

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

FAU RTR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
2798	2018-014-RS-SW	COOK	64	1
		CONTRACT NO.	62G76	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

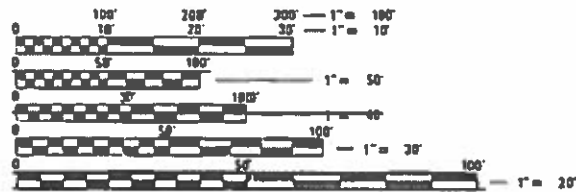
THIS PROJECT IS LOCATED IN THE VILLAGE OF SKOKIE

# PROPOSED HIGHWAY PLANS

FAU ROUTE 2798: NILES CENTER ROAD,  
TOUHY AVENUE TO CHURCH STREET  
SECTION: 2018-014-RS-SW  
PROJECT: STP-HRAT(997)  
RESURFACING (SMART), ADA IMPROVEMENTS  
COOK COUNTY  
C-91-260-18

**TRAFFIC DATA**

2014 ADT: 18,600  
POSTED SPEED: 30 MPH - 35 MPH



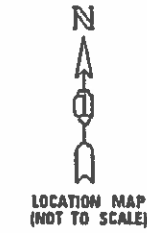
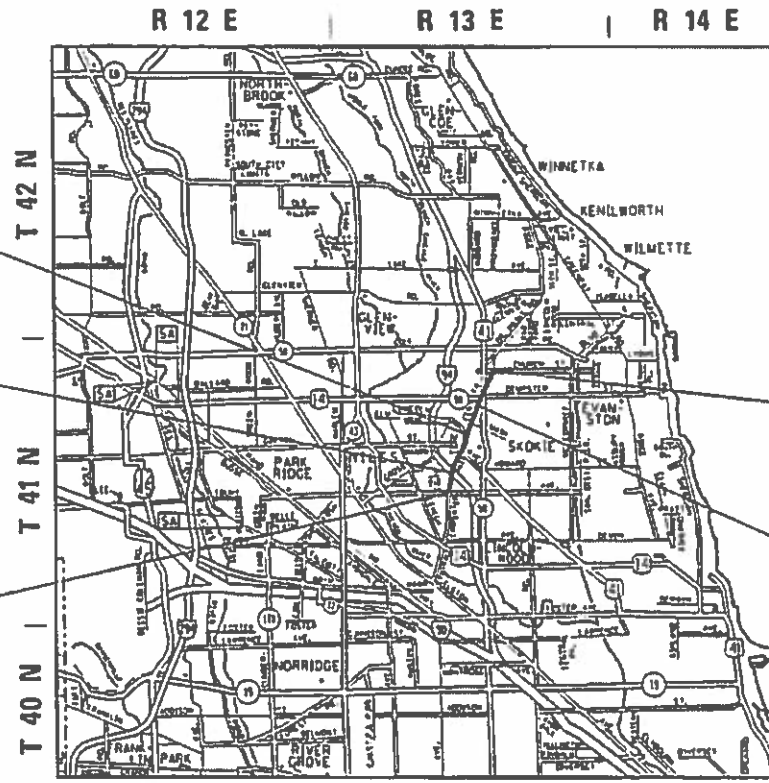
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

OMISSION  
STA 62+00.0  
TO STA 96+18.2

OMISSION  
STA 34+16.6  
TO STA 36+56.9

PROJECT BEGINS  
STA 13+56.3



PROJECT ENDS  
STA 156+34.5

OMISSION  
STA 121+45.7  
TO STA 133+94.7

NILES TOWNSHIP

GROSS LENGTH = 14,278.26 FT. = 2.704 MILE  
NET LENGTH = 9,370.14 FT. = 1.775 MILE

PROJECT ENGINEER: VESELIN VELICHKOV (847) 705-4432  
PROJECT MANAGER: FAWAD AQUEEL (847) 705-4247

CONTRACT NO. 62G76

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED January 22, 2019

Anthony J. Esposito REGIONAL ENGINEER

June 14, 2019

Robert [Signature] DIRECTOR OF INFRASTRUCTURE PROJECT IMPLEMENTATION

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## INDEX OF SHEETS

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7-9	TYPICAL SECTIONS
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45-49	DETECTOR LOOP REPLACEMENT PLAN
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51	BD-02: DRIVEWAY DETAILS - DISTANCE BETWEEN ROW AND FACE OF CURB $< 15'$ (4.5 m)
52	BD-08: DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING
53	BD-22: PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
54	BD-24: CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
55	BD-32: BUTT JOINT AND HMA TAPER DETAILS
56	TC-10: TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
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60	TC-16: SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS
61	TC-22: ARTERIAL ROAD INFORMATION SIGN
62	TC-23: TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING TREATMENT FOR RAILROAD CROSSINGS
63	MEDIAN AND CURB TREATMENTS AT HIGHWAY-RAIL INTERSECTIONS
64	TS-07: DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING

## HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-04	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-04	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424016-05	MID-BLOCK CURB RAMPS FOR SIDEWALKS
424021-05	DEPRESSED CORNER FOR SIDEWALKS
424026-03	ENTRANCE/ALLEY PEDESTRIAN CROSSINGS
424031-02	MEDIAN PEDESTRIAN CROSSINGS
442201-04	CLASS C AND D PATCHES
604001-04	FRAME AND LIDS TYPE 1
604051-04	FRAME AND GRATE TYPE 11
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS -DAY ONLY
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS $\leq 40$ MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED

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
814001-03	HANDHOLES
814006-02	DOUBLE HANDHOLES

## GENERAL NOTES

- 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)
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, AND THE VILLAGE OF SKOKIE.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- ANY PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS OBLITERATED BY MILLING AND RESURFACING OPERATIONS ON SIDE STREETS AND ENTRANCES SHALL BE REPLACED AND PAID FOR IN KIND.
- 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 OF ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE RESIDENT ENGINEER.
- ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER/TECHNICIAN.
- DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER/TECHNICIAN.
- 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.
- FOR FRAMES AND LIDS ADJUSTMENT WITHOUT MILLING, REUSE EXISTING FRAME AND LID UNLESS OTHERWISE SPECIFIED IN THE PLANS.
- THE CONTRACTOR SHALL CONTACT DISTRICT ONE ARTERIAL TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- THE ENGINEER SHALL CONTACT CORY JUCIUS, AREA TRAFFIC FIELD ENGINEER, VIA E-MAIL AT CORY.JUCIUS@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.
- 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)".
- WHEN THE MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1/2 INCHES (40 mm) WHERE THE SPEED LIMIT IS 45 MPH (80 km/h) OR LESS AND 1 INCH (25 mm) WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH (80 km/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 1:3 .
- BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) ACCORDING TO THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
- LANDSCAPED AREAS AFFECTED BY SIDEWALK CONSTRUCTION SHALL BE RESTORED WITH 18" WIDE STRIP OF "SODDING, SALT TOLERANT" AND "TOPSOIL FURNISH AND PLACE, 4-INCH" INSTALLED FROM THE BACK OF THE SIDEWALK, OR AS DETERMINED BY THE RESIDENT ENGINEER.
- PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
- UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURE AS DETERMINED AND APPROVED IN WRITING BY THE RESIDENT ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS, OVERNIGHT CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING.
- LOCATION OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT (OR COMBINATION CURB AND GUTTER (THE TYPE SPECIFIED ON THE PLANS)), WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER/TECHNICIAN.
- THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ANY AND ALL EXISTING ITEMS THAT WILL NOT BE REMOVED INCLUDING PREVIOUSLY SEEDED AREAS. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S OWN EXPENSE TO THE SATISFACTION OF THE ENGINEER.
- THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES DURING CONSTRUCTION.
- WITH RAILROAD ENTRY PERMIT AND INSURANCE PROVIDED, EXISTING HMA ROADWAY SHALL BE MILLED AND RESURFACED TO THE EDGE OF THE RAILROAD PANEL.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF ANY DETECTOR LOOPS DAMAGED DURING CONSTRUCTION.
- TEN (10) FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER TO EXISTING CURB AND GUTTERS 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 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.
- 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.
- PROPOSED SIDEWALK RAMPS SHALL CONFORM TO CURRENT ADA REQUIREMENTS AND APPLICABLE STATE HIGHWAY STANDARDS OR AS DETERMINED BY THE ENGINEER.

FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>NILES CENTER ROAD - TOUHY AVENUE TO CHURCH STREET INDEX OF SHEETS, STATE STANDARDS &amp; GENERAL NOTES</b>	F.A.U. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\planroom.dot\illinois.gov\PIDOT\Documents\DOT Offices\District 1\Projects\0133718-DRAWN\Design\0133718-sht-gennote.dgn		CHECKED -	REVISED -			2798	2018-014-RS-SW	COOK	64	2
Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -			CONTRACT NO. 62G76				
	PLOT DATE = 5/30/2019					SCALE:	SHEET	OF	SHEETS	STA.

URBAN

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		0005				
				80% FED				
			20% STATE					
			ROADWAY					
20200100	EARTH EXCAVATION	CU YD	114	114				
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	763	763				
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	22	22				
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	22	22				
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	22	22				
25200110	SODDING, SALT TOLERANT	SO YD	2149	2149				
25200200	SUPPLEMENTAL WATERING	UNIT	41	41				
35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SO YD	91	91				
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SO YD	39	39				
40600290	BITUMINOUS MATERIALS ( TACK COAT)	POUND	22373	22373				
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	75	75				
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	900	900				
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	600	600				
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	15	15				

URBAN

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		0005				
				80% FED				
			20% STATE					
			ROADWAY					
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	4165	4165				
42001300	PROTECTIVE COAT	SO YD	3998	3998				
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SO YD	239	239				
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SO YD	68	68				
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	11085	11085				
42400800	DETECTABLE WARNINGS	SO FT	1104	1104				
44000100	PAVEMENT REMOVAL	SO YD	117	117				
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SO YD	49587	49587				
44000200	DRIVEWAY PAVEMENT REMOVAL	SO YD	437	437				
44000600	SIDEWALK REMOVAL	SO FT	11444	11444				
44002212	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 3"	SO YD	4285	4285				
44200099	PAVEMENT PATCHING, TYPE III, 8 INCH	SO YD	18	18				
44201761	CLASS D PATCHES, TYPE I, 10 INCH	SO YD	40	40				
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SO YD	2387	2387				

\* = SPECIALTY ITEMS

URBAN

URBAN

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		0005					
				80% FED					
			20% STATE	ROADWAY					
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SO YD	352	352					
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SO YD	1506	1506					
60250400	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	5	5					
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	3	3					
60255500	MANHOLES TO BE ADJUSTED	EACH	4	4					
60262700	INLETS TO BE RECONSTRUCTED	EACH	7	7					
60265700	VALVE VAULTS TO BE ADJUSTED	EACH	4	4					
60266600	VALVE BOXES TO BE ADJUSTED	EACH	6	6					
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	71	71					
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	19	19					
60404800	FRAMES AND GRATES, TYPE 11	EACH	16	16					
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	5	5					
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	69	69					
60600605	CONCRETE CURB, TYPE B	FOOT	1529	1529					
60619600	CONCRETE MEDIAN, TYPE SB-6.12	SO FT	439	439					

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		0005					
				80% FED					
			20% STATE	ROADWAY					
60622305	CONCRETE MEDIAN, TYPE SM - 4.12	SO FT	439	439					
63500310	REMOVE AND REINSTALL DELINEATORS	EACH	30	30					
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	114	114					
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	2	2					
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	1					
* 66901002	ON-SITE MONITORING OF REGULATED SUBSTANCES	CAL DA	30	30					
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	1					
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12					
67100100	MOBILIZATION	L SUM	1	1					
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1					
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	1					
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1					

\* = SPECIALTY ITEMS



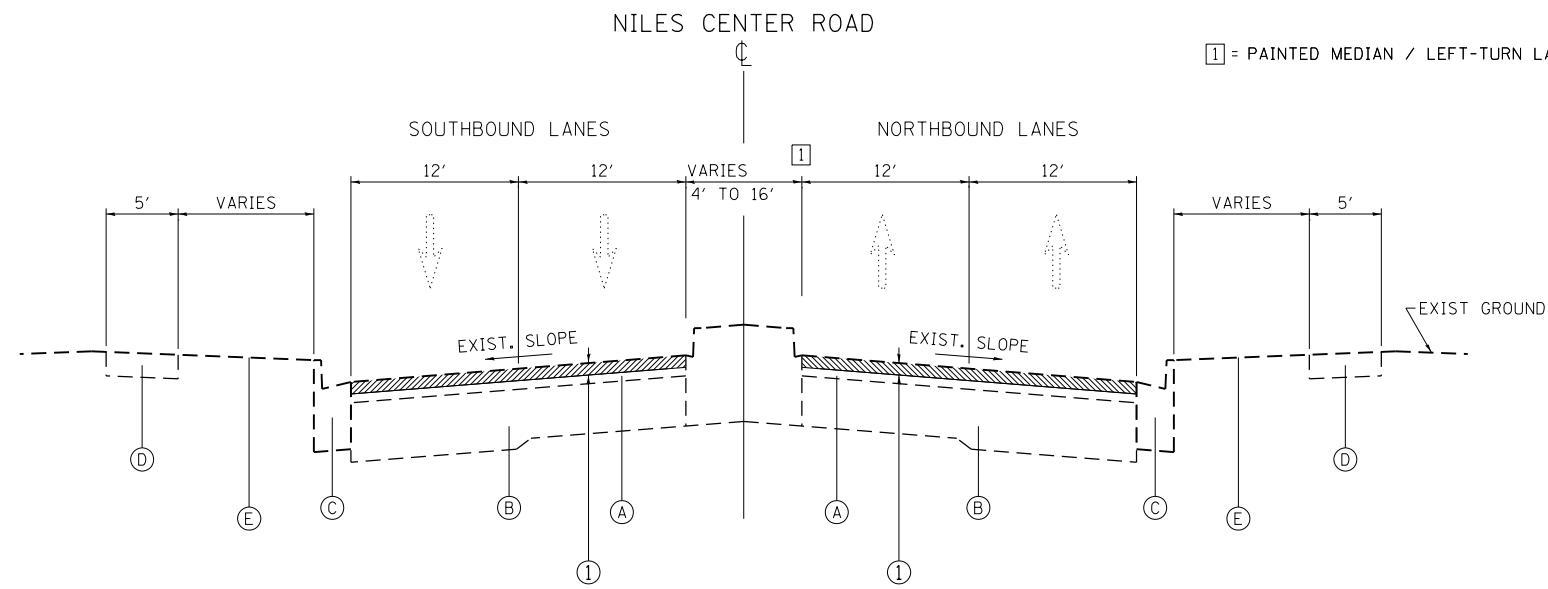
URBAN

URBAN

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		0005					CODE NO	ITEM	UNIT		0005				
				80% FED									80% FED				
			20% STATE								20% STATE						
			ROADWAY								ROADWAY						
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	11547	11547													
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	3849	3849													
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SO FT	590	590													
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	15087	15087													
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	3412	3412													
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	151	151													
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	4405	4405													
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	691	691													
70300510	PAVEMENT MARKING TAPE, TYPE III - LETTERS AND SYMBOLS	SO FT	590	590													
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	3849	3849													
72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	2	2													
72400310	REMOVE SIGN PANEL - TYPE 1	SO FT	9	9													
* 72400600	RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	2	2													
* 72400710	RELOCATE SIGN PANEL - TYPE 1	SO FT	9	9													
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	590	590													
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	15087	15087													
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	3412	3412													
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	151	151													
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	4405	4405													
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	691	691													
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	535	535													
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	486	486													
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1	1													
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	2236	2236													
* 89500400	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	4	4													

\* = SPECIALTY ITEMS  
 △ = NON-PARTICIPATING WORK (100% STATE)





**EXISTING TYPICAL SECTION**  
STA 13+46.3 TO STA 18+48

**LEGEND - EXISTING:**

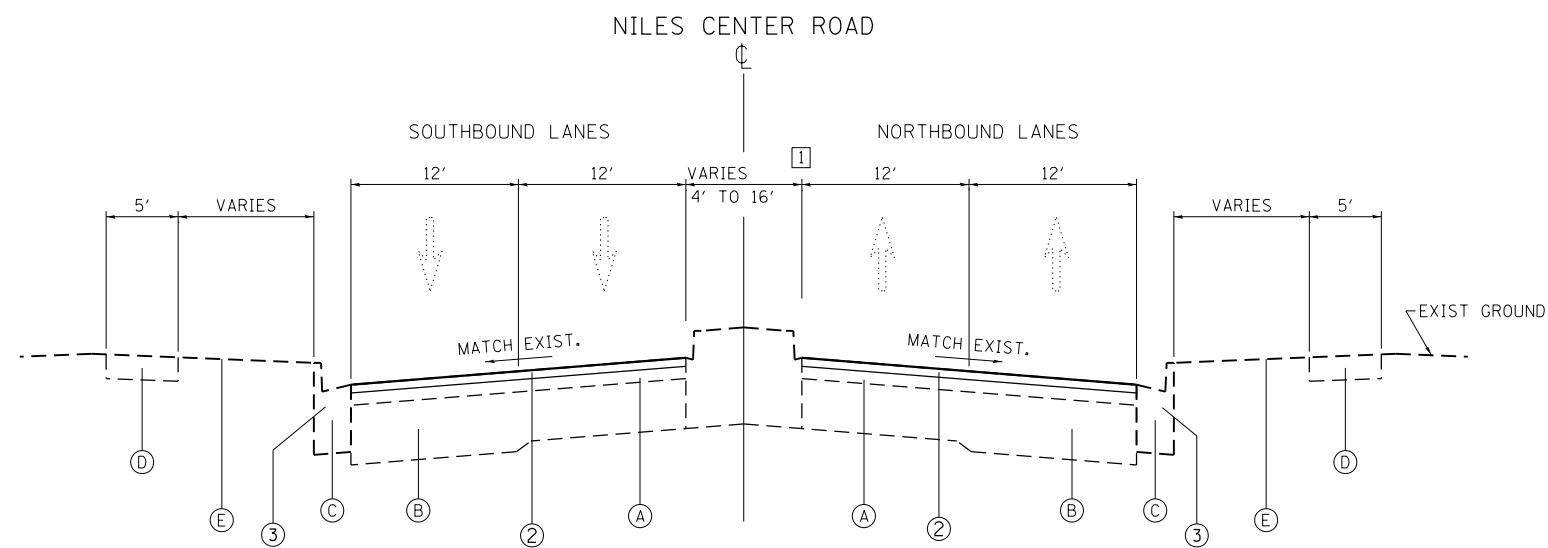
- (A) HMA OVERLAY
- (B) PORTLAND CEMENT CONCRETE PAVEMENT, ±10"
- (C) COMBINATION CONCRETE CURB & GUTTER
- (D) PCC SIDEWALK
- (E) TOPSOIL

**NOTES:**

THE CONTRACTOR SHALL PATCH FIRST BEFORE MILLING.

**LEGEND - PROPOSED**

- ① HOT-MIX ASPHALT SURFACE REMOVAL, 1/2"
- ② HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1/2"
- ③ COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT  
LOCATIONS OF COMBINATION CONCRETE CURB AND GUTTER  
REMOVAL AND REPLACEMENT WILL BE DETERMINED IN THE FIELD  
BY THE RESIDENT ENGINEER/TECHNICIAN.



**PROPOSED TYPICAL SECTION**  
STA 13+46.3 TO STA 18+48

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	AIR VOIDS @ Ndes	QUALITY MANAGEMENT PROGRAM (QMP)
<b>PAVEMENT RESURFACING</b>		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, (IL-9.5 mm)	4% AT 70 GYR.	OCP
<b>DRIVEWAYS</b>		
HMA SURFACE COURSE, MIX D, N50 (IL 9.5 mm); 2"	4% AT 50 GYR.	QC/OA
HMA BASE COURSE (HMA BINDER IL-19 mm); PE - 6", CE - 8"	4% AT 50 GYR.	QC/OA
<b>PATCHING</b>		
CLASS D PATCHES (HMA BINDER IL-19 mm)	4% AT 70 GYR.	QC/OA
HMA REPLACEMENT OVER PATCHES (HMA BINDER IL-19 mm)	4% AT 70 GYR.	QC/OA
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/OA); QUALITY CONTROL FOR PERFORMANCE (QCP)		

- 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 DISTRICT ONE SPECIAL PROVISIONS. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.
- NOTE 3: QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.

MODEL: Default  
FILE: Niles\_Ctr\_Plan\_PlanRoom.dwg  
PROJECT: I:\Projects\133718\CD\Drawings\DOT - Offices\133718-218-sh-cv-pln.dwg

USER NAME = Velichkovv	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 5/30/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

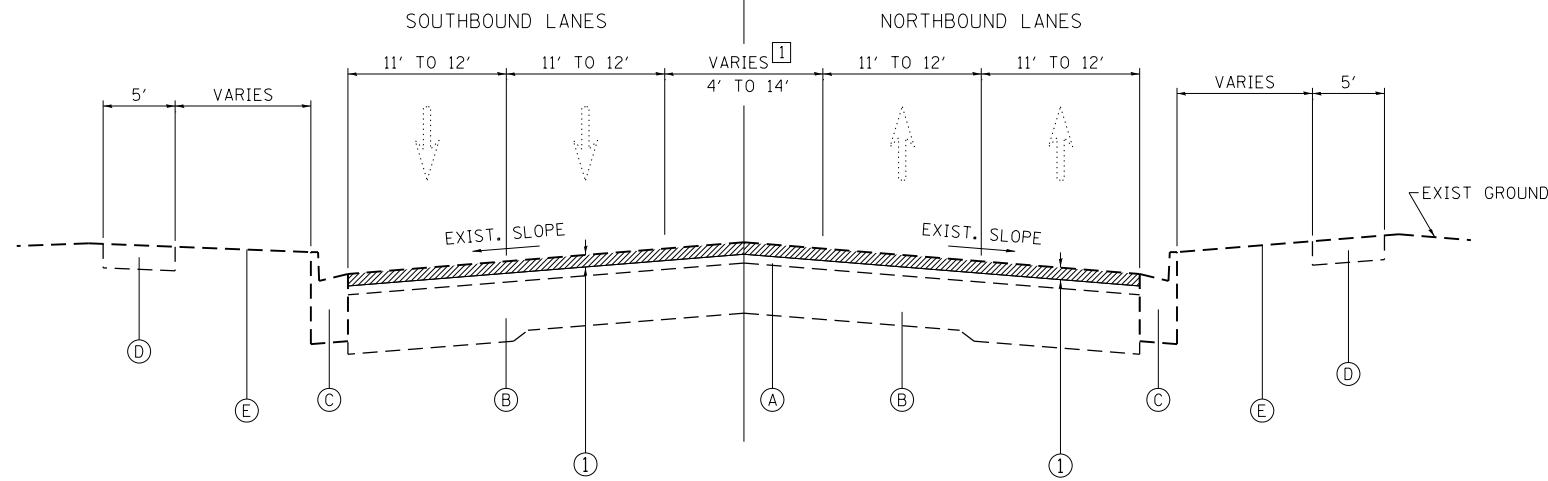
**NILES CENTER ROAD - TOUHY AVENUE TO CHURCH STREET  
TYPICAL SECTIONS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2798	2018-014-R5-SW	COOK	64	7
CONTRACT NO. 62G76				
ILLINOIS FED. AID PROJECT				

NILES CENTER ROAD

① = PAINTED MEDIAN / LEFT-TURN LANE / TWO-WAY LEFT-TURN LANE



LEGEND - EXISTING:

- Ⓐ HMA OVERLAY
- Ⓑ PORTLAND CEMENT CONCRETE PAVEMENT, ±10"
- Ⓒ COMBINATION CONCRETE CURB & GUTTER
- Ⓓ PCC SIDEWALK
- Ⓔ TOPSOIL

NOTES:

THE CONTRACTOR SHALL PATCH FIRST BEFORE MILLING.

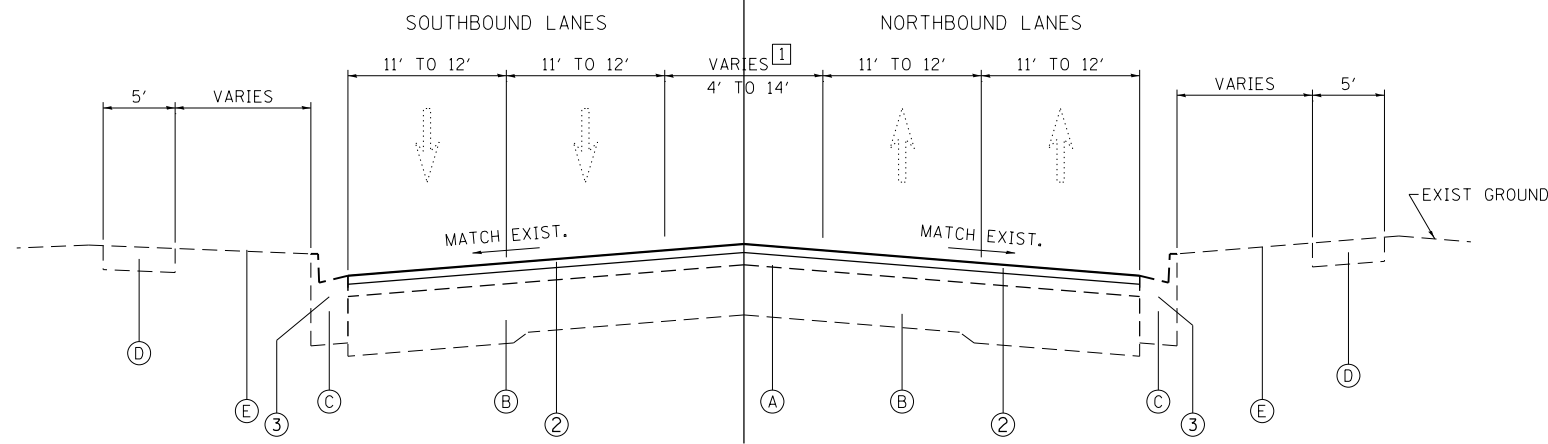
EXISTING TYPICAL SECTION

STA 18+48 TO STA 34+16.6  
STA 36+56.9 TO STA 46+60

LEGEND - PROPOSED

- ① HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
- ② HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
- ③ COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT LOCATIONS OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER/TECHNICIAN.

NILES CENTER ROAD



PROPOSED TYPICAL SECTION

STA 18+18 TO STA 34+16.6  
STA 36+56.9 TO STA 46+60

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	DRAWN -	REVISED -
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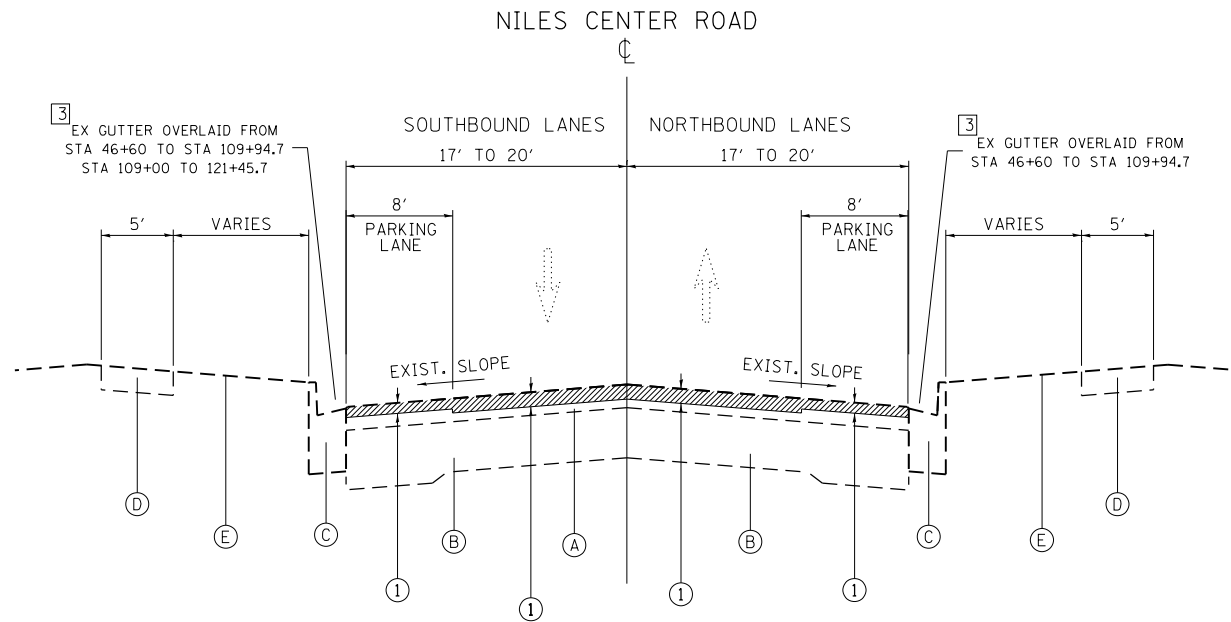
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

NILES CENTER ROAD - TOUHY AVENUE TO CHURCH STREET  
TYPICAL SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2798	2018-014-R5-SW	COOK	64	8
CONTRACT NO. 62G76				
ILLINOIS FED. AID PROJECT				

③ = OVERLAID CURB AND GUTTER SHALL BE REMOVED AND REPLACED. PAID AS "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT."



**EXISTING TYPICAL SECTION**

STA 46+60 TO STA 62+00  
 STA 96+18.2 TO STA 121+45.7  
 STA 134+94.7 TO STA 156+34.5

**LEGEND - EXISTING:**

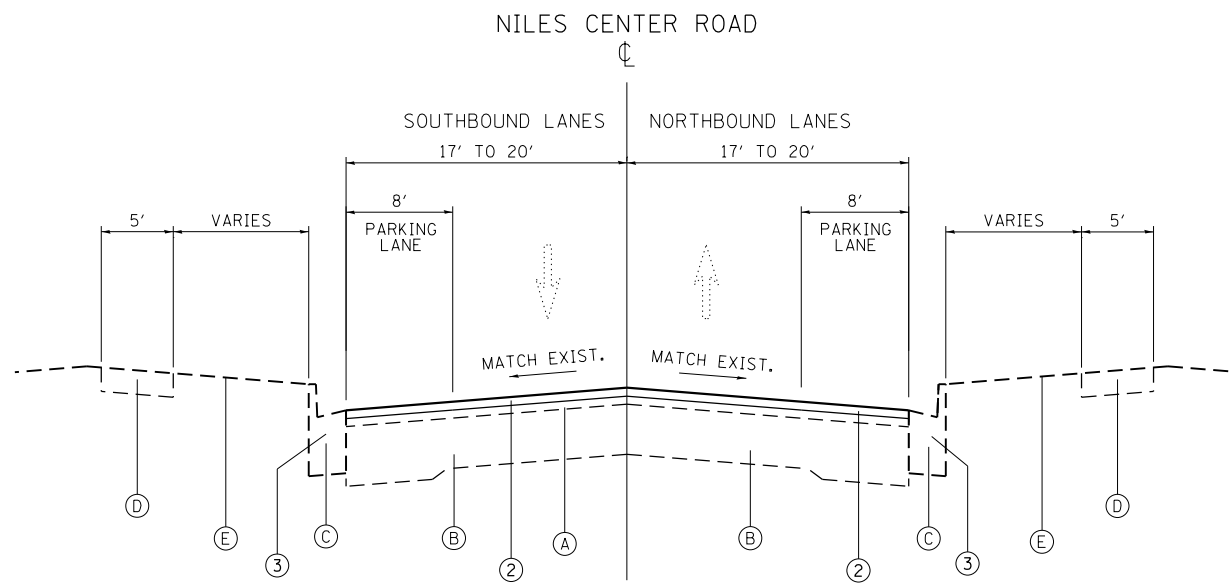
- Ⓐ HMA OVERLAY
- Ⓑ PORTLAND CEMENT CONCRETE PAVEMENT, ±10"
- Ⓒ COMBINATION CONCRETE CURB & GUTTER
- Ⓓ PCC SIDEWALK
- Ⓔ TOPSOIL

**NOTES:**

THE CONTRACTOR SHALL PATCH FIRST BEFORE MILLING.

**LEGEND - PROPOSED**

- ① HOT-MIX ASPHALT SURFACE REMOVAL, 1/2"
- ② HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1/2"
- ③ COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT  
 LOCATIONS OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER/TECHNICIAN.



**PROPOSED TYPICAL SECTION**

STA 46+60 TO STA 62+00  
 STA 96+18.2 TO STA 121+45.7  
 STA 134+94.7 TO STA 156+34.5

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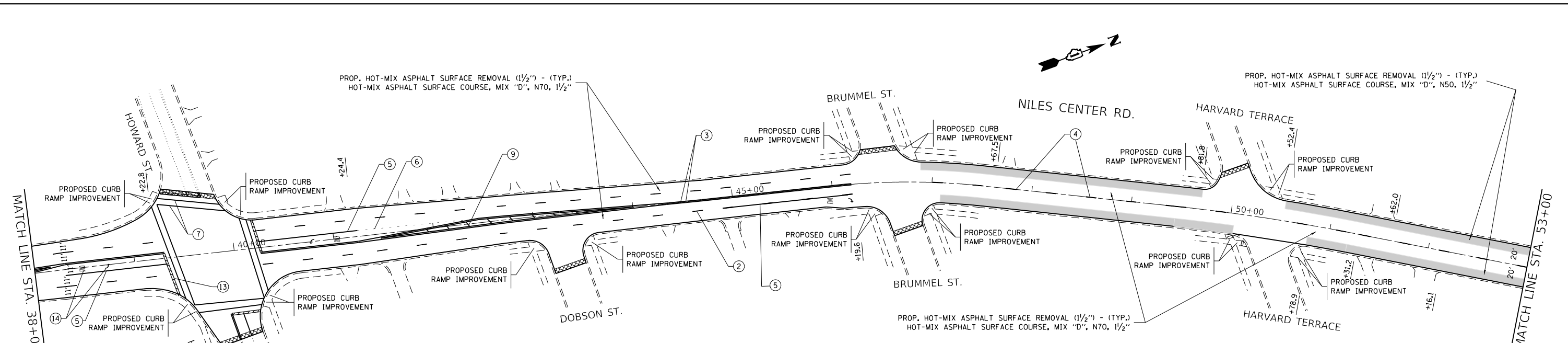
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**NILES CENTER ROAD - TOUHY AVENUE TO CHURCH STREET  
 TYPICAL SECTIONS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2798	2018-014-R5-SW	COOK	64	9
CONTRACT NO. 62G76				
ILLINOIS FED. AID PROJECT				





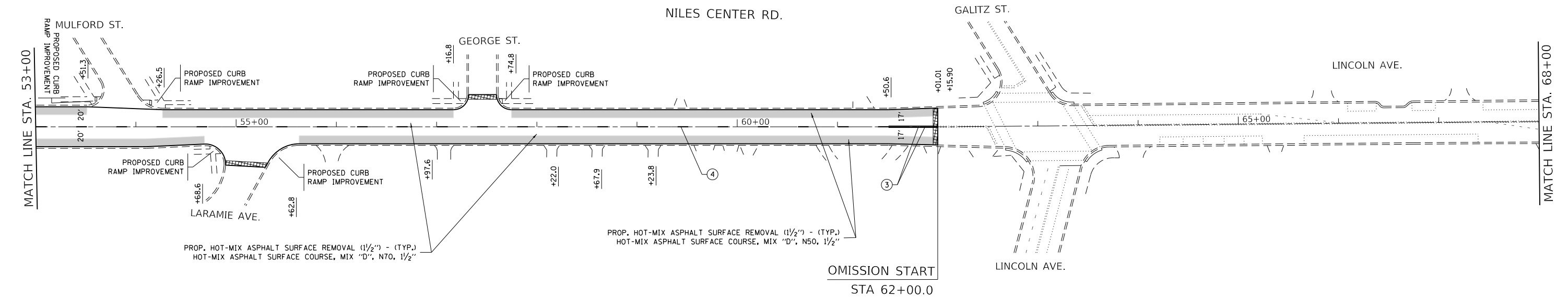
**PROPOSED PAVEMENT MARKINGS LEGEND**

- ① THERMOPLASTIC PVMT. MARKING LINE 4", SOLID, YELLOW - EDGE LINE (TYP.)
- ② THERMOPLASTIC PVMT. MARKING LINE 4", SKIP-DASH, WHITE, 10' LINE - 30' SPACE - LANE LINES (TYP.)
- ③ THERMOPLASTIC PVMT. MARKING LINE 4", 2 @ 4", SOLID, YELLOW, 11" C-C - CENTERLINE (TYP.)
- ④ THERMOPLASTIC PVMT. MARKING LINE 4", SKIP-DASH, YELLOW, 10' LINE - 30' SPACE - CENTERLINE (TYP.)
- ⑤ THERMOPLASTIC PVMT. MARKING LINE 6", SOLID, WHITE - TURN LANE MARKINGS (TYP.)
- ⑥ THERMOPLASTIC PVMT. MARKING LINE 6", SKIP-DASH, WHITE, 2' LINE - 6' SPACE - DOTTED LINES (TYP.)
- ⑦ THERMOPLASTIC PVMT. MARKING LINE 6", 2 @ 6", SOLID, WHITE - CROSSWALK LINES (PEDESTRIAN) (TYP.)
- ⑧ THERMOPLASTIC PVMT. MARKING LINE 8", SOLID, WHITE CHANNELIZING LANE MARKING (TYP.) (SEE DISTRICT DETAIL TC-13 FOR SPECS)
- ⑨ THERMOPLASTIC PVMT. MARKING LINE 12", SOLID, YELLOW - PAINTED MEDIAN DIAGONALS (TYP.) (SEE DISTRICT DETAIL TC-13 FOR SPACING)
- ⑩ THERMOPLASTIC PVMT. MARKING LINE 12", SOLID, WHITE - DIAGONALS (BIKE & EQUESTRIAN) (TYP.) (SEE DISTRICT DETAIL TC-13 FOR SPACING)
- ⑪ THERMOPLASTIC PVMT. MARKING LINE 12", SOLID, WHITE - CROSSWALK, LONGITUDINAL BARS (SCHOOL) (TYP.) (SEE DISTRICT DETAIL TC-13 FOR SPACING)
- ⑫ THERMOPLASTIC PVMT. MARKING LINE 12", SOLID, CHEVRON WHITE - DIAGONAL, GORE MARKING AND CHANNELIZING LINES, (TYP.) (SEE DISTRICT DETAIL TC-13 FOR SPACING)
- ⑬ THERMOPLASTIC PVMT. MARKING LINE 24", SOLID, WHITE - STOP LINES (TYP.)
- ⑭ THERMOPLASTIC PVMT. MARKING LETTERS & SYMBOLS, SOLID, WHITE - TURN LANE AND RAILROAD CROSSING MARKINGS (TYP.) (SEE DISTRICT DETAIL TC-16 FOR SPECS)

**ROADWAY LEGEND**

- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT

- NOTES:**
- LIMIT OF RESURFACING ON THE SIDE- STREETS THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER / TECHNICIAN.
  - ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKINGS (OF THE EXTRUDED TYPE).
  - ALL FINAL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH TC-13 "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" STANDARD DETAIL.
  - ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH TC-11 "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" STANDARD DETAIL.
  - FOR PROPOSED CURB RAMP IMPROVEMENTS, SEE "ADA RAMP DETAILS".



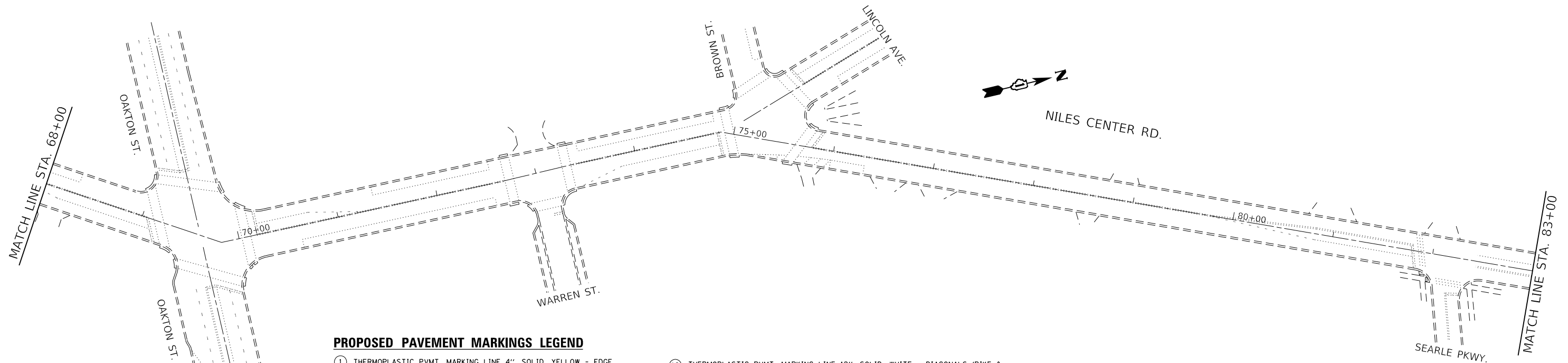
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PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 5/31/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>NILES CENTER ROAD - TOUHY AVENUE TO CHURCH STREET ROADWAY AND PAVEMENT MARKING PLAN</b>			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2798	2018-014-R5-SW	COOK	64	11
CONTRACT NO. 62G76				
ILLINOIS FED. AID PROJECT				



**PROPOSED PAVEMENT MARKINGS LEGEND**

- ① THERMOPLASTIC PVMT. MARKING LINE 4", SOLID, YELLOW - EDGE LINE (TYP.)
- ② THERMOPLASTIC PVMT. MARKING LINE 4", SKIP-DASH, WHITE, 10' LINE - 30' SPACE - LANE LINES (TYP.)
- ③ THERMOPLASTIC PVMT. MARKING LINE 4", 2 @ 4", SOLID, YELLOW, 11" C-C - CENTERLINE (TYP.)
- ④ THERMOPLASTIC PVMT. MARKING LINE 4", SKIP-DASH, YELLOW, 10' LINE - 30' SPACE - CENTERLINE (TYP.)
- ⑤ THERMOPLASTIC PVMT. MARKING LINE 6", SOLID, WHITE - TURN LANE MARKINGS (TYP.)
- ⑥ THERMOPLASTIC PVMT. MARKING LINE 6", SKIP-DASH, WHITE, 2' LINE - 6' SPACE - DOTTED LINES (TYP.)
- ⑦ THERMOPLASTIC PVMT. MARKING LINE 6", 2 @ 6", SOLID, WHITE - CROSSWALK LINES (PEDESTRIAN) (TYP.)
- ⑧ THERMOPLASTIC PVMT. MARKING LINE 8", SOLID, WHITE CHANNELIZING LANE MARKING (TYP.) (SEE DISTRICT DETAIL TC-13 FOR SPECS)
- ⑨ THERMOPLASTIC PVMT. MARKING LINE 12", SOLID, YELLOW - PAINTED MEDIAN DIAGONALS (TYP.) (SEE DISTRICT DETAIL TC-13 FOR SPACING)

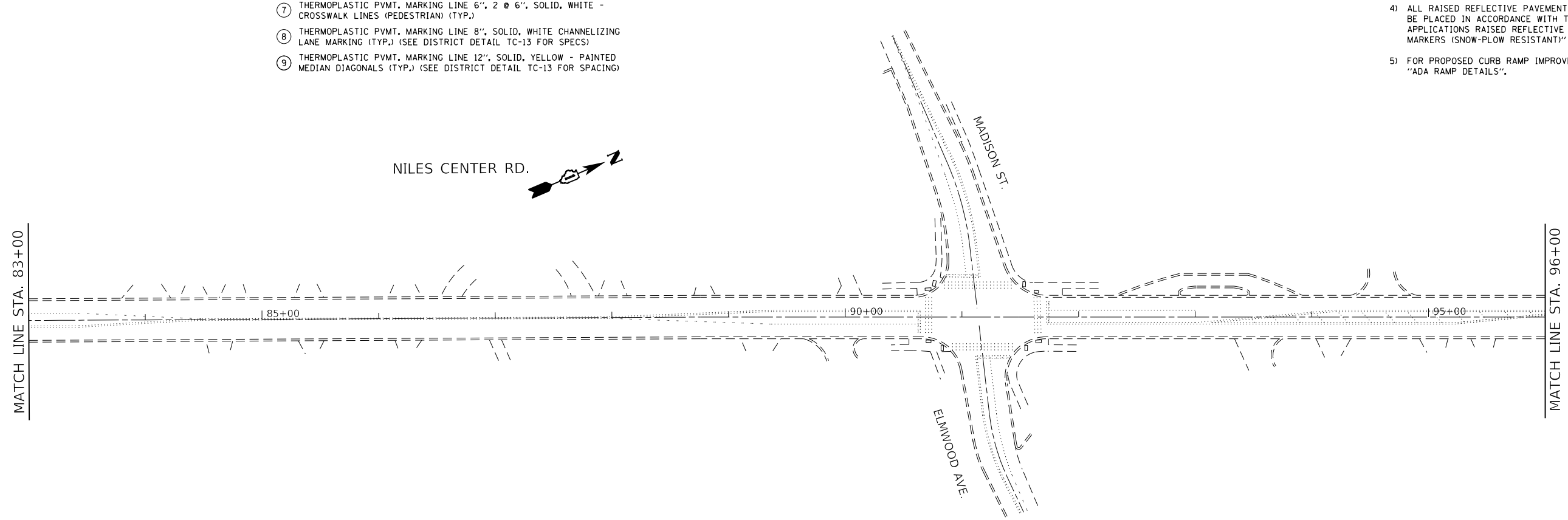
- ⑩ THERMOPLASTIC PVMT. MARKING LINE 12", SOLID, WHITE - DIAGONALS (BIKE & EQUESTRIAN) (TYP.) (SEE DISTRICT DETAIL TC-13 FOR SPACING)
- ⑪ THERMOPLASTIC PVMT. MARKING LINE 12", SOLID, WHITE - CROSSWALK, LONGITUDINAL BARS (SCHOOL) (TYP.) (SEE DISTRICT DETAIL TC-13 FOR SPACING)
- ⑫ THERMOPLASTIC PVMT. MARKING LINE 12", SOLID, CHEVRON WHITE - DIAGONAL, GORE MARKING AND CHANNELIZING LINES, (TYP.) (SEE DISTRICT DETAIL TC-13 FOR SPACING)
- ⑬ THERMOPLASTIC PVMT. MARKING LINE 24", SOLID, WHITE - STOP LINES (TYP.)
- ⑭ THERMOPLASTIC PVMT. MARKING LETTERS & SYMBOLS, SOLID, WHITE - TURN LANE AND RAILROAD CROSSING MARKINGS (TYP.) (SEE DISTRICT DETAIL TC-16 FOR SPECS)

**ROADWAY LEGEND**

- ☒ HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT

**NOTES:**

- 1) LIMIT OF RESURFACING ON THE SIDE- STREETS THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER / TECHNICIAN.
- 2) ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKINGS (OF THE EXTRUDED TYPE).
- 3) ALL FINAL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH TC-13 "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" STANDARD DETAIL.
- 4) ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH TC-11 "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" STANDARD DETAIL.
- 5) FOR PROPOSED CURB RAMP IMPROVEMENTS, SEE "ADA RAMP DETAILS".



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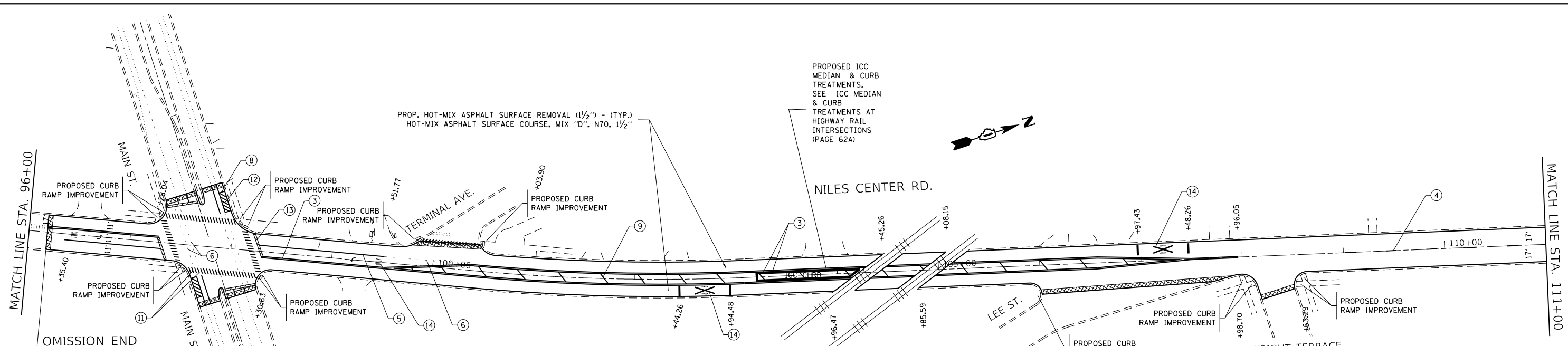
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**NILES CENTER ROAD - TOUHY AVENUE TO CHURCH STREET  
ROADWAY AND PAVEMENT MARKING PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2798	2018-014-R5-SW	COOK	64	12
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62G76	





**PROPOSED PAVEMENT MARKINGS LEGEND**

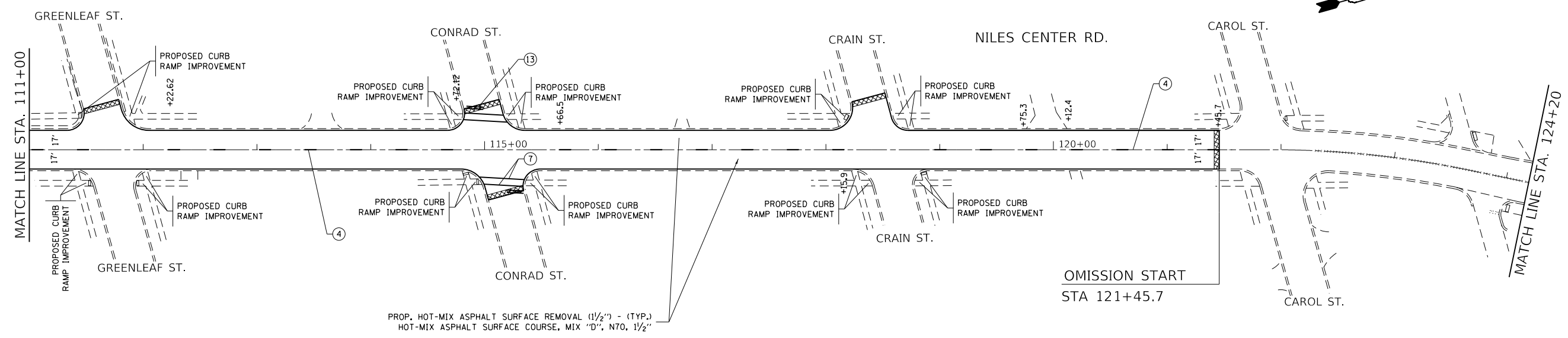
- ① THERMOPLASTIC PVMT. MARKING LINE 4", SOLID, YELLOW - EDGE LINE (TYP.)
- ② THERMOPLASTIC PVMT. MARKING LINE 4", SKIP-DASH, WHITE, 10' LINE - 30' SPACE - LANE LINES (TYP.)
- ③ THERMOPLASTIC PVMT. MARKING LINE 4", 2 @ 4", SOLID, YELLOW, 11" C-C - CENTERLINE (TYP.)
- ④ THERMOPLASTIC PVMT. MARKING LINE 4", SKIP-DASH, YELLOW, 10' LINE - 30' SPACE - CENTERLINE (TYP.)
- ⑤ THERMOPLASTIC PVMT. MARKING LINE 6", SOLID, WHITE - TURN LANE MARKINGS (TYP.)
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- ⑧ THERMOPLASTIC PVMT. MARKING LINE 8", SOLID, WHITE CHANNELIZING LANE MARKING (TYP.) (SEE DISTRICT DETAIL TC-13 FOR SPECS)
- ⑨ THERMOPLASTIC PVMT. MARKING LINE 12", SOLID, YELLOW - PAINTED MEDIAN DIAGONALS (TYP.) (SEE DISTRICT DETAIL TC-13 FOR SPACING)
- ⑩ THERMOPLASTIC PVMT. MARKING LINE 12", SOLID, WHITE - DIAGONALS (BIKE & EQUESTRIAN) (TYP.) (SEE DISTRICT DETAIL TC-13 FOR SPACING)
- ⑪ THERMOPLASTIC PVMT. MARKING LINE 12", SOLID, WHITE - CROSSWALK, LONGITUDINAL BARS (SCHOOL) (TYP.) (SEE DISTRICT DETAIL TC-13 FOR SPACING)
- ⑫ THERMOPLASTIC PVMT. MARKING LINE 12", SOLID, CHEVRON WHITE - DIAGONAL, GORE MARKING AND CHANNELIZING LINES, (TYP.) (SEE DISTRICT DETAIL TC-13 FOR SPACING)
- ⑬ THERMOPLASTIC PVMT. MARKING LINE 24", SOLID, WHITE - STOP LINES (TYP.)
- ⑭ THERMOPLASTIC PVMT. MARKING LETTERS & SYMBOLS, SOLID, WHITE - TURN LANE AND RAILROAD CROSSING MARKINGS (TYP.) (SEE DISTRICT DETAIL TC-16 FOR SPECS)

**ROADWAY LEGEND**

☒ HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT

**NOTES:**

- 1) LIMIT OF RESURFACING ON THE SIDE-STREETS THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER / TECHNICIAN.
- 2) ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKINGS (OF THE EXTRUDED TYPE).
- 3) ALL FINAL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH TC-13 "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" STANDARD DETAIL.
- 4) ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH TC-11 "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" STANDARD DETAIL.
- 5) FOR PROPOSED CURB RAMP IMPROVEMENTS, SEE "ADA RAMP DETAILS".



