01-16-2026 LETTING ITEM 005

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	1
	ILLINOIS	CONTRACT NO. 61L42		

FOR PROFESSIONAL SEALS & SIGNATURES, SEE SHEET NO. 2
FOR INDEX OF SHEETS, SEE SHEET NO. 3
FOR INDEX OF HIGHWAY STANDARDS, SEE SHEET NO. 3

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PLANS FOR PROPOSED FEDERAL AID HIGHWAY

F.A.U. 2706 ILLINOIS ROUTE 43 (WAUKEGAN RD) AND F.A.U. 4070 WESTLEIGH ROAD
SECTION: 13–00095–00–CH
PROJECT: QYFG(948)
INTERSECTION AND TRAFFIC SIGNAL IMPROVEMENTS
CITY OF LAKE FOREST
LAKE COUNTY
C–91–164–23

LOCATION OF SECTION INDICATED THUS: –▬–

HIGHWAY CLASSIFICATION

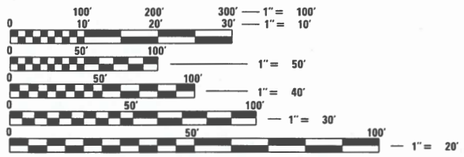
IL RTE 43 (WAUKEGAN RD) – MINOR ARTERIAL

WESTLEIGH ROAD – MINOR COLLECTOR

TRAFFIC DATA

IL RTE 43 (WAUKEGAN RD)
2009 ADT = 19,600
2030 ADT = 21,000
POSTED SPEED LIMIT: 45 MPH
DESIGN SPEED: 50 MPH

WESTLEIGH ROAD
2009 ADT = 1,600
2030 ADT = 2,000
POSTED SPEED LIMIT: 30 MPH
DESIGN SPEED: 35 MPH



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

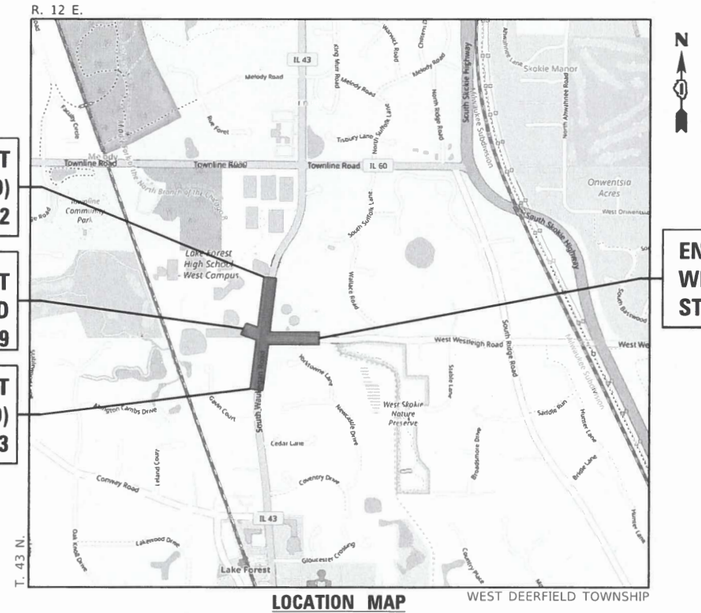
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS
1–800–892–0123
OR 811

END IMPROVEMENT
IL RTE 43 (WAUKEGAN RD)
STA. 432+14.82

BEGIN IMPROVEMENT
WESTLEIGH ROAD
STA. 7+43.99

BEGIN IMPROVEMENT
IL RTE 43 (WAUKEGAN RD)
STA. 416+58.53

END IMPROVEMENT
WESTLEIGH ROAD
STA. 17+55.67



LOCATION MAP

IL RTE 43 (WAUKEGAN ROAD)
GROSS AND NET LENGTH = 1,556.29 FT. = 0.295 MILE

WESTLEIGH ROAD
GROSS AND NET LENGTH = 1,011.68 FT. = 0.192 MILE

PROJECT TOTAL
GROSS LENGTH = 2,567.97 FT. = 0.486 MILE
NET LENGTH = 2,567.97 FT. = 0.486 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED Byron Rita 9/16/25
CITY OF LAKE FOREST, SUPERINTENDENT OF ENGINEERING

SIGNATURE APPROVING RIGHT-OF-ENTRY FOR INTERSECTION CONSTRUCTION IN LIEU OF CONSTRUCTION EASEMENT
COO
LAKE FOREST SCHOOL DISTRICT 67 & 115

PASSED NOV 3, 2025
DISTRICT ONE ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW
Nov 3rd 2025
REGIONAL ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

GHA GEWALT HAMILTON ASSOCIATES, INC.
625 Forest Edge Drive ▪ Vernon Hills, IL. 60061
TEL 847.478.9700 ▪ FAX 847.478.9701

CONTRACT NO. 61L42

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

SHEETS COVERED BY THIS SEAL:
ROADWAY PLANS
(SHEETS 1-69, 98-119)

KEVIN L. BELGRAVE
062-051750
LICENSED
PROFESSIONAL
ENGINEER
STATE OF ILLINOIS

SIGNED: Kevin L. Belgrave
KEVIN L. BELGRAVE, P.E., PTOE

DATE: OCTOBER 29, 2025
EXP. 11/30/2025

SHEETS COVERED BY THIS SEAL:
TRAFFIC SIGNALS PLANS
(SHEETS 70-88)

ROSS J. HASEMAN
062-066228
LICENSED
PROFESSIONAL
ENGINEER
STATE OF ILLINOIS

SIGNED:
ROSS J. HASEMAN, P.E., PTOE

DATE: OCTOBER 29, 2025
EXP. 11/30/2025

SHEETS COVERED BY THIS SEAL:
LIGHTING PLANS
(SHEETS 89-97)

ARTHUR J. PENN
062-060411
LICENSED
PROFESSIONAL
ENGINEER
STATE OF ILLINOIS

SIGNED:
ARTHUR J. PENN, P.E.

DATE: OCTOBER 29, 2025
EXP. 11/30/2025

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: Default
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	DRAWN - GHA	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - KLB	REVISED -	
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROFESSIONAL SEALS & SIGNATURES
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	2
		CONTRACT NO. 61L42		
		ILLINOIS FED. AID PROJECT		

INDEX OF SHEETS

DISTRICT 1 DETAILS

BD-08	FRAME AND LIDS ADJUSTMENT WITH MILLING
BD-32	BUTT JOINTS AND HMA TAPER DETAILS
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
TC-11	RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKING
TC-14	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
TC-16	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS
TC-22	ARTERIAL ROAD INFORMATION SIGN
TC-26	DRIVEWAY ENTRANCE SIGNING
TS-02	MAST ARM MOUNTED STREET NAME SIGNS
TS-05	STANDARD TRAFFIC SIGNAL DESIGN DETAILS

CITY OF LAKE FOREST DETAILS

5.01	FIRE HYDRANT
5.05	WATER MAIN BEDDING DETAIL
5.08	WATER MAIN THRUST BLOCKING DETAIL

COMMITMENTS

NONE

GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE PERFORMED ACCORDING TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1 2022, THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" ADOPTED JANUARY 1 2026, THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" LATEST EDITION, THE DETAILS IN THESE PLANS, THE CONTRACT DOCUMENTS, ALL APPLICABLE REQUIREMENTS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION, THE IEPA AND ORDINANCES OF AUTHORITIES HAVING JURISDICTION AND ALL ADDENDA THERETO.

