFER TO DISTRICT 1 RAISED REFLECTIVE PAVEMENT MARKERS (TC-11) FOR LOCATION AND SPACING OF RAISED REFLECTIVE PAVEMENT MARKERS

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 USER: karm  
 DATE: 3/15/2022

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	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/15/2022	DATE -	REVISED -

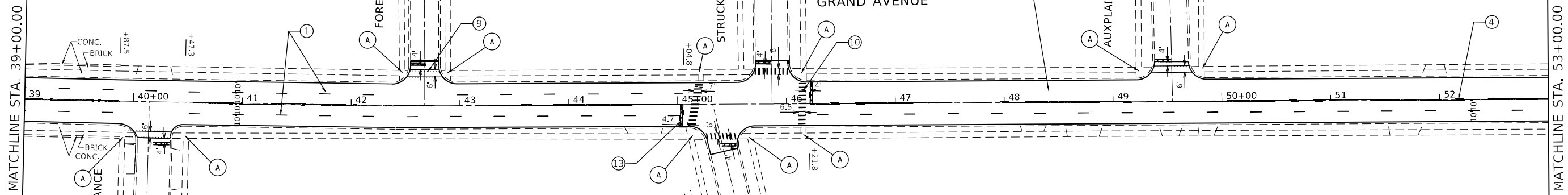
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN  
 GRAND AVE (ELM ST TO EO 77TH CT AND 74TH CT TO IL 43)**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	2021-083-R5&SW	COOK	79	10
CONTRACT NO. 62N99				
ILLINOIS FED. AID PROJECT				

PROPOSED HMA SURFACE REMOVAL, 2½"  
 PROPOSED POLYMERIZED HMA BINDER COURSE, IL 4.75, N50, ¾"  
 PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX "E", IL-9.5, N70, 1¾"

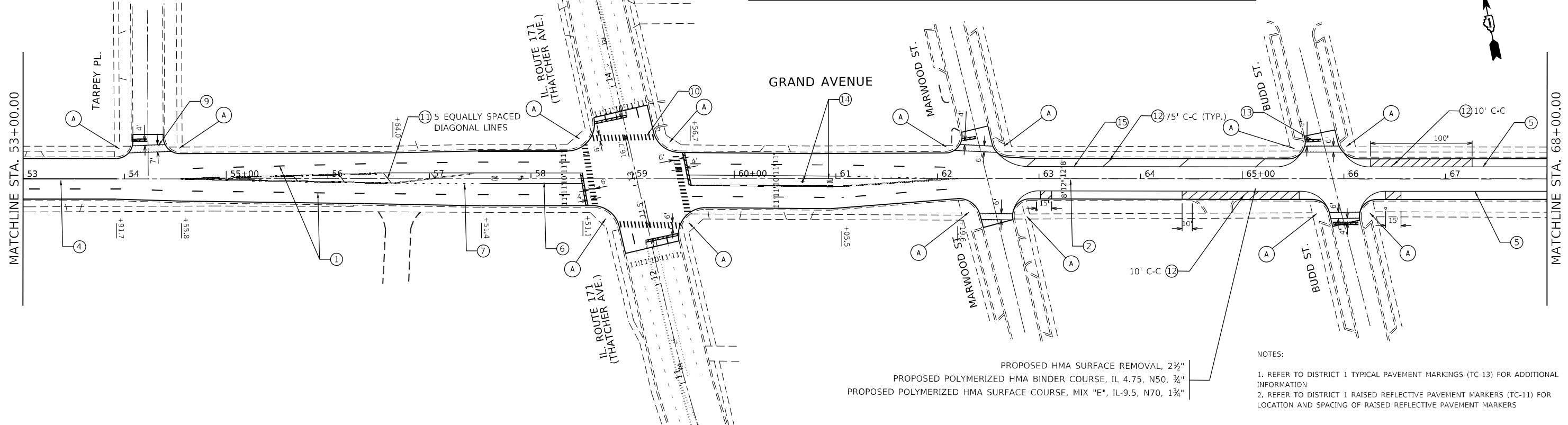


**ADA IMPROVEMENT LEGEND**

- (A) PROPOSED CURB RAMP IMPROVEMENT, SEE SIDEWALK DETAIL PLAN
- (B) PROPOSED CURB RAMP IMPROVEMENT, SEE PD-02B
- (C) PROPOSED CURB RAMP IMPROVEMENT, SEE PD-03A
- (D) PROPOSED CURB RAMP IMPROVEMENT, SEE PD-04A
- (E) PROPOSED CURB RAMP IMPROVEMENT, SEE PD-04B
- (F) PROPOSED CURB RAMP IMPROVEMENT, SEE PD-05B

**PAVEMENT MARKING LEGEND**

- (1) THERMOPLASTIC PAVEMENT MARKING, 4" SKIP DASH WHITE LANE LINE, 10' DASH - 30' SKIP (TYP.)
- (2) THERMOPLASTIC PAVEMENT MARKING, 4" SKIP DASH YELLOW CENTER LINE, 10' DASH - 30' SKIP (TYP.)
- (3) THERMOPLASTIC PAVEMENT MARKING, 4" SKIP DASH YELLOW LINE, 10" DASH - 30" SKIP AND 4" SOLID LINE; 5½" C-C BETWEEN SOLID LINE AND SKIP-DASH LINE, TWO WAY LEFT TURN MARKING (TYP.)
- (4) THERMOPLASTIC PAVEMENT MARKING, 4" DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C (TYP.)
- (5) THERMOPLASTIC PAVEMENT MARKING, 4" SOLID WHITE PARKING LANE LINE (TYP.)
- (6) THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE TURN LANE LINE (TYP.)
- (7) THERMOPLASTIC PAVEMENT MARKING, 6" DOTTED WHITE LINE, 2' DASH - 6' SKIP (TYP.)
- (8) THERMOPLASTIC PAVEMENT MARKING, 6" DOTTED DOUBLE YELLOW LINE, 2' DASH - 6' SKIP
- (9) THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE CROSSWALK LINE (TYP.)
- (10) THERMOPLASTIC PAVEMENT MARKING, 12" SOLID WHITE LONGITUDINAL BAR, SPACED 3' C-C (TYP.)
- (11) THERMOPLASTIC PAVEMENT MARKING, 12" DIAGONAL SOLID YELLOW LINE
- (12) THERMOPLASTIC PAVEMENT MARKING, 12" DIAGONAL SOLID WHITE LINE
- (13) THERMOPLASTIC PAVEMENT MARKING, 24" SOLID WHITE STOP BAR (TYP.)
- (14) THERMOPLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS, SOLID WHITE (TYP.)
- (15) THERMOPLASTIC PAVEMENT MARKING, 4" SOLID WHITE SHOULDER LINE (TYP.)



PROPOSED HMA SURFACE REMOVAL, 2½"  
 PROPOSED POLYMERIZED HMA BINDER COURSE, IL 4.75, N50, ¾"  
 PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX "E", IL-9.5, N70, 1¾"

- NOTES:
- REFER TO DISTRICT 1 TYPICAL PAVEMENT MARKINGS (TC-13) FOR ADDITIONAL INFORMATION
  - REFER TO DISTRICT 1 RAISED REFLECTIVE PAVEMENT MARKERS (TC-11) FOR LOCATION AND SPACING OF RAISED REFLECTIVE PAVEMENT MARKERS

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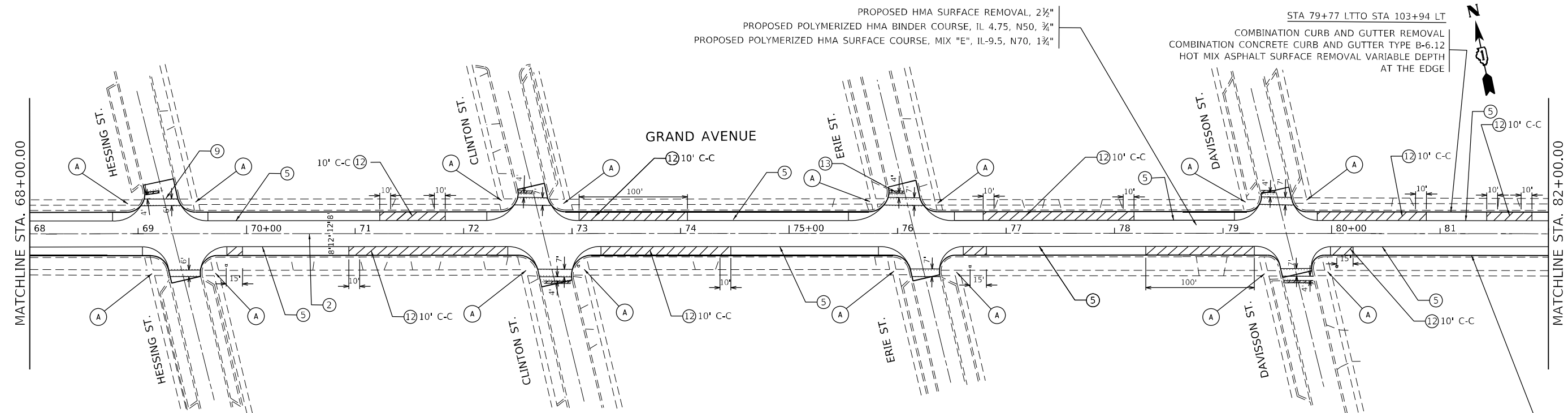
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	DRAWN -	REVISED -
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PLOT DATE = 3/15/2022	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN**  
**GRAND AVE (ELM ST TO EO 77TH CT AND 74TH CT TO IL 43)**  
 SCALE: SHEET OF SHEETS STA. 1"=50' TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	2021-083-R5&SW	COOK	79	11
CONTRACT NO. 62N99				
ILLINOIS FED. AID PROJECT				

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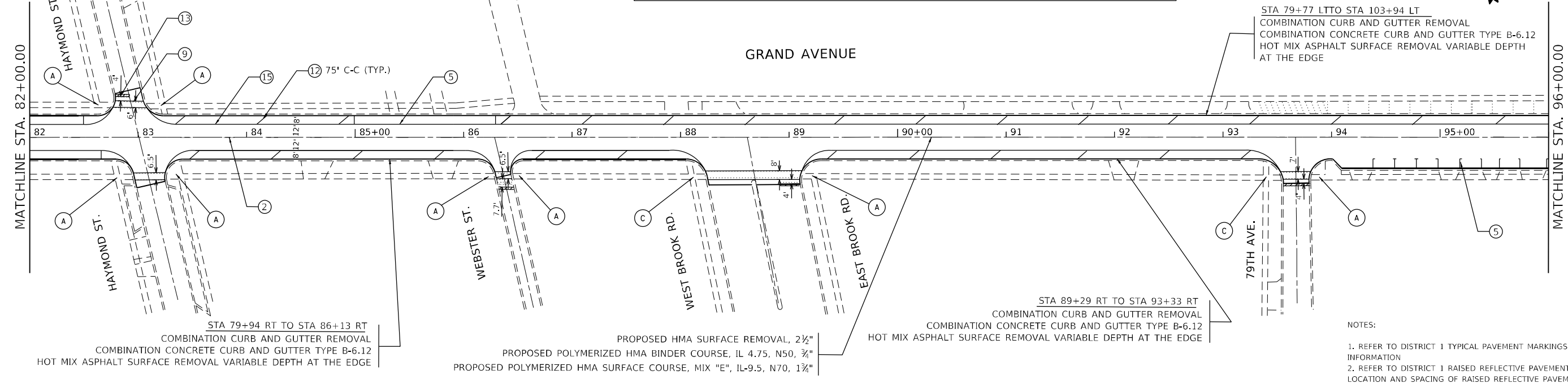


**ADA IMPROVEMENT LEGEND**

(A)	PROPOSED CURB RAMP IMPROVEMENT, SEE SIDEWALK DETAIL PLAN
(B)	PROPOSED CURB RAMP IMPROVEMENT, SEE PD-02B
(C)	PROPOSED CURB RAMP IMPROVEMENT, SEE PD-03A
(D)	PROPOSED CURB RAMP IMPROVEMENT, SEE PD-04A
(E)	PROPOSED CURB RAMP IMPROVEMENT, SEE PD-04B
(F)	PROPOSED CURB RAMP IMPROVEMENT, SEE PD-05B

**PAVEMENT MARKING LEGEND**

1	THERMOPLASTIC PAVEMENT MARKING, 4" SKIP DASH WHITE LANE LINE, 10" DASH - 30" SKIP (TYP.)	8	THERMOPLASTIC PAVEMENT MARKING, 6" DOTTED DOUBLE YELLOW LINE, 2' DASH - 6' SKIP
2	THERMOPLASTIC PAVEMENT MARKING, 4" SKIP DASH YELLOW CENTER LINE, 10" DASH - 30" SKIP (TYP.)	9	THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE CROSSWALK LINE (TYP.)
3	THERMOPLASTIC PAVEMENT MARKING, 4" SKIP DASH YELLOW LINE, 10" DASH - 30" SKIP AND 4" SOLID LINE; 5 1/2" C-C BETWEEN SOLID LINE AND SKIPE-DASH LINE, TWO WAY LEFT TURN MARKING (TYP.)	10	THERMOPLASTIC PAVEMENT MARKING, 12" SOLID WHITE LONGITUDINAL BAR, SPACED 3' C-C (TYP.)
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5	THERMOPLASTIC PAVEMENT MARKING, 4" SOLID WHITE PARKING LANE LINE (TYP.)	12	THERMOPLASTIC PAVEMENT MARKING, 12" DIAGONAL SOLID WHITE LINE
6	THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE TURN LANE LINE (TYP.)	13	THERMOPLASTIC PAVEMENT MARKING, 24" SOLID WHITE STOP BAR (TYP.)
7	THERMOPLASTIC PAVEMENT MARKING, 6" DOTTED WHITE LINE, 2' DASH - 6' SKIP (TYP.)	14	THERMOPLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS, SOLID WHITE (TYP.)
		15	THERMOPLASTIC PAVEMENT MARKING, 4" SOLID WHITE SHOULDER LINE (TYP.)



NOTES:  
 1. REFER TO DISTRICT 1 TYPICAL PAVEMENT MARKINGS (TC-13) FOR ADDITIONAL INFORMATION  
 2. REFER TO DISTRICT 1 RAISED REFLECTIVE PAVEMENT MARKERS (TC-11) FOR LOCATION AND SPACING OF RAISED REFLECTIVE PAVEMENT MARKERS

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	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/15/2022	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN**  
**GRAND AVE (ELM ST TO E0 77TH CT AND 74TH CT TO IL 43)**  
 SCALE: 1"=50'    SHEET OF SHEETS    STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	2021-083-R5&SW	COOK	79	12
CONTRACT NO. 62N99				
ILLINOIS FED. AID PROJECT				

W11-2, 36''X36''

W16-9P, 24''X12''



MATCHLINE STA. 111+00.00

MATCHLINE STA. 96+00.00

PROPOSED HMA SURFACE REMOVAL, 2 1/2"  
PROPOSED POLYMERIZED HMA BINDER COURSE, IL 4.75, N50, 3/4"  
PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX "E", IL-9.5, N70, 1 3/4"

STA 79+77 LT TO STA 103+94 LT  
COMBINATION CURB AND GUTTER REMOVAL  
COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.12  
HOT MIX ASPHALT SURFACE REMOVAL VARIABLE DEPTH  
AT THE EDGE

GRAND AVENUE

OMISSION FOR HMA RESURFACING  
STA. 103+94.60 TO 123+67.37

W11-2, 36''X36''

W16-9P, 24''X12''



5 EQUALLY SPACED  
DIAGONAL LINES

STA 100+51 RT TO STA 103+32 RT  
COMBINATION CURB AND GUTTER REMOVAL  
COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.12  
HOT MIX ASPHALT SURFACE REMOVAL VARIABLE DEPTH  
AT THE EDGE



W11-2, 36''X36''

W16-7P, 24''X12''

PAVEMENT MARKING LEGEND

- |  |   |
|--|---|
| 1 THERMOPLASTIC PAVEMENT MARKING, 4" SKIP DASH WHITE LANE LINE, 10' DASH - 30' SKIP (TYP.)   | 8 THERMOPLASTIC PAVEMENT MARKING, 6" DOTTED DOUBLE YELLOW LINE, 2' DASH - 6' SKIP         |
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| 7 THERMOPLASTIC PAVEMENT MARKING, 6" DOTTED WHITE LINE, 2' DASH - 6' SKIP (TYP.)   | 14 THERMOPLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS, SOLID WHITE (TYP.)                  |
|  | 15 THERMOPLASTIC PAVEMENT MARKING, 4" SOLID WHITE SHOULDER LINE (TYP.)                    |

ADA IMPROVEMENT LEGEND

- (A) PROPOSED CURB RAMP IMPROVEMENT, SEE SIDEWALK DETAIL PLAN
- (B) PROPOSED CURB RAMP IMPROVEMENT, SEE PD-02B
- (C) PROPOSED CURB RAMP IMPROVEMENT, SEE PD-03A
- (D) PROPOSED CURB RAMP IMPROVEMENT, SEE PD-04A
- (E) PROPOSED CURB RAMP IMPROVEMENT, SEE PD-04B
- (F) PROPOSED CURB RAMP IMPROVEMENT, SEE PD-05B

MATCHLINE STA. 111+00.00

MATCHLINE STA. 126+00.00

76TH AVE.

76TH AVE.

75TH CT.

GRAND AVENUE

75TH AVE.

75TH AVE.

74TH CT.

OMISSION FOR HMA RESURFACING  
STA. 103+94.60 TO 123+67.37

NOTES:

- REFER TO DISTRICT 1 TYPICAL PAVEMENT MARKINGS (TC-13) FOR ADDITIONAL INFORMATION
- REFER TO DISTRICT 1 RAISED REFLECTIVE PAVEMENT MARKERS (TC-11) FOR LOCATION AND SPACING OF RAISED REFLECTIVE PAVEMENT MARKERS

PROPOSED HMA SURFACE REMOVAL, 2 1/2"  
PROPOSED POLYMERIZED HMA BINDER COURSE, IL 4.75, N50, 3/4"  
PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX "E", IL-9.5, N70, 1 3/4"

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN  
GRAND AVE (ELM ST TO E0 77TH CT AND 74TH CT TO IL 43)

SCALE: 1"=50" SHEET OF SHEETS STA. TO STA.

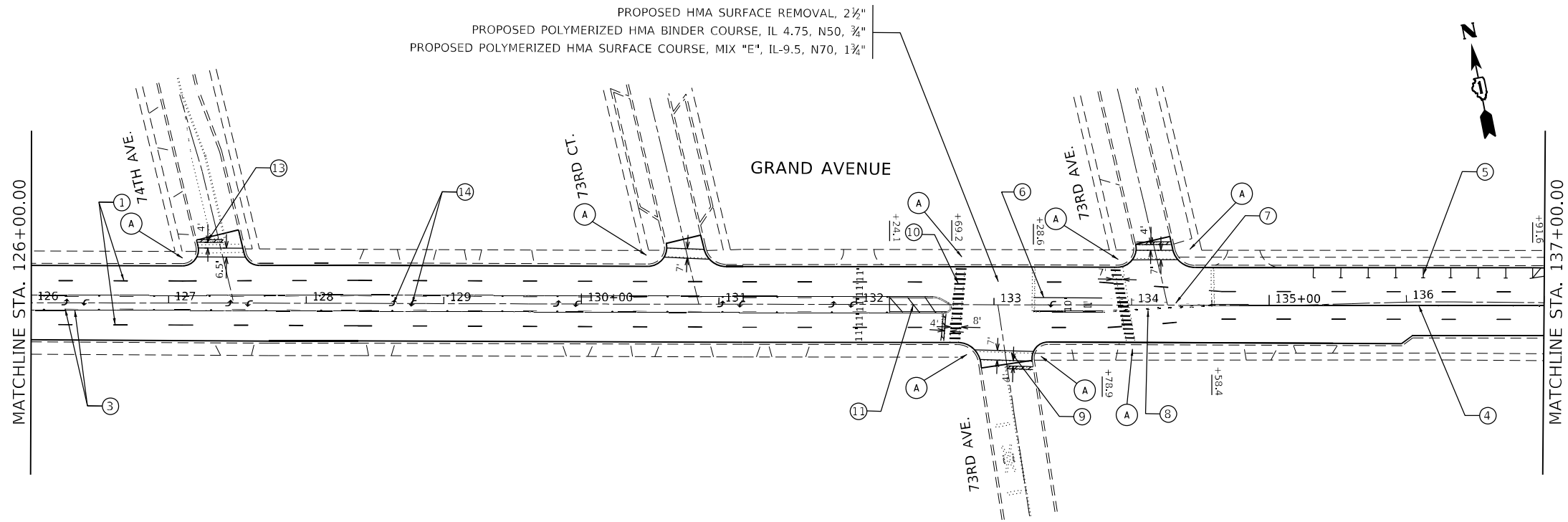
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	2021-083-R5&SW	COOK	79	13
CONTRACT NO. 62N99				
ILLINOIS FED. AID PROJECT				

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PROPOSED HMA SURFACE REMOVAL, 2½"  
 PROPOSED POLYMERIZED HMA BINDER COURSE, IL 4.75, N50, ¾"  
 PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX "E", IL-9.5, N70, 1¾"

MATCHLINE STA. 126+00.00

MATCHLINE STA. 137+00.00



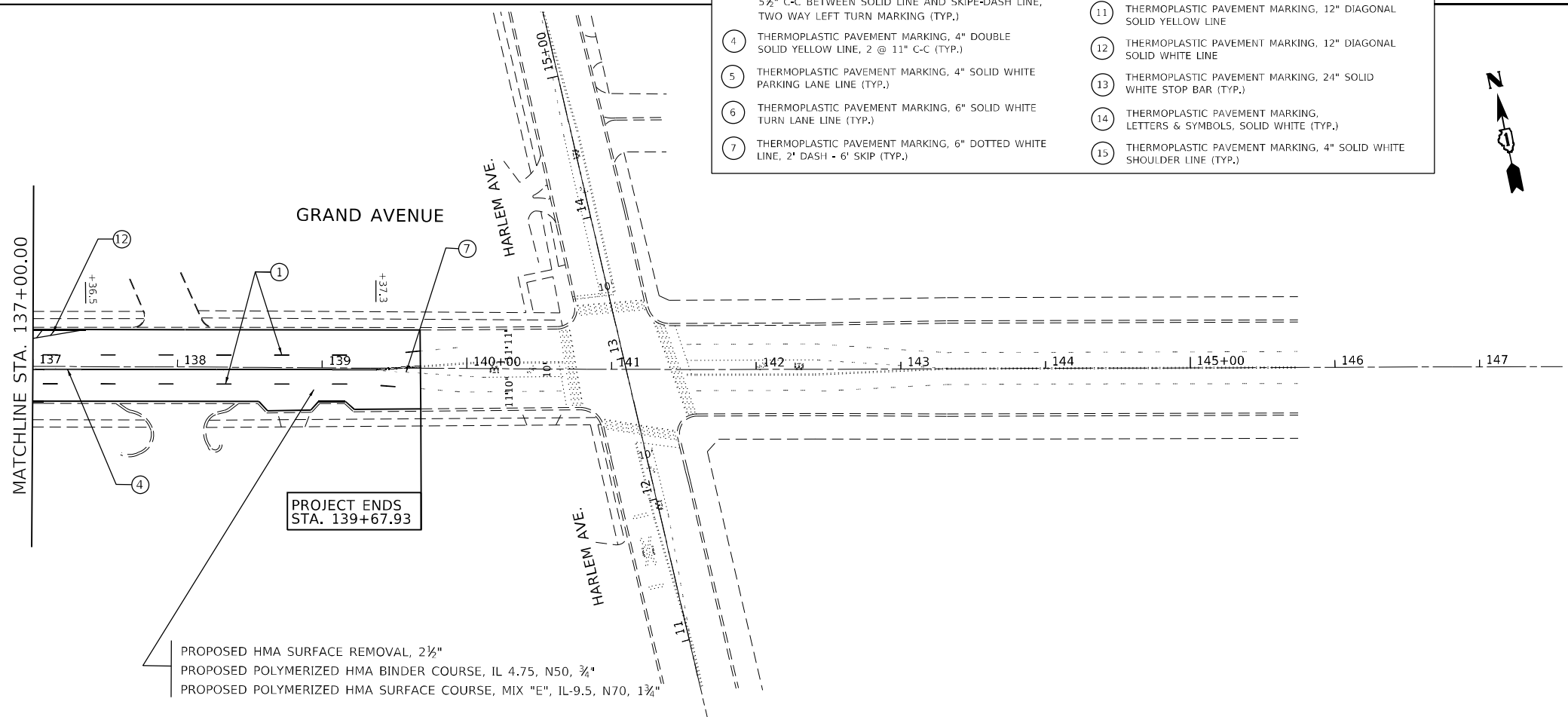
**PAVEMENT MARKING LEGEND**

- |   |  |
|---|--|
| ① THERMOPLASTIC PAVEMENT MARKING, 4" SKIP DASH WHITE LANE LINE, 10' DASH - 30' SKIP (TYP.)  | ⑧ THERMOPLASTIC PAVEMENT MARKING, 6" DOTTED DOUBLE YELLOW LINE, 2' DASH - 6' SKIP        |
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| ⑦ THERMOPLASTIC PAVEMENT MARKING, 6" DOTTED WHITE LINE, 2' DASH - 6' SKIP (TYP.)  | ⑭ THERMOPLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS, SOLID WHITE (TYP.)                  |
|   | ⑮ THERMOPLASTIC PAVEMENT MARKING, 4" SOLID WHITE SHOULDER LINE (TYP.)                    |

**ADA IMPROVEMENT LEGEND**

- Ⓐ PROPOSED CURB RAMP IMPROVEMENT, SEE SIDEWALK DETAIL PLAN
- Ⓑ PROPOSED CURB RAMP IMPROVEMENT, SEE PD-02B
- Ⓒ PROPOSED CURB RAMP IMPROVEMENT, SEE PD-03A
- Ⓓ PROPOSED CURB RAMP IMPROVEMENT, SEE PD-04A
- Ⓔ PROPOSED CURB RAMP IMPROVEMENT, SEE PD-04B
- Ⓕ PROPOSED CURB RAMP IMPROVEMENT, SEE PD-05B

MATCHLINE STA. 137+00.00



PROPOSED HMA SURFACE REMOVAL, 2½"  
 PROPOSED POLYMERIZED HMA BINDER COURSE, IL 4.75, N50, ¾"  
 PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX "E", IL-9.5, N70, 1¾"

**NOTES:**

1. REFER TO DISTRICT 1 TYPICAL PAVEMENT MARKINGS (TC-13) FOR ADDITIONAL INFORMATION
2. REFER TO DISTRICT 1 RAISED REFLECTIVE PAVEMENT MARKERS (TC-11) FOR LOCATION AND SPACING OF RAISED REFLECTIVE PAVEMENT MARKERS

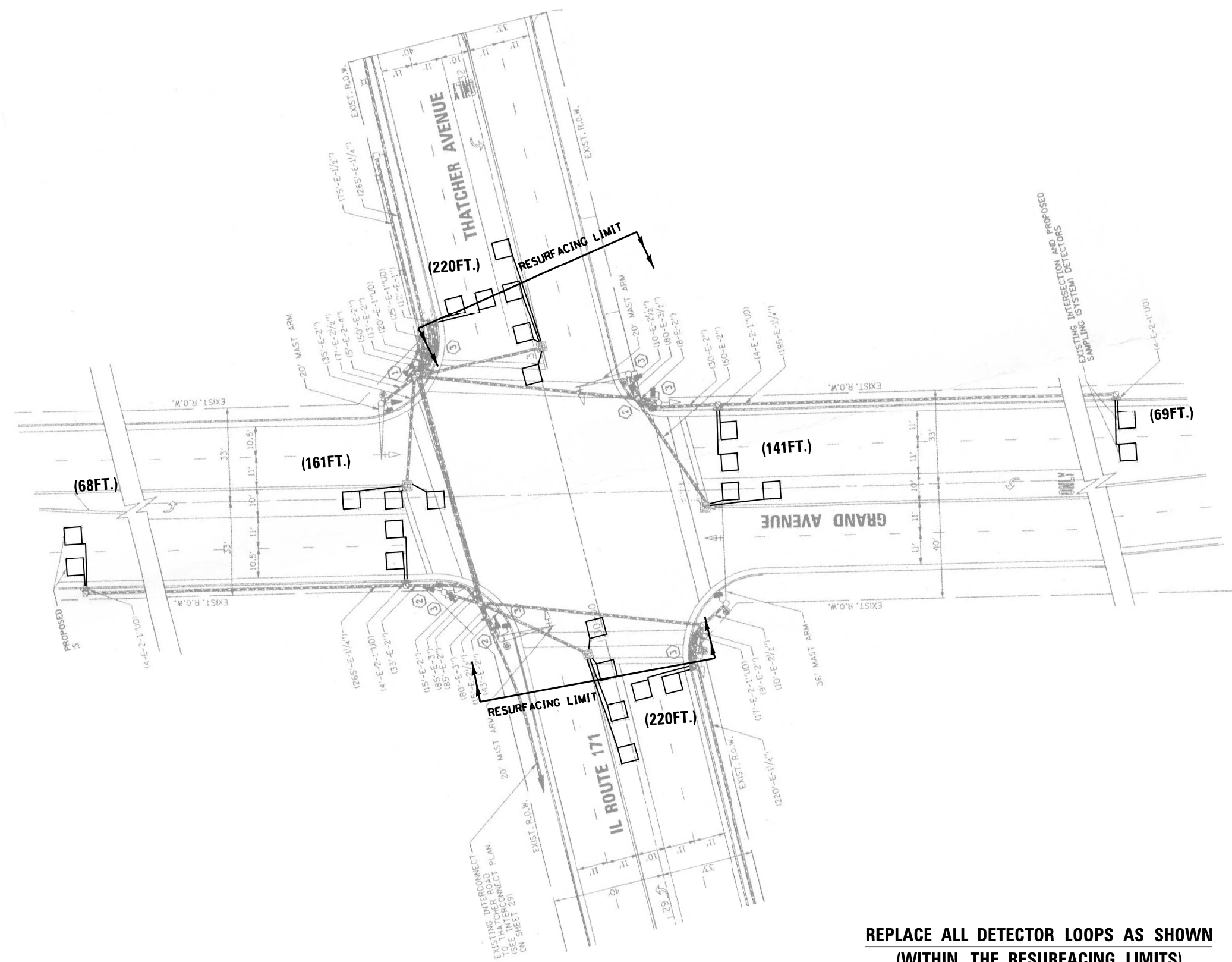
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PLOT DATE = 3/15/2022	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>ROADWAY PLAN</b>	
<b>GRAND AVE (ELM ST TO EO 77TH CT AND 74TH CT TO IL 43)</b>	
SCALE: 1"=50"	SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	2021-083-R5&SW	COOK	79	14
CONTRACT NO. 62N99				
ILLINOIS FED. AID PROJECT				



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

**NOTES:**

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

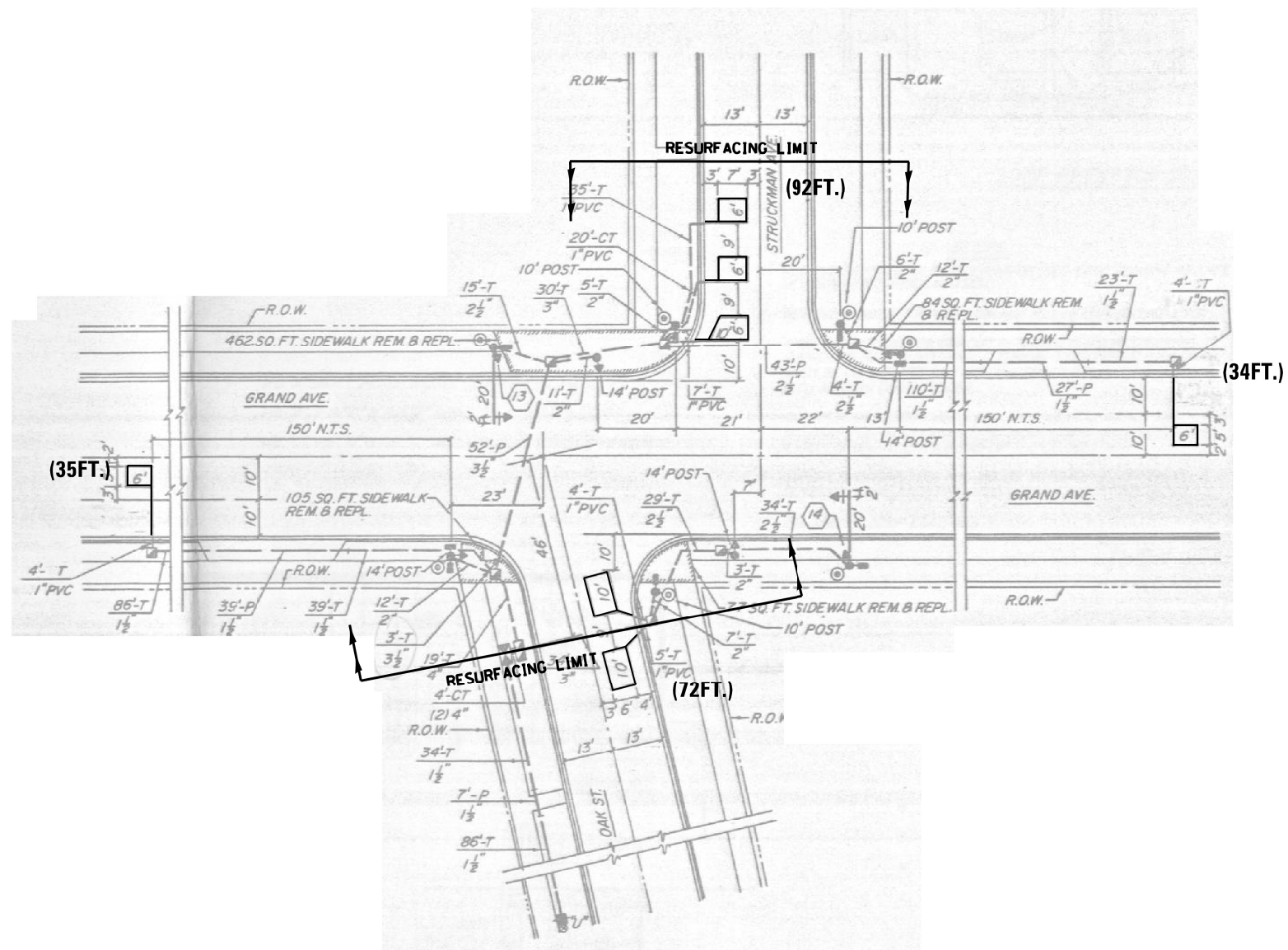
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88600600	DETECTOR LOOP REPLACEMENT	879	FOOT	TS#5215

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S:\WP\Design\SB\Detector Loops\FAU 1376	Grand Ave - (Elm St to E of 77th Ct & 74th	DRAWN 43 (Harlem Ave)\Final Design\G	REVISED 1m to IL 4312.dgn
Default	PLOT SCALE = 40,0000 sf / in.	CHECKED -	REVISED -
	PLOT DATE = 5/5/2021	DATE - 01/27/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DETECTOR LOOP REPLACEMENT PLAN</b>			
<b>GRAND AVE AT IL 171</b>			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	2021-083-R5&SW	COOK	79	15
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N99	



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

**NOTES:**

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).

