FAU RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
1338	21-00074-00-RS		COOK	62	1
FED. ROAD DIST. NO. 1		ILLINOIS	CONTRACT NO. 61H77		

06-17-2022 LETTING ITEM 108

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

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

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

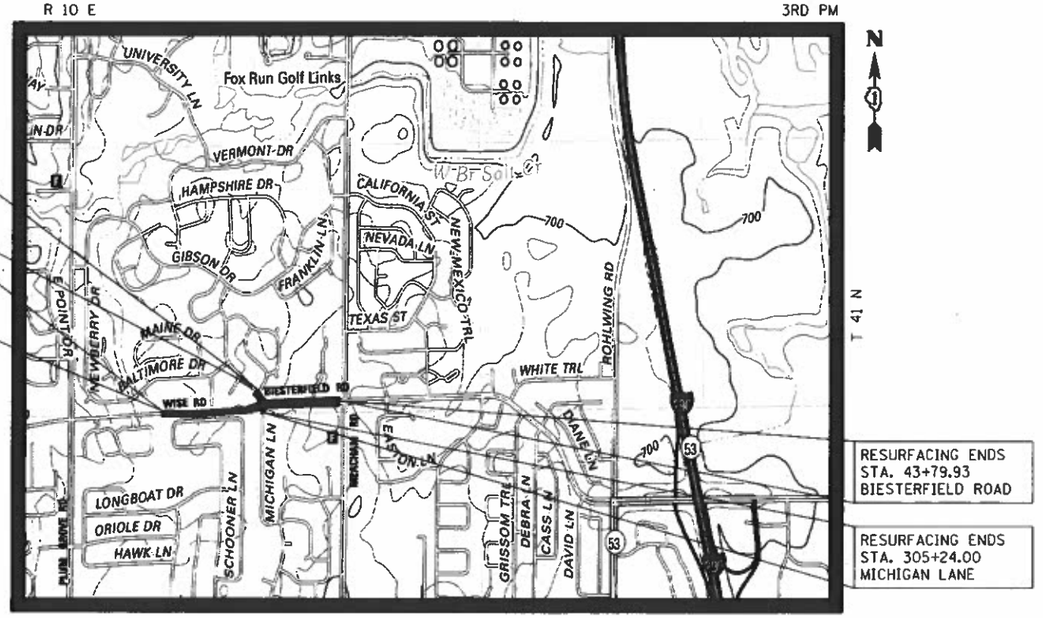
FAU ROUTE 1338 (WISE ROAD / BIESTERFIELD ROAD)
ELK GROVE VILLAGE LIMITS TO MEACHAM ROAD
RESURFACING
SECTION 21-00074-00-RS
PROJECT EXSB(004)
VILLAGE OF ELK GROVE VILLAGE
COOK COUNTY

C-91-165-21

DESIGN SPEED:
WISE ROAD / BIESTERFIELD ROAD - 25 MPH

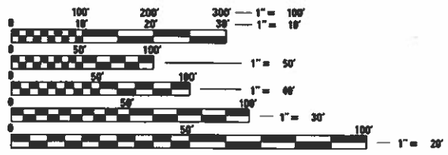
POSTED SPEED:
WISE ROAD / BIESTERFIELD ROAD - 25 MPH

DESIGN DESIGNATIONS:
WISE ROAD / BIESTERFIELD ROAD - 14,900 (2050) MINOR ARTERIAL



ELK GROVE TOWNSHIP

LOCATION MAP
NOT TO SCALE



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

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

CONTRACT NO. 61H77

PROJECT LENGTH (NET AND GROSS):
WISE ROAD / BIESTERFIELD ROAD - 2,584.43 FT. (0.489 MILE)
BIESTERFIELD ROAD / MICHIGAN LANE - 285.72 FT. (0.054 MILE)
TOTAL - 2,870.15 FT. (0.544 MILE)

CIVILTECH ENGINEERING, INC. 184-009828 LSP/ES/SE CORPORATION ILLINOIS

DAVID J. KREEGER 062-056281 LICENSED PROFESSIONAL ENGINEER OF ILLINOIS
SIGNED
DATE 3-03-2022 EXPIRES 11-30-2023
FOR DRAWINGS 1 TO 39, 51 TO 62

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED February 28 20 22
VILLAGE OF ELK GROVE VILLAGE DIRECTOR OF PUBLIC WORKS

PASSED April 6 20 22
DISTRICT ONE ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW April 6 20 22
REGIONAL ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

JOSEPH J. EMRY 062-057495 LICENSED PROFESSIONAL ENGINEER OF ILLINOIS
SIGNED
DATE 3-03-2022 EXPIRES 11-30-2023
FOR DRAWINGS 40 TO 50

CIVILTECH
Two Pierce Place, Suite 1400 - Itasca, Illinois 60143
Tel: 630.773.3900 - Fax: 630.773.3975
www.civiltechinc.com

PLAN
NOTE BOOK
NO.
SURVEYED
PLOTTED
QUANTITIES CHECKED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
BY
DATE

PROFILE
NOTE BOOK
NO.
SURVEYED
PLOTTED
QUANTITIES CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKD
BY
DATE

INDEX OF SHEETS

HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
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442201-03	CLASS C AND D PATCHES
602601-06	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
604001-05	FRAME AND LIDS, TYPE 1
604006-05	FRAME AND GRATE TYPE 3
604051-04	FRAME AND GRATE TYPE 11
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
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
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
701502-09	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701606-10	URBAN HALF ROAD CLOSURE MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
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780001-05	TYPICAL PAVEMENT MARKINGS

IDOT DISTRICT ONE STANDARDS

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

GENERAL NOTES

SPECIFICATIONS, STANDARDS AND SPECIAL PROVISIONS

1. 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.

2. NO WORK SHALL COMMENCE UNTIL TRAFFIC CONTROL REQUIREMENTS ARE MET.

3. THE ENGINEER AND ALL UTILITY COMPANIES, LOCAL POLICE, AND FIRE DEPARTMENTS SHALL BE NOTIFIED BY THE CONTRACTOR AT LEAST 72 HOURS PRIOR TO THE START OF CONSTRUCTION.

4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.

5. 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

1. 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.

2. HOT-MIX ASPHALT SURFACE COURSE AND HOT-MIX ASPHALT BINDER COURSE SHALL NOT BE PLACED UNTIL ALL EARTH EXCAVATION AND TOPSOIL PLACEMENT HAVE BEEN COMPLETED TO THE SATISFACTION OF THE ENGINEER.

3. 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.

4. 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.

5. 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.

6. REMOVAL OF SIDE CURB ALONG SIDEWALK SHALL BE PAID FOR AS "SIDEWALK REMOVAL".

7. AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ASI WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE SSRBC AND IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED, AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

UTILITIES

1. 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.

2. COORDINATION OF ANY UTILITY WORK INVOLVED IN THE CONSTRUCTION AREA WILL BE DISCUSSED AT THE PRECONSTRUCTION CONFERENCE.

3. 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.)

4. ANY EXISTING OR PROPOSED SEWER DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.

5. 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 UTILTY 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.

6. 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.

7. THE MAXIMUM HEIGHT OF ADJUSTING RINGS ON UTILITY STRUCTURES SHALL BE 8". CONCRETE ADJUSTMENT RINGS LESS THAN 4 INCHES SHALL NOT BE ALLOWED. HIGH DENSITY POLYETHYLENE (HDPE) PLASTIC RINGS AND RING WEDGES SHALL BE USED FOR ALL ADJUSTMENTS LESS THAN 4" OR IN COMBINATION WITH 4 INCH MINIMUM CONCRETE ADJUSTMENT RINGS. BRICKS SHALL NOT BE USED.

MODEL: SMODELNAMES
FILE NAME: ...\3585_Gen Notes

USER NAME = djk	DESIGNED - JAT	REVISED -	
	DRAWN - JAT	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - DJK	REVISED -	
PLOT DATE = 4/1/2022	DATE - 03/16/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES

SHEET 1 OF 2 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	21-00074-00-RS	COOK	62	2
		CONTRACT NO. 61H77		
	ILLINOIS			

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. USE TEMPORARY EROSION CONTROL SEEDING WHEN THE SODDING TIME IS BEYOND THE PERMITTED CONDITIONS PER ARTICLE 252.04 OF THE STANDARD SPECIFICATIONS.

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.

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

THERE ARE NO COMMITMENTS.

PLAN — NOTE BOOK NO. — SURVEYED — PLOTTED — ALIGNMENT CHECKED — RT. OF WAY CHECKED — CADD FILE NAME — BY — DATE

PROFILE — NOTE BOOK NO. — SURVEYED — PLOTTED — GRADES CHECKED — B.M. NOTED — STRUCTURE NOTATNS CHKD — BY — DATE

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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.
1338	21-00074-00-RS	COOK	62	3
		CONTRACT NO. 61H77		
	ILLINOIS			

SPECIAL PROVISION	SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
						0005	0042	
						RESURFACING	TRAINEES	NON-PARTICIPATING
						75% FEDERAL / 25% VILLAGE	75% FEDERAL / 25% VILLAGE	100% VILLAGE
		20101000	TEMPORARY FENCE	FOOT	320	320		
X	X	20101200	TREE ROOT PRUNING	EACH	8	8		
X	X	20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	3	3		
X	X	20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	1	1		
		20200100	EARTH EXCAVATION	CU YD	48	48		
		20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	29	29		
		21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	88	88		
		21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	514	514		
	X	25200110	SODDING, SALT TOLERANT	SQ YD	457	457		
	X	25200200	SUPPLEMENTAL WATERING	UNIT	62	62		
		28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	11	11		
		28000510	INLET FILTERS	EACH	33	33		
X		30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	29	29		
		31101180	SUBBASE GRANULAR MATERIAL, TYPE B 2"	SQ YD	331	331		
		31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	221	221		
		31101600	SUBBASE GRANULAR MATERIAL, TYPE B 8"	SQ YD	34	34		
		35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	3	3		
		35600713	HOT-MIX ASPHALT BASE COURSE WIDENING, 9 1/4"	SQ YD	17	17		

PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, B.M. NOTED, STRUCTURE NO'S/TYPS CHKD, NOTE BOOK, NO., BY, DATE

MODEL: $MODELNAME$
FILE NAME: ...\3585_sht_SOQ.dgn

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SHEET 1 OF 6 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	21-00074-00-RS	COOK	62	4
		CONTRACT NO. 61H77		
	ILLINOIS			

SPECIAL PROVISION	SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
						0005	0042	
						RESURFACING	TRAINEES	NON-PARTICIPATING
						75% FEDERAL / 25% VILLAGE	75% FEDERAL / 25% VILLAGE	100% VILLAGE
		35800100	PREPARATION OF BASE	SQ YD	334	334		
		35800200	AGGREGATE BASE REPAIR	TON	67	67		
		40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	10202	10202		
		40600370	LONGITUDINAL JOINT SEALANT	FOOT	8582	8582		
		40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	23	23		
		40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	143	143		
		40600901	HOT-MIX ASPHALT BINDER COURSE (HAND METHOD), N70	TON	58	58		
		40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	54	54		
		40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	635	635		
		40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	1695	1695		
		42001300	PROTECTIVE COAT	SQ YD	690	690		
		44000160	HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4"	SQ YD	15097	15097		
		44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	34	34		
		44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1295	1295		
		44000600	SIDEWALK REMOVAL	SQ FT	2064	2064		
		44004250	PAVED SHOULDER REMOVAL	SQ YD	2	2		
		44201761	CLASS D PATCHES, TYPE I, 10 INCH	SQ YD	68	68		

PLAN — SURVEYED, PLOTTED, CROSS SECTIONED, R/W CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

PROFILE — SURVEYED, PLOTTED, CROSS SECTIONED, B.M. NOTED, STRUCTURE NOTATNS CHKD, NOTE BOOK, NO., BY, DATE

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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.
1338	21-00074-00-RS	COOK	62	5
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SPECIAL PROVISION	SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
						0005	0042	
						RESURFACING	TRAINEES	NON-PARTICIPATING
						75% FEDERAL / 25% VILLAGE	75% FEDERAL / 25% VILLAGE	100% VILLAGE
		44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	252	252		
		44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	231	231		
		44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	478	478		
		44201789	CLASS D PATCHES, TYPE II, 12 INCH	SQ YD	42	42		
		44201794	CLASS D PATCHES, TYPE III, 12 INCH	SQ YD	65	65		
		60404300	FRAMES AND GRATES, TYPE 3	EACH	1	1		
		60404800	FRAMES AND GRATES, TYPE 11	EACH	7	7		
		60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	2	2		
X		60604100	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (MODIFIED)	FOOT	952	952		
X		60604700	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (MODIFIED)	FOOT	150	150		
X		60609500	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.12 (MODIFIED)	FOOT	9	9		
		60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	26	26		
		67100100	MOBILIZATION	L SUM	1	1		
		70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1		
		70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	1		
		70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1		
		70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1		

PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME; NOTE BOOK; NO.; BY; DATE

PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, B.M. NOTED, STRUCTURE NOTATIONS CHKED; NOTE BOOK; NO.; BY; DATE

MODEL: $MODELNAME$
FILE NAME: ...\3585 sht 000.dgn

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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.
1338	21-00074-00-RS	COOK	62	6
		CONTRACT NO. 61H77		
	ILLINOIS			

SPECIAL PROVISION	SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
						0005	0042	
						RESURFACING	TRAINEES	NON-PARTICIPATING
						75% FEDERAL / 25% VILLAGE	75% FEDERAL / 25% VILLAGE	100% VILLAGE
		70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1		
		70107025	CHANGEABLE MESSAGE SIGN	CAL DA	120	120		
		70300100	SHORT TERM PAVEMENT MARKING	FOOT	4876	4876		
		70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	805	805		
		70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	341	341		
		70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	9201	9201		
		70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	984	984		
		70300251	TEMPORARY PAVEMENT MARKING - LINE 8"- PAINT	FOOT	211	211		
		70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	661	661		
		70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	97	97		
		72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	2	2		
	X	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	341	341		
	X	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	9201	9201		
	X	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	984	984		
	X	78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	211	211		
	X	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	661	661		
	X	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	97	97		

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, INT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO.____, BY, DATE

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, B.M. NOTED, STRUCTURE NO'S/TYPES CHKED, NOTE BOOK, NO.____, BY, DATE

MODEL: $MODELNAME$
FILE NAME: ...\3585 sht SOQ.dgn

USER NAME = djk	DESIGNED - JAT	REVISED -	**STATE OF ILLINOIS**
	DRAWN - JAT	REVISED -	**DEPARTMENT OF TRANSPORTATION**
PLOT SCALE = 2.0000 ' / in.	CHECKED - DJK	REVISED -	
PLOT DATE = 4/1/2022	DATE - 03/16/2022	REVISED -	

SUMMARY OF QUANTITIES

SHEET 4 OF 6 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	21-00074-00-RS	COOK	62	7
		CONTRACT NO. 61H77		
	ILLINOIS			

SPECIAL PROVISION	SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
						0005	0042	
						RESURFACING	TRAINEES	NON-PARTICIPATING
						75% FEDERAL / 25% VILLAGE	75% FEDERAL / 25% VILLAGE	100% VILLAGE
X	X	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2	2		
X	X	87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1PAIR	FOOT	635	635		
X	X	88600100	DETECTOR LOOP, TYPE I	FOOT	736	736		
X	X	89500400	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	8	8		
	X	89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	635	635		
X	X	A2008470	TREE, ULMUS AMERICANA PRINCETON (PRINCETON AMERICAN ELM), 2-1/2" CALIPER , BALLED AND BURLAPPED	EACH	1	1		
X	X	K0012990	PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT	UNIT	1.0	1.0		
X	X	K0026850	PERENNIAL PLANT CARE	SQ YD	58	58		
X	X	K1005481	SHREDDED BARK MULCH, 3"	SQ YD	69	69		
X	X	X0327018	DECORATIVE SIGN POST	EACH	3	3		
X		X1700112	BRICK PAVER REMOVAL	SQ FT	433	433		
X		X2503112	MOWING (SPECIAL)	SQ YD	3000			3000
X		X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	100	100		
X		X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	4	4		
X		X4023000	TEMPORARY ACCESS (ROAD)	EACH	1	1		
X		X4230800	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH, SPECIAL	SQ YD	34	34		
X		X4240430	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL	SQ FT	2975	2975		

PLAN — SURVEYED, PLOTTED, GRADES CHECKED, R.P. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, B.M. NOTED, STRUCTURE NO., BY, DATE

MODEL: $MODELNAME$
FILE NAME: ...\3385_sht_500.dgn

USER NAME = djk	DESIGNED - JAT	REVISED -	**STATE OF ILLINOIS**
	DRAWN - JAT	REVISED -	**DEPARTMENT OF TRANSPORTATION**
PLOT SCALE = 2.0000 ' / in.	CHECKED - DJK	REVISED -	
PLOT DATE = 4/1/2022	DATE - 03/16/2022	REVISED -	

SUMMARY OF QUANTITIES

SHEET 5 OF 6 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	21-00074-00-RS	COOK	62	8
		CONTRACT NO. 61H77		
	ILLINOIS			

SPECIAL PROVISION	SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 0005 RESURFACING 75% FEDERAL / 25% VILLAGE	CONSTRUCTION CODE 0042 TRAINEES 75% FEDERAL / 25% VILLAGE	CONSTRUCTION CODE NON-PARTICIPATING 100% VILLAGE
X		X4240800	DETECTABLE WARNINGS (SPECIAL)	SQ FT	130	130		
X		X4404400	PAVEMENT REMOVAL (SPECIAL)	SQ YD	80	80		
X		X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	7	7		
X		X6064200	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)	FOOT	248	248		
X	X	X7200105	SIGN PANEL - TYPE 1 (SPECIAL)	SQ FT	31	31		
X		XX006821	CONCRETE TRUCK WASHOUT	L SUM	1	1		
X	X	XX006826	REMOVE AND RELOCATE LAWN SPRINKLER SYSTEM	FOOT	500			500
X	X	XX006962	ORNAMENTAL SIGN FRAME	EACH	14			14
X	X	XX008864	INSTALL SIGN	EACH	8	8		
X	X	XX008910	PAVEMENT MARKING (SPECIAL)	SQ FT	1453			1453
X		Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1		
X		Z0017400	DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED	EACH	20	20		
X		Z0017700	DRAINAGE & UTILITY STRUCTURES TO BE RECONSTRUCTED	EACH	3	3		
X		Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	139	139		
X		Z0076600	TRAINEES	HOUR	500		500	
X		Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500		500	

PLAN — SURVEYED, PLOTTED, CROSS SECTIONS CHECKED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

PROFILE — SURVEYED, PLOTTED, CROSS SECTIONS CHECKED, B.M. NOTED, STRUCTURE NOTATNS CHKD, NOTE BOOK, NO., BY, DATE

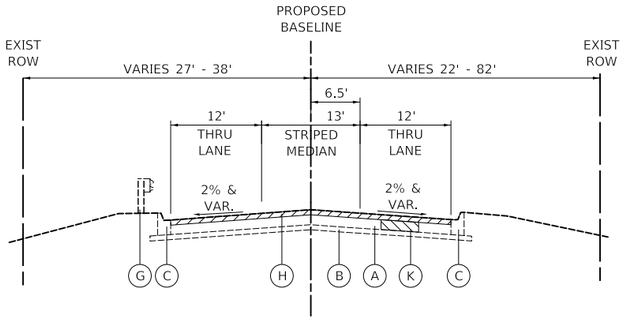
MODEL: $MODELNAME$
FILE NAME: ...\3585 sht SDQ.dgn

USER NAME = djk	DESIGNED - JAT	REVISED -	**STATE OF ILLINOIS**
	DRAWN - JAT	REVISED -	**DEPARTMENT OF TRANSPORTATION**
PLOT SCALE = 2.0000 ' / in.	CHECKED - DJK	REVISED -	
PLOT DATE = 4/1/2022	DATE - 03/16/2022	REVISED -	

SUMMARY OF QUANTITIES

SHEET 6 OF 6 SHEETS

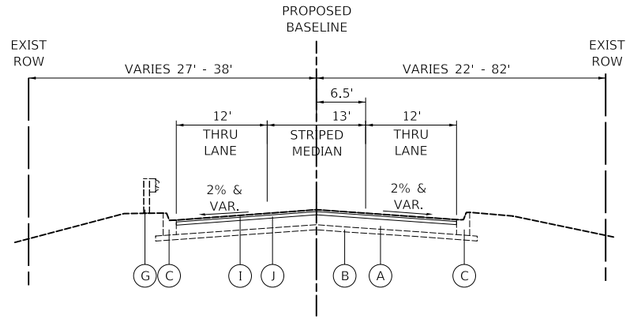
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	21-00074-00-RS	COOK	62	9
		CONTRACT NO. 61H77		
	ILLINOIS			



EXISTING TYPICAL SECTION

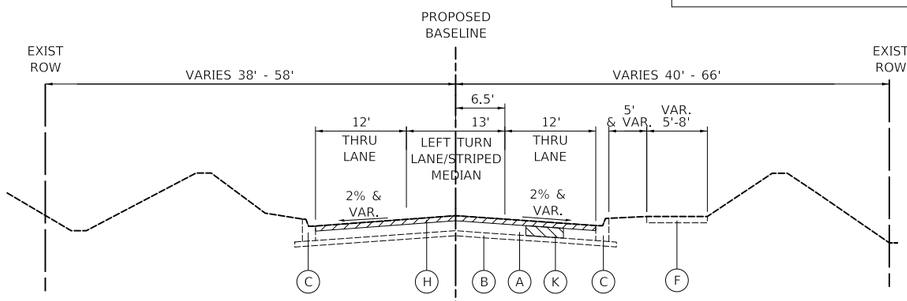
WISE ROAD
STA. 17+95.50 TO STA. 19+40.56

HOT-MIX ASPHALT MIXTURE REQUIREMENTS TABLE		
MIXTURE TYPE	AIR VOIDS @ Ndes	QMP
PROPOSED RESURFACING		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70; 2"	4% @ 70 GYR.	LR 1030-2
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50; ¾"	3.5% @ 50 GYR.	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE (HAND METHOD), N70 (VARIABLE DEPTH) (IL-9.5mm) (FOR USE AS DIRECTED BY THE ENGINEER)	4% @ 70 GYR.	LR 1030-2
CLASS D PATCHES		
CLASS D PATCH (HMA BINDER IL-19 mm)	4% @ 70 GYR.	LR 1030-2
REPLACEMENT OF PAVER CROSSWALKS		
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	4% @ 70 GYR.	LR 1030-2
PROPOSED WIDENING		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70; 2"	4% @ 70 GYR.	LR 1030-2
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50; ¾"	3.5% @ 50 GYR.	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE (HAND METHOD), N70; VARIABLE DEPTH (IL-9.5mm) (FOR USE AS DIRECTED BY THE ENGINEER)	4% @ 70 GYR.	LR 1030-2
HOT-MIX ASPHALT BASE COURSE WIDENING, 9½" (HMA BINDER IL-19.0)	4% @ 70 GYR.	LR 1030-2
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) PER LR 1030-2		



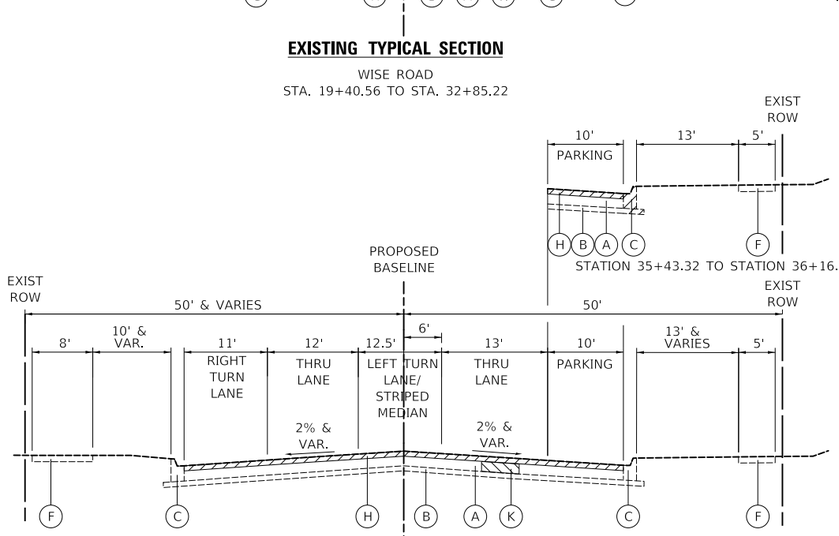
PROPOSED TYPICAL SECTION

WISE ROAD
STA. 17+95.50 TO STA. 19+40.56



EXISTING TYPICAL SECTION

WISE ROAD
STA. 19+40.56 TO STA. 32+85.22



EXISTING TYPICAL SECTION

BIESTERFIELD ROAD
STA. 32+85.22 TO STA. 36+16.30

NOTES:

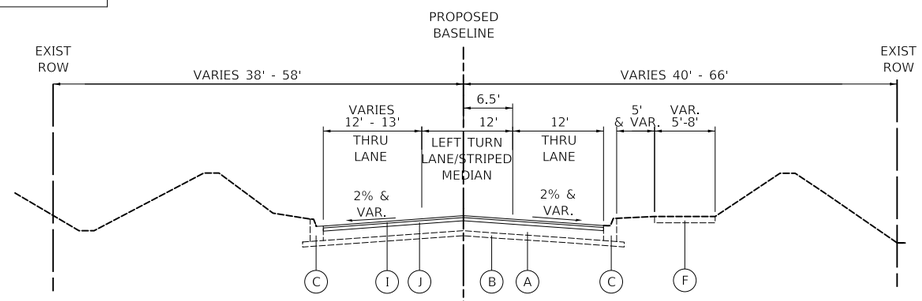
1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LB/SY-IN.
2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS
3. LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE POLYMERIZED HMA BINDER.

LEGEND

- (A) EXISTING H.M.A. PAVEMENT, 13"
- (B) EXISTING AGGREGATE BASE, 4"
- (C) EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (D) EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.12
- (E) EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
- (F) EXISTING P.C.C. SIDEWALK
- (G) EXISTING GUARDRAIL
- (H) HOT-MIX ASPHALT SURFACE REMOVAL, 2 ¾"
- (I) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70 2"
- (J) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50 ¾"
- (K) PROPOSED CLASS D PATCH (LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER)
- (L) HOT-MIX ASPHALT BINDER COURSE (HM), N70, VARIABLE DEPTH
- (M) HOT-MIX ASPHALT BASE COURSE WIDENING, 9¼"
- (N) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (O) SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- (P) TOPSOIL, FURNISH AND PLACE 4" SODDING, SALT TOLERANT
- (Q) PCC SIDEWALK, 5 INCH, SPECIAL
- (R) SUBBASE GRANULAR MATERIAL, TYPE B, 2"

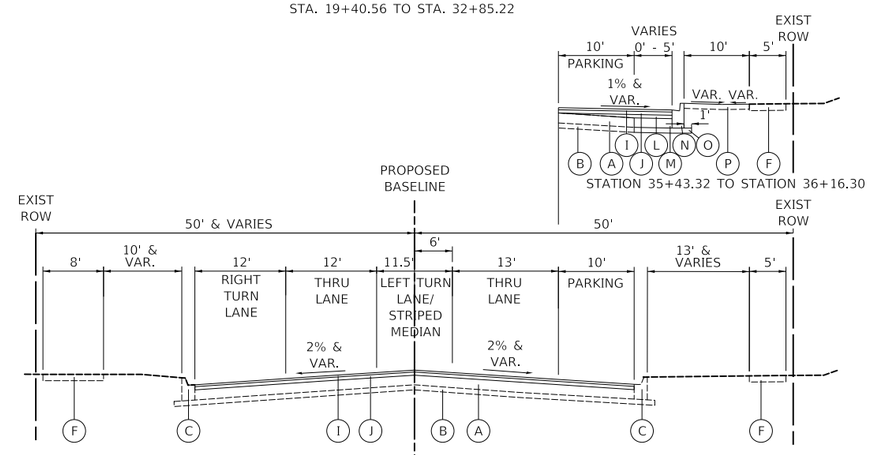
REMOVAL

CLASS D PATCHES (THICKNESS AS SPECIFIED)



PROPOSED TYPICAL SECTION

WISE ROAD
STA. 19+40.56 TO STA. 32+85.22



PROPOSED TYPICAL SECTION

BIESTERFIELD ROAD
STA. 32+85.22 TO STA. 36+16.30

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME / NOTE BOOK / NO. / BY / DATE

PROFILE — SURVEYED / PLOTTED / ALIGNMENT CHECKED / B.M. NOTED / STRUCTURE NO(TA)%S CHKD / NOTE BOOK / NO. / BY / DATE

MODEL: $MODELNAME$
FILE NAME: ...\03-Typicals\3585_Typ

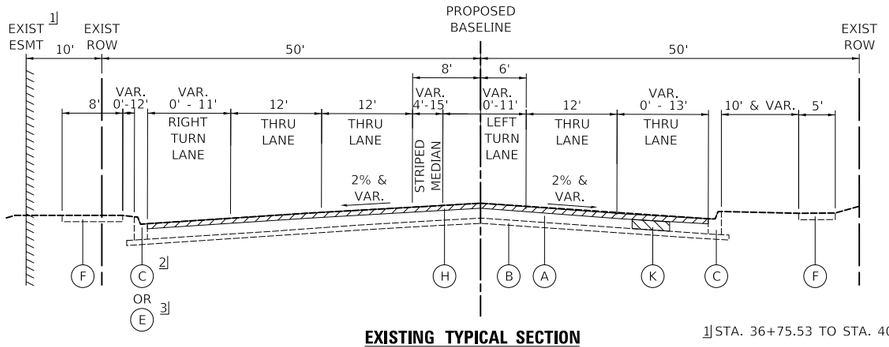
USER NAME = djk	DESIGNED - JAT	REVISED -	
	DRAWN - JAT	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - DJK	REVISED -	
PLOT DATE = 4/1/2022	DATE - 03/16/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: N.T.S | SHEET 1 OF 3 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	21-00074-00-RS	COOK	62	10
		CONTRACT NO. 61H77		
	ILLINOIS			



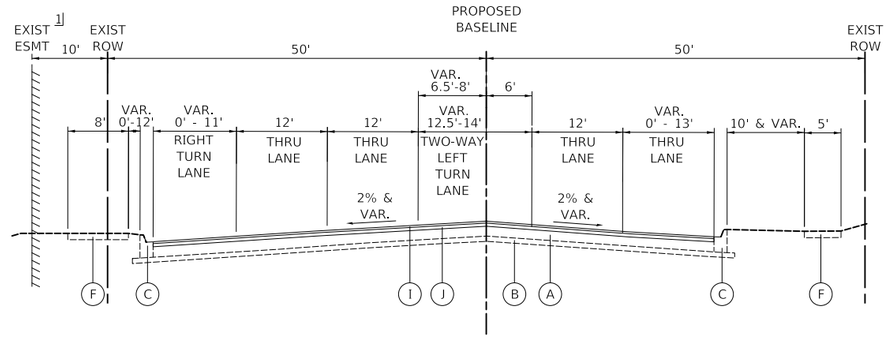
EXISTING TYPICAL SECTION

BIESTERFIELD ROAD
STA. 36+16.30 TO STA. 40+68.00

1] STA. 36+75.53 TO STA. 40+68

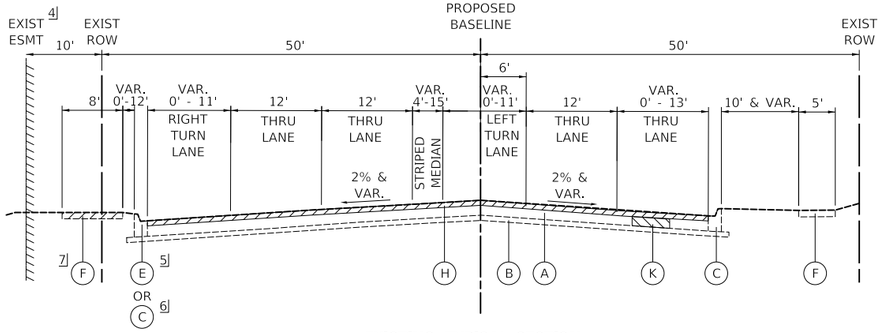
2] STA. 36+13 TO STA. 37+74

3] STA. 37+74 TO STA. 40+68



PROPOSED TYPICAL SECTION

BIESTERFIELD ROAD
STA. 36+16.30 TO STA. 40+68.00



EXISTING TYPICAL SECTION

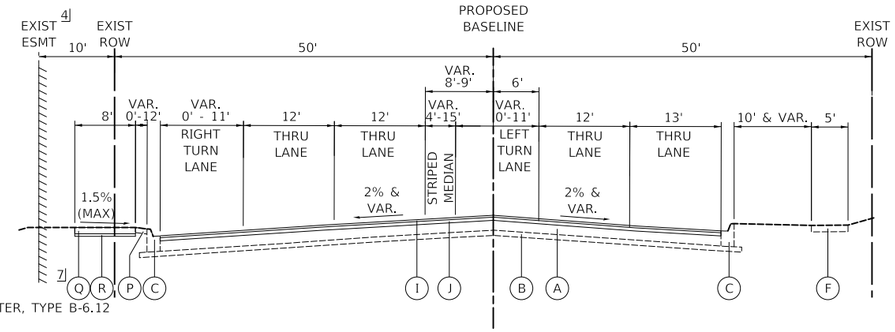
BIESTERFIELD ROAD
STA. 40+68.00 TO STA. 43+79.93

4] STA. 40+68 TO STA. 42+78.93

5] STA. 40+68 TO STA. 42+74

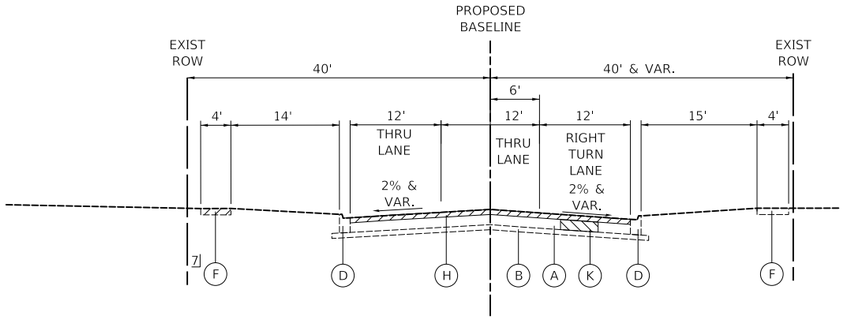
6] STA. 42+74 TO STA. 43+78.93

7] REMOVAL/REPLACEMENT AT LOCATIONS SHOWN ON THE PLAN SHEETS AND AS DIRECTED BY THE ENGINEER



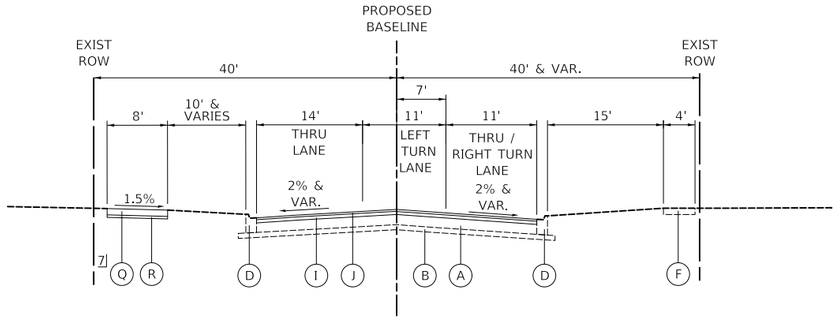
PROPOSED TYPICAL SECTION

BIESTERFIELD ROAD
STA. 40+68.00 TO STA. 43+79.93



EXISTING TYPICAL SECTION

BIESTERFIELD ROAD
STA. 302+38.28 TO STA. 304+42.60



PROPOSED TYPICAL SECTION

BIESTERFIELD ROAD
STA. 302+38.28 TO STA. 304+42.60

LEGEND

- (A) EXISTING H.M.A. PAVEMENT, 13"
- (B) EXISTING AGGREGATE BASE, 4"
- (C) EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (D) EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.12
- (E) EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
- (F) EXISTING P.C.C. SIDEWALK
- (G) EXISTING GUARDRAIL
- (H) HOT-MIX ASPHALT SURFACE REMOVAL, 2 ¾"
- (I) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70 2"
- (J) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50 ¾"
- (K) PROPOSED CLASS D PATCH (LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER)
- (L) HOT-MIX ASPHALT BINDER COURSE (HM), N70, VARIABLE DEPTH
- (M) HOT-MIX ASPHALT BASE COURSE WIDENING, 9¼"
- (N) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (O) SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- (P) TOPSOIL, FURNISH AND PLACE 4" SODDING, SALT TOLERANT
- (Q) PCC SIDEWALK, 5 INCH, SPECIAL
- (R) SUBBASE GRANULAR MATERIAL, TYPE B, 2"

REMOVAL

CLASS D PATCHES (THICKNESS AS SPECIFIED)

PLAN — DATE / BY / SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME / NOTE BOOK / NO.

