

06-17-2022 LETTING ITEM 105

INDEX OF SHEETS
FOR INDEX OF SHEETS, SEE SHEET NO. 2

INDEX OF HIGHWAY STANDARDS
FOR INDEX OF HIGHWAY STANDARDS, SEE SHEET NO. 2

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

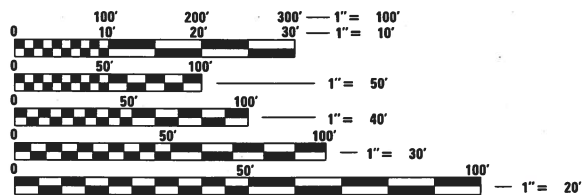
PLANS FOR PROPOSED
FEDERAL AID HIGHWAY

FAU ROUTE 1103 (NATIONAL PARKWAY)
WOODFIELD ROAD TO HIGGINS ROAD
RESURFACING & LIGHTING
SECTION 16-00127-02-PV
PROJECT SRWB(162)
VILLAGE OF SCHAUMBURG
COOK COUNTY

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-02-PV	COOK	43	1
FED. ROAD DIST. NO. 1		ILLINOIS	CONTRACT NO. 61H65	

DESIGN SPEED: NATIONAL PARKWAY - 35 MPH
POSTED SPEED: NATIONAL PARKWAY - 30 MPH

DESIGN DESIGNATIONS:
NATIONAL PARKWAY - 9,300 (2040) MINOR COLLECTOR



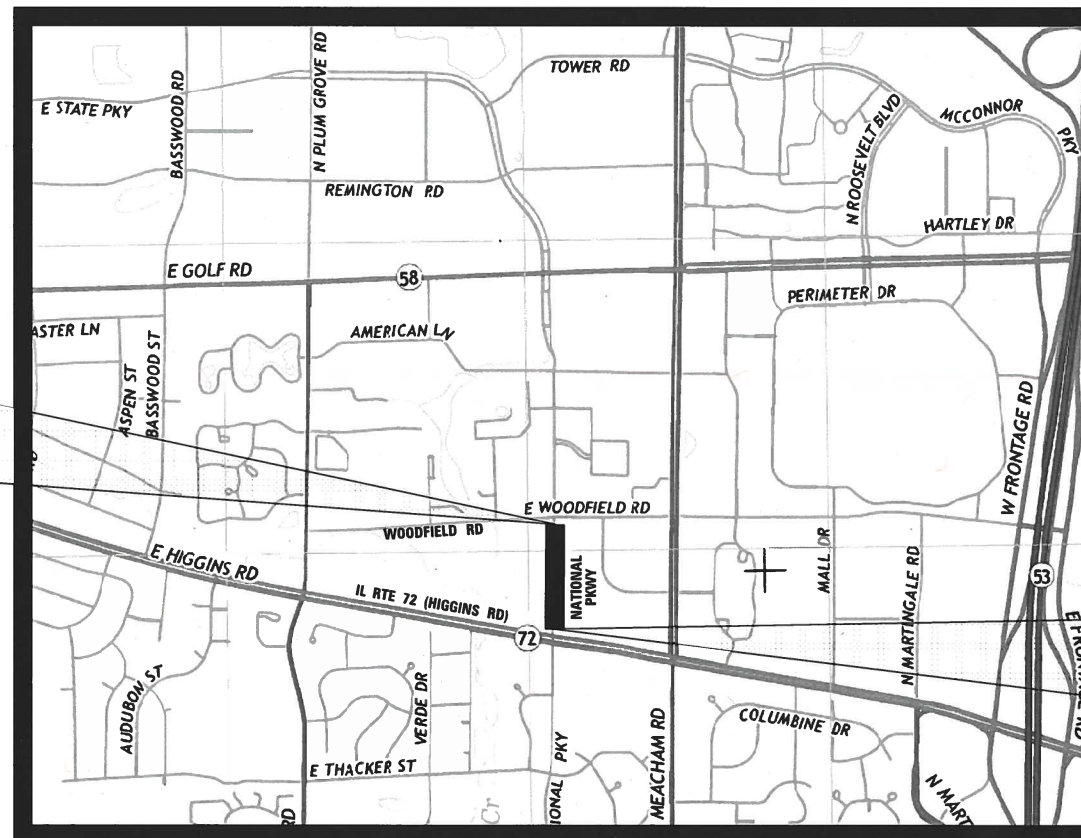
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

MEADE ELECTRIC CO. DISTRICT ONE MAINTENANCE
CONTRACTOR LOCATES IDOT ELECTRICAL EQUIPMENT
AND UNDERGROUND CABLES 773-287-7672

CONTRACT NO. 61H65

R 10 E C-91-190-21 3RD PM



SCHAUMBURG TOWNSHIP LOCATION MAP NOT TO SCALE
PROJECT LENGTH (NET AND GROSS):
NATIONAL PARKWAY - 1,120.79 FT. (0.212 MILE)
TOTAL - 1,120.79 FT. (0.212 MILE)



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED: January 12, 2022
[Signature]
VILLAGE OF SCHAUMBURG ENGINEERING DIVISION MANAGER

PASSED: FEB 15, 2022
[Signature]
DISTRICT ONE ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID
BASED ON LIMITED
REVIEW: FEBRUARY 15, 2022
[Signature]
REGIONAL ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS



SIGNED: [Signature]
DATE: 01-12-2022 EXPIRES 11-30-2023



SIGNED: [Signature]
DATE: 01-12-2022 EXPIRES 11-30-2023
FOR DRAWINGS 26 TO 33



FOR DRAWINGS 1 TO 25 AND 34 TO 43
Two Pierce Place, Suite 1400 - Itasca, Illinois 60143
Tel: 630.773.3900 - Fax: 630.773.3975
www.civiltechinc.com

FEDERAL AID DESIGN PROGRAM ENGINEER: CARMEN E. RAMOS, P.E., SCHAUMBURG, IL

PLAN	SURVEYED	DATE
	PLOTTED	BY
NOTE BOOK NO.	ALIGNMENT CHECKED	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
NOTE BOOK NO.	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, HIGHWAY STANDARDS, AND GENERAL NOTES
3	GENERAL NOTES AND COMMITMENTS
4 TO 9	SUMMARY OF QUANTITIES
10 TO 11	TYPICAL SECTIONS
12	ALIGNMENT, TIES, AND BENCHMARKS
13 TO 15	RESURFACING PLAN
16	MAINTENANCE OF TRAFFIC GENERAL NOTES
17 TO 19	DRAINAGE AND UTILITIES
20 TO 24	ADA GRADING PLAN
25	PAVEMENT MARKING AND SIGNING PLAN
26 TO 33	LIGHTING PLAN
34 TO 43	CONSTRUCTION DETAILS AND DISTRICT ONE DETAILS

GENERAL NOTES

SPECIFICATIONS, STANDARDS AND SPECIAL PROVISIONS

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ("STANDARD SPECIFICATIONS"), ADOPTED JANUARY 1, 2022; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2022; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", (IMUTCD); "THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" EIGHTH EDITION, "AMERICAN STANDARDS FOR NURSERY STOCK, 2004 EDITION"; THE DETAILS IN THE PLANS, AND THE SPECIAL PROVISIONS AND IDOT STANDARD DRAWINGS INCLUDED IN THE CONTRACT DOCUMENTS.
- NO WORK SHALL COMMENCE UNTIL TRAFFIC CONTROL REQUIREMENTS ARE MET.
- ALL UTILITY COMPANIES, SCHOOL DISTRICT 54 (847-357-5000), TOWNSHIP HIGH SCHOOL DISTRICT 211 (847-755-6600), SCHAUMBURG FIRE DEPARTMENT (847-923-6750), AND SCHAUMBURG POLICE DEPARTMENT (847-882-3534) SHALL BE NOTIFIED BY THE CONTRACTOR AT LEAST 72 HOURS PRIOR TO THE START OF CONSTRUCTION.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
- THE CONTRACTOR IS PROHIBITED FROM BURNING ANY MATERIAL WITHIN OR ADJACENT TO THE PROJECT LIMITS. ALL EXCESS OR WASTE MATERIAL SHALL BE EITHER HAULED AWAY FROM THE PROJECT SITE BY THE CONTRACTOR AND DEPOSITED AT LOCATIONS PROVIDED BY HIM/HER, OR DISPOSED OF WITHIN THE RIGHT-OF-WAY IN A MANNER OTHER THAN BURNING, SUBJECT TO THE APPROVAL OF THE ENGINEER.

PAVING, CURB & GUTTER AND SIDEWALK

- HOT-MIX ASPHALT BINDER COURSE SHALL NOT BE PLACED ADJACENT TO CURB AND GUTTER UNTIL THE CURB AND GUTTER HAS BEEN PROPERLY CURED AND BACKFILLED TO THE SATISFACTION OF THE ENGINEER.
- HOT-MIX ASPHALT SURFACE COURSE SHALL NOT BE PLACED UNTIL ALL EARTH EXCAVATION, TOPSOIL PLACEMENT, AND HOT-MIX ASPHALT BINDER COURSE HAVE BEEN COMPLETED TO THE SATISFACTION OF THE ENGINEER.
- THE THICKNESSES OF HOT-MIX ASPHALT MIXTURES SHOWN ON THE PLANS ARE NOMINAL. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE SURFACE, BINDER, OR BASE UPON WHICH THE HOT-MIX ASPHALT MATERIALS ARE PLACED.
- ALL REFERENCES IN THE HIGHWAY STANDARDS AND STANDARD SPECIFICATIONS FOR REINFORCEMENT, DOWEL BARS, AND TIE BARS IN PAVEMENT, SHOULDERS, CURB, GUTTER, COMBINATION CURB AND GUTTER, MEDIAN, AND CHAIR SUPPORTS FOR CRC PAVEMENT, SHALL BE EPOXY COATED, UNLESS NOTED ON THE PLAN.
- CURB AND GUTTER REMOVAL AND REPLACEMENT, SIDEWALK REMOVAL AND REPLACEMENT, PATCHING, AND STRUCTURES TO BE ADJUSTED WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.

TREE PROTECTION

- THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE PRESERVATION OF EXISTING TREES IS OF THE UTMOST IMPORTANCE TO THE VILLAGE. ALL TREE PROTECTION, TREE REMOVAL, TREE PRUNING AND ROOT PRUNING SHALL BE COMPLETED BEFORE CONSTRUCTION OPERATIONS COMMENCE IN ANY AREA. AT NO TIME SHALL THE CONTRACTOR PRUNE OR REMOVE ANY TREES UNLESS SPECIFICALLY DIRECTED BY THE ENGINEER.
- TEMPORARY FENCE SHALL BE ERECTED ALONG THE DRIP LINE OF EXISTING TREES TO REMAIN WHEN DIRECTED BY THE ENGINEER. AFTER TREES ARE SAFELY FENCED NOTHING IS TO BE STORED, DRIVEN, OR DISTURBED INSIDE THE FENCE. REMOVE PROTECTIVE TEMPORARY FENCE ONLY AFTER ALL CONSTRUCTION WORK HAS BEEN COMPLETED.

UTILITIES

- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES. THE LOCATION OF PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND THE ENGINEER DOES NOT GUARANTEE THEIR ACCURACY.
- COORDINATION OF ANY UTILITY WORK INVOLVED IN THE CONSTRUCTION AREA WILL BE DISCUSSED AT THE PRECONSTRUCTION CONFERENCE.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 1-800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, GAS, WATER, SEWER AND CABLE TELEVISION FACILITIES. (48 HOURS NOTIFICATION IS REQUIRED.)
- ANY EXISTING OR PROPOSED SEWER DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL SURFACE AND UNDERGROUND UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER AS COORDINATED WITH THE UTILITY OWNER. THE CONTRACTOR SHALL NOTIFY ALL UTILITY OWNERS OF HIS/HER CONSTRUCTION SCHEDULE AND SHALL COORDINATE CONSTRUCTION OPERATIONS WITH THE UTILITY OWNERS SO THAT THE RELOCATION OF UTILITY LINES AND STRUCTURES MAY PROCEED IN AN ORDERLY MANNER. NOTIFICATION SHALL BE IN WRITING, WITH COPIES TRANSMITTED TO THE ENGINEER.
- STRUCTURE ADJUSTMENTS AND RECONSTRUCTIONS HAVE BEEN SHOWN BASED ON FIELD INVESTIGATIONS. THE FINAL DETERMINATION FOR WHETHER THE WORK TO BE PERFORMED IS AN ADJUSTMENT OR RECONSTRUCTION WILL BE MADE BY THE ENGINEER IN THE FIELD.

HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424026-03	ENTRANCE / ALLEY PEDESTRIAN CROSSINGS
442201-03	CLASS C AND D PATCHES
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
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 OPERATION, FOR SPEEDS <= 40 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
780001-05	TYPICAL PAVEMENT MARKINGS

IDOT DISTRICT ONE STANDARDS

BD-08	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING
BD-32	BUTT JOINT AND HMA TAPER DETAILS
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-14	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
TC-16	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS
TC-22	ARTERIAL ROAD INFORMATION SIGN
TC-26	DRIVEWAY ENTRANCE SIGNING
TS-07	DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING

MODEL: \$MODELNAME\$
FILE NAME: ...13249 Notes.dgn

USER NAME = djk	DESIGNED - JAT	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, HIGHWAY STANDARDS, AND GENERAL NOTES	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - JAT	REVISED -			1103	16-00127-02-PV	COOK	43	2
PLOT SCALE = 100.0000' / in.	CHECKED - DJK	REVISED -			CONTRACT NO. 61H65				
PLOT DATE = 2/10/2022	DATE - 01/12/2022	REVISED -			ILLINOIS				
					SHEET 1 OF 2 SHEETS				

GENERAL NOTES (CONTINUED)

STAKING

1. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS OR PROPERTY OR REFERENCE MARKERS UNTIL THE ENGINEER OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.
2. ALL RADII FOR PROPOSED CURB AND GUTTER ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
3. THE STATION/OFFSET/ELEVATIONS NOTED FOR ALL DRAINAGE STRUCTURES LOCATED IN THE CURB LINE REFER TO THE POSITION OF THE ADJACENT PROPOSED EDGE OF PAVEMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE OFFSET NECESSARY FOR EACH STRUCTURE TO SET THE FRAME AND GRATE IN THE PROPER LOCATION. ALL OTHER STRUCTURES ARE DIMENSIONED TO THE CENTER OF STRUCTURE.
4. PAVEMENT GRADES: THE ELEVATIONS INDICATED ON THE PLANS ARE FINISHED GRADES OF PROPOSED PAVEMENT OR SIDEWALK, UNLESS OTHERWISE INDICATED.
5. THE CONSTRUCTION BASELINE HAS BEEN ESTABLISHED FOR STAKING PURPOSES ONLY AND IS NOT INTENDED TO BE A CENTERLINE OF RIGHT-OF-WAY.

EROSION CONTROL

1. ALL VEGETATIVE AND STRUCTURAL EROSION CONTROL PRACTICES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE MINIMUM STANDARDS AND SPECIFICATIONS OF THE "ILLINOIS PROCEDURES AND STANDARDS FOR URBAN SOIL EROSION AND SEDIMENTATION CONTROL" AND THE "STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" OF THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY.
2. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.
3. THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PERIODICALLY AND AFTER EACH RUNOFF-PRODUCING RAINFALL EVENT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF SAID MEASURES SHALL BE MADE IMMEDIATELY.
4. ALL STORM SEWER FACILITIES THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED, FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT. MUD AND SEDIMENT DEPOSITS SHALL BE REMOVED FROM THE ROADWAY AT THE END OF EACH WORK DAY BY SHOVELING AND/OR SWEEPING.
5. ALL SLOPES SHALL BE COVERED WITH SOD AS GRADING AND PLACEMENT OF TOPSOIL HAS BEEN COMPLETED. THE LIMITS OF THE SOD SHALL BE THE LIMITS OF GRADING.
6. INLET FILTERS SHALL BE PLACED ON ALL CATCH BASINS, INLETS, AND MANHOLES WITH OPEN GRATES IN THE CURB AND GUTTER.
7. THE SURFACE OF ALL STRIPPED AREAS SHALL BE PERMANENTLY OR TEMPORARILY PROTECTED FROM SOIL EROSION WITHIN 14 DAYS AFTER FINAL GRADE IS REACHED. STRIPPED AREAS THAT WILL REMAIN UNDISTURBED FOR MORE THAN 14 DAYS AFTER INITIAL DISTURBANCE SHALL BE PROTECTED FROM EROSION WITH THE USE OF TEMPORARY EROSION CONTROL SEEDING. TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES SHALL BE MAINTAINED CONTINUOUSLY UNTIL PERMANENT COVER IS ESTABLISHED.

LANDSCAPING

1. RESTORATION WORK WILL BE PAID FOR UP TO TWO FEET ADJACENT TO RECONSTRUCTED CURB AND GUTTER, BIKEPATH, OR SIDEWALK. AREAS OUTSIDE THE TWO FOOT ZONE THAT ARE DAMAGED OR DISTURBED BY THE CONTRACTOR SHALL BE RESTORED BY THE CONTRACTOR.
2. THE PAY ITEM SHREDDED BARK MULCH, 4" HAS BEEN INCLUDED TO RESTORE EXISTING LANDSCAPE BEDS IMPACTED BY THE REPLACEMENT OF SIDEWALK AND BIKE PATHS.
3. WHEN DIRECTED BY THE ENGINEER, SUPPLEMENTAL WATERING SHALL BE APPLIED TO ALL SODDED AREAS PRIOR TO FINAL ACCEPTANCE AT A RATE SPECIFIED BY THE ENGINEER.

MISCELLANEOUS

1. UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER, ALL EXISTING ACCESS POINTS SHALL BE MAINTAINED AT ALL TIMES BY THE CONTRACTOR.
2. THE CONTRACTOR SHALL NOT CROSS COMPLETED BINDER COURSE, OR EXISTING PAVEMENT NOT SCHEDULED TO BE REMOVED, WITH CONSTRUCTION EQUIPMENT WHICH MAY DAMAGE THE PAVEMENT.

COMMITMENTS

1. NO EXCAVATION SHALL BE PERFORMED WITHIN THE STATE'S RIGHT-OF-WAY ALONG HIGGINS ROAD.

PLAN	SURVEYED	BY	DATE
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PROFILE	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK NO.	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		

MODEL: SH06LNAME5
FILE NAME: ...13249 Notes.dgn

USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 2/10/2022	DATE - 01/12/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES AND COMMITMENTS

SHEET 2 OF 2 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-02-PV	COOK	43	3
				CONTRACT NO. 61H65
		ILLINOIS		

PLAN	SUBMITTED	DATE
NOTE BOOK	PLOTTED	BY
NO.	ALIGNMENT CHECKED	
	GRADE CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	CADD FILE NAME	

PROFILE	SUBMITTED	DATE
NOTE BOOK	PLOTTED	BY
NO.	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	

SPECIAL PROVISION SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
					0005	0021	0042	0005
					RESURFACING 75% FEDERAL / 25% VILLAGE	SAFETY (LIGHTING) 75% FEDERAL / 25% VILLAGE	TRAINEES 75% FEDERAL / 25% VILLAGE	NON-PARTICIPATING 100% VILLAGE
	20101000	TEMPORARY FENCE	FOOT	960	960			
X	20101200	TREE ROOT PRUNING	EACH	24	24			
X	20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	24	24			
	20200100	EARTH EXCAVATION	CU YD	31	31			
	20800150	TRENCH BACKFILL	CU YD	18	18			
X	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	189	189			
	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	2	2			
	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	2	2			
	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	2	2			
X	25200110	SODDING, SALT TOLERANT	SQ YD	166	166			
	25200200	SUPPLEMENTAL WATERING	UNIT	10	10			
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	10	10			
	28000510	INLET FILTERS	EACH	12	12			
	31101180	SUBBASE GRANULAR MATERIAL, TYPE B 2"	SQ YD	105	105			
	35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	150	150			
	35800100	PREPARATION OF BASE	SQ YD	10	10			

MODEL: SMP06L00010001
FILE NAME: 16-00127-02-PV.dwg

USER NAME = djc	DESIGNED - JAT	REVISED -
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PLOT DATE = 2/10/2022	CHECKED - DJK	REVISED -
	DATE - 01/12/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SHEET 1 OF 6 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-02-PV	COOK	43	4
CONTRACT NO. 61H65			ILLINOIS	

DATE	
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GRADES CHECKED	
STRUCTURE NOTATIONS CHKD	
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NOTE BOOK NO.	

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GRADES CHECKED	
STRUCTURE NOTATIONS CHKD	
PROFILE	
NOTE BOOK NO.	

MODEL: BAOBDELMANES
FILE NAME: 16-00127-02-PV-500.dgn

SPECIAL PROVISION SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
					0005	0021	0042	0005
					RESURFACING 75% FEDERAL / 25% VILLAGE	SAFETY (LIGHTING) 75% FEDERAL / 25% VILLAGE	TRAINEES 75% FEDERAL / 25% VILLAGE	NON-PARTICIPATING 100% VILLAGE
	35800200	AGGREGATE BASE REPAIR	TON	2	2			
	40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	67	67			
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	5154	5154			
	40600370	LONGITUDINAL JOINT SEALANT	FOOT	4216	4216			
	40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	11	11			
	40600901	HOT-MIX ASPHALT BINDER COURSE (HAND METHOD), N70	TON	47	47			
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	124	124			
	40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	321	321			
	40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	25	25			
	40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	855	855			
	42001300	PROTECTIVE COAT	SQ YD	223	223			
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	943	943			
	44000160	HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4"	SQ YD	7636	7636			
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	393	393			
	44000600	SIDEWALK REMOVAL	SQ FT	736	736			
	44003100	MEDIAN REMOVAL	SQ FT	91	91			

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SHEET 2 OF 6 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-02-PV	COOK	43	5
CONTRACT NO. 61H65			ILLINOIS	

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X	44201761	CLASS D PATCHES, TYPE I, 10 INCH	SQ YD	72	72			
X	44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	299	299			
X	44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	247	247			
X	44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	857	857			
	550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	51	51			
	55100700	STORM SEWER REMOVAL 15"	FOOT	51	51			
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	137	137			
	60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	219	219			
	60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	37	37			
	60619600	CONCRETE MEDIAN, TYPE SB-6.12	SQ FT	58	58			
	60624600	CORRUGATED MEDIAN	SQ FT	33	33			
	67100100	MOBILIZATION	L SUM	1	1			
	70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1			
	70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1			
	70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1			
	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1			

MODEL: BMODELNAME\$
FILE NAME: ...3549 SHL SDO.dgn

USER NAME = djc	DESIGNED - JAT	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SHEET 3 OF 6 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-02-PV	COOK	43	6
ILLINOIS			CONTRACT NO. 61H65	

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	GRADES CHECKED	
	STRUCTURE NOTATION CHKD	

MODEL #MODELNAME
FILE NAME: ...3395.dwg

SPECIAL PROVISION SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
					0005	0021	0042	0005
					RESURFACING 75% FEDERAL / 25% VILLAGE	SAFETY (LIGHTING) 75% FEDERAL / 25% VILLAGE	TRAINEES 75% FEDERAL / 25% VILLAGE	NON-PARTICIPATING 100% VILLAGE
	70107025	CHANGEABLE MESSAGE SIGN	CAL DA	150	150			
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	1194	1194			
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	394	394			
	70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	255	255			
	70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	2739	2739			
	70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	859	859			
	70300251	TEMPORARY PAVEMENT MARKING - LINE 8"- PAINT	FOOT	196	196			
	70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	31	31			
	70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	13	13			
	72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	7	7			
	72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	1	1			
X	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	255	255			
X	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	2739	2739			
X	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	859	859			
X	78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	196	196			
X	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	31	31			

USER NAME = djc	DESIGNED - JAT	REVISED -
PLOT SCALE = 2.0000' / in.	DRAWN - JAT	REVISED -
PLOT DATE = 2/10/2022	CHECKED - DJK	REVISED -
	DATE - 01/12/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SHEET 4 OF 6 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-02-PV	COOK	43	7
ILLINOIS			CONTRACT NO. 61H65	

DATE	BY	SURVEYED	ALIGNED	CHECKED
PLAN	NOTE BOOK	NO.	NO.	NO.

DATE	BY	SURVEYED	ALIGNED	CHECKED
PROFILE	NOTE BOOK	NO.	NO.	NO.

SPECIAL PROVISION	SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
						0005	0021	0042	0005
						RESURFACING	SAFETY (LIGHTING)	TRAINEES	NON-PARTICIPATING
						75% FEDERAL / 25% VILLAGE	75% FEDERAL / 25% VILLAGE	75% FEDERAL / 25% VILLAGE	100% VILLAGE
	X	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	13	13			
	X	X	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	270		270	
	X		81800230	AERIAL CABLE, 2-1/C NO. 6 WITH MESSENGER WIRE	FOOT	800		800	
	X		81800330	AERIAL CABLE, 3-1/C NO. 6 WITH MESSENGER WIRE	FOOT	500		500	
	X		83600356	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 8 5/8" X 6'	EACH	9		9	
	X	X	84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	10		10	
	X	X	84200804	REMOVAL OF POLE FOUNDATION	EACH	10		10	
	X	X	88600600	DETECTOR LOOP REPLACEMENT	FOOT	190	190		
	X	X	89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	14576		14576	
	X		K1005482	SHREDDED BARK MULCH, 4"	SQ YD	23	23		
	X		X0327036	BIKE PATH REMOVAL	SQ YD	175	175		
	X	X	X1400238	LUMINAIRE, LED, SPECIAL	EACH	10		10	
	X		X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	100	100		
	X		X2503112	MOWING (SPECIAL)	SQ YD	3000			3000
	X		X4240800	DETECTABLE WARNINGS (SPECIAL)	SQ FT	120	120		
	X		X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	63	63		

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FILE NAME: ...3509 SHI_SCD.dwg

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PLOT SCALE = 2.0000' / in.	DRAWN - JAT	REVISED -
PLOT DATE = 2/10/2022	CHECKED - DJK	REVISED -
	DATE - 01/12/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SHEET 5 OF 6 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-02-PV	COOK	43	8
ILLINOIS			CONTRACT NO. 61H65	

PLAN	DATE
SURVEYED	BY
ALIGNMENT CHECKED	
CADD FILE NAME	
NOTE BOOK NO.	