2. EASEMENTS FOR THE EXISTING UTILITIES, BOTH PUBLIC AND PRIVATE AND UTILITIES WITHIN PUBLIC RIGHTS-OF-WAY ARE SHOWN ON THE PLANS ACCORDING TO AVAILABLE RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION IN THE FIELD OF THESE UTILITY LINES AND THEIR PROTECTION FROM DAMAGE DUE TO CONSTRUCTION OPERATIONS. IF EXISTING UTILITY LINES OF ANY NATURE ARE ENCOUNTERED WHICH CONFLICT WITH NEW CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.

3. WHENEVER, DURING CONSTRUCTION OPERATIONS, ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF GUTTERS, DRAINAGE STRUCTURES, DITCHES, ETC. SUCH THAT THE NATURAL FLOW LINE OF WATER IS OBSTRUCTED, THE LOOSE MATERIAL WILL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES AND FLOW LINES SHALL BE FREE FROM DIRT AND DEBRIS.

4. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AFFECTING THEIR WORK WITH THE ACTUAL CONDITIONS AT THE JOB SITE PRIOR TO ORDERING MATERIALS. IN ADDITION, THE CONTRACTOR MUST VERIFY THE LINE AND GRADES. IF THERE ARE ANY DISCREPANCIES FROM WHAT IS SHOWN ON THE CONSTRUCTION PLANS, STANDARD SPECIFICATIONS AND/OR SPECIAL DETAILS, THE CONTRACTOR SHALL SECURE WRITTEN INSTRUCTION FROM THE ENGINEER PRIOR TO PROCEEDING WITH ANY PART OF THE WORK AFFECTED BY OMISSION OR DISCREPANCIES. FAILING TO SECURE SUCH INSTRUCTION, THE CONTRACTOR WILL BE CONSIDERED TO HAVE PROCEEDED AT HIS/HER OWN RISK.

5. ALL PAVEMENT DIMENSIONS ARE SHOWN TO EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

6. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 72 HOURS PRIOR TO BEGINNING WORK.

7. IF DURING CONSTRUCTION THE CONTRACTOR ENCOUNTERS OR OTHERWISE BECOMES AWARE OF ANY SEWERS OR UNDERDRAINS OTHER THAN THOSE SHOWN ON THE PLANS, HE/SHE SHALL INFORM THE ENGINEER, WHO SHALL DIRECT THE WORK NECESSARY TO MAINTAIN OR REPLACE THE FACILITIES IN SERVICE AND TO PROTECT THEM FROM DAMAGE DURING CONSTRUCTION IF MAINTAINED. EXISTING FACILITIES TO BE MAINTAINED THAT ARE DAMAGED BECAUSE OF NON-COMPLIANCE WITH THIS PROVISION SHALL BE REPLACED.

8. THE CONTRACTOR SHALL PROVIDE TEMPORARY TOILET FACILITIES AND HAND SANITIZING STATIONS FOR THE USE OF ALL CONTRACTORS PERSONNEL EMPLOYED ON THE WORK SITE. THE FACILITIES SHALL BE MAINTAINED IN PROPER SANITARY CONDITION THROUGHOUT THE PROJECT. THE LOCATION OF THE TEMPORARY FACILITIES SHALL BE APPROVED BY THE ENGINEER.

9. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH THE NPDES PERMIT AND SWPPP MANUAL. IF NO NPDES PERMIT OR SWPPP MANUAL IS NEEDED FOR THE PROJECT THE CONTRACTOR SHALL PERFORM SOIL EROSION SEDIMENT CONTROL BEST PRACTICES OR AS DIRECTED BY THE OWNER TO PREVENT ILLICIT DISCHARGES FROM THE SITE.

10. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR KALPANA KANNAN-HOSADURGA VIA EMAIL AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

11. TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS, THE ENGINEER SHALL CONTACT THE AREA TRAFFIC FIELD ENGINEER, BRANDY KENNEDY, VIA EMAIL AT BRANDY.KENNEDY@ILLINOIS.GOV

12. THE AGGREGATE GRADATION FOR THE LOWER 9 INCHES OF AGGREGATE SUBGRADE IMPROVEMENT 12" SHALL BE CS 1 OR RR 1.

13. THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.

14. 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 ITEMS 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.

15. ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENTS IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE.

16. BACKFILLING STORM SEWER CONSTRUCTED UNDER THE ROADWAY SPECIFIED UNDER ART. 550.07(b, c) OF THE SSRBC WILL NOT BE ALLOWED.

17. PIPE UNDERDRAINS SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE SSRBC AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED A MINIMUM 6" BELOW THE AGGREGATE SUBGRADE IMPROVEMENT LAYER. THE COST OF MAKING PIPE UNDERDRAINS CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF PIPE UNDERDRAINS.

18. CONTRACTOR SHALL TAKE PRECAUTION BY PRESERVING EXISTING TREES WITHIN THE RIGHT OF WAY. IF ANY DAMAGE OCCURS, TREES SHALL BE REPLACED IN KIND PER ARTICLE 201.07. REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL REQUIREMENTS STATED HEREIN.

19. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

UTILITY NOTES

1. UNDERGROUND WORK SHALL INCLUDE TRENCHING, DISPOSAL OF EXCESS MATERIAL, DEWATERING, INSTALLATION OF PIPE, CASTINGS, STRUCTURES, BACKFILLING OF TRENCHES AND COMPACTION, AND TESTING AS SHOWN ON THE CONSTRUCTION PLANS. ALL SEWER SHALL BE INSTALLED USING A LASER AND BEGIN AT THE DOWNSTREAM END.

2. MACHINE CORE ALL CONNECTIONS TO EXISTING STRUCTURES USING A CORE DRILL. HAMMERING OR SAWING OF STRUCTURES WILL NOT BE ALLOWED.

3. ALL CONNECTIONS TO EXISTING OR DISSIMILAR STORM/SANITARY LINES SHALL BE DONE WITH STAINLESS STEEL NON-SHEAR COUPLINGS.

