

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	19-00108-01-BT	COOK	72	1
ILLINOIS		CONTRACT NO. 61H82		

06/17/2022 LETTING ITEM 210

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**PROPOSED
HIGHWAY PLANS**

ROUTE 1332 (OAKTON STREET)
ROUTE 0376 (CALDWELL AVENUE US-14)
SHARED-USE PATH
SECTION NO.: 19-00108-01-BT
PROJECT NO.: JDML(294)
VILLAGE OF SKOKIE
COOK COUNTY



FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT LOCATED WITHIN:
VILLAGE OF SKOKIE
VILLAGE OF MORTON GROVE
VILLAGE OF NILES

SHARED-USE PATH
CALDWELL AVE AND
OAKTON STREET

C-91-156-22

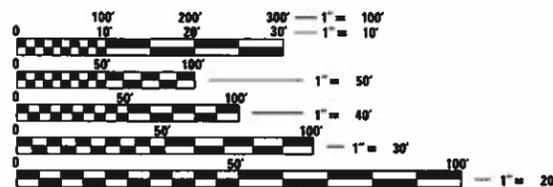
DESIGN DESIGNATION:

CALDWELL AVENUE (OTHER PRINCIPAL ARTERIAL)

ADT = 16,700 (2018) - POSTED SPEED = 40 MPH

OAKTON STREET (MINOR ARTERIAL)

ADT = 25,600-29,500 - POSTED SPEED = 35-40 MPH



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

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

PROJECT MANAGER: LEE M. FELL, PE (847) 823-0500

CB CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

CONTRACT NO. 61H82

SN 016-0555

SN 016-0928

BEGIN PROJECT
STA. 26 + 25.32



NILES TWSP



END PROJECT
STA. 66 + 10.00

LOCATION MAP
NOT TO SCALE

GROSS LENGTH = 4047.28 FT. = 0.766 MILE

NET LENGTH = 4047.28 FT. = 0.766 MILE



Majid Mobasseri 4/8/22

MAJID MOBASSERI
ILLINOIS REGISTRATION No. 081-005058 STRUCTURAL ENGINEER
EXPIRATION DATE: 11/30/22



EXP 11/30/2023

L.M. Fell 04/14/2022

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
APPROVED <i>[Signature]</i>	04/14/2022 DIRECTOR OF ENGINEERING, VILLAGE OF SKOKIE
PASSED <i>[Signature]</i>	APRIL 18 2022 DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS
RELEASING FOR BID BASED ON LIMITED REVIEW <i>[Signature]</i>	APRIL 18 2022 REGIONAL ENGINEER

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OF THE STATE OF ILLINOIS**

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

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, LIST OF HIGHWAY STANDARDS, GENERAL NOTES
3-9	SUMMARY OF QUANTITIES
10	SCHEDULE OF EARTHWORK
11	TYPICAL SECTIONS
12-13	ALIGNMENT, TIES, AND BENCHMARKS
14-18	REMOVAL PLANS
19-27	ROADWAY PLAN AND PROFILE
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34-40	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS
41-45	TRAFFIC SIGNAL PLANS
46-51	STRUCTURAL SHEETS
52-54	ADA RAMP PLANS
55	OUTLET CONTROL STRUCTURE DETAIL
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280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420401-13	PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB
515001-04	NAME PLATE FOR BRIDGES
542001-06	CONCRETE END SECTIONS FOR PIPE CULVERTS 15" (375 MM) THRU 84" (2100 MM) DIAMETER
602402-03	PRECAST MANHOLE TYPE A 5' DIAMETER
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
602701-02	MANHOLE STEPS
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 M) AWAY
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS OVER 40MPH
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
836001-04	LIGHT POLE FOUNDATION

INDEX OF HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
285001-02	FABRIC FORMED CONCRETE REVETMENT MATS
602001-02	CATCH BASIN, TYPE A
602411-09	PRECAST MANHOLE, TYPE A, 7' (2.13 M) DIAMETER
602416-09	PRECAST MANHOLE, TYPE A, 8' (2.44 M) DIAMETER
602421-09	PRECAST MANHOLE, TYPE A, 9' (2.74 M) DIAMETER
604001-05	FRAME AND LIDS, TYPE 1
604036-03	GRATE, TYPE 8
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
630001-12	STEEL PLATE BEAM GUARDRAIL
631031-17	TRAFFIC BARRIER TERMINAL, TYPE 6
635001-02	DELINEATORS
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
725001-01	OBJECT AND TERMINAL MARKERS
729001-01	APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS & MARKERS)

DISTRICT 1 DETAILS

DETAIL NO.	DESCRIPTION
BD-24	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
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-22	ARTERIAL ROAD INFORMATION SIGN
TC-26	DRIVEWAY ENTRANCE SIGNING

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "DETAILS" IN THE PLANS, THE "SPECIAL PROVISIONS" INCLUDED IN THE CONTRACT DOCUMENTS, THE JANUARY 1, 2022 EDITION OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", THE JANUARY 1, 2022 EDITION OF "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", THE 2009 EDITION AND NOVEMBER 2020 REVISION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" (IMUTCD), THE AMERICANS WITH DISABILITIES ACT OF 1990 ACCESSIBILITY GUIDELINES, THE "DRAFT" REHABILITATION ACT OF 1973 (SECTION 504), AND THE LATEST PUBLIC RIGHT-OF-WAY ACCESSIBILITY GUIDELINES.
- THE CONTRACTOR SHALL COMPLY WITH ALL RULES AND REGULATIONS OF OSHA DURING CONSTRUCTION OF IMPROVEMENTS AND RESTORATION. NEITHER THE VILLAGE, DEPARTMENT, NOR THE APPOINTED ENGINEER SHALL BE RESPONSIBLE FOR THE CONTRACTOR'S COMPLIANCE WITH OSHA.
- THE CONTRACTOR SHALL GIVE NOTICES AND COMPLY WITH APPLICABLE LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ALL PUBLIC AUTHORITIES BEARING ON SAFETY OF PERSONS OR PROPERTY OR THEIR PROTECTION FROM DAMAGE, INJURY OR LOSS.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
- THE CONTRACTOR SHALL LIMIT CONSTRUCTION ACTIVITIES TO THE WORK AREAS DESIGNATED ON THE PLANS. ANY DAMAGE TO AREAS OUTSIDE OF THESE LIMITS SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.
- THE CONTRACTOR SHALL RELOCATE OR REMOVE AND REPLACE SIGNS THAT INTERFERE WITH CONSTRUCTION OPERATIONS, AND TO TEMPORARILY RESET ALL SUCH SIGNS DURING CONSTRUCTION OPERATIONS. IF EXISTING SIGNS ARE DAMAGED DURING THE REMOVAL AND REPLACEMENT PROCESS, THE SIGN SHALL BE REPLACED.
- AT THE END OF EACH DAY, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASSURE THAT ALL STREETS ADJACENT TO THE PROJECT ARE FREE OF ALL CONSTRUCTION RELATED DEBRIS INCLUDING DIRT, STONE, NAILS, ETC. THE WORK SHALL BE DONE TO THE SATISFACTION OF THE ENGINEER AS COORDINATED WITH THE VILLAGE OF WESTCHESTER.
- THE CONTRACTOR SHALL CONTACT KALPANA KANNAN HOBADURGA, THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR, AT KALPANA.KANNAN-HOBADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- TWO WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS, THE ENGINEER SHALL CONTACT FADI SULTAN, THE AREA TRAFFIC FIELD ENGINEER, AT FADI.SULTAN@ILLINOIS.GOV
- THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES, SUCH AS: WATER MAIN, SEWERS, GAS LINES, ETC. AS SHOWN ON THE PLANS, HAVE BEEN DETERMINED FROM THE BEST AVAILABLE INFORMATION AND ONLY REPRESENT THE OPINION OF THE VILLAGE OF WESTCHESTER AS TO THEIR LOCATIONS. THE PROVIDED LOCATIONS OF EXISTING UNDERGROUND UTILITIES IS GIVEN FOR THE CONVENIENCE OF THE BIDDER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING THE UTILITY COMPANIES LOCATE THEIR FACILITIES IN THE FIELD PRIOR TO CONSTRUCTION. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL JULIE AT (800) 892-0123 FOR FIELD LOCATIONS OF BURIED UTILITIES (48-HOUR NOTIFICATION IS REQUIRED).

COMMITMENTS

NONE.

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER.
- DRAINAGE: DURING THE CONSTRUCTION OPERATIONS WHEN ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DITCHES, GUTTERS OR DRAINAGE STRUCTURES SO THE NATURAL FLOW OF WATER IS OBSTRUCTED, THE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF THE CONSTRUCTION OPERATIONS ALL DRAINAGE STRUCTURES SHALL BE FREE FROM ALL DIRT AND DEBRIS CAUSED BY THE CONSTRUCTION.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AS WELL AS SUPERVISION/ DIRECTION AND MEANS/METHODS OF CONSTRUCTION.
- THE CONTRACTOR SHALL INSTALL/MAINTAIN/REMOVE INLET FILTERS IN ALL OPEN LID DRAINAGE STRUCTURES IN THE PAVEMENT THAT ARE WITHIN THE WORK ZONE OR ACCEPT STORMWATER THAT FLOWS OUT OF THE WORK ZONE, AND AT LOCATIONS AS DIRECTED BY THE ENGINEER.
- AREAS OF PARKWAY RESTORATION ARE SHOWN ON THE PLANS. AREAS DISTURBED BY THE CONTRACTOR BEYOND THOSE SHOWN IN THE PLANS SHALL BE REPAIRED.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, LOCAL GOVERNMENT AGENCIES AND IDOT.
- SOIL STOCKPILES OR OTHER CONSTRUCTION MATERIALS SHALL NOT BE LOCATED WITHIN THE FLOOD PROTECTION AREA.
- VERTICAL DATUM: NAVD 1988
- THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.
- GEOTECHNICAL FABRIC FOR GROUND STABILIZATION AND/OR AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAVE BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ABOVE ITEM 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.
- ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENTS IS TO BE REMOVED AND REPLACED AS DIRECT BY THE ENGINEER AT CONTRACTOR EXPENSE.
- DRIVEWAYS ARE TO REMAIN OPEN DURING CONSTRUCTION. WORK WITHIN A DRIVEWAY WILL BE DONE HALF AT A TIME IN ORDER FOR THE OTHER HALF OF THE DRIVEWAY TO REMAIN OPEN TO TRAFFIC WHEN POSSIBLE.
- THE COST TO CONNECT EXISTING AND PROPOSED DRAINAGE ELEMENTS SHALL BE INCLUDED IN THE COST OF THE PROPOSED DRAINAGE STRUCTURE.

FILE NAME =	USER NAME = doconnell	DESIGNED - DOC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES AND INDEX OF SHEETS, STANDARDS, AND DETAILS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
N:\MortanGrove\190025\C1\1\NOT_190025_01.SHT		DRAWN - DOC	REVISED -			1332	19-00108-01-BT	COOK	72	2		
PLOT SCALE = 1"		CHECKED - LMF	REVISED -			CONTRACT NO. 61H82						
Default	PLOT DATE = 5/6/2022	DATE - 1-14-2022	REVISED -			ILLINOIS' FED. AID PROJECT						
						SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.

SPEC. ITEM	SPEC. PROV.	ITEM	DESCRIPTION	UNIT	TOTAL QUANTITY (80% FEDERAL, 20% LOCAL)	CODE 0028	CODE 0042
~		20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	42	42	
~		20100500	TREE REMOVAL, ACRES	ACRE	0.3	0.3	
		20101100	TREE TRUNK PROTECTION	EACH	19	19	
~		20101200	TREE ROOT PRUNING	EACH	20	20	
~		20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	14	14	
~		20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	6	6	
		20200100	EARTH EXCAVATION	CU YD	2,650	2,650	
		20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	2,304	2,304	
		20400800	FURNISHED EXCAVATION	CU YD	10	10	
		20800150	TRENCH BACKFILL	CU YD	675	675	
		21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	3,750	3,750	
		21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	2,500	2,500	
		21400100	GRADING AND SHAPING DITCHES	FOOT	350	350	
~		25000210	SEEDING, CLASS 2A	ACRE	0.8	0.8	
~		25200200	SUPPLEMENTAL WATERING	UNIT	30	30	
		28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	90	90	
		28000400	PERIMETER EROSION BARRIER	FOOT	1,250	1,250	

FILE NAME =	USER NAME = dcoonnell	DESIGNED - DOC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\MortonGrove\190025\Civil\500_190025.ctb		DRAWN - DOC	REVISED -						1332	19-00108-01-BT	COOK	72	3
Default	PLOT SCALE = 1'	CHECKED - LMF	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 61H82				
	PLOT DATE = 5/6/2022	DATE - 1-14-2022	REVISED -						ILLINOIS FED. AID PROJECT				

SPEC. ITEM	SPEC. PROV.	ITEM	DESCRIPTION	UNIT	TOTAL QUANTITY (80% FEDERAL, 20% LOCAL)	CODE 0028	CODE 0042
		28000510	INLET FILTERS	EACH	11	11	
		28200200	FILTER FABRIC	SQ YD	25	25	
		28500400	ARTICULATED BLOCK REVETMENT MAT	SQ YD	25	25	
		30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	350	350	
		35102000	AGGREGATE BASE COURSE, TYPE B 8"	SQ YD	3,750	3,750	
		40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	8,500	8,500	
		40604060	HOT-MIX ASPHALT SURFACE COURSE, 1L-9.5, MIX "D", N50	TON	650	650	
		42001300	PROTECTIVE COAT	SQ YD	615	615	
		42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	350	350	
		42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	4,950	4,950	
		42400800	DETECTABLE WARNINGS	SQ FT	450	450	
		44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	475	475	
		44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	400	400	
		44000600	SIDEWALK REMOVAL	SQ FT	11,000	11,000	
		50200100	STRUCTURE EXCAVATION	CU YD	135	135	
		50300255	CONCRETE SUPERSTRUCTURE	CU YD	12.8	12.8	
		50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	1,920	1,920	
		52200015	PERMANENT SHEET PILING	SQ FT	1,350	1,350	

FILE NAME =	USER NAME = ddoanell	DESIGNED - DOC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\MortonGrove\190025\Civil\500.190025.02.SHT	DRAWN - DOC	REVISED -	1332						19-00108-01-BT	COOK	72	4	
Default	PLOT SCALE = 1'	CHECKED - LMF	REVISED -		CONTRACT NO. 61H82								
	PLOT DATE = 5/5/2022	DATE - 1-14-2022	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

SPEC. ITEM	SPEC. PROV.	ITEM	DESCRIPTION	UNIT	TOTAL QUANTITY (80% FEDERAL, 20% LOCAL)	CODE 0028	CODE 0042
	*	54261215	CONCRETE END SECTION, STANDARD 542001, 15", 1:2	EACH	1	1	
		550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	600	600	
		550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	100	100	
		550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	FOOT	250	250	
		55100500	STORM SEWER REMOVAL 12"	FOOT	150	150	
		55100700	STORM SEWER REMOVAL 15"	FOOT	225	225	
		60200205	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1	
		60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE B GRATE	EACH	4	4	
		60204505	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE B GRATE	EACH	1	1	
		60224446	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2	
		60224459	MANHOLES, TYPE A, 8'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1	
		60224469	MANHOLES, TYPE A, 9'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2	
		60250200	CATCH BASINS TO BE ADJUSTED	EACH	9	9	
		60255500	MANHOLES TO BE ADJUSTED	EACH	8	8	
		60265700	VALVE VAULTS TO BE ADJUSTED	EACH	11	11	
		60500040	REMOVING MANHOLES	EACH	1	1	
		60500050	REMOVING CATCH BASINS	EACH	3	3	
		60600605	CONCRETE CURB, TYPE B	FOOT	205	205	

FILE NAME =	USER NAME = doconnell	DESIGNED - DOC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\MortonGrave\198825\Civil\500_198825_03.SHT		DRAWN - DOC	REVISED -		1332	19-00108-01-BT	COOK	72	5				
Default	PLOT SCALE = 1'	CHECKED - LMF	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 61H82		
	PLOT DATE = 5/6/2022	DATE - 1-14-2022	REVISED -		ILLINOIS FED. AID PROJECT								

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		60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	455	455	
~		63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	555	555	
~		63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1	1	
~		63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	1	1	
~		63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	1	1	
		63200310	GUARDRAIL REMOVAL	FOOT	740	740	
		63500105	DELINEATORS	EACH	10	10	
~		66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	50	50	
~		66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1	
~		66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1	
~		66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1	
~		66901006	REGULATED SUBSTANCES MONITORING	CAL DA	30	30	
		67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6	
		67100100	MOBILIZATION	L SUM	1	1	
		70102631	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	EACH	1	1	
		70102626	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	EACH	1	1	
		70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1	
		70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1	

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~		72000100	SIGN PANEL - TYPE 1	SQ FT	150	150	
~		72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	1	1	
~		72900100	METAL POST - TYPE A	FOOT	50	50	
~		78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	35	35	
~		78000200	THERMOPLASTIC PAVEMENT MARKING LINE 4"	FOOT	350	350	
~		78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	150	150	
~		78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1,500	1,500	
~		78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	250	250	
~		78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	250	250	
~		81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	251	251	
~		81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	10	10	
~	*	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2	2	
~	*	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	3,265	3,265	
~	*	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	3,545	3,545	
~	*	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	141	141	
~	*	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	376	378	
~	*	87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	1	1	
~		87800100	CONCRETE FOUNDATION, TYPE A	FOOT	4	4	

FILE NAME =	USER NAME = dcoonnell	DESIGNED - DOC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
H:\MortonGrove\190825\Civil\500_190825_05.SHT		DRAWN - DOC	REVISED -						1332	19-00108-01-BT	COOK	72	7
Default	PLOT SCALE = 1'	CHECKED - LMF	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 61H82				
	PLOT DATE = 5/6/2022	DATE - 1-14-2022	REVISED -						ILLINOIS FED. AID PROJECT				

SPEC. ITEM	SPEC. PROV.	ITEM	DESCRIPTION	UNIT	TOTAL QUANTITY (80% FEDERAL, 20% LOCAL)	CODE 0028	CODE 0042
~		87900200	DRILL EXISTING HANDHOLE	EACH	9	9	
~		88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1	1	
~	*	88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	16	16	
~		89501150	RELOCATE EXISTING TRAFFIC SIGNAL POST	EACH	1	1	
~	*	89501250	RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	1	
~		89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	130	130	
~		89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2	2	
~		89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	1	1	
~		A2001716	TREE, ACER SACCHARUM (SUGAR MAPLE), 2" CALIPER, BALLED AND BURLAPPED	EACH	1	1	
~		A2005016	TREE, GYMNOCLADUS DIOICUS (KENTUCKY COFFEETREE), 2" CALIPER, BALLED AND BURLAPPED	EACH	1	1	
~		A2007616	TREE, TAXODIUM DISTICHUM (COMMON BALD CYPRESS), 2" CALIPER, BALLED AND BURLAPPED	EACH	1	1	
~		B2002516	TREE, MAGNOLIA STELLATA (STAR MAGNOLIA), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	1	1	
	*	X0326337	OUTLET CONTROL STRUCTURE	EACH	1	1	
~	*	X1400367	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	8	8	
~	*	X1400378	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	2	2	
	*	X1700108	CURB AND GUTTER (SPECIAL)	FOOT	400	400	

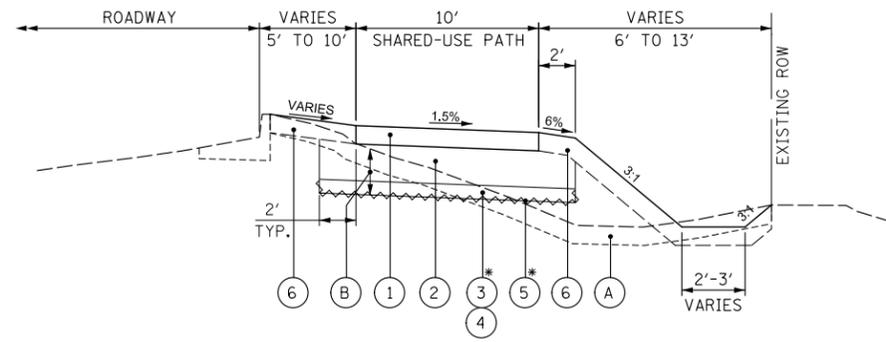
FILE NAME =	USER NAME = daoanne11	DESIGNED - DOC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\MortonGrove\190825\Civil\500.190825_08.SHT	DRAWN - DOC	REVISED -	1332					19-00108-01-BT	COOK	72	8	
Default	PLOT SCALE = 1"	CHECKED - LMF	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 61H82 [ILLINOIS] FED. AID PROJECT	
	PLOT DATE = 5/6/2022	DATE - 1-14-2022	REVISED -									

SPEC. ITEM	SPEC. PROV.	ITEM	DESCRIPTION	UNIT	TOTAL QUANTITY (80% FEDERAL, 20% LOCAL)	CODE 0028	CODE 0042
~	*	X2511630	EROSION CONTROL BLANKET (SPECIAL)	SQ YD	3,750	3,750	
~	^	X2600011	REMOVE AND RELOCATE SIGN PANEL	EACH	2	2	
	*	X4240460	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH, SPECIAL	SQ FT	4,455	4,455	
	*	X4403800	MEDIAN SURFACE REMOVAL	SQ FT	600	600	
~		X8140115	HANDHOLE TO BE ADJUSTED	EACH	6	6	
~	*	X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	14	14	
~	*	X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	28	28	
~	*	X8950114	MODIFY EXISTING CONTROLLER AND CABINET	EACH	2	2	
	*	Z0004514	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 4"	SQ YD	300	300	
	*	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
		Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	155	155	
~	*	Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	2	2	
	^	Z0076600	TRAINEES	HOUR	500		500
	*	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500		500
~	*	Z0077900	WOOD POST AND RAIL FENCE	FOOT	200	200	

FILE NAME =	USER NAME = docennell	DESIGNED - DOC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\MortonGrave\198825\Civil\500.192825.07.SHT		DRAWN - DOC	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	1332	19-00108-01-BT	COOK	72 9
Default	PLOT SCALE = 1'	CHECKED - LMF	REVISED -		CONTRACT NO. 61H82									
	PLOT DATE = 5/6/2022	DATE - 1-14-2022	REVISED -		ILLINOIS FED. AID PROJECT									

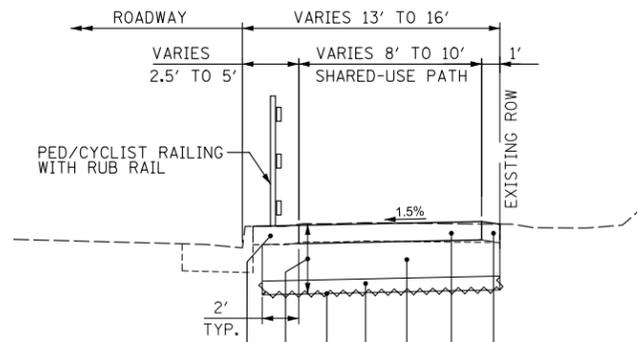
SHARED-USE PATH EARTHWORK SCHEDULE													
STA.	DIST. (FT)	EARTH EXCAVATION			EMBANKMENT			TOPSOIL PLACEMENT			TOPSOIL EXCAVATION		
		AREA (SF)	AVE. AREA (SF)	VOLUME (CY)	AREA (SF)	AVE. AREA (SF)	VOLUME (CY)	AREA (SF)	AVE. AREA (SF)	VOLUME (CY)	AREA (SF)	AVE. AREA (SF)	VOLUME (CY)
26+48.94		28.80			0.00			0.00			0.00		
	51.06		19.00	35.93		0.55	1.04		1.85	3.50		5.50	10.40
27+00.00		9.20			1.10			3.70			11.00		
	71.73		18.55	49.28		0.55	1.46		1.85	4.91		5.50	14.61
27+71.73		27.90			0.00			0.00			0.00		
	28.27		15.10	15.81		4.00	4.19		1.55	1.62		5.05	5.29
28+00.00		2.30			8.00			3.10			10.10		
	100.00		2.35	8.70		14.50	53.70		3.70	13.70		11.65	43.15
29+00.00		2.40			21.00			4.30			13.20		
	100.00		14.85	55.00		10.50	38.89		2.15	7.96		6.60	24.44
30+00.00		27.30			0.00			0.00			0.00		
	100.00		17.20	63.70		6.75	25.00		2.10	7.78		6.55	24.26
31+00.00		7.10			13.50			4.20			13.10		
	100.00		7.90	29.26		7.20	26.67		3.95	14.63		11.90	44.07
32+00.00		8.70			0.90			3.70			10.70		
	30.00		18.05	20.06		0.45	0.50		1.85	2.06		5.35	5.94
32+30.00		27.40			0.00			0.00			0.00		
	70.00		16.60	43.04		0.25	0.65		1.00	2.59		4.05	10.50
33+00.00		5.80			0.50			2.00			8.10		
	24.00		16.05	14.27		0.25	0.22		1.00	0.89		4.05	3.60
33+24.00		26.30			0.00			0.00			0.00		
	76.00		14.90	41.94		0.20	0.56		1.80	5.07		5.30	14.92
34+00.00		3.50			0.40			3.60			10.60		
38+10.00		13.50			0.00			0.70			10.40		
	90.00		9.65	32.17		0.00	0.00		0.70	2.33		8.25	27.50
39+00.00		5.80			0.00			0.70			6.10		
	100.00		5.65	20.93		0.00	0.00		0.50	1.85		5.75	21.30
40+00.00		5.50			0.00			0.30			5.40		
	100.00		4.80	17.78		2.55	9.44		1.85	6.85		7.95	29.44
41+00.00		4.10			5.10			3.40			10.50		
	100.00		5.45	20.19		3.05	11.30		3.50	12.96		10.50	38.89
42+00.00		6.80			1.00			3.60			10.50		
	100.00		11.25	41.67		0.50	1.85		1.95	7.22		10.85	40.19
43+00.00		15.70			0.00			0.30			11.20		
	100.00		13.15	48.70		0.50	1.85		0.90	3.33		9.30	34.44
44+00.00		10.60			1.00			1.50			7.40		
	100.00		8.30	30.74		0.50	1.85		1.00	3.70		6.60	24.44
45+00.00		6.00			0.00			0.50			5.80		
	100.00		5.80	21.48		0.00	0.00		0.40	1.48		5.65	20.93
46+00.00		5.60			0.00			0.30			5.50		
	60.00		8.95	19.89		0.00	0.00		0.35	0.78		8.70	19.33
46+60.00		12.30			0.00			0.40			11.90		
	40.00		9.65	14.30		0.05	0.07		0.75	1.11		9.25	13.70
47+00.00		7.00			0.10			1.10			6.60		
	100.00		7.10	26.30		0.15	0.56		1.20	4.44		6.80	25.19
48+00.00		7.20			0.20			1.30			7.00		
	185.00		7.95	54.47		0.10	0.69		0.90	6.17		9.45	64.75
49+85.00		8.70			0.00			0.50			11.90		
	15.00		6.15	3.42		0.90	0.50		2.55	1.42		12.00	6.67
50+00.00		3.60			1.80			4.60			12.10		
	100.00		4.80	17.78		1.70	6.30		3.90	14.44		11.00	40.74
51+00.00		6.00			1.60			3.20			9.90		
	100.00		5.55	20.56		1.25	4.63		2.55	9.44		8.55	31.67
52+00.00		5.10			0.90			1.90			7.20		
	100.00		5.40	20.00		0.55	2.04		1.65	6.11		6.70	24.81
53+00.00		5.70			0.20			1.40			6.20		
	100.00		5.10	18.89		0.10	0.37		1.10	4.07		5.75	21.30
54+00.00		4.50			0.00			0.80			5.30		
	100.00		6.35	23.52		0.10	0.37		1.15	4.26		5.90	21.85
55+00.00		8.20			0.20			1.50			6.50		
	100.00		10.45	38.70		0.15	0.56		2.25	8.33		9.20	34.07
56+00.00		12.70			0.10			3.00			11.90		
	100.00		11.50	42.59		0.35	1.30		3.35	12.41		11.30	41.85
57+00.00		10.30			0.60			3.70			10.70		
	100.00		8.30	30.74		0.55	2.04		2.85	10.56		9.35	34.63
58+00.00		6.30			0.50			2.00			8.00		
	100.00		3.60	13.33		0.85	3.15		1.75	6.48		7.70	28.52
59+00.00		0.90			1.20			1.50			7.40		
	100.00		0.60	2.22		2.80	10.37		1.90	7.04		8.05	29.81
60+00.00		0.30			4.40			2.30			8.70		
	100.00		1.45	5.37		5.00	18.52		2.20	8.15		9.35	34.63
61+00.00		2.60			5.60			2.10			10.00		
	100.00		4.90	18.15		3.30	12.22		1.90	7.04		9.10	33.70
62+00.00		7.20			1.00			1.70			8.20		
	100.00		7.00	25.93		1.05	3.89		1.70	6.30		8.15	30.19
63+00.00		6.80			1.10			1.70			8.10		
	100.00		5.80	21.48		1.05	3.89		1.65	6.11		8.00	29.63
64+00.00		4.80			1.00			1.60			7.90		
	100.00		5.00	18.52		0.70	2.59		1.60	5.93		7.15	26.48
65+00.00		5.20			0.40			1.60			6.40		
	50.00		6.85	12.69		0.45	0.83		2.00	3.70		7.30	13.52
65+50.00		8.50			0.50			2.40			8.20		
	50.00		7.15	13.24		0.25	0.46		1.35	2.50		7.80	14.44
66+00.00		5.80			0.00			0.30			7.40		
		TOTAL = 1,072.71			TOTAL = 254.51			TOTAL = 241.24			TOTAL = 1,056.81		

SIDEWALK EARTHWORK SCHEDULE													
STA.	DIST. (FT)	EARTH EXCAVATION			EMBANKMENT			TOPSOIL PLACEMENT			TOPSOIL EXCAVATION		
		AREA (SF)	AVE. AREA (SF)	VOLUME (CY)	AREA (SF)	AVE. AREA (SF)	VOLUME (CY)	AREA (SF)	AVE. AREA (SF)	VOLUME (CY)	AREA (SF)	AVE. AREA (SF)	VOLUME (CY)
2+00.00		1.00			0.50			0.00			0.00		
	25.30		0.75	0.69		0.50	0.46		0.00	0.00		1.65	1.53
2+25.00		0.50			0.50			0.60			0.00	3.30	3.33
	25.30		0.70	0.65		0.60	0.56		0.00	0.00		3.60	3.33
2+50.00		0.90			0.70			0.40			0.00	3.90	3.47
	25.30		0.95	0.88		0.40	0.37		0.00	0.00		3.75	3.47
2+75.00		1.00			0.10			0.20			0.00	3.60	3.60
	25.30		1.40	1.30		0.20	0.19		0.00	0.00		6.10	5.65
3+00.00		1.80			0.30			0.35			3.30		
	25.30		1.60	1.48		0.35	0.32		0.00	0.00		6.55	6.06
3+25.00		1.40			0.40			0.40			0.70		
	25.30		1.75	1.62		0.40	0.37		1.50	1.39		5.75	5.32
3+50.00		2.10			0.40			2.45			2.30		
	25.30		1.85	1.71		2.45	2.27		2.95	2.73		8.65	8.01
3+75.00		1.60			4.50			5.35			3.60		
	25.30		1.30	1.20		5.35	4.95		3.45	3.19		10.15	9.40
4+00.00		1.00			6.20			3.30			3.30		
	25.30		1.05	0.97		5.15	4.77		3.20	2.96		9.75	9.03
4+25.00		1.10			4.10			3.85			3.10		
	25.30		1.35	1.25		3.85	3.56		3.10	2.87		9.50	8.80
4+50.00		1.60			3.60			3.50			3.10		
	25.30		1.70	1.57		3.50	3.24		2.70	2.50		8.55	7.92
4+75.00		1.80			3.40			3.70			2.30		
	25.30		1.65	1.53		3.70	3.43		2.55	2.36		8.05	7.45
5+00.00		1.50			4.00			3.25			2.80		
	25.30		1.45	1.34		3.25	3.01		2.40	2.22		7.70	7.13
5+25.00		1.40			2.50			2.35			2.00		
	25.30		1.35	1.25		2.35	2.18		1.75	1.62		6.40	5.93
5+50.00		1.30			2.20			2.05			1.50		
	25.30		0.95	0.88		2.05	1.82		1.75	1.62		6.50	6.02
5+75.00		0.60			3.90			4.80			2.00		
	25.30		0.60	0.56		4.80	4.44		2.20	2.04		7.35	6.81
6+00.00		0.60			5.70			5.37					



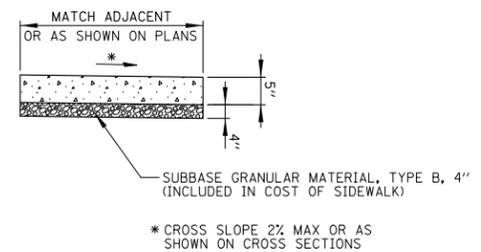
PROPOSED TYPICAL SECTION CALDWELL AVENUE
STA. 26+48 TO STA. 34+00

*AS DIRECTED BY ENGINEER



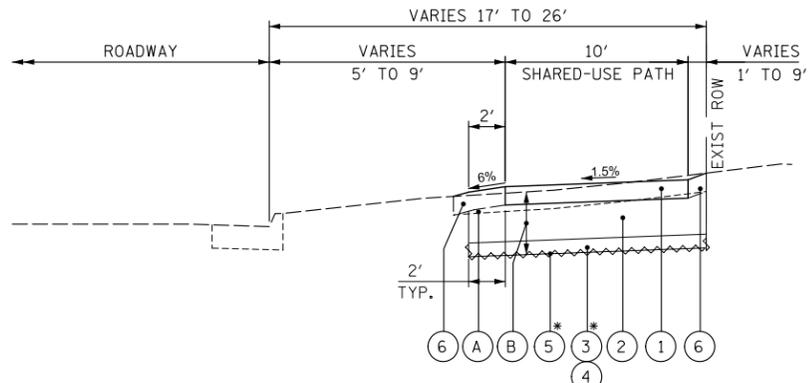
PROPOSED TYPICAL SECTION OAKTON STREET
STA. 51+59 TO STA. 55+89

*AS DIRECTED BY ENGINEER



P.C.C. SIDEWALK 5 INCH
NOT TO SCALE

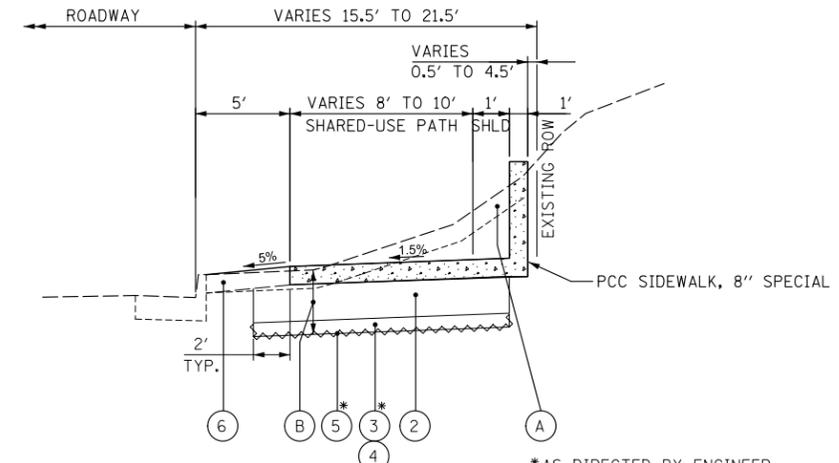
NOTE: ALL REQUIRED EARTH EXCAVATION TO CONSTRUCT P.C.C. SIDEWALK SHALL BE INCLUDED IN THE COST OF P.C.C. SIDEWALK 5 INCH.



PROPOSED TYPICAL SECTION OAKTON STREET

STA. 38+06 TO STA. 51+59
STA. 55+89 TO STA. 60+34
STA. 64+54 TO STA. 66+68

*AS DIRECTED BY ENGINEER



PROPOSED TYPICAL SECTION OAKTON STREET

STA. 60+34 TO STA. 64+54

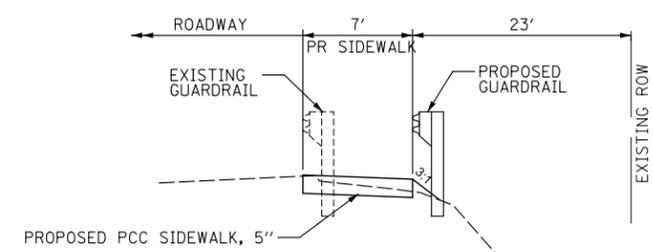
*AS DIRECTED BY ENGINEER

LEGEND

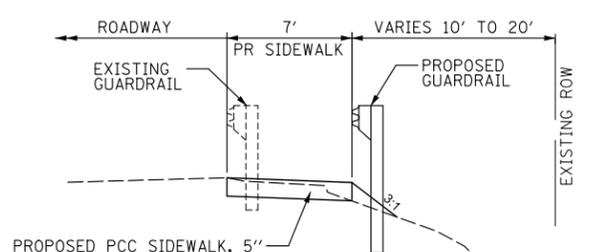
- ① HMA SURFACE COURSE, MIX "D", N50, IL-9.5, 4" (TWO LIFTS)
- ② AGGREGATE BASE COURSE, TYPE B, 8"
- ③ REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (UNDERCUTS)
- ④ AGGREGATE SUBGRADE IMPROVEMENT
- ⑤ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- ⑥ TOPSOIL FURNISH AND PLACE 4", SEEDING CL 2A, EROSION CONTROL BLANKET
- A TOPSOIL EXCAVATION
- B EARTH EXCAVATION

NOTES:

1. CONTRACTOR SHALL REMOVE AND REPLACE ANY UNSUITABLE MATERIAL UNDER SIDEWALK, CURB AND GUTTER REPLACEMENT AND PATCHING LOCATIONS AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE COST OF PCC SIDEWALK 5" OR CURB AND GUTTER (SPECIAL).
2. AGGREGATE BASE REPAIR (SUBBASE GRANULAR MATERIAL, TYPE B) UNDER PATH, SIDEWALKS, CURB AND GUTTER, AND PAVEMENT PATCHES WILL BE DETERMINED BY THE ENGINEER IN THE FIELD. COST SHALL BE INCLUDED IN AGGREGATE SUBGRADE IMPROVEMENT.
3. ADDITIONAL STONE BACK FILLING SHALL BE INCLUDED IN THE COST FOR CURB AND GUTTER (SPECIAL).



TYPICAL GUARDRAIL RELOCATION ALONG SIDEWALK - CALDWELL AVE
STA. 2+00 TO STA. 3+50



TYPICAL GUARDRAIL RELOCATION ALONG SIDEWALK - OAKTON STREET
STA. 3+50 TO STA. 6+62

HOT - MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOID (%)	QMP
	@ Ndes	
SHARED-USE PATH:		
HMA SURFACE COURSE, MIX "D", IL-9.5, N50, 4" (TWO LIFTS)	4% @ 50 GYR	LR 1030-2
DRIVEWAY PAVEMENT:		
HMA SURFACE COURSE, MIX "D", IL-9.5, N50, 4" (TWO LIFTS)	4% @ 50 GYR	LR 1030-2
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) PER LR 1030-2		
NOTES:		
1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE QUANTITIES IS 112 LB/SQ TD/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 SPECIFICATION.		