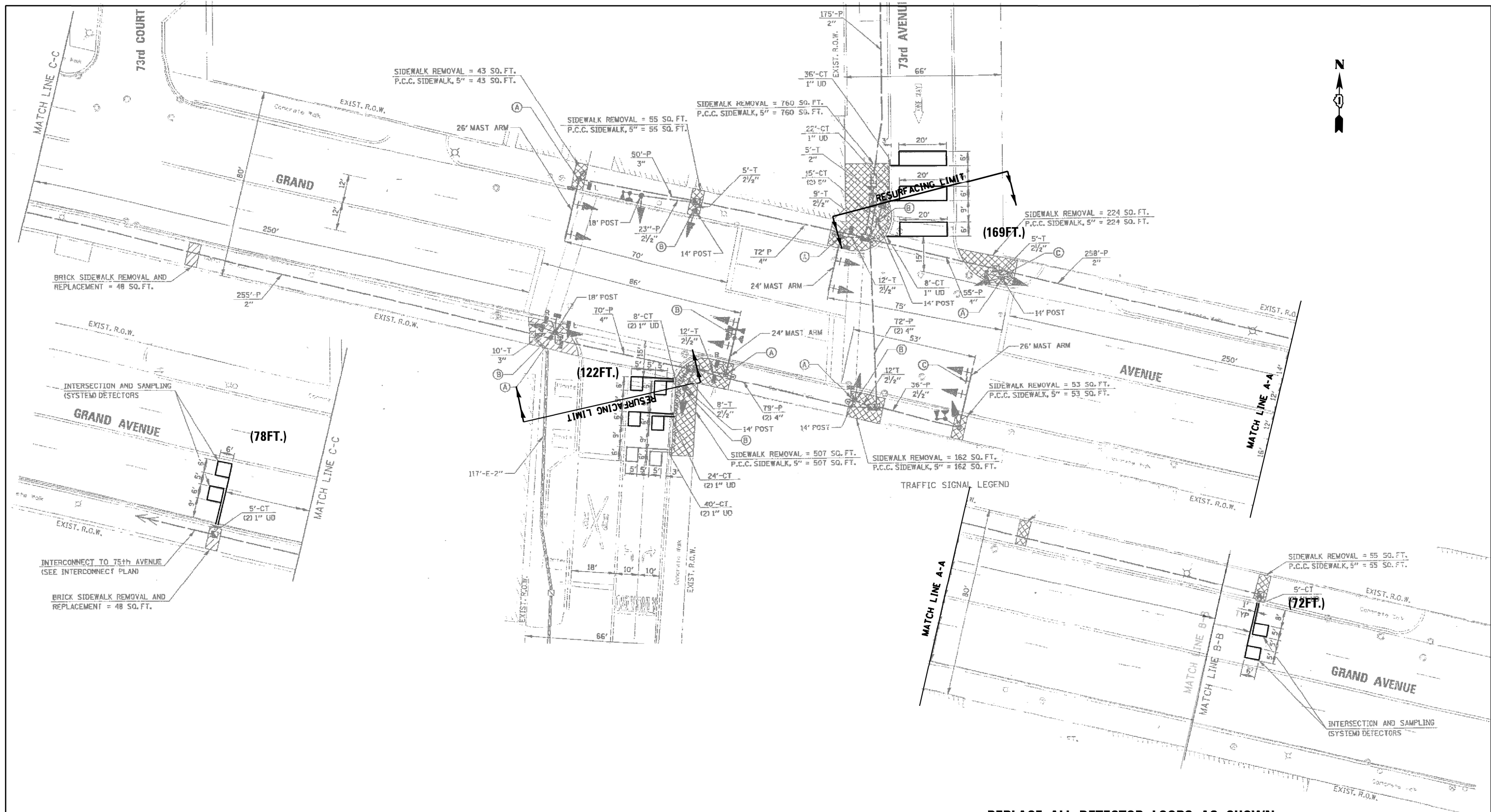
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.

CODE	ITEM	QUANTITY	UNIT	
88600600	DETECTOR LOOP REPLACEMENT	233	FOOT	TS#5205

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S:\WP\Design\SB\Detector Loops\FAU 1376	Grand Ave - (Elm St to E of 77th Ct & 74th	DRAWN 43 (Harlem Ave)\Grand Ave.(Elm	REVISION -			1376	2021-083-R5&SW	COOK	79	16	
Default	PLOT SCALE = 40,0000 sf / in.	CHECKED -	REVISED -			CONTRACT NO. 62N99					
	PLOT DATE = 5/5/2021	DATE - 01/27/2021	REVISED -			ILLINOIS FED. AID PROJECT					

SCALE: SHEET OF SHEETS STA. TO STA.





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

**NOTES:**

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

CODE	ITEM	QUANTITY	UNIT	
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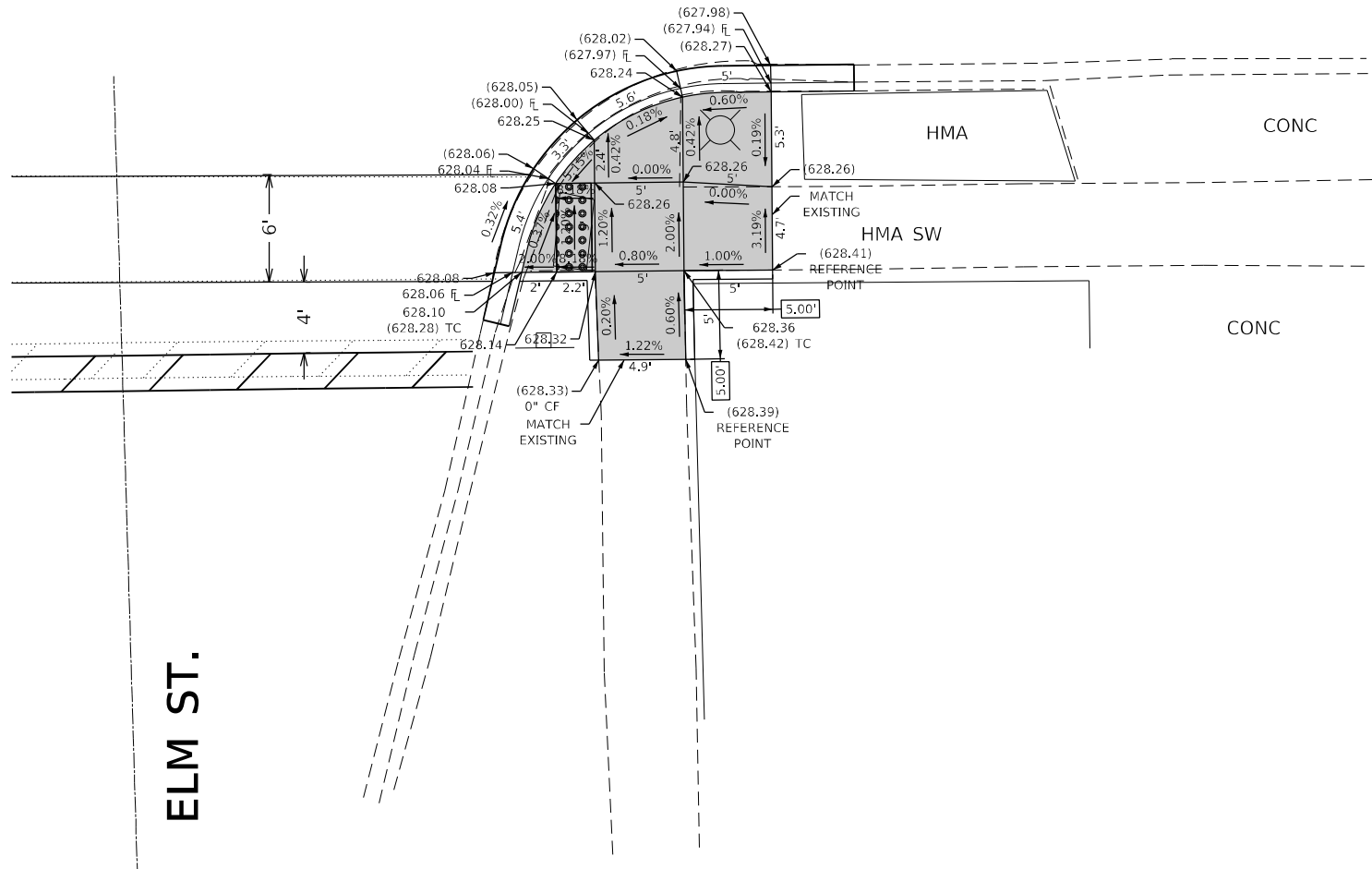
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DETECTOR LOOP REPLACEMENT PLAN</b>				
<b>GRAND AVE AT 73RD AVE</b>				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	2021-083-RS&SW	COOK	79	17
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N99	

W. GRAND AVE.



ELM ST.

REFERENCE BENCHMARK ELEV 629.262  
 BENCHMARK : S EAST BOLT ON THE FIRE HYDRANT  
 LOCATION : S WEST CORNER OF GRAND AVE AND ELM ST

**LEGEND**

- XX.XX' EXISTING LENGTH
- PROPOSED SIDE CURB
- ( ) EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD
- REMOVE AND REINSTALL BRICK PAVER

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

**SIDEWALK DETAIL PLAN**  
 GRAND AVE (ELM ST TO EO 77TH CT AND 74TH CT TO IL 43)

SCALE: SHEET OF SHEETS STA. TO STA.

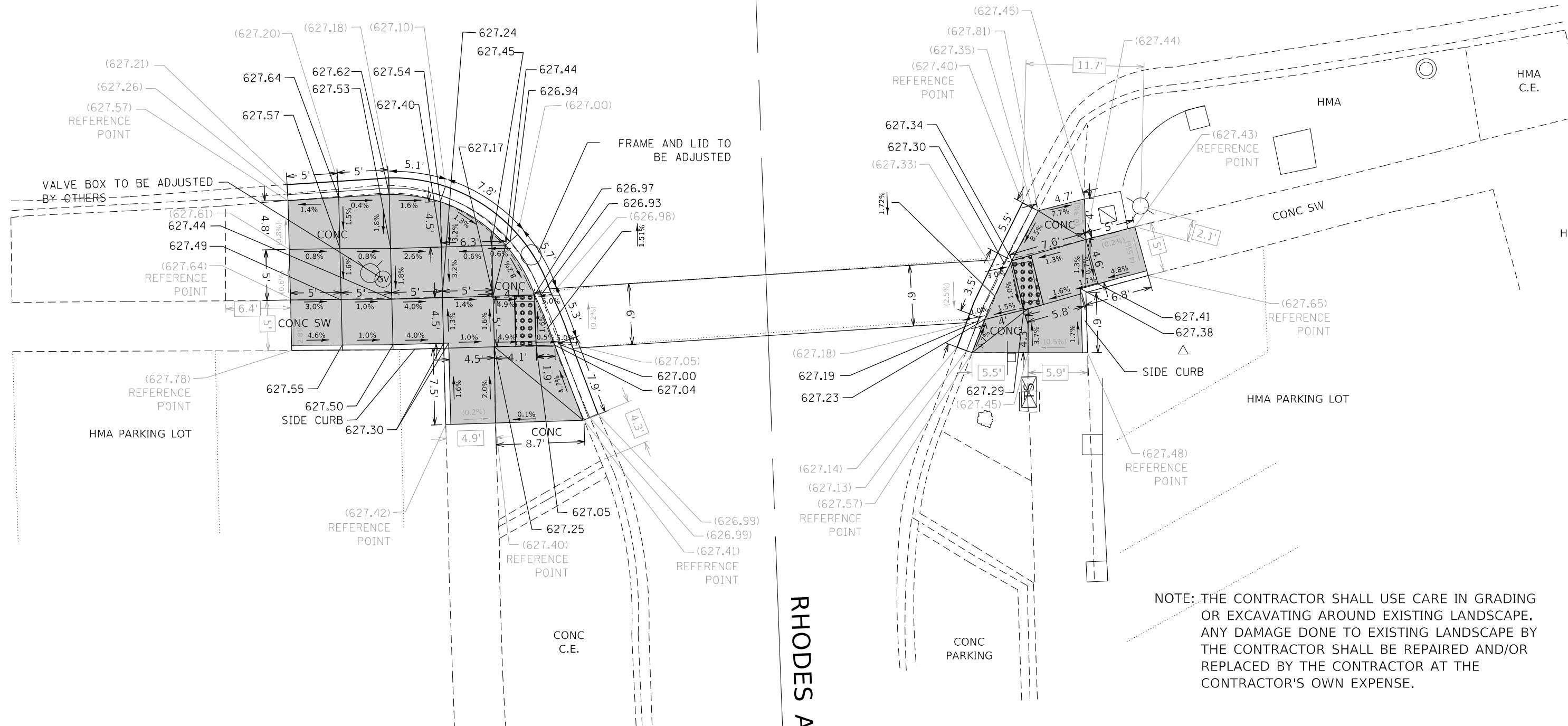
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	2021-083-R5&SW	COOK	79	18
CONTRACT NO. 62N99				
ILLINOIS FED. AID PROJECT				

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DRAWN -	REVISOR -	REVISIONS -
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PLOT DATE = 2/7/2022	DATE -	REVISIONS -



GRAND AVE.



NOTE: THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING AROUND EXISTING LANDSCAPE. ANY DAMAGE DONE TO EXISTING LANDSCAPE BY THE CONTRACTOR SHALL BE REPAIRED AND/OR REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.

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REFERENCE BENCHMARK ELEV 628.880  
 BENCHMARK : SOUTH BOLT ON THE FIRE HYDRANT  
 LOCATION : S WEST CORNER OF GRAND AVE AND RHODES AVE

LEGEND	
xx.xx'	EXISTING LENGTH
==	PROPOSED SIDE CURB
( )	EXISTING ELEVATION/SLOPE
[Solid Gray Box]	PROPOSED SIDEWALK
[Grid Pattern Box]	REMOVE AND REINSTALL BRICK PAVER
[Dotted Pattern Box]	DETECTABLE WARNINGS
[Cross-hatch Pattern Box]	SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

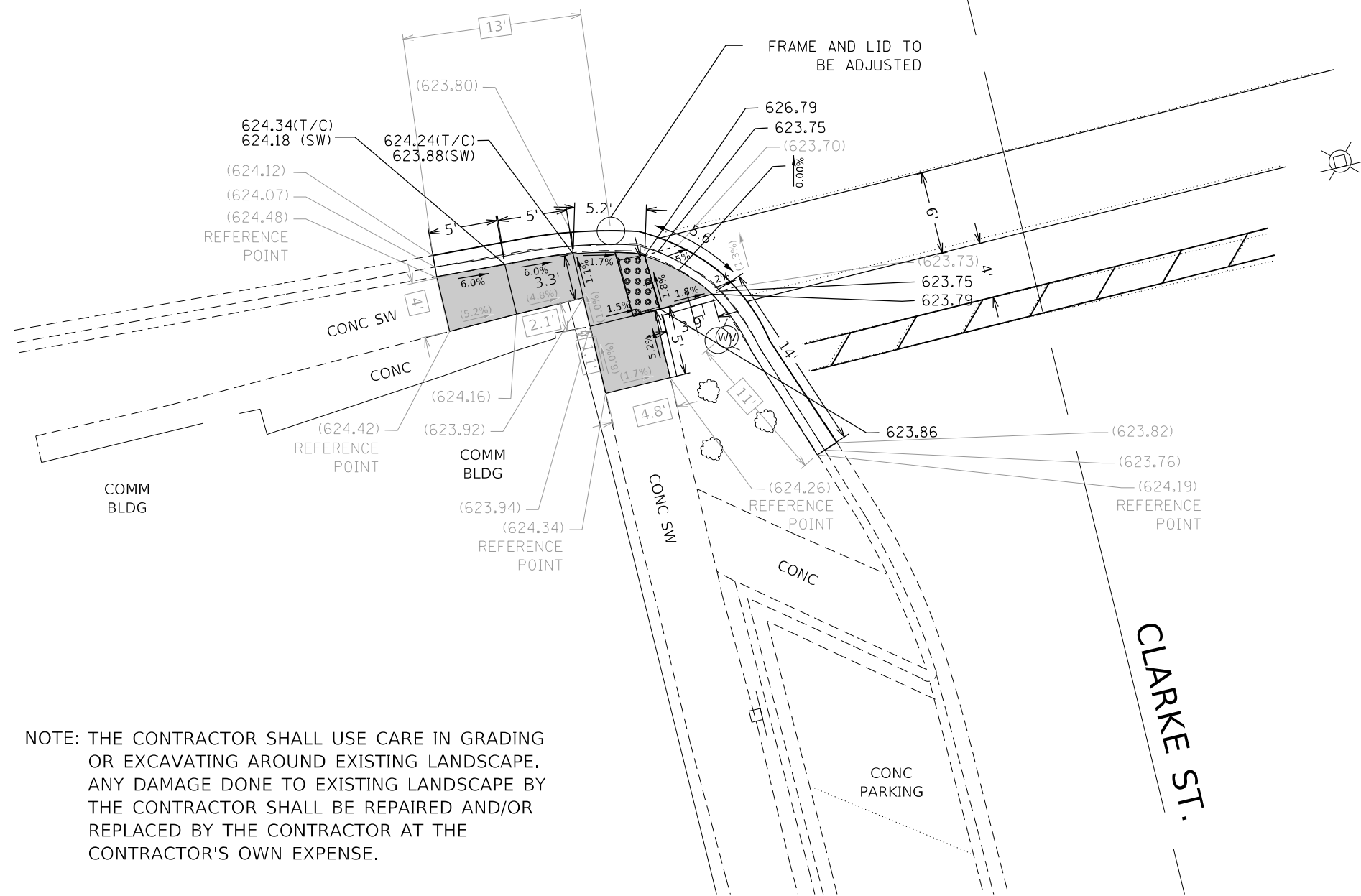
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL PLAN  
 GRAND AVE (ELM ST TO EO 77TH CT AND 74TH CT TO IL 43)

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	2021-083-R5&SW	COOK	79	20
CONTRACT NO. 62N99				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

GRAND AVE.



NOTE: THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING AROUND EXISTING LANDSCAPE. ANY DAMAGE DONE TO EXISTING LANDSCAPE BY THE CONTRACTOR SHALL BE REPAIRED AND/OR REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.

REFERENCE BENCHMARK ELEV 625.481  
 BENCHMARK : S WEST BOLT ON THE FIRE HYDRANT  
 LOCATION : S WEST CORNER OF GRAND AVE AND CLARKE ST

**LEGEND**

- xx.xx' EXISTING LENGTH
- PROPOSED SIDE CURB
- ( ) EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD
- REMOVE AND REINSTALL BRICK PAVER

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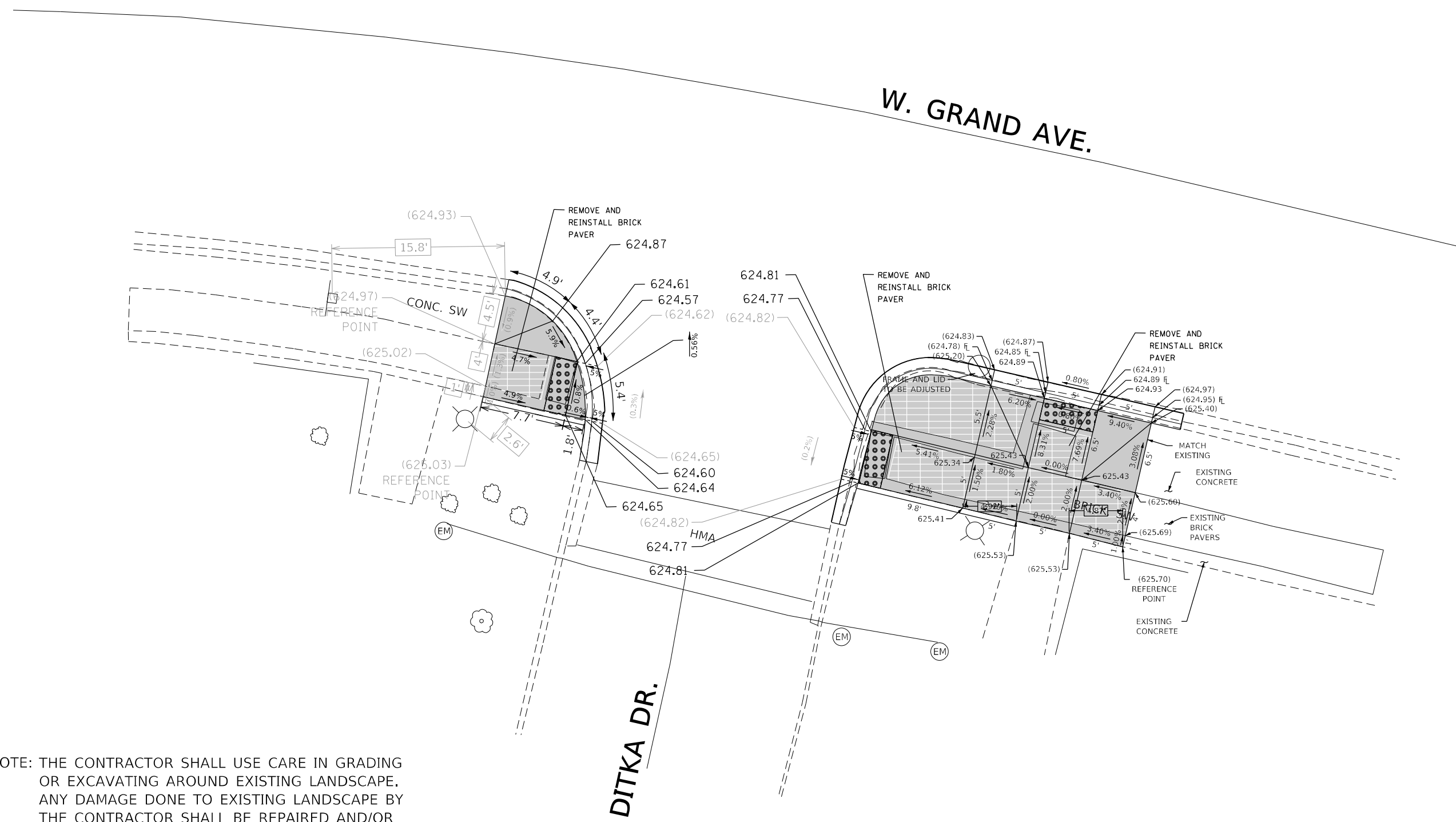
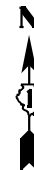
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PLOT DATE = 2/7/2022	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL PLAN  
 GRAND AVE (ELM ST TO EO 77TH CT AND 74TH CT TO IL 43)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	2021-083-R5&SW	COOK	79	21
CONTRACT NO. 62N99				
ILLINOIS FED. AID PROJECT				



NOTE: THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING AROUND EXISTING LANDSCAPE. ANY DAMAGE DONE TO EXISTING LANDSCAPE BY THE CONTRACTOR SHALL BE REPAIRED AND/OR REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.

REFERENCE BENCHMARK ELEV 626.881  
 BENCHMARK :EAST BOLT ON THE FIRE HYDRANT  
 LOCATION : N EAST CORNER OF GRAND AVE AND DITKA DR

**LEGEND**

- XX.XX' EXISTING LENGTH
- PROPOSED SIDE CURB
- EM EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- REMOVE AND REINSTALL BRICK PAVER
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

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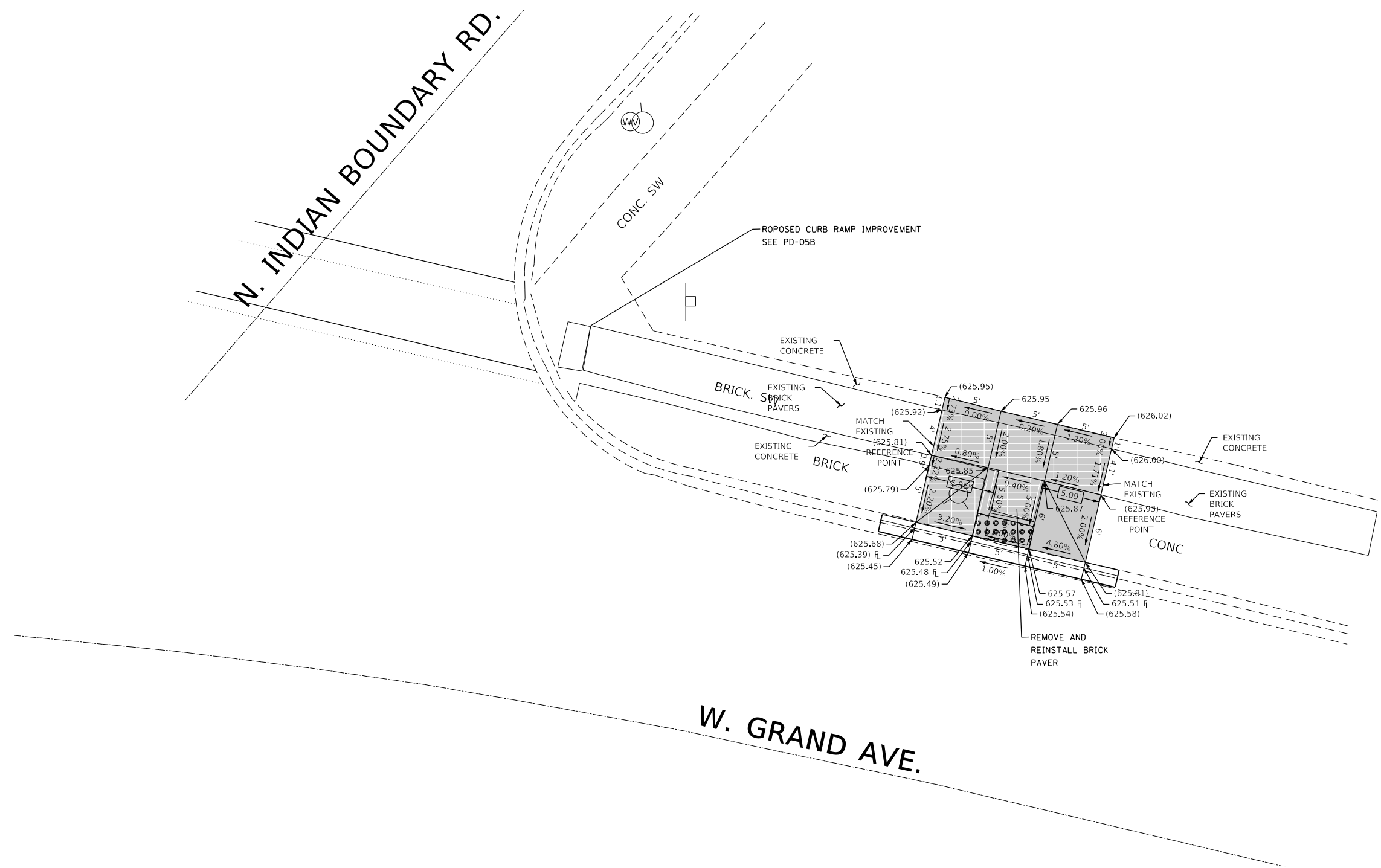
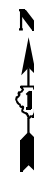
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SIDEWALK DETAIL PLAN  
 GRAND AVE (ELM ST TO E/O 77TH CT AND 74TH CT TO IL 43)**

SCALE:      SHEET      OF      SHEETS      STA.      TO      STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	2021-083-R5&SW	COOK	79	22
CONTRACT NO. 62N99				
ILLINOIS FED. AID PROJECT				



REFERENCE BENCHMARK ELEV 626.861  
 BENCHMARK :X CUT ON THE N EAST BOLT ON THE FIRE HYDRANT  
 LOCATION : N EAST CORNER OF GRAND AVE AND INDIAN BOUNDARY RD

**LEGEND**

- xx.xx' EXISTING LENGTH
- PROPOSED SIDE CURB
- ( ) EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD
- REMOVE AND REINSTALL BRICK PAVER

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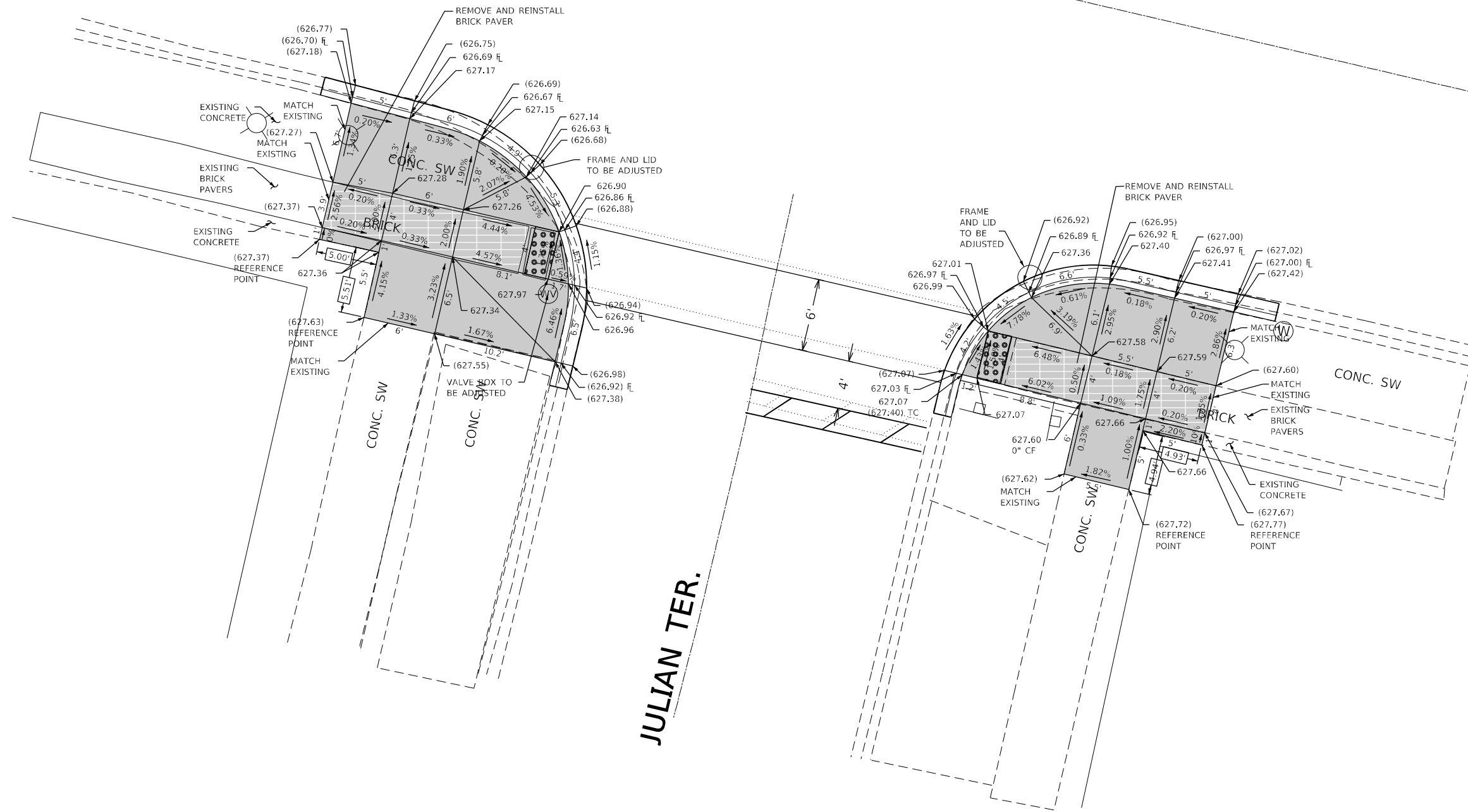
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PLOT DATE = 2/7/2022	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

SIDEWALK DETAIL PLAN			
GRAND AVE (ELM ST TO E/O 77TH CT AND 74TH CT TO IL 43)			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	2021-083-R5&SW	COOK	79	23
CONTRACT NO. 62N99				
ILLINOIS FED. AID PROJECT				

W. GRAND AVE.



JULIAN TER.

REFERENCE BENCHMARK ELEV 629.481

BENCHMARK :X CUT ON THE N WEST BOLT ON THE FIRE HYDRANT

LOCATION : NORTH SIDE OF GRAND AVE

**LEGEND**

xx.xx'

EXISTING LENGTH

=====

PROPOSED SIDE CURB

( )

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD



REMOVE AND REINSTALL BRICK PAVER

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**SIDEWALK DETAIL PLAN**  
**GRAND AVE (ELM ST TO E/O 77TH CT AND 74TH CT TO IL 43)**

SCALE: SHEET OF SHEETS STA. TO STA.