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NO(TA)%S CHKD / NOTE BOOK / NO.

MODEL: $MODELNAME$
FILE NAME: ...\03-Typicals\3585_Typ

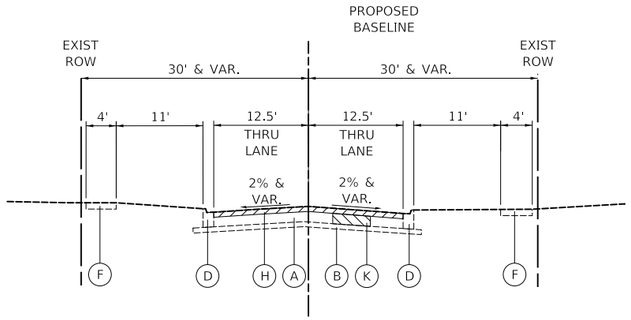
USER NAME = djk	DESIGNED - JAT	REVISED -	
	DRAWN - JAT	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - DJK	REVISED -	
PLOT DATE = 4/1/2022	DATE - 03/16/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

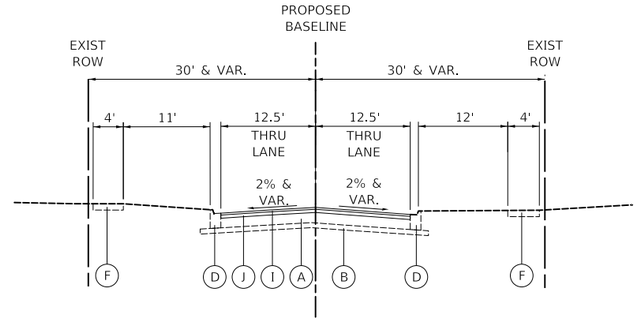
SCALE: N.T.S | SHEET 2 OF 3 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	21-00074-00-RS	COOK	62	11
		CONTRACT NO. 61H77		
	ILLINOIS			



EXISTING TYPICAL SECTION

MICHIGAN LANE
STA. 304+42.60 TO STA. 305+24.00



PROPOSED TYPICAL SECTION

MICHIGAN LANE
STA. 304+42.60 TO STA. 305+24.00

LEGEND

- (A) EXISTING H.M.A. PAVEMENT, 13"
- (B) EXISTING AGGREGATE BASE, 4"
- (C) EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (D) EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.12
- (E) EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
- (F) EXISTING P.C.C. SIDEWALK
- (G) EXISTING GUARDRAIL
- (H) HOT-MIX ASPHALT SURFACE REMOVAL, 2 ¾"
- (I) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70 2"
- (J) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50 ¾"
- (K) PROPOSED CLASS D PATCH
  (LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER)
- (L) HOT-MIX ASPHALT BINDER COURSE (HM), N70, VARIABLE DEPTH
- (M) HOT-MIX ASPHALT BASE COURSE WIDENING, 9½"
- (N) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (O) SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- (P) TOPSOIL, FURNISH AND PLACE 4"
  SODDING, SALT TOLERANT

REMOVAL

CLASS D PATCHES (THICKNESS AS SPECIFIED)

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

PROFILE
NOTE BOOK
NO.
SURVEYED
PLOTTED
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKD
BY
DATE

MODEL: $MODELNAME$
FILE NAME: ...\03-Typicals\3585_Typ

USER NAME = djk	DESIGNED - JAT	REVISED -	
	DRAWN - JAT	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - DJK	REVISED -	
PLOT DATE = 4/1/2022	DATE - 03/16/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: N.T.S | SHEET 3 OF 3 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	21-00074-00-RS	COOK	62	12
		CONTRACT NO. 61H77		
	ILLINOIS			

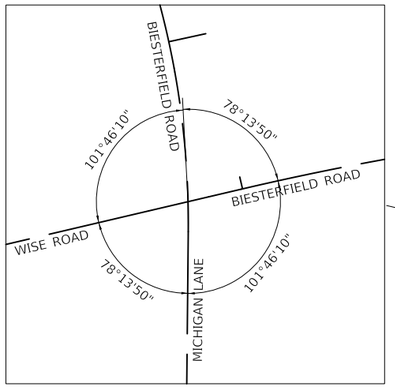
BENCHMARKS

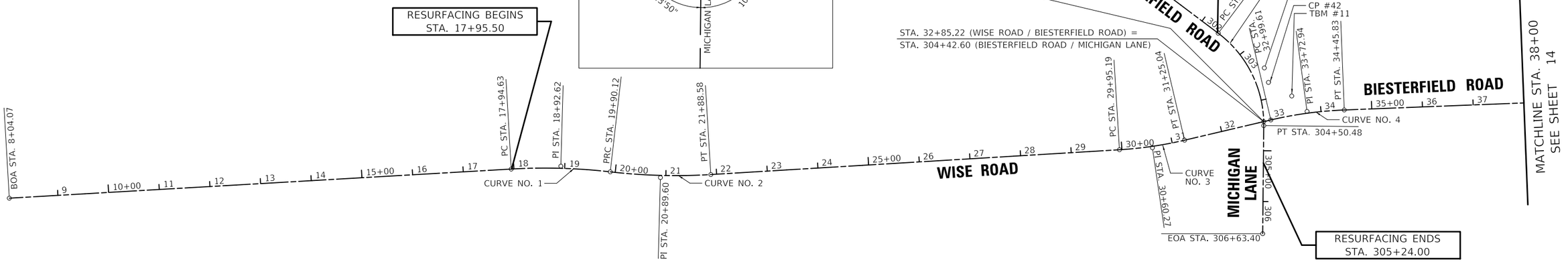
TBM NO.	LOCATION	ELEVATION	DESCRIPTION
11	STA. 33+48, 38' LT	733.71	CROSS CUT (SET) IN NORTHEAST FLANGE BOLT OF FIRE HYDRANT IN THE NORTHEAST QUADRANT OF INTERSECTION OF BIESTERFIELD ROAD AND BIESTERFIELD ROAD

CONTROL POINTS

POINT NO.	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION
42	1,945,153.129	1,061,197.328	303+71.71	23.48' LT	REBAR IN GROUND
41	1,945,078.738	1,062,316.664	44+14.26	58.02' RT	REBAR IN GROUND

BIESTERFIELD ROAD			
CURVE NO. 1	CURVE NO. 2	CURVE NO. 3	CURVE NO. 4
PI STA. = 18+92.62	PI STA. = 20+89.60	PI STA. = 30+60.27	PI STA. = 33+72.94
Δ = 9° 51' 51.65" (RT)	Δ = 10° 00' 52.42" (LT)	Δ = 9° 44' 18.70" (LT)	Δ = 10° 57' 57.38" (RT)
D = 5° 02' 45.91"	D = 5° 02' 45.91"	D = 7° 30' 00.13"	D = 7° 30' 00.13"
R = 1,135.45'	R = 1,135.45'	R = 763.94'	R = 763.94'
T = 97.98'	T = 99.48'	T = 65.08'	T = 73.33'
L = 195.49'	L = 198.46'	L = 126.85'	L = 146.21'
E = 4.22'	E = 4.35'	E = 2.77'	E = 3.51'
P.C. STA. = 17+94.63	P.C. STA. = 19+90.12	P.C. STA. = 29+95.19	P.C. STA. = 32+99.61
P.T. STA. = 19+90.12	P.T. STA. = 21+88.58	P.T. STA. = 31+25.04	P.T. STA. = 34+45.83





WISE ROAD / BIESTERFIELD ROAD ALIGNMENT DATA

POINT	STATION	NORTHING	EASTING
BOA	8+04.07	1,944,925.024	1,058,716.425
PC	17+94.63	1,944,982.414	1,059,705.326
PI	18+92.62	1,944,988.091	1,059,803.146
PRC	19+90.12	1,944,976.926	1,059,900.492
PI	20+89.60	1,944,965.590	1,059,999.329
PT	21+88.58	1,944,971.614	1,060,098.631
PC	29+95.19	1,945,020.457	1,060,903.762
PI	30+60.27	1,945,024.398	1,060,968.722
PT	31+25.04	1,945,039.270	1,061,032.080
PC	32+99.61	1,945,079.164	1,061,202.034
PI	33+72.94	1,945,095.922	1,061,273.424
PT	34+45.83	1,945,098.793	1,061,346.698
EOA	48+13.92	1,945,152.366	1,062,713.740

BIESTERFIELD ROAD / MICHIGAN LANE ALIGNMENT DATA

POINT	STATION	NORTHING	EASTING
BOA	299+98.01	1,945,395.504	1,060,905.055
PC	302+39.99	1,945,249.992	1,061,098.395
PI	303+53.65	1,945,181.645	1,061,189.207
PT	304+50.48	1,945,067.993	1,061,188.083
EOA	306+63.40	1,944,855.081	1,061,185.977

BIESTERFIELD ROAD / MICHIGAN LANE
CURVE NO. 5
PI STA. = 303+53.65
Δ = 53° 36' 03.18" (RT)
D = 25° 27' 53.25"
R = 225.00'
T = 113.66'
L = 210.49'
E = 27.08'
P.C. STA. = 302+39.99
P.T. STA. = 304+50.48

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

0 100 200 300
SCALE IN FEET

PLAN: SURVEYED, PLOTTED, CHANGES CHECKED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

PROFILE: SURVEYED, PLOTTED, CHANGES CHECKED, B.M. NOTED, STRUCTURE NOTATNS CHKD, NOTE BOOK, NO., BY, DATE

MODEL: SMODELNAMES
FILE NAME: ...\3385_ATB

USER NAME = djk	DESIGNED - JAT	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN - JAT	REVISED -	
PLOT SCALE = 200.0000 ' / in.	CHECKED - DJK	REVISED -	
PLOT DATE = 4/1/2022	DATE - 03/16/2022	REVISED -	

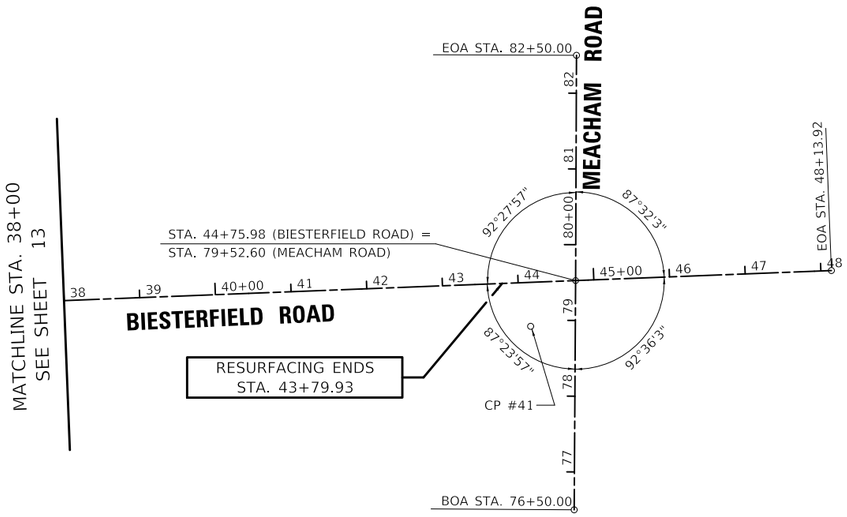
ALIGNMENT, TIES, AND BENCHMARKS

SCALE: 1" = 100' | SHEET 1 OF 2 SHEETS | STA. 8+04.07 | TO STA. 38+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	21-00074-00-RS	COOK	62	13
		CONTRACT NO. 61H77		
	ILLINOIS			

MEACHAM ROAD ALIGNMENT DATA

POINT	STATION	NORTHING	EASTING
BOA	76+50.00	1,944,836.528	1,062,374.175
PI	79+52.60	1,945,139.120	1,062,376.058
EOA	82+50.00	1,945,436.520	1,062,377.208



N

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

0 100 200 300
SCALE IN FEET

PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME; NOTE BOOK; NO.; BY; DATE

PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, S.M. NOTED, STRUCTURE NOTATIONS CHKD; NOTE BOOK; NO.; BY; DATE

MODEL: $MODELNAME$
FILE NAME: ...\3585_ATB

USER NAME = djk	DESIGNED - JAT	REVISED -	
	DRAWN - JAT	REVISED -	
PLOT SCALE = 200.0000 ' / in.	CHECKED - DJK	REVISED -	
PLOT DATE = 4/1/2022	DATE - 03/16/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES, AND BENCHMARKS

SCALE: 1" = 100' | SHEET 2 OF 2 SHEETS | STA. 38+00.00 TO STA. 48+13.91

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	21-00074-00-RS	COOK	62	14
		CONTRACT NO. 61H77		
	ILLINOIS			

RESURFACING BEGINS
STA. 17+95.50

PAVED SHOULDER REMOVAL
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", IL-9.5, N70 (MATCH EXISTING THICKNESS)

PROPOSED RESURFACING
HOT-MIX ASPHALT SURFACE REMOVAL, 2¾"
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70 2"
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50 ¾"

EX ROW

HMA

PROPOSED BASELINE

PC STA. = 17+94.63

CURVE NO. 1

PRC STA. = 19+90.12

CURVE NO. 2

PT STA. = 21+88.58

20+00

50'

4.5'

18

19

20

21

22

18'

19'

19'

HMA SURFACE REMOVAL -
BUTT JOINT

MATCHLINE STA. 23+00
SEE SHEET 16

CUTTER LANE

WISE ROAD

LEGEND

- HMA SURFACE REMOVAL, 2¾"
- COMBINATION CURB AND GUTTER REMOVAL
- COMBINATION CURB AND GUTTER REPLACEMENT, OF THE TYPE NOTED
- TREE REMOVAL

(1) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (MODIFIED)
(2) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)
(3) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.12 (MODIFIED)

[1] DRAINAGE AND UTILITY STRUCTURE TO BE ADJUSTED
[2] DRAINAGE AND UTILITY STRUCTURE TO BE ADJUSTED
[3] DRAINAGE AND UTILITY STRUCTURE TO BE ADJUSTED
NEW TYPE 11 F&G

0 20 40 60
SCALE IN FEET

PLAN: SURVEYED, PLOTTED, CROSS CHECKED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

PROFILE: SURVEYED, PLOTTED, CROSS CHECKED, B.M. NOTED, STRUCTURE NOTATNS CHKD, NOTE BOOK, NO., BY, DATE

MODEL: SMODELNAME5
FILE NAME: ...\07-PlanAndProfile\3585_Plan

USER NAME = djk	DESIGNED - JAT	REVISED -	
	DRAWN - JAT	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - DJK	REVISED -	
PLOT DATE = 4/1/2022	DATE - 03/16/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED PLAN

SCALE: 1" = 20' | SHEET 1 OF 5 SHEETS | STA. 17+95.50 | TO STA. 23+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	21-00074-00-RS	COOK	62	15
		CONTRACT NO. 61H77		
	ILLINOIS			

PROPOSED RESURFACING
HOT-MIX ASPHALT SURFACE REMOVAL, 2¾"
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70 2"
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50 ¾"

EX ROW

MATCHLINE STA. 23+00
SEE SHEET 15

MATCHLINE STA. 28+50
SEE SHEET 17

HMA

PROPOSED BASELINE

23 | 24 | 25+00 | 26 | 27 | 28

19' | 19' | 17' | 19'

50'

185'

HMA SURFACE REMOVAL - BUTT JOINT (TYP)

4.5'

VINE LANE

CUTTER LANE

SCHOONER LANE

EX ROW

EX ROW

LEGEND

- HMA SURFACE REMOVAL, 2¾"
- COMBINATION CURB AND GUTTER REMOVAL
- COMBINATION CURB AND GUTTER REPLACEMENT, OF THE TYPE NOTED
- TREE REMOVAL

(1) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (MODIFIED)
(2) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)
(3) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.12 (MODIFIED)

[4] DRAINAGE & UTILITY STRUCTURE TO BE ADJUSTED NEW TYPE 11 F&G
[5] DRAINAGE & UTILITY STRUCTURE TO BE ADJUSTED
[6] DRAINAGE & UTILITY STRUCTURE TO BE ADJUSTED NEW TYPE 11 F&G
[7] DRAINAGE & UTILITY STRUCTURE TO BE RECONSTRUCTED NEW TYPE 11 F&G

0 20 40 60
SCALE IN FEET

WISE ROAD

PLAN: SURVEYED, PLOTTED, CHANGES CHECKED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

PROFILE: SURVEYED, PLOTTED, CHANGES CHECKED, B.M. NOTED, STRUCTURE NO/ELEVS CHKD, NOTE BOOK, NO., BY, DATE

MODEL: SMODELNAMES
FILE NAME: ...\07-PlanAndProfile\3585_Plan

USER NAME = djk	DESIGNED - JAT	REVISED -	
	DRAWN - JAT	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - DJK	REVISED -	
PLOT DATE = 4/1/2022	DATE - 03/16/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED PLAN

SCALE: 1" = 20' | SHEET 2 OF 5 SHEETS | STA. 23+00.00 | TO STA. 28+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	21-00074-00-RS	COOK	62	16
		CONTRACT NO. 61H77		
	ILLINOIS			

RESURFACING BEGINS
STA. 302+38.28

302+58.91
54.23' LT

302+79.25
58.13' LT

HMA SURFACE REMOVAL - BUTT JOINT

PROPOSED RESURFACING
HOT-MIX ASPHALT SURFACE REMOVAL, 2¾"
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70 2"
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50 ¾"

JERSEY LANE

PC STA. = 302+39.99

PROPOSED BASELINE

CURVE NO. 5

HMA SURFACE REMOVAL - BUTT JOINT

MATCHLINE STA. 303+00
BIESTERFIELD ROAD
SEE BELOW

MATCHLINE STA. 303+00
BIESTERFIELD ROAD
SEE ABOVE

BIESTERFIELD ROAD

CURVE NO. 5

SEE SHEET 31
FOR REMOVAL AND
LAYOUT DETAILS.

SEE NOTE 1 (TYP)

SEE NOTE 2

SEE NOTE 3

STA. 32+85.22 (WISE ROAD / BIESTERFIELD ROAD) =
STA. 304+42.60 (BIESTERFIELD ROAD / MICHIGAN LANE)

PC STA. = 32+99.61

CURVE NO. 4

PT STA. = 304+50.48

PT STA. = 31+25.04

CURVE NO. 3

PC STA. = 29+95.19

PROPOSED BASELINE

MATCHLINE STA. 28+50
SEE SHEET 16

MATCHLINE STA. 34+00
BIESTERFIELD ROAD
SEE SHEET 18

WISE ROAD

SCHOONER LANE

MICHIGAN LANE

RESURFACING ENDS
STA. 305+24.00

HMA SURFACE REMOVAL - BUTT JOINT

EX ROW

CONC

HMA

BRICK

N

NOTES

1) SEE SHEET 27 - 30 FOR SIDEWALK AND PAVER REPLACEMENT AT CORNERS OF BIESTERFIELD/WISE/MICHIGAN.

2) EXISTING PAVERS OVER CONCRETE BASE COURSE WITH CONCRETE HEADER BANDS.
REMOVAL SHALL BE PAID FOR "PAVEMENT REMOVAL (SPECIAL)"
REPLACEMENT SHALL BE PAID FOR AS "HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70".

3) EXISTING 12" CONCRETE CROSSWALK PAVEMENT.
REMOVAL AND REPLACEMENT SHALL BE PAID FOR AS "CLASS D PATCH, 12 INCH".

(1) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (MODIFIED)

(2) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)

(3) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.12 (MODIFIED)

LEGEND

HMA SURFACE REMOVAL, 2¾"

COMBINATION CURB AND GUTTER REMOVAL

COMBINATION CURB AND GUTTER REPLACEMENT, OF THE TYPE NOTED

TREE REMOVAL

8 DRAINAGE AND UTILITY STRUCTURE TO BE ADJUSTED

9 DRAINAGE AND UTILITY STRUCTURE TO BE ADJUSTED

10 DRAINAGE AND UTILITY STRUCTURE TO BE ADJUSTED

11 DRAINAGE AND UTILITY STRUCTURE TO BE ADJUSTED

12 DRAINAGE AND UTILITY STRUCTURE TO BE ADJUSTED

13 DRAINAGE AND UTILITY STRUCTURE TO BE ADJUSTED

14 FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)

15 DRAINAGE AND UTILITY STRUCTURE TO BE ADJUSTED
NEW TYPE 11 F&G

16 DRAINAGE AND UTILITY STRUCTURE TO BE ADJUSTED
NEW TYPE 11 F&G

17 FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)

18 DRAINAGE AND UTILITY STRUCTURE TO BE ADJUSTED

0 20 40 60
SCALE IN FEET

WISE ROAD / BIESTERFIELD ROAD

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

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE

MODEL: SMODELNAMES
FILE NAME: ...\07-PlanAndProfile\3585_Plan

USER NAME = djk	DESIGNED - JAT	REVISED -	
	DRAWN - JAT	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - DJK	REVISED -	
PLOT DATE = 4/1/2022	DATE - 03/16/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED PLAN

SCALE: 1" = 20' | SHEET 3 OF 5 SHEETS | STA. 28+50.00 | TO STA. 34+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	21-00074-00-RS	COOK	62	17
		CONTRACT NO. 61H77		
	ILLINOIS			

PROPOSED RESURFACING
HOT-MIX ASPHALT SURFACE REMOVAL, 2¾"
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70 2"
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50 ¾"

EX ROW
EX ESMT
HMA
CONC
CTV
W
G
E
T

MATCHLINE STA. 34+00
SEE SHEET 17

CURVE NO. 4
PI STA. = 34+45.82
PROPOSED BASELINE
34
35+00
36
37
38
39
29
100'
33'
31'

MATCHLINE STA. 39+50
SEE SHEET 19

3"
4'

PROPOSED RESURFACING
HOT-MIX ASPHALT SURFACE REMOVAL, 2¾"
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70 2"
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50 ¾"
HOT-MIX ASPHALT BINDER COURSE (HM), N70 (VARIABLE DEPTH)

COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12

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

SEE SHEET NO. 25
FOR STATION/OFFSETS, GRADES, AND SLOPES

PROPOSED WIDENING
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70 2"
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50 ¾"
HOT-MIX ASPHALT BINDER COURSE (HM), N70 (VARIABLE DEPTH)
HOT-MIX ASPHALT BASE COURSE WIDENING, 9 ¼"
SUBBASE GRANULAR MATERIAL, TYPE B, 4"

SEE NOTE 1

DRIVEWAY PAVEMENT REMOVAL
PCC DRIVEWAY PAVEMENT, 8 INCH, SPECIAL
SUBBASE GRANULAR MATERIAL, TYPE B 8"

NOTES

1. ONLY ONE ENTRANCE TO THE BIESTERFIELD PUBLIC WORKS FACILITY SHALL BE CLOSED AT A TIME.

LEGEND

- HMA SURFACE REMOVAL, 2¾"
- COMBINATION CURB AND GUTTER REMOVAL
- COMBINATION CURB AND GUTTER REPLACEMENT, OF THE TYPE NOTED
- TREE REMOVAL

0 20 40 60
SCALE IN FEET

BIESTERFIELD ROAD

(1) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (MODIFIED)
(2) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)
(3) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.12 (MODIFIED)
(4) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (MODIFIED)

19 FRAMES AND LIDS TO BE ADJUSTED (SPECIAL) TYPE 1 FRAME, CLOSED LID
20 FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)
21 DRAINAGE AND UTILITY STRUCTURE TO BE ADJUSTED
22 DRAINAGE AND UTILITY STRUCTURE TO BE ADJUSTED
23 FRAMES AND LIDS TO BE ADJUSTED (SPECIAL) NEW TYPE 1 FRAME, CLOSED LID
24 FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)

PLAN / PROFILE
SURVEYED
PLOTTED
CHANGES CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKD
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE

MODEL: SMODELNAMES
FILE NAME: ...\07-PlanAndProfile\3585_Plan

USER NAME = djk	DESIGNED - JAT	REVISED -	
	DRAWN - JAT	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - DJK	REVISED -	
PLOT DATE = 4/1/2022	DATE - 03/16/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED PLAN

SCALE: 1" = 20' | SHEET 4 OF 5 SHEETS | STA. 34+00.00 | TO STA. 39+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	21-00074-00-RS	COOK	62	18
		CONTRACT NO. 61H77		
	ILLINOIS			

PLAN
NOTE BOOK
NO.
SURVEYED
PLOTTED
CROSS SECTIONS CHECKED
R.T. OF WAY CHECKED
ALIGNMENT CHECKED
CADD FILE NAME
BY
DATE

PROFILE
NOTE BOOK
NO.
SURVEYED
PLOTTED
CROSS SECTIONS CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKD

MODEL: SMODELNAMES
FILE NAME: ...\07-PlanAndProfile\3585_Plan

MATCHLINE STA. 39+50
SEE SHEET 18

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

HMA SURFACE REMOVAL -
BUTT JOINT

PROPOSED RESURFACING
HOT-MIX ASPHALT SURFACE REMOVAL, 2¾"
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70 2"
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50 ¾"

CLASS D PATCH, 10"
PATCH EXTENDS 1'
INTO EXISTING CONCRETE PAVEMENT

EX ESMT
EX ROW
HMA
CONC
PROPOSED BASELINE
40+00
41
42
43
44
45+00
80+00
79
4.5'
10'
50'
44'
100'
33'
31'

SEE NOTE 1

DRIVEWAY PAVEMENT REMOVAL
PCC DRIVEWAY PAVEMENT, 8 INCH, SPECIAL
SUBBASE GRANULAR MATERIAL, TYPE B 8"

RESURFACING ENDS
STA. 43+79.93

STA. 44+75.97 (BIESTERFIELD ROAD) =
STA. 79+52.60 (MEACHAM ROAD)

MEACHAM ROAD

MEACHAM ROAD

BIESTERFIELD ROAD

N

LEGEND

- HMA SURFACE REMOVAL, 2¾"
- COMBINATION CURB AND GUTTER REMOVAL
- COMBINATION CURB AND GUTTER REPLACEMENT, OF THE TYPE NOTED
- TREE REMOVAL

(1) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (MODIFIED)
(2) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)
(3) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.12 (MODIFIED)
(4) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (MODIFIED)

25 DRAINAGE & UTILITY STRUCTURE TO BE RECONSTRUCTED
NEW TYPE 3 F&G
26 DRAINAGE AND UTILITY STRUCTURE TO BE ADJUSTED
27 FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)
28 DRAINAGE & UTILITY STRUCTURE TO BE RECONSTRUCTED
29 DRAINAGE AND UTILITY STRUCTURE TO BE ADJUSTED
NEW TYPE 11 F&G
30 DRAINAGE AND UTILITY STRUCTURE TO BE ADJUSTED

NOTES

1. ONLY ONE ENTRANCE TO THE BIESTERFIELD PUBLIC WORKS FACILITY SHALL BE CLOSED AT A TIME.

0 20 40 60
SCALE IN FEET

USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 4/1/2022	DATE - 03/16/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED PLAN

SCALE: 1" = 20' | SHEET 5 OF 5 SHEETS | STA. 39+50.00 | TO STA. 43+78.93

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	21-00074-00-RS	COOK	62	19
		CONTRACT NO. 61H77		
	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. ALL SIGNS SHALL BE MOUNTED ON METAL POSTS, 7 FEET ABOVE THE EXISTING GROUND AND DRIVEN A MINIMUM OF 3 FEET INTO THE GROUND, UNLESS OTHERWISE NOTED. A J.U.L.I.E. LOCATE SHALL BE PERFORMED PRIOR TO THE INSTALLATION OF THE POSTS.

6. 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.

7. 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.

8. TYPE III BARRICADES ARE TO BE PLACED IN ACCORDANCE WITH STANDARD 701901 UNLESS AUTHORIZED BY THE ENGINEER TO USE AN ALTERNATE ARRANGEMENT.

9. 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.

10. 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.

11. 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.

12. W21-1(O) "WORKERS" SIGNS SHALL ONLY BE ERECTED WHEN WORKERS ARE PRESENT. SIGN MUST BE COVERED OR REMOVED WHEN NO WORKERS ARE PRESENT.

13. "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.

14. 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.

15. 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.

16. PAY ITEMS FOR "TEMPORARY PAVEMENT MARKING - PAINT" HAVE BEEN INCLUDED TO PROVIDE TEMPORARY MARKINGS ON THE MILLED SURFACE AND THE POLYMERIZED 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 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 TREE PROTECTION AND EROSION AND SEDIMENT CONTROL MEASURES.

3. REMOVE AND REPLACE CURB AND GUTTER AND ADJUST DRAINAGE STRUCTURES AS DETERMINED BY THE ENGINEER.

4. REMOVE AND INSTALL SIDEWALK AND DETECTABLE WARNINGS.

5. REMOVE HMA PAVEMENT SURFACE.

6. 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.

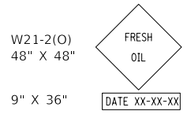
7. LANDSCAPE RESTORATION.

8. INSTALL BINDER AND HMA SURFACE.

9. INSTALL PERMANENT PAVEMENT MARKINGS AND SIGNING.

10. REMOVE EROSION CONTROL AND TRAFFIC CONTROL.

CONSTRUCTION SIGNS



BLACK 6" LETTERS ON ORANGE RETROREFLECTIVE BACKGROUND

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.