PROFILE	DATE
DESIGNED	BY
GRADES CHECKED	
STRUCTURE NOTATIONS CHGD	
NOTE BOOK NO.	

MODEL: S:\MODEL\NAMES
FILE NAME: ...S49 SHI_S02.dgn

SPECIAL PROVISION	SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
						0005	0021	0042	0005
						RESURFACING 75% FEDERAL / 25% VILLAGE	SAFETY (LIGHTING) 75% FEDERAL / 25% VILLAGE	TRAINEES 75% FEDERAL / 25% VILLAGE	NON-PARTICIPATING 100% VILLAGE
X		X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	10	10			
X	X	X7200105	SIGN PANEL - TYPE 1 (SPECIAL)	SQ FT	43	43			
X	X	X7280105	TELESCOPING STEEL SIGN SUPPORT (SPECIAL)	FOOT	97	97			
X	X	X8163580	UNIT DUCT, 600V, 7-1C NO. 6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1-1/2" DIA. POLYETHYLENE	FOOT	1963		1963		
X	X	X8300001	LIGHT POLE, SPECIAL	EACH	10		10		
X	X	X8360215	LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	12		12		
X	X	X8380075	BREAKAWAY DEVICE, TRANSFORMER BASE, SPECIAL	EACH	10		10		
X		XX006821	CONCRETE TRUCK WASHOUT	L SUM	1	1			
X		XX006826	REMOVE AND RELOCATE LAWN SPRINKLER SYSTEM	FOOT	500				500
X		Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1			
X		Z0017700	DRAINAGE & UTILITY STRUCTURES TO BE RECONSTRUCTED	EACH	1	1			
X		Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	51	51			
X	X	Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	5		5		
X		Z0076600	TRAINEES	HOUR	500			500	
X		Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500			500	

USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 2/10/2022	DATE - 01/12/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

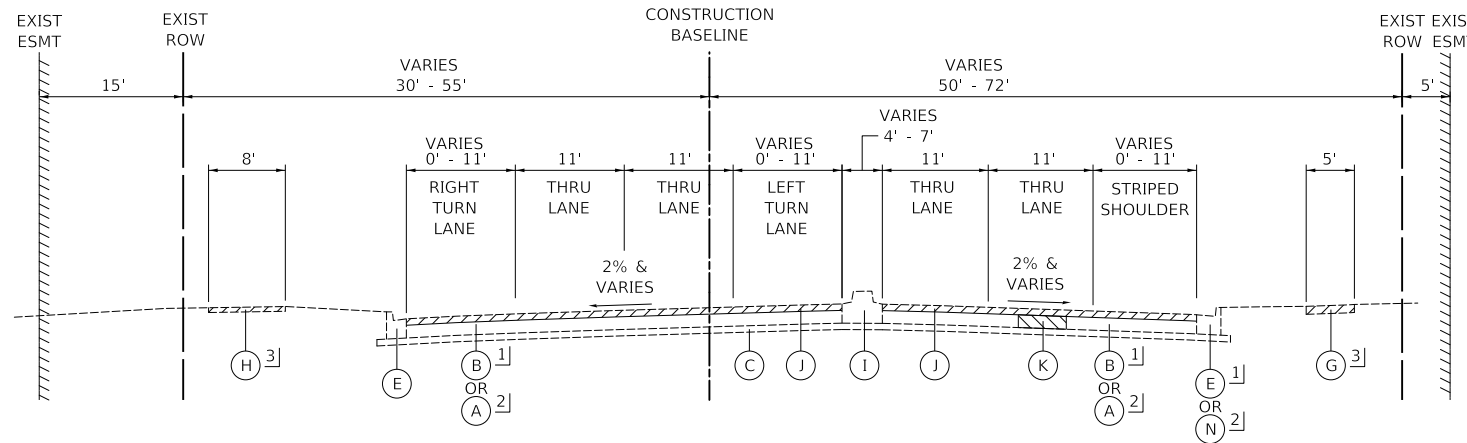
SUMMARY OF QUANTITIES

SHEET 6 OF 6 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-02-PV	COOK	43	9
ILLINOIS			CONTRACT NO. 61H65	

DATE	
BY	
SURVEYED	
PLOTTED	
ALIGNED	
CHECKED	
FILE NAME	
PLAN	
NOTE BOOK NO.	

DATE	
BY	
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PLOTTED	
GRADES CHECKED	
STRUCTURE NOTATIONS CHECKED	
PROFILE	
NOTE BOOK NO.	

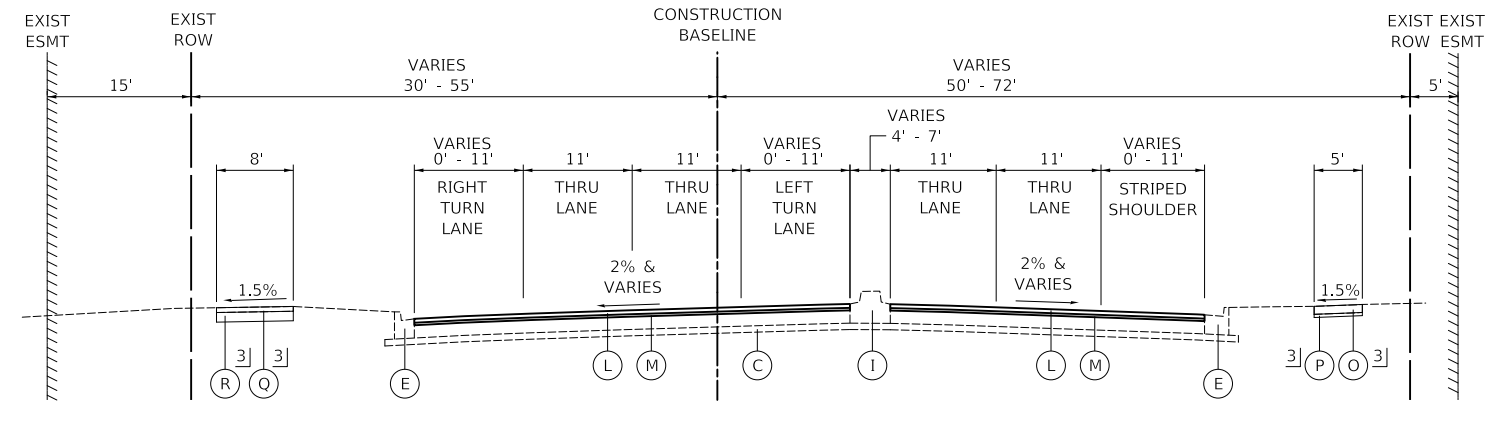


EXISTING TYPICAL SECTION
NATIONAL PARKWAY
STA. 349+93.62 TO STA. 352+94

- 1] STA. 349+93.62 TO STA. 351+80
- 2] STA. 351+80 TO STA. 352+94
- 3] REMOVAL/REPLACEMENT AT LOCATIONS SHOWN ON THE PLAN SHEETS AND AS DIRECTED BY THE ENGINEER

LEGEND

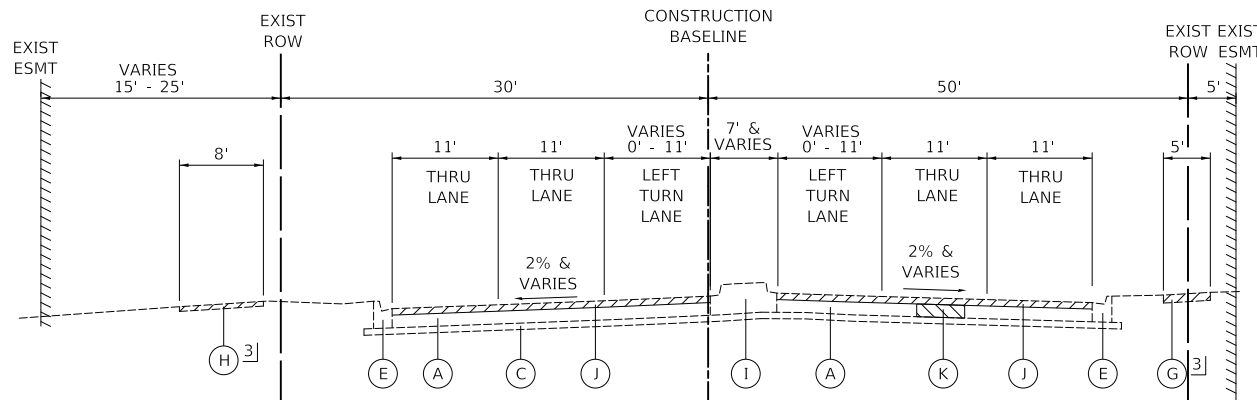
- (A) EXISTING H.M.A. PAVEMENT, 12"
- (B) EXISTING H.M.A. PAVEMENT, 10"
- (C) EXISTING AGGREGATE BASE, 4" & VARIES
- (D) EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (E) EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
- (F) EXISTING LANDSCAPED MEDIAN
- (G) EXISTING P.C.C. SIDEWALK



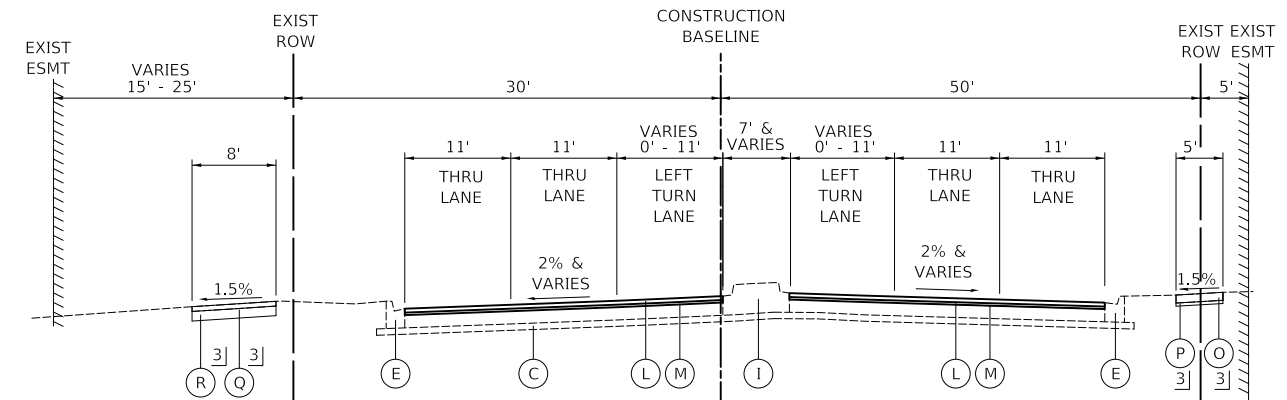
PROPOSED TYPICAL SECTION
NATIONAL PARKWAY
STA. 349+93.62 TO STA. 352+94

- (H) EXISTING HOT-MIX ASPHALT BIKEPATH
- (I) EXISTING CONCRETE MEDIAN, TYPE SB-6.12
- (J) HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4"
- (K) PROPOSED CLASS D PATCH (LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER)
- (L) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70 2"
- (M) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50 3/4"
- (N) EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (O) PCC SIDEWALK, 5 INCH
- (P) SUBBASE GRANULAR MATERIAL, TYPE B 2"
- (Q) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 3"
- (R) AGGREGATE BASE COURSE, TYPE B, 6"

- REMOVAL
- CLASS D PATCHES (THICKNESS AS SPECIFIED)



EXISTING TYPICAL SECTION
NATIONAL PARKWAY
STA. 352+94 TO STA. 355+93



PROPOSED TYPICAL SECTION
NATIONAL PARKWAY
STA. 352+94 TO STA. 355+93

MODEL: SHODELNAME
FILE NAME: ...13249 Typical Sections.dgn

USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 2/10/2022	DATE - 01/12/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

SHEET 1 OF 2 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-02-PV	COOK	43	10
			CONTRACT NO. 61H65	
ILLINOIS				

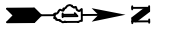
BENCHMARKS

TBM NO.	LOCATION	ELEVATION	DESCRIPTION
4	STA. 349+90, 60' RT	737.56	SQUARE CUT ON WEST SIDE OF CONC. BASE FOR TRAFFIC LIGHT W/ MAST ARM @ NE CORNER OF HIGGINS RD & NATIONAL PKWY.
3	STA. 361+16, 39' LT	735.87	SCHAUMBURG MON. #1199 - ALUM. DISC ON SW CORNER OF WOODFIELD RD. & NATIONAL PKWY.
2	STA. 376+97, 43' RT	731.36	SCHAUMBURG MON. #1160 - ALUM. DISC ON SE CORNER OF AMERICAN LN. & NATIONAL PKWY.

NOTE: DATUM IS NAVD '88 (GPS OBSERVED)

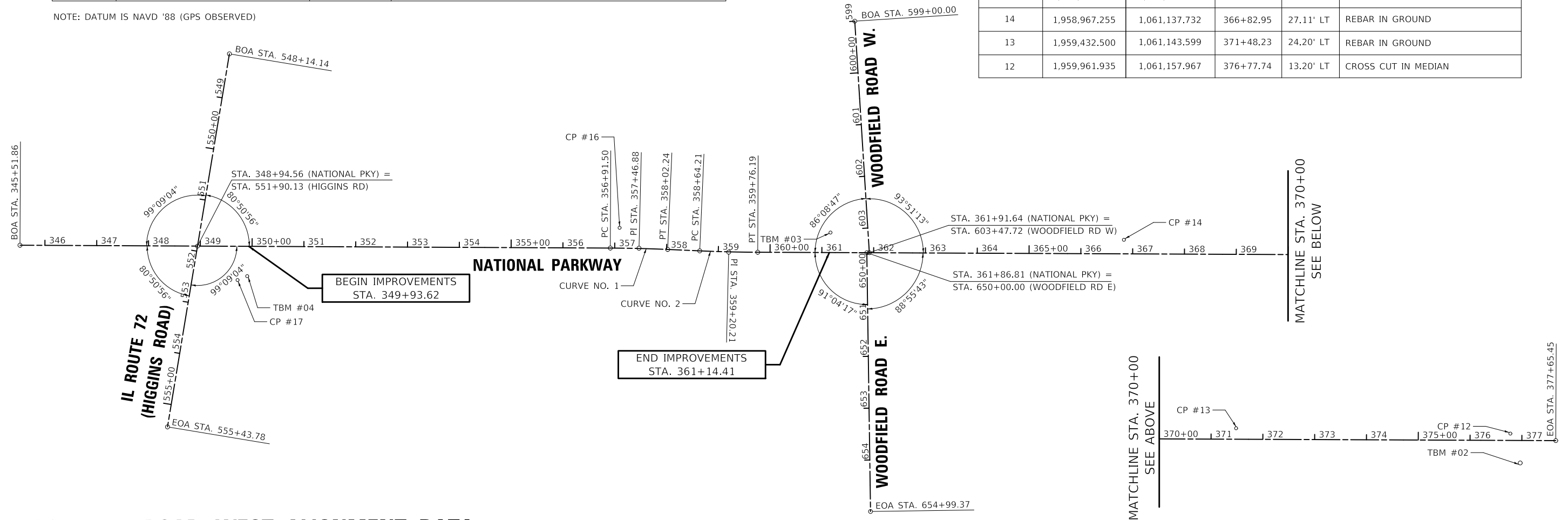
CONTROL POINTS

POINT NO.	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION
17	1,957,256.050	1,061,212.210	349+72.18	65.36' RT	CROSS CUT IN SIDEWALK
16	1,957,993.763	1,061,112.646	357+08.96	39.27' LT	REBAR IN GROUND
14	1,958,967.255	1,061,137.732	366+82.95	27.11' LT	REBAR IN GROUND
13	1,959,432.500	1,061,143.599	371+48.23	24.20' LT	REBAR IN GROUND
12	1,959,961.935	1,061,157.967	376+77.74	13.20' LT	CROSS CUT IN MEDIAN



PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	FILED	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTARIS	
	NO.	



WOODFIELD ROAD WEST ALIGNMENT DATA

POINT	STATION	NORTHING	EASTING
BOA	599+00.00	1,958,448.531	1,060,714.826
EOA	603+47.72	1,958,475.781	1,061,161.717

WOODFIELD ROAD EAST ALIGNMENT DATA

POINT	STATION	NORTHING	EASTING
BOA	650+00.00	1,958,470.944	1,061,161.686
EOA	654+99.37	1,958,477.109	1,061,661.019

HIGGINS ROAD ALIGNMENT DATA

POINT	STATION	NORTHING	EASTING
BOA	548+14.14	1,957,241.197	1,060,775.535
EOA	555+43.78	1,957,120.264	1,061,495.084

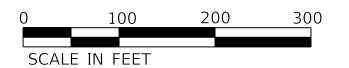
NATIONAL PARKWAY	
CURVE NO. 1	CURVE NO. 2
PI STA. = 357+46.88	PI STA. = 359+20.21
$\Delta = 2^\circ 12' 52.53''$ (RT)	$\Delta = 2^\circ 14' 22.66''$ (LT)
D = 1° 59' 59.47"	D = 1° 59' 59.97"
R = 2,865.00'	R = 2,864.80'
T = 55.38'	T = 56.00'
L = 110.74'	L = 111.98'
E = 0.54'	E = 0.55'
P.C. STA. = 356+91.50	P.C. STA. = 358+64.21
P.T. STA. = 358+02.04	P.T. STA. = 359+76.19

NATIONAL PARKWAY ALIGNMENT DATA

POINT	STATION	NORTHING	EASTING
BOA	345+51.86	1,956,836.183	1,061,144.000
PC	356+91.50	1,957,975.800	1,061,151.741
PI	357+46.88	1,958,031.175	1,061,152.117
PT	358+02.24	1,958,086.493	1,061,154.633
PC	358+64.21	1,958,148.396	1,061,157.448
PI	359+20.21	1,958,204.336	1,061,159.992
PT	359+76.19	1,958,260.333	1,061,160.348
EOA	377+65.45	1,960,049.557	1,061,171.719

NOTE:

BOA = BEGINNING OF ALIGNMENT
 PC = POINT OF CURVATURE
 PT = POINT OF TANGENCY
 PI = POINT OF INTERSECTION
 EOA = END OF ALIGNMENT
 TBM = TEMPORARY BENCHMARK
 CP = CONTROL POINT



MODEL: SMODELNAME
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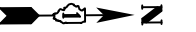
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PLOT DATE = 2/10/2022	DATE - 01/12/2022	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES, AND BENCHMARKS

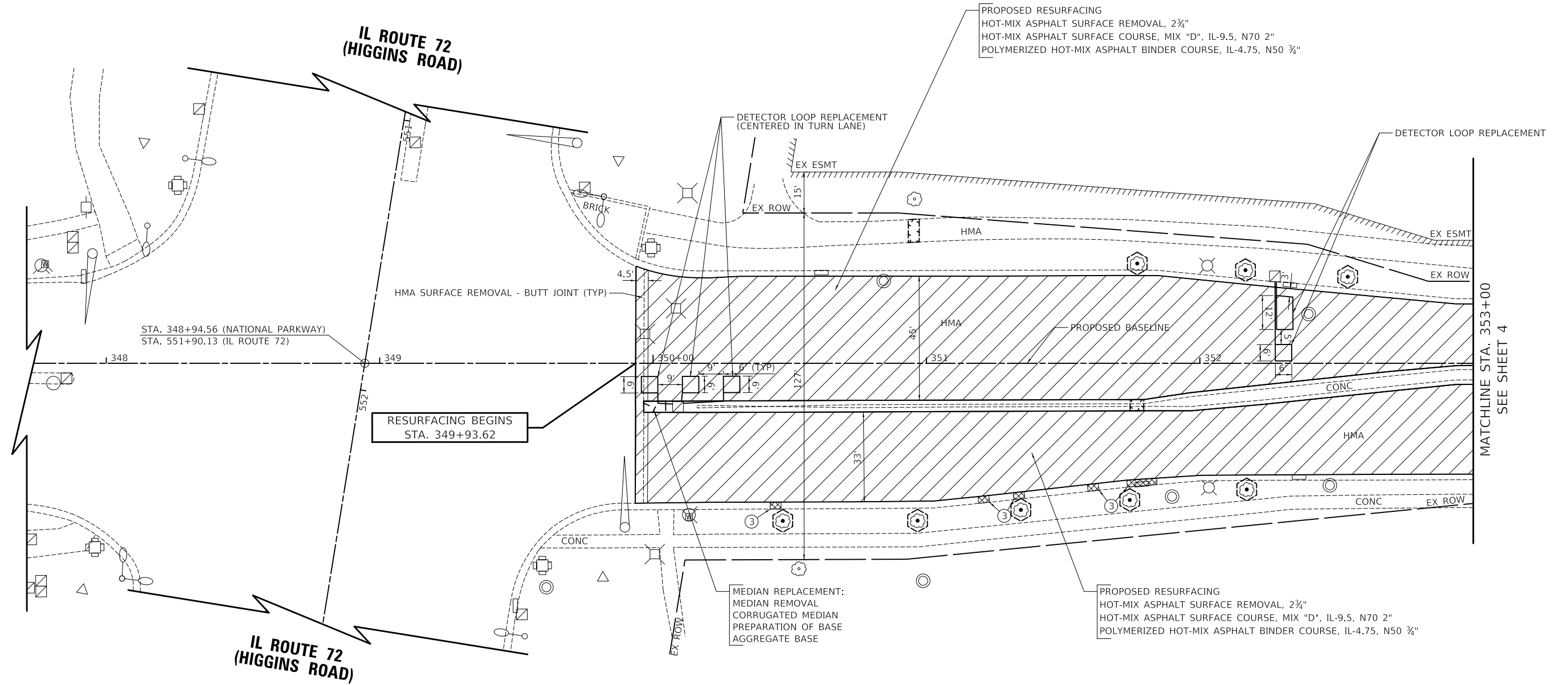
SCALE: 1" = 100' SHEET 1 OF 1 SHEETS STA. 354+00.00 TO STA. 384+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-02-PV	COOK	43	12
				CONTRACT NO. 61H65
ILLINOIS				



PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILE NAME	
	NO.	
	BY	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATION	
	NO.	
	BY	



LEGEND

- HMA SURFACE REMOVAL, 2 3/4"
- DETECTABLE WARNINGS (SPECIAL)
- SIDEWALK, BIKEPATH, AND MEDIAN REPLACEMENT
- COMBINATION CURB AND GUTTER REMOVAL
COMBINATION CONCRETE CURB AND GUTTER, OF THE TYPE SPECIFIED
- TEMPORARY FENCE
TREE ROOT PRUNING
TREE PRUNING

SIDEWALK REPLACEMENT SHALL CONSIST OF THE FOLLOWING:

- SIDEWALK REMOVAL
- PCC SIDEWALK, 5 INCH
- SUBBASE GRANULAR MATERIAL, TYPE B 2"

BIKEPATH REPLACEMENT SHALL CONSIST OF THE FOLLOWING:

- BIKE PATH REMOVAL
- HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 3"
- AGGREGATE BASE COURSE, TYPE B, 6"

MEDIAN REPLACEMENT SHALL CONSIST OF THE FOLLOWING (UNLESS OTHERWISE NOTED):

- MEDIAN REMOVAL
- CONCRETE MEDIAN, TYPE SB-6.12
- PREPARATION OF BASE
- AGGREGATE BASE REPAIR

- ① COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- ② COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
- ③ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24



NATIONAL PARKWAY

MODEL: SMODEL\MAMES...102-Plan And Profile\3549_Plan

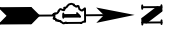
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PLOT DATE	= 2/10/2022	DATE	- 01/12/2022	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RESURFACING PLAN

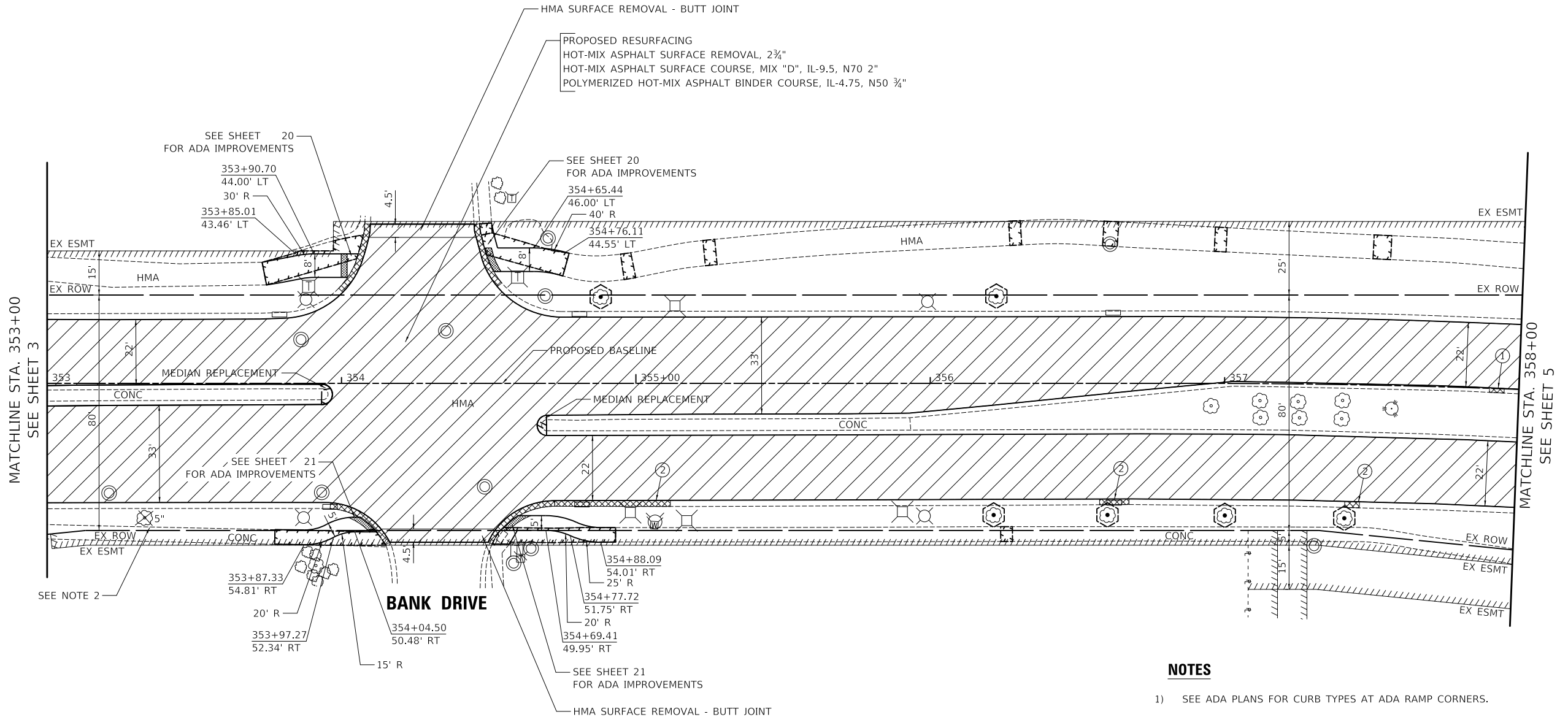
SCALE: 1" = 20' SHEET 1 OF 3 SHEETS STA. 348+00.00 TO STA. 353+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-02-PV	COOK	43	13
			CONTRACT NO. 61H65	
ILLINOIS				



PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	NO.	
	BY	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATION	
	NO.	
	BY	



LEGEND

- HMA SURFACE REMOVAL, 2 3/4"
- DETECTABLE WARNINGS (SPECIAL)
- SIDEWALK, BIKEPATH, AND MEDIAN REPLACEMENT
- COMBINATION CURB AND GUTTER REMOVAL
COMBINATION CONCRETE CURB AND GUTTER, OF THE TYPE SPECIFIED (SEE NOTE 1)
- TEMPORARY FENCE
TREE ROOT PRUNING
TREE PRUNING

- SIDEWALK REPLACEMENT SHALL CONSIST OF THE FOLLOWING:
- SIDEWALK REMOVAL
 - PCC SIDEWALK, 5 INCH
 - SUBBASE GRANULAR MATERIAL, TYPE B 2"
- BIKEPATH REPLACEMENT SHALL CONSIST OF THE FOLLOWING:
- BIKE PATH REMOVAL
 - HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 3"
 - AGGREGATE BASE COURSE, TYPE B, 6"
- MEDIAN REPLACEMENT SHALL CONSIST OF THE FOLLOWING (UNLESS OTHERWISE NOTED):
- MEDIAN REMOVAL
 - CONCRETE MEDIAN, TYPE SB-6.12
 - PREPARATION OF BASE
 - AGGREGATE BASE REPAIR

NOTES

- 1) SEE ADA PLANS FOR CURB TYPES AT ADA RAMP CORNERS.
- 2) TREE REMOVAL IS INCLUDED IN THE COST OF EARTH EXCAVATION WORK. THE TREE REMOVAL WORK SHALL MEET ANY REQUIREMENTS UNDER SECTION 201 OF THE STANDARD SPECIFICATIONS.

- ① COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- ② COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
- ③ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24



NATIONAL PARKWAY

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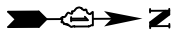
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	DRAWN - JAT	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 2/10/2022	DATE - 01/12/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RESURFACING PLAN

SCALE: 1" = 20' SHEET 2 OF 3 SHEETS STA. 353+00.00 TO STA. 358+00.00

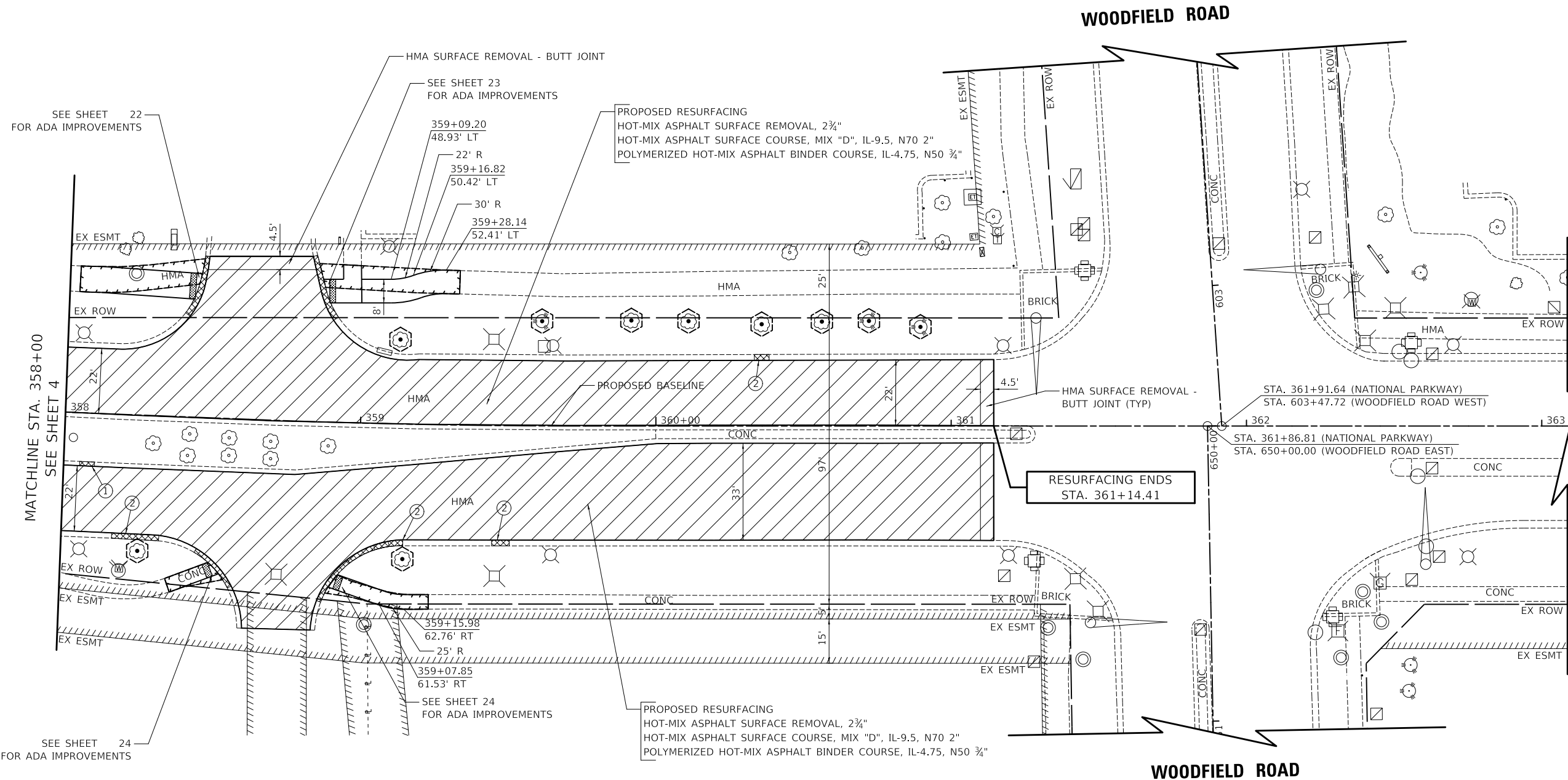
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-02-PV	COOK	43	14
			CONTRACT NO. 61H65	
ILLINOIS				



PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	NO.	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	NO.	
	FILE NAME	

MODEL: SMODELNAMER
FILE NAME: ...102-Plan And Profile(3549_Plan



LEGEND

	HMA SURFACE REMOVAL, 2 3/4"
	DETECTABLE WARNINGS (SPECIAL)
	SIDEWALK, BIKEPATH, AND MEDIAN REPLACEMENT
	COMBINATION CURB AND GUTTER REMOVAL COMBINATION CONCRETE CURB AND GUTTER, OF THE TYPE SPECIFIED (SEE NOTE 1)
	TEMPORARY FENCE TREE ROOT PRUNING TREE PRUNING

- SIDEWALK REPLACEMENT SHALL CONSIST OF THE FOLLOWING:**
- SIDEWALK REMOVAL
 - PCC SIDEWALK, 5 INCH
 - SUBBASE GRANULAR MATERIAL, TYPE B 2"
- BIKEPATH REPLACEMENT SHALL CONSIST OF THE FOLLOWING:**
- BIKE PATH REMOVAL
 - HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 3"
 - AGGREGATE BASE COURSE, TYPE B, 6"
- MEDIAN REPLACEMENT SHALL CONSIST OF THE FOLLOWING (UNLESS OTHERWISE NOTED):**
- MEDIAN REMOVAL
 - CONCRETE MEDIAN, TYPE SB-6.12
 - PREPARATION OF BASE
 - AGGREGATE BASE REPAIR

- NOTES**
- 1) SEE ADA PLANS FOR CURB TYPES AT ADA RAMP CORNERS.
 - ① COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
 - ② COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
 - ③ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24



USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 2/10/2022	DATE - 01/12/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RESURFACING PLAN			
SCALE: 1" = 20'	SHEET 3	OF 3 SHEETS	STA. 358+00.00 TO STA. 363+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-02-PV	COOK	43	15
			CONTRACT NO. 61H65	
ILLINOIS				

MAINTENANCE OF TRAFFIC GENERAL NOTES

1. THE CONTRACTOR SHALL CONTACT THE IDOT TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
2. TRAFFIC CONTROL DEPICTED IN THESE PLANS AND THE APPLICABLE IDOT DETAILS AND STANDARDS ARE THE MINIMUM REQUIREMENTS. OTHER WORK OR SIGNING MAY BE REQUIRED BY THE ENGINEER. TRAFFIC CONTROL AND PROTECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, DIVISION 700; APPLICABLE GUIDELINES IN THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS; AND APPLICABLE HIGHWAY STANDARDS FOR TRAFFIC CONTROL, UNLESS HEREIN REVISED.
3. THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND TRAFFIC CONTROL DEVICES SHALL FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
4. ALL CONSTRUCTION WARNING SIGNS SHALL HAVE FLUORESCENT ORANGE BACKGROUNDS.
5. DRUMS WILL BE REQUIRED ADJACENT TO PAVEMENT EDGES WHERE WIDENING, CURB AND GUTTER OR OVERLAYING WORK IS BEING DONE, AS SPECIFIED IN SECTION 701 OF THE STANDARD SPECIFICATIONS, EXCEPT THAT THE BARRICADES SHALL BE NON-METALLIC DRUMS. SPACING SHALL BE AS SHOWN ON THE HIGHWAY STANDARDS UNLESS OTHERWISE DIRECTED BY THE ENGINEER. BARRICADES THAT MUST BE PLACED IN EXCAVATED AREAS SHALL HAVE LEG EXTENSIONS INSTALLED SUCH THAT THE TOPS OF THE BARRICADES ARE IN COMPLIANCE WITH THE HEIGHT REQUIREMENTS OF STANDARD 701901.
6. DRUMS WILL BE REQUIRED AT ALL OPEN TRENCHES, EXCAVATIONS, OPEN OR EXPOSED SEWER STRUCTURES, AND AT ANY OTHER LOCATIONS DESIGNATED BY THE ENGINEER OR LAW ENFORCEMENT AGENCIES. BARRICADES SHALL BE PLACED AT 50' CENTERS ALONG TANGENTS, 20' CENTERS ALONG TAPERS, AND 10' CENTERS IN CURVES AND RADII.
7. TYPE III BARRICADES ARE TO BE PLACED IN ACCORDANCE WITH STANDARD 701901 UNLESS AUTHORIZED BY THE ENGINEER TO USE AN ALTERNATE ARRANGEMENT.
8. EXISTING TRAFFIC CONTROL SIGNS AND DEVICES SHALL BE REMOVED OR RELOCATED BY THE CONTRACTOR AFTER THE TRAFFIC CONTROL REQUIREMENTS ARE MET OR AS AUTHORIZED BY THE ENGINEER; ANY SIGNS OR DEVICES LEFT IN PLACE ARE TO BE PROTECTED FROM DAMAGE AND MAINTAINED. ANY DAMAGE CAUSED BY THIS WORK SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER AND AT THE EXPENSE OF THE CONTRACTOR.
9. THE FIRST TWO WARNING SIGNS IN EACH DIRECTION OF TRAVEL SHALL BE EQUIPPED WITH MONO-DIRECTIONAL AMBER FLASHING LIGHTS DURING HOURS OF DARKNESS. FLAGS ARE OPTIONAL.
10. EXISTING TRAFFIC CONTROL DEVICES ARE TO BE PROTECTED FROM DAMAGE BY THE CONTRACTOR. ANY DAMAGE CAUSED BY HIS/HER WORK SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
11. W21-1(O) "WORKERS" SIGNS SHALL ONLY BE ERECTED WHEN WORKERS ARE PRESENT. SIGN MUST BE COVERED OR REMOVED WHEN NO WORKERS ARE PRESENT.
12. "FRESH OIL" SIGNS (W21-2(O)-4848) WITH DATE SIGNS SHALL BE ERECTED 48 HOURS PRIOR TO TACKING, THE COST OF THESE SIGNS SHALL BE INCLUDED IN THE TRAFFIC CONTROL AND PROTECTION PAY ITEM BEING USED AT THE TIME THE SIGNS ARE REQUIRED.
13. FLASHING ARROW BOARDS WILL BE REQUIRED WHEN IMPLEMENTING ALL LANE CLOSURES, AND SHALL BE INCLUDED IN THE TRAFFIC CONTROL AND PROTECTION PAY ITEM BEING USED AT THE TIME THE SIGNS ARE REQUIRED.
14. THE COST OF SUPPLYING, ERECTING, AND MAINTAINING BARRICADES, DRUMS, WARNING LIGHTS, AND SIGNS SHALL BE INCLUDED IN THE COST OF THE VARIOUS TRAFFIC CONTROL AND PROTECTION PAY ITEMS.
15. PAY ITEMS FOR "TEMPORARY PAVEMENT MARKING - PAINT" HAVE BEEN INCLUDED TO PROVIDE TEMPORARY MARKINGS ON THE MILLED SURFACE AND THE LEVEL BINDER SURFACE, AS DIRECTED BY THE ENGINEER. TEMPORARY PAINT PAVEMENT MARKINGS SHALL NOT BE ALLOWED ON THE FINAL PAVEMENT SURFACE.

SIDEWALK /BIKE PATH MAINTENANCE NOTE

1. THE SIDEWALK OR BIKE PATH ON ONE SIDE OF THE STREET MUST REMAIN OPEN AND ACCESSIBLE AT ALL TIMES. CONSTRUCTION STAGING SHALL BE COORDINATED WITH THE ENGINEER AND CONTRACTOR TO ENSURE ONE SIDE REMAINS OPEN. SIGNING DIRECTING PEDESTRIANS TO THE OPEN SIDEWALK SHALL BE IN ACCORDANCE WITH IDOT HIGHWAY STANDARD 701801. THE WORK REQUIRED TO COMPLY WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION, STANDARD 701801".
2. AT EACH INTERSECTION, REPLACEMENT OF THE CURB AND GUTTER, ADA RAMP, AND SIDEWALK SHALL ONLY BE ALLOWED AT ONE CORNER AT A TIME, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
3. WHEN DIRECTED BY THE ENGINEER, THE PAY ITEM HOT-MIX ASPHALT BINDER COURSE (HAND METHOD), N70 SHALL BE USED TO FILL IN THE GAP BETWEEN THE REPLACED CURB AND GUTTER AND THE EXISTING PAVEMENT PRIOR TO MILLING OF THE EXISTING SURFACE. THE MAXIMUM WIDTH FOR PAYMENT SHALL BE 6".

CONSTRUCTION SIGNS

W21-2(O)
48" X 48"



9" X 36" DATE XX-XX-XX

BLACK 6" LETTERS ON ORANGE RETROREFLECTIVE BACKGROUND

W8-1(O)
48" X 48"



THESE SIGNS SHALL BE PLACED AS DIRECTED BY THE ENGINEER. W21-2(O) SHALL BE PLACED 48 HOURS PRIOR TO TACKING. THE COST OF THESE SIGNS SHALL BE INCLUDED IN THE COST OF THE VARIOUS TRAFFIC CONTROL AND PROTECTION PAY ITEMS.

CONSTRUCTION REQUIREMENTS

1. ALL WORK SHALL BE IN ACCORDANCE WITH IDOT'S SAFETY ENGINEERING POLICY MEMORANDUM, SAFETY 4-21, INCLUDING THE REQUIREMENT FOR USE OF TEMPORARY OR MILLED SLOPE EDGES (MIN OF 1:3). THIS MAY REQUIRE ADDITIONAL PASSES OF THE MILLING MACHINE OR THE USE OF A SECONDARY, SMALLER MILLING MACHINE TO CREATE THE REQUIRED EDGE. THE COST TO COMPLY WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE COST OF "HOT-MIX ASPHALT SURFACE REMOVAL" OF THE THICKNESS SPECIFIED.
2. "UNEVEN LANE" SIGNS (W8-1(O)-4848) SHALL BE PLACED AT THE INTERVALS REQUIRED BY THE ENGINEER WHEN TRAFFIC IS ADJACENT TO THE MILLED SURFACE. THE COST OF THESE SIGNS SHALL BE INCLUDED IN THE TRAFFIC CONTROL AND PROTECTION PAY ITEM BEING USED AT THE TIME THE SIGNS ARE REQUIRED.

CONSTRUCTION SEQUENCE

THIS CONSTRUCTION SEQUENCE WAS DEVELOPED TO MINIMIZE IMPACTS TO PROPERTY OWNERS AND TO PROVIDE AN ADEQUATE METHOD OF INSPECTING THE CONDITION OF THE PAVEMENT BASE AND CURB AND GUTTER. THIS CONSTRUCTION SEQUENCE SHALL BE FOLLOWED UNLESS AN ALTERNATE SEQUENCE IS APPROVED BY THE ENGINEER.

1. SET UP APPLICABLE TRAFFIC CONTROL MEASURES USING IDOT HIGHWAY STANDARDS AND DISTRICT ONE DETAILS PROVIDED IN THE PLANS. DAILY LANE CLOSURES SHALL BE USED FOR ALL WORK DEPICTED IN THESE PLANS. PERMANENT LANE CLOSURES SHALL NOT BE ALLOWED UNLESS SHOWN ON THE PLANS OR OTHERWISE APPROVED BY THE ENGINEER.
2. SET UP EROSION AND SEDIMENT CONTROL MEASURES.
3. REMOVE AND REPLACE CURB AND GUTTER, INSTALL PROPOSED DRAINAGE STRUCTURE AND STORM SEWER, AND ADJUST DRAINAGE STRUCTURES AS DETERMINED BY THE ENGINEER.
4. INSTALL PROPOSED LIGHTING.
5. INSTALL SIDEWALK AND DETECTABLE WARNINGS.
6. LANDSCAPE RESTORATION.
7. REMOVE HMA PAVEMENT SURFACE.
8. THE ENGINEER SHALL INSPECT THE CONDITION OF THE PAVEMENT AND MARK THE AREAS REQUIRING PAVEMENT PATCHING. UNDER NO CONDITION SHALL THE CONTRACTOR PROCEED WITH THIS WORK WITHOUT PRIOR CONSENT FROM THE ENGINEER. PERFORM PAVEMENT PATCHING.
9. INSTALL BINDER AND HMA SURFACE.
10. INSTALL PERMANENT PAVEMENT MARKINGS AND SIGNING.
11. REMOVE EROSION CONTROL AND TRAFFIC CONTROL.

PLAN	SURVEYED	DATE
	PLOTTED	BY
NOTE BOOK NO.	GRADES CHECKED	
	STRUCTURE NOTATIONS CHWD	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
NOTE BOOK NO.	GRADES CHECKED	
	STRUCTURE NOTATIONS CHWD	

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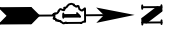
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	DATE - 01/12/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC GENERAL NOTES

SHEET 1 OF 1 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-02-PV	COOK	43	16
				CONTRACT NO. 61H65
				ILLINOIS






IL ROUTE 72
(HIGGINS ROAD)

IL ROUTE 72
(HIGGINS ROAD)

RESURFACING BEGINS
STA. 349+93.62

MATCHLINE STA. 353+00
SEE SHEET 18

LEGEND

-  FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)
-  DRAINAGE & UTILITY STRUCTURE TO BE RECONSTRUCTED
-  CLASS D PATCH, 10 INCH



NATIONAL PARKWAY

PLAN	SURVEYED	DATE
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	ALIGNED	
	CHECKED	
	FILED	
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PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
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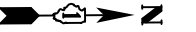
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE AND UTILITIES

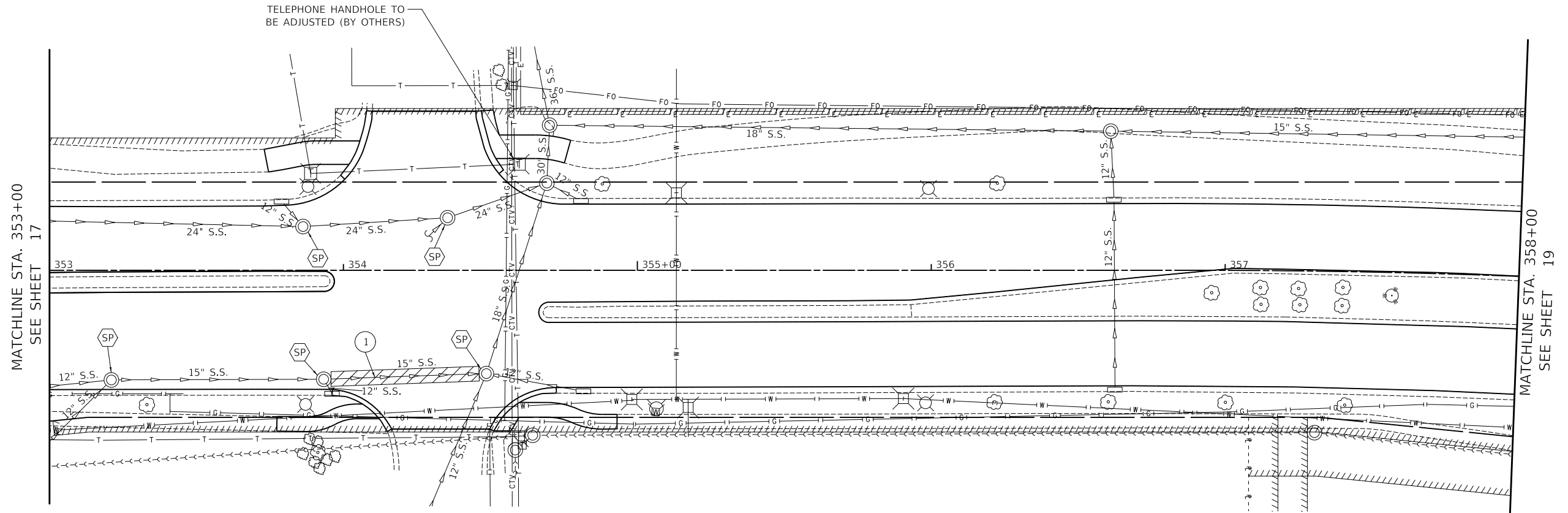
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-02-PV	COOK	43	17
ILLINOIS			CONTRACT NO. 61H65	



PLAN	SURVEYED	DATE
	PLOTTED	BY
NOTE BOOK NO.	ALIGNMENT CHECKED	
	FIELD FILE NAME	

PROFILE	SURVEYED	DATE
	GRADES CHECKED	BY
NOTE BOOK NO.	STRUCTURE NOTATION	
	STRUCTURE NOTATION	



LEGEND

- FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)
- DRAINAGE & UTILITY STRUCTURE TO BE RECONSTRUCTED
- CLASS D PATCH, 10 INCH

① 51' - STORM SEWER REM 15"
 51' - 15" STORM SEWER, CL. A., T-2
 MATCH EXISTING INVERTS
 T.B.F. = 18.0 CU YD



NATIONAL PARKWAY

MODEL: SMODEL\MAMES
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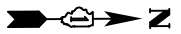
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PLOT DATE = 2/10/2022	DATE - 01/12/2022	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRAINAGE AND UTILITIES

SCALE: 1" = 20' SHEET 2 OF 3 SHEETS STA. 353+00.00 TO STA. 358+00.00

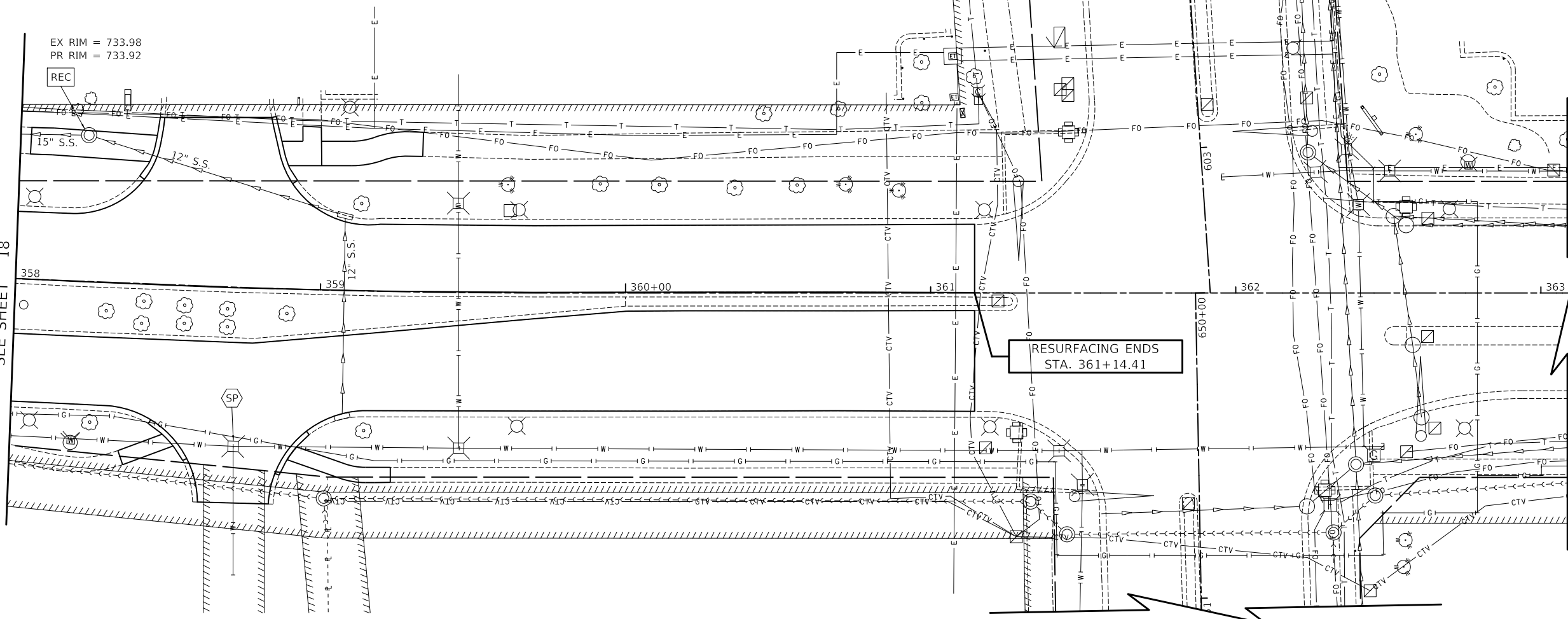
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1103	16-00127-02-PV	COOK	43	18
CONTRACT NO. 61H65			ILLINOIS	






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PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATION	
	NO.	