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PLOT DATE = 2/7/2022	DATE -	REVISED -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	2021-083-R5&SW	COOK	79	24
CONTRACT NO. 62N99				
ILLINOIS FED. AID PROJECT				

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REFERENCE BENCHMARK ELEV 629.333

BENCHMARK X CUT ON THE N WEST BOLT ON THE FIRE HYDRANT

LOCATION : NORTH SIDE OF GRAND AVE

### LEGEND

xx.xx'

EXISTING LENGTH

====

PROPOSED SIDE CURB

( )

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



REMOVE AND REINSTALL BRICK PAVEMENT



SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD



REMOVE AND REINSTALL BRICK PAVEMENT

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL PLAN  
GRAND AVE (ELM ST TO E/O 77TH CT AND 74TH CT TO IL 43)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	2021-083-R5&SW	COOK	79	25
CONTRACT NO. 62N99				
ILLINOIS FED. AID PROJECT				

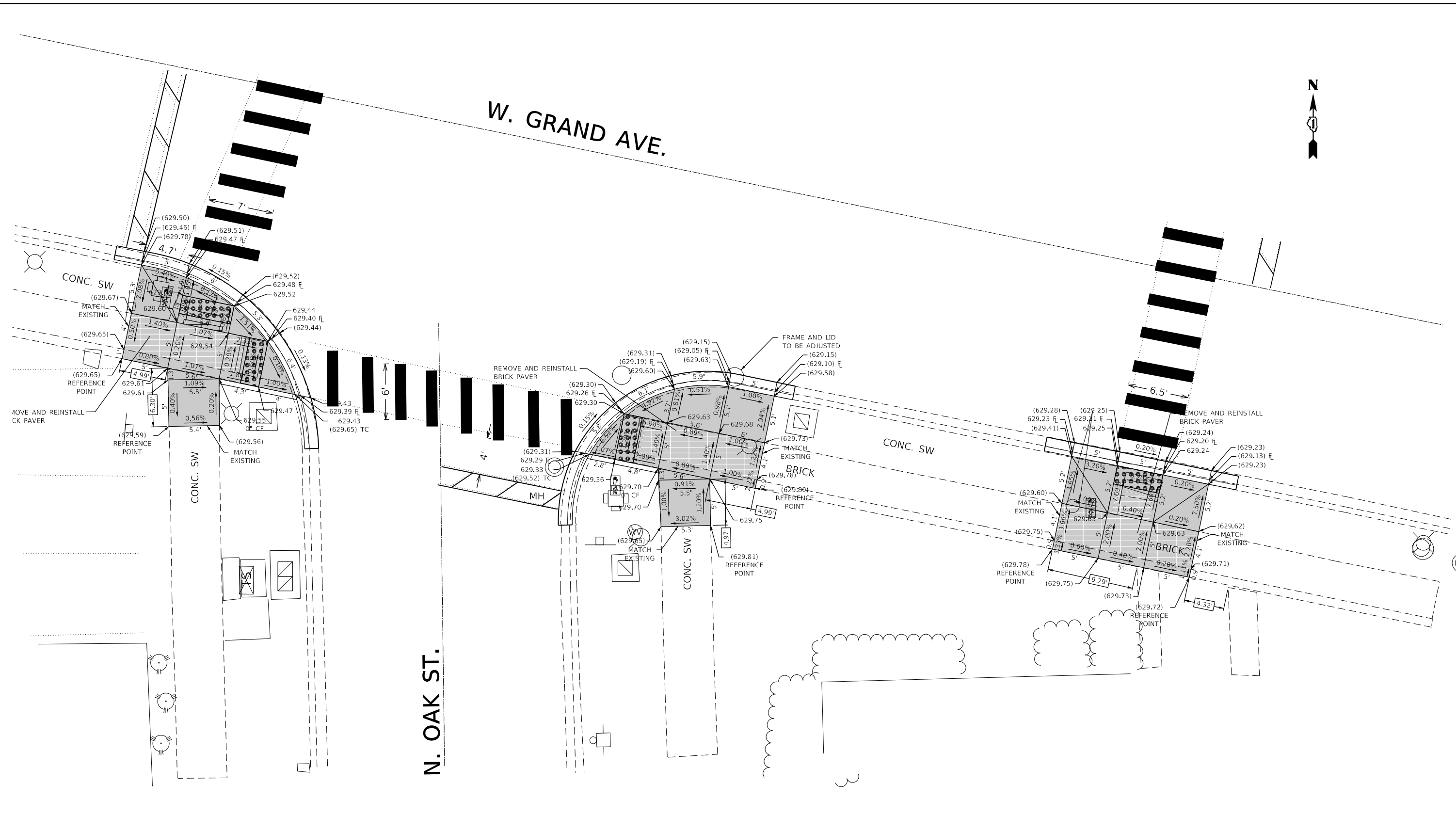
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W. GRAND AVE.

N. OAK ST.



REFERENCE BENCHMARK ELEV 636.150  
 BENCHMARK :N EAST BOLT ON THE FIRE HYDRANT  
 LOCATION : S EAST CORNER OF GRAND AVE AND OAK ST

**LEGEND**

xx.xx'

EXISTING LENGTH



PROPOSED SIDE CURB

( )

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL  
 REPLACE W/TOPSOIL & SOD



REMOVE AND REINSTALL BRICK PAVER

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

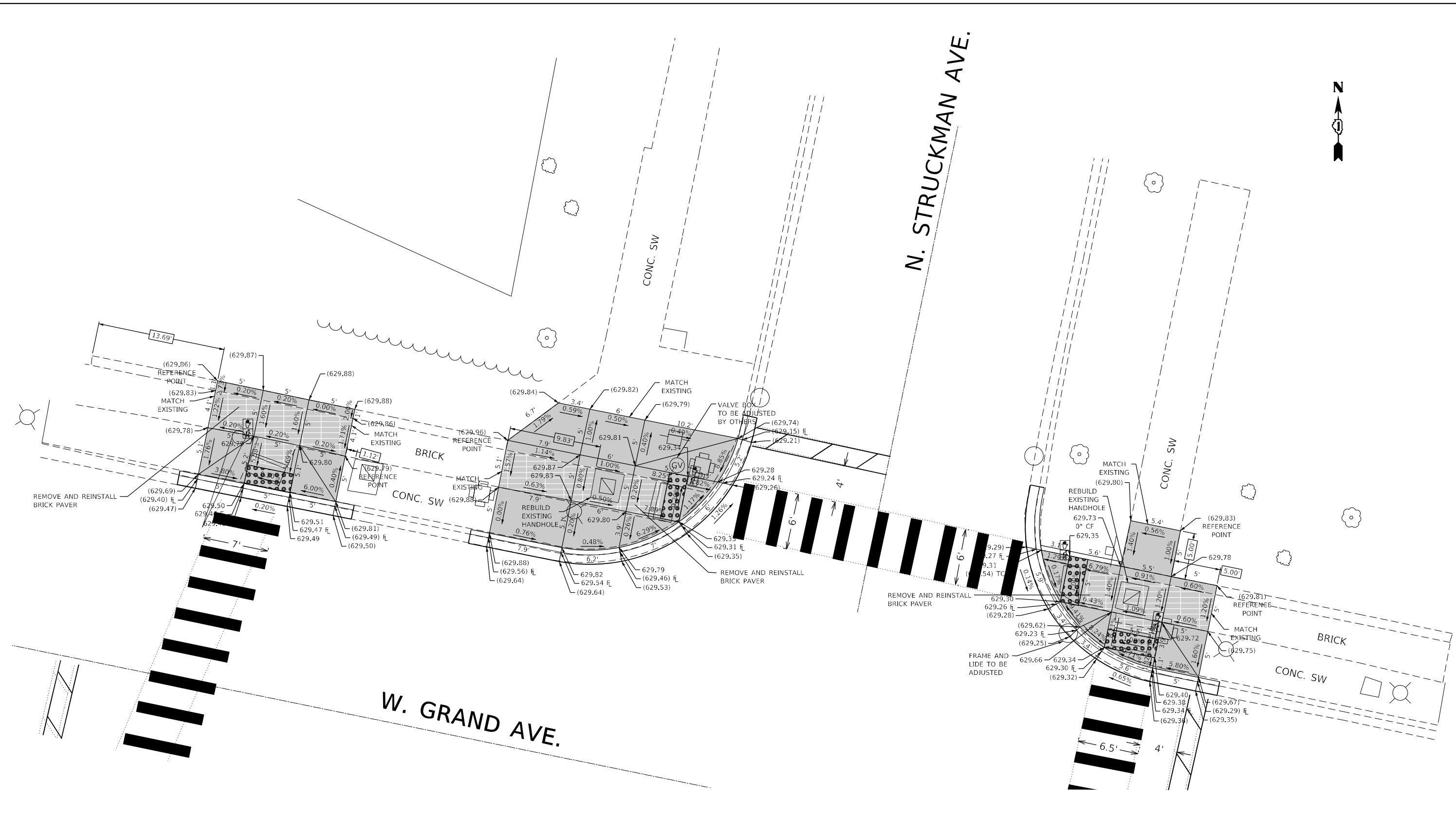
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 GRAND AVE (ELM ST TO E/O 77TH CT AND 74TH CT TO IL 43)

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PLOT DATE = 2/7/2022	DATE -	REVISED -

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	2021-083-R5&SW	COOK	79	26
CONTRACT NO. 62N99				
ILLINOIS FED. AID PROJECT				

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REFERENCE BENCHMARK ELEV 636.150  
 BENCHMARK :N EAST BOLT ON THE FIRE HYDRANT  
 LOCATION : S EAST CORNER OF GRAND AVE AND OAK ST

LEGEND	
xx.xx'	EXISTING LENGTH
=====	PROPOSED SIDE CURB
( )	EXISTING ELEVATION/SLOPE
[Solid Grey Box]	PROPOSED SIDEWALK
[Grid Pattern Box]	REMOVE AND REINSTALL BRICK PAVER
[Grid Pattern with Dots Box]	DETECTABLE WARNINGS
[Cross-hatch Pattern Box]	SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

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PLOT DATE = 2/7/2022	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

**SIDEWALK DETAIL PLAN**  
**GRAND AVE (ELM ST TO EO 77TH CT AND 74TH CT TO IL 43)**  
 SCALE: SHEET OF SHEETS STA. TO STA.

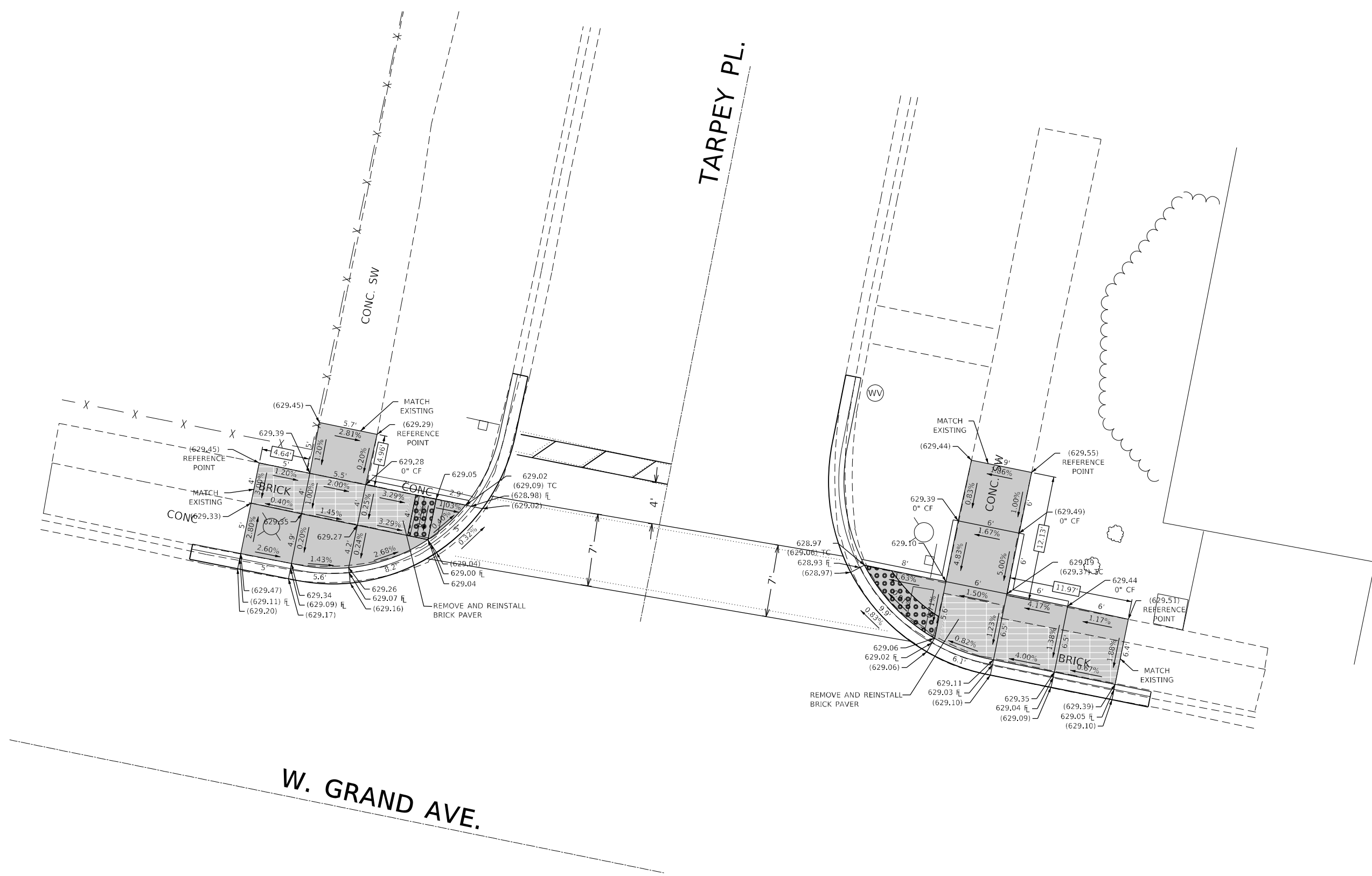
F.A.U. RTE. 1376	SECTION 2021-083-R5&SW	COUNTY COOK	TOTAL SHEETS 79	SHEET NO. 27
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N99	





TARPEY PL.

W. GRAND AVE.



**LEGEND**

- xx.xx' EXISTING LENGTH
- PROPOSED SIDE CURB
- ( ) EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD
- REMOVE AND REINSTALL BRICK PAVER

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PLOT DATE = 2/7/2022	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**SIDEWALK DETAIL PLAN**  
 GRAND AVE (ELM ST TO EO 77TH CT AND 74TH CT TO IL 43)

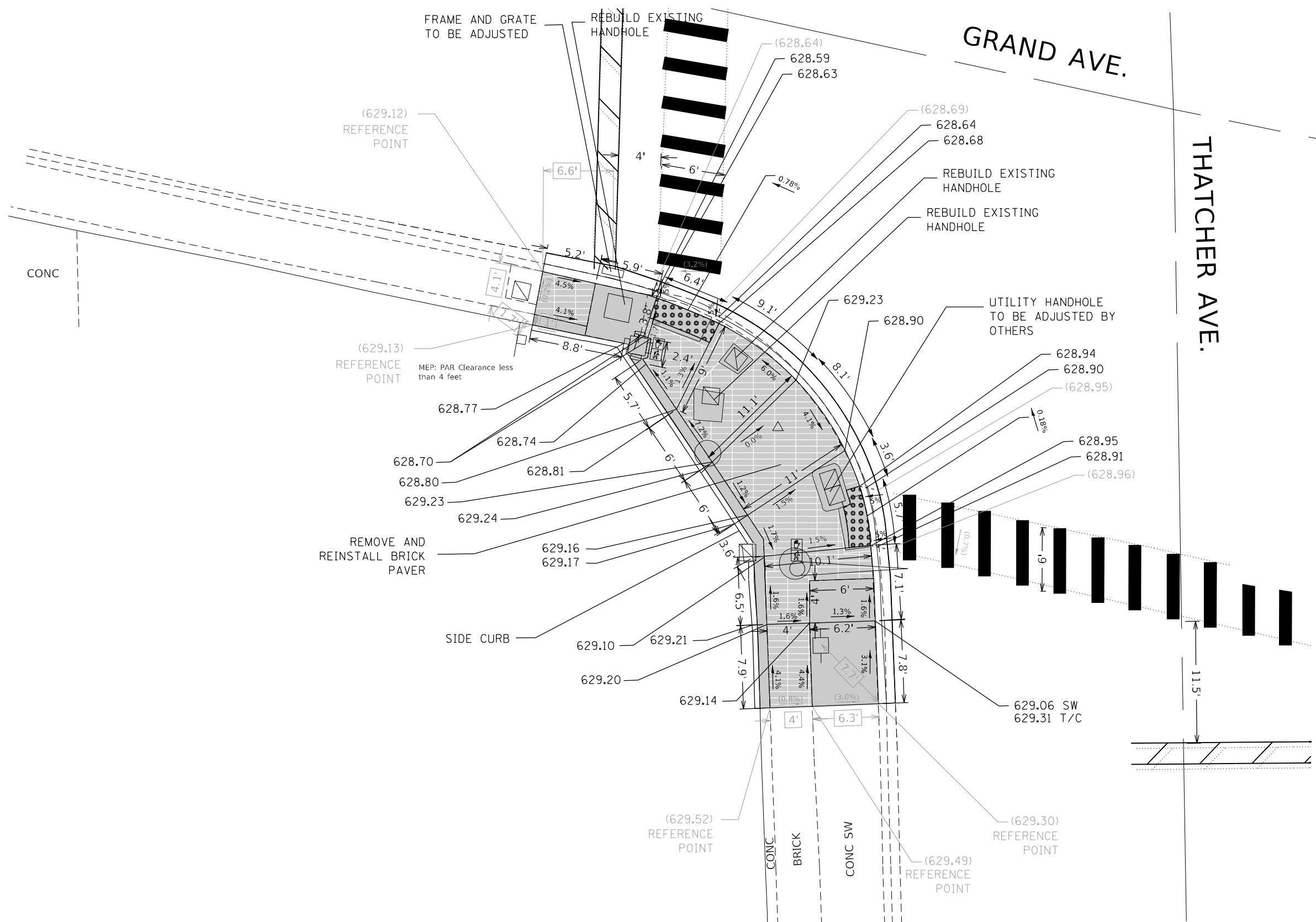
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	2021-083-R5&SW	COOK	79	29
CONTRACT NO. 62N99				
ILLINOIS FED. AID PROJECT				



GRAND AVE.

THATCHER AVE.



REFERENCE BENCHMARK ELEV 630.45  
 BENCHMARK : CUT IN THE EAST CORNER OF TCB PAD  
 LOCATION : N WEST CORNER OF GRAND AVE AND THATCHER AVE

**LEGEND**

- xx.xx' EXISTING LENGTH
- PROPOSED SIDE CURB
- EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- REMOVE AND REINSTALL BRICK PAVER
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD

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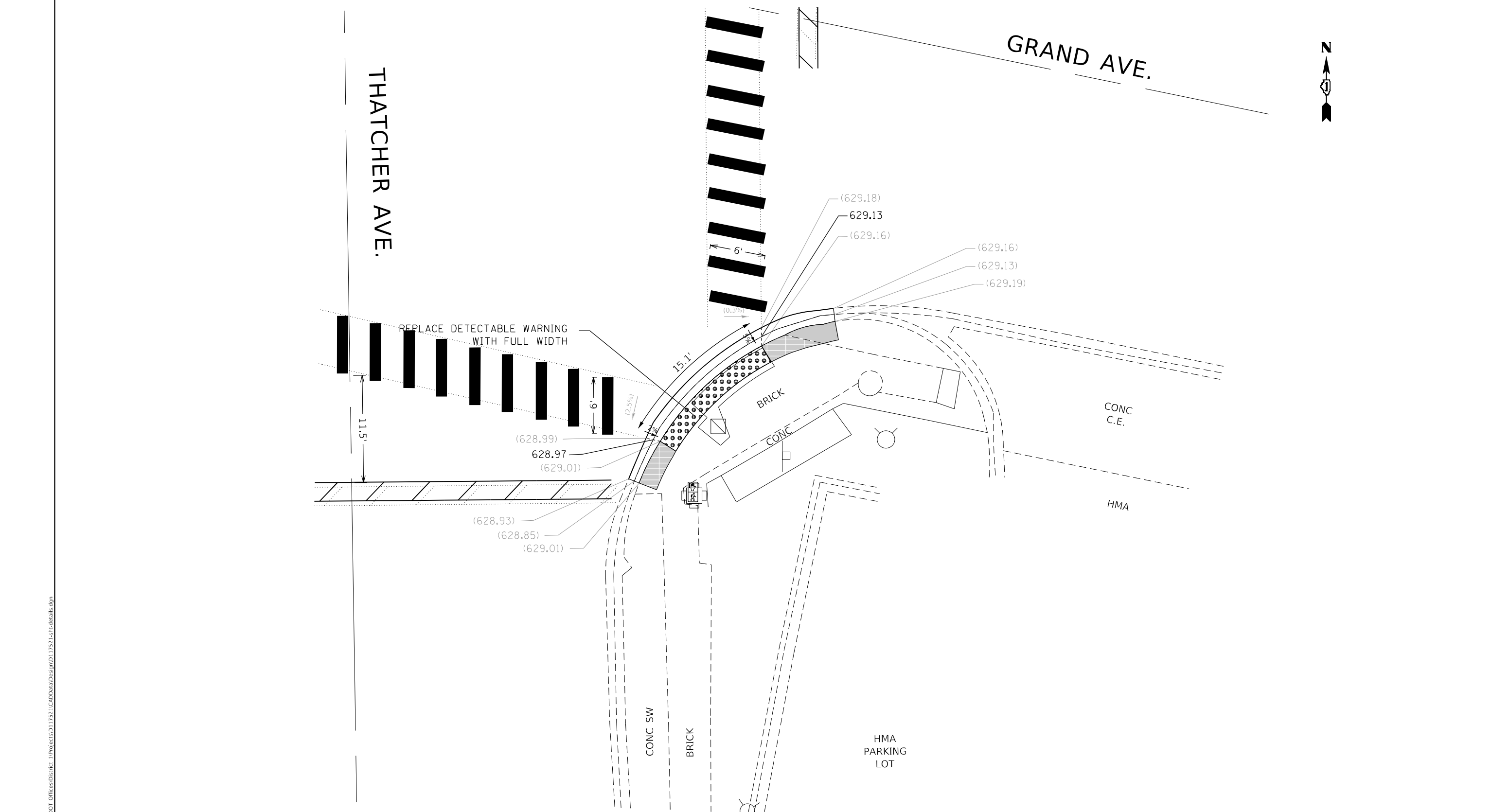
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PLOT DATE = 3/15/2022	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

**SIDEWALK DETAIL PLAN**  
 GRAND AVE (ELM ST TO EO 77TH CT AND 74TH CT TO IL 43)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	2021-083-R5&SW	COOK	79	30
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N99	



REFERENCE BENCHMARK ELEV 630.45

BENCHMARK : CUT IN THE EAST CORNER OF TCB PAD

LOCATION : N WEST CORNER OF GRAND AVE AND THATCHER AVE

**LEGEND**

xx.xx'

EXISTING LENGTH

=====

PROPOSED SIDE CURB

( )

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD



REMOVE AND REINSTALL BRICK PAVER

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**SIDEWALK DETAIL PLAN**  
**GRAND AVE (ELM ST TO E/O 77TH CT AND 74TH CT TO IL 43)**

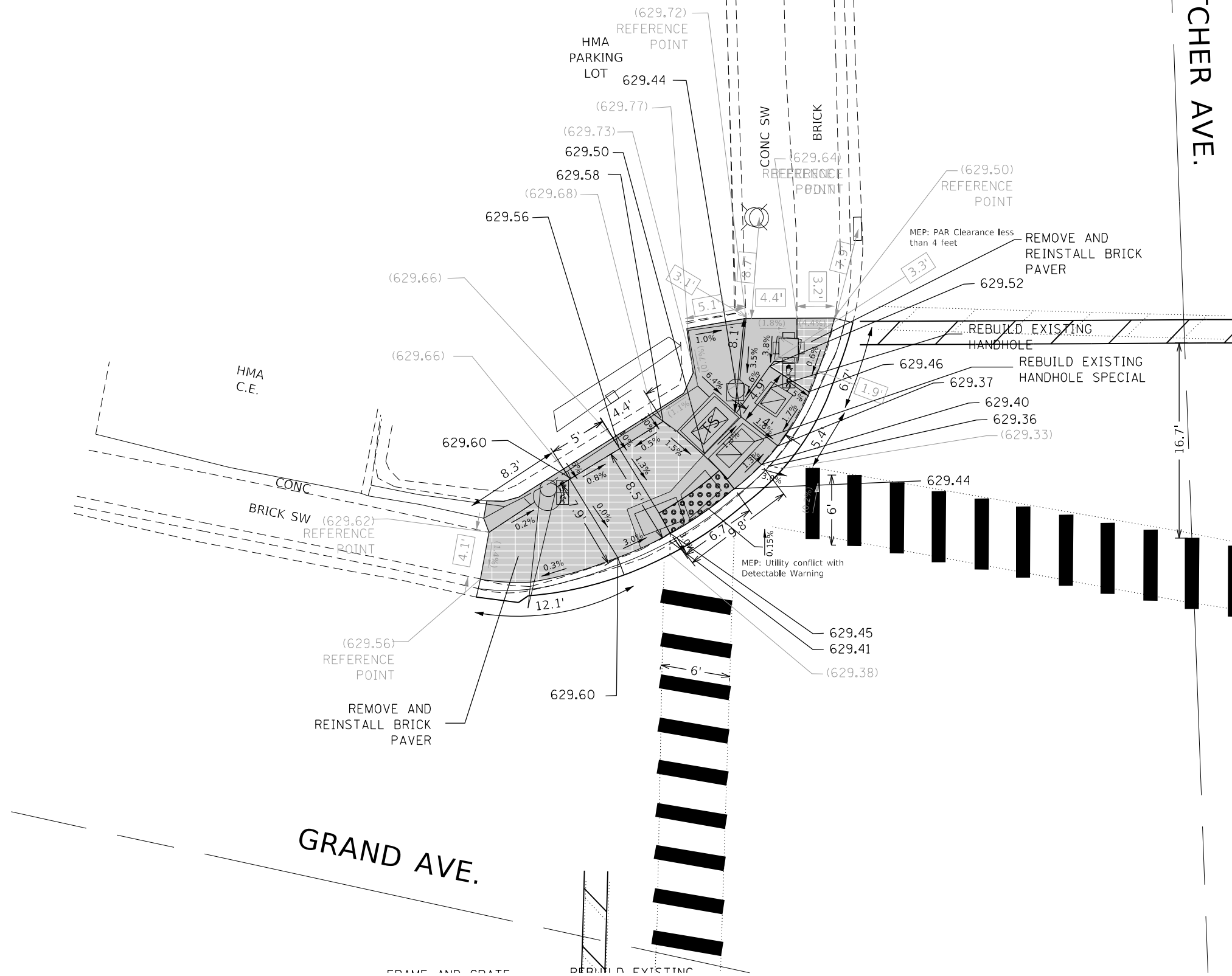
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	2021-083-R5&SW	COOK	79	31
CONTRACT NO. 62N99				
ILLINOIS FED. AID PROJECT				

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ATCHER AVE.



REFERENCE BENCHMARK ELEV 630.45

BENCHMARK : CUT IN THE EAST CORNER OF TCB PAD

LOCATION : N WEST CORNER OF GRAND AVE AND THATCHER AVE

**LEGEND**

xx.xx'

EXISTING LENGTH

====

PROPOSED SIDE CURB

( )

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD



REMOVE AND REINSTALL BRICK PAVER

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL PLAN  
GRAND AVE (ELM ST TO EO 77TH CT AND 74TH CT TO IL 43)

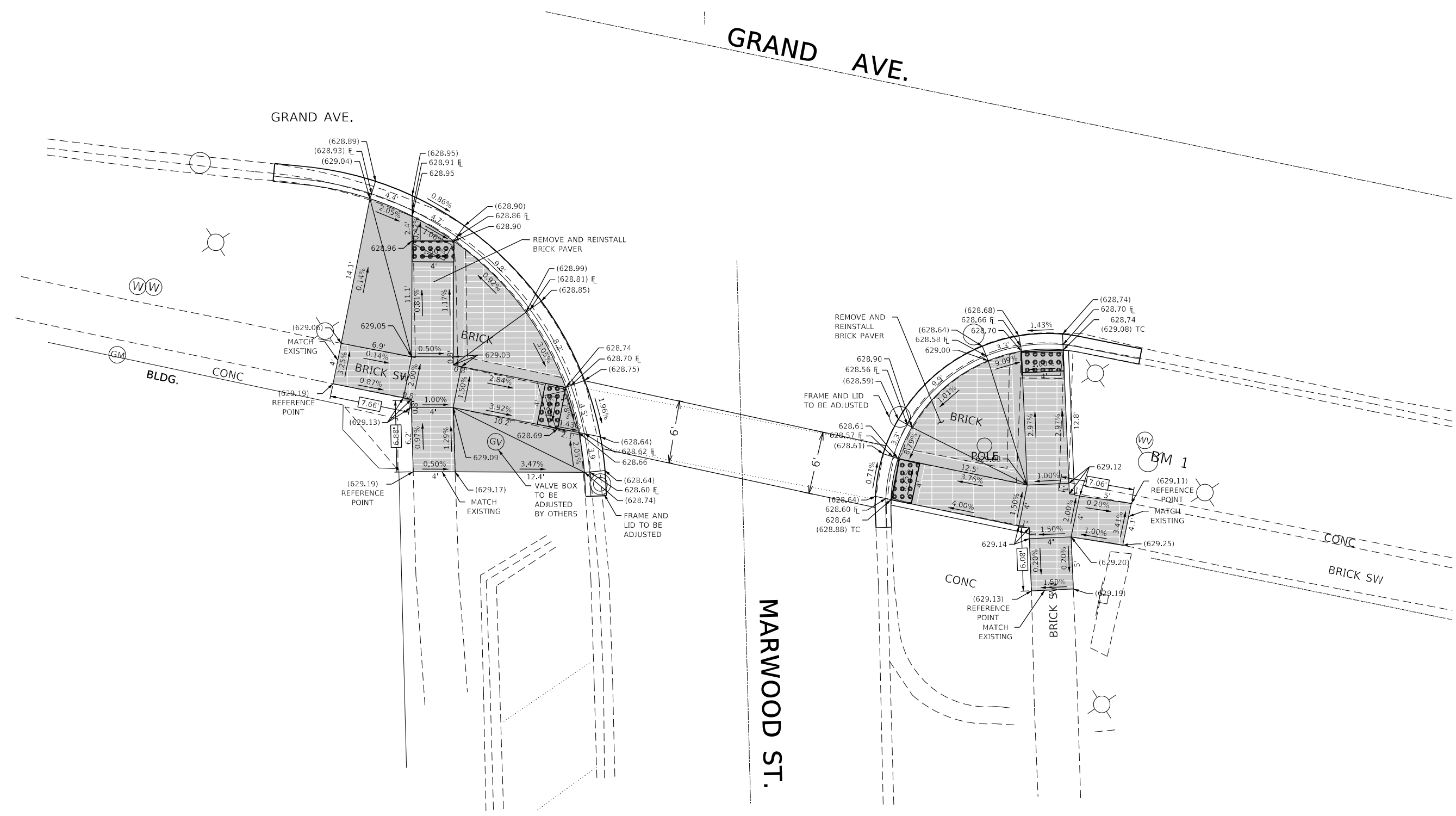
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	2021-083-R5&SW	COOK	79	32
CONTRACT NO. 62N99				
ILLINOIS FED. AID PROJECT				

MODEL: Default  
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REFERENCE BENCHMARK ELEV 630.873

BENCHMARK : S EAST BOLT ON THE FIRE HYDRANT

LOCATION : S EAST CORNER OF GRAND AVE AND MARWOOD ST

**LEGEND**

xx.xx'

EXISTING LENGTH

=====

PROPOSED SIDE CURB

( )

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD



REMOVE AND REINSTALL BRICK PAVER

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

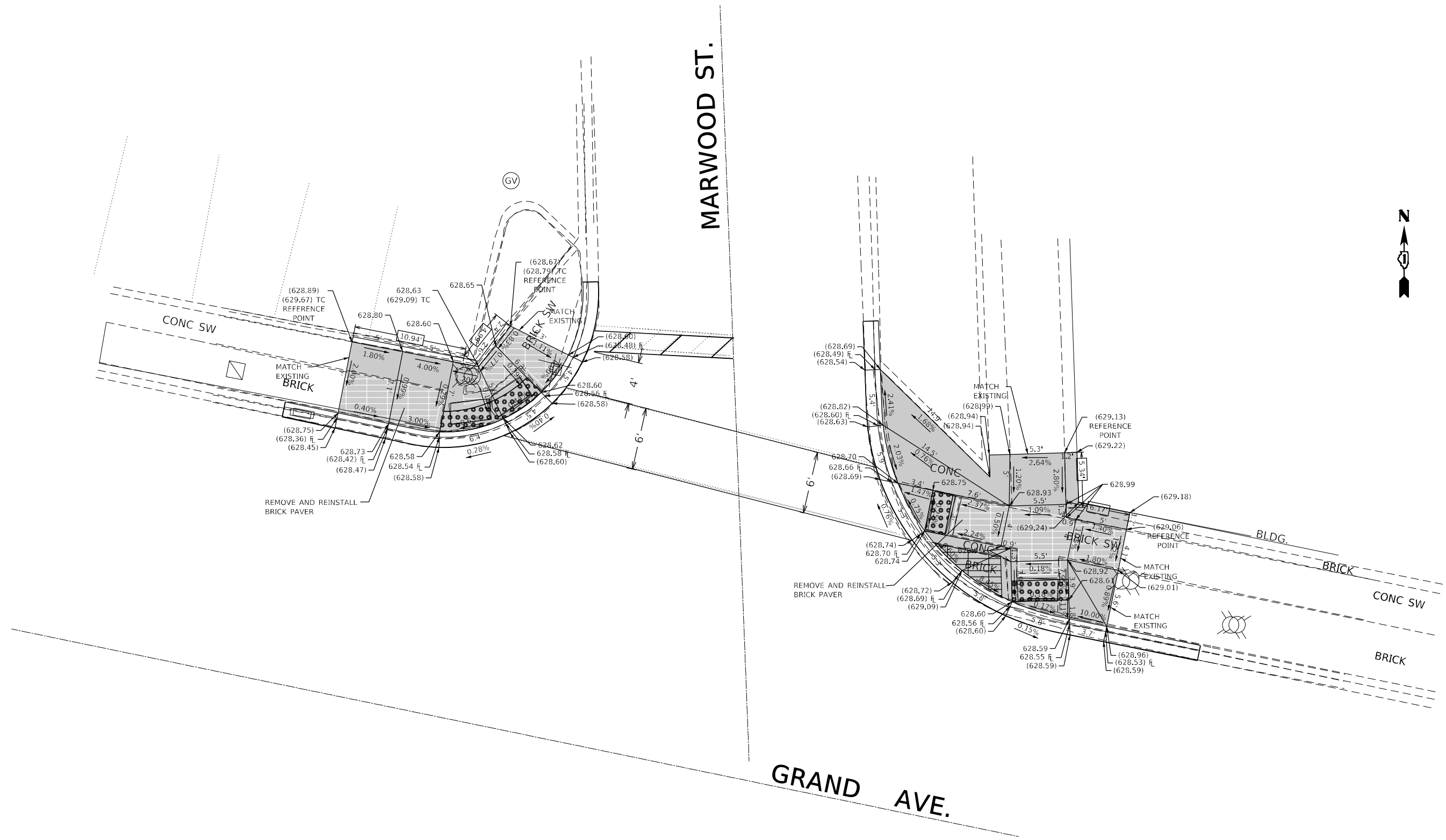
**SIDEWALK DETAIL PLAN**  
**GRAND AVE (ELM ST TO E0 77TH CT AND 74TH CT TO IL 43)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	2021-083-R5&SW	COOK	79	34
CONTRACT NO. 62N99				
ILLINOIS FED. AID PROJECT				