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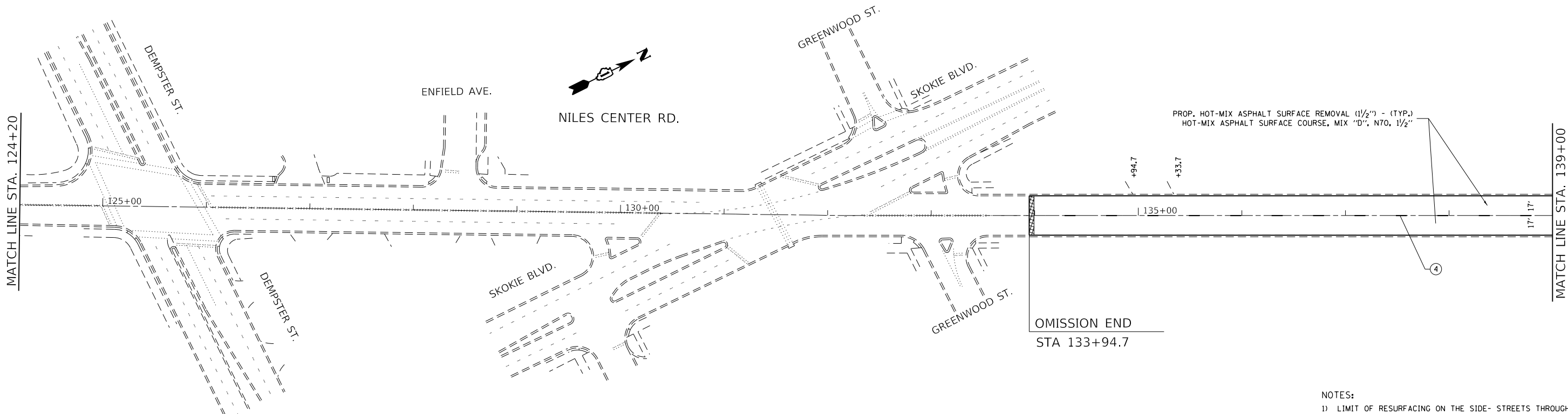
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**NILES CENTER ROAD - TOUHY AVENUE TO CHURCH STREET  
ROADWAY AND PAVEMENT MARKING PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2798	2018-014-RS-SW	COOK	64	13
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62G76	



**PROPOSED PAVEMENT MARKINGS LEGEND**

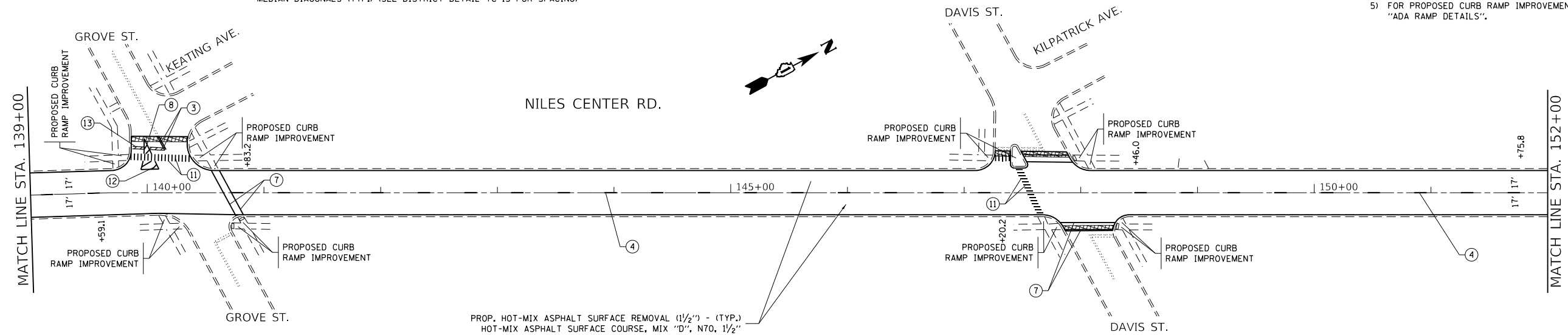
- ① THERMOPLASTIC PVMT. MARKING LINE 4", SOLID, YELLOW - EDGE LINE (TYP.)
- ② THERMOPLASTIC PVMT. MARKING LINE 4", SKIP-DASH, WHITE, 10' LINE - 30' SPACE - LANE LINES (TYP.)
- ③ THERMOPLASTIC PVMT. MARKING LINE 4", 2 @ 4", SOLID, YELLOW, 11" C-C - CENTERLINE (TYP.)
- ④ THERMOPLASTIC PVMT. MARKING LINE 4", SKIP-DASH, YELLOW, 10' LINE - 30' SPACE - CENTERLINE (TYP.)
- ⑤ THERMOPLASTIC PVMT. MARKING LINE 6", SOLID, WHITE - TURN LANE MARKINGS (TYP.)
- ⑥ THERMOPLASTIC PVMT. MARKING LINE 6", SKIP-DASH, WHITE, 2' LINE - 6' SPACE - DOTTED LINES (TYP.)
- ⑦ THERMOPLASTIC PVMT. MARKING LINE 6", 2 @ 6", SOLID, WHITE - CROSSWALK LINES (PEDESTRIAN) (TYP.)
- ⑧ THERMOPLASTIC PVMT. MARKING LINE 8", SOLID, WHITE CHANNELIZING LANE MARKING (TYP.) (SEE DISTRICT DETAIL TC-13 FOR SPECS)
- ⑨ THERMOPLASTIC PVMT. MARKING LINE 12", SOLID, YELLOW - PAINTED MEDIAN DIAGONALS (TYP.) (SEE DISTRICT DETAIL TC-13 FOR SPACING)

- ⑩ THERMOPLASTIC PVMT. MARKING LINE 12", SOLID, WHITE - DIAGONALS (BIKE & EQUESTRIAN) (TYP.) (SEE DISTRICT DETAIL TC-13 FOR SPACING)
- ⑪ THERMOPLASTIC PVMT. MARKING LINE 12", SOLID, WHITE - CROSSWALK, LONGITUDINAL BARS (SCHOOL) (TYP.) (SEE DISTRICT DETAIL TC-13 FOR SPACING)
- ⑫ THERMOPLASTIC PVMT. MARKING LINE 12", SOLID, CHEVRON WHITE - DIAGONAL, CORE MARKING AND CHANNELIZING LINES, (TYP.) (SEE DISTRICT DETAIL TC-13 FOR SPACING)
- ⑬ THERMOPLASTIC PVMT. MARKING LINE 24", SOLID, WHITE - STOP LINES (TYP.)
- ⑭ THERMOPLASTIC PVMT. MARKING LETTERS & SYMBOLS, SOLID, WHITE - TURN LANE AND RAILROAD CROSSING MARKINGS (TYP.) (SEE DISTRICT DETAIL TC-16 FOR SPECS)

**ROADWAY LEGEND**

- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT

- NOTES:**
- 1) LIMIT OF RESURFACING ON THE SIDE-STREETS THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER / TECHNICIAN.
  - 2) ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKINGS (OF THE EXTRUDED TYPE).
  - 3) ALL FINAL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH TC-13 "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" STANDARD DETAIL.
  - 4) ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH TC-11 "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" STANDARD DETAIL.
  - 5) FOR PROPOSED CURB RAMP IMPROVEMENTS, SEE "ADA RAMP DETAILS".



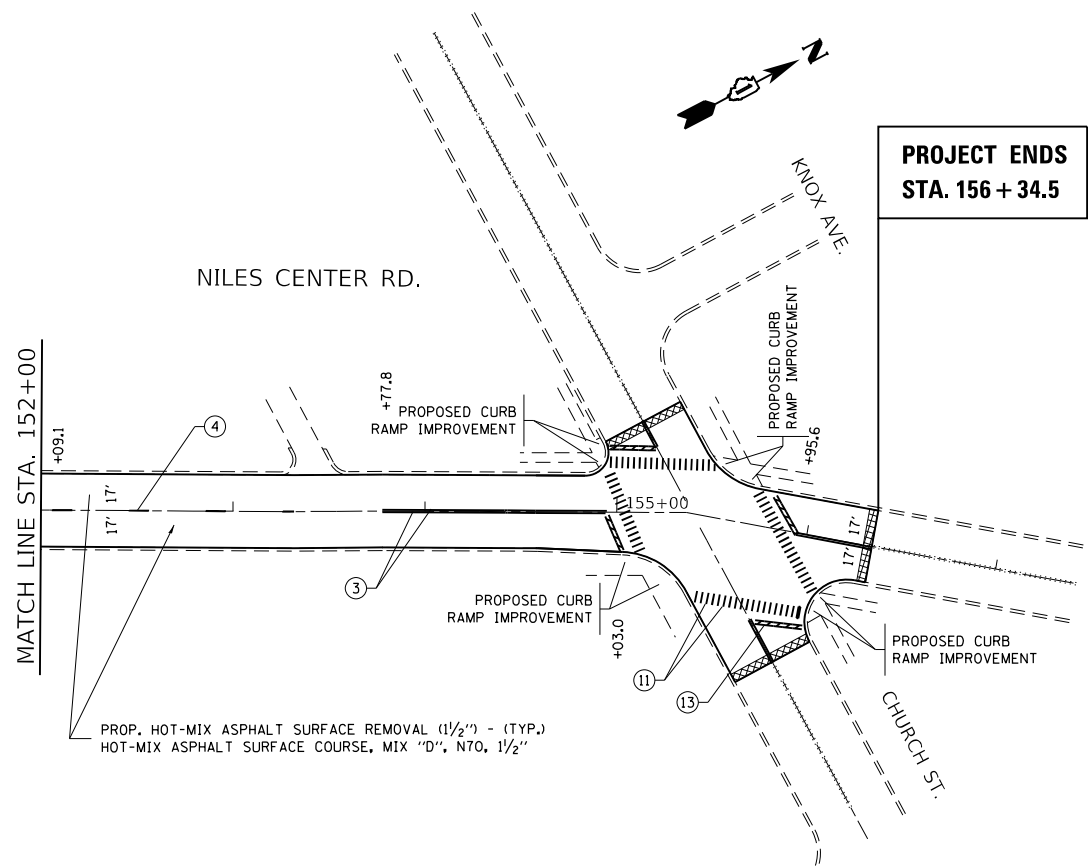
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PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 5/31/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>NILES CENTER ROAD - TOUHY AVENUE TO CHURCH STREET ROADWAY AND PAVEMENT MARKING PLAN</b>			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2798	2018-014-R5-SW	COOK	64	14
CONTRACT NO. 62G76				
ILLINOIS FED. AID PROJECT				



**PROPOSED PAVEMENT MARKINGS LEGEND**

- ① THERMOPLASTIC PVMT. MARKING LINE 4", SOLID, YELLOW - EDGE LINE (TYP.)
- ② THERMOPLASTIC PVMT. MARKING LINE 4", SKIP-DASH, WHITE, 10' LINE - 30' SPACE - LANE LINES (TYP.)
- ③ THERMOPLASTIC PVMT. MARKING LINE 4", 2 @ 4", SOLID, YELLOW, 11" C-C - CENTERLINE (TYP.)
- ④ THERMOPLASTIC PVMT. MARKING LINE 4", SKIP-DASH, YELLOW, 10' LINE - 30' SPACE - CENTERLINE (TYP.)
- ⑤ THERMOPLASTIC PVMT. MARKING LINE 6", SOLID, WHITE - TURN LANE MARKINGS (TYP.)
- ⑥ THERMOPLASTIC PVMT. MARKING LINE 6", SKIP-DASH, WHITE, 2' LINE - 6' SPACE - DOTTED LINES (TYP.)
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- ⑧ THERMOPLASTIC PVMT. MARKING LINE 8", SOLID, WHITE CHANNELIZING LANE MARKING (TYP.) (SEE DISTRICT DETAIL TC-13 FOR SPECS)
- ⑨ THERMOPLASTIC PVMT. MARKING LINE 12", SOLID, YELLOW - PAINTED MEDIAN DIAGONALS (TYP.) (SEE DISTRICT DETAIL TC-13 FOR SPACING)
- ⑩ THERMOPLASTIC PVMT. MARKING LINE 12", SOLID, WHITE - DIAGONALS (BIKE & EQUESTRIAN) (TYP.) (SEE DISTRICT DETAIL TC-13 FOR SPACING)
- ⑪ THERMOPLASTIC PVMT. MARKING LINE 12", SOLID, WHITE - CROSSWALK, LONGITUDINAL BARS (SCHOOL) (TYP.) (SEE DISTRICT DETAIL TC-13 FOR SPACING)
- ⑫ THERMOPLASTIC PVMT. MARKING LINE 12", SOLID, CHEVRON WHITE - DIAGONAL, GORE MARKING AND CHANNELIZING LINES, (TYP.) (SEE DISTRICT DETAIL TC-13 FOR SPACING)
- ⑬ THERMOPLASTIC PVMT. MARKING LINE 24", SOLID, WHITE - STOP LINES (TYP.)
- ⑭ THERMOPLASTIC PVMT. MARKING LETTERS & SYMBOLS, SOLID, WHITE - TURN LANE AND RAILROAD CROSSING MARKINGS (TYP.) (SEE DISTRICT DETAIL TC-16 FOR SPECS)

**ROADWAY LEGEND**

HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT

**NOTES:**

- 1) LIMIT OF RESURFACING ON THE SIDE- STREETS THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER / TECHNICIAN.
- 2) ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKINGS (OF THE EXTRUDED TYPE).
- 3) ALL FINAL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH TC-13 "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" STANDARD DETAIL.
- 4) ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH TC-11 "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" STANDARD DETAIL.
- 5) FOR PROPOSED CURB RAMP IMPROVEMENTS, SEE "ADA RAMP DETAILS".

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	DRAWN -	REVISED -
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PLOT DATE = 5/31/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

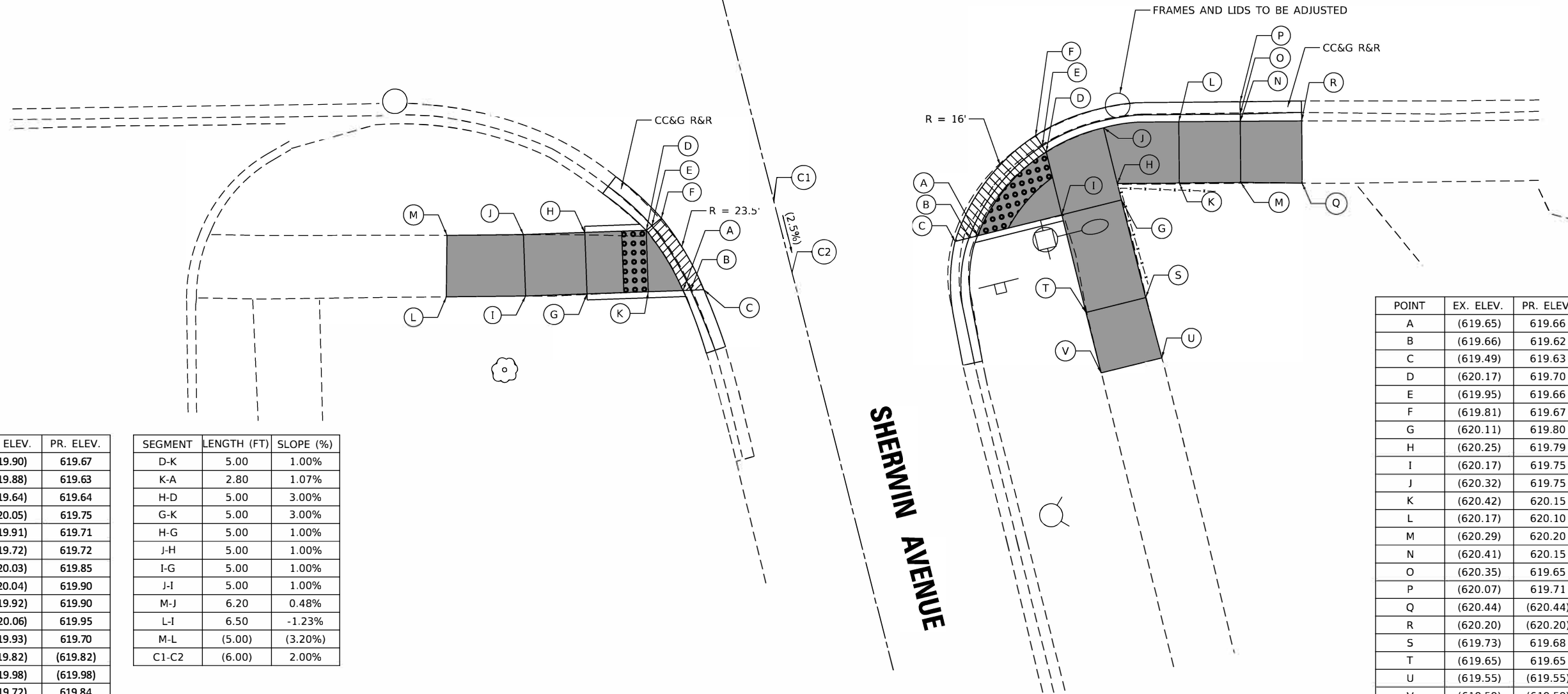
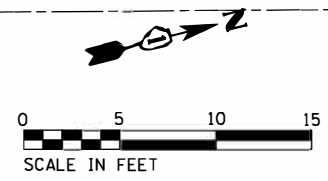
**NILES CENTER ROAD - TOUHY AVENUE TO CHURCH STREET  
ROADWAY AND PAVEMENT MARKING PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2798	2018-014-R5-SW	COOK	64	15
CONTRACT NO. 62G76				
ILLINOIS FED. AID PROJECT				

23+00

# NILES CENTER ROAD



POINT	EX. ELEV.	PR. ELEV.
A	(619.90)	619.67
B	(619.88)	619.63
C	(619.64)	619.64
D	(620.05)	619.75
E	(619.91)	619.71
F	(619.72)	619.72
G	(620.03)	619.85
H	(620.04)	619.90
I	(619.92)	619.90
J	(620.06)	619.95
K	(619.93)	619.70
L	(619.82)	(619.82)
M	(619.98)	(619.98)
CL1	(619.72)	619.84
CL2	(619.57)	(619.57)

SEGMENT	LENGTH (FT)	SLOPE (%)
D-K	5.00	1.00%
K-A	2.80	1.07%
H-D	5.00	3.00%
G-K	5.00	3.00%
H-G	5.00	1.00%
J-H	5.00	1.00%
I-G	5.00	1.00%
J-I	5.00	1.00%
M-J	6.20	0.48%
L-I	6.50	-1.23%
M-L	(5.00)	(3.20%)
C1-C2	(6.00)	2.00%

POINT	EX. ELEV.	PR. ELEV.
A	(619.65)	619.66
B	(619.66)	619.62
C	(619.49)	619.63
D	(620.17)	619.70
E	(619.95)	619.66
F	(619.81)	619.67
G	(620.11)	619.80
H	(620.25)	619.79
I	(620.17)	619.75
J	(620.32)	619.75
K	(620.42)	620.15
L	(620.17)	620.10
M	(620.29)	620.20
N	(620.41)	620.15
O	(620.35)	619.65
P	(620.07)	619.71
Q	(620.44)	(620.44)
R	(620.20)	(620.20)
S	(619.73)	619.68
T	(619.65)	619.65
U	(619.55)	(619.55)
V	(619.59)	(619.59)

SEGMENT	LENGTH (FT)	SLOPE (%)
I-A	7.10	1.27%
I-D	5.20	0.96%
J-D	5.00	1.00%
G-J	6.00	0.83%
G-I	5.00	1.00%
G-H	1.40	0.83%
L-J	5.00	7.00%
K-H	5.00	7.28%
N-L	5.00	1.00%
K-L	5.00	1.00%
M-K	5.00	1.00%
M-N	5.00	1.00%
R-N	5.00	1.00%
Q-M	5.00	4.80%
Q-R	5.10	4.71%
G-S	8.20	1.46%
I-T	8.20	1.22%
S-T	(5.00)	(0.60%)
S-U	5.00	2.60%
T-V	5.00	1.20%
U-V	(5.20)	-(0.77%)

NOTE: REFER TO ROADWAY AND PAVEMENT MARKING PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK: #1196 (ELEV. 622.29 FT)  
 BENCHMARK: TOP SPINDAL OF FIRE HYDRANT  
 LOCATION: NORTHEAST CORNER OF NILES CENTER RD & SHERWIN AVE.

### LEGEND

- (XX.XX) EXISTING LENGTH/ELEVATION
- ===== PROPOSED SIDE CURB
- (%) EXISTING SLOPE
- |XX.XX|--- REFERENCE POINT LENGTH
- [Solid Grey Box] PROPOSED SIDEWALK
- [Dotted Box] DETECTABLE WARNINGS
- [Cross-hatched Box] SIDEWALK REMOVAL  
REPLACE WITH TOPSOIL AND SOD
- [Diagonal-hatched Box] DEPRESSED CURB AND GUTTER

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

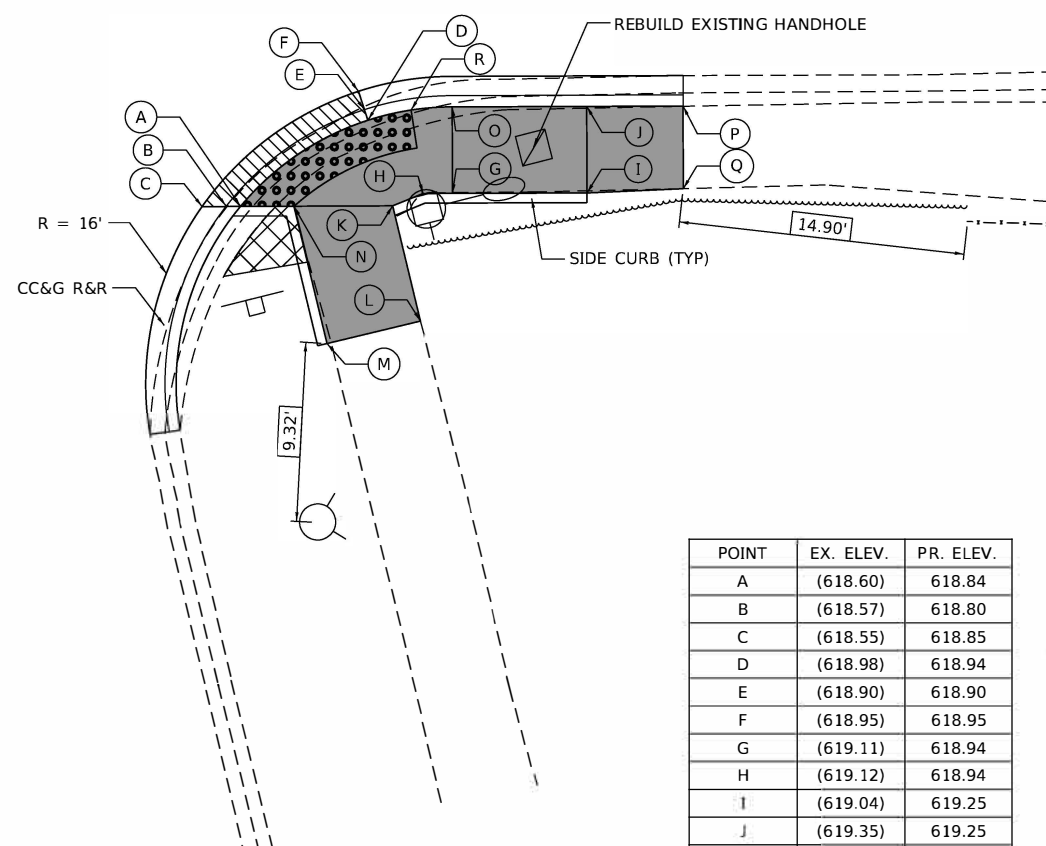
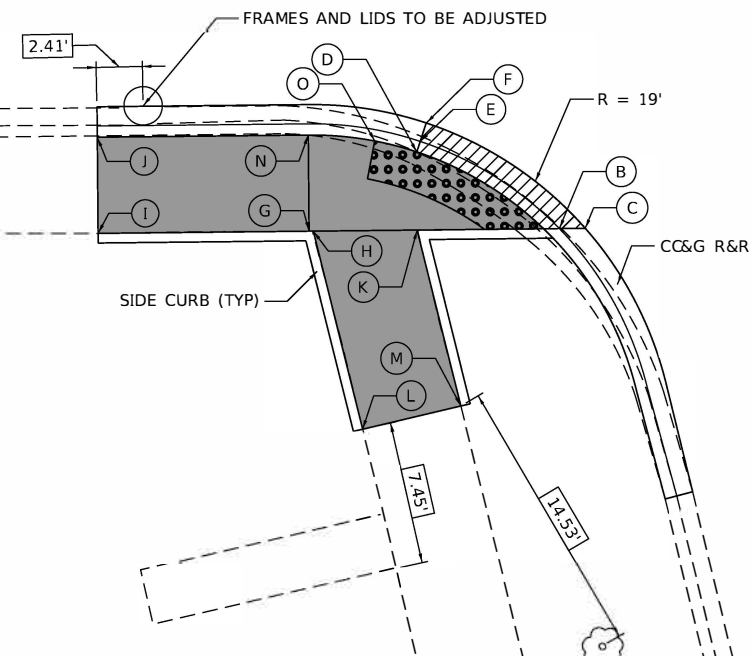
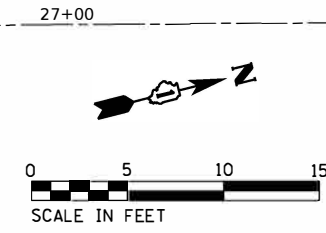
ADA RAMP DETAILS  
NILES CENTER ROAD AND SHERWIN AVENUE

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2798	2018-014-R5-SW	COOK	64	16
CONTRACT NO. 62G76				
ILLINOIS FED. AID PROJECT				

# NILES CENTER ROAD

# JARVIS AVENUE



POINT	EX. ELEV.	PR. ELEV.
A	(618.90)	618.89
B	(618.82)	618.85
C	(618.79)	618.90
D	(619.15)	619.04
E	(619.08)	619.00
F	(619.08)	619.05
G	(619.35)	619.05
H	(619.35)	619.12
I	(619.50)	(619.50)
J	(619.58)	(619.58)
K	(619.17)	618.98
L	(619.06)	(619.06)
M	(619.01)	(619.01)
N	(619.42)	619.12
O	(619.17)	619.07
CL1	(618.82)	618.76
CL2	(618.64)	(618.64)

SEGMENT	LENGTH (FT)	SLOPE (%)
A-D	7.79	-1.93%
N-O	3.49	1.47%
O-D	2.26	1.47%
G-N	5.00	-1.50%
G-H	0.22	1.31%
H-K	5.62	1.31%
K-A	6.59	1.31%
M-K	9.40	0.37%
L-M	5.25	(0.96%)
L-H	10.62	-0.58%
I-G	10.99	3.43%
J-N	10.99	4.15%
I-J	5.00	-(1.60%)
CL1-CL2	6.20	2.00%

POINT	EX. ELEV.	PR. ELEV.
A	(618.60)	618.84
B	(618.57)	618.80
C	(618.55)	618.85
D	(618.98)	618.94
E	(618.90)	618.90
F	(618.95)	618.95
G	(619.11)	618.94
H	(619.12)	618.94
I	(619.04)	619.25
J	(619.35)	619.25
K	(619.04)	618.96
L	(618.81)	(618.81)
M	(618.73)	(618.73)
N	(618.83)	618.88
O	(619.10)	619.00
P	(619.38)	(619.38)
Q	(619.43)	(619.43)
R	(619.00)	618.97

SEGMENT	LENGTH (FT)	SLOPE (%)
A-D	8.10	-1.23%
N-A	2.78	1.50%
K-N	5.14	1.50%
H-K	1.71	-1.46%
G-H	1.53	0.00%
G-O	4.50	-1.50%
O-R	2.15	1.40%
R-D	2.32	1.43%
L-K	6.15	-2.44%
L-M	5.00	(1.60%)
M-N	7.33	-2.07%
I-G	7.00	3.51%
J-O	7.00	3.50%
I-J	4.50	0.00%
Q-I	5.02	3.63%
P-J	5.02	2.63%
Q-P	5.00	(1.00%)

NOTE: REFER TO ROADWAY AND PAVEMENT MARKING PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK: #1395 (ELEV. 620.62 FT)  
 BENCHMARK: NORTHEAST BOLT ON FIRE HYDRANT  
 LOCATION: NORTHEAST CORNER OF NILES CENTER RD & JARVIS AVE.

### LEGEND

- (XX.XX) EXISTING LENGTH/ELEVATION
- ===== PROPOSED SIDE CURB
- (%) EXISTING SLOPE
- ┌──XX.XX──┐ REFERENCE POINT LENGTH
- [Solid Grey Box] PROPOSED SIDEWALK
- [Dotted Box] DETECTABLE WARNINGS
- [Cross-hatched Box] SIDEWALK REMOVAL  
REPLACE WITH TOPSOIL AND SOD
- [Diagonal-hatched Box] DEPRESSED CURB AND GUTTER

REFERENCE BENCHMARK:  
 BENCHMARK:  
 LOCATION:



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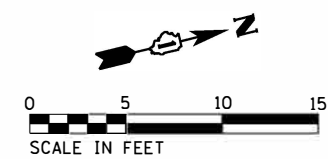
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS  
 NILES CENTER ROAD AND JARVIS AVENUE

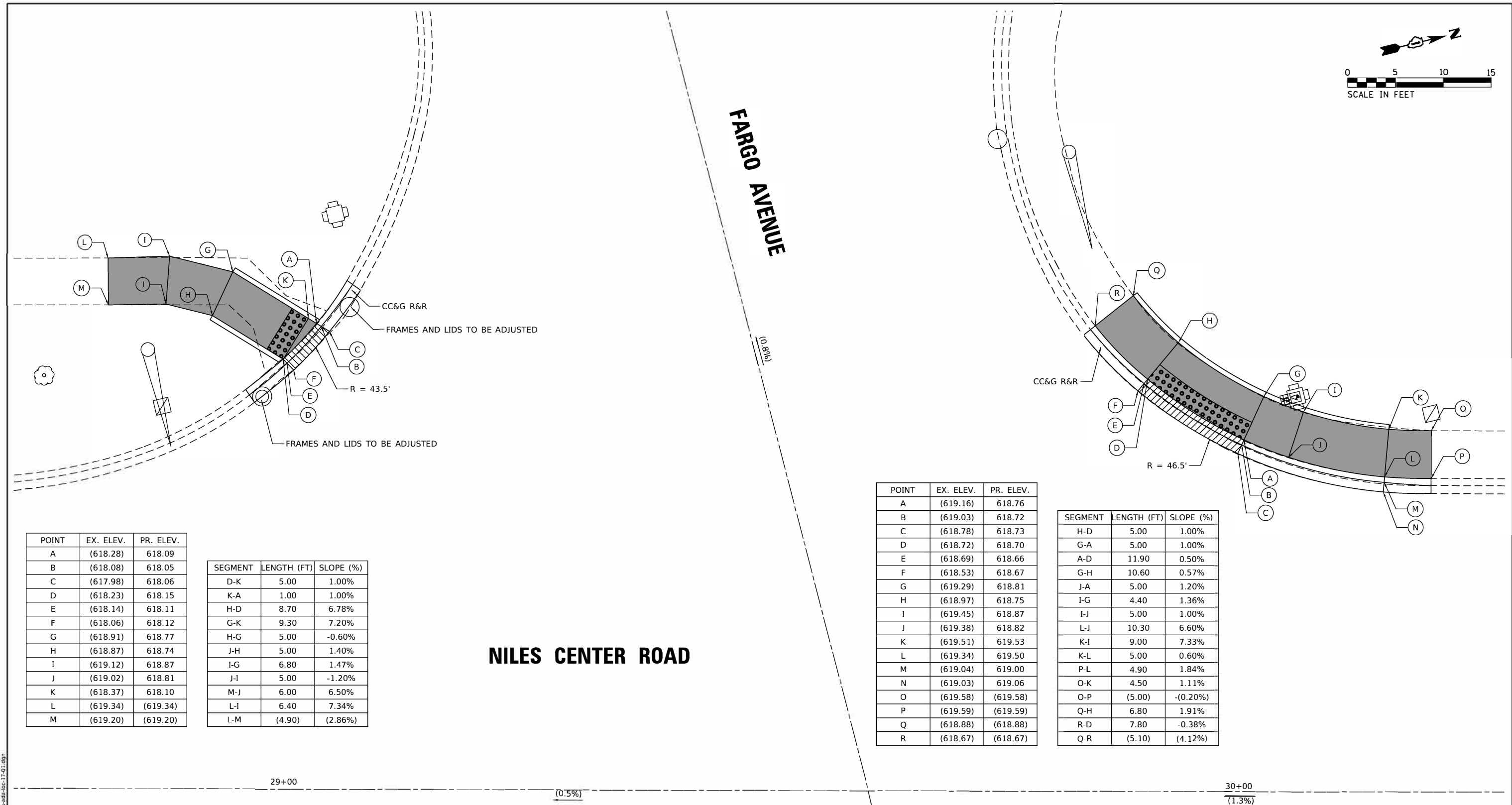
SCALE: 1"=5' SHEET 1 OF 1 SHEETS STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2798	2018-014-R5-SW	COOK	64	17
CONTRACT NO. 62G76				
ILLINOIS FED. AID PROJECT				

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**FARGO AVENUE**



POINT	EX. ELEV.	PR. ELEV.
A	(618.28)	618.09
B	(618.08)	618.05
C	(617.98)	618.06
D	(618.23)	618.15
E	(618.14)	618.11
F	(618.06)	618.12
G	(618.91)	618.77
H	(618.87)	618.74
I	(619.12)	618.87
J	(619.02)	618.81
K	(618.37)	618.10
L	(619.34)	(619.34)
M	(619.20)	(619.20)

SEGMENT	LENGTH (FT)	SLOPE (%)
D-K	5.00	1.00%
K-A	1.00	1.00%
H-D	8.70	6.78%
G-K	9.30	7.20%
H-G	5.00	-0.60%
J-H	5.00	1.40%
I-G	6.80	1.47%
J-I	5.00	-1.20%
M-J	6.00	6.50%
L-I	6.40	7.34%
L-M	(4.90)	(2.86%)

**NILES CENTER ROAD**

POINT	EX. ELEV.	PR. ELEV.
A	(619.16)	618.76
B	(619.03)	618.72
C	(618.78)	618.73
D	(618.72)	618.70
E	(618.69)	618.66
F	(618.53)	618.67
G	(619.29)	618.81
H	(618.97)	618.75
I	(619.45)	618.87
J	(619.38)	618.82
K	(619.51)	619.53
L	(619.34)	619.50
M	(619.04)	619.00
N	(619.03)	619.06
O	(619.58)	(619.58)
P	(619.59)	(619.59)
Q	(618.88)	(618.88)
R	(618.67)	(618.67)

SEGMENT	LENGTH (FT)	SLOPE (%)
H-D	5.00	1.00%
G-A	5.00	1.00%
A-D	11.90	0.50%
G-H	10.60	0.57%
J-A	5.00	1.20%
I-G	4.40	1.36%
I-J	5.00	1.00%
L-J	10.30	6.60%
K-I	9.00	7.33%
K-L	5.00	0.60%
P-L	4.90	1.84%
O-K	4.50	1.11%
O-P	(5.00)	(-0.20%)
Q-H	6.80	1.91%
R-D	7.80	-0.38%
Q-R	(5.10)	(4.12%)

NOTE: REFER TO ROADWAY AND PAVEMENT MARKING PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK: #1888 (ELEV. 619.06 FT)  
 BENCHMARK: SURVEY MONUMENT  
 LOCATION: NORTHWEST CORNER OF NILES CENTER RD & FARGO AVE.

**LEGEND**

- (XX.XX) EXISTING LENGTH/ELEVATION
- ===== PROPOSED SIDE CURB
- (%) EXISTING SLOPE
- ┌──XX.XX──┐ REFERENCE POINT LENGTH
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL  
REPLACE WITH TOPSOIL AND SOD
- DEPRESSED CURB AND GUTTER



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PLOT DATE = 03/18/2019	CHECKED - RO/LLS	REVISED -
	DATE - 03/12/2019	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS  
NILES CENTER ROAD AND FARGO AVENUE

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

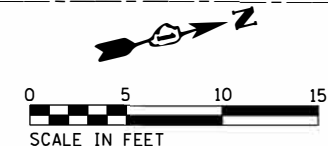
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CONTRACT NO. 62G76				
ILLINOIS FED. AID PROJECT				

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(0.5%)

30+00  
(1.3%)

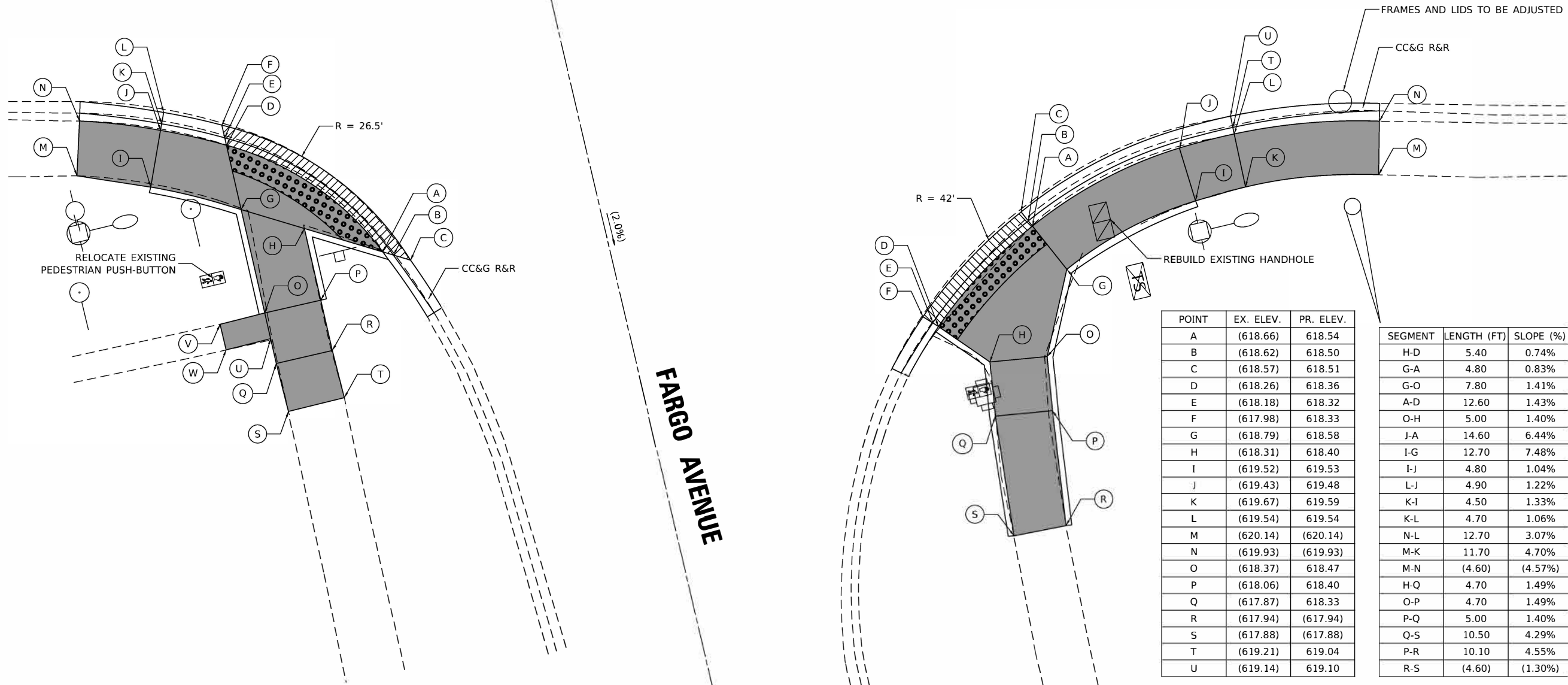


POINT	EX. ELEV.	PR. ELEV.
A	(618.27)	617.91
B	(618.22)	617.87
C	(618.04)	617.88
D	(618.47)	618.06
E	(618.31)	618.02
F	(618.02)	618.03
G	(618.48)	618.09
H	(618.34)	618.01
I	(618.61)	618.48
J	(618.53)	618.43
K	(618.28)	617.93
L	(618.04)	617.99
M	(618.54)	(618.54)
N	(618.43)	(618.43)
O	(618.68)	618.54
P	(618.55)	618.49
Q	(618.63)	618.58
R	(618.49)	618.52
S	(618.57)	(618.57)
T	(618.46)	(618.46)
U	(618.66)	618.56
V	(618.72)	(618.72)
W	(618.61)	(618.61)

SEGMENT	LENGTH (FT)	SLOPE (%)
G-D	5.70	0.53%
G-A	12.80	1.41%
G-H	5.70	1.41%
I-G	8.10	4.81%
J-D	5.90	6.27%
I-J	5.00	1.00%
M-I	6.50	0.92%
N-J	7.10	0.00%
M-N	(4.80)	(2.29%)
P-H	6.40	7.50%
O-G	9.20	4.89%
O-P	5.00	1.00%
R-P	4.50	0.67%
Q-O	4.50	0.89%
Q-R	5.00	1.20%
T-R	4.20	-1.43%
S-Q	4.20	-0.24%
S-T	(5.00)	(2.20%)
U-O	2.30	0.89%
V-O	4.00	4.50%
W-U	4.00	2.00%

# NILES CENTER ROAD

# FARGO AVENUE



NOTE: REFER TO ROADWAY AND PAVEMENT MARKING PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK: #1888 (ELEV. 619.063 FT)  
 BENCHMARK: SURVEY MONUMENT  
 LOCATION: NORTHWEST CORNER OF NILES CENTER RD & FARGO AVE.

### LEGEND

- (XX.XX) EXISTING LENGTH/ELEVATION
- ===== PROPOSED SIDE CURB
- (%) EXISTING SLOPE
- ┌───┴───┘ REFERENCE POINT LENGTH
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- ▨ SIDEWALK REMOVAL  
REPLACE WITH TOPSOIL AND SOD
- ▩ DEPRESSED CURB AND GUTTER

POINT	EX. ELEV.	PR. ELEV.
A	(618.66)	618.54
B	(618.62)	618.50
C	(618.57)	618.51
D	(618.26)	618.36
E	(618.18)	618.32
F	(617.98)	618.33
G	(618.79)	618.58
H	(618.31)	618.40
I	(619.52)	619.53
J	(619.43)	619.48
K	(619.67)	619.59
L	(619.54)	619.54
M	(620.14)	(620.14)
N	(619.93)	(619.93)
O	(618.37)	618.47
P	(618.06)	618.40
Q	(617.87)	618.33
R	(617.94)	(617.94)
S	(617.88)	(617.88)
T	(619.21)	619.04
U	(619.14)	619.10

SEGMENT	LENGTH (FT)	SLOPE (%)
H-D	5.40	0.74%
G-A	4.80	0.83%
G-O	7.80	1.41%
A-D	12.60	1.43%
O-H	5.00	1.40%
J-A	14.60	6.44%
I-G	12.70	7.48%
I-J	4.80	1.04%
L-J	4.90	1.22%
K-I	4.50	1.33%
K-L	4.70	1.06%
N-L	12.70	3.07%
M-K	11.70	4.70%
M-N	(4.60)	(4.57%)
H-Q	4.70	1.49%
O-P	4.70	1.49%
P-Q	5.00	1.40%
Q-S	10.50	4.29%
P-R	10.10	4.55%
R-S	(4.60)	(1.30%)

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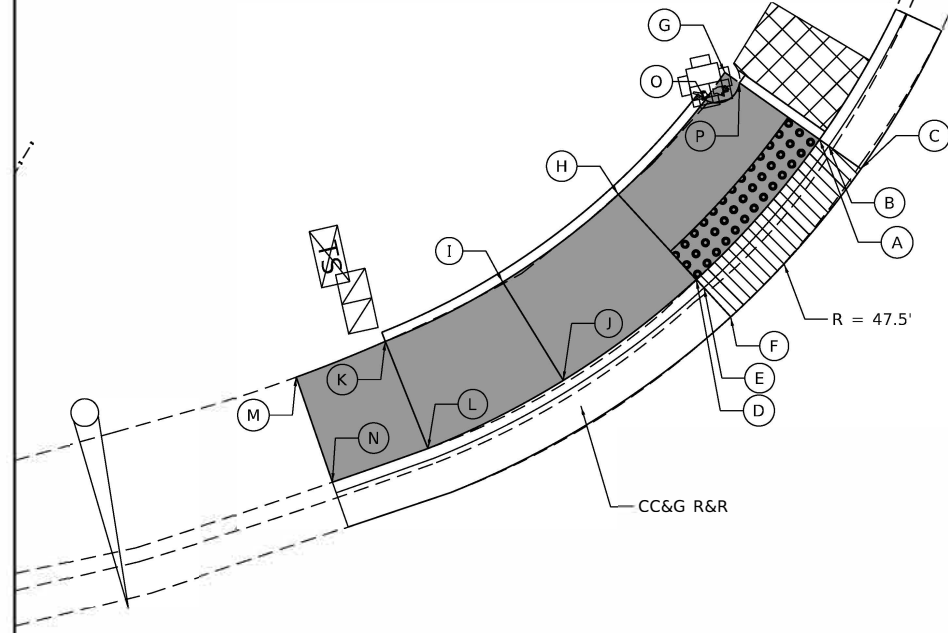
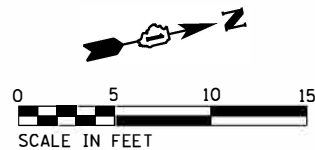
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	DATE - 03/12/2019	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS  
NILES CENTER ROAD AND FARGO AVENUE

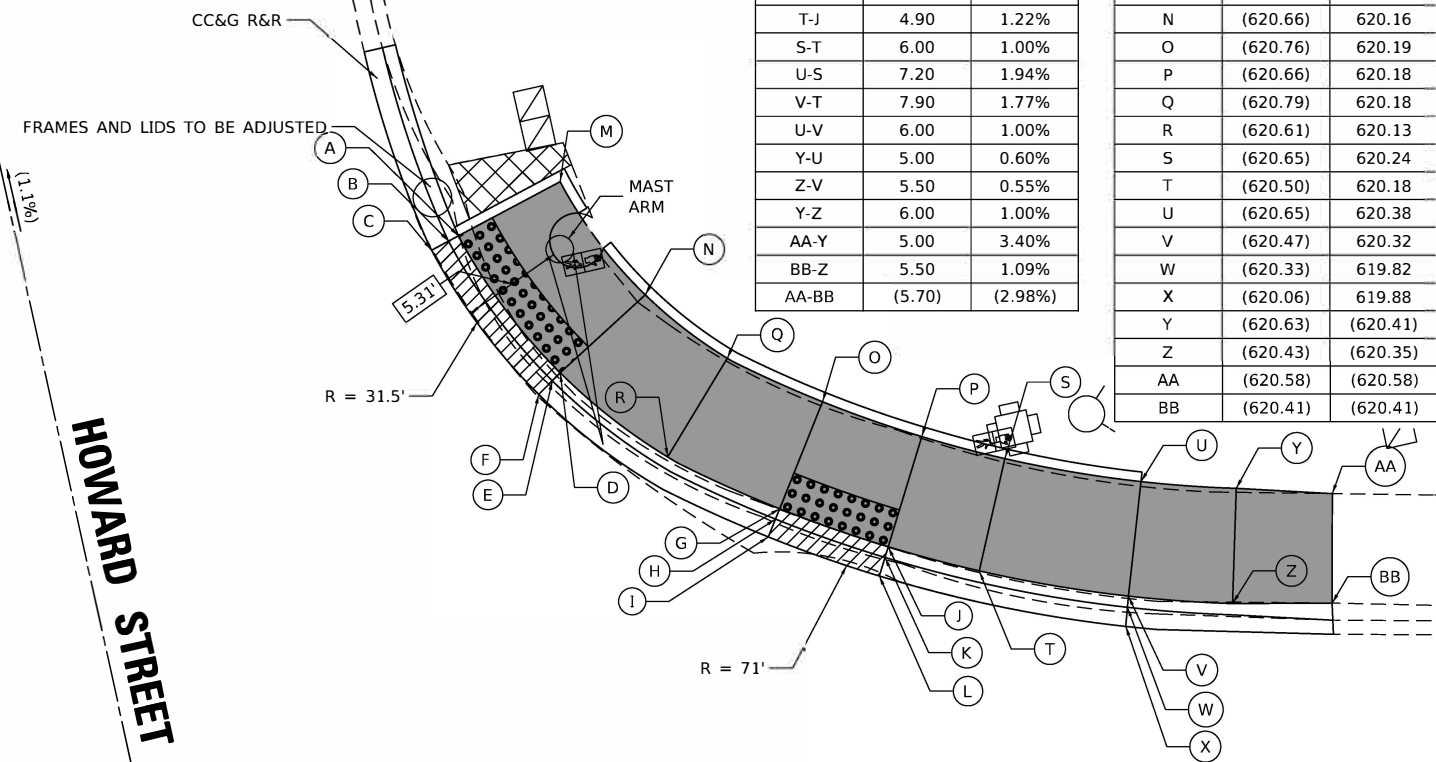
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2798	2018-014-R5-SW	COOK	64	19
CONTRACT NO. 62G76				
ILLINOIS FED. AID PROJECT				



POINT	EX. ELEV.	PR. ELEV.
A	(621.38)	621.19
B	(621.23)	621.15
C	(621.25)	621.25
D	(621.67)	621.35
E	(621.64)	621.31
F	(621.57)	621.41
G*	(621.66)	621.28
H	(621.66)	621.44
I	(622.37)	622.01
J	(622.16)	621.92
K	(622.63)	622.52
L	(622.39)	622.43
M	(622.82)	(622.82)
N	(622.67)	(622.67)
O	(621.74)	621.31
P	(621.66)	621.27

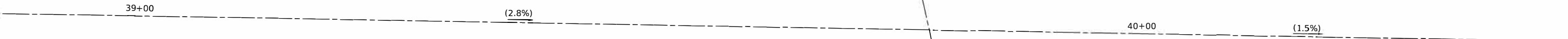
SEGMENT	LENGTH (FT)	SLOPE (%)
D-A	9.73	1.65%
G-A	6.00	1.50%
H-D	6.00	1.50%
H-G	8.45	1.90%
I-H	7.56	7.50%
K-I	6.85	7.50%
M-K	5.00	5.99%
I-J	6.00	1.50%
K-L	6.00	1.50%
N-L	5.00	4.78%
J-D	8.70	6.52%
L-J	7.88	6.53%
M-N	6.00	(2.51%)
P-A	5.10	1.50%
O-H	6.70	1.90%



SEGMENT	LENGTH (FT)	SLOPE (%)
M-A	6.00	1.00%
N-D	6.00	1.50%
D-A	8.90	0.56%
N-M	7.40	0.41%
Q-N	5.40	0.37%
R-D	7.10	0.14%
Q-R	6.40	0.78%
O-G	6.00	1.00%
P-J	6.00	1.00%
O-P	5.50	0.18%
Q-O	5.50	-0.18%
R-G	6.50	0.00%
S-P	4.50	1.33%
T-J	4.90	1.22%
S-T	6.00	1.00%
U-S	7.20	1.94%
V-T	7.90	1.77%
U-V	6.00	1.00%
Y-U	5.00	0.60%
Z-V	5.50	0.55%
Y-Z	6.00	1.00%
AA-Y	5.00	3.40%
BB-Z	5.50	1.09%
AA-BB	(5.70)	(2.98%)

POINT	EX. ELEV.	PR. ELEV.
A	(620.04)	620.07
B	(620.05)	620.03
C	(620.06)	620.04
D	(620.26)	620.12
E	(620.18)	620.08
F	(620.13)	620.09
G	(620.26)	620.13
H	(620.15)	620.09
I	(620.21)	620.10
J	(620.20)	620.12
K	(620.19)	620.08
L	(620.22)	620.09
M	(620.53)	620.13
N	(620.66)	620.16
O	(620.76)	620.19
P	(620.66)	620.18
Q	(620.79)	620.18
R	(620.61)	620.13
S	(620.65)	620.24
T	(620.50)	620.18
U	(620.65)	620.38
V	(620.47)	620.32
W	(620.33)	619.82
X	(620.06)	619.88
Y	(620.63)	(620.41)
Z	(620.43)	(620.35)
AA	(620.58)	(620.58)
BB	(620.41)	(620.41)

MODEL: Default  
FILE NAME: J:\11303B\_W01304\_CADD\CADD\_Sheets\01507676-01-Details-04-16-01.dgn



NOTE: REFER TO ROADWAY AND PAVEMENT MARKING PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK: #2176 (ELEV. 623.17 FT) & #2397 (623.09 FT)  
 BENCHMARK: SQUARE ON SOUTHEAST CORNER OF TRAFFIC CONTROL BOX  
 LOCATION: SOUTHWEST CORNER OF NILES CENTER RD & HOWARD ST.