FILE NAME =	USER NAME = doconnell	DESIGNED - DOC	REVISED -
N:\MortonGrove\190025\Civil\TYP.190025.01.SHT		DRAWN - DOC	REVISED -
Default	PLOT SCALE = 5'	CHECKED - LMF	REVISED -
	PLOT DATE = 5/6/2022	DATE - 1-14-2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

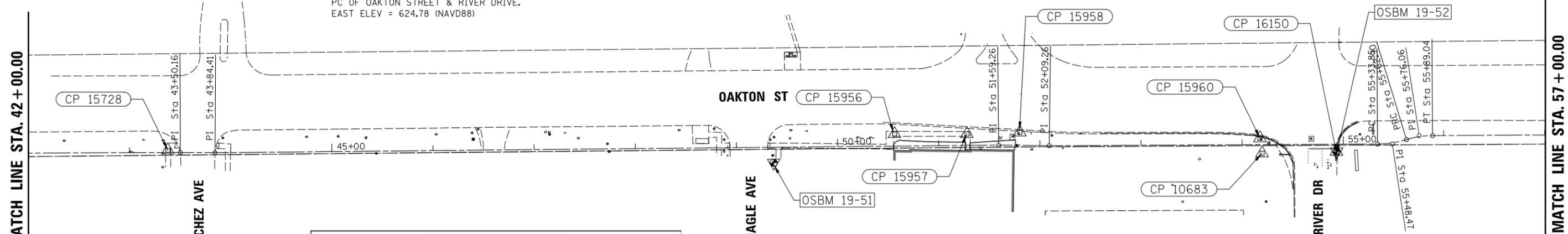
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	19-00108-01-BT	COOK	72	11
				CONTRACT NO. 61H82
ILLINOIS FED. AID PROJECT				

BENCHMARKS

OSBM 19-51 - SOUTHEAST FLANGE BOLT OF FIRE HYDRANT AT THE SOUTHWEST CORNER OF OAKTON AVENUE & NAGLE AVENUE. ELEV = 623.89 (NAVD88)

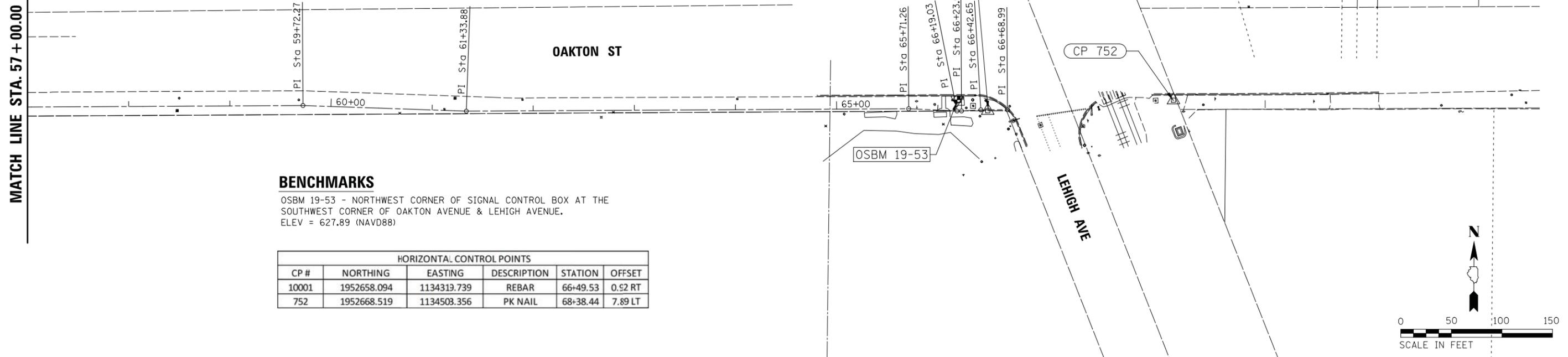
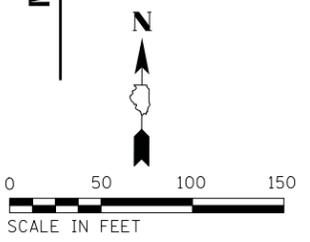
OSBM 19-52 - X-CUT ON THE SOUTHEASTERLY TOP OF CURB AT THE PC OF OAKTON STREET & RIVER DRIVE. EAST ELEV = 624.78 (NAVD88)



HORIZONTAL CONTROL POINTS					
CP #	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
15728	1952646.665	1132009.155	X-CUT	43+37.90	2.18 LT
15956	1952662.818	1132727.526	X-CUT	50+56.41	11.99 LT
15957	1952662.755	1132799.106	X-CUT	51+27.99	11.23 LT
15958	1952664.377	1132851.513	X-CUT	51+80.12	12.83 LT
15960	1952658.650	1133088.878	X-CUT	54+17.70	6.35 LT
10683	1952643.773	1133090.951	REBAR	54+19.69	8.54 RT
16150	1952645.410	1133164.570	X-CUT	54+93.32	7.31 RT

PROP. CURVE CALOAK_29
 PI STA. = 55+48.47
 $\Delta = 16^\circ 38' 44''$ (LT)
 $D = 57^\circ 17' 45''$
 $R = 100.00'$
 $T = 14.63'$
 $L = 29.05'$
 $E = 1.06'$
 P.C. STA. = 55+33.85
 P.T. STA. = 55+62.90

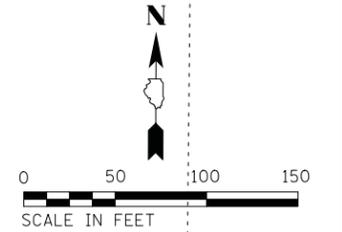
PROP. CURVE CALOAK_210
 PI STA. = 55+76.06
 $\Delta = 16^\circ 38' 44''$ (RT)
 $D = 63^\circ 39' 43''$
 $R = 90.00'$
 $T = 13.17'$
 $L = 26.15'$
 $E = 0.96'$
 P.C. STA. = 55+62.90
 P.T. STA. = 55+89.04



BENCHMARKS

OSBM 19-53 - NORTHWEST CORNER OF SIGNAL CONTROL BOX AT THE SOUTHWEST CORNER OF OAKTON AVENUE & LEHIGH AVENUE. ELEV = 627.89 (NAVD88)

HORIZONTAL CONTROL POINTS					
CP #	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
10001	1952658.094	1134319.739	REBAR	66+49.53	0.92 RT
752	1952668.519	1134503.356	PK NAIL	68+38.44	7.89 LT



FILE NAME =	USER NAME = docconnell	DESIGNED - DOC	REVISED -
N:\MortonGrove\190025\Civil\BNH.190025.02.SHT		DRAWN - DOC	REVISED -
Default	PLOT DATE = 5/6/2022	CHECKED - LMF	REVISED -
		DATE - 1-14-2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ALIGNMENT, TIES AND BENCHMARK			
SCALE:	SHEET	OF SHEETS	STA. 42+00 TO STA. 66+68

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	19-00108-01-BT	COOK	72	12
CONTRACT NO. 61H82				
ILLINOIS FED. AID PROJECT				

HORIZONTAL CONTROL POINTS					
CP #	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
15380	1952073.265	1131529.498	X-CUT	30+15.17	5.32 LT
10521	1952443.339	1131259.473	PK NAIL	34+85.24	16.11 RT

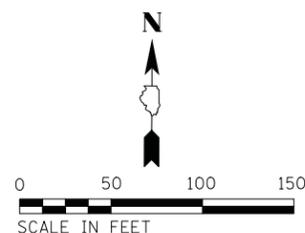
PROP. CURVE CALOAK_25
 PI STA. = 35+15.82
 $\Delta = 102^\circ 41' 05''$ (RT)
 $D = 104^\circ 10' 27''$
 $R = 55.00'$
 $T = 68.76'$
 $L = 98.57'$
 $E = 33.05'$
 P.C. STA. = 34+47.07
 P.T. STA. = 35+45.64

PROP. CURVE CALOAK_21
 PI STA. = 26+76.00
 $\Delta = 22^\circ 02' 30''$ (LT)
 $D = 72^\circ 31' 35''$
 $R = 79.00'$
 $T = 15.39'$
 $L = 30.39'$
 $E = 1.48'$
 P.C. STA. = 26+60.61
 P.T. STA. = 26+91.00

PROP. CURVE CALOAK_22
 PI STA. = 27+04.13
 $\Delta = 21^\circ 32' 44''$ (RT)
 $D = 83^\circ 02' 15''$
 $R = 69.00'$
 $T = 13.13'$
 $L = 25.95'$
 $E = 1.24'$
 P.C. STA. = 26+91.00
 P.T. STA. = 27+16.95

PROP. CURVE CALOAK_23
 PI STA. = 30+09.15
 $\Delta = 31^\circ 30' 05''$ (LT)
 $D = 5^\circ 31' 50''$
 $R = 1,036.00'$
 $T = 292.20'$
 $L = 569.60'$
 $E = 40.42'$
 P.C. STA. = 27+16.95
 P.T. STA. = 32+86.55

PROP. CURVE CALOAK_24
 PI STA. = 34+00.49
 $\Delta = 5^\circ 09' 44''$ (LT)
 $D = 18^\circ 28' 57''$
 $R = 310.00'$
 $T = 13.97'$
 $L = 27.93'$
 $E = 0.31'$
 P.C. STA. = 33+86.51
 P.T. STA. = 34+14.44



PROP. CURVE SIDEWLK11
 PI STA. = 2+96.51
 $\Delta = 14^\circ 39' 15''$ (RT)
 $D = 116^\circ 27' 36''$
 $R = 49.20'$
 $T = 6.33'$
 $L = 12.58'$
 $E = 0.41'$
 P.C. STA. = 2+90.18
 P.T. STA. = 3+02.76

PROP. CURVE SIDEWLK12
 PI STA. = 3+09.85
 $\Delta = 43^\circ 08' 25''$ (RT)
 $D = 319^\circ 40' 27''$
 $R = 17.92'$
 $T = 7.09'$
 $L = 13.50'$
 $E = 1.35'$
 P.C. STA. = 3+02.76
 P.T. STA. = 3+16.26

PROP. CURVE SIDEWLK13
 PI STA. = 3+26.64
 $\Delta = 44^\circ 55' 21''$ (RT)
 $D = 228^\circ 10' 13''$
 $R = 25.11'$
 $T = 10.38'$
 $L = 19.69'$
 $E = 2.06'$
 P.C. STA. = 3+16.26
 P.T. STA. = 3+35.95

PROP. CURVE SIDEWLK14
 PI STA. = 3+43.77
 $\Delta = 38^\circ 24' 22''$ (RT)
 $D = 255^\circ 10' 52''$
 $R = 22.45'$
 $T = 7.82'$
 $L = 15.05'$
 $E = 1.32'$
 P.C. STA. = 3+35.95
 P.T. STA. = 3+51.00

BENCHMARKS

OSBM 19-50 - SOUTH SIDE OF OAKTON STREET ON THE EAST SIDE OF THE BRIDGE OVER THE NORTH BRANCH OF THE CHICAGO RIVER ON THE SOUTHERLY BOLT OF HANDRAIL.
 ELEV = 624.09 (NAVD88)

HORIZONTAL CONTROL POINTS					
CP #	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
17002	1952716.049	1130748.325	X-CUT	3+21.20	273.18 LT
15637	1952639.565	1130959.887	X-CUT	3+20.92	48.23 LT
10518	1952519.255	1131101.340	X-CUT	35+12.59	153.60 LT
10578	1952657.711	1131383.092	X-CUT	37+43.54	66.88 LT
15546	1952661.082	1131478.926	X-CUT	38+09.84	18.94 LT
15545	1952521.312	1131327.009	PK NAIL	36+13.01	3.26 RT
15565	1952534.549	1131351.024	PK NAIL	36+46.90	12.59 RT
15575	1952546.358	1131352.032	PK NAIL	36+55.32	4.25 RT

PROP. CURVE CALOAK_26
 PI STA. = 35+54.05
 $\Delta = 10^\circ 40' 36''$ (RT)
 $D = 63^\circ 39' 43''$
 $R = 90.00'$
 $T = 8.41'$
 $L = 16.77'$
 $E = 0.39'$
 P.C. STA. = 35+45.64
 P.T. STA. = 35+62.41

PROP. CURVE CALOAK_27
 PI STA. = 36+22.89
 $\Delta = 14^\circ 53' 27''$ (LT)
 $D = 95^\circ 29' 35''$
 $R = 60.00'$
 $T = 7.84'$
 $L = 15.59'$
 $E = 0.51'$
 P.C. STA. = 36+15.05
 P.T. STA. = 36+30.64

PROP. CURVE CALOAK_28
 PI STA. = 37+98.69
 $\Delta = 40^\circ 12' 18''$ (RT)
 $D = 114^\circ 35' 30''$
 $R = 50.00'$
 $T = 18.30'$
 $L = 35.09'$
 $E = 3.24'$
 P.C. STA. = 37+80.39
 P.T. STA. = 38+15.47

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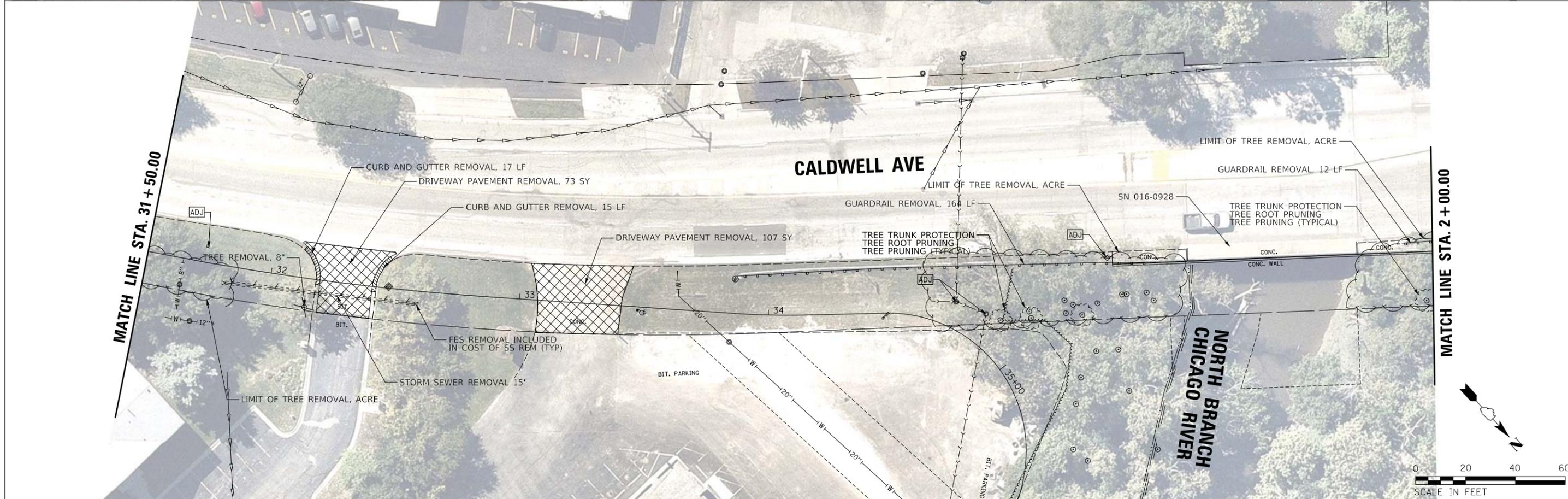
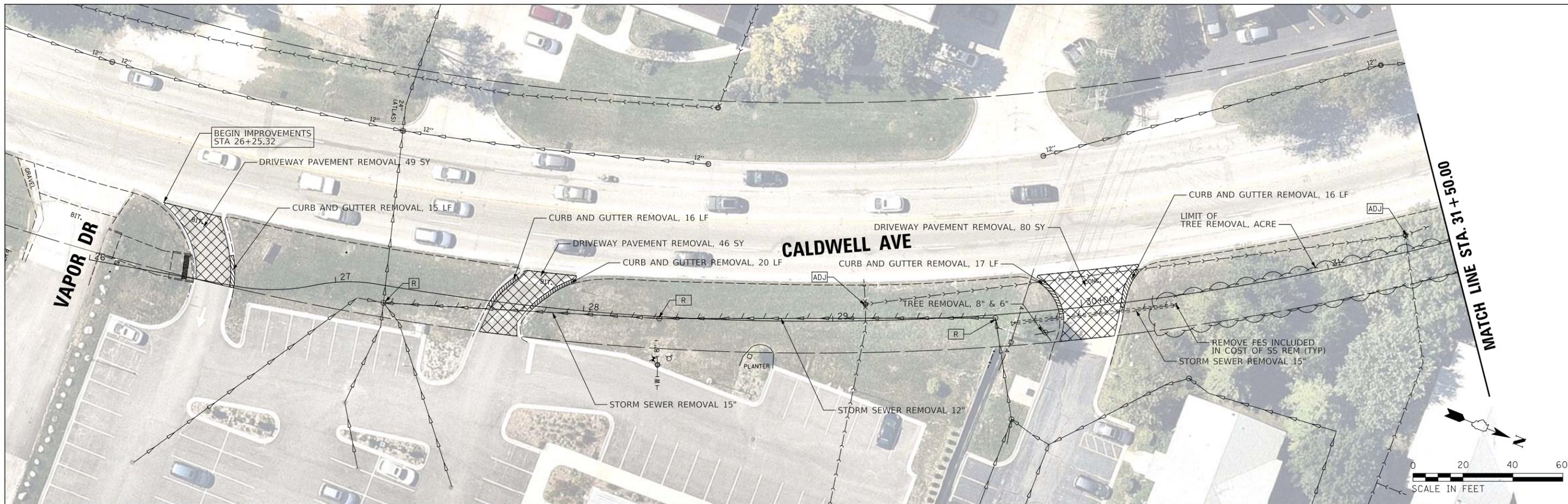
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ALIGNMENT, TIES AND BENCHMARK

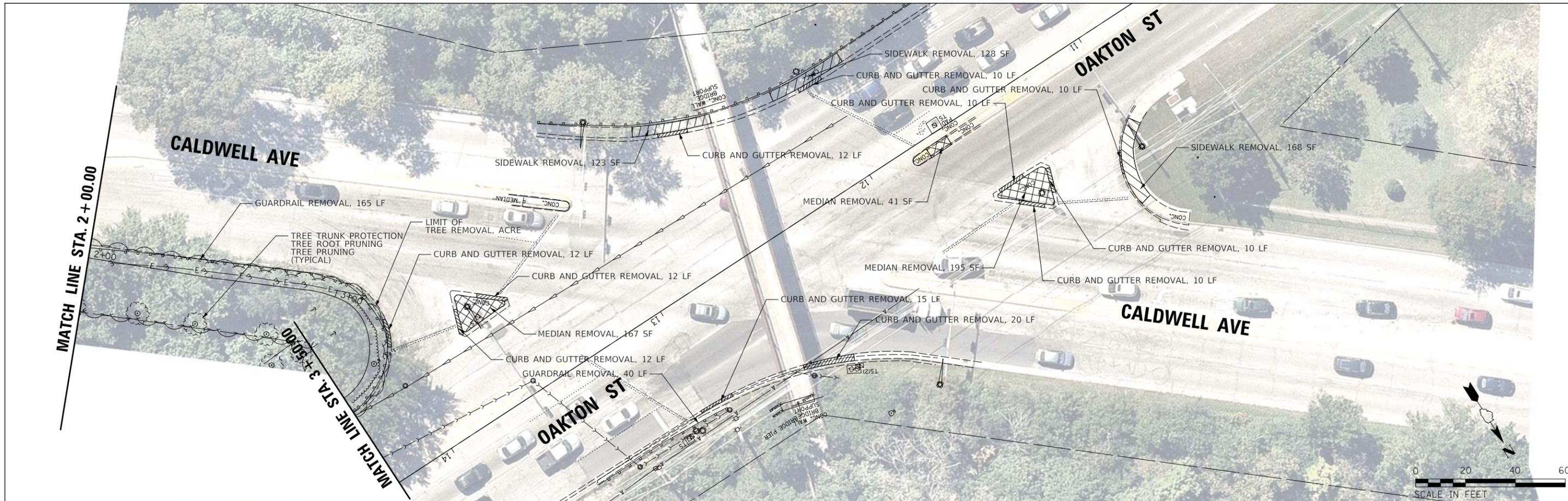
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	19-00108-01-BT	COOK	72	13
CONTRACT NO. 61H82				
ILLINOIS FED. AID PROJECT				

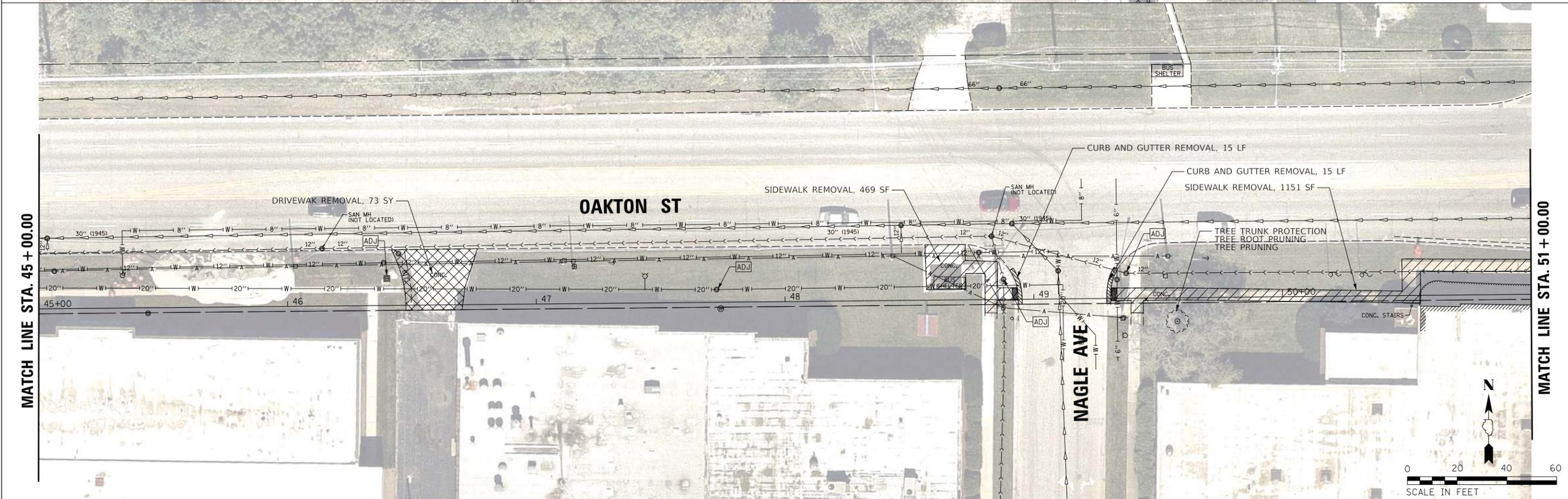
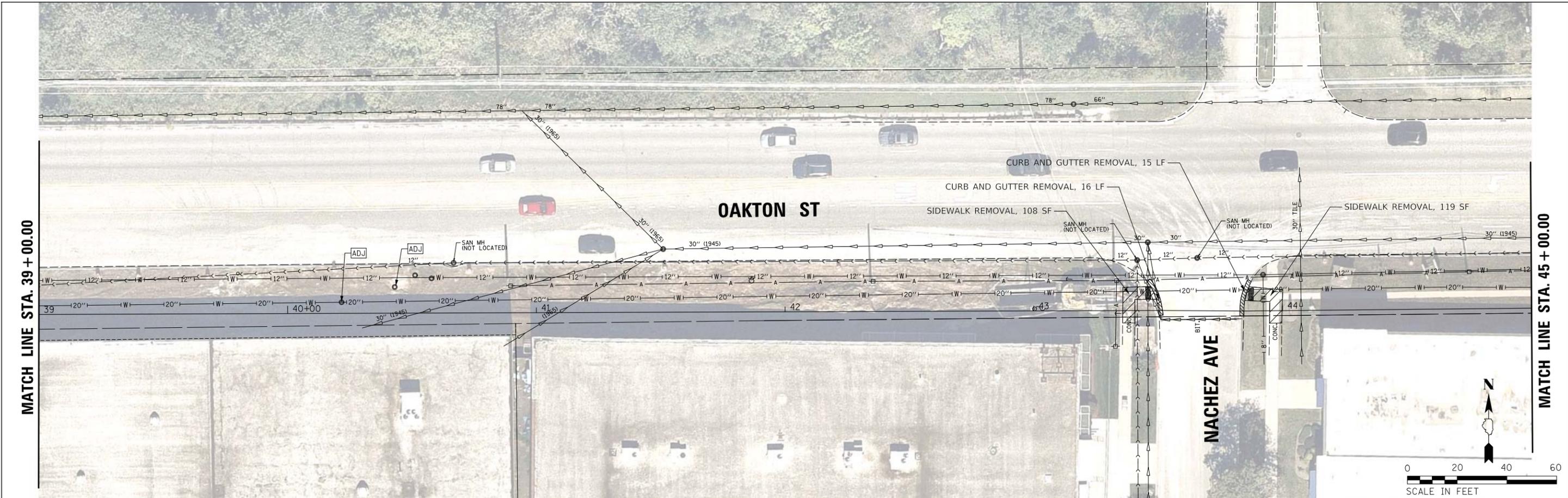
MATCH LINE STA. 42 + 00.00



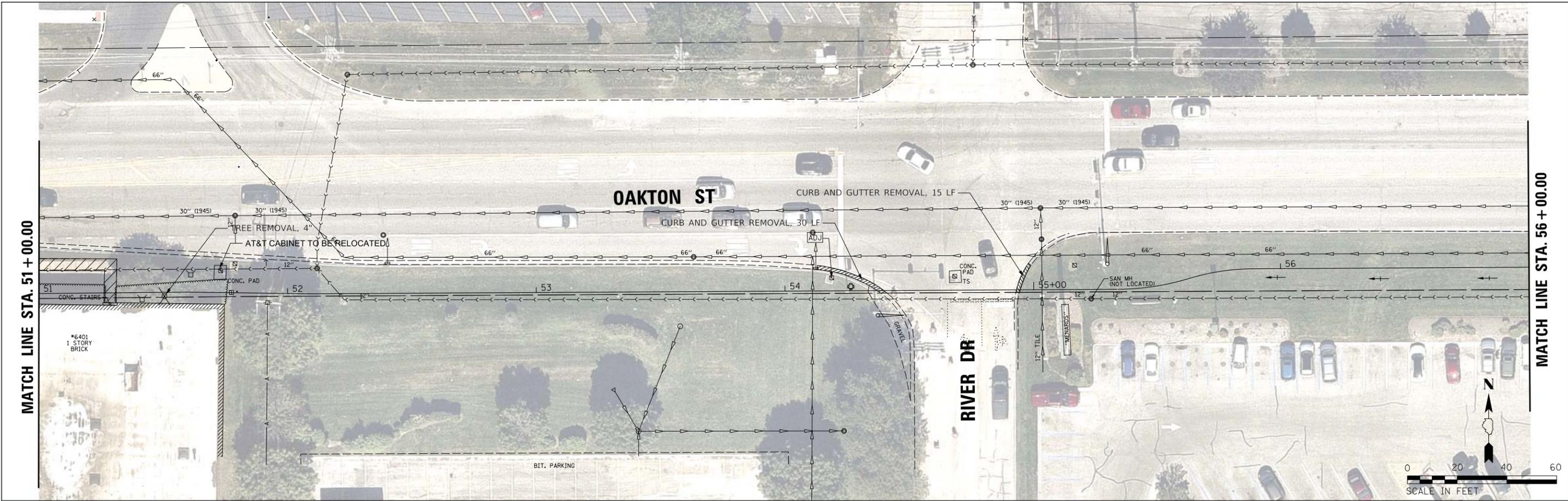
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Default	PLOT SCALE = 28'	CHECKED - LMF	REVISED -								CONTRACT NO. 61H82				
	PLOT DATE = 5/6/2022	DATE - 1-14-2022	REVISED -								ILLINOIS FED. AID PROJECT				



FILE NAME =	USER NAME = dconnell	DESIGNED - DOC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REMOVAL PLANS				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
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Default	PLOT SCALE = 28'	CHECKED - LMF	REVISED -									CONTRACT NO. 61H82				
	PLOT DATE = 5/6/2022	DATE - 1-14-2022	REVISED -									ILLINOIS FED. AID PROJECT				



FILE NAME =	USER NAME = doconnell	DESIGNED - DOC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REMOVAL PLANS				F.A.U. RT. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\MortonGrove\190025\Civil\REM.190025.03.SHT		DRAWN - DOC	REVISED -		1332	19-00108-01-BT	COOK	72	16				
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	PLOT DATE = 5/6/2022	DATE - 1-14-2022	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT	



FILE NAME = N:\MortonGrove\190025\Civil\REM.190025.04.SHT	USER NAME = doconnell	DESIGNED - DOC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REMOVAL PLANS				F.A.U. RTE. 1332	SECTION 19-00108-01-BT	COUNTY COOK	TOTAL SHEETS 72	SHEET NO. 17
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Default	PLOT DATE = 5/6/2022	DATE - 1-14-2022	REVISED -							ILLINOIS FED. AID PROJECT			



FILE NAME =	USER NAME = doconnell	DESIGNED - DOC	REVISED -
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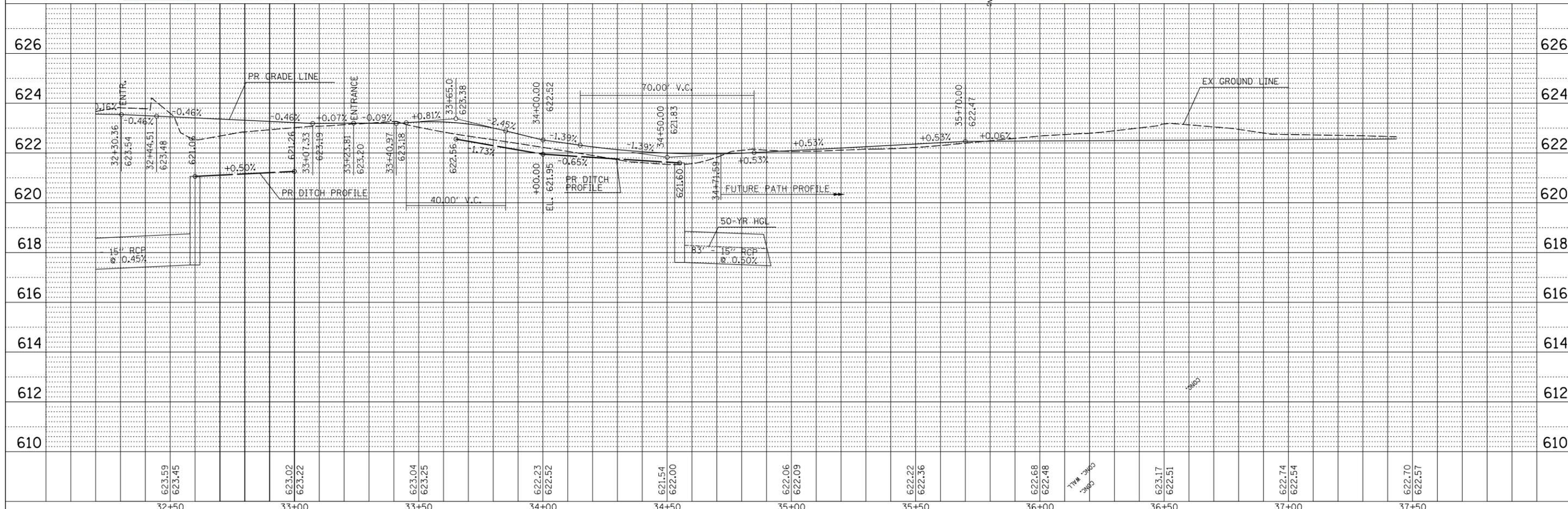
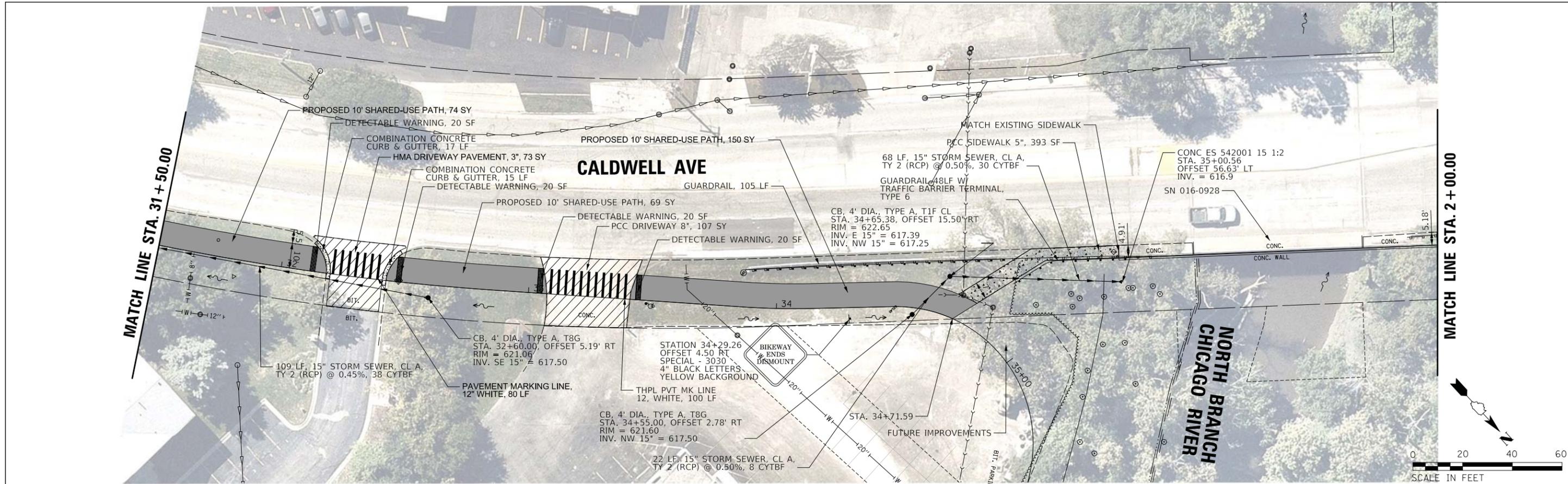
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

REMOVAL PLANS				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	19-00108-01-BT	COOK	72	18
			CONTRACT NO. 61H82	
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	ALIGNED	
	FILED	
	CARD	
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	NAME	
	NO.	

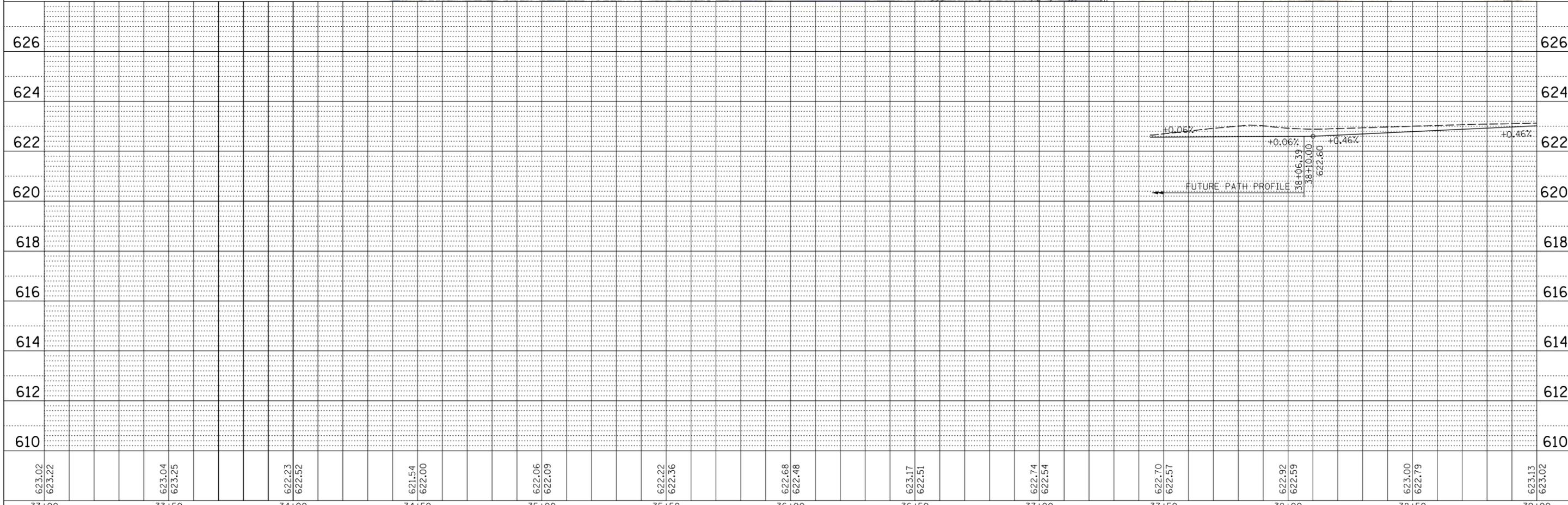
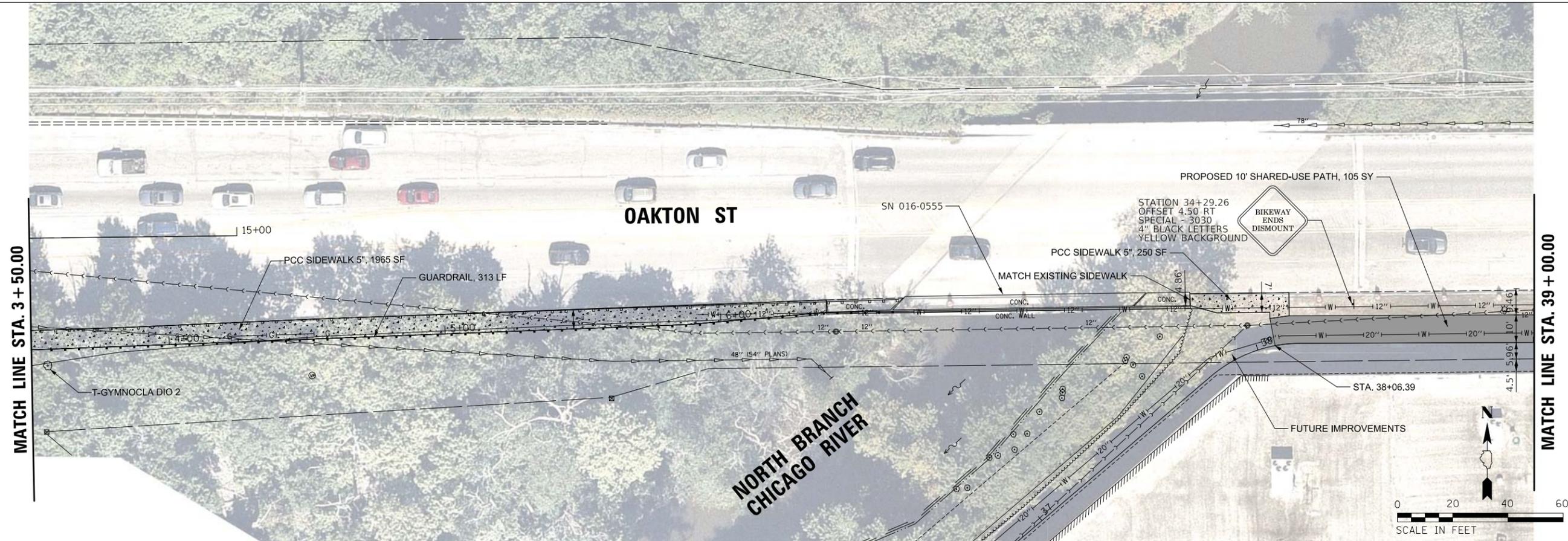
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	PLOTTED	BY
	CHECKED	
	GRADES	
	STRUCTURE	
	NOTATIONS	
	CHRD	
	NO.	



623.59	623.45	623.02	623.22	623.04	623.25	622.23	622.52	621.54	622.00	622.06	622.09	622.22	622.36	622.68	622.48	623.17	622.51	622.74	622.54	622.70	622.57
32+50		33+00		33+50		34+00		34+50		35+00		35+50		36+00		36+50		37+00		37+50	

PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	ALIGNED	
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	FILE NAME	

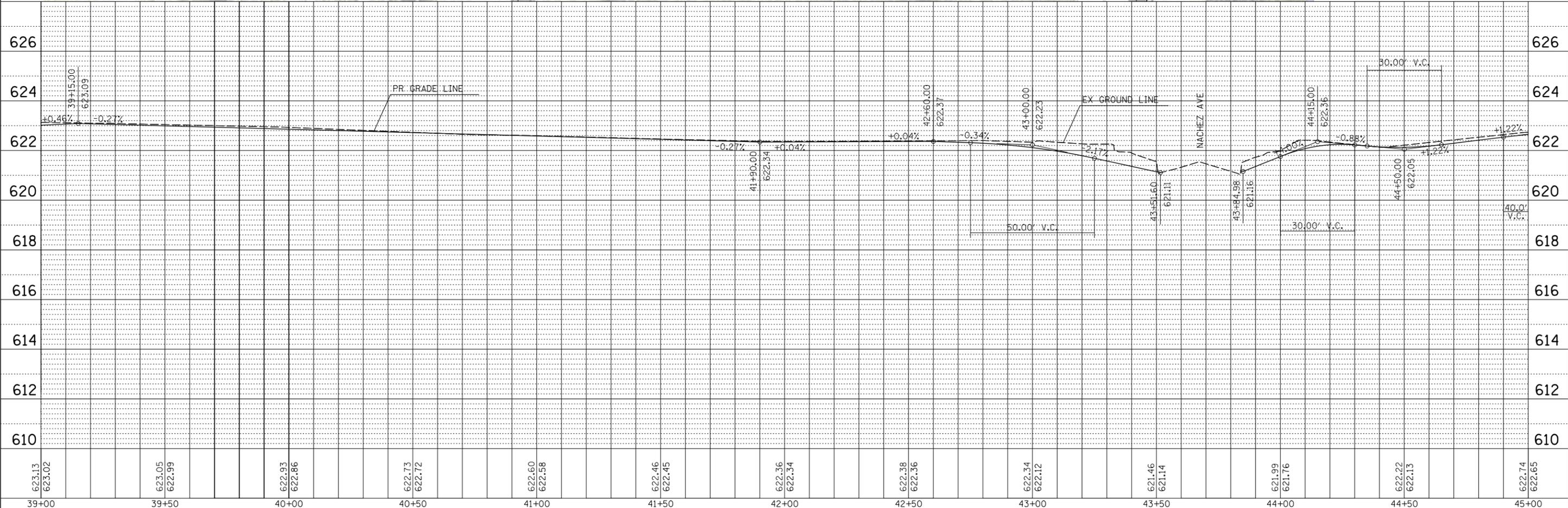
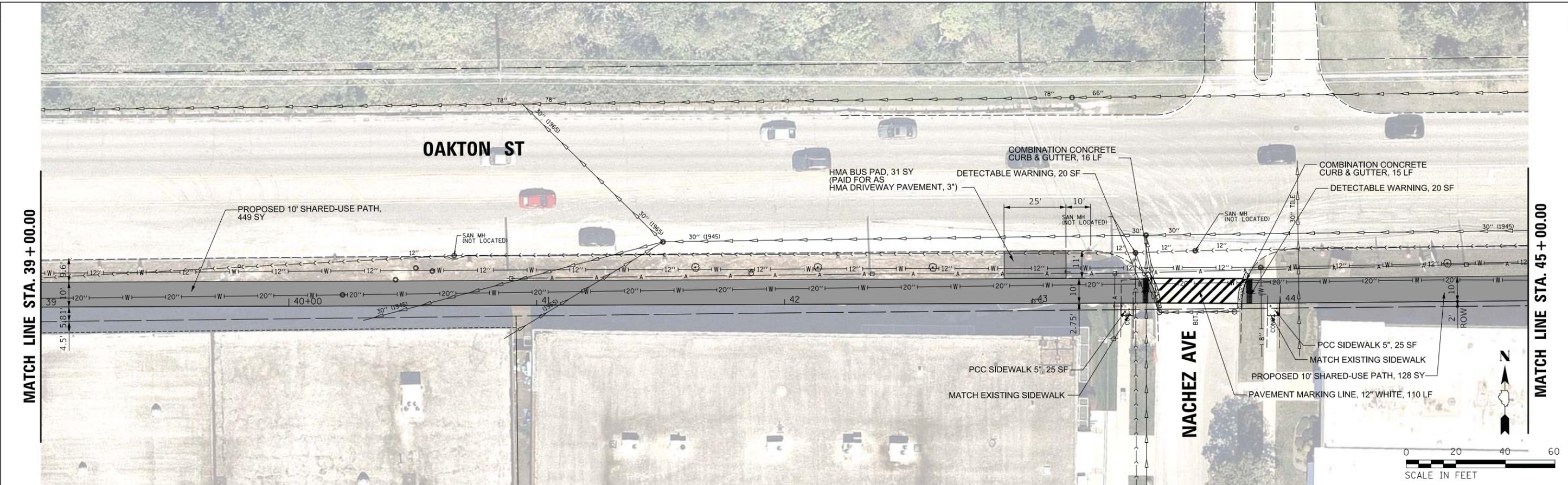
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	PLOTTED	BY
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	CHWD	
	NO.	