4. STONE BEDDING AND BACKFILL SHALL BE OMITTED FOR A DISTANCE OF 15 FEET UP AND DOWNSTREAM OF SEWERS DRAINING TO OR FROM PONDS OR STREAMS. THE REPLACED BEDDING SHALL BE SILTY CLAY SOIL MECHANICALLY COMPACTED TO 90% MODIFIED PROCTOR DENSITY. THE USE OF PERMEABLE SOILS WILL NOT BE PERMITTED.

5. ALL WATER MAIN SHALL HAVE MECHANICAL RESTRAINED TYPE JOINTS AT ALL CONNECTIONS AND FITTINGS. IN ADDITION, ALL HARDWARE SHALL BE STAINLESS STEEL.

6. THRUST BLOCKING SHALL BE PROVIDED ON WATER MAIN AT ALL BENDS, TEES, ELBOWS, ETC. INDIVIDUAL INSPECTION FOR ALL THRUST BLOCKING IS REQUIRED. THRUST BLOCKING SHALL BE POURED IN PLACE CONCRETE. PRECAST BLOCKS MAY BE USED AS APPROVED BY THE ENGINEER IN THE FIELD.

HIGHWAY STANDARDS

000001-09	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT
001006	DECIMAL OF INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-11	PAVEMENT JOINTS
424001-12	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424011-06	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
442201-04	CLASS C AND D PATCHES
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
601001-05	PIPE UNDERDRAINS
602001-02	CATCH BASIN TYPE A
602301-04	INLET TYPE A
602306-03	INLET TYPE B
602401-07	PRECAST MANHOLE, TYPE A, 4' DIAMETER
602402-03	PRECAST MANHOLE, TYPE A, 5' DIAMETER
602406-11	PRECAST MANHOLE, TYPE A, 6' DIAMETER
602601-06	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-05	FRAME AND LIDS TYPE 1
604036-03	GRATE, TYPE 8
604051-04	FRAME AND GRATE TYPE 11
604091-05	FRAME AND GRATE TYPE 24
606001-09	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701001-02	OFF RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5M) AWAY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS > 45 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701606-10	URBAN SINGLE LAND CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-11	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
728001-01	TELESCOPING STEEL SIGN SUPPORT
780001-05	TYPICAL PAVEMENT MARKINGS
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
814001-03	HANDHOLES
814006-03	DOUBLE HANDHOLES
836001-05	LIGHT POLE FOUNDATION
838001-01	BREAKAWAY DEVICES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
877001-08	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
878001-11	CONCRETE FOUNDATION DETAILS
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

SUMMARY OF QUANTITIES

#	*	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FEDERAL / 20% LOCAL ROADWAY 0004	CONSTRUCTION CODE 80% FEDERAL / 20% LOCAL TRAFFIC SIGNALS 0021	CONSTRUCTION CODE 80% FEDERAL / 20% LOCAL LIGHTING 0021	CONSTRUCTION CODE 100% LOCAL ROADWAY 0004
	*	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	89	89			
	*	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	32	32			
	*	20101100	TREE TRUNK PROTECTION	EACH	18	18			
	*	20101200	TREE ROOT PRUNING	EACH	18	18			
		20200100	EARTH EXCAVATION	CU YD	1,842	1,766			76
		20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	1,212	1,197			15
		20800150	TRENCH BACKFILL	CU YD	134	116			18
		21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	5,974	5,929			45
		21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	1,165	1,129			36
	*	25000110	SEEDING, CLASS 1A	ACRE	1.50	1.50			
	*	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	135	133			2
	*	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	135	133			2
	*	25100630	EROSION CONTROL BLANKET	SQ YD	6,851	6,750			101
	*	25200200	SUPPLEMENTAL WATERING	UNIT	1	1			
		28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	142	140			2
		28000400	PERIMETER EROSION BARRIER	FOOT	3,678	3,524			154

* SPECIALTY ITEM # CONSTRUCTION CODE 0042

GEWALT HAMILTON ASSOCIATES, INC.

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PLOT SCALE = 2.0000 ' / in.	CHECKED - KLB	REVISED -
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD
SCALE: N.T.S. | SHEET 1 OF 14 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2705/4070	13-00095-00-CH	LAKE	119	4
		CONTRACT NO. 61L42		
	ILLINOIS FED. AID PROJECT			

SUMMARY OF QUANTITIES

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		28000510	INLET FILTERS	EACH	36	35			1
		28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	6,851	6,750			101
		30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	1,212	1,197			15
		30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	3,309	3,309			
		35101598	AGGREGATE BASE COURSE, TYPE B 3"	SQ YD	2,338	2,338			
		35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	588	560			28
		35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	1,540	1,283			257
		35400200	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 7"	SQ YD	226	143			83
		35400250	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING, 7.5"	SQ YD	583	583			
		35501312	HOT-MIX ASPHALT BASE COURSE, 7"	SQ YD	807	708			99
		35501314	HOT-MIX ASPHALT BASE COURSE, 7 1/2"	SQ YD	1,470	1,470			
		40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	5,123	4,713			410
		40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	8,821	8,389			432
		40600370	LONGITUDINAL JOINT SEALANT	FOOT	9,805	9,480			325
		40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	20	19			1
		40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	82	60			22

* SPECIALTY ITEM # CONSTRUCTION CODE 0042

GEWALT HAMILTON ASSOCIATES, INC.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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		40602985	HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70	TON	603	603			
		40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	175	152			23
		40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	570	535			35
		40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	408	336			72
		40605026	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80	TON	863	863			
		42000501	PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)	SQ YD	84	84			
		42001300	PROTECTIVE COAT	SQ YD	84	84			
		42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	15	15			
		42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	3,650	3,572			78
		42400410	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SQ FT	167	106			61
		44000100	PAVEMENT REMOVAL	SQ YD	361	316			45
		44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	351	351			
		44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	4,922	4,784			138
		44000600	SIDEWALK REMOVAL	SQ FT	3,549	3,408			141
		44003100	MEDIAN REMOVAL	SQ FT	436	436			
		44201713	CLASS D PATCHES, TYPE I, 6 INCH	SQ YD	13	9			4

*SPECIALTY ITEM #CONSTRUCTION CODE 0042

GEWALT HAMILTON ASSOCIATES, INC.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD
SCALE: N.T.S. | SHEET 3 OF 14 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	6
		CONTRACT NO. 61L42		
	ILLINOIS FED. AID PROJECT			