PLAN — NOTE BOOK NO.____ — SURVEYED ____ PLOTTED ____ ALIGNMENT CHECKED ____ RT. OF WAY CHECKED ____ CADD FILE NAME ____ — BY — DATE

PROFILE — NOTE BOOK NO.____ — SURVEYED ____ PLOTTED ____ GRADES CHECKED ____ E.M. NOTED ____ STRUCTURE NOTATIONS CHKD — BY — DATE

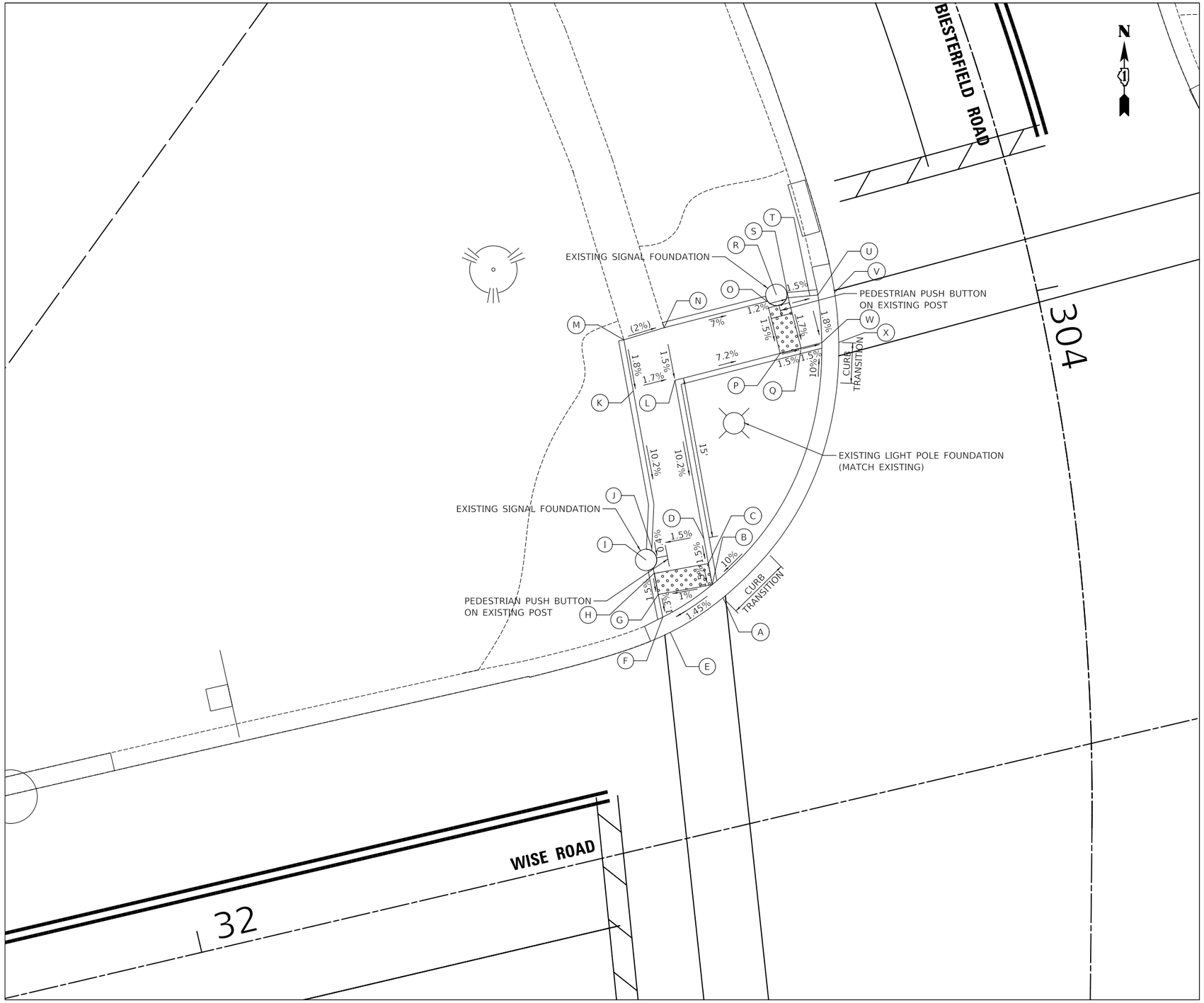
MODEL: \$MODELNAME\$
FILE NAME: ...\3585_MOT_Notes.dgn

USER NAME = djk	DESIGNED - JAT	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN - JAT	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - DJK	REVISED -	
PLOT DATE = 4/1/2022	DATE - 03/16/2022	REVISED -	

MAINTENANCE OF TRAFFIC GENERAL NOTES

SHEET 1 OF 1 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	21-00074-00-RS	COOK	62	20
		CONTRACT NO. 61H77		
	ILLINOIS			



NW CORNER, WISE RD. / BIESTERFIELD RD.				TOP OF CURB ELEVATION
	STATION	OFFSET	ELEVATION	
A	32+54.88	21.08' LT	(729.61)	
B	32+54.18	22.50' LT	729.60	730.10
C	32+54.28	24.50' LT	729.63	730.13
D	32+54.40	26.86' LT	729.67	730.17
E	32+49.36	19.07' LT	(729.53)	
F	32+49.00	20.60' LT	729.52	730.02
G	32+49.08	22.75' LT	729.55	730.05
H	32+49.18	24.75' LT	729.58	730.08
I	32+48.70	26.15' LT	(730.40)	
J	32+49.48	27.11' LT	729.59	730.09
K	304+01.37	38.76' RT	731.18	731.68
L	304+01.18	34.75' RT	731.12	731.62
M	303+95.52	38.57' RT	(731.27)	(731.27)
N	303+95.25	34.66' RT	(731.19)	(731.19)
O	303+95.08	24.76' RT	730.49	730.99
P	304+00.70	24.63' RT	730.41	730.91
Q	304+00.61	22.62' RT	730.38	730.88
R	303+94.65	23.77' RT	(731.22)	
S	303+95.75	22.75' RT	730.46	
T	303+95.55	20.75' RT	730.43	730.93
U	303+95.67	20.00' RT	730.42	730.92
V	303+95.81	18.43' RT	(730.43)	
W	304+00.52	20.62' RT	730.35	730.85
X	304+00.86	19.07' RT	(730.36)	

LEGEND

DETECTABLE WARNING (SPECIAL)

X% / XXX.XX PROPOSED SLOPE / ELEVATION

(X%) / (XXX.XX) EXISTING SLOPE / ELEVATION

0 5 10 15

SCALE IN FEET

NORTHWEST CORNER, WISE ROAD AND BIESTERFIELD ROAD

PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, B.M. NOTED, STRUCTURE NO/ATNS CHKD, NOTE BOOK, NO., BY, DATE

MODEL: SMODELNAME5
FILE NAME: ...\3385_ADA Grading

USER NAME = djk	DESIGNED - JAT	REVISED -	
	DRAWN - JAT	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED - DJK	REVISED -	
PLOT DATE = 4/1/2022	DATE - 03/16/2022	REVISED -	

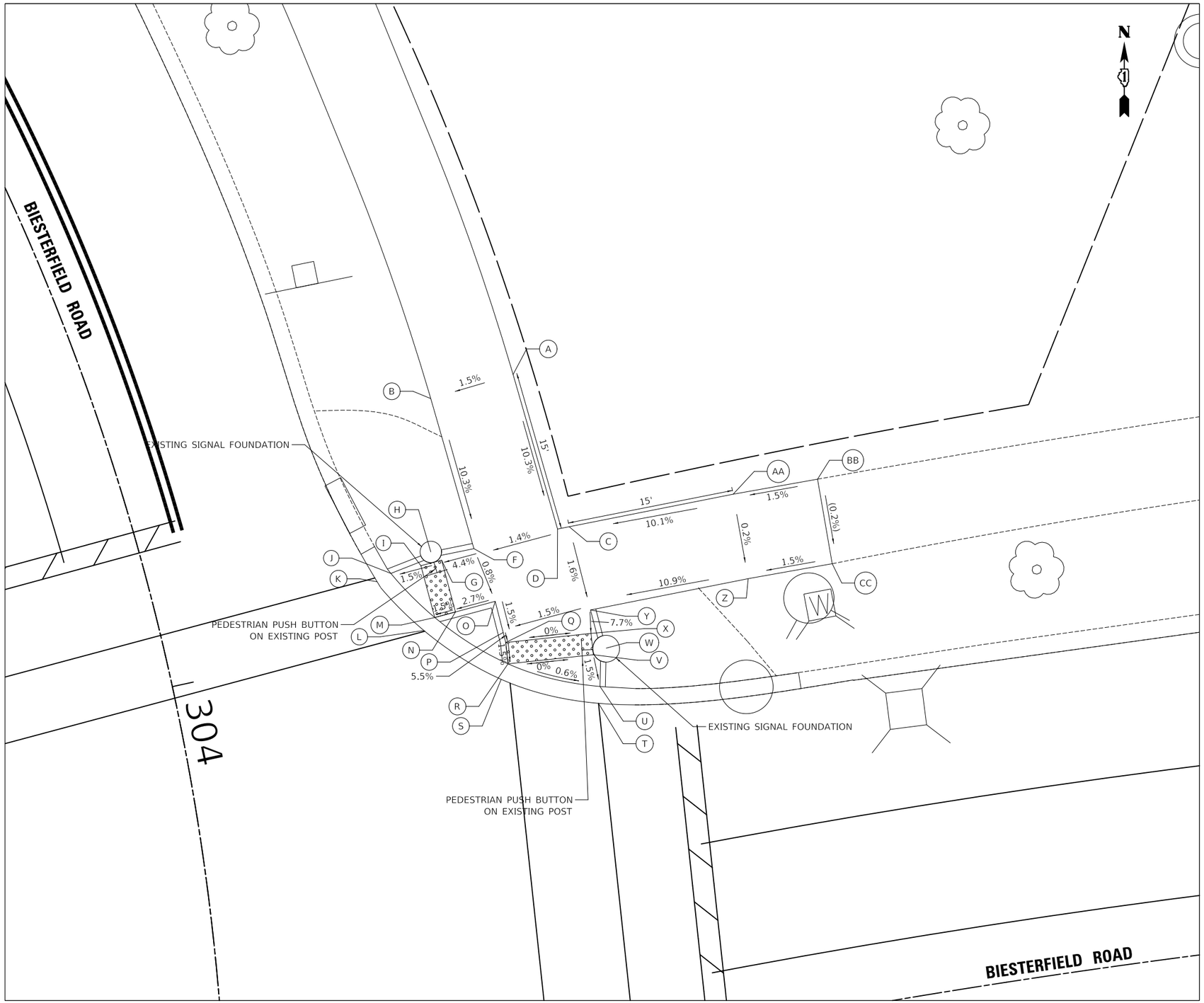
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA GRADING PLAN

SCALE: 1" = 5' | SHEET 1 OF 6 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	21-00074-00-RS	COOK	62	21
		CONTRACT NO. 61H77		
	ILLINOIS			

NE CORNER, WISE RD. / BIESTERFIELD RD.				TOP OF CURB ELEVATION
	STATION	OFFSET	ELEVATION	
A	303+81.45	38.24'LT	(732.55)	
B	303+81.46	34.32'LT	(732.41)	
C	303+94.30	39.42'LT	731.02	
D	303+94.26	38.35'LT	731.01	
E	303+94.34	34.46'LT	730.97	731.47
F	303+94.21	30.75'LT	730.93	731.43
G	303+94.49	27.12'LT	730.76	
H	303+93.60	26.33'LT	(731.37)	
I	303+94.53	25.12'LT	730.73	
J	303+94.56	22.23'LT	730.69	731.19
K	303+94.97	20.80'LT	(730.70)	
L	303+99.89	24.04'LT	(730.73)	
M	303+99.02	25.28'LT	730.72	731.22
N	303+98.94	27.28'LT	730.75	731.25
O	303+98.80	31.12'LT	730.86	731.36
P	304+01.43	31.23'LT	730.81	731.31
Q	304+02.28	31.27'LT	730.76	731.26
R	304+04.03	31.08'LT	730.73	731.23
S	304+05.17	30.17'LT	(730.74)	
T	33+27.10	32.19'LT	(730.69)	
U	33+27.53	33.71'LT	730.68	731.18
V	33+27.49	36.73'LT	730.73	
W	33+28.73	37.10'LT	(731.37)	
X	33+27.65	38.72'LT	730.76	
Y	33+28.01	40.88'LT	730.93	731.43
Z	33+42.24	41.05'LT	732.57	
AA	33+42.23	49.06'LT	732.59	
BB	33+49.74	49.11'LT	(732.71)	
CC	33+49.79	41.11'LT	(732.69)	



NORTHEAST CORNER, WISE ROAD AND BIESTERFIELD ROAD

LEGEND

	DETECTABLE WARNING (SPECIAL)
X% / XXX.XX	PROPOSED SLOPE / ELEVATION
(X%) / (XXX.XX)	EXISTING SLOPE / ELEVATION

0 5 10 15
SCALE IN FEET

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

PROFILE
NOTE BOOK
NO.
SURVEYED
PLOTTED
GRADE CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKD
BY
DATE

MODEL: \$MODELNAME\$
FILE NAME: ...\3585_ADA Grading

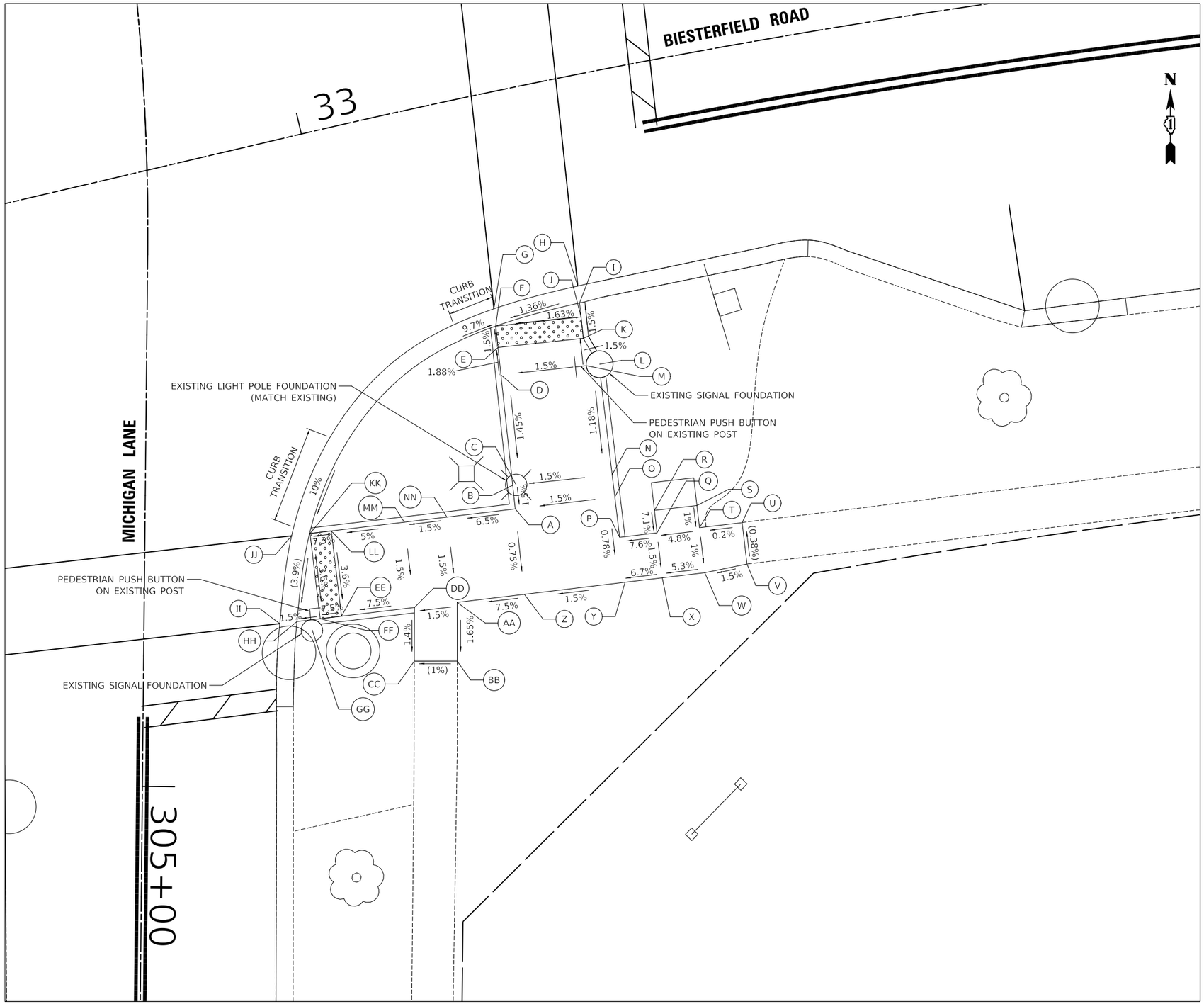
USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 4/1/2022	DATE - 03/16/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA GRADING PLAN

SCALE: 1" = 5' | SHEET 2 OF 6 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	21-00074-00-RS	COOK	62	22
		CONTRACT NO. 61H77		
	ILLINOIS			



SE CORNER, BIESTERFIELD RD. / MICHIGAN LN.				TOP OF CURB ELEVATION
	STATION	OFFSET	ELEVATION	
A	33+12.05	38.46'RT	730.04	730.54
B	33+12.30	36.26'RT	730.07	730.57
C	33+12.64	36.29'RT	(730.07)	
D	33+13.45	25.97'RT	730.22	730.72
E	33+13.73	23.42'RT	730.17	730.67
F	33+13.95	21.43'RT	730.14	730.64
G	33+14.13	19.82'RT	(730.15)	
H	33+22.43	19.34'RT	(730.26)	
I	33+22.27	20.92'RT	730.25	730.75
J	33+22.15	22.23'RT	730.27	730.77
K	33+21.95	24.22'RT	730.30	730.80
L	33+22.99	26.89'RT	(730.68)	
M	33+21.70	26.77'RT	730.34	
N	33+22.05	37.20'RT	730.21	730.71
O	33+21.87	39.29'RT	730.18	730.68
P	33+21.54	43.06'RT	730.15	730.65
Q	33+25.24	43.24'RT	730.42	
R	33+25.43	41.24'RT	(730.57)	
S	33+29.63	41.56'RT	(730.63)	
T	33+29.46	43.63'RT	730.61	
U	33+33.69	43.92'RT	(730.62)	
V	33+33.41	47.79'RT	(730.63)	
W	33+29.12	47.85'RT	730.57	
X	33+24.88	47.55'RT	730.36	
Y	33+21.16	47.26'RT	730.12	
Z	33+11.13	46.41'RT	729.98	
AA	304+82.56	29.17'LT	729.51	
BB	304+88.03	29.23'LT	(729.42)	
CC	304+88.08	25.23'LT	(729.38)	
DD	304+83.08	25.20'LT	729.45	729.95
EE	304+83.96	18.40'LT	728.94	
FF	304+84.22	16.42'LT	728.79	729.29
GG	304+85.28	15.69'LT	(729.15)	
HH	304+84.49	14.26'LT	728.76	
II	304+84.71	12.65'LT	(728.77)	
JJ	304+76.52	13.68'LT	(729.09)	
KK	304+76.28	15.39'LT	729.08	729.58
LL	304+76.02	17.37'LT	729.23	729.73
MM	304+75.14	24.17'LT	729.57	730.07
NN	304+74.63	28.14'LT	729.63	730.13

LEGEND

	DETECTABLE WARNING (SPECIAL)
X% / XXX.XX	PROPOSED SLOPE / ELEVATION
(X%) / (XXX.XX)	EXISTING SLOPE / ELEVATION

0 5 10 15
SCALE IN FEET

SOUTHEAST CORNER, BIESTERFIELD ROAD AND MICHIGAN LANE

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, B.M. NOTED, STRUCTURE NOTATNS CHKD, NOTE BOOK, NO., BY, DATE

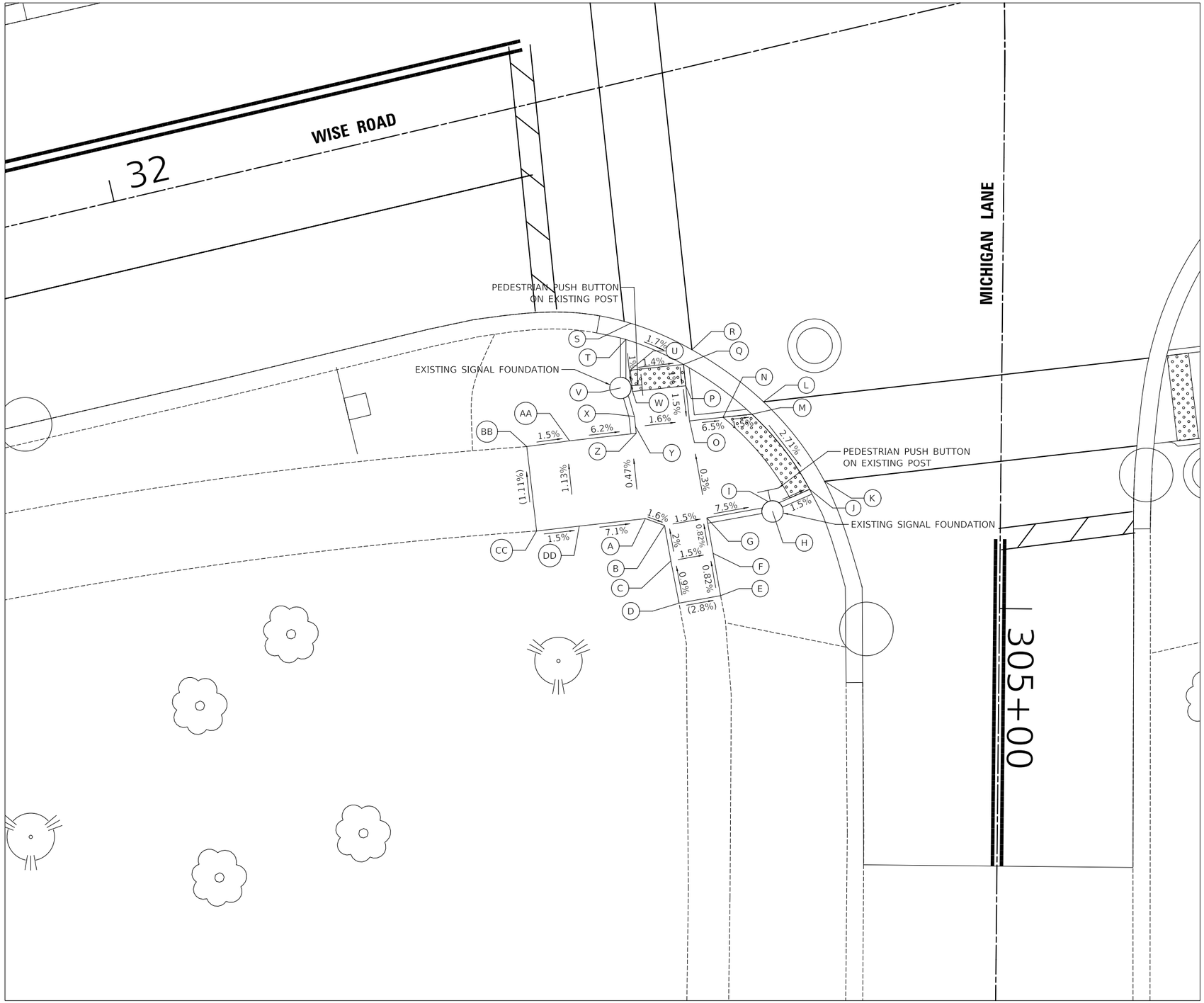
MODEL: $MODELNAME$
FILE NAME: ...\3385_ADA Grading

USER NAME = djk	DESIGNED - JAT	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**
	DRAWN - JAT	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED - DJK	REVISED -	
PLOT DATE = 4/1/2022	DATE - 03/16/2022	REVISED -	

ADA GRADING PLAN

SCALE: 1" = 5' | SHEET 3 OF 6 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	21-00074-00-RS	COOK	62	23
		CONTRACT NO. 61H77		
	ILLINOIS			



SW CORNER, WISE RD. / MICHIGAN LN.				TOP OF CURB ELEVATION
	STATION	OFFSET	ELEVATION	
A	304+91.94	33.09' RT	729.17	
B	304+92.56	31.30' RT	729.14	
C	304+95.86	30.68' RT	729.17	
D	304+99.79	29.87' RT	(729.25)	
E	304+99.05	26.00' RT	(729.14)	
F	304+95.12	26.74' RT	729.11	
G	304+91.82	27.37' RT	729.08	729.58
H	304+91.16	21.24' RT	(729.19)	
I	304+90.25	21.66' RT	728.63	
J	304+89.06	17.81' RT	728.57	729.07
K	304+88.30	16.43' RT	(728.58)	
L	304+80.95	22.18' RT	(728.82)	
M	304+82.12	23.25' RT	728.81	729.31
N	304+82.43	25.95' RT	728.85	729.35
O	304+82.80	29.07' RT	729.05	729.55
P	32+47.96	28.89' RT	729.10	729.60
Q	32+48.21	26.90' RT	729.12	729.62
R	32+49.29	25.75' RT	(729.13)	
S	32+44.30	22.05' RT	(729.23)	
T	32+43.51	23.42' RT	729.22	729.72
U	32+43.26	26.29' RT	729.19	
V	32+42.00	27.69' RT	(729.59)	
W	32+43.01	28.27' RT	729.17	
X	32+42.65	30.58' RT	729.15	729.65
Y	32+42.53	31.53' RT	729.14	729.64
Z	32+42.45	32.14' RT	729.13	729.63
AA	32+36.25	31.41' RT	729.52	
BB	32+32.24	31.02' RT	(729.58)	
CC	32+31.34	38.88' RT	(729.67)	
DD	32+35.31	39.35' RT	729.61	

LEGEND

DETECTABLE WARNING (SPECIAL)

X% / XXX.XX — PROPOSED SLOPE / ELEVATION

(X%) / (XXX.XX) — EXISTING SLOPE / ELEVATION

0 5 10 15

SCALE IN FEET

SOUTHWEST CORNER, WISE ROAD AND MICHIGAN LANE

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, B.M. NOTED, STRUCTURE NOTATNS CHKD, NOTE BOOK, NO., BY, DATE

MODEL: \$MODELNAME\$
FILE NAME: ...13585_ADA Grading

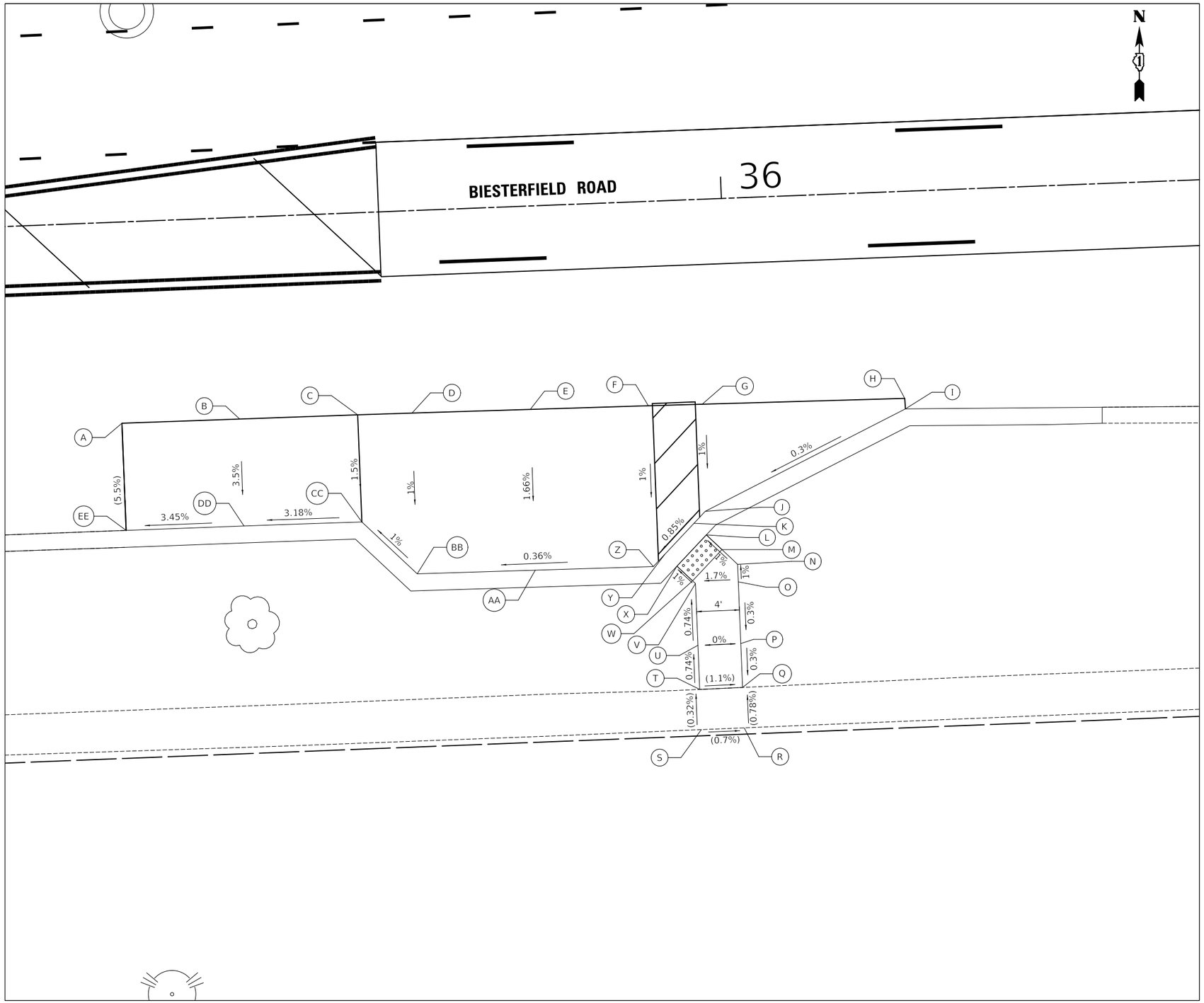
USER NAME = djk	DESIGNED - JAT	REVISED -	
	DRAWN - JAT	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED - DJK	REVISED -	
PLOT DATE = 4/1/2022	DATE - 03/16/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA GRADING PLAN

SCALE: 1" = 5' | SHEET 4 OF 6 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	21-00074-00-RS	COOK	62	24
		CONTRACT NO. 61H77		
	ILLINOIS			



ADA ACCESSIBLE PARKING SPOT

ADA ACCESSIBLE PARKING SPOT			
	STATION	OFFSET	ELEVATION
A	35+43.32	18.76' RT	(734.81)
B	35+54.31	18.79' RT	(734.99)
C	35+65.32	18.83' RT	(735.14)
D	35+70.38	18.86' RT	(735.21)
E	35+81.42	18.96' RT	(735.35)
F	35+92.44	19.05' RT	(735.29)
G	35+97.46	19.10' RT	(735.30)
H	36+16.36	19.30' RT	(735.30)
I	36+16.38	20.28' RT	(735.27)
J	35+97.36	29.09' RT	735.20
K	35+96.26	30.17' RT	735.19
L	35+97.37	31.29' RT	735.18
M	35+98.77	32.72' RT	735.20
N	36+00.18	34.15' RT	735.22
O	36+00.18	35.78' RT	735.23
P	36+00.18	41.54' RT	735.21
Q	36+00.19	45.64' RT	(735.20)
R	36+00.20	49.41' RT	(735.23)
S	35+96.20	49.42' RT	(735.25)
T	35+96.19	45.67' RT	(735.24)
U	35+96.18	41.55' RT	735.21
V	35+96.18	35.79' RT	735.17
W	35+95.92	35.52' RT	735.16
X	35+94.52	34.10' RT	735.14
Y	35+93.41	32.97' RT	735.15
Z	35+92.32	34.05' RT	735.14
AA	35+81.30	33.96' RT	735.10
BB	35+70.28	33.86' RT	735.06
CC	35+65.32	28.83' RT	734.99
DD	35+54.32	28.77' RT	734.64
EE	35+43.32	28.76' RT	(734.26)

LEGEND

	DETECTABLE WARNING (SPECIAL)
X% / XXX.XX	PROPOSED SLOPE / ELEVATION
(X%) / (XXX.XX)	EXISTING SLOPE / ELEVATION

0 5 10 15
SCALE IN FEET

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

PROFILE
SURVEYED
PLOTTED
CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
DATE
BY

MODEL: SMODELNAMES
FILE NAME: ...13585_ADA Grading

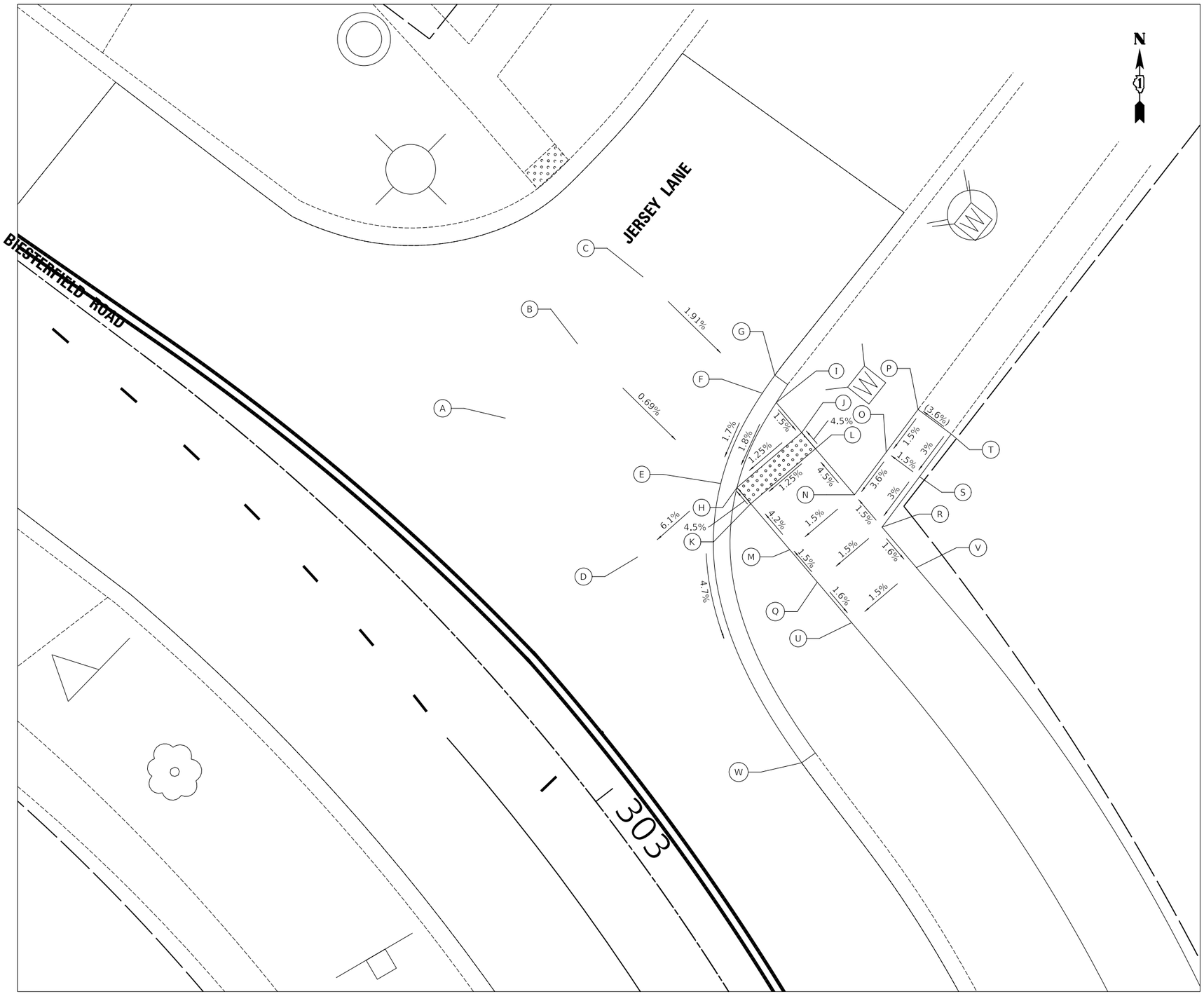
USER NAME = djk	DESIGNED - JAT	REVISED -	
	DRAWN - JAT	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED - DJK	REVISED -	
PLOT DATE = 4/1/2022	DATE - 03/16/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA GRADING PLAN

SCALE: 1" = 5' | SHEET 5 OF 6 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	21-00074-00-RS	COOK	62	25
		CONTRACT NO. 61H77		
	ILLINOIS			



JERSEY LANE			
	STATION	OFFSET	ELEVATION
A	302+68.61	17.73' LT	(734.62)
B	302+68.61	27.48' LT	(734.99)
C	302+68.61	36.30' LT	(735.32)
D	302+85.35	17.73' LT	(734.22)
E	302+85.35	28.18' LT	734.86
F	302+82.10	36.77' LT	735.02
G	302+81.71	38.79' LT	(735.07)
H	302+86.50	29.08' LT	734.85
I	302+83.42	37.16' LT	735.01
J	302+86.60	37.08' LT	734.95
K	302+88.27	29.06' LT	734.94
L	302+88.32	37.06' LT	735.04
M	302+93.30	29.08' LT	735.18
N	302+93.20	37.08' LT	735.30
O	302+92.17	41.95' LT	735.48
P	302+91.22	46.82' LT	(735.55)
Q	302+96.85	29.17' LT	735.24
R	302+96.63	37.17' LT	735.36
S	302+95.36	42.90' LT	735.54
T	302+94.33	47.74' LT	(735.69)
U	303+01.27	29.38' LT	735.16
V	303+00.92	37.37' LT	735.28
W	303+08.33	17.73' LT	(733.53)