MATCHLINE STA. 358+00
SEE SHEET 18



LEGEND

-  FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)
-  DRAINAGE & UTILITY STRUCTURE TO BE RECONSTRUCTED
-  CLASS D PATCH, 10 INCH



NATIONAL PARKWAY

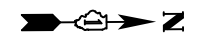
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PLOT DATE = 2/10/2022	CHECKED - DJK	REVISED -
	DATE - 01/12/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE AND UTILITIES	
SCALE: 1" = 20'	SHEET 3 OF 3 SHEETS STA. 358+00.00 TO STA. 363+00.00

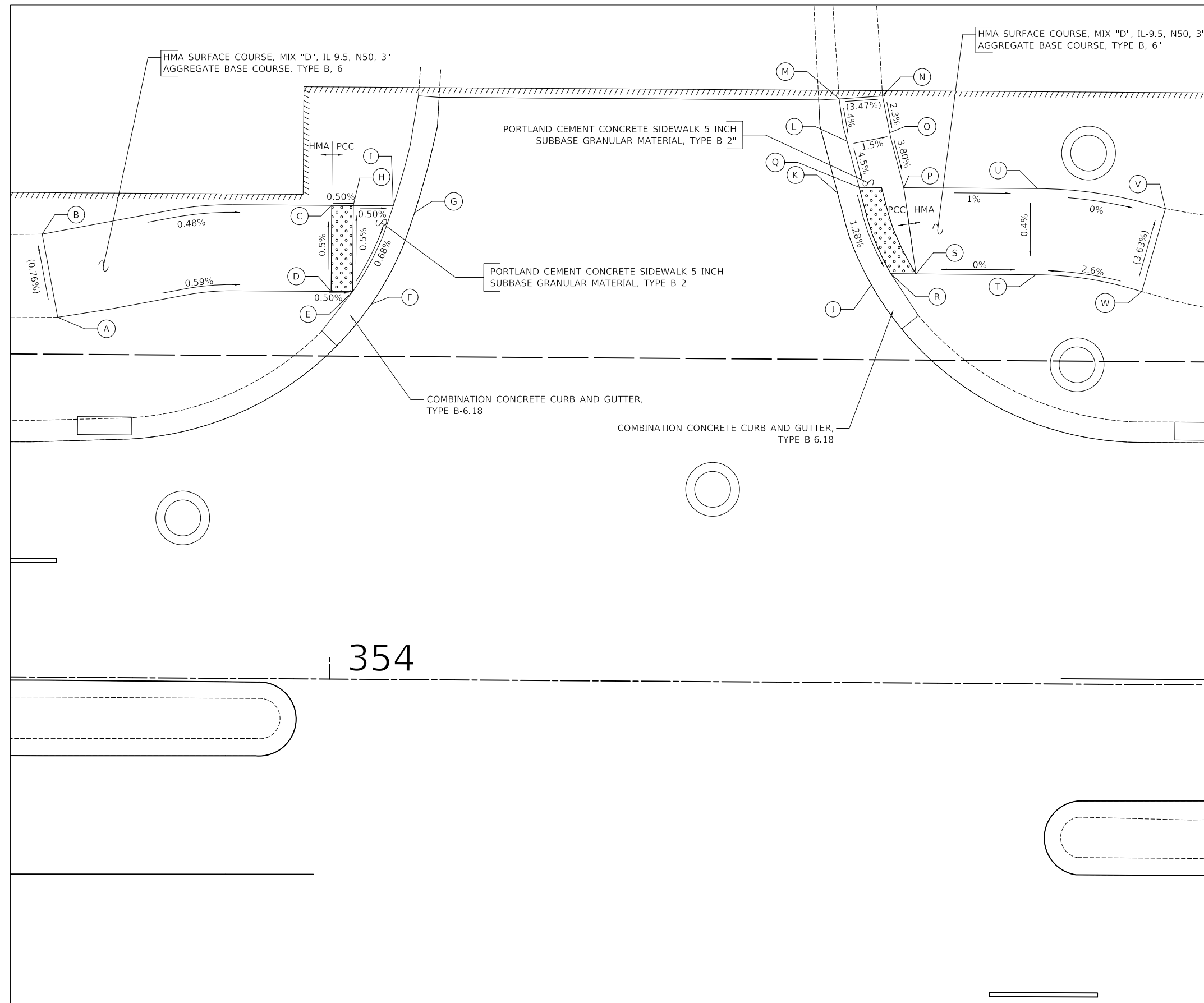
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1103	16-00127-02-PV	COOK	43	19
				CONTRACT NO. 61H65
ILLINOIS				



PLAN	SURVEYED	DATE
	PLOTTED	BY
PROFILE	ALIGNED	DATE
	CHECKED	BY
NOTE BOOK	NO.	
	FILE NAME	


PROFILE	SURVEYED	DATE
	PLOTTED	BY
NOTE BOOK	NO.	
	FILE NAME	

MODEL: S:\MODEL\NAMES
FILE NAME: ...13-Sidewalk_Gradings\354-9-ADA



NATIONAL PARKWAY / BANK DRIVE, WEST			
	STATION	OFFSET	ELEVATION
A	353+74.52	33.43' LT	(732.21)
B	353+73.03	41.14' LT	(732.15)
C	353+99.90	44.00' LT	732.02
D	353+99.90	36.00' LT	732.06
E	354+01.90	36.00' LT	732.05
F	354+03.62	34.83' LT	(732.08)
G	354+07.60	73.37' LT	(732.02)
H	354+01.90	44.00' LT	732.01
I	354+05.62	44.00' LT	731.99
J	354+50.06	36.96' LT	(731.84)
K	354+46.86	45.46' LT	(731.95)
L	354+47.72	50.28' LT	732.12
M	354+46.95	54.20' LT	(732.28)
N	354+50.97	54.50' LT	(732.14)
O	354+51.67	51.09' LT	732.06
P	354+53.01	46.00' LT	731.86
Q	354+48.87	46.00' LT	731.92
R	354+51.86	38.00' LT	731.81
S	354+54.20	38.00' LT	731.77
T	354+65.33	38.00' LT	731.77
U	354+65.31	46.00' LT	731.74
V	354+77.32	44.21' LT	(731.74)
W	354+75.18	36.50' LT	(732.03)

LEGEND

-  DETECTABLE WARNINGS (SPECIAL),
- X% / XXX.XX PROPOSED SLOPE / ELEVATION
- (X%) / (XXX.XX) EXISTING SLOPE / ELEVATION



NATIONAL PKWY / BANK DR, WEST SIDE

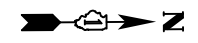
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PLOT DATE = 2/10/2022	CHECKED - DJK	REVISED -
	DATE - 01/12/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ADA GRADING PLAN

SCALE: 1" = 5' SHEET 1 OF 5 SHEETS

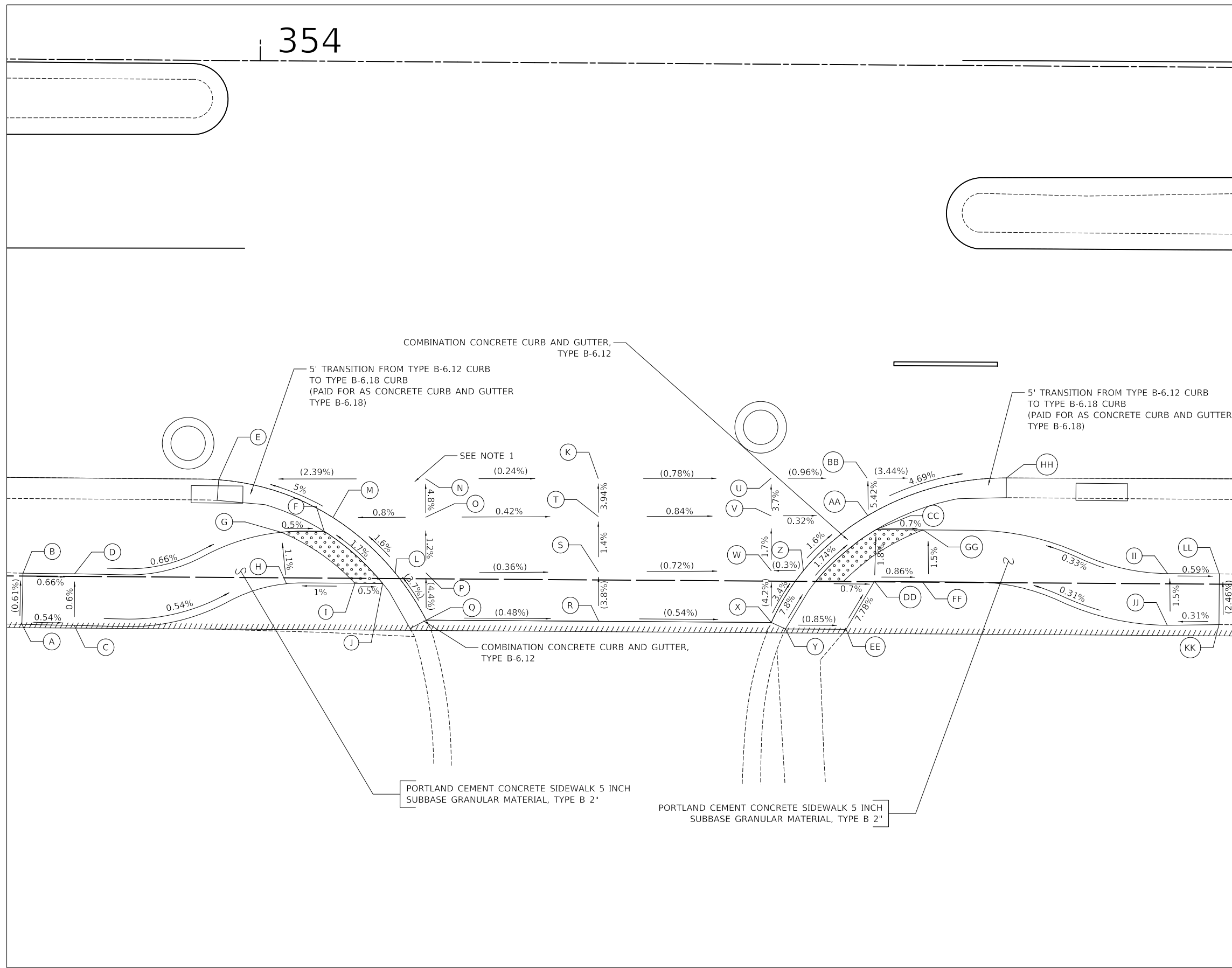
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-02-PV	COOK	43	20
			CONTRACT NO. 61H65	
ILLINOIS				



354

DATE	
BY	
SURVEYED	
PLOTTED	
ALIGNMENT CHECKED	
ASD FILE NAME	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
GRADES CHECKED	
STRUCTURE NOTATIONS CHECKED	
NO.	



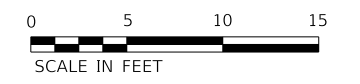
	STATION	OFFSET	ELEVATION
A	353+77.32	54.67' RT	(732.62)
B	353+77.39	49.73' RT	(732.59)
C	353+82.39	54.74' RT	732.59
D	353+82.39	49.74' RT	732.56
E	353+96.26	40.56' RT	(731.82)
F	354+06.50	45.48' RT	732.40
G	354+02.34	45.59' RT	732.42
H	354+02.88	50.56' RT	732.48
I	354+09.50	50.48' RT	732.54
J	354+12.19	50.48' RT	732.53
K	354+32.96	40.19' RT	(732.26)
L	354+16.31	44.04' RT	(732.54)
M	354+07.33	44.13' RT	732.41
N	354+16.28	40.32' RT	(732.30)
O	354+16.31	44.04' RT	732.48
P	354+16.37	49.43' RT	(732.54)
Q	354+16.42	54.00' RT	(732.74)
R	354+33.11	54.00' RT	(732.66)
S	354+33.05	49.21' RT	(732.48)
T	354+32.99	43.86' RT	732.41
U	354+49.68	40.05' RT	(732.13)
V	354+49.71	43.69' RT	732.27
W	354+49.76	48.99' RT	(732.36)
X	354+49.80	54.00' RT	(732.57)
Y	354+51.17	54.61' RT	(732.79)
Z	354+52.87	48.95' RT	732.37
AA	354+59.06	43.59' RT	732.24
BB	354+58.97	39.97' RT	(732.04)
CC	354+59.87	44.95' RT	732.23
DD	354+59.75	49.95' RT	732.32
EE	354+57.03	54.61' RT	(732.74)
FF	354+64.41	49.95' RT	732.28
GG	354+64.41	44.95' RT	732.20
HH	354+72.44	39.86' RT	(731.58)
II	354+88.09	49.01' RT	732.28
JJ	354+88.09	54.01' RT	732.35
KK	354+93.09	53.91' RT	(732.37)
LL	354+93.09	49.01' RT	(732.25)

NOTES

- 1) A QUANTITY OF "HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70" (VARIABLE DEPTH) HAS BEEN INCLUDED TO PROVIDE THE PROPOSED GRADES.

LEGEND

- DETECTABLE WARNINGS (SPECIAL),
- X% / XXX.XX PROPOSED SLOPE / ELEVATION
- (X%) / (XXX.XX) EXISTING SLOPE / ELEVATION



NATIONAL PKWY / BANK DR, EAST SIDE

USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
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PLOT DATE = 2/10/2022	DATE - 01/12/2022	REVISED -

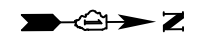
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ADA GRADING PLAN

SCALE: 1" = 5' SHEET 2 OF 5 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-02-PV	COOK	43	21
			CONTRACT NO. 61H65	
ILLINOIS				

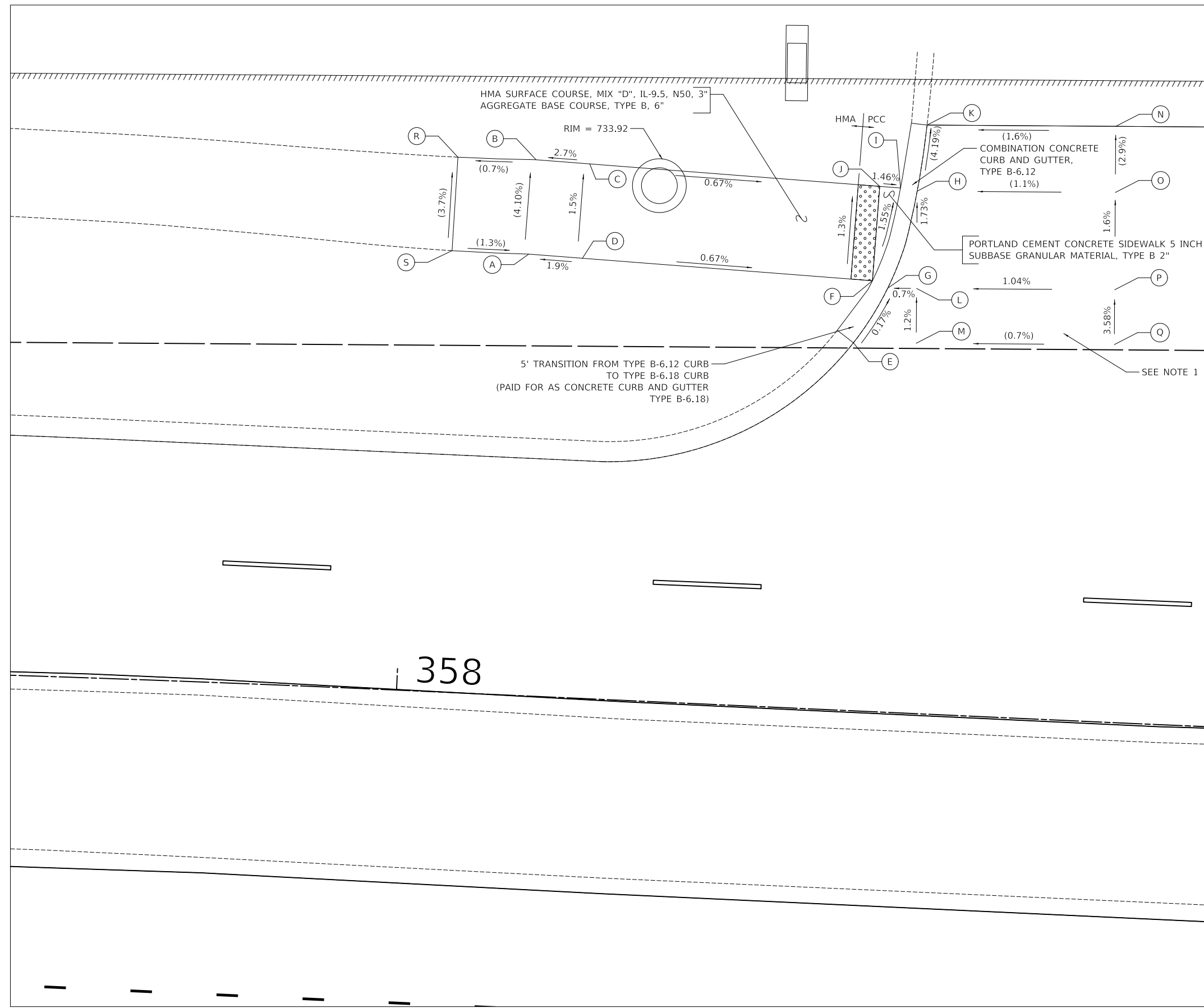
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PLAN	SURVEYED	DATE
	BY	
NOTE BOOK NO.	ALIGNED	CHECKED
	FILE NAME	

PROFILE	SURVEYED	DATE
	BY	
NOTE BOOK NO.	GRADES	CHECKED
	STRUCTURE	NOTATION

MODEL: SMODEL\MAMES
FILE NAME: ...113-Sidewalk_Gradings3549_ADA



TOWNEPLACE SUITES, SW CORNER			
	STATION	OFFSET	ELEVATION
A	358+10.42	41.01' LT	(734.16)
B	358+10.70	49.79' LT	(733.80)
C	358+15.70	49.63' LT	733.94
D	358+15.42	40.85' LT	734.07
E	358+40.91	34.14' LT	(733.89)
F	358+42.42	39.99' LT	733.87
G	358+43.87	39.36' LT	733.88
H	358+46.20	48.49' LT	(733.74)
I	358+44.63	48.71' LT	733.73
J	358+42.70	48.77' LT	733.76
K	358+46.83	54.66' LT	(733.48)
L	358+46.54	39.46' LT	733.90
M	358+46.74	34.37' LT	(733.96)
N	358+64.34	55.34' LT	(733.76)
O	358+64.58	49.20' LT	(733.94)
P	358+64.94	40.17' LT	734.09
Q	358+65.14	35.08' LT	(734.27)
R	358+03.44	49.70' LT	(733.75)
S	358+03.30	41.00' LT	(734.07)

NOTES

- 1) A QUANTITY OF "HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH" HAS BEEN INCLUDED TO PROVIDE THE PROPOSED GRADES.

LEGEND

- DETECTABLE WARNINGS (SPECIAL),
- X% / XXX.XX PROPOSED SLOPE / ELEVATION
- (X%) / (XXX.XX) EXISTING SLOPE / ELEVATION



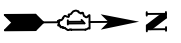
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PLOT SCALE = 10.0000' / in.	DRAWN - JAT	REVISED -
PLOT DATE = 2/10/2022	CHECKED - DJK	REVISED -
	DATE - 01/12/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA GRADING PLAN

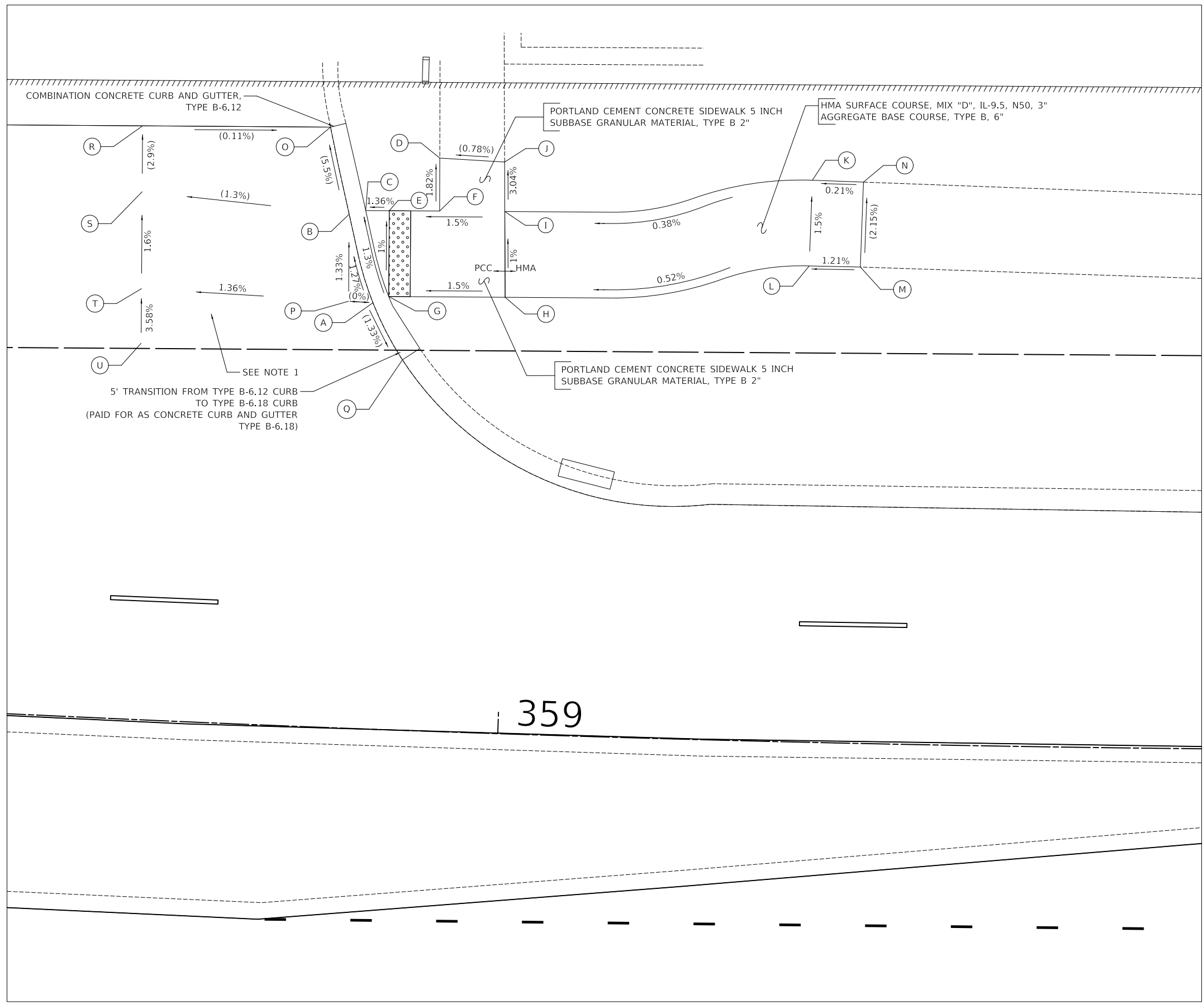
SCALE: 1" = 5' SHEET 3 OF 5 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-02-PV	COOK	43	22
ILLINOIS			CONTRACT NO. 61H65	



PLAN	SURVEYED	DATE
	PLOTTED	BY
NOTE BOOK NO.	ALIGNMENT CHECKED	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
NOTE BOOK NO.	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	



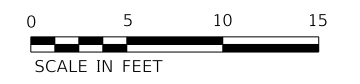
TOWNEPLACE SUITES, NW CORNER			
	STATION	OFFSET	ELEVATION
A	358+88.33	40.38' LT	734.31
B	358+84.29	47.91' LT	(734.20)
C	358+85.85	48.31' LT	734.19
D	358+92.69	53.45' LT	(734.20)
E	358+88.08	48.38' LT	734.22
F	358+92.86	48.52' LT	734.29
G	358+88.33	40.38' LT	734.30
H	358+99.34	40.69' LT	734.46
I	358+99.03	48.69' LT	734.38
J	358+98.86	53.29' LT	(734.24)
K	359+28.14	52.41' LT	734.49
L	359+28.02	44.41' LT	734.61
M	359+32.87	44.42' LT	(734.67)
N	359+32.99	52.34' LT	(734.50)
O	358+82.20	55.96' LT	(733.74)
P	358+84.55	39.80' LT	734.31
Q	358+89.84	34.53' LT	(734.27)
R	358+64.34	55.34' LT	(733.76)
S	358+64.58	49.20' LT	(733.94)
T	358+64.94	40.17' LT	734.09
U	358+65.14	35.08' LT	(734.27)

NOTES

- 1) A QUANTITY OF "HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH" HAS BEEN INCLUDED TO PROVIDE THE PROPOSED GRADES.