SUMMARY OF QUANTITIES

#	*	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FEDERAL / 20% LOCAL ROADWAY 0004	CONSTRUCTION CODE 80% FEDERAL / 20% LOCAL TRAFFIC SIGNALS 0021	CONSTRUCTION CODE 80% FEDERAL / 20% LOCAL LIGHTING 0021	CONSTRUCTION CODE 100% LOCAL ROADWAY 0004
		44201717	CLASS D PATCHES, TYPE II, 6 INCH	SQ YD	27	21			6
		44201721	CLASS D PATCHES, TYPE III, 6 INCH	SQ YD	58	45			13
		44201723	CLASS D PATCHES, TYPE IV, 6 INCH	SQ YD	39	39			
		44201761	CLASS D PATCHES, TYPE I, 10 INCH	SQ YD	34	34			
		44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	72	72			
		44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	176	176			
		44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	101	101			
		50105220	PIPE CULVERT REMOVAL	FOOT	144	144			
		54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	1	1			
		550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	35	35			
		550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	33	33			
		55100300	STORM SEWER REMOVAL 8"	FOOT	33				33
		55100400	STORM SEWER REMOVAL 10"	FOOT	3	3			
		55100500	STORM SEWER REMOVAL 12"	FOOT	296	296			
		55100900	STORM SEWER REMOVAL 18"	FOOT	66	66			
	*	56103100	DUCTILE IRON WATER MAIN 8"	FOOT	10				10

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD
SCALE: N.T.S. | SHEET 4 OF 14 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	7
		CONTRACT NO. 61L42		
	ILLINOIS FED. AID PROJECT			

SUMMARY OF QUANTITIES

#	*	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FEDERAL / 20% LOCAL ROADWAY 0004	CONSTRUCTION CODE 80% FEDERAL / 20% LOCAL TRAFFIC SIGNALS 0021	CONSTRUCTION CODE 80% FEDERAL / 20% LOCAL LIGHTING 0021	CONSTRUCTION CODE 100% LOCAL ROADWAY 0004
	*	56105000	WATER VALVES 8"	EACH	1				1
	*	56400300	FIRE HYDRANTS TO BE ADJUSTED	EACH	1	1			
	*	56400500	FIRE HYDRANTS TO BE REMOVED	EACH	2	2			
		60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	4,718	4,392			326
		60200205	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2			
		60201105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	1	1			
		60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	6	6			
		60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	4	4			
		60219000	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	1	1			
		60219300	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	1	1			
		60219540	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	1	1			
		60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1			
		60234200	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	1	1			
		60235300	INLETS, TYPE A, TYPE 1 FRAME, CLOSED LID	EACH	1	1			
		60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	6	6			
		60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	2	1			1

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD
SCALE: N.T.S. | SHEET 5 OF 14 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	8
		CONTRACT NO. 61L42		
	ILLINOIS FED. AID PROJECT			

SUMMARY OF QUANTITIES

#	*	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FEDERAL / 20% LOCAL ROADWAY 0004	CONSTRUCTION CODE 80% FEDERAL / 20% LOCAL TRAFFIC SIGNALS 0021	CONSTRUCTION CODE 80% FEDERAL / 20% LOCAL LIGHTING 0021	CONSTRUCTION CODE 100% LOCAL ROADWAY 0004
		60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	8	8			
		60240210	INLETS, TYPE B, TYPE 1 FRAME, OPEN LID	EACH	1	1			
		60240328	INLETS, TYPE B, TYPE 24 FRAME AND GRATE	EACH	1	1			
		60255800	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1	1			
		60256940	MANHOLES TO BE ADJUSTED WITH NEW TYPE 24 FRAME AND GRATE	EACH	1	1			
		60258200	MANHOLES TO BE RECONSTRUCTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1	1			
		60266600	VALVE BOXES TO BE ADJUSTED	EACH	2	2			
		60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	1,771	1,445			326
		60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	2,947	2,947			
	*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	1,000	1,000			
	*	66900530	SOIL DISPOSAL ANALYSIS	EACH	12	12			
	*	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	12	12			
		67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6			
		67100100	MOBILIZATION	L SUM	1	1			

* SPECIALTY ITEM # CONSTRUCTION CODE 0042

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD
SCALE: N.T.S. | SHEET 6 OF 14 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	9
		CONTRACT NO. 61L42		
	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

#	*	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FEDERAL / 20% LOCAL ROADWAY 0004	CONSTRUCTION CODE 80% FEDERAL / 20% LOCAL TRAFFIC SIGNALS 0021	CONSTRUCTION CODE 80% FEDERAL / 20% LOCAL LIGHTING 0021	CONSTRUCTION CODE 100% LOCAL ROADWAY 0004
		70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	70	70			
		70107025	CHANGEABLE MESSAGE SIGN	CAL DA	126	126			
		70300100	SHORT TERM PAVEMENT MARKING	FOOT	1,873	1,842			31
		70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	4,048	3,929			119
		70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	728	584			144
		70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	30,952	29,652			1,300
		70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	4,520	4,164			356
		70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	996	996			
		70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	596	596			
		70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	10,272	9,946			326
	*	72000100	SIGN PANEL - TYPE 1	SQ FT	65	48	17		
	*	72000200	SIGN PANEL - TYPE 2	SQ FT	30		30		
		72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	37	37			
	*	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	175	175			
	*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	182	146			36
	*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	6,735	6,410			325

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GEWALT HAMILTON ASSOCIATES, INC.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD
SCALE: N.T.S. | SHEET 7 OF 14 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	10
		CONTRACT NO. 61L42		
	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

#	*	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FEDERAL / 20% LOCAL ROADWAY 0004	CONSTRUCTION CODE 80% FEDERAL / 20% LOCAL TRAFFIC SIGNALS 0021	CONSTRUCTION CODE 80% FEDERAL / 20% LOCAL LIGHTING 0021	CONSTRUCTION CODE 100% LOCAL ROADWAY 0004
	*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1,130	1,041			89
	*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	215	215			
	*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	149	149			
	*	78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	1,003	1,003			
	*	78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	34	34			
	*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	233	217			16
		78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	137	137			
	*	78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	271	271			
	*	80400100	ELECTRIC SERVICE INSTALLATION	EACH	1			1	
	*	80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1			1	
	*	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	2,037		1,587	450	
	*	81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	163		163		
	*	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	462		462		
	*	81400100	HANDHOLE	EACH	4		4		
	*	81400200	HEAVY-DUTY HANDHOLE	EACH	2		2		
	*	81400300	DOUBLE HANDHOLE	EACH	2		2		

* SPECIALTY ITEM # CONSTRUCTION CODE 0042

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD
SCALE: N.T.S. | SHEET 8 OF 14 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	11
		CONTRACT NO. 61L42		
	ILLINOIS FED. AID PROJECT			