623.02 623.22	623.04 623.25	622.23 622.52	621.54 622.00	622.06 622.09	622.22 622.36	622.68 622.48	623.17 622.51	622.74 622.54	622.70 622.57	622.92 622.59	623.00 622.79	623.13 623.02
33+00	33+50	34+00	34+50	35+00	35+50	36+00	36+50	37+00	37+50	38+00	38+50	39+00

PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	ALIGNED	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
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	GRADES	
	STRUCTURE	
	NOTATION	
	CHRD	



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Default		CHECKED - LMF	REVISED -
		DATE - 1-14-2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN & PROFILE

SCALE: 20	SHEET	OF	SHEETS	STA. 39+00	TO STA. 45+00
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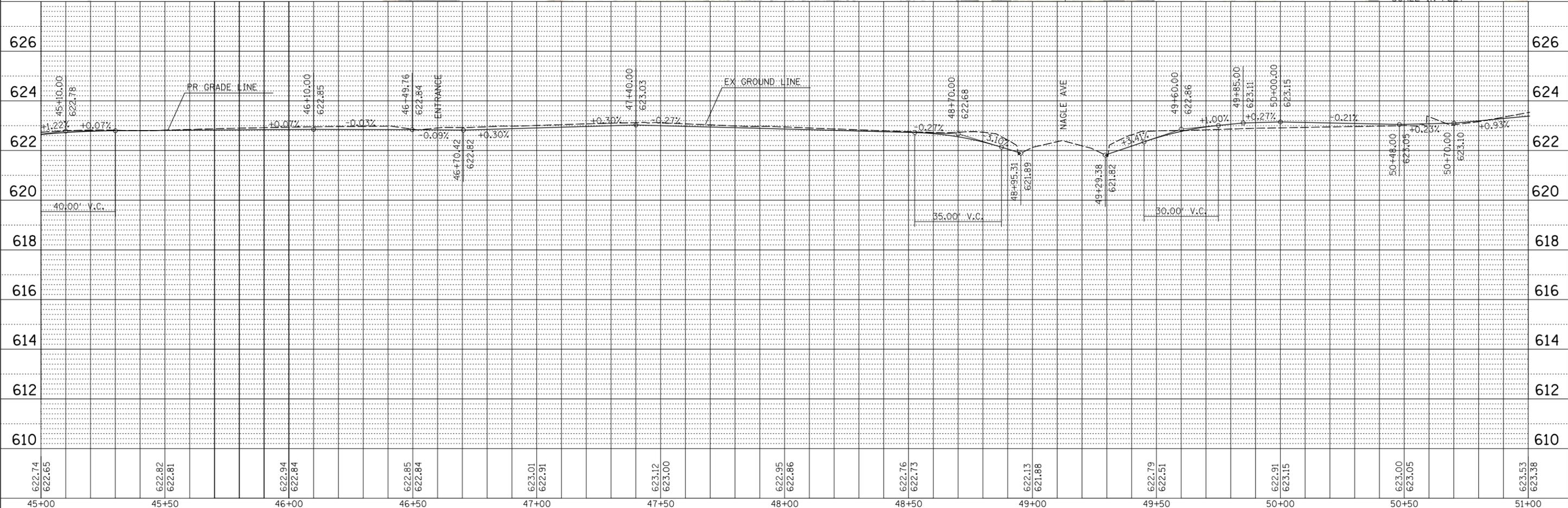
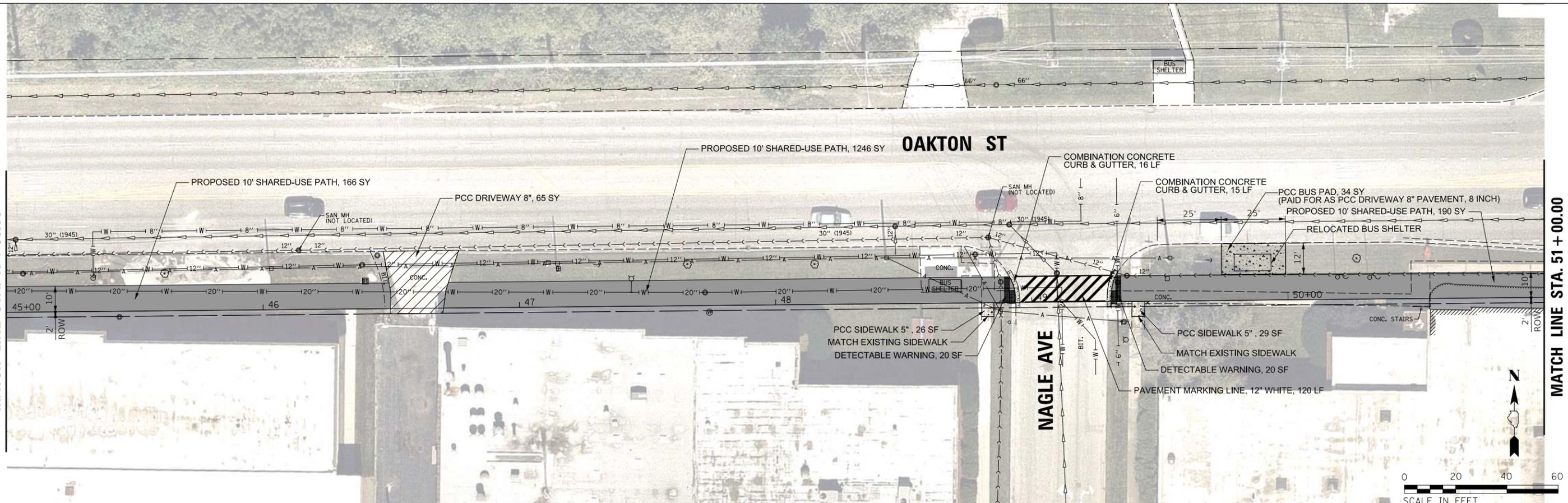
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	19-00108-01-BT	COOK	72	23
CONTRACT NO. 61H82			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO. _____	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO. _____	
	FILE NAME	

MATCH LINE STA. 45 + 00.00

MATCH LINE STA. 51 + 00.00



FILE NAME =	USER NAME = docconnell	DESIGNED - DOC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN & PROFILE SCALE: 20 SHEET OF SHEETS STA. 45+00 TO STA. 51+00	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\MortonGrove\190025\Cv11\RPP.190025.06.SHT		DRAWN - DOC	REVISED -			1332	19-00108-01-BT	COOK	72	24	
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		DATE - 1-14-2022	REVISED -			ILLINOIS FED. AID PROJECT					

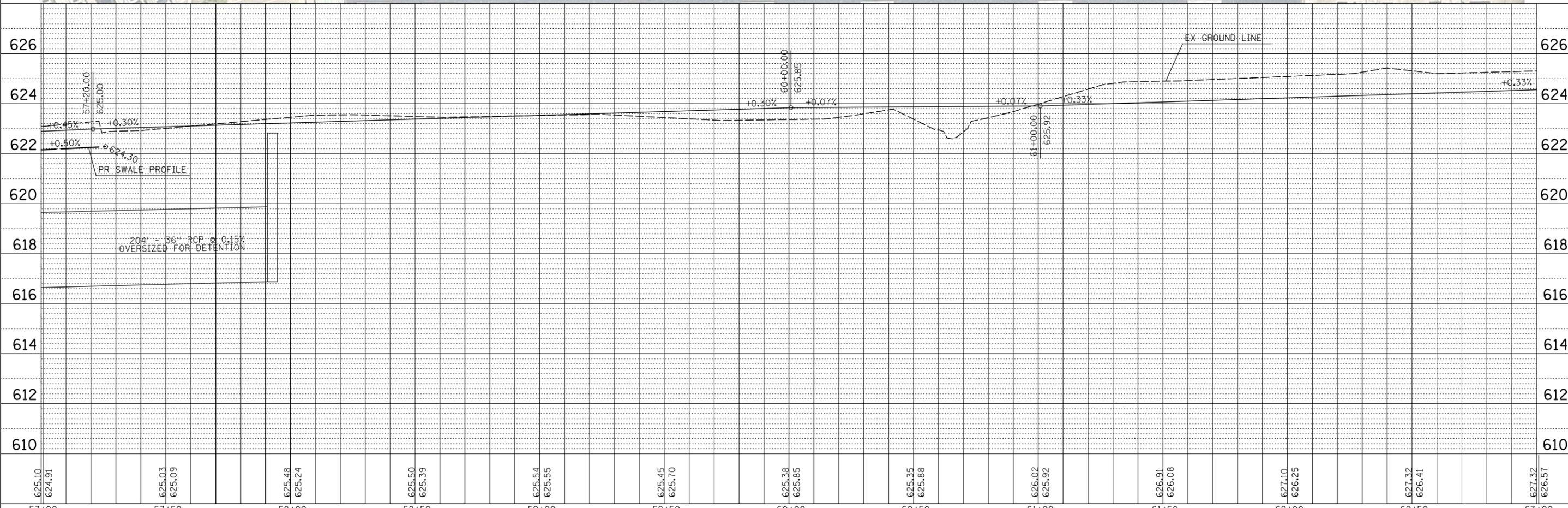
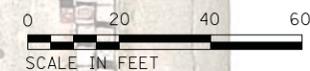
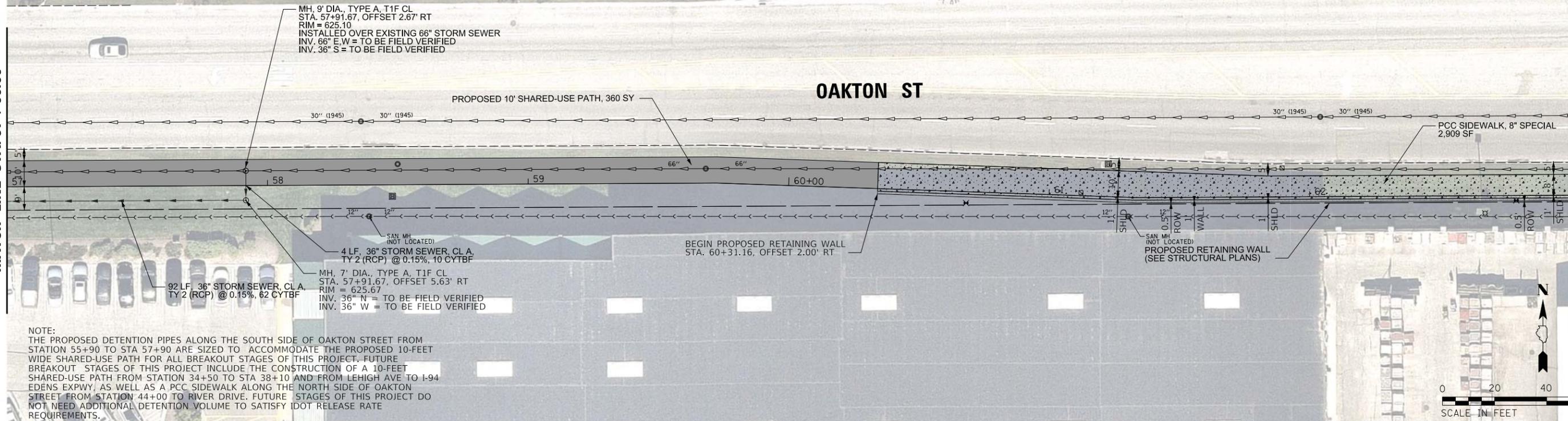
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	ALIGNED	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	STRUCTURE	
	NOTATION	
	NO.	

MATCH LINE STA. 57 + 00.00

MATCH LINE STA. 63 + 00.00

OAKTON ST



625.10 624.91	625.03 625.09	625.48 625.24	625.50 625.39	625.54 625.55	625.45 625.70	625.38 625.85	625.35 625.88	626.02 625.92	626.91 626.08	627.10 626.25	627.32 626.41	627.32 626.57
57+00	57+50	58+00	58+50	59+00	59+50	60+00	60+50	61+00	61+50	62+00	62+50	63+00

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

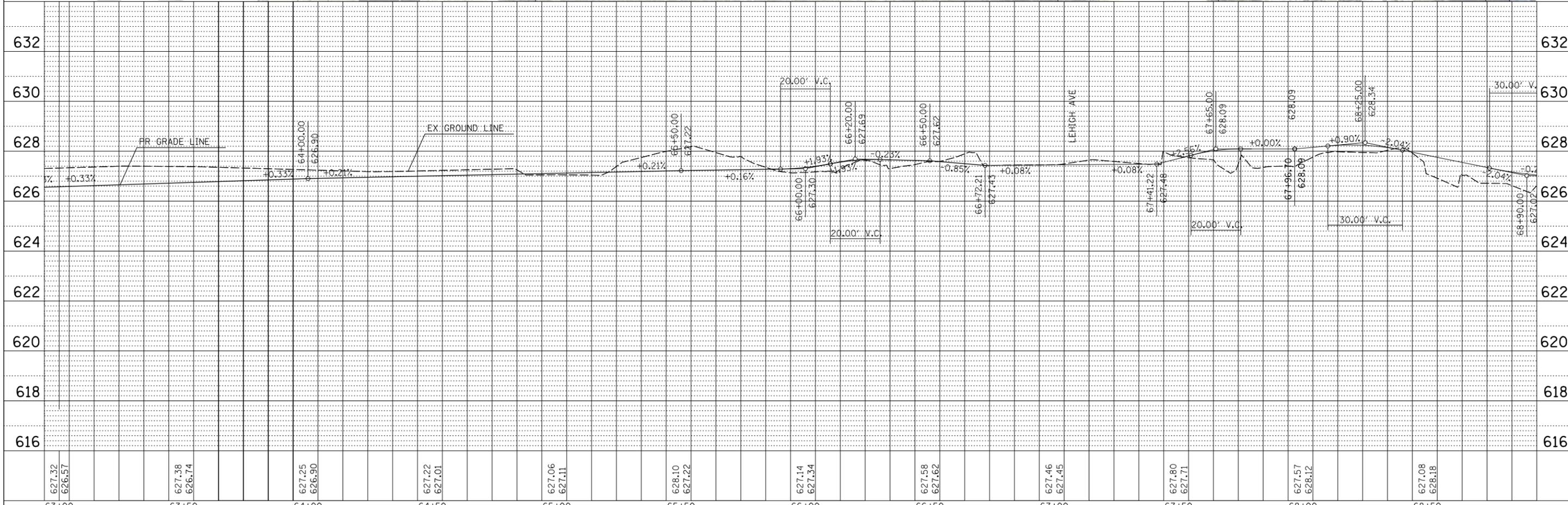
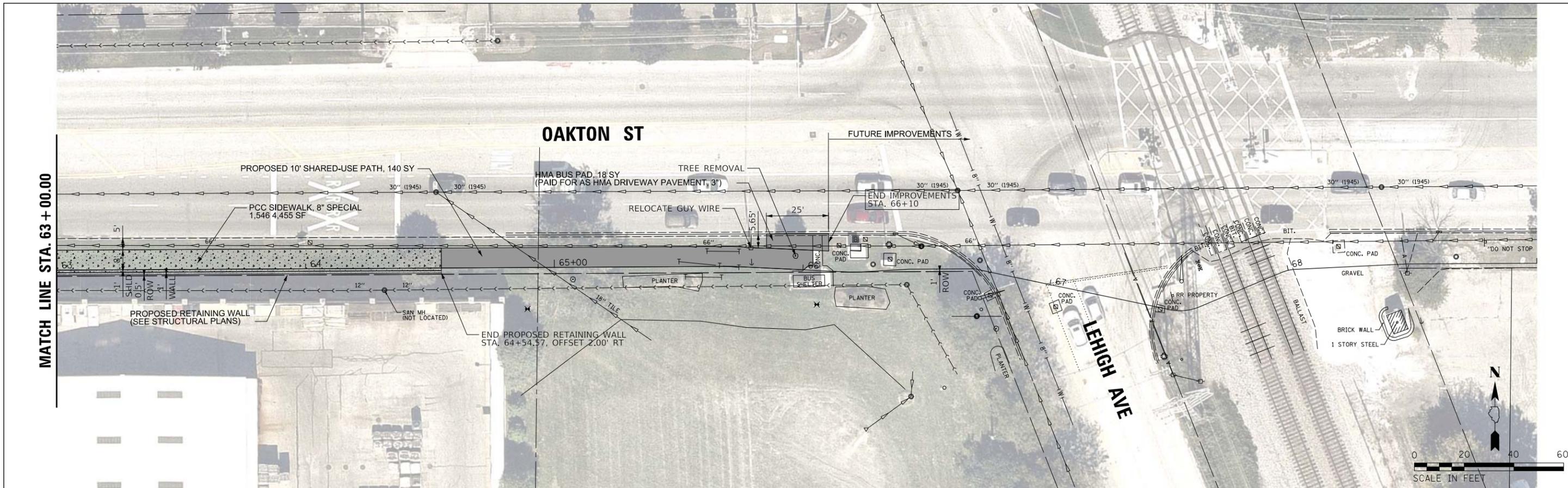
PLAN & PROFILE

SCALE: 20 SHEET OF SHEETS STA. 57+00 TO STA. 63+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	19-00108-01-BT	COOK	72	26
CONTRACT NO. 61H82			ILLINOIS FED. AID PROJECT	

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

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



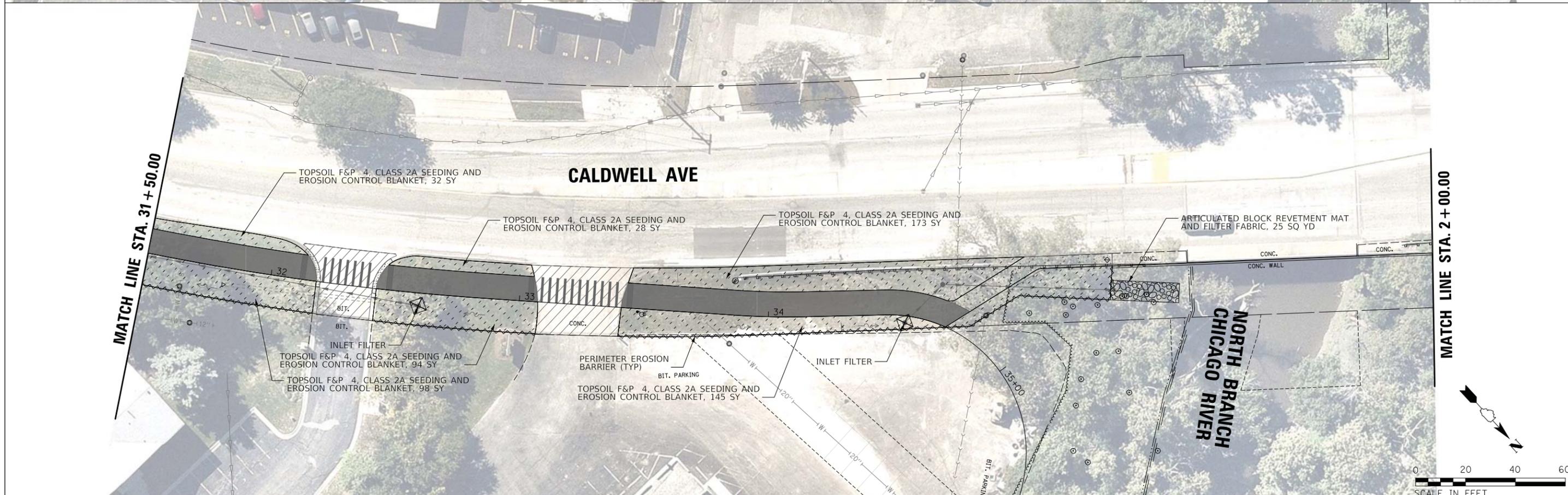
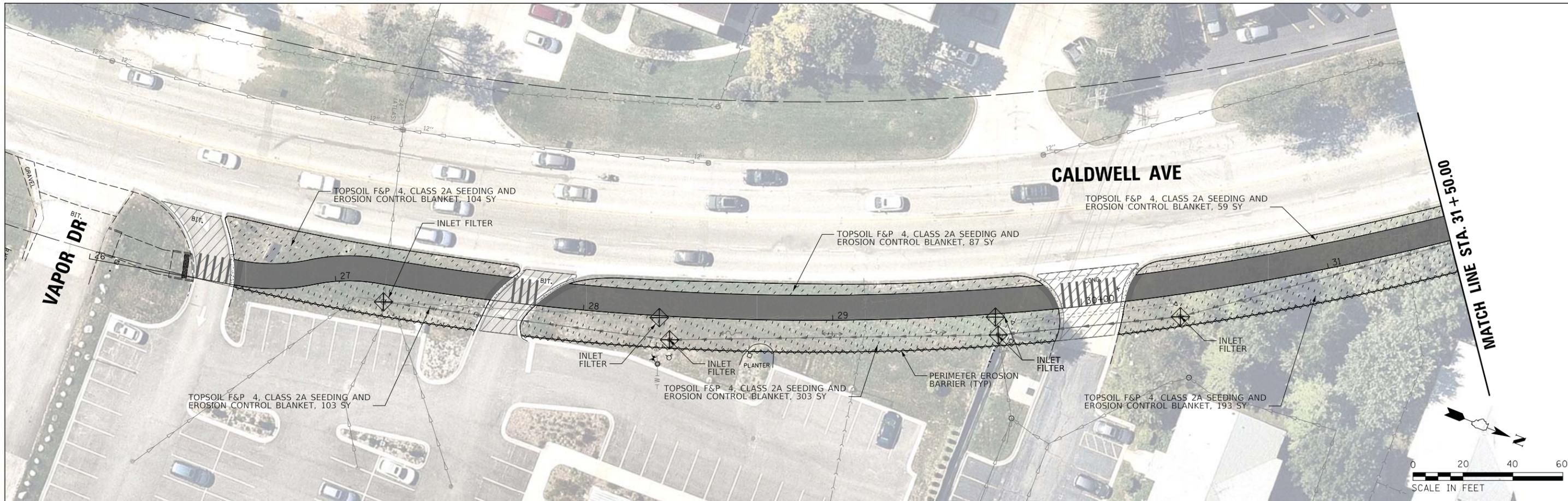
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

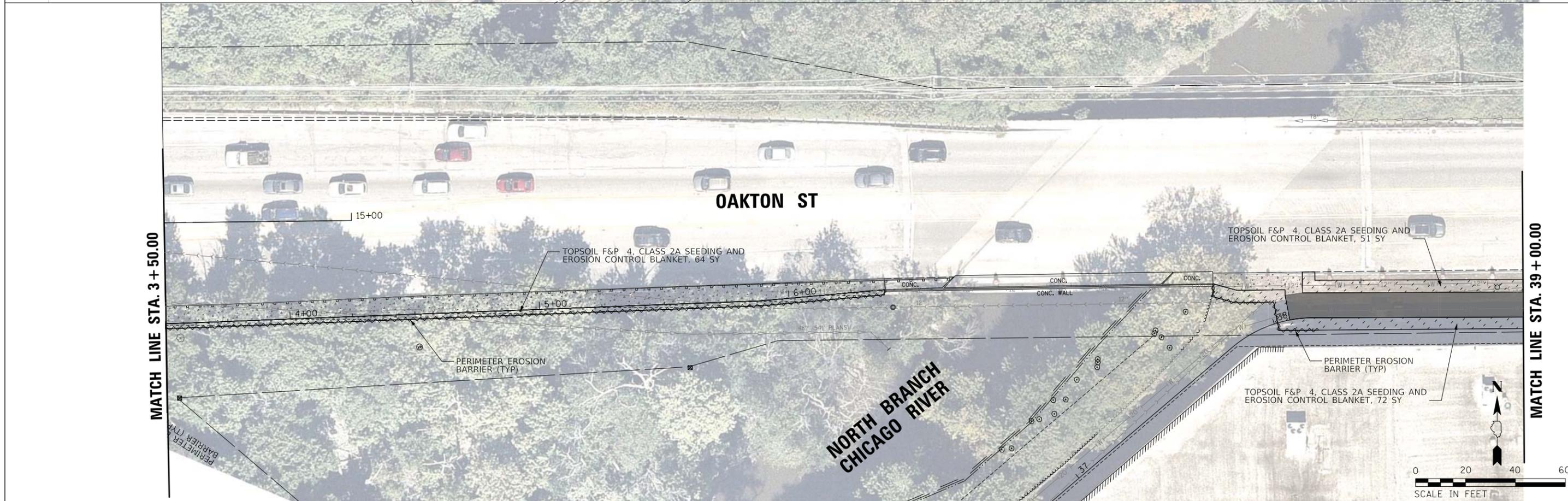
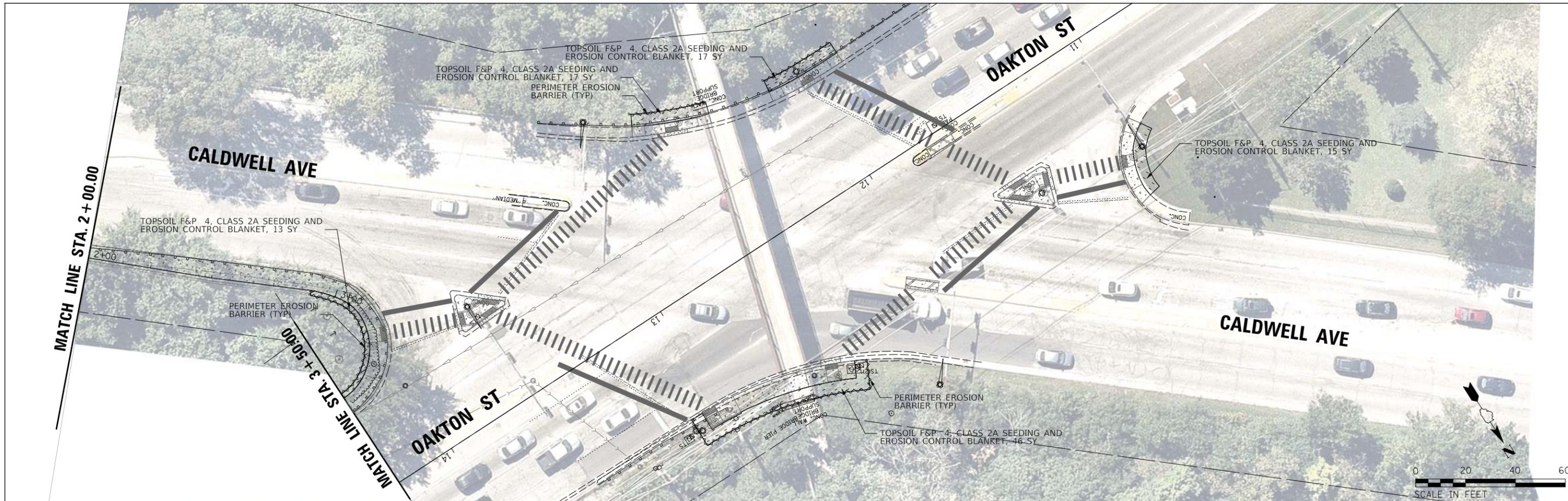
PLAN & PROFILE

SCALE: 20 SHEET OF SHEETS STA. 63+00 TO STA. 69+00

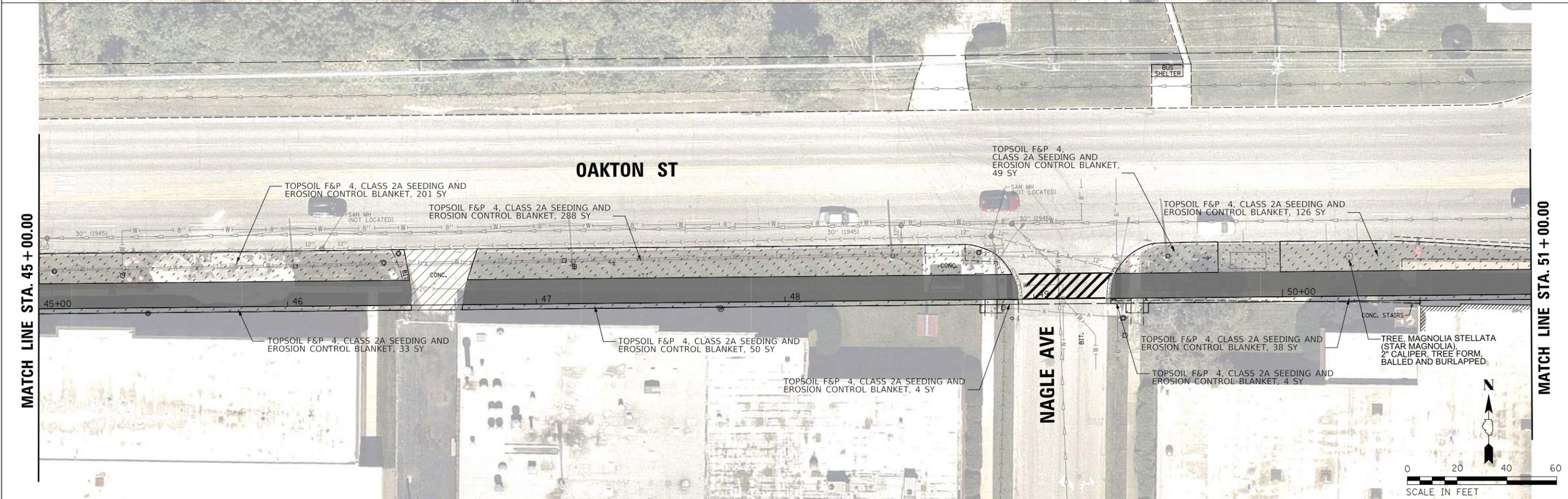
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	19-00108-01-BT	COOK	72	27
CONTRACT NO. 61H82			ILLINOIS FED. AID PROJECT	



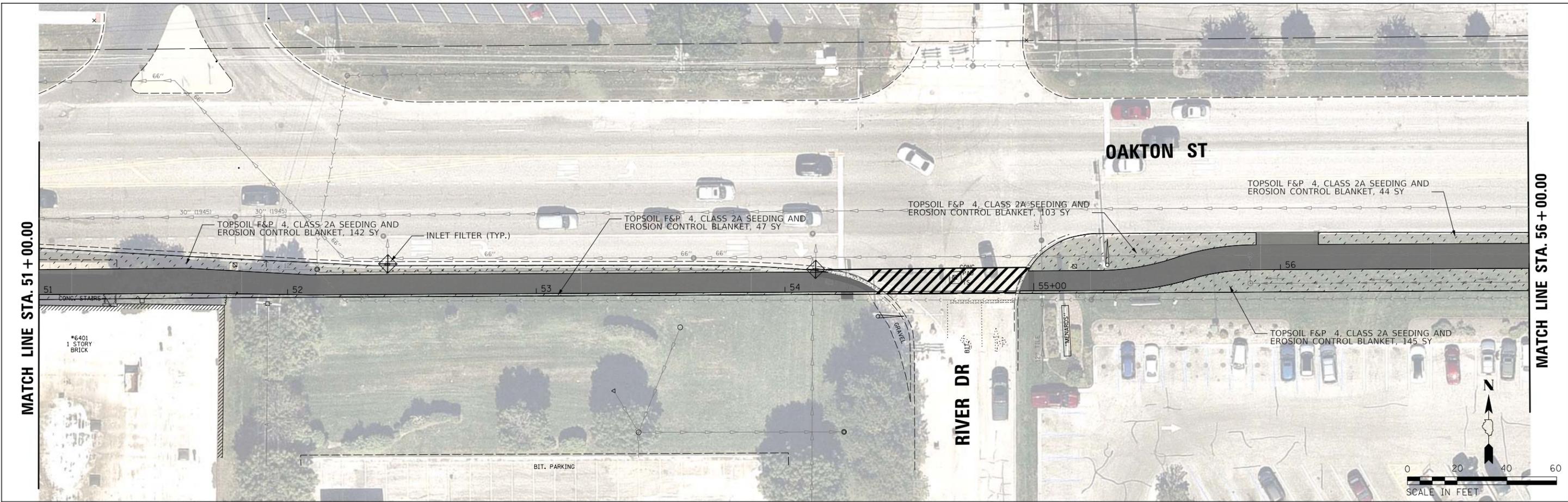
FILE NAME =	USER NAME = dconnell	DESIGNED - DOC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL AND LANDSCAPING PLAN				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\MortonGrove\190025\Civil\ERD\190025.01.SHT		DRAWN - DOC	REVISED -		1332	19-00108-01-BT	COOK	72	28				
Default	PLOT SCALE = 28'	CHECKED - LMF	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 61H82				
	PLOT DATE = 5/6/2022	DATE - 1-14-2022	REVISED -						ILLINOIS FED. AID PROJECT				



FILE NAME = N:\MortonGrove\190025\Civil\ERD\190025_02.SHT	USER NAME = doconnell	DESIGNED - DOC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL AND LANDSCAPING PLAN				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
Default	PLOT SCALE = 28'	CHECKED - LMF	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	1332	19-00108-01-BT	COOK	72	29
	PLOT DATE = 5/6/2022	DATE - 1-14-2022	REVISED -									CONTRACT NO. 61H82				
												ILLINOIS FED. AID PROJECT				

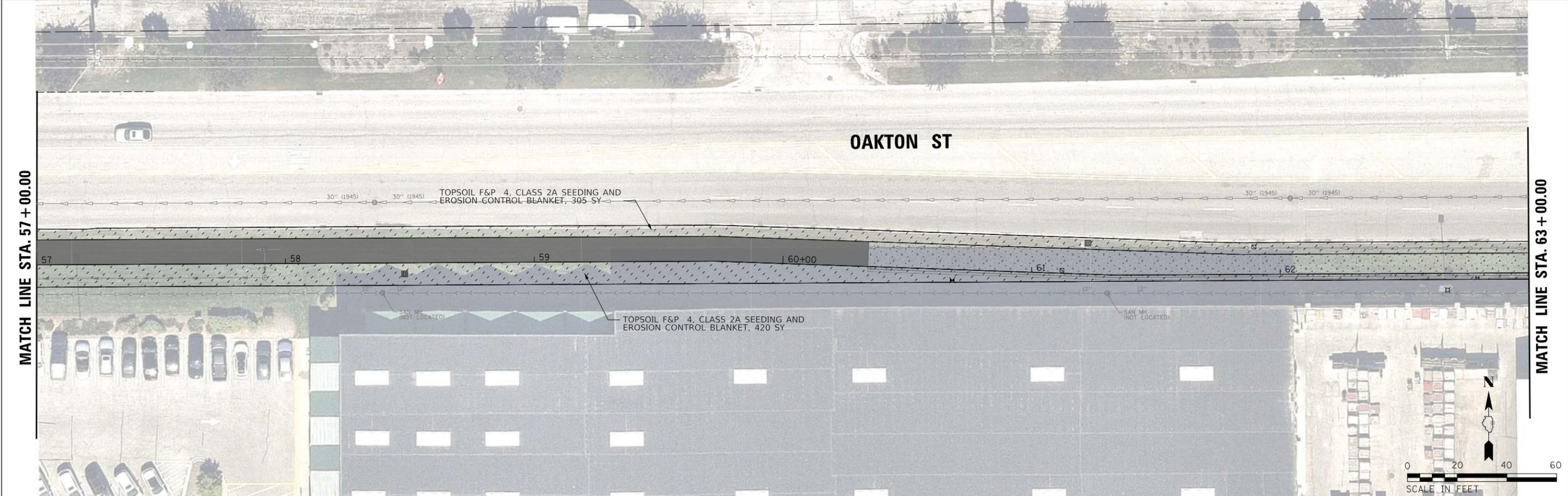


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N:\MortonGrove\190025\Civil\ERO.190025.03.SHT		DRAWN - DOC	REVISED -		1332	19-00108-01-BT	COOK	72	30				
Default	PLOT SCALE = 28'	CHECKED - LMF	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 61H82				
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MATCH LINE STA. 51 + 00.00

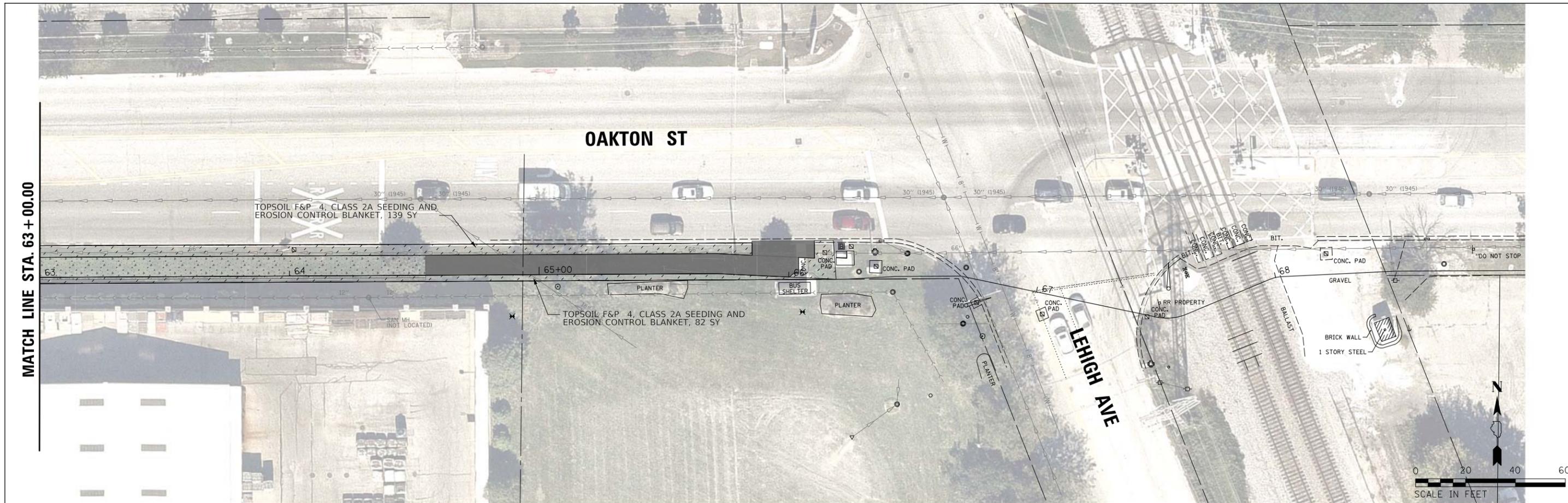
MATCH LINE STA. 56 + 00.00



MATCH LINE STA. 57 + 00.00

MATCH LINE STA. 63 + 00.00

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PLOT SCALE = 28'	CHECKED - LMF	REVISOR - -	SCALE:		SHEET	OF	SHEETS	STA.	TO	STA.	COOK	72	31
PLOT DATE = 5/6/2022	DATE - 1-14-2022	REVISOR - -									CONTRACT NO. 61H82		
											ILLINOIS FED. AID PROJECT		



FILE NAME =	USER NAME = doconnell	DESIGNED - DOC	REVISED -
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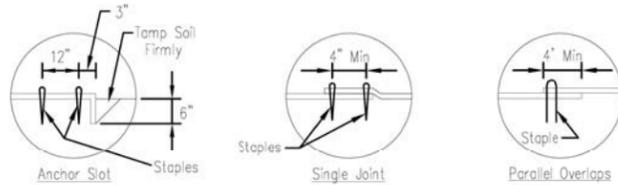
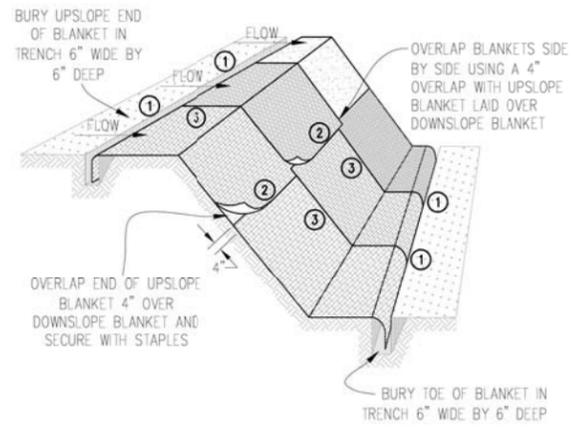
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL AND LANDSCAPING PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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				CONTRACT NO. 61H82
ILLINOIS FED. AID PROJECT				

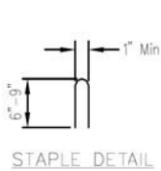
AUTOCAD2006



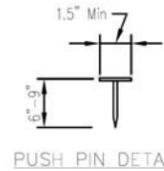
DETAIL 1

DETAIL 2

DETAIL 3



STAPLE DETAIL



PUSH PIN DETAIL

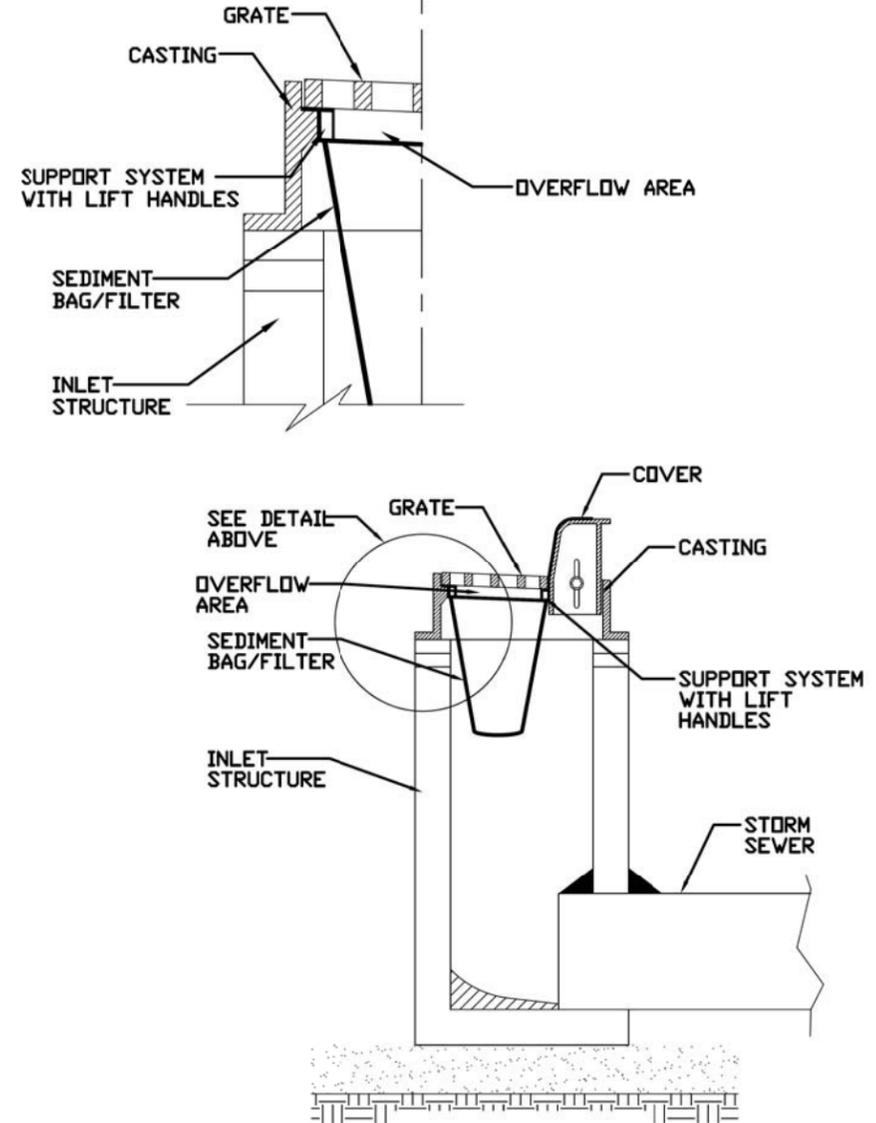
NOTES:

1. Staples shall be placed in a diamond pattern at 2 per s.y. for stiched blankets. Non-stiched shall use 4 staples per s.y. of material. This equates to 200 staples with stiched blanket and 400 staples with non-stiched blanket per 100 s.y. of material.
2. Staple or push pin lengths shall be selected based on soil type and conditions. (minimum staple length is 6")
3. Erosion control material shall be placed in contact with the soil over a prepared seedbed.
4. All anchor slots shall be stapled at approximately 12" intervals.