NOTES

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

LEGEND

	DETECTABLE WARNING (SPECIAL)
X% / XXX.XX	PROPOSED SLOPE / ELEVATION
(X%) / (XXX.XX)	EXISTING SLOPE / ELEVATION

JERSEY LANE AND BIESTERFIELD ROAD

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

PROFILE — SURVEYED, PLOTTED, GRADE CHECKED, B.M. NOTED, STRUCTURE NOTATNS CHKD, NOTE BOOK, NO., BY, DATE

MODEL: SMODELNAMES
FILE NAME: ...\3585_ADA Grading

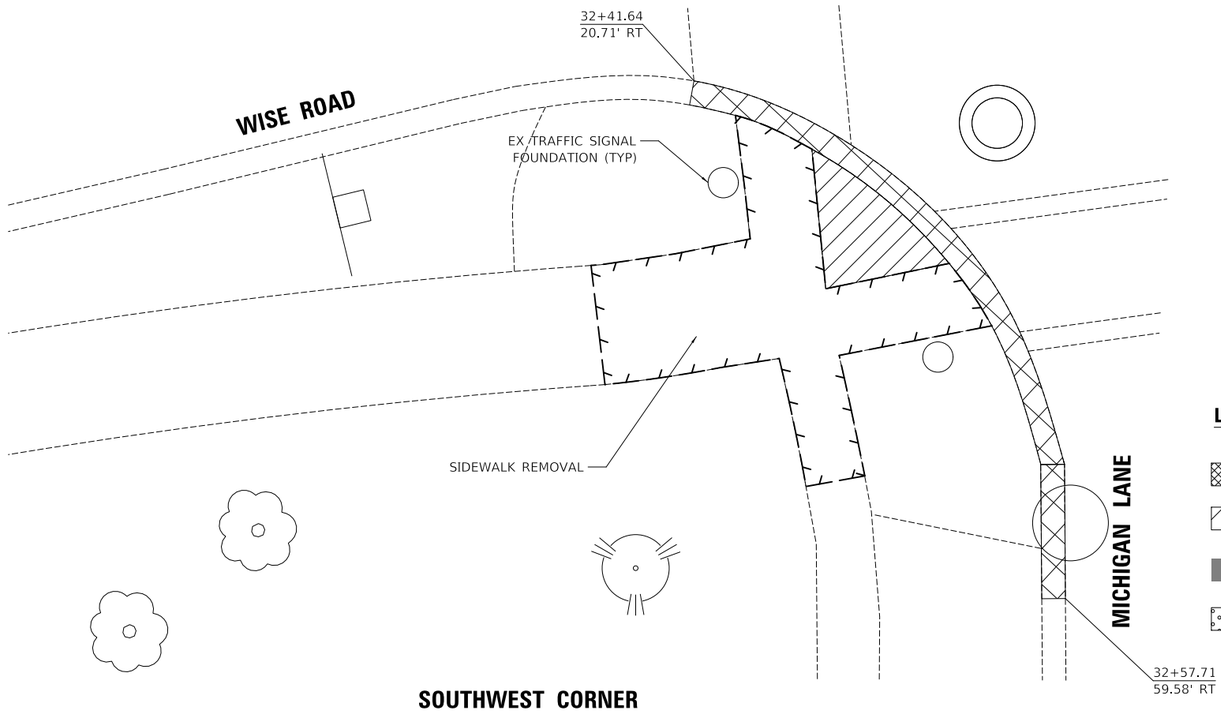
USER NAME = djk	DESIGNED - JAT	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**
	DRAWN - JAT	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED - DJK	REVISED -	
PLOT DATE = 4/1/2022	DATE - 03/16/2022	REVISED -	

ADA GRADING PLAN

SCALE: 1" = 5' | SHEET 6 OF 6 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	21-00074-00-RS	COOK	62	26
		CONTRACT NO. 61H77		
	ILLINOIS			

PLAN
SURVEYED
PLOTTED
AS-BUILT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE



N

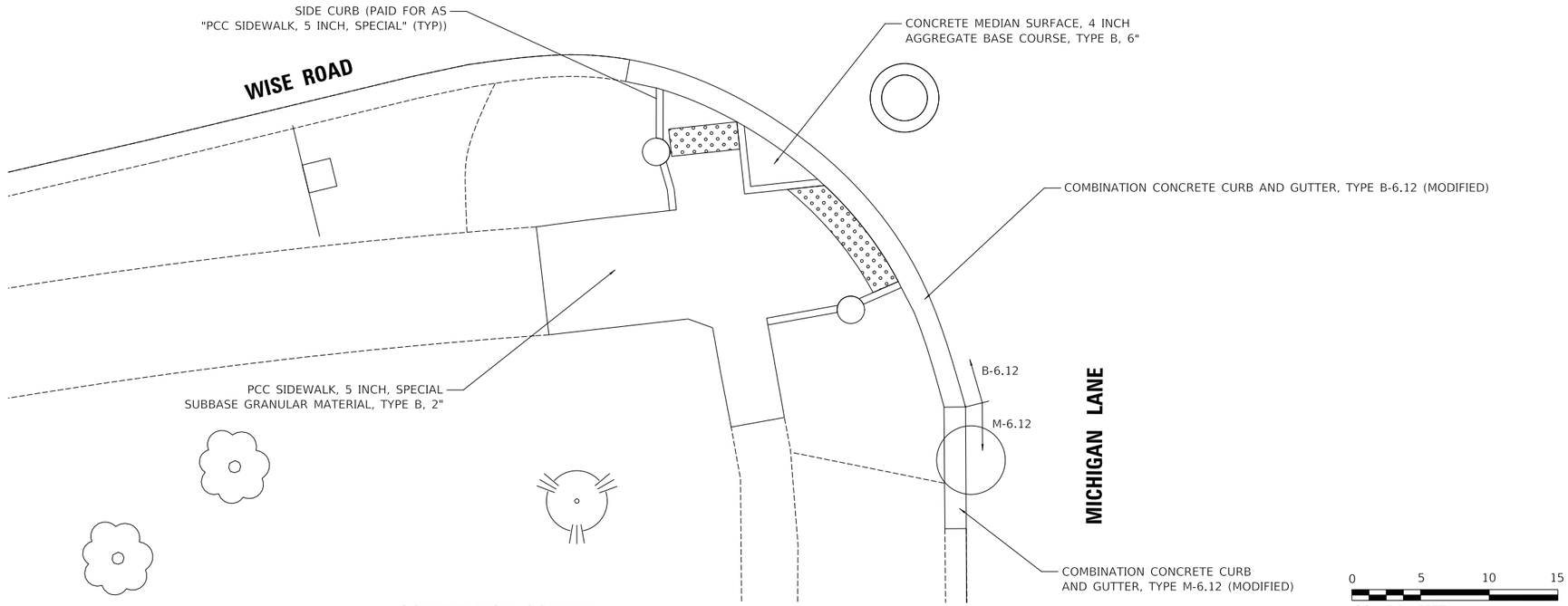
LEGEND

- COMBINATION CURB AND GUTTER REMOVAL
- BRICK PAVER REMOVAL
- LANDSCAPING
- DETECTABLE WARNING (SPECIAL)

0 5 10 15
SCALE IN FEET

SOUTHWEST CORNER

PROFILE
SURVEYED
PLOTTED
AS-BUILT CHECKED
E.M. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE



N

0 5 10 15
SCALE IN FEET

SOUTHWEST CORNER

MODEL: \$MODELNAME\$
FILE NAME: ...\17-Details\3385_Corner Details

USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 4/1/2022	DATE - 03/16/2022	REVISED -

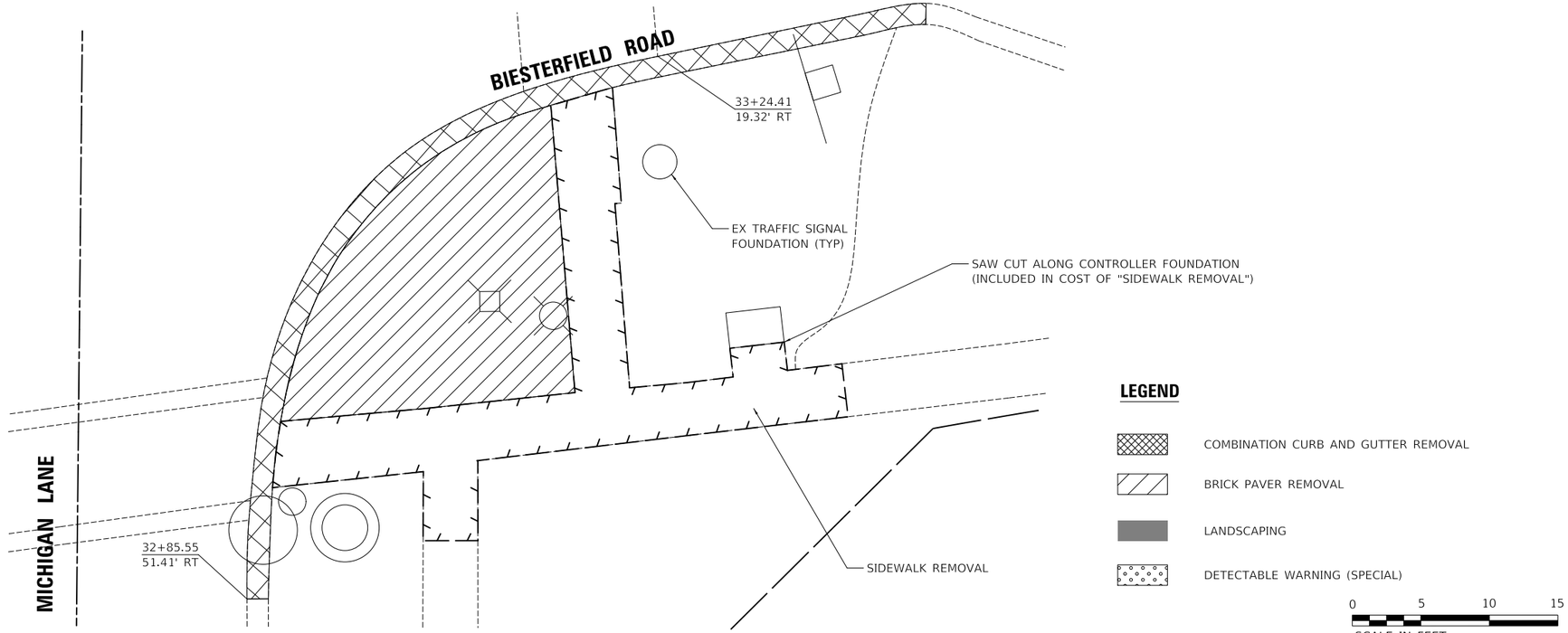
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAILS

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

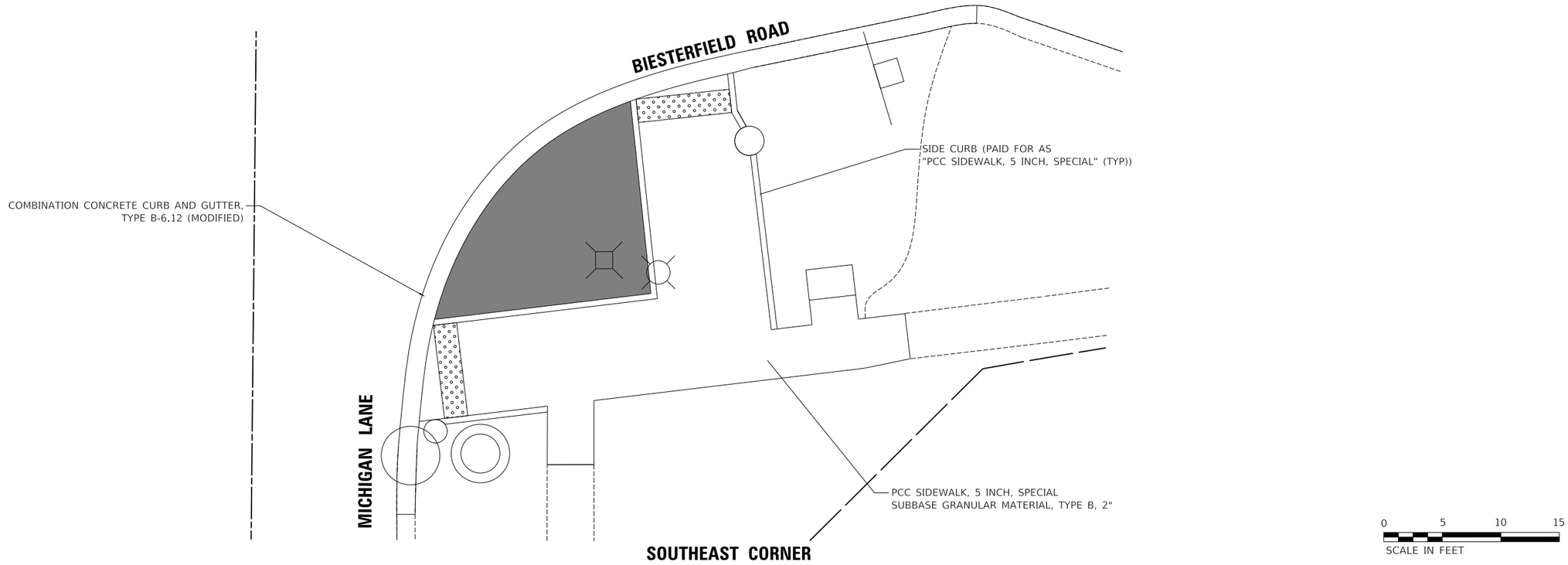
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	21-00074-00-RS	COOK	62	27
		CONTRACT NO. 61H77		
	ILLINOIS			

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



SOUTHEAST CORNER

PROFILE
SURVEYED
PLOTTED
CROSS SECTIONS CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE



SOUTHEAST CORNER

MODEL: SMODELNAME5
FILE NAME: ...\17-Details\s3585_Corner Details

USER NAME = djk	DESIGNED - JAT	REVISED -	
	DRAWN - JAT	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED - DJK	REVISED -	
PLOT DATE = 4/1/2022	DATE - 03/16/2022	REVISED -	

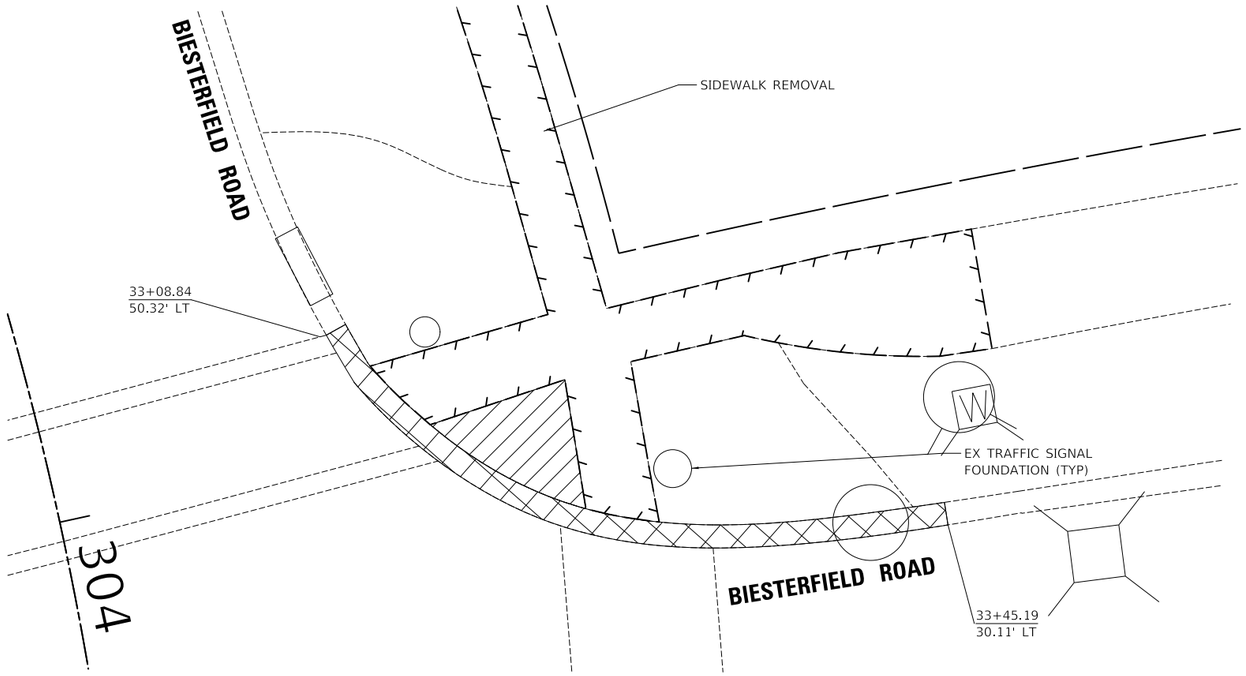
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	21-00074-00-RS	COOK	62	28
		CONTRACT NO. 61H77		
	ILLINOIS			

PLAN
SURVEYED
PLOTTED
AS-BUILT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE



NORTHEAST CORNER

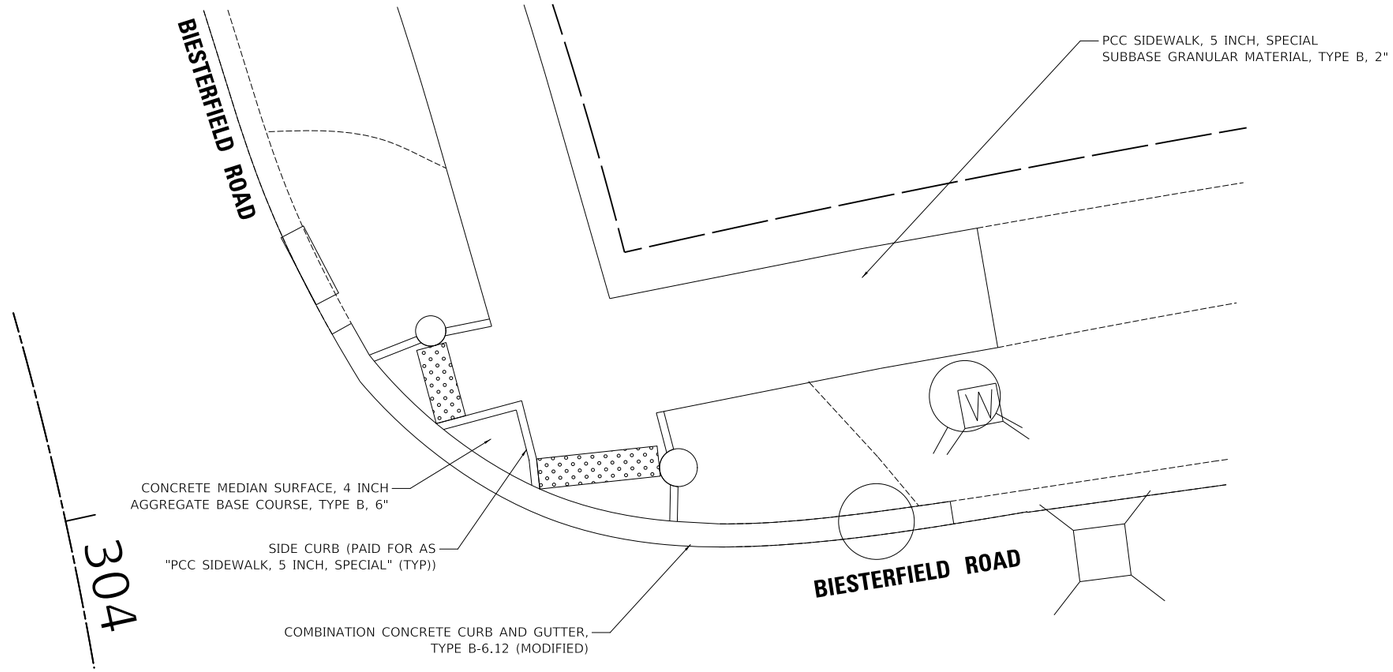
N

LEGEND

- COMBINATION CURB AND GUTTER REMOVAL
- BRICK PAVER REMOVAL
- LANDSCAPING
- DETECTABLE WARNING (SPECIAL)

0 5 10 15
SCALE IN FEET

PROFILE
SURVEYED
PLOTTED
AS-BUILT CHECKED
S.M. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE



NORTHEAST CORNER

N

0 5 10 15
SCALE IN FEET

MODEL: \$MODELNAME\$
FILE NAME: ...\17-Details\3385_Corner Details

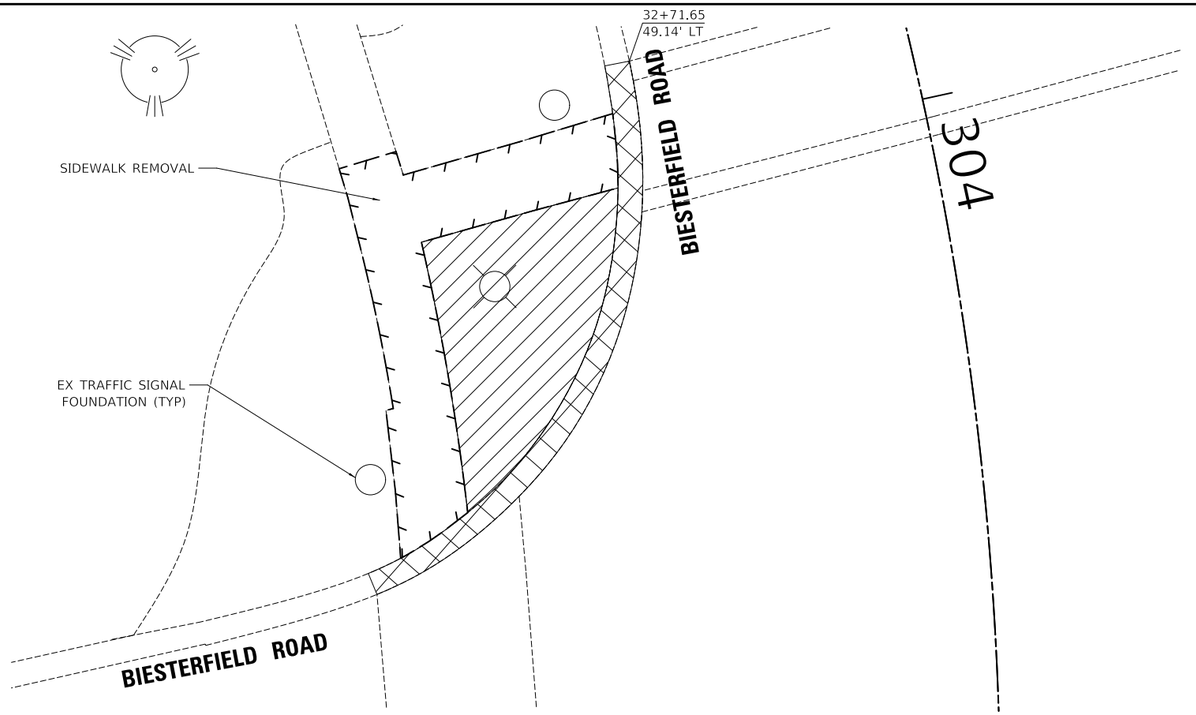
USER NAME = djk	DESIGNED - JAT	REVISED -	
	DRAWN - JAT	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED - DJK	REVISED -	
PLOT DATE = 4/1/2022	DATE - 03/16/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	21-00074-00-RS	COOK	62	29
		CONTRACT NO. 61H77		
	ILLINOIS			



NORTHWEST CORNER

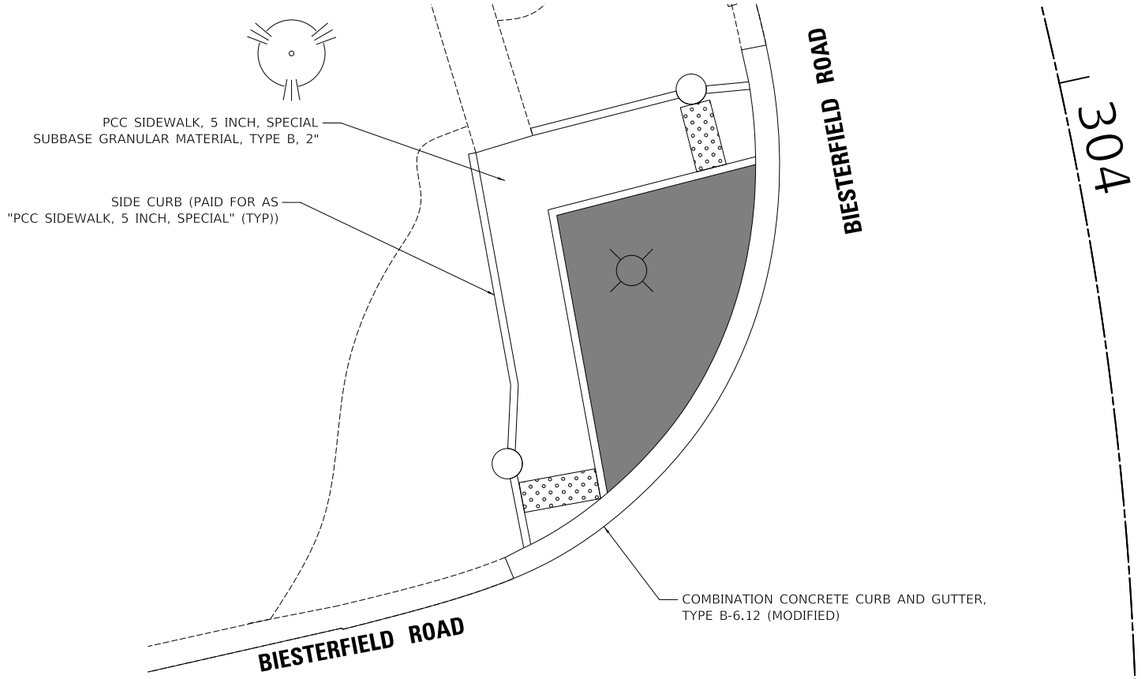
N

LEGEND

- COMBINATION CURB AND GUTTER REMOVAL
- BRICK PAVER REMOVAL
- LANDSCAPING
- DETECTABLE WARNING (SPECIAL)

0 5 10 15

SCALE IN FEET



NORTHWEST CORNER

N

0 5 10 15

SCALE IN FEET

PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, B.M. NOTED, STRUCTURE NOTATNS CHKD, NOTE BOOK, NO., BY, DATE

MODEL: SMODELNAME5
FILE NAME: ...\17-Details\s3385_Corner Details

USER NAME = djk	DESIGNED - JAT	REVISED -	
	DRAWN - JAT	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED - DJK	REVISED -	
PLOT DATE = 4/1/2022	DATE - 03/16/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	21-00074-00-RS	COOK	62	30
		CONTRACT NO. 61H77		
	ILLINOIS			

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

SIDEWALK REMOVAL

302+81.71
38.79' LT

303+08.33
17.73' LT

JERSEY LANE

BIESTERFIELD ROAD

N

LEGEND

- COMBINATION CURB AND GUTTER REMOVAL
- BRICK PAVER REMOVAL
- LANDSCAPING
- DETECTABLE WARNING (SPECIAL)

0 5 10 15
SCALE IN FEET

PROFILE
SURVEYED
PLOTTED
CHANGES CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE

303+06.44
37.76' LT
735.06

303+25.00
38.83' LT
734.28

165' R

303+50.00
38.57' LT
733.55

303+50.80
38.53' LT
733.54

303+61.02
38.27' LT
733.24

230' R

303+75.00
38.21' LT
732.76

303+82.41
38.12' LT
732.49

8'

1.5%

1.5%

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

COMBINATION CONCRETE CURB AND GUTTER,
TYPE B-6.12 (MODIFIED)

JERSEY LANE

BIESTERFIELD ROAD

MODEL: \$MODELNAME\$
FILE NAME: ...\17-Details\s3585_Corner Details

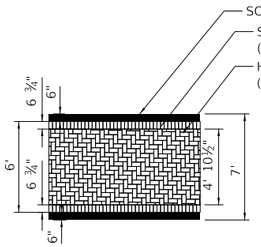
USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 10.0001 ' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 4/1/2022	DATE - 03/16/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

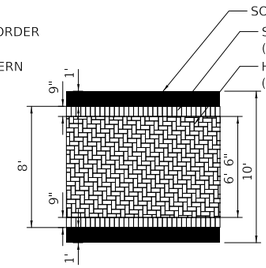
SIDEWALK DETAILS

SHEET 5 OF 5 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	21-00074-00-RS	COOK	62	31
		CONTRACT NO. 61H77		
	ILLINOIS			

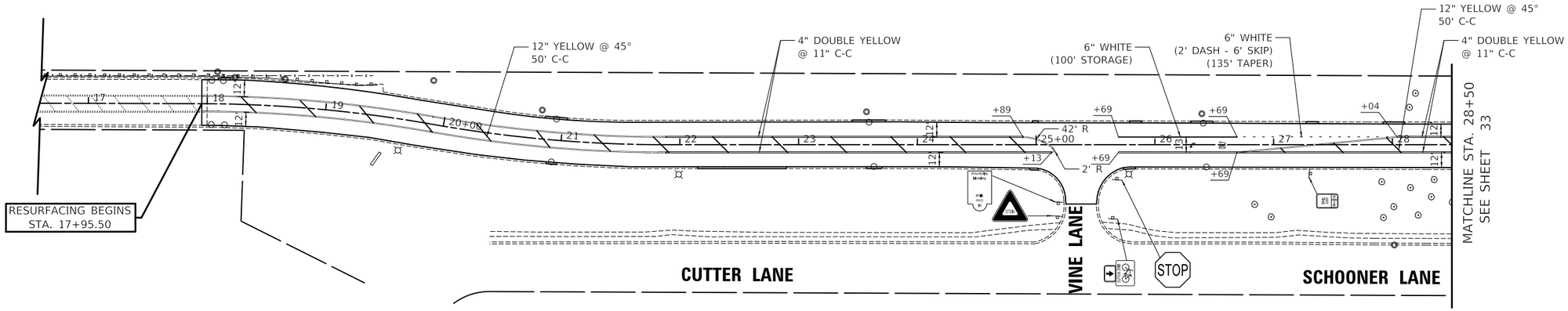


PEDESTRIAN ROUTE



BIKE ROUTE

PAVEMENT MARKING (SPECIAL) DETAIL



LEGEND

- EXISTING LIGHT POLE
- EXISTING SIGN
- EXISTING MAST ARM
- EXISTING TRAFFIC SIGNAL POST
- PROPOSED SIGN PANEL

NOTES

1) ALL PERMANENT PAVEMENT MARKINGS SHALL BE THERMOPLASTIC.

2) DIMENSIONS TO PAVEMENT MARKINGS ARE TO THE CENTER OF A SINGLE LINE OR THE CENTER OF GAP FOR A DOUBLE LINE.

3) SEE IDOT STANDARD DETAIL TC-13 FOR ADDITIONAL INFORMATION.

4) EXISTING SIGNING SHALL REMAIN UNLESS OTHERWISE NOTED. ANY SIGNS OR SUPPORTS SHOWN TO REMAIN THAT ARE DAMAGED BY THE CONTRACTOR SHALL BE REPLACED BY THE CONTRACTOR. THIS SHALL INCLUDE REPLACEMENT OF THE SIGN AND/OR SUPPORT WITH THE SAME DECORATIVE MATERIALS AS CURRENTLY EXIST.

5) PROPOSED SIGNING (MARKED AS "NEW") SHALL CONSIST OF THE PAY ITEMS:
"SIGN PANEL - TYPE 1 (SPECIAL)"
"ORNAMENTAL SIGN FRAME"
"INSTALL SIGN"
"DECORATIVE SIGN POST" (WHERE NOTED)

WISE ROAD

0 50 100 150
SCALE IN FEET

PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, B.M. NOTED, STRUCTURE NOTATNS CHKD, NOTE BOOK, NO., BY, DATE

MODEL: SMODELNAME5
FILE NAME: ...\3585_Signing_Striping

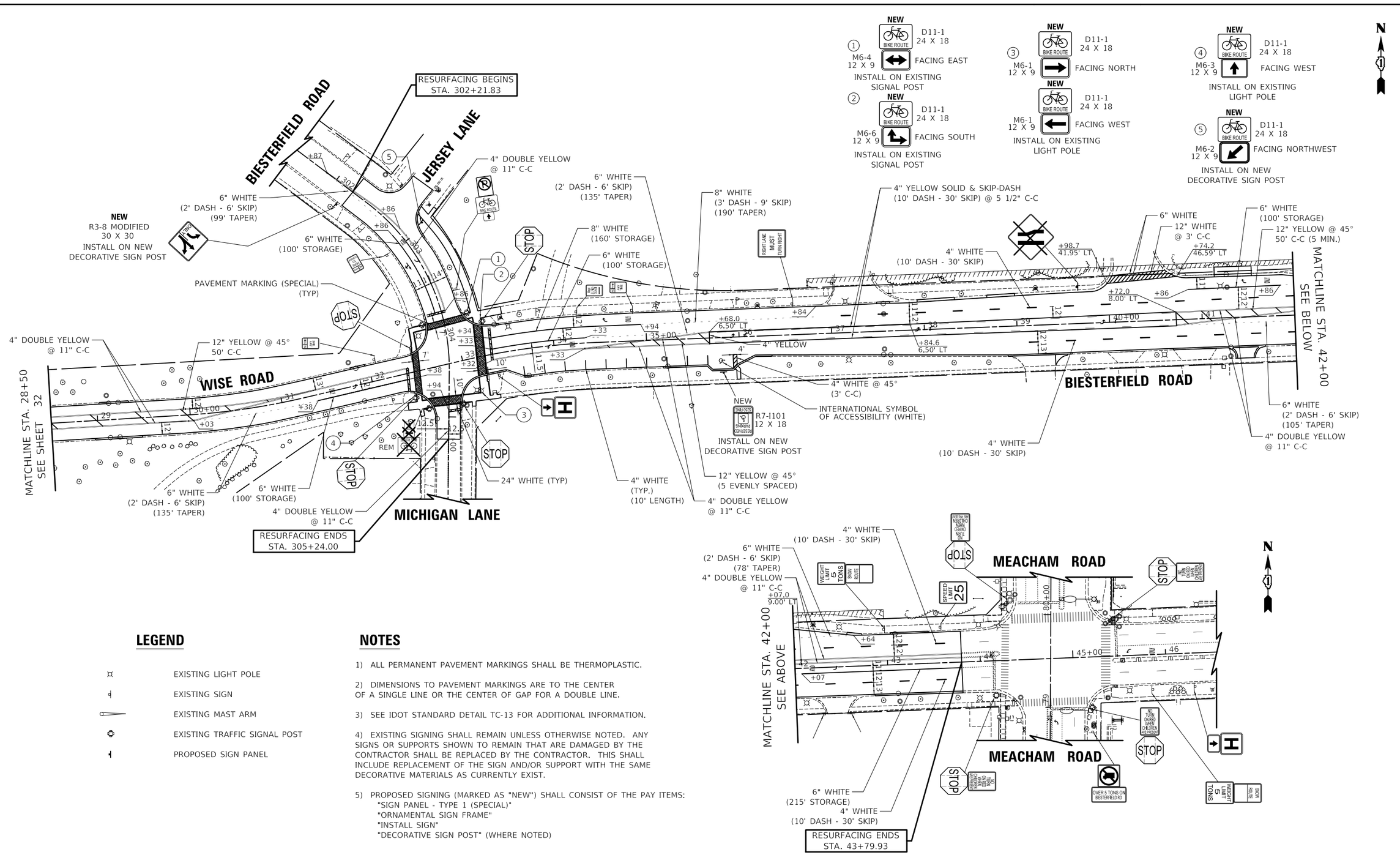
USER NAME = djk	DESIGNED - JAT	REVISED -	
	DRAWN - JAT	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - DJK	REVISED -	
PLOT DATE = 4/1/2022	DATE - 03/16/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING PLAN

SCALE: 1" = 50' | SHEET 1 OF 2 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	21-00074-00-RS	COOK	62	32
		CONTRACT NO. 61H77		
	ILLINOIS			



LEGEND

⌑	EXISTING LIGHT POLE
⫞	EXISTING SIGN
⟜	EXISTING MAST ARM
⌾	EXISTING TRAFFIC SIGNAL POST
⫞	PROPOSED SIGN PANEL

NOTES

1) ALL PERMANENT PAVEMENT MARKINGS SHALL BE THERMOPLASTIC.