SUMMARY OF QUANTITIES

#	*	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FEDERAL / 20% LOCAL ROADWAY 0004	CONSTRUCTION CODE 80% FEDERAL / 20% LOCAL TRAFFIC SIGNALS 0021	CONSTRUCTION CODE 80% FEDERAL / 20% LOCAL LIGHTING 0021	CONSTRUCTION CODE 100% LOCAL ROADWAY 0004
	*	81400730	HANDHOLE, COMPOSITE CONCRETE	EACH	1			1	
	*	81603096	UNIT DUCT, 600V, 4-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	2,317			2,317	
	*	81603111	UNIT DUCT, 600V, 2-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	900			900	
	*	81702400	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 2	FOOT	250			250	
	*	84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	1			1	
	*	84200804	REMOVAL OF POLE FOUNDATION	EACH	1			1	
	*	86400100	TRANSCEIVER - FIBER OPTIC	EACH	1		1		
	*	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	916		916		
	*	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,281		1,281		
	*	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2,343		2,343		
	*	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,675		1,675		
	*	87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1,930		1,930		
	*	87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	48		48		
	*	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	604		604		
	*	87501200	TRAFFIC SIGNAL POST, 16 FT.	EACH	4		4		
	*	87700270	STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	1		1		

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD
SCALE: N.T.S. | SHEET 9 OF 14 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	12
		CONTRACT NO. 61L42		
	ILLINOIS FED. AID PROJECT			

SUMMARY OF QUANTITIES

#	*	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FEDERAL / 20% LOCAL ROADWAY 0004	CONSTRUCTION CODE 80% FEDERAL / 20% LOCAL TRAFFIC SIGNALS 0021	CONSTRUCTION CODE 80% FEDERAL / 20% LOCAL LIGHTING 0021	CONSTRUCTION CODE 100% LOCAL ROADWAY 0004
	*	87700280	STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	2		2		
	*	87700310	STEEL MAST ARM ASSEMBLY AND POLE, 54 FT.	EACH	1		1		
	*	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	20		20		
	*	87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4		4		
	*	87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	54		54		
	*	87900200	DRILL EXISTING HANDHOLE	EACH	2		2		
	*	88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	7		7		
	*	88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4		4		
	*	88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4		4		
	*	88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4		4		
	*	88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4		4		
	*	88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	11		11		
	*	88500100	INDUCTIVE LOOP DETECTOR	EACH	6		6		
	*	88600100	DETECTOR LOOP, TYPE I	FOOT	380		380		
	*	89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1		1		
	*	89501400	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	2		2		

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD
SCALE: N.T.S. | SHEET 10 OF 14 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	13
		CONTRACT NO. 61L42		
	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

#	*	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FEDERAL / 20% LOCAL ROADWAY 0004	CONSTRUCTION CODE 80% FEDERAL / 20% LOCAL TRAFFIC SIGNALS 0021	CONSTRUCTION CODE 80% FEDERAL / 20% LOCAL LIGHTING 0021	CONSTRUCTION CODE 100% LOCAL ROADWAY 0004
	*	89501410	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1		1		
	*	89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	3,114		3,114		
	*	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1		1		
	*	89502380	REMOVE EXISTING HANDHOLE	EACH	9		9		
	*	89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	1		1		
	*	89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	8		8		
		A2006516	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	4	4			
		B2004712	TREE, MALUS ROYAL RAINDROPS (ROYAL RAINDROPS CRABAPPLE), 2 1/2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	7	7			
		B2006320	TREE, SYRINGA RETICULATA IVORY SILK (IVORY SILK JAPANESE TREE LILAC), 2-1/2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	5	5			
	*	X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	338		338		
		X0327301	RELOCATE EXISTING MAILBOX	EACH	3	2			1
		X0327611	REMOVE AND REINSTALL BRICK PAVER	SQ FT	424	424			
	*	X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1		1		
	*	X2010404	STUMP REMOVAL	EACH	7	7			
	*	X2010510	CLEARING AND GRUBBING	L SUM	1	1			
		X2600011	REMOVE AND RELOCATE SIGN PANEL	EACH	12	12			

* SPECIALTY ITEM # CONSTRUCTION CODE 0042

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PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD
SCALE: N.T.S. | SHEET 11 OF 14 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	14
		CONTRACT NO. 61L42		
	ILLINOIS FED. AID PROJECT			

SUMMARY OF QUANTITIES

#	*	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FEDERAL / 20% LOCAL ROADWAY 0004	CONSTRUCTION CODE 80% FEDERAL / 20% LOCAL TRAFFIC SIGNALS 0021	CONSTRUCTION CODE 80% FEDERAL / 20% LOCAL LIGHTING 0021	CONSTRUCTION CODE 100% LOCAL ROADWAY 0004
		X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	4	3			1
		X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	1	1			
		X4023000	TEMPORARY ACCESS (ROAD)	EACH	5	5			
		X4060290	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"	SQ YD	178	165			13
		X4060294	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"	SQ YD	44	44			
		X4240114	TEMPORARY SIDEWALK	SQ FT	325	325			
		X4240800	DETECTABLE WARNINGS (SPECIAL)	SQ FT	87	87			
		X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	9,342	8,884			458
		X5510011	PROPOSED STORM SEWER CONNECTION TO EXISTING MANHOLE	EACH	3	3			
	*	X5610708	WATER MAIN REMOVAL, 8"	FOOT	10				10
	*	X5610804	NON-PRESSURE CONNECTION TO EXISTING WATER MAIN	EACH	2				2
	*	X5630405	REMOVE EXISTING WATER VALVE	EACH	1				1
	*	X5640150	FIRE HYDRANT ASSEMBLY COMPLETE	EACH	2	2			
	*	X6026623	VALVE BOX	EACH	1				1
	*	X6026632	VALVE BOXES TO BE REMOVED	EACH	1				1
		X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	4	4			
		X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1			

* SPECIALTY ITEM # CONSTRUCTION CODE 0042

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: Default
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PLOT SCALE = 2.0000 ' / in.	CHECKED - KLB	REVISED -
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD
SCALE: N.T.S. | SHEET 12 OF 14 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	15
		CONTRACT NO. 61L42		
	ILLINOIS FED. AID PROJECT			