EROSION CONTROL
BLANKET INSTALLATION DETAILS

Designed	Date
Drawn R. JOHNSON	11/08
Checked	
Approved	

INLET PROTECTION - PAVED AREAS
DROP-IN PROTECTION



REFERENCE	Project	Date
Designed	Date	
Checked	Date	
Approved	Date	



STANDARD DWG. NO.
IUM-561D
SHEET 1 OF 1
DATE 01-11-11

FILE NAME =	USER NAME = dcoconnell	DESIGNED - DOC	REVISED -
N:\MortonGrove\190025\Civil\ERD\190025.06.SHT		DRAWN - DOC	REVISED -
Default	PLOT SCALE = 1'	CHECKED - LMF	REVISED -
	PLOT DATE = 5/6/2022	DATE - 1-14-2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL DETAILS

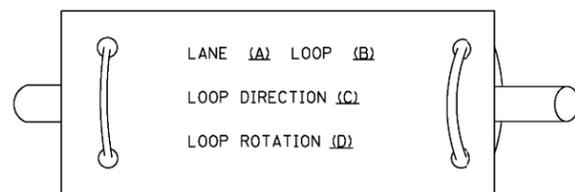
SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	19-00108-01-BT	COOK	72	33
			CONTRACT NO. 61H82	
ILLINOIS FED. AID PROJECT				

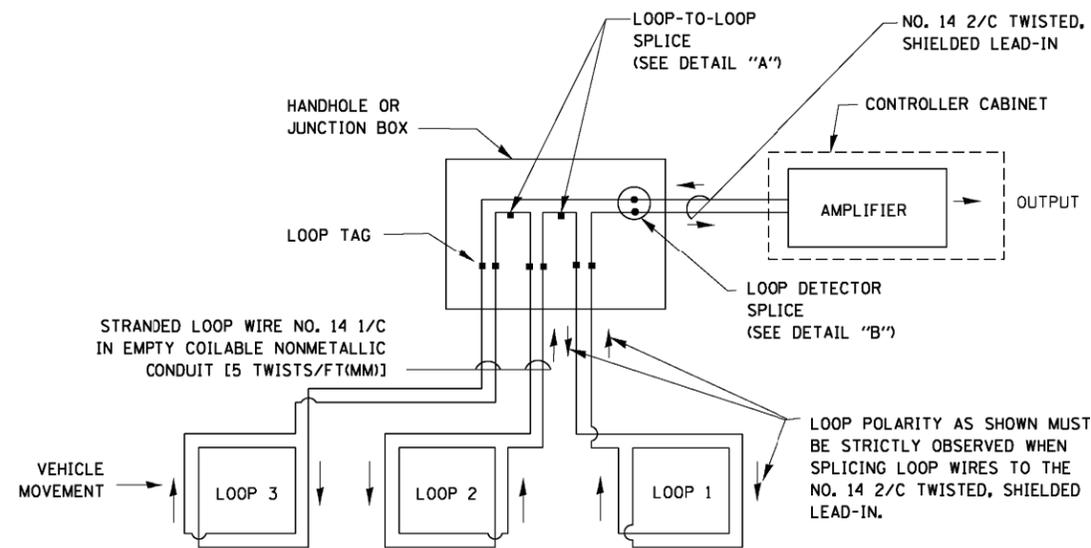
LOOP DETECTOR NOTES

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

LOOP LEAD-IN CABLE TAG

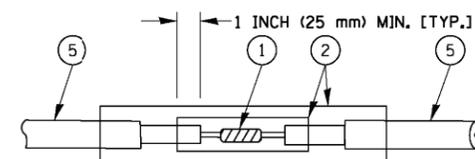


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

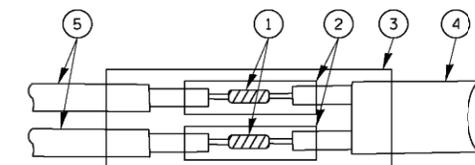


DETECTOR LOOP WIRING SCHEMATIC

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

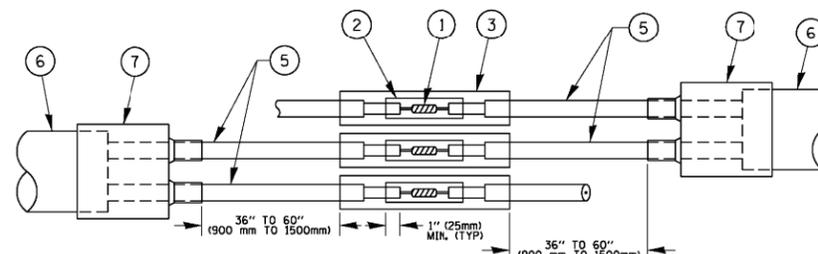


DETAIL "A"
LOOP-TO-LOOP SPLICE

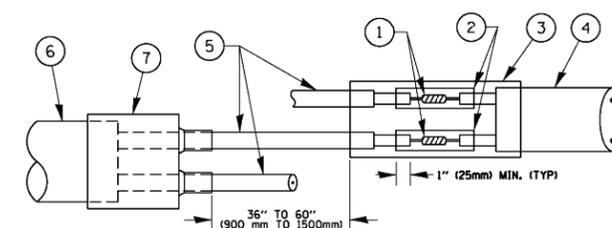


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

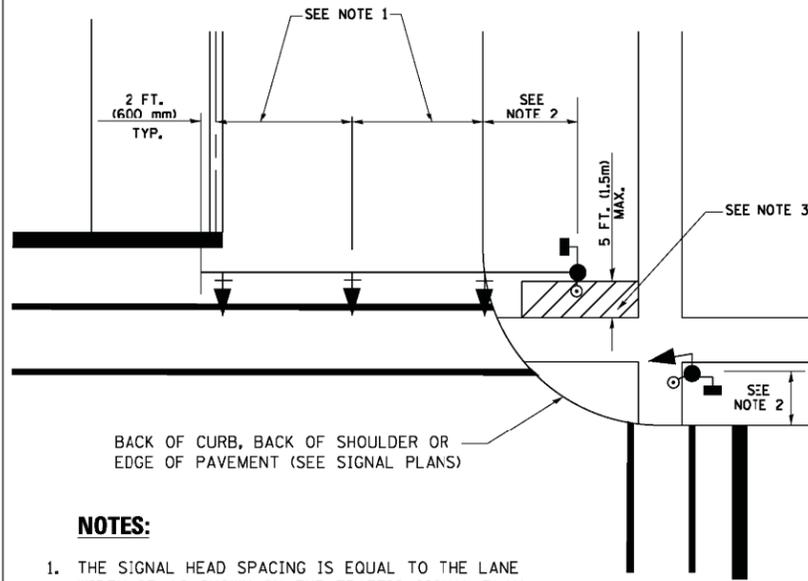
PREFORMED LOOP

LOOP DETECTOR SPLICE

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

FILE NAME =	USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\pw\work\pwi\dot\footemj\d0108315\ts05.pgn		DRAWN - BCK	REVISED -		SCALE: NONE	SHEET NO. 2 OF 7 SHEETS	STA.	TO STA.	COOK	72	35	
		CHECKED - DAD	REVISED -		TS-05		CONTRACT NO. 61H82					
		DATE - 10-28-09	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS/FED. AID PROJECT							

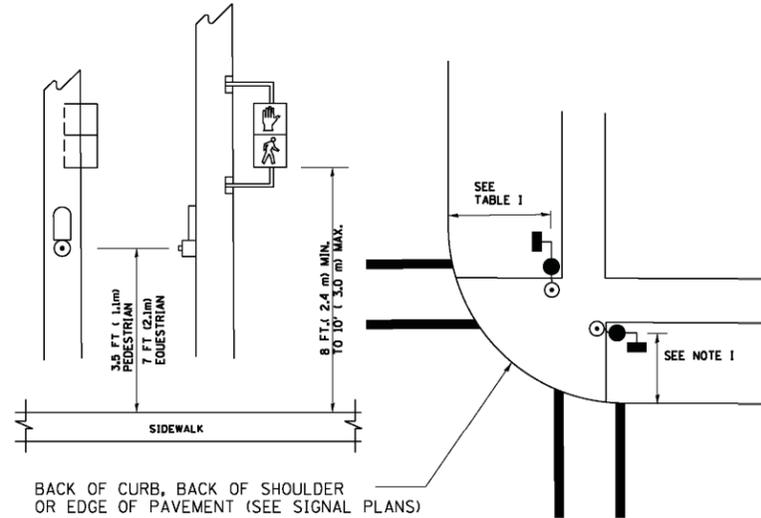
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.**



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."

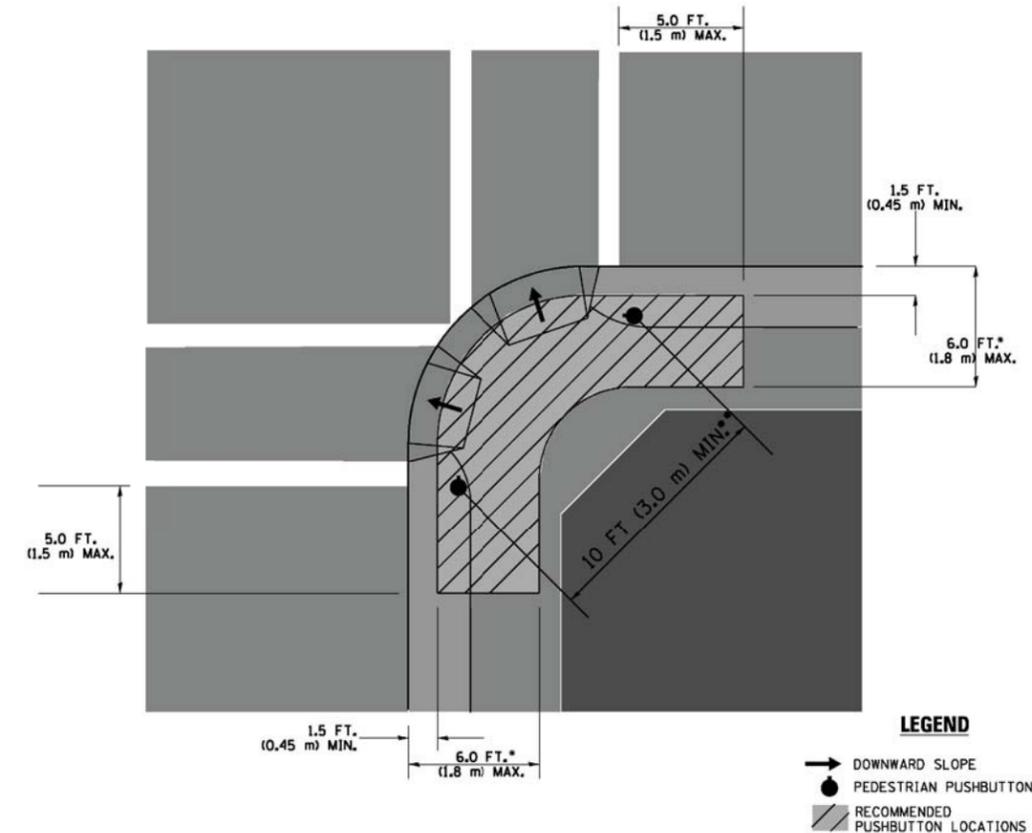
**PEDESTRIAN SIGNAL POST
AND
PEDESTRIAN PUSH BUTTON POST**



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



LEGEND

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- ▨ 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) SEPARATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

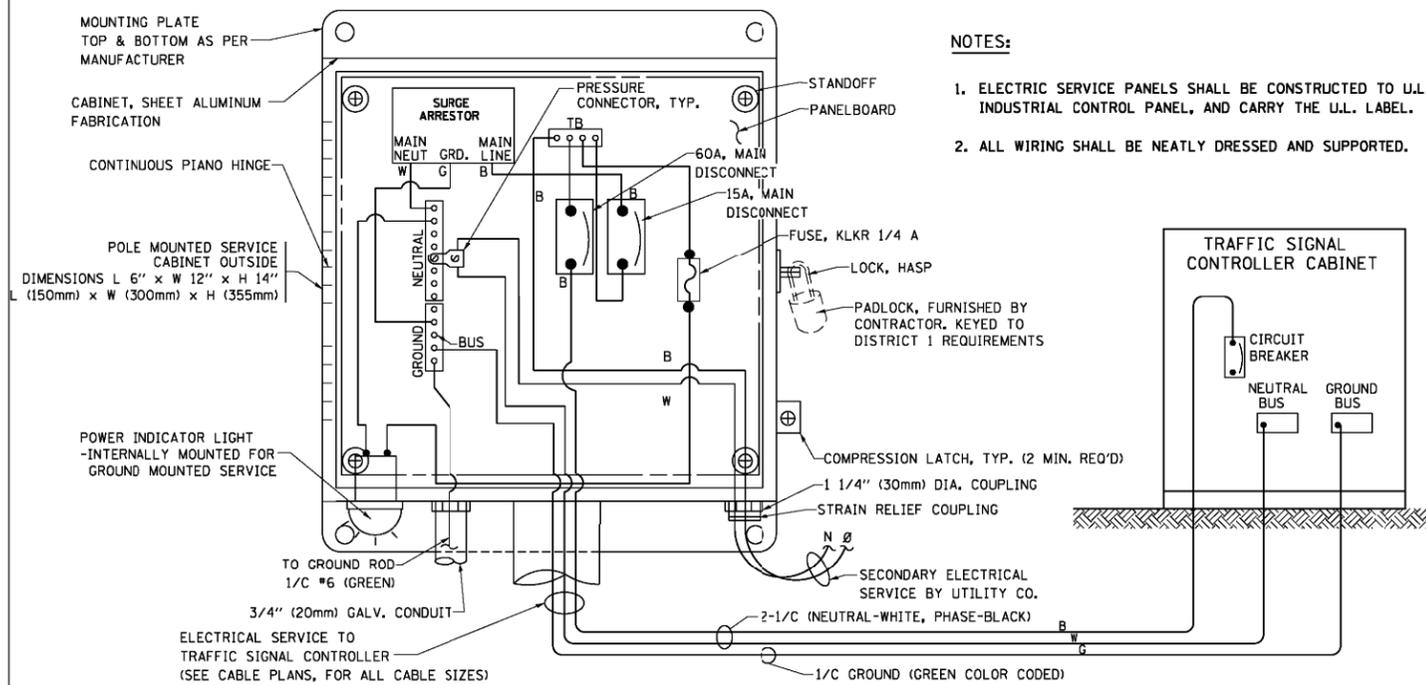
1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM 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

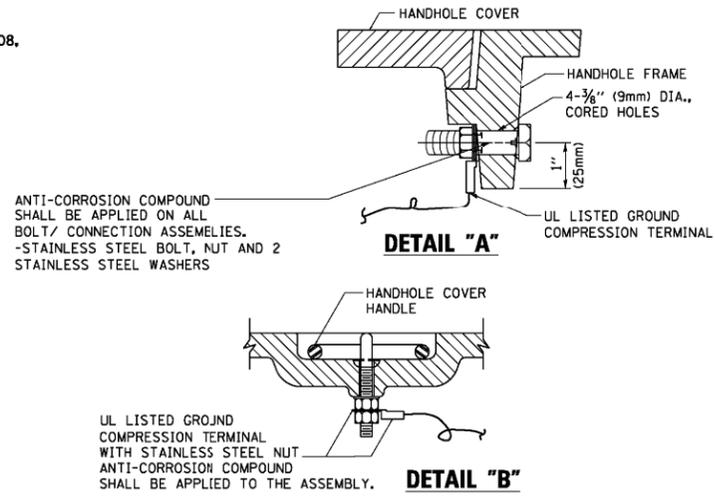
TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 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 TO THE 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.

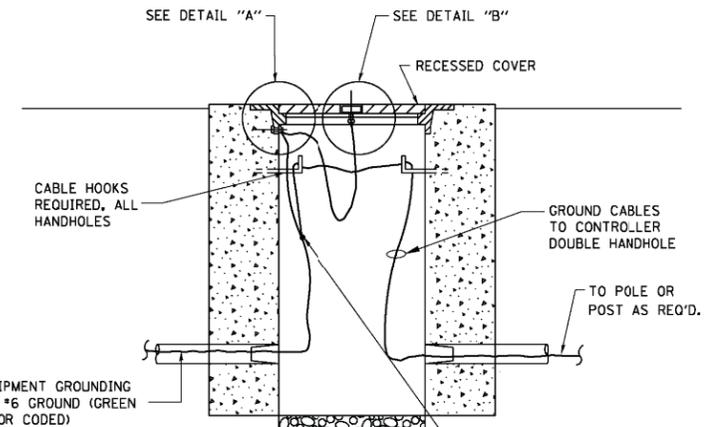


**ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
(NOT TO SCALE)**

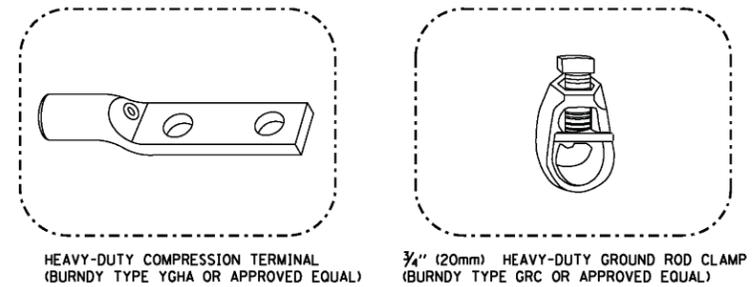


NOTES:
GROUNDING SYSTEM

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, ILLINOIS 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.

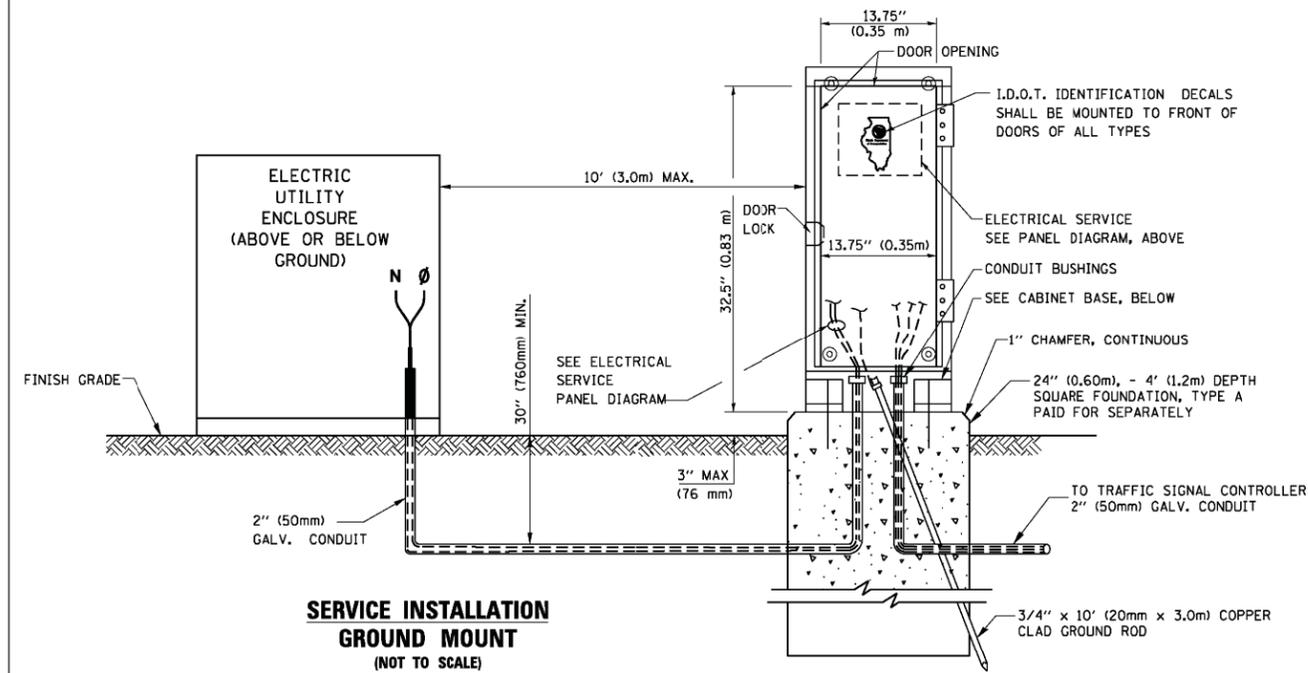


**HANDHOLE COVER & FRAME - GROUNDING DETAIL
(NOT TO SCALE)**

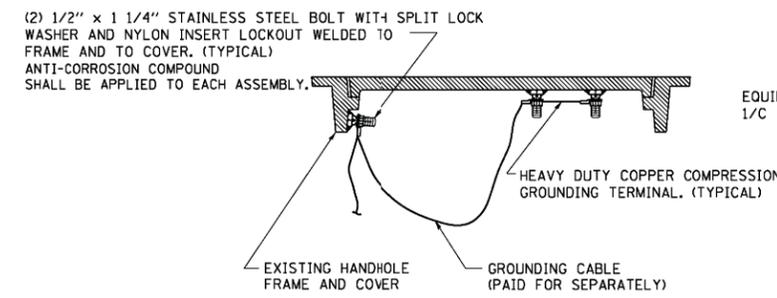


NOTES:

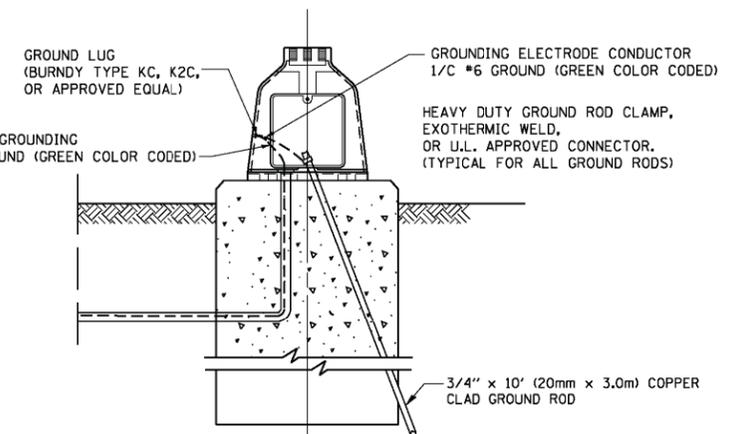
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



**SERVICE INSTALLATION
GROUND MOUNT
(NOT TO SCALE)**

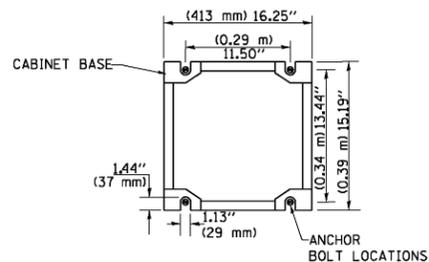


**EXISTING HANDHOLE COVER & FRAME - GROUNDING DETAIL
(NOT TO SCALE)**



**MAST ARM POLE / POST-GROUNDING DETAIL
(NOT TO SCALE)**

**CABINET - BASE BOLT PATTERN
(NOT TO SCALE)**

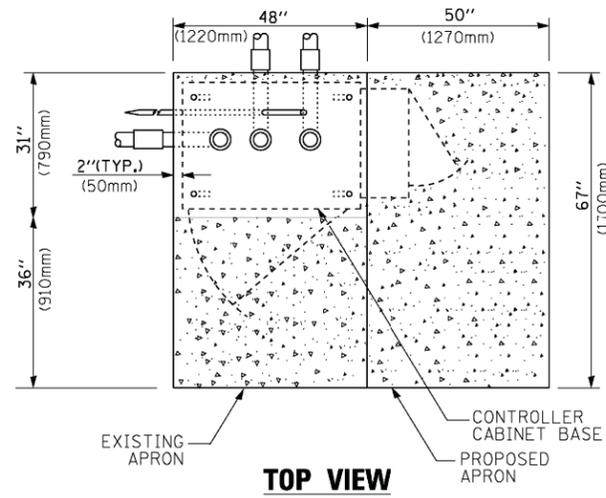


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		CHECKED - DAD	REVISED -
		DATE - 10-28-09	REVISED -

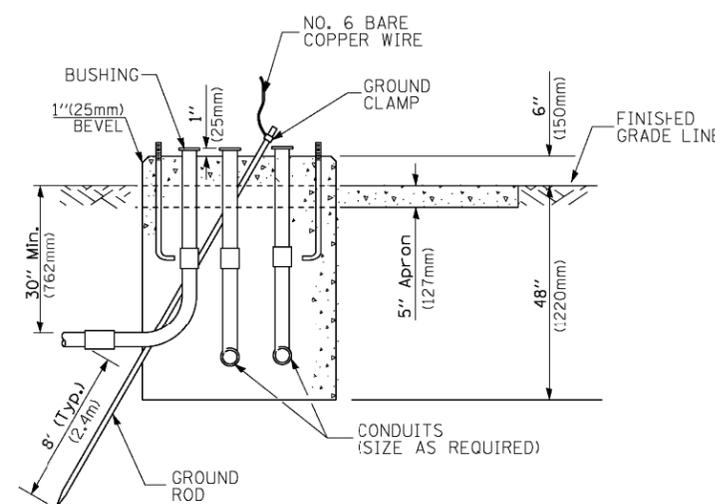
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE			
STANDARD TRAFFIC SIGNAL DESIGN DETAILS			
SCALE: NONE	SHEET NO. 4 OF 7 SHEETS	STA.	TO STA.

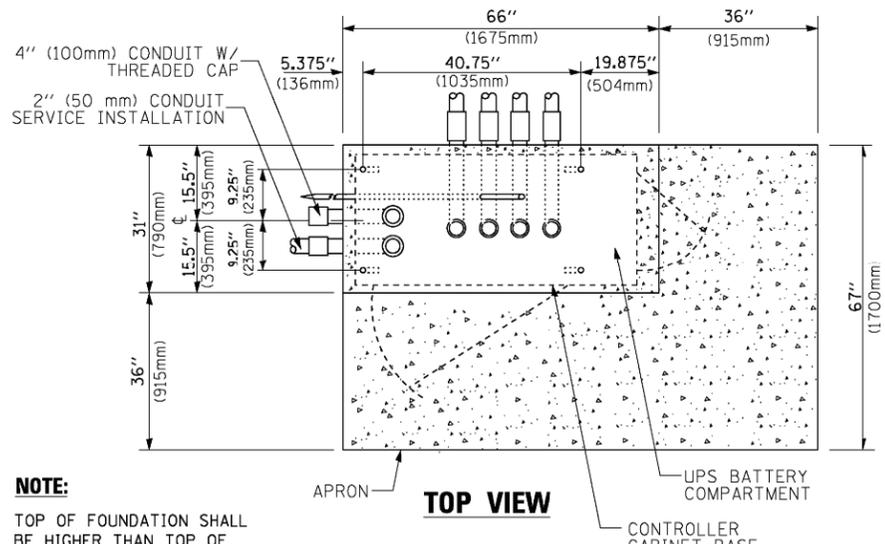
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TS-05	COOK	72	37
FED. ROAD DIST. NO. 1 ILLINOIS		CONTRACT NO. 61H82		
FED. AID PROJECT				



TOP VIEW

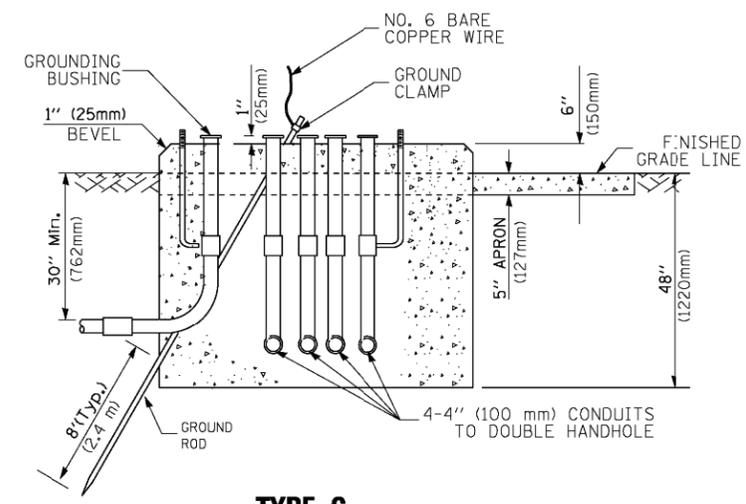


**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**

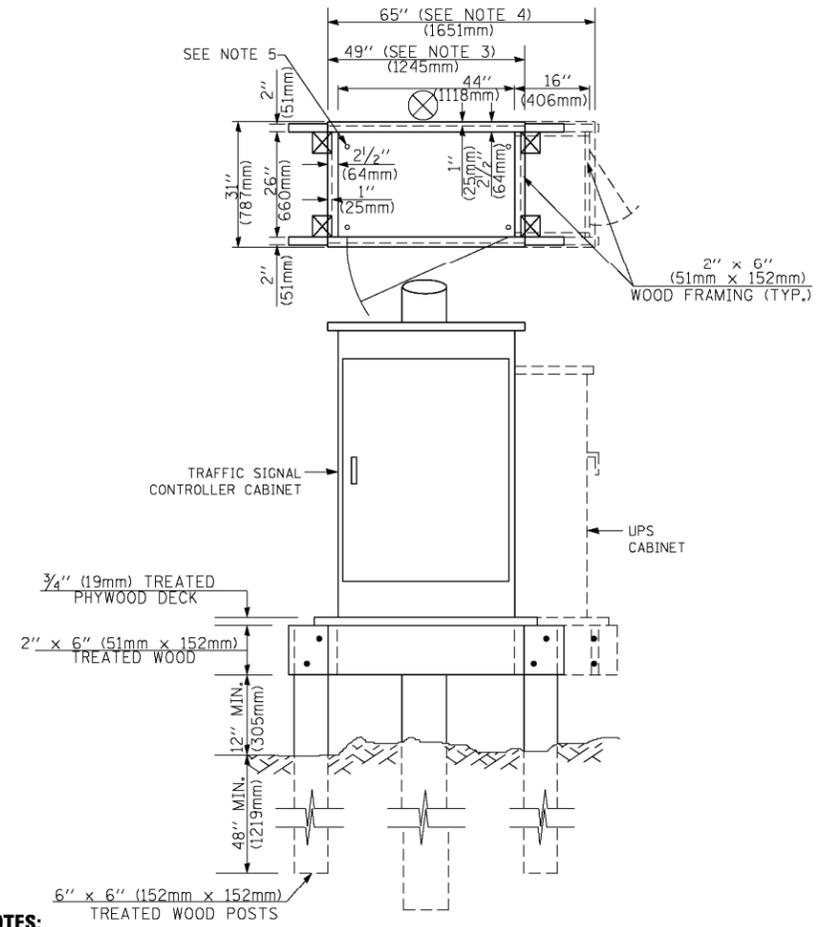


TOP VIEW

NOTE:
TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE



**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)

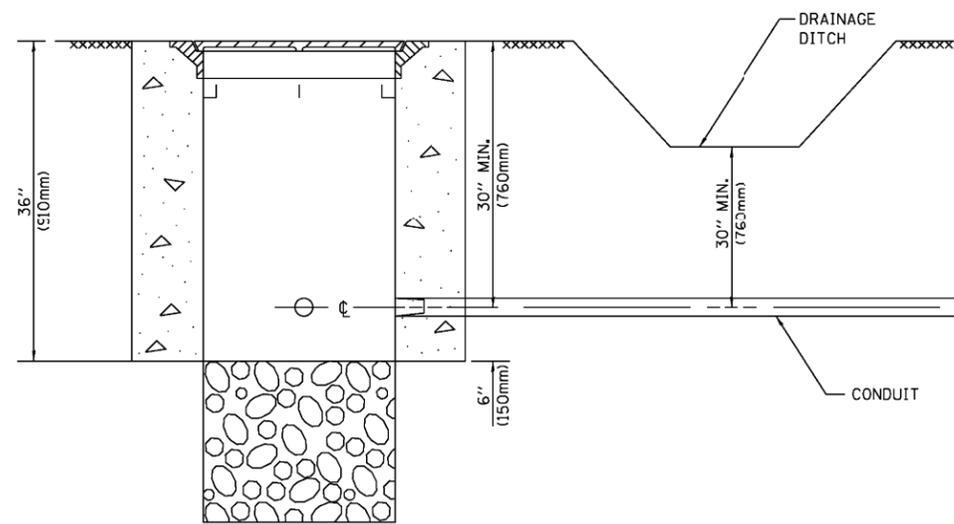
DEPTH OF FOUNDATION

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)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	24" (600mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 55' (16.8 m) and up to 65' (19.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 65' (19.8 m) and less than 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 75' (22.9 m) and up to 85' (25.9 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..

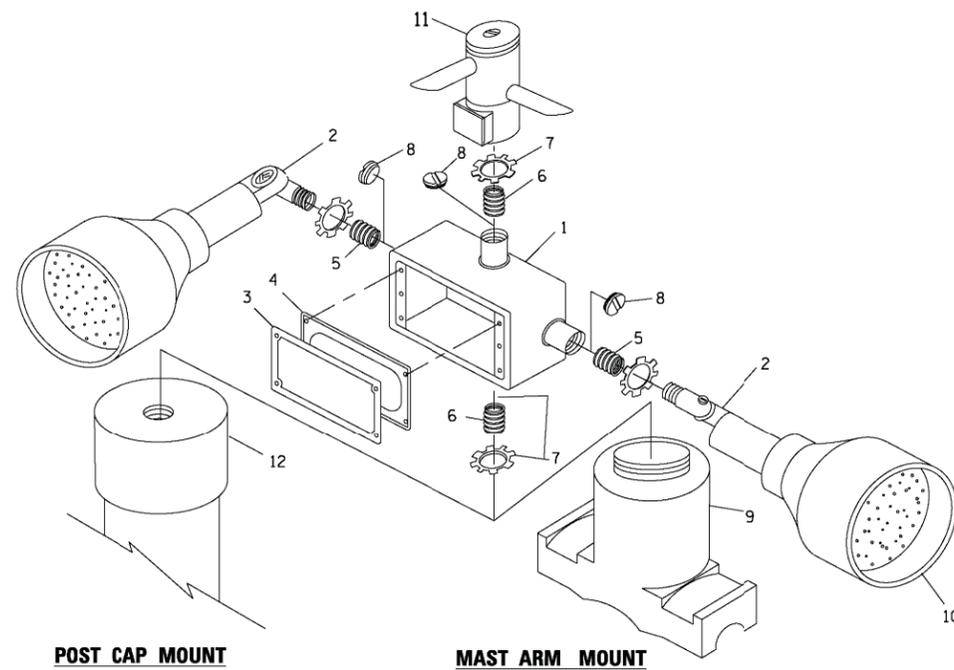
DEPTH OF MAST ARM FOUNDATIONS, TYPE E



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.

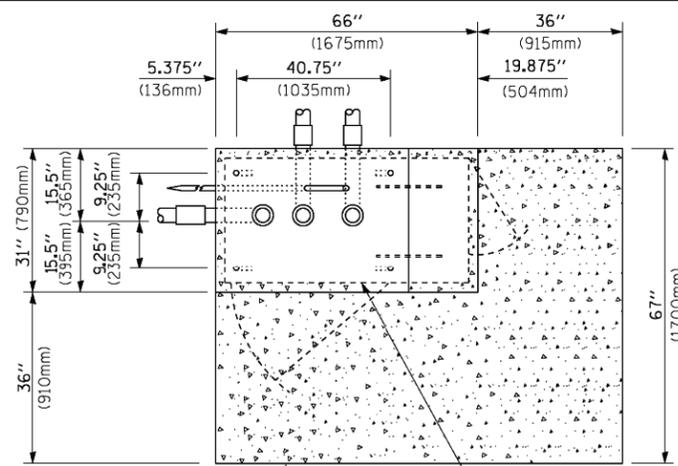
HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)



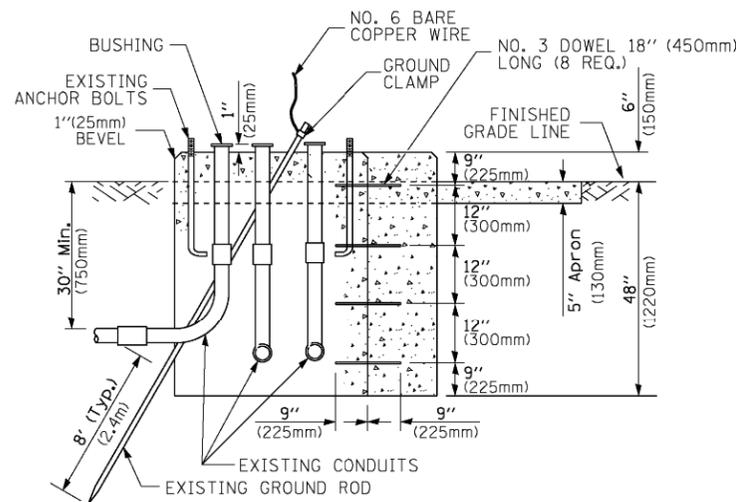
POST CAP MOUNT

MAST ARM MOUNT

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL



TOP VIEW
(NOT TO SCALE)

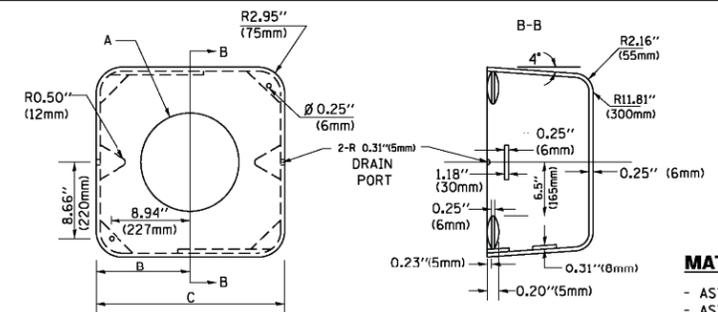


MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION
(NOT TO SCALE)

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	3/4" (19 mm) CLOSE NIPPLE
7	3/4" (19 mm) LOCKNUT
8	3/4" (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 FSX-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.



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

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

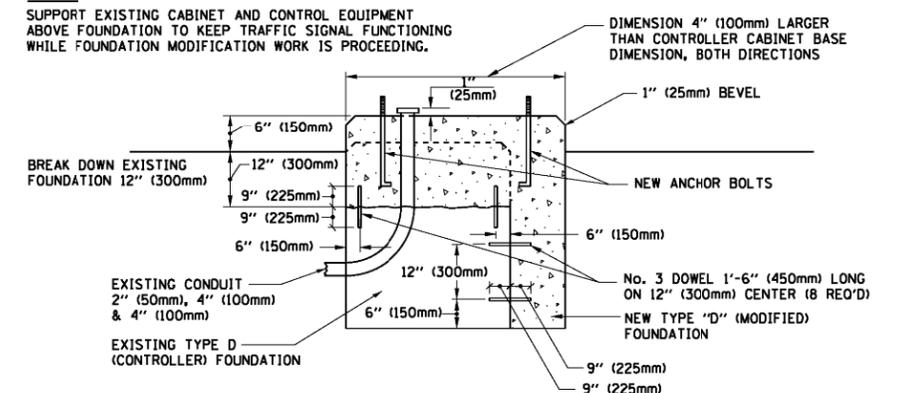
SHROUD

NOTES:

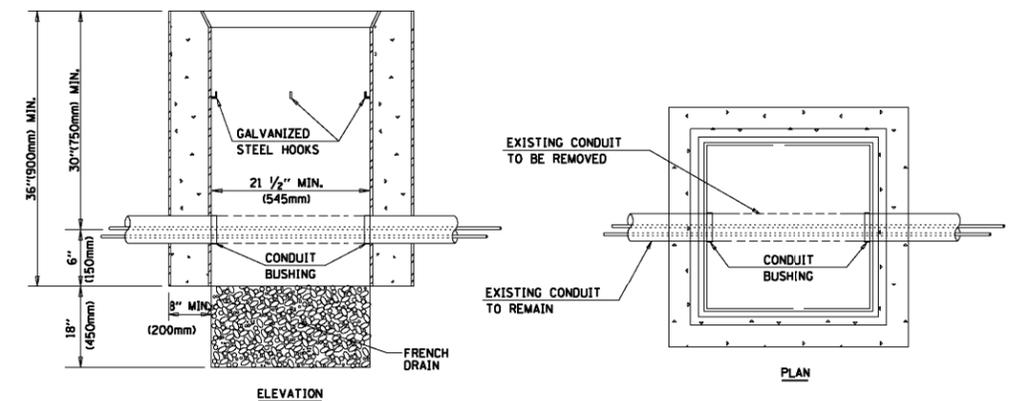
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

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



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

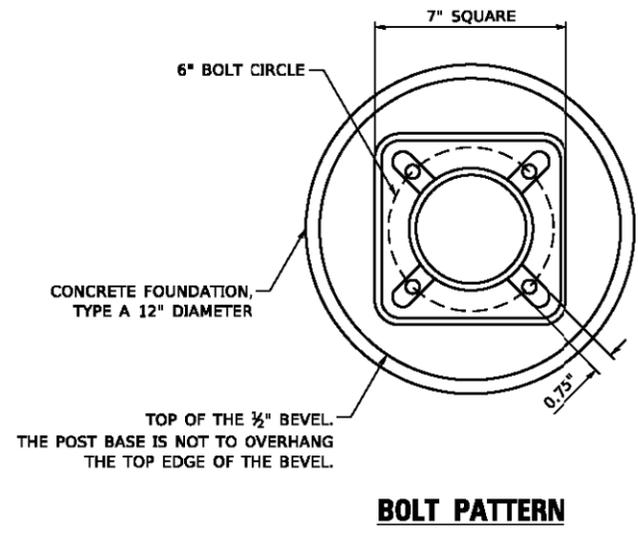
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

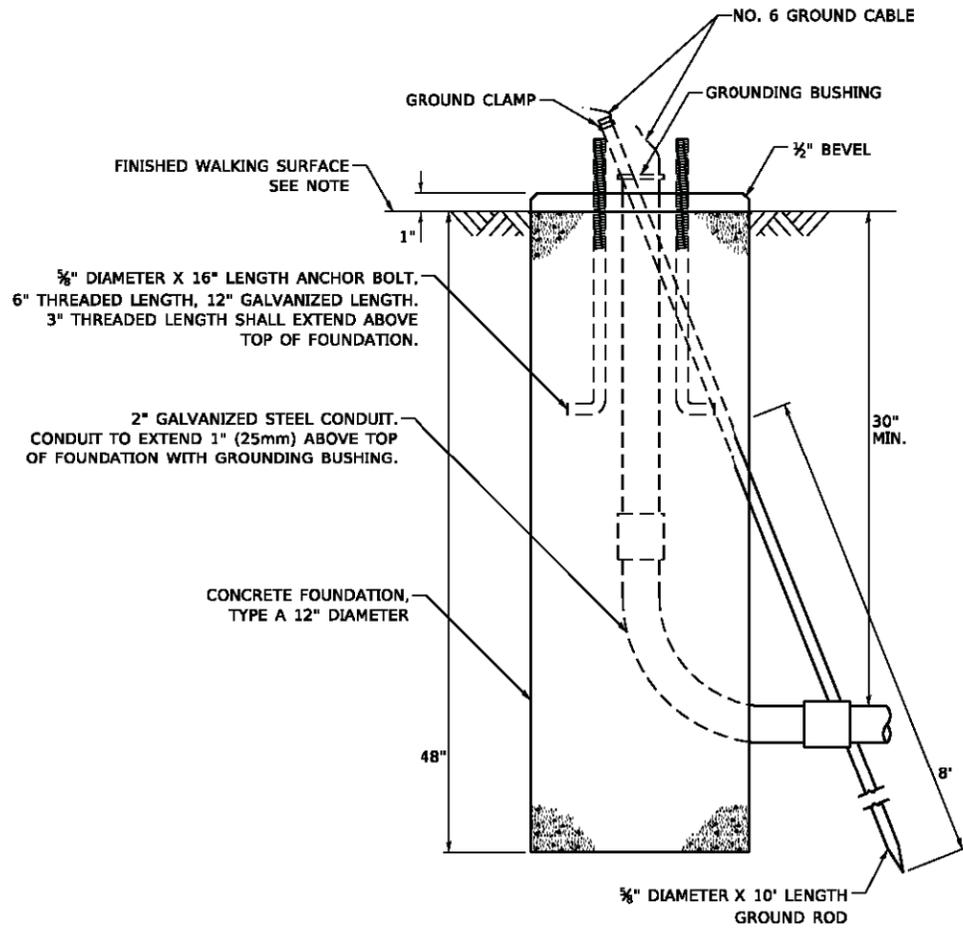
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO. 61H82		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

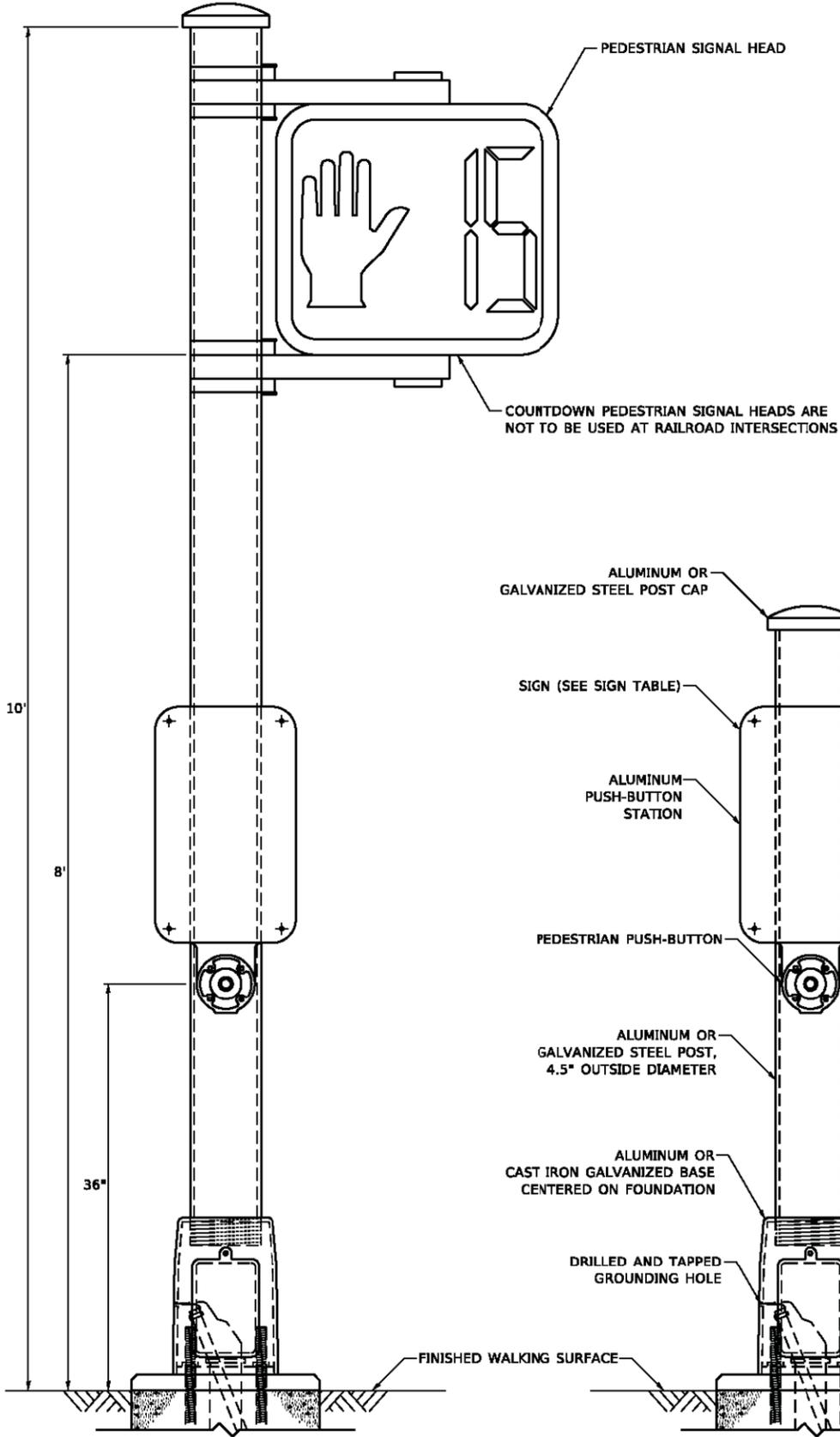


NOTE:

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.