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REFERENCE BENCHMARK ELEV 630.873  
 BENCHMARK : S EAST BOLT ON THE FIRE HYDRANT  
 LOCATION : S EAST CORNER OF GRAND AVE AND MARWOOD ST

**LEGEND**

<span style="border: 1px solid black; padding: 2px;">xx.xx'</span>	EXISTING LENGTH		PROPOSED SIDEWALK		REMOVE AND REINSTALL BRICK PAVER
	PROPOSED SIDE CURB		DETECTABLE WARNINGS		SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD
( )	EXISTING ELEVATION/SLOPE				

USER NAME = kalorm	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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PLOT DATE = 2/7/2022	DATE -	REVISED -

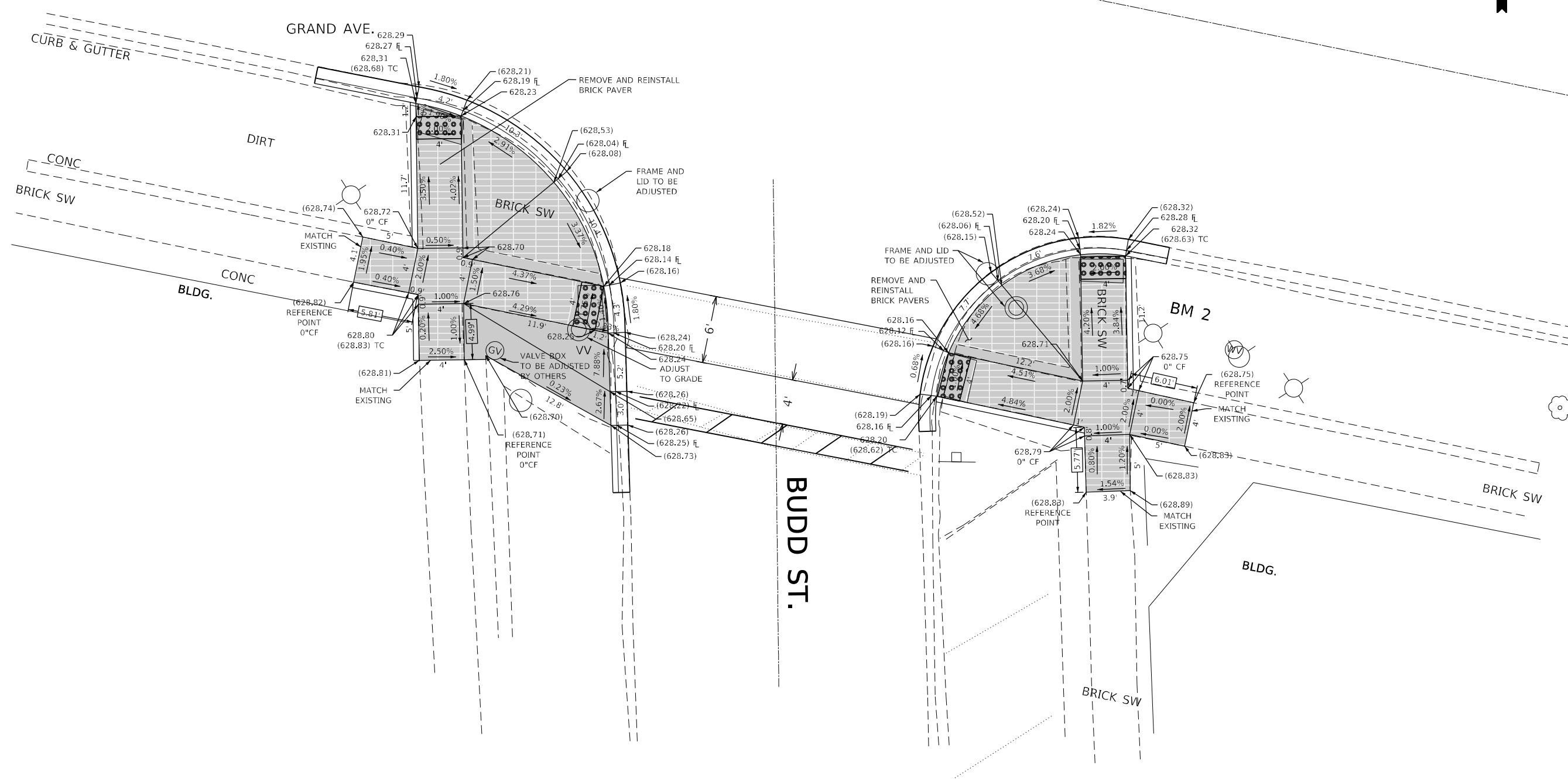
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

SIDEWALK DETAIL PLAN			
GRAND AVE (ELM ST TO E0 77TH CT AND 74TH CT TO IL 43)			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	2021-083-R5&SW	COOK	79	35
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N99	



GRAND AVE.



REFERENCE BENCHMARK ELEV 628.993  
 BENCHMARK : SQUARE ON THE CONCRETE BASE OF POLE  
 LOCATION : SOUTH EAST CORNER OF GRAND AVE AND BUDD ST

**LEGEND**

- xx.xx' EXISTING LENGTH
- PROPOSED SIDE CURB
- ( ) EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- REMOVE AND REINSTALL BRICK PAVER
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD

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PLOT DATE = 2/7/2022	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

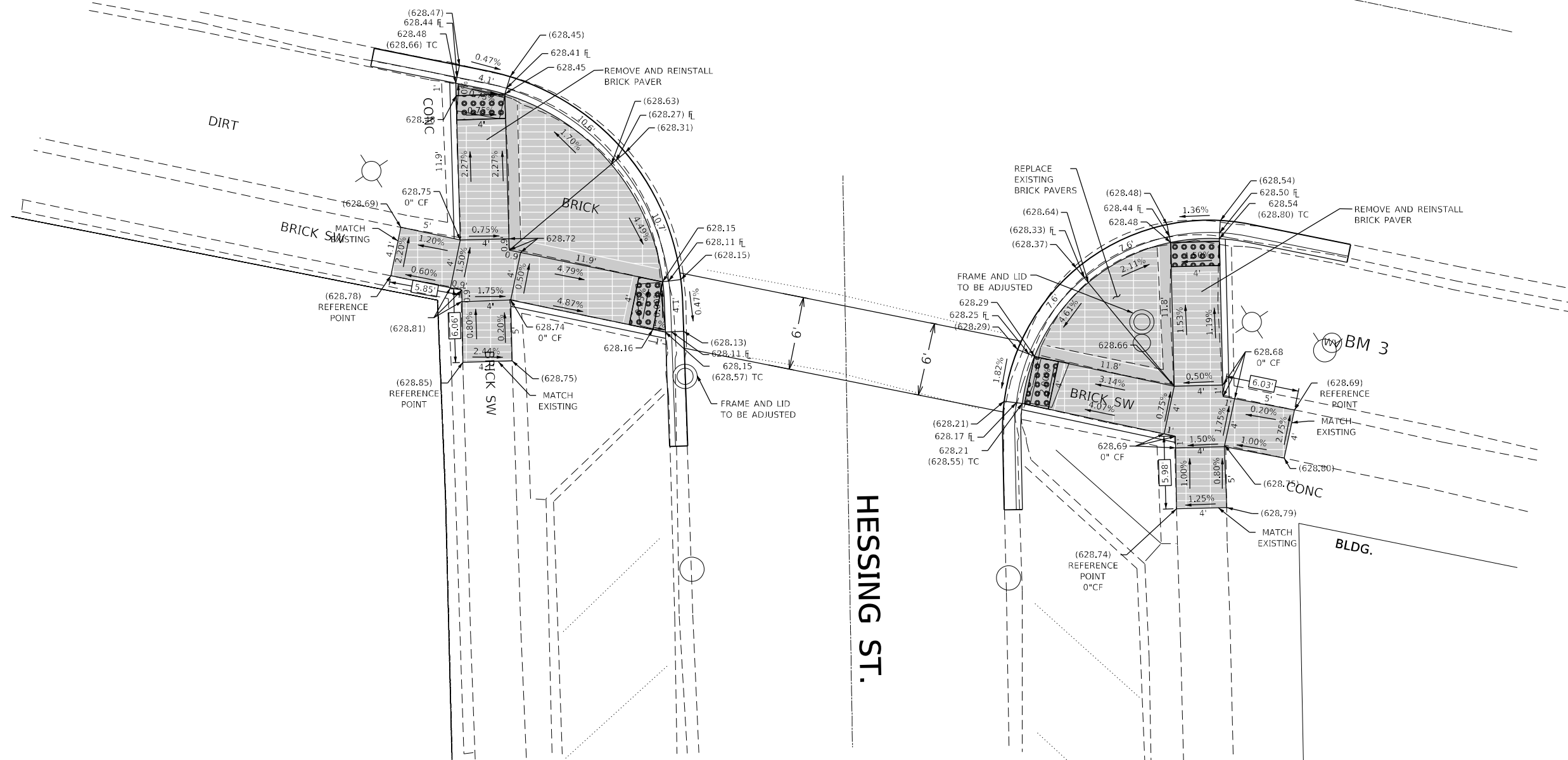
**SIDEWALK DETAIL PLAN**  
**GRAND AVE (ELM ST TO EO 77TH CT AND 74TH CT TO IL 43)**

SCALE:      SHEET      OF      SHEETS      STA.      TO      STA.

F.A.U. RTE. 1376	SECTION 2021-083-R5&SW	COUNTY COOK	TOTAL SHEETS 79	SHEET NO. 36
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N99	



GRAND AVE.



REFERENCE BENCHMARK ELEV 630.460  
 BENCHMARK : S EAST BOLT ON THE FIRE HYDRANT  
 LOCATION : S EAST CORNER OF GRAND AVE AND HESSING ST

**LEGEND**

- XX.XX' EXISTING LENGTH
- PROPOSED SIDE CURB
- ( ) EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD
- REMOVE AND REINSTALL BRICK PAVER

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

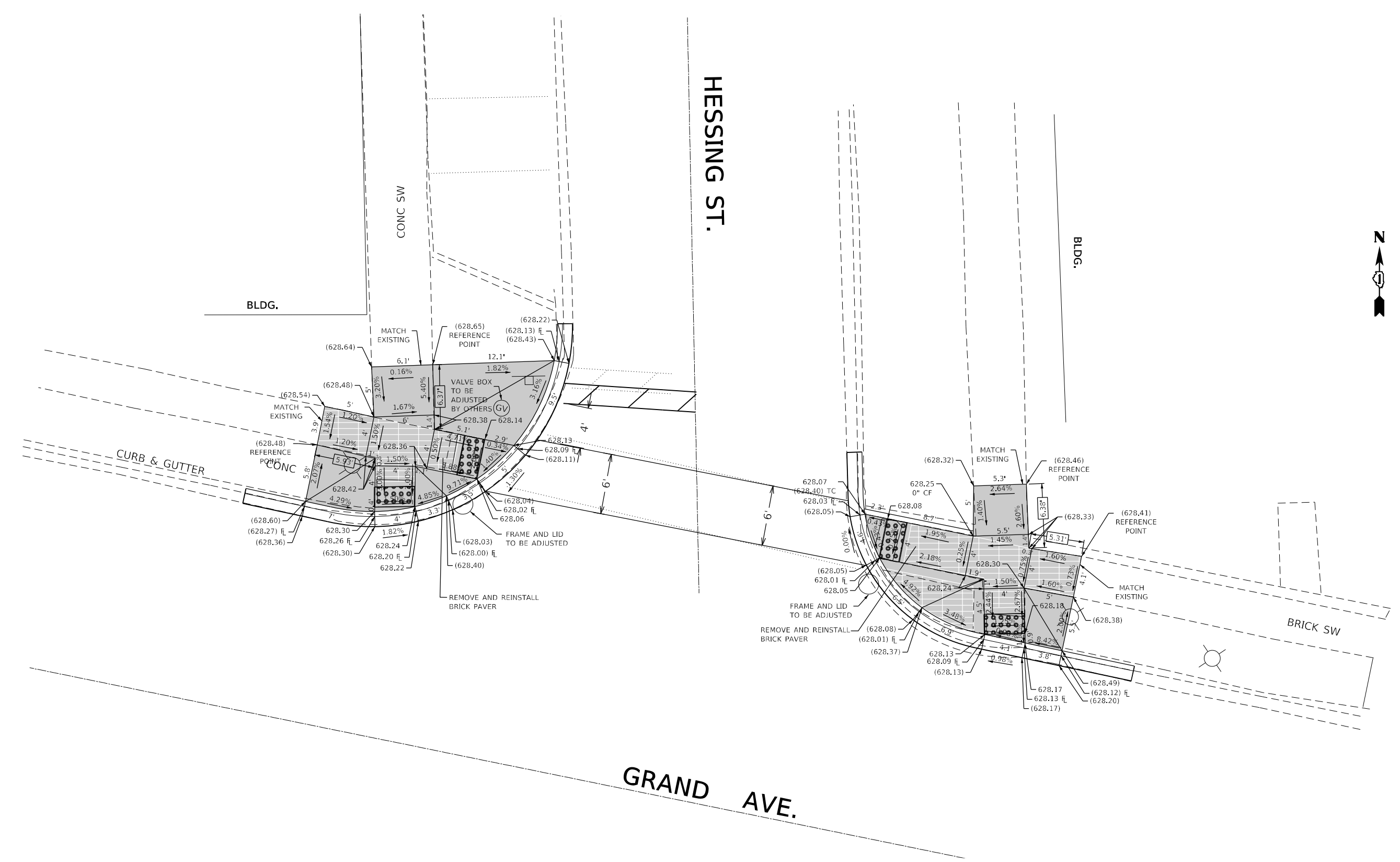
**SIDEWALK DETAIL PLAN**  
 GRAND AVE (ELM ST TO EO 77TH CT AND 74TH CT TO IL 43)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	2021-083-R5&SW	COOK	79	38
CONTRACT NO. 62N99				
ILLINOIS FED. AID PROJECT				

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REFERENCE BENCHMARK ELEV 630.460  
BENCHMARK : S EAST BOLT ON THE FIRE HYDRANT  
LOCATION : S EAST CORNER OF GRAND AVE AND HESSING ST

LEGEND	
XX.XX'	EXISTING LENGTH
====	PROPOSED SIDE CURB
( )	EXISTING ELEVATION/SLOPE
[Solid Grey Box]	PROPOSED SIDEWALK
[Grid Pattern Box]	REMOVE AND REINSTALL BRICK PAVER
[Dotted Pattern Box]	DETECTABLE WARNINGS
[Cross-hatch Pattern Box]	SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

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	DRAWN -	REVISED -
PLOT SCALE = 10,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 2/7/2022	DATE -	REVISED -

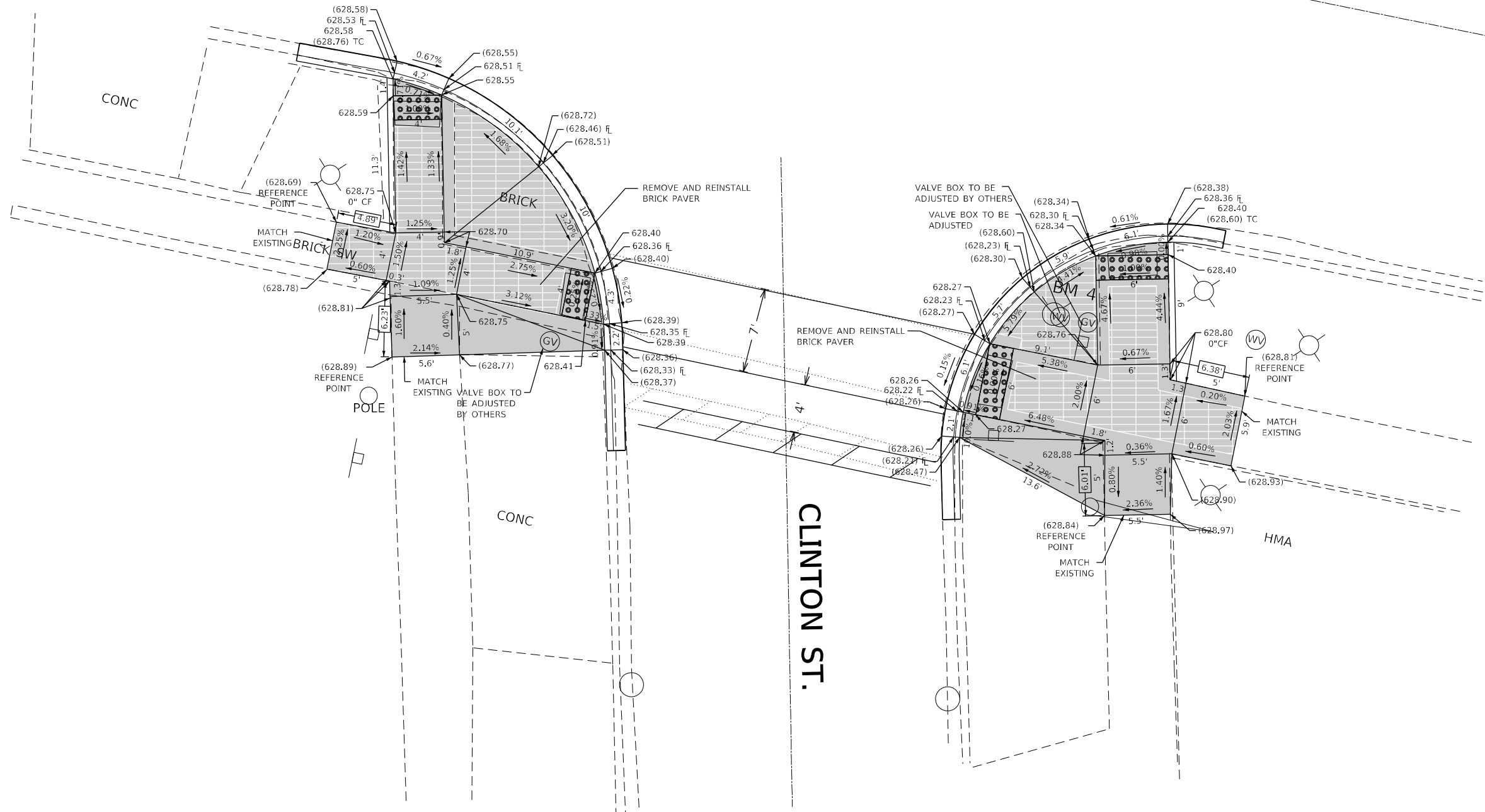
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**SIDEWALK DETAIL PLAN**  
**GRAND AVE (ELM ST TO EO 77TH CT AND 74TH CT TO IL 43)**

F.A.U. RTE. 1376	SECTION 2021-083-R5&SW	COUNTY COOK	TOTAL SHEETS 79	SHEET NO. 39
CONTRACT NO. 62N99				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

GRAND AVE.



REFERENCE BENCHMARK ELEV 630.710  
 BENCHMARK : TOP OF THE FIRE HYDRANT  
 LOCATION : S EAST CORNER OF GRAND AVE AND CLINTON ST

**LEGEND**

- xx.xx' EXISTING LENGTH
- PROPOSED SIDE CURB
- ( ) EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD
- REMOVE AND REINSTALL BRICK PAVER

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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

**SIDEWALK DETAIL PLAN**  
 GRAND AVE (ELM ST TO E/O 77TH CT AND 74TH CT TO IL 43)

SCALE: SHEET OF SHEETS STA. TO STA.

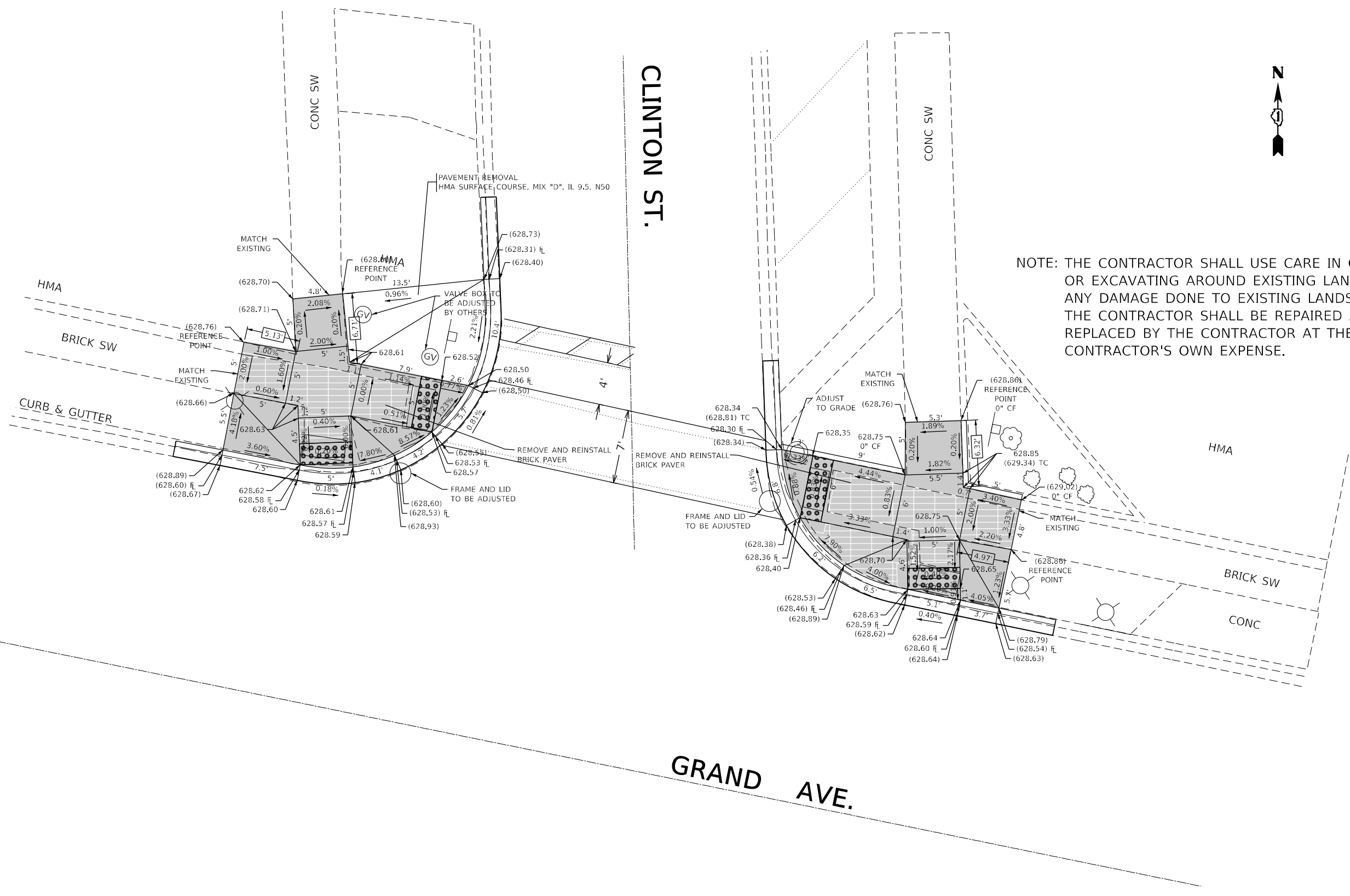
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	2021-083-R5&SW	COOK	79	40
CONTRACT NO. 62N99				
ILLINOIS FED. AID PROJECT				





CLINTON ST.

GRAND AVE.



NOTE: THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING AROUND EXISTING LANDSCAPE. ANY DAMAGE DONE TO EXISTING LANDSCAPE BY THE CONTRACTOR SHALL BE REPAIRED AND/OR REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.

REFERENCE BENCHMARK ELEV 630.710  
 BENCHMARK : TOP OF THE FIRE HYDRANT  
 LOCATION : S EAST CORNER OF GRAND AVE AND CLINTON ST

**LEGEND**

xx.xx'	EXISTING LENGTH		PROPOSED SIDEWALK		REMOVE AND REINSTALL BRICK PAVER
	PROPOSED SIDE CURB		DETECTABLE WARNINGS		SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD
( )	EXISTING ELEVATION/SLOPE				

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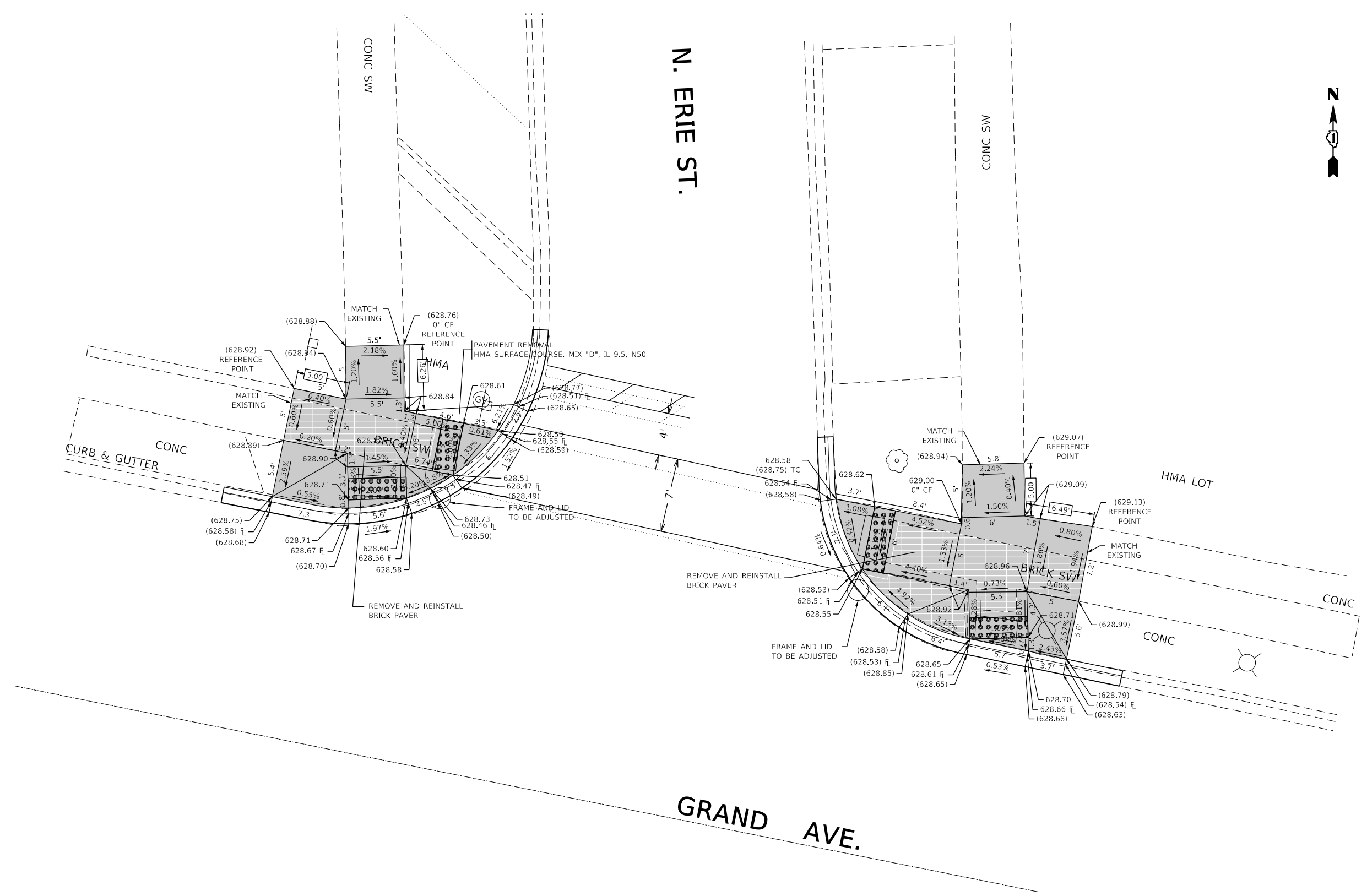
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

**SIDEWALK DETAIL PLAN**  
 GRAND AVE (ELM ST TO EO 77TH CT AND 74TH CT TO IL 43)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE. 1376	SECTION 2021-083-R5&SW	COUNTY COOK	TOTAL SHEETS 79	SHEET NO. 41
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N99	





REFERENCE BENCHMARK ELEV 631.036  
 BENCHMARK : TOP OF THE FIRE HYDRANT  
 LOCATION : S EAST CORNER OF GRAND AVE AND ERIE ST

**LEGEND**

- xx.xx' EXISTING LENGTH
- PROPOSED SIDE CURB
- ( ) EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD
- REMOVE AND REINSTALL BRICK PAVER

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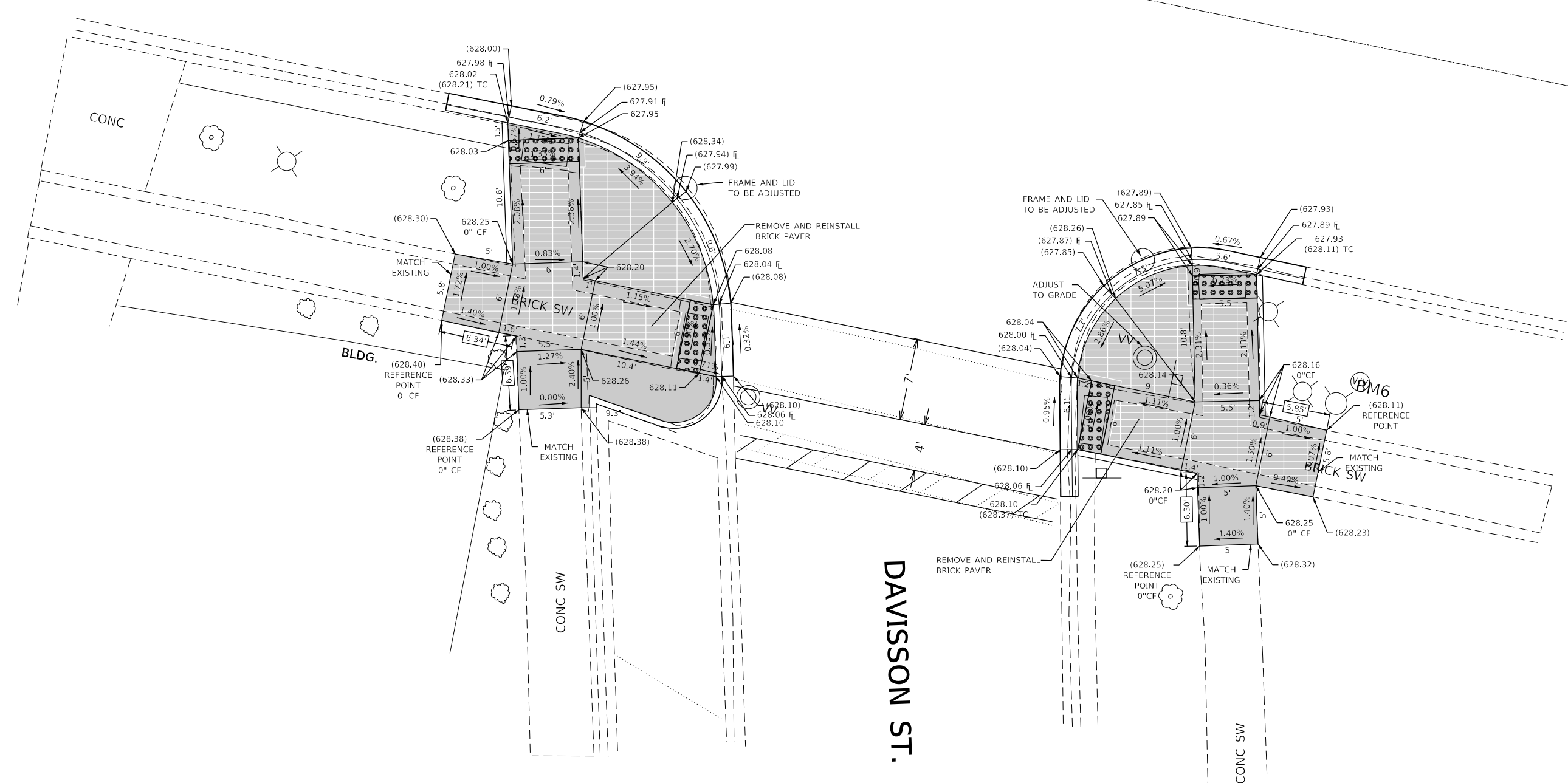
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PLOT DATE = 2/7/2022	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SIDEWALK DETAIL PLAN**  
**GRAND AVE (ELM ST TO E/O 77TH CT AND 74TH CT TO IL 43)**  
 SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	2021-083-R5&SW	COOK	79	43
CONTRACT NO. 62N99				
ILLINOIS FED. AID PROJECT				

GRAND AVE.