SUMMARY OF QUANTITIES

#	*	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FEDERAL / 20% LOCAL ROADWAY 0004	CONSTRUCTION CODE 80% FEDERAL / 20% LOCAL TRAFFIC SIGNALS 0021	CONSTRUCTION CODE 80% FEDERAL / 20% LOCAL LIGHTING 0021	CONSTRUCTION CODE 100% LOCAL ROADWAY 0004
		X7200061	TEMPORARY INFORMATION SIGNING	SQ FT	90	90			
	*	X8000003	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	6			6	
	*	X8212031	LUMINAIRE, TYPE A (SPECIAL)	EACH	6			6	
	*	X8212032	LUMINAIRE, TYPE B (SPECIAL)	EACH	13			13	
	*	X8212033	LUMINAIRE, TYPE C (SPECIAL)	EACH	15			15	
	*	X8250505	LIGHTING CONTROLLER (SPECIAL)	EACH	1			1	
	*	X8250510	LIGHTING CONTROLLER FOUNDATION	EACH	1			1	
	*	X8300001	LIGHT POLE (SPECIAL)	EACH	19			19	
	*	X8360215	LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	12			12	
	*	X8360310	LIGHT POLE FOUNDATION, 30" DIAMETER, SPECIAL	FOOT	171			171	
	*	X8570227	FULL-ACTUATED CONTROLLER AND TYPE IV STRETCHED CABINET (SPECIAL)	EACH	1		1		
	*	X8620250	UNINTERRUPTABLE POWER SUPPLY AND CABINET (SPECIAL)	EACH	1		1		
	*	X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4		4		
	*	X8809005	LED SIGNAL FACE, LENS COVER	EACH	19		19		
	*	X8891009	VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	2		2		
	*	X8900104	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1		1		

* SPECIALTY ITEM # CONSTRUCTION CODE 0042

GEWALT HAMILTON ASSOCIATES, INC.

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PLOT SCALE = 2.0000 ' / in.	CHECKED - KLB	REVISED -	
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD
SCALE: N.T.S. | SHEET 13 OF 14 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	16
		CONTRACT NO. 61L42		
	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

#	*	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FEDERAL / 20% LOCAL ROADWAY 0004	CONSTRUCTION CODE 80% FEDERAL / 20% LOCAL TRAFFIC SIGNALS 0021	CONSTRUCTION CODE 80% FEDERAL / 20% LOCAL LIGHTING 0021	CONSTRUCTION CODE 100% LOCAL ROADWAY 0004
		XX003668	PRECONSTRUCTION VIDEO TAPING	L SUM	1				1
		Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1			
		Z0017400	DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED	EACH	15	15			
		Z0018700	DRAINAGE STRUCTURE TO BE REMOVED	EACH	35	34			1
	*	Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	19			19	
	*	Z0033046	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1		1		
		Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	162	162			
		Z0056612	STORM SEWER (WATER MAIN REQUIREMENTS) 18 INCH	FOOT	73	73			
		Z0056646	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 10"	FOOT	119	119			
		Z0056648	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 12"	FOOT	303	303			
		Z0056650	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 15"	FOOT	38	38			
#		Z0076600	TRAINEES	HOUR	500				
#		Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500				

* SPECIALTY ITEM # CONSTRUCTION CODE 0042

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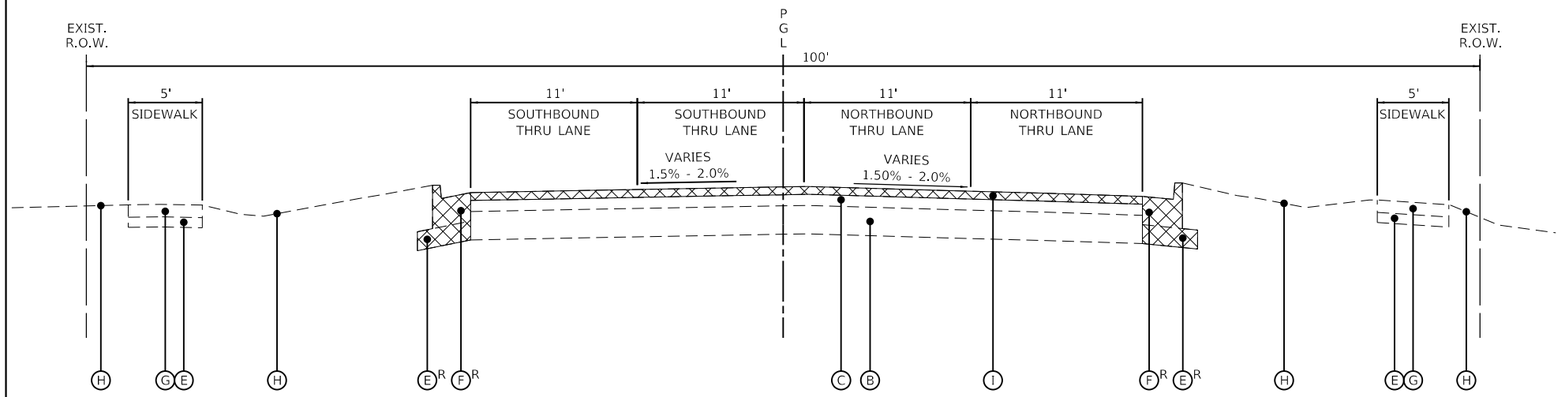
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

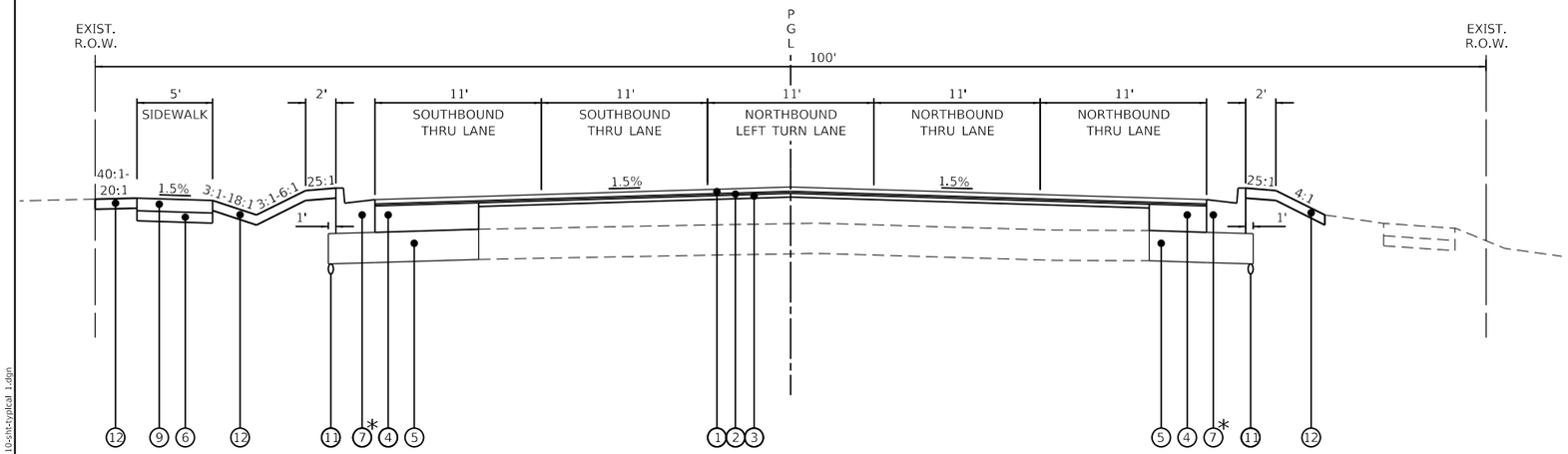
SUMMARY OF QUANTITIES
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD
SCALE: N.T.S. | SHEET 14 OF 14 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	17
		CONTRACT NO. 61L42		
	ILLINOIS	FED. AID PROJECT		