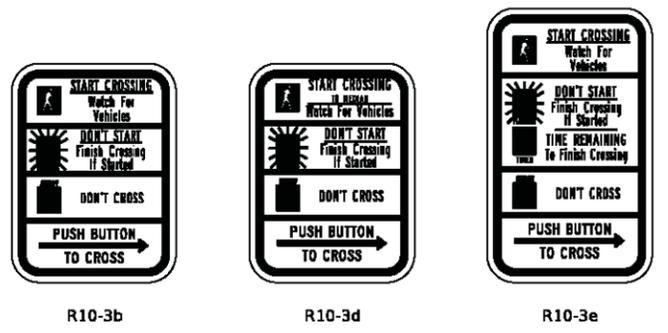


CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER



PEDESTRIAN SIGNAL POST, 10 FT.

PEDESTRIAN SIGNAL POST, 5 FT.



SIGN TABLE

SIGN	DIMENSIONS
R10-3b (RAILROAD ONLY)	9" X 12"
R10-3d (RAILROAD ONLY)	9" X 12"
R10-3e	9" X 15"

- 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.

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PLOT DATE = 11/17/2020	CHECKED - LP	REVISED -
	DATE - 10/15/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

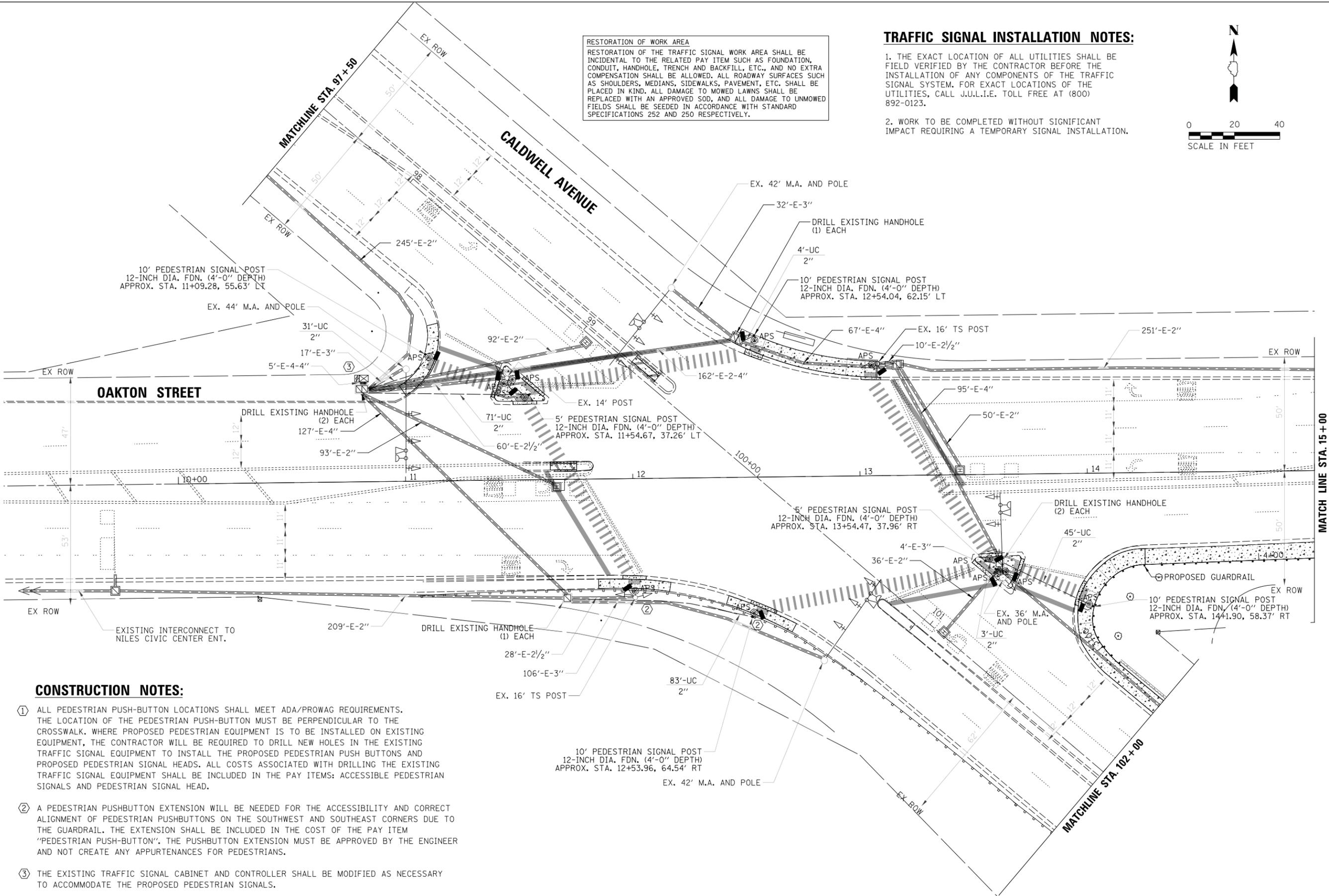
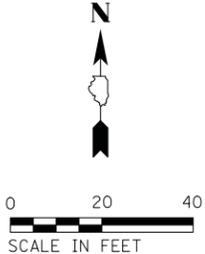
DISTRICT ONE	
STANDARD TRAFFIC SIGNAL DESIGN DETAILS	
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	72	40
TS-05		CONTRACT NO. 61H82		
ILLINOIS FED. AID PROJECT				

RESTORATION OF WORK AREA
 RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE PLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

TRAFFIC SIGNAL INSTALLATION NOTES:

1. THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY COMPONENTS OF THE TRAFFIC SIGNAL SYSTEM. FOR EXACT LOCATIONS OF THE UTILITIES, CALL J.U.L.I.E. TOLL FREE AT (800) 892-0123.
2. WORK TO BE COMPLETED WITHOUT SIGNIFICANT IMPACT REQUIRING A TEMPORARY SIGNAL INSTALLATION.



CONSTRUCTION NOTES:

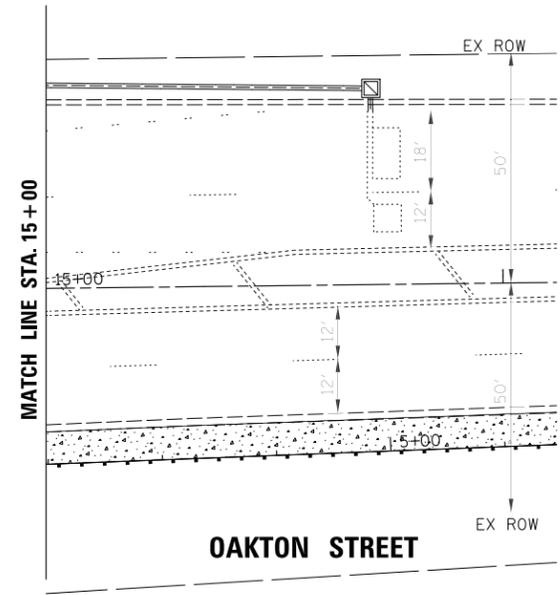
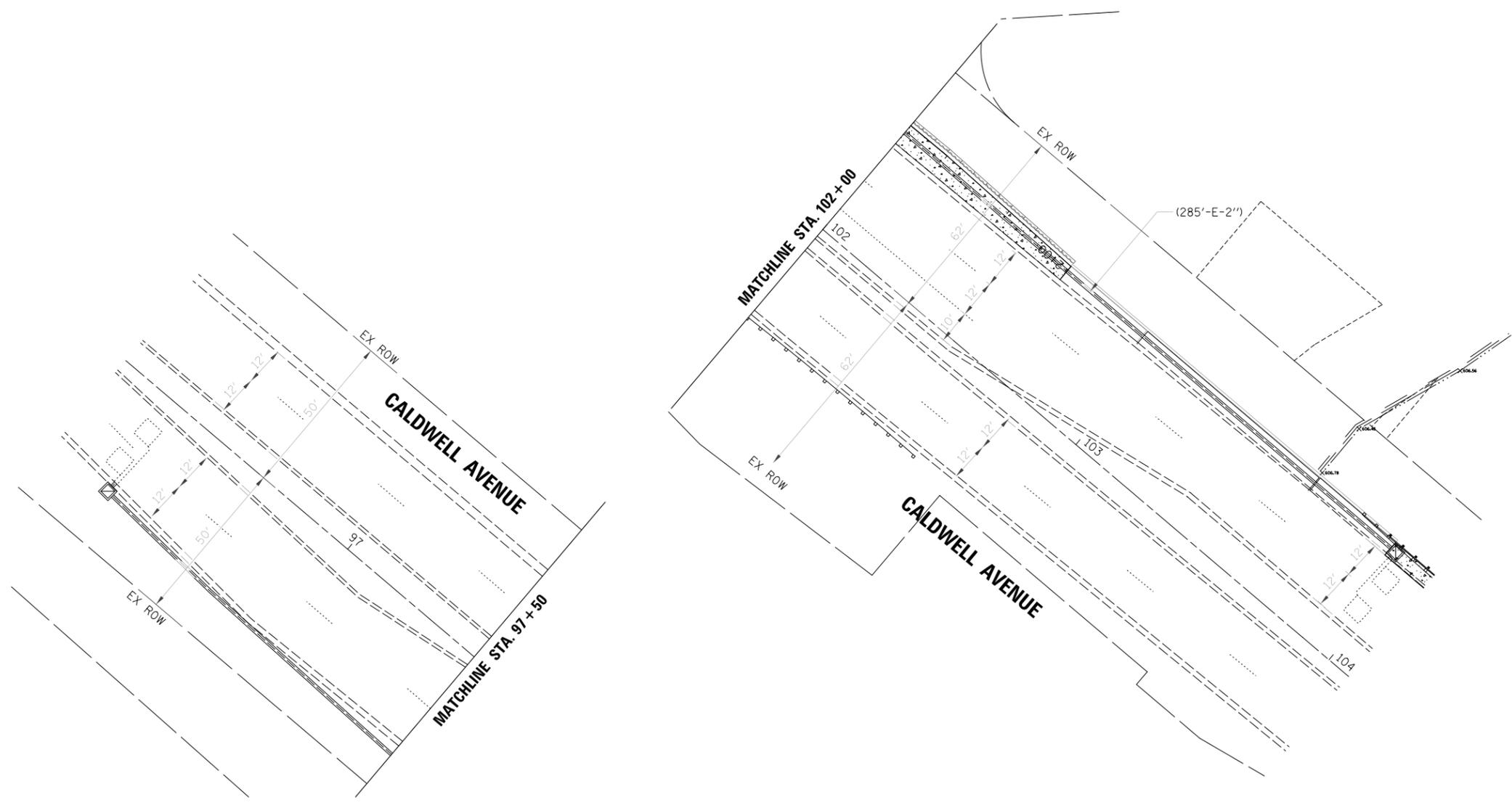
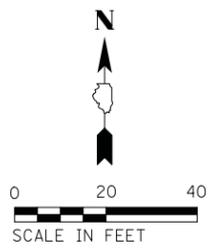
- 1 ALL PEDESTRIAN PUSH-BUTTON LOCATIONS SHALL MEET ADA/PROWAG REQUIREMENTS. THE LOCATION OF THE PEDESTRIAN PUSH-BUTTON MUST BE PERPENDICULAR TO THE CROSSWALK. WHERE PROPOSED PEDESTRIAN EQUIPMENT IS TO BE INSTALLED ON EXISTING EQUIPMENT, THE CONTRACTOR WILL BE REQUIRED TO DRILL NEW HOLES IN THE EXISTING TRAFFIC SIGNAL EQUIPMENT TO INSTALL THE PROPOSED PEDESTRIAN PUSH BUTTONS AND PROPOSED PEDESTRIAN SIGNAL HEADS. ALL COSTS ASSOCIATED WITH DRILLING THE EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE INCLUDED IN THE PAY ITEMS: ACCESSIBLE PEDESTRIAN SIGNALS AND PEDESTRIAN SIGNAL HEAD.
- 2 A PEDESTRIAN PUSHBUTTON EXTENSION WILL BE NEEDED FOR THE ACCESSIBILITY AND CORRECT ALIGNMENT OF PEDESTRIAN PUSHBUTTONS ON THE SOUTHWEST AND SOUTHEAST CORNERS DUE TO THE GUARDRAIL. THE EXTENSION SHALL BE INCLUDED IN THE COST OF THE PAY ITEM "PEDESTRIAN PUSH-BUTTON". THE PUSHBUTTON EXTENSION MUST BE APPROVED BY THE ENGINEER AND NOT CREATE ANY APPURTENANCES FOR PEDESTRIANS.
- 3 THE EXISTING TRAFFIC SIGNAL CABINET AND CONTROLLER SHALL BE MODIFIED AS NECESSARY TO ACCOMMODATE THE PROPOSED PEDESTRIAN SIGNALS.

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	PLOT DATE = 5/6/2022	DATE - 1-6-2022	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TRAFFIC SIGNAL MODIFICATION PLAN			
(SHEET 1 OF 2)			
OAKTON STREET AND CALDWELL AVENUE			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0376	19-00108-00-BT	COOK	72	41
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H82	



FILE NAME =	USER NAME = doconnell	DESIGNED - BG	REVISED -
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PROPOSED SIGNAL_MODEL	PLOT SCALE = 28'	CHECKED - GMZ	REVISED -
	PLOT DATE = 5/6/2022	DATE - 1-6-2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

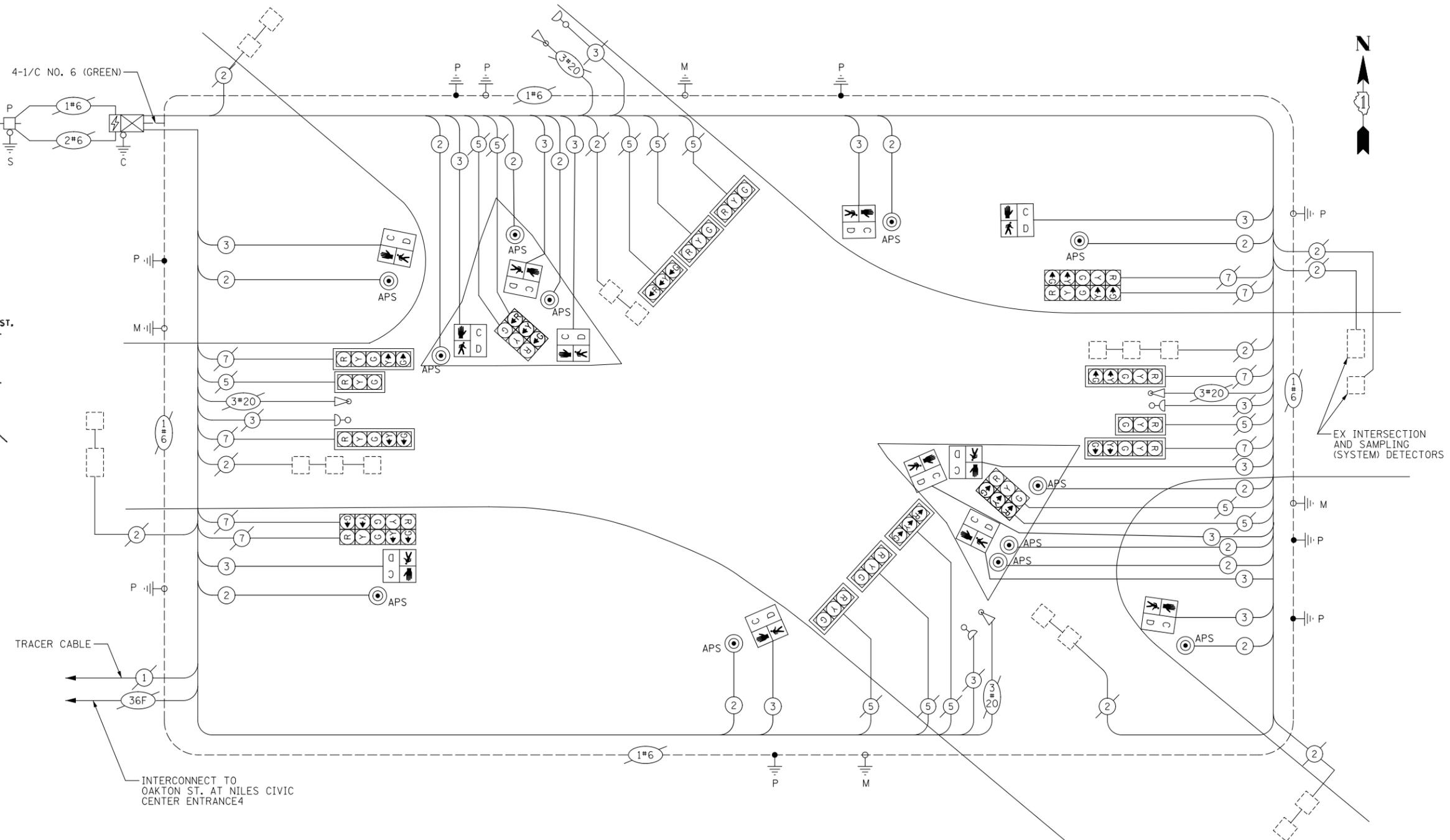
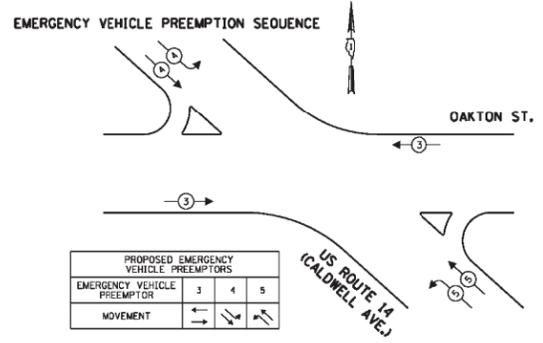
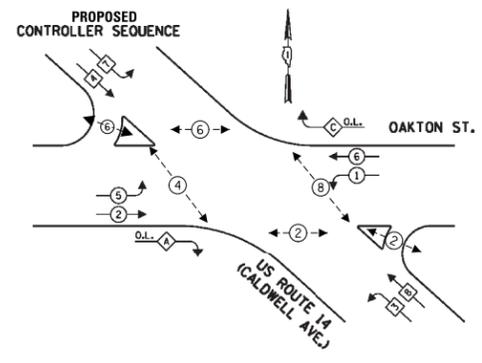
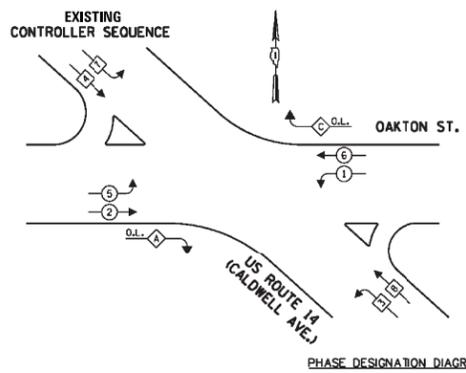
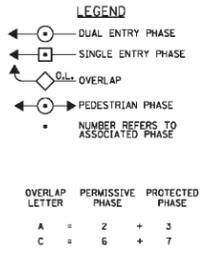
**TRAFFIC SIGNAL MODIFICATION PLAN
(SHEET 2 OF 2)
OAKTON STREET AND CALDWELL AVENUE**

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0376	19-00108-00-BT	COOK	72	42
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H82	

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	237
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	2898
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2969
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	326
DRILL EXISTING HANDHOLE	EACH	6
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	12
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	4
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	2
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	12
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	24
MODIFY EXISTING CONTROLLER AND CABINET	EACH	1



CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	WATTAGE INCAND.	WATTAGE LED	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	20	135	17	50	170
(YELLOW)	20	135	25	25	125
(GREEN)	20	135	15	25	75
ARROW	16	135	12	10	19.2
PED. SIGNAL	12	90	25	100	300.0
CONTROLLER	1	100	100	100	100.0
UPS	1	25	25	100	25.0
VIDEO SYSTEM	-	-	-	100	-
BLANK-OUT SIGN	-	-	-	5	-
FLASHER	-	-	-	50	-
STREET NAME SIGN	-	-	-	50	-
LUMINAIRE	-	-	-	-	-
				TOTAL =	814.2

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1096
ENERGY SUPPLY: CONTACT: MAUREEN RAY
PHONE: (847) 816-5492
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---

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	PLOT DATE = 5/6/2022	DATE - 1-6-2022	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE, AND SUMMARY OF QUANTITIES OAKTON AVENUE AND US ROUTE 14 (CALDWELL STREET)

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0376	19-00108-00-BT	COOK	72	43
			CONTRACT NO. 61H82	
ILLINOIS FED. AID PROJECT				

EAGLE 80

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE:

- 1 EACH TS POST
- 1 EACH 5-SECTION SIGNAL HEAD

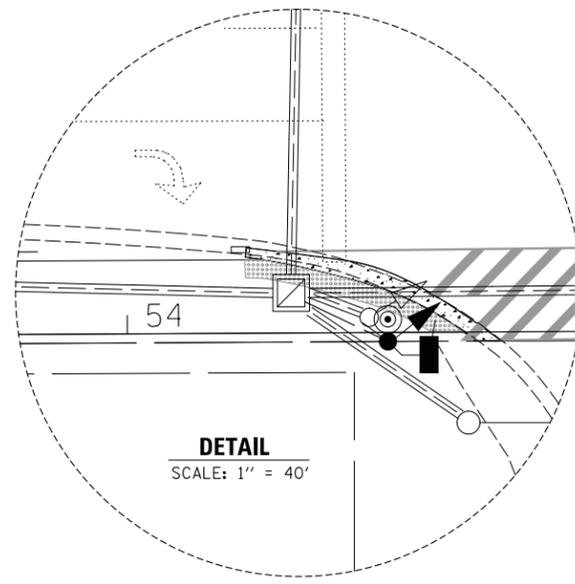
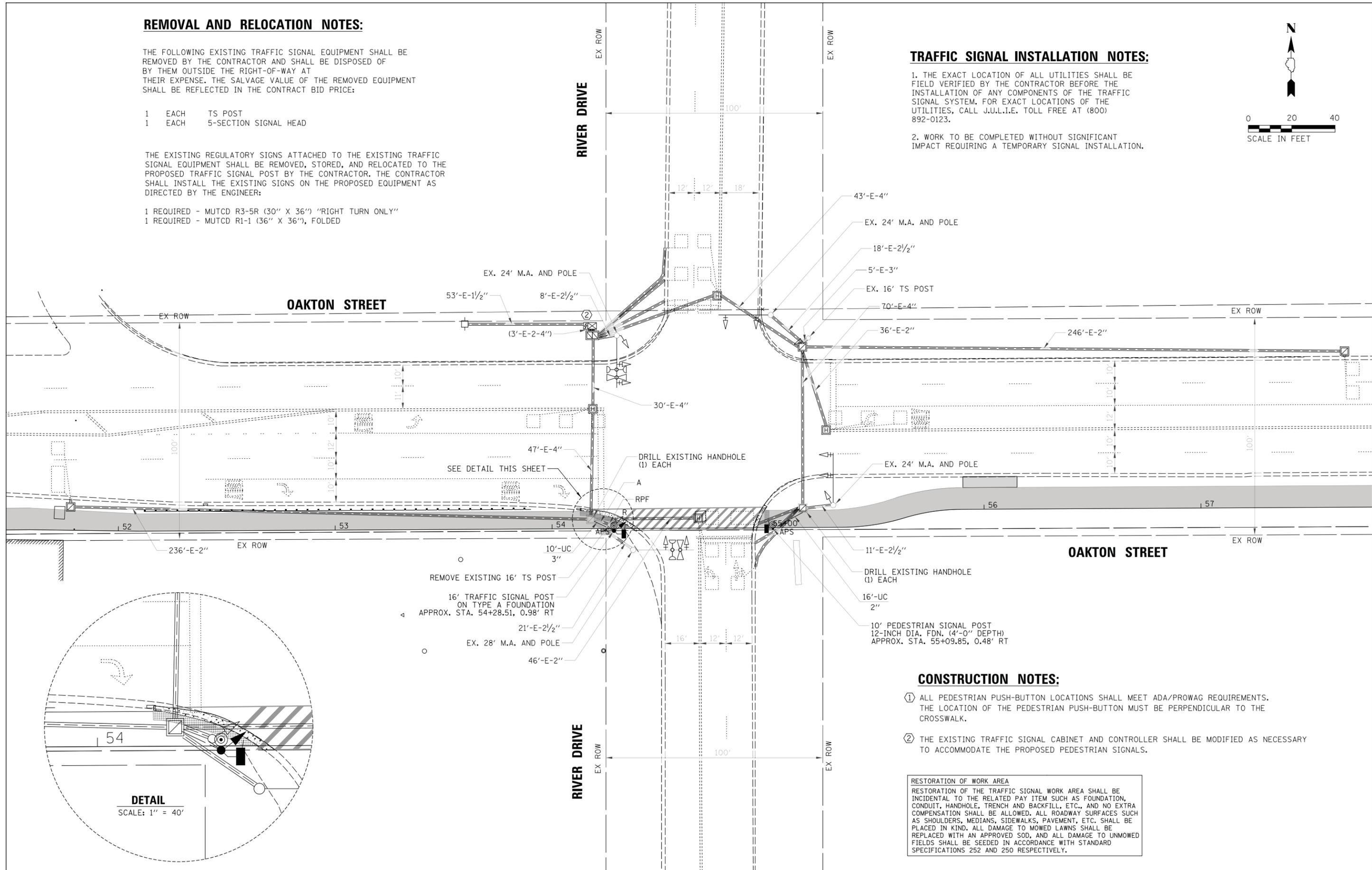
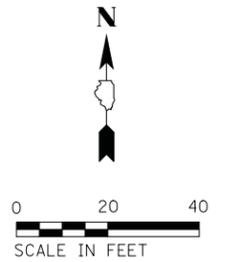
THE EXISTING REGULATORY SIGNS ATTACHED TO THE EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED, STORED, AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL POST BY THE CONTRACTOR. THE CONTRACTOR SHALL INSTALL THE EXISTING SIGNS ON THE PROPOSED EQUIPMENT AS DIRECTED BY THE ENGINEER:

- 1 REQUIRED - MUTCD R3-5R (30" X 36") "RIGHT TURN ONLY"
- 1 REQUIRED - MUTCD R1-1 (36" X 36"), FOLDED

TRAFFIC SIGNAL INSTALLATION NOTES:

1. THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY COMPONENTS OF THE TRAFFIC SIGNAL SYSTEM. FOR EXACT LOCATIONS OF THE UTILITIES, CALL J.U.L.I.E. TOLL FREE AT (800) 892-0123.

2. WORK TO BE COMPLETED WITHOUT SIGNIFICANT IMPACT REQUIRING A TEMPORARY SIGNAL INSTALLATION.



CONSTRUCTION NOTES:

- ① ALL PEDESTRIAN PUSH-BUTTON LOCATIONS SHALL MEET ADA/PROWAG REQUIREMENTS. THE LOCATION OF THE PEDESTRIAN PUSH-BUTTON MUST BE PERPENDICULAR TO THE CROSSWALK.
- ② THE EXISTING TRAFFIC SIGNAL CABINET AND CONTROLLER SHALL BE MODIFIED AS NECESSARY TO ACCOMMODATE THE PROPOSED PEDESTRIAN SIGNALS.

RESTORATION OF WORK AREA
 RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE PLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

FILE NAME = N:\MortonGrove\190025\Traffic\River_MOD.dgn	USER NAME = doconnell	DESIGNED - BG	REVISED -
PROPOSED SIGNAL_MODEL	PLOT SCALE = 28'	DRAWN - BG	REVISED -
	PLOT DATE = 5/6/2022	CHECKED - GMZ	REVISED -
		DATE - 1-6-2022	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

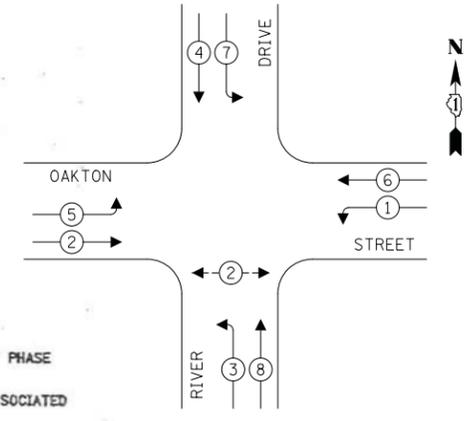
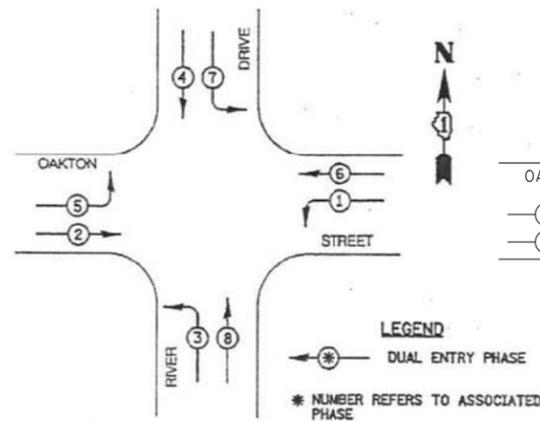
**TRAFFIC SIGNAL MODIFICATION PLAN
 OAKTON STREET AND RIVER DRIVE**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0376	19-00108-00-BT	COOK	72	44
CONTRACT NO. 61H82				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

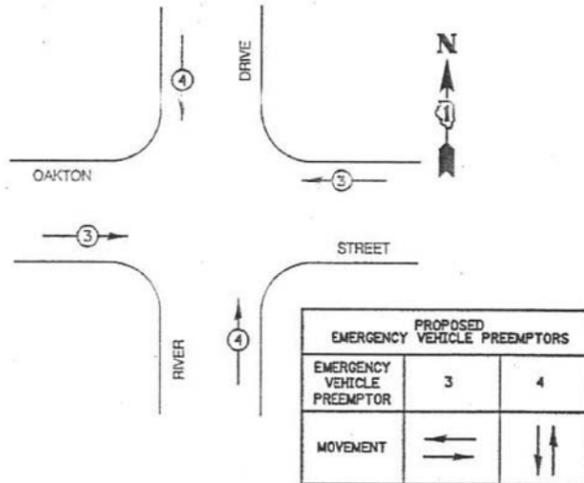
EXISTING CONTROLLER SEQUENCE

PROPOSED CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM

EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

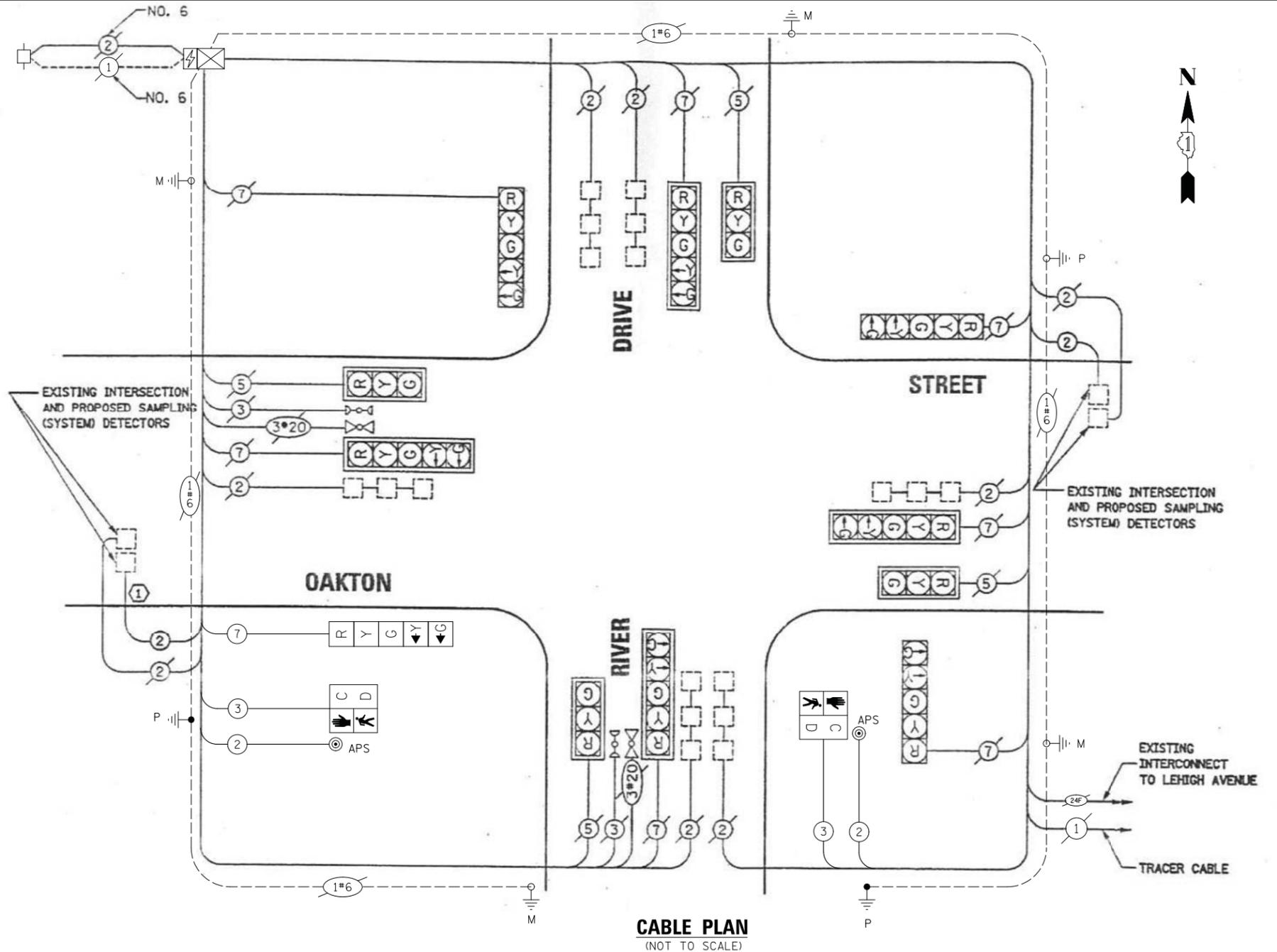
TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
ARROW	16	10	10	16.0
PED. SIGNAL	2	20	100	40.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				323.8

ENERGY COSTS TO:

VILLAGE OF MORTON GROVE
6101 CAPULINA AVENUE
MORTON GROVE, ILLINOIS 60053

ENERGY SUPPLY: CONTACT: MR. MIKE LYNCH
PHONE: (847) 816-5331
COMPANY: COMED
ACCOUNT NUMBER: ---

FILE NAME =	USER NAME = dcoconnell	DESIGNED - BG	REVISED -
N:\MortonGrove\190025\Traffic\River_CAB.dgn		DRAWN - BG	REVISED -
default		CHECKED - GMZ	REVISED -
		DATE - 1-6-2022	REVISED -



CABLE PLAN
(NOT TO SCALE)

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	16
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	10
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	372
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	386
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	141
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	52
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	4
DRILL EXISTING HANDHOLE	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	130
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2
REMOVE EXISTING CONCRETE FOUNDATION	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1
REMOVE AND RELOCATE SIGN PANEL	EACH	2
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	2
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4
MODIFY EXISTING CONTROLLER AND CABINET	EACH	1

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE, AND SUMMARY OF QUANTITIES
OAKTON STREET AND RIVER DRIVE

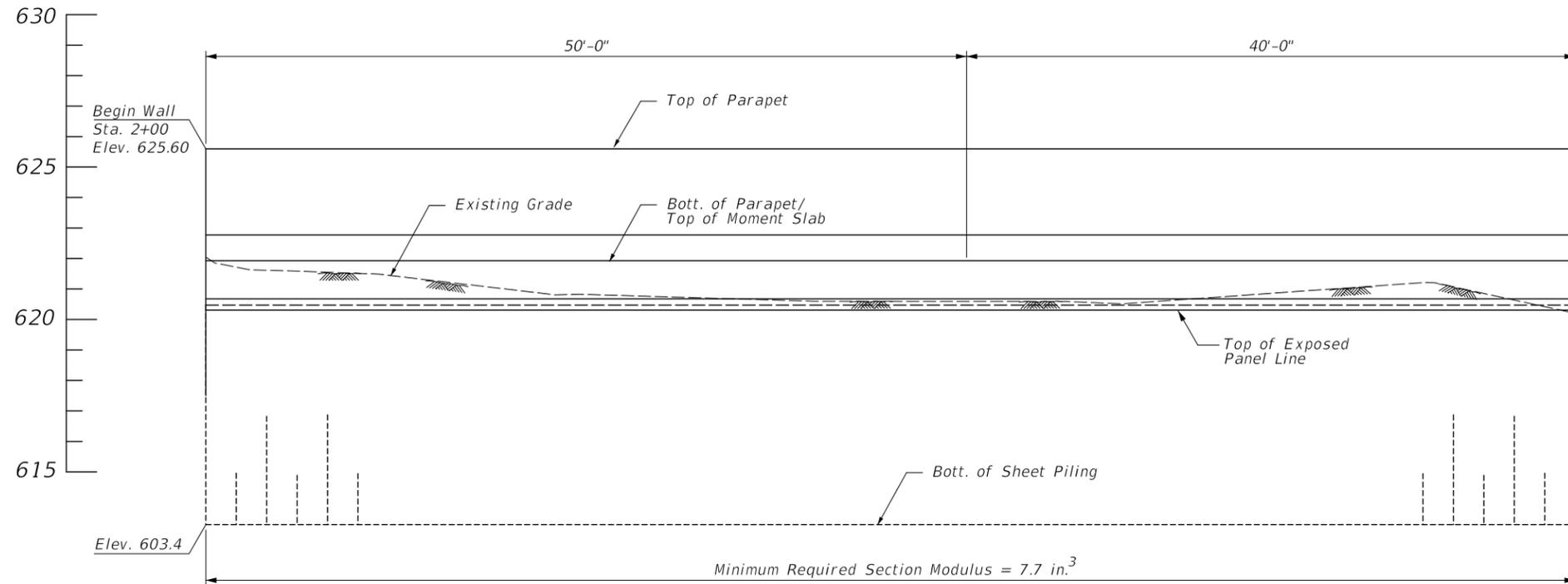
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0376	19-00108-00-BT	COOK	72	45
			CONTRACT NO. 61H82	
ILLINOIS FED. AID PROJECT				

EAGLE 80

BENCHMARK: OSBM 19-50 South Side of Oakton Street on the east side of the bridge over the North Branch of the Chicago River on the southerly bolt of handrail. Elev. 624.09

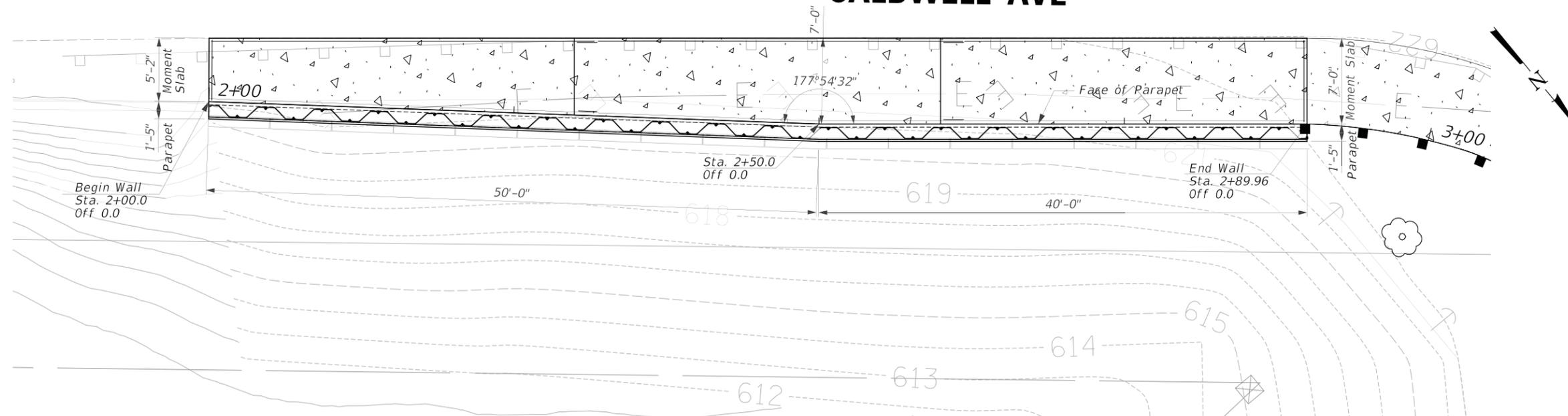
Existing Structure: None

Salvage: None



ELEVATION

CALDWELL AVE



PLAN

INDEX OF SHEET

- S1 General Plan and Elevation
- S2 General Notes and Bill of Materials
- S3 Plan and Elevation
- S4 Wall Sections and Details
- S5 Soil Boring Logs
- S6 Oakton Street Sidewalk

DESIGN SPECIFICATIONS

NEW CONSTRUCTION

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

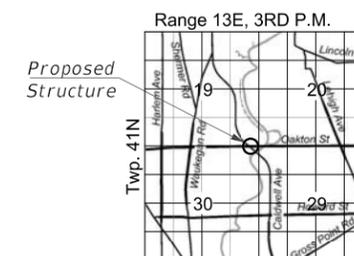
DESIGN STRESSES

FIELD UNITS

- $f'_c = 3,500$ psi
- $f_y = 60,000$ psi (Reinforcement)
- $f_y = 50,000$ psi (Sheet Piling)



PROFILE GRADE



LOCATION SKETCH

GENERAL PLAN AND ELEVATION
 CALDWELL-OAKTON SHARED USE PATH
 SECTION 19-00108-00-BT
 COOK COUNTY
 STA. 2+00 TO STA. 2+89.96



Majid Mobasserri 4/8/22

MAJID MOBASSERRI
 ILLINOIS REGISTRATION No. 081-005058 STRUCTURAL ENGINEER
 EXPIRATION DATE: 11/30/22

FILE NAME =	USER NAME = docconnell	DESIGNED - DOC CF	REVISED -
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Default	PLOT SCALE = 5'	CHECKED - LMF MM	REVISED -
	PLOT DATE = 5/6/2022	DATE - 1-14-2022	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	19-00108-01-BT	COOK	72	46
				CONTRACT NO. 61H82
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

CAST-IN-PLACE CONCRETE

1. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADAPTED JANUARY 1, 2022 AND LATEST SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, UNLESS NOTED OTHERWISE.
2. ALL CAST-IN-PLACE CONCRETE WORK SHALL BE IN ACCORDANCE WITH SECTION 503 OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JANUARY 1, 2022 SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS AND AS NOTED BELOW.
3. ALL EXPOSED CONCRETE EDGES SHALL HAVE A 3/4" X 45° CHAMFER, EXCEPT WHERE SHOWN OTHERWISE. CHAMFER ON VERTICAL EDGES SHALL BE CONTINUED A MINIMUM OF ONE FOOT BELOW FINISHED GROUND LEVEL.
4. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO COMMENCING WORK. THE ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES WHICH MAY EXIST PROR TO PROCEEDING WITH THE WORK.