REFERENCE BENCHMARK ELEV 629.652

BENCHMARK : S WEST BOLT ON THE FIRE HYDRANT

LOCATION : S EAST CORNER OF GRAND AVE AND DAVISSON ST

**LEGEND**

xx.xx'

EXISTING LENGTH

=====

PROPOSED SIDE CURB

( )

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD



REMOVE AND REINSTALL BRICK PAVER

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**SIDEWALK DETAIL PLAN**  
GRAND AVE (ELM ST TO E0 77TH CT AND 74TH CT TO IL 43)

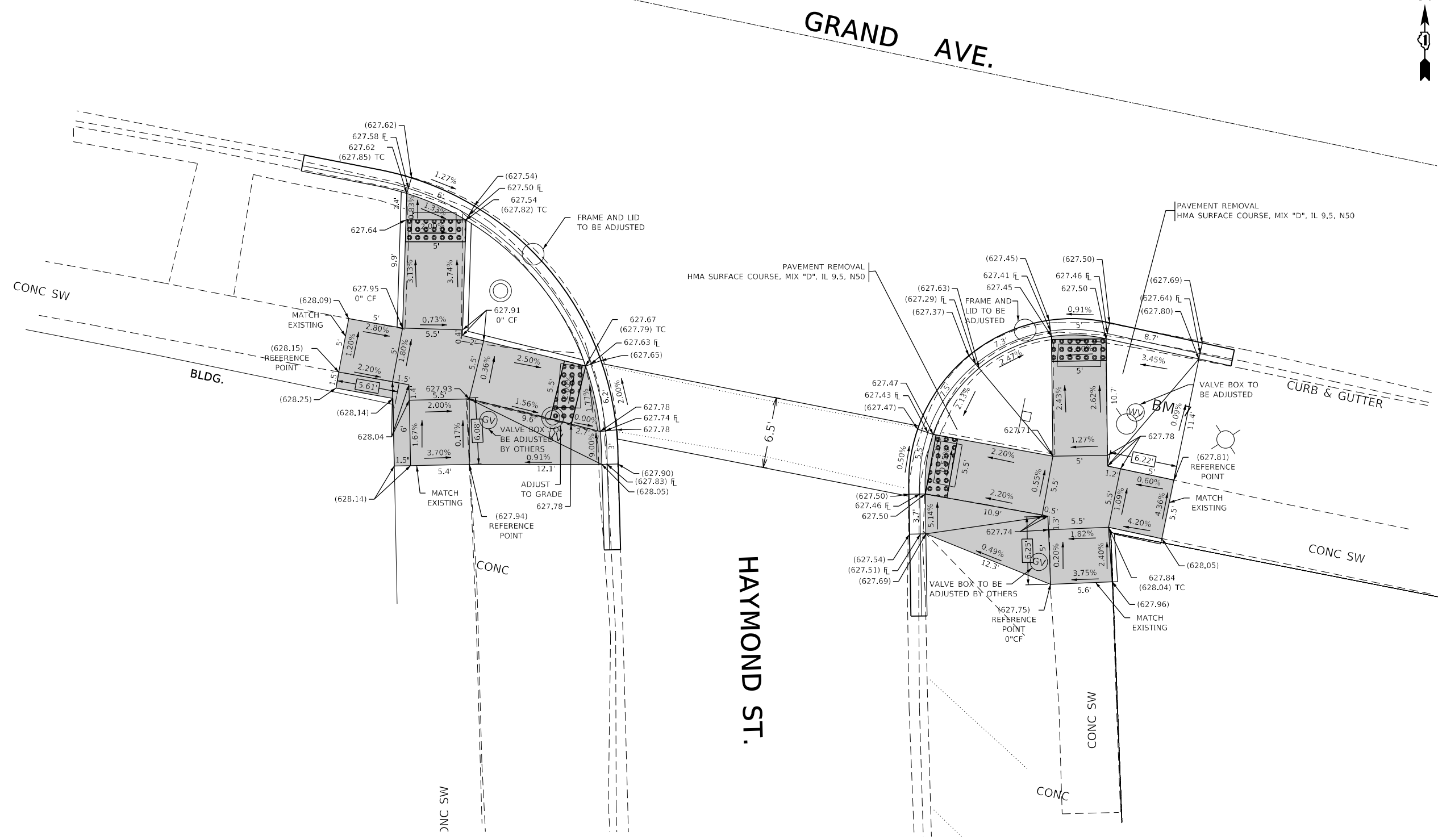
SCALE: SHEET OF SHEETS STA. TO STA.

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PLOT DATE = 2/7/2022	DATE -	REVISED -

F.A.U. RTE. 1376	SECTION 2021-083-R5&SW	COUNTY COOK	TOTAL SHEETS 79	SHEET NO. 44
CONTRACT NO. 62N99				
ILLINOIS FED. AID PROJECT				

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**LEGEND**

- xx.xx' EXISTING LENGTH
- PROPOSED SIDE CURB
- ( ) EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD
- REMOVE AND REINSTALL BRICK PAVER

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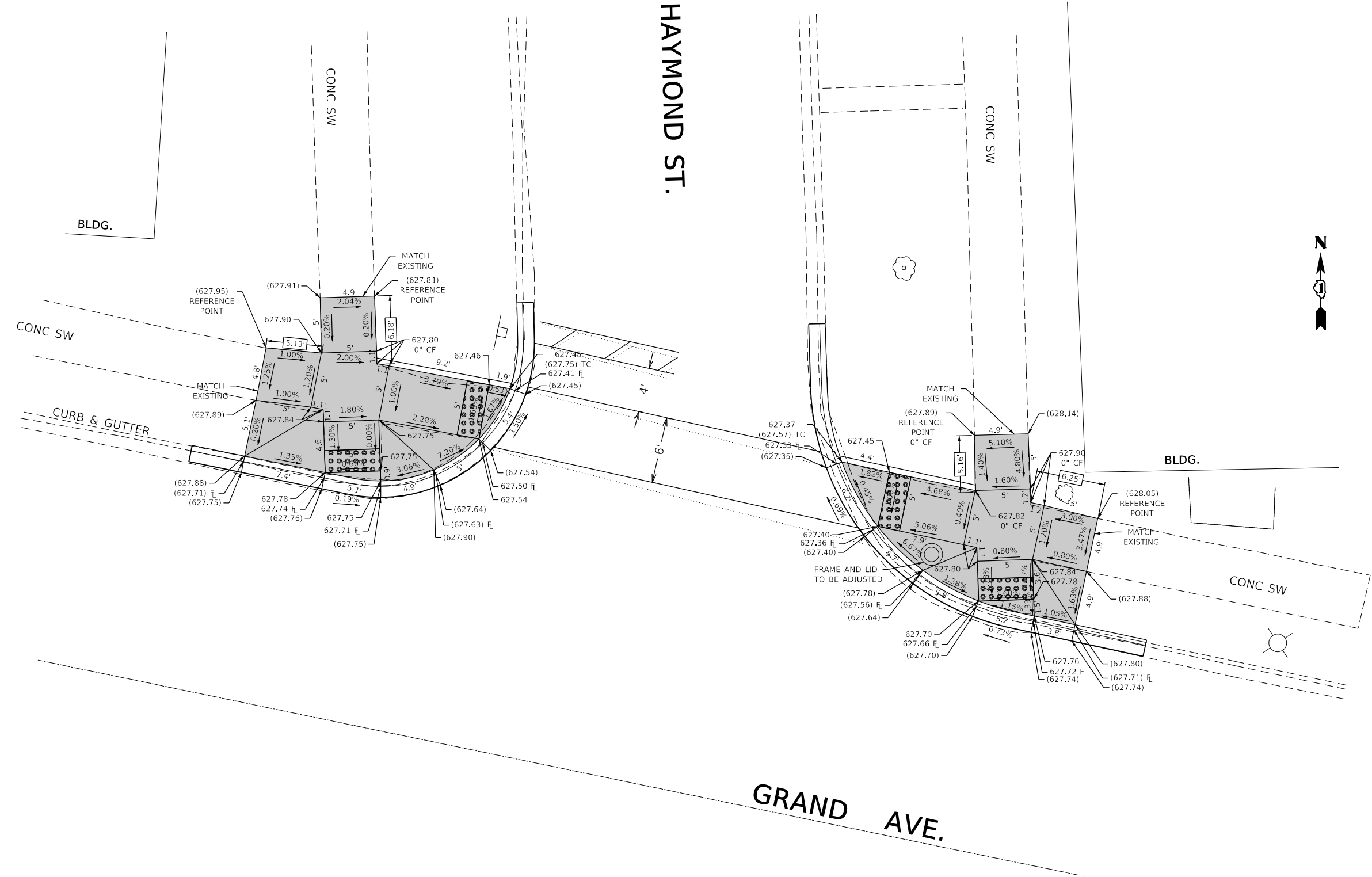
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**SIDEWALK DETAIL PLAN**  
**GRAND AVE (ELM ST TO E/O 77TH CT AND 74TH CT TO IL 43)**  
 SCALE:      SHEET      OF      SHEETS      STA.      TO      STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	2021-083-RS&SW	COOK	79	46
CONTRACT NO. 62N99				
ILLINOIS FED. AID PROJECT				

HAYMOND ST.



**LEGEND**

- xx.xx' EXISTING LENGTH
- PROPOSED SIDE CURB
- ( ) EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD
- REMOVE AND REINSTALL BRICK PAVER

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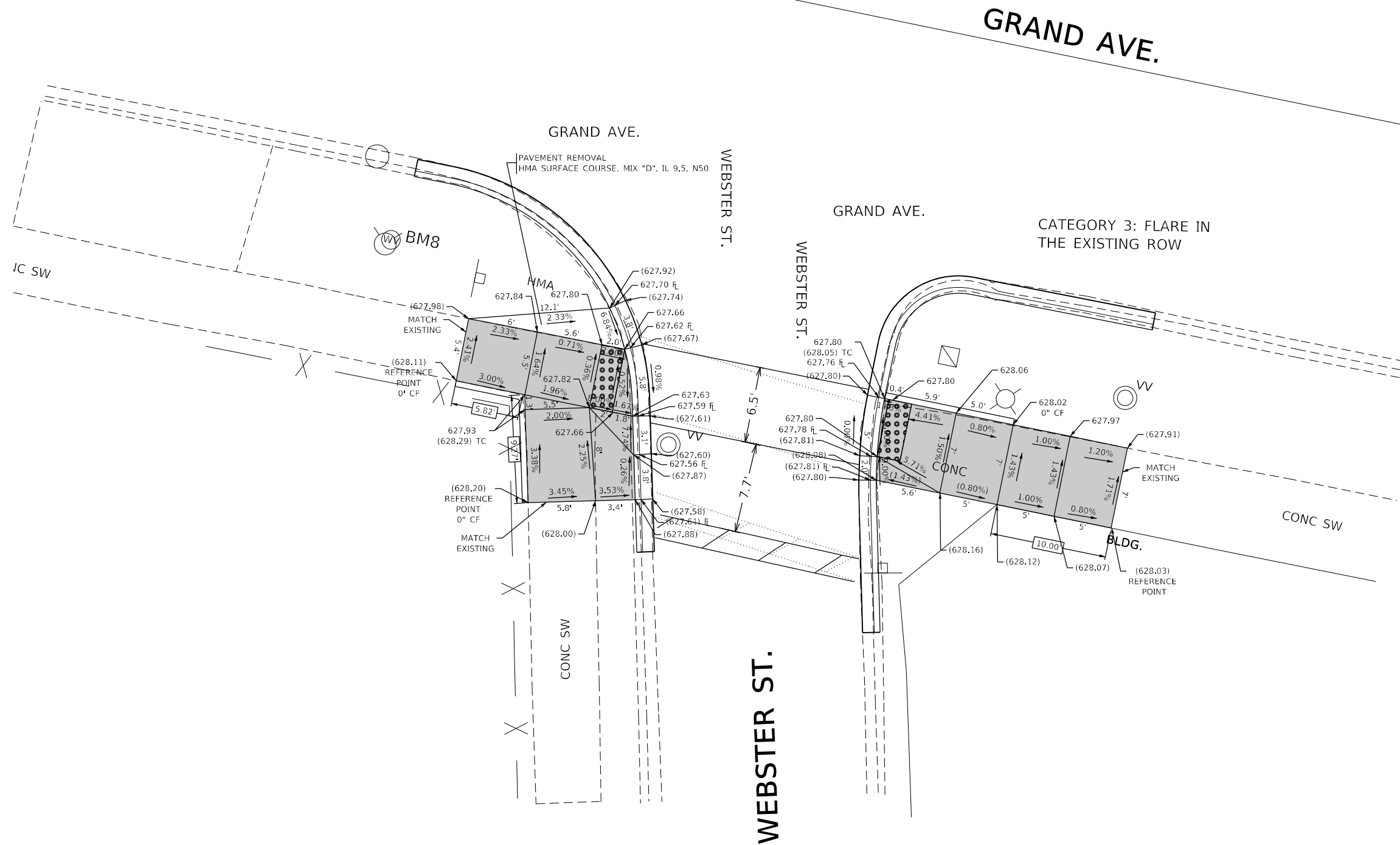
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PLOT DATE = 2/7/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**SIDEWALK DETAIL PLAN**  
**GRAND AVE (ELM ST TO EO 77TH CT AND 74TH CT TO IL 43)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	2021-083-R5&SW	COOK	79	47
CONTRACT NO. 62N99				
ILLINOIS FED. AID PROJECT				



REFERENCE BENCHMARK ELEV 629.518

BENCHMARK : S EAST BOLT ON THE FILE HYDRANT

LOCATION : S WEST CORNER OF GRAND AVE AND WEBSTER ST

**LEGEND**

xx.xx'

EXISTING LENGTH

=====

PROPOSED SIDE CURB

( )

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD



REMOVE AND REINSTALL BRICK PAVER

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SIDEWALK DETAIL PLAN  
GRAND AVE (ELM ST TO E/O 77TH CT AND 74TH CT TO IL 43)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	2021-083-R5&SW	COOK	79	48
CONTRACT NO. 62N99				
ILLINOIS FED. AID PROJECT				

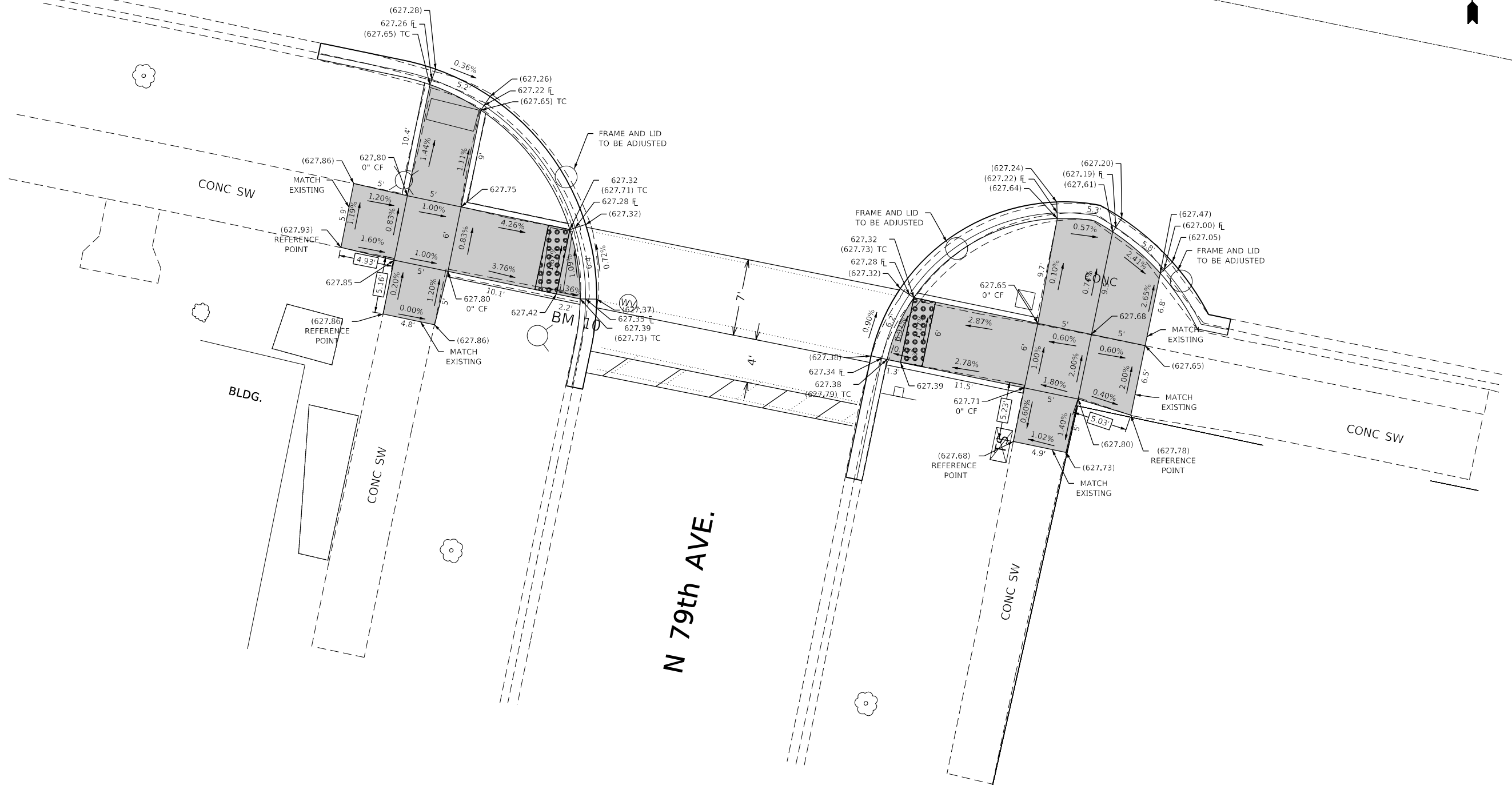
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GRAND AVE.



REFERENCE BENCHMARK ELEV 629.829  
 BENCHMARK : TOP OF THE FIRE HYDRANT  
 LOCATION : S WEST CORNER OF GRAND AVE AND 79TH AVE

**LEGEND**

xx.xx'

EXISTING LENGTH



PROPOSED SIDE CURB

( )

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL  
 REPLACE W/TOPSOIL & SOD



REMOVE AND REINSTALL BRICK PAVER

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

**SIDEWALK DETAIL PLAN**  
 GRAND AVE (ELM ST TO EO 77TH CT AND 74TH CT TO IL 43)

USER NAME = kalorm	DESIGNED -	REVISED -
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PLOT DATE = 2/7/2022	DATE -	REVISED -

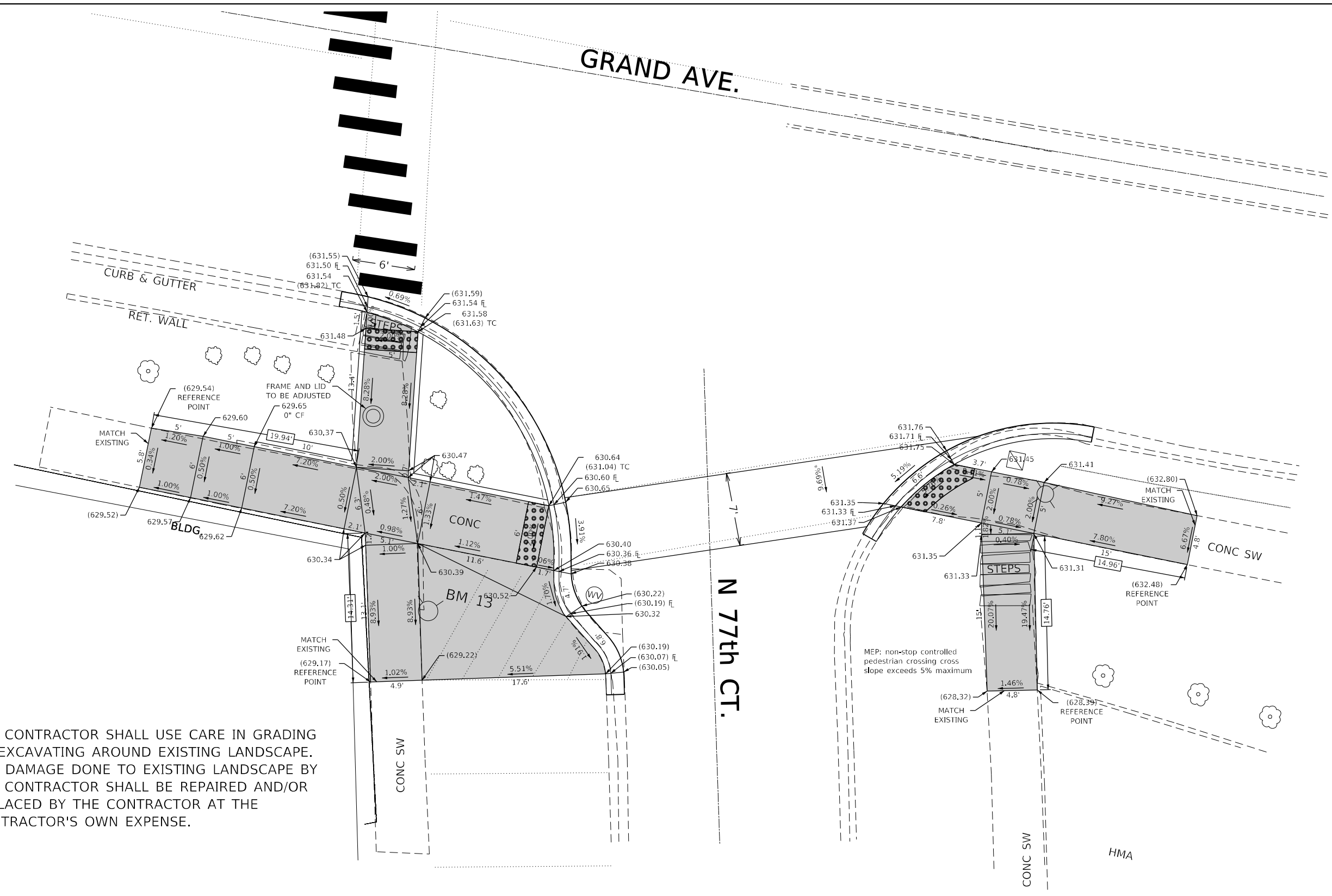
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F.A.U. RTE. 1376	SECTION 2021-083-R5&SW	COUNTY COOK	TOTAL SHEETS 79	SHEET NO. 51
CONTRACT NO. 62N99				
ILLINOIS FED. AID PROJECT				

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NOTE: THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING AROUND EXISTING LANDSCAPE. ANY DAMAGE DONE TO EXISTING LANDSCAPE BY THE CONTRACTOR SHALL BE REPAIRED AND/OR REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.

REFERENCE BENCHMARK ELEV 631.460  
 BENCHMARK : TOP OF THE FIRE HYDRANT  
 LOCATION : S WEST CORNER OF GRAND AVE AND 77TH CT

**LEGEND**

- xx.xx' EXISTING LENGTH
- PROPOSED SIDE CURB
- ( ) EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- REMOVE AND REINSTALL BRICK PAVER
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

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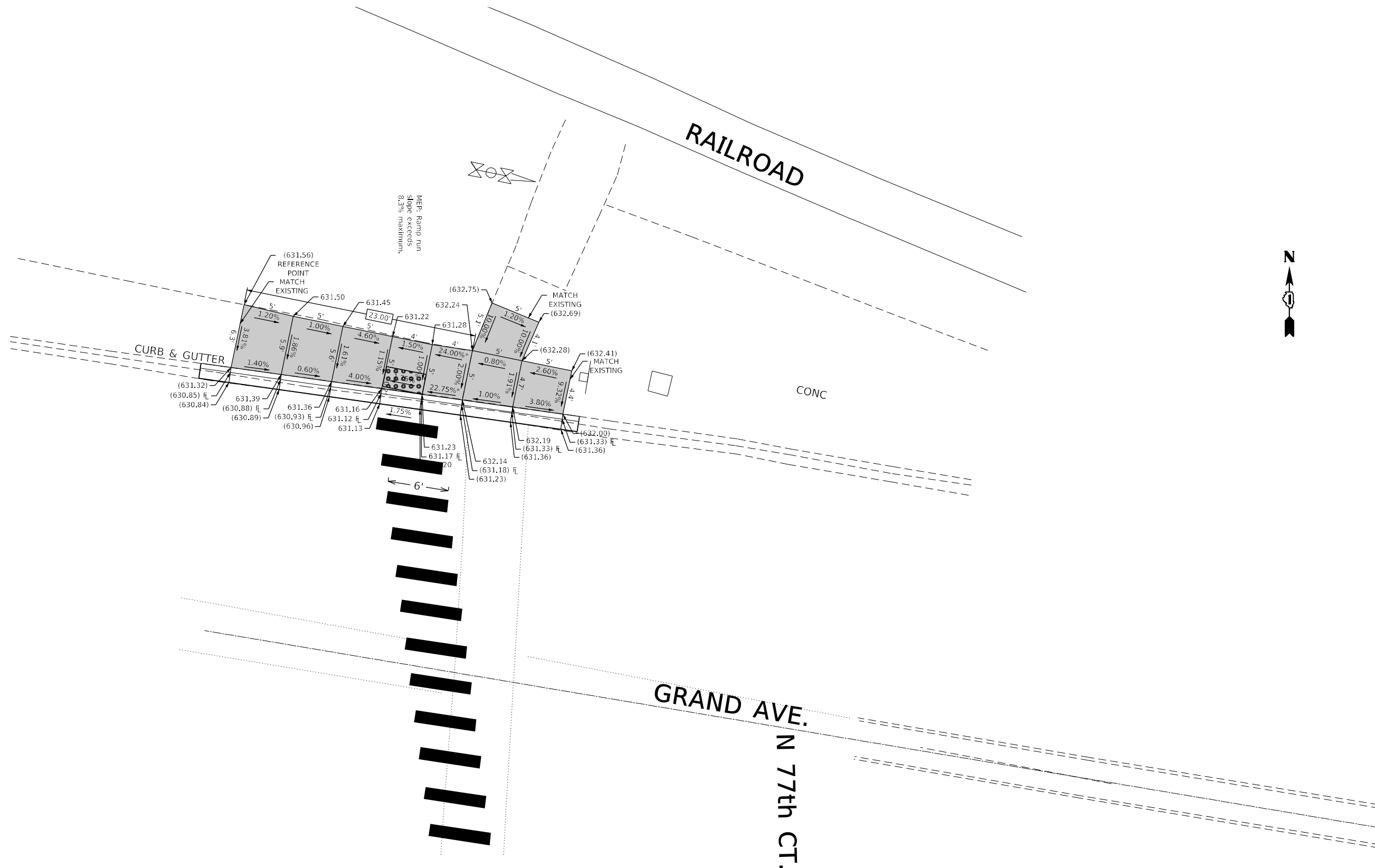
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SIDEWALK DETAIL PLAN  
 GRAND AVE (ELM ST TO E/O 77TH CT AND 74TH CT TO IL 43)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE. 1376	SECTION 2021-083-R5&SW	COUNTY COOK	TOTAL SHEETS 79	SHEET NO. 54
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N99	



REFERENCE BENCHMARK ELEV 631.460  
 BENCHMARK : TOP OF THE FIRE HYDRANT  
 LOCATION : S WEST CORNER OF GRAND AVE AND 77TH CT

**LEGEND**

	EXISTING LENGTH		PROPOSED SIDEWALK		REMOVE AND REINSTALL BRICK PAVER
	PROPOSED SIDE CURB		DETECTABLE WARNINGS		SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD
	EXISTING ELEVATION/SLOPE				

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	DRAWN -	REVISED -
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PLOT DATE = 2/7/2022	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SIDEWALK DETAIL PLAN				
GRAND AVE (ELM ST TO E/O 77TH CT AND 74TH CT TO IL 43)				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	2021-083-R5&SW	COOK	79	55
CONTRACT NO. 62N99				
ILLINOIS FED. AID PROJECT				



REFERENCE BENCHMARK ELEV 642.699  
 BENCHMARK : TOP OF THE FILE HYDRANT  
 LOCATION : N WEST CORNER OF GRAND AVE AND 74TH CT

**LEGEND**

	EXISTING LENGTH		PROPOSED SIDEWALK		REMOVE AND REINSTALL BRICK PAVER
	PROPOSED SIDE CURB		DETECTABLE WARNINGS		SIDEWALK REMOVAL
	EXISTING ELEVATION/SLOPE		REPLACE W/TOPSOIL & SOD		

MODEL: Default  
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PLOT DATE = 3/15/2022	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

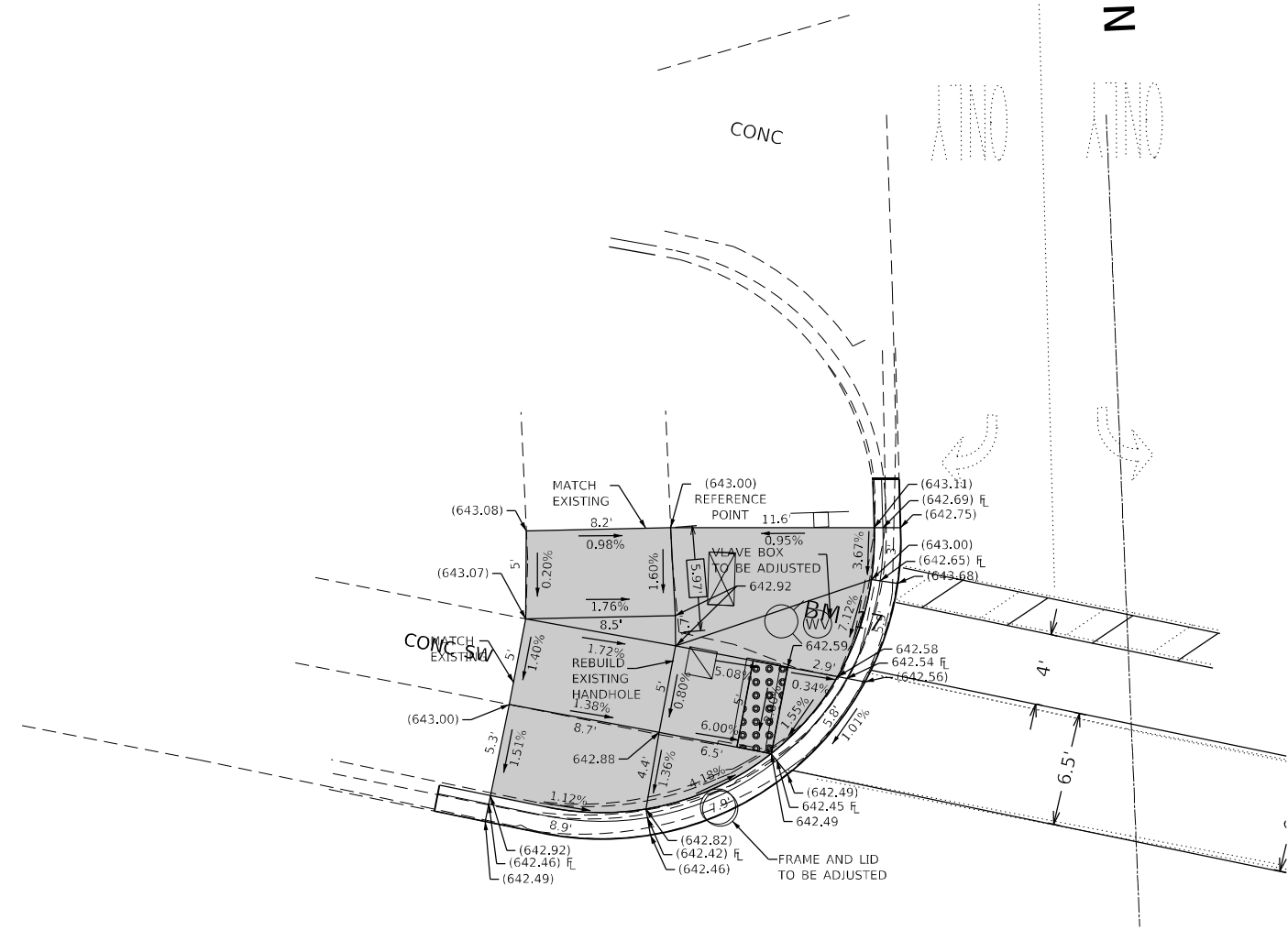
**SIDEWALK DETAIL PLAN**  
**GRAND AVE (ELM ST TO E/O 77TH CT AND 74TH CT TO IL 43)**

SCALE:      SHEET      OF      SHEETS      STA.      TO      STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	2021-083-R5&SW	COOK	79	56
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N99	



N 74th AVE.



GRAND AVE.