**LEGEND**

(XX.XX) EXISTING LENGTH/ELEVATION  
 (XX.XX) REFERENCE POINT LENGTH

PROPOSED SIDE CURB  
 EXISTING SLOPE  
 DEPRESSED CURB AND GUTTER

PROPOSED SIDEWALK  
 DETECTABLE WARNINGS  
 SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD  
 DEPRESSED CURB AND GUTTER



USER NAME = lsupencheck	DESIGNED - LLS/EEC	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - LLS/EEC	REVISED -
PLOT DATE = 03/18/2019	CHECKED - RO/LLS	REVISED +
	DATE - 03/12/2019	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS  
 NILES CENTER ROAD AND HOWARD STREET

F.A.U. RTE. 2798	SECTION 2018-014-R5-SW	COUNTY COOK	TOTAL SHEETS 64	SHEET NO. 20
CONTRACT NO. 62G76				
ILLINOIS FED. AID PROJECT				

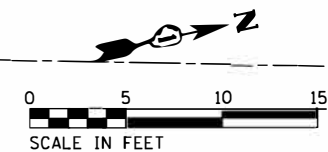
SCALE: 1"=5' SHEET 1 OF 1 SHEETS STA. N/A TO STA. N/A



(2.8%)

40+00

(1.5%)



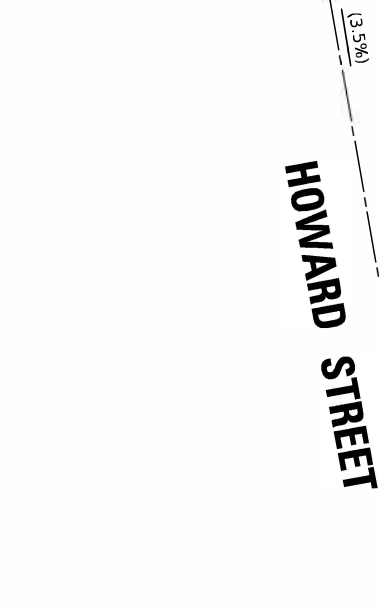
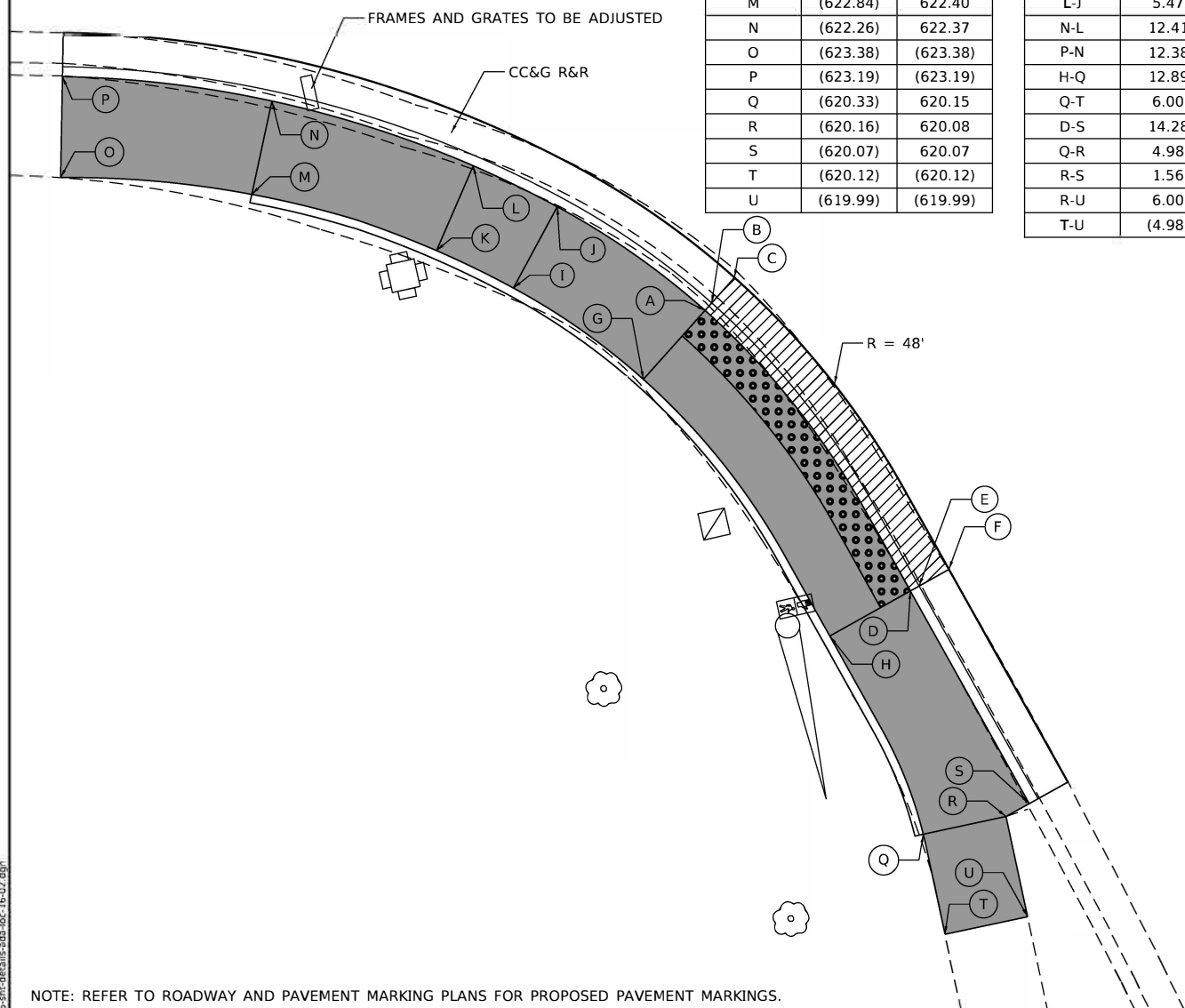
POINT	EX. ELEV.	PR. ELEV.
A	(621.13)	620.64
B	(621.05)	620.60
C	(621.08)	620.70
D	(620.33)	620.26
E	(620.26)	620.22
F	(620.32)	620.32
G	(621.59)	620.67
H	(620.68)	620.34
I	(622.09)	621.42
J	(621.93)	621.39
K	(622.33)	621.49
L	(621.96)	621.46
M	(622.84)	622.40
N	(622.26)	622.37
O	(623.38)	(623.38)
P	(623.19)	(623.19)
Q	(620.33)	620.15
R	(620.16)	620.08
S	(620.07)	620.07
T	(620.12)	(620.12)
U	(619.99)	(619.99)

SEGMENT	LENGTH (FT)	SLOPE (%)
A-D	20.49	1.86%
G-A	5.42	0.50%
G-H	18.69	1.75%
I-G	9.34	8.00%
I-J	5.42	0.50%
K-I	5.00	1.50%
K-L	5.42	0.50%
M-K	11.34	8.00%
M-N	5.42	0.50%
O-M	11.26	8.72%
O-P	(5.91)	(3.22%)
J-A	10.60	7.07%
L-J	5.47	1.38%
N-L	12.41	7.32%
P-N	12.38	6.61%
H-Q	12.89	1.50%
Q-T	6.00	0.49%
D-S	14.28	1.35%
Q-R	4.98	1.50%
R-S	1.56	0.50%
R-U	6.00	1.42%
T-U	(4.98)	(2.62%)

POINT	EX. ELEV.	PR. ELEV.
A	(619.16)	619.05
B	(619.07)	619.01
C	(619.24)	619.02
D	(618.83)	618.85
E	(618.77)	618.81
F	(618.84)	618.82
G	(619.53)	619.11
H	(619.21)	618.92
I	(619.88)	619.80
J	(619.64)	619.75
K	(620.00)	619.86
L	(619.70)	619.81
M	(620.09)	(620.09)
N	(619.78)	(619.78)
O	(619.41)	619.04
P	(619.44)	619.00
Q	(619.23)	619.05
R	(619.13)	619.00
S	(619.10)	(619.10)
T	(619.00)	(619.00)
U	(619.36)	619.31
V	(619.46)	619.37

SEGMENT	LENGTH (FT)	SLOPE (%)
H-D	4.70	1.49%
A-D	13.50	-1.48%
G-A	6.00	1.00%
G-O	5.10	1.37%
O-P	4.10	0.98%
P-H	5.20	1.54%
J-A	10.70	6.54%
I-G	9.20	7.50%
I-J	6.00	0.83%
L-J	6.40	0.94%
K-I	5.50	1.09%
K-L	6.00	0.83%
N-L	8.30	-0.36%
M-K	7.60	3.03%
M-N	(5.90)	(-5.25%)
R-H	6.30	1.27%
Q-P	6.30	0.16%
P-Q	5.20	0.96%
T-R	5.10	0.00%
S-Q	5.10	0.98%
R-S	(5.20)	(1.92%)

# NILES CENTER ROAD



NOTE: REFER TO ROADWAY AND PAVEMENT MARKING PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK: #2176 (ELEV. 623.17 FT) & #2397 (623.09 FT)  
 BENCHMARK: SQUARE ON SOUTHEAST CORNER OF TRAFFIC CONTROL BOX  
 LOCATION: SOUTHWEST CORNER OF NILES CENTER RD & HOWARD ST.

### LEGEND

- (XX.XX) EXISTING LENGTH/ELEVATION
- ===== PROPOSED SIDE CURB
- (%) EXISTING SLOPE
- └─┬─┘ REFERENCE POINT LENGTH

- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL  
REPLACE WITH TOPSOIL AND SOD
- DEPRESSED CURB AND GUTTER

MODEL: Default  
FILE NAME: J:\11303B\_W013104\_CADD\CADD\_Sheets\016276-017-018-019-020-021-022-023-024-025-026-027-028-029-030-031-032-033-034-035-036-037-038-039-040-041-042-043-044-045-046-047-048-049-050-051-052-053-054-055-056-057-058-059-060-061-062-063-064-065-066-067-068-069-070-071-072-073-074-075-076-077-078-079-080-081-082-083-084-085-086-087-088-089-090-091-092-093-094-095-096-097-098-099-100-101-102-103-104-105-106-107-108-109-110-111-112-113-114-115-116-117-118-119-120-121-122-123-124-125-126-127-128-129-130-131-132-133-134-135-136-137-138-139-140-141-142-143-144-145-146-147-148-149-150-151-152-153-154-155-156-157-158-159-160-161-162-163-164-165-166-167-168-169-170-171-172-173-174-175-176-177-178-179-180-181-182-183-184-185-186-187-188-189-190-191-192-193-194-195-196-197-198-199-200-201-202-203-204-205-206-207-208-209-210-211-212-213-214-215-216-217-218-219-220-221-222-223-224-225-226-227-228-229-230-231-232-233-234-235-236-237-238-239-240-241-242-243-244-245-246-247-248-249-250-251-252-253-254-255-256-257-258-259-260-261-262-263-264-265-266-267-268-269-270-271-272-273-274-275-276-277-278-279-280-281-282-283-284-285-286-287-288-289-290-291-292-293-294-295-296-297-298-299-300-301-302-303-304-305-306-307-308-309-310-311-312-313-314-315-316-317-318-319-320-321-322-323-324-325-326-327-328-329-330-331-332-333-334-335-336-337-338-339-340-341-342-343-344-345-346-347-348-349-350-351-352-353-354-355-356-357-358-359-360-361-362-363-364-365-366-367-368-369-370-371-372-373-374-375-376-377-378-379-380-381-382-383-384-385-386-387-388-389-390-391-392-393-394-395-396-397-398-399-400-401-402-403-404-405-406-407-408-409-410-411-412-413-414-415-416-417-418-419-420-421-422-423-424-425-426-427-428-429-430-431-432-433-434-435-436-437-438-439-440-441-442-443-444-445-446-447-448-449-450-451-452-453-454-455-456-457-458-459-460-461-462-463-464-465-466-467-468-469-470-471-472-473-474-475-476-477-478-479-480-481-482-483-484-485-486-487-488-489-490-491-492-493-494-495-496-497-498-499-500-501-502-503-504-505-506-507-508-509-510-511-512-513-514-515-516-517-518-519-520-521-522-523-524-525-526-527-528-529-530-531-532-533-534-535-536-537-538-539-540-541-542-543-544-545-546-547-548-549-550-551-552-553-554-555-556-557-558-559-560-561-562-563-564-565-566-567-568-569-570-571-572-573-574-575-576-577-578-579-580-581-582-583-584-585-586-587-588-589-590-591-592-593-594-595-596-597-598-599-600-601-602-603-604-605-606-607-608-609-610-611-612-613-614-615-616-617-618-619-620-621-622-623-624-625-626-627-628-629-630-631-632-633-634-635-636-637-638-639-640-641-642-643-644-645-646-647-648-649-650-651-652-653-654-655-656-657-658-659-660-661-662-663-664-665-666-667-668-669-670-671-672-673-674-675-676-677-678-679-680-681-682-683-684-685-686-687-688-689-690-691-692-693-694-695-696-697-698-699-700-701-702-703-704-705-706-707-708-709-710-711-712-713-714-715-716-717-718-719-720-721-722-723-724-725-726-727-728-729-730-731-732-733-734-735-736-737-738-739-740-741-742-743-744-745-746-747-748-749-750-751-752-753-754-755-756-757-758-759-760-761-762-763-764-765-766-767-768-769-770-771-772-773-774-775-776-777-778-779-780-781-782-783-784-785-786-787-788-789-790-791-792-793-794-795-796-797-798-799-800-801-802-803-804-805-806-807-808-809-810-811-812-813-814-815-816-817-818-819-820-821-822-823-824-825-826-827-828-829-830-831-832-833-834-835-836-837-838-839-840-841-842-843-844-845-846-847-848-849-850-851-852-853-854-855-856-857-858-859-860-861-862-863-864-865-866-867-868-869-870-871-872-873-874-875-876-877-878-879-880-881-882-883-884-885-886-887-888-889-890-891-892-893-894-895-896-897-898-899-900-901-902-903-904-905-906-907-908-909-910-911-912-913-914-915-916-917-918-919-920-921-922-923-924-925-926-927-928-929-930-931-932-933-934-935-936-937-938-939-940-941-942-943-944-945-946-947-948-949-950-951-952-953-954-955-956-957-958-959-960-961-962-963-964-965-966-967-968-969-970-971-972-973-974-975-976-977-978-979-980-981-982-983-984-985-986-987-988-989-990-991-992-993-994-995-996-997-998-999-1000



USER NAME = isupencheck	DESIGNED - LLS/EEC	REVISED -
	DRAWN - LLS/EEC	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - RO/LLS	REVISED -
PLOT DATE = 03/18/2019	DATE - 03/12/2019	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

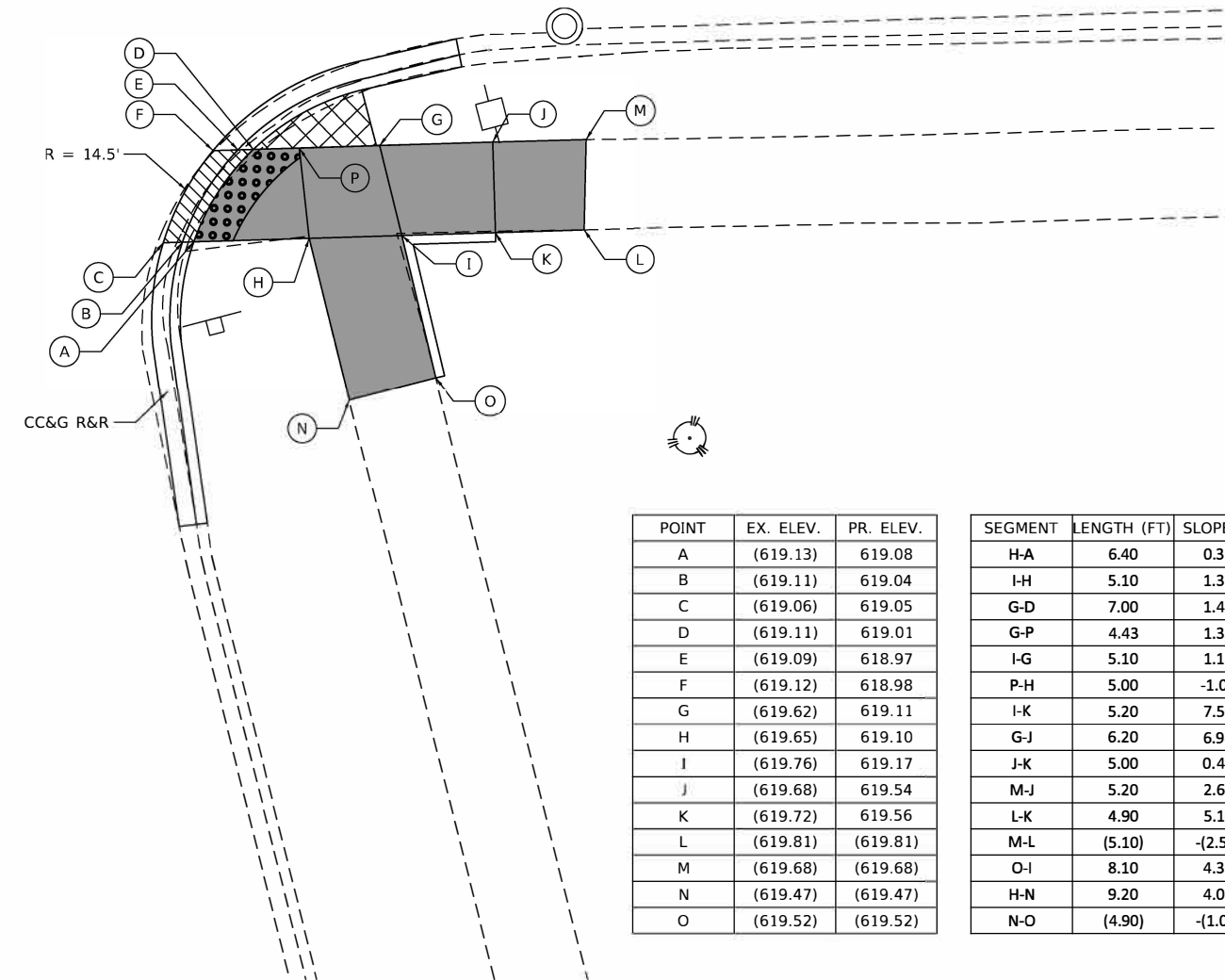
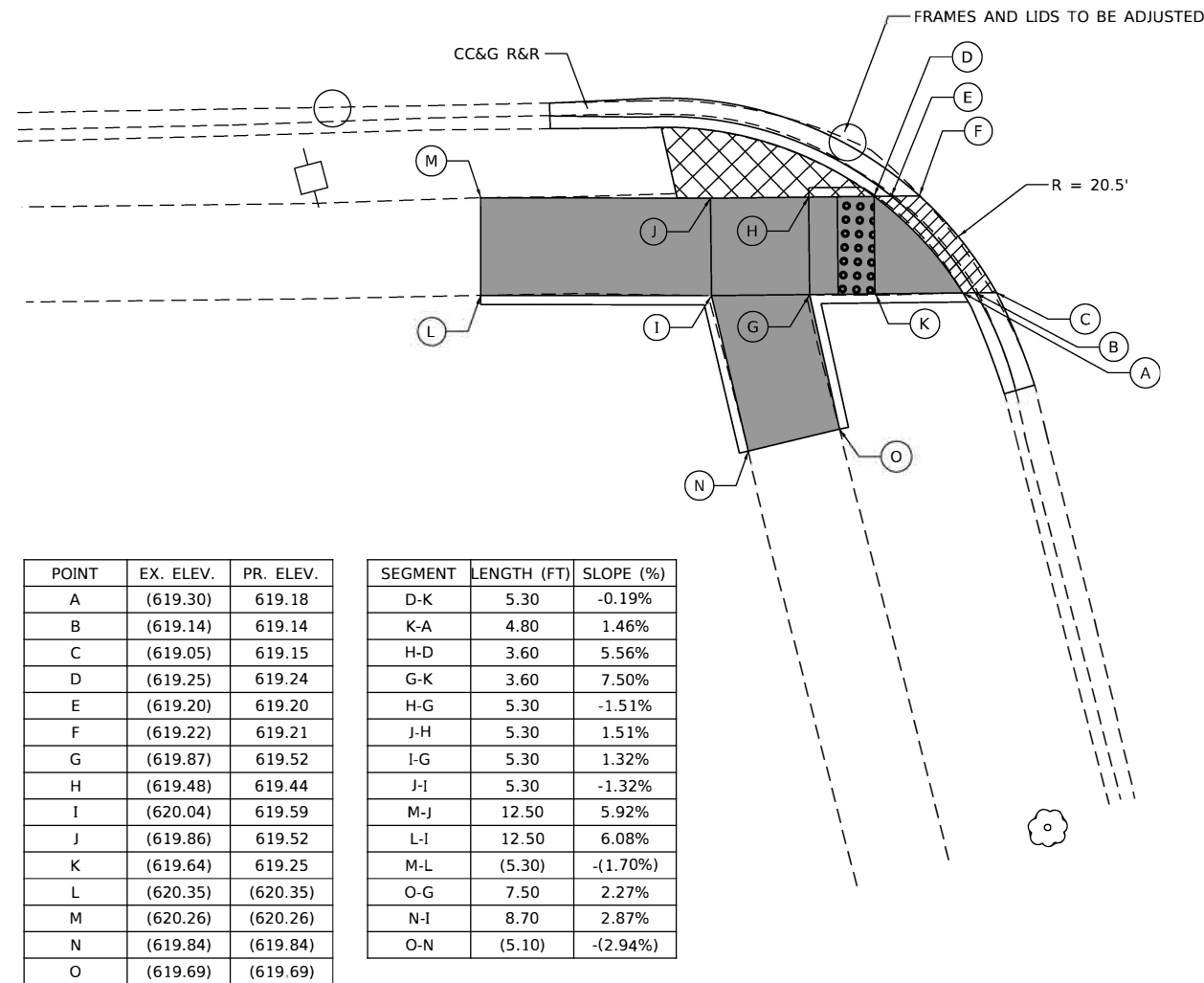
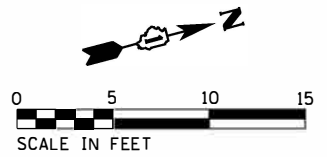
ADA RAMP DETAILS  
NILES CENTER ROAD AND HOWARD STREET

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2798	2018-014-R5-SW	COOK	64	21
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62G76	

# NILES CENTER RD

# DOBSON STREET



POINT	EX. ELEV.	PR. ELEV.
A	(619.30)	619.18
B	(619.14)	619.14
C	(619.05)	619.15
D	(619.25)	619.24
E	(619.20)	619.20
F	(619.22)	619.21
G	(619.87)	619.52
H	(619.48)	619.44
I	(620.04)	619.59
J	(619.86)	619.52
K	(619.64)	619.25
L	(620.35)	(620.35)
M	(620.26)	(620.26)
N	(619.84)	(619.84)
O	(619.69)	(619.69)

SEGMENT	LENGTH (FT)	SLOPE (%)
D-K	5.30	-0.19%
K-A	4.80	1.46%
H-D	3.60	5.56%
G-K	3.60	7.50%
H-G	5.30	-1.51%
J-H	5.30	1.51%
I-G	5.30	1.32%
J-I	5.30	-1.32%
M-J	12.50	5.92%
L-I	12.50	6.08%
M-L	(5.30)	-(1.70%)
O-G	7.50	2.27%
N-I	8.70	2.87%
O-N	(5.10)	-(2.94%)

POINT	EX. ELEV.	PR. ELEV.
A	(619.13)	619.08
B	(619.11)	619.04
C	(619.06)	619.05
D	(619.11)	619.01
E	(619.09)	618.97
F	(619.12)	618.98
G	(619.62)	619.11
H	(619.65)	619.10
I	(619.76)	619.17
J	(619.68)	619.54
K	(619.72)	619.56
L	(619.81)	(619.81)
M	(619.68)	(619.68)
N	(619.47)	(619.47)
O	(619.52)	(619.52)

SEGMENT	LENGTH (FT)	SLOPE (%)
H-A	6.40	0.31%
I-H	5.10	1.37%
G-D	7.00	1.43%
G-P	4.43	1.35%
I-G	5.10	1.18%
P-H	5.00	-1.00%
I-K	5.20	7.50%
G-J	6.20	6.94%
J-K	5.00	0.40%
M-J	5.20	2.69%
L-K	4.90	5.10%
M-L	(5.10)	-(2.55%)
O-I	8.10	4.32%
H-N	9.20	4.02%
N-O	(4.90)	-(1.02%)

NOTE: REFER TO ROADWAY AND PAVEMENT MARKING PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK: #2608 (ELEV. 622.78 FT)  
 BENCHMARK: TOP OF FIRE HYDRANT  
 LOCATION: WEST AREA FROM HOUSE #7632

### LEGEND

- (XX.XX) EXISTING LENGTH/ELEVATION
- ===== PROPOSED SIDE CURB
- (%) EXISTING SLOPE
- ┌──XX.XX──┐ REFERENCE POINT LENGTH
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL  
REPLACE WITH TOPSOIL AND SOD
- DEPRESSED CURB AND GUTTER

MODEL: D:\p1\11130318\_11130318\_W013104\_CADD\CADD\_Sheets\016276\p1\details\11130318-01.dgn



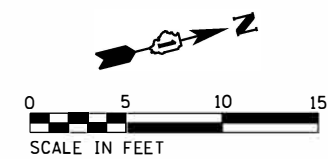
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	DRAWN - AA	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - RO/LLS	REVISED -
PLOT DATE = 03/18/2019	DATE - 03/12/2019	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS  
NILES CENTER ROAD AND DOBSON STREET

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2798	2018-014-RS-SW	COOK	64	22
CONTRACT NO. 62G76				
ILLINOIS FED. AID PROJECT				

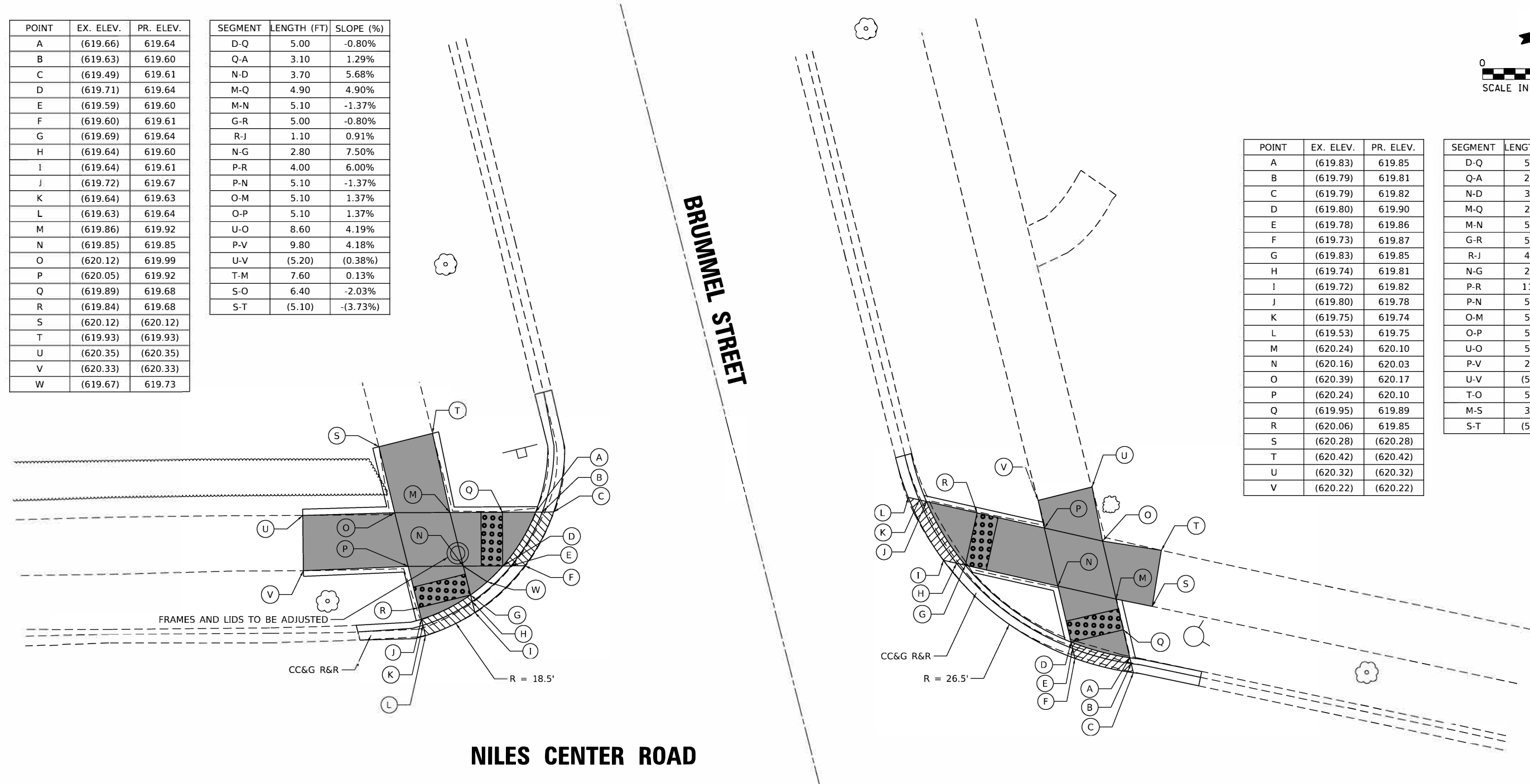


POINT	EX. ELEV.	PR. ELEV.
A	(619.66)	619.64
B	(619.63)	619.60
C	(619.49)	619.61
D	(619.71)	619.64
E	(619.59)	619.60
F	(619.60)	619.61
G	(619.69)	619.64
H	(619.64)	619.60
I	(619.64)	619.61
J	(619.72)	619.67
K	(619.64)	619.63
L	(619.63)	619.64
M	(619.86)	619.92
N	(619.85)	619.85
O	(620.12)	619.99
P	(620.05)	619.92
Q	(619.89)	619.68
R	(619.84)	619.68
S	(620.12)	(620.12)
T	(619.93)	(619.93)
U	(620.35)	(620.35)
V	(620.33)	(620.33)
W	(619.67)	619.73

SEGMENT	LENGTH (FT)	SLOPE (%)
D-Q	5.00	-0.80%
Q-A	3.10	1.29%
N-D	3.70	5.68%
M-Q	4.90	4.90%
M-N	5.10	-1.37%
G-R	5.00	-0.80%
R-J	1.10	0.91%
N-G	2.80	7.50%
P-R	4.00	6.00%
P-N	5.10	-1.37%
O-M	5.10	1.37%
O-P	5.10	1.37%
U-O	8.60	4.19%
P-V	9.80	4.18%
U-V	(5.20)	(0.38%)
T-M	7.60	0.13%
S-O	6.40	-2.03%
S-T	(5.10)	-(3.73%)

POINT	EX. ELEV.	PR. ELEV.
A	(619.83)	619.85
B	(619.79)	619.81
C	(619.79)	619.82
D	(619.80)	619.90
E	(619.78)	619.86
F	(619.73)	619.87
G	(619.83)	619.85
H	(619.74)	619.81
I	(619.72)	619.82
J	(619.80)	619.78
K	(619.75)	619.74
L	(619.53)	619.75
M	(620.24)	620.10
N	(620.16)	620.03
O	(620.39)	620.17
P	(620.24)	620.10
Q	(619.95)	619.89
R	(620.06)	619.85
S	(620.28)	(620.28)
T	(620.42)	(620.42)
U	(620.32)	(620.32)
V	(620.22)	(620.22)

SEGMENT	LENGTH (FT)	SLOPE (%)
D-Q	5.00	0.20%
Q-A	2.70	1.48%
N-D	3.40	3.82%
M-Q	2.90	7.24%
M-N	5.00	-1.40%
G-R	5.00	0.00%
R-J	4.80	1.46%
N-G	2.80	6.43%
P-R	11.30	2.21%
P-N	5.00	-1.40%
O-M	5.10	1.37%
O-P	5.10	1.37%
U-O	5.10	2.94%
P-V	2.63	4.56%
U-V	(5.20)	(1.92%)
T-O	5.50	4.55%
M-S	3.40	5.29%
S-T	(5.10)	(2.75%)



MODEL: Default  
 FILE NAME: J:\18038\W01304\_CADD\CADD\_Sheets\016276-rtt\details-adr-6c-14-01.dgn

NOTE: REFER TO ROADWAY AND PAVEMENT MARKING PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK: #3115 (ELEV. 623.16 FT)  
 BENCHMARK: TOP SPINDAL OF FIRE HYDRANT  
 LOCATION: NORTHWEST CORNER OF NILES CENTER RD. & BRUMMEL ST.

### NILES CENTER RD

**LEGEND**

(XX.XX)	EXISTING LENGTH/ELEVATION		PROPOSED SIDEWALK
==	PROPOSED SIDE CURB		DETECTABLE WARNINGS
(%)	EXISTING SLOPE		SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD
┌──XX.XX──┐	REFERENCE POINT LENGTH		DEPRESSED CURB AND GUTTER



USER NAME = isupencheck	DESIGNED - AA	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - AA	REVISED -
PLOT DATE = 03/18/2019	CHECKED - RO/LLS	REVISED -
	DATE - 03/12/2019	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS  
NILES CENTER ROAD AND BRUMMEL STREET

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

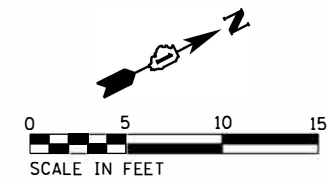
F.A.D. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2798	2018-014-R5-SW	COOK	64	23
CONTRACT NO. 62G76			ILLINOIS FED. AID PROJECT	



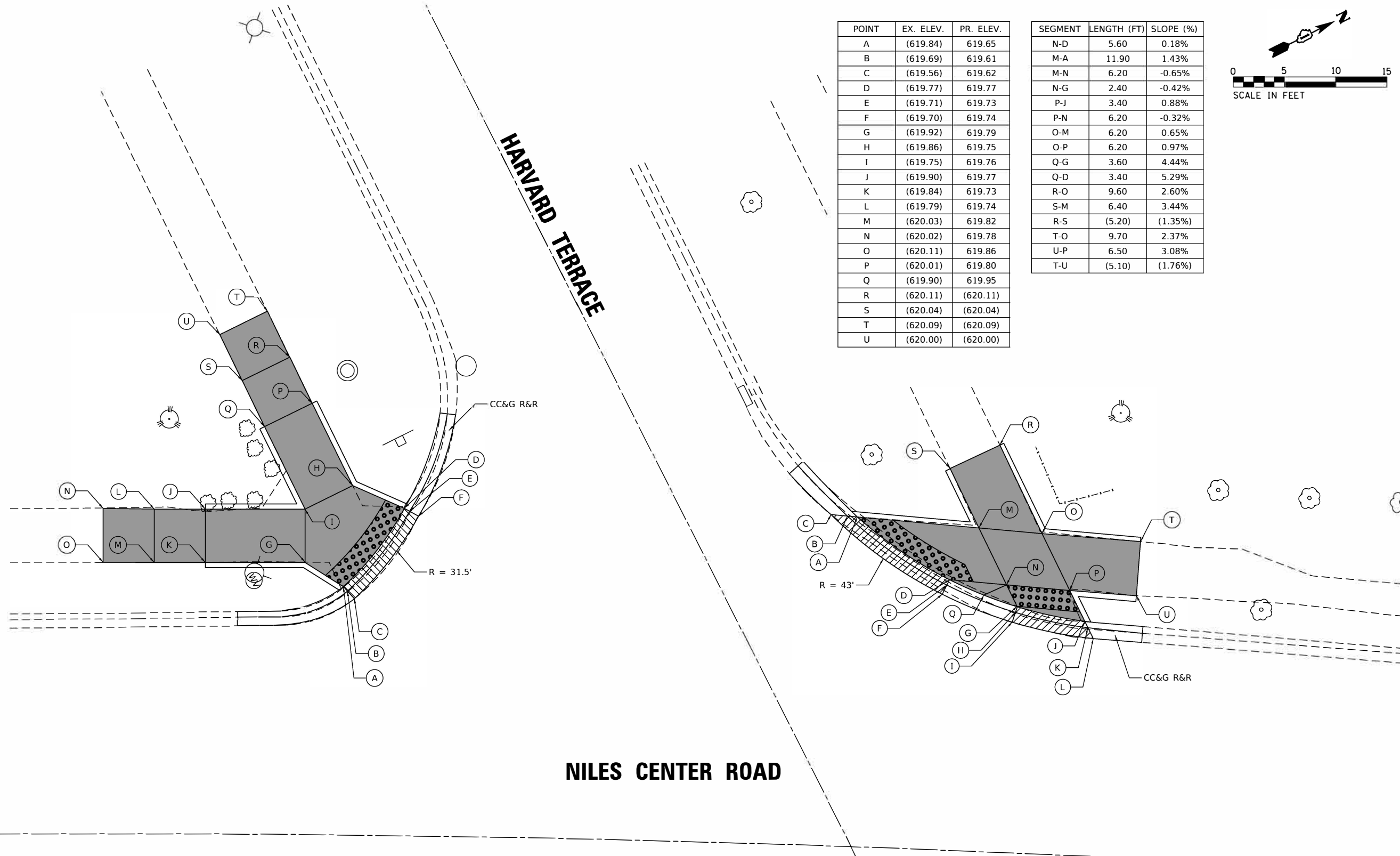
POINT	EX. ELEV.	PR. ELEV.
A	(619.77)	619.63
B	(619.65)	619.59
C	(619.69)	619.60
D	(619.50)	619.53
E	(619.56)	619.49
F	(619.48)	619.50
G	(620.16)	619.65
H	(620.14)	619.60
I	(620.34)	619.67
J	(620.54)	620.38
K	(620.35)	620.33
L	(620.56)	620.43
M	(620.39)	620.38
N	(620.59)	(620.59)
O	(620.47)	(620.47)
P	(620.43)	620.20
Q	(620.56)	620.25
R	(620.41)	620.25
S	(620.56)	620.30
T	(620.40)	(620.40)
U	(620.65)	(620.65)

POINT	EX. ELEV.	PR. ELEV.
A	(619.84)	619.65
B	(619.69)	619.61
C	(619.56)	619.62
D	(619.77)	619.77
E	(619.71)	619.73
F	(619.70)	619.74
G	(619.92)	619.79
H	(619.86)	619.75
I	(619.75)	619.76
J	(619.90)	619.77
K	(619.84)	619.73
L	(619.79)	619.74
M	(620.03)	619.82
N	(620.02)	619.78
O	(620.11)	619.86
P	(620.01)	619.80
Q	(619.90)	619.95
R	(620.11)	(620.11)
S	(620.04)	(620.04)
T	(620.09)	(620.09)
U	(620.00)	(620.00)

SEGMENT	LENGTH (FT)	SLOPE (%)
N-D	5.60	0.18%
M-A	11.90	1.43%
M-N	6.20	-0.65%
N-G	2.40	-0.42%
P-J	3.40	0.88%
P-N	6.20	-0.32%
O-M	6.20	0.65%
O-P	6.20	0.97%
Q-G	3.60	4.44%
Q-D	3.40	5.29%
R-O	9.60	2.60%
S-M	6.40	3.44%
R-S	(5.20)	(1.35%)
T-O	9.70	2.37%
U-P	6.50	3.08%
T-U	(5.10)	(1.76%)



SEGMENT	LENGTH (FT)	SLOPE (%)
G-A	4.50	0.44%
H-D	5.70	1.23%
I-G	5.20	0.38%
I-H	5.20	1.35%
A-D	9.80	1.02%
J-I	9.70	7.32%
K-G	9.70	7.01%
J-K	5.20	0.96%
L-J	5.00	1.00%
M-K	5.00	1.00%
L-M	5.20	0.96%
N-L	5.00	3.20%
O-M	5.00	1.80%
N-O	(5.40)	(2.22%)
P-H	9.00	6.67%
Q-I	9.00	6.44%
P-Q	5.20	-0.96%
R-P	5.00	1.00%
S-Q	5.00	1.00%
R-S	5.20	-0.96%
T-R	5.00	3.00%
U-S	5.00	7.00%
T-U	(5.20)	-(4.81%)



NOTE: REFER TO ROADWAY AND PAVEMENT MARKING PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK: #3637 (ELEV. 622.68 FT)  
 BENCHMARK: TOP SPINDAL OF FIRE HYDRANT  
 LOCATION: SOUTHEAST CORNER OF NILES CENTER RD. & HARVARD TERRACE

**LEGEND**

- (XX.XX) EXISTING LENGTH/ELEVATION
- ==== PROPOSED SIDE CURB
- (%) EXISTING SLOPE
- ┌──XX.XX──┐ REFERENCE POINT LENGTH
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL  
REPLACE WITH TOPSOIL AND SOD
- DEPRESSED CURB AND GUTTER



USER NAME = lsupencheck	DESIGNED -	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 03/18/2019	CHECKED = RO/LLS	REVISED +
	DATE = 03/12/2019	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS  
NILES CENTER ROAD AND HARVARD TERRACE

F.A.U. RTE. 2798	SECTION 2018-014-R5-SW	COUNTY COOK	TOTAL SHEETS 64	SHEET NO. 25
CONTRACT NO. 62G76				
ILLINOIS FED. AID PROJECT				

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

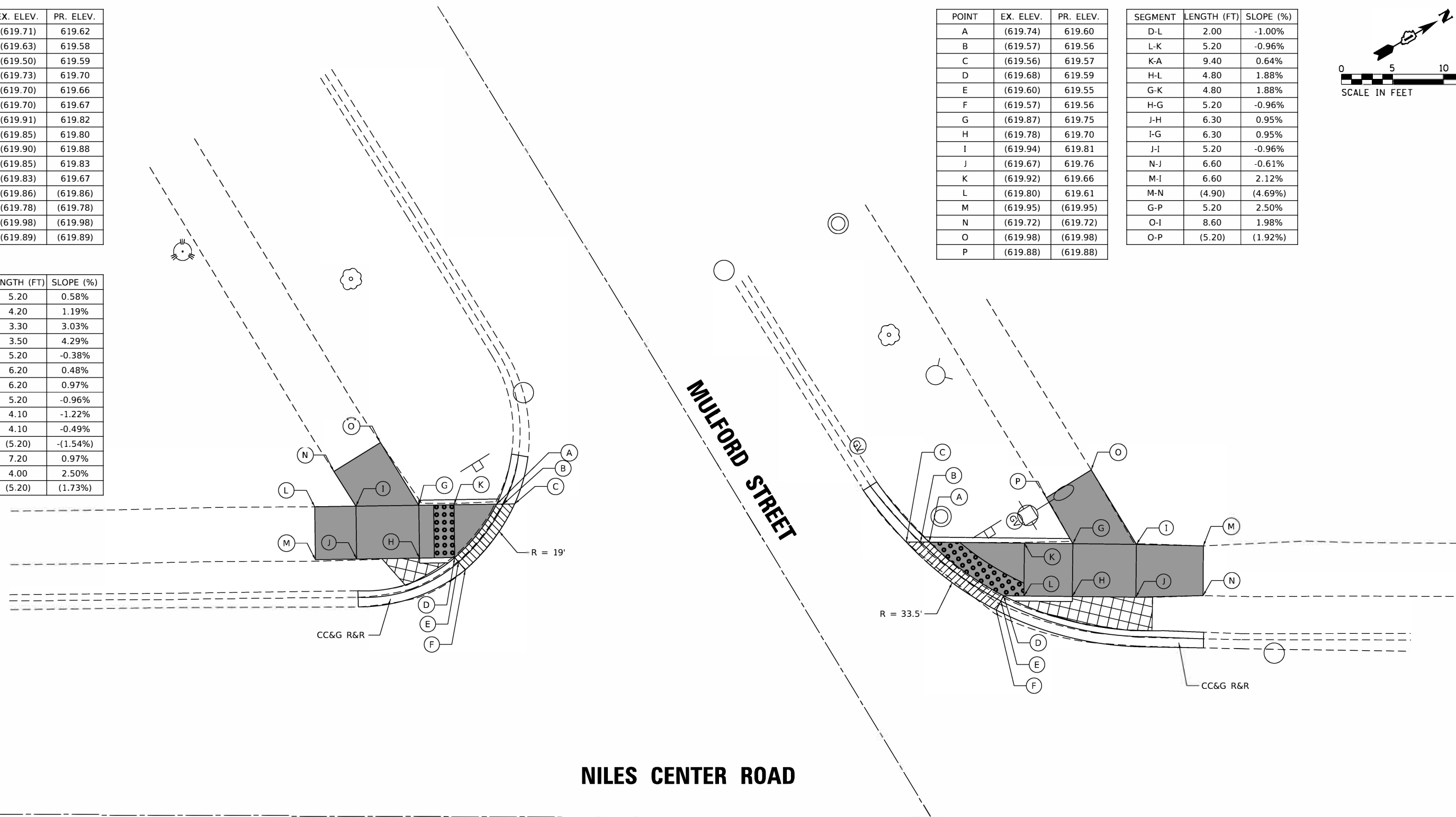
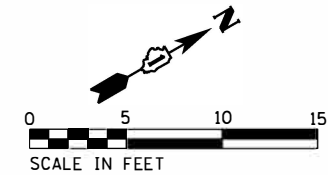


POINT	EX. ELEV.	PR. ELEV.
A	(619.71)	619.62
B	(619.63)	619.58
C	(619.50)	619.59
D	(619.73)	619.70
E	(619.70)	619.66
F	(619.70)	619.67
G	(619.91)	619.82
H	(619.85)	619.80
I	(619.90)	619.88
J	(619.85)	619.83
K	(619.83)	619.67
L	(619.86)	(619.86)
M	(619.78)	(619.78)
N	(619.98)	(619.98)
O	(619.89)	(619.89)

SEGMENT	LENGTH (FT)	SLOPE (%)
D-K	5.20	0.58%
K-A	4.20	1.19%
H-D	3.30	3.03%
G-K	3.50	4.29%
H-G	5.20	-0.38%
J-H	6.20	0.48%
I-G	6.20	0.97%
J-I	5.20	-0.96%
M-J	4.10	-1.22%
L-I	4.10	-0.49%
M-L	(5.20)	(-1.54%)
G-O	7.20	0.97%
N-I	4.00	2.50%
N-O	(5.20)	(1.73%)

POINT	EX. ELEV.	PR. ELEV.
A	(619.74)	619.60
B	(619.57)	619.56
C	(619.56)	619.57
D	(619.68)	619.59
E	(619.60)	619.55
F	(619.57)	619.56
G	(619.87)	619.75
H	(619.78)	619.70
I	(619.94)	619.81
J	(619.67)	619.76
K	(619.92)	619.66
L	(619.80)	619.61
M	(619.95)	(619.95)
N	(619.72)	(619.72)
O	(619.98)	(619.98)
P	(619.88)	(619.88)

SEGMENT	LENGTH (FT)	SLOPE (%)
D-L	2.00	-1.00%
L-K	5.20	-0.96%
K-A	9.40	0.64%
H-L	4.80	1.88%
G-K	4.80	1.88%
H-G	5.20	-0.96%
J-H	6.30	0.95%
I-G	6.30	0.95%
J-I	5.20	-0.96%
N-J	6.60	-0.61%
M-I	6.60	2.12%
M-N	(4.90)	(4.69%)
G-P	5.20	2.50%
O-I	8.60	1.98%
O-P	(5.20)	(1.92%)



**NILES CENTER ROAD**

NOTE: REFER TO ROADWAY AND PAVEMENT MARKING PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK: #3897 (ELEV. 622.21 FT) & #4157 (ELEV. 622.19 FT)  
 BENCHMARK: TOP SPINDAL OF FIRE HYDRANT  
 LOCATION: NORTHWEST CORNER OF NILES CENTER RD. & MULFORD ST.