LEGEND

- DETECTABLE WARNINGS (SPECIAL),
- X% / XXX.XX PROPOSED SLOPE / ELEVATION
- (X%) / (XXX.XX) EXISTING SLOPE / ELEVATION



TOWNEPLACE SUITES, NW CORNER

USER NAME = djk	DESIGNED - JAT	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - JAT	REVISED -
PLOT DATE = 2/10/2022	CHECKED - DJK	REVISED -
	DATE - 01/12/2022	REVISED -

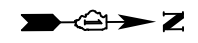
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ADA GRADING PLAN

SCALE: 1" = 5' SHEET 4 OF 5 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-02-PV	COOK	43	23
			CONTRACT NO. 61H65	
ILLINOIS				

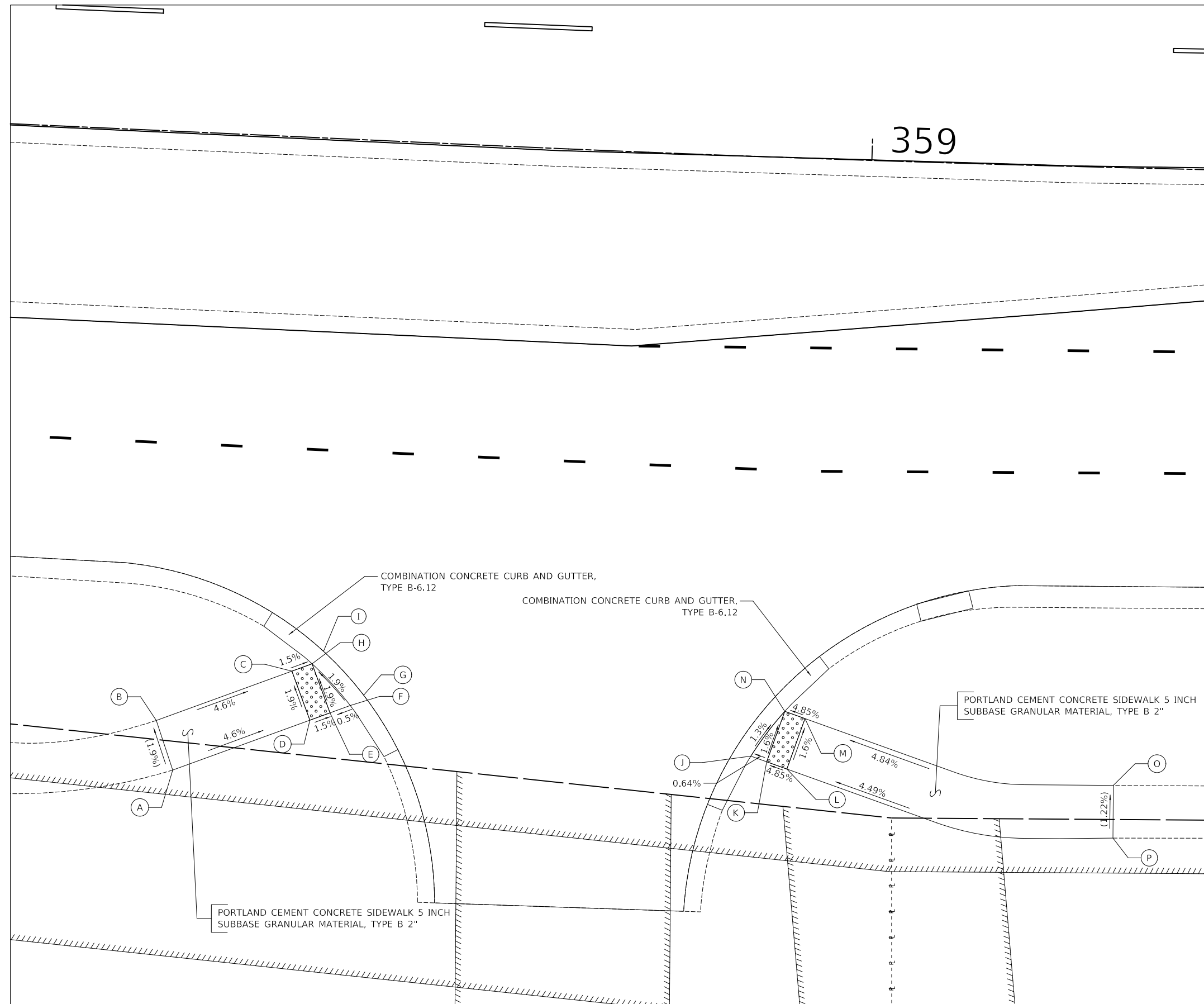
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
STA. 358+75 RT			
	STATION	OFFSET	ELEVATION
A	358+37.45	59.53' RT	734.52
B	358+35.71	54.97' RT	734.43
C	358+48.14	49.81' RT	733.81
D	358+50.02	54.30' RT	733.90
E	358+51.86	53.53' RT	733.87
F	358+53.72	52.76' RT	733.88
G	358+54.93	51.74' RT	733.89
H	358+49.98	49.04' RT	733.78
I	358+51.00	47.83' RT	733.79
J	358+90.73	55.90' RT	734.41
K	358+92.20	56.38' RT	734.42
L	358+94.07	56.99' RT	734.52
M	358+95.56	52.23' RT	734.44
N	358+93.69	51.62' RT	734.34
O	359+23.94	57.60' RT	(735.88)
P	359+24.03	62.52' RT	(735.94)

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNMENT CHECKED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	FILE NAME	
	NO.	
	BY	
	DATE	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	FILE NAME	
	NO.	
	BY	
	DATE	



LEGEND

-  DETECTABLE WARNINGS (SPECIAL),
- X% / XXX.XX PROPOSED SLOPE / ELEVATION
- (X%) / (XXX.XX) EXISTING SLOPE / ELEVATION



MODEL: SH06LNAME5
FILE NAME: ...13-Sidewalk_GradPlan358+75-ADA

USER NAME = djk	DESIGNED - JAT	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - JAT	REVISED -
PLOT DATE = 2/10/2022	CHECKED - DJK	REVISED -
	DATE - 01/12/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ADA GRADING PLAN

SCALE: 1" = 5' SHEET 5 OF 5 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-02-PV	COOK	43	24
ILLINOIS			CONTRACT NO. 61H65	

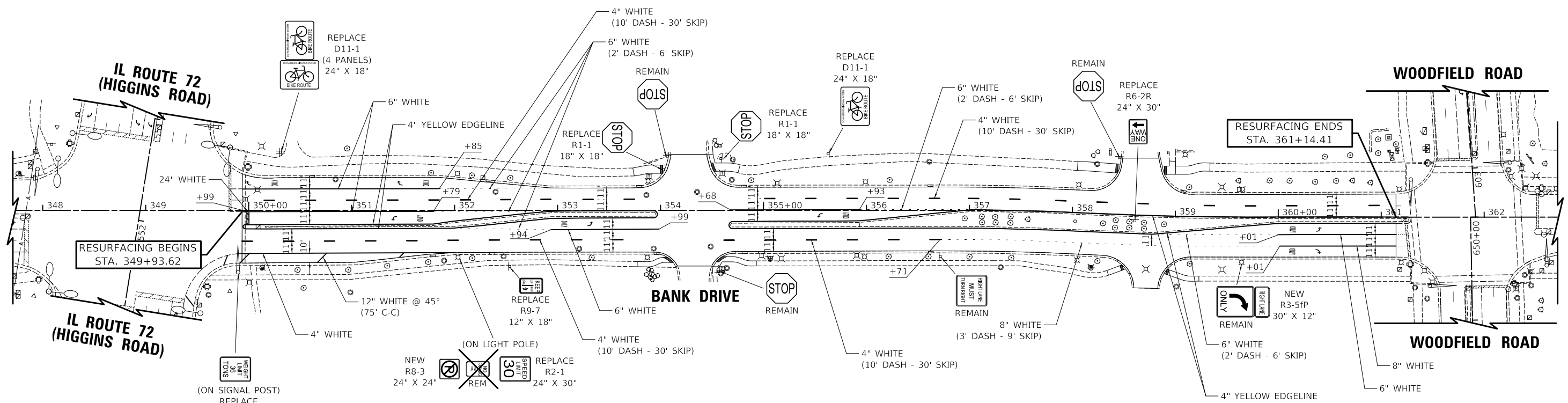


NOTES

- 1) DIMENSIONS TO PAVEMENT MARKINGS ARE TO THE CENTER OF A SINGLE LINE OR THE CENTER OF GAP FOR A DOUBLE LINE.
- 2) ALL PAVEMENT MARKINGS ON HMA RESURFACING AREAS SHALL BE THERMOPLASTIC.
- 3) SIGNS SHALL BE REMOVED AND REPLACED IN THE SAME LOCATION. THIS WORK SHALL BE PAID FOR AS "REMOVE SIGN PANEL ASSEMBLY" OF THE TYPE REQUIRED, "SIGN PANEL - (SPECIAL)" OF THE TYPE REQUIRED, AND "TELESCOPING STEEL SIGN SUPPORT (SPECIAL)" WHERE THE EXISTING SIGN IS NOT AFFIXED TO A MAST ARM OR LIGHT POLE.
- 4) ALL PROPOSED SIGN PANELS SHALL HAVE THE LETTERS "VOS MONTH/YEAR" IN THE BORDER OF THE SIGN.

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNMENT CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	NOTE BOOK NO.	
	STRUCTURE NOTATIONS CHECKED	



LEGEND

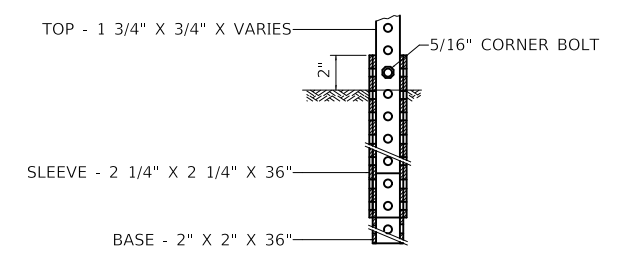
- ⌘ EXISTING LIGHT POLE
- ⌘ EXISTING SIGN
- ⌘ EXISTING MAST ARM
- REMAIN SIGN PANEL TO REMAIN IN SAME LOCATION
- REM SIGN PANEL TO BE REMOVED
- REPLACE SIGN PANEL TO BE REMOVED AND REPLACED (SEE NOTE 3)
- NEW PROPOSED SIGN PANEL (SPECIAL), OF THE TYPE REQUIRED

PROPOSED SIGN DETAILS



D11-1
24" X 18"
WHITE LETTERS AND SYMBOL
ON GREEN BACKGROUND

TELESCOPING STEEL SIGN SUPPORT (SPECIAL) MOUNT DETAIL



NATIONAL PARKWAY

MODEL: SMODELNAMER
FILE NAME: ...13249.PMK

USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 2/10/2022	DATE - 01/12/2022	REVISED -





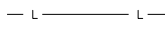
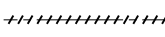


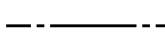
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNING PLAN

SCALE: 1" = 50' SHEET 1 OF 1 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-02-PV	COOK	43	25
				CONTRACT NO. 61H65
ILLINOIS				

LEGEND

-  EXISTING LIGHTING UNIT
171 WATT LED LUMINAIRE 240V (PHASE TO PHASE)
40 FT ALUMINUM LIGHT POLE, 8 FT MAST ARM
-  EXISTING DECORATIVE LIGHTING UNIT (LUMEC)
250 WATT HPS LUMINAIRE
38 FT ALUMINUM LIGHT POLE, 3.6 FT MAST ARM
-  EXISTING LIGHTING CONTROLLER
120/240 VOLT
-  EXISTING IDOT LIGHTING UNIT
-  EXISTING LIGHTING CABLES
-  REMOVE ELECTRIC CABLES FROM CONDUIT
-  EXISTING LIGHTING UNIT OR HANDHOLE TO BE REMOVED
-  PROPOSED DECORATIVE LIGHTING UNIT
130 WATT LED 240V LUMINAIRE
38 FT ALUMINUM POLE, 3.6 FT MAST ARM
-  PROPOSED UNIT DUCT
AS SPECIFIED IN PLANS

LIGHTING GENERAL NOTES

1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
2. PAY ITEMS IN THE SUMMARY OF QUANTITIES HAVE BEEN ESTIMATED. IF, IN THE ENGINEER'S OPINION, ANY WORK IS NOT REQUIRED, THAT ITEM WILL BE DEDUCTED FROM THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
3. EXISTING LIGHTING WILL REMAIN OPERATIONAL UNTIL THE PROPOSED LIGHTING IS INSTALLED AND OPERATIONAL. TRANSITION OF EXISTING TO PROPOSED LIGHTING WILL BE COORDINATED AND COMPLETED ON THE SAME DAY WITHOUT ANY INTERRUPTION OF OPERATION FOR THAT SAME EVENING.
4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MARK THE PROPOSED LOCATIONS OF ALL LIGHT POLES AND LIGHTING CONTROLLERS FOR EXAMINATION AND CONFIRMATION WITH THE RESIDENT ENGINEER.
5. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO AUGURING FOR LIGHT POLE FOUNDATIONS. THE EXACT LOCATIONS FOR ALL ITEMS SHALL BE CONFIRMED WITH THE RESIDENT ENGINEER.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT OF FINISHED GRADE. THE RESIDENT ENGINEER MAY ASSIST THE CONTRACTOR, AS APPLICABLE, BUT THE RESPONSIBILITY FOR COORDINATING THE FINISHED GRADE ELEVATION WITH THE TOP OF FOUNDATIONS HEIGHTS AND THE LIGHT POLE SHALL REMAIN WITH THE CONTRACTOR.
7. LIGHT POLE FOUNDATION TYPE WILL BE METAL UNLESS OTHERWISE SPECIFIED IN THE PLANS. FOUNDATION TYPE IS BASED ON KNOWN UTILITY INFORMATION. OFFSET FOUNDATION LOCATIONS WERE BASED ON ATLAS AND ABOVE GROUND STRUCTURES FOR LOCATION OF UTILITIES. WHERE POSSIBLE, OFFSET FOUNDATIONS SHOULD BE REPLACED WITH METAL FOUNDATIONS. FOUNDATION TYPE SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION. CONTRACTOR WILL BE PAID FOR THE FOUNDATION TYPE INSTALLED WITH NO ADDITIONAL COMPENSATION FOR CHANGE FROM CONTRACT PLAN.
8. NO POLES SHALL BE ERECTED UNTIL THE RESPECTIVE FOUNDATIONS HAVE CURED, AS APPROVED BY THE ENGINEER.
9. FOR ALL CONCRETE FOUNDATIONS, A MINIMUM OF 2 SLEEVES SHALL BE PROVIDED REGARDLESS OF WHAT IS BEING INSTALLED. THE SLEEVES SHALL BE SEALED AND CAPPED TO PREVENT MOISTURE OR CONTAMINANTS. MATERIAL AND LABOR WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE PAY ITEM FOR LIGHT POLE FOUNDATION.
10. TO MAINTAIN THE STRUCTURAL INTEGRITY OF ALUMINUM POLES WITH MAST ARMS, THEY SHALL NOT BE ERECTED AND LEFT TO STAND WITHOUT LUMINAIRES. NOTE THAT THE CONTRACTOR SHALL NOT BE PAID FOR POLES UNTIL LUMINAIRES ARE INSTALLED.
11. CONDUIT AND UNIT DUCT MUST BE POSITIONED IN THE FIELD TO AVOID CONFLICT WITH TREES, BUSHES, DRAINS, OTHER UTILITIES, AND LANDSCAPING. PREFERRED LOCATION OF UNIT DUCT IS 12 INCHES OFF PROPOSED BACK OF CURB AND IN NO CASE SHALL IT BE CLOSER THEN 12 INCHES. LOCATIONS GREATER THEN 12 INCHES BASED ON FIELD CONDITIONS WILL BE APPROVED BY THE ENGINEER.
12. WHEN SPLICING TO EXISTING POLE, ANY AND ALL WORK REQUIRED TO RUN THE PROPOSED UNIT DUCT INTO EXISTING FOUNDATION SLEEVE AND SPLICING IN EXISTING POLE SHALL BE COVERED AND INCLUDED IN THE PAY ITEM FOR THE UNIT DUCT.
13. THE INSTALLATION OF BURIED WARNING TAPE SHALL BE INSPECTED AND APPROVED BY THE RESIDENT ENGINEER.
14. NO UNDERGROUND SPLICING ALLOWED.
15. ANY DAMAGE TO PAVEMENT, SIDEWALK, CURB, OR ANY OTHER PORTION OF THE ROADWAY NOT SPECIFICALLY TO BE REMOVED AND REPLACED SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST AND REPLACEMENT SHALL MEET THE APPROVAL OF THE ENGINEER.
16. OFFSET CALL-OFFS FOR PROPOSED LIGHT POLES ARE FROM THE CENTER OF POLES TO PROPOSED EDGE OF PAVEMENT (E.O.P.)

LIGHTING SCHEDULE OF QUANTITIES

CODED PAY ITEM NO.	ITEM	UNIT	TOTAL QUANTITY
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	270
81800230	AERIAL CABLE, 2-1/C NO. 6 WITH MESSENGER WIRE	FOOT	800
81800330	AERIAL CABLE, 3-1/C NO. 6 WITH MESSENGER WIRE	FOOT	500
83600356	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 8 5/8" X 6'	EACH	9
84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	10
84200804	REMOVAL OF POLE FOUNDATION	EACH	10
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	14576
X1400238	LUMINAIRE, LED, SPECIAL	EACH	10
X8163580	UNIT DUCT, 600V, 7-1C NO. 6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1-1/2" DIA. POLYETHYLENE	FOOT	1963
X8300001	LIGHT POLE, SPECIAL	EACH	10
X8360215	LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	12
X8380075	BREAKAWAY DEVICE, TRANSFORMER BASE, SPECIAL	EACH	10
Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	5

PLAN	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	
	ALIGNMENT CHECKED	
	FIELD FILE NAME	

PROFILE	SURVEYED	DATE
NOTE BOOK NO.	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	

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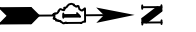
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	DRAWN - JAT	REVISED -
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PLOT DATE = 2/10/2022	DATE - 01/12/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LIGHTING LEGEND, GENERAL NOTES, AND BILL OF MATERIAL

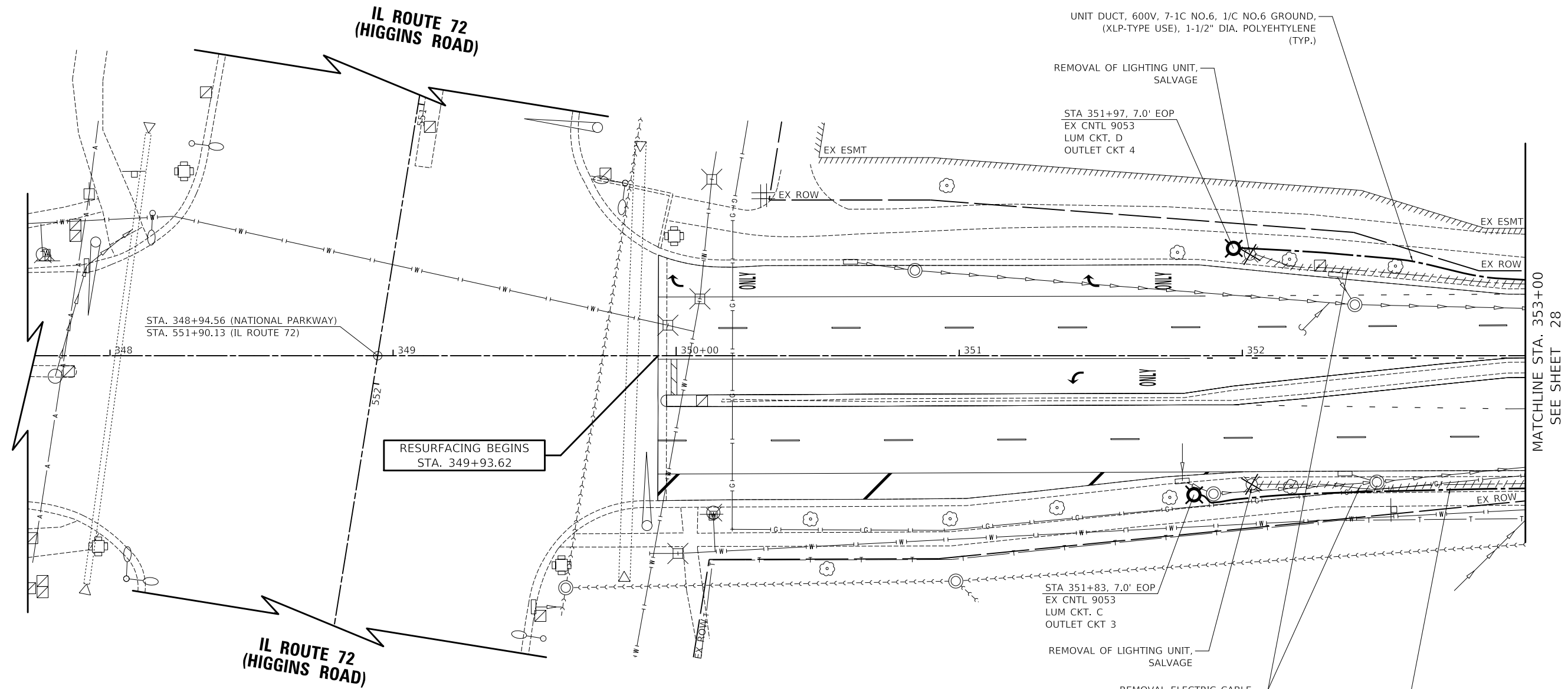
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-02-PV	COOK	43	26
			CONTRACT NO. 61H65	
		ILLINOIS		



PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	FILE NAME	
	NO.	
	NOTE BOOK	
	NO.	
	BY	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATION	
	CHWD	
	NO.	
	NOTE BOOK	
	NO.	
	BY	



NOTE

- IF EXISTING UNIT DUCT IS IN CONFLICT WITH PROPOSED POLE INSTALLATION, AERIAL CABLE ITEMS HAVE BEEN INCLUDED TO MAINTAIN EXISTING LIGHTING. AERIAL CABLE SHALL ONLY BE USED WITH THE APPROVAL OF THE ENGINEER.



NATIONAL PARKWAY

MODEL: SMODEL\MAMES FILE NAME: ...13249_311 - Light 01.dwg

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DESIGNED	- JAT
DRAWN	- JAT
PLOT SCALE	= 40.0000' / in.
PLOT DATE	= 2/10/2022

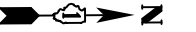
REVISED	-
REVISION	-
REVISION	-
REVISION	-
REVISION	-
DATE	- 01/12/2022
REVISION	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LIGHTING PLAN	
SCALE: 1" = 20'	SHEET 1 OF 3 SHEETS
STA. 348+00.00 TO STA. 353+00.00	

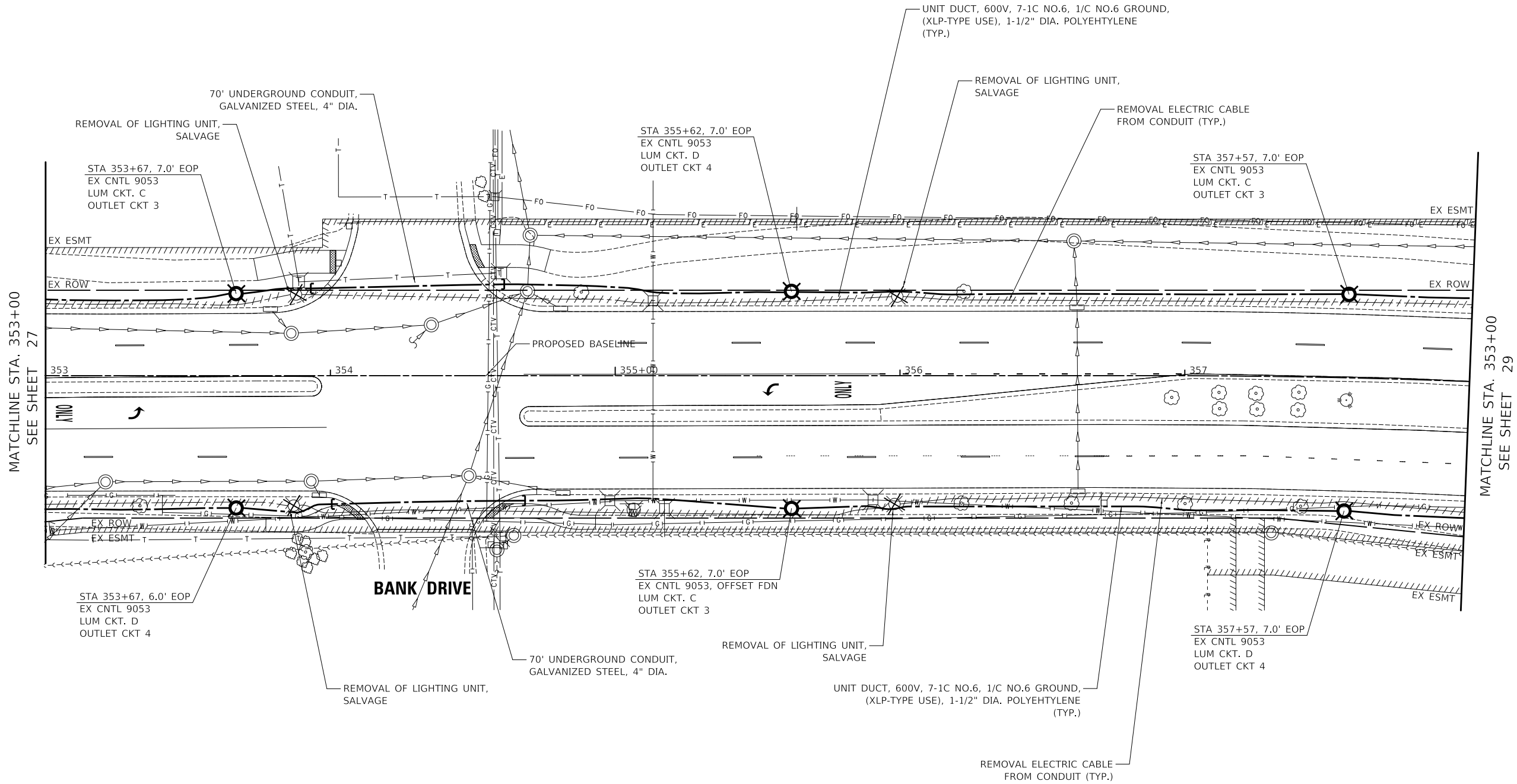
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-02-PV	COOK	43	27
				CONTRACT NO. 61H65
				ILLINOIS

MATCHLINE STA. 353+00
SEE SHEET 28



PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	NO.	
	BY	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATION	
	NO.	
	BY	



NOTE

- IF EXISTING UNIT DUCT IS IN CONFLICT WITH PROPOSED POLE INSTALLATION, AERIAL CABLE ITEMS HAVE BEEN INCLUDED TO MAINTAIN EXISTING LIGHTING. AERIAL CABLE SHALL ONLY BE USED WITH THE APPROVAL OF THE ENGINEER.