IL ROUTE 43 (WAUKEGAN ROAD)
EXISTING TYPICAL SECTION

STA. 416+58 TO STA. 424+40



IL ROUTE 43 (WAUKEGAN ROAD)
PROPOSED TYPICAL SECTION

STA. 416+58 TO STA. 424+40

NOTE:
PROPOSED SIDEWALK FROM
STA. 416+70 TO STA. 418+32, STA. 419+18 TO STA. 419+43

LEGEND

- (A) EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, 10"±
- (B) EXISTING PORTLAND CEMENT CONCRETE BASE COURSE, 7"-9"±
- (C) EXISTING HOT-MIX ASPHALT PAVEMENT, 6-1/2"±
- (D) EXISTING HOT-MIX ASPHALT BASE COURSE, 6"-10"±
- (E) EXISTING AGGREGATE BASE COURSE
- (F) EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (G) EXISTING PORTLAND CEMENT CONCRETE SIDEWALK
- (H) EXISTING GROUND
- (I) HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- (R) ITEM TO BE REMOVED
- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80; 1-3/4"
- (2) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50; 3/4"
- (3) HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70; 1-1/2" TO 2-1/4"
- (4) HOT-MIX ASPHALT BASE COURSE, 7-1/2" (WIDENING ≤ 6' USE PCC BASE CSE W 7.5)
- (5) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (6) AGGREGATE BASE COURSE, TYPE B 4"
- (7) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (8) PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)
- (9) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- (10) NO. 6 TIE BAR
- (11) PIPE UNDERDRAINES, TYPE 2, 4"
- (12) TOPSOIL EXCAVATION AND PLACEMENT
  NITROGEN FERTILIZER NUTRIENT
  POTASSIUM FERTILIZER NUTRIENT
  SEEDING, CLASS 1A

* IL ROUTE 43 GUTTER THICKINESS SHALL MATCH PAVEMENT THICKINESS

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	AIR VOIDS @ Ndes	QMP
IL ROUTE 43 (WAUKEGAN ROAD) RESURFACING		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80; 1-3/4"	3.5% @ 80 Gyr.	LR1030-2
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50; 3/4"	3.5% @ 50 Gyr.	LR1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70; 1-1/2" TO 2-1/4"	4% @ 70 Gyr.	LR1030-2
WESTLEIGH ROAD RESURFACING		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL 9.5, N50; 2"	4% @ 50 Gyr.	LR1030-2
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50; 1"	3.5% @ 50 Gyr.	LR1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 2.25"-4"	4% @ 50 Gyr.	LR1030-2
IL ROUTE 43 (WAUKEGAN ROAD) WIDENING		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80; 1-3/4"	3.5% @ 80 Gyr.	LR1030-2
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50; 3/4"	3.5% @ 50 Gyr.	LR1030-2
HMA BASE COURSE (HMA BINDER IL-19 mm); 7-1/2"	4% @ 70 Gyr.	LR1030-2
WESTLEIGH ROAD WIDENING		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL 9.5, N50; 2"	4% @ 50 Gyr.	LR1030-2
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50; 1"	3.5% @ 50 Gyr.	LR1030-2
HMA BASE COURSE (HMA BINDER IL-19 mm); 7"	4% @ 50 Gyr.	LR1030-2
HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8" & 10"		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL 9.5, N50; 2"	4% @ 50 Gyr.	LR1030-2
HMA BASE COURSE (HMA BINDER IL-19 mm); PE-6", CE-8"	4.0% @ 50 Gyr.	LR1030-2
PATCHING		
CLASS D PATCH (HMA BINDER IL-19 mm)	4% @ 70 Gyr.	LR1030-2
QMP DESIGNATIONS: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) PER LR1030-2		

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

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

LONGITUDINAL JOINT SEALANT SHALL BE PLACED ON THE TOP OF P HMA BC IL-4.75 N50

GEWALT HAMILTON ASSOCIATES, INC.

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PLOT SCALE = 10.0000 ' / in.	CHECKED - KLB	REVISED -	
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -	

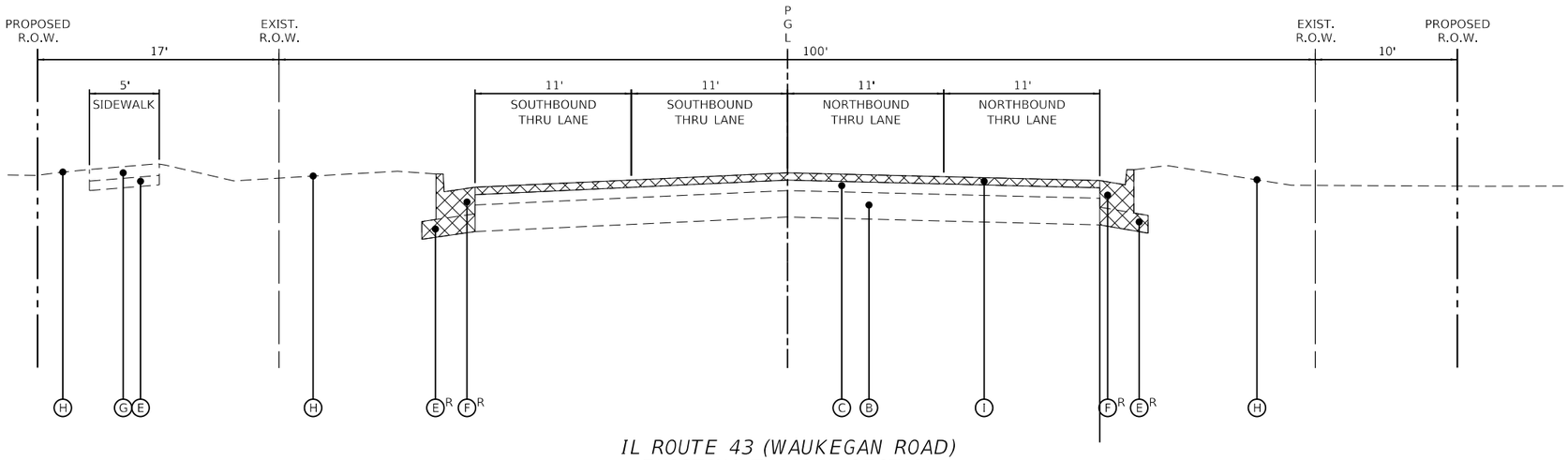
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