REFERENCE BENCHMARK ELEV 643.267  
 BENCHMARK : X CUT ON THE S EAST BOLT OF THE FIRE HYDRANT  
 LOCATION : N WEST CORNER OF GRAND AVE AND 74TH AVE

**LEGEND**

xx.xx'

EXISTING LENGTH

=====

PROPOSED SIDE CURB

( )

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL  
 REPLACE W/TOPSOIL & SOD



REMOVE AND REINSTALL BRICK PAVEMENT

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

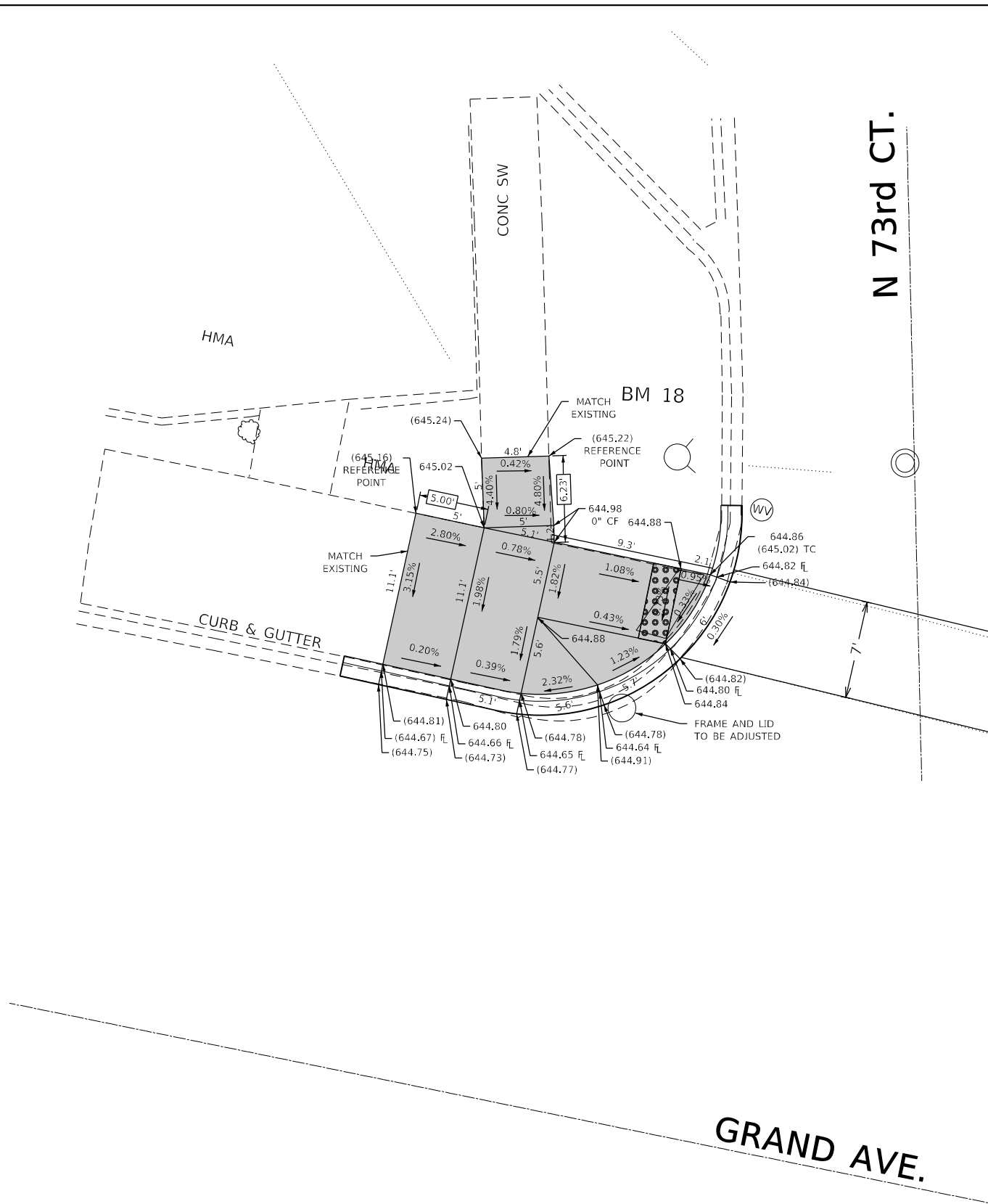
**SIDEWALK DETAIL PLAN**  
 GRAND AVE (ELM ST TO E/O 77TH CT AND 74TH CT TO IL 43)

USER NAME = kalorm	DESIGNED -	REVISED -
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PLOT DATE = 2/7/2022	DATE -	REVISED -

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	2021-083-R5&SW	COOK	79	57
CONTRACT NO. 62N99				
ILLINOIS FED. AID PROJECT				

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REFERENCE BENCHMARK ELEV 647.077  
 BENCHMARK : TOP OF THE FIRE HYDRANT  
 LOCATION : N WEST CORNER OF GRAND AVE AND 73RD CT

**LEGEND**

xx.xx'

EXISTING LENGTH

====

PROPOSED SIDE CURB

( )

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



REMOVE AND REINSTALL BRICK PAVER



DETECTABLE WARNINGS



SIDEWALK REMOVAL  
 REPLACE W/TOPSOIL & SOD

MODEL: Default  
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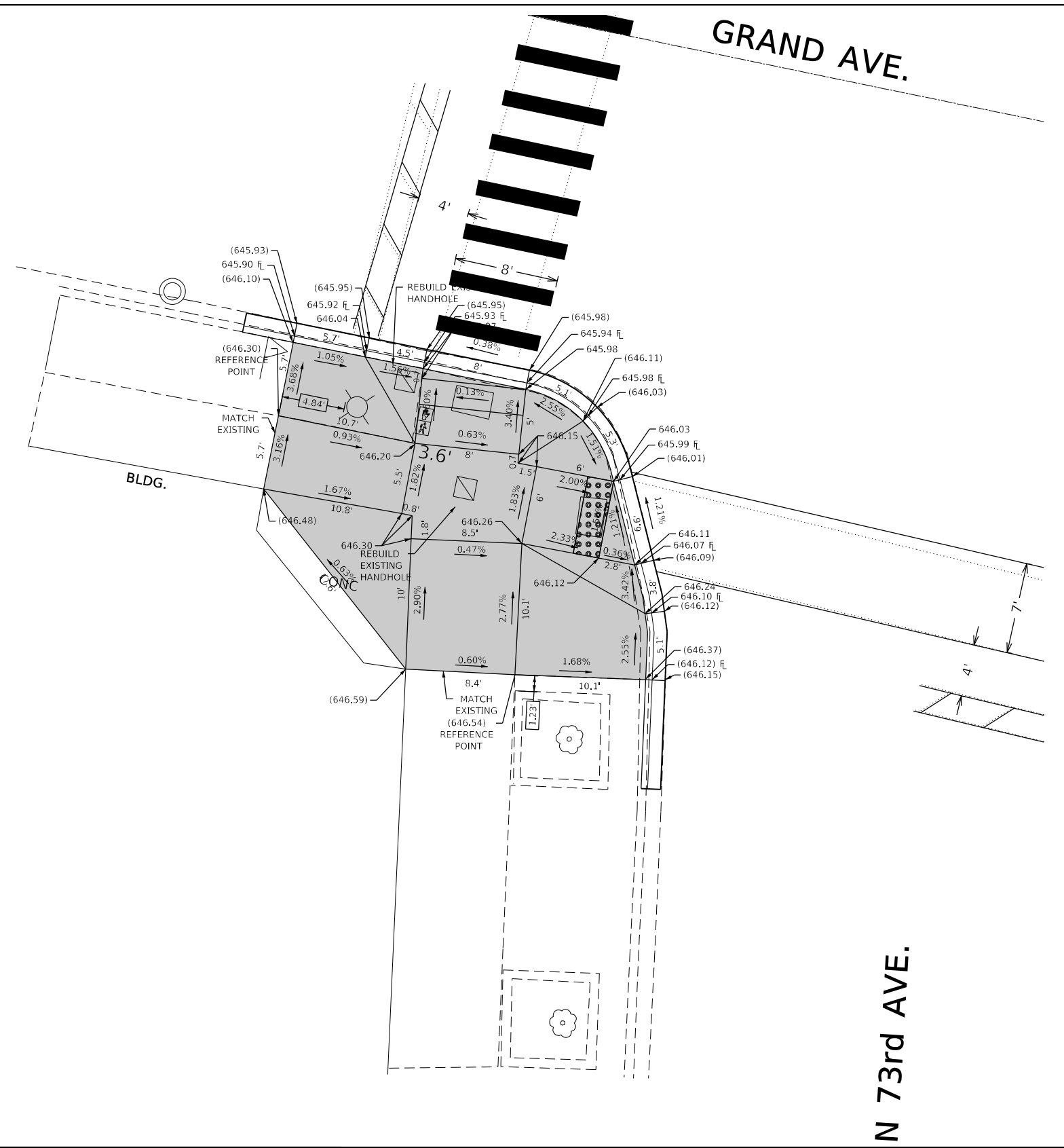
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PLOT SCALE = 10,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/15/2022	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

**SIDEWALK DETAIL PLAN**  
 GRAND AVE (ELM ST TO E/O 77TH CT AND 74TH CT TO IL 43)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE. 1376	SECTION 2021-083-RS&SW	COUNTY COOK	TOTAL SHEETS 79	SHEET NO. 58
CONTRACT NO. 62N99			ILLINOIS FED. AID PROJECT	



REFERENCE BENCHMARK ELEV 647.523  
 BENCHMARK : TOP OF THE FIRE HYDRANT  
 LOCATION : N WEST CORNER OF GRAND AVE AND 73RD AVE

**LEGEND**

- XX.XX' EXISTING LENGTH
- PROPOSED SIDE CURB
- EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- REMOVE AND REINSTALL BRICK PAVER
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD

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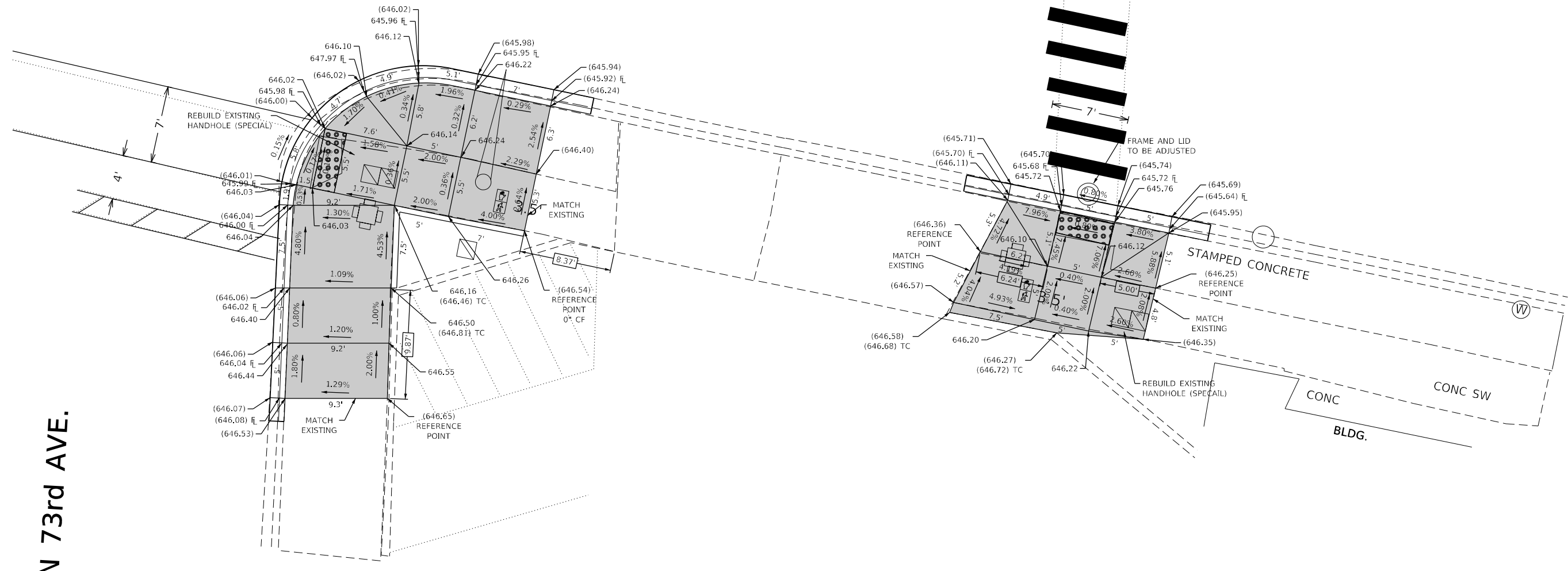
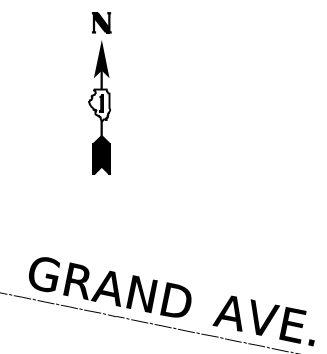
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	DRAWN -	REVISED -
PLOT SCALE = 10,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/15/2022	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SIDEWALK DETAIL PLAN  
GRAND AVE (ELM ST TO E/O 77TH CT AND 74TH CT TO IL 43)**

SCALE:      SHEET      OF      SHEETS      STA.      TO      STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	2021-083-RS&SW	COOK	79	59
CONTRACT NO. 62N99				
ILLINOIS		FED. AID PROJECT		



N 73rd AVE.

REFERENCE BENCHMARK ELEV 647.523  
 BENCHMARK : TOP OF THE FIRE HYDRANT  
 LOCATION : N WEST CORNER OF GRAND AVE AND 73RD AVE

**LEGEND**

- XX.XX' EXISTING LENGTH
- PROPOSED SIDE CURB
- EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD
- REMOVE AND REINSTALL BRICK PAVER

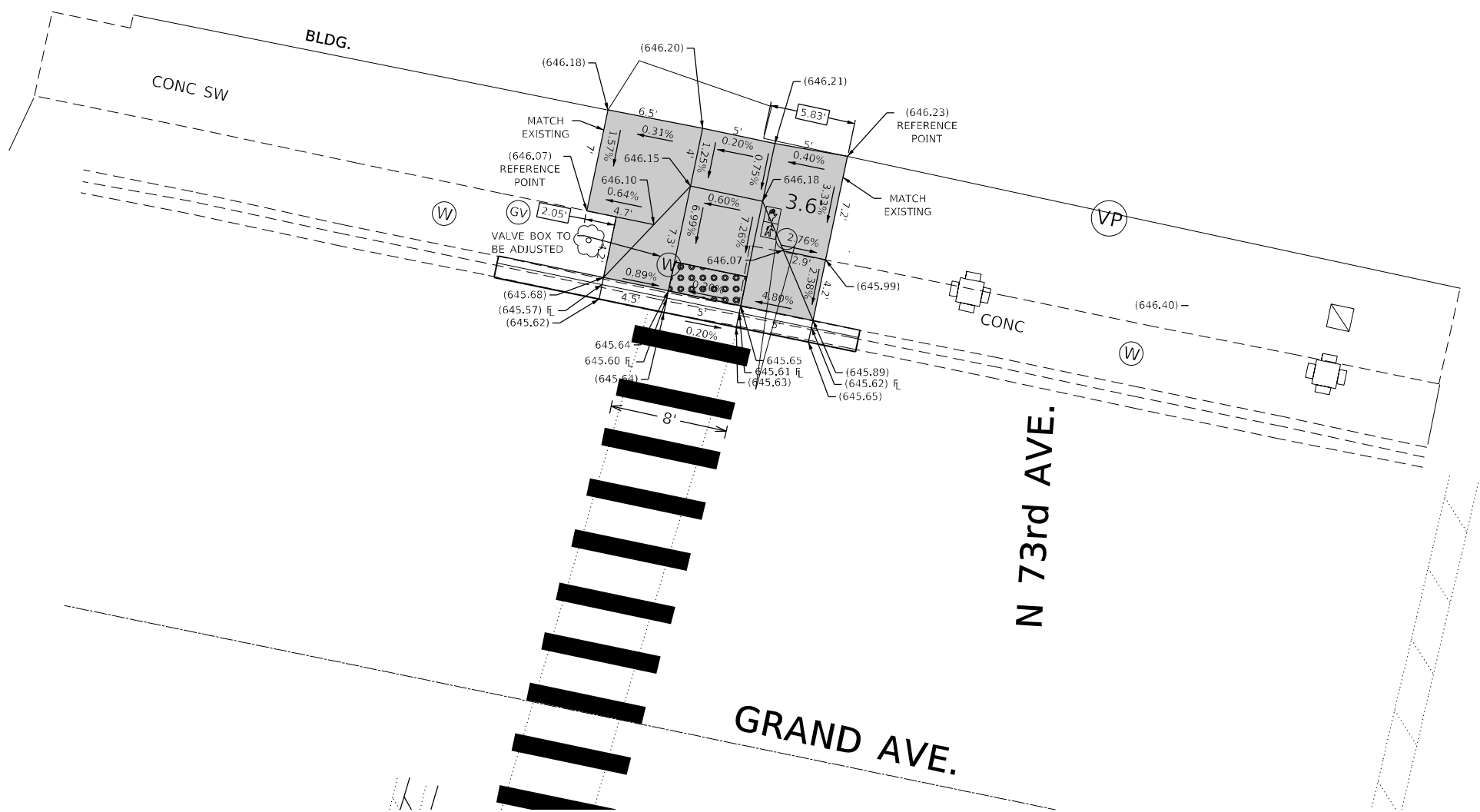
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

**SIDEWALK DETAIL PLAN**  
 GRAND AVE (ELM ST TO EO 77TH CT AND 74TH CT TO IL 43)

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	2021-083-R5&SW	COOK	79	60
CONTRACT NO. 62N99				
ILLINOIS FED. AID PROJECT				

USER NAME = kalorm	DESIGNED -	REVISED - RK - 03/18/2022
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REFERENCE BENCHMARK ELEV 647.523  
 BENCHMARK : TOP OF THE FIRE HYDRANT  
 LOCATION : N WEST CORNER OF GRAND AVE AND 73RD AVE

**LEGEND**

XX.XX'

EXISTING LENGTH

====

PROPOSED SIDE CURB

( )

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL  
 REPLACE W/TOPSOIL & SOD



REMOVE AND REINSTALL BRICK PAVER

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL PLAN  
 GRAND AVE (ELM ST TO E/O 77TH CT AND 74TH CT TO IL 43)

SCALE: SHEET OF SHEETS STA. TO STA.

USER NAME = kalorm	DESIGNED -	REVISED - RK - 03/18/2022
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PLOT SCALE = 10,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/15/2022	DATE -	REVISED -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	2021-083-RS&SW	COOK	79	61
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N99	

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REFERENCE BENCHMARK ELEV 647.523  
 BENCHMARK : TOP OF THE FIRE HYDRANT  
 LOCATION : N WEST CORNER OF GRAND AVE AND 73RD AVE

**LEGEND**

xx.xx'

EXISTING LENGTH



PROPOSED SIDE CURB

( )

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD



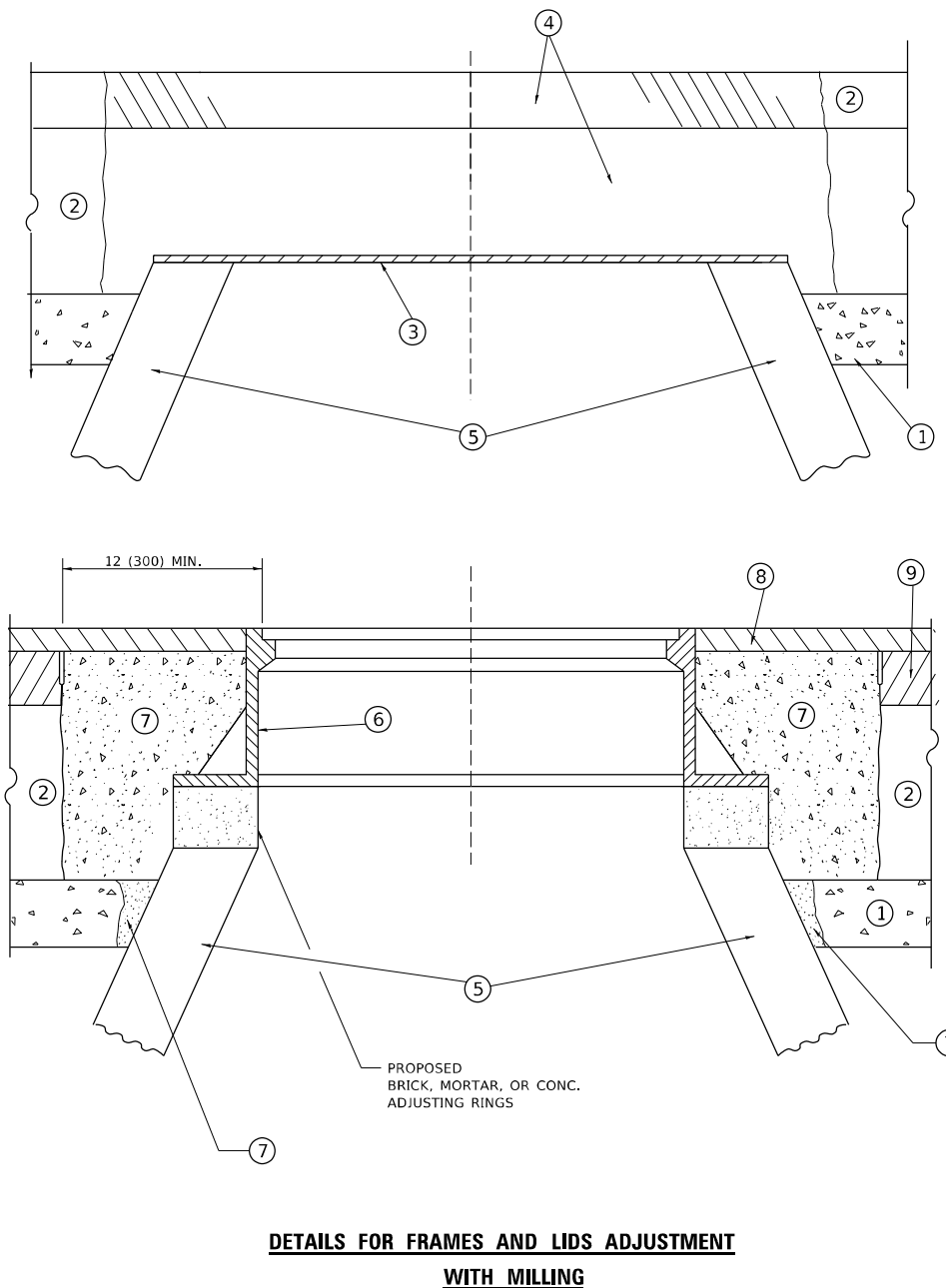
REMOVE AND REINSTALL BRICK PAVER

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**SIDEWALK DETAIL PLAN**  
**GRAND AVE (ELM ST TO E/O 77TH CT AND 74TH CT TO IL 43)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	2021-083-R5&SW	COOK	79	62
CONTRACT NO. 62N99				
ILLINOIS FED. AID PROJECT				



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

**NOTES**

1. 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.
2. 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.
3. CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.
4. THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

**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 HMA SURFACE MIX APPROVED BY THE ENGINEER. (MIN. 1 1/2 (40) HMA TO REMAIN AFTER MILLING).

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

**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**

1. 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)."
2. THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.
3. NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.
4. 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.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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	DRAWN -	REVISED - R. BORO 03-09-11
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED - R. BORO 12-06-11
PLOT DATE = 2/7/2022	DATE - 10-25-94	REVISED - K. SMITH 02-01-22

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

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

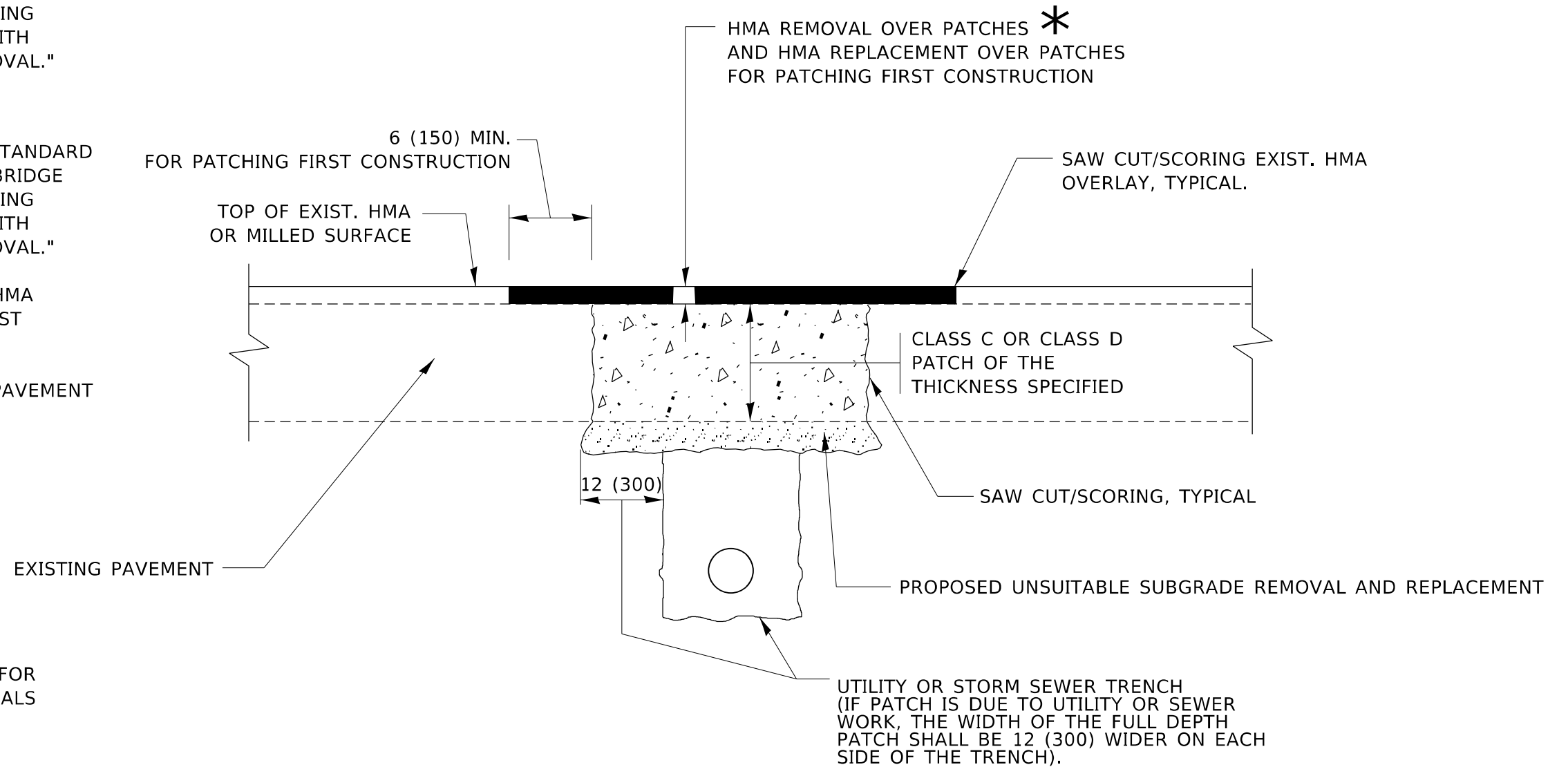
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	2021-083-R5&SW	COOK	79	63
BD600-03 (BD-08)			CONTRACT NO. 62N99	
ILLINOIS FED. AID PROJECT				

**METHOD OF MEASUREMENT**

REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."

**BASIS OF PAYMENT**

1. REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."
2. SAW CUT/SCORING OF EXISTING HMA OVERLAY IS INCLUDED IN THE COST OF PAVEMENT PATCHING.
3. SAW CUT/SCORING OF EXISTING PAVEMENT IS INCLUDED IN THE COST OF PAVEMENT PATCHING.



\* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

**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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	DRAWN -	REVISED - R. BORO 09-04-07
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED - K. ENG 10-27-08
PLOT DATE = 2/7/2022	DATE - 10-25-94	REVISED - K. SMITH 02-01-22

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

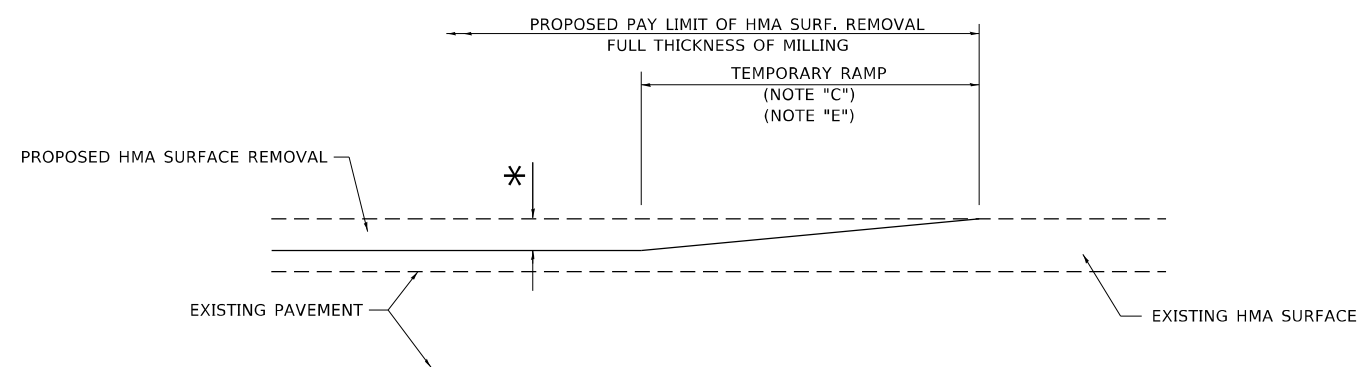
**PAVEMENT PATCHING FOR  
HMA SURFACED PAVEMENT**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	2021-083-R5&SW	COOK	79	64
<b>BD400-04 (BD-22)</b>			CONTRACT NO. 62N99	
ILLINOIS FED. AID PROJECT				

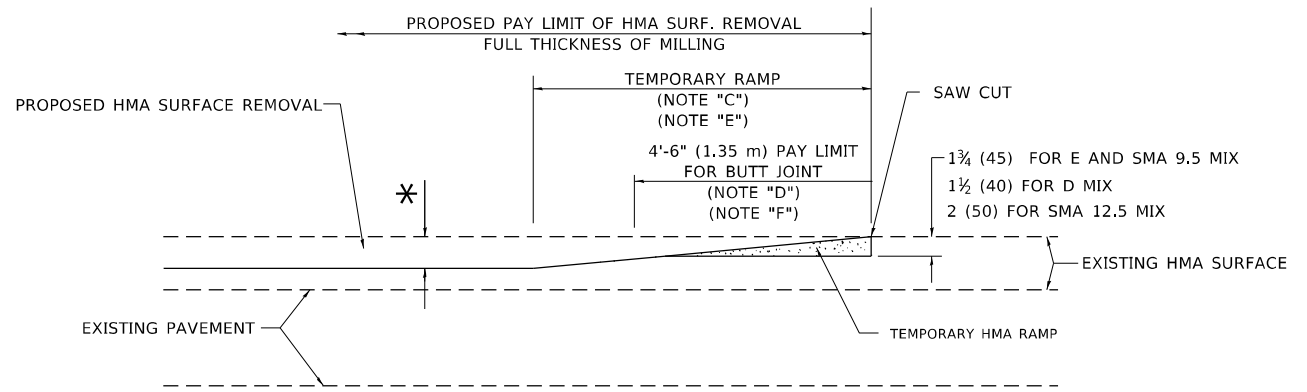






**MILLED TEMPORARY RAMP**  
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

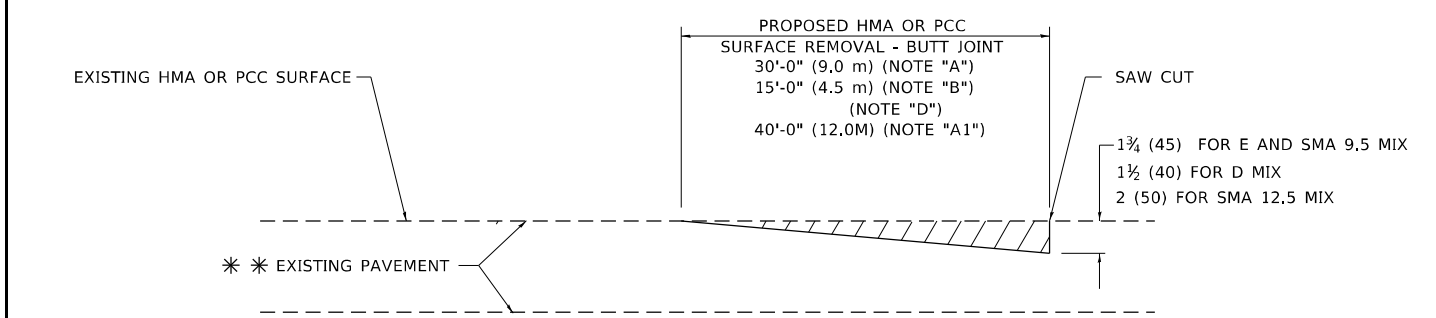
**OPTION 1**



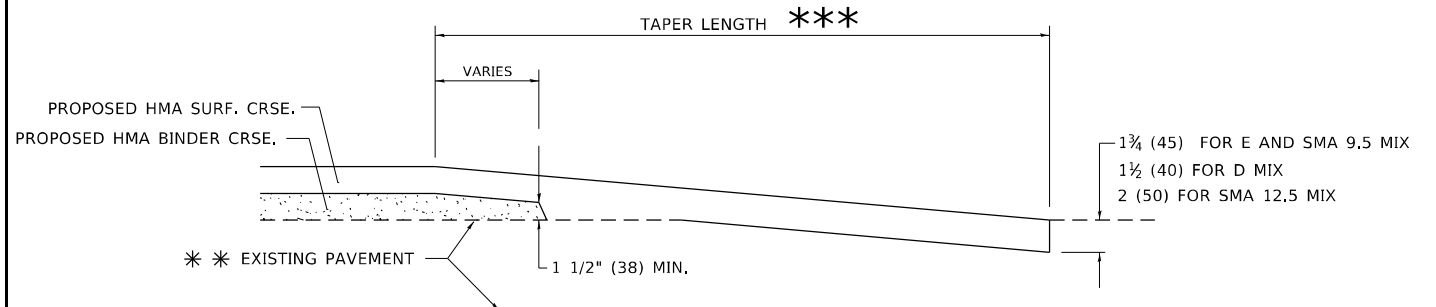
**HMA CONSTRUCTED TEMPORARY RAMP**  
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