REINFORCEMENT BARS

5. REINFORCEMENT BARS, INCLUDING EPOXY-COATED REINFORCEMENT BARS, SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M-31 (ASTM A706), GRADE 60, DEFORMED BARS.
6. REINFORCEMENT BARS DESIGNATED "(E)" SHALL BE EPOXY COATED.
7. REINFORCEMENT BAR BENDING DETAILS SHALL BE IN ACCORDANCE WITH THE LATEST "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES", ACI 315.
8. REINFORCEMENT BAR BENDING DIMENSIONS ARE OUT TO OUT.
9. BARS NOTED THUS, 3X2-#5 INDICATES 3 LINES OF BARS WITH 2 LENGTHS OF BARS PER LINE.
10. COVER FROM THE FACE OF CONCRETE TO FACE OF REINFORCEMENT BARS SHALL BE 3" FOR SURFACES FORMED AGAINST EARTH AND 2" FOR ALL OTHER SURFACES UNLESS OTHERWISE SHOWN.

CONSTRUCTION

11. CONTRACTOR SHALL NOT SCALE DIMENSIONS FROM THE CONTRACT PLANS FOR CONSTRUCTION PURPOSES. SCALES SHOWN ARE FOR INFORMATION ONLY.
12. NO CONSTRUCTION JOINTS EXCEPT THOSE SHOWN ON THE PLANS SHALL BE ALLOWED UNLESS APPROVED BY THE ENGINEER.
13. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO STARTING CONSTRUCTION. CONTACT J.U.L.I.E., 800-892-0123.
14. THE SOIL BORING LOGS REPRESENT POINT INFORMATION. PRESENTATION OF THIS INFORMATION IN NO WAY IMPLIES THAT SUBSURFACE CONDITIONS ARE THE SAME AT LOCATIONS OTHER THAN THE EXACT LOCATION OF THE BORING.

16. WHENEVER ANY MATERIAL IS DEPOSITED INTO A DRAINAGE SYSTEM OR DRAINAGE STRUCTURES, THE DEPOSITED MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE SYSTEMS AND STRUCTURES SHALL BE FREE FROM DIRT AND DEBRIS DEPOSITED DURING THE VARIOUS CONSTRUCTION OPERATIONS.
17. PROTECTIVE COAT SHALL BE APPLIED TO THE TOP SURFACE OF THE MOMENT SLAB AND TO THE TOP AND VERTICAL FACES OF THE PARAPET.
18. DRILLING AND GROUTING OF ANY DOWELS INTO THE EXISTING CONCRETE CURB OR PAVEMENT SHALL BE INCLUDED IN THE COST OF CONCRETE SUPERSTRUCTURES.

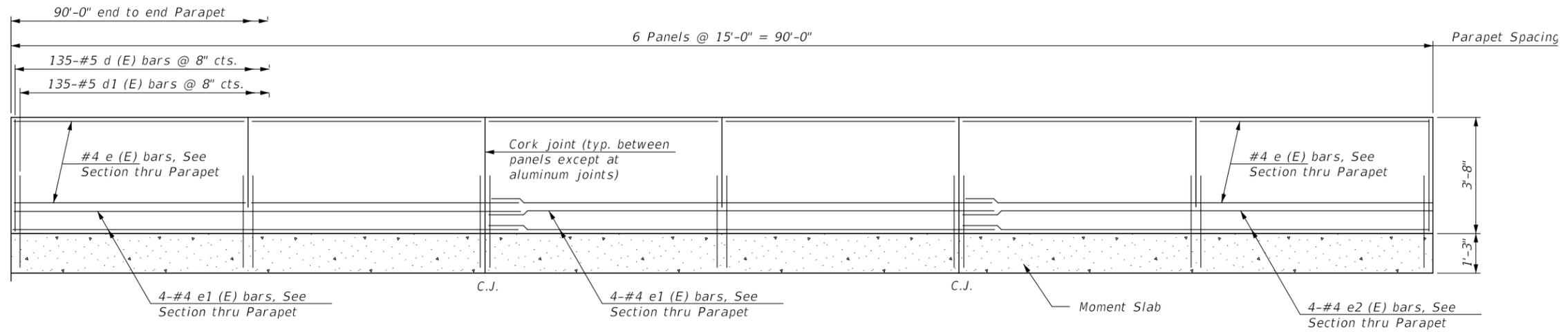
ABBREVIATIONS

P.G.L.	PROFILE GRADE LINE
N.B.	NORTH BOUND
S.B.	SOUTH BOUND
N. ABUT.	NORTH ABUTMENT
S. ABUT.	SOUTH ABUTMENT
E.F.	EACH FACE
F.F.	FRONT FACE
B.F.	BACK FACE
I.F.	INSIDE FACE
O.F.	OUTSIDE FACE
P.J.F.	PREFORMED JOINT FILLER
P.J.S.	PREFORMED JOINT SEALER
BK/	BACK OF
B/	BOTTOM OF
T/	TOP OF
PROP.	PROPOSED
EXIST.	EXISTING

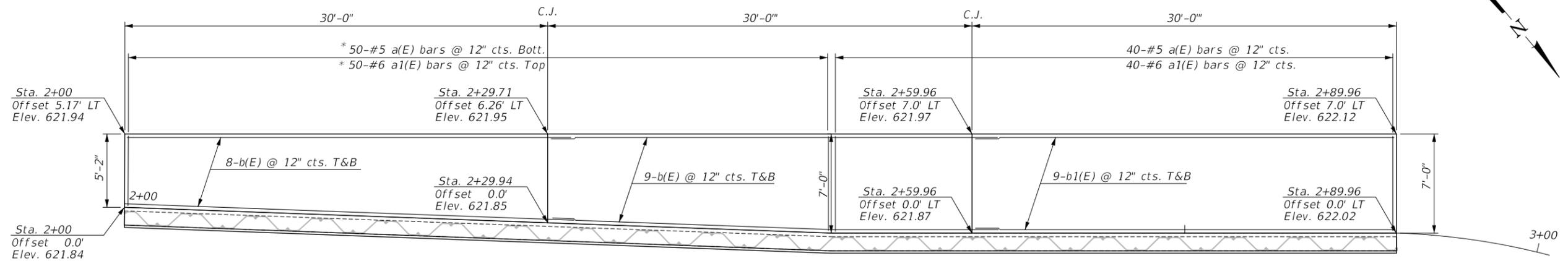
TOTAL BILL OF MATERIAL

PAY ITEM NO.	ITEM	UNIT	TOTAL	RECORD QUANTITY
42001300	PROTECTIVE COAT	SQ YD	615	
50200100	STRUCTURE EXCAVATION	CU YD	135	
50300255	CONCRETE SUPERSTRUCTURE	CU YD	47.8	
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	6,640	
52200100	PERMANENT SHEET PILING	SQ FT	1,620	
X4240460	PORTLAND CEMENT CONCRETE SIDEWALK, 8" SPECIAL	SQ FT	4,455	

FILE NAME =	USER NAME = doconne11	DESIGNED - DOC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES AND SUMMARY OF QUANTITIES	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 1'	CHECKED - LMF	REVISED -	CONTRACT NO. 61H82							
2D PDR	DATE - 1-14-2022	REVISED -	SCALE:			SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT		



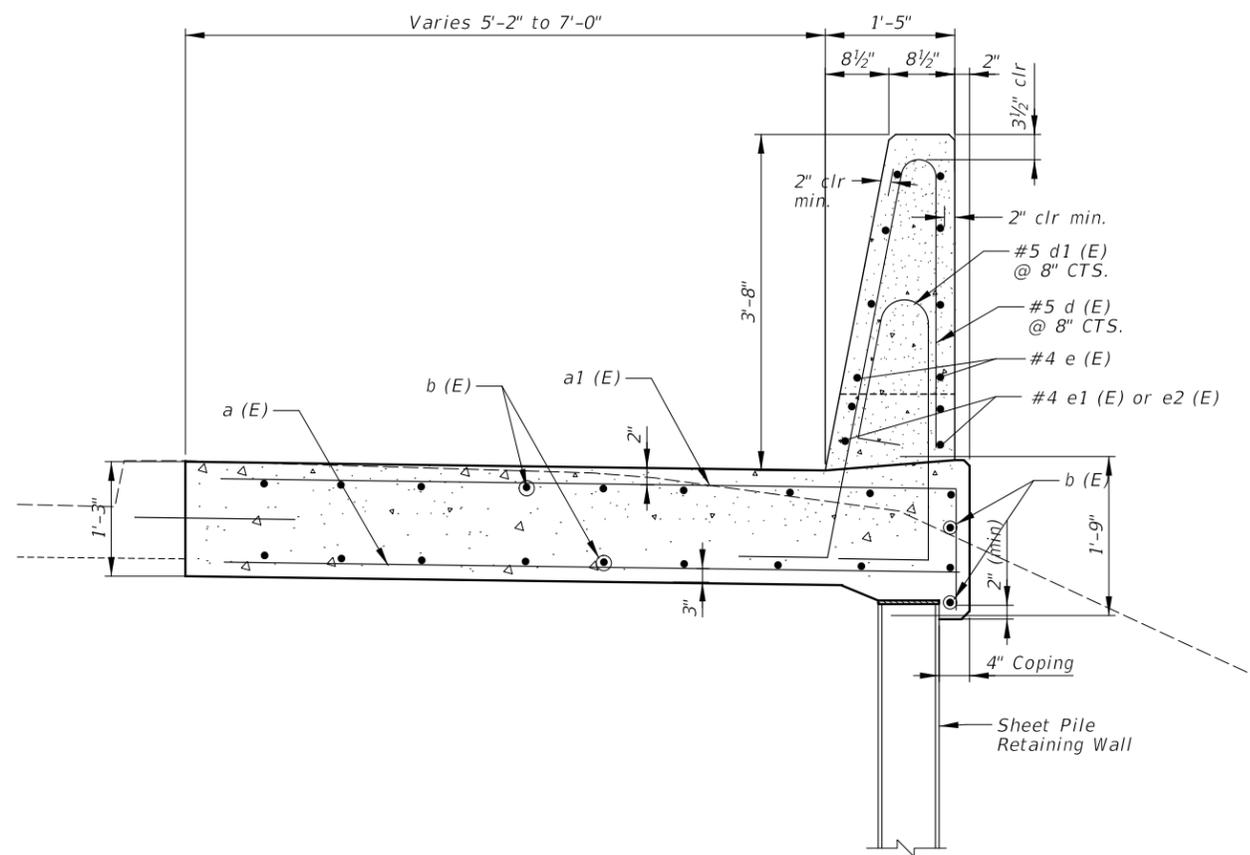
ELEVATION - PARAPET



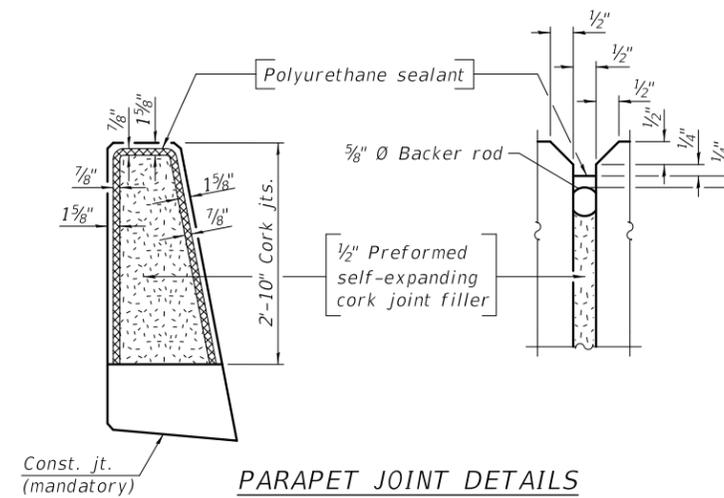
PLAN - MOMENT SLAB

* Bars will be Cut to Fit in Field

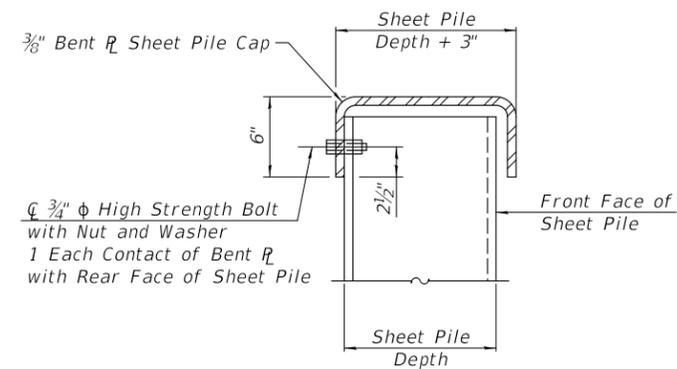
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N:\MortonGrove\190025\Struct\190025-03-Detail-MSlab-01.sht	DRAWN - DOC PDR	REVISIED -	REVISIED -					1332	19-00108-01-BT	COOK	72	48
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	PLOT DATE = 5/6/2022	DATE - 1-14-2022	REVISIED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT



SECTION THRU PARAPET

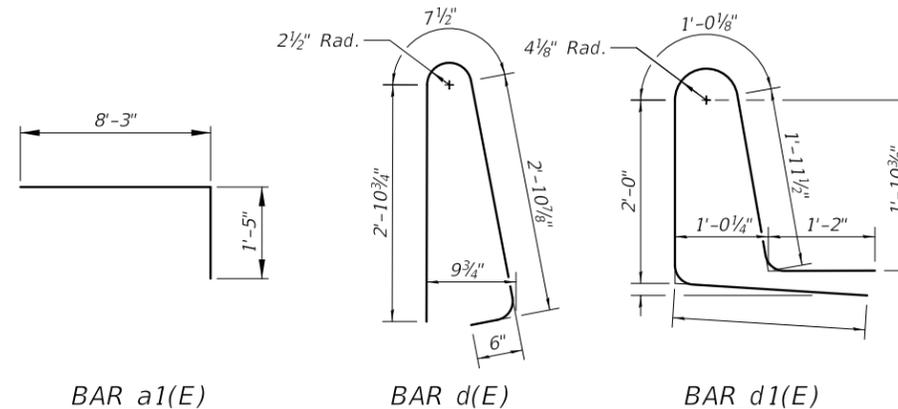


PARAPET JOINT DETAILS



SHEETING CAP DETAIL

Note: Cost of all installation, materials and labor for sheeting cap shall be included in the cost of Permanent Sheet Piling.



BAR a1(E)

BAR d(E)

BAR d1(E)

SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	90	#5	8'-3"	—
a1(E)	90	#6	9'-8"	—
b(E)	38	#5	32'-3"	—
b1(E)	20	#5	29'-10"	—
d(E)	135	#5	6'-5"	⌒
d1(E)	135	#5	8'-5"	⌒
e(E)	48	#4	14'-8"	—
e1(E)	8	#4	31'-10"	—
e2(E)	4	#4	29'-10"	—
Reinforcement Bars, Epoxy Coated			Lbs.	6,640
Concrete Superstructure			Cu. Yds.	47.8

Bars indicated thus 1 x 2-#4 etc. indicates 1 line of bars with 2 lengths per line.

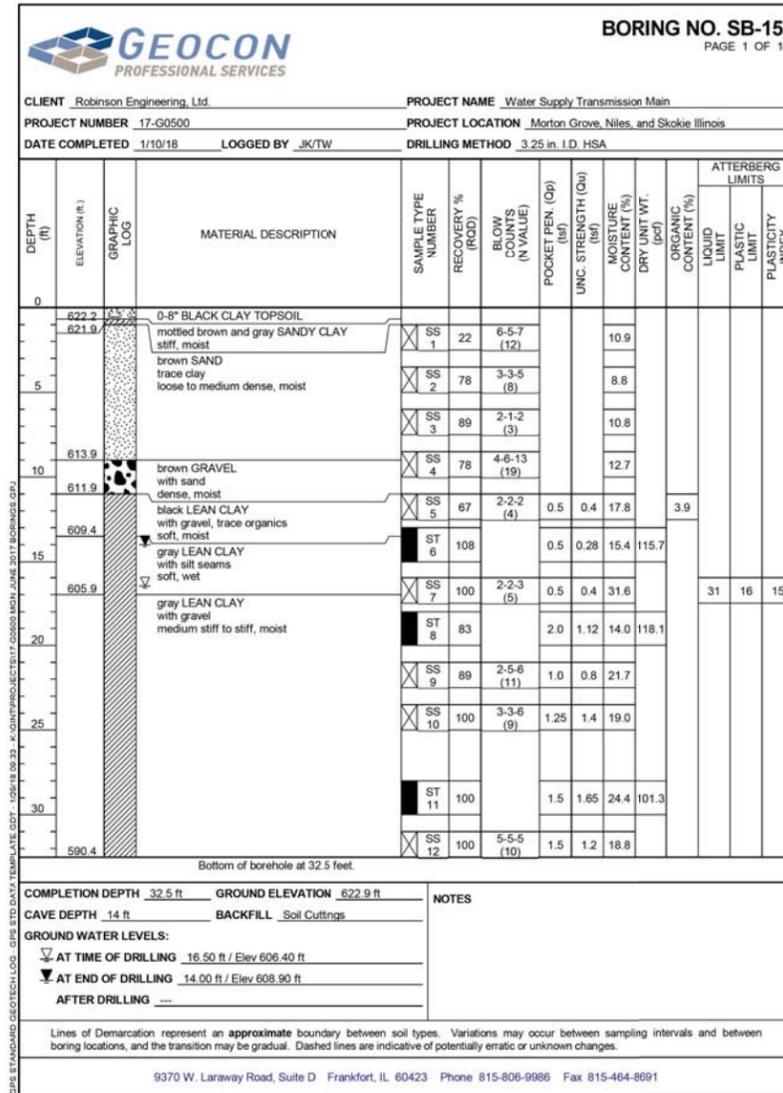
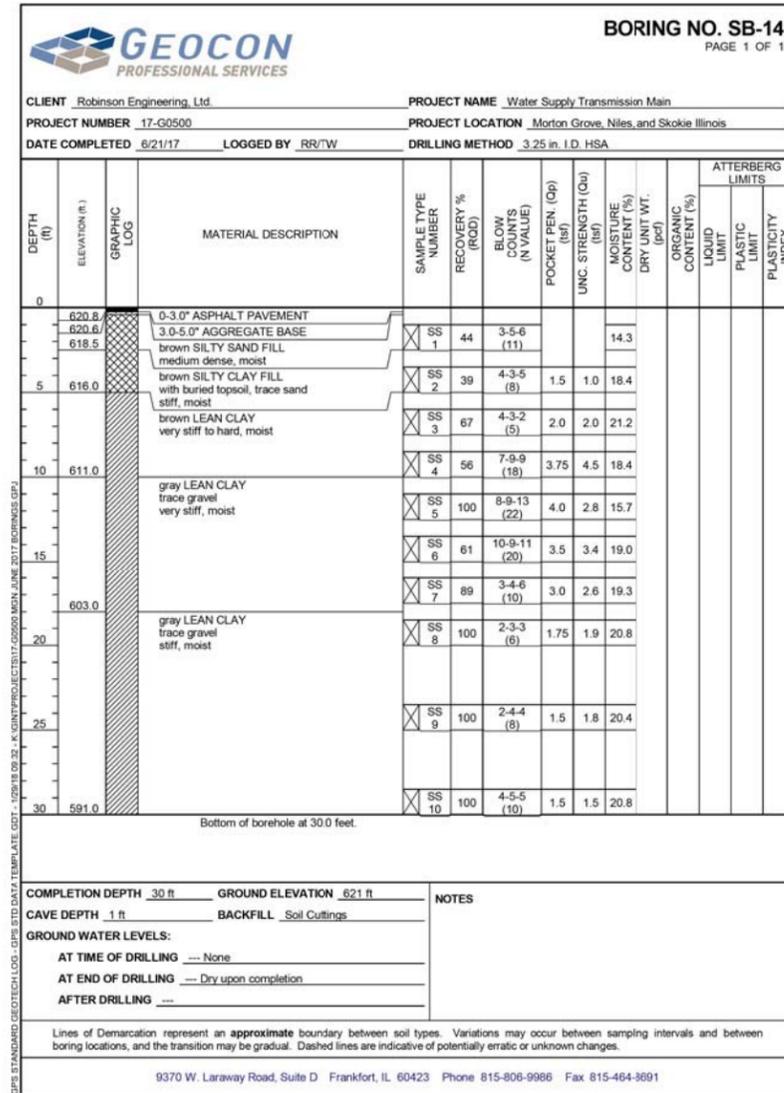
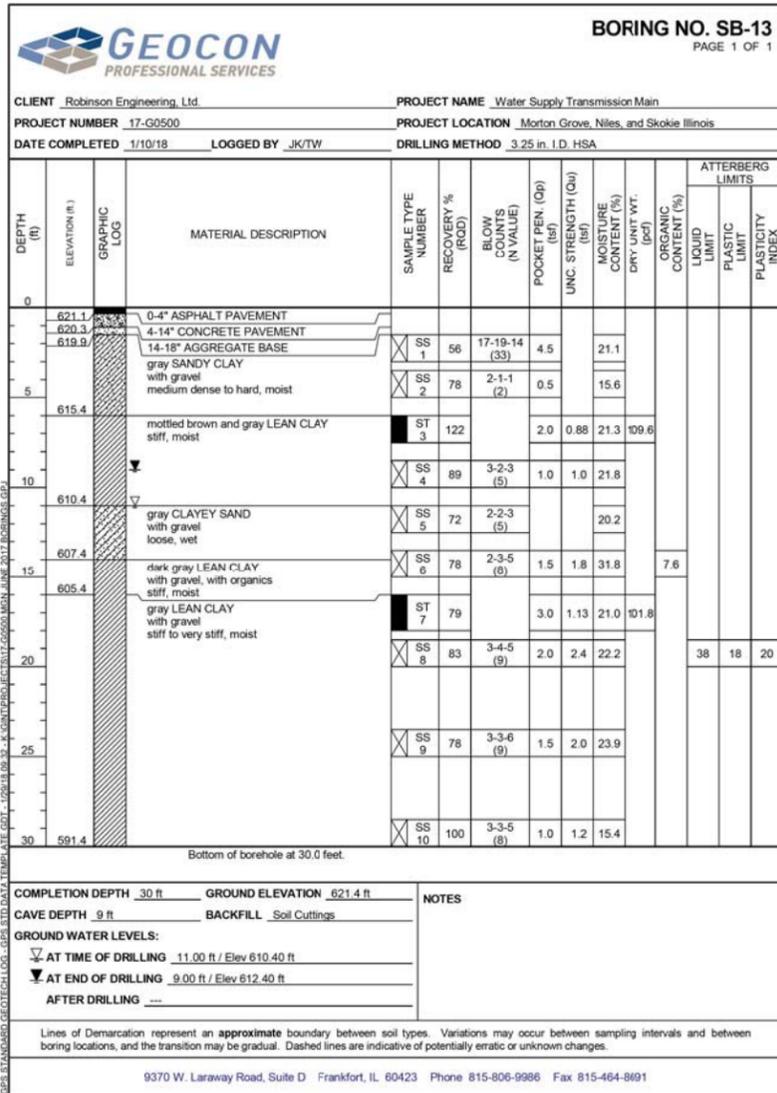
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

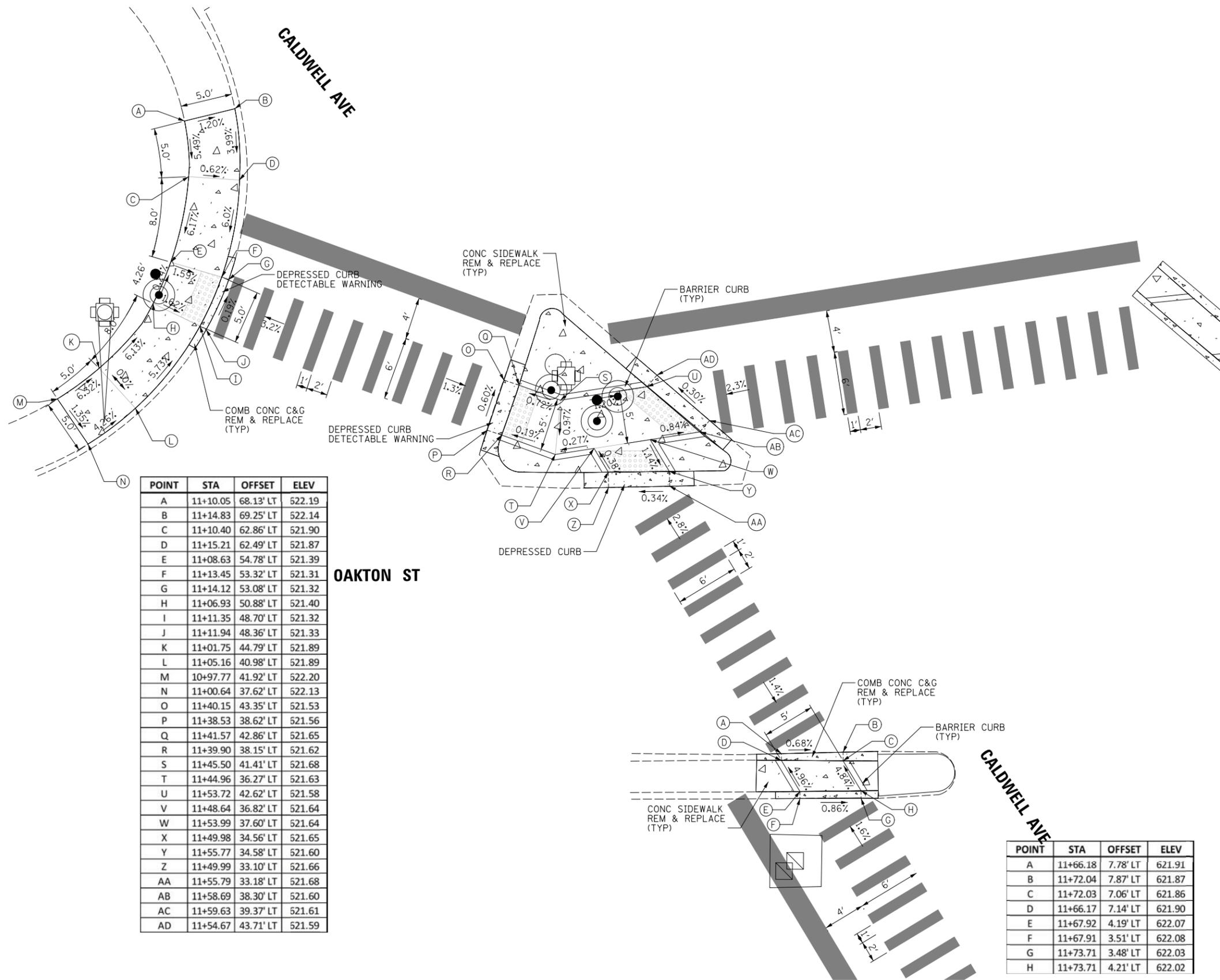
SUPERSTRUCTURE DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	19-00108-01-BT	COOK	72	49
			CONTRACT NO. 61H82	
ILLINOIS FED. AID PROJECT				



FILE NAME =	USER NAME = doconnell	DESIGNED - DOC CF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING LOGS	F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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Default	PLOT DATE = 5/6/2022	CHECKED - LMF MM	REVISED -			CONTRACT NO. 61H82					
		DATE - 1-14-2022	REVISED -			ILLINOIS FED. AID PROJECT					

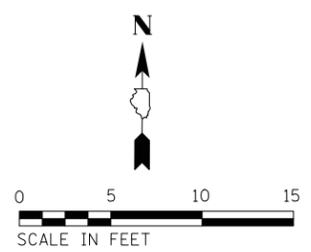


POINT	STA	OFFSET	ELEV
A	11+10.05	68.13' LT	522.19
B	11+14.83	69.25' LT	522.14
C	11+10.40	62.86' LT	521.90
D	11+15.21	62.49' LT	521.87
E	11+08.63	54.78' LT	521.39
F	11+13.45	53.32' LT	521.31
G	11+14.12	53.08' LT	521.32
H	11+06.93	50.88' LT	521.40
I	11+11.35	48.70' LT	521.32
J	11+11.94	48.36' LT	521.33
K	11+01.75	44.79' LT	521.89
L	11+05.16	40.98' LT	521.89
M	10+97.77	41.92' LT	522.20
N	11+00.64	37.62' LT	522.13
O	11+40.15	43.35' LT	521.53
P	11+38.53	38.62' LT	521.56
Q	11+41.57	42.86' LT	521.65
R	11+39.90	38.15' LT	521.62
S	11+45.50	41.41' LT	521.68
T	11+44.96	36.27' LT	521.63
U	11+53.72	42.62' LT	521.58
V	11+48.64	36.82' LT	521.64
W	11+53.99	37.60' LT	521.64
X	11+49.98	34.56' LT	521.65
Y	11+55.77	34.58' LT	521.60
Z	11+49.99	33.10' LT	521.66
AA	11+55.79	33.18' LT	521.68
AB	11+58.69	38.30' LT	521.60
AC	11+59.63	39.37' LT	521.61
AD	11+54.67	43.71' LT	521.59

OAKTON ST

POINT	STA	OFFSET	ELEV
A	11+66.18	7.78' LT	621.91
B	11+72.04	7.87' LT	621.87
C	11+72.03	7.06' LT	621.86
D	11+66.17	7.14' LT	621.90
E	11+67.92	4.19' LT	622.07
F	11+67.91	3.51' LT	622.08
G	11+73.71	3.48' LT	622.03
H	11+73.71	4.21' LT	622.02

CALDWELL AVE



FILE NAME =	USER NAME = doconnell	DESIGNED - DOC	REVISED -
N:\MortonGrove\190025\Civil\ADA\190025-01.SHT		DRAWN - DOC	REVISED -
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	PLOT DATE = 5/6/2022	DATE - 1-14-2022	REVISED -

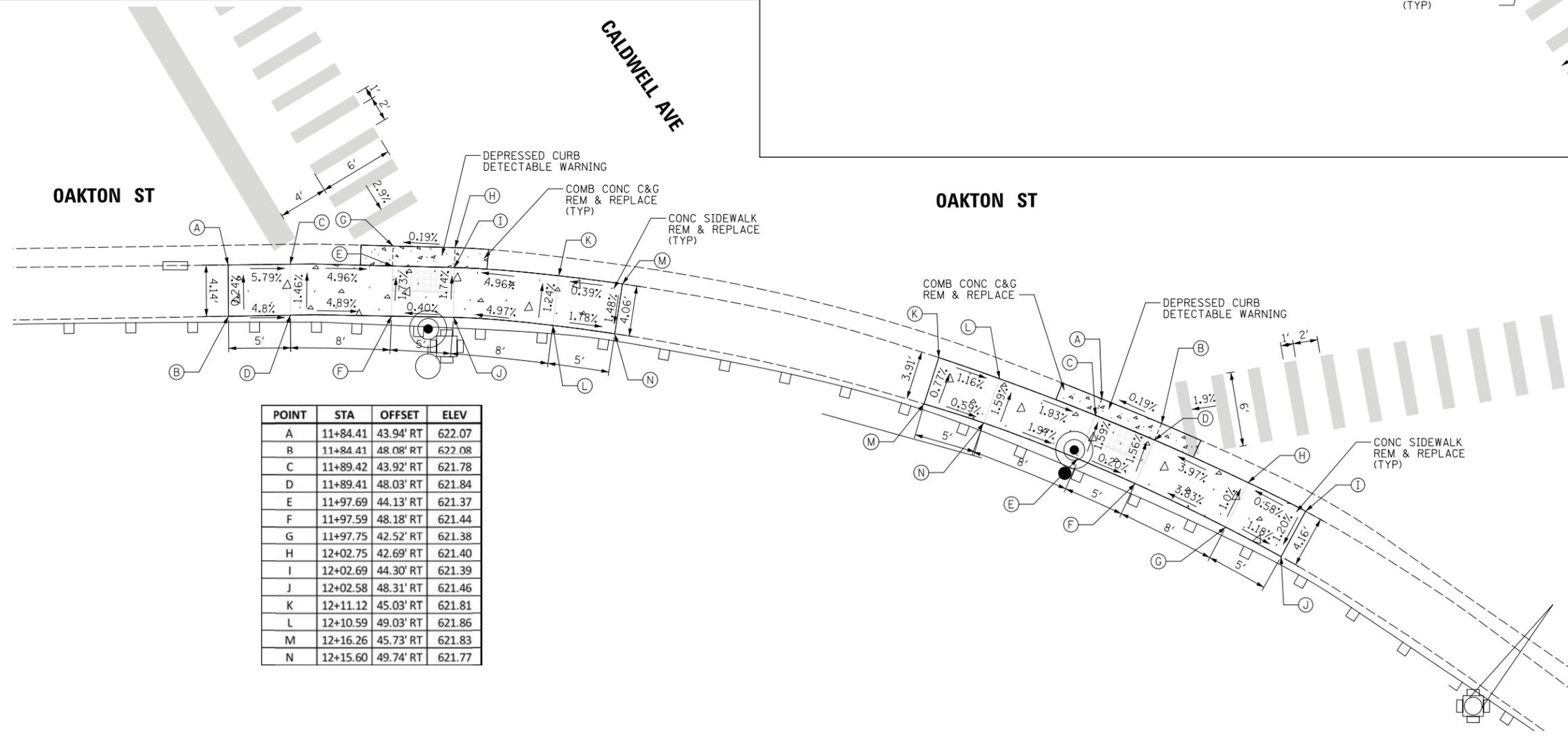
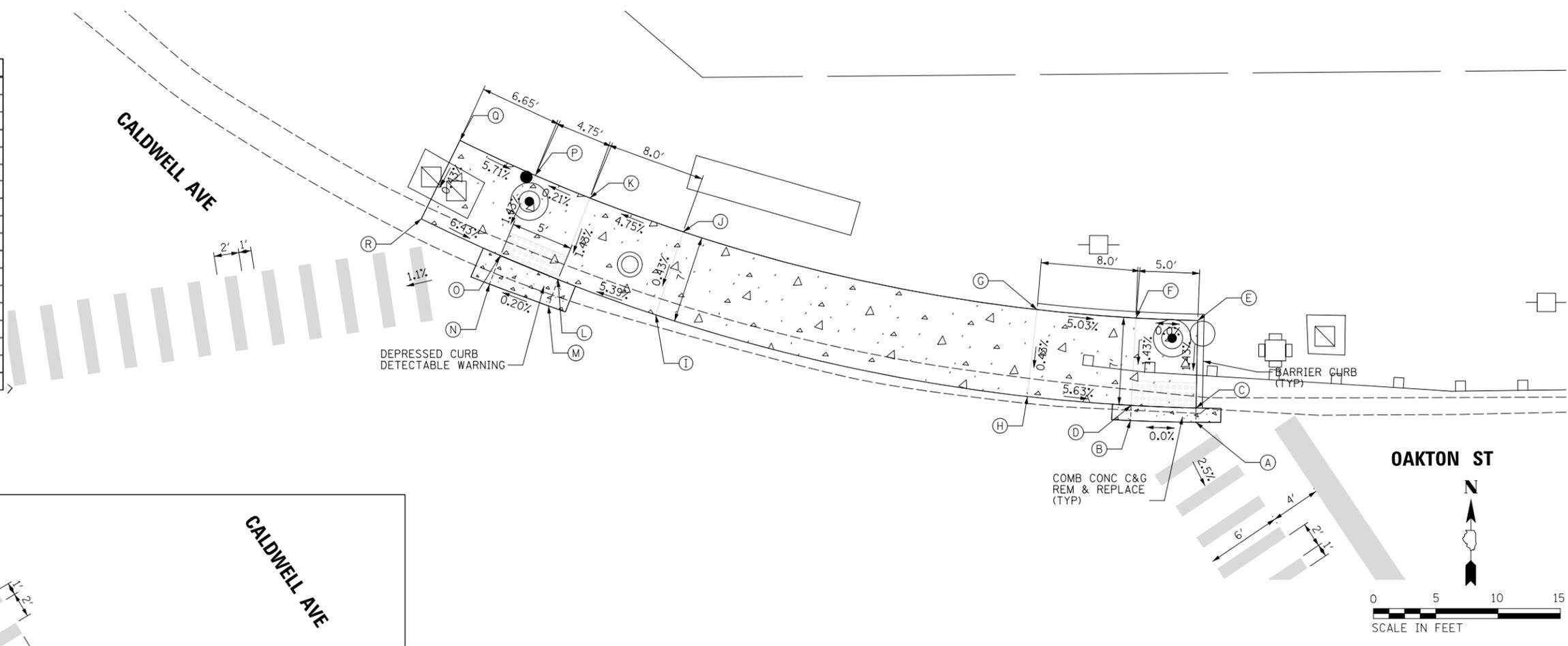
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP PLANS

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	19-00108-01-BT	COOK	72	52
CONTRACT NO. 61H82			ILLINOIS FED. AID PROJECT	

POINT	STA	OFFSET	ELEV
A	13+07.61	42.08' LT	621.07
B	13+02.35	42.26' LT	621.07
C	13+07.62	43.23' LT	621.06
D	13+02.41	43.48' LT	621.06
E	13+07.82	50.23' LT	621.16
F	13+02.86	50.46' LT	621.16
G	12+94.94	51.20' LT	621.56
H	12+94.10	44.25' LT	621.53
I	12+64.34	51.03' LT	621.45
J	12+66.58	57.66' LT	621.48
K	12+59.12	60.42' LT	621.10
L	12+56.51	53.93' LT	621.00
M	12+55.73	51.82' LT	621.01
N	12+51.01	53.60' LT	621.00
O	12+51.91	55.87' LT	620.39
P	12+54.74	62.27' LT	621.09
Q	12+48.73	65.12' LT	621.47
R	12+45.59	58.87' LT	621.44



POINT	STA	OFFSET	ELEV
A	11+84.41	43.94' RT	622.07
B	11+84.41	48.08' RT	622.08
C	11+89.42	43.92' RT	621.78
D	11+89.41	48.03' RT	621.84
E	11+97.69	44.13' RT	621.37
F	11+97.59	48.18' RT	621.44
G	11+97.75	42.52' RT	621.38
H	12+02.75	42.69' RT	621.40
I	12+02.69	44.30' RT	621.39
J	12+02.58	48.31' RT	621.46
K	12+11.12	45.03' RT	621.81
L	12+10.59	49.03' RT	621.86
M	12+16.26	45.73' RT	621.83
N	12+15.60	49.74' RT	621.77

POINT	STA	OFFSET	ELEV
A	12+54.92	55.30	621.43
B	12+59.72	57.33	621.44
C	12+54.38	56.63	621.42
D	12+59.14	58.66	621.43
E	12+52.92	60.11	621.48
F	12+57.56	62.16	621.49
G	12+64.84	65.72	621.80
H	12+66.68	62.15	621.76
I	12+71.31	64.49	621.79
J	12+69.29	68.14	621.74
K	12+41.77	51.88	621.64
L	12+46.65	53.61	621.58
M	12+40.55	55.60	621.67
N	12+45.37	57.17	621.64

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N:\MortonGrove\190025\Civil\ADA\190025.02.SHT		DRAWN - DOC	REVISED -
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	PLOT DATE = 5/6/2022	DATE - 1-14-2022	REVISED -

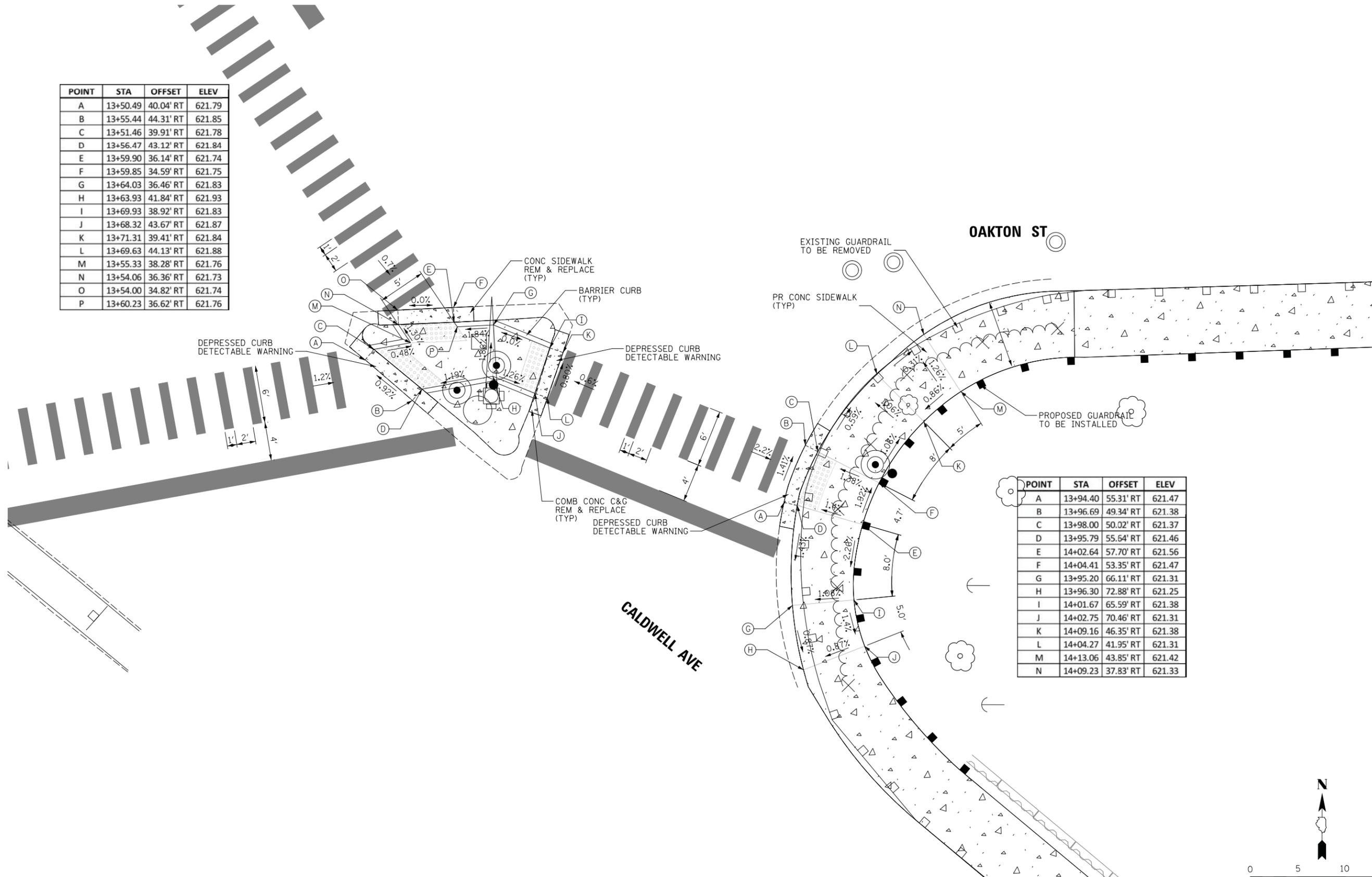
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ADA RAMP PLANS

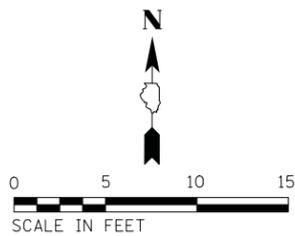
SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.U. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	19-00108-01-BT	COOK	72	53
CONTRACT NO. 61H82				
ILLINOIS FED. AID PROJECT				

POINT	STA	OFFSET	ELEV
A	13+50.49	40.04' RT	621.79
B	13+55.44	44.31' RT	621.85
C	13+51.46	39.91' RT	621.78
D	13+56.47	43.12' RT	621.84
E	13+59.90	36.14' RT	621.74
F	13+59.85	34.59' RT	621.75
G	13+64.03	36.46' RT	621.83
H	13+63.93	41.84' RT	621.93
I	13+69.93	38.92' RT	621.83
J	13+68.32	43.67' RT	621.87
K	13+71.31	39.41' RT	621.84
L	13+69.63	44.13' RT	621.88
M	13+55.33	38.28' RT	621.76
N	13+54.06	36.36' RT	621.73
O	13+54.00	34.82' RT	621.74
P	13+60.23	36.62' RT	621.76



POINT	STA	OFFSET	ELEV
A	13+94.40	55.31' RT	621.47
B	13+96.69	49.34' RT	621.38
C	13+98.00	50.02' RT	621.37
D	13+95.79	55.64' RT	621.46
E	14+02.64	57.70' RT	621.56
F	14+04.41	53.35' RT	621.47
G	13+95.20	66.11' RT	621.31
H	13+96.30	72.88' RT	621.25
I	14+01.67	65.59' RT	621.38
J	14+02.75	70.46' RT	621.31
K	14+09.16	46.35' RT	621.38
L	14+04.27	41.95' RT	621.31
M	14+13.06	43.85' RT	621.42
N	14+09.23	37.83' RT	621.33



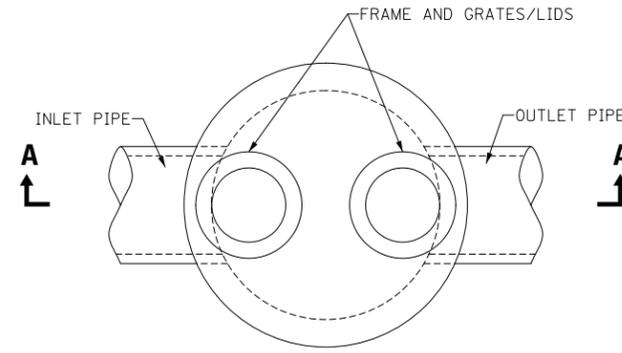
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Default	PLOT SCALE = 5'	CHECKED - LMF	REVISED -
	PLOT DATE = 5/6/2022	DATE - 1-14-2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

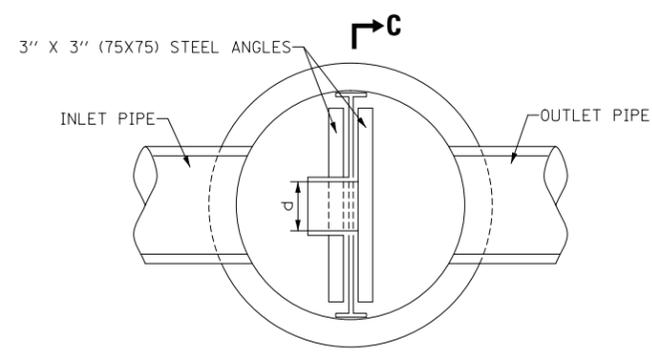
ADA RAMP PLANS

SCALE: SHEET OF SHEETS STA. TO STA.