NATIONAL PARKWAY

MODEL: SMODEL\MAMES
FILE NAME: ...13249-511 - Light 01.dwg

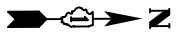
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	DRAWN - JAT	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 2/10/2022	DATE - 01/12/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LIGHTING PLAN

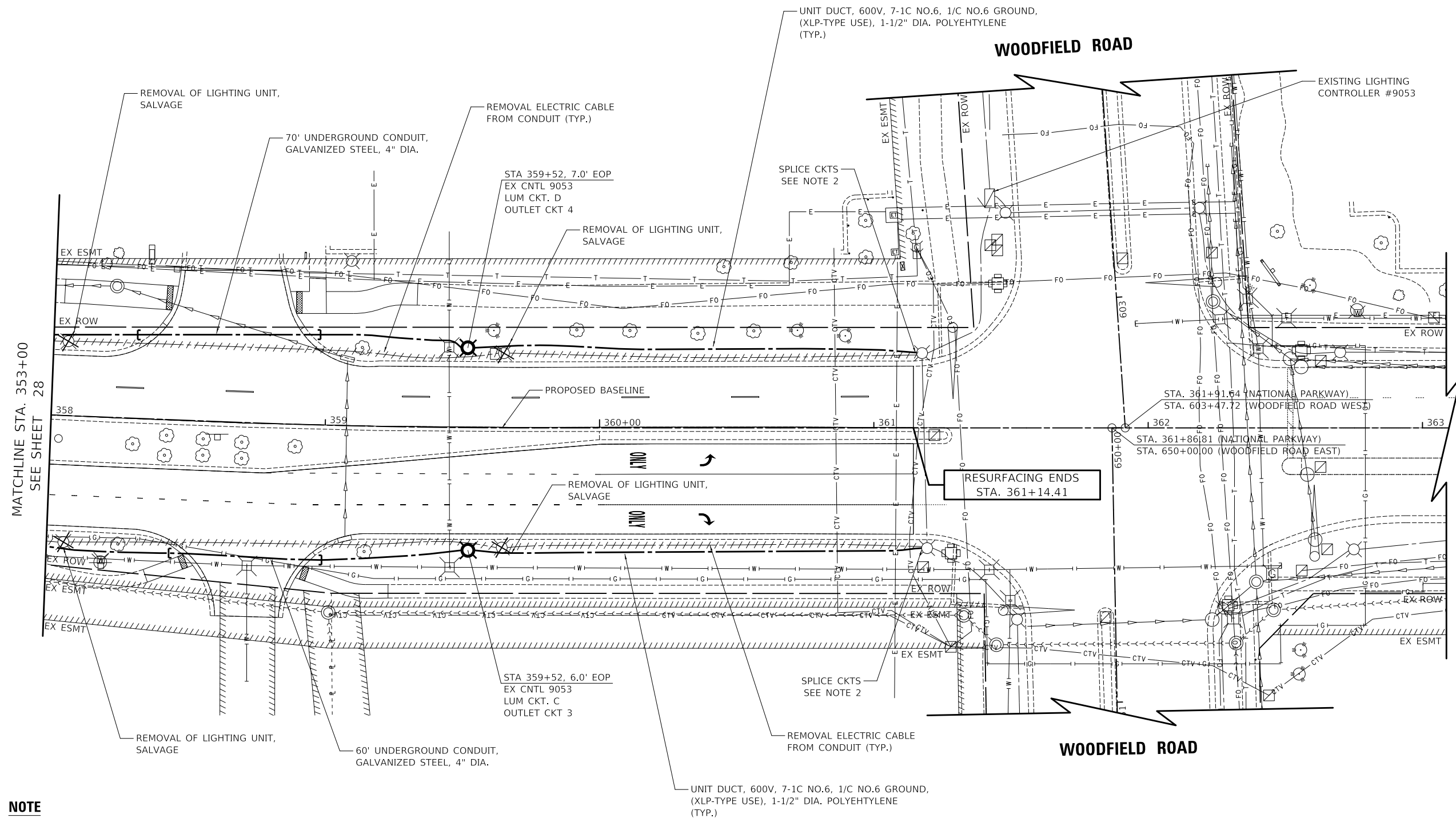
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-02-PV	COOK	43	28
				CONTRACT NO. 61H65
ILLINOIS				



PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNMENT CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	NOTE BOOK NO.	
	STRUCTURE NOTATION SHOWN	



NOTE

- IF EXISTING UNIT DUCT IS IN CONFLICT WITH PROPOSED POLE INSTALLATION, AERIAL CABLE ITEMS HAVE BEEN INCLUDED TO MAINTAIN EXISTING LIGHTING. AERIAL CABLE SHALL ONLY BE USED WITH THE APPROVAL OF THE ENGINEER.
- CONTRACTOR SHALL RUN PROPOSED UNIT DUCT INTO EXISTING LIGHT POLE FOUNDATION SLEEVE AND WILL SPLICE PROPOSED CABLE TO EXISTING CABLES IN LIGHT POLE HANDHOLE WITH NEW WATERPROOF SPLICES. NO UNDERGROUND SPLICING WILL BE ALLOWED. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN UNIT DUCT PAY ITEM.



NATIONAL PARKWAY

MODEL: SMODELNAME
FILE NAME: ...13249-311 - Light_01.dwg

USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 2/10/2022	DATE - 01/12/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LIGHTING PLAN

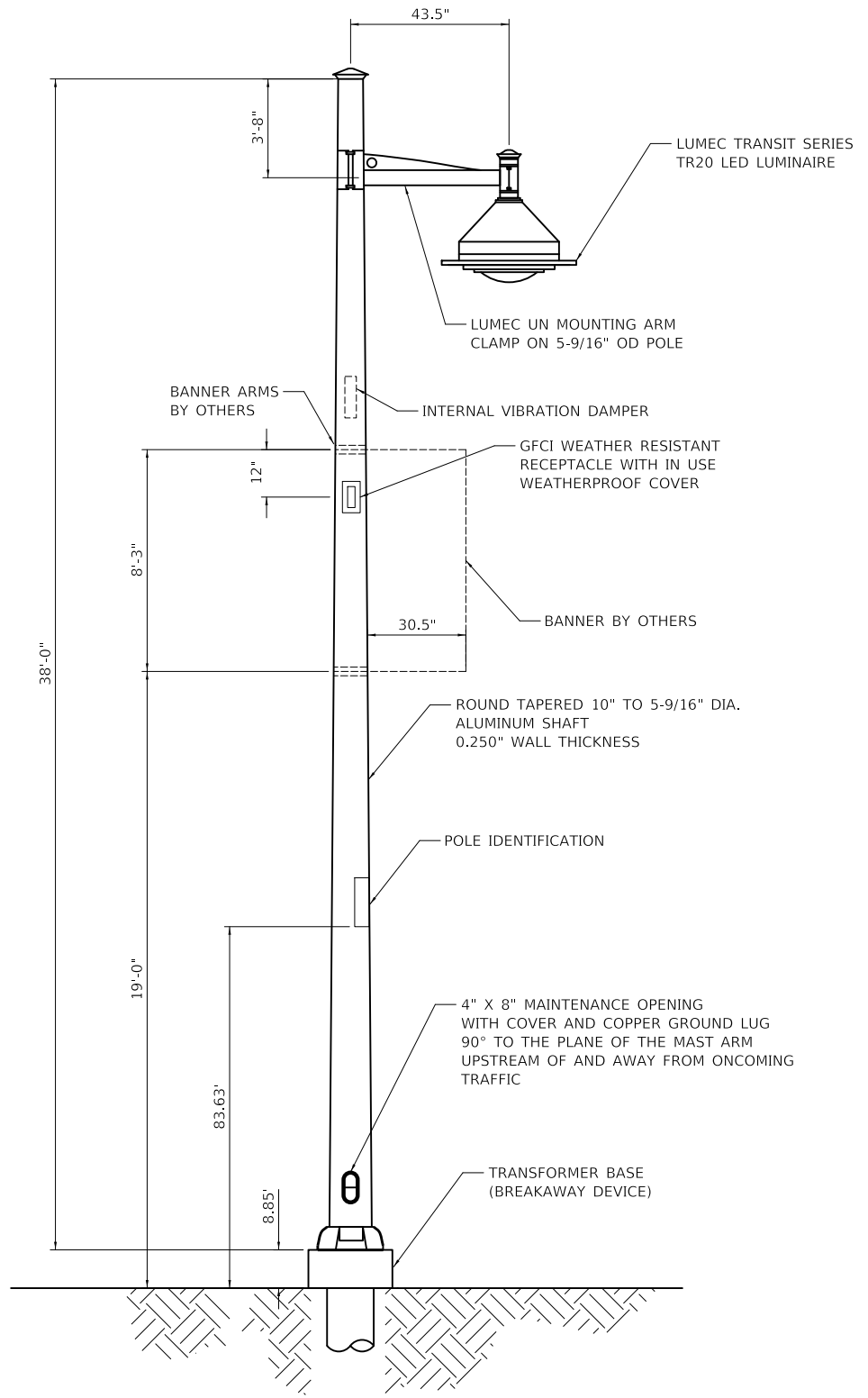
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-02-PV	COOK	43	29
			CONTRACT NO. 61H65	
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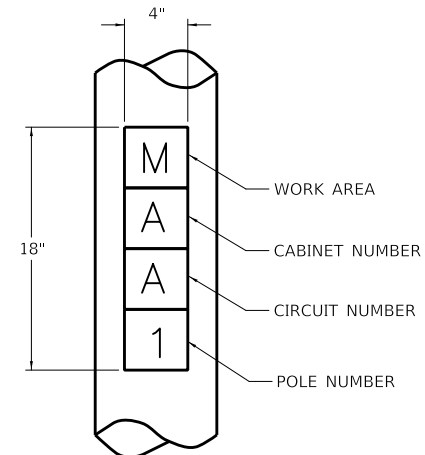
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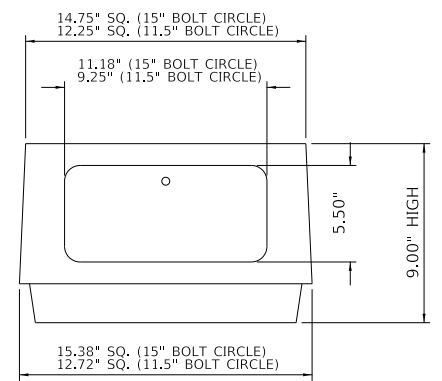
NOTE: HANDHOLE COVERS SHALL BE ATTACHED TO POLE WITH #14 SPANNER SCREWS WITH ANTI-SEIZE COMPOUND.

LIGHTING UNIT
(NOT TO SCALE)



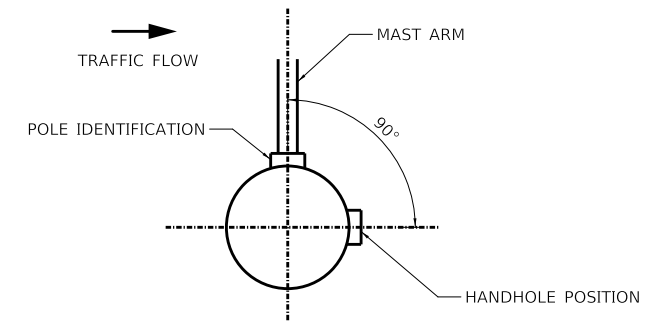
- NOTES:
1. 4" HIGH WHITE LETTERS ON RED, PRESSURE SENSITIVE AND REFLECTIVE BACKGROUND.
 2. ONE PIECE STICKER 4" X 4-1/2" PER CHARACTER.
 3. FONT: T2000 HWYC
 4. THE CONTRACTOR SHALL COORDINATE POLE IDENTIFICATION NUMBERS WITH THE VILLAGE PRIOR TO CONSTRUCTION.

POLE IDENTIFICATION

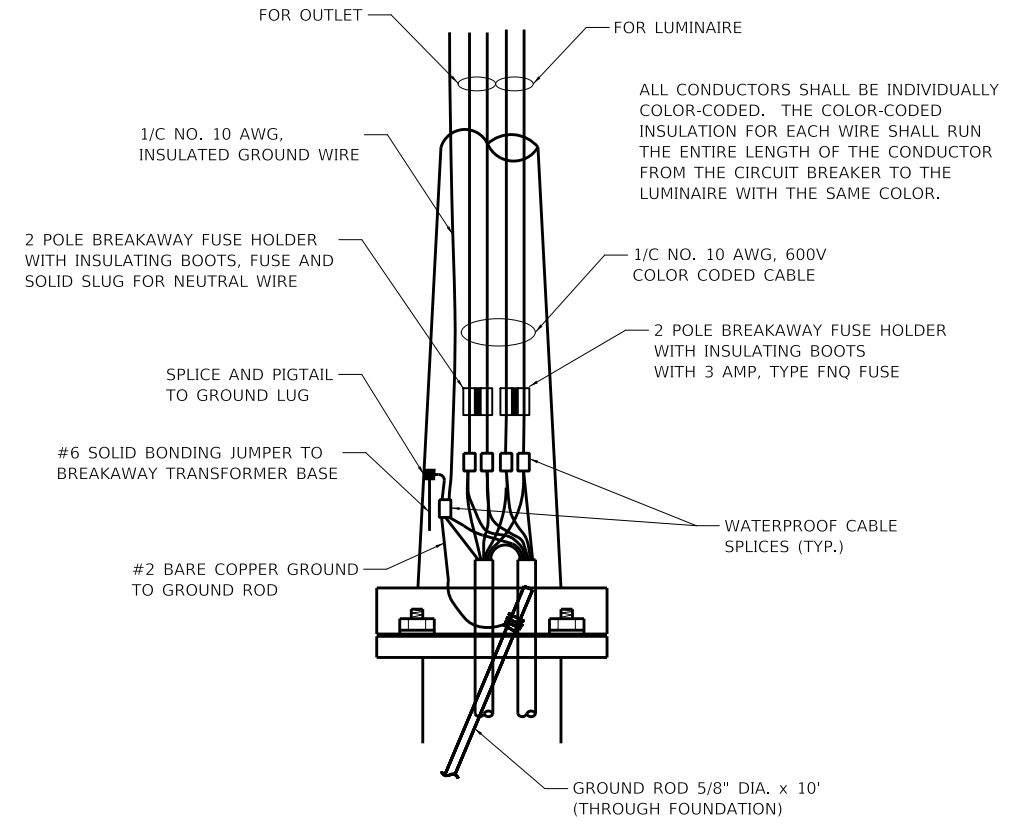


- NOTES:
1. DOORS: ALUMINUM ONLY.
 2. BOLTS AND WASHERS SHOULD BE INSTALLED ACCORDING TO THE BREAKAWAY DEVICE MANUFACTURER'S SPECIFICATION.
 3. HARDWARE: CARRIAGE BOLTS SHALL BE USED WITH FLAT WASHER, LOCK WASHER, AND NUTS. NO THREADED ROD ALLOWED.
 4. GROUNDING: AREA WHERE THE GROUND WIRE ATTACHES TO TRANSFORMER BASE MUST BE SCRATCHED TO ENSURE EFFECTIVE BONDING.

TRANSFORMER BASE (BREAKAWAY DEVICE)
(MEET CURRENT AASHTO REQUIREMENTS)



POSITION OF HANDHOLE AND POLE IDENTIFICATION



ROADWAY POLE HANDHOLE WIRING DIAGRAM

USER NAME = djk	DESIGNED - JAT	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - JAT	REVISED -
PLOT DATE = 2/10/2022	CHECKED - DJK	REVISED -
	DATE - 01/12/2022	REVISED -

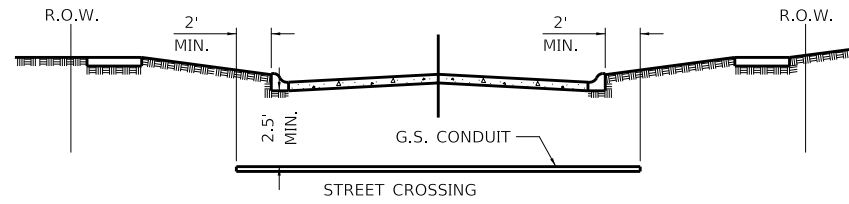
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LIGHTING DETAILS	
SCALE: N.T.S.	SHEET 1 OF 2 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-02-PV	COOK	43	31
				CONTRACT NO. 61H65
ILLINOIS				

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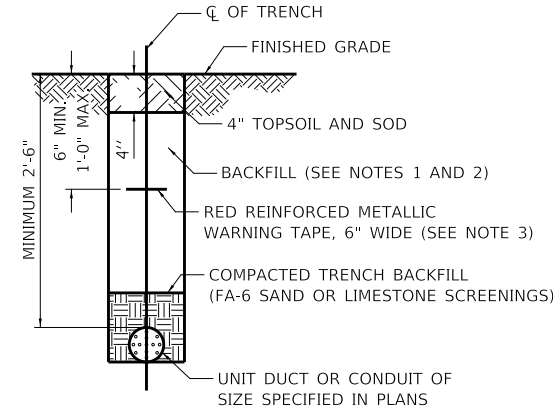


- PAVEMENT INCLUDES ROADS, DRIVEWAYS, SIDEWALKS, AND BIKE PATHS.
- CONDUIT SHALL BE HEAVY WALL RIGID GALVANIZED STEEL CONDUIT, MINIMUM 2" DIAMETER.
- CONDUIT SHALL EXTEND A MINIMUM OF 2 FT. BEYOND BACK OF CURB OR EDGE OF PAVEMENT.
- CONDUIT SHALL BE A MINIMUM OF 2.5 FT. BELOW BOTTOM OF PAVEMENT.

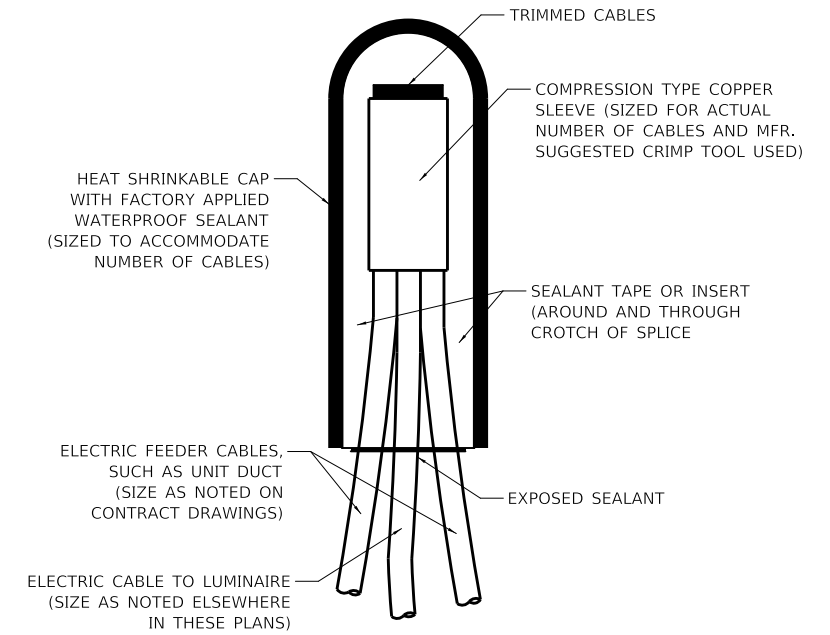
ELECTRICAL CONDUIT UNDER PAVEMENT

NOTES:

- IN GRASS COVERED AREAS, THE BACKFILL MAY BE COMPACTED EARTH.
- TRENCHES WITHIN 2' OF PROPOSED OR EXISTING STREETS, DRIVEWAYS, OR SIDEWALKS WILL BE BACKFILLED WITH COMPACTED FA-6 SAND OR LIMESTONE SCREENINGS.
- WARNING TAPE WILL BE RED WITH BLACK LETTERING TO READ "CAUTION - ELECTRIC LINE BURIED BELOW".
- ALL GRASS COVERED AREAS DISTURBED DURING CONSTRUCTION WILL BE RESTORED WITH 4" OF TOPSOIL AND SOD.
- MINIMUM UNIT DUCT AND CONDUIT DEPTH IS 30". NOTIFY RESIDENT ENGINEER AND VILLAGE ENGINEER WITH CONFLICTS.

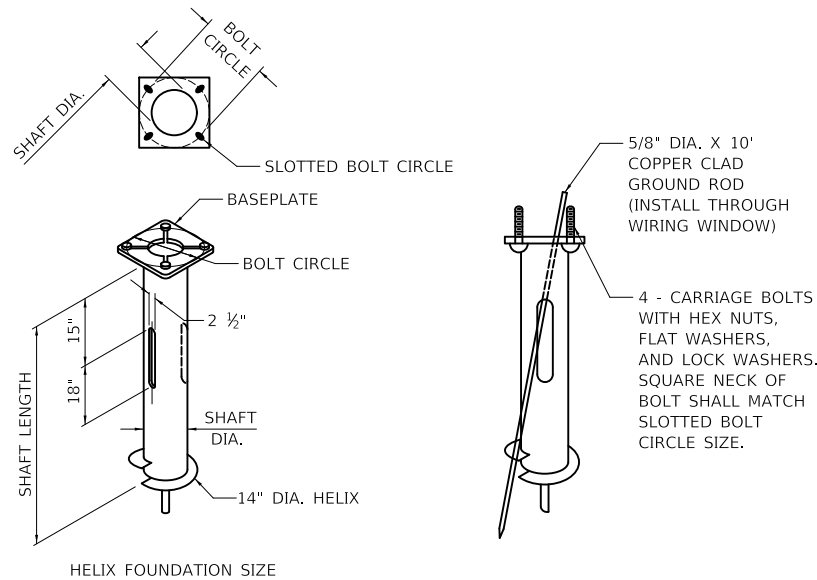


TYPICAL TRENCH CROSS SECTION



NOTE: NUMBER OF CABLES IN SPLICE MAY VARY

SPlicing ELECTRIC CABLES BASIC MATERIALS AND METHODS



NOTES FOR METAL FOUNDATION

- METAL FOUNDATION SHALL BE THE FOUNDATION USED FOR ALL LIGHTING AND DECORATIVE LIGHTING UNITS UNLESS CONDITIONS IN THE FIELD MAKES IT IMPOSSIBLE TO USE METAL FOUNDATIONS, THEN AN OFFSET FOUNDATION SHALL BE USED WITH ENGINEER APPROVAL.
- ALL MATERIAL SHALL BE GALVANIZED ACCORDING TO AASHTO M111, UNLESS OTHERWISE SPECIFIED.
- ALL WELDS SHALL BE CONTINUOUS AND NOT LESS THAN ¼" FILLET WELDS. THE WELDED FOUNDATION SHALL BE CAPABLE OF WITHSTANDING 10,000 FT/LBS OF INSTALLATION TORQUE APPLIED ABOUT THE AXIS OF THE FOUNDATION.
- CUT TWO SLOTS IN THE SHAFT AT 180 DEGREE FOR UNIT DUCTS AND CABLES ENTERING AND LEAVING THE POLE FOUNDATION.
- TOP PLATE SHALL BE PERMANENTLY MARKED WITH THE CABLING SLOT LOCATIONS.
- HELIX FOUNDATION SHALL BE INSTALLED VERTICAL AND THE BASEPLATE SHALL BE IN LEVEL. THE BREAKAWAY COUPLINGS AND HARDWARE SHALL NOT BE USED TO ALIGN THE POLE INSTALLATION.
- THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE INSTALLATION OF THE LIGHT POLE.
- THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF THE BASEPLATE WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS.
- ANY VOIDS WITHIN THE METAL FOUNDATION SHALL BE FILLED WITH SAND.
- METAL FOUNDATIONS SHALL BE INSTALLED IN UNDISTURBED SOIL. PREDRILLING A PILOT HOLE AND/OR BACKFILLING AROUND THE FOUNDATION IS NOT ALLOWED.
- GROUND ROD, 5/8" DIA. X 10', THROUGH FOUNDATION WILL BE REQUIRED AND INCLUDED ON ALL LIGHT POLE FOUNDATIONS INCLUDING METAL FOUNDATIONS.

- THE METAL FOUNDATION SHALL NOT BE INSTALLED TO A TORQUE WHICH EXCEEDS THE MANUFACTURER'S MAXIMUM TORQUE RATING NOR SHALL IT BE INSTALLED TO AN INSTALLATION TORQUE VALUE OF LESS THAN 3,500 FT LB. METAL FOUNDATIONS THAT ARE NOT INSTALLED TO FULL INSTALLATION DEPTH OR DO NOT ACHIEVE THE MINIMUM INSTALLATION TORQUE SHALL BE REMOVED AND REPLACED WITH A CONCRETE FOUNDATION AT NO ADDITIONAL COST.
- THE BASEPLATE SHALL BE PERPENDICULAR TO THE SHAFT AXIS (± 1°) AND THE HOLE CENTERLINE SHALL BE CONCENTRIC (± 0.188) TO THE SHAFT AXIS.
- THE PILOT POINT AND SHAFT AXIS SHALL BE CONCENTRIC (± 0.125) AND IN LINE (±2°).
- THE BASEPLATE SHALL BE STAMPED WITH THE MANUFACTURERS NAME AND DATE OF MANUFACTURE.
- ALL MATERIAL IS TO BE NEW, UNUSED AND MILL TRACEABLE MEETING THE FOLLOWING SPECIFICATIONS:

- BASE PLATE: AASHTO M 270M, GRADE 36 (M270M, GRADE 250)
- SHAFT: ASTM A 252 - (LATEST REVISION) GRADE 2, (PHOSPHOROUS 0.04% MAXIMUM, SULFUR 0.05% MAXIMUM)
- HELIX SCREW: AASHTO M 183 (ASTM A 635) (LATEST REVISION)
- PILOT POINT: AASHTO M 270 (ASTM A 575) (LATEST REVISION)
- ANCHOR RODS/STUDS: AASHTO M 314 (ASTM F 1554) (LATEST REVISION)
- HEXAGON NUTS: AASHTO M 291M (ASTM A 563) GRADE DH, OR AASHTO M 292 (ASTM A 194) GRADE 2H (LATEST REVISION)
- WASHERS: AASHTO M 293 (ASTM F 436) (LATEST REVISION)

POLE MOUNTING HEIGHT	BOLT CIRCLE	SHAFT DIAMETER	SHAFT LENGTH	BASEPLATE
30 FT.	11½"	8¾"	6 FT.	12" X 12" X 1"
31 FT. - 35 FT.	11½"	8¾"	6 FT.	12" X 12" X 1"
36 FT. - 40 FT.	15"	8¾"	6 FT.*	15" X 15" X 1¼"
41 FT. - 45 FT.	15"	8¾"	6 FT.	15" X 15" X 1¼"
46 FT. - 50 FT.	15"	10"	8 FT.	15" X 15" X 1¼"

* FOR TWIN LUMINAIRES THE SHAFT LENGTH WILL BE 8 FT.