**LEGEND**

- (XX.XX) EXISTING LENGTH/ELEVATION
- ===== PROPOSED SIDE CURB
- (%) EXISTING SLOPE
- ┌──XX.XX──┐ REFERENCE POINT LENGTH
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL  
REPLACE WITH TOPSOIL AND SOD
- DEPRESSED CURB AND GUTTER

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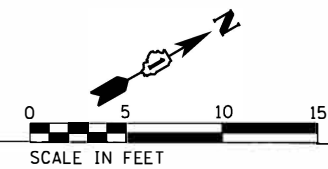
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PLOT DATE = 03/18/2019	CHECKED - RO/LLS	REVISED -
	DATE - 03/12/2019	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

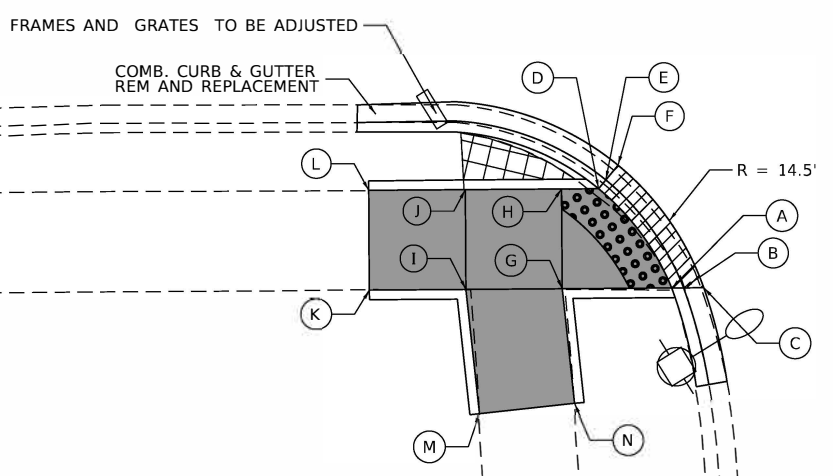
ADA RAMP DETAILS  
NILES CENTER ROAD AND MULFORD STREET

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2798	2018-014-R5-SW	COOK	64	27
CONTRACT NO. 62G76				
ILLINOIS FED. AID PROJECT				



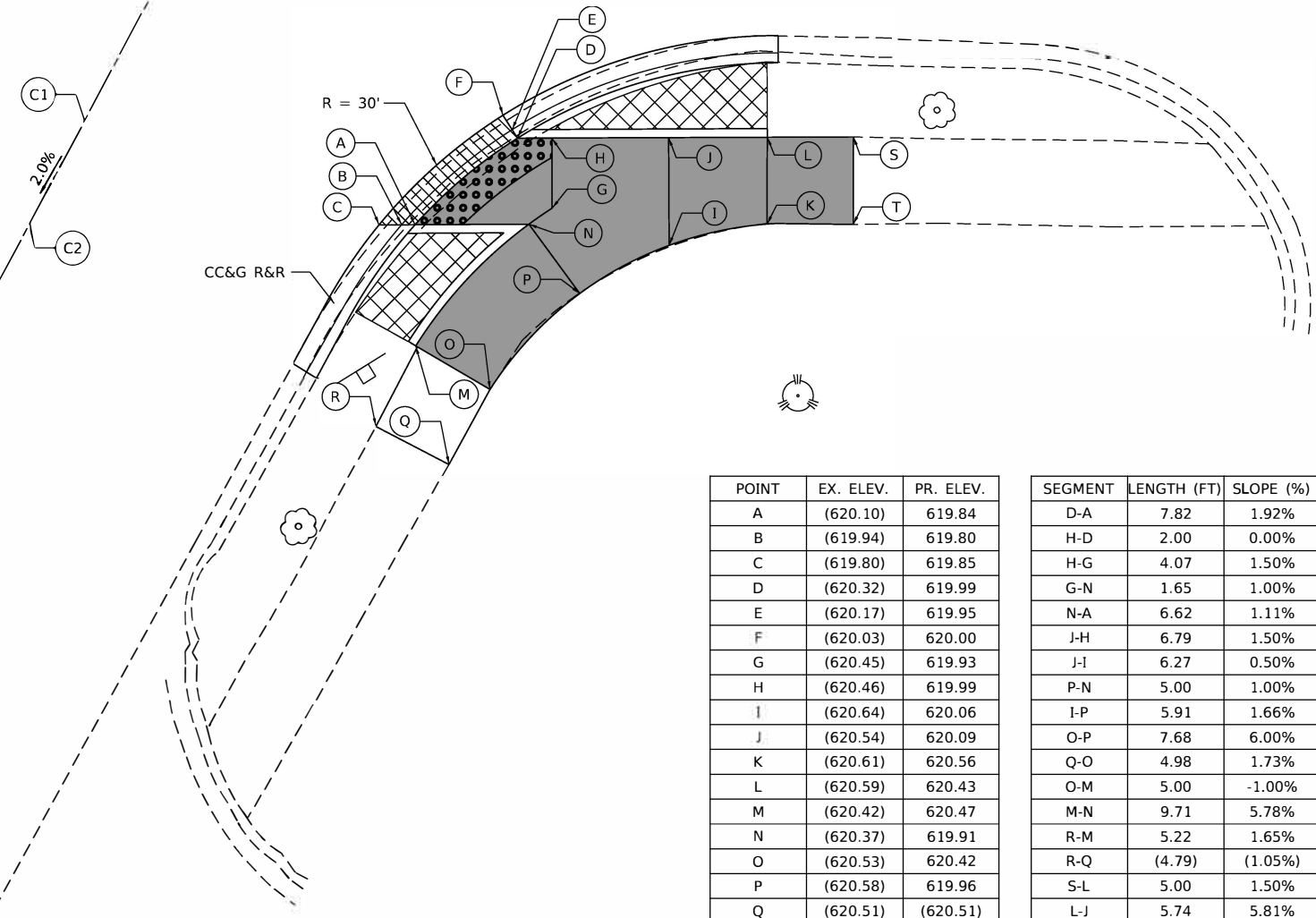
### NILES CENTER ROAD



POINT	EX. ELEV.	PR. ELEV.
A	(619.45)	619.30
B	(619.41)	619.26
C	(619.24)	619.27
D	(619.45)	619.34
E	(619.44)	619.30
F	(619.36)	619.31
G	(619.67)	619.38
H	(619.58)	619.36
I	(619.67)	619.45
J	(619.54)	619.43
K	(619.61)	(619.61)
L	(619.56)	(619.56)
M	(619.57)	(619.57)
N	(619.63)	(619.63)

SEGMENT	LENGTH (FT)	SLOPE (%)
H-D	2.00	1.00%
G-A	5.40	1.48%
H-G	5.20	-0.38%
J-H	5.00	1.40%
I-G	5.00	1.40%
J-I	5.00	-0.40%
L-J	5.00	2.60%
K-I	5.00	3.20%
L-K	(5.20)	-(0.96%)
N-G	6.00	4.17%
M-I	6.50	1.85%
N-M	(5.20)	(1.15%)

### MULFORD STREET



POINT	EX. ELEV.	PR. ELEV.
A	(620.10)	619.84
B	(619.94)	619.80
C	(619.80)	619.85
D	(620.32)	619.99
E	(620.17)	619.95
F	(620.03)	620.00
G	(620.45)	619.93
H	(620.46)	619.99
I	(620.64)	620.06
J	(620.54)	620.09
K	(620.61)	620.56
L	(620.59)	620.43
M	(620.42)	620.47
N	(620.37)	619.91
O	(620.53)	620.42
P	(620.58)	619.96
Q	(620.51)	(620.51)
R	(620.56)	(620.56)
S	(620.50)	(620.50)
T	(620.65)	(620.65)
C1	(619.75)	619.70
C2	(619.57)	(619.57)

SEGMENT	LENGTH (FT)	SLOPE (%)
D-A	7.82	1.92%
H-D	2.00	0.00%
H-G	4.07	1.50%
G-N	1.65	1.00%
N-A	6.62	1.11%
J-H	6.79	1.50%
J-I	6.27	0.50%
P-N	5.00	1.00%
I-P	5.91	1.66%
O-P	7.68	6.00%
Q-O	4.98	1.73%
O-M	5.00	-1.00%
M-N	9.71	5.78%
R-M	5.22	1.65%
R-Q	(4.79)	(1.05%)
S-L	5.00	1.50%
L-J	5.74	5.81%
T-K	5.00	1.80%
K-I	5.85	8.53%
T-S	(5.09)	(2.95%)
C1-C2	(6.51)	2.00%

NOTE: REFER TO ROADWAY AND PAVEMENT MARKING PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK: #3897 (ELEV. 622.21 FT) & #4157 (ELEV. 622.19 FT)  
 BENCHMARK: TOP SPINDAL OF FIRE HYDRANT  
 LOCATION: NORTHWEST CORNER OF NILES CENTER RD. & MULFORD ST.

#### LEGEND

- (XX.XX) EXISTING LENGTH/ELEVATION
- ===== PROPOSED SIDE CURB
- (%) EXISTING SLOPE
- ┌──XX.XX──┐ REFERENCE POINT LENGTH
- [Solid Grey Box] PROPOSED SIDEWALK
- [Dotted Box] DETECTABLE WARNINGS
- [Cross-hatched Box] SIDEWALK REMOVAL  
REPLACE WITH TOPSOIL AND SOD
- [Diagonal-hatched Box] DEPRESSED CURB AND GUTTER

REFERENCE BENCHMARK:  
 BENCHMARK:  
 LOCATION:



USER NAME = lsupencheck	DESIGNED - EEC/LLS	REVISED -
	DRAWN - EEC/LLS	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - RO/LLS	REVISED -
PLOT DATE = 03/18/2019	DATE - 03/12/2019	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS  
 NILES CENTER ROAD AND MULFORD STREET

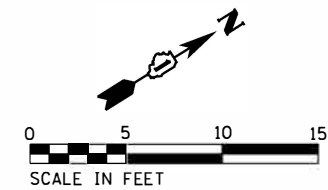
SCALE: 1"=5' SHEET 1 OF 1 SHEETS STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2798	2018-014-R5-SW	COOK	64	28

CONTRACT NO. 62G76  
 ILLINOIS FED. AID PROJECT

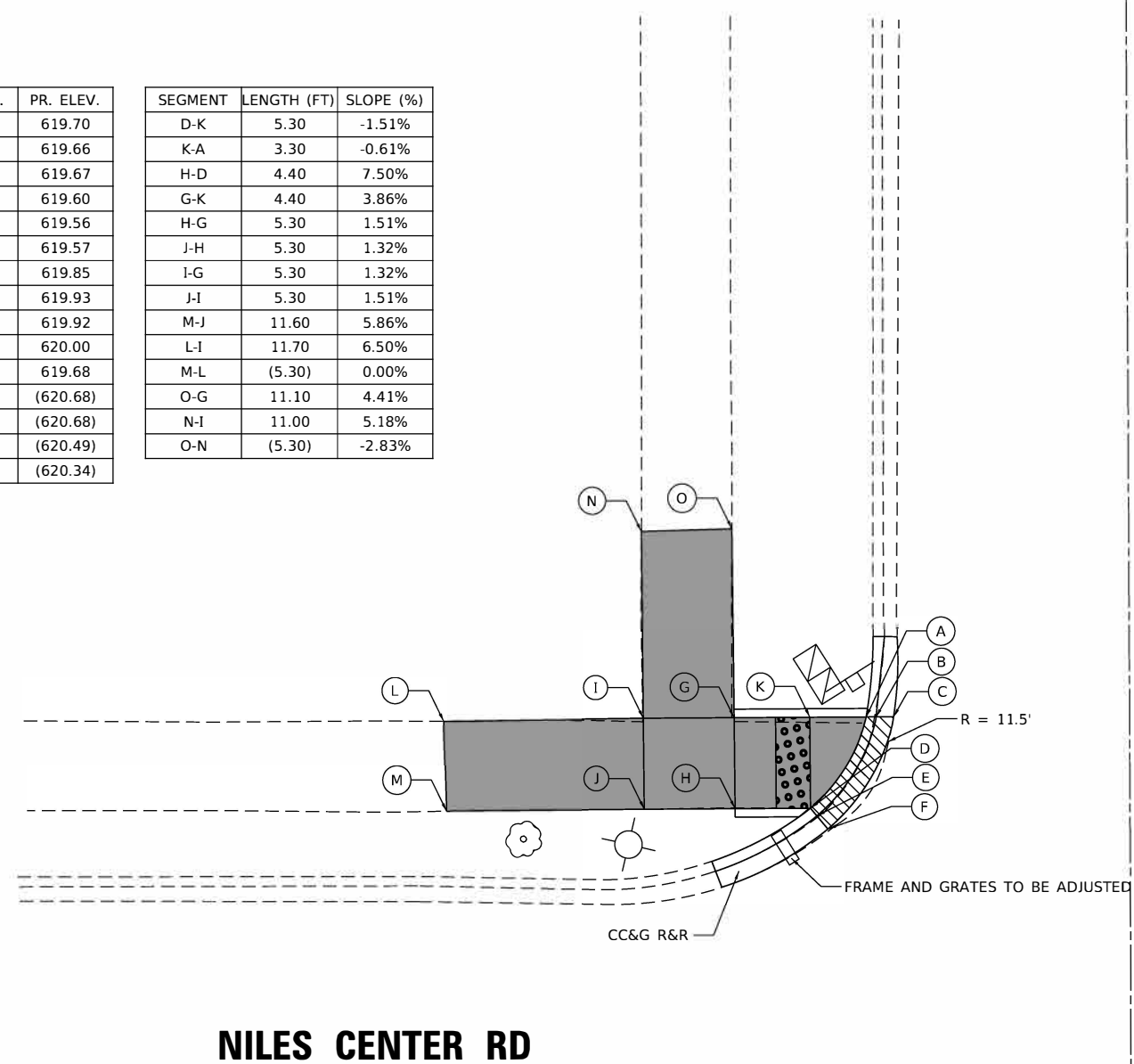
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POINT	EX. ELEV.	PR. ELEV.
A	(619.90)	619.70
B	(619.77)	619.66
C	(619.57)	619.67
D	(619.47)	619.60
E	(619.56)	619.56
F	(619.67)	619.57
G	(620.22)	619.85
H	(620.16)	619.93
I	(620.55)	619.92
J	(620.52)	620.00
K	(620.03)	619.68
L	(620.68)	(620.68)
M	(620.68)	(620.68)
N	(620.49)	(620.49)
O	(620.34)	(620.34)

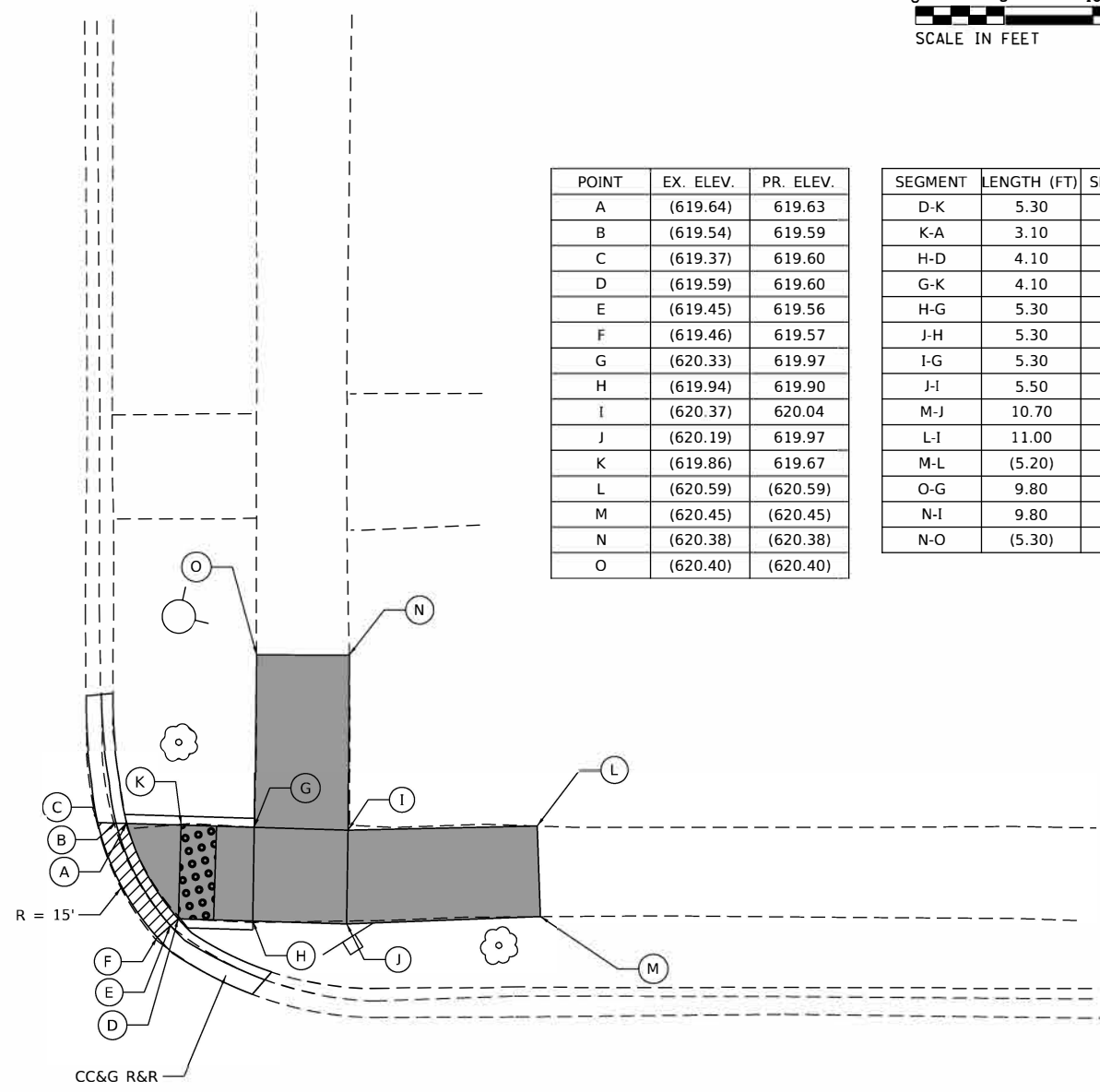
SEGMENT	LENGTH (FT)	SLOPE (%)
D-K	5.30	-1.51%
K-A	3.30	-0.61%
H-D	4.40	7.50%
G-K	4.40	3.86%
H-G	5.30	1.51%
J-H	5.30	1.32%
I-G	5.30	1.32%
J-I	5.30	1.51%
M-J	11.60	5.86%
L-I	11.70	6.50%
M-L	(5.30)	0.00%
O-G	11.10	4.41%
N-I	11.00	5.18%
O-N	(5.30)	-2.83%



GEORGE STREET

POINT	EX. ELEV.	PR. ELEV.
A	(619.64)	619.63
B	(619.54)	619.59
C	(619.37)	619.60
D	(619.59)	619.60
E	(619.45)	619.56
F	(619.46)	619.57
G	(620.33)	619.97
H	(619.94)	619.90
I	(620.37)	620.04
J	(620.19)	619.97
K	(619.86)	619.67
L	(620.59)	(620.59)
M	(620.45)	(620.45)
N	(620.38)	(620.38)
O	(620.40)	(620.40)

SEGMENT	LENGTH (FT)	SLOPE (%)
D-K	5.30	-1.32%
K-A	3.10	1.29%
H-D	4.10	7.32%
G-K	4.10	7.32%
H-G	5.30	-1.32%
J-H	5.30	1.32%
I-G	5.30	1.32%
J-I	5.50	-1.27%
M-J	10.70	4.49%
L-I	11.00	5.00%
M-L	(5.20)	-2.69%
O-G	9.80	4.39%
N-I	9.80	3.47%
N-O	(5.30)	0.38%



NOTE: REFER TO ROADWAY AND PAVEMENT MARKING PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK: #4411 (ELEV. 623.16 FT)  
 BENCHMARK: X-CUT ON TOP OF EAST BOLT OF ON FIRE HYDRANT  
 LOCATION: (ARROW POINTS TO) NORTHWEST CORNER OF NILES CENTER RD. & GEORGE ST.

**LEGEND**

- (XX.XX) EXISTING LENGTH/ELEVATION
- ===== PROPOSED SIDE CURB
- (%) EXISTING SLOPE
- ┌──XX.XX──┐ REFERENCE POINT LENGTH
- [Shaded Box] PROPOSED SIDEWALK
- [Dotted Box] DETECTABLE WARNINGS
- [Cross-hatched Box] SIDEWALK REMOVAL  
REPLACE WITH TOPSOIL AND SOD
- [Hatched Box] DEPRESSED CURB AND GUTTER



USER NAME = lsupencheck	DESIGNED - AA	REVISED -
	DRAWN - AA	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - RO/LLS	REVISED -
PLOT DATE = 03/18/2019	DATE - 03/12/2019	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS  
NILES CENTER ROAD AND GEORGE STREET

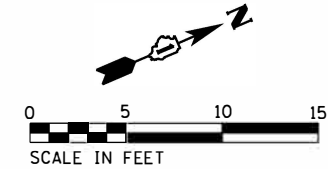
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2798	2018-014-R5-SW	COOK	64	29
CONTRACT NO. 62G76				
ILLINOIS FED. AID PROJECT				

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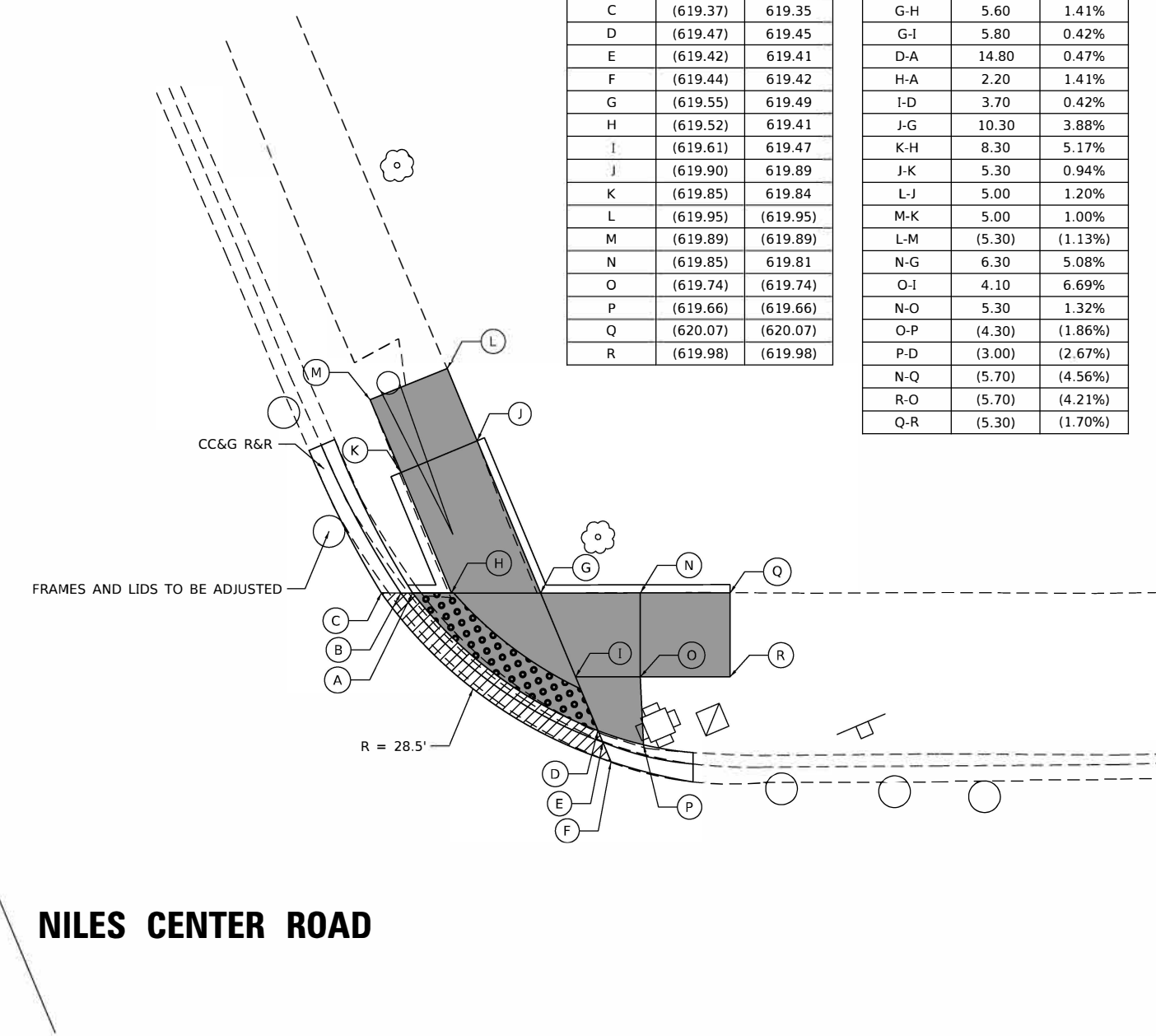
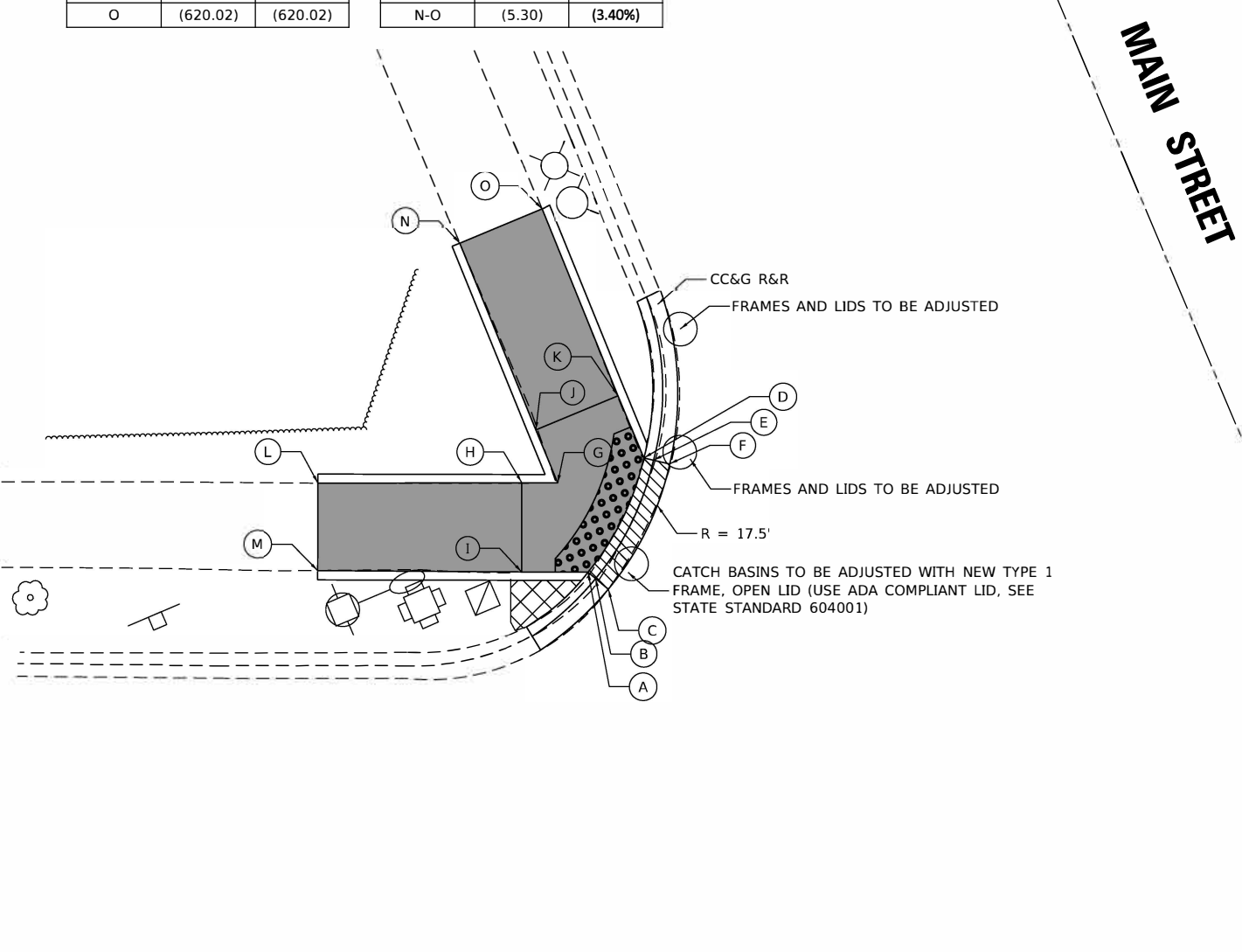
POINT	EX. ELEV.	PR. ELEV.
A	(619.53)	619.50
B	(619.47)	619.46
C	(619.43)	619.47
D	(619.49)	619.39
E	(619.37)	619.35
F	(619.29)	619.36
G	(619.76)	619.46
H	(619.82)	619.48
I	(619.82)	619.52
J	(619.84)	619.48
K	(619.69)	619.43
L	(620.13)	(620.13)
M	(620.10)	(620.10)
N	(620.20)	(620.20)
O	(620.02)	(620.02)

SEGMENT	LENGTH (FT)	SLOPE (%)
K-D	4.00	1.00%
J-K	5.30	0.94%
I-A	4.00	0.50%
H-I	5.30	-0.75%
J-G	3.40	0.59%
G-D	5.30	1.32%
H-G	2.10	0.95%
G-A	5.60	-0.71%
A-D	7.60	-1.45%
L-H	12.10	5.37%
M-I	12.10	4.79%
L-M	(5.20)	(0.58%)
N-J	12.00	6.00%
O-K	12.00	4.92%
N-O	(5.30)	(3.40%)



POINT	EX. ELEV.	PR. ELEV.
A	(619.51)	619.38
B	(619.48)	619.34
C	(619.37)	619.35
D	(619.47)	619.45
E	(619.42)	619.41
F	(619.44)	619.42
G	(619.55)	619.49
H	(619.52)	619.41
I	(619.61)	619.47
J	(619.90)	619.89
K	(619.85)	619.84
L	(619.95)	(619.95)
M	(619.89)	(619.89)
N	(619.85)	619.81
O	(619.74)	(619.74)
P	(619.66)	(619.66)
Q	(620.07)	(620.07)
R	(619.98)	(619.98)

SEGMENT	LENGTH (FT)	SLOPE (%)
G-D	9.50	0.42%
G-A	7.80	1.41%
G-H	5.60	1.41%
G-I	5.80	0.42%
D-A	14.80	0.47%
H-A	2.20	1.41%
I-D	3.70	0.42%
J-G	10.30	3.88%
K-H	8.30	5.17%
J-K	5.30	0.94%
L-J	5.00	1.20%
M-K	5.00	1.00%
L-M	(5.30)	(1.13%)
N-G	6.30	5.08%
O-I	4.10	6.69%
N-O	5.30	1.32%
O-P	(4.30)	(1.86%)
P-D	(3.00)	(2.67%)
N-Q	(5.70)	(4.56%)
R-O	(5.70)	(4.21%)
Q-R	(5.30)	(1.70%)



NOTE: REFER TO ROADWAY AND PAVEMENT MARKING PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK: #5054 (ELEV. 620.74 FT)  
 BENCHMARK: SQUARE AT THE SOUTHWEST CORNER OF TRAFFIC CONTROL BOX  
 LOCATION: NORTHEAST CORNER OF NILES CENTER RD. & MAIN ST.

**LEGEND**

(XX.XX)	EXISTING LENGTH/ELEVATION		PROPOSED SIDEWALK
	PROPOSED SIDE CURB		DETECTABLE WARNINGS
(%)	EXISTING SLOPE		SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD
	REFERENCE POINT LENGTH		DEPRESSED CURB AND GUTTER

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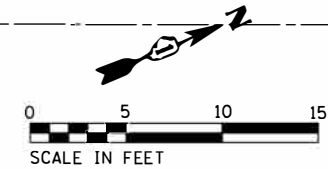
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PLOT DATE = 03/18/2019	CHECKED - RO/LLS	REVISED -
	DATE - 03/12/2019	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

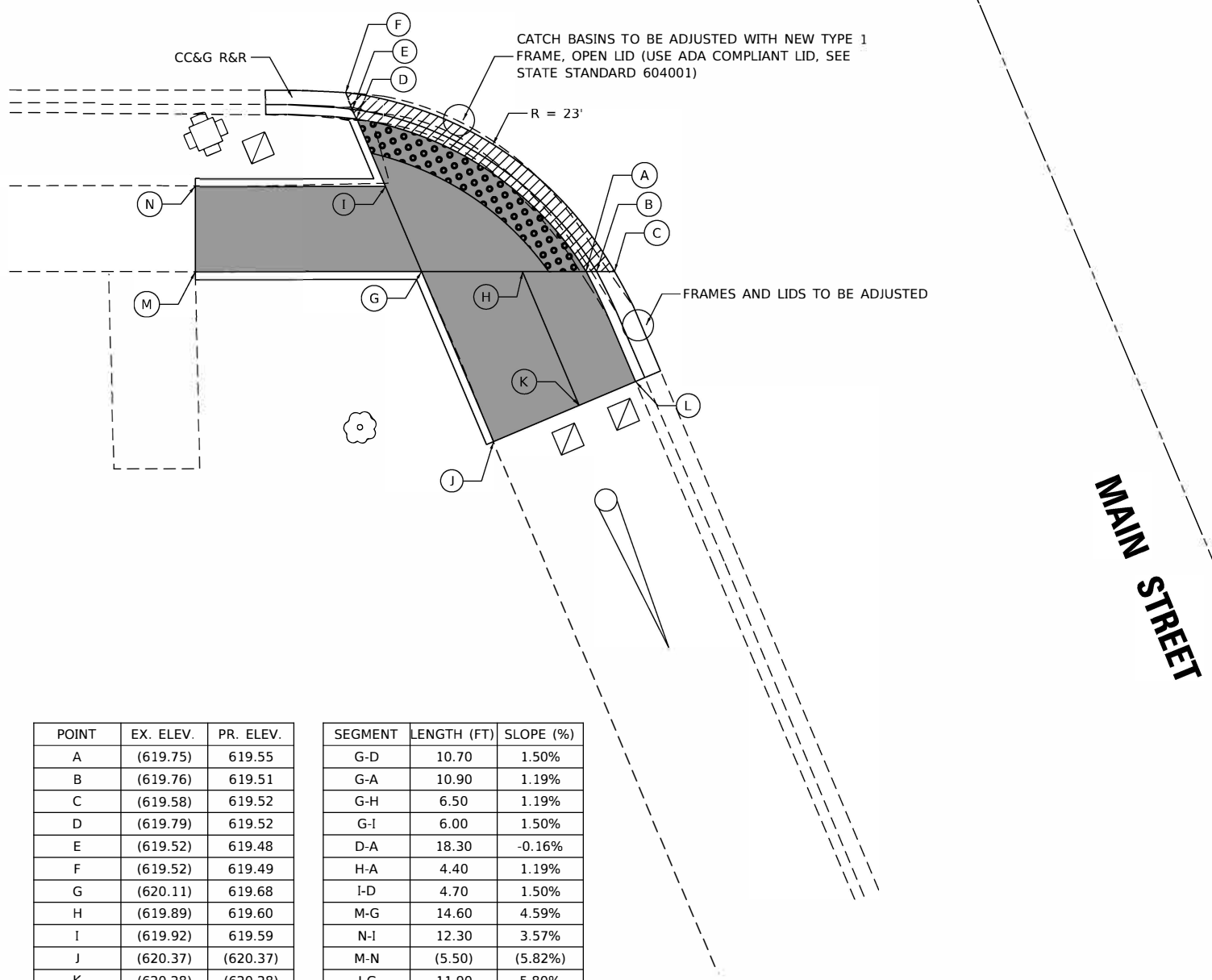
ADA RAMP DETAILS  
NILES CENTER ROAD AND MAIN STREET

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2798	2018-014-R5-SW	COOK	64	30
CONTRACT NO. 62G76				
ILLINOIS FED. AID PROJECT				



# NILES CENTER ROAD



POINT	EX. ELEV.	PR. ELEV.
A	(619.75)	619.55
B	(619.76)	619.51
C	(619.58)	619.52
D	(619.79)	619.52
E	(619.52)	619.48
F	(619.52)	619.49
G	(620.11)	619.68
H	(619.89)	619.60
I	(619.92)	619.59
J	(620.37)	(620.37)
K	(620.28)	(620.28)
L	(619.90)	(619.90)
M	(620.35)	(620.35)
N	(620.03)	(620.03)

SEGMENT	LENGTH (FT)	SLOPE (%)
G-D	10.70	1.50%
G-A	10.90	1.19%
G-H	6.50	1.19%
G-I	6.00	1.50%
D-A	18.30	-0.16%
H-A	4.40	1.19%
I-D	4.70	1.50%
M-G	14.60	4.59%
N-I	12.30	3.57%
M-N	(5.50)	(5.82%)
J-G	11.90	5.80%
K-H	9.40	7.21%
L-A	7.70	4.55%
J-K	(6.00)	(1.50%)
K-L	(3.90)	(9.74%)

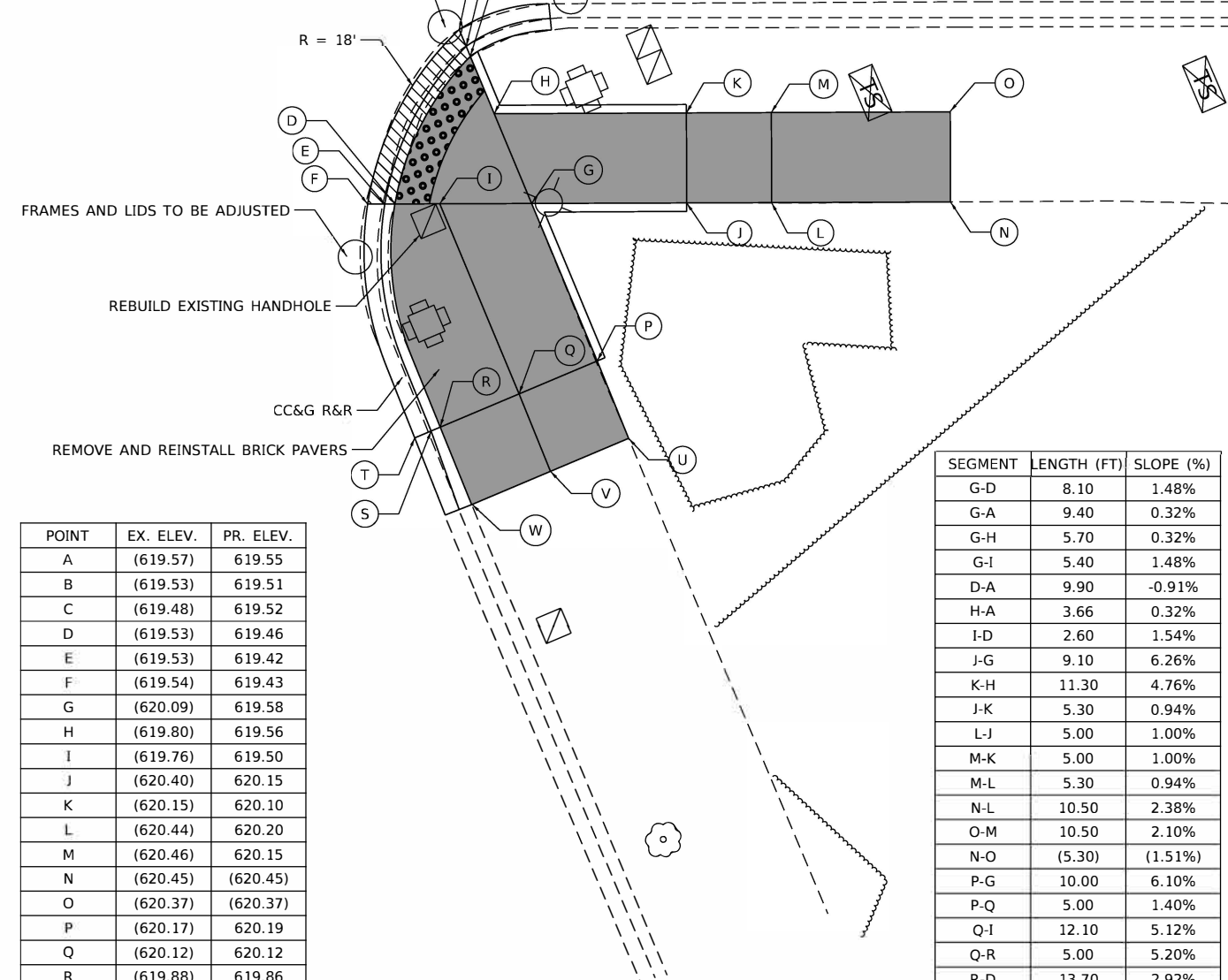
NOTE: REFER TO ROADWAY AND PAVEMENT MARKING PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK: #5054 (ELEV. 620.74 FT)  
 BENCHMARK: SQUARE AT THE SOUTHWEST CORNER OF TRAFFIC CONTROL BOX  
 LOCATION: NORTHEAST CORNER OF NILES CENTER RD. & MAIN ST.

### LEGEND

- (XX.XX) EXISTING LENGTH/ELEVATION
- ===== PROPOSED SIDE CURB
- (%) EXISTING SLOPE
- ┌──XX.XX──┐ REFERENCE POINT LENGTH
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD
- DEPRESSED CURB AND GUTTER

CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID (USE ADA COMPLIANT LID, SEE STATE STANDARD 604001)



POINT	EX. ELEV.	PR. ELEV.
A	(619.57)	619.55
B	(619.53)	619.51
C	(619.48)	619.52
D	(619.53)	619.46
E	(619.53)	619.42
F	(619.54)	619.43
G	(620.09)	619.58
H	(619.80)	619.56
I	(619.76)	619.50
J	(620.40)	620.15
K	(620.15)	620.10
L	(620.44)	620.20
M	(620.46)	620.15
N	(620.45)	(620.45)
O	(620.37)	(620.37)
P	(620.17)	620.19
Q	(620.12)	620.12
R	(619.88)	619.86
S	(619.79)	619.36
T	(619.45)	619.42
U	(620.26)	(620.26)
V	(620.08)	(620.08)
W	(619.86)	(619.86)

SEGMENT	LENGTH (FT)	SLOPE (%)
G-D	8.10	1.48%
G-A	9.40	0.32%
G-H	5.70	0.32%
G-I	5.40	1.48%
D-A	9.90	-0.91%
H-A	3.66	0.32%
I-D	2.60	1.54%
J-G	9.10	6.26%
K-H	11.30	4.76%
J-K	5.30	0.94%
L-J	5.00	1.00%
M-K	5.00	1.00%
M-L	5.30	0.94%
N-L	10.50	2.38%
O-M	10.50	2.10%
N-O	(5.30)	(1.51%)
P-G	10.00	6.10%
P-Q	5.00	1.40%
Q-I	12.10	5.12%
Q-R	5.00	5.20%
R-D	13.70	2.92%
U-P	4.90	1.43%
V-Q	4.90	-0.82%
U-V	(5.00)	3.60%
W-R	4.90	0.00%
V-W	(5.00)	4.40%

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

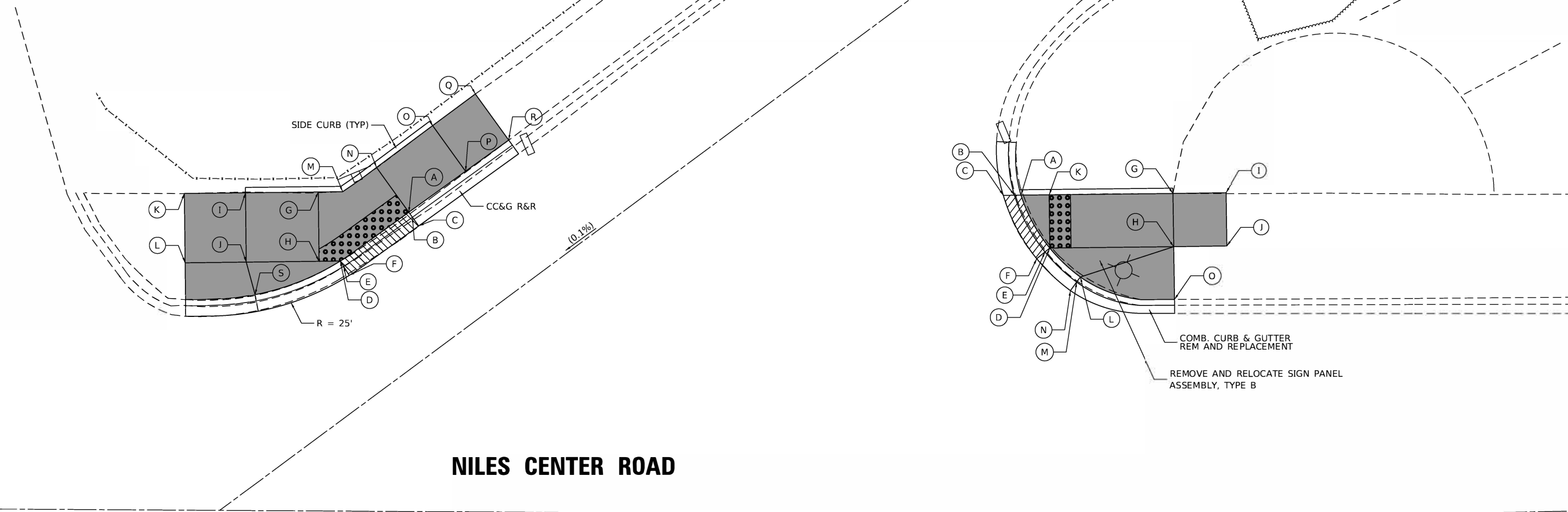
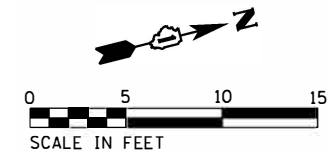
ADA RAMP DETAILS  
NILES CENTER ROAD AND MAIN STREET

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

F.A.U. RTE. 2798	SECTION 2018-014-R5-SW	COUNTY COOK	TOTAL SHEETS 64	SHEET NO. 31
CONTRACT NO. 62G76				
ILLINOIS FED. AID PROJECT				

POINT	EX. ELEV.	PR. ELEV.
A	(620.19)	619.94
B	(620.13)	619.90
C	(619.99)	619.95
D	(620.24)	619.99
E	(620.09)	619.95
F	(619.97)	620.00
G	(620.51)	620.06
H	(620.33)	619.99
I	(620.58)	620.44
J	(620.40)	620.35
K	(620.53)	(620.53)
L	(620.42)	(620.42)
M	(620.47)	620.05
N	(620.57)	620.02
O	(620.63)	620.53
P	(620.15)	620.45
Q	(620.60)	(620.60)
R	(620.42)	(620.42)
S	(620.30)	620.34

SEGMENT	LENGTH (FT)	SLOPE (%)
D-A	7.91	0.64%
H-D	2.00	0.00%
N-A	5.29	1.50%
G-H	6.51	1.00%
G-M	2.29	0.50%
M-N	3.92	0.64%
K-I	5.75	1.50%
I-G	6.85	5.67%
K-L	(6.51)	(1.69%)
I-J	6.51	1.50%
J-H	6.85	5.22%
S-D	8.67	4.00%
O-N	6.59	7.67%
Q-O	5.00	1.50%
P-A	6.59	7.67%
R-P	5.00	-0.50%
O-P	5.35	1.50%
Q-R	(5.35)	(3.37%)



NOTE: REFER TO ROADWAY AND PAVEMENT MARKING PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK: #5299 (ELEV. 620.75 FT)  
 BENCHMARK: SQUARE AT THE SOUTHWEST CORNER OF TRAFFIC CONTROL BOX  
 LOCATION: NORTHEAST CORNER OF NILES CENTER RD. & MAIN ST.