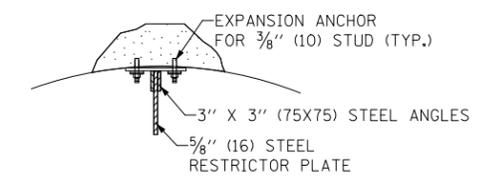
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1332	19-00108-01-BT	COOK	72	54
CONTRACT NO. 61H82				
ILLINOIS FED. AID PROJECT				



PLAN VIEW

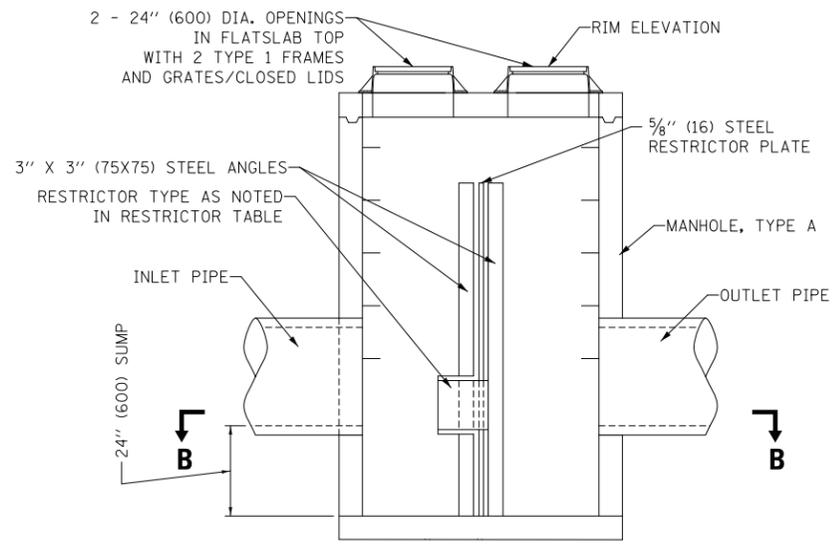


SECTION B-B

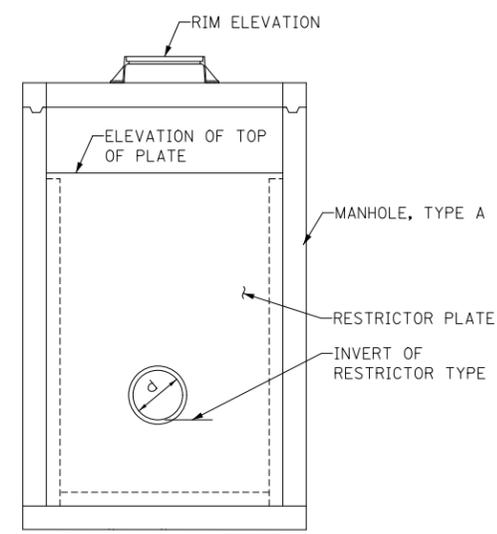


ANGLE FASTENER DETAIL

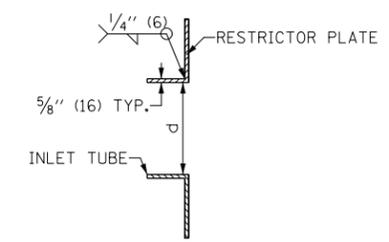
- NOTES:**
1. ALL STEEL ANGLES AND PLATES TO BE GALVANIZED AFTER FABRICATION.
 2. ALL RESTRICTOR PLATES, ANGLES AND HARDWARE TO BE INCLUDED IN THE COST OF THE MANHOLE.
 3. BASIS OF PAYMENT: "MANHOLES, WITH RESTRICTOR PLATE" EACH



SECTION A-A



SECTION C-C

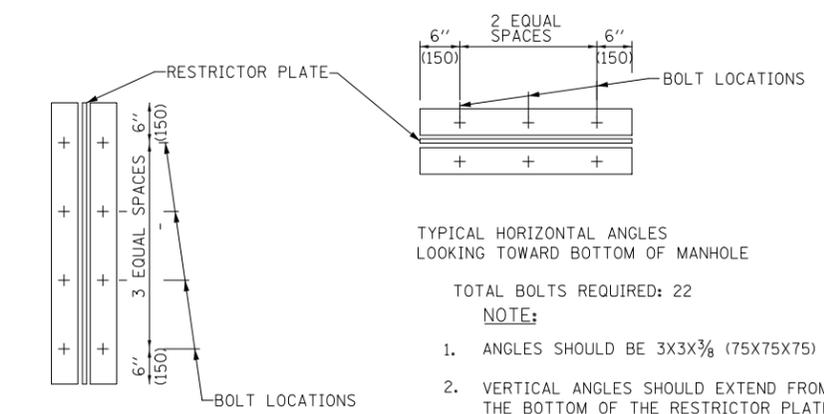


INLET TUBE DETAIL

RESTRICTOR TYPE	
1	2
SHARP EDGED	SQUARE EDGED
	STREAM CLEARS SIDES
C=.61	C=.61

VALUES OF "C" FOR CIRCULAR AND SQUARE ORIFICES

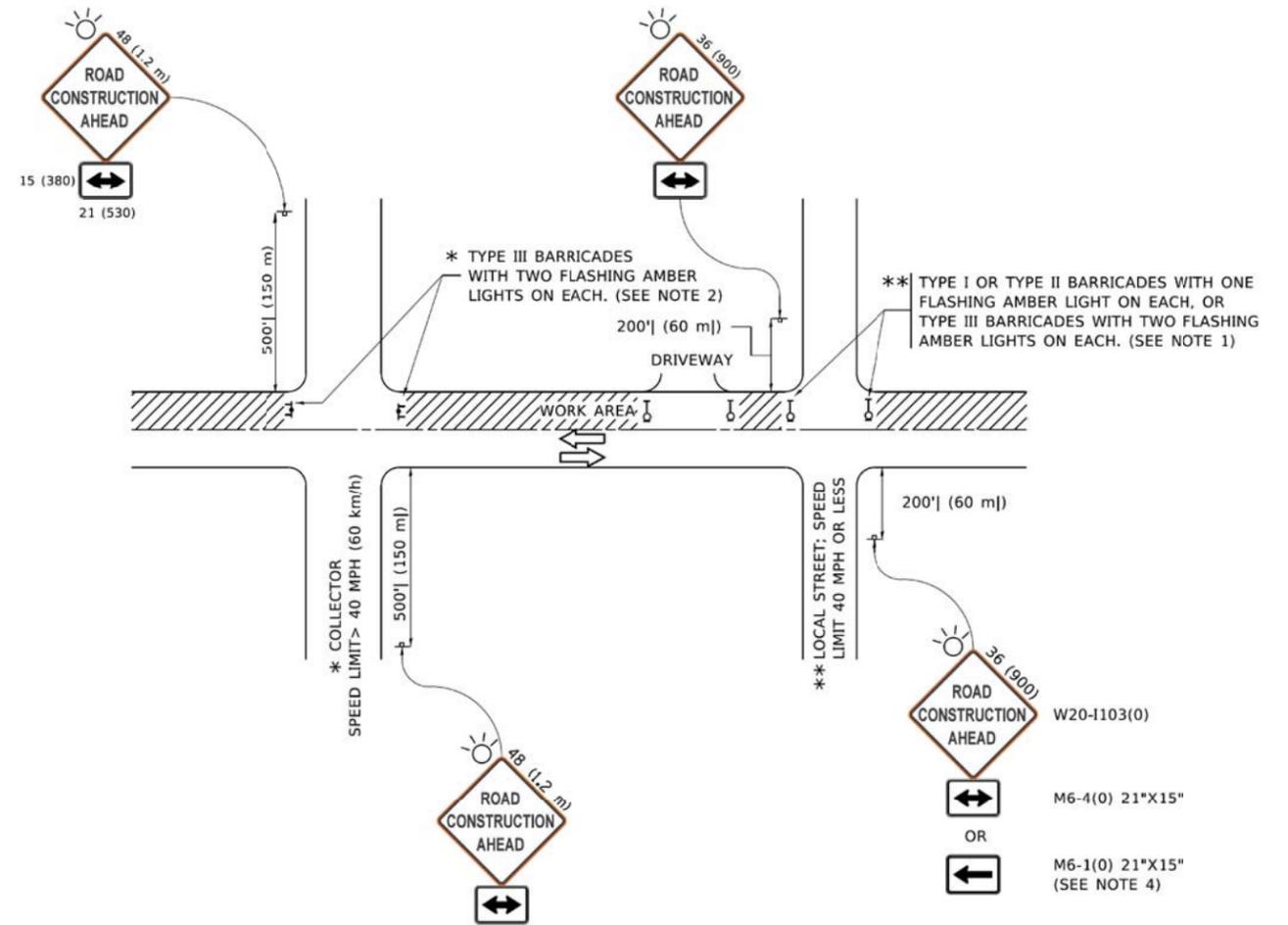
	OUTLET #	STATION/OFFSET	MANHOLE DIAMETER	FRAMES & GRATES	RESTRICTOR TYPE	RESTRICTOR DIAMETER	INVERT OF RESTRICTOR	ELEVATION OF TOP OF PLATE OVERFLOW	RIM ELEVATION	INLET/OUTLET PIPE DIAMETER	INLET/OUTLET PIPE INVERTS
CALDWELL	1	27+57.65 6.5' RT	6'	TIF CL	1	10.0"	612.13	779.00	621.00	24"/15"	612.13



STEEL ANGLE BOLTING DETAILS

- TYPICAL HORIZONTAL ANGLES LOOKING TOWARD BOTTOM OF MANHOLE
- TOTAL BOLTS REQUIRED: 22
- NOTE:**
1. ANGLES SHOULD BE 3X3X3/8 (75X75X75)
 2. VERTICAL ANGLES SHOULD EXTEND FROM THE BOTTOM OF THE RESTRICTOR PLATE TO THE BOTTOM OF THE RESTRICTOR PLATE TO THE TOP.
 3. HORIZONTAL ANGLES SHOULD EXTEND FROM VERTICAL ANGLE TO VERTICAL ANGLE.

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



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.

MODEL: D:\m\p\... PROJECT: ...

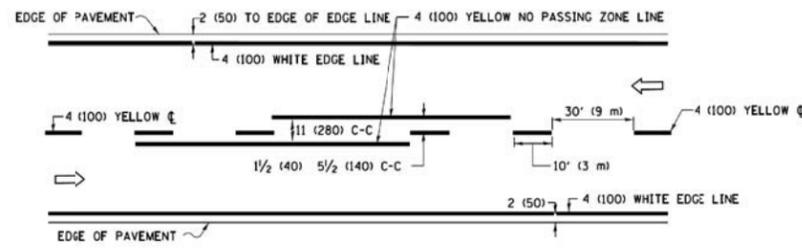
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

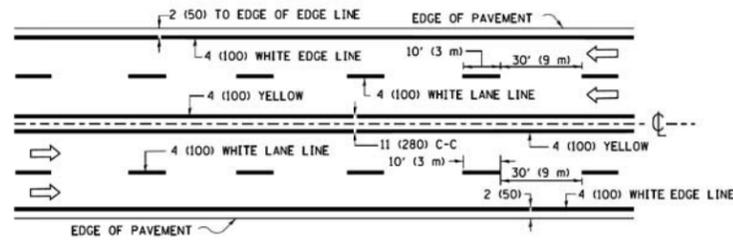
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	DRAWN -	REVISED - T. RAMMACHER 01-06-09
PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
PLOT DATE = 3/4/2019	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

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

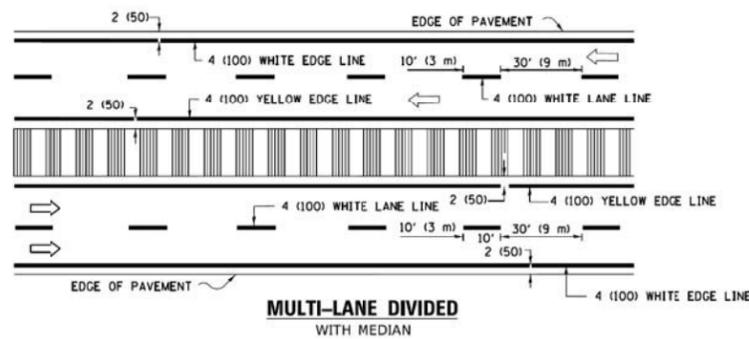
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	19-00108-01-BT	COOK	72	57
TC-10			CONTRACT NO. 61H82	
ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

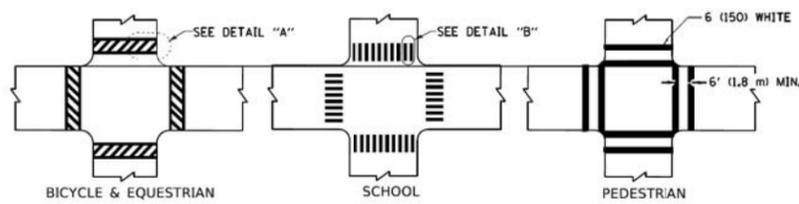


MULTI-LANE UNDIVIDED



MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

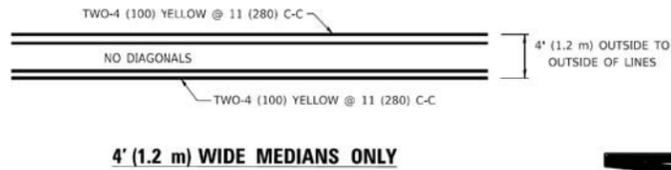


DETAIL "A"

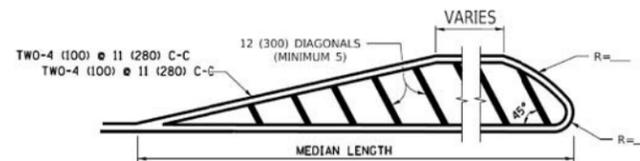
DETAIL "B"

TYPICAL CROSSWALK MARKING

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

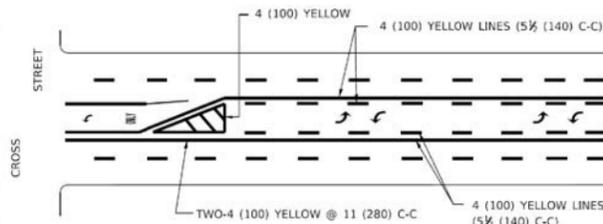


4' (1.2 m) WIDE MEDIANS ONLY



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))

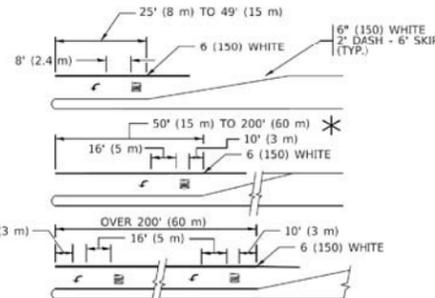
MEDIANS OVER 4' (1.2 m) WIDE



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

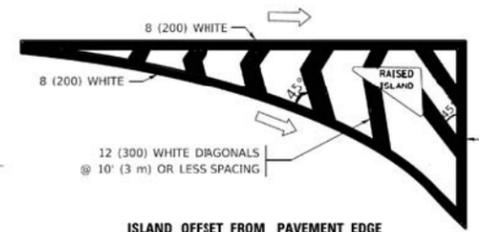


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) AREA = 20.8 SQ. FT. (1.9 m²)

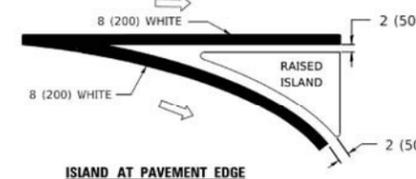
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - *ONLY* INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - *ONLY*.

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



ISLAND OFFSET FROM PAVEMENT EDGE

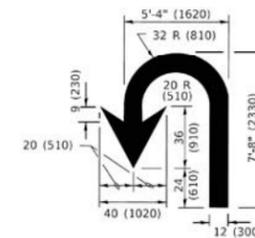


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

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

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 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 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
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.

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

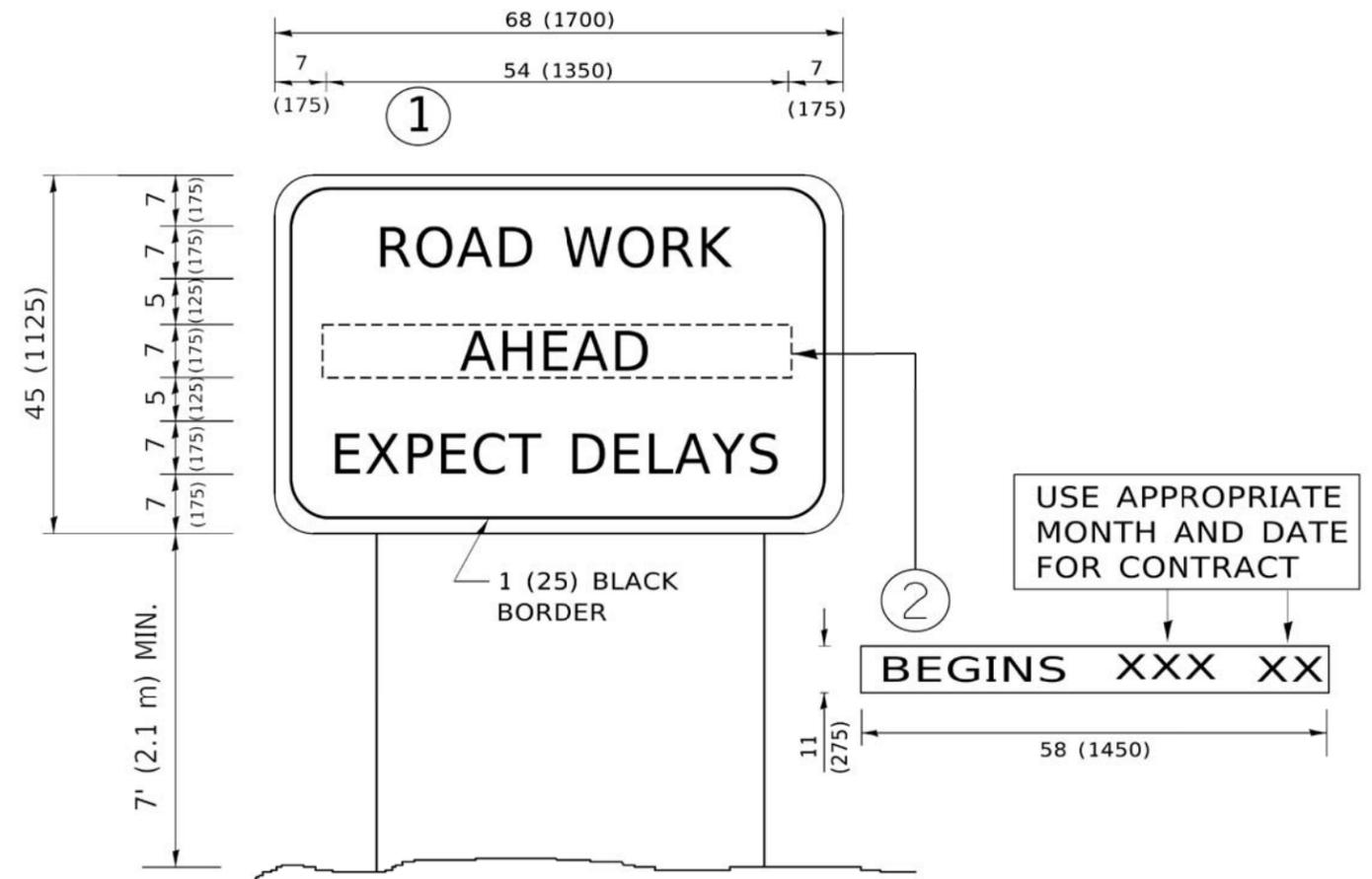
**DISTRICT ONE
TYPICAL PAVEMENT MARKINGS**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	19-00108-01-BT	COOK	72	58
TC-13			CONTRACT NO. 61H82	
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Detail; FILE NAME: \\NortonGrove\190825\C1v1\DET_190825_03.SHT



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.

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

**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.
1332	19-00108-01-BT	COOK	72	59
TC-22		CONTRACT NO. 61H82		
ILLINOIS FED. AID PROJECT				

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

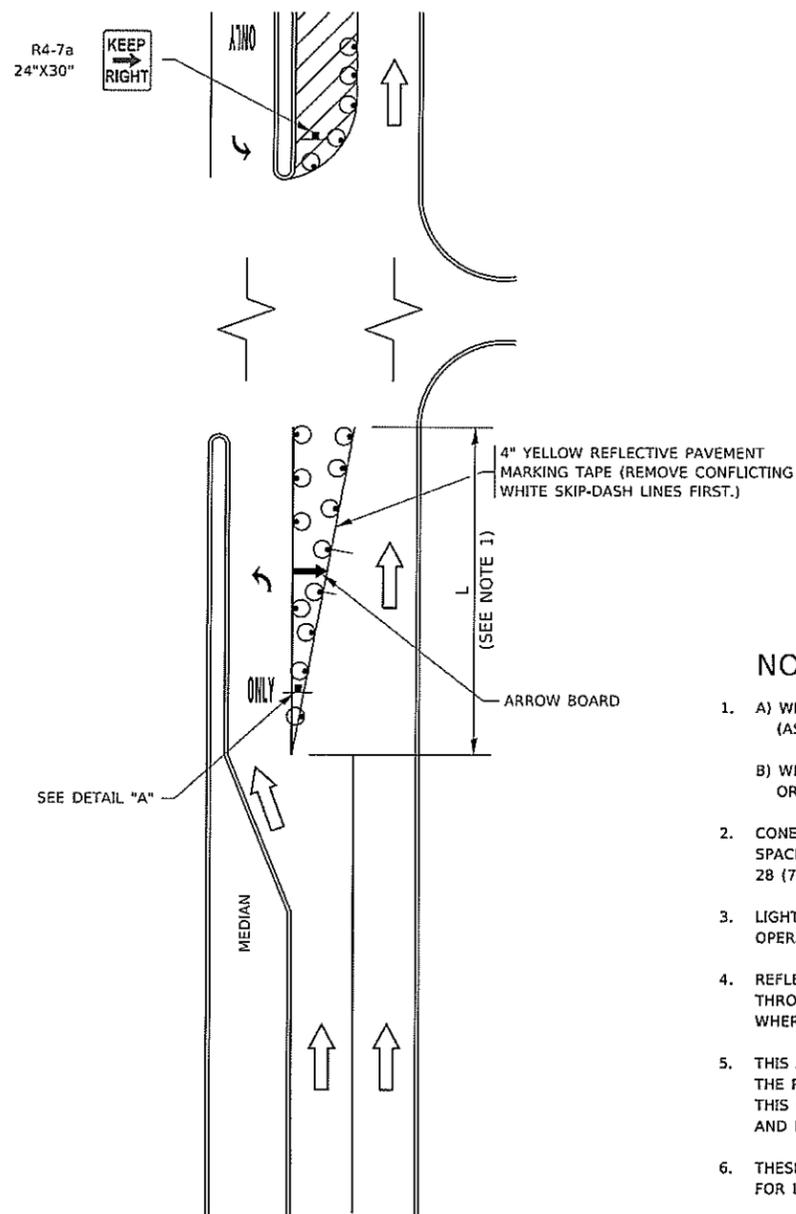
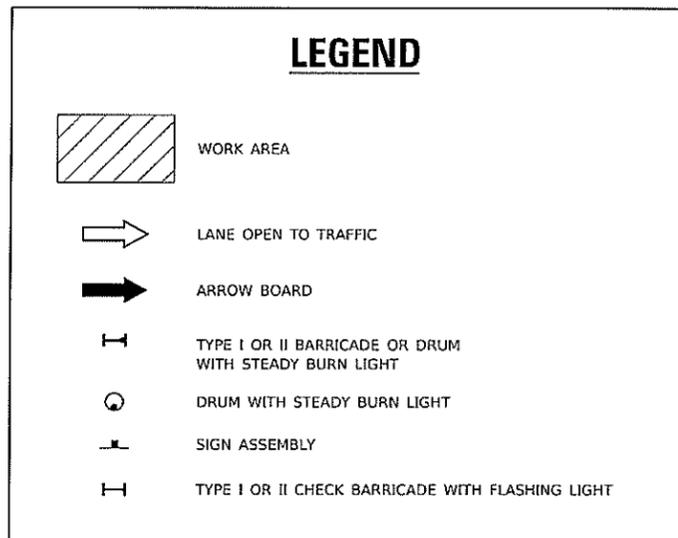


FIGURE 1

LEGEND



NOTES:

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

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

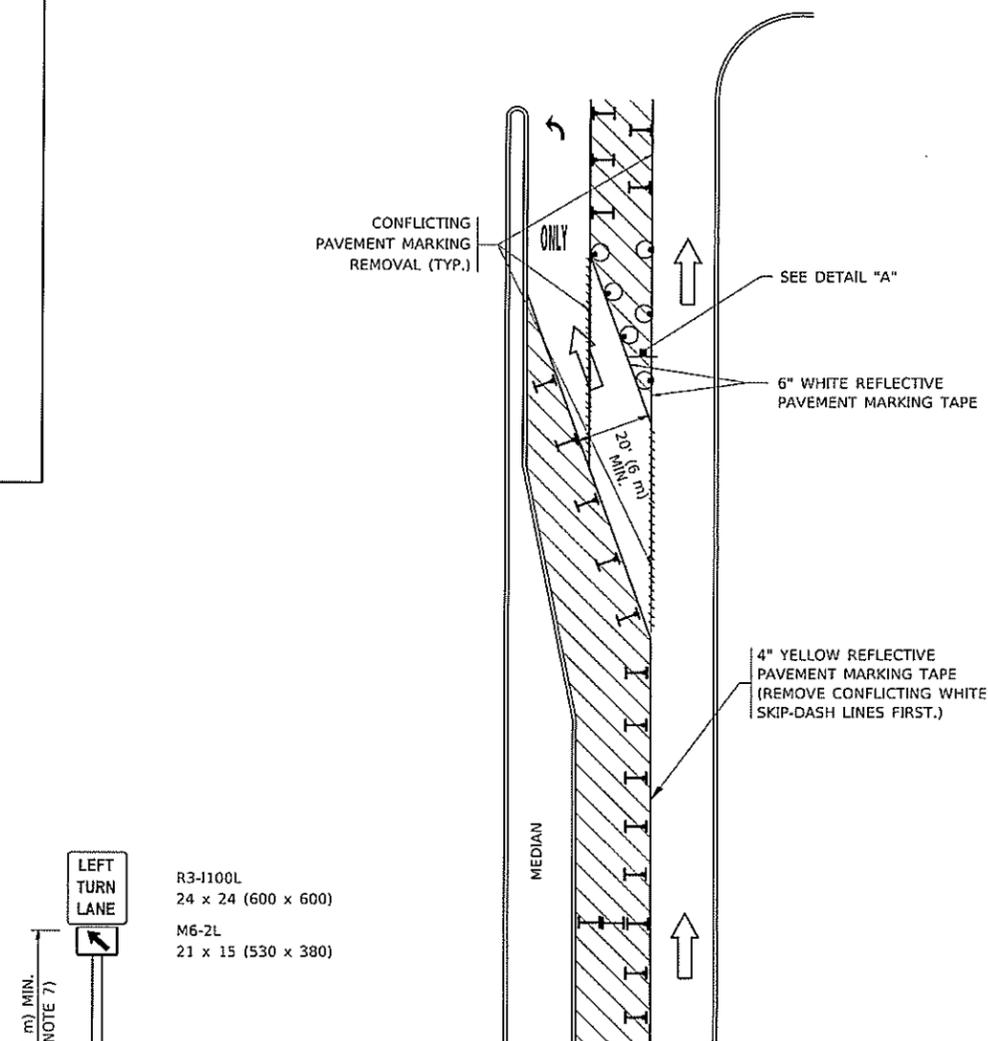
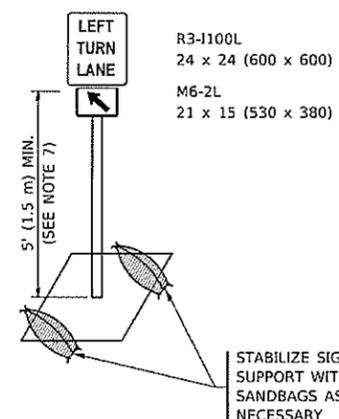


FIGURE 2



DETAIL A

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

MODEL: D:\mfr\...
 FILE NAME: ...
 PROJECT: ...
 OFFICE: ...
 DATE: ...

USER NAME = f0actemj	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

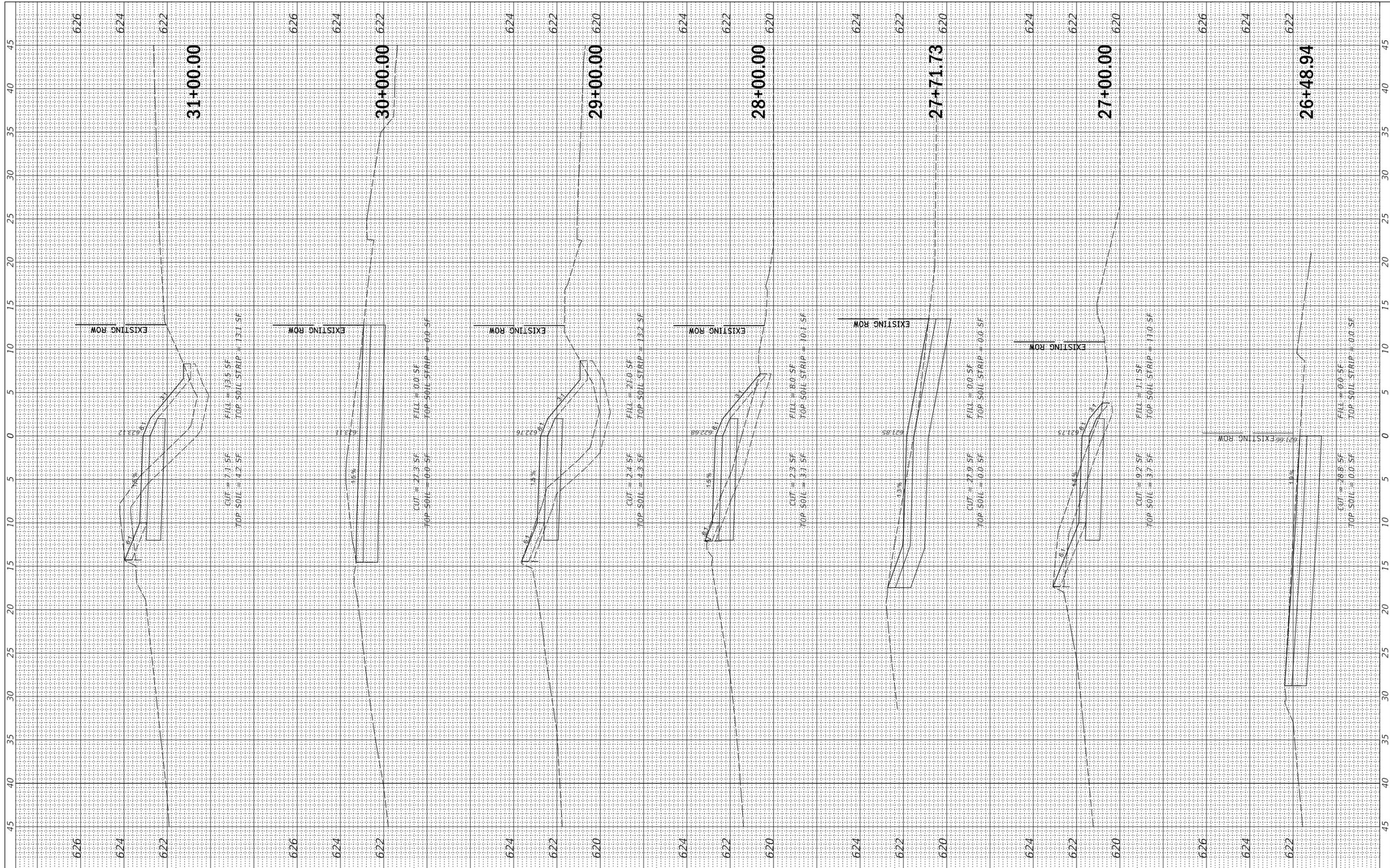
TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)

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

F.A.U. RTE. 1332	SECTION 19-00108-01-BT	COUNTY COOK	TOTAL SHEETS 72	SHEET NO. 59A
TC-14			CONTRACT NO. 61H82	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



FILE NAME = N:\MortonGrove\190025\Civil\XSEC_CALOAK_190025_01.SHT

USER NAME = dconnell

PLOT SCALE = 5'

PLOT DATE = 5/6/2022

DESIGNED -	DOC	REVISED -	
DRAWN -	DOC	REVISED -	
CHECKED -	LMF	REVISED -	
DATE -	1-14-2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

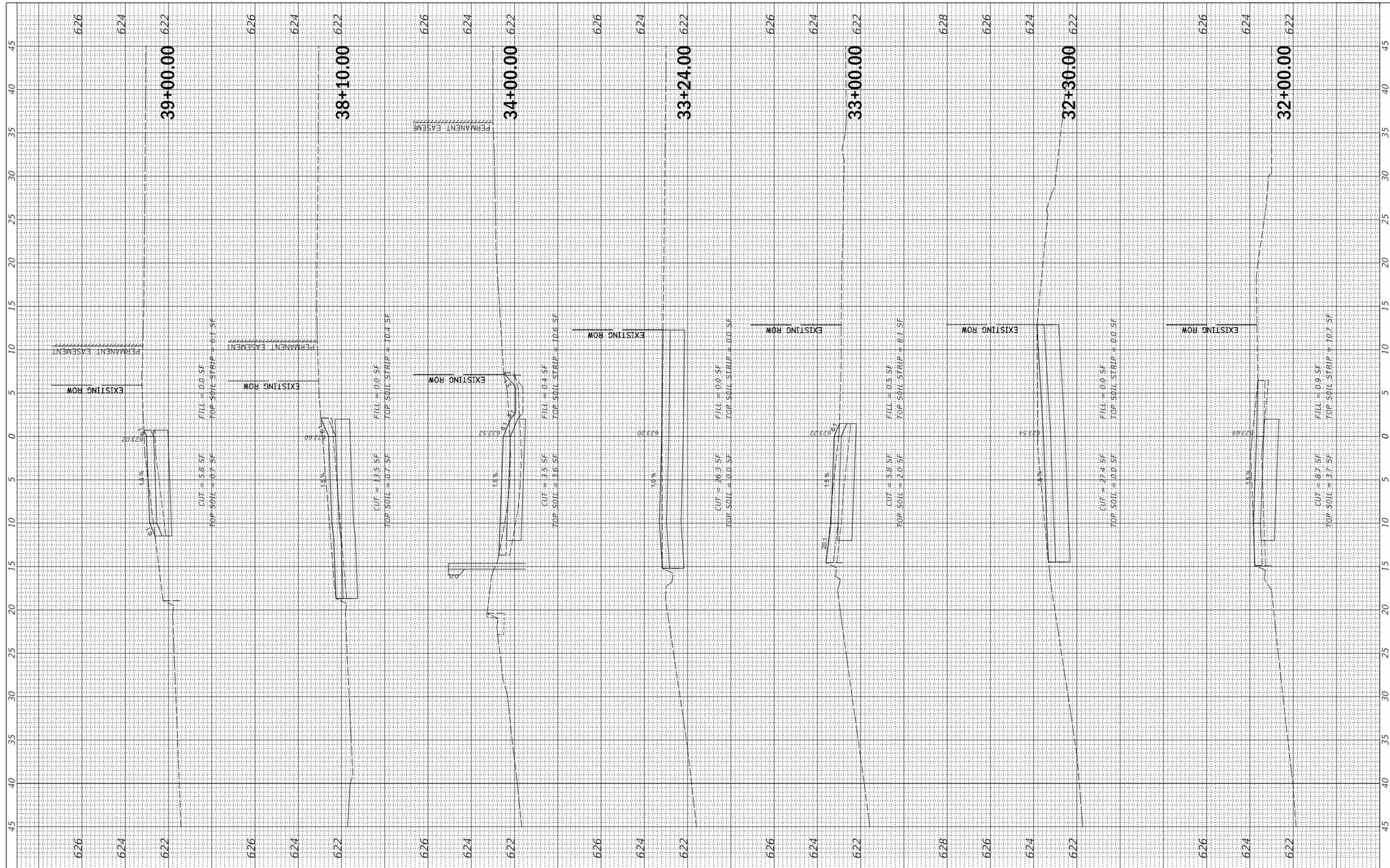
CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. 26+48.94 TO STA. 31+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	19-00108-01-BT	COOK	72	60
CONTRACT NO. 61H82				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



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		CHECKED - LMF	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