SCALE: N.T.S. | SHEET 1 OF 5 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	18
		CONTRACT NO. 61L42		
	ILLINOIS FED. AID PROJECT			



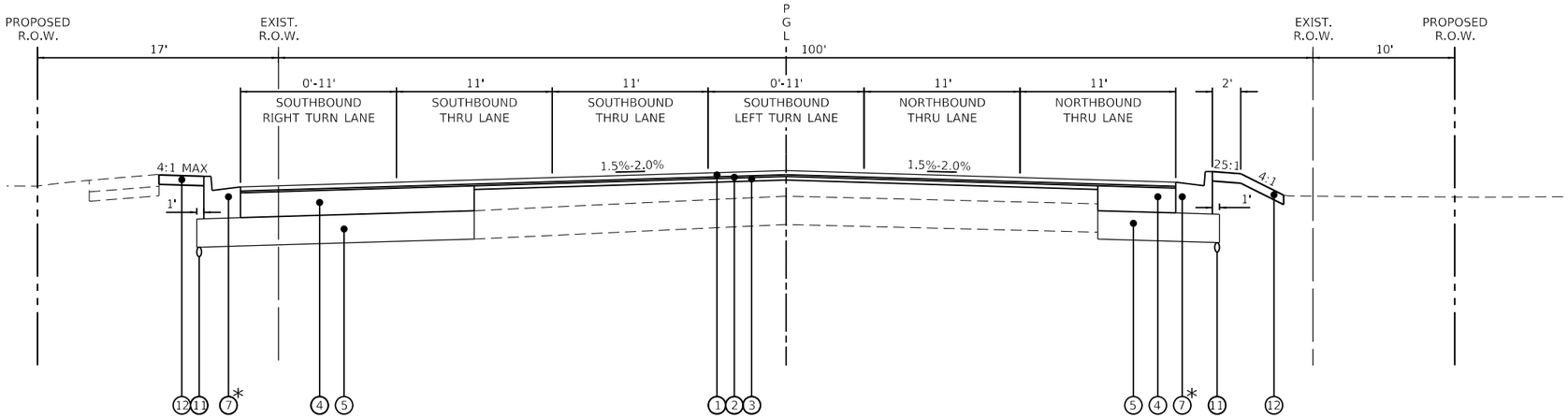
IL ROUTE 43 (WAUKEGAN ROAD)
EXISTING TYPICAL SECTION

STA. 424+40 TO STA. 429+83

LEGEND

- (A) EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, 10"±
- (B) EXISTING PORTLAND CEMENT CONCRETE BASE COURSE, 7"-9"±
- (C) EXISTING HOT-MIX ASPHALT PAVEMENT, 6-1/2"±
- (D) EXISTING HOT-MIX ASPHALT BASE COURSE, 6"-10"±
- (E) EXISTING AGGREGATE BASE COURSE
- (F) EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (G) EXISTING PORTLAND CEMENT CONCRETE SIDEWALK
- (H) EXISTING GROUND
- (I) HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- (R) ITEM TO BE REMOVED
- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80; 1-3/4"
- (2) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50; 3/4"
- (3) HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70; 1-1/2" TO 2-1/4"
- (4) HOT-MIX ASPHALT BASE COURSE, 7-1/2" (WIDENING ≤ 6' USE PCC BASE CSE W 7.5)
- (5) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (6) AGGREGATE BASE COURSE, TYPE B 4"
- (7) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (8) PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)
- (9) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- (10) NO. 6 TIE BAR
- (11) PIPE UNDERDRAINES, TYPE 2, 4"
- (12) TOPSOIL EXCAVATION AND PLACEMENT
  NITROGEN FERTILIZER NUTRIENT
  POTASSIUM FERTILIZER NUTRIENT
  SEEDING, CLASS 1A

* IL ROUTE 43 GUTTER THICKINESS SHALL MATCH PAVEMENT THICKINESS



IL ROUTE 43 (WAUKEGAN ROAD)
PROPOSED TYPICAL SECTION

STA. 424+40 TO STA. 429+83

NOTE:
PROPOSED SIDEWALK FROM
STA. 426+50 TO STA. 427+70, STA. 429+22 TO STA. 429+52

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: Default
FILE NAME: G:\4600\4664\000 Lake Forest\4664.410 IL 43 at Westleigh\Microstation\Sheets\4664-410-sht-typical 2.dgn

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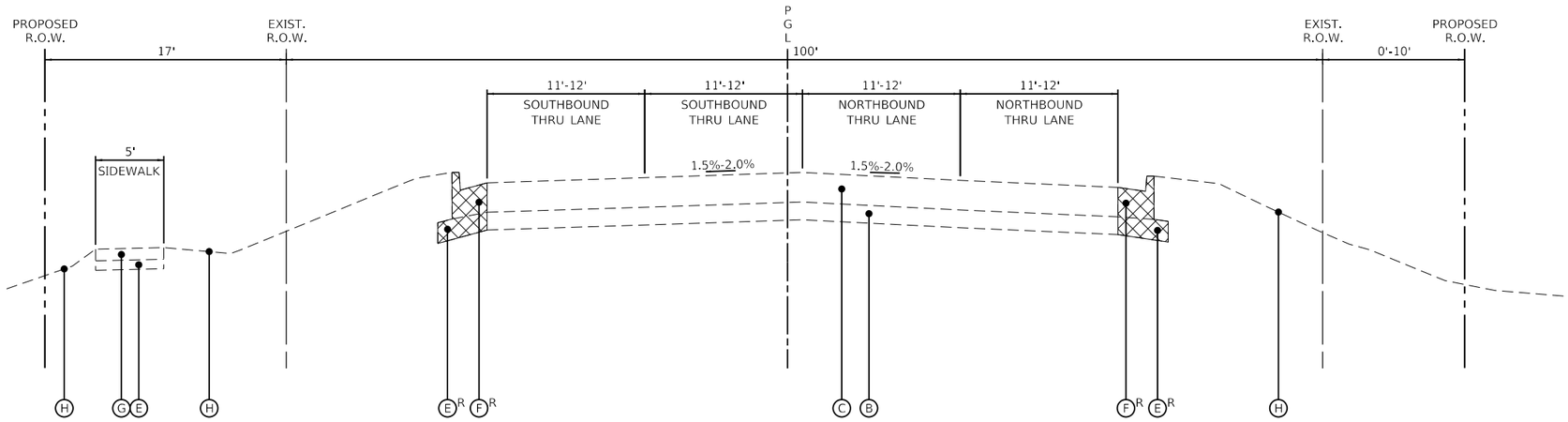
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

SCALE: N.T.S. | SHEET 2 OF 5 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	19
		CONTRACT NO. 61L42		
	ILLINOIS FED. AID PROJECT			