**LEGEND**

- (XX.XX) EXISTING LENGTH/ELEVATION
- ===== PROPOSED SIDE CURB
- (%) EXISTING SLOPE
- ┌──XX.XX──┐ REFERENCE POINT LENGTH
- [Solid Grey Box] PROPOSED SIDEWALK
- [Dotted Box] DETECTABLE WARNINGS
- [Cross-hatched Box] SIDEWALK REMOVAL  
REPLACE WITH TOPSOIL AND SOD
- [Diagonal-hatched Box] DEPRESSED CURB AND GUTTER



USER NAME = lsupencheck	DESIGNED - LLS/EEC	REVISED -
DRAWN - LLS/EEC	REVISIONS	
PLOT SCALE = 10.0000' / in.	CHECKED - RO/LLS	REVISED -
PLOT DATE = 03/18/2019	DATE - 03/12/2019	REVISED -

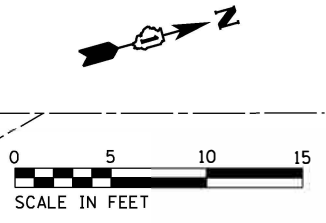
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS  
NILES CENTER ROAD AND TERMINAL AVENUE

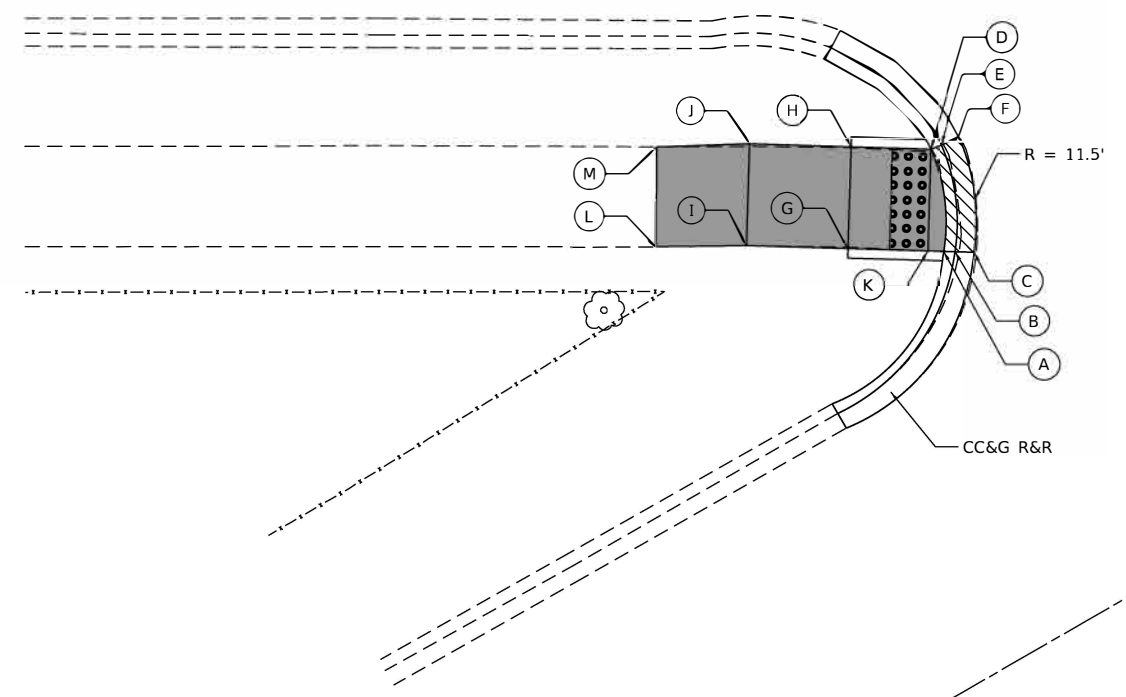
SCALE: 1"=5' SHEET 1 OF 1 SHEETS STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2798	2018-014-R5-SW	COOK	64	32
CONTRACT NO. 62G76			ILLINOIS FED. AID PROJECT	

MODEL: D:\draft\... FILE NAME: J:\18038 W01304 CADD\CADD\_Sheets\18038-R5-SW-01.dwg



# NILES CENTER RD



POINT	EX. ELEV.	PR. ELEV.
A	(620.14)	619.83
B	(620.04)	619.79
C	(619.79)	619.80
D	(620.08)	619.88
E	(620.03)	619.84
F	(619.86)	619.85
G	(620.41)	620.15
H	(620.29)	620.13
I	(620.56)	620.23
J	(620.40)	620.21
K	(620.19)	619.84
L	(620.56)	(620.56)
M	(620.28)	(620.28)

SEGMENT	LENGTH (FT)	SLOPE (%)
D-K	5.30	0.75%
K-A	0.80	1.25%
H-D	4.20	5.95%
G-K	4.20	7.38%
H-G	5.30	-0.38%
J-H	5.30	1.51%
I-G	5.30	1.51%
J-I	(5.30)	-(0.38%)
M-J	4.70	1.49%
L-I	4.70	7.02%
M-L	(5.20)	-(5.38%)

# LEE STREET

NOTE: REFER TO ROADWAY AND PAVEMENT MARKING PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK: #5379 (ELEV. 621.24 FT)  
 BENCHMARK: X-CUT ON SOUTHWEST LOWER BOLT ON FIRE HYDRANT  
 LOCATION: SOUTHWEST CORNER OF NILES CENTER RD. & WRIGHT ST.

### LEGEND

- (XX.XX) EXISTING LENGTH/ELEVATION
- ===== PROPOSED SIDE CURB
- (%) EXISTING SLOPE
- ┌──XX.XX──┐ REFERENCE POINT LENGTH
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL  
REPLACE WITH TOPSOIL AND SOD
- DEPRESSED CURB AND GUTTER

MODEL: Default  
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PLOT DATE = 03/12/2019	CHECKED - RO/LLS	REVISIONS -
	DATE - 03/12/2019	REVISIONS -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS  
NILES CENTER ROAD AND LEE STREET

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

F.A.U. RTE. 2798	SECTION 2018-014-R5-SW	COUNTY COOK	TOTAL SHEETS 64	SHEET NO. 33
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62G76	

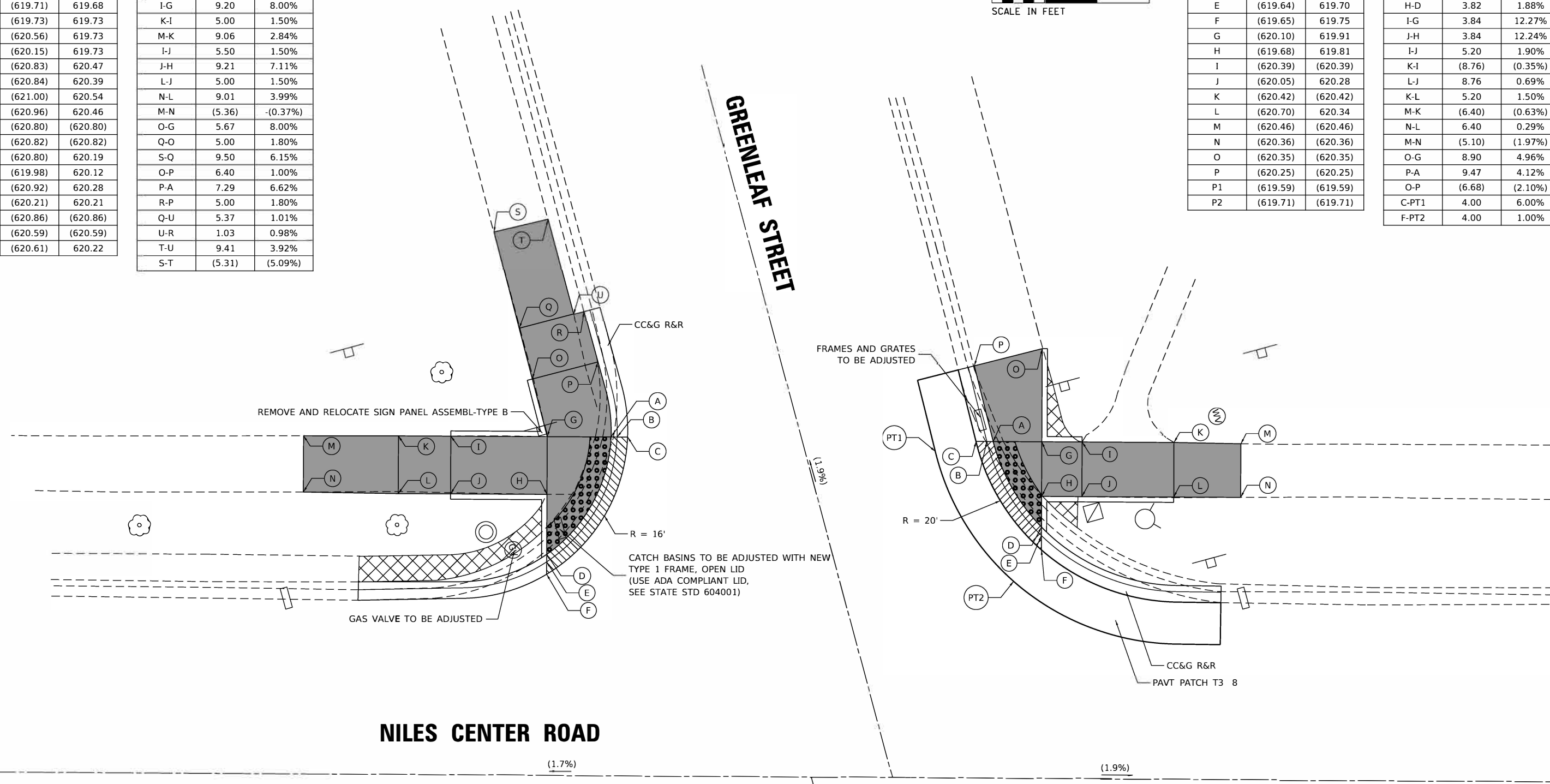
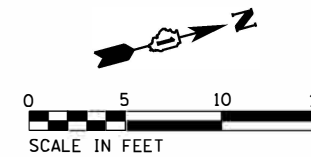


POINT	EX. ELEV.	PR. ELEV.
A	(619.69)	619.64
B	(619.66)	619.60
C	(619.65)	619.65
D	(619.69)	619.72
E	(619.71)	619.68
F	(619.73)	619.73
G	(620.56)	619.73
H	(620.15)	619.73
I	(620.83)	620.47
J	(620.84)	620.39
K	(621.00)	620.54
L	(620.96)	620.46
M	(620.80)	(620.80)
N	(620.82)	(620.82)
O	(620.80)	620.19
P	(619.98)	620.12
Q	(620.92)	620.28
R	(620.21)	620.21
S	(620.86)	(620.86)
T	(620.59)	(620.59)
U	(620.61)	620.22

SEGMENT	LENGTH (FT)	SLOPE (%)
D-A	13.22	0.61%
G-A	6.09	1.50%
G-H	5.50	0.00%
H-D	5.71	0.22%
I-G	9.20	8.00%
K-I	5.00	1.50%
M-K	9.06	2.84%
I-J	5.50	1.50%
J-H	9.21	7.11%
L-J	5.00	1.50%
N-L	9.01	3.99%
M-N	(5.36)	-(0.37%)
O-G	5.67	8.00%
Q-O	5.00	1.80%
S-Q	9.50	6.15%
O-P	6.40	1.00%
P-A	7.29	6.62%
R-P	5.00	1.80%
Q-U	5.37	1.01%
U-R	1.03	0.98%
T-U	9.41	3.92%
S-T	(5.31)	(5.09%)

POINT	EX. ELEV.	PR. ELEV.
A	(619.70)	619.82
B	(619.59)	619.78
C	(619.59)	619.83
D	(619.63)	619.74
E	(619.64)	619.70
F	(619.65)	619.75
G	(620.10)	619.91
H	(619.68)	619.81
I	(620.39)	(620.39)
J	(620.05)	620.28
K	(620.42)	(620.42)
L	(620.70)	620.34
M	(620.46)	(620.46)
N	(620.36)	(620.36)
O	(620.35)	(620.35)
P	(620.25)	(620.25)
P1	(619.59)	(619.59)
P2	(619.71)	(619.71)

SEGMENT	LENGTH (FT)	SLOPE (%)
A-D	10.78	-0.74%
C-F	13.33	-0.60%
G-A	4.64	1.90%
G-H	5.21	1.88%
H-D	3.82	1.88%
I-G	3.84	12.27%
J-H	3.84	12.24%
I-J	5.20	1.90%
K-I	(8.76)	(0.35%)
L-J	8.76	0.69%
K-L	5.20	1.50%
M-K	(6.40)	(0.63%)
N-L	6.40	0.29%
M-N	(5.10)	(1.97%)
O-G	8.90	4.96%
P-A	9.47	4.12%
O-P	(6.68)	(2.10%)
C-PT1	4.00	6.00%
F-PT2	4.00	1.00%



NOTE: REFER TO ROADWAY AND PAVEMENT MARKING PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK: #6133 (ELEV. 622.55 FT)  
 BENCHMARK: X-CUT ON WEST BOLT ON FIRE HYDRANT  
 LOCATION: NORTHWEST CORNER OF NILES CENTER RD. & GREENLEAF ST.

LEGEND	
(XX.XX)	EXISTING LENGTH/ELEVATION
==	PROPOSED SIDE CURB
(%)	EXISTING SLOPE
— XX.XX —	REFERENCE POINT LENGTH
[Solid Grey Box]	PROPOSED SIDEWALK
[Dotted Box]	DETECTABLE WARNINGS
[Cross-hatched Box]	SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD
[Diagonal-hatched Box]	DEPRESSED CURB AND GUTTER



USER NAME = lsupencheck	DESIGNED - LLS	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - LLS	REVISED -
PLOT DATE = 03/18/2019	CHECKED - RO/LLS	REVISED -
	DATE - 03/12/2019	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS  
NILES CENTER ROAD AND GREENLEAF STREET

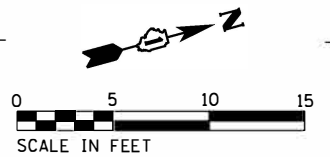
SCALE: 1"=5' SHEET 1 OF 1 SHEETS STA. N/A TO STA. N/A

F.A.U. RTE. 2798	SECTION 2018-014-R5-SW	COUNTY COOK	TOTAL SHEETS 64	SHEET NO. 35
CONTRACT NO. 62G76				
ILLINOIS FED. AID PROJECT				

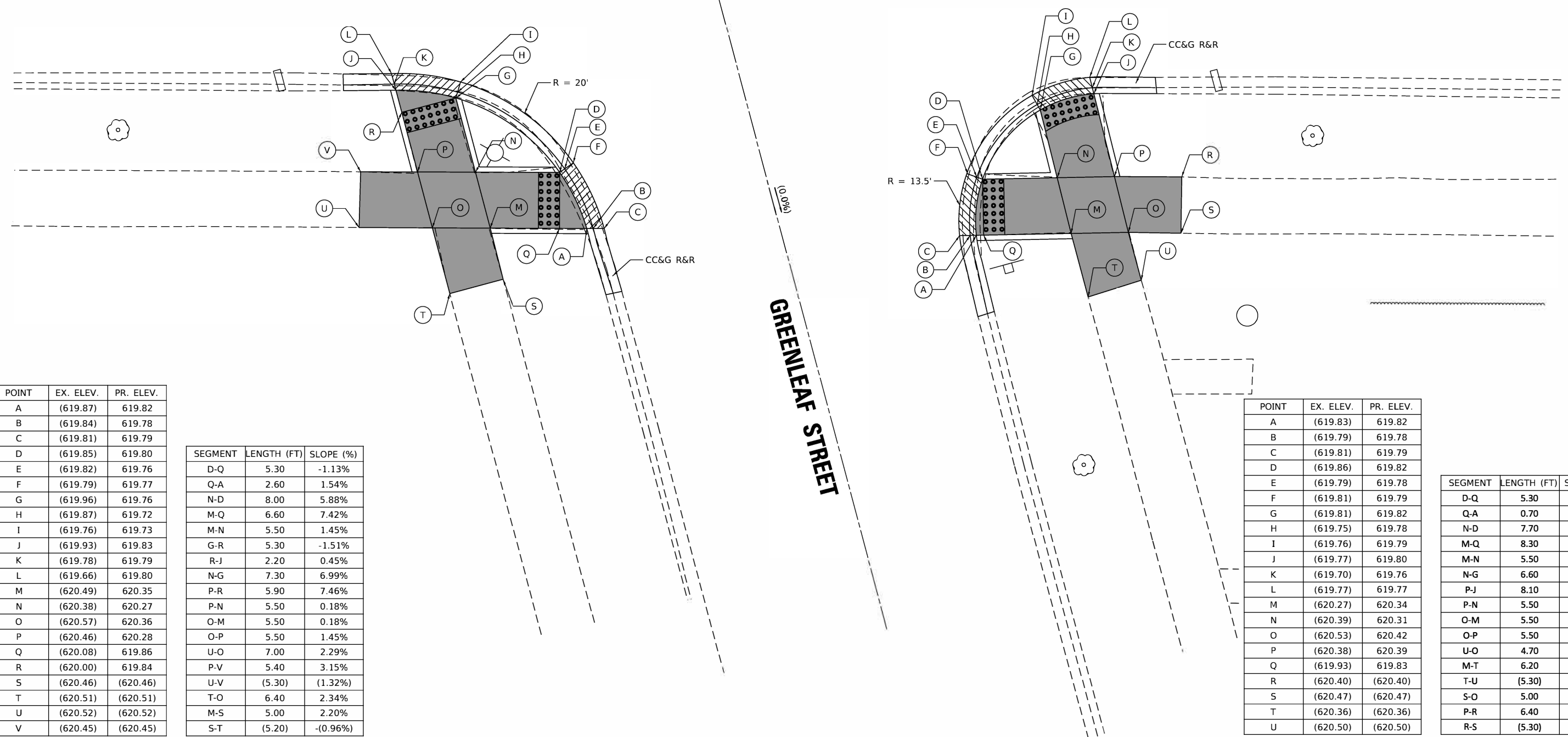
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(1.7%)

(1.9%)



# NILES CENTER ROAD



POINT	EX. ELEV.	PR. ELEV.
A	(619.87)	619.82
B	(619.84)	619.78
C	(619.81)	619.79
D	(619.85)	619.80
E	(619.82)	619.76
F	(619.79)	619.77
G	(619.96)	619.76
H	(619.87)	619.72
I	(619.76)	619.73
J	(619.93)	619.83
K	(619.78)	619.79
L	(619.66)	619.80
M	(620.49)	620.35
N	(620.38)	620.27
O	(620.57)	620.36
P	(620.46)	620.28
Q	(620.08)	619.86
R	(620.00)	619.84
S	(620.46)	(620.46)
T	(620.51)	(620.51)
U	(620.52)	(620.52)
V	(620.45)	(620.45)

SEGMENT	LENGTH (FT)	SLOPE (%)
D-Q	5.30	-1.13%
Q-A	2.60	1.54%
N-D	8.00	5.88%
M-Q	6.60	7.42%
M-N	5.50	1.45%
G-R	5.30	-1.51%
R-J	2.20	0.45%
N-G	7.30	6.99%
P-R	5.90	7.46%
P-N	5.50	0.18%
O-M	5.50	0.18%
O-P	5.50	1.45%
U-O	7.00	2.29%
P-V	5.40	3.15%
U-V	(5.30)	(1.32%)
T-O	6.40	2.34%
M-S	5.00	2.20%
S-T	(5.20)	(-0.96%)

POINT	EX. ELEV.	PR. ELEV.
A	(619.83)	619.82
B	(619.79)	619.78
C	(619.81)	619.79
D	(619.86)	619.82
E	(619.79)	619.78
F	(619.81)	619.79
G	(619.81)	619.82
H	(619.75)	619.78
I	(619.76)	619.79
J	(619.77)	619.80
K	(619.70)	619.76
L	(619.77)	619.77
M	(620.27)	620.34
N	(620.39)	620.31
O	(620.53)	620.42
P	(620.38)	620.39
Q	(619.93)	619.83
R	(620.40)	(620.40)
S	(620.47)	(620.47)
T	(620.36)	(620.36)
U	(620.50)	(620.50)

SEGMENT	LENGTH (FT)	SLOPE (%)
D-Q	5.30	-0.19%
Q-A	0.70	1.43%
N-D	7.70	6.36%
M-Q	8.30	6.14%
M-N	5.50	0.55%
N-G	6.60	7.42%
P-J	8.10	7.28%
P-N	5.50	1.45%
O-M	5.50	1.45%
O-P	5.50	0.55%
U-O	4.70	1.70%
M-T	6.20	0.32%
T-U	(5.30)	(-2.64%)
S-O	5.00	1.00%
P-R	6.40	0.16%
R-S	(5.30)	(-1.32%)

NOTE: REFER TO ROADWAY AND PAVEMENT MARKING PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK: #6133 (ELEV. 622.55 FT)  
 BENCHMARK: X-CUT ON WEST BOLT ON FIRE HYDRANT  
 LOCATION: NORTHWEST CORNER OF NILES CENTER RD. & GREENLEAF ST.

### LEGEND

- (XX.XX) EXISTING LENGTH/ELEVATION
- ===== PROPOSED SIDE CURB
- (%) EXISTING SLOPE
- ┌───┴───┐ REFERENCE POINT LENGTH
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL  
REPLACE WITH TOPSOIL AND SOD
- DEPRESSED CURB AND GUTTER

MODEL: Default  
FILE NAME: J:\1130138\_W013104\_CADD\CADD\_Sheets\016276-Int\details-adr-66-02.dgn



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PLOT SCALE = 10.0000' / in.	DRAWN - AA	REVISED -
PLOT DATE = 03/18/2019	CHECKED - RO/LLS	REVISED +
	DATE - 03/12/2019	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS  
NILES CENTER ROAD AND GREENLEAF STREET

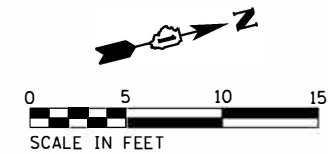
SCALE: 1"=5' SHEET 1 OF 1 SHEETS STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2798	2018-014-R5-SW	COOK	64	36
CONTRACT NO. 62G76				
ILLINOIS FED. AID PROJECT				



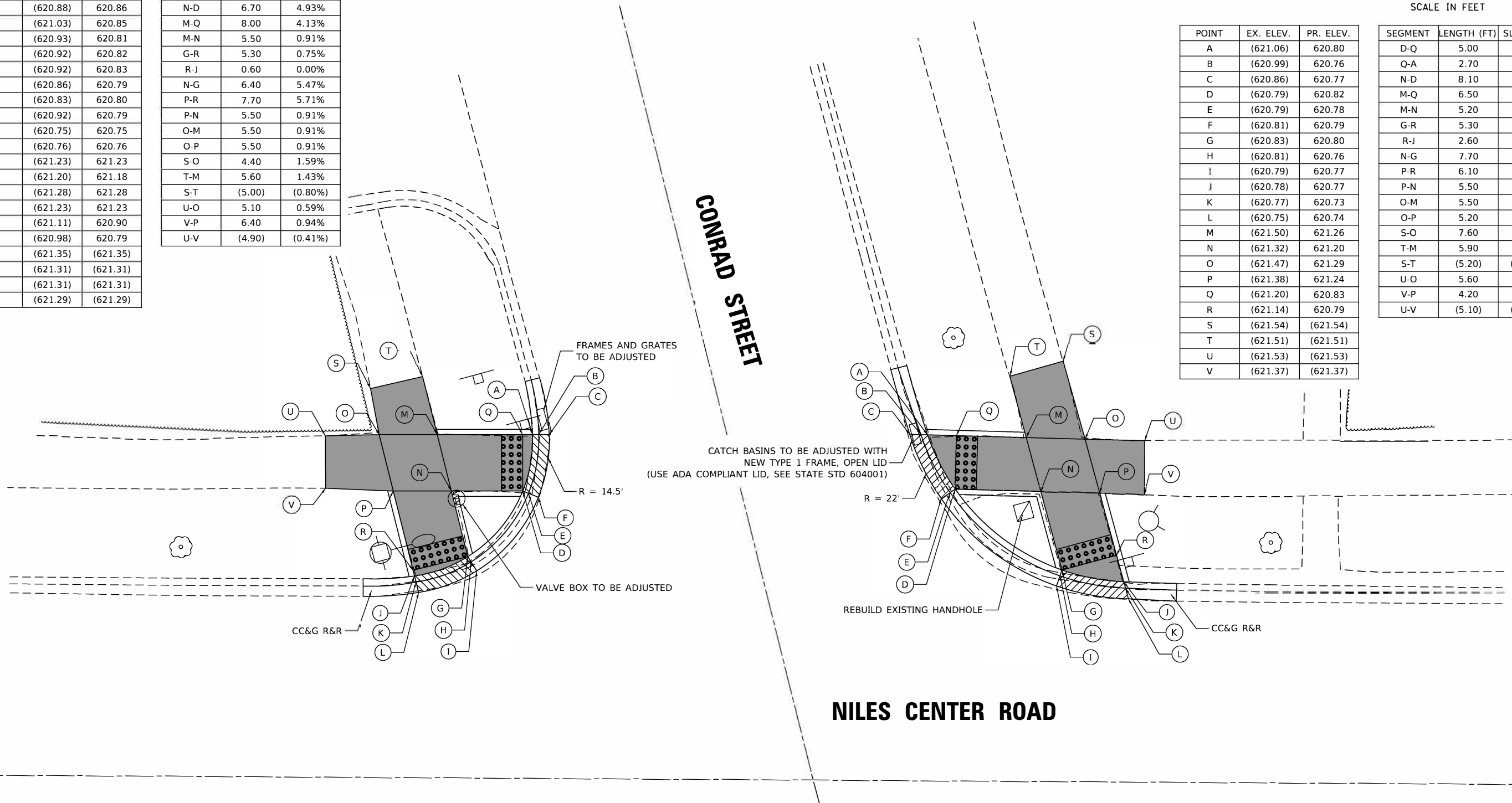
POINT	EX. ELEV.	PR. ELEV.
A	(621.05)	620.89
B	(620.89)	620.85
C	(620.88)	620.86
D	(621.03)	620.85
E	(620.93)	620.81
F	(620.92)	620.82
G	(620.92)	620.83
H	(620.86)	620.79
I	(620.83)	620.80
J	(620.92)	620.79
K	(620.75)	620.75
L	(620.76)	620.76
M	(621.23)	621.23
N	(621.20)	621.18
O	(621.28)	621.28
P	(621.23)	621.23
Q	(621.11)	620.90
R	(620.98)	620.79
S	(621.35)	(621.35)
T	(621.31)	(621.31)
U	(621.31)	(621.31)
V	(621.29)	(621.29)

SEGMENT	LENGTH (FT)	SLOPE (%)
D-Q	5.30	-0.94%
Q-A	0.90	1.11%
N-D	6.70	4.93%
M-Q	8.00	4.13%
M-N	5.50	0.91%
G-R	5.30	0.75%
R-J	0.60	0.00%
N-G	6.40	5.47%
P-R	7.70	5.71%
P-N	5.50	0.91%
O-M	5.50	0.91%
O-P	5.50	0.91%
S-O	4.40	1.59%
T-M	5.60	1.43%
S-T	(5.00)	(0.80%)
U-O	5.10	0.59%
V-P	6.40	0.94%
U-V	(4.90)	(0.41%)



POINT	EX. ELEV.	PR. ELEV.
A	(621.06)	620.80
B	(620.99)	620.76
C	(620.86)	620.77
D	(620.79)	620.82
E	(620.79)	620.78
F	(620.81)	620.79
G	(620.83)	620.80
H	(620.81)	620.76
I	(620.79)	620.77
J	(620.78)	620.77
K	(620.77)	620.73
L	(620.75)	620.74
M	(621.50)	621.26
N	(621.32)	621.20
O	(621.47)	621.29
P	(621.38)	621.24
Q	(621.20)	620.83
R	(621.14)	620.79
S	(621.54)	(621.54)
T	(621.51)	(621.51)
U	(621.53)	(621.53)
V	(621.37)	(621.37)

SEGMENT	LENGTH (FT)	SLOPE (%)
D-Q	5.00	-0.20%
Q-A	2.70	1.11%
N-D	8.10	4.69%
M-Q	6.50	6.62%
M-N	5.20	1.15%
G-R	5.30	0.19%
R-J	2.60	0.77%
N-G	7.70	5.19%
P-R	6.10	7.38%
P-N	5.50	0.73%
O-M	5.50	0.55%
O-P	5.20	0.96%
S-O	7.60	3.29%
T-M	5.90	4.24%
S-T	(5.20)	(0.58%)
U-O	5.60	4.29%
V-P	4.20	3.10%
U-V	(5.10)	(3.14%)



NOTE: REFER TO ROADWAY AND PAVEMENT MARKING PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK: #6664 (ELEV. 623.72 FT)  
 BENCHMARK: TOP OF FIRE HYDRANT  
 LOCATION: NORTHWEST CORNER OF NILES CENTER RD. & CONRAD ST.

**LEGEND**

- (XX.XX) EXISTING LENGTH/ELEVATION
- ===== PROPOSED SIDE CURB
- (%) EXISTING SLOPE
- XX.XX REFERENCE POINT LENGTH
- [Solid Grey] PROPOSED SIDEWALK
- [Dotted Pattern] DETECTABLE WARNINGS
- [Cross-hatch Pattern] SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD
- [Diagonal Line Pattern] DEPRESSED CURB AND GUTTER

MODEL: Defn.dwg FILE: NAME: J:\11803B\W013104\_CADD\CADD\_Sheets\0162G76-ADA\details-adr-62G76-01.dwg



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DRAWN - EEC	CHECKED - RO/LLS	REVISION -
PLOT SCALE = 10.0000' / in.	DATE - 03/12/2019	
PLOT DATE = 03/18/2019		

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

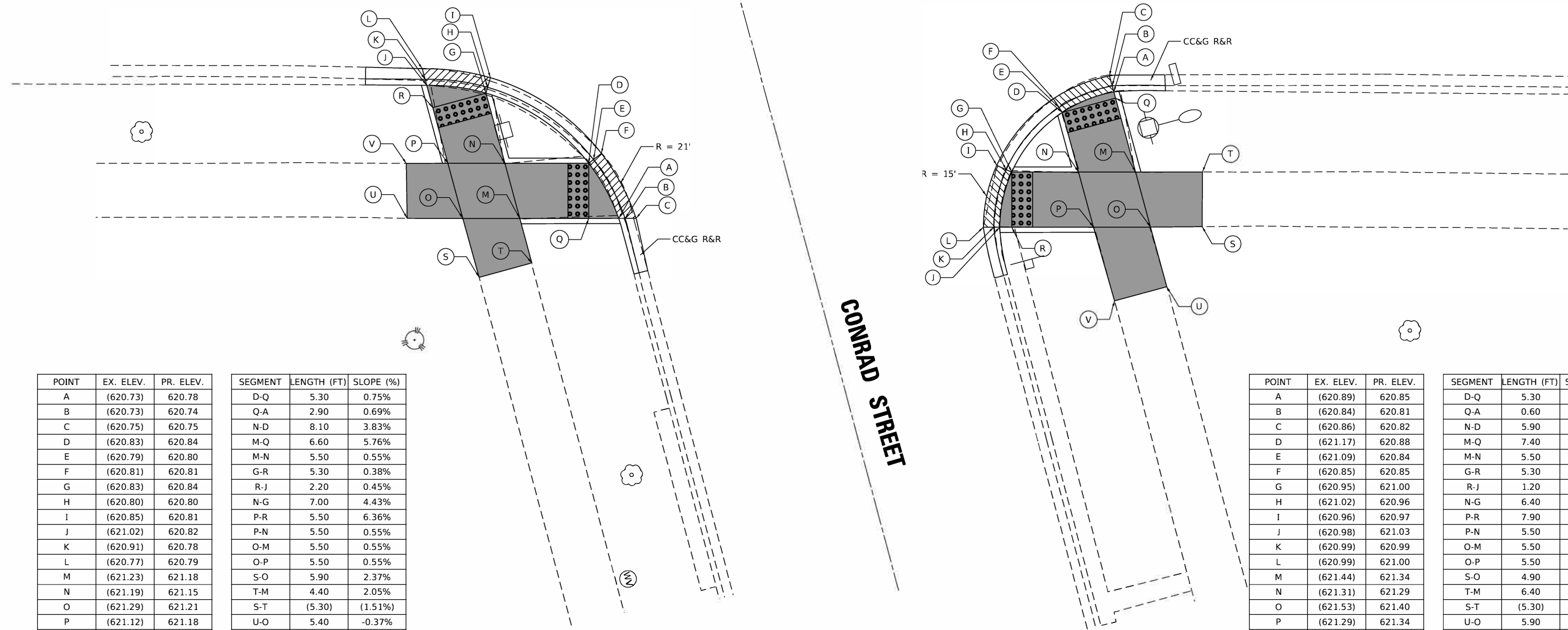
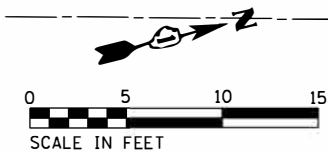
ADA RAMP DETAILS  
NILES CENTER ROAD AND CONRAD STREET

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

F.A.U. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2798	2018-014-R5-SW	COOK	37	37

CONTRACT NO. 62G76  
ILLINOIS FED. AID PROJECT

# NILES CENTER ROAD



POINT	EX. ELEV.	PR. ELEV.
A	(620.73)	620.78
B	(620.73)	620.74
C	(620.75)	620.75
D	(620.83)	620.84
E	(620.79)	620.80
F	(620.81)	620.81
G	(620.83)	620.84
H	(620.80)	620.80
I	(620.85)	620.81
J	(621.02)	620.82
K	(620.91)	620.78
L	(620.77)	620.79
M	(621.23)	621.18
N	(621.19)	621.15
O	(621.29)	621.21
P	(621.12)	621.18
Q	(621.00)	620.80
R	(620.96)	620.83
S	(621.35)	(621.35)
T	(621.27)	(621.27)
U	(621.19)	(621.19)
V	(621.10)	(621.10)

SEGMENT	LENGTH (FT)	SLOPE (%)
D-Q	5.30	0.75%
Q-A	2.90	0.69%
N-D	8.10	3.83%
M-Q	6.60	5.76%
M-N	5.50	0.55%
G-R	5.30	0.38%
R-J	2.20	0.45%
N-G	7.00	4.43%
P-R	5.50	6.36%
P-N	5.50	0.55%
O-M	5.50	0.55%
O-P	5.50	0.55%
S-O	5.90	2.37%
T-M	4.40	2.05%
S-T	(5.30)	(1.51%)
U-O	5.40	-0.37%
V-P	4.00	-2.00%
U-V	(5.30)	(1.70%)

POINT	EX. ELEV.	PR. ELEV.
A	(620.89)	620.85
B	(620.84)	620.81
C	(620.86)	620.82
D	(621.17)	620.88
E	(621.09)	620.84
F	(620.85)	620.85
G	(620.95)	621.00
H	(621.02)	620.96
I	(620.96)	620.97
J	(620.98)	621.03
K	(620.99)	620.99
L	(620.99)	621.00
M	(621.44)	621.34
N	(621.31)	621.29
O	(621.53)	621.40
P	(621.29)	621.34
Q	(621.09)	620.85
R	(621.11)	621.04
S	(621.50)	(621.50)
T	(621.48)	(621.48)
U	(621.56)	(621.56)
V	(621.40)	(621.40)

SEGMENT	LENGTH (FT)	SLOPE (%)
D-Q	5.30	0.57%
Q-A	0.60	0.00%
N-D	5.90	6.95%
M-Q	7.40	6.62%
M-N	5.50	0.91%
G-R	5.30	-0.75%
R-J	1.20	0.83%
N-G	6.40	4.53%
P-R	7.90	3.80%
P-N	5.50	0.91%
O-M	5.50	1.09%
O-P	5.50	1.09%
S-O	4.90	2.04%
T-M	6.40	2.19%
S-T	(5.30)	(0.38%)
U-O	5.90	2.71%
V-P	7.40	0.81%
U-V	(5.30)	(3.02%)

NOTE: REFER TO ROADWAY AND PAVEMENT MARKING PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK: #6664 (ELEV. 623.72 FT)  
 BENCHMARK: TOP OF FIRE HYDRANT  
 LOCATION: NORTHWEST CORNER OF NILES CENTER RD. & CONRAD ST.

### LEGEND

- (XX.XX) EXISTING LENGTH/ELEVATION
- ===== PROPOSED SIDE CURB
- (%) EXISTING SLOPE
- ┌──XX.XX──┐ REFERENCE POINT LENGTH
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL  
REPLACE WITH TOPSOIL AND SOD
- DEPRESSED CURB AND GUTTER

MODEL: Default  
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PLOT DATE = 03/18/2019	CHECKED - RO/LLS	REVISED +
	DATE - 03/12/2019	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

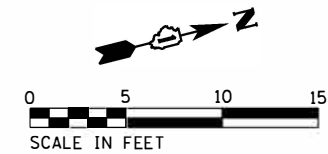
ADA RAMP DETAILS  
NILES CENTER ROAD AND CONRAD STREET

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2798	2018-014-R5-SW	COOK	64	38
CONTRACT NO. 62G76				
ILLINOIS FED. AID PROJECT				

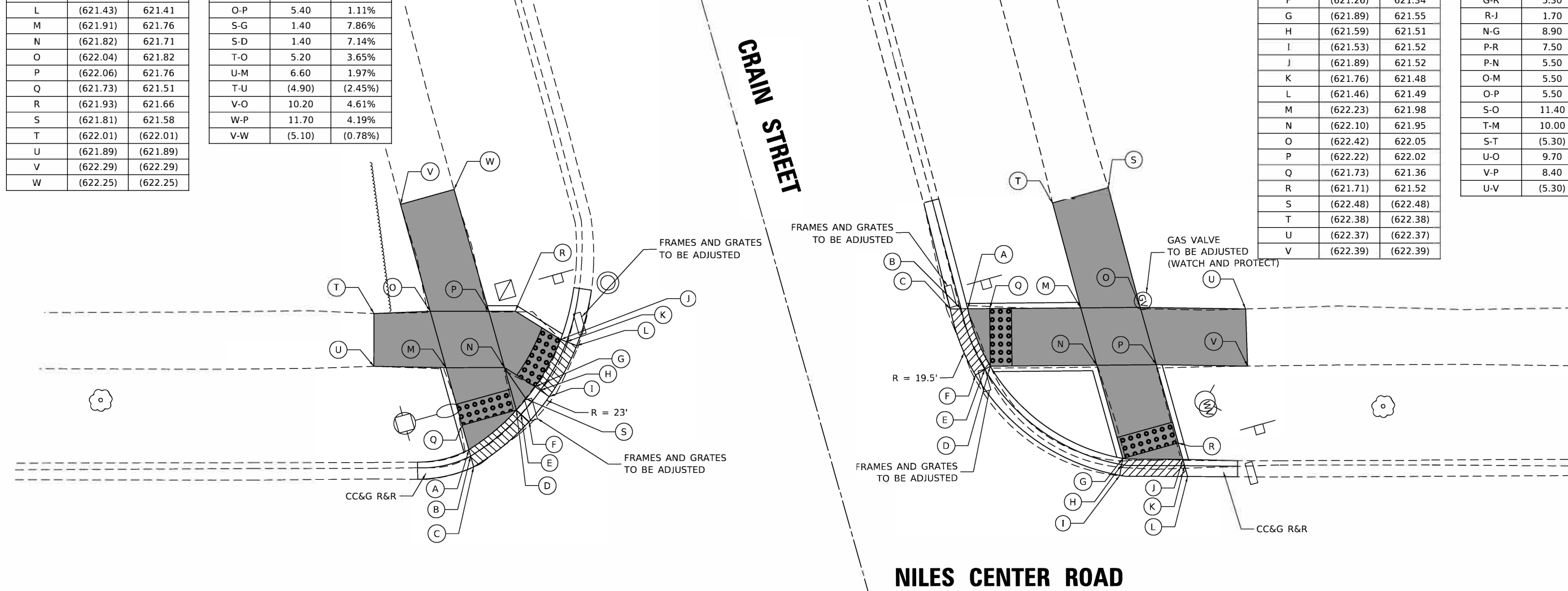
POINT	EX. ELEV.	PR. ELEV.
A	(621.55)	621.50
B	(621.53)	621.46
C	(621.47)	621.47
D	(621.71)	621.48
E	(621.69)	621.44
F	(621.49)	621.45
G	(621.75)	621.47
H	(621.44)	621.43
I	(621.43)	621.44
J	(621.70)	621.44
K	(621.58)	621.40
L	(621.43)	621.41
M	(621.91)	621.76
N	(621.82)	621.71
O	(622.04)	621.82
P	(622.06)	621.76
Q	(621.73)	621.51
R	(621.93)	621.66
S	(621.81)	621.58
T	(622.01)	(622.01)
U	(621.89)	(621.89)
V	(622.29)	(622.29)
W	(622.25)	(622.25)

SEGMENT	LENGTH (FT)	SLOPE (%)
D-Q	5.20	-0.58%
Q-A	2.30	0.43%
N-D	4.10	5.61%
M-Q	5.50	4.55%
M-N	5.40	-0.93%
G-J	4.90	0.61%
R-J	4.90	4.49%
N-G	3.30	7.27%
P-R	2.40	4.17%
P-N	5.40	-0.93%
O-M	5.40	1.11%
O-P	5.40	1.11%
S-G	1.40	7.86%
S-D	1.40	7.14%
T-O	5.20	3.65%
U-M	6.60	1.97%
T-U	(4.90)	(2.45%)
V-O	10.20	4.61%
W-P	11.70	4.19%
V-W	(5.10)	(0.78%)



POINT	EX. ELEV.	PR. ELEV.
A	(621.60)	621.35
B	(621.32)	621.31
C	(621.36)	621.32
D	(621.58)	621.37
E	(621.46)	621.33
F	(621.26)	621.34
G	(621.89)	621.55
H	(621.59)	621.51
I	(621.53)	621.52
J	(621.89)	621.52
K	(621.76)	621.48
L	(621.46)	621.49
M	(622.23)	621.98
N	(622.10)	621.95
O	(622.42)	622.05
P	(622.22)	622.02
Q	(621.73)	621.36
R	(621.71)	621.52
S	(622.48)	(622.48)
T	(622.38)	(622.38)
U	(622.37)	(622.37)
V	(622.39)	(622.39)

SEGMENT	LENGTH (FT)	SLOPE (%)
D-Q	5.30	0.19%
Q-A	2.00	0.50%
N-D	9.80	5.92%
M-Q	8.40	7.38%
M-N	5.50	-0.55%
G-R	5.30	0.57%
R-J	1.70	0.00%
N-G	8.90	4.49%
P-R	7.50	6.67%
P-N	5.50	-1.27%
O-M	5.50	1.27%
O-P	5.50	0.55%
S-O	11.40	3.77%
T-M	10.00	4.00%
S-T	(5.30)	(1.89%)
U-O	9.70	3.30%
V-P	8.40	4.40%
U-V	(5.30)	-(0.38%)



NOTE: REFER TO ROADWAY AND PAVEMENT MARKING PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK: #6924 (ELEV. 623.81 FT) & #7167 (ELEV. 623.83 FT)  
 BENCHMARK: X-CUT ON NORTHWEST BOLT ON FIRE HYDRANT  
 LOCATION: NORTHWEST CORNER OF NILES CENTER RD. & CRAIN ST.

**LEGEND**

(XX.XX)	EXISTING LENGTH/ELEVATION		PROPOSED SIDEWALK
	PROPOSED SIDE CURB		DETECTABLE WARNINGS
(%)	EXISTING SLOPE		SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD
	REFERENCE POINT LENGTH		DEPRESSED CURB AND GUTTER

MODEL: Default  
FILE NAME: J:\1130318\_04\CADD\CADD\_Sheets\0162G76-ADA-Details-ada-04-01.dgn



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PLOT DATE = 03/18/2019	CHECKED - RO/LLS	REVISED -
	DATE - 03/12/2019	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS  
NILES CENTER ROAD AND CRAIN STREET

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2798	2018-014-R5-SW	COOK	64	39
CONTRACT NO. 62G76				
ILLINOIS FED. AID PROJECT				

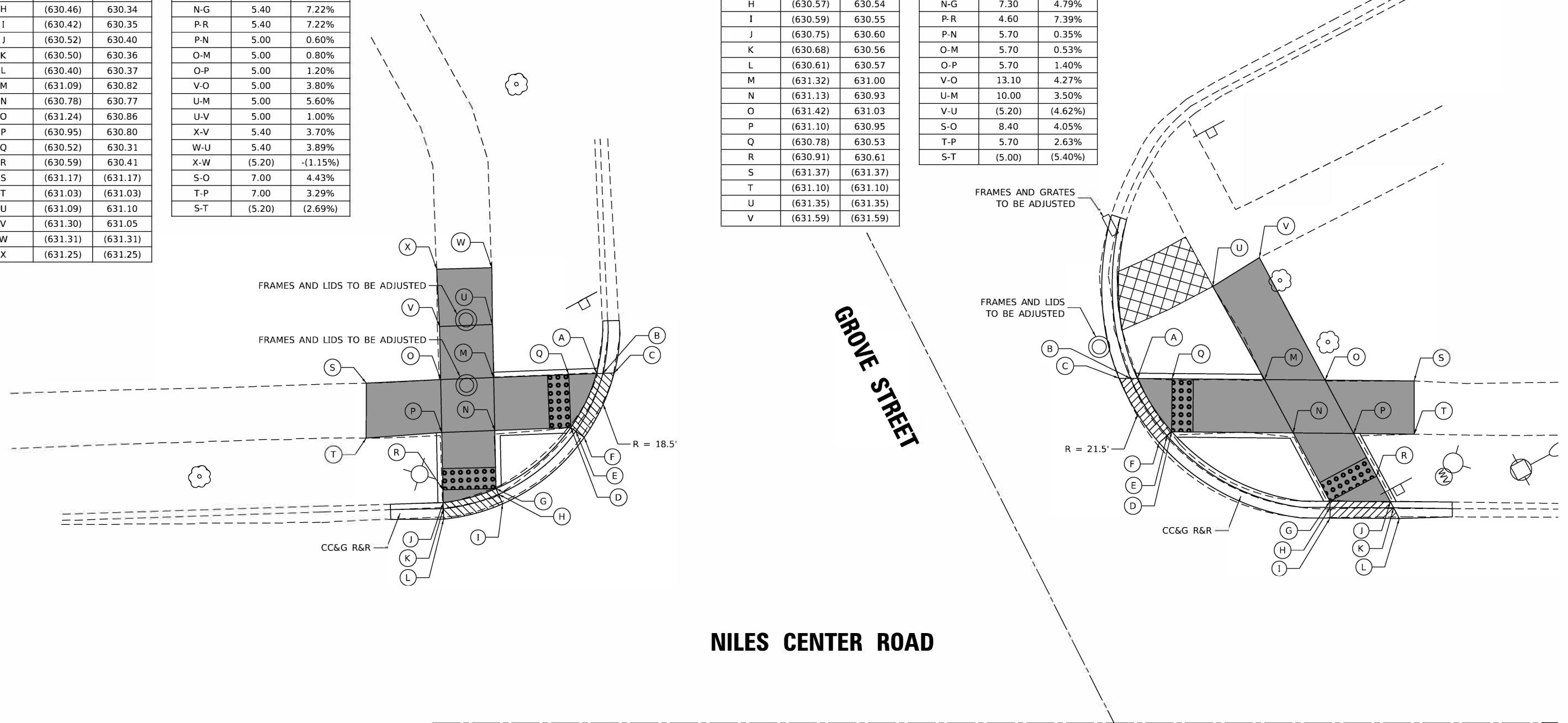
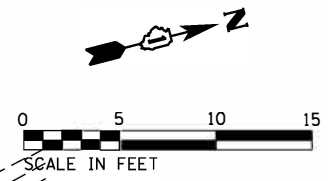


POINT	EX. ELEV.	PR. ELEV.
A	(630.38)	630.28
B	(630.28)	630.24
C	(630.33)	630.25
D	(630.31)	630.25
E	(630.33)	630.21
F	(630.33)	630.22
G	(630.46)	630.38
H	(630.46)	630.34
I	(630.42)	630.35
J	(630.52)	630.40
K	(630.50)	630.36
L	(630.40)	630.37
M	(631.09)	630.82
N	(630.78)	630.77
O	(631.24)	630.86
P	(630.95)	630.80
Q	(630.52)	630.31
R	(630.59)	630.41
S	(631.17)	(631.17)
T	(631.03)	(631.03)
U	(631.09)	631.10
V	(631.30)	631.05
W	(631.31)	(631.31)
X	(631.25)	(631.25)

SEGMENT	LENGTH (FT)	SLOPE (%)
D-Q	5.00	-1.20%
Q-A	2.60	1.15%
N-D	7.20	7.22%
M-Q	7.20	7.08%
M-N	5.00	1.00%
G-R	5.00	-0.60%
R-J	1.20	0.83%
N-G	5.40	7.22%
P-R	5.40	7.22%
P-N	5.00	0.60%
O-M	5.00	0.80%
O-P	5.00	1.20%
V-O	5.00	3.80%
U-M	5.00	5.60%
U-V	5.00	1.00%
X-V	5.40	3.70%
W-U	5.40	3.89%
X-W	(5.20)	-(1.15%)
S-O	7.00	4.43%
T-P	7.00	3.29%
S-T	(5.20)	(2.69%)

POINT	EX. ELEV.	PR. ELEV.
A	(630.60)	630.50
B	(630.55)	630.46
C	(630.57)	630.47
D	(630.55)	630.55
E	(630.48)	630.51
F	(630.56)	630.52
G	(630.72)	630.58
H	(630.57)	630.54
I	(630.59)	630.55
J	(630.75)	630.60
K	(630.68)	630.56
L	(630.61)	630.57
M	(631.32)	631.00
N	(631.13)	630.93
O	(631.42)	631.03
P	(631.10)	630.95
Q	(630.78)	630.53
R	(630.91)	630.61
S	(631.37)	(631.37)
T	(631.10)	(631.10)
U	(631.35)	(631.35)
V	(631.59)	(631.59)

SEGMENT	LENGTH (FT)	SLOPE (%)
D-Q	5.00	0.40%
Q-A	3.30	0.91%
N-D	11.50	3.30%
M-Q	8.70	5.40%
M-N	5.70	1.23%
G-R	5.00	-0.60%
R-J	2.70	0.37%
N-G	7.30	4.79%
P-R	4.60	7.39%
P-N	5.70	0.35%
O-M	5.70	0.53%
O-P	5.70	1.40%
V-O	13.10	4.27%
U-M	10.00	3.50%
V-U	(5.20)	(4.62%)
S-O	8.40	4.05%
T-P	5.70	2.63%
S-T	(5.00)	(5.40%)



NOTE: REFER TO ROADWAY AND PAVEMENT MARKING PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK: #7507 (ELEV. 633.58 FT)  
 BENCHMARK: SOUTHWEST BOLT OF FIRE HYDRANT  
 LOCATION: NORTHWEST CORNER OF NILES CENTER RD. & GROVE ST.

**LEGEND**

(XX.XX)	EXISTING LENGTH/ELEVATION		PROPOSED SIDEWALK
==	PROPOSED SIDE CURB		DETECTABLE WARNINGS
(%)	EXISTING SLOPE		SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD
— XX.XX —	REFERENCE POINT LENGTH		DEPRESSED CURB AND GUTTER

NOTE: ADA RAMP AT SE AND NE CORNERS OF GROVE ST ARE ADA COMPLIANT.