POLE FOUNDATION METAL

HELIX MUST BE FORMED BY MATCHING METAL DIE (SIDE VIEW OF TRUE HELICAL FORM)

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PLOT DATE = 2/10/2022	DATE - 01/12/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: N.T.S. SHEET 2 OF 2 SHEETS

LIGHTING DETAILS

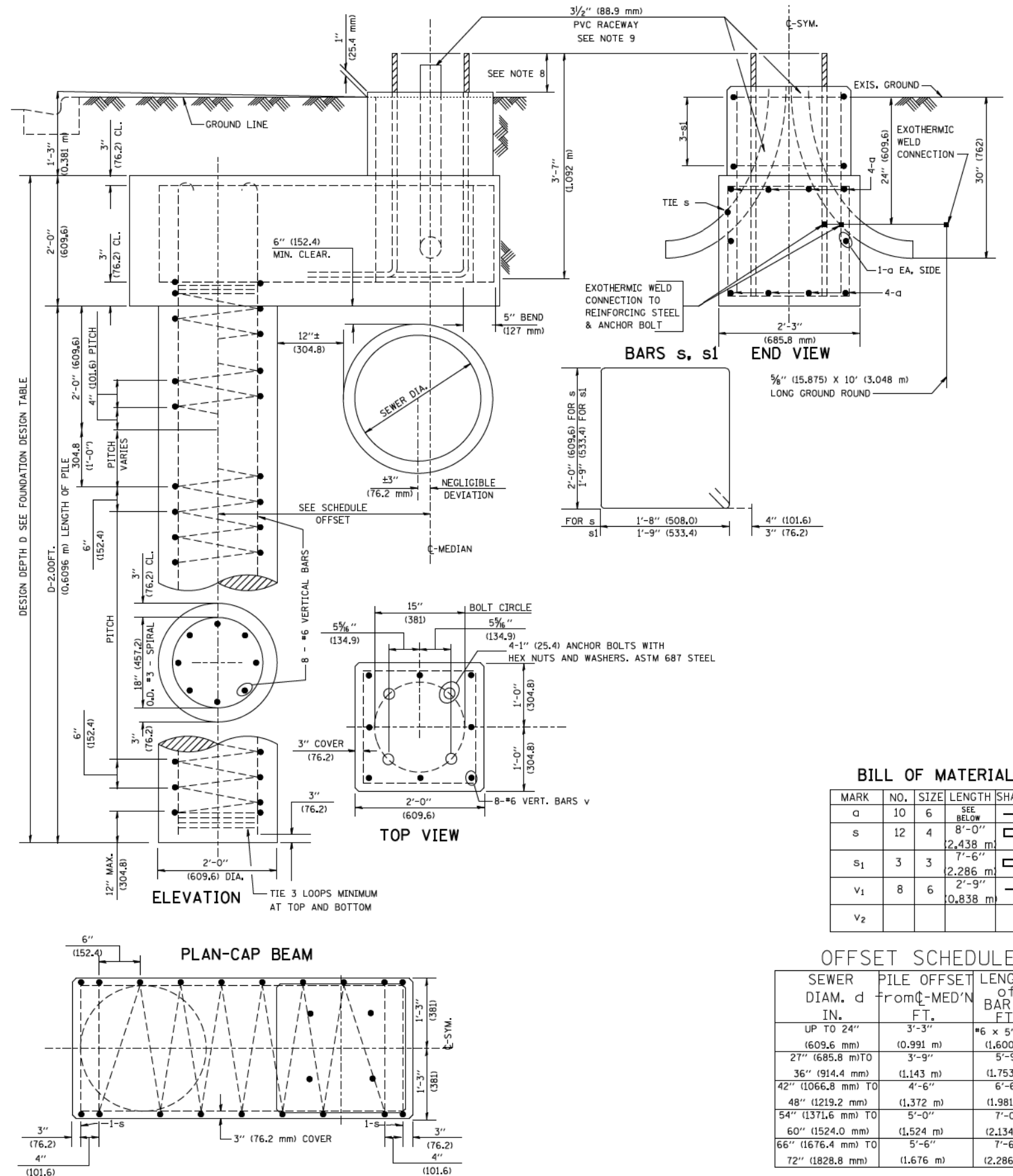
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-02-PV	COOK	43	32
				CONTRACT NO. 61H65
ILLINOIS				

FOUNDATION DESIGN TABLE

TYPE OF SOIL	DESIGN DEPTH OF FOUNDATION		REINFORCEMENT IN FOUNDATION			
	SINGLE ARM D	TWIN ARM D	SINGLE ARM		TWIN ARM	
			VERT BARS	SPIRAL	VERT BARS	SPIRAL
SOFT CLAY	13'-0" (3.962 m)	15'-0" (4.572 m)	8-#6X12'-6" (3.810 m)	#3X122' (37.186 m)	8-#6X14'-3" (4.343 m)	#3X141' (42.977 m)
MEDIUM CLAY	9'-6" (2.896 m)	10'-9" (3.277 m)	8-#6X9'-0" (2.743 m)	#3X90' (27.432 m)	8-#6X10'-0" (3.048 m)	#3X100' (30.480 m)
STIFF CLAY	7'-0" (2.134 m)	8'-0" (2.438 m)	8-#6X6'-6" (1.981 m)	#3X66' (20.112 m)	8-#6X7'-6" (2.286 m)	#3X76' (23.165 m)
LOOSE SAND	9'-0" (2.743 m)	10'-0" (3.048 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)	8-#6X9'-6" (2.896 m)	#3X94' (28.651 m)
MEDIUM SAND	8'-3" (2.515 m)	9'-0" (2.743 m)	8-#6X8'-0" (2.438 m)	#3X78' (23.774 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)
DENSE SAND	7'-9" (2.362 m)	9'-0" (2.743 m)	8-#6X7'-6" (2.286 m)	#3X73' (22.250 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)
ROCK OR SOLIDIFIED SLAG	5'-0" (1.524 m)	5'-0" (1.524 m)	NONE	NONE	NONE	NONE

NOTES

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ENGINEER SHALL DETERMINE THE CLASS OF SOIL DURING EXCAVATION AND SELECT THE DESIGN DEPTH OF FOUNDATION FROM THE DESIGN TABLE.
- EXCAVATION OF THE POLE FOUNDATION SHALL BE MADE WITH AN AUGER, 24" (609.6 mm) OR 30" (762.0 mm) IN DIAMETER.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- THE ANCHOR BOLTS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED IN THE FORM.
- THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
- THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF FOUNDATION WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS. IF LIGHT POLE IS MOUNTED WITHOUT BREAKAWAY DEVICE, ANCHOR BOLTS SHALL PROJECT 2 3/4" (69.9 mm) ABOVE TOP OF THE FOUNDATION. THE CONTRACTOR SHALL CONFIRM ANCHOR BOLT EXTENTION WITH ENGINEER.
- RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.
- THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE LIGHT IS ERCTED.



BILL OF MATERIAL

MARK	NO.	SIZE	LENGTH	SHAPE
a	10	6	SEE BELOW	—
s	12	4	8'-0" (2.438 m)	□
s ₁	3	3	7'-6" (2.286 m)	□
v ₁	8	6	2'-9" (0.838 m)	—
v ₂				

OFFSET SCHEDULE

SEWER DIAM. d	PILE OFFSET FROM C-MED'N IN.	LENGTH of BAR a FT.
UP TO 24" (609.6 mm)	3'-3" (0.991 m)	#6 x 5'-3" (1.600 m)
27" (685.8 mm) TO	3'-9" (1.143 m)	5'-9" (1.753 m)
36" (914.4 mm)	(1.143 m)	(1.753 m)
42" (1066.8 mm) TO	4'-6" (1.372 m)	6'-6" (1.981 m)
48" (1219.2 mm)	(1.372 m)	(1.981 m)
54" (1371.6 mm) TO	5'-0" (1.524 m)	7'-0" (2.134 m)
60" (1524.0 mm) TO	(1.524 m)	(2.134 m)
66" (1676.4 mm) TO	5'-6" (1.676 m)	7'-6" (2.286 m)
72" (1828.8 mm)	(1.676 m)	(2.286 m)

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		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

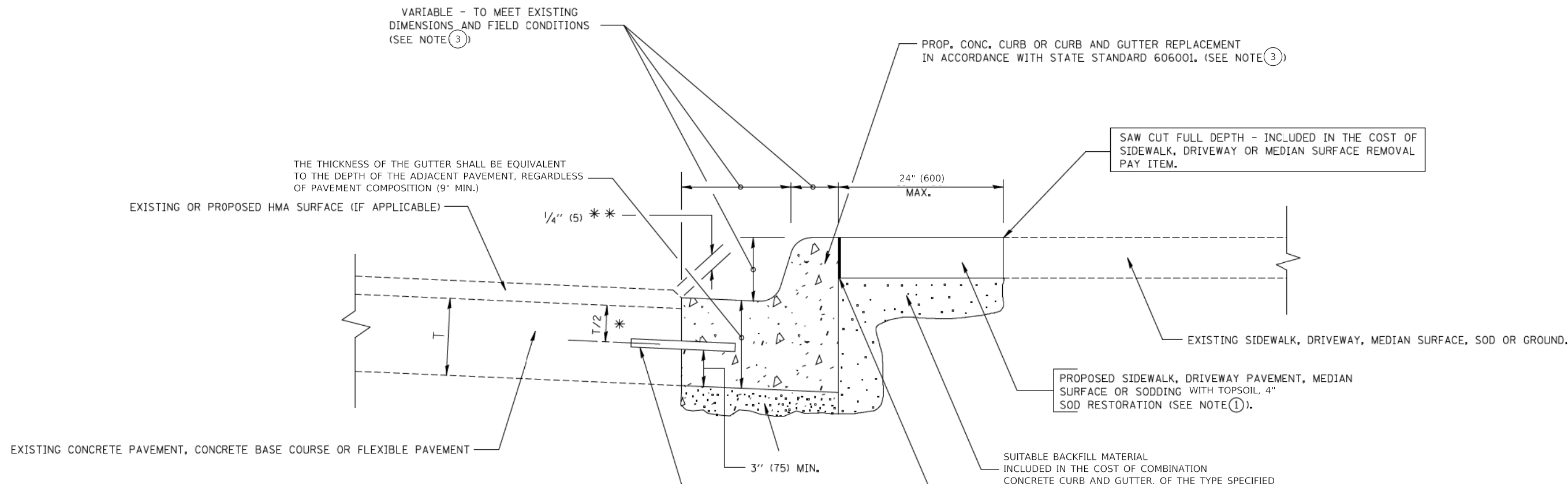
LIGHT POLE FOUNDATION OFFSET
40" (12.192 m) TO 47 1/2" (14.478 m) M.H.
15" (381 mm) BOLT CIRCLE

SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE. 1103	SECTION 15-00119-00-PV	COUNTY COOK	TOTAL SHEETS 43	SHEET NO. 33
BE-310		CONTRACT NO. 61H65		
ILLINOIS FED. AID PROJECT				

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STRUCTURE NOTATION CURVD	



- * 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 AND TOPSOIL 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 CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF COMBINATION CURB AND GUTTER REMOVAL.
- 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.

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" OR LESS IS INCLUDED IN THE COST OF COMBINATION CONCRETE CURB AND GUTTER, OF THE TYPE SPECIFIED.

REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

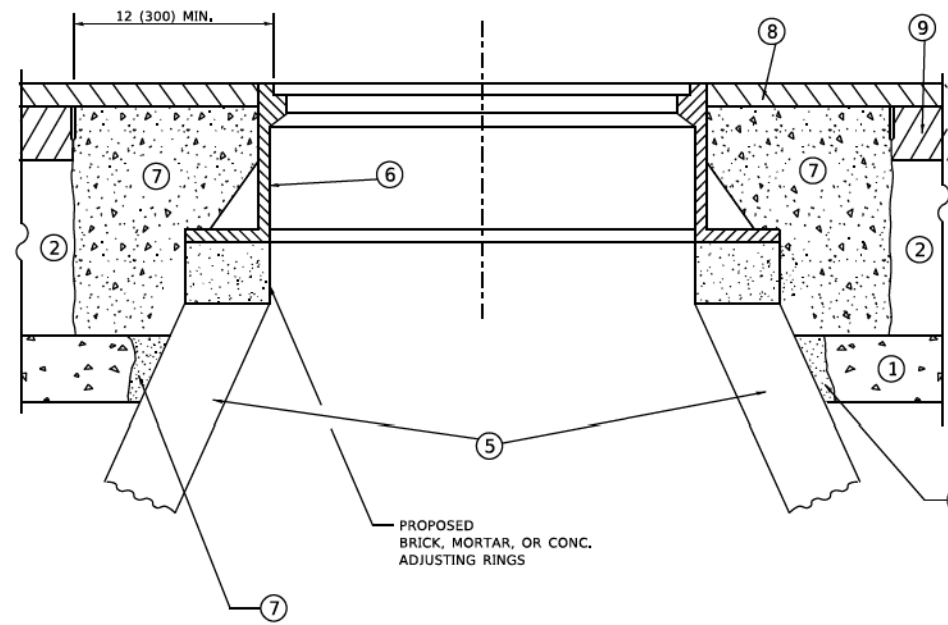
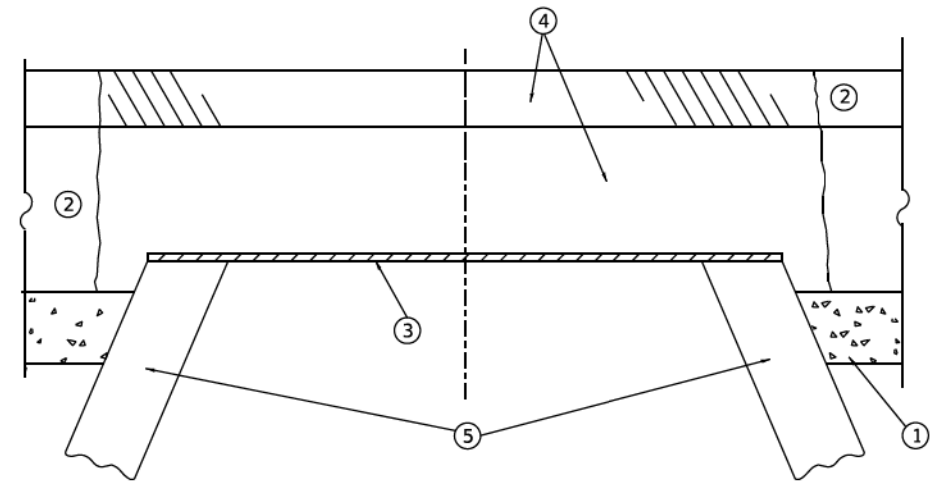
WHERE EXISTING CURB AND GUTTER IS TO BE REMOVED AND REPLACED ADJACENT TO EXISTING CONCRETE PAVEMENT REMAINING IN PLACE, THE CONTRACTOR SHALL PERFORM THE REMOVAL SO THAT THE EXISTING TIE BARS CAN BE USED IN TYING THE NEW CURB AND GUTTER TO THE EXISTING PAVEMENT. ANY TIE BARS WHICH ARE DAMAGED OR MISSING SHALL BE REPLACED WITH NO. 6 TIE BARS, 24 INCHES LONG, EMBEDDED 8 INCHES AT 24 IN. CENTERS IN ACCORDANCE WITH THE ARTICLE 420.05 (B) OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.

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

CURB AND GUTTER REMOVAL AND REPLACEMENT DETAIL

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PLOT SCALE = 20.0000' / in.	DRAWN - JAT	REVISED -			1103	16-00127-02-PV	COOK	43	34	
PLOT DATE = 2/10/2022	CHECKED - DJK	REVISED -			CONTRACT NO. 61H65					
	DATE - 01/12/2022	REVISED -			ILLINOIS					



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

CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

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

STAGE 2 (AFTER PAVEMENT MILLING)

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

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

LEGEND

- ① SUB-BASE GRANULAR MATERIAL
- 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

- 1. REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."
- 2. THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.
- 3. NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.
- 4. WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

NOTES

- 1. EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
- 2. IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.
- 3. CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.
- 4. THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

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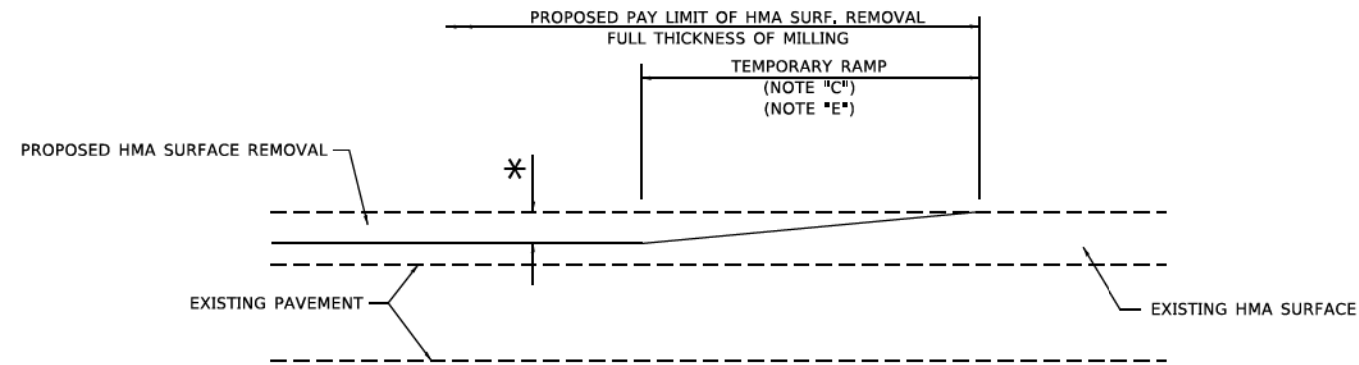
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PLOT DATE = 2/2/2022	DATE - 10-25-94	REVISED - R. BORO 12-06-11
		REVISED - K. SMITH 02-01-22

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

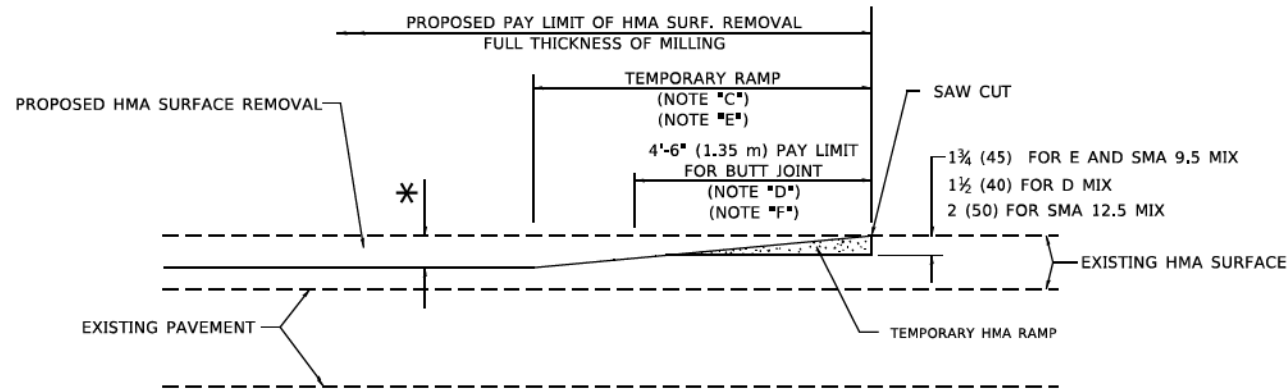
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-02-PV	COOK	43	35
BD600-03 (BD-08)			CONTRACT NO. 61H65	
ILLINOIS FED. AID PROJECT				



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

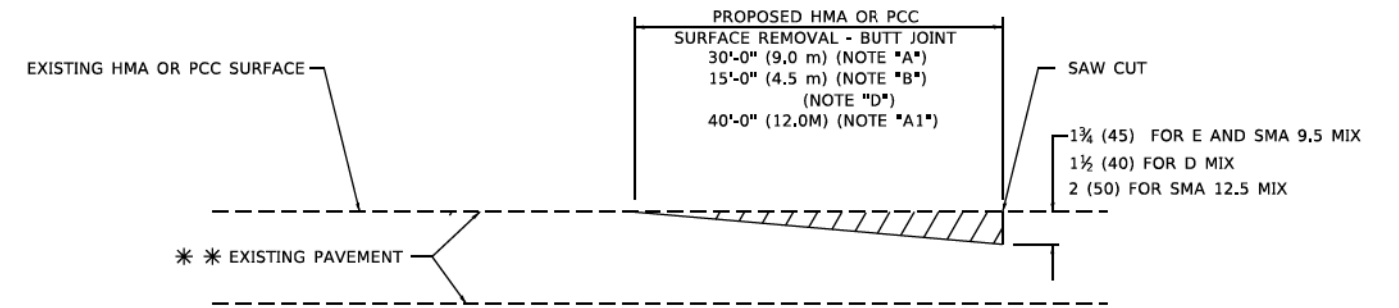


HMA CONSTRUCTED TEMPORARY RAMP

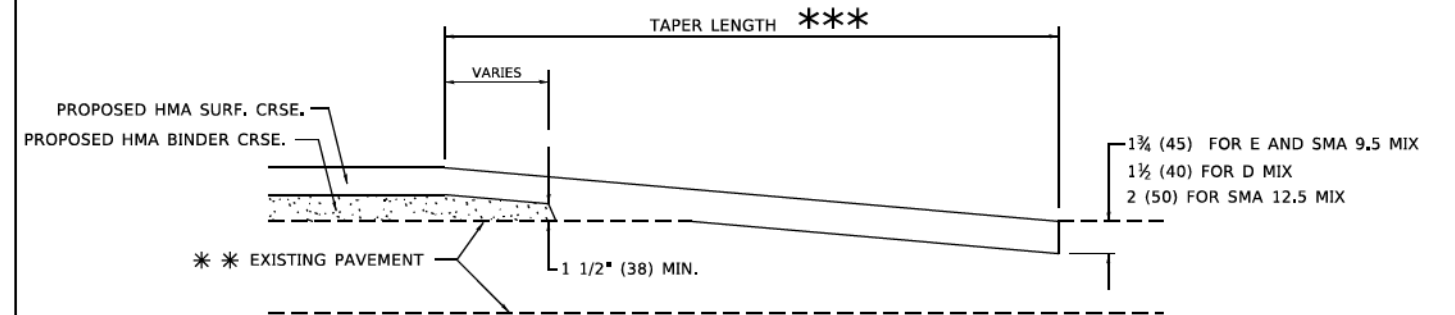
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

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

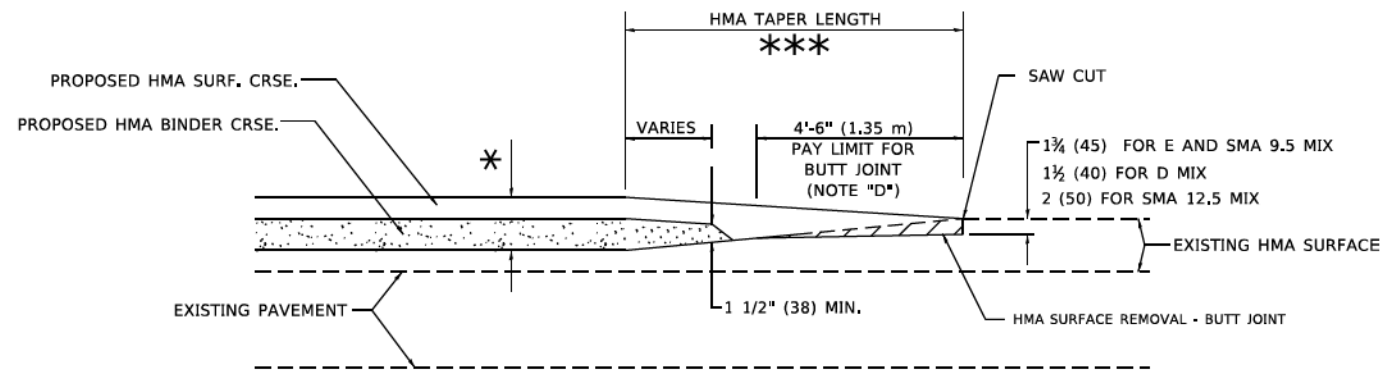
GENERAL NOTES

- A. MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.
- A1. INTERSTATES
- B. MINOR SIDE ROADS.
- C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E. TAPER THE TEMP. RAMP AT A RATE OF 3' - 4" (1.02m) PER 1 INCH (25 mm) OF MILLING THICKNESS.
* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- F. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
*** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT

- 1. THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL- BUTT JOINT".
- 2. THE TEMPORARY RAMP AND SAW CUT SHALL BE INCLUDED IN THE UNIT COST FOR HMA OR PCC SURFACE REMOVAL-BUTT JOINT.