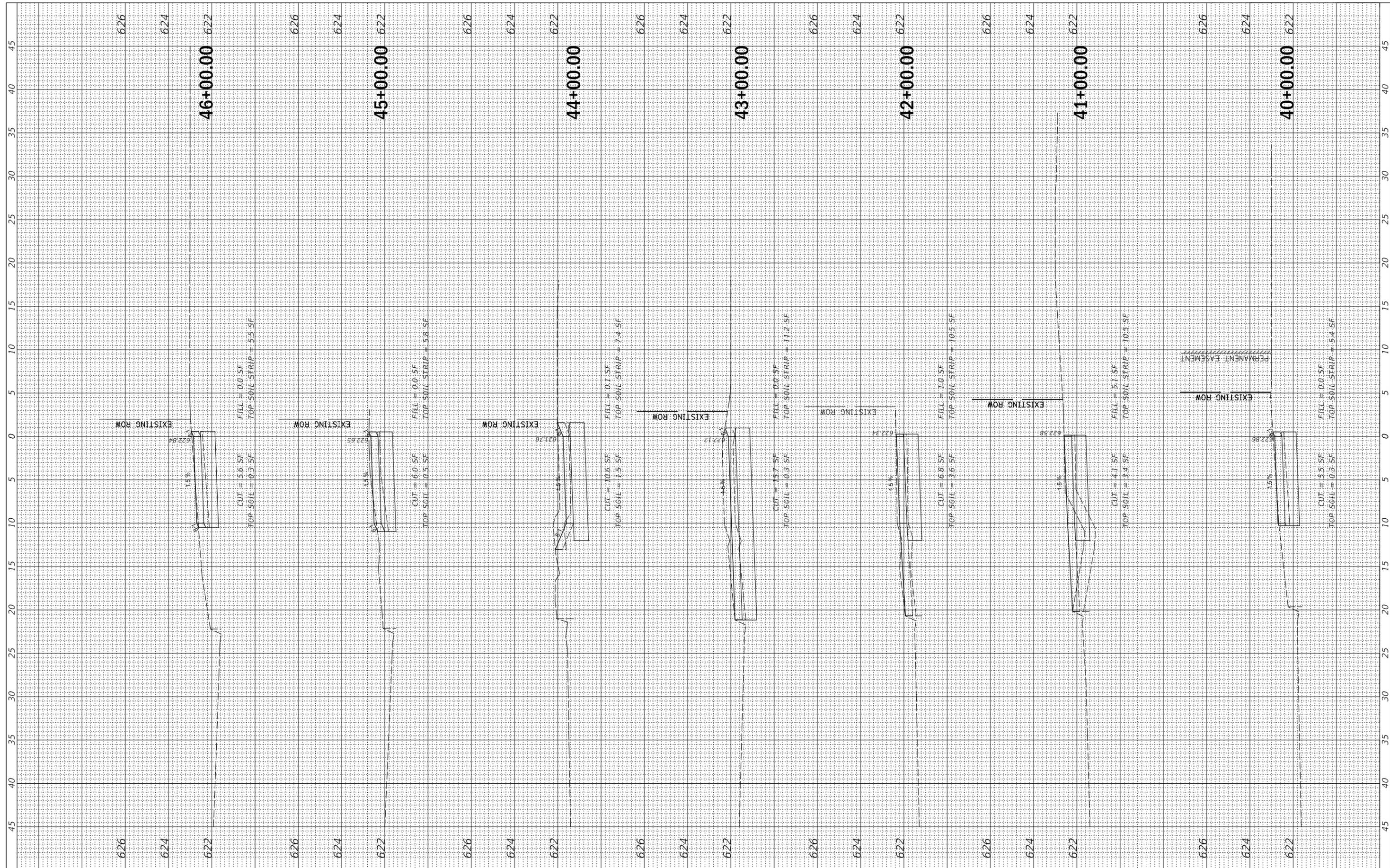
CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. 32+00.00 TO STA. 39+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	19-00108-01-BT	COOK	72	61
CONTRACT NO. 61H82				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



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 PLOT SCALE = 5'
 PLOT DATE = 5/6/2022

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DRAWN - DOC	REVISOR -
CHECKED - LMF	REVISOR -
DATE - 1-14-2022	REVISOR -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

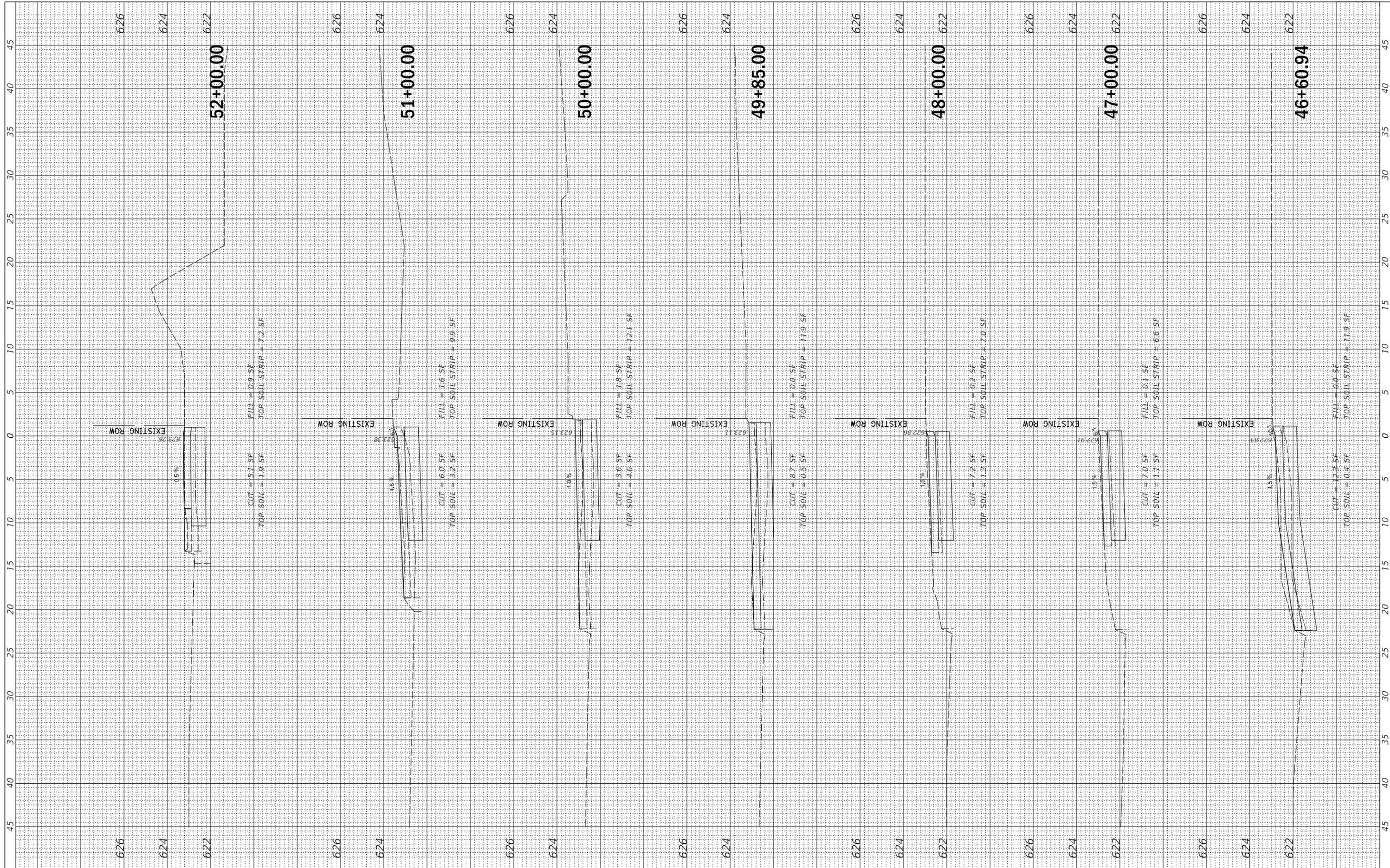
CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. 40+00.00 TO STA. 46+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	19-00108-01-BT	COOK	72	62
CONTRACT NO. 61H82				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



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 PLOT SCALE = 5'
 PLOT DATE = 5/6/2022

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CHECKED - LMF	REVISIED -
DATE - 1-14-2022	REVISIED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

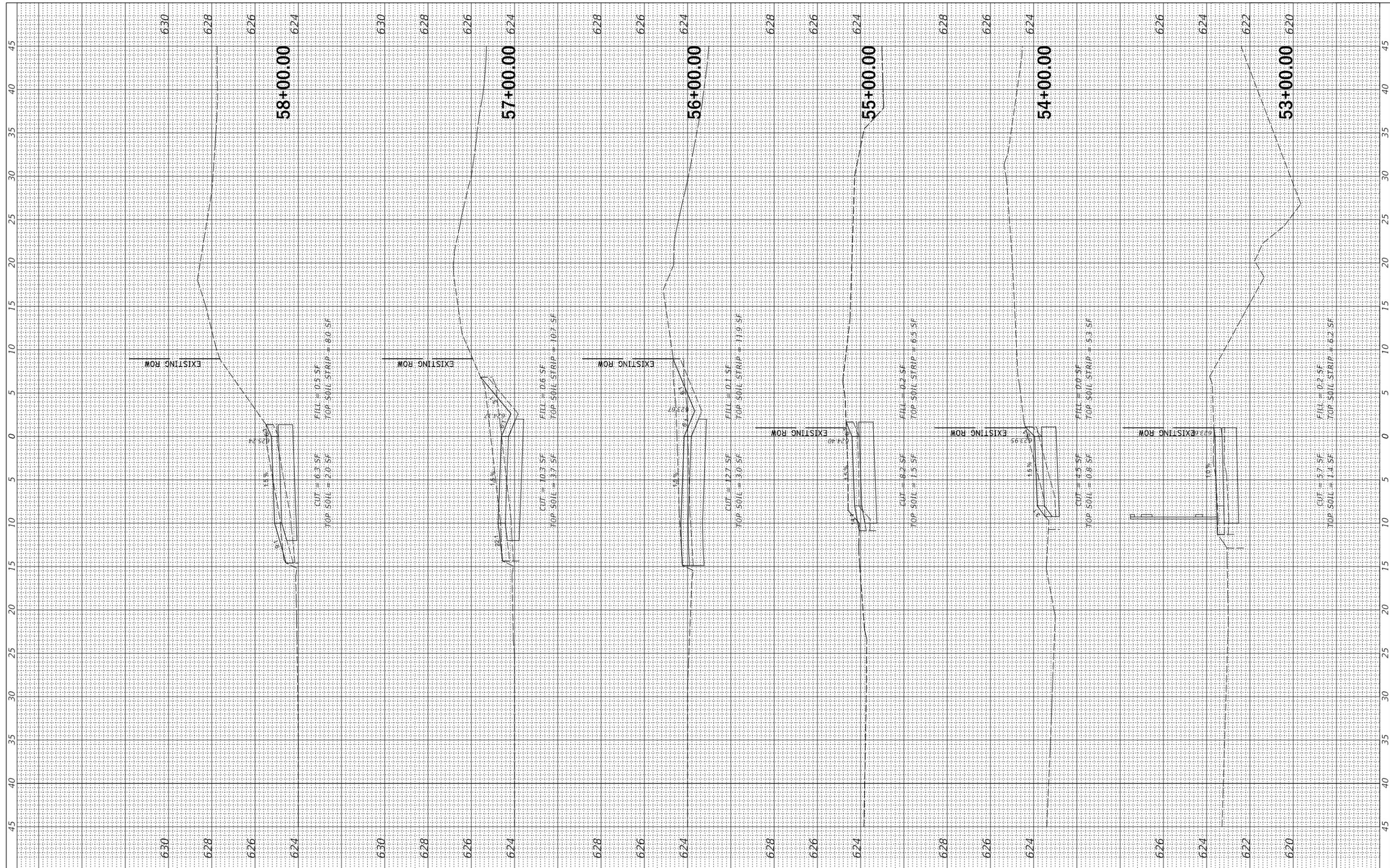
CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. 46+60.94 TO STA. 52+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	19-00108-01-BT	COOK	72	63
CONTRACT NO. 61H82				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

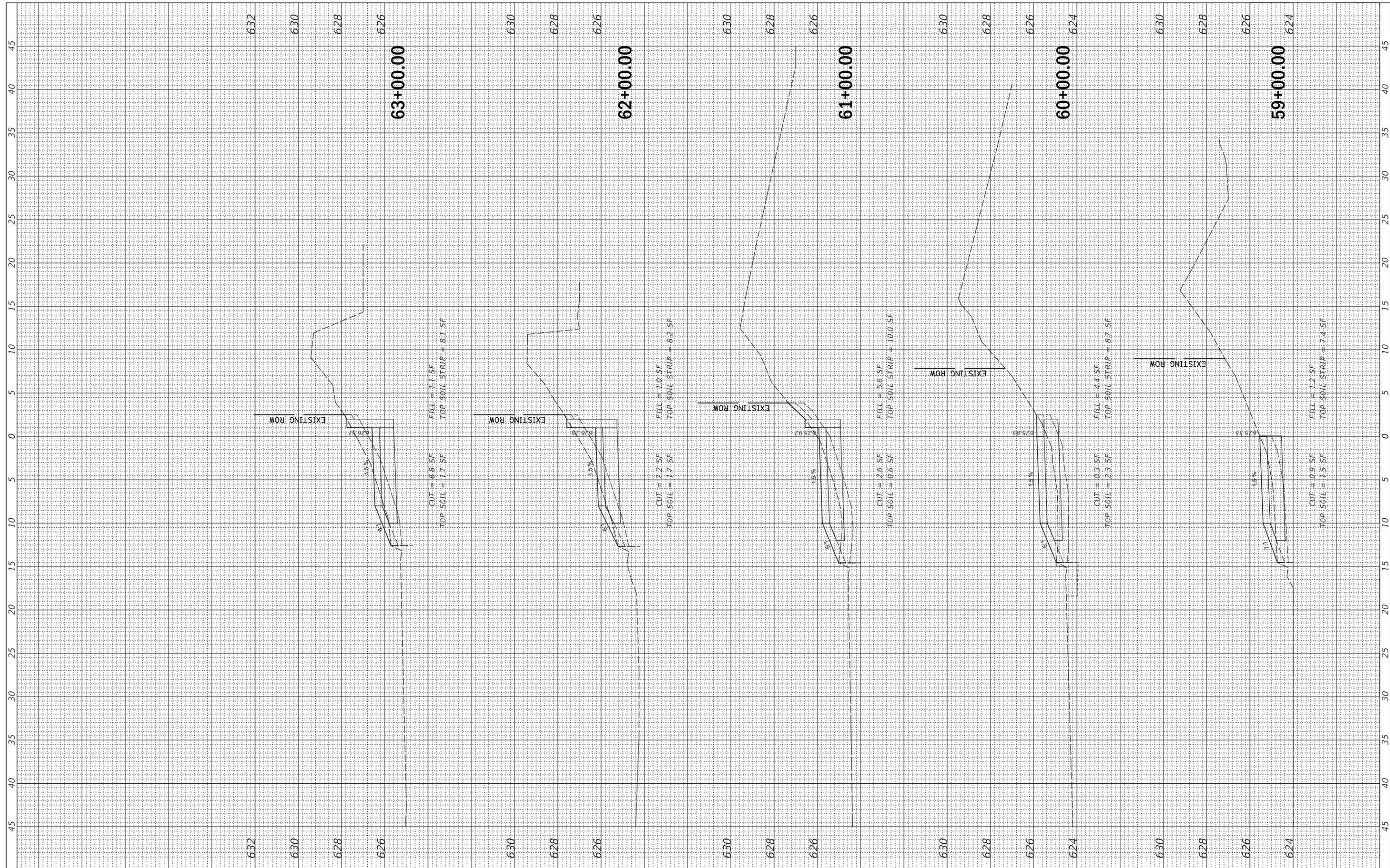
CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. 53+00.00 TO STA. 58+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	19-00108-01-BT	COOK	72	64
CONTRACT NO. 61H82			ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE
NOTE BOOK NO.	TEMPLATE AREAS CHECKED		

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE
NOTE BOOK NO.	TEMPLATE AREAS CHECKED		



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

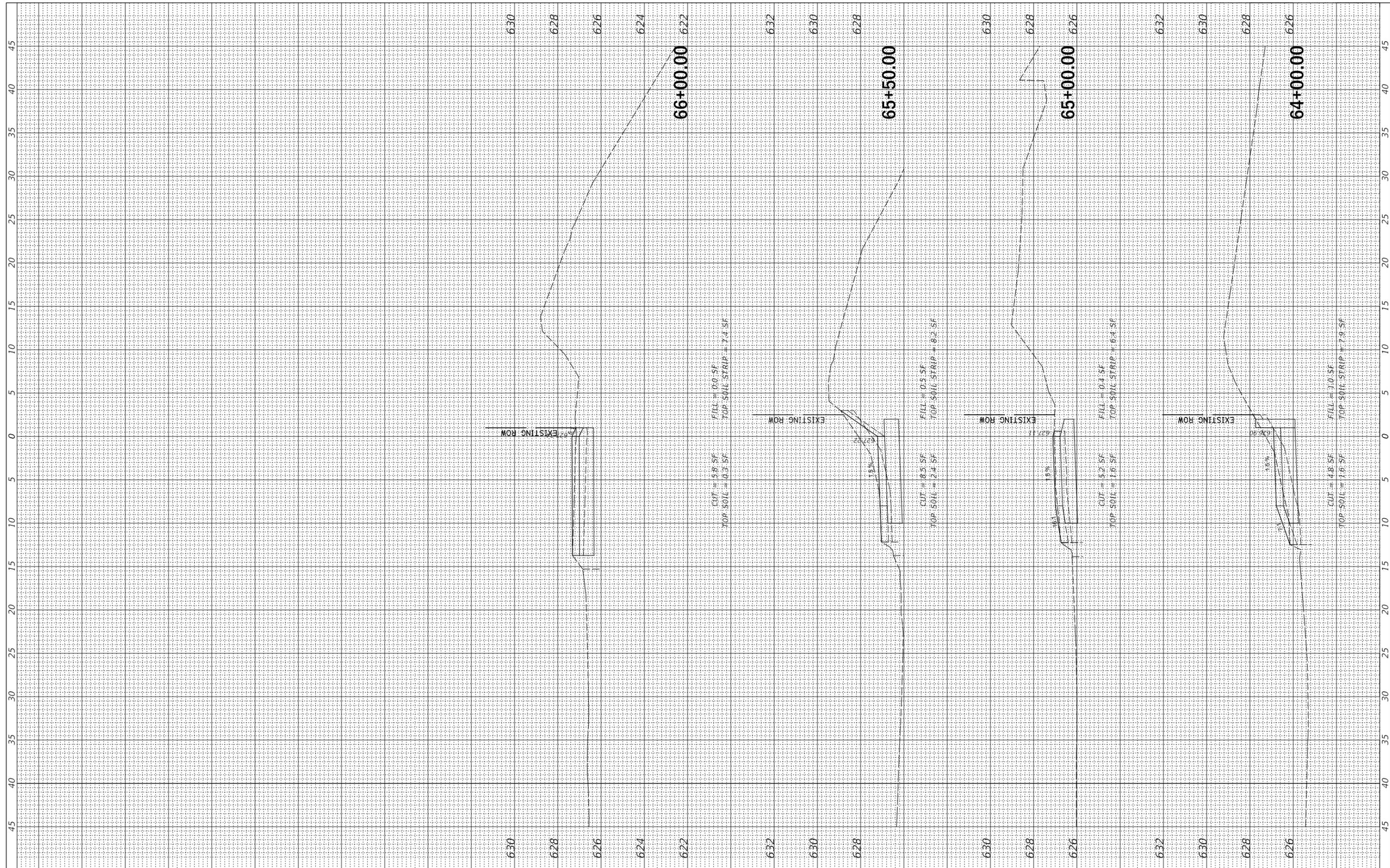
CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. 59+00.00 TO STA. 63+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	19-00108-01-BT	COOK	72	65
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H82	

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE
NOTE BOOK	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE
NOTE BOOK	TEMPLATE		
	AREAS CHECKED		



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DESIGNED - DOC
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

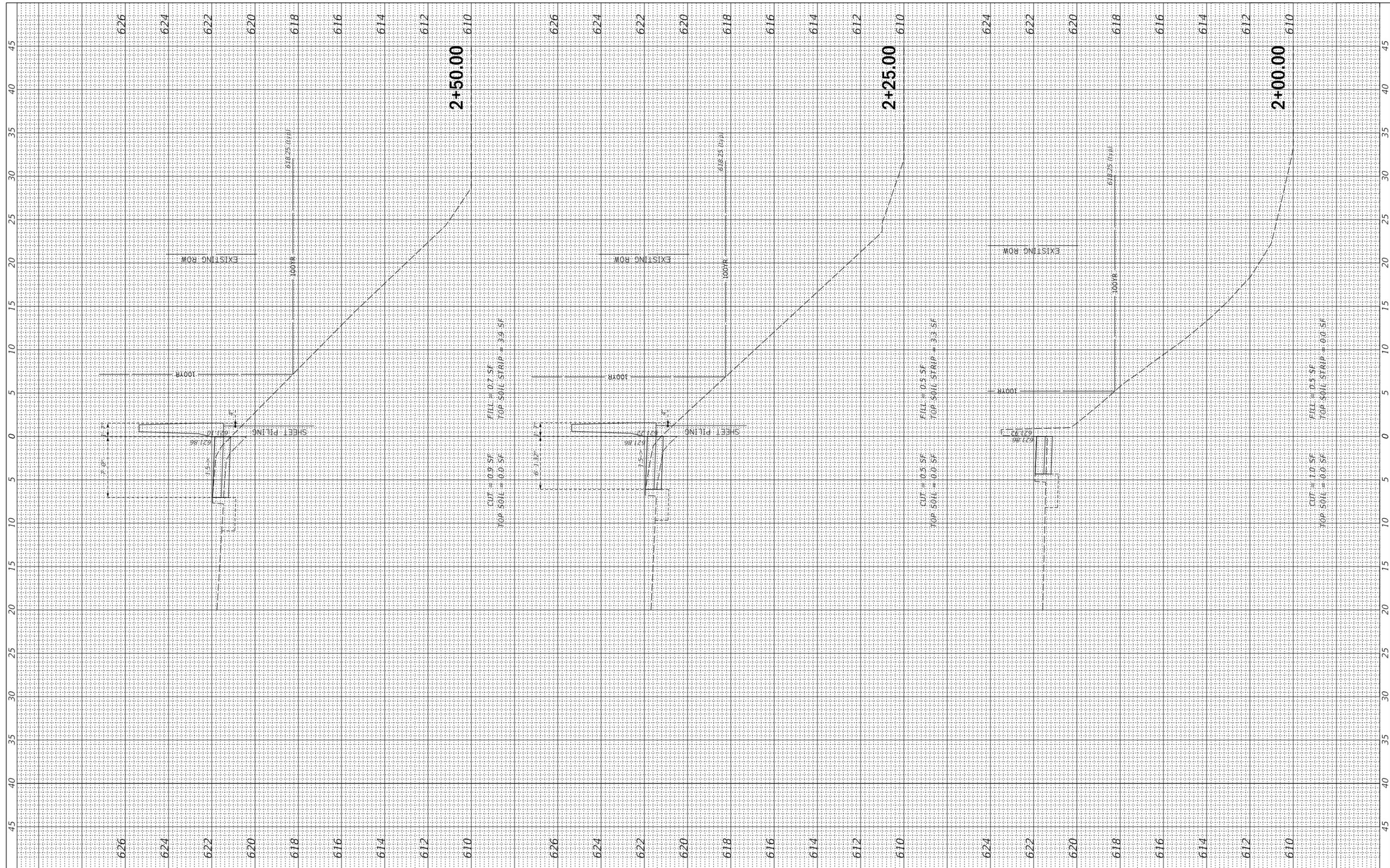
CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. 64+00.00 TO STA. 66+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	19-00108-01-BT	COOK	72	66
CONTRACT NO. 61H82			ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



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USER NAME = dconnell
 DESIGNED - DOC
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

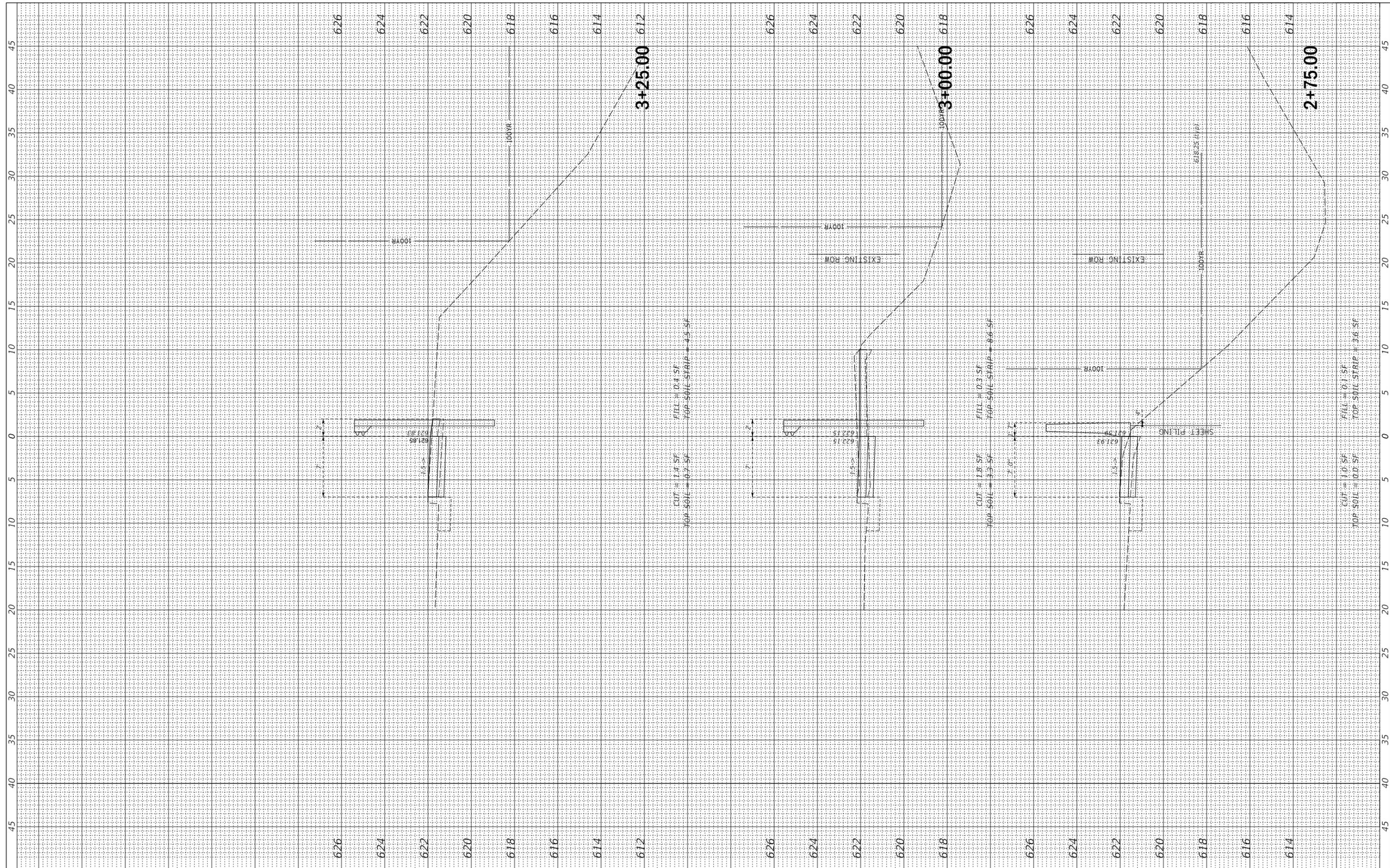
CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. 2+00.00 TO STA. 2+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	19-00108-01-BT	COOK	72	67
CONTRACT NO. 61H82				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



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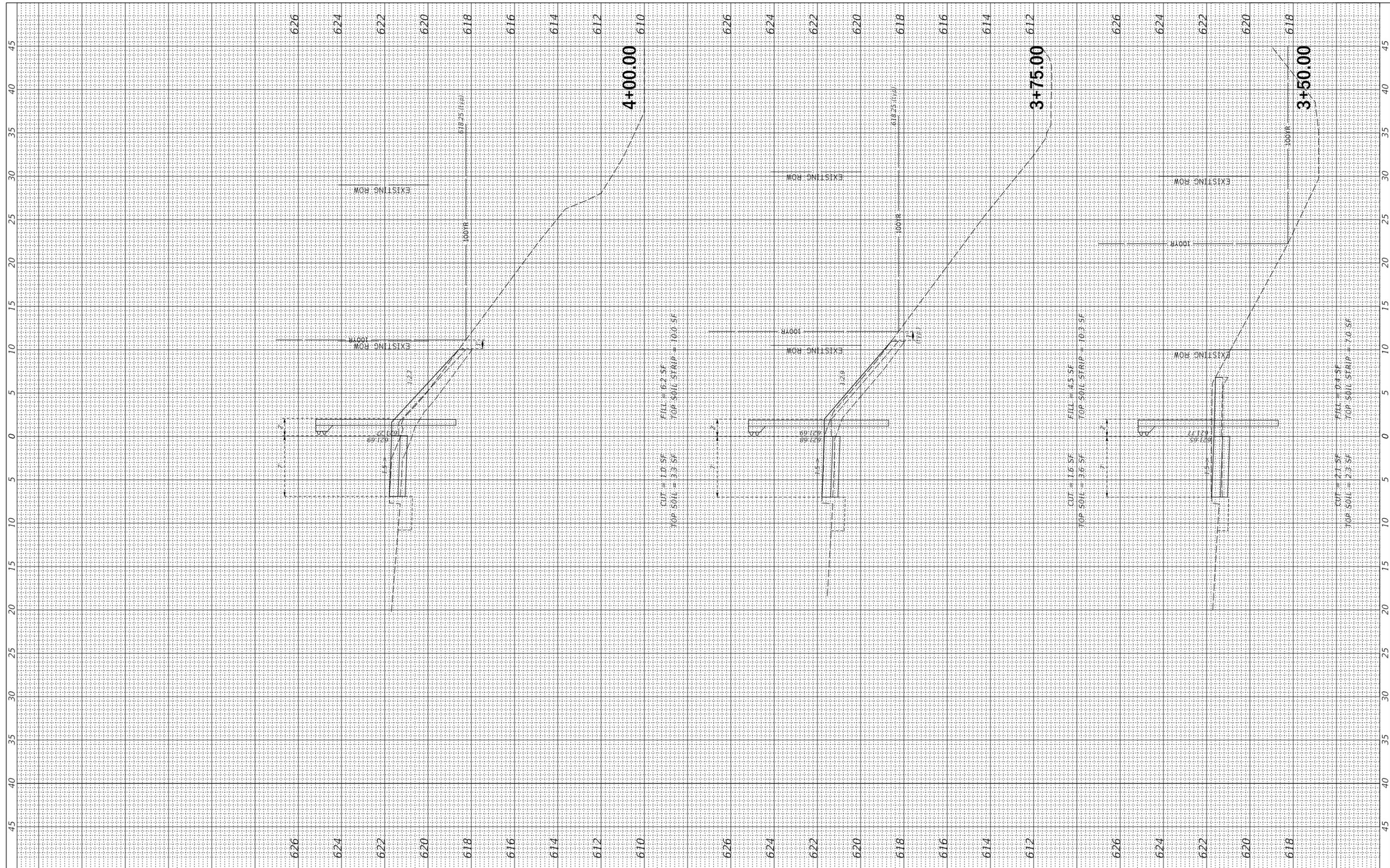
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS
 SCALE: SHEET OF SHEETS STA. 2+75.00 TO STA. 3+25.00

F.A.U. RTE. 1332	SECTION 19-00108-01-BT	COUNTY COOK	TOTAL SHEETS 72	SHEET NO. 68
CONTRACT NO. 61H82			ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

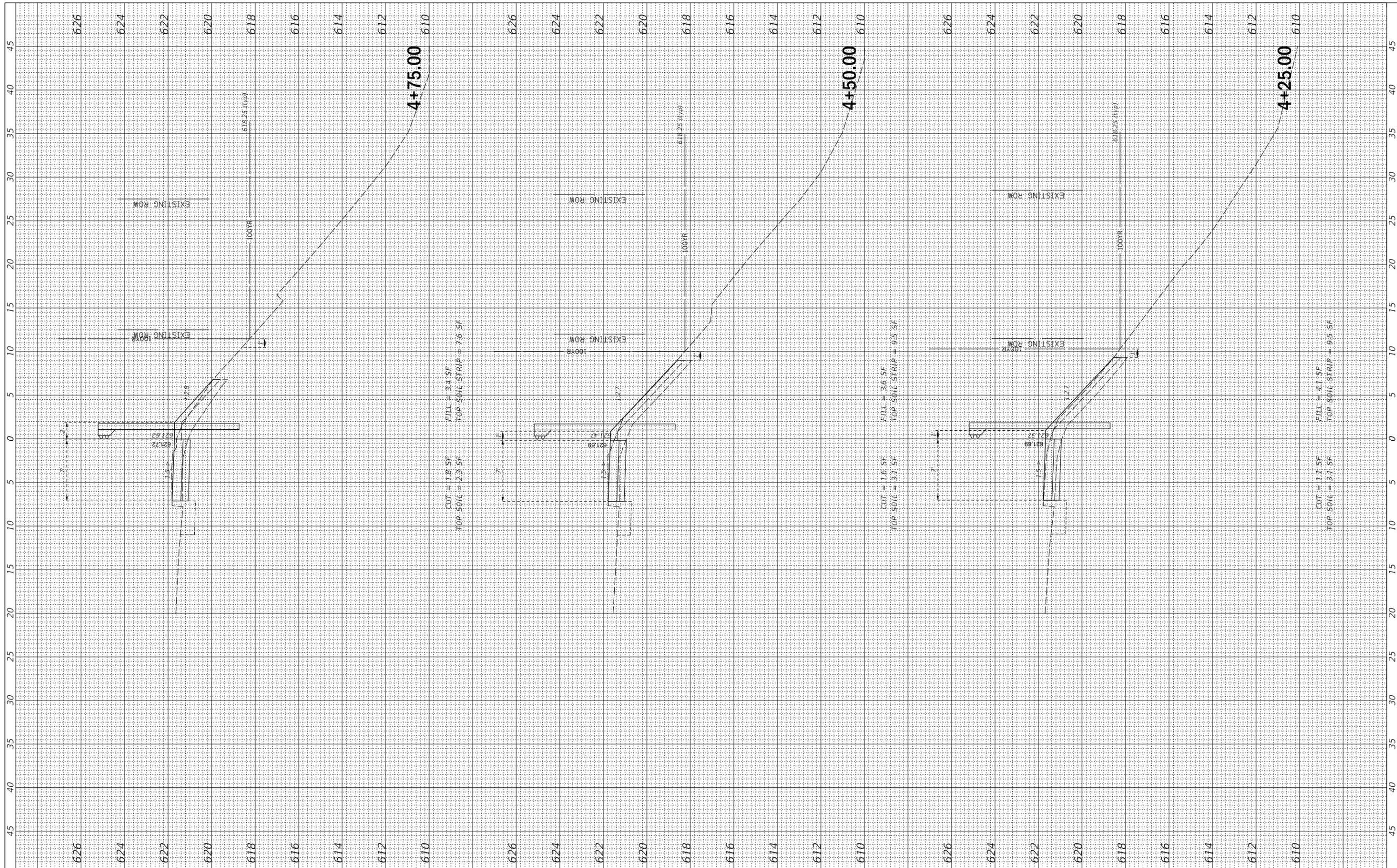
CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. 3+50.00 TO STA. 4+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	19-00108-01-BT	COOK	72	69
CONTRACT NO. 61H82				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



CUT = 1.8 SF
TOP SOIL STRIP = 7.6 SF
FILL = 3.4 SF

CUT = 1.6 SF
TOP SOIL STRIP = 9.5 SF
FILL = 3.6 SF

CUT = 1.3 SF
TOP SOIL STRIP = 9.5 SF
FILL = 4.1 SF

FILE NAME =
N:\MortonGrove\190025\Civil\XSEC_sidewalk_190025_01.SHT

USER NAME = dconnell
PLOT SCALE = 5'
PLOT DATE = 5/6/2022

DESIGNED - DOC
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CHECKED - LMF
DATE - 1-14-2022

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

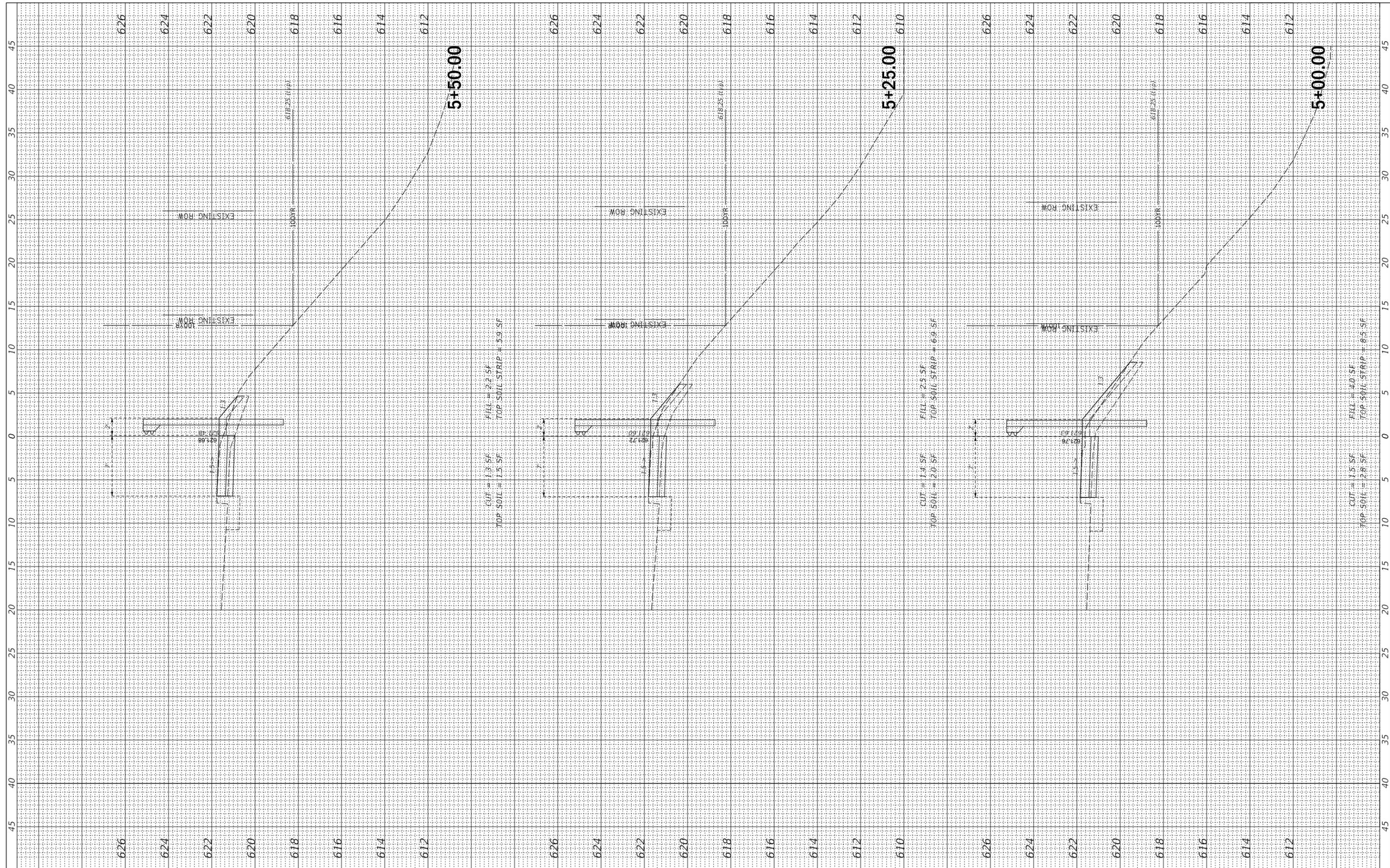
SCALE: SHEET OF SHEETS STA. 4+25.00 TO STA. 4+75.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	19-00108-01-BT	COOK	72	70
CONTRACT NO. 61H82				

ILLINOIS FED. AID PROJECT

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



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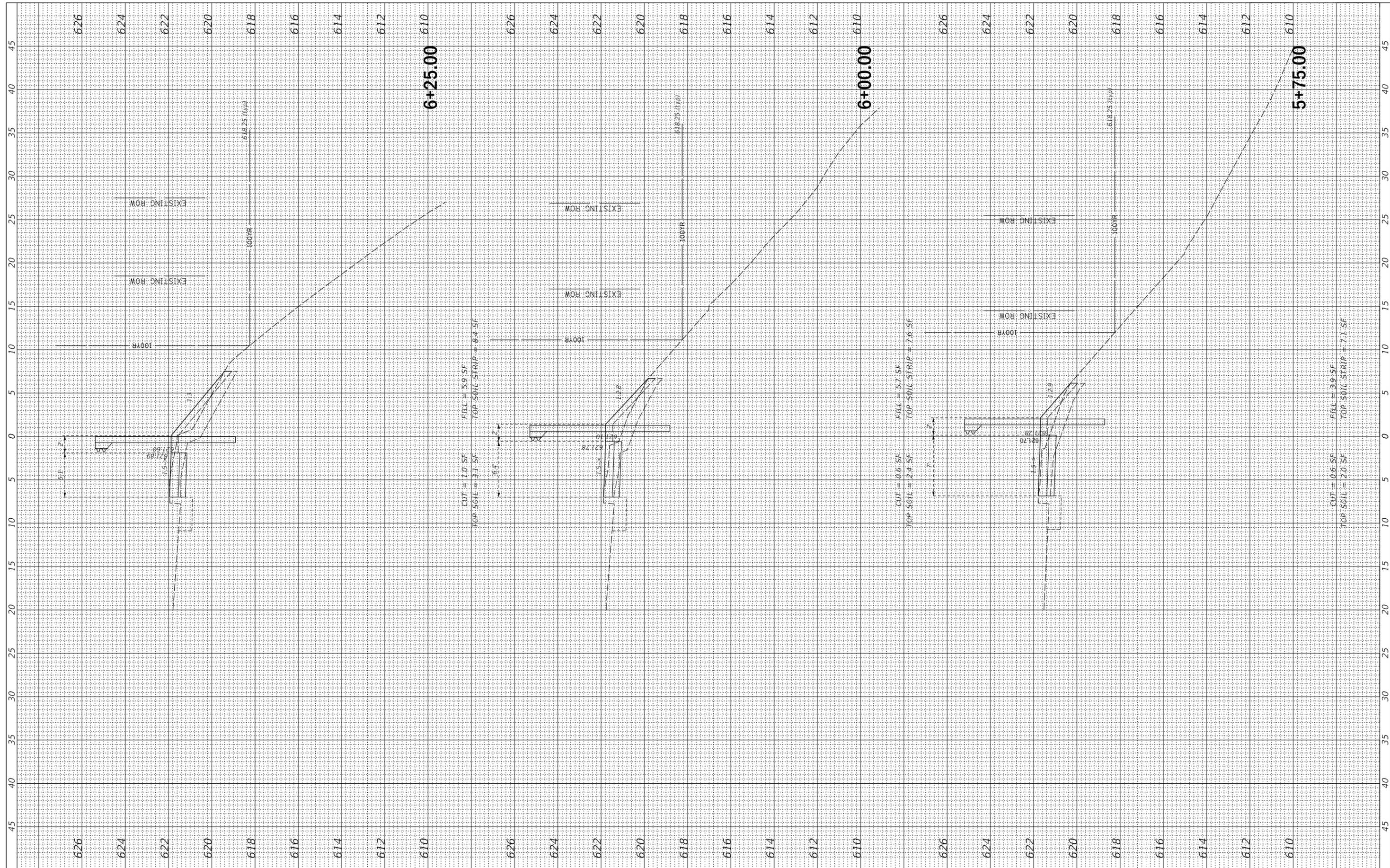
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS
 SCALE: SHEET OF SHEETS STA. 5+00.00 TO STA. 5+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	19-00108-01-BT	COOK	72	71
CONTRACT NO. 61H82			ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



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 CHECKED - LMF
 DATE - 1-14-2022

REVISED -
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 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. 5+75.00 TO STA. 6+25.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	19-00108-01-BT	COOK	72	72
CONTRACT NO. 61H82				
ILLINOIS FED. AID PROJECT				