USER NAME = isupencheck	DESIGNED - EEC	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - EEC	REVISED -
PLOT DATE = 03/18/2019	CHECKED - RO/LLS	REVISED -
	DATE - 03/12/2019	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS  
NILES CENTER ROAD AND GROVE STREET

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2798	2018-014-R5-SW	COOK	64	41
CONTRACT NO. 62G76				

ILLINOIS FED. AID PROJECT

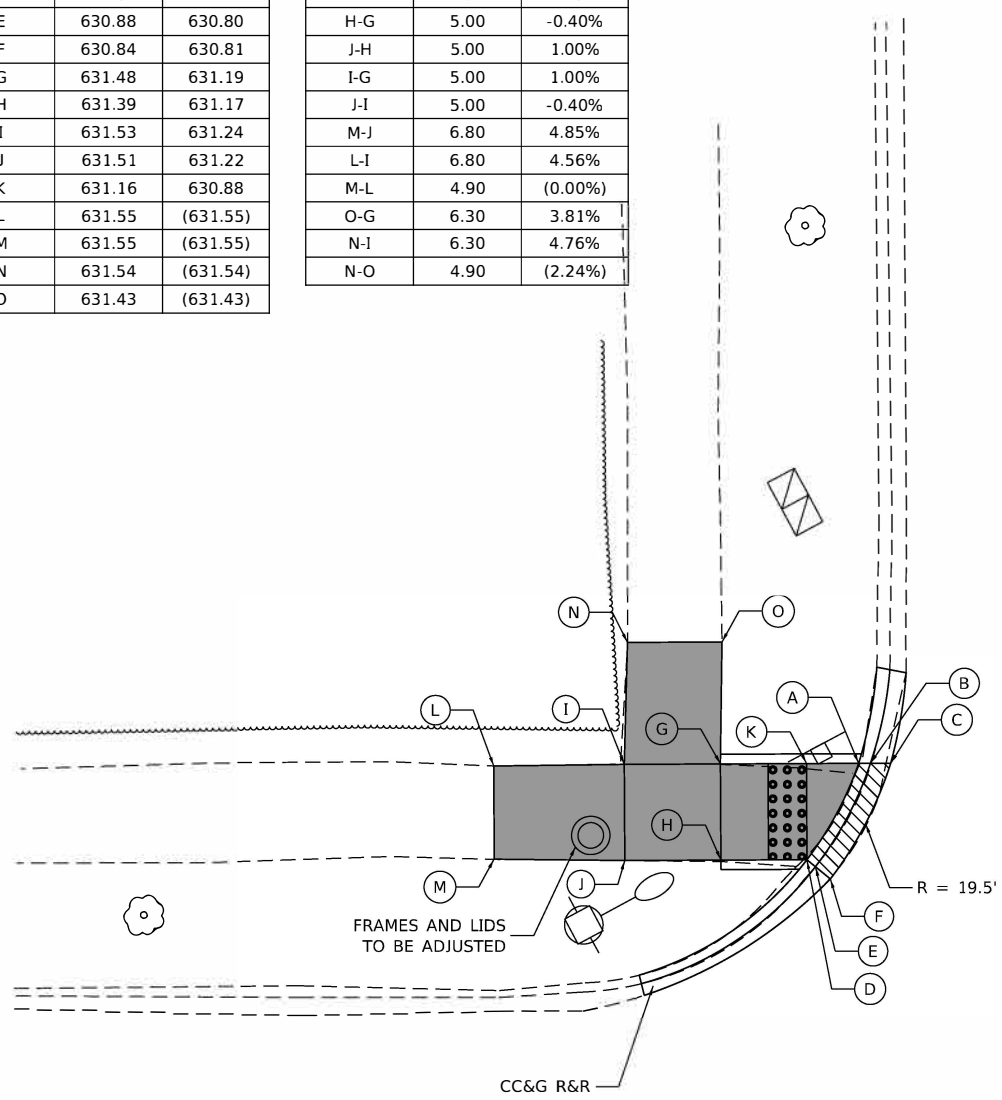
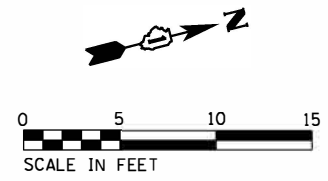
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POINT	EX. ELEV.	PR. ELEV.
A	630.99	630.87
B	630.94	630.83
C	630.82	630.84
D	630.91	630.84
E	630.88	630.80
F	630.84	630.81
G	631.48	631.19
H	631.39	631.17
I	631.53	631.24
J	631.51	631.22
K	631.16	630.88
L	631.55	(631.55)
M	631.55	(631.55)
N	631.54	(631.54)
O	631.43	(631.43)

SEGMENT	LENGTH (FT)	SLOPE (%)
D-K	5.00	-0.80%
K-A	2.70	0.37%
H-D	4.50	7.33%
G-K	4.50	6.89%
H-G	5.00	-0.40%
J-H	5.00	1.00%
I-G	5.00	1.00%
J-I	5.00	-0.40%
M-J	6.80	4.85%
L-I	6.80	4.56%
M-L	4.90	(0.00%)
O-G	6.30	3.81%
N-I	6.30	4.76%
N-O	4.90	(2.24%)

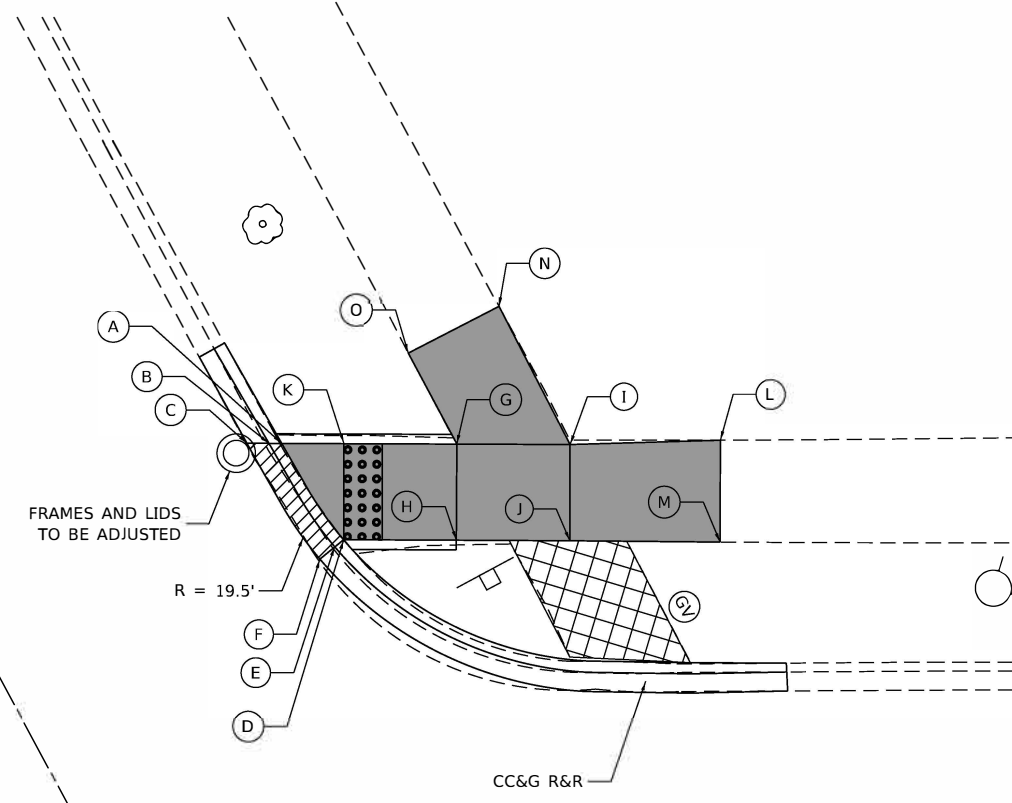
POINT	EX. ELEV.	PR. ELEV.
A	(631.25)	631.07
B	(631.20)	631.03
C	(631.17)	631.04
D	(631.23)	631.08
E	(631.11)	631.04
F	(631.22)	631.05
G	(631.69)	631.54
H	(631.53)	631.49
I	(631.85)	631.60
J	(631.57)	631.55
K	(631.39)	631.10
L	(631.62)	(631.62)
M	(631.78)	(631.78)
N	(631.67)	(631.67)
O	(631.63)	(631.63)

SEGMENT	LENGTH (FT)	SLOPE (%)
D-K	5.00	-0.40%
K-A	3.20	0.94%
H-D	5.90	6.95%
G-K	5.90	7.46%
H-G	5.00	-1.00%
J-H	5.90	1.02%
I-G	5.90	1.02%
J-I	5.00	-1.00%
M-J	7.80	2.95%
L-I	7.80	0.26%
M-L	5.30	(3.02%)
O-G	5.40	1.67%
N-I	8.10	0.86%
N-O	5.30	(0.75%)



**NILES CENTER ROAD**

**DAVIS STREET**



NOTE: REFER TO ROADWAY AND PAVEMENT MARKING PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK: #7814 (ELEV. 634.19 FT)  
 BENCHMARK: TOP OF SPINDAL OF FIRE HYDRANT  
 LOCATION: NORTHWEST CORNER OF NILES CENTER RD. & DAVIS ST.

**LEGEND**

- (XX.XX) EXISTING LENGTH/ELEVATION
- ===== PROPOSED SIDE CURB
- (%) EXISTING SLOPE
- ┌──XX.XX──┐ REFERENCE POINT LENGTH
- [Solid Grey Box] PROPOSED SIDEWALK
- [Stippled Box] DETECTABLE WARNINGS
- [Hatched Box] SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD
- [Diagonal Lines Box] DEPRESSED CURB AND GUTTER

NOTE: ADA RAMP AT SE AND NE CORNERS OF DAVIS ST ARE ADA COMPLIANT.

MODEL: Default  
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USER NAME = lsupencheck	DESIGNED - EEC	REVISED -
	DRAWN - EEC	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - RO/LLS	REVISED -
PLOT DATE = 03/18/2019	DATE - 03/12/2019	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS  
NILES CENTER ROAD AND DAVIS STREET

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

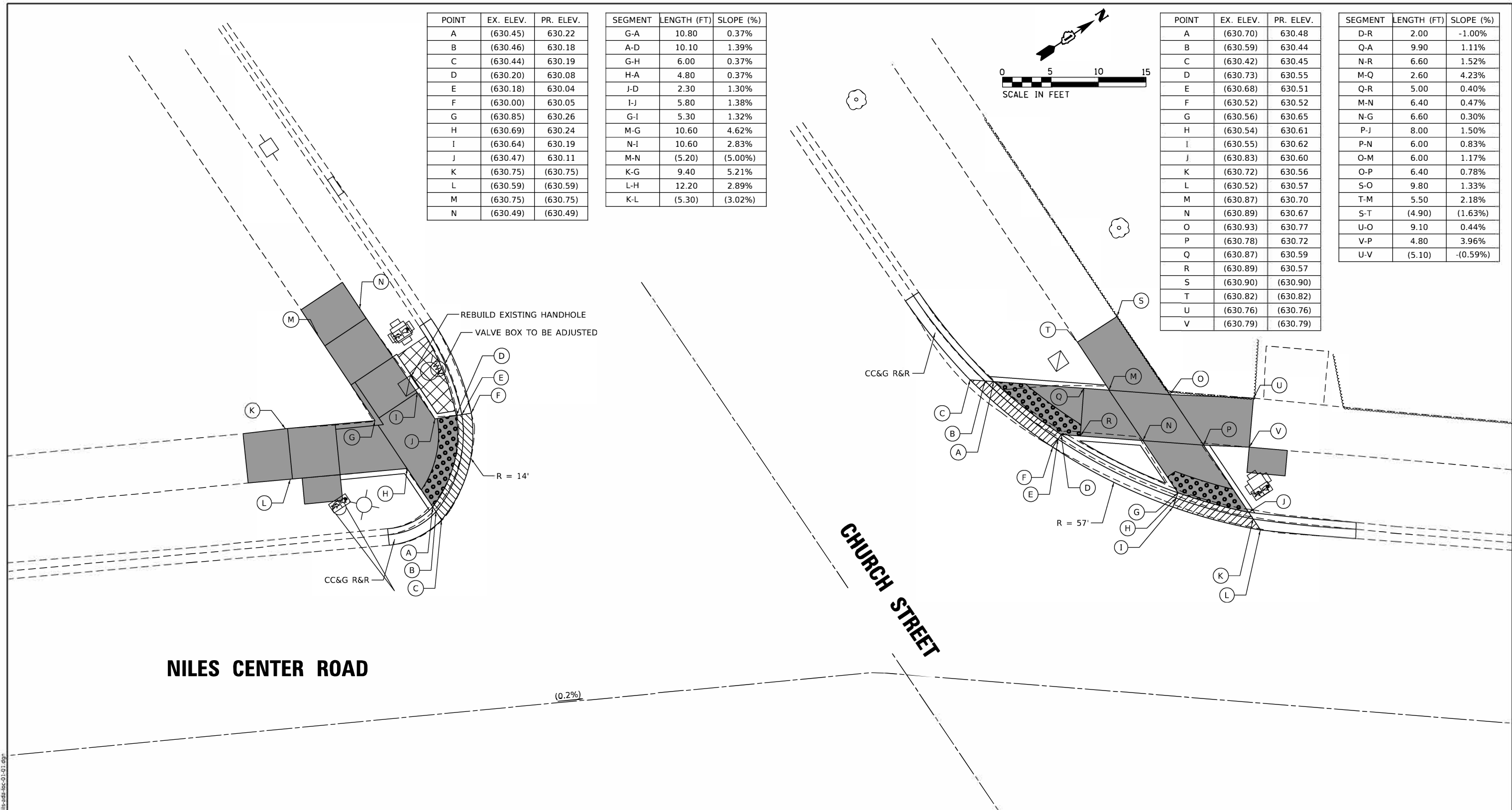
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2798	2018-014-R5-SW	COOK	64	42
CONTRACT NO. 62G76				
ILLINOIS FED. AID PROJECT				

POINT	EX. ELEV.	PR. ELEV.
A	(630.45)	630.22
B	(630.46)	630.18
C	(630.44)	630.19
D	(630.20)	630.08
E	(630.18)	630.04
F	(630.00)	630.05
G	(630.85)	630.26
H	(630.69)	630.24
I	(630.64)	630.19
J	(630.47)	630.11
K	(630.75)	(630.75)
L	(630.59)	(630.59)
M	(630.75)	(630.75)
N	(630.49)	(630.49)

SEGMENT	LENGTH (FT)	SLOPE (%)
G-A	10.80	0.37%
A-D	10.10	1.39%
G-H	6.00	0.37%
H-A	4.80	0.37%
J-D	2.30	1.30%
I-J	5.80	1.38%
G-I	5.30	1.32%
M-G	10.60	4.62%
N-I	10.60	2.83%
M-N	(5.20)	(5.00%)
K-G	9.40	5.21%
L-H	12.20	2.89%
K-L	(5.30)	(3.02%)

POINT	EX. ELEV.	PR. ELEV.
A	(630.70)	630.48
B	(630.59)	630.44
C	(630.42)	630.45
D	(630.73)	630.55
E	(630.68)	630.51
F	(630.52)	630.52
G	(630.56)	630.65
H	(630.54)	630.61
I	(630.55)	630.62
J	(630.83)	630.60
K	(630.72)	630.56
L	(630.52)	630.57
M	(630.87)	630.70
N	(630.89)	630.67
O	(630.93)	630.77
P	(630.78)	630.72
Q	(630.87)	630.59
R	(630.89)	630.57
S	(630.90)	(630.90)
T	(630.82)	(630.82)
U	(630.76)	(630.76)
V	(630.79)	(630.79)

SEGMENT	LENGTH (FT)	SLOPE (%)
D-R	2.00	-1.00%
Q-A	9.90	1.11%
N-R	6.60	1.52%
M-Q	2.60	4.23%
Q-R	5.00	0.40%
M-N	6.40	0.47%
N-G	6.60	0.30%
P-J	8.00	1.50%
P-N	6.00	0.83%
O-M	6.00	1.17%
O-P	6.40	0.78%
S-O	9.80	1.33%
T-M	5.50	2.18%
S-T	(4.90)	(1.63%)
U-O	9.10	0.44%
V-P	4.80	3.96%
U-V	(5.10)	(-0.59%)



**NILES CENTER ROAD**

**CHURCH STREET**

NOTE: REFER TO ROADWAY AND PAVEMENT MARKING PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK: #8441 (ELEV. 630.57 FT)  
 BENCHMARK: SQUARE ON NORTHWEST CORNER OF TRAFFIC CONTROL BOX  
 LOCATION: SOUTHEAST CORNER OF NILES CENTER RD. & CHURCH ST.

**LEGEND**

- (XX.XX) EXISTING LENGTH/ELEVATION
- ===== PROPOSED SIDE CURB
- (%) EXISTING SLOPE
- ┌──XX.XX──┐ REFERENCE POINT LENGTH
- [Solid Grey] PROPOSED SIDEWALK
- [Dotted Pattern] DETECTABLE WARNINGS
- [Cross-hatch Pattern] SIDEWALK REMOVAL  
REPLACE WITH TOPSOIL AND SOD
- [Diagonal Line Pattern] DEPRESSED CURB AND GUTTER

MODEL: Default  
FILE NAME: J:\11303B\_W01304\_CADD\CADD\_Sheets\016076-01r-detailed-01-01.dwg



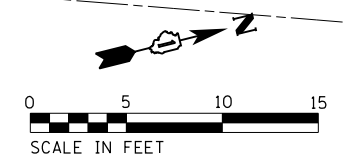
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	DRAWN - EEC	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - RO/LLS	REVISED -
PLOT DATE = 03/18/2019	DATE - 03/12/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ADA RAMP DETAILS  
NILES CENTER ROAD AND CHURCH STREET**

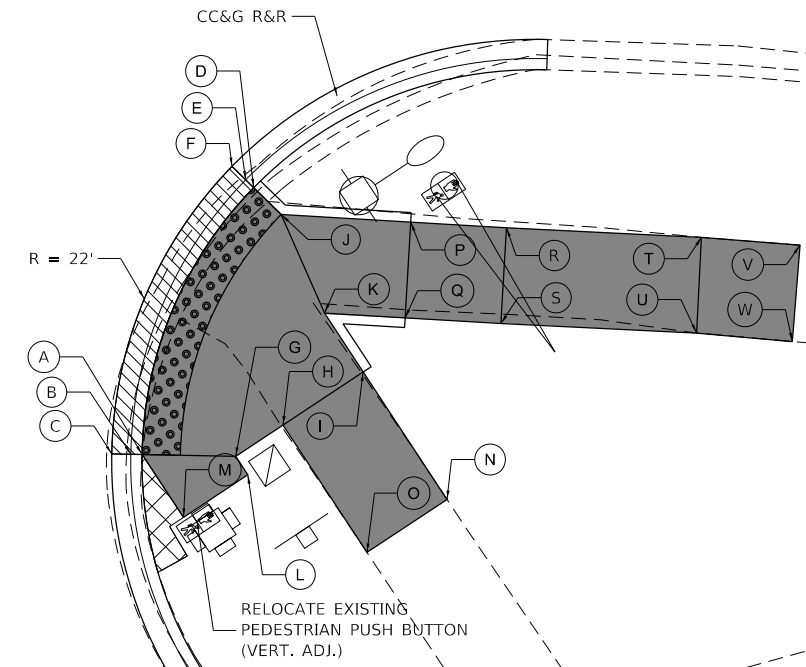
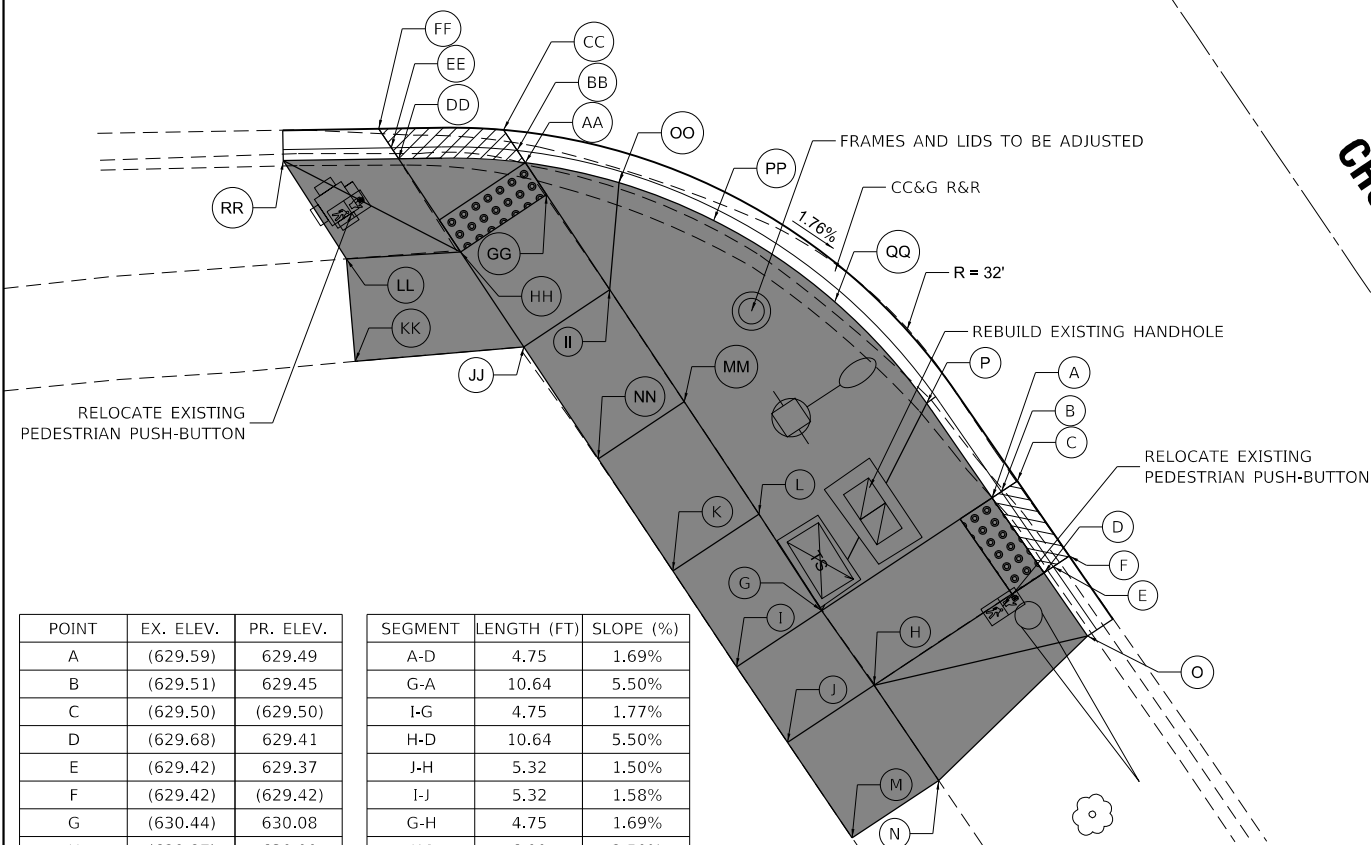
SCALE: 1"=5' SHEET 1 OF 1 SHEETS STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2798	2018-014-R5-SW	COOK	64	43
CONTRACT NO. 62G76				
ILLINOIS FED. AID PROJECT				



# NILES CENTER ROAD

CHURCH STREET  
(2.5%)



POINT	EX. ELEV.	PR. ELEV.	SEGMENT	LENGTH (FT)	SLOPE (%)
A	(629.59)	629.49	A-D	4.75	1.69%
B	(629.51)	629.45	G-A	10.64	5.50%
C	(629.50)	(629.50)	I-G	4.75	1.77%
D	(629.68)	629.41	H-D	10.64	5.50%
E	(629.42)	629.37	J-H	5.32	1.50%
F	(629.42)	(629.42)	I-J	5.32	1.58%
G	(630.44)	630.08	G-H	4.75	1.69%
H	(629.87)	630.00	K-I	6.00	2.50%
I	(630.16)	(630.16)	L-G	6.00	2.57%
J	(629.92)	630.08	K-L	(5.38)	(1.49%)
K	(630.31)	(630.31)	J-M	6.00	3.94%
L	(630.50)	630.23	H-N	6.00	2.77%
M	(629.84)	(629.84)	M-N	(5.41)	(0.19%)
N	(629.83)	(629.83)	O-A	4.00	9.75%
O	(629.80)	(629.80)	P-D	6.00	4.64%
P	(629.76)	629.77	L-P	10.48	4.41%

POINT	EX. ELEV.	PR. ELEV.	SEGMENT	LENGTH (FT)	SLOPE (%)
AA	(630.13)	630.52	AA-DD	7.22	1.81%
BB	(630.14)	630.48	GG-AA	2.00	1.50%
CC	(630.53)	(630.53)	II-GG	5.94	1.50%
DD	(630.51)	630.39	HH-DD	5.83	1.50%
EE	(630.37)	630.35	JJ-HH	5.96	1.38%
FF	(630.40)	(630.40)	II-JJ	5.38	1.50%
GG	(630.42)	630.55	LL-HH	5.96	5.07%
HH	(630.82)	630.48	KK-JJ	8.81	3.75%
II	(630.63)	630.64	KK-LL	(5.36)	(2.06%)
JJ	(630.88)	630.56	LL-RR	(6.09)	(3.45%)
KK	(630.89)	(630.89)	RR-DD	6.00	3.01%
LL	(630.78)	(630.78)	JJ-NN	7.00	1.79%
MM	(630.46)	630.37	NN-K	7.00	1.79%
NN	(630.68)	630.44	II-MM	7.00	3.86%
OO	(630.23)	630.72	NN-MM	5.34	1.22%
PP	(630.11)	630.61	MM-L	7.00	2.00%
QQ	(630.04)	630.26	II-PP	6.51	0.47%
RR	(630.57)	(630.57)	MM-QQ	9.40	1.23%

POINT	EX. ELEV.	PR. ELEV.
A	(629.02)	629.09
B	(628.95)	629.05
C	(628.96)	629.10
D	(629.68)	629.47
E	(629.71)	629.43
F	(629.75)	629.48
G	(629.24)	629.17
H	(629.44)	629.22
I	(629.59)	629.30
J	(629.79)	629.44
K	(629.74)	629.36
L	(629.19)	629.17
M	(629.05)	629.15
N	(629.27)	(629.27)
O	(629.14)	(629.14)
P	(630.24)	629.76
Q	(630.03)	629.71
R	(630.71)	630.71
S	(630.78)	630.78
T	(630.63)	630.71
U	(630.74)	630.78
V	(630.78)	(630.78)
W	(630.85)	(630.85)

SEGMENT	LENGTH (FT)	SLOPE (%)
A-D	20.42	-1.86%
G-A	4.88	1.60%
H-G	2.95	1.60%
I-H	5.00	1.60%
J-D	2.00	-1.50%
K-J	5.68	-1.50%
I-K	3.61	-1.61%
L-G	1.16	0.00%
M-A	3.91	1.50%
L-M	4.00	0.50%
I-N	7.94	0.35%
H-O	7.94	0.97%
N-O	(5.00)	(2.60%)

SEGMENT	LENGTH (FT)	SLOPE (%)
Q-K	4.21	8.30%
P-Q	5.00	1.00%
P-J	6.76	4.66%
R-P	5.00	1.50%
S-Q	5.00	1.50%
S-R	5.00	1.01%
T-R	10.17	8.61%
U-S	10.21	9.75%
U-T	5.00	1.40%
V-T	5.00	1.50%
W-U	5.00	1.50%
W-V	(5.00)	(1.41%)

NOTE: REFER TO ROADWAY AND PAVEMENT MARKING PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK: #8441 (ELEV. 630.57 FT)  
 BENCHMARK: SQUARE ON NORTHWEST CORNER OF TRAFFIC CONTROL BOX  
 LOCATION: SOUTHEAST CORNER OF NILES CENTER RD. & CHURCH ST.

### LEGEND

- (XX.XX) EXISTING LENGTH/ELEVATION
- ===== PROPOSED SIDE CURB
- (%) EXISTING SLOPE
- └─┬─┘ [XX.XX] REFERENCE POINT LENGTH
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL  
REPLACE WITH TOPSOIL AND SOD
- DEPRESSED CURB AND GUTTER

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS  
NILES CENTER ROAD AND CHURCH STREET

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2798	2018-014-R5-SW	COOK	64	44
CONTRACT NO. 62G76				
ILLINOIS FED. AID PROJECT				



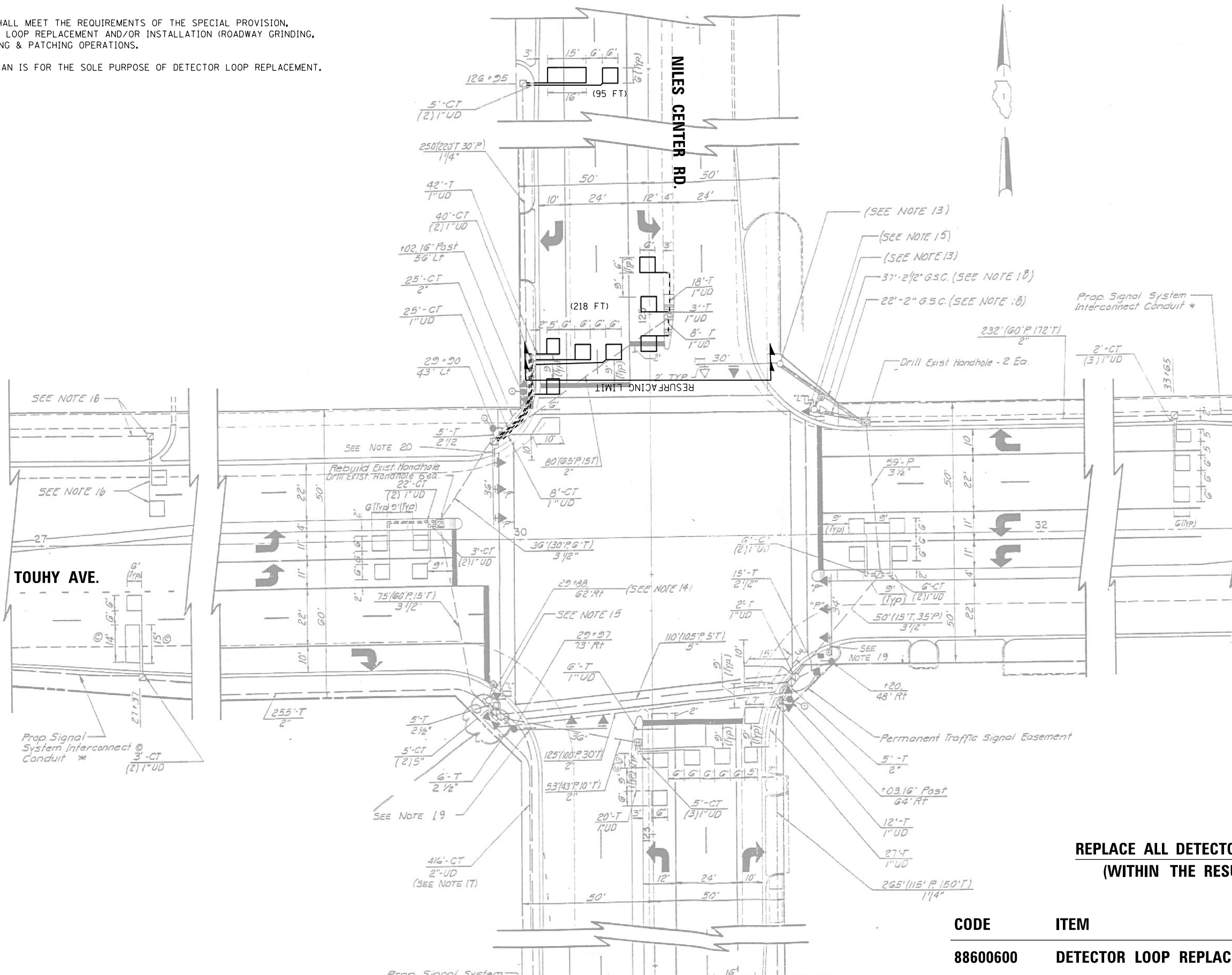
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PLOT SCALE = 10.0000' / in.	DRAWN - LLS	REVISED -
PLOT DATE = 03/18/2019	CHECKED - RO/LLS	REVISED -
	DATE - 03/12/2019	REVISED -

MODEL: Defaul; FILE NAME: 20180318\_W013104\_CADD\CADD\_Sheets\0162G76-ent\data\18-ads-bc-01-02.dgn



**NOTES:**

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



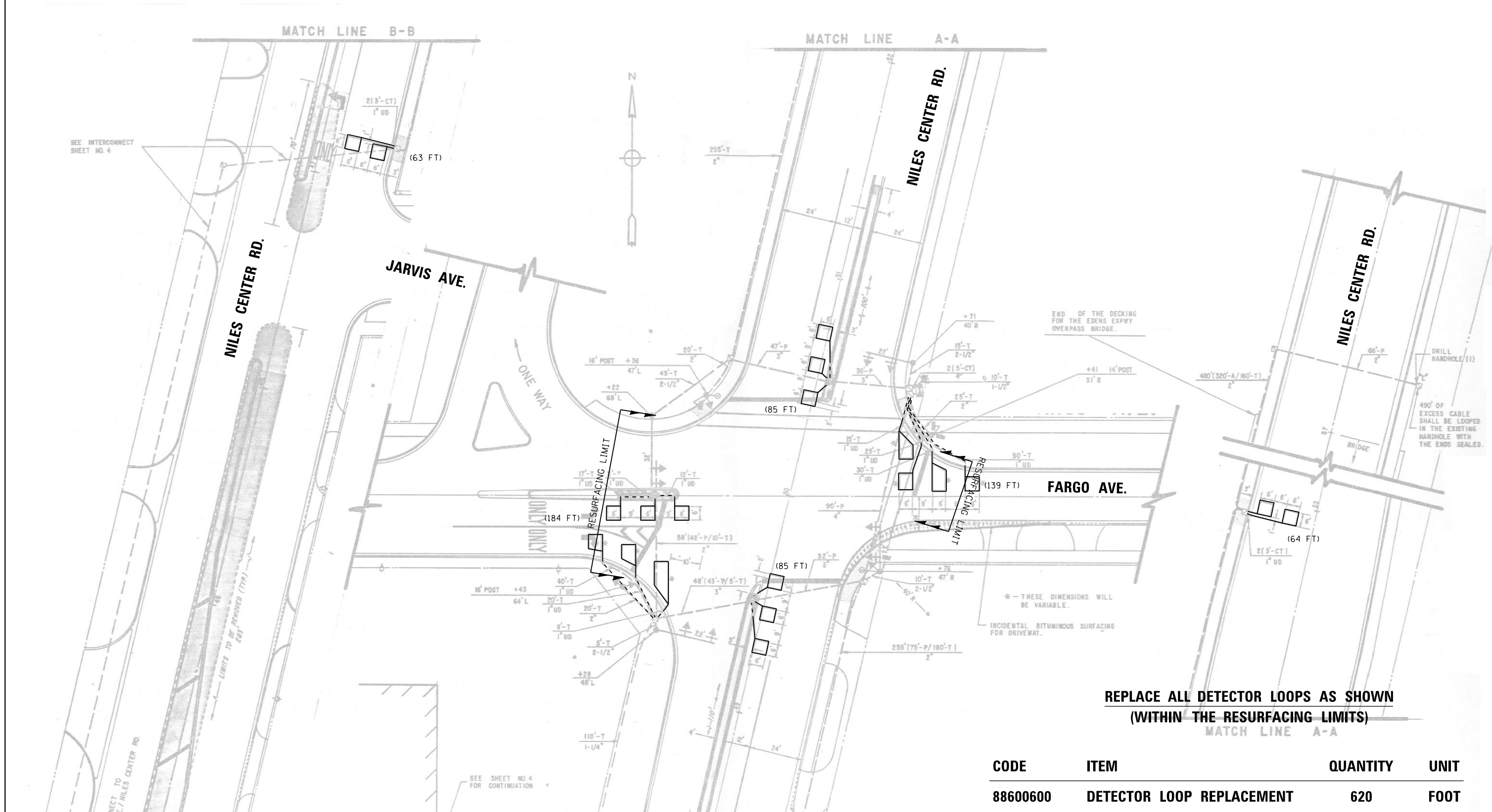
**REPLACE ALL DETECTOR LOOPS AS SHOWN  
(WITHIN THE RESURFACING LIMITS)**

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	313	FOOT

FILE NAME = 62076 -Niles Center @ Touhy.dgn	USER NAME = vargaso	DESIGNED - AV	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETECTOR LOOP REPLACEMENT PLAN NILES CENTER RD. AT TOUHY AVE.</b>	F.A.P. RTE. 2798	SECTION 2018-014-RS-SW	COUNTY COOK	TOTAL SHEETS 64	SHEET NO. 45	
Default	PLOT SCALE = 40.0035' / in.	CHECKED - LP	REVISED -			SCALE:	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT		
	PLOT DATE = 7/19/2018	DATE - 07/19/2018	REVISED -								

**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	620	FOOT

FILE NAME = 62G76 -Niles Center @ Fargo Ave.dgn  
Default

USER NAME = vargosa  
DESIGNED - AV  
DRAWN - AV  
CHECKED - LP  
DATE - 07/19/2018

REVISED -  
REVISED -  
REVISED -  
REVISED -

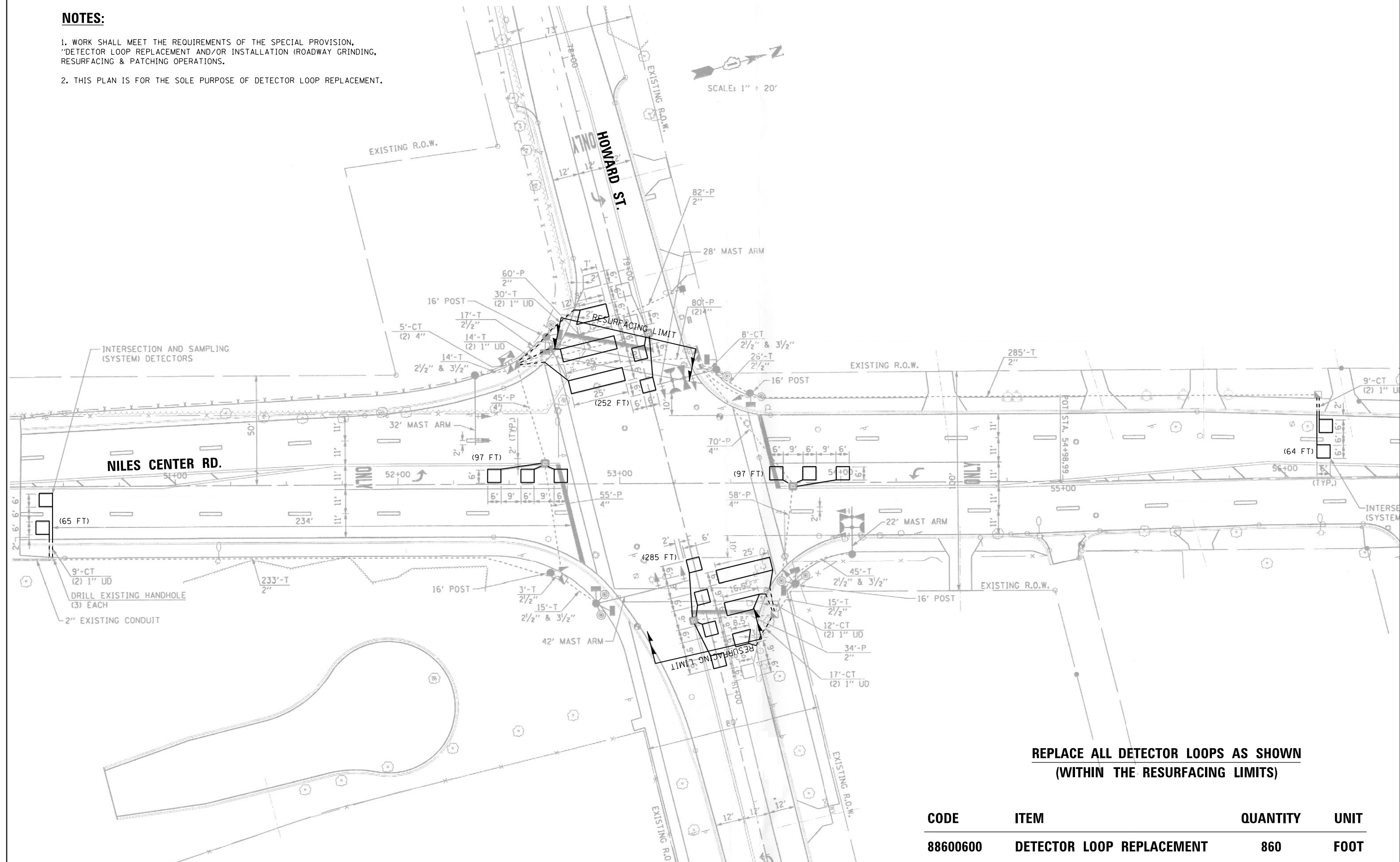
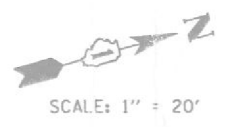
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT PLAN  
NILES CENTER RD. AT FARGO AVE.  
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 2798	SECTION 2018-014-RS-SW	COUNTY COOK	TOTAL SHEETS 64	SHEET NO. 46
CONTRACT NO. 62G76				
ILLINOIS FED. AID PROJECT				

**NOTES:**

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



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

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	860	FOOT

FILE NAME = 62G76 -Niles Center @ Howard St.dgn  
Default

USER NAME = vargaso  
PLOT SCALE = 40.0022' / in.  
PLOT DATE = 7/19/2018

DESIGNED - AV  
DRAWN - AV  
CHECKED - LP  
DATE - 07/19/2018

REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

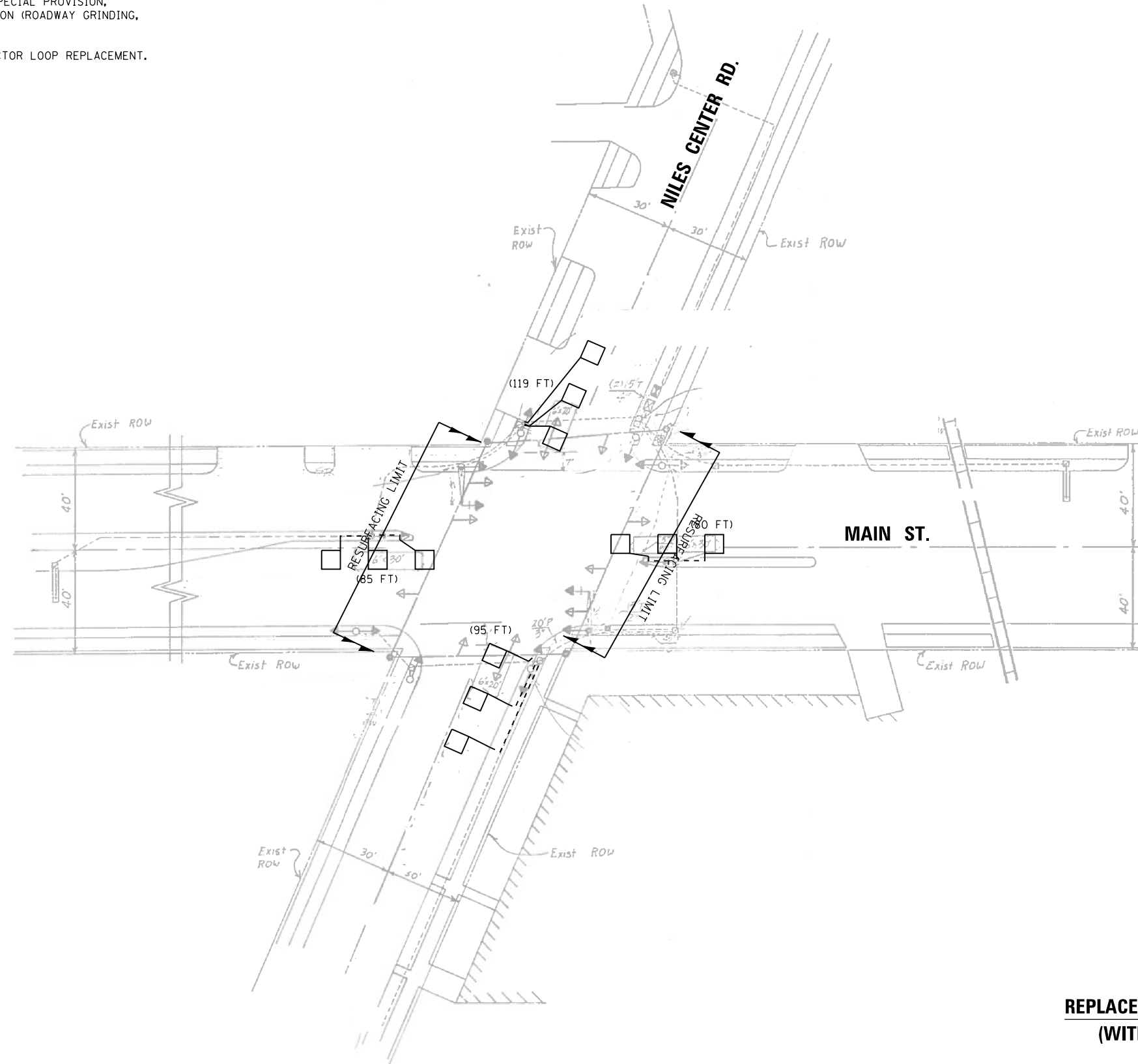
**DETECTOR LOOP REPLACEMENT PLAN  
NILES CENTER RD. AT HOWARD ST.**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2798	2018-014-RS-SW	COOK	64	47
CONTRACT NO. 62G76				
ILLINOIS FED. AID PROJECT				

**NOTES:**

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



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

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	379	FOOT

FILE NAME = 62G76 -Niles Center @ Main St.dgn	USER NAME = vargasa	DESIGNED - AV	REVISED -
		DRAWN - AV	REVISED -
		CHECKED - LP	REVISED -
		DATE - 07/20/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

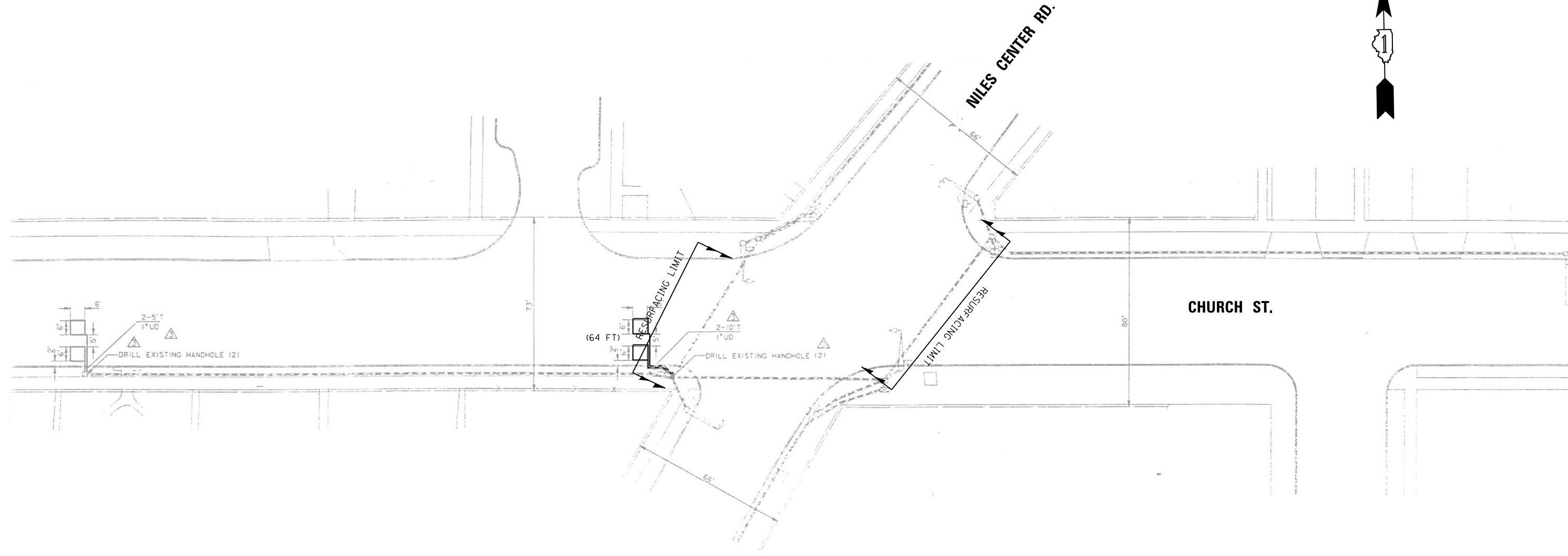
**DETECTOR LOOP REPLACEMENT PLAN  
NILES CENTER RD. AT MAIN ST.**

F.A.P. RTE. 2798	SECTION 2018-014-RS-SW	COUNTY COOK	TOTAL SHEETS 64	SHEET NO. 48
CONTRACT NO. 62G76				ILLINOIS FED. AID PROJECT

SCALE: SHEET OF SHEETS STA. TO STA.

**NOTES:**

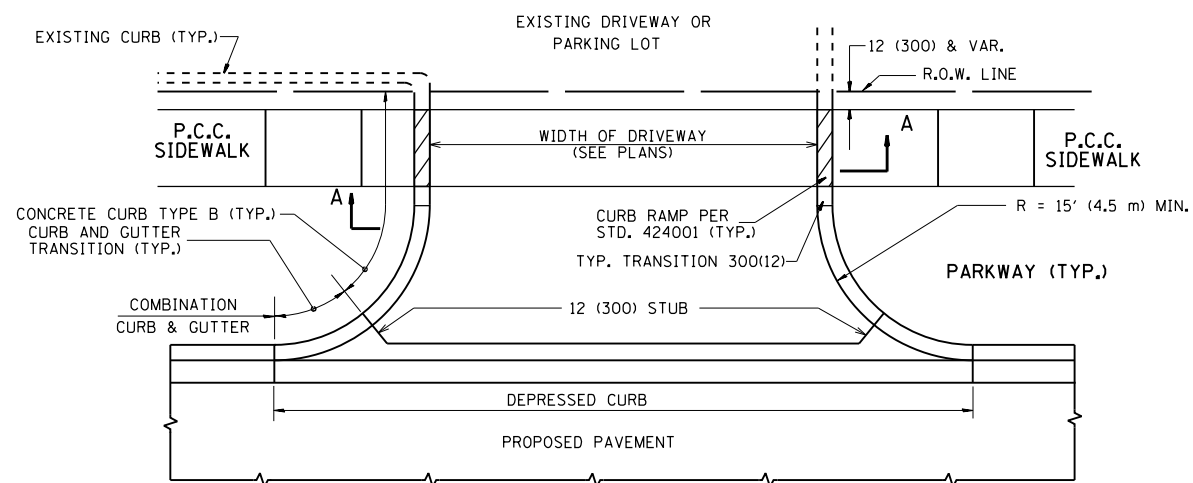
1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.