2) DIMENSIONS TO PAVEMENT MARKINGS ARE TO THE CENTER OF A SINGLE LINE OR THE CENTER OF GAP FOR A DOUBLE LINE.

3) SEE IDOT STANDARD DETAIL TC-13 FOR ADDITIONAL INFORMATION.

4) EXISTING SIGNING SHALL REMAIN UNLESS OTHERWISE NOTED. ANY SIGNS OR SUPPORTS SHOWN TO REMAIN THAT ARE DAMAGED BY THE CONTRACTOR SHALL BE REPLACED BY THE CONTRACTOR. THIS SHALL INCLUDE REPLACEMENT OF THE SIGN AND/OR SUPPORT WITH THE SAME DECORATIVE MATERIALS AS CURRENTLY EXIST.

5) PROPOSED SIGNING (MARKED AS "NEW") SHALL CONSIST OF THE PAY ITEMS:
"SIGN PANEL - TYPE 1 (SPECIAL)"
"ORNAMENTAL SIGN FRAME"
"INSTALL SIGN"
"DECORATIVE SIGN POST" (WHERE NOTED)

WISE ROAD / BIESTERFIELD ROAD

0 50 100 150
SCALE IN FEET

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

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
B.M. NOTED
STRUCTURE NO
TA'VE CHKD

MODEL: SMODELNAMES
FILE NAME: ...\3585_Signing_Striping

USER NAME = djk	DESIGNED - JAT	REVISED -	
	DRAWN - JAT	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - DJK	REVISED -	
PLOT DATE = 4/1/2022	DATE - 03/16/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING PLAN

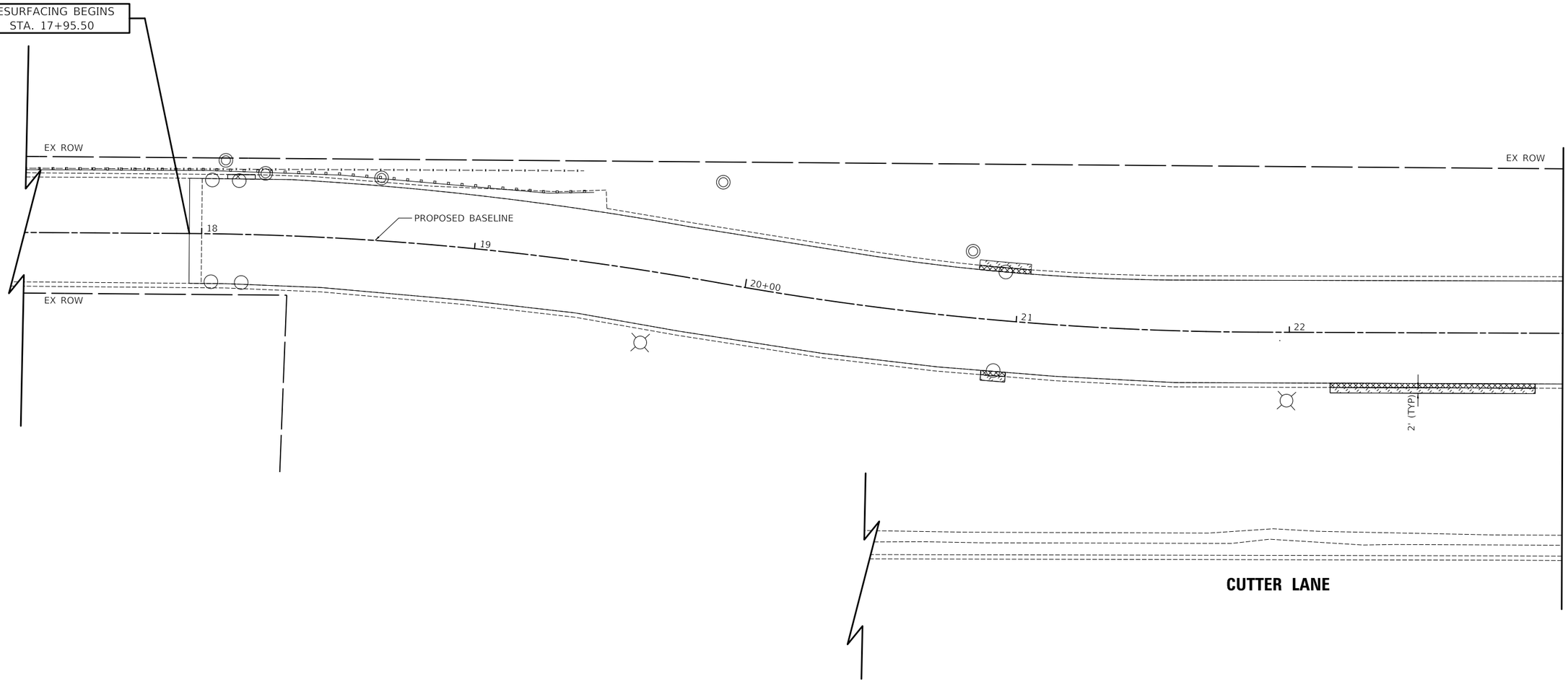
SCALE: 1" = 50' | SHEET 2 OF 2 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	21-00074-00-RS	COOK	62	33
		CONTRACT NO. 61H77		
	ILLINOIS			

PLAN
SURVEYED
PLOTTED
CHARGE CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE

PROFILE
SURVEYED
PLOTTED
CHARGE CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE

RESURFACING BEGINS
STA. 17+95.50



LEGEND

TOPSOIL, FURNISH AND PLACE 4" SODDING, SALT TOLERANT

PROPOSED TREE

EXISTING TREE TO REMAIN

TEMPORARY FENCE
TREE ROOT PRUNING
TREE PRUNING

NOTES

1. RESTORATION WORK WILL BE PAID FOR UP TO TWO FEET ADJACENT TO RECONSTRUCTED CURB AND GUTTER, BIKEPATH, OR SIDEWALK, UNLESS OTHERWISE SHOWN. 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, 3" 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.

0 20 40 60
SCALE IN FEET

WISE ROAD

MODEL: SMODELNAMES
FILE NAME: ...13585_Landscaping.dgn

USER NAME = djk	DESIGNED - JAT	REVISED -	**STATE OF ILLINOIS**
	DRAWN - JAT	REVISED -	**DEPARTMENT OF TRANSPORTATION**
PLOT SCALE = 40.0000 ' / in.	CHECKED - DJK	REVISED -	
PLOT DATE = 4/1/2022	DATE - 03/16/2022	REVISED -	

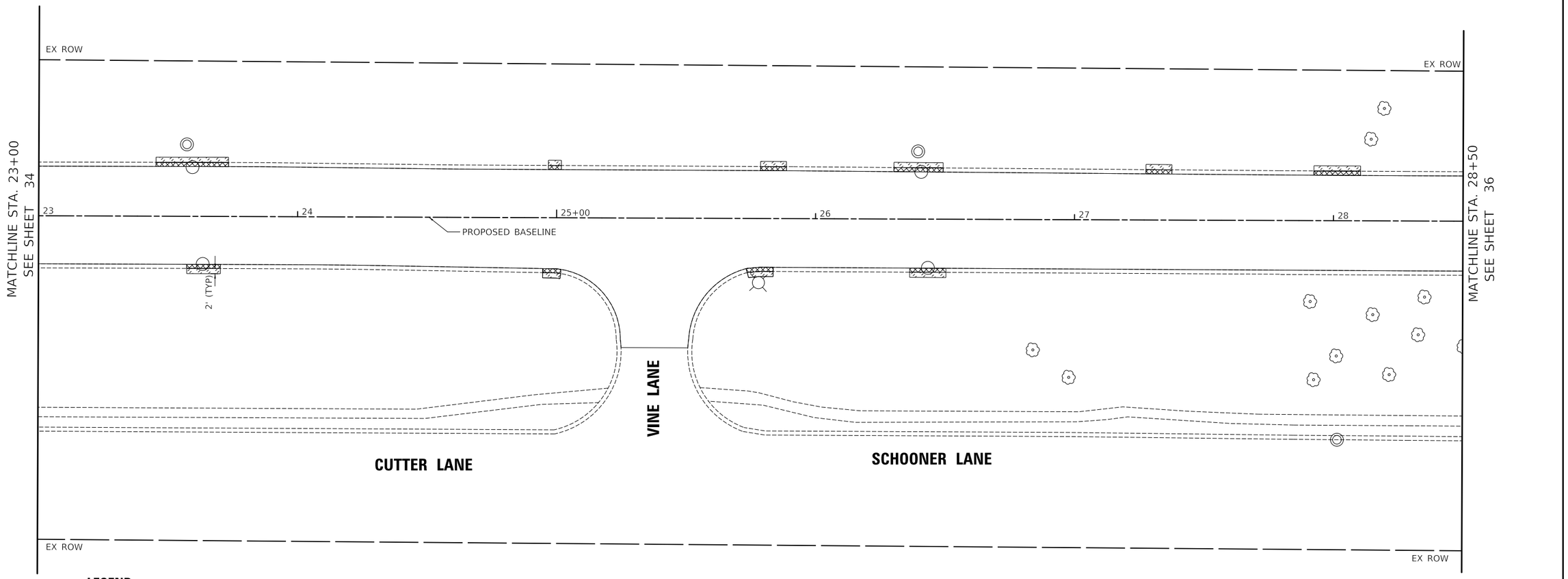
LANDSCAPING PLAN

SCALE: 1" = 20' | SHEET 1 OF 6 SHEETS | STA. 17+95.50 | TO STA. 23+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	21-00074-00-RS	COOK	62	34
		CONTRACT NO. 61H77		
	ILLINOIS			

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

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE



LEGEND

TOPSOIL, FURNISH AND PLACE 4"
SODDING, SALT TOLERANT

PROPOSED TREE

EXISTING TREE TO REMAIN

TEMPORARY FENCE
TREE ROOT PRUNING
TREE PRUNING

0 20 40 60
SCALE IN FEET

WISE ROAD

MODEL: SMODELNAMES
FILE NAME: ...\3385_Landscaping.dgn

USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 4/1/2022	DATE - 03/16/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLAN

SCALE: 1" = 20' | SHEET 2 OF 6 SHEETS | STA. 23+00.00 | TO STA. 28+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	21-00074-00-RS	COOK	62	35
		CONTRACT NO. 61H77		
	ILLINOIS			

PERENNIALS & GRASSES					
QTY	CODE	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS
19	NFW	NEPETA X FAASSENII 'WALKERS LOW'	WALKERS LOW CATMINT	1 GAL	30" O.C.
29	SAN	SALVIA NEMEROSA 'HAEUMANARC'	MARCUS SAGE	1 GAL	24" O.C.
51	PHL	PHLOX SUBULATA 'RED WINGS'	CREEPING PHLOX 'RED WINGS'	1 GAL	18" O.C.

RESURFACING BEGINS
STA. 302+38.28

JERSEY LANE

EX ROW

302

MATCHLINE STA. 303+00
BIESTERFIELD ROAD
SEE BELOW

MATCHLINE STA. 303+00
BIESTERFIELD ROAD
SEE ABOVE

303

BIESTERFIELD ROAD

SHREDDED BARK
MULCH, 3"

(3)NFW

(8)NFW
(15)PHL
(7)SAN

304

(5)PHL

EX ROW

WISE ROAD

MATCHLINE STA. 28+50
SEE SHEET 35

MATCHLINE STA. 34+00
BIESTERFIELD ROAD
SEE SHEET 37

29

30+00

31

32

33

PROPOSED BASELINE

2' (TYP)

(7)PHL

(19)PHL

(6)NFW
(19)SAN

(2)NFW
(3)SAN

305+00

SCHOONER LANE

RESURFACING ENDS
STA. 305+24.00

MICHIGAN LANE

LEGEND

TOPSOIL, FURNISH AND PLACE 4" SODDING, SALT TOLERANT

PROPOSED TREE

EXISTING TREE TO REMAIN

TEMPORARY FENCE
TREE ROOT PRUNING
TREE PRUNING

0 20 40 60
SCALE IN FEET

WISE ROAD / BIESTERFIELD ROAD

N

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

PROFILE
SURVEYED
PLOTTED
GRADE CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE

MODEL: sMODELNAME$
FILE NAME: ...\3585_Landscaping.dgn

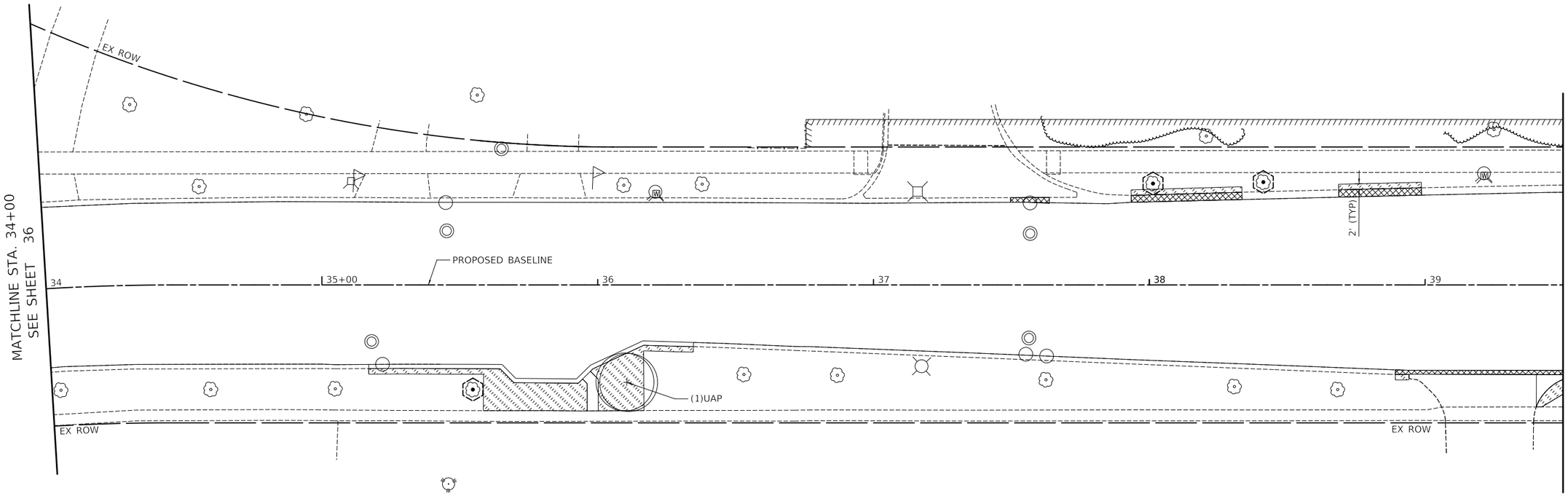
USER NAME = djk	DESIGNED - JAT	REVISED -	
	DRAWN - JAT	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - DJK	REVISED -	
PLOT DATE = 4/1/2022	DATE - 03/16/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLAN

SCALE: 1" = 20' | SHEET 3 OF 6 SHEETS | STA. 28+50.00 | TO STA. 34+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	21-00074-00-RS	COOK	62	36
		CONTRACT NO. 61H77		
	ILLINOIS			



	SHADE TREES				
QTY	CODE	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS
1	UAP	ULMUS AMERICANA 'PRINCETON'	PRINCETON AMERICAN ELM	2-1/2" C	

LEGEND

TOPSOIL, FURNISH AND PLACE 4" SODDING, SALT TOLERANT

PROPOSED TREE

EXISTING TREE TO REMAIN

TEMPORARY FENCE
TREE ROOT PRUNING
TREE PRUNING

0 20 40 60
SCALE IN FEET

BIESTERFIELD ROAD

PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME; NOTE BOOK; NO.; BY; DATE

PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, B.M. NOTED, STRUCTURE NOTATNS CHKD; NOTE BOOK; NO.; BY; DATE

MODEL: SMODELNAMES
FILE NAME: ...\3385_Landscaping.dgn

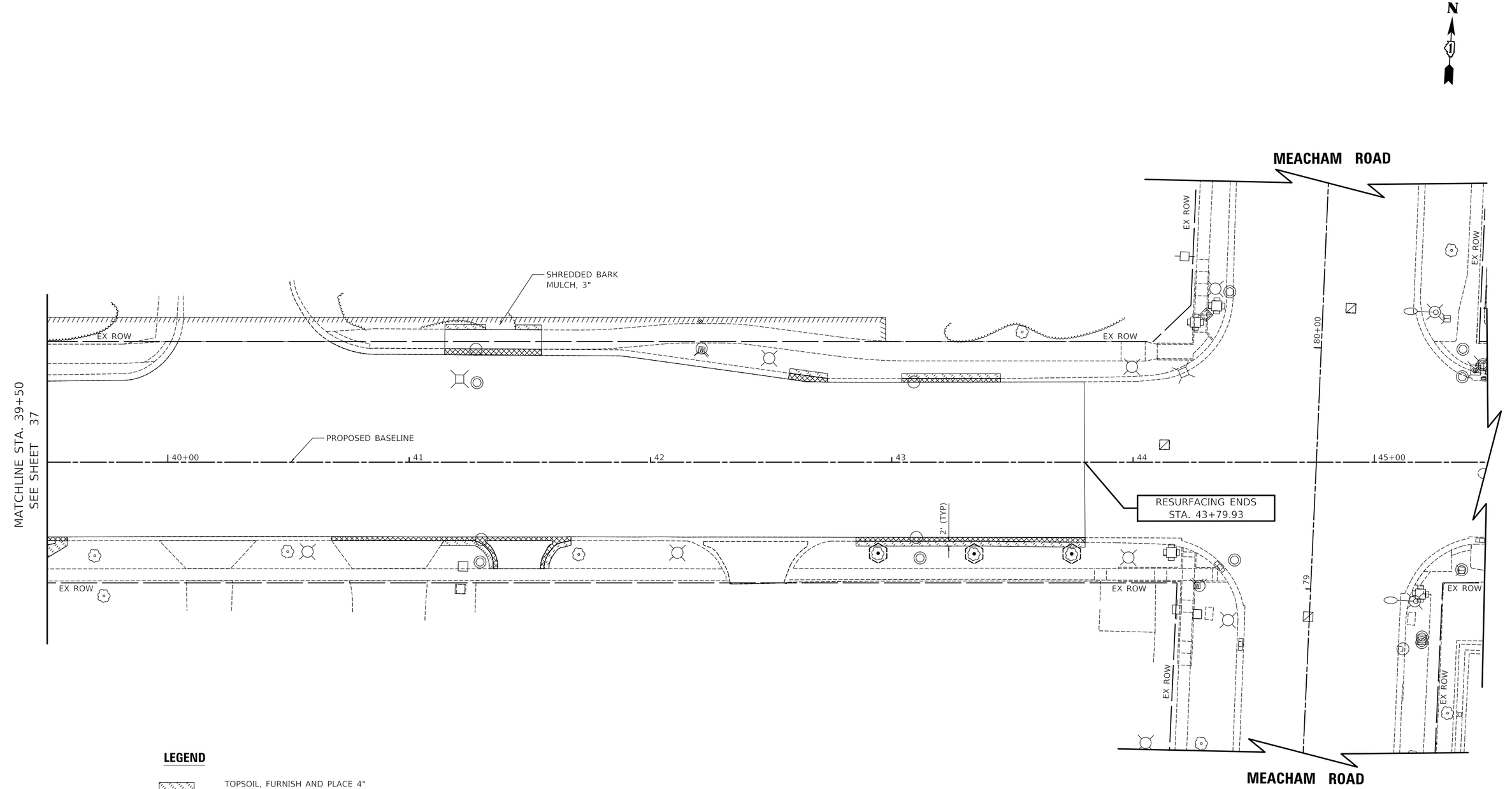
USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 4/1/2022	DATE - 03/16/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLAN

SCALE: 1" = 20' | SHEET 4 OF 6 SHEETS | STA. 34+00.00 | TO STA. 39+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	21-00074-00-RS	COOK	62	37
		CONTRACT NO. 61H77		
	ILLINOIS			



LEGEND

- TOPSOIL, FURNISH AND PLACE 4" SODDING, SALT TOLERANT
- PROPOSED TREE
- EXISTING TREE TO REMAIN
- TEMPORARY FENCE
  TREE ROOT PRUNING
  TREE PRUNING

PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, B.M. NOTED, STRUCTURE NOTATNS CHKD, NOTE BOOK, NO., BY, DATE

MODEL: SMODELNAMES
FILE NAME: ...\3585_Landscaping.dgn

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PLOT SCALE = 40.0000 ' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 4/1/2022	DATE - 03/16/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLAN

SCALE: 1" = 20' | SHEET 5 OF 6 SHEETS | STA. 39+50.00 TO STA. 43+78.93

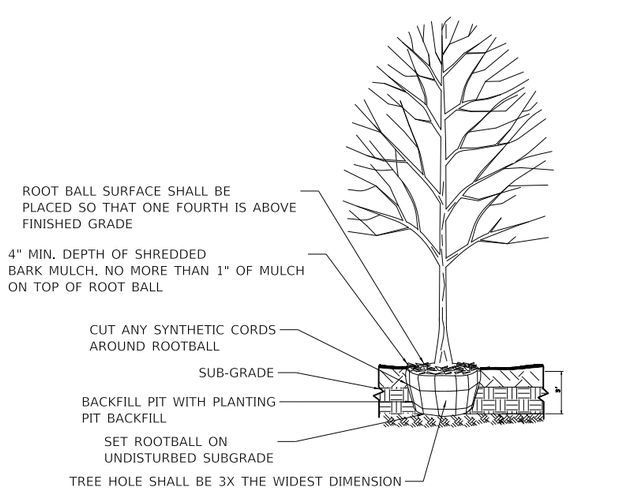
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	21-00074-00-RS	COOK	62	38
		CONTRACT NO. 61H77		
	ILLINOIS			

GENERAL CONSTRUCTION NOTES:

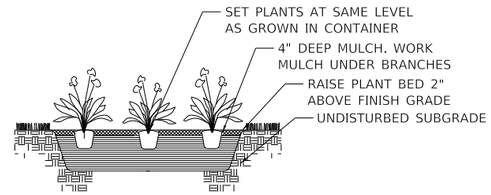
1. ALL ALTERATIONS MUST BE APPROVED BY THE ENGINEER.
2. ALL MATERIAL MUST MEET INDUSTRY STANDARDS AND THE ENGINEER HAS THE RIGHT TO REFUSE ANY POOR MATERIAL OR WORKMANSHIP.
3. ENGINEER IS NOT RESPONSIBLE FOR UNSEEN SITE CONDITIONS.
4. TREES SHALL BE STAKED AND GUYED AND WATERING SAUCER AT BASE.
5. ALL MASS PLANTED SHRUB BEDS TO BE BERMED 2" TO 3" ABOVE GRADE AND MEET DRAINAGE REQUIREMENTS.
6. LAWN AND BED AREAS SHALL BE ROTOTILLED AND CLUMPS OF SOIL, AGGREGATES AND DEBRIS RAKED OUT AND REMOVED FROM THE SITE.
7. ALL DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF PROPERLY.
8. CONTRACTOR TO DEEP SPADE EDGE AND MULCH ALL EXISTING LANDSCAPE BEDS WITHIN THE PROJECT LIMITS.
9. THE DATE OF THE INSPECTION REQUIRED WITHIN THE SPECIAL PROVISION FOR PERENNIAL PLANT CARE SHALL BE DETERMINED BY THE ENGINEER BASED ON THE PROGRESS OF THE PROJECT. A MINIMUM 14 DAYS ADVANCE NOTICE SHALL BE PROVIDED.

MASTER PLANT SCHEDULE

	SHADE TREES				
QTY	CODE	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS
1	UAP	ULMUS AMERICANA 'PRINCETON'	PRINCETON AMERICAN ELM	2-1/2" C	
	PERENNIALS & GRASSES				
19	NFW	NEPETA X FAASSENII 'WALKERS LOW'	WALKERS LOW CATMINT	1 GAL	30" O.C.
29	SAN	SALVIA NEMEROSA 'HAEUMANARC'	MARCUS SAGE	1 GAL	24" O.C.
51	PHL	PHLOX SUBULATA 'RED WINGS'	CREEPING PHLOX 'RED WINGS'	1 GAL	18" O.C.



(1) TREE PLANTING DETAIL
NTS



(2) PERENNIAL PLANTING DETAIL
NTS

PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, B.M. NOTED, STRUCTURE NOTATNS CHKD, NOTE BOOK, NO., BY, DATE

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PLOT DATE = 4/1/2022	DATE - 03/16/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLAN

SHEET 6 OF 6 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	21-00074-00-RS	COOK	62	39
		CONTRACT NO. 61H77		
	ILLINOIS			

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

ITEM	EXISTING	PROPOSED
CONTROLLER CABINET		
COMMUNICATION CABINET	CC	CC
MASTER CONTROLLER	MC	MC
MASTER MASTER CONTROLLER	MMC	MMC
UNINTERRUPTABLE POWER SUPPLY		
SERVICE INSTALLATION -(P) POLE MOUNTED	P	P
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED	G GM	G GM
TELEPHONE CONNECTION	ET	T
STEEL MAST ARM ASSEMBLY AND POLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY		BM
WOOD POLE		
GUY WIRE		
SIGNAL HEAD		
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD OPTICALLY PROGRAMMED	P P	P P
FLASHER INSTALLATION -(FS) SOLAR POWERED	F FS F FS	F FS F FS
PEDESTRIAN SIGNAL HEAD		
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON	APS	APS
RADAR DETECTION SENSOR	R	R
VIDEO DETECTION CAMERA	V	V
RADAR/VIDEO DETECTION ZONE		
PAN, TILT, ZOOM (PTZ) CAMERA	PTZ	PTZ
EMERGENCY VEHICLE LIGHT DETECTOR		
CONFIMATION BEACON		
WIRELESS INTERCONNECT		
WIRELESS INTERCONNECT RADIO REPEATER	ERR	RR

ITEM	EXISTING	PROPOSED
HANDHOLE -SQUARE -ROUND		
HEAVY DUTY HANDHOLE -SQUARE -ROUND	H	H
DOUBLE HANDHOLE		
JUNCTION BOX	J	
RAILROAD CANTILEVER MAST ARM		
RAILROAD FLASHING SIGNAL		
RAILROAD CROSSING GATE		
RAILROAD CROSSBUCK		
RAILROAD CONTROLLER CABINET	RC	
UNDERGROUND CONDUIT (UC), GALVANIZED STEEL		
TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE		
SYSTEM ITEM	S	SP
INTERSECTION ITEM	I	IP
REMOVE ITEM		R
RELOCATE ITEM		RL
ABANDON ITEM		A
CONTROLLER CABINET AND FOUNDATION TO BE REMOVED		RCF
MAST ARM POLE AND FOUNDATION TO BE REMOVED		RMF
SIGNAL POST AND FOUNDATION TO BE REMOVED		RPF
DETECTOR LOOP, TYPE I		
PREFORMED DETECTOR LOOP	P P	P P
SAMPLING (SYSTEM) DETECTOR	S S	S S
INTERSECTION AND SAMPLING (SYSTEM) DETECTOR	IS IS	IS IS
QUEUE AND SAMPLING (SYSTEM) DETECTOR	QS QS	QS QS
WIRELESS DETECTOR SENSOR	W	W
WIRELESS ACCESS POINT		

ITEM	EXISTING	PROPOSED
SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD	R Y G ◄Y ◄G (P)	R Y G ◄Y ◄G (P)
SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE	R Y G ◄Y ◄G (P) (RB)	R Y G ◄Y ◄G (P) (RB)
PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER	C D	C D
ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED	5	5
GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)	1#6	1#6
ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C	1	1
COAXIAL CABLE	C	C
VENDOR CABLE	V	V
COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED	6#18	6#18
FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F	12F 24F 36F	12F 24F 36F
GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE	C M P S	C M P S

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PLOT DATE = 3/4/2019	DATE - 9/29/2016	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 1 OF 7 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	21-00074-00-RS	COOK	62	40
	TS-05	CONTRACT NO. 61H77		
	ILLINOIS	FED. AID PROJECT		

LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.

2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.

3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.

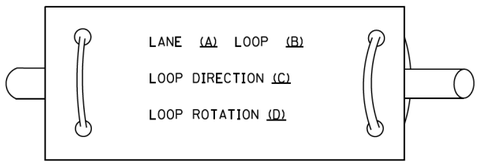
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.

5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.

6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.

7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD–IN CABLE TAG

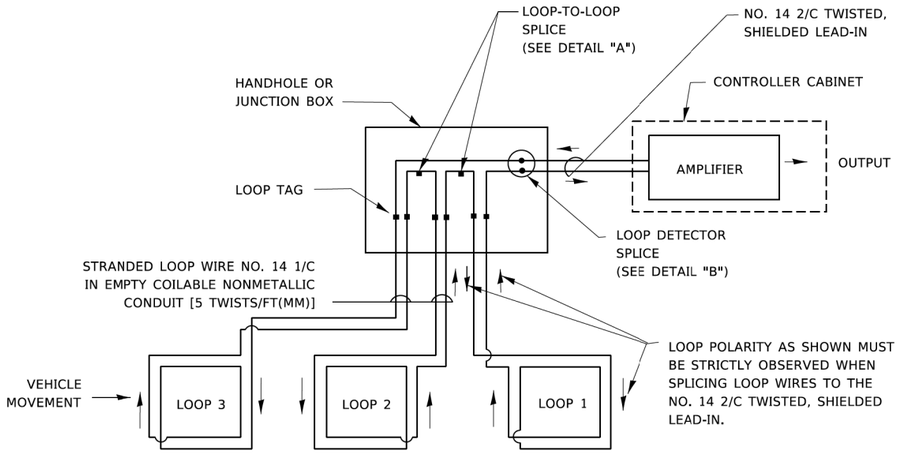


A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY

B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.

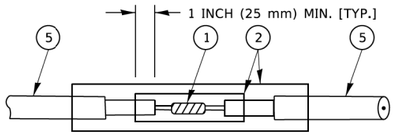
C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".

D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

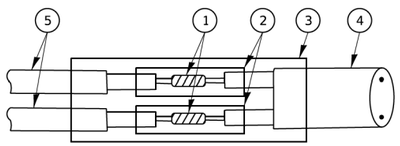


DETECTOR LOOP WIRING SCHEMATIC

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

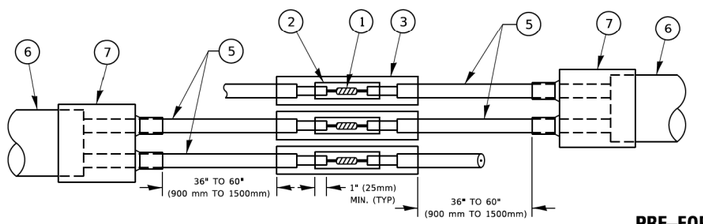


DETAIL "A"
LOOP-TO-LOOP SPLICE



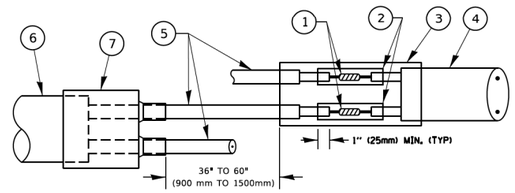
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE

PRE–FORMED LOOP



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

LOOP DETECTOR SPLICE

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

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	DRAWN -	REVISED -	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/4/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

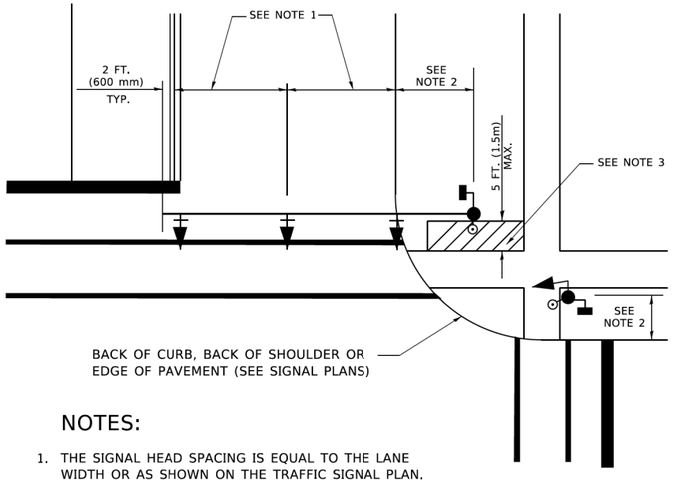
SCALE: NONE | SHEET 2 OF 7 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	21-00074-00-RS	COOK	62	41
	TS–05	CONTRACT NO. 61H77		
	ILLINOIS FED. AID PROJECT			

ts05.dgn 3/4/2019 11:22:18 AM User:footemj

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

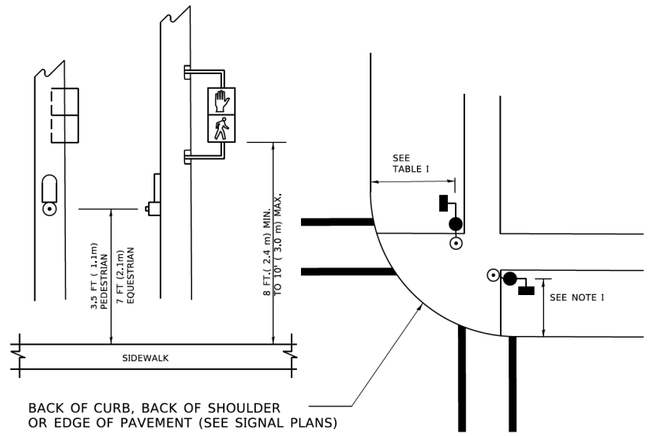
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



NOTES:

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

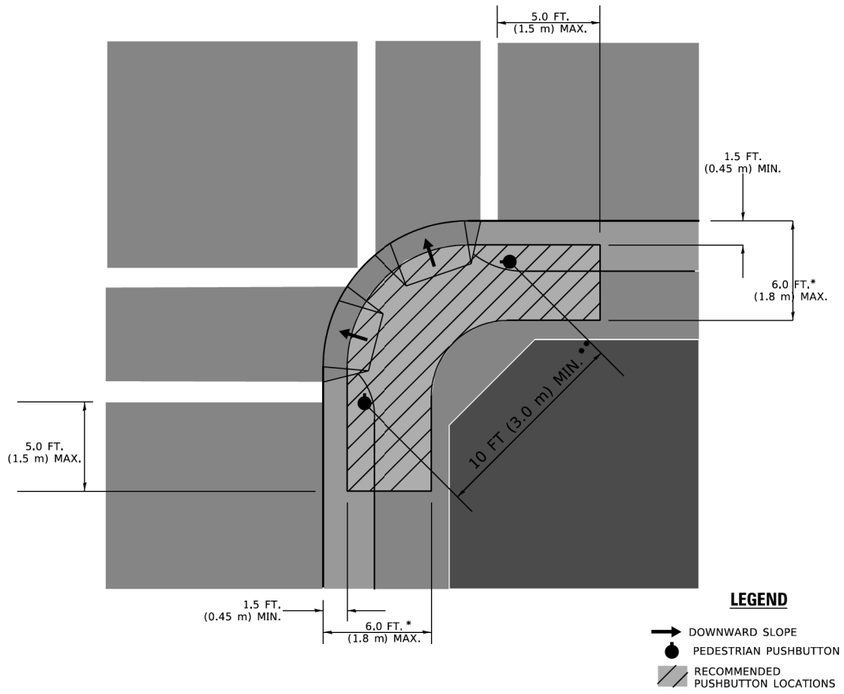
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



NOTES:

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

RECOMMENDED PUSHBUTTON LOCATIONS



* WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.

** WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

TRAFFIC SIGNAL EQUIPMENT OFFSET

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

NOTES:

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TOTHE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 3 OF 7 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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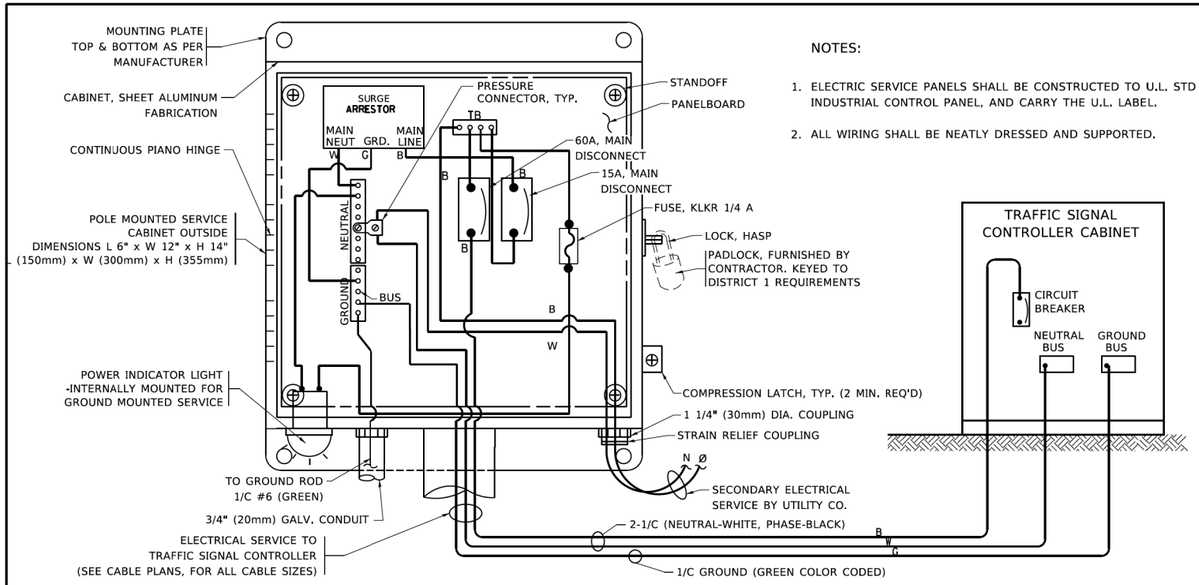


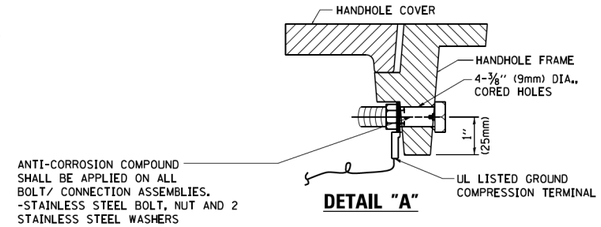
NOTES:

1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

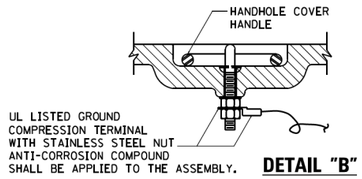
ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)

SERVICE INSTALLATION POLE MOUNT (SHOWN)

(NOT TO SCALE)



DETAIL "A"

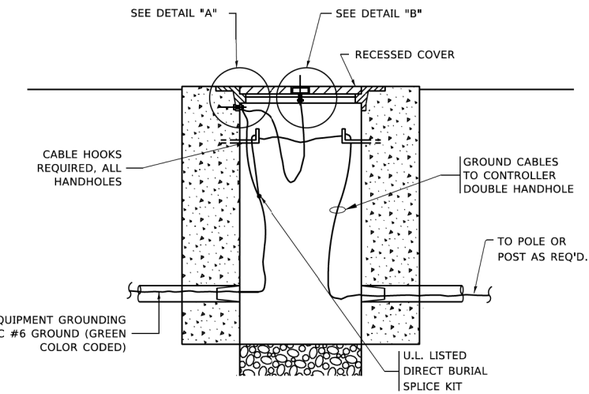


DETAIL "B"

NOTES:

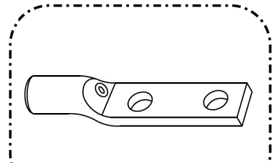
GROUNDING SYSTEM

1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC,). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD. ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINCIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
2. THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
3. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
4. THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.



HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)

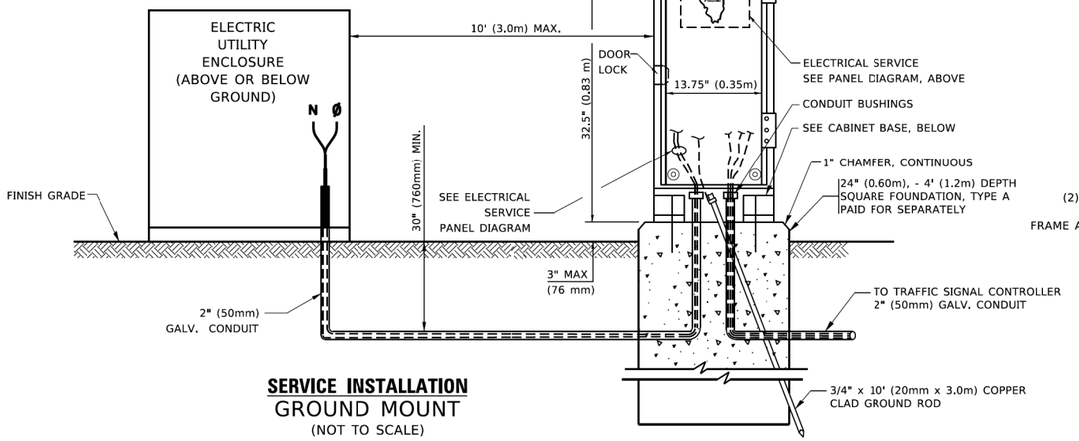


HEAVY-DUTY COMPRESSION TERMINAL ~~(BURNDY TYPE YGHA OR APPROVED EQUAL)~~

¾" (20mm) HEAVY-DUTY GROUND ROD CLAMP ~~(BURNDY TYPE GRC OR APPROVED EQUAL)~~

NOTES:

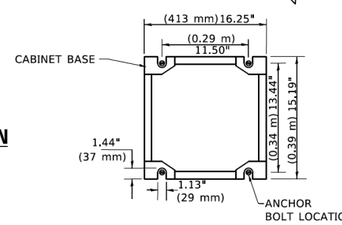
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES
  6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES
  13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES.
  5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



SERVICE INSTALLATION

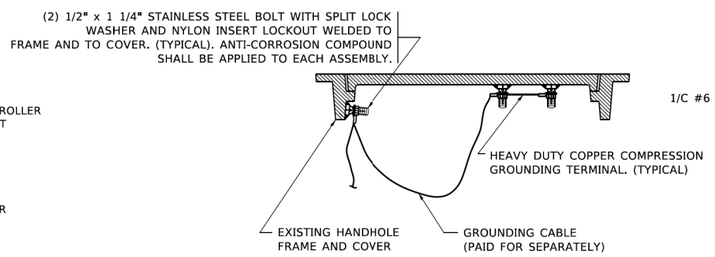
GROUND MOUNT

(NOT TO SCALE)



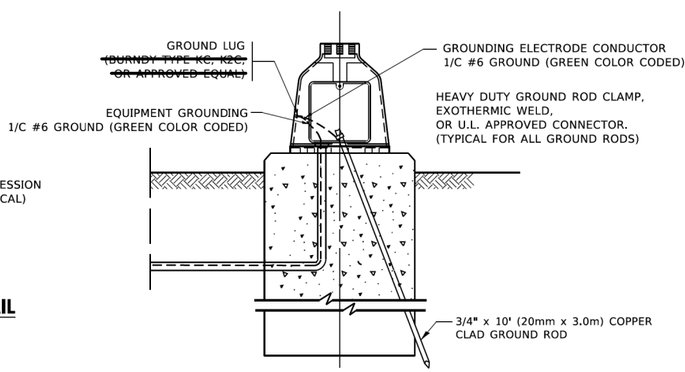
CABINET – BASE BOLT PATTERN

(NOT TO SCALE)



EXISTING HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)



MAST ARM POLE /POST–GROUNDING DETAIL

(NOT TO SCALE)

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 4 OF 7 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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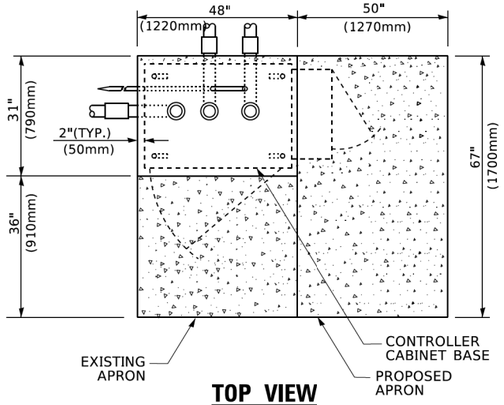
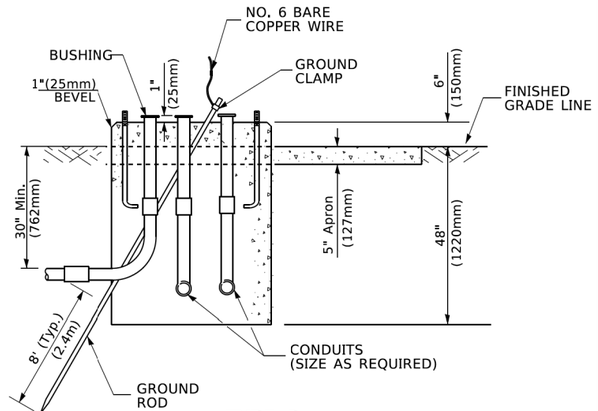
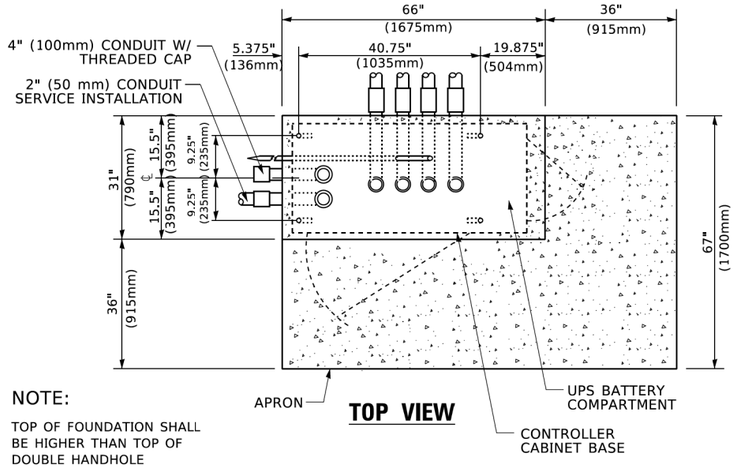


TOP VIEW



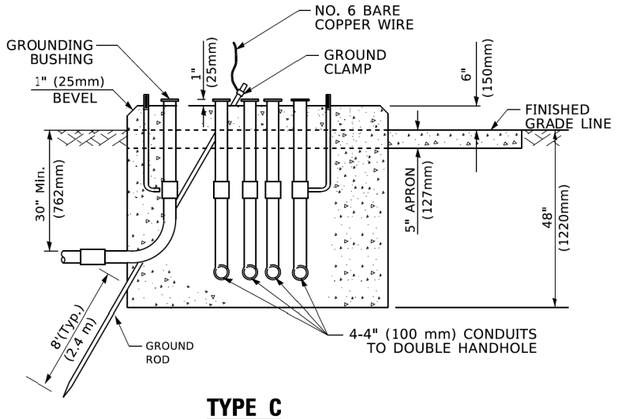
TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET



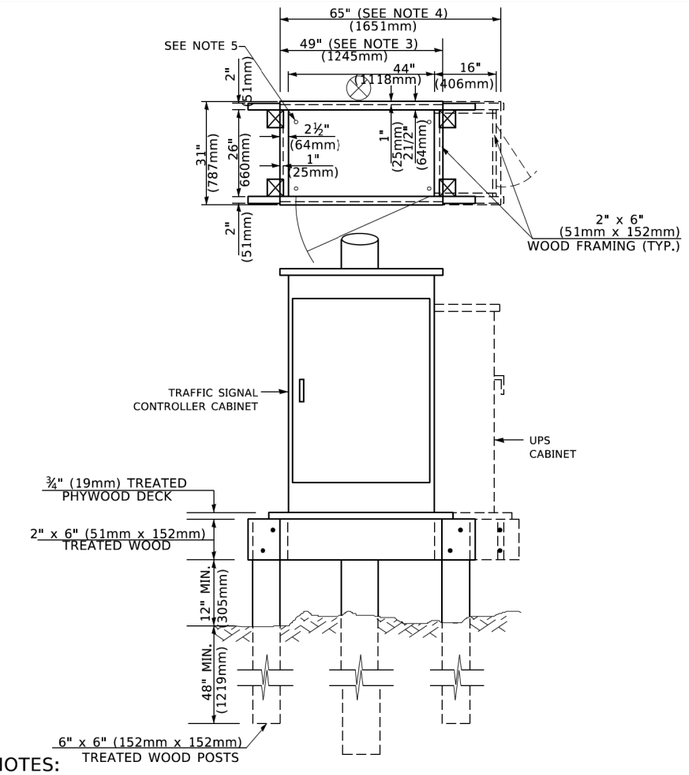
NOTE:

TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE

TOP VIEW



TYPE C
FOR GROUND MOUNTED
SUPER P (TYPE IV) AND SUPER R (TYPE V)
CONTROLLER CABINETS



NOTES:

1. BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED
2. BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
5. DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION..

TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

CABLE SLACK

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

VERTICAL CABLE LENGTH

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

DEPTH OF FOUNDATION

Mast Arm Length	① Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 56' (16.8 m) and less than 65' (19.8 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

1. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (Qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & structures should be contacted for a revised design if other conditions are encountered.
2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations
4. For mast arm assemblies with dual arms refer to state standard 878001..

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 5 OF 7 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	21-00074-00-RS	COOK	62	44
	TS-05	CONTRACT NO. 61H77		
	ILLINOIS FED. AID PROJECT			

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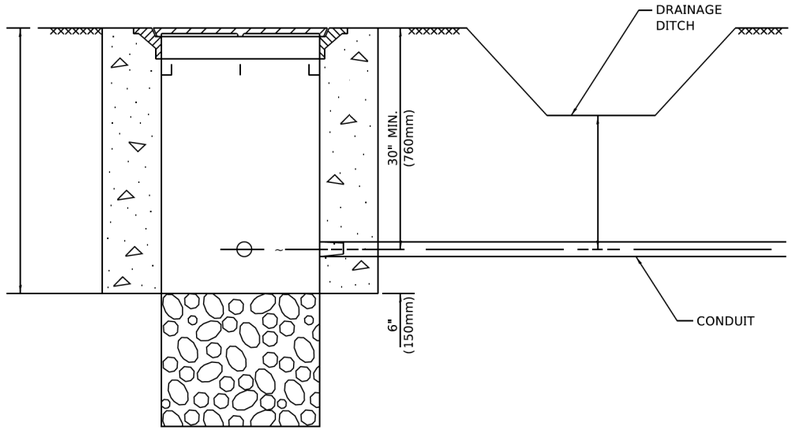
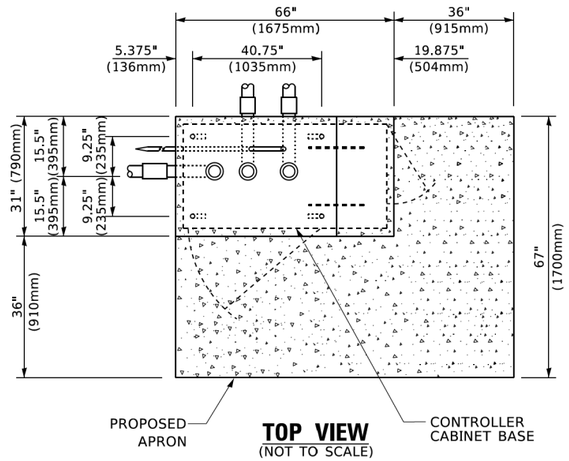


NOTES:

1. CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
2. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

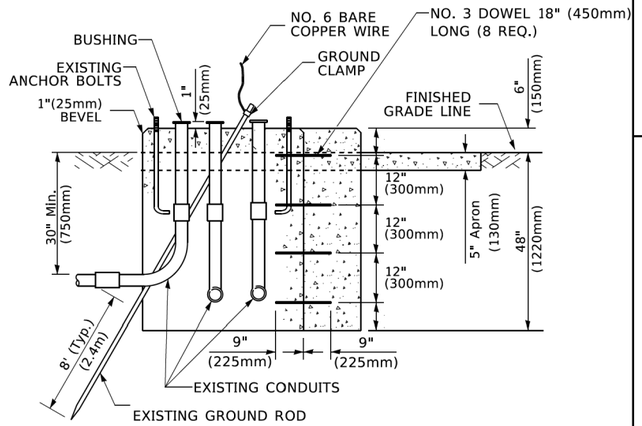
HANDHOLE WITH MINIMUM CONDUIT DEPTH

(NOT TO SCALE)



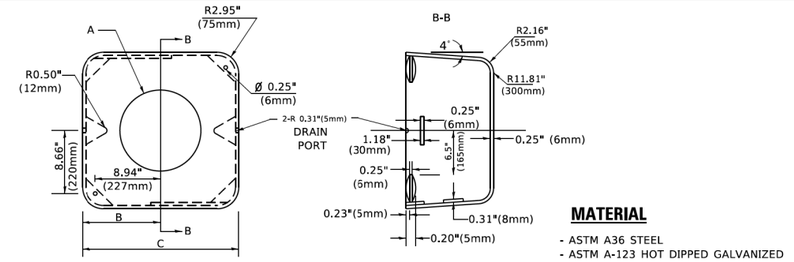
TOP VIEW

(NOT TO SCALE)



MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION

(NOT TO SCALE)



MATERIAL

- ASTM A36 STEEL
- ASTM A-123 HOT DIPPED GALVANIZED

A	B	C	HEIGHT	WEIGHT
VARIES	9.5"(241mm)	19"(483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
VARIES	10.75"(273mm)	21.5"(546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIES	13.0"(330mm)	26"(660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIES	18.5"(470mm)	37"(940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)

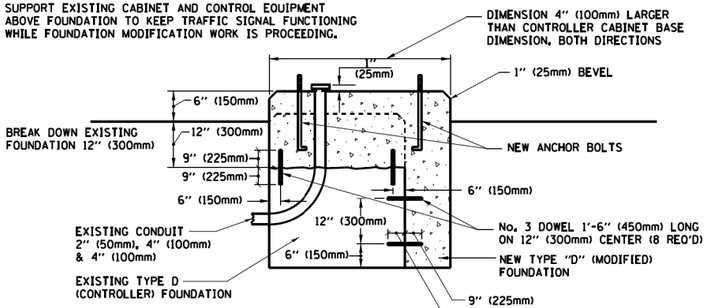
SHROUD

NOTES:

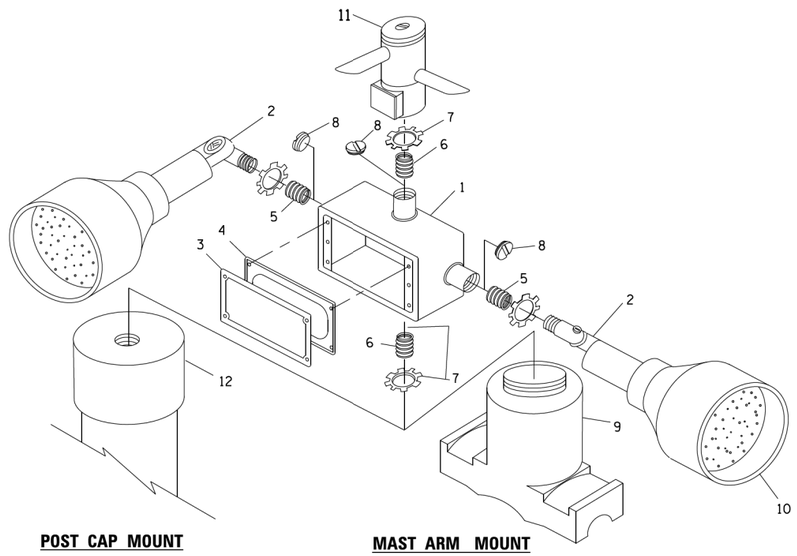
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



MODIFY EXISTING TYPE "D" FOUNDATION



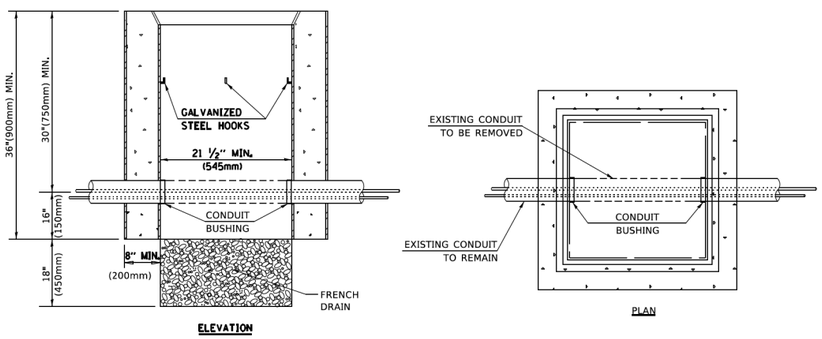
ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	¾"(19 mm) CLOSE NIPPLE
7	¾"(19 mm) LOCKNUT
8	¾"(19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ~~ITEM #1- OZ/GEDNEY PSX-1-50 OR EQUIVALENT~~
   ~~ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT~~
   ~~ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT~~
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4 "(19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.

POST CAP MOUNT MAST ARM MOUNT

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL



ELEVATION PLAN

NOTES:

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT

USER NAME = footemj	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/4/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

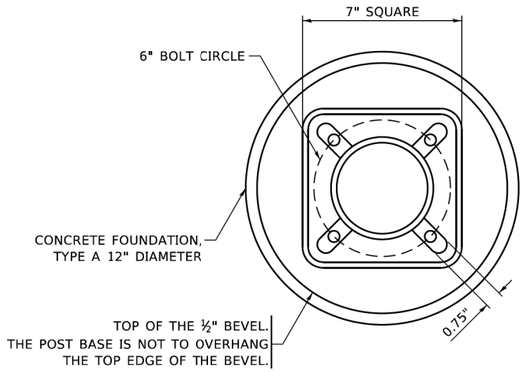
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 6 OF 7 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	21-00074-00-RS	COOK	62	45
	TS-05	CONTRACT NO. 61H77		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
FILE NAME: pw:\\IL084EBIDNTEC.Illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\D1ts15t022x34\CADData\CADsheets\ts05.dgn

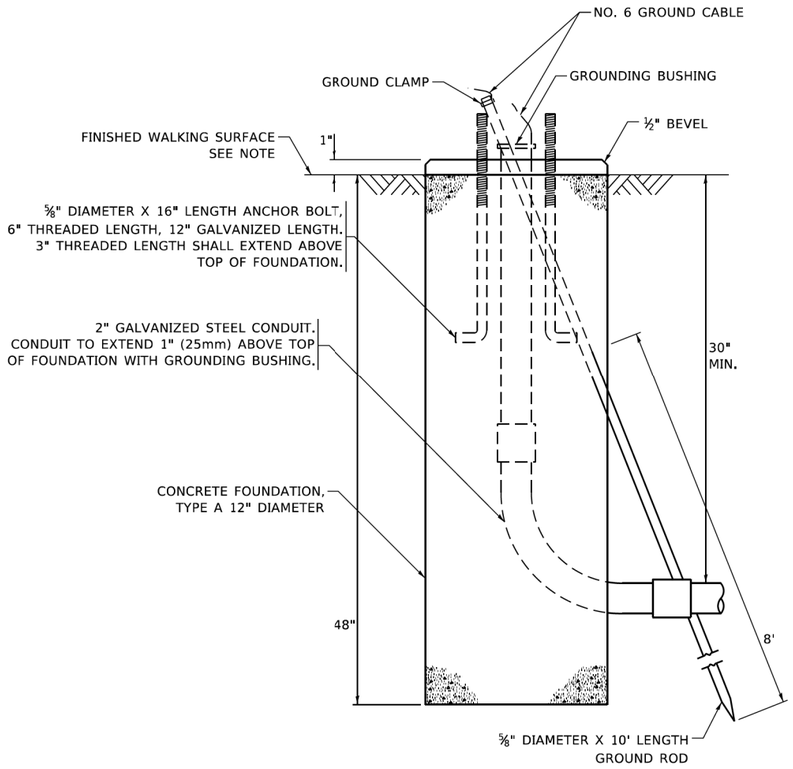
ts05.dgn 3/4/2019 11:23:51 AM | jwcfootemj



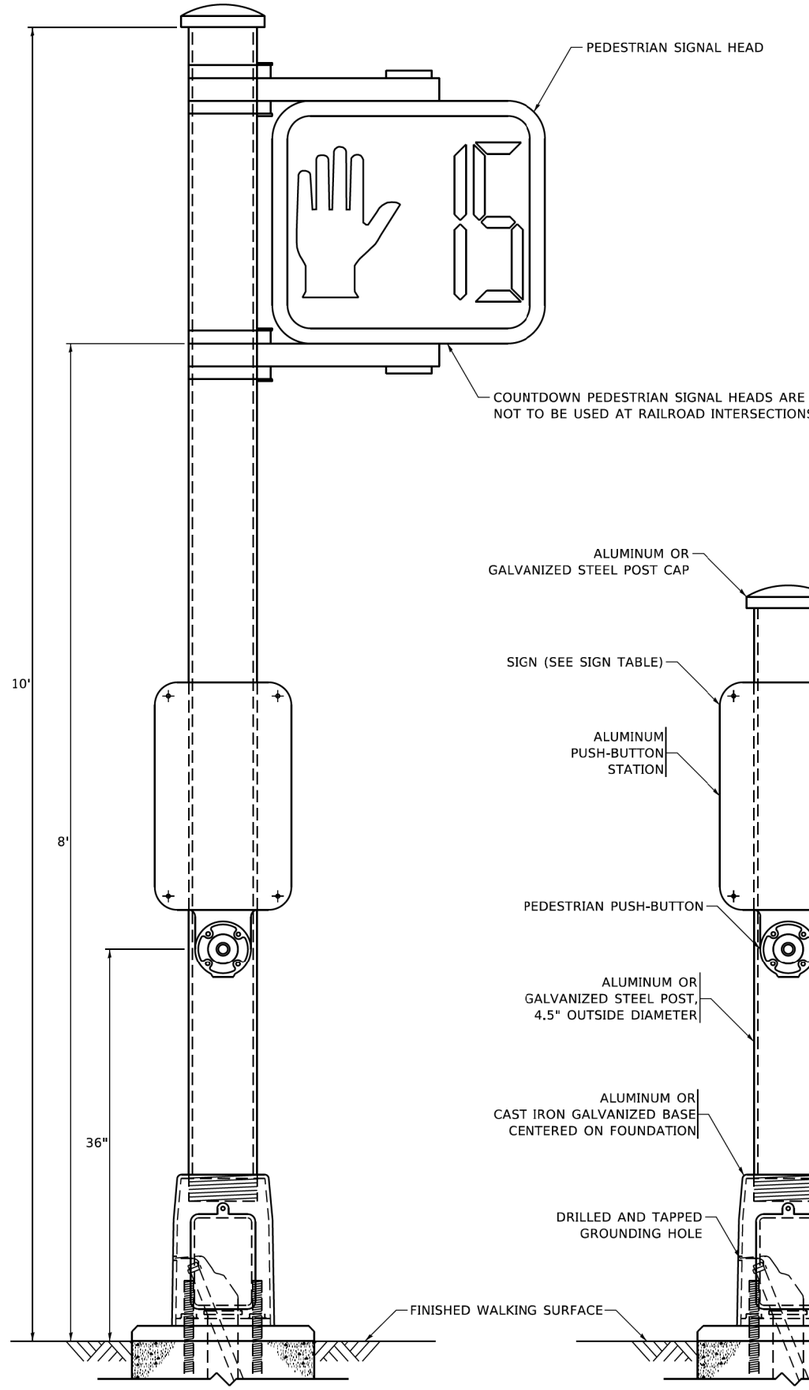
BOLT PATTERN

NOTE:

1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.



CONCRETE FOUNDATION, TYPE A 12–INCH DIAMETER

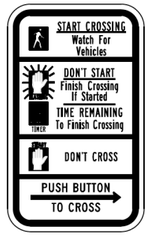


PEDESTRIAN SIGNAL POST, 10 FT.

PEDESTRIAN SIGNAL POST, 5 FT.

R10–3b

R10–3d



R10–3e

SIGN TABLE

SIGN	DIMENSIONS
R10-3b (RAILROAD ONLY)	9" X 12"
R10-3d (RAILROAD ONLY)	9" X 12"
R10-3e	9" X 12"

NOTES:

1. THE SIGN PANELS SHALL BE TYPE AP SHEETING.
2. THE ARROW ON SIGNS FOR PUSH-BUTTONS SERVING TWO DIRECTIONS ON THE SAME PHASE SHALL BE BI-DIRECTIONAL.
3. THE SIGN FOR DUAL-CALL PUSH-BUTTONS SHALL HAVE NO ARROW.

USER NAME = gaglianobt	DESIGNED - IP	REVISED - 10-15-2020	
	DRAWN - IP	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - LP	REVISED -	
PLOT DATE = 11/23/2020	DATE - 10-15-2018	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

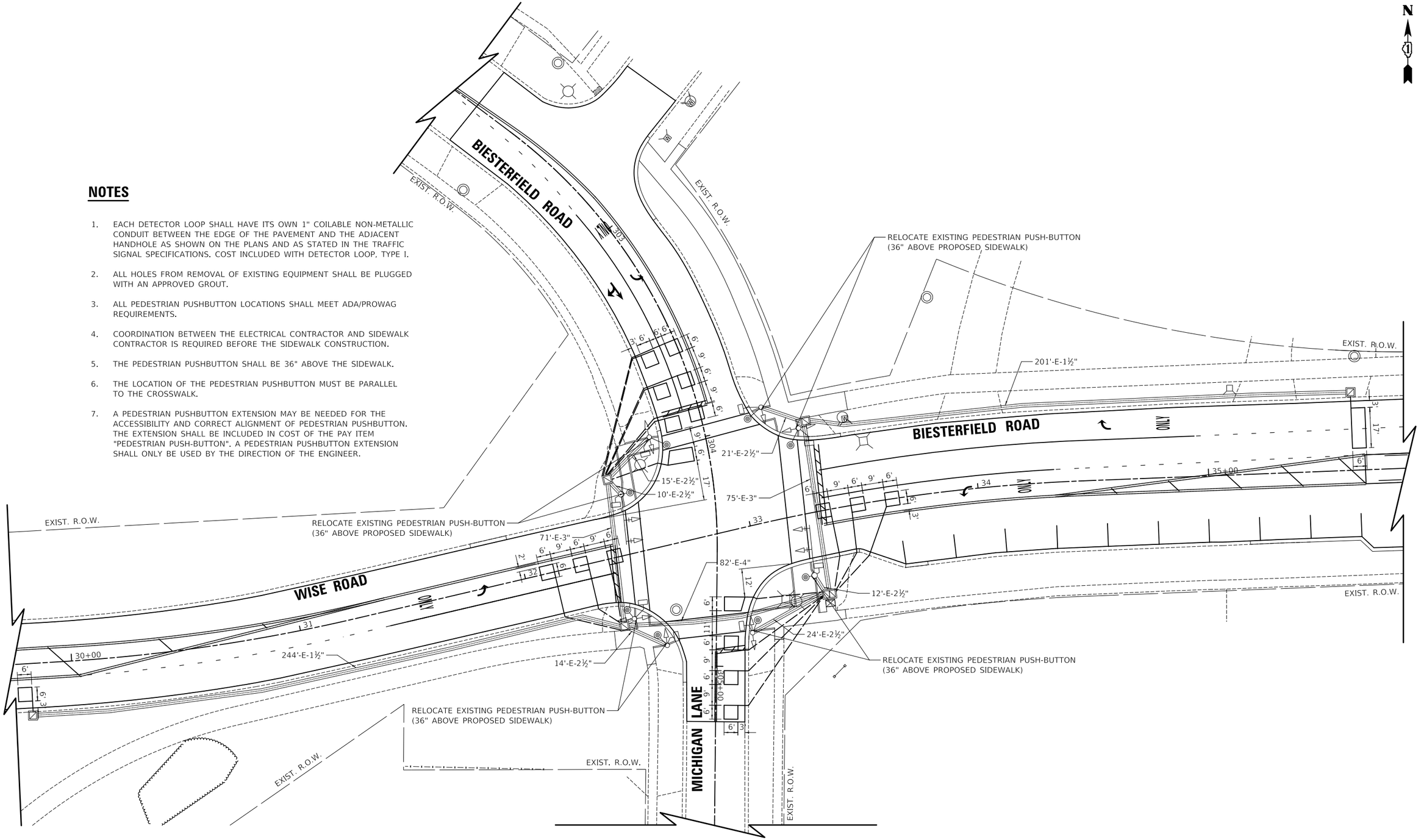
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 7 OF 7 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	21-00074-00-RS	COOK	62	46
	TS–05	CONTRACT NO. 61H77		
		ILLINOIS	FED. AID PROJECT	

NOTES

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF THE PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS. COST INCLUDED WITH DETECTOR LOOP, TYPE I.
2. ALL HOLES FROM REMOVAL OF EXISTING EQUIPMENT SHALL BE PLUGGED WITH AN APPROVED GROUT.
3. ALL PEDESTRIAN PUSHBUTTON LOCATIONS SHALL MEET ADA/PROWAG REQUIREMENTS.
4. COORDINATION BETWEEN THE ELECTRICAL CONTRACTOR AND SIDEWALK CONTRACTOR IS REQUIRED BEFORE THE SIDEWALK CONSTRUCTION.
5. THE PEDESTRIAN PUSHBUTTON SHALL BE 36" ABOVE THE SIDEWALK.
6. THE LOCATION OF THE PEDESTRIAN PUSHBUTTON MUST BE PARALLEL TO THE CROSSWALK.
7. A PEDESTRIAN PUSHBUTTON EXTENSION MAY BE NEEDED FOR THE ACCESSIBILITY AND CORRECT ALIGNMENT OF PEDESTRIAN PUSHBUTTON. THE EXTENSION SHALL BE INCLUDED IN COST OF THE PAY ITEM "PEDESTRIAN PUSH-BUTTON". A PEDESTRIAN PUSHBUTTON EXTENSION SHALL ONLY BE USED BY THE DIRECTION OF THE ENGINEER.