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



BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

MODEL: D:\4\h...
FILE: W:\MS...
2/2/2022

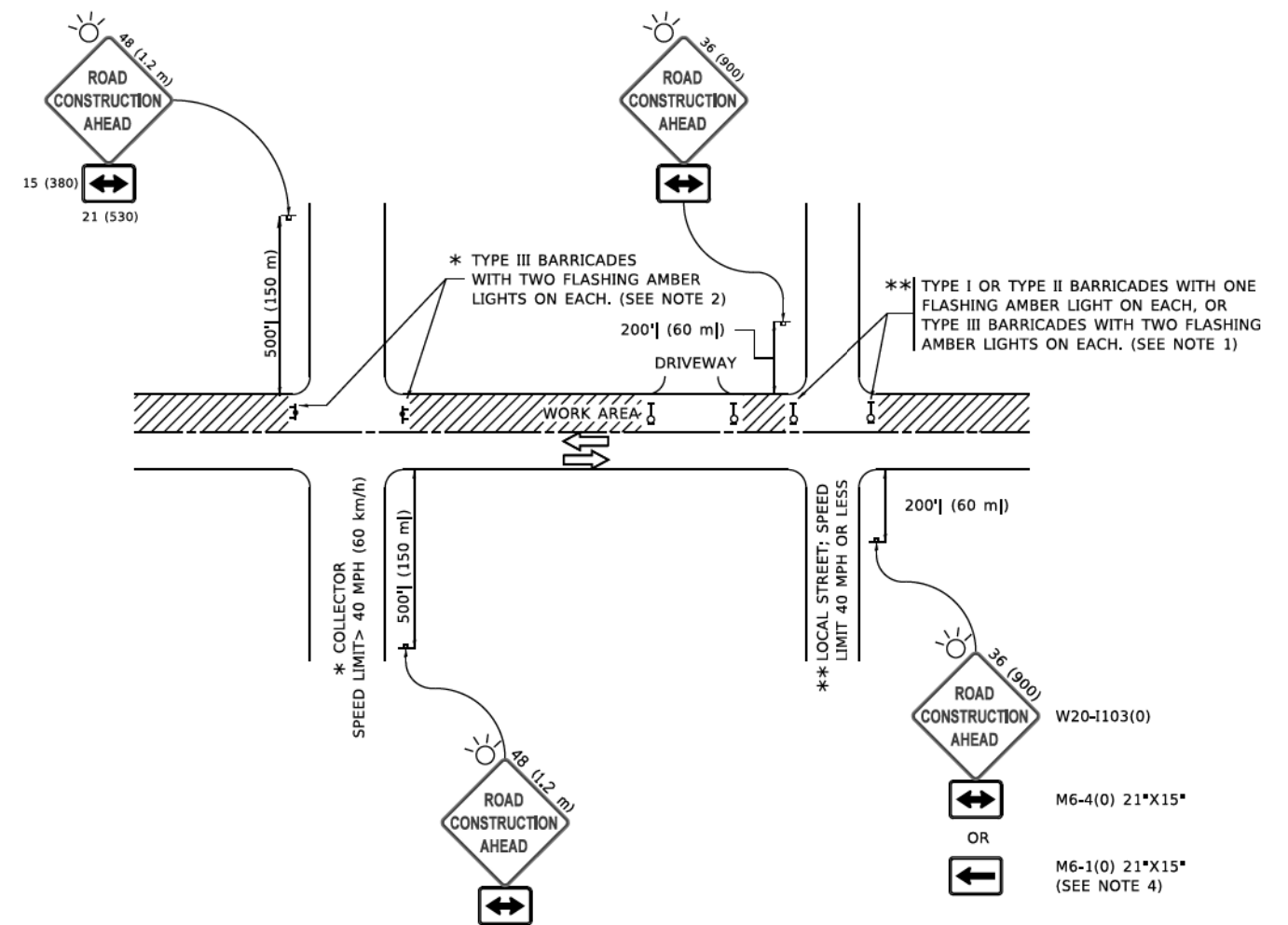
USER NAME - demanchelt	DESIGNED - M. DE YONG	REVISED - A. ABBAS 03-21-97
PLOT SCALE = 100,0000 * 1/16"	DRAWN -	REVISED - M. GOMEZ 04-06-01
PLOT DATE = 2/2/2022	CHECKED -	REVISED - R. BORO 01-01-07
	DATE - 06-13-90	REVISED - K. SMITH 02-01-22

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND
HMA TAPER DETAILS

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

F.A.U. RTE. 1103	SECTION 16-00127-02-PV	COUNTY COOK	TOTAL SHEETS 43	SHEET NO. 36
BD400-05 BD-32		CONTRACT NO. 61H65		
ILLINOIS FED. AID PROJECT				



NOTES:

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

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

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USER NAME	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
	DRAWN -	REVISED - T. RAMMACHER 01-06-00
PLOT SCALE = 50,0000 ' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
PLOT DATE = 3/4/2019	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-02-PV	COOK	43	37
TC-10		CONTRACT NO. 61H65		
ILLINOIS FED. AID PROJECT				

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

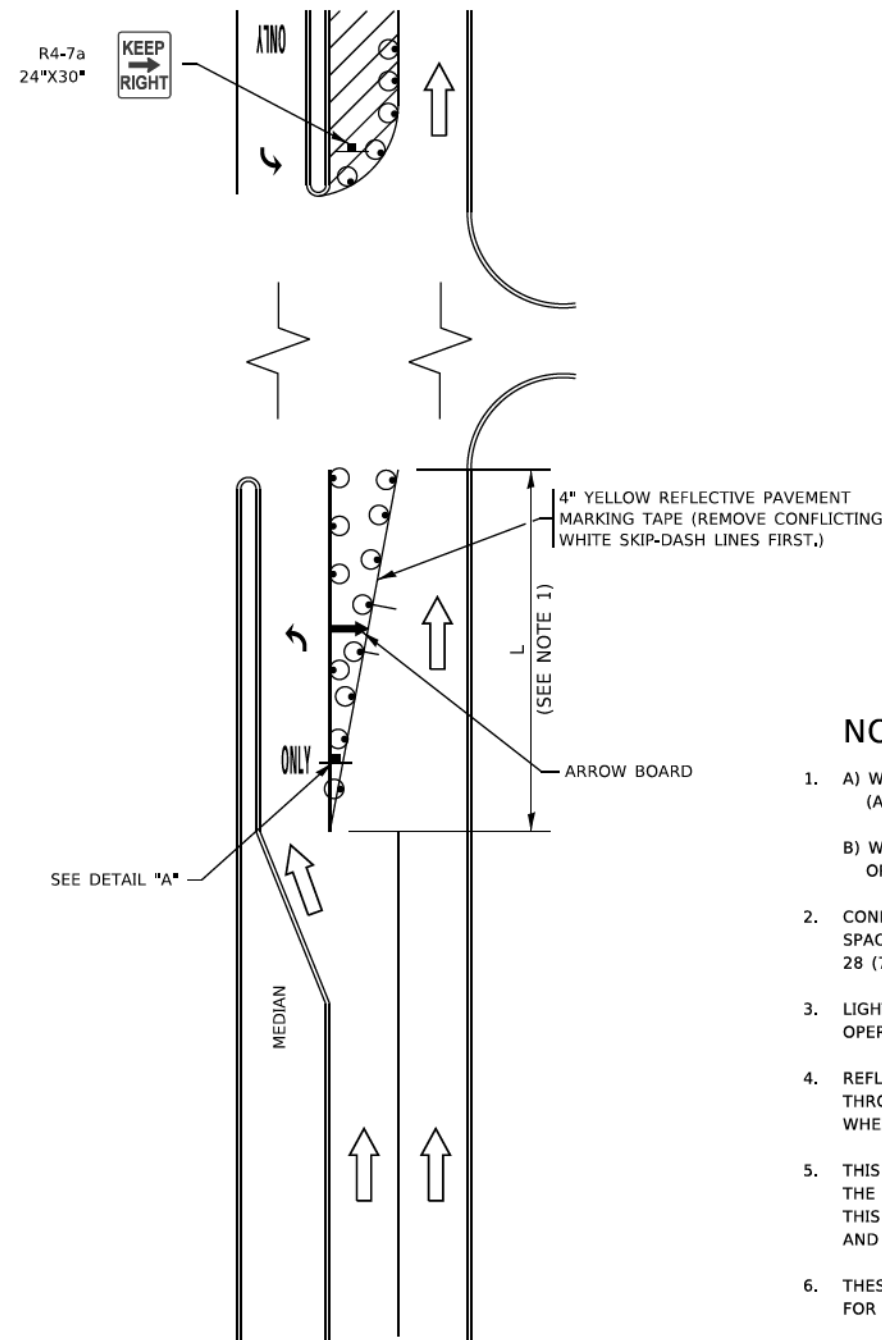


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

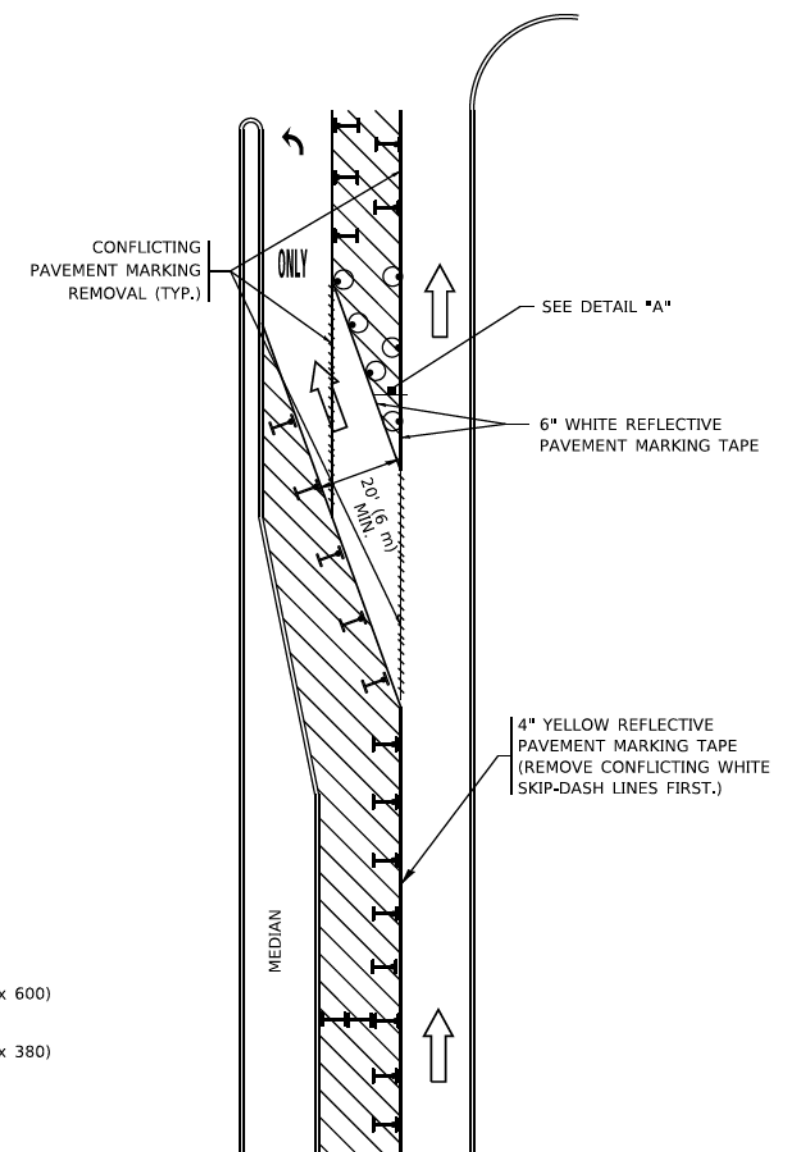


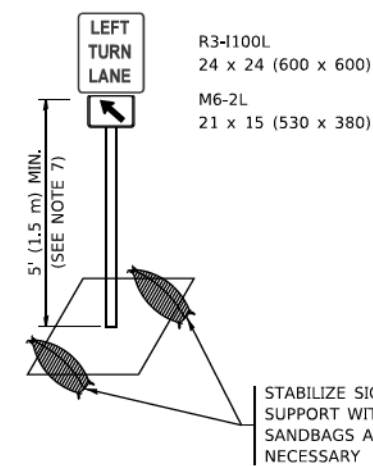
FIGURE 2

LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- ARROW BOARD
- TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- SIGN ASSEMBLY
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

NOTES:

1. A) WHEN "L" IS ≤ THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
B) WHEN "L" IS > THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-1100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH REQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.



DETAIL A

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

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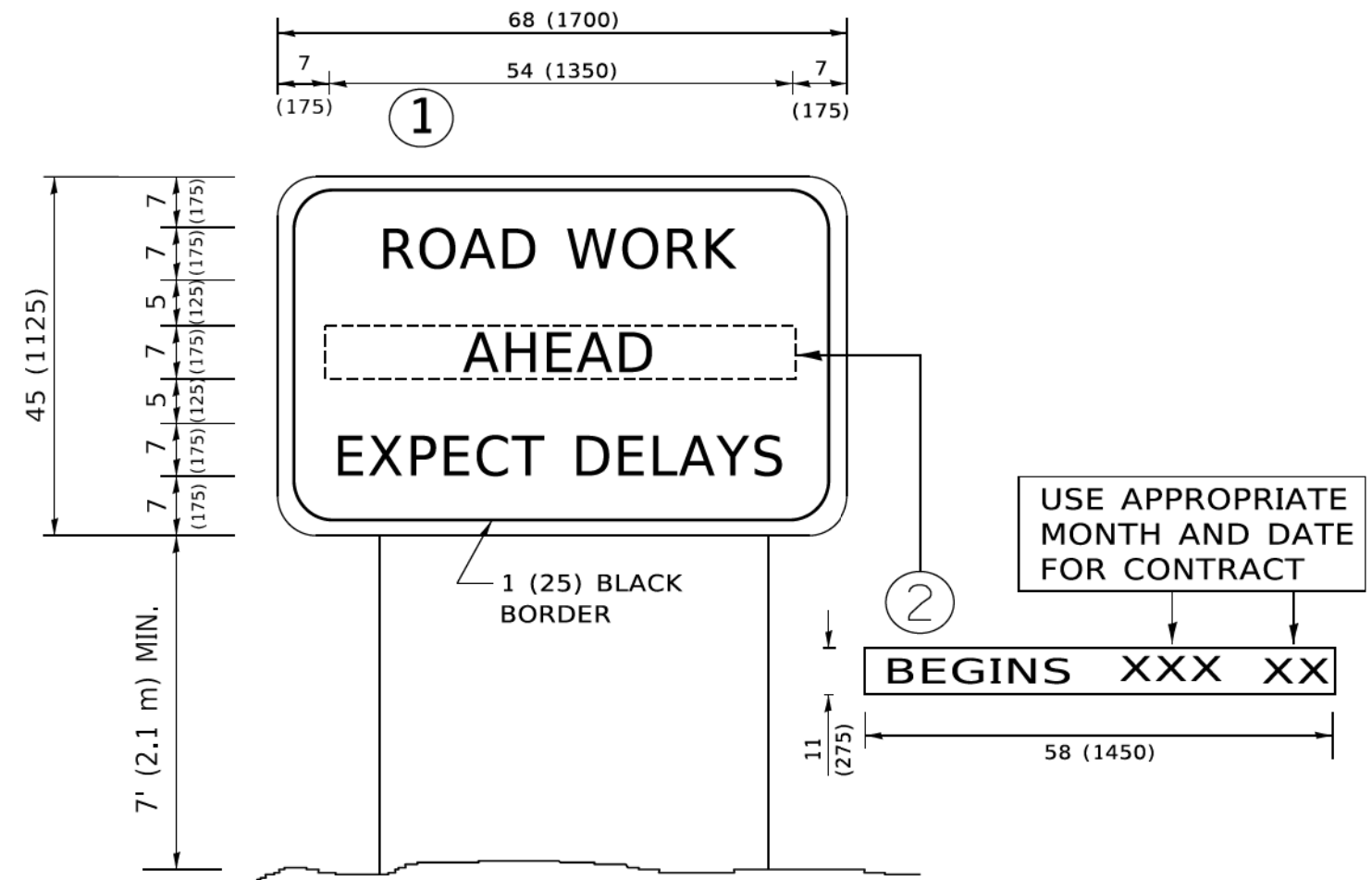
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	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13
PLOT SCALE = 50,000' / 1"	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 3/4/2019	DATE - T. RAMMACHER 01-06-00	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-02-PV	COOK	43	39
TC-14		CONTRACT NO. 61H65		
ILLINOIS FED. AID PROJECT				



NOTES:

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

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

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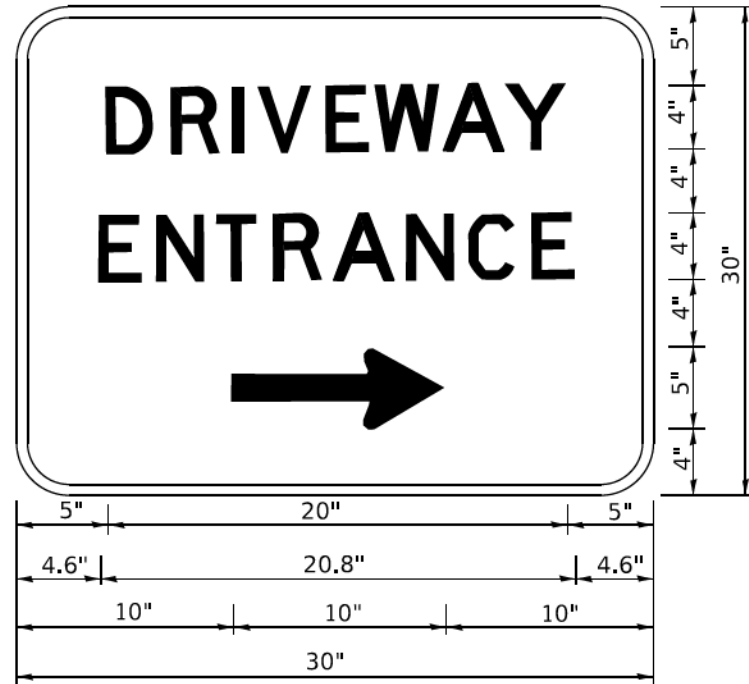
USER NAME	DESIGNED -	REVISED - R. MIRS 09-15-97
footemj	DRAWN -	REVISED - R. MIRS 12-11-97
PLOT SCALE	CHECKED -	REVISED - T. RAMMACHER 02-02-99
50,0000 ' / In.	DATE -	REVISED - C. JUCIUS 01-31-07
PLOT DATE		
3/4/2019		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-02-PV	COOK	43	41
TC-22		CONTRACT NO. 61H65		
ILLINOIS FED. AID PROJECT				



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

NOTES:

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

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USER NAME	DESIGNED -	REVISED -
footemj	DRAWN -	C. JUCIUS 02-15-07
	CHECKED -	REVISED -
PLOT SCALE	DATE -	REVISED -
50,0000 ' / in.		
PLOT DATE		
3/4/2019		

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

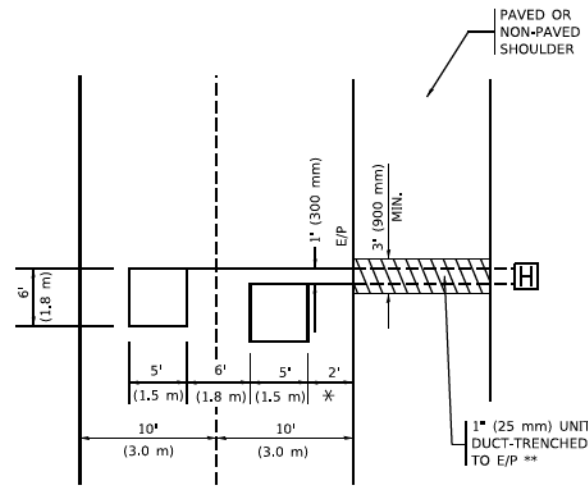
DRIVEWAY ENTRANCE SIGNING

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-02-PV	COOK	43	42
TC-26			CONTRACT NO. 61H65	
ILLINOIS FED. AID PROJECT				

LOOPS NEXT TO SHOULDERS

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

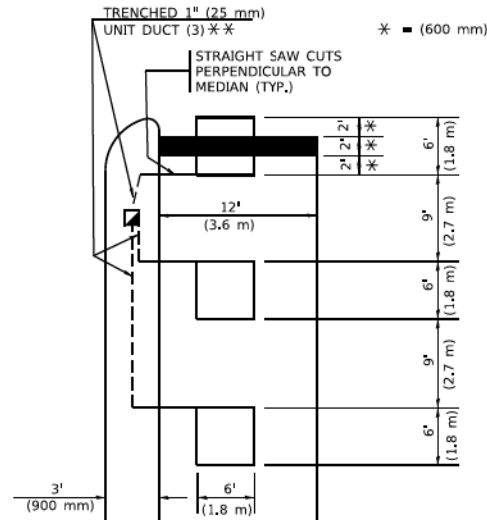


* = (600 mm)

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

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

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

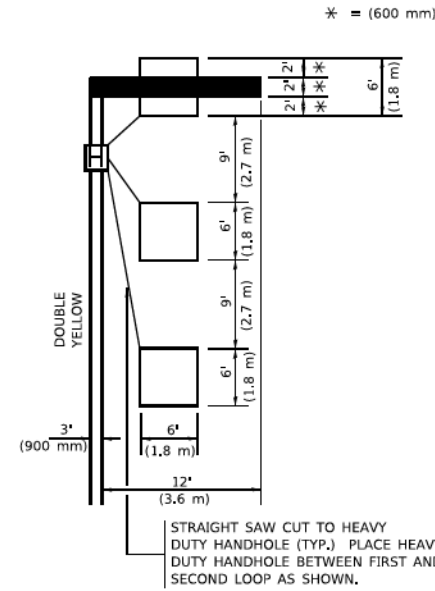


* = (600 mm)

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

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

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



* = (600 mm)

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

NOTES:

VEHICLES LOOP DETECTORS

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

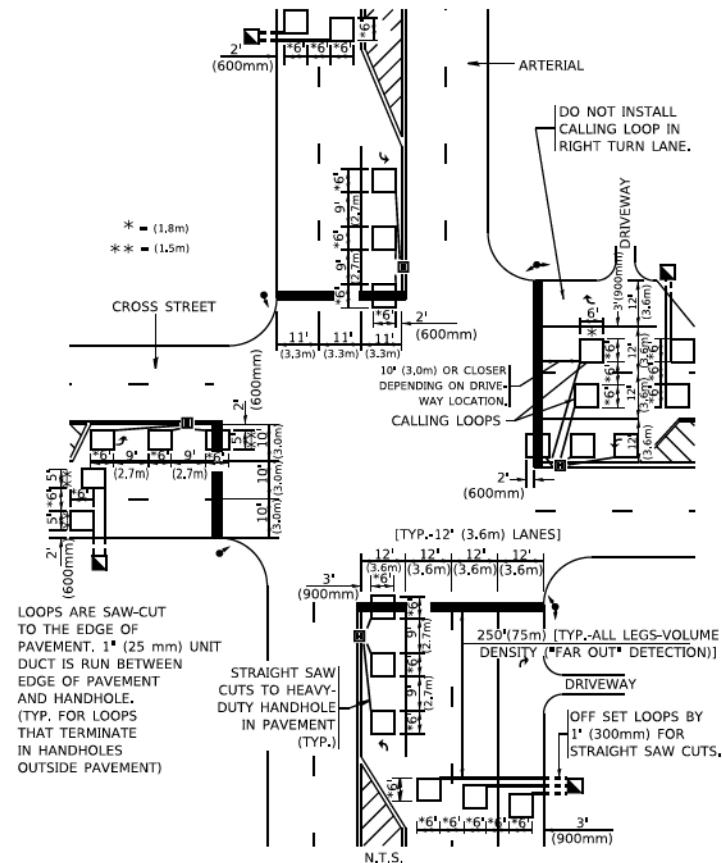
"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0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

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

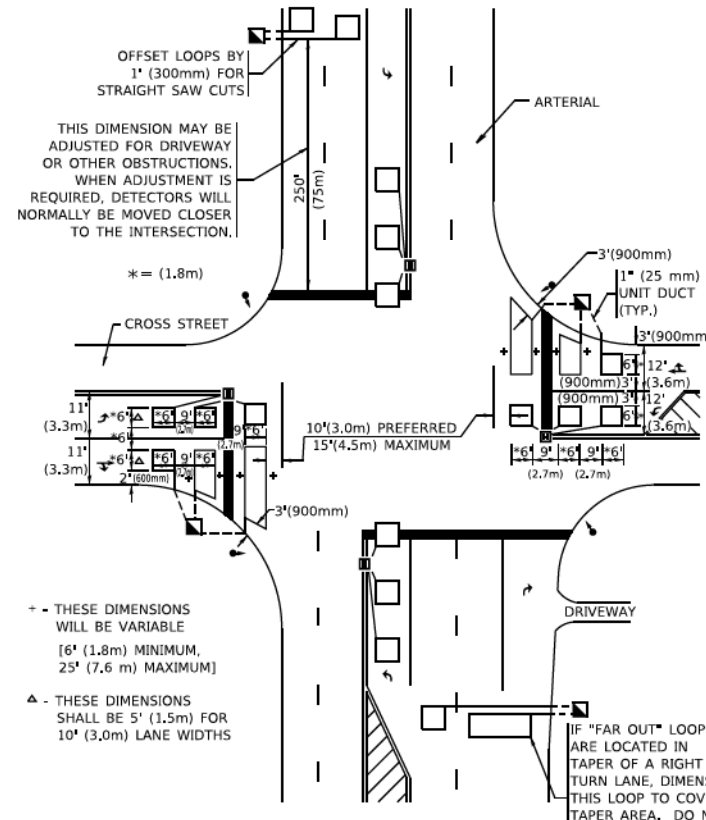


LOOPS ARE SAW-CUT TO THE EDGE OF PAVEMENT. 1" (25 mm) UNIT DUCT IS RUN BETWEEN EDGE OF PAVEMENT AND HANDHOLE. (TYP. FOR LOOPS THAT TERMINATE IN HANDHOLES OUTSIDE PAVEMENT)

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

DETAIL 1
N.T.S.

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



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

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

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

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

DETAIL 2
N.T.S.

MODEL: D:\info\...
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USER NAME = footem	DESIGNED -	REVISED -
PLOT SCALE = 50,0000' / In.	DRAWN -	REVISED -
PLOT DATE = 3/4/2019	CHECKED - R,K,F.	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1 - DETECTOR LOOP INSTALLATION	
DETAILS FOR ROADWAY RESURFACING	
SCALE: NONE	SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-02-PV	COOK	43	43
TS-07		CONTRACT NO. 61H65		
ILLINOIS FED. AID PROJECT				