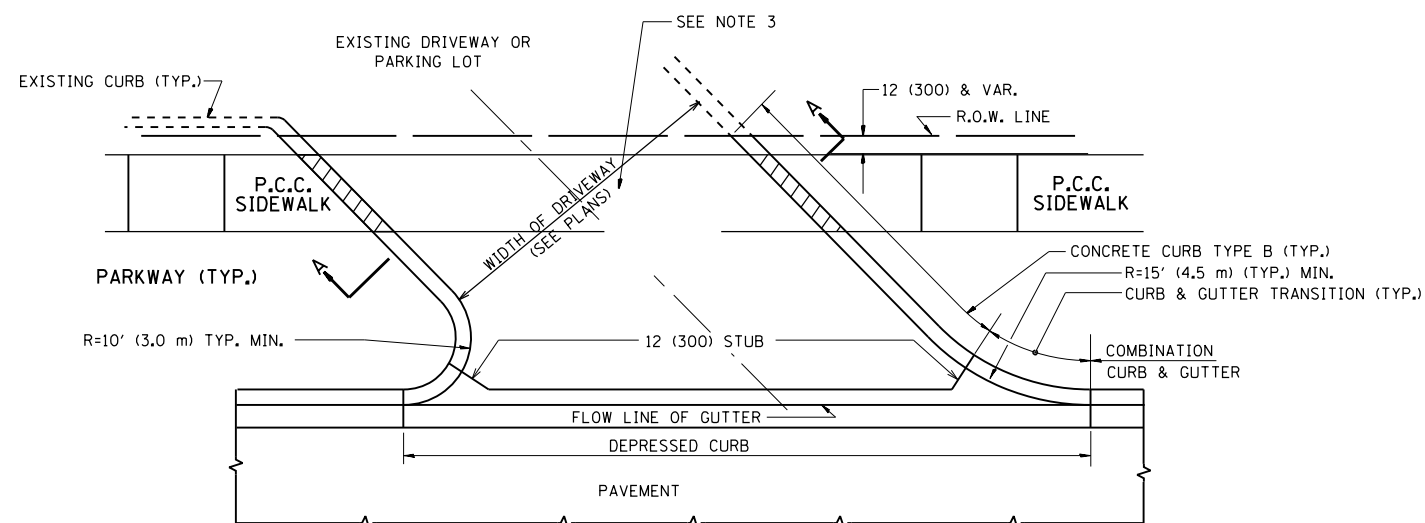
**REPLACE ALL DETECTOR LOOPS AS SHOWN  
(WITHIN THE RESURFACING LIMITS)**

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	64	FOOT

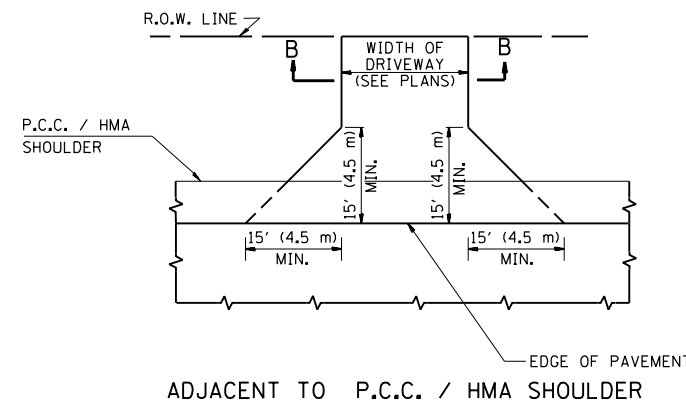
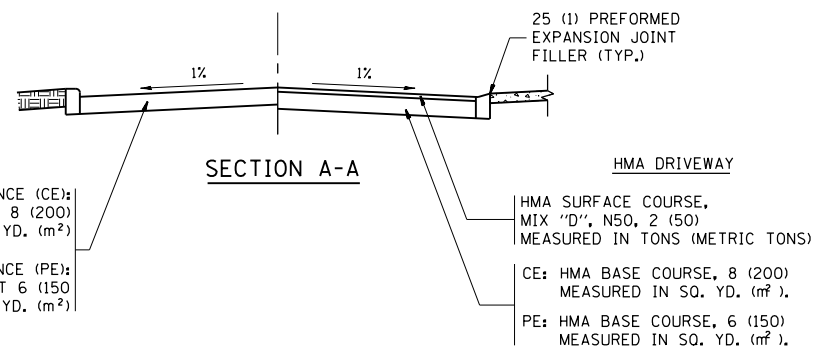
FILE NAME = 62076 -Niles Center @ Church St.dgn	USER NAME = vargosa	DESIGNED - AV	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETECTOR LOOP REPLACEMENT PLAN NILES CENTER RD. AT CHURCH ST.</b>	F.A.P. RTE. 2798	SECTION 2018-014-RS-SW	COUNTY COOK	TOTAL SHEETS 64	SHEET NO. 49		
Default	PLOT SCALE = 40.0069' / in.	CHECKED - LP	REVISED -			SCALE:	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT			
	PLOT DATE = 7/20/2018	DATE - 07/20/2018	REVISED -									
CONTRACT NO. 62G76												



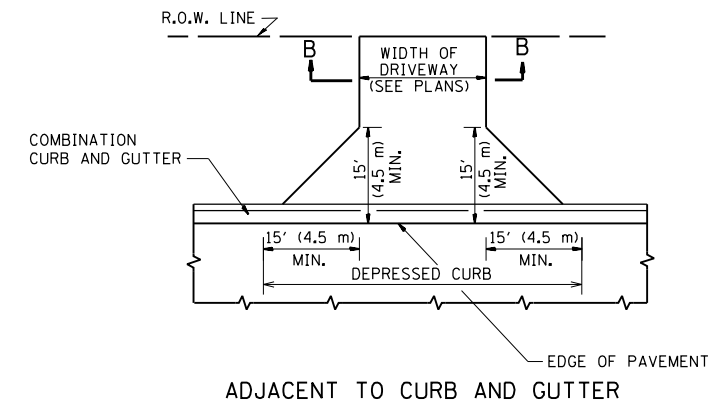
WITH CONCRETE CURB, TYPE B



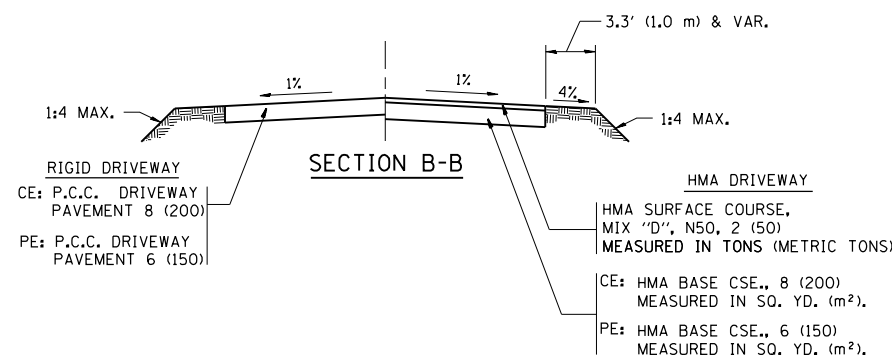
WITH CONCRETE CURB, TYPE B



ADJACENT TO P.C.C. / HMA SHOULDER



ADJACENT TO CURB AND GUTTER



SECTION B-B

RURAL FIELD ENTRANCE (FE)

**GENERAL NOTES:**

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

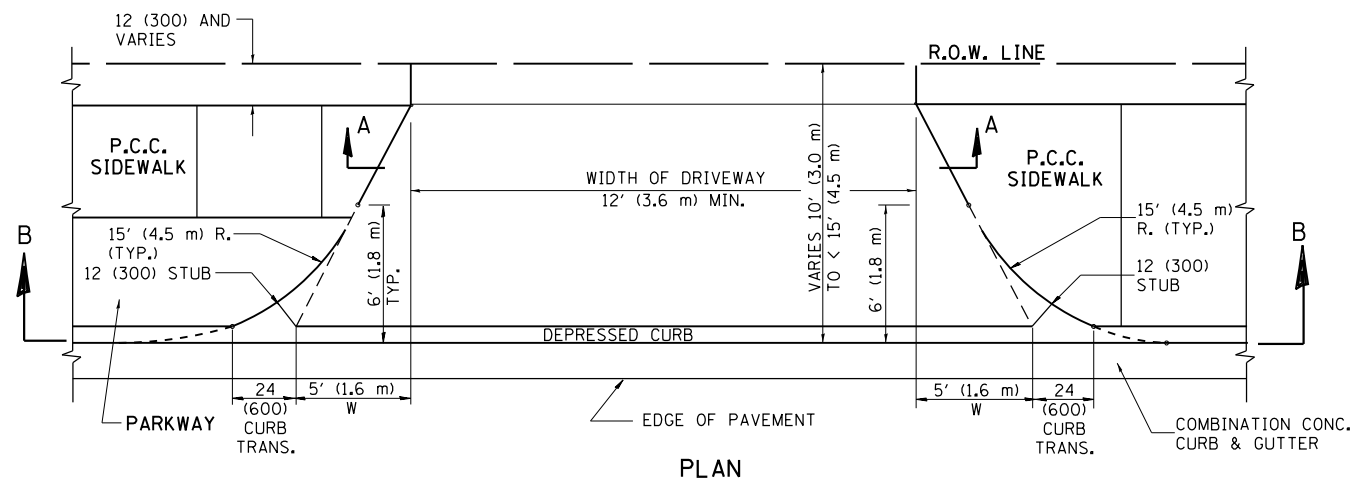
WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

FILE NAME =	USER NAME = Velichkovv	DESIGNED - R. SHAH	REVISED - P. LaFLUER 04-15-03
pw:\planroom.dot.illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\0133718\DRAWING\Design\DistStd.dgn		CHECKED -	REVISED - R. BORO 01-01-07
PLOT SCALE = 100.0002' / in.		DATE - 11-04-95	REVISED - R. BORO 06-11-08
PLOT DATE = 5/30/2019			REVISED - R. BORO 09-06-11

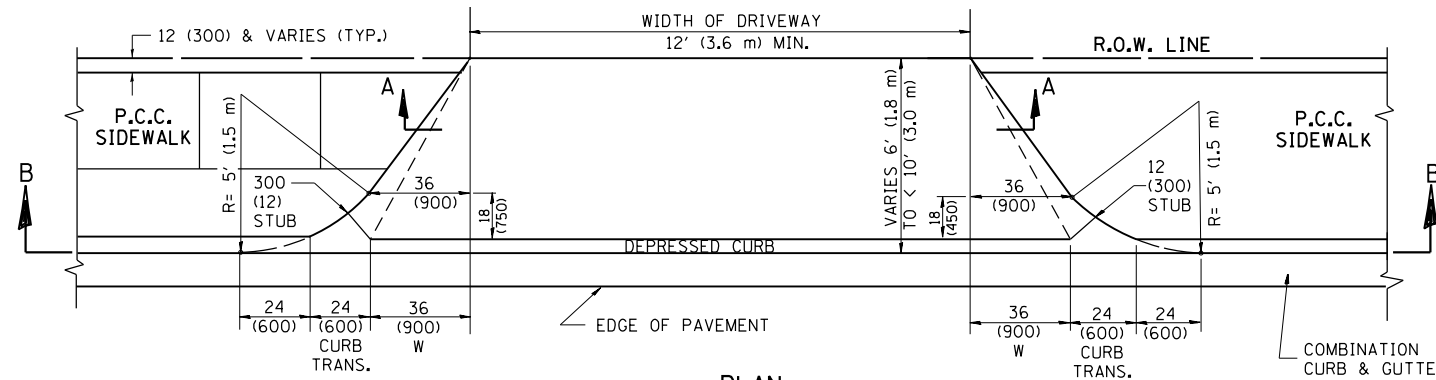
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m)			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

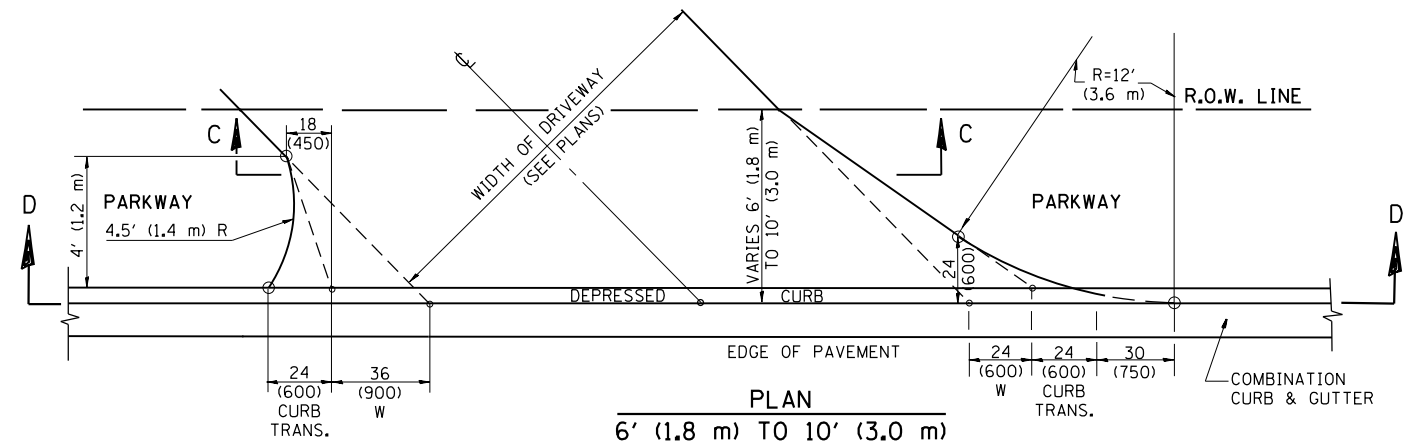
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2798	2018-014-R5-SW	COOK	64	50
BD0156-07 (BD-01)		CONTRACT NO. 62C76		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



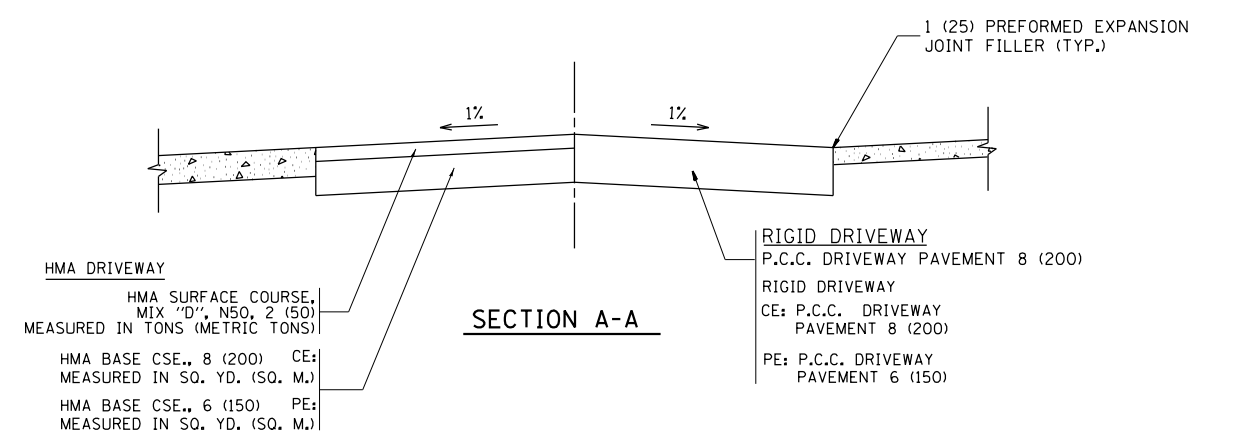
PLAN  
10' (3.0 m) TO < 15' (4.5 m)



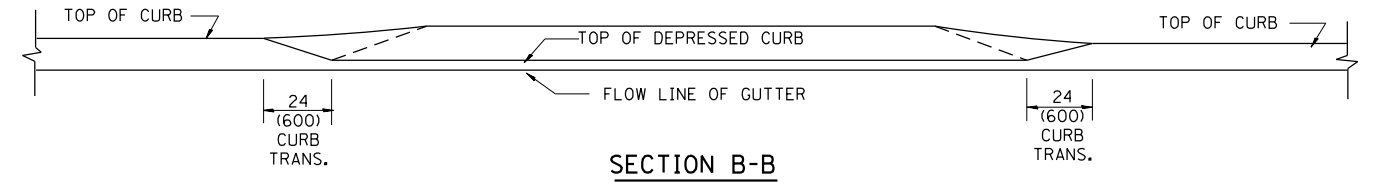
PLAN  
6' (1.8 m) TO < 10' (3.0 m)



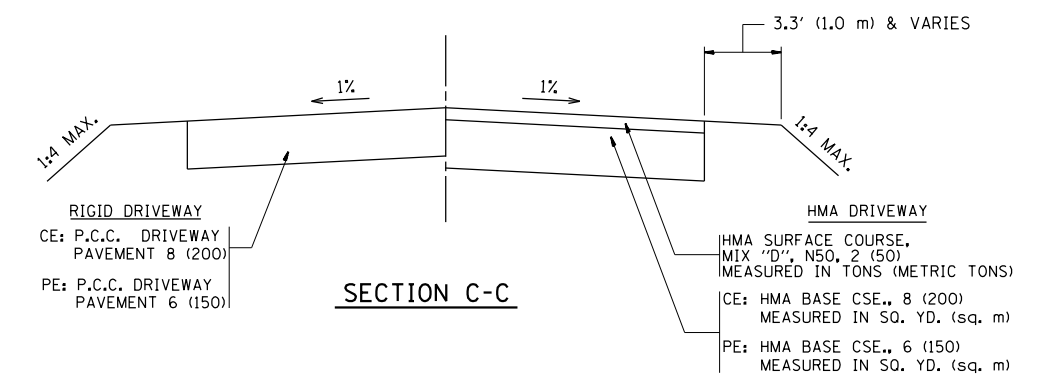
PLAN  
6' (1.8 m) TO 10' (3.0 m)



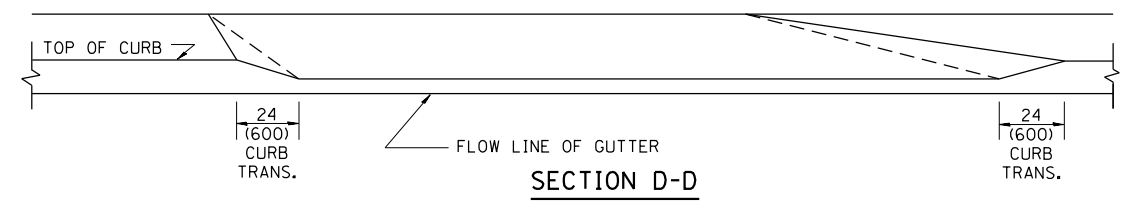
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

GENERAL NOTES

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE P.C.C. SIDEWALK SHALL EXTEND TO THE BACK OF CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

THE 1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

"W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

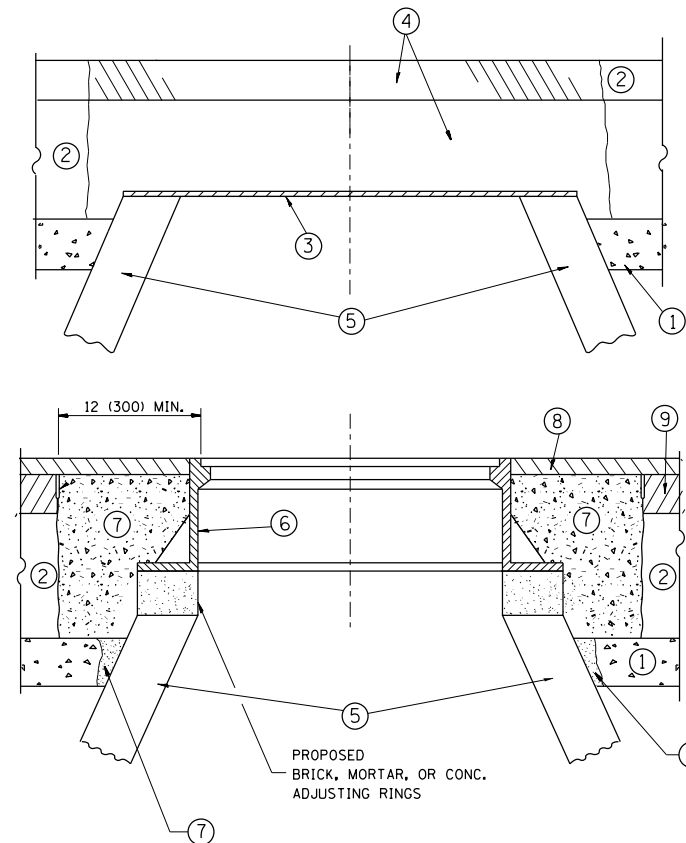
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED.

FILE NAME =	USER NAME = Velichkovv	DESIGNED - R. SHAH	REVISED - M. GOMEZ 04-06-01
pw\planroom.dot\illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\0133718\BDRW\Design\DistStd.dgn		CHECKED -	REVISED - P. LoFLEUR 04-15-03
	PLOT SCALE = 100.0002' / 1"	DATE - 11-06-95	REVISED - R. BORO 01-01-07
	PLOT DATE = 5/30/2019		REVISED - R. BORO 01-01-07

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS			
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m)			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2798	2018-014-R5-SW	COOK	64	51
BD400-02 (BD-02)			CONTRACT NO. 62G76	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**CONSTRUCTION PROCEDURES**

**STAGE 1 (BEFORE PAVEMENT MILLING)**

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

**STAGE 2 (AFTER PAVEMENT MILLING)**

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

\* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

**LEGEND**

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

**LOCATION OF STRUCTURES:**

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

**BASIS OF PAYMENT:**

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

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

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

**NOTES:**

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

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

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

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

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

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

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

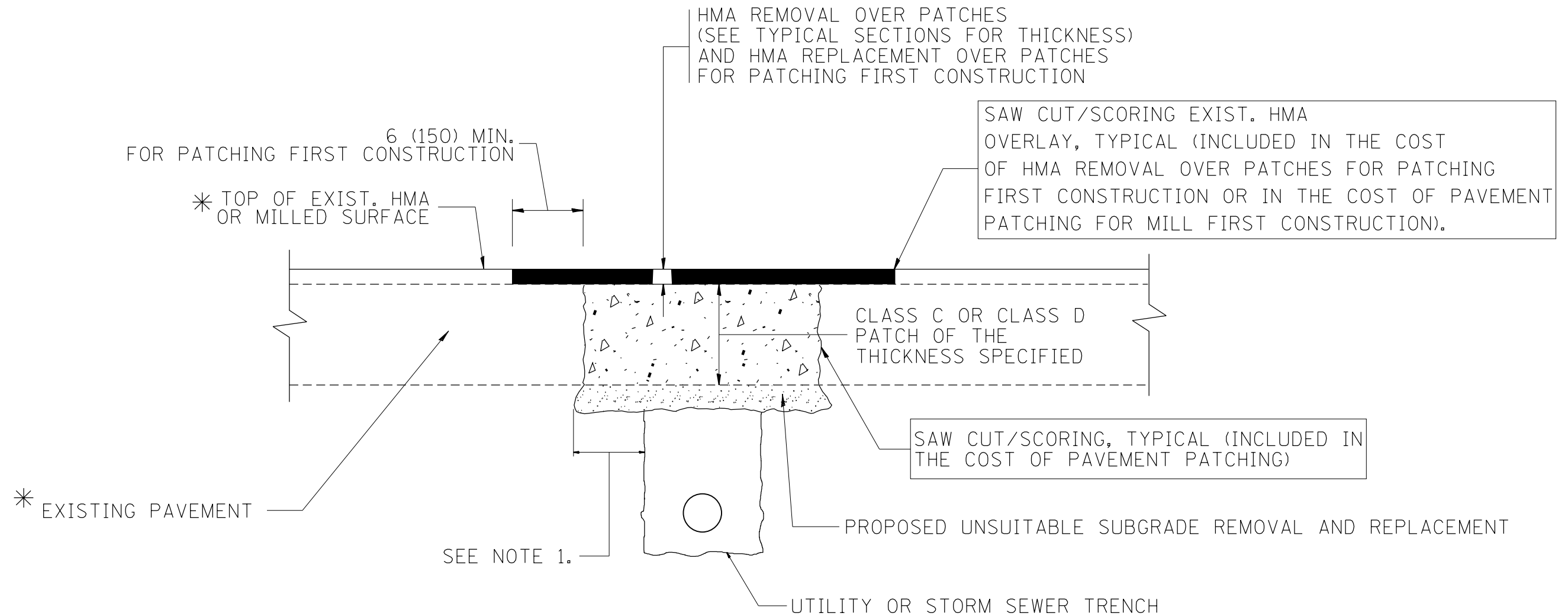
FILE NAME =	USER NAME = Velichkovv	DESIGNED - R. SHAH	REVISED - R. WIEDEMAN 05-14-04
pw:\planroom.dot.illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\0133718\DRAWING\Design\DistStd.dgn			REVISED - R. BORO 01-01-07
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	PLOT DATE = 5/30/2019	DATE - 10-25-94	REVISED - R. BORO 12-06-11

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING</b>			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2798	2018-014-R5-SW	COOK	64	52
<b>BD600-03 (BD-8)</b>		<b>CONTRACT NO. 62C76</b>		
<small>FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT</small>				





\* SEE TYPICAL SECTIONS FOR  
THICKNESS AND MATERIALS

**NOTES:**

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

**SEQUENCE OF CONSTRUCTION (PATCHING FIRST)**

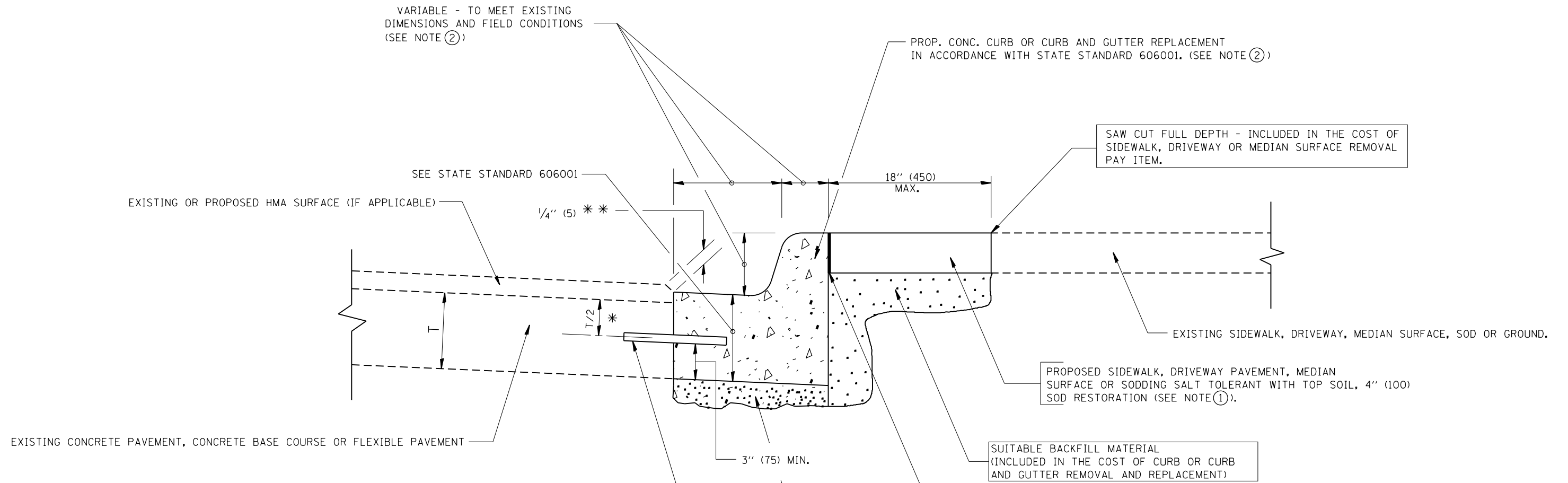
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

**SEQUENCE OF CONSTRUCTION (MILLING FIRST)**

1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

FILE NAME =	USER NAME = Velichkovv	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\0133718\DRAWING\Design\DistStd.dgn	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - R. BORO 01-01-07					2798	2018-014-R5-SW	COOK	64	53
	PLOT DATE = 5/30/2019	DATE - 10-25-94	REVISED - R. BORO 09-04-07		<b>BD400-04 (BD-22) CONTRACT NO. 62G76</b>							
			REVISED - K. ENG 10-27-08		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			



- \* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
  - \*\* IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.
- NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.
- SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY.
- ② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED
  - ③ CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.
  - ④ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.
  - ⑤ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.
  - ⑥ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.
  - ⑦ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.
  - ⑧ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

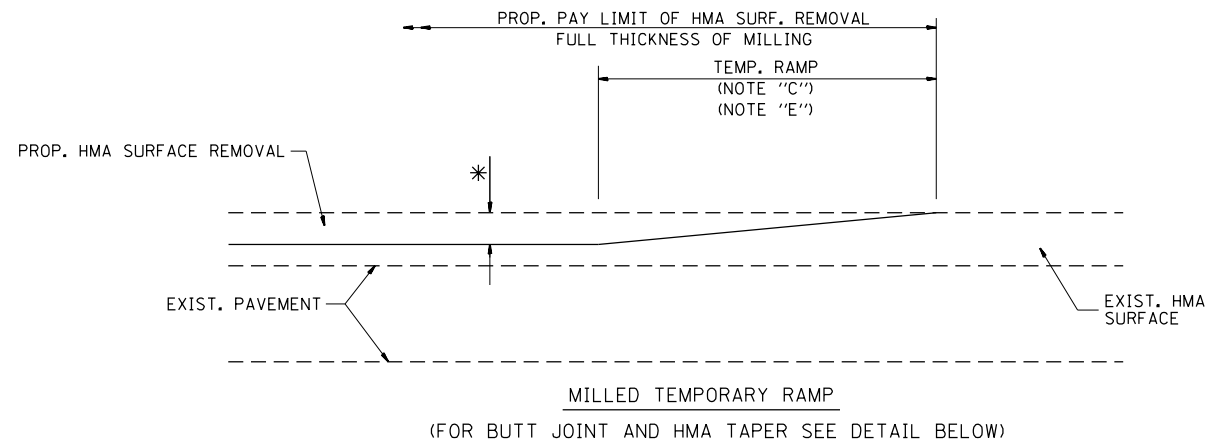
- PROPOSED 3/4" (20) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.)
- UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.
- REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.
- REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
- PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USUABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

**BASIS OF PAYMENT:**  
 THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

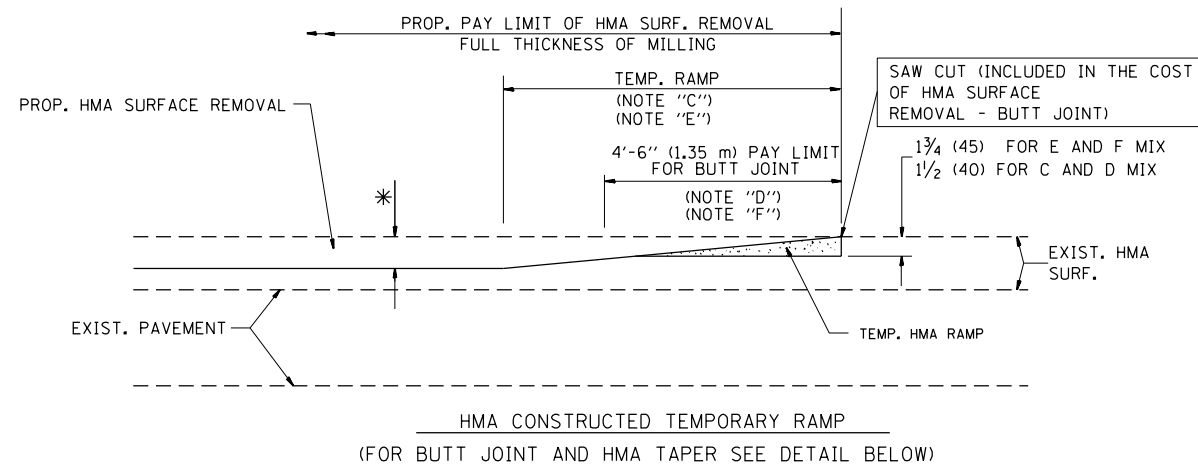
# CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

FILE NAME =	USER NAME = Velichkovv	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT</b>	F.A.U. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
			REVISED - A. ABBAS 03-21-97			2798	2018-014-R5-SW	COOK	64	54	
	PLOT SCALE = 100.0000' / 1".	CHECKED -	REVISED - M. GOMEZ 01-22-01			BD600-06 (BD-24)		CONTRACT NO. 62C76			
	PLOT DATE = 5/30/2019	DATE - 03-11-94	REVISED - R. BORO 12-15-09			SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

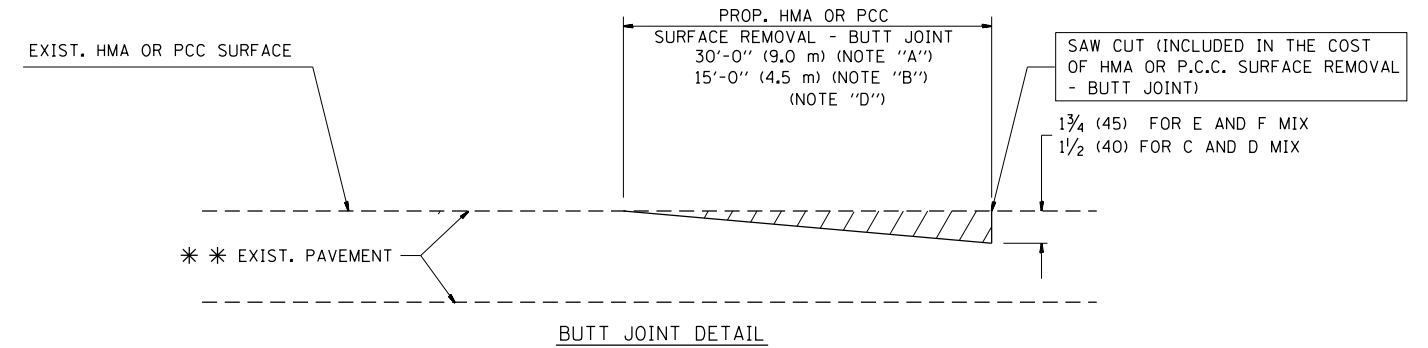


**OPTION 1**

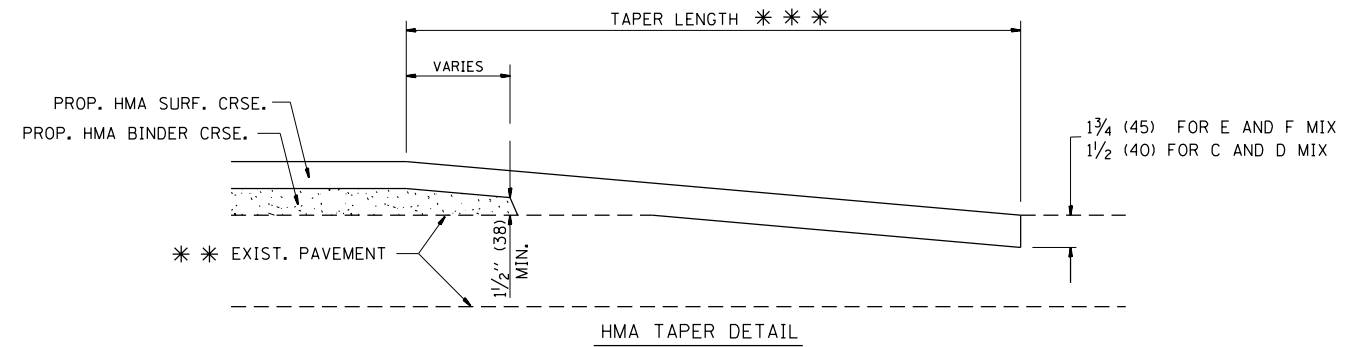


**OPTION 2**

**TYPICAL TEMPORARY RAMP**



**BUTT JOINT DETAIL**



**HMA TAPER DETAIL**

**TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY**

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

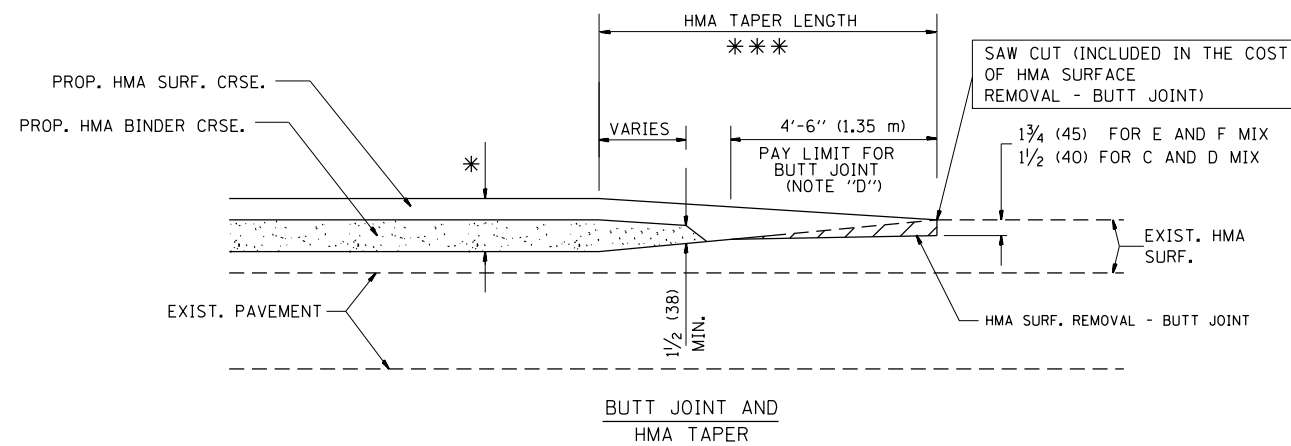
**NOTES**

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

**BASIS OF PAYMENT:**

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

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



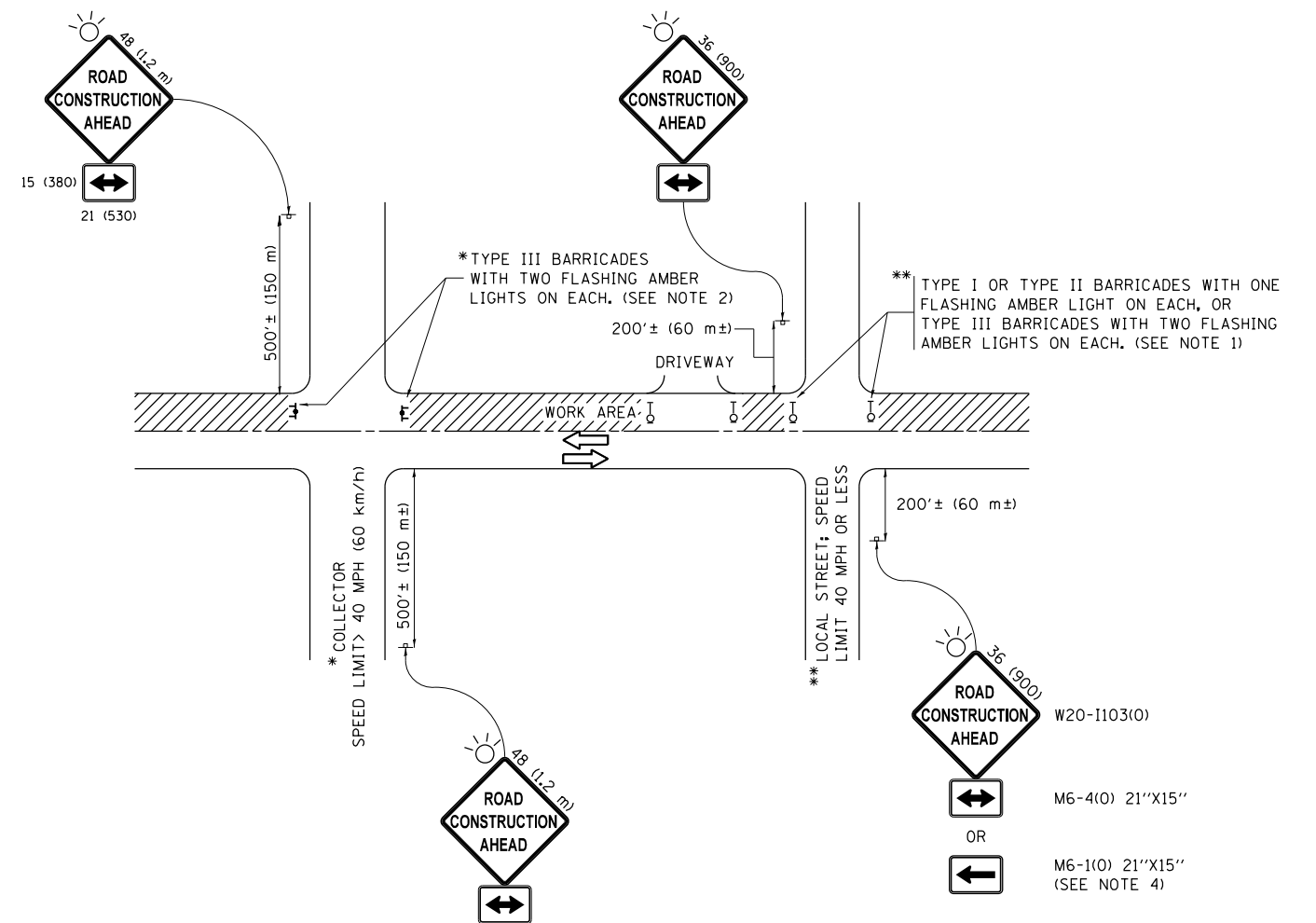
**TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING**

FILE NAME =	USER NAME = Velichkovv	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\0133718\DRAWING\Design\DistStd.dgn			REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 5/30/2019	DATE - 06-13-90	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>BUTT JOINT AND HMA TAPER DETAILS</b>	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2798	2018-014-R5-SW	COOK	64	55
<b>BD400-05 BD32</b>		<b>CONTRACT NO. 62C76</b>		
FED. ROAD DIST. NO. 1 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) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
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. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
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.

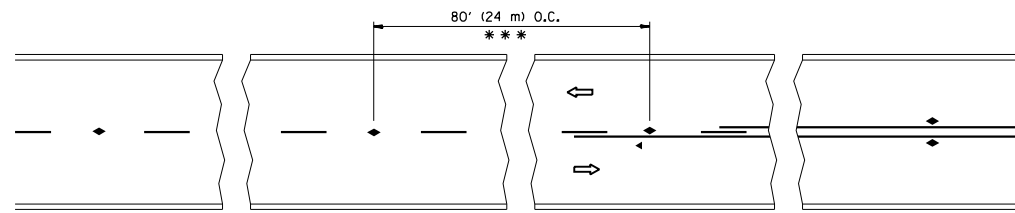
FILE NAME =	USER NAME = Velichkovv	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\0133718\DRAWING\Design\DistStd.dgn			REVISED - T. RAMMACHER 01-06-00
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
	PLOT DATE = 5/30/2019	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

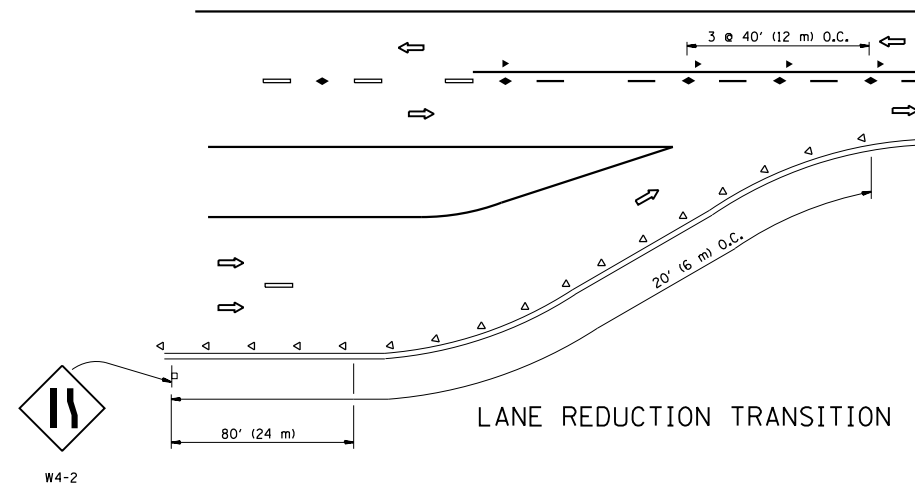
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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<b>TC-10</b>			<b>CONTRACT NO. 62G76</b>	
ILLINOIS FED. AID PROJECT				

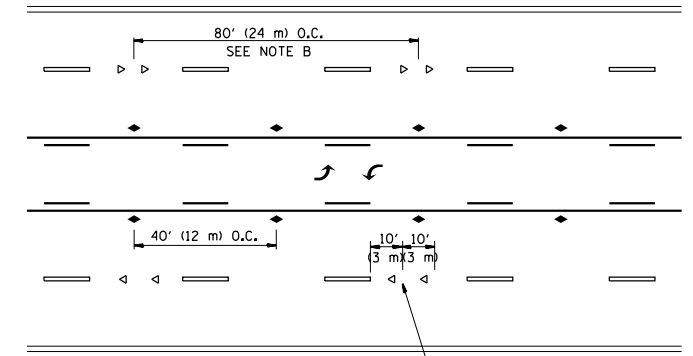


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

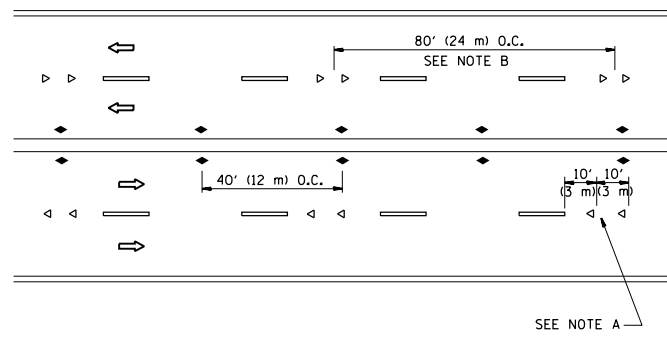
TWO-LANE/TWO-WAY



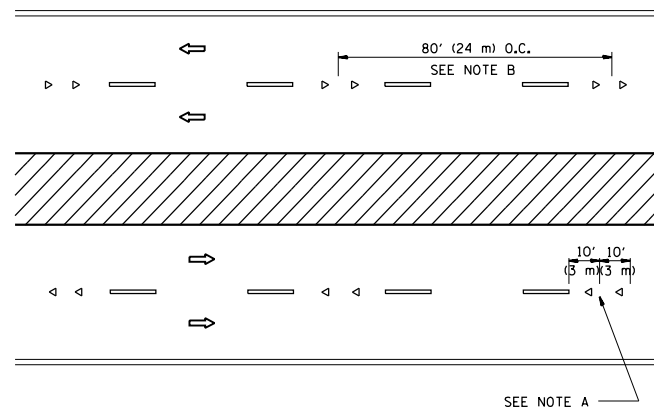
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

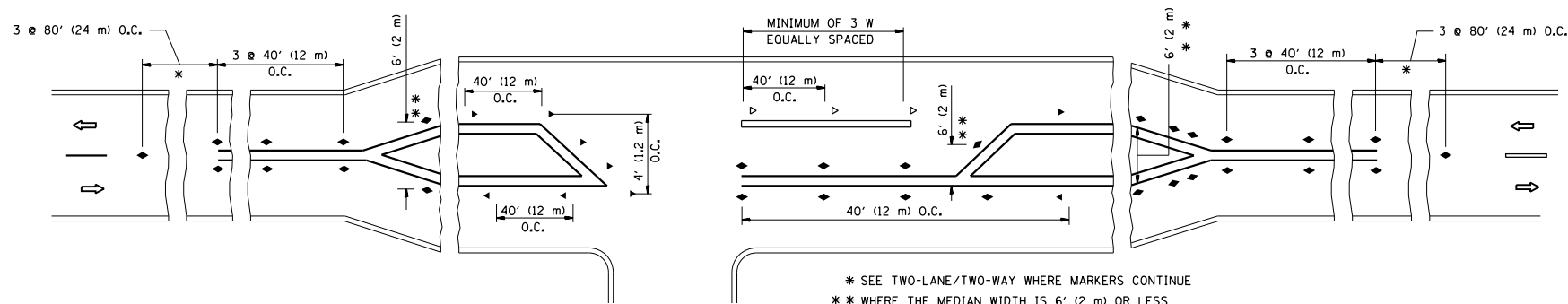
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

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

DESIGN NOTES

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

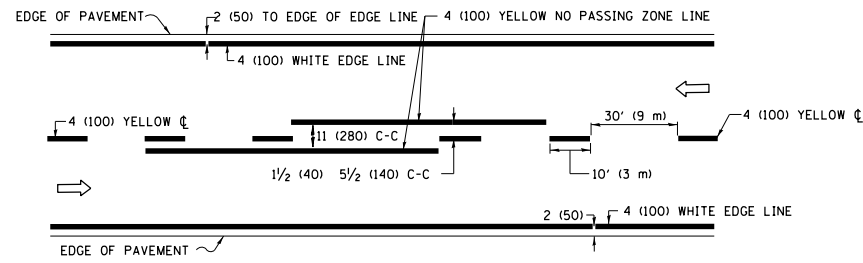


LEFT TURN

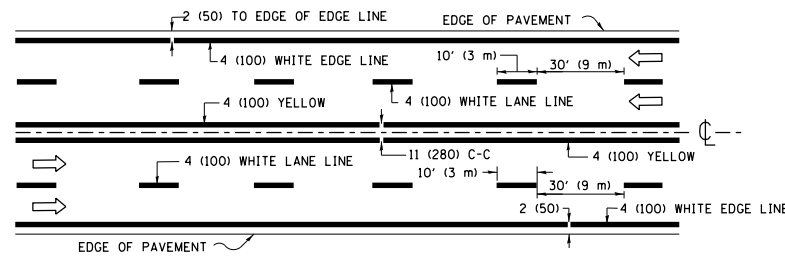
\* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE  
 \*\* WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

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

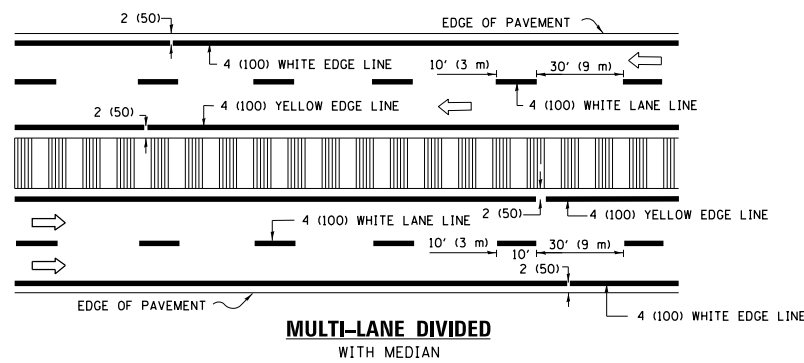
FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED - T. RAMMACHER 09-19-94	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\0133718\DRAWING\Design\DistStd.dgn	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - T. RAMMACHER 03-12-99					2798	2018-014-R5-SW	COOK	64	57
PLOT DATE = 5/30/2019	DATE -	REVISED - T. RAMMACHER 01-06-00	REVISED - C. JUCIUS 09-09-09		<b>TC-11</b>			<b>CONTRACT NO. 62G76</b>				
					SCALE: NONE			SHEET NO. 1 OF 1 SHEETS			STA. TO STA.	