**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.

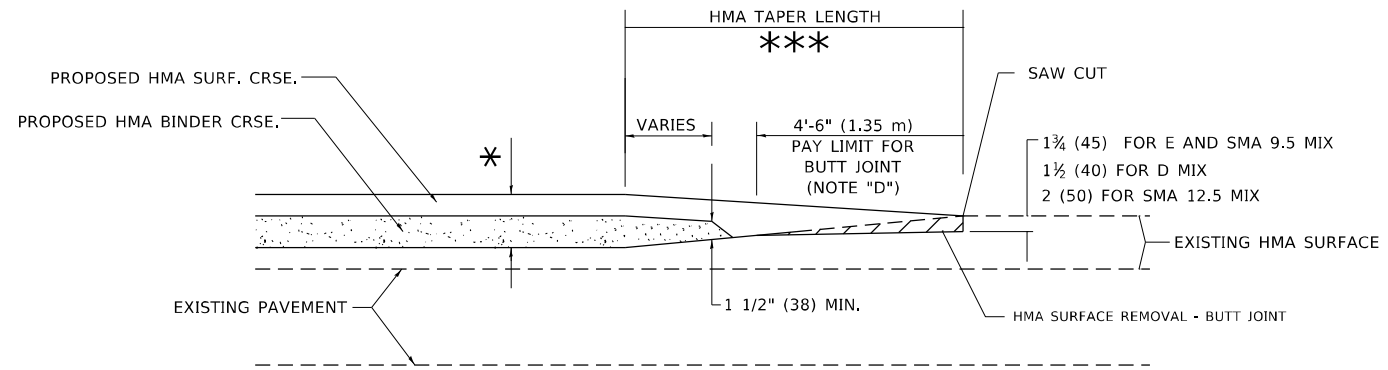
**GENERAL NOTES**

- A. MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.
- A1. INTERSTATES
- 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' - 4" (1.02m) PER 1 INCH (25 mm) OF MILLING THICKNESS.  
\* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- F. 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**

1. 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".
2. THE TEMPORARY RAMP AND SAW CUT SHALL BE INCLUDED IN THE UNIT COST FOR HMA OR PCC 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**

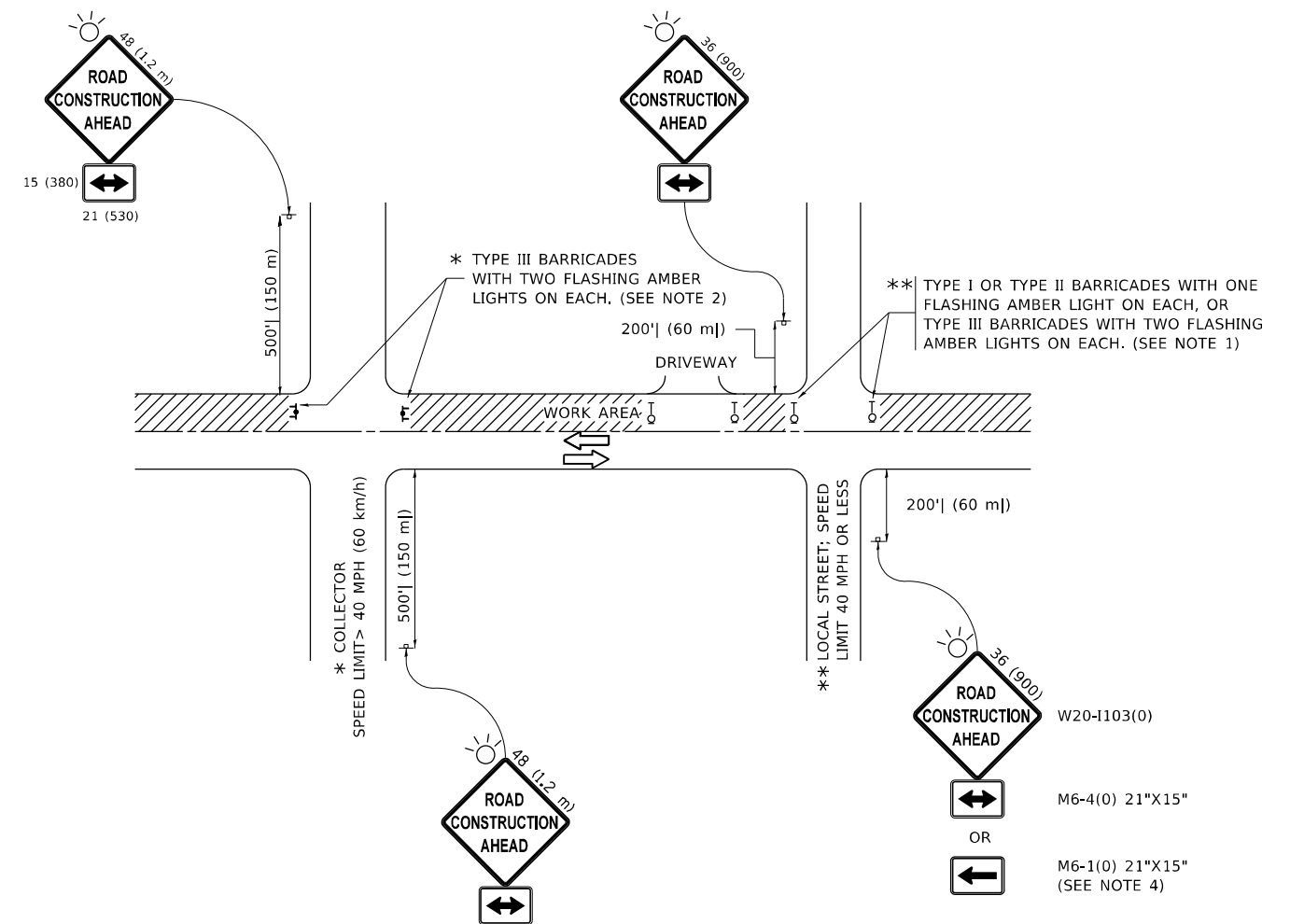
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USER NAME = kalorm	DESIGNED - M. DE YONG	REVISED - A. ABBAS 03-21-97
	DRAWN -	REVISED - M. GOMEZ 04-06-01
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED - R. BORO 01-01-07
PLOT DATE = 2/7/2022	DATE - 06-13-90	REVISED - K. SMITH 02-01-22

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>BUTT JOINT AND HMA TAPER DETAILS</b>			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	2021-083-R5&SW	COOK	79	66
<b>BD400-05 BD-32</b>			CONTRACT NO. 62N99	
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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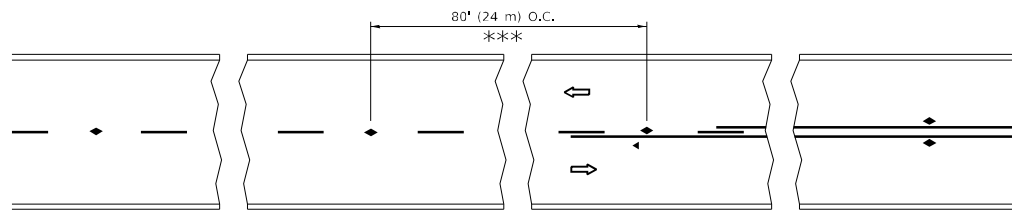
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PLOT DATE = 2/7/2022	DATE - 06-89	REVISED - A. SCHUETZE 07-01-13
		REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

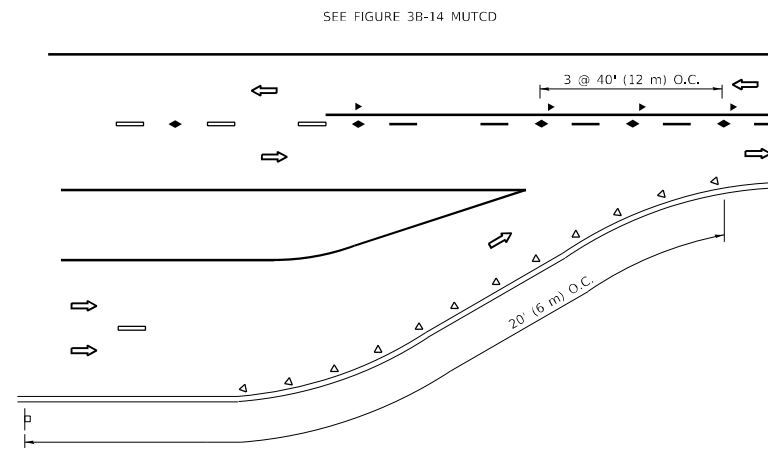
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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<b>TC-10</b>			CONTRACT NO. 62N99	
ILLINOIS FED. AID PROJECT				

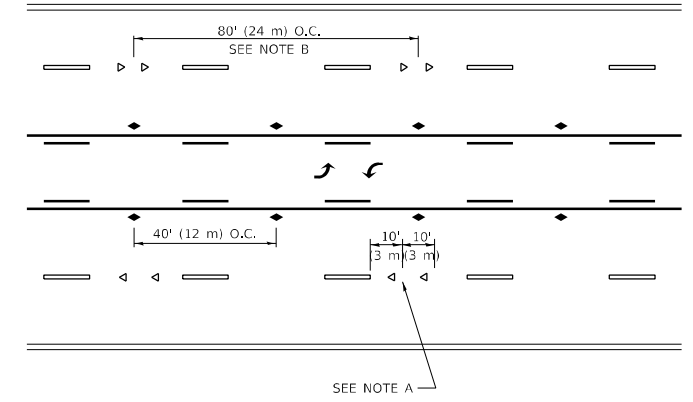


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

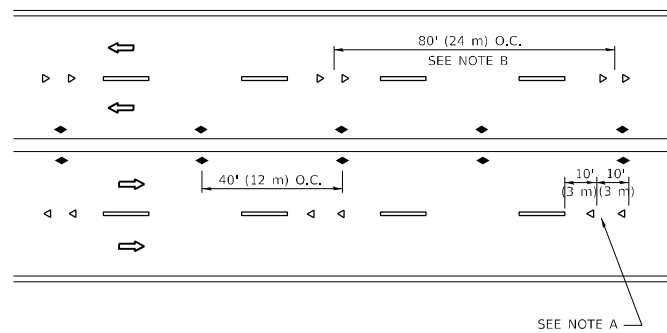
**TWO-LANE/TWO-WAY**



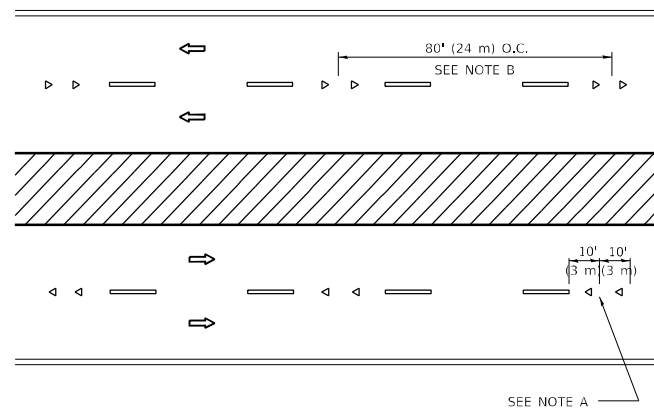
**LANE REDUCTION TRANSITION**



**TWO-WAY LEFT TURN**



**MULTI-LANE/UNDIVIDED**



**MULTI-LANE/DIVIDED**

**GENERAL NOTES**

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

**SYMBOLS**

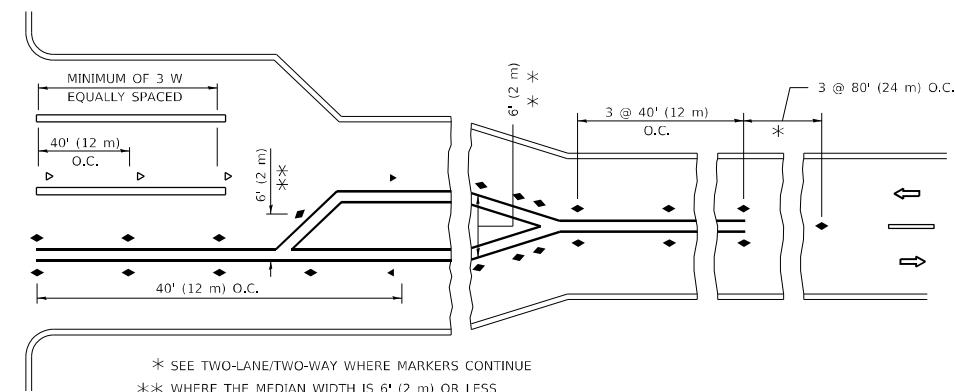
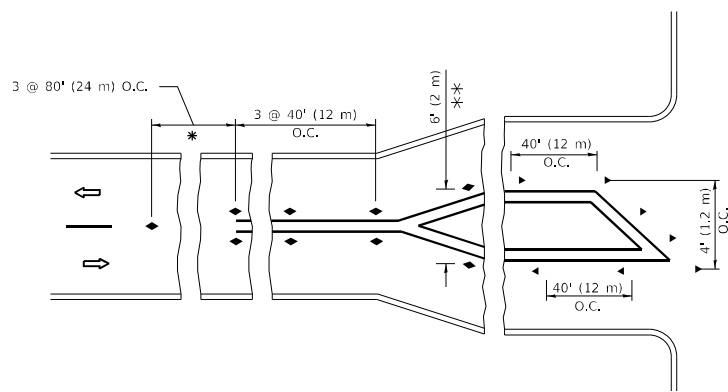
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

**LANE MARKER NOTES**

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

**DESIGN NOTES**

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



**TURN LANES**

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

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

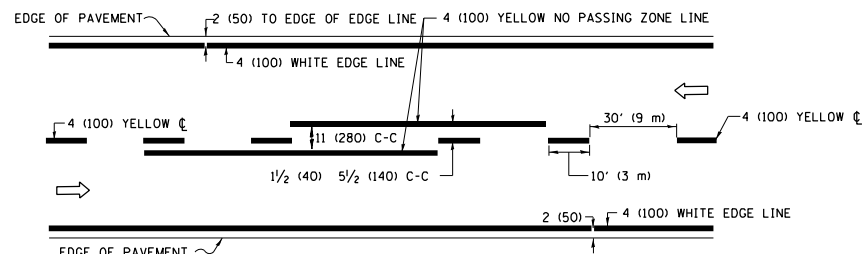
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PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED - T. RAMMACHER 01-06-00
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	DATE -	REVISED - C. JUCIUS 07-01-13

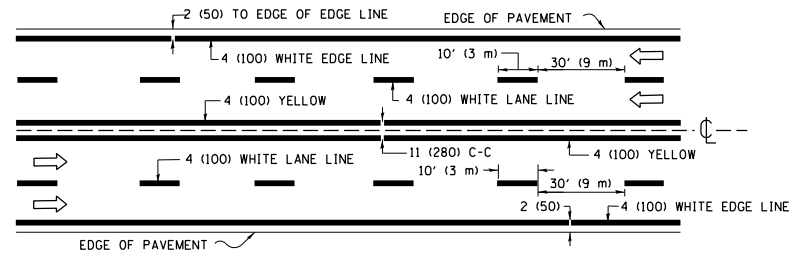
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

TYPICAL APPLICATIONS			
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

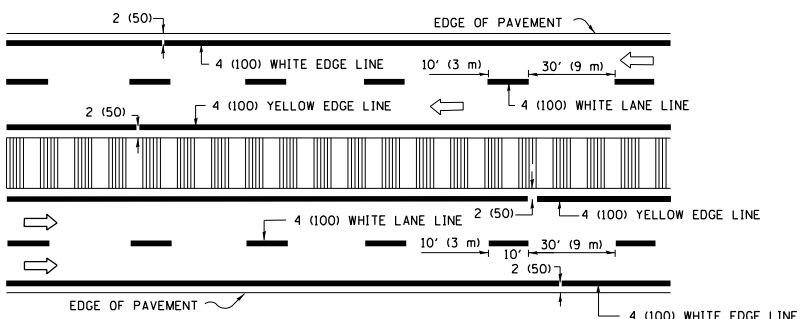
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	2021-083-R5&SW	COOK	79	68
TC-11			CONTRACT NO. 62N99	
ILLINOIS FED. AID PROJECT				



**2-LANE ROADWAY**

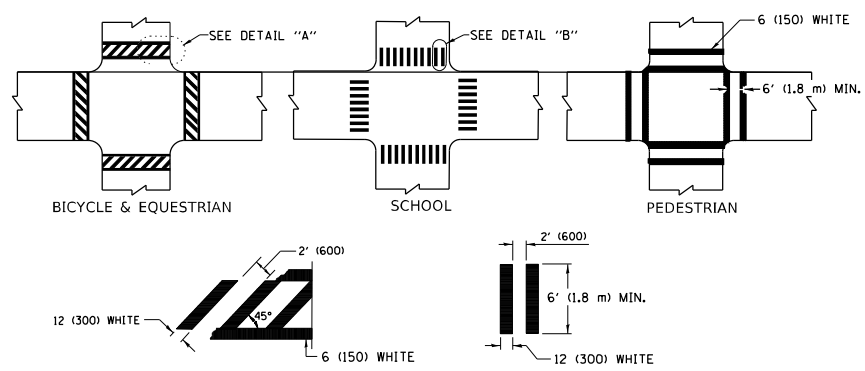


**MULTI-LANE UNDIVIDED**



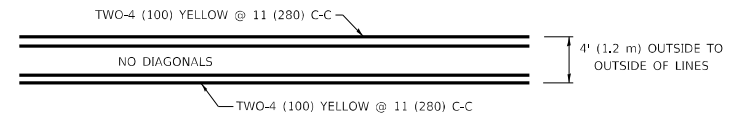
**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

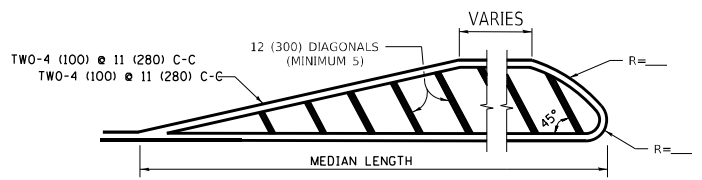


**TYPICAL CROSSWALK MARKING**

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



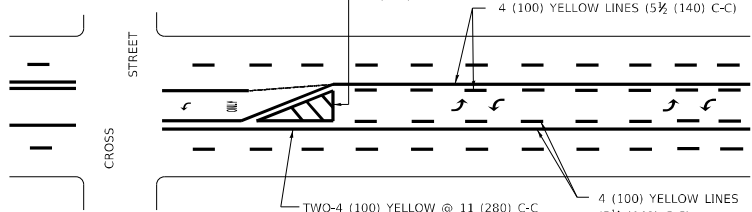
**4' (1.2 m) WIDE MEDIANS ONLY**



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

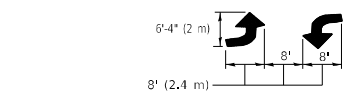
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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



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

**TYPICAL PAINTED MEDIAN MARKING**

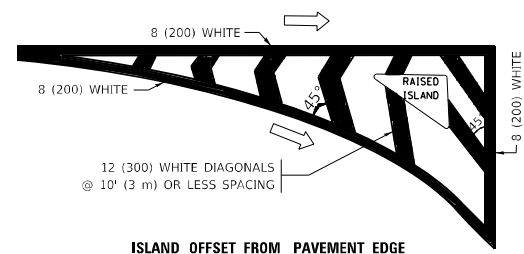


FULL SIZE LETTERS 8" (2.4 m) AND ARROWS SHALL BE USED.  
AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)

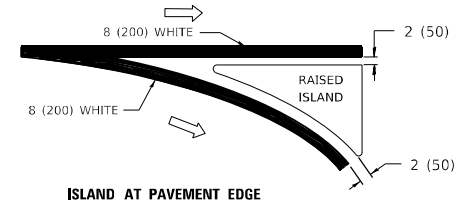
\* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

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

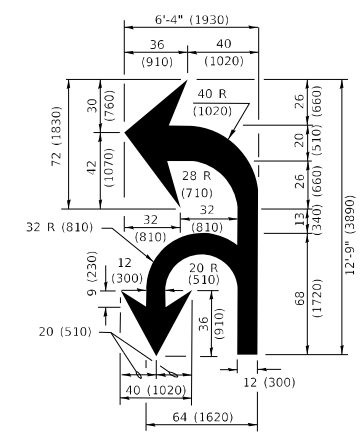
**TYPICAL TURN LANE MARKING**



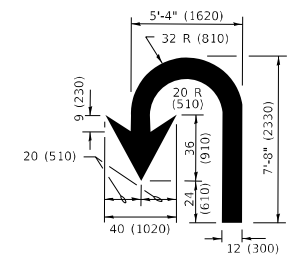
**ISLAND OFFSET FROM PAVEMENT EDGE**



**TYPICAL ISLAND MARKING**



**COMBINATION LEFT AND U-TURN**



**LANE REDUCTION TRANSITION**

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

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

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

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

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

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	DRAWN -	REVISED - C. JUCIUS 07-01-13
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - C. JUCIUS 12-21-15
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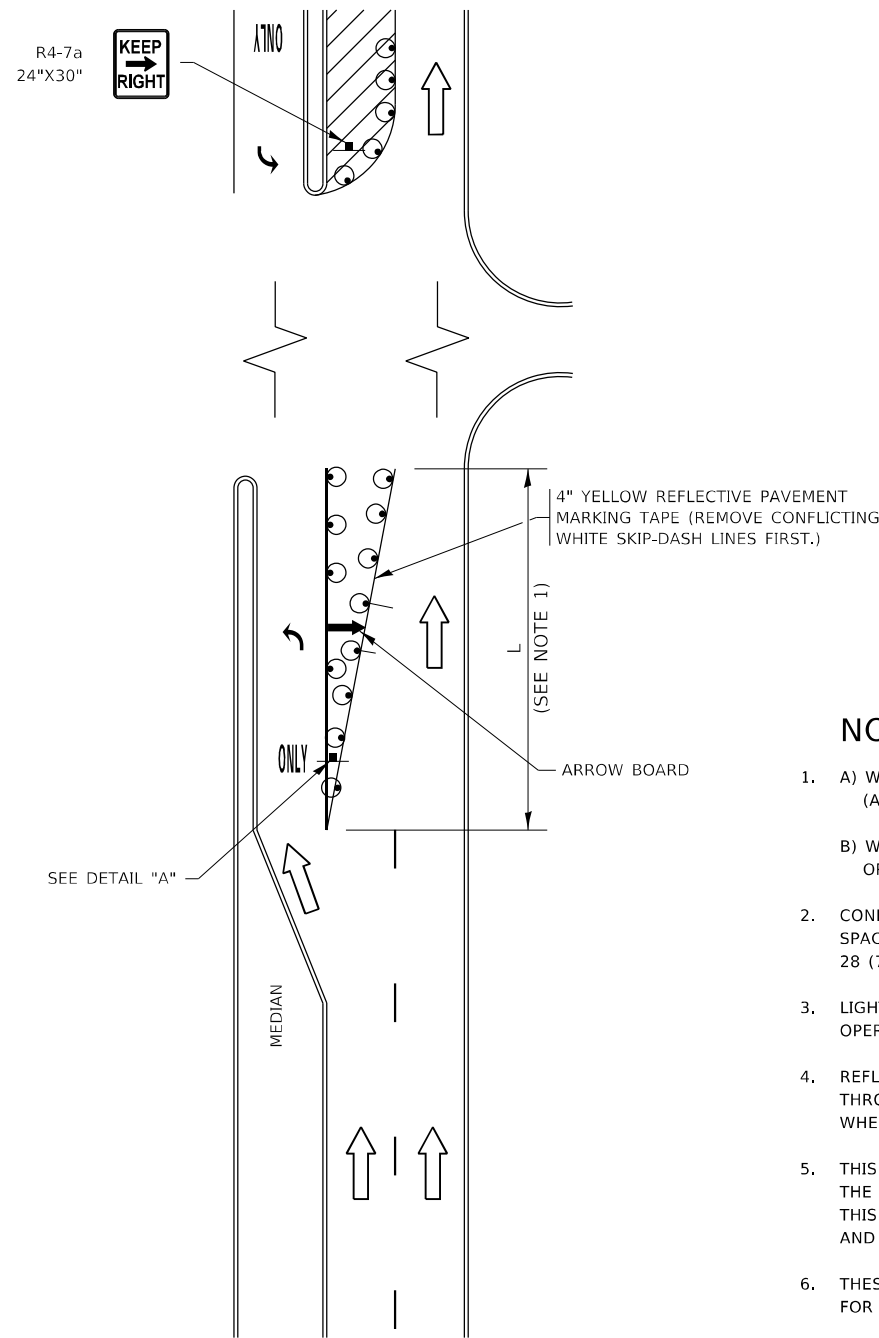
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
TYPICAL PAVEMENT MARKINGS**

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

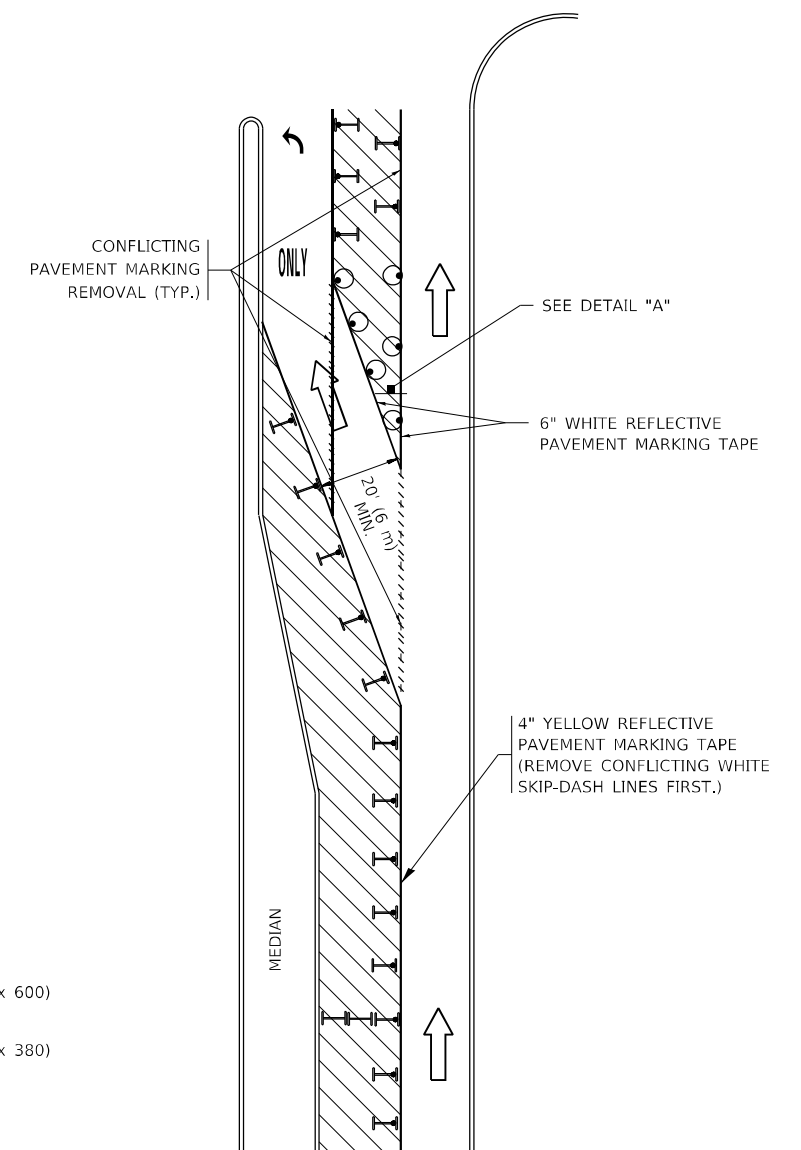
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	2021-083-R5&SW	COOK	79	69
<b>TC-13</b>		CONTRACT NO.	62N99	
ILLINOIS FED. AID PROJECT				

# TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

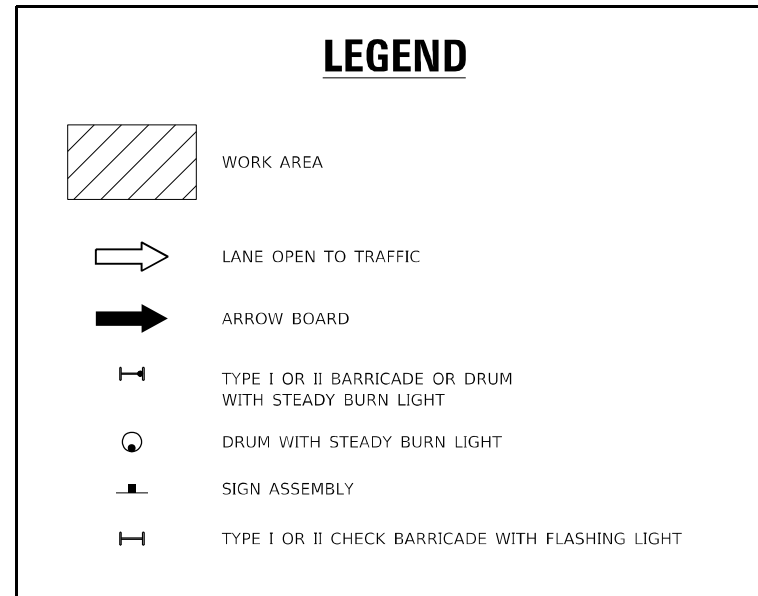


**FIGURE 1**

# TURN BAY ENTRANCE WITHIN A LANE CLOSURE

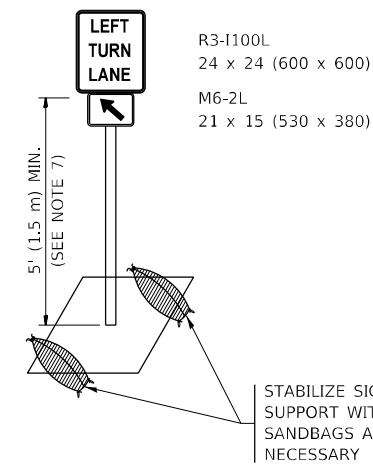


**FIGURE 2**



### 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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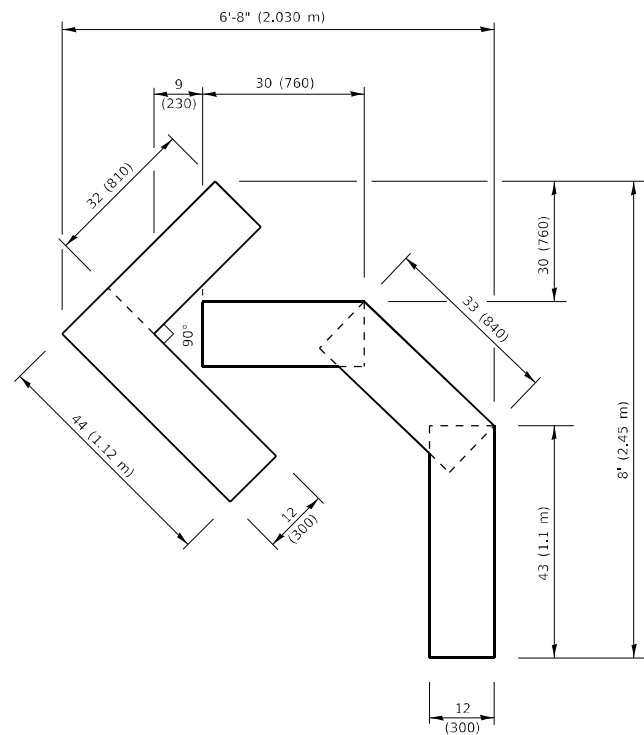
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PLOT SCALE = 100,0000' / in.	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 2/7/2022	DATE - T. RAMMACHER 01-06-00	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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

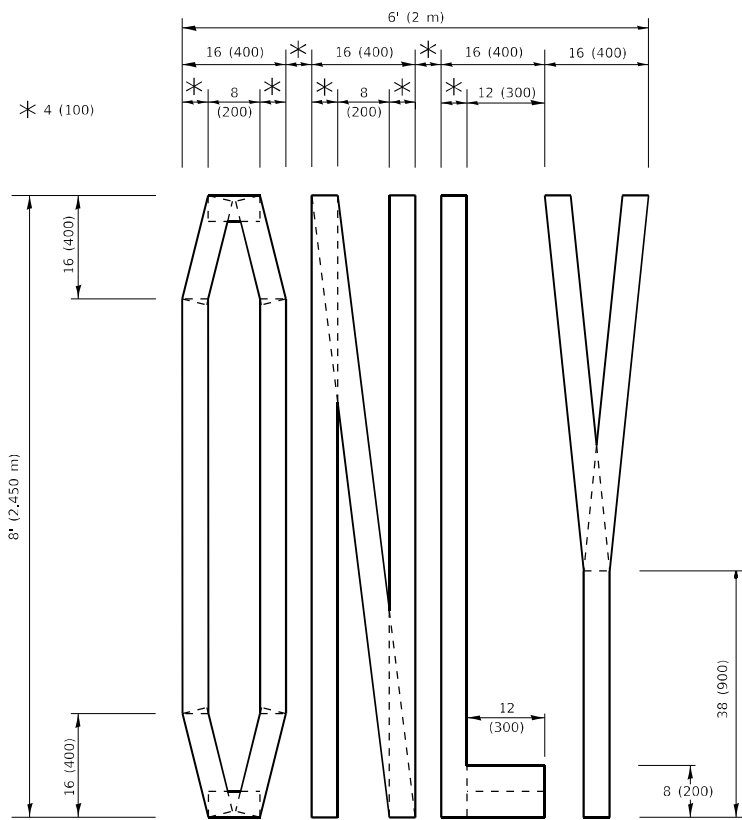
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TC-14		CONTRACT NO. 62N99		
ILLINOIS FED. AID PROJECT				