0 20 40 60
SCALE IN FEET

WISE ROAD / BIESTERFIELD ROAD

USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 4/1/2022	DATE - 03/16/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BIESTERFIELD ROAD / WISE ROAD / MICHIGAN LANE
TRAFFIC SIGNAL IMPROVEMENTS

SCALE: 1" = 20' | SHEET 1 OF 1 SHEETS

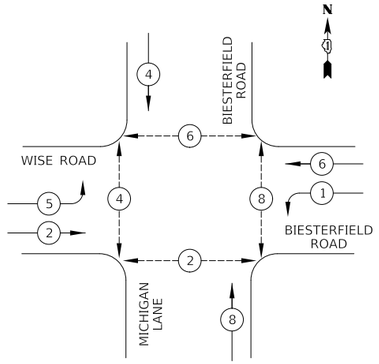
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	21-00074-00-RS	COOK	62	47
		CONTRACT NO. 61H77		
	ILLINOIS			

PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

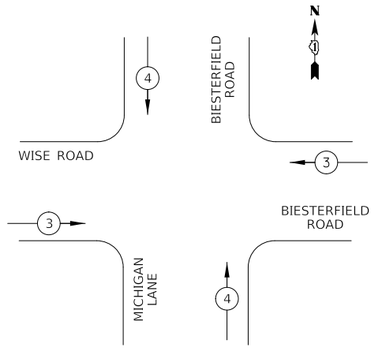
PROFILE: SURVEYED, PLOTTED, PROFILE CHECKED, B.M. NOTED, STRUCTURE NOTATNS CHKD, NOTE BOOK, NO., BY, DATE

MODEL: $MODELNAME$
FILE NAME: ...\3585_Biesterfield_Michigan_Signal Plan

EXISTING AND PROPOSED CONTROLLER SEQUENCE



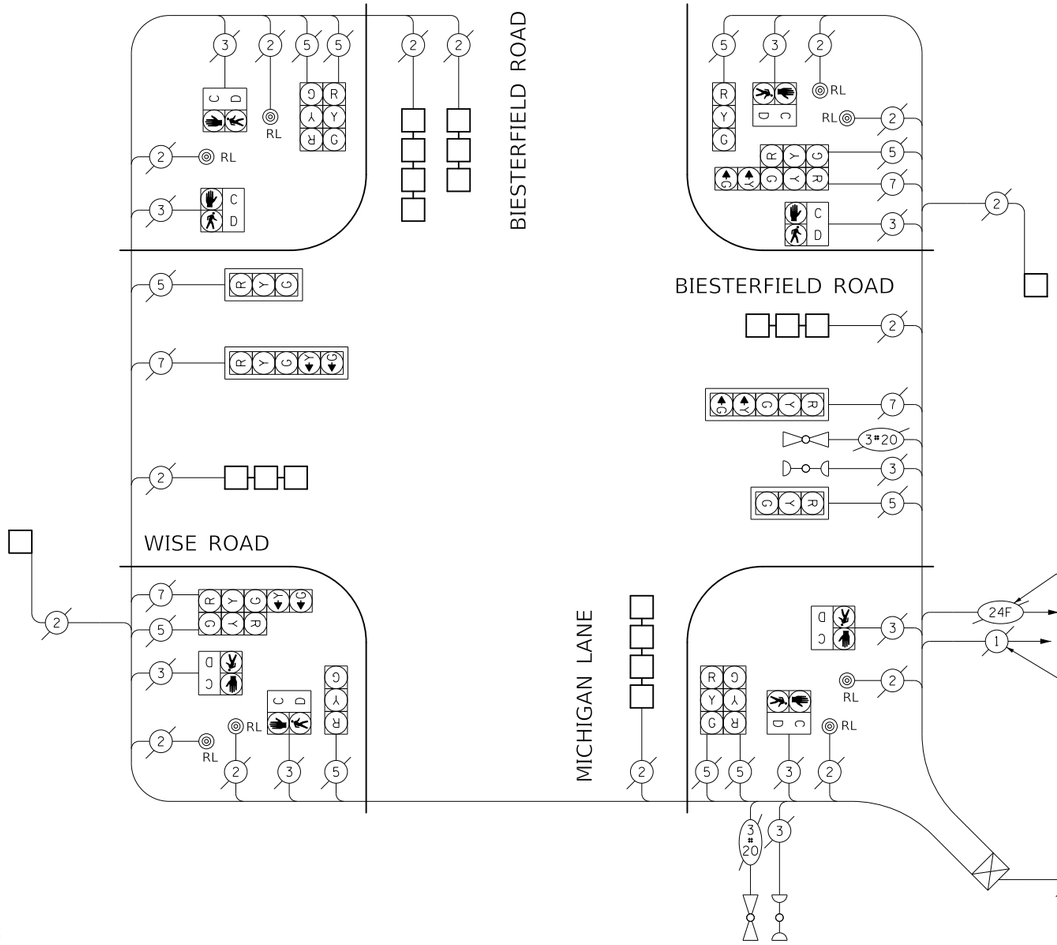
EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	← →	↓ ↑

LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL — OVERLAP



CABLE PLAN

(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	14	11	50	77.0
(YELLOW)	14	20	5	14.0
(GREEN)	14	12	45	75.6
PERMISSIVE ARROW	8	10	10	8.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	-	25	100	-
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
ENERGY COSTS TO:			TOTAL =	434.6

VILLAGE OF ELK GROVE VILLAGE
ATTENTION: PUBLIC WORKS
901 WELLINGTON AVENUE
ELK GROVE VILLAGE, IL 60007

ENERGY SUPPLY: CONTACT: COM ED
PHONE: (866) 639-3532
COMPANY: COM ED
ACCOUNT NUMBER: ---

SCHEDULE OF QUANTITIES

PAY ITEM	UNIT	QNTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
DETECTOR LOOP, TYPE I	FOOT	672
RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	8

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, B.M. NOTED, STRUCTURE NO(TA)NS CHKD, NOTE BOOK, NO., BY, DATE

MODEL: \$MODELNAME\$
FILE NAME: ...\3585_Cable Plan_Michigan.dgn

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	DRAWN - JAT	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - DJK	REVISED -	
PLOT DATE = 4/1/2022	DATE - 03/16/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES
WISE ROAD / BIESTERFIELD ROAD AT MICHIGAN LANE

SCALE: 1" = 20' | SHEET 1 OF 1 SHEETS

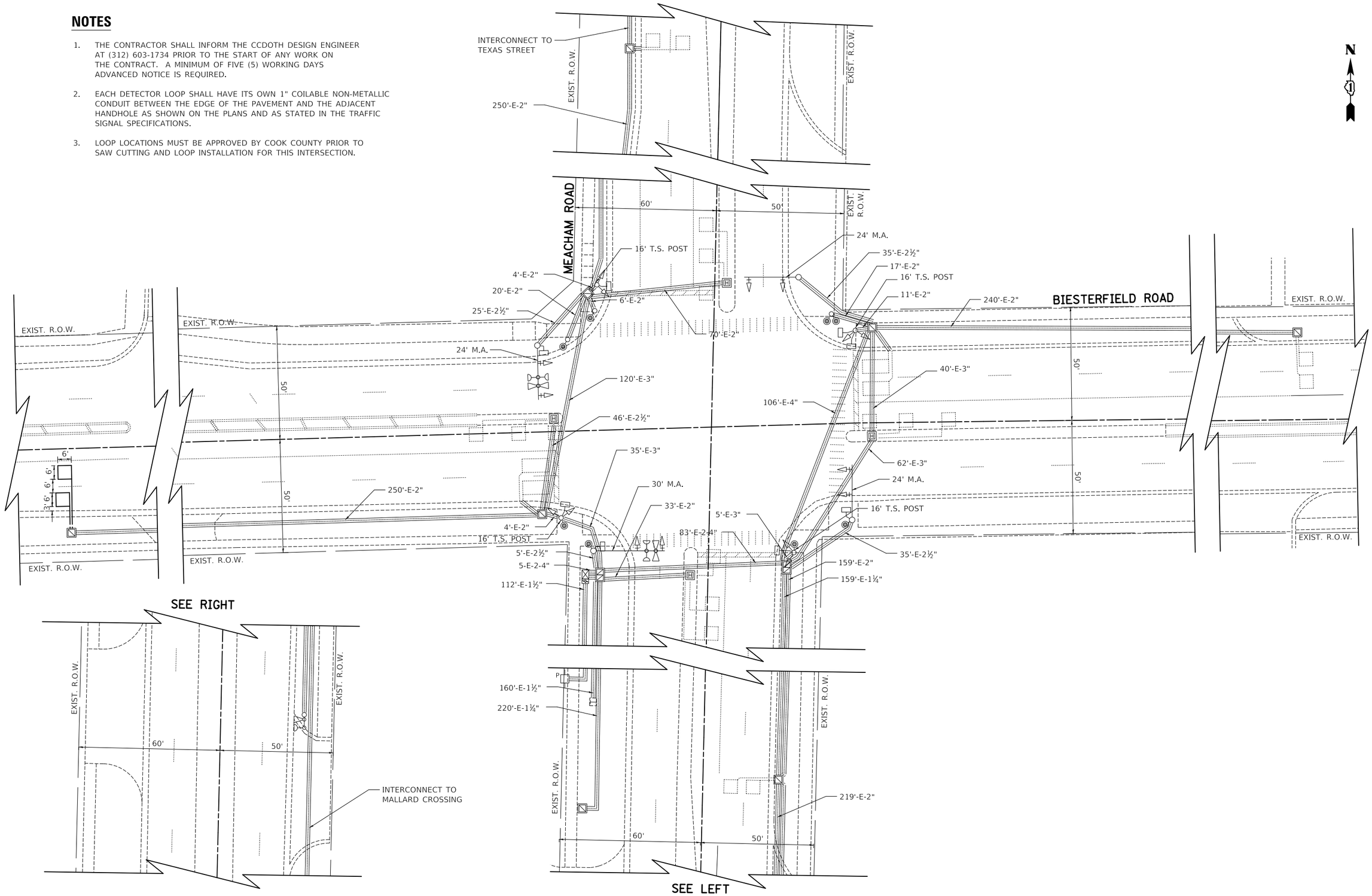
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	21-00074-00-RS	COOK	62	48
		CONTRACT NO. 61H77		
	ILLINOIS			

NOTES

1. THE CONTRACTOR SHALL INFORM THE CCDOTH DESIGN ENGINEER AT (312) 603-1734 PRIOR TO THE START OF ANY WORK ON THE CONTRACT. A MINIMUM OF FIVE (5) WORKING DAYS ADVANCED NOTICE IS REQUIRED.

2. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF THE PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.

3. LOOP LOCATIONS MUST BE APPROVED BY COOK COUNTY PRIOR TO SAW CUTTING AND LOOP INSTALLATION FOR THIS INTERSECTION.



PLAN
SURVEYED ____ BY
PLOTTED ____ DATE
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME ____
NOTE BOOK ____
NO. ____

PROFILE
SURVEYED ____
PLOTTED ____
GRADES CHECKED
S.M. NOTED
STRUCTURE NOTATIONS CHKD
NOTE BOOK ____
NO. ____

MODEL: \MODELNAME\
FILE NAME: ...\3585_Signal Plan_Meacham_Biest_Intersection.dgn

USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 4/1/2022	DATE - 03/16/2022	REVISED -

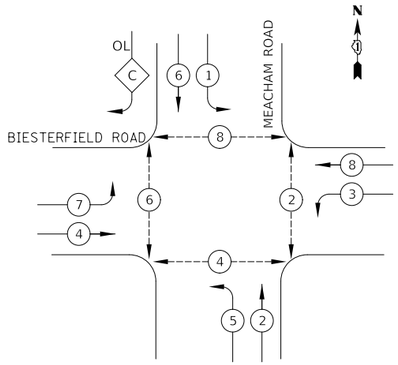
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
BIESTERFIELD ROAD AT MEACHAM ROAD

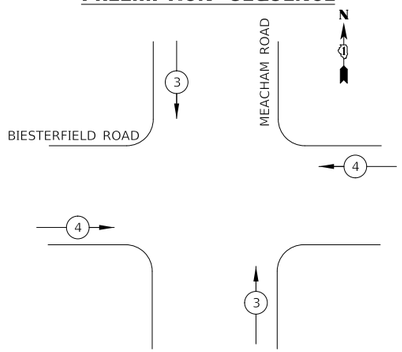
SCALE: 1" = 20' | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	21-00074-00-RS	COOK	62	49
		CONTRACT NO. 61H77		
	ILLINOIS			

EXISTING AND PROPOSED CONTROLLER SEQUENCE



EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	↓ ↑	← →

LEGEND:

- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- PEDESTRIAN PHASE
- OVERLAP (OL)

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
C	=	6	+	7

LOCATION: MEACHAM ROAD AND BIESTERFIELD ROAD COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAYS TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				
TYPE	NO. LAMPS	WATTAGE	% OPERATION	TOTAL
CONTROLLER	1	100	1.00	100.00
VEHICLE DET.	16	5	1.00	80.00
PED. SIGNAL	8	25	1.00	200.00
12" SIGNAL (RED)	16	17	0.50	136.00
(YELLOW)	16	25	0.05	20.00
(GREEN)	16	15	0.45	108.00
(ARROW)	20	12	0.10	24.00
ILLUMINATED LED STREET NAME 8'	4	144	0.40	230.40
			TOTAL =	898.40

ENERGY COST TO:

COOK COUNTY BUREAU OF ADMINISTRATION
118 N. CLARK STREET, ROOM 801
CHICAGO, IL 60602
TOWER ACCOUNT NO. -

VILLAGE OF ELK GROVE VILLAGE
ATTENTION: PUBLIC WORKS
901 WELLINGTON AVENUE
ELK GROVE VILLAGE, IL 60007

ENERGY SUPPLY CONTACT: COM ED
PHONE: (866) 639-3532
COMPANY: COM ED

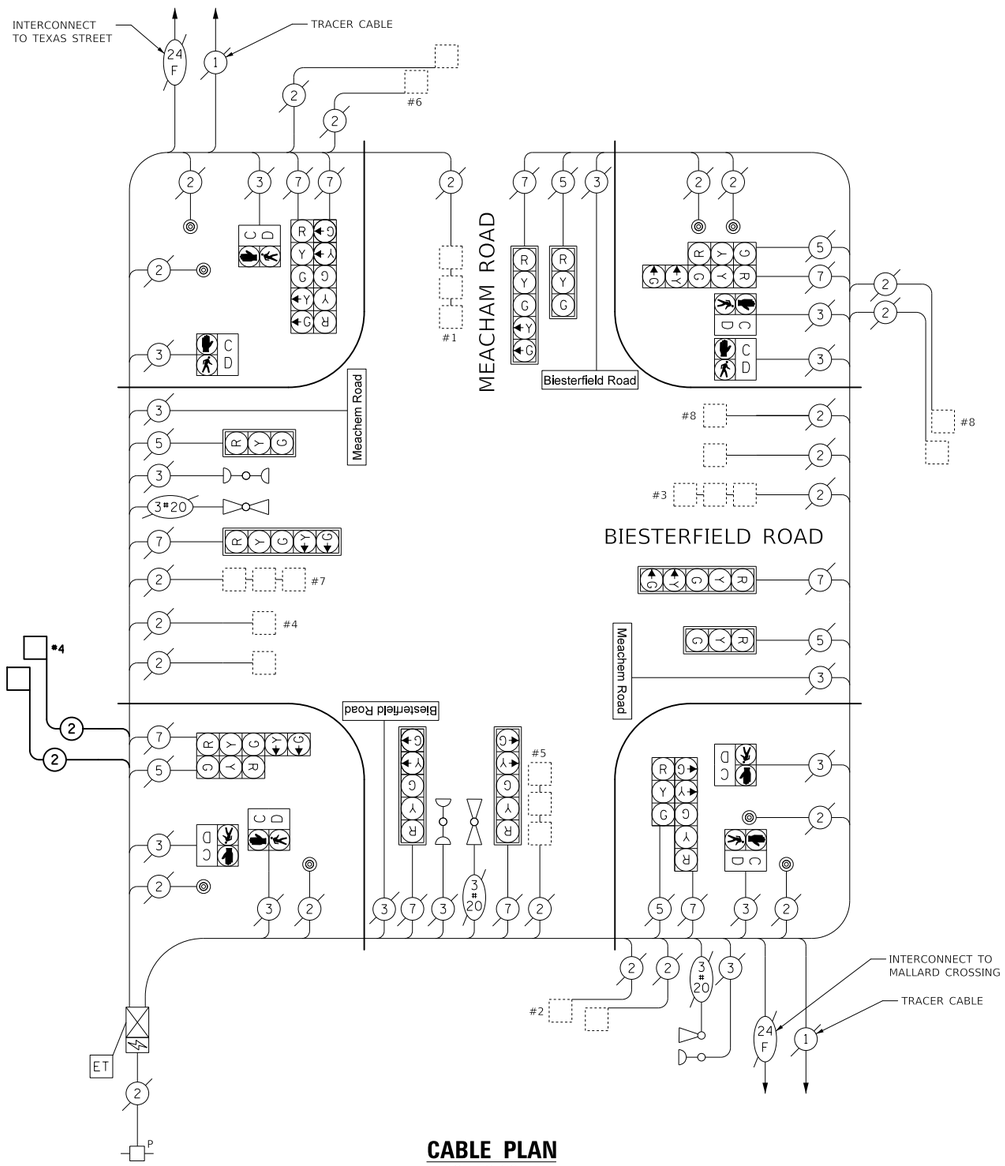
ENERGY COST SHARE:

COOK COUNTY: 50%

ELK GROVE VILLAGE: 50%

SCHEDULE OF QUANTITIES

PAY ITEM	UNIT	QNTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
DETECTOR LOOP, TYPE I	FOOT	64
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	635
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	635



CABLE PLAN

(NOT TO SCALE)

PLAN / PROFILE — SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE, CROSS SECTIONS CHECKED, B.M. NOTED, STRUCTURE NO.&TYPE CHKD

MODEL: SMODELNAME5
FILE NAME: ...\3385_Cable Plan_Meacham_Road.dgn

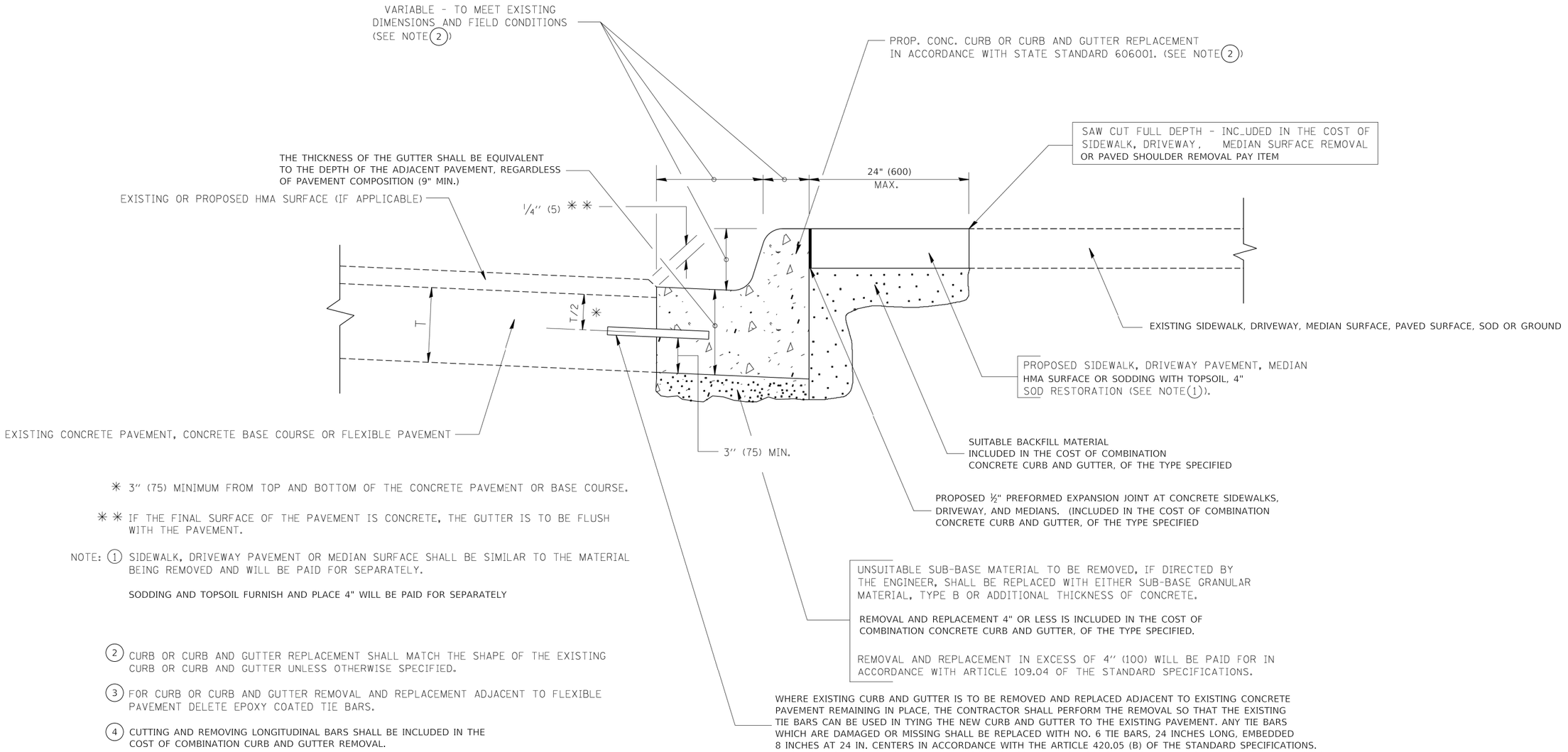
USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 4/1/2022	DATE - 03/16/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES
BIESTERFIELD ROAD AT MEACHAM ROAD

SCALE: N.T.S | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	21-00074-00-RS	COOK	62	50
		CONTRACT NO. 61H77		
	ILLINOIS			



* 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) CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.

(3) FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.

(4) CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF COMBINATION CURB AND GUTTER REMOVAL.

(5) 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.

(6) 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.

(7) 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.

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

CURB AND GUTTER REMOVAL AND REPLACEMENT DETAIL

PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, B.M. NOTED, STRUCTURE NOTATNS CHKD, NOTE BOOK, NO., BY, DATE

MODEL: SMODELNAMES
FILE NAME: ...\17-Details\s3585_Details

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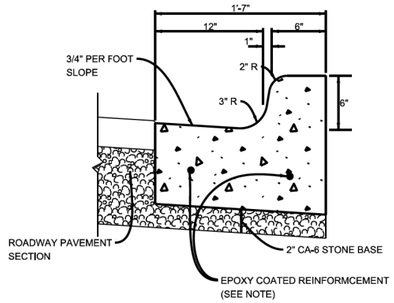
	DRAWN - JAT	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - DJK	REVISED -	
PLOT DATE = 4/1/2022	DATE - 03/16/2022	REVISED -	

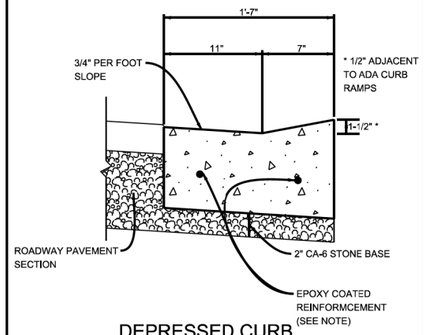
CONSTRUCTION DETAILS

SHEET 1 OF 2 SHEETS

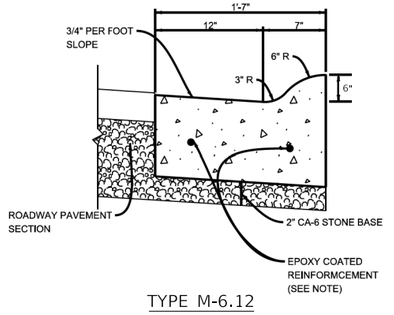
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	21-00074-00-RS	COOK	62	51
		CONTRACT NO. 61H77		
	ILLINOIS			



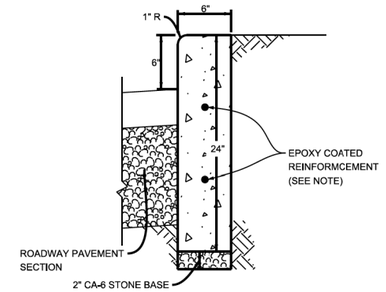
TYPE B-6.12



DEPRESSED CURB



TYPE M-6.12

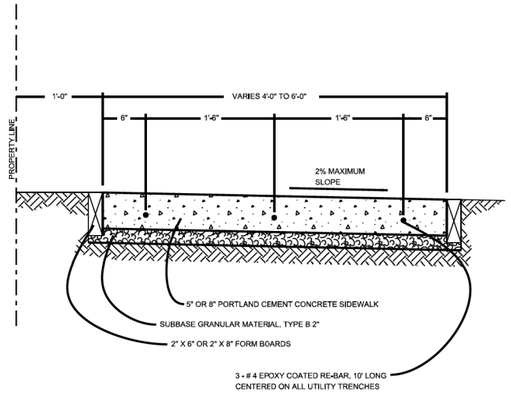


TYPE B-6

NOTE:

1. CURB AND GUTTER PATCHES LESS THAN 5 FEET SHALL HAVE 2 - #8 EPOXY COATED TIE BARS (18" LONG) DRILLED AND GROUTED TO THE EXISTING CURB AND GUTTER ON BOTH ENDS OF THE PATCH.
2. CURB AND GUTTER PATCHES GREATER THAN 5 FEET SHALL HAVE 2 - #8 EPOXY COATED TIE BARS (18" LONG) DRILLED AND GROUTED TO THE EXISTING CURB AND GUTTER ON BOTH ENDS OF THE PATCH, AND 2 - #4 CONTINOUS REBAR THROUGH OUT THE LENGTH OF THE PATCH (MINIMUM 6" OVELAP).
3. 2 - #8 EPOXY COATED DOWEL BARS (18" LONG), DRILLED AND GROUTED WITH EXPANSION CAPS, AND 1" FULL DEPTH & WIDTH PREFORMED EXPANSION JOINT FILLER REQUIRED AT EXPANSION JOINTS, 5' EITHER SIDE OF CURB STRUCTURES, OR AS DIRECTED BY THE ENGINEER.
4. ALL REINFORCEMENT SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER.
5. SEE THE SPECIFICATIONS FOR LANDSCAPE AND PAVEMENT RESTORATION.

CURB AND GUTTER DETAILS



NOTE:

1. PROVIDE 1/2" PREFORMED EXPANSION JOINT (FULL DEPTH) AT 50' INTERVALS AND ALONG ALL ABUTTING CONCRETE WORK.
2. ALL CURB SIDEWALK RAMPS SHALL MEET THE APPLICABLE IDOT STANDARDS 424001, 424006, 424011, 424016, OR 424021.
3. DETECTABLE WARNING PANELS SHALL BE ONE OF THE PRODUCTS SPECIFIED IN THE SPECIAL PROVISIONS AND SHALL BE INSTALLED PER THE APPLICABLE IDOT STANDARDS 424001, 424006, 424011, 424016, OR 424021.
4. SEE THE SPECIFICATIONS FOR LANDSCAPE AND PAVEMENT RESTORATION.
5. SIDEWALK THROUGH DRIVE ENTRANCES SHALL HAVE CONTRACTION JOINTS ON 4-FOOT CENTERS UNLESS OTHERWISE DIRECTED BY ENGINEER.

PCC SIDEWALK

VILLAGE OF ELK GROVE VILLAGE

NO.	REVISIONS	BY	DATE
1	REVISED		4/10/14
2	REVISED		5/3/17
3	REVISED		2/29/20

PCC DETAIL SHEET 01

DESIGNED BY: D.C.B.

DRAWN BY: D.C.B.

NTS

PCC - 01

SHEET NO.

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO.

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, B.M. NOTED, STRUCTURE NOTATNS CHKD, NOTE BOOK, NO.

MODEL: \$MODELNAME\$
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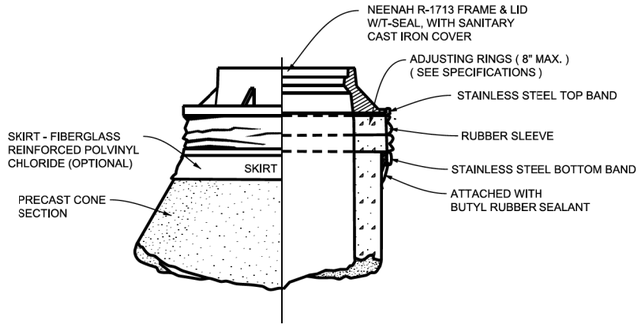
	DRAWN - JAT	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 4/1/2022	DATE - 03/16/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

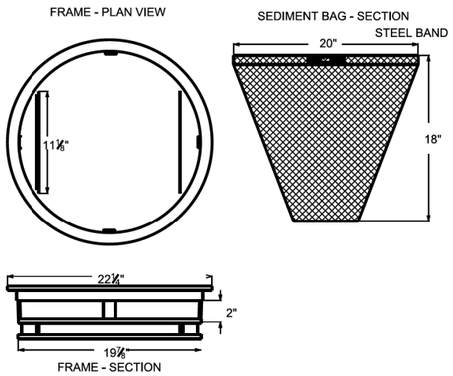
CONSTRUCTION DETAILS

SHEET 2 OF 2 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	21-00074-00-RS	COOK	62	52
		CONTRACT NO. 61H77		
	ILLINOIS			



CHIMNEY SEAL



NOTES:

1. FRAME: TOP FLANGE FABRICATED FROM 1 1/4 "X1 1/4 "X1/8" ANGLE. BASE RIM FABRICATED FROM 1 1/2 "X1/2"X1/8" CHANNEL. HANDLES AND SUSPENSION BRACKETS FABRICATED FROM 1 1/4 "X1/4" FLAT STOCK. ALL STEEL CONFORMING TO ASTM-A36.
2. SEDIMENT BAG: BAG FABRICATED FROM 4 OZ./ SQ.YD. NON-WOVEN POLYPROPYLENE GEOTEXTILE REINFORCED WITH POLYESTER MESH. BAG SECURED TO BASE RIM WITH A STAINLESS STEEL STRAP AND LOCK.
3. FILTER FOR OTHER SHAPE GRATES SHALL BE APPROVED IN ADVANCE OF PLACEMENT BY THE ENGINEER.

INLET BASKET FILTER

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

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
S.M. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE

MODEL: \$MODELNAME\$
FILE NAME: ...\17-Details\is3385_Details

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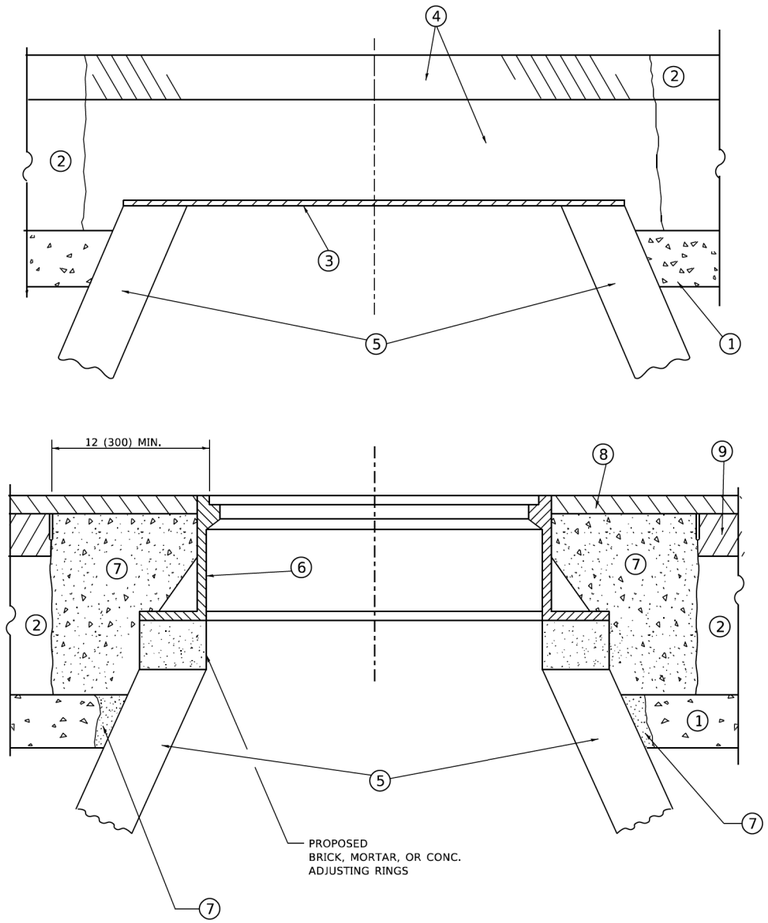
PLOT DATE = 4/1/2022	DATE - 03/16/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

SHEET 1 OF 2 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	21-00074-00-RS	COOK	62	53
		CONTRACT NO. 61H77		
	ILLINOIS			



DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

NOTES

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

DETAIL FOR FRAMES AND LIDS TO BE ADJUSTED, SPECIAL

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

PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, S.M. NOTED, STRUCTURE NOTATNS CHKD, NOTE BOOK, NO., BY, DATE

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PLOT DATE = 4/1/2022	DATE - 03/16/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

SHEET 2 OF 2 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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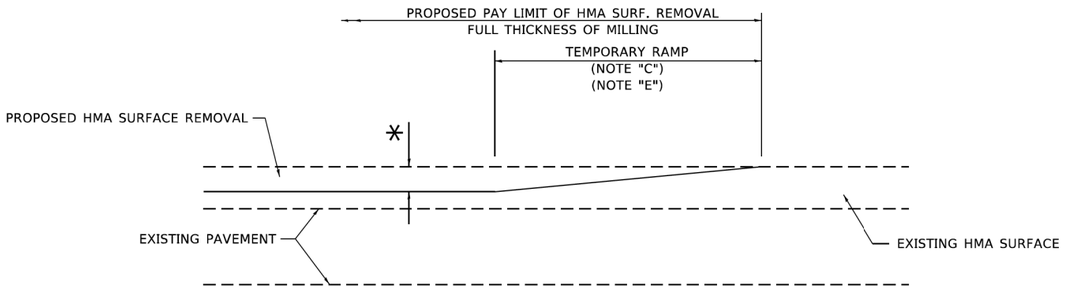
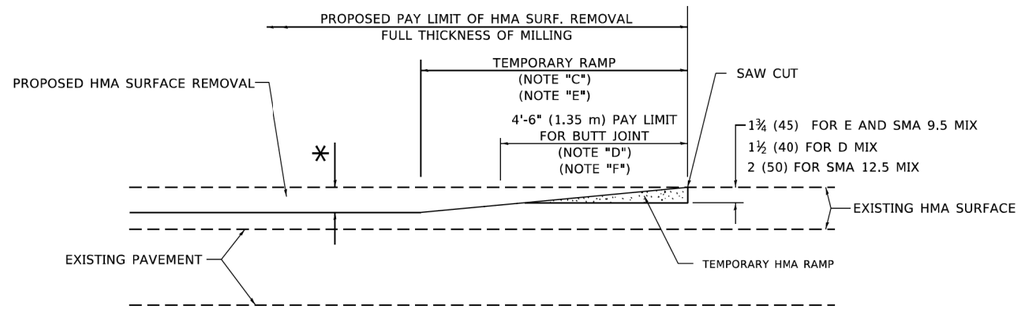
		CONTRACT NO. 61H77		
	ILLINOIS			



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

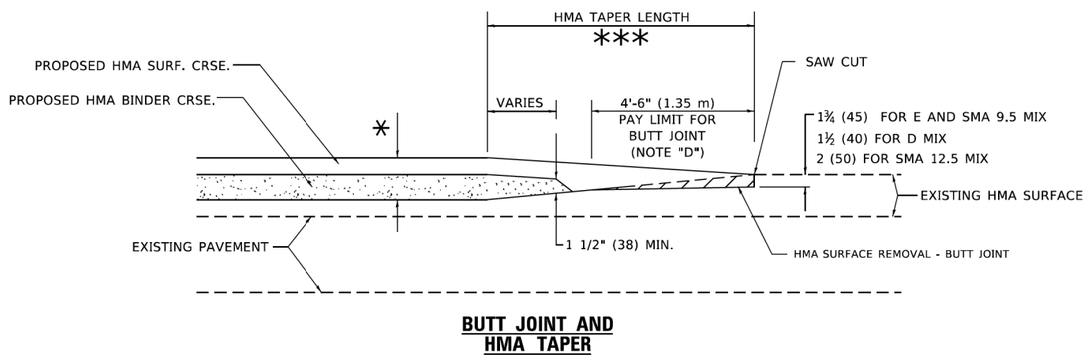


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

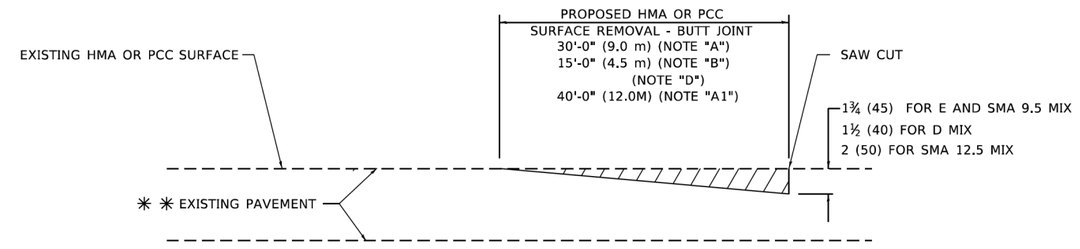
OPTION 2

TYPICAL TEMPORARY RAMP

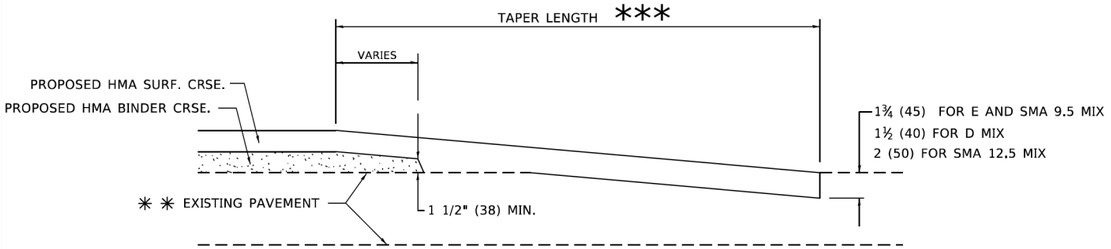


BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



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.