**2-LANE ROADWAY**

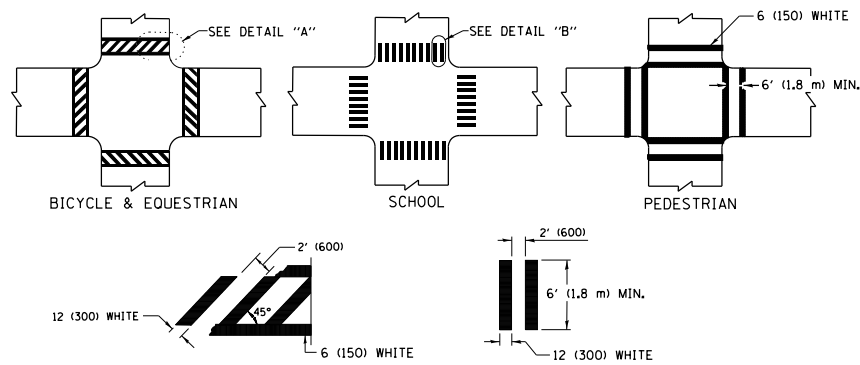


**MULTI-LANE UNDIVIDED**



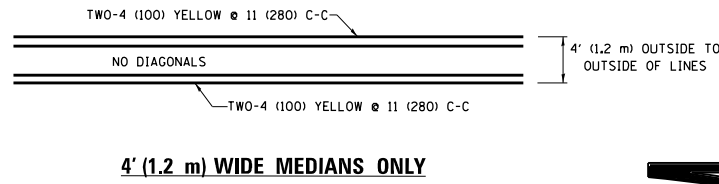
**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

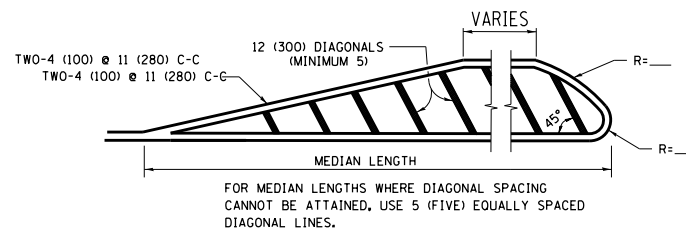


**DETAIL "A" TYPICAL CROSSWALK MARKING**

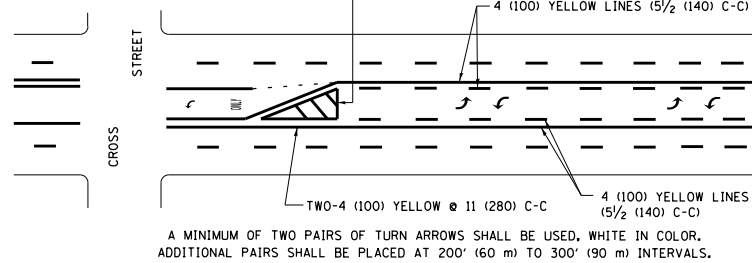
\* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



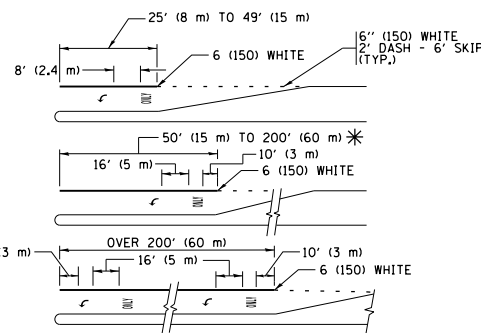
**4' (1.2 m) WIDE MEDIANS ONLY**



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



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

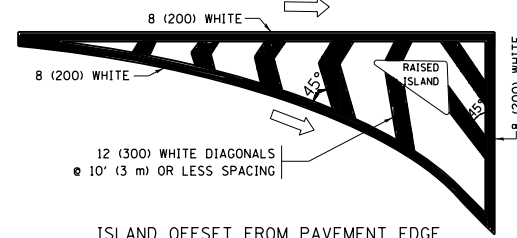


**TYPICAL LEFT (OR RIGHT) TURN LANE**

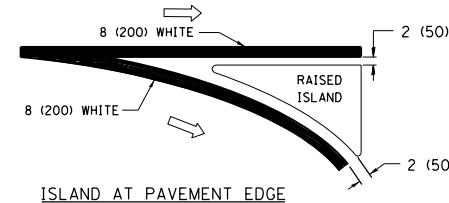
**TYPICAL TURN LANE MARKING**

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

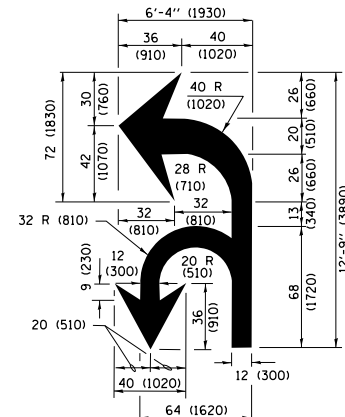
\* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".



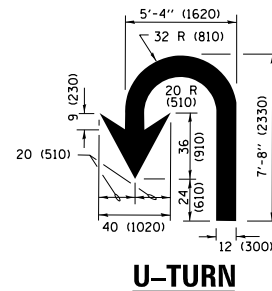
**ISLAND OFFSET FROM PAVEMENT EDGE**



**ISLAND AT PAVEMENT EDGE TYPICAL ISLAND MARKING**



**COMBINATION LEFT AND U-TURN**



**U-TURN**

**LANE REDUCTION TRANSITION**

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

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (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.
CORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8' )	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

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

FILE NAME =	USER NAME = Velchikovv	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
p:\planroom.dot.illinois.gov\PIDOT\Documents\DOT Offices\District 1\Projects\DI33719\Drawings\Design\DistStd.dgn		CHECKED -	REVISED - C. JUCIUS 07-01-13
Default	PLOT SCALE = 100.0056' / in.	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
	PLOT DATE = 5/30/2019		REVISED - C. JUCIUS 04-12-16

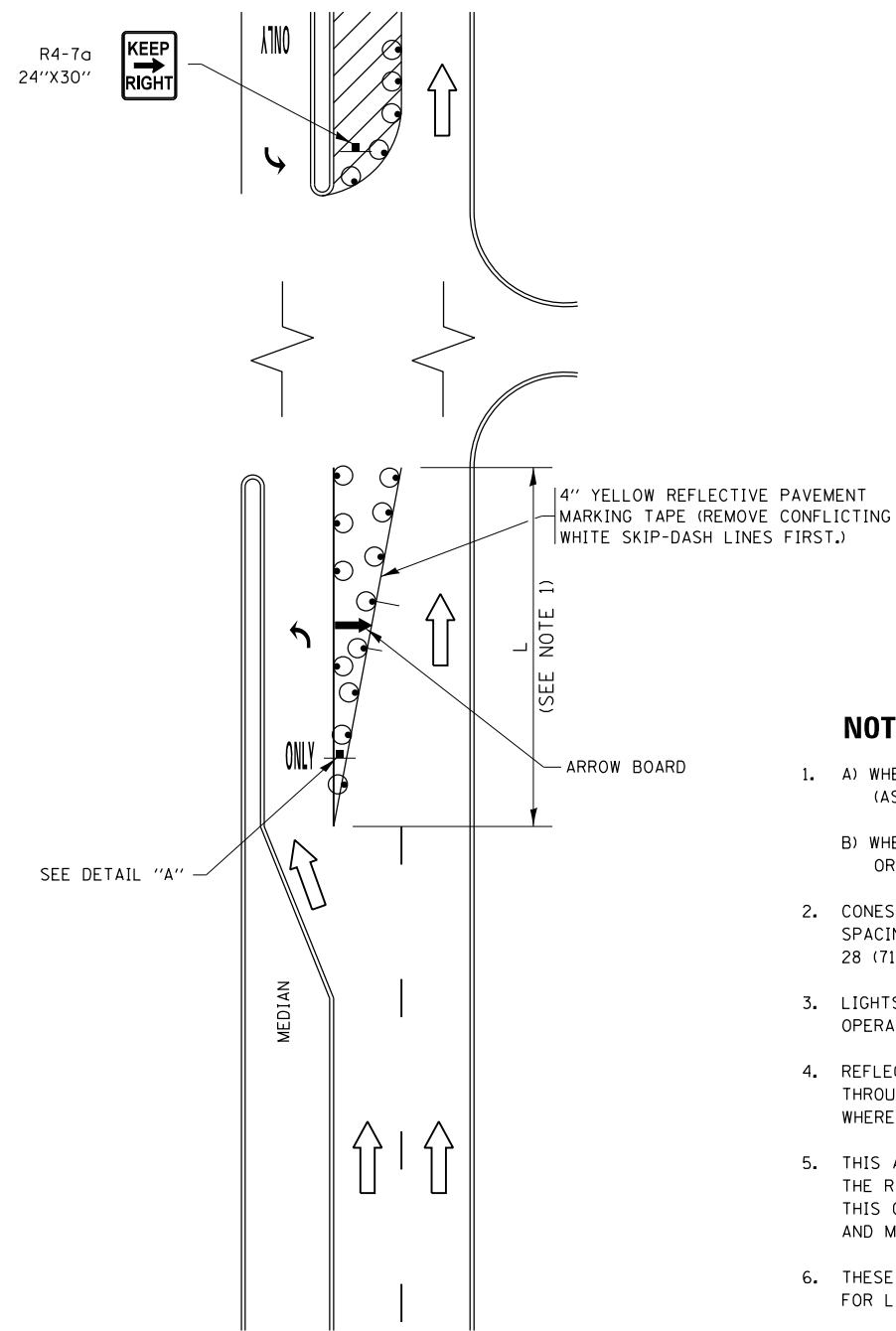
**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE TYPICAL PAVEMENT MARKINGS**

SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.
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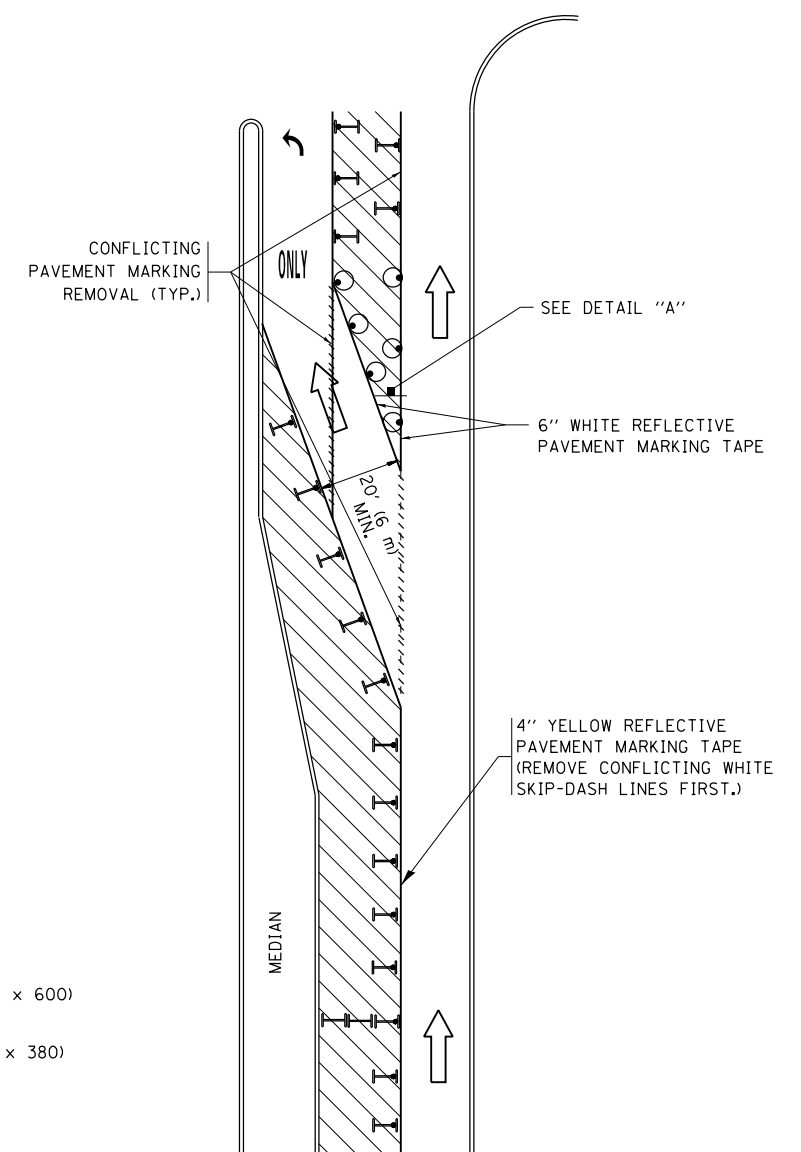
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2798	2018-014-RS-SW	COOK	64	58
TC-13			CONTRACT NO. 62G76	
ILLINOIS FED. AID PROJECT				

# TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

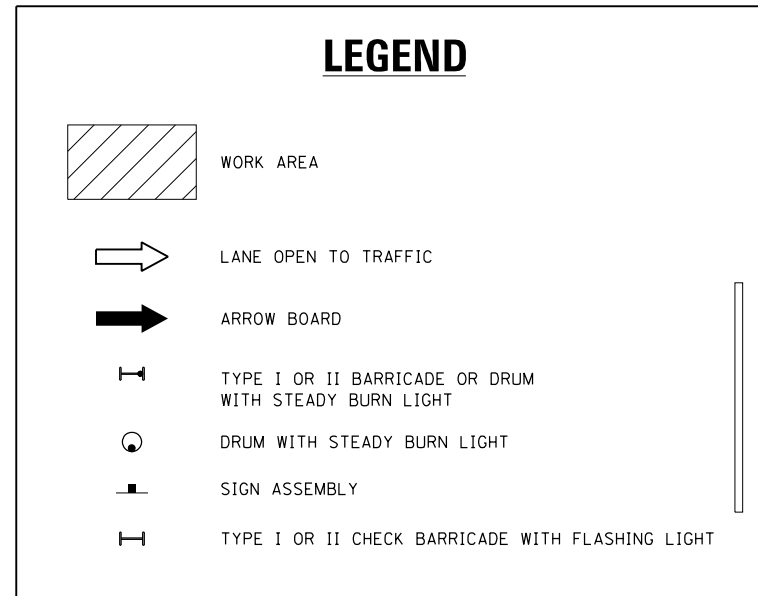


**FIGURE 1**

# TURN BAY ENTRANCE WITHIN A LANE CLOSURE

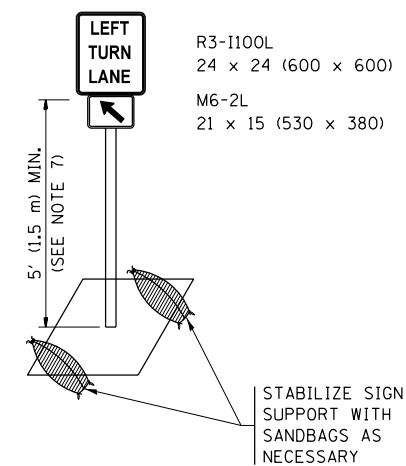


**FIGURE 2**



### 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 PREQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

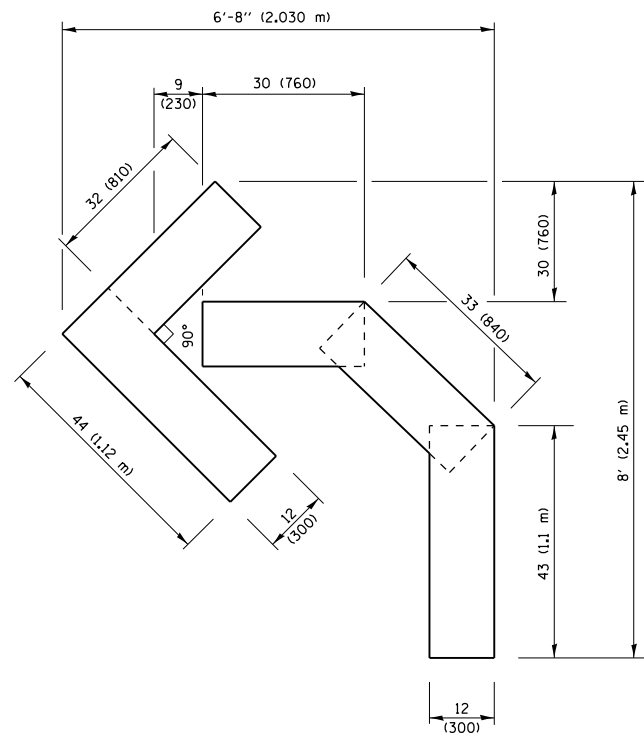


**DETAIL A**

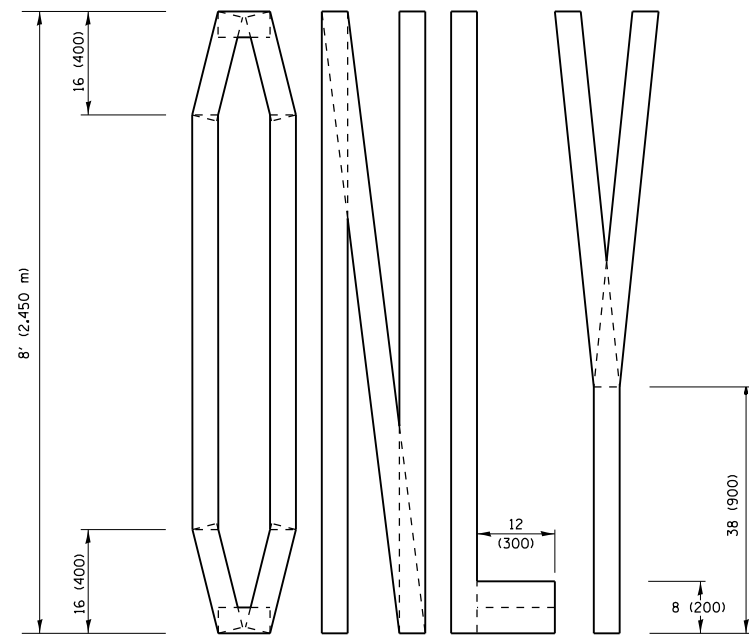
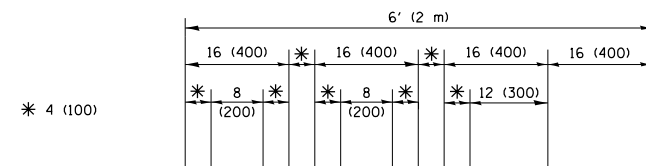
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = Velichkovv	REVISED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\0133718\REVISED Design\0133718-01\HOUSEH 11-07-95	REVISED - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13	REVISED - A. SCHUETZE 07-01-13			2798	2018-014-RS-SW	COOK	64	59
Default	PLOT SCALE = 100.0000' / in.	REVISED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16			<b>TC-14</b>		<b>CONTRACT NO. 62G76</b>		
	PLOT DATE = 5/30/2019	REVISED - T. RAMMACHER 01-06-00	REVISED -			SCALE: NONE		SHEET 1 OF 1 SHEETS		STA. TO STA.

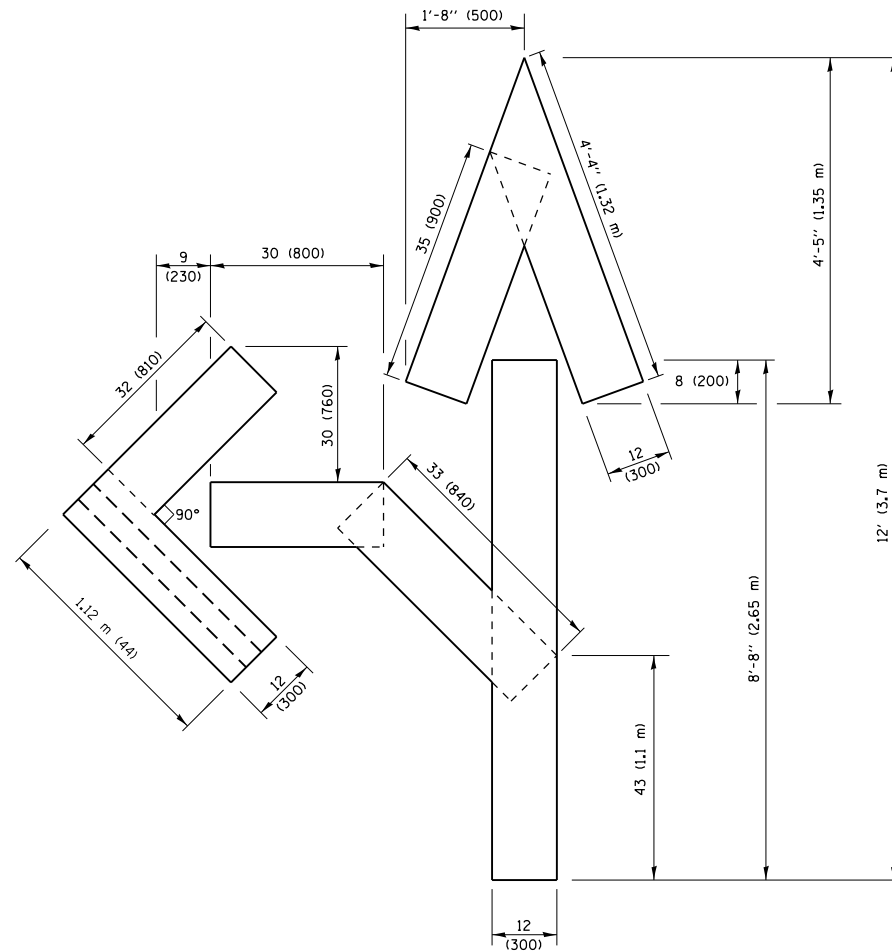
ILLINOIS FED. AID PROJECT



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



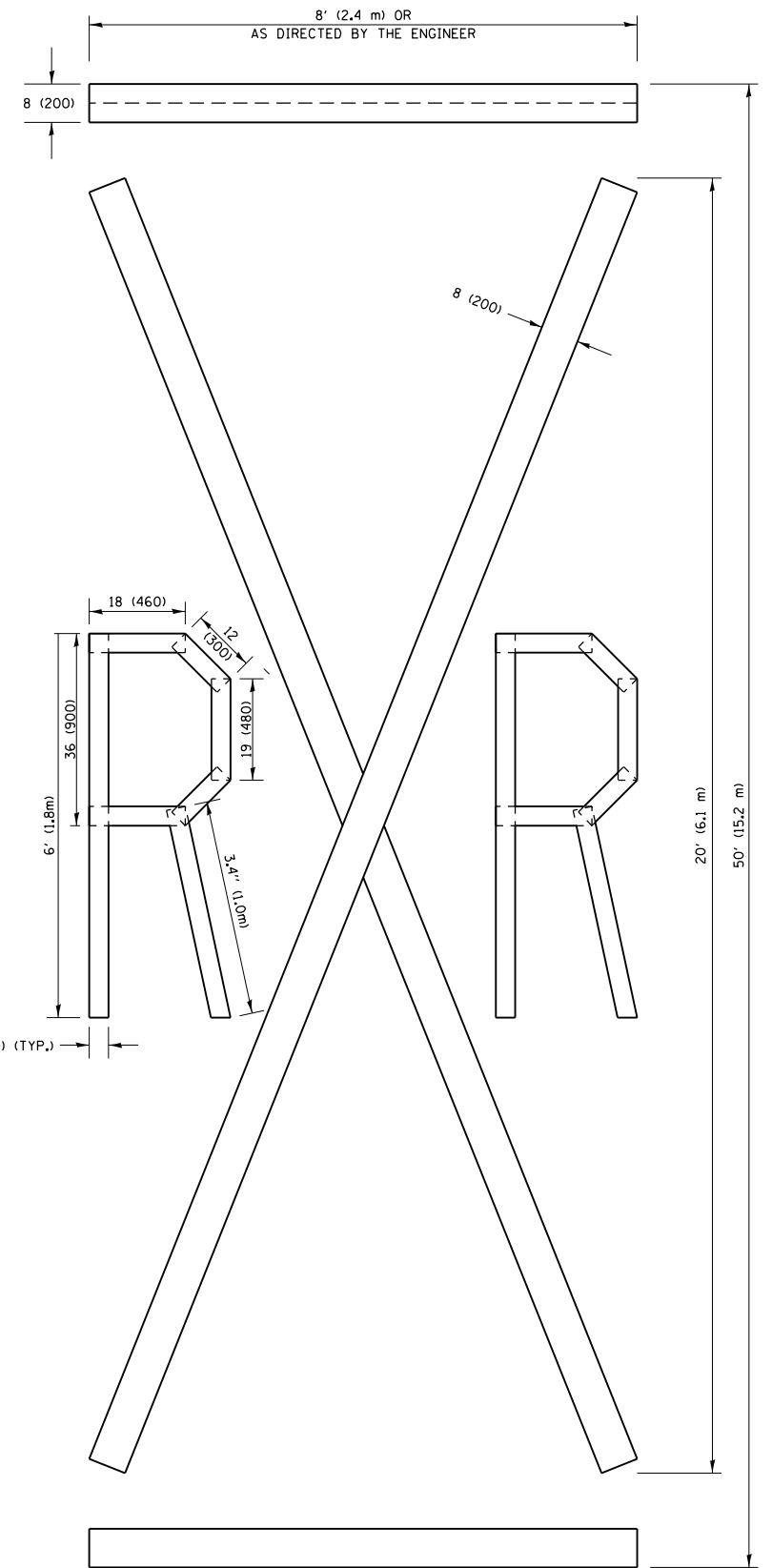
**QUANTITY**  
 4 (100) LINE = 64.1 ft. (19.5 m)  
 21.4 sq. ft. (1.99 sq. m)



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

**NOTE:**

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



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

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

FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
pw:\planroom.dot\illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\0133718\DRAWING\Design\DistStd.dgn		REVISOR -	REVISED - E. GOMEZ 08-28-00
		CHECKED -	REVISED - E. GOMEZ 08-28-00
		DATE -	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2798	2018-014-RS-SW	COOK	64	60
TC-16			CONTRACT NO. 62C76	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



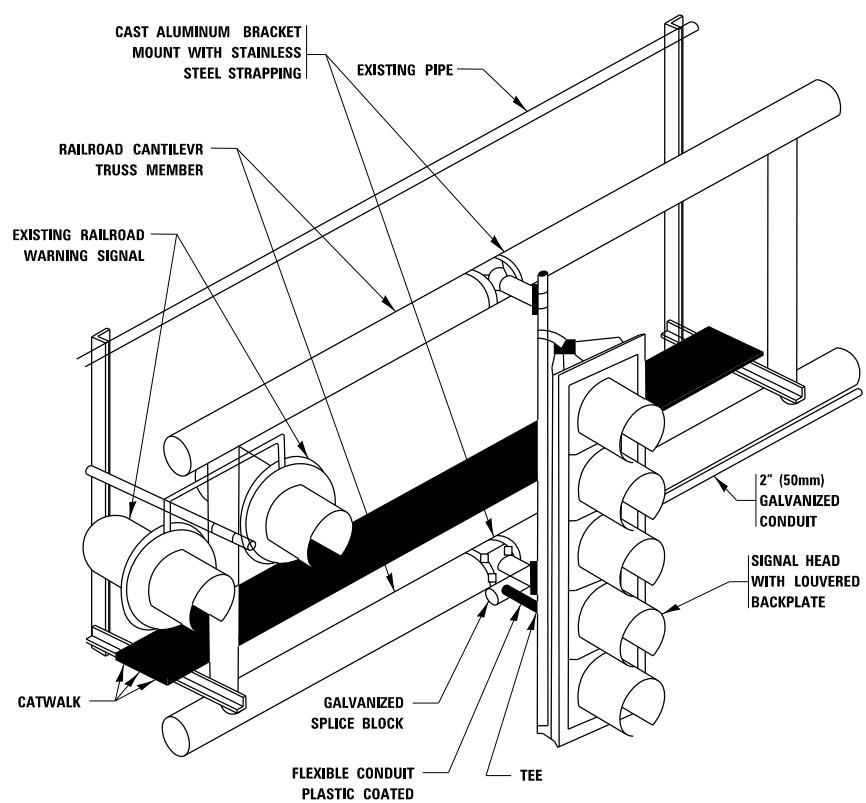


**NOTES:**

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

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

FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED - R. MIRS 09-15-97	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ARTERIAL ROAD INFORMATION SIGN</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\0133718\DRAWING\Design\DistStd.dgn		REVISOR -	REVISED - R. MIRS 12-11-97			2798	2018-014-R5-SW	COOK	64	61	
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99				<b>TC-22</b>		<b>CONTRACT NO. 62C76</b>			
PLOT DATE = 5/30/2019	DATE -	REVISED - C. JUCIUS 01-31-07				<small>FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT</small>					
				SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA.		TO STA.	



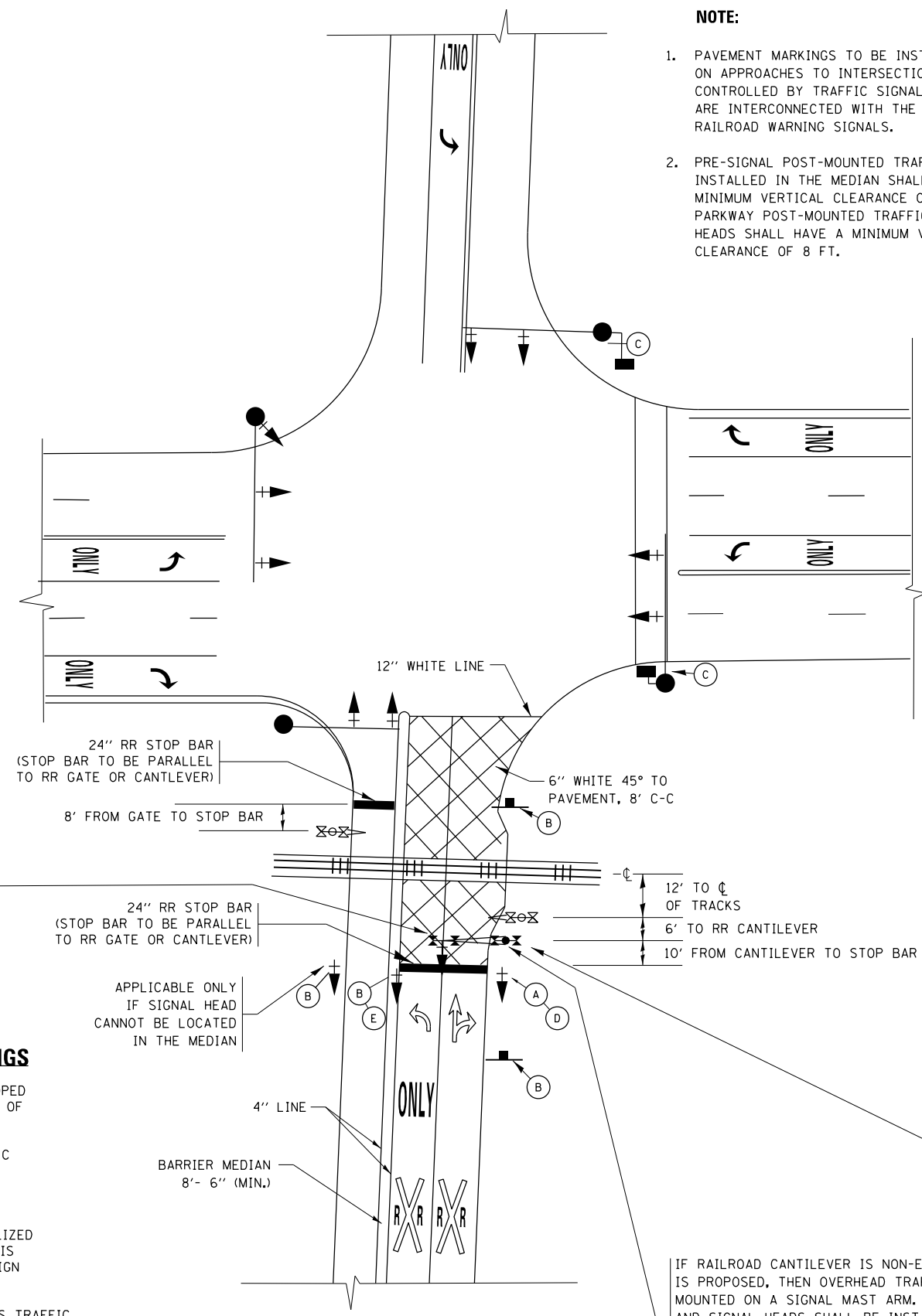
**RAILROAD CANTILEVER SIGNAL HEAD MOUNTING**  
 USE NON-CONDUCTIVE SPACERS BETWEEN THE TRAFFIC SIGNAL EQUIPMENT AND THE RAILROAD CANTILEVER TO PREVENT DISSIMILAR METAL CORROSION  
 N.T.S.

**SIGNING AND PAVEMENT MARKING AT RAILROAD CROSSINGS**

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

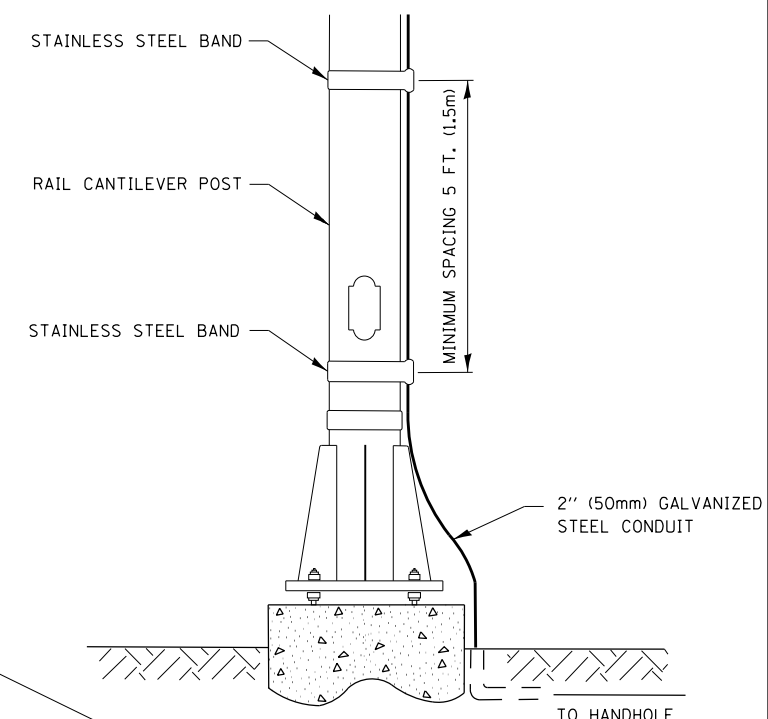
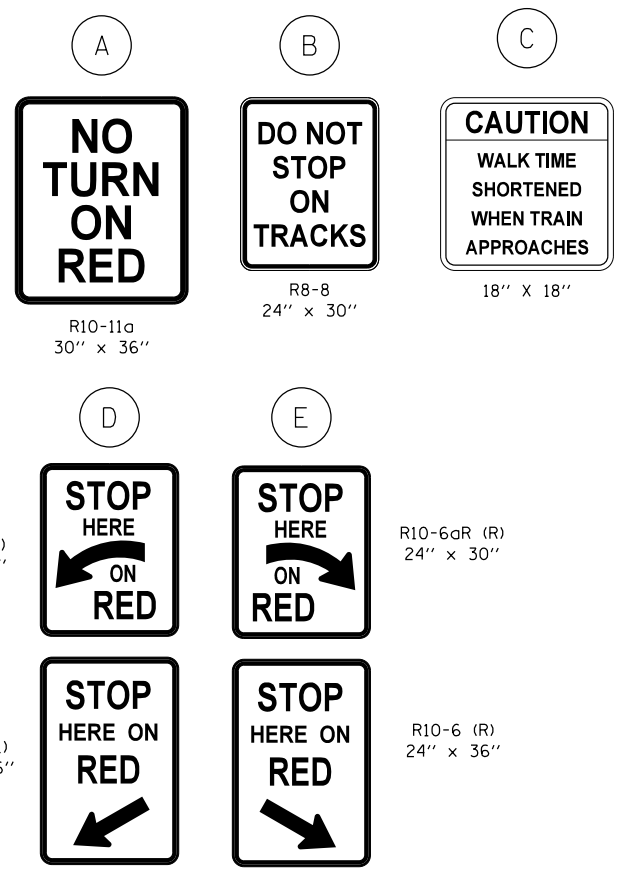
THIS APPLIES TO PROJECTS WHICH INCLUDE RAILROAD INTERCONNECTED TRAFFIC SIGNALS, WITH OR WITHOUT PRE-SIGNALS. THIS STANDARD ALSO APPLIES TO NON-SIGNALIZED INTERSECTIONS THAT ARE WITHIN 81 FEET OF A RAILROAD GRADE CROSSING. THE ILLINOIS SUPPLEMENT TO THE MUTCD SHOULD BE CONSULTED FOR ADDITIONAL INFORMATION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

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



**SIGNALIZED INTERSECTION WITH NEAR-SIDE TRAFFIC SIGNAL**

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



**SIGNAL CONDUIT CONNECTION TO RAIL CANTILEVER DETAIL**

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

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

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

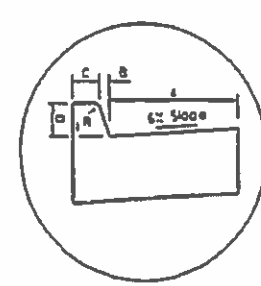
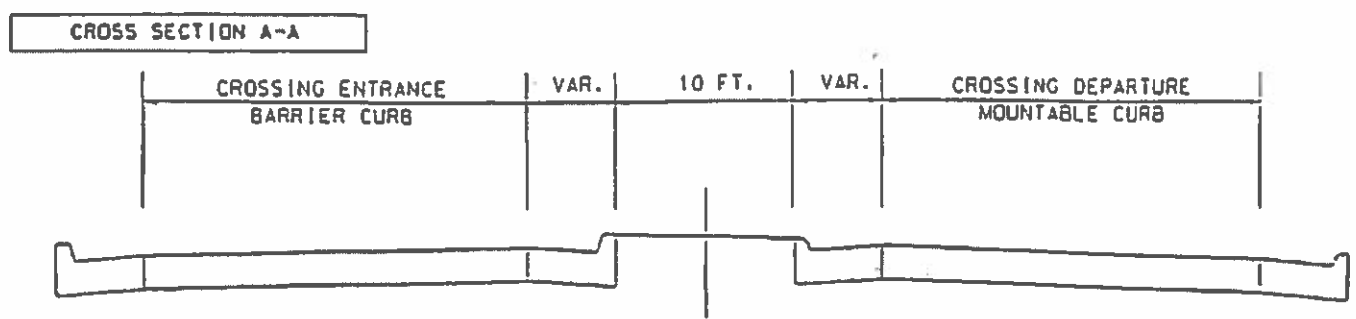
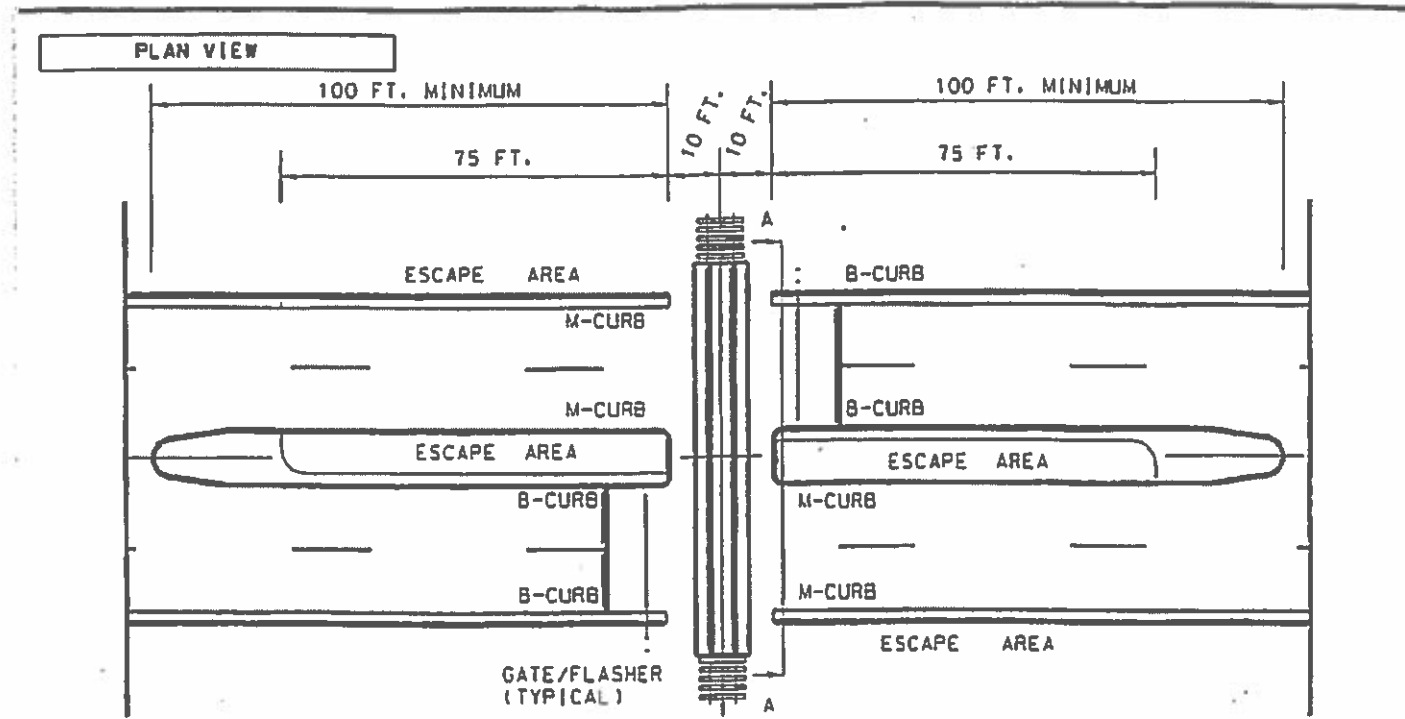
FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED - 02-25-11
p:\planroom.dot.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\0133718\Drawings\Design\DistStd.dgn		CHECKED -	REVISED - 04-26-12
Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED - A.R. 07-11-16
	PLOT DATE = 5/30/2019		REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

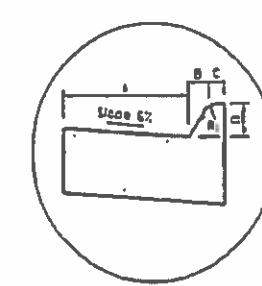
TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING  
 TREATMENT FOR RAILROAD CROSSINGS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2798	2018-014-R5-SW	COOK	64	62
TC-23		CONTRACT NO. 62C76		
ILLINOIS FED. AID PROJECT				



TYPE	A	B	C	D	R <sub>1</sub>
B-15.30 (B-6.12)	300 (12)	25 (1)	150 (6)	150 (6)	25 (1)
B-15.45 (B-6.18)	450 (18)	25 (1)	150 (6)	150 (6)	25 (1)
B-15.60 (B-6.24)	600 (24)	25 (1)	150 (6)	150 (6)	25 (1)
B-22.30 (B-9.12)	300 (12)	50 (2)	225 (9)	225 (9)	25 (1)
B-22.45 (B-9.18)	450 (18)	50 (2)	225 (9)	225 (9)	25 (1)
B-22.60 (B-9.24)	600 (24)	50 (2)	225 (9)	225 (9)	25 (1)



TYPE	A	B	C	D	R <sub>1</sub>	R <sub>2</sub>
M-5.35 (M-2.06)	150 (6)	50 (2)	100 (4)	50 (2)	75 (3)	50 (2)
M-5.30 (M-2.12)	300 (12)	50 (2)	100 (4)	50 (2)	75 (3)	50 (2)
M-10.75 (M-4.06)	150 (6)	100 (4)	75 (3)	100 (4)	75 (3)	NA
M-10.30 (M-4.12)	300 (12)	100 (4)	75 (3)	100 (4)	75 (3)	NA
M-10.45 (M-4.18)	450 (18)	100 (4)	75 (3)	100 (4)	75 (3)	NA

**NOTES:**

- FOR WIDER CROSS SECTIONS/ADDITIONAL LANES, A MEDIAN GATE MAY BE NECESSARY. COORDINATE WITH THE RAILROAD.
- USE M-2 WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH AND M-4 WHERE THE SPEED LIMIT IS LESS THAN 45 MPH.
- MINIMUM MEDIAN WIDTH IS 8FT-6IN. BACK OF CURB TO BACK OF CURB.
- ADDITIONAL MARRING OR SIGNING FOR ESCAPE AREA MAY BE UTILIZED (I.E. PAINTED CURBING; YELLOW FOR MEDIAN, WHITE FOR OUTSIDE).
- IF DRIVEWAYS ARE OPPOSITE THE ESCAPE AREA, M-4 CURB SHOULD BE UTILIZED.

**RECOMMENDED GUIDELINES**

MEDIAN AND CURB TREATMENTS  
AT  
HIGHWAY-RAIL INTERSECTIONS

ILLINOIS COMMERCE COMMISSION  
ILLINOIS DEPARTMENT OF TRANSPORTATION

MODEL: Dc2awt  
 FILE: HASE\_11a\_1.dwg  
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 PLOT DATE: 3/18/2019 10:53:00 AM

USER NAME = hahmed	DESIGNED -	REVISED -
PLOT SCALE = 100 0000 / 1	DRAWN -	REVISED -
PLOT DATE = 3/18/2019	CHECKED -	REVISED -
	DATE -	REVISED -

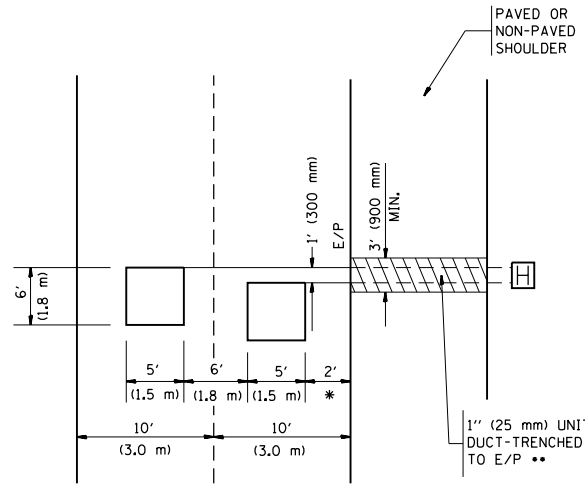
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SCALE SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
279B	2018 014 RS SW	COOK	64	63
CONTRACT NO 62G76				
ILLINOIS FED AID PROJECT				

LOOPS NEXT TO SHOULDERS

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



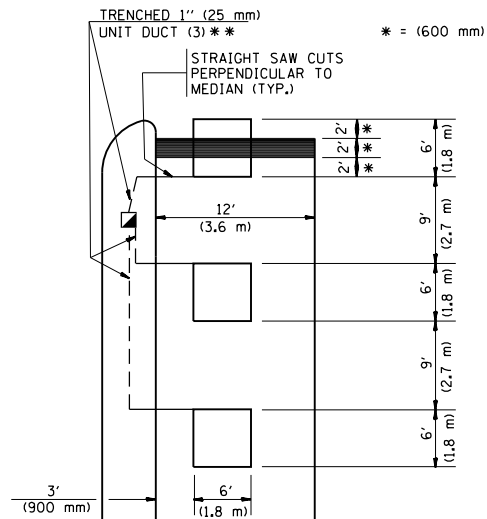
\* = (600 mm)

\*\* 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.

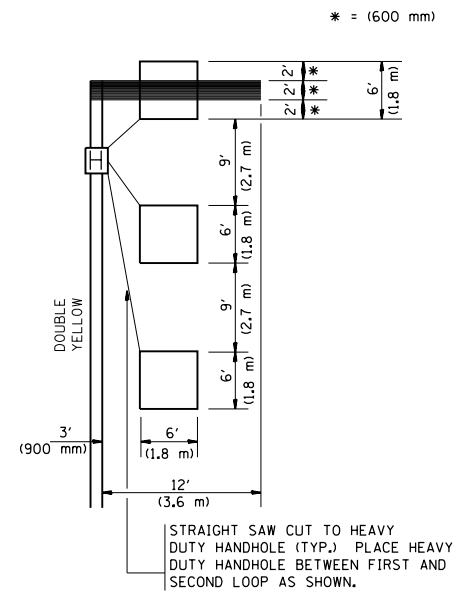


\*\* UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

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

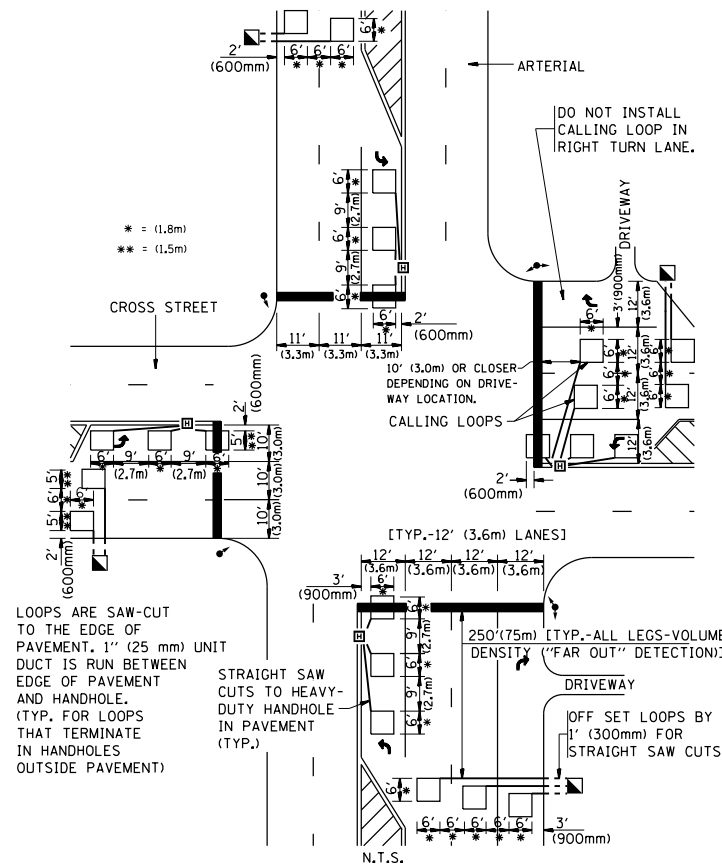
LEFT TURN LANES WITHOUT MEDIANS  
VOLUME DENSITY ("FAR OUT" DETECTION)  
ON SAME APPROACH

(PROTECTED / PERMITTED LEFT TURN PHASING)



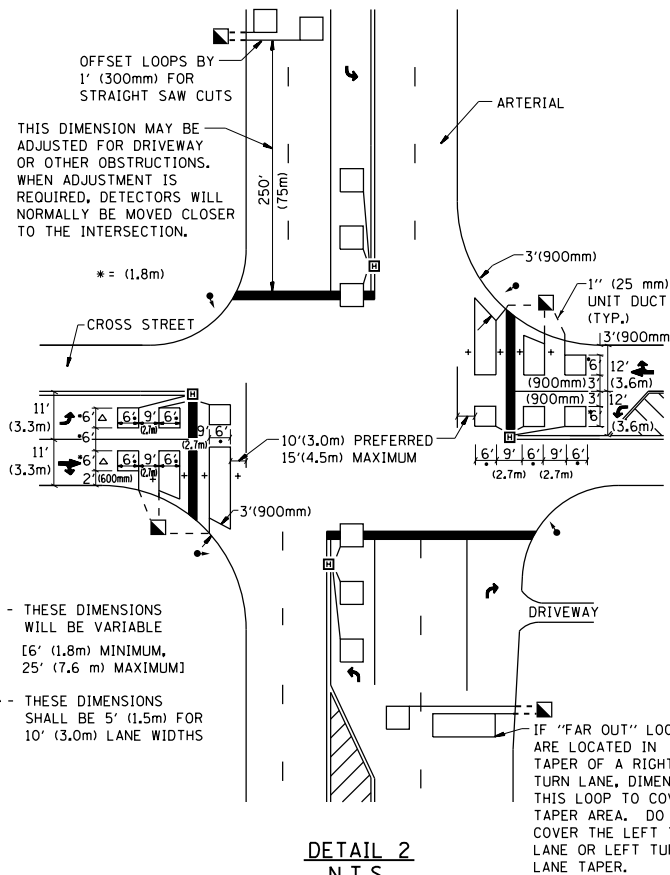
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

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



DETAIL 1  
N.T.S.

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



DETAIL 2  
N.T.S.

NOTES:

VEHICLES LOOP DETECTORS

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

PLACEMENT OF DETECTORS

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

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

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

NOTE:

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

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

FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING</b>	F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\0133718\Drawings\Design\DistStd.dgn		CHECKED - R.K.F.	REVISED -			2798	2018-014-R5-SW	COOK	64	64
PLOT SCALE = 100.0000' / 1in.		DATE -	REVISED -			<b>TS-07</b>		<b>CONTRACT NO. 62C76</b>		
PLOT DATE = 5/30/2019			REVISED -			SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	