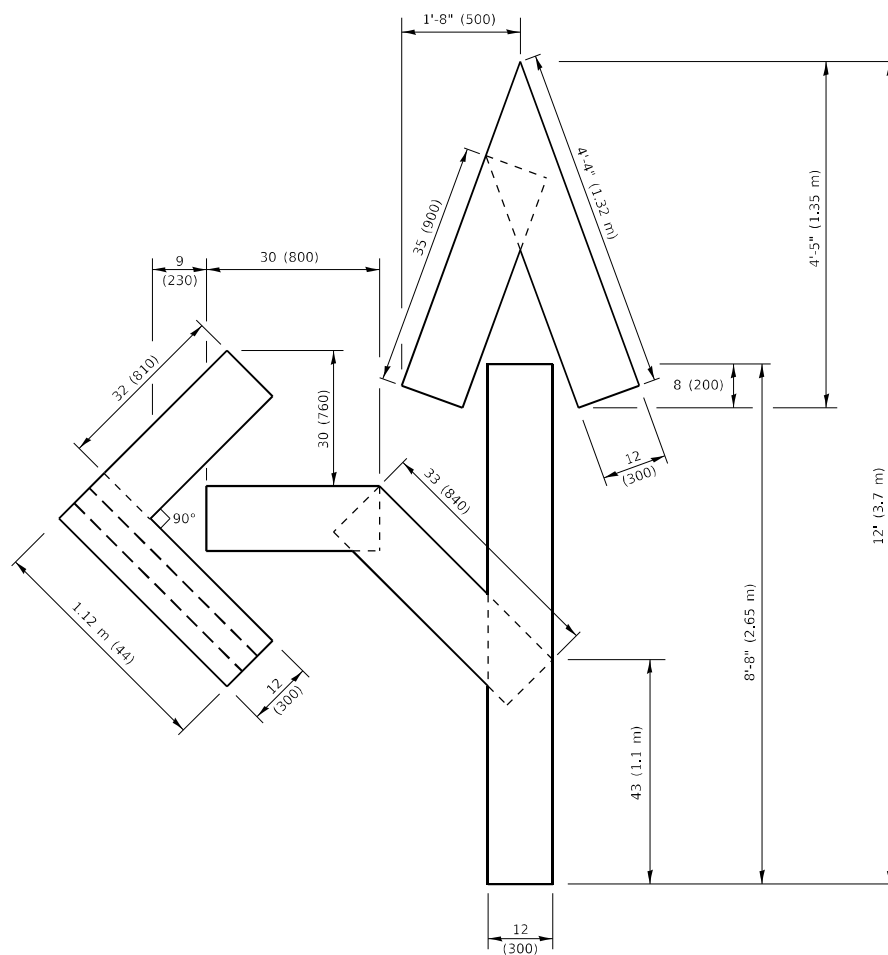
**QUANTITY**

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



**QUANTITY**

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

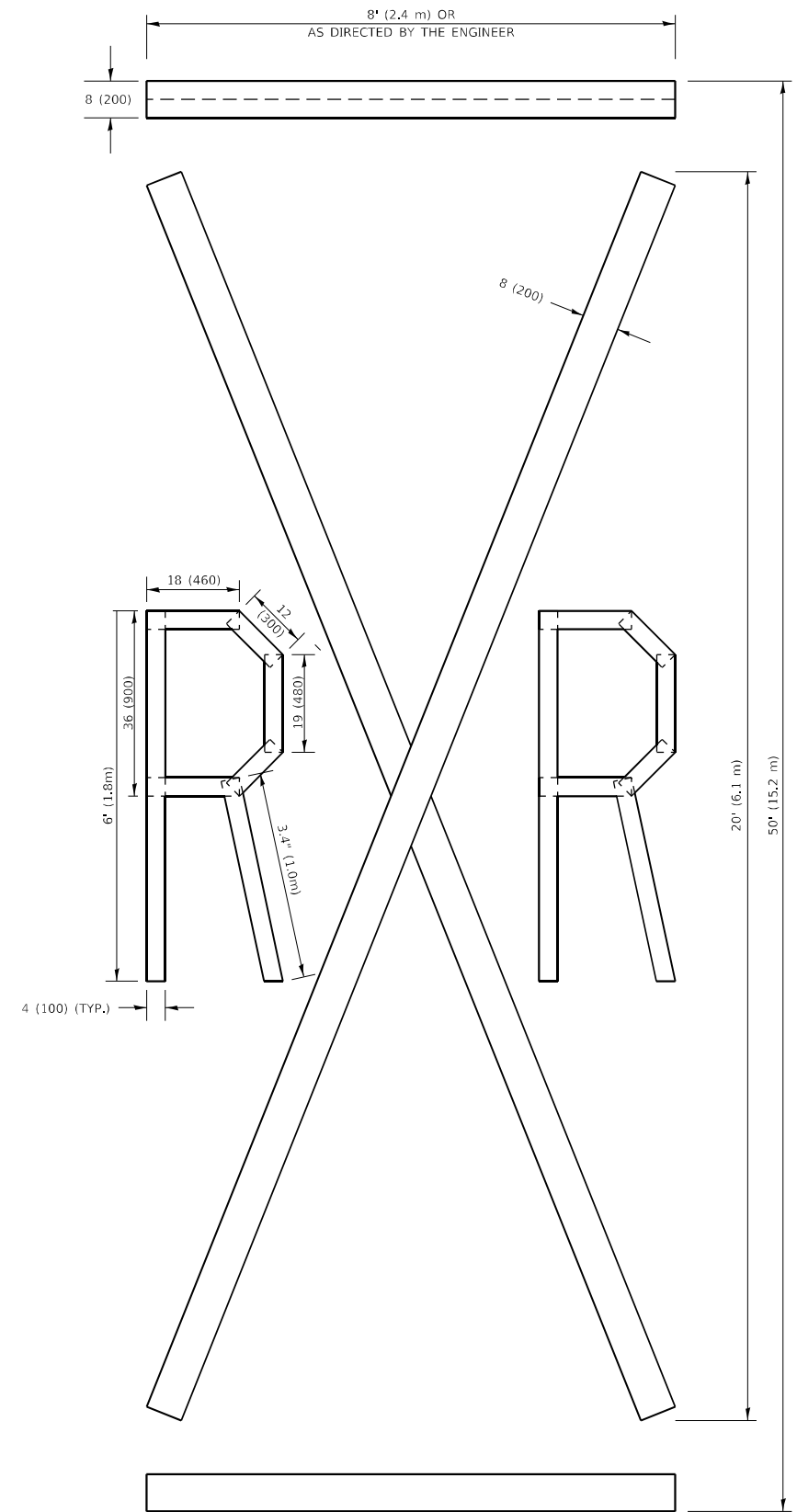


**QUANTITY**

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

**NOTE:**

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



**QUANTITY**

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

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

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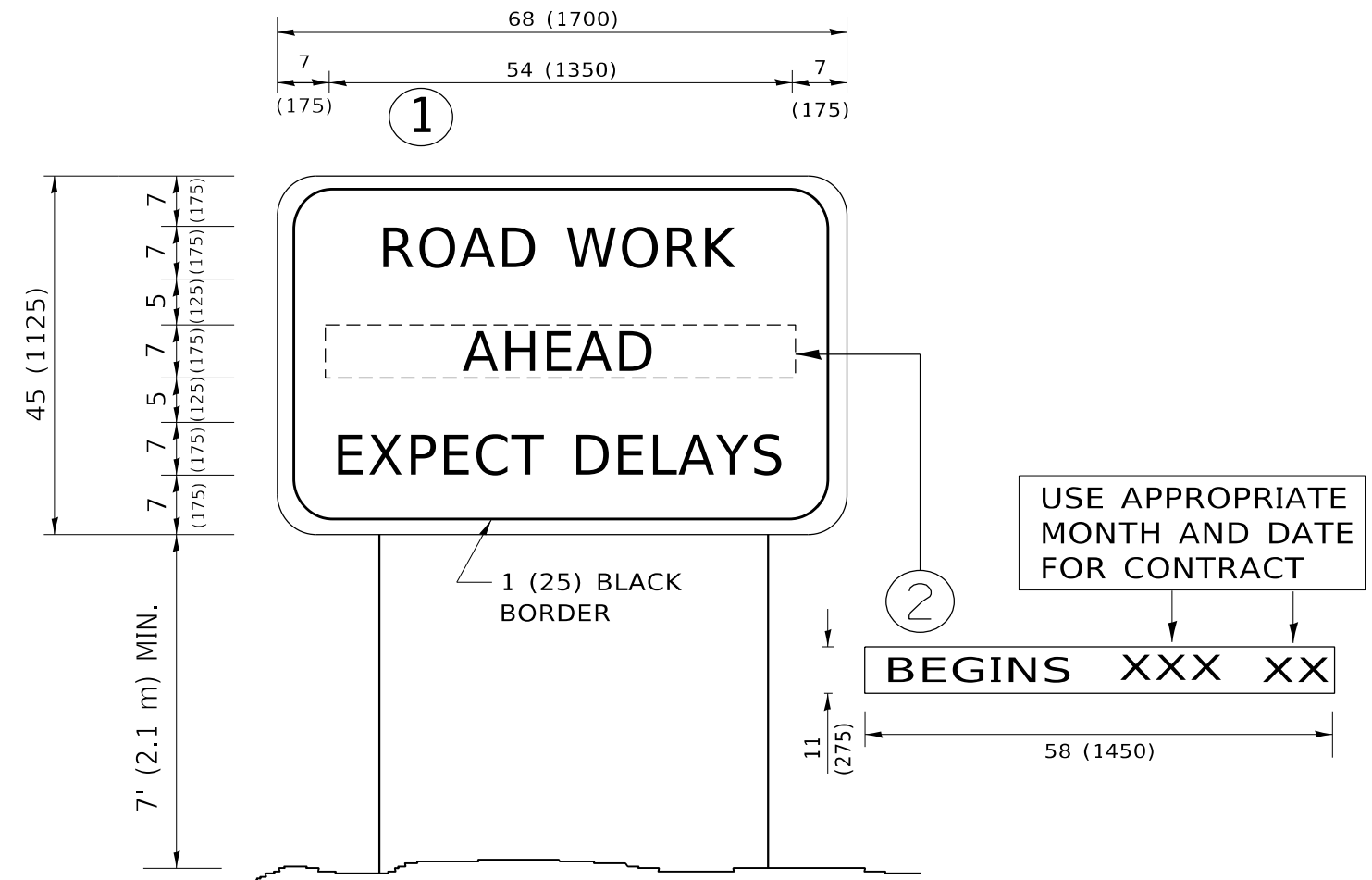
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	DRAWN -	REVISED - E. GOMEZ 08-28-00
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PLOT DATE = 2/7/2022	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**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.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	2021-083-R5&SW	COOK	79	71
<b>TC-16</b>		CONTRACT NO. 62N99		
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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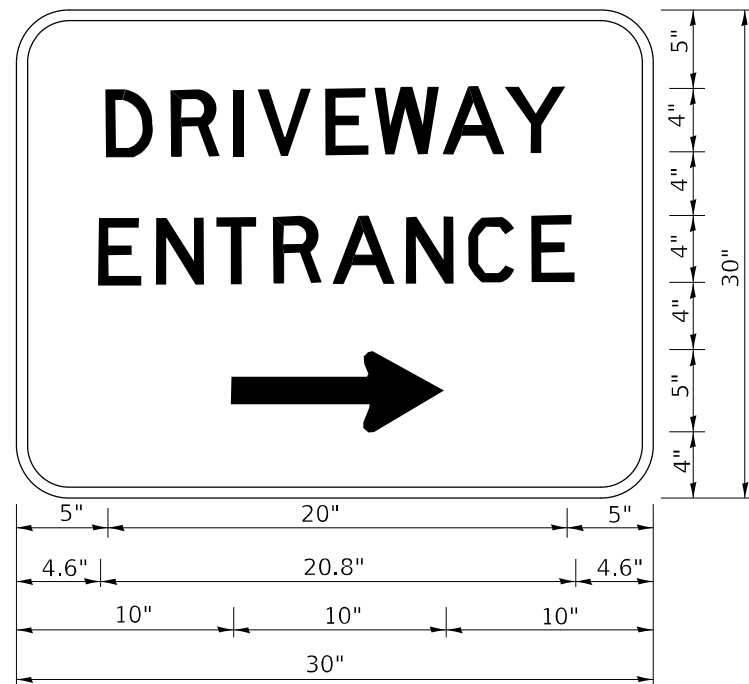
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD  
INFORMATION SIGN**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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<b>TC-22</b>			CONTRACT NO. 62N99	
ILLINOIS FED. AID PROJECT				





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

NOTES:

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

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USER NAME = kalorm	DESIGNED -	REVISED - C. JUCIUS 02-15-07
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 2/7/2022	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DRIVEWAY ENTRANCE SIGNING**

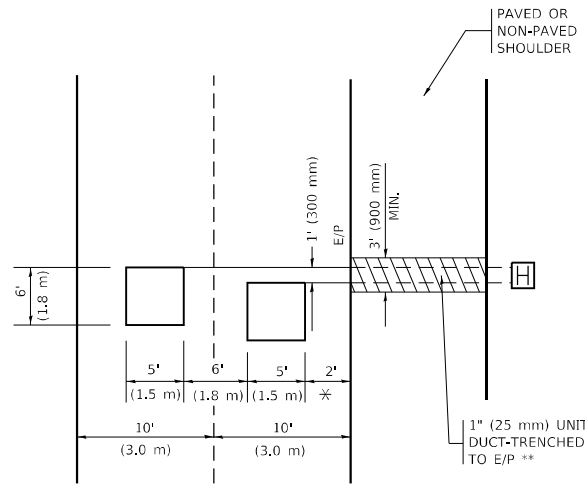
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	2021-083-R5&SW	COOK	79	73
<b>TC-26</b>			CONTRACT NO. 62N99	
ILLINOIS FED. AID PROJECT				



**LOOPS NEXT TO SHOULDERS**

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

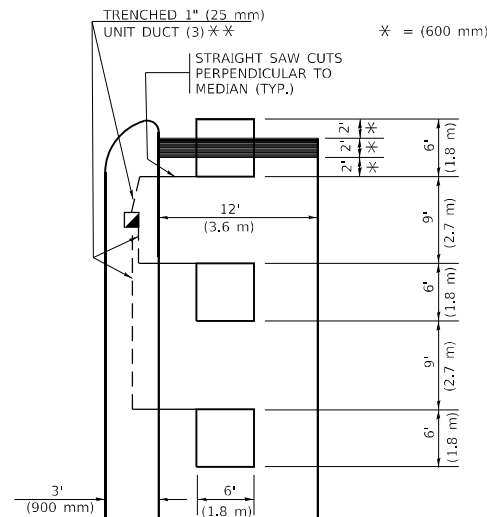


\* = (600 mm)

\*\* 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)**

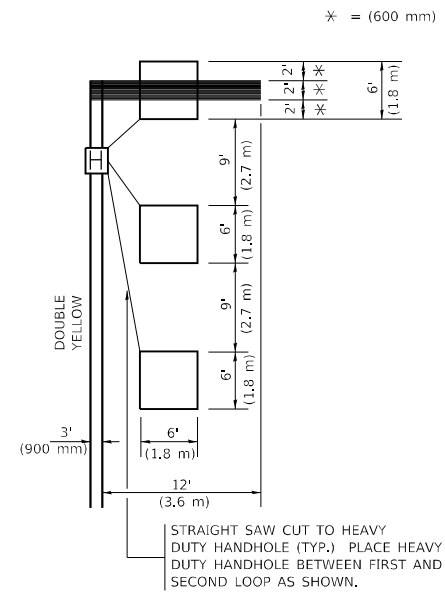
HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.



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

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

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



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

**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.

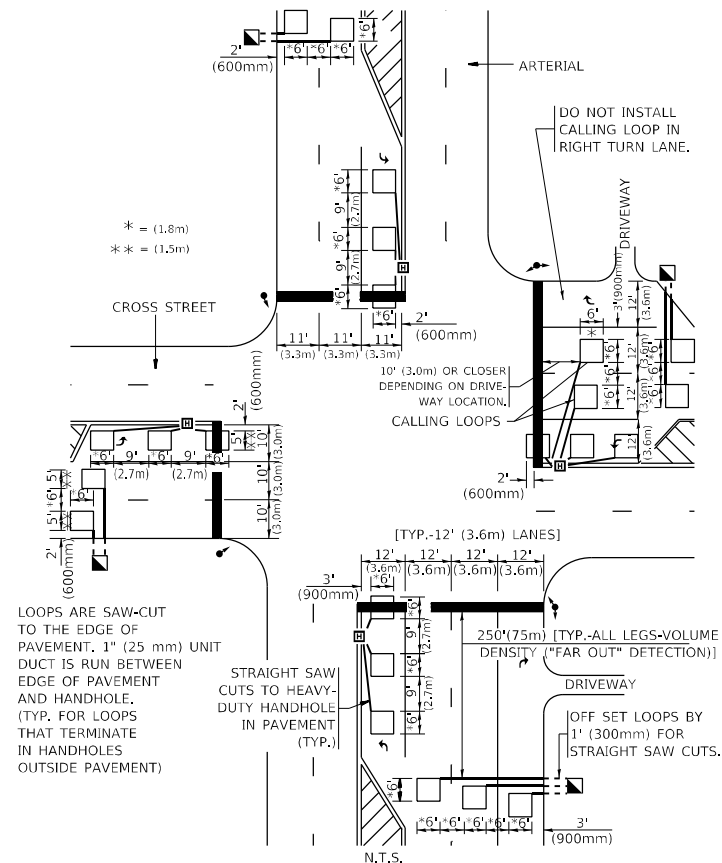
"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0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

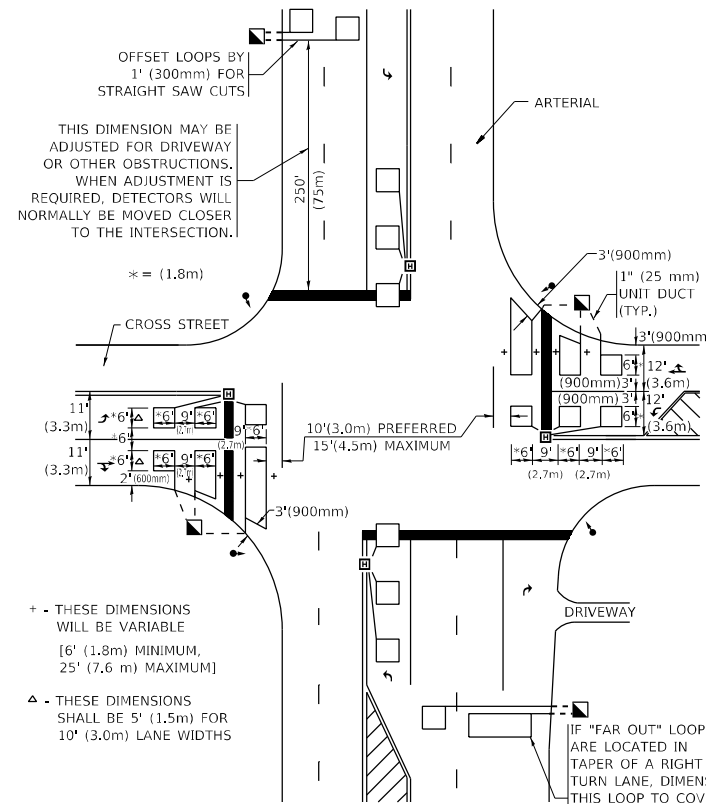
THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

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



**DETAIL 1**  
N.T.S.

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



**DETAIL 2**  
N.T.S.

- + THESE DIMENSIONS WILL BE VARIABLE [6' (1.8m) MINIMUM, 25' (7.6 m) MAXIMUM]
- △ THESE DIMENSIONS SHALL BE 5' (1.5m) FOR 10' (3.0m) LANE WIDTHS

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

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

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

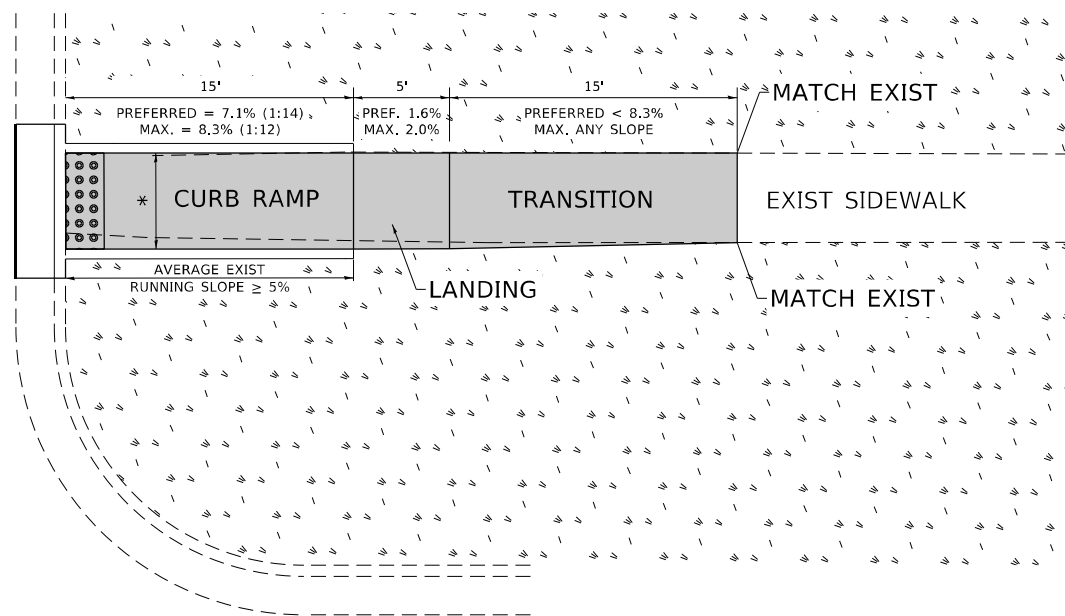
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PLOT DATE = 2/7/2022	DATE -	REVISED -

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

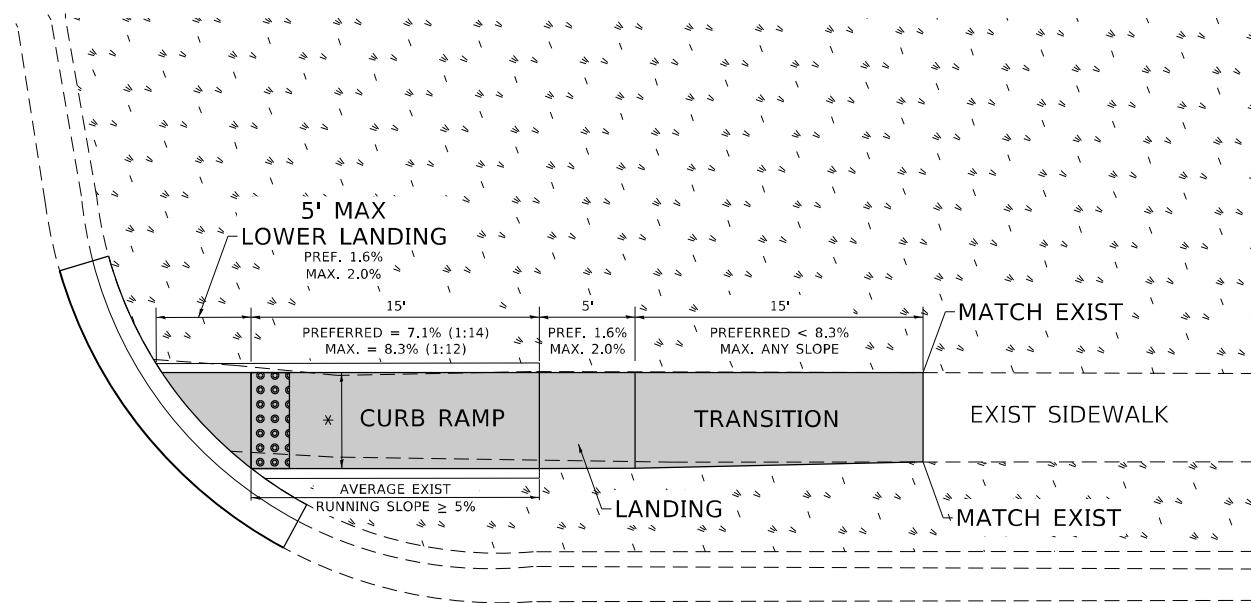
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	2021-083-R5&SW	COOK	79	75
<b>TS-07</b>		CONTRACT NO. 62N99		
ILLINOIS FED. AID PROJECT				

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

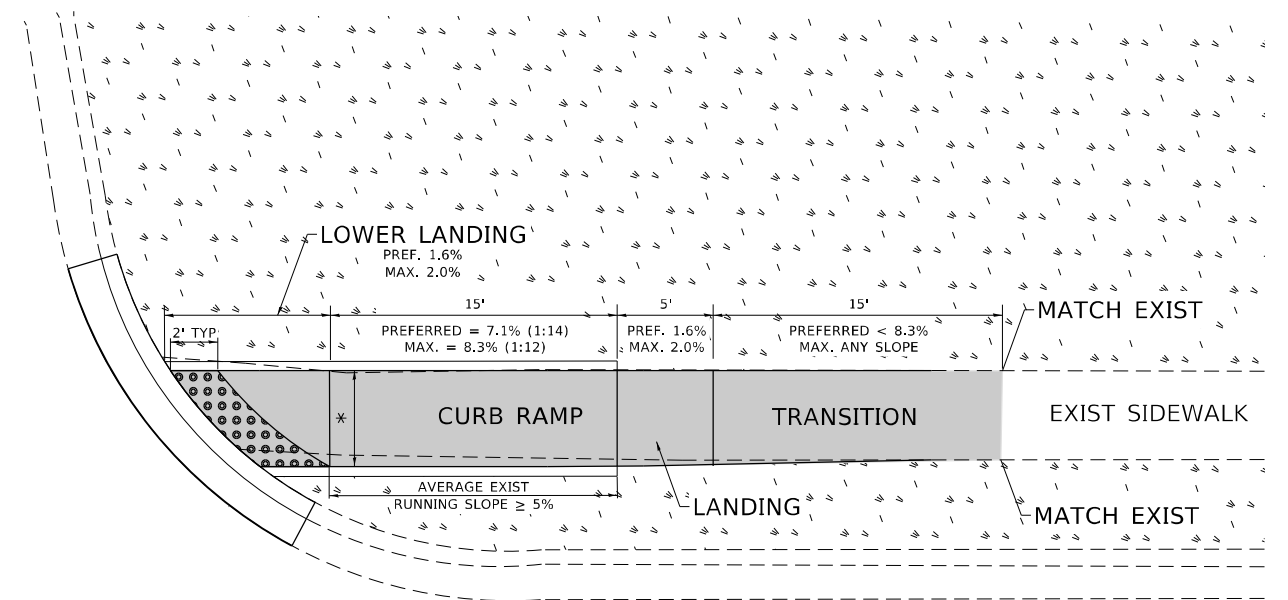
**PD-02A**



**PD-02B**



**PD-02C**



**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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USER NAME = kalorm	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - R. LEDEZMA	REVISED -
PLOT DATE = 2/7/2022	CHECKED -	REVISED -
	DATE - 10/02/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS  
(PD-02)**

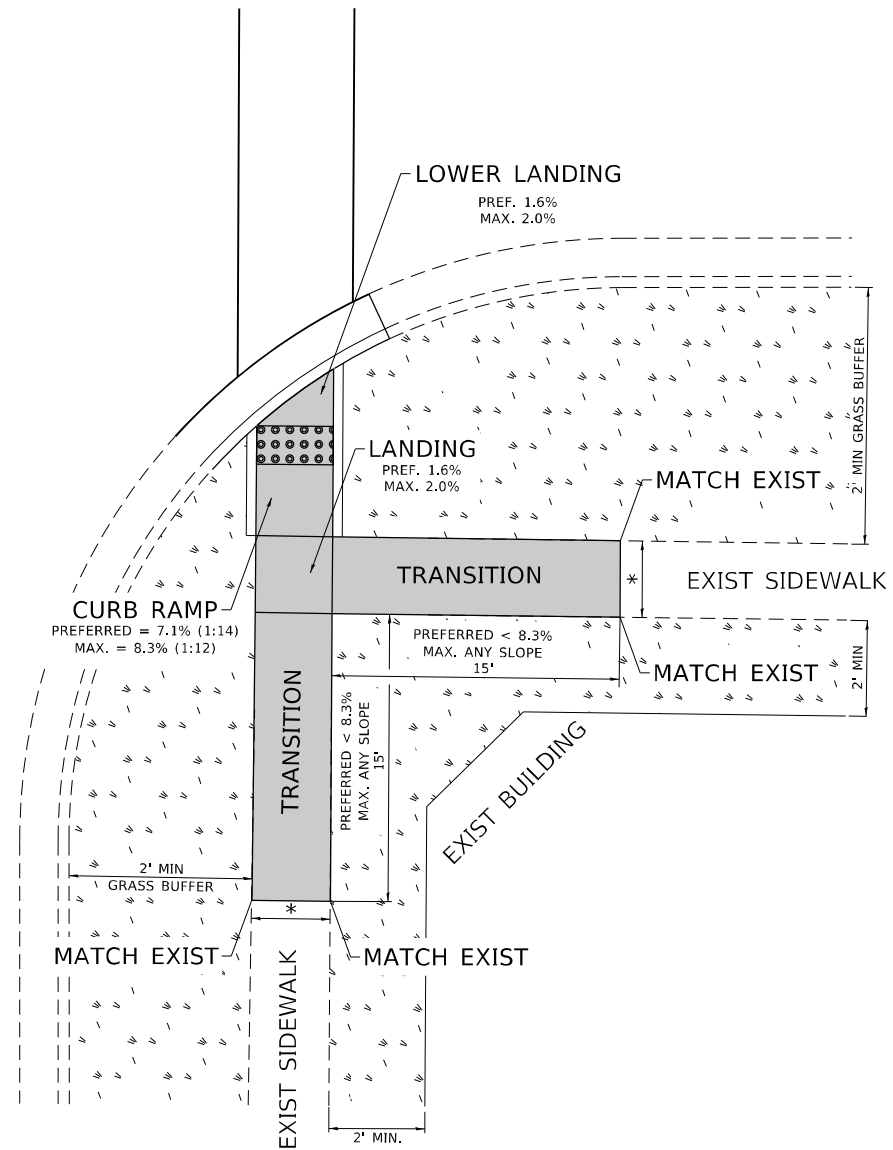
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	2021-083-R5&SW	COOK	79	76
PD-02		CONTRACT NO. 62N99		
ILLINOIS FED. AID PROJECT				

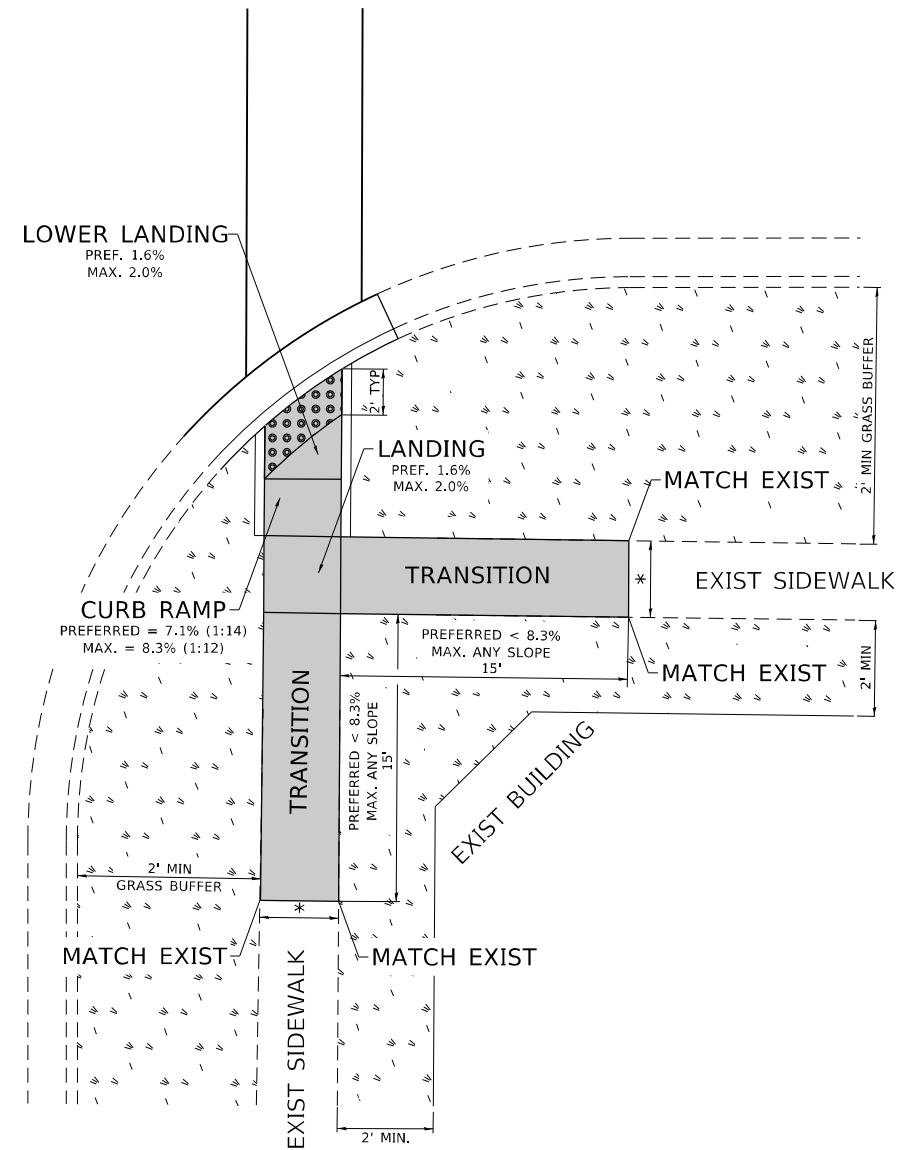


# ADA DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS W/ TURNING SPACE

**PD-04A**



**PD-04B**



**LEGEND**

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

**CONSTRUCTION NOTES:**

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

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PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 2/7/2022	DATE - 10/02/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS WITH  
TURNING SPACE (PD-04)**

SCALE: NONE    SHEET    OF    SHEETS    STA.    TO    STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	2021-083-R5&SW	COOK	79	78
PD-04		CONTRACT NO. 62N99		
		ILLINOIS FED. AID PROJECT		