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	DRAWN -	REVISED - M. GOMEZ 04-06-01	
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PLOT DATE = 2/2/2022	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.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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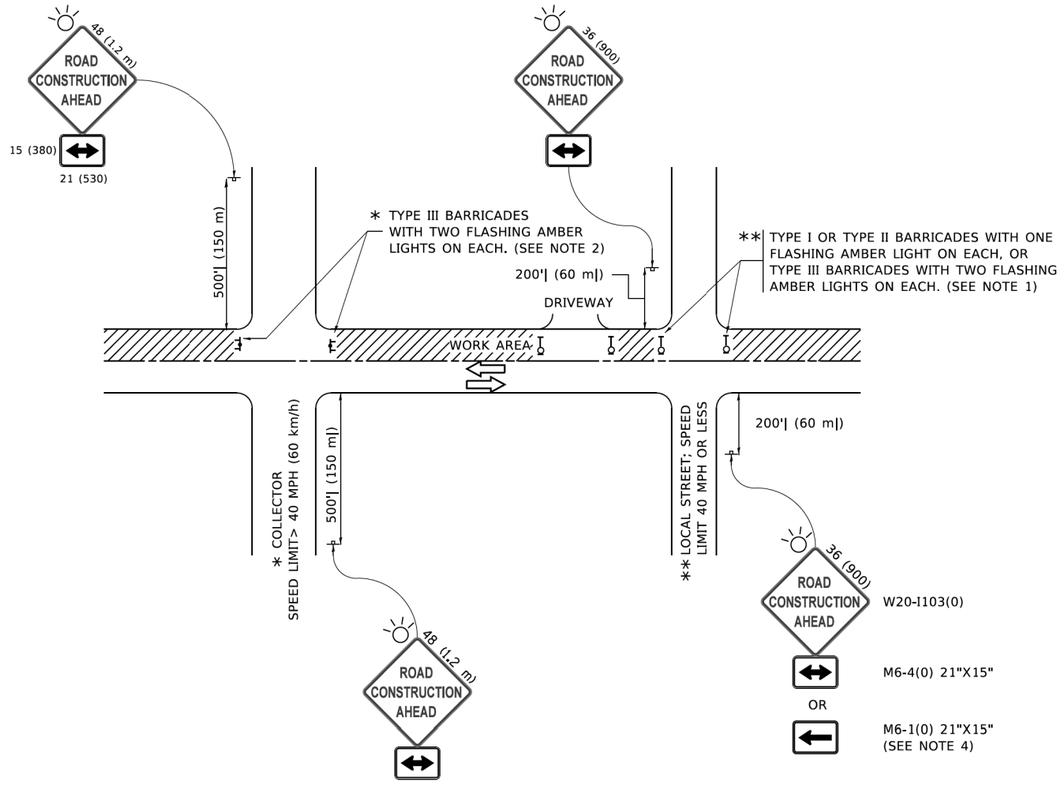
	BD400-05 BD-32	CONTRACT NO. 61H77		
	ILLINOIS FED. AID PROJECT			



NOTES:

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

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

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PLOT DATE = 3/4/2019	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	21-00074-00-RS	COOK	62	56
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	ILLINOIS FED. AID PROJECT			

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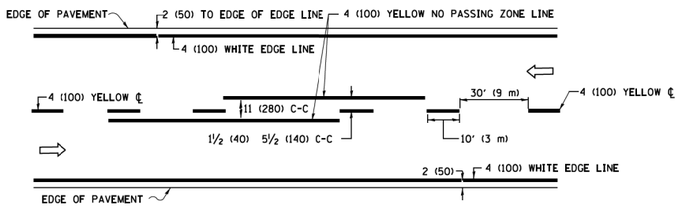
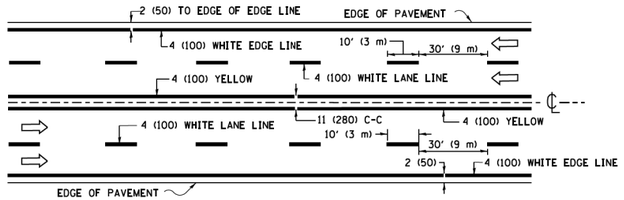
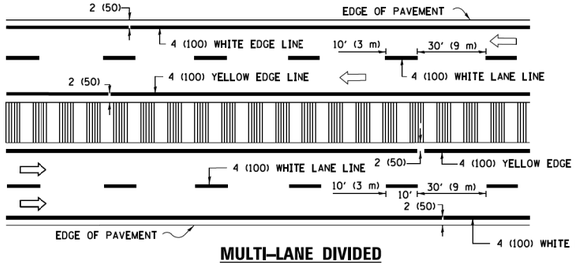


2–LANE ROADWAY

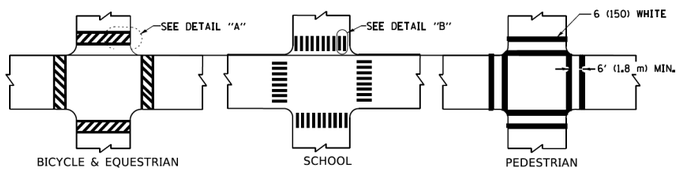


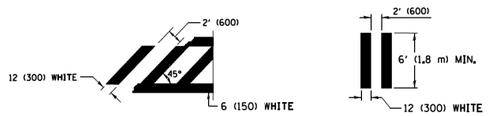
MULTI–LANE UNDIVIDED



MULTI–LANE DIVIDED
WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

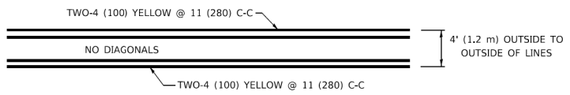




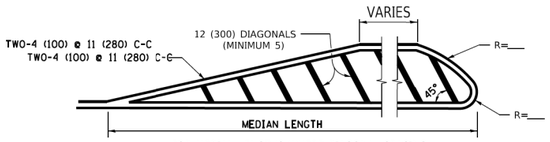
DETAIL "A" **DETAIL "B"**

TYPICAL CROSSWALK MARKING

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



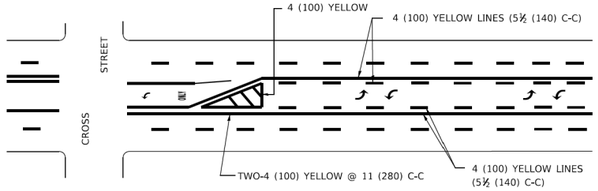
4' (1.2 m) WIDE MEDIANS ONLY



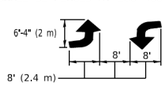
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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

MEDIANS OVER 4' (1.2 m) WIDE

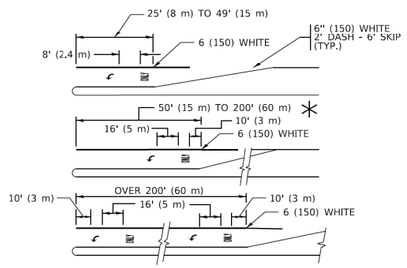


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO–WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

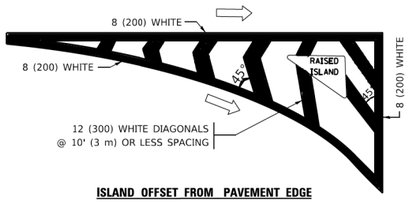


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) **ONLY** AREA = 20.8 SQ. FT. (1.9 m²)

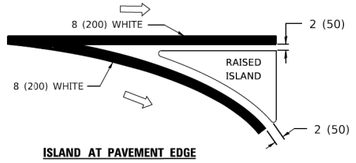
✱ TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

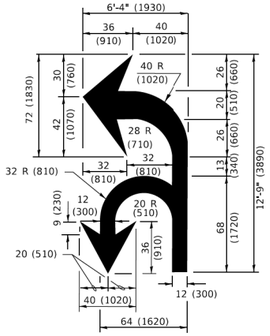


ISLAND OFFSET FROM PAVEMENT EDGE

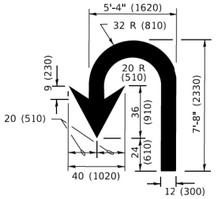


ISLAND AT PAVEMENT EDGE

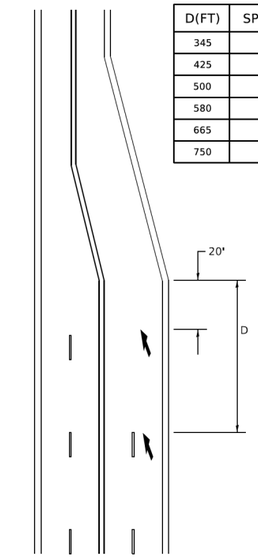
TYPICAL ISLAND MARKING



COMBINATION LEFT AND U–TURN



U–TURN



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

LANE REDUCTION TRANSITION

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m² EACH "X"=54.0 SQ. FT. (5.0 m²
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

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

MODEL: Default
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	DRAWN -	REVISED -	C. JUCIUS 07-01-13
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -	C. JUCIUS 12-21-15
PLOT DATE = 3/4/2019	DATE - 03-19-90	REVISED -	C. JUCIUS 04-12-16

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	21-00074-00-RS	COOK	62	57
	TC–13	CONTRACT NO. 61H77		
	ILLINOIS FED. AID PROJECT			

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

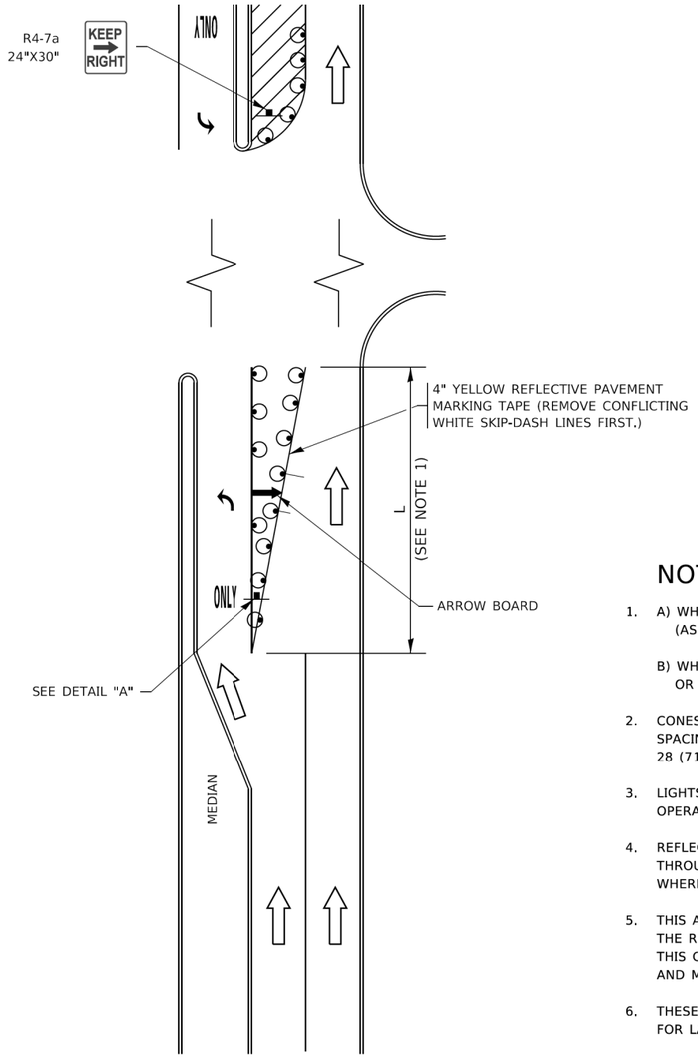


FIGURE 1

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-I100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PREQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

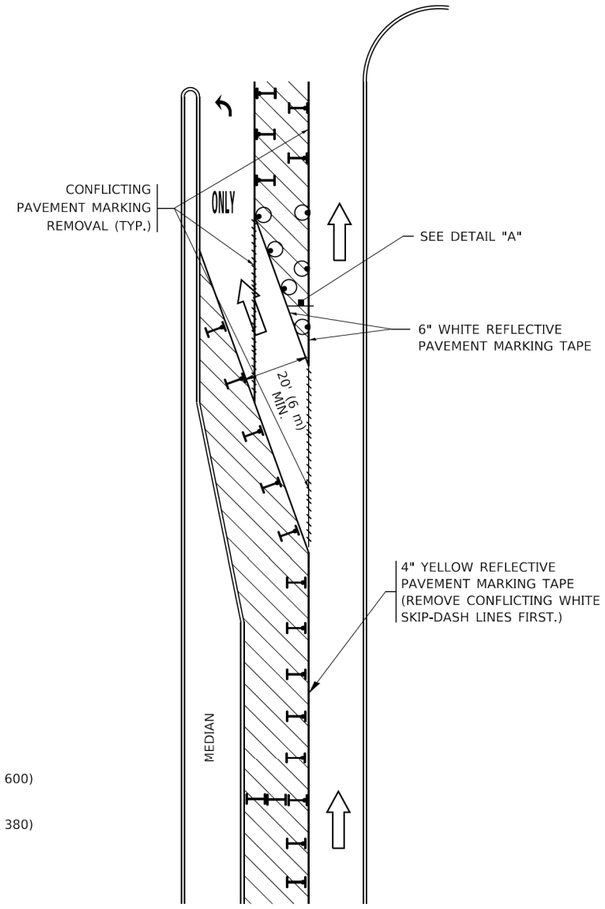
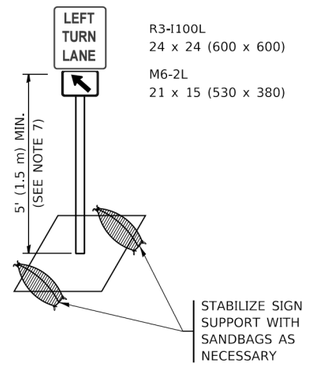


FIGURE 2



DETAIL A

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

MODEL: Default
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USER NAME = footemj	DESIGNED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	
	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13	
PLOT SCALE = 50.0000 ' / in.	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16	
PLOT DATE = 3/4/2019	DATE - T. RAMMACHER 01-06-00	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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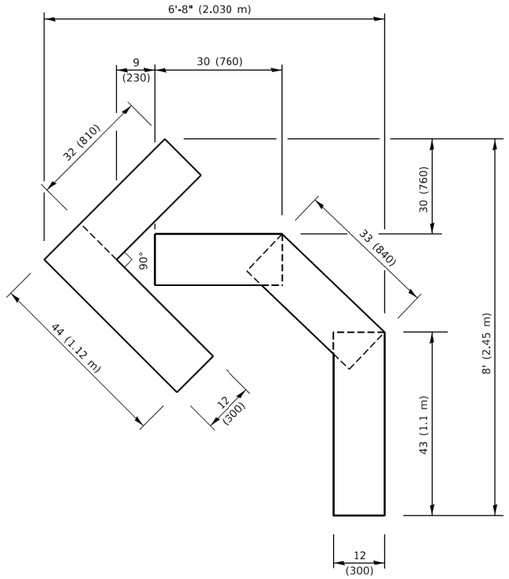
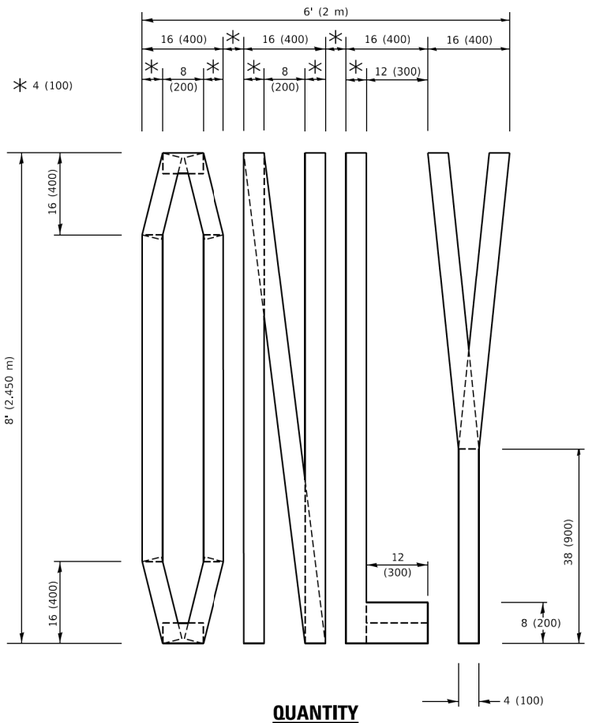
	TC-14	CONTRACT NO. 61H77		
	ILLINOIS	FED. AID PROJECT		



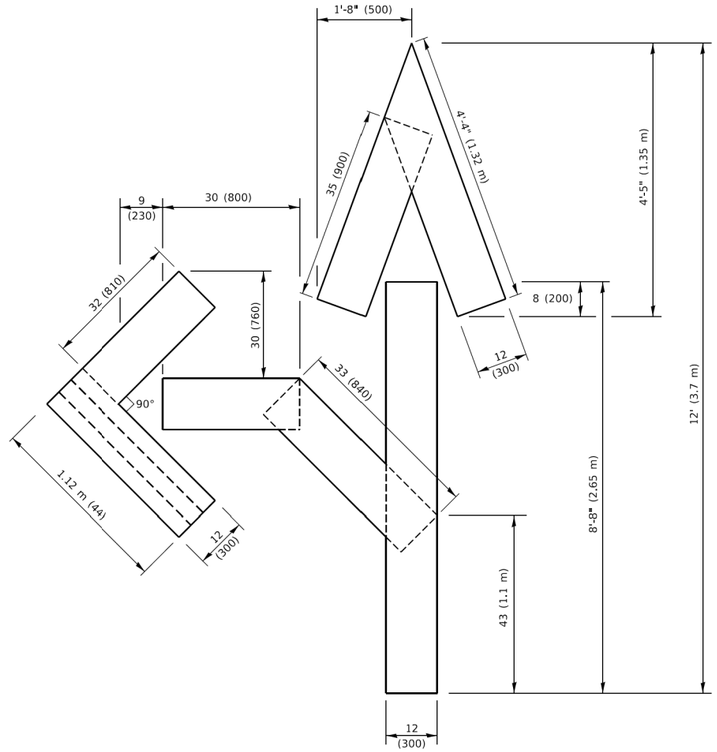
QUANTITY

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



QUANTITY

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

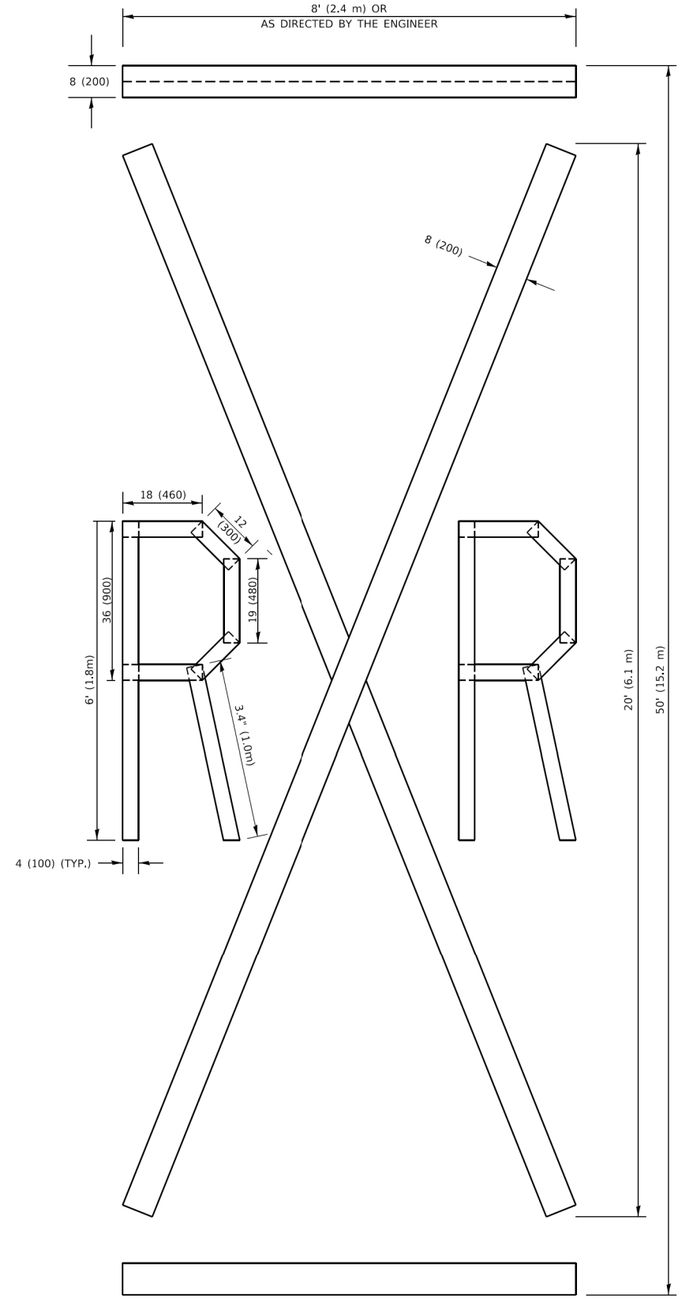


QUANTITY

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

NOTE:

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



QUANTITY

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

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

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	DRAWN -	REVISED - E. GOMEZ 08-28-00	
PLOT SCALE = 50.0068 ' / in.	CHECKED -	REVISED - E. GOMEZ 08-28-00	
PLOT DATE = 3/4/2019	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16	

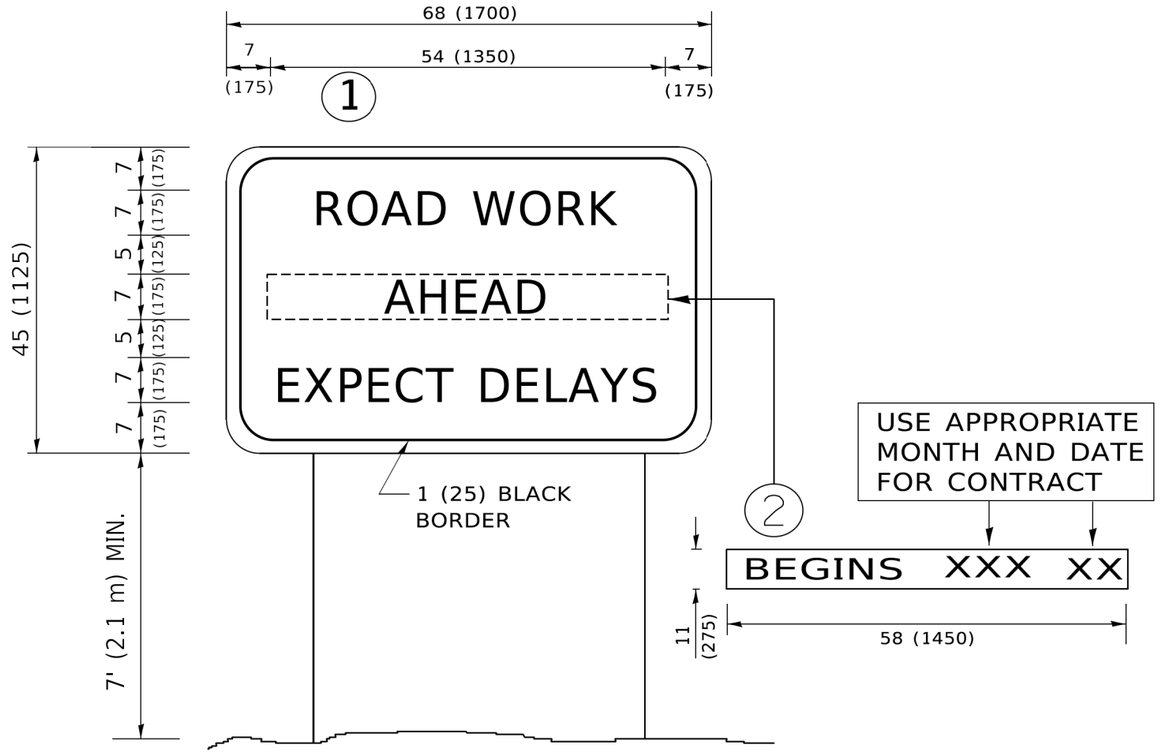
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	21-00074-00-RS	COOK	62	59
	TC-16	CONTRACT NO. 61H77		
	ILLINOIS FED. AID PROJECT			

tc16.dgn 3/4/2019 10:37:35 AM User:footemj



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.

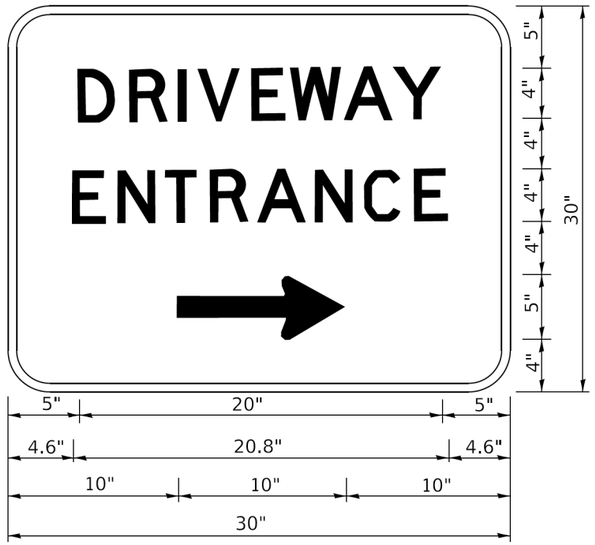
USER NAME = footemj	DESIGNED -	REVISED -	R. MIRS 09-15-97
	DRAWN -	REVISED -	R. MIRS 12-11-97
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -	T. RAMMACHER 02-02-99
PLOT DATE = 3/4/2019	DATE -	REVISED -	C. JUCIUS 01-31-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD INFORMATION SIGN

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	21-00074-00-RS	COOK	62	60
	TC-22	CONTRACT NO. 61H77		
	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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	DRAWN -	REVISED -	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/4/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY ENTRANCE SIGNING

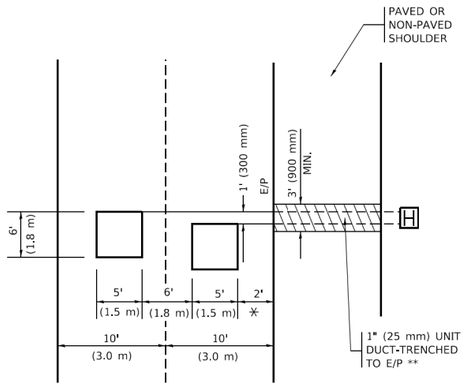
SCALE: NONE | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	21-00074-00-RS	COOK	62	61
	TC–26	CONTRACT NO. 61H77		
		ILLINOIS	FED. AID PROJECT	

tc26.dgn 3/4/2019 10:59:25 AM User:footemj

LOOPS NEXT TO SHOULDERS

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



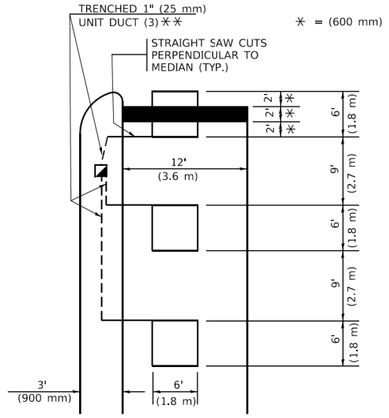
* = (600 mm)

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

LEFT TURN LANES WITH MEDIANS

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

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



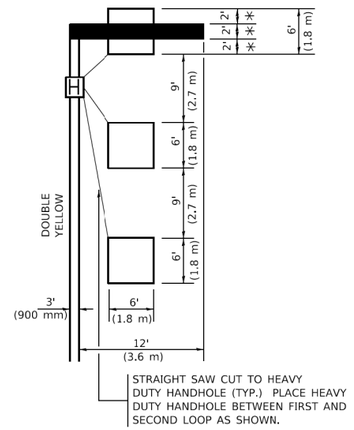
** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

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

LEFT TURN LANES WITHOUT MEDIANS

VOLUME DENSITY (''FAR OUT'' DETECTION) ON SAME APPROACH (PROTECTED / PERMITTED LEFT TURN PHASING)

* = (600 mm)



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

NOTES:

VEHICLES LOOP DETECTORS

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

PLACEMENT OF DETECTORS

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

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

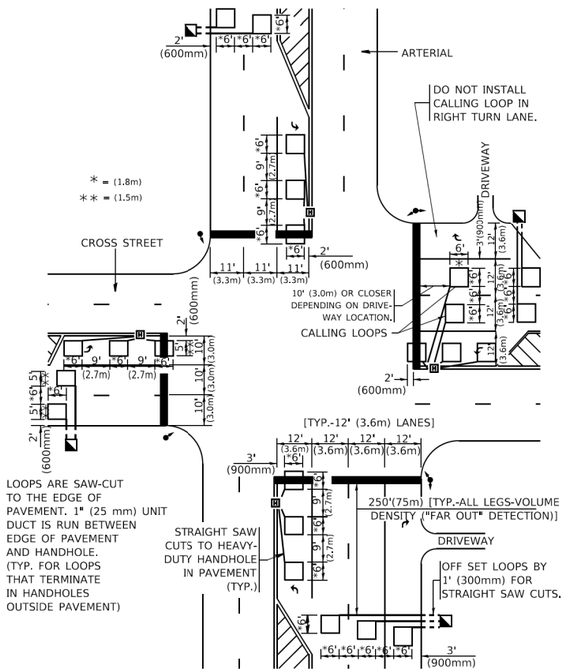
"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0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

NOTE:

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

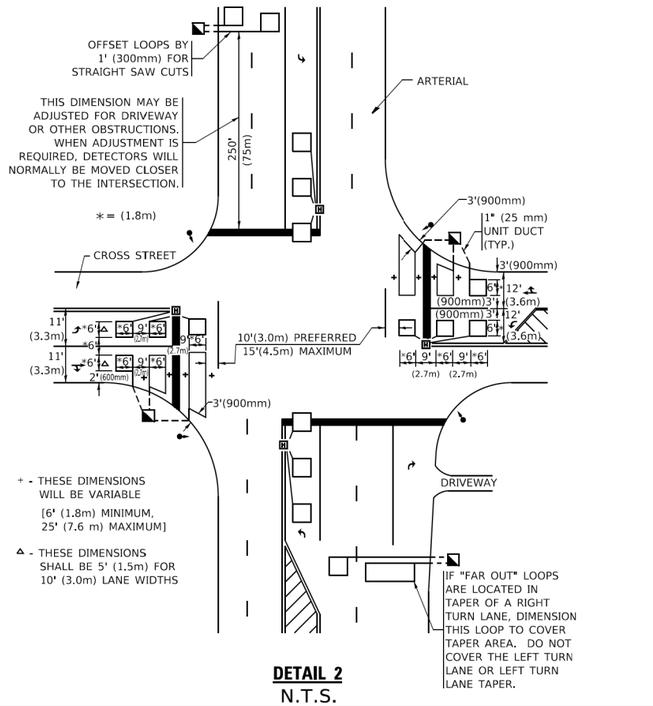
THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

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



DETAIL 1
N.T.S.

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



DETAIL 2
N.T.S.

MODEL: Default
FILE NAME: pw:\\IL084EIBIDNTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\dist1std22x34\CADData\CADsheetssts07.dgn

USER NAME = footemj	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 50.0000 ' / in.	CHECKED - R.K.F.	REVISED -	
PLOT DATE = 3/4/2019	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.
1338	21-00074-00-RS	COOK	62	62
	TS-07	CONTRACT NO. 61H77		
		ILLINOIS	FED. AID PROJECT	

ts07.dgn 3/4/2019 12:50:18 PM I.henr.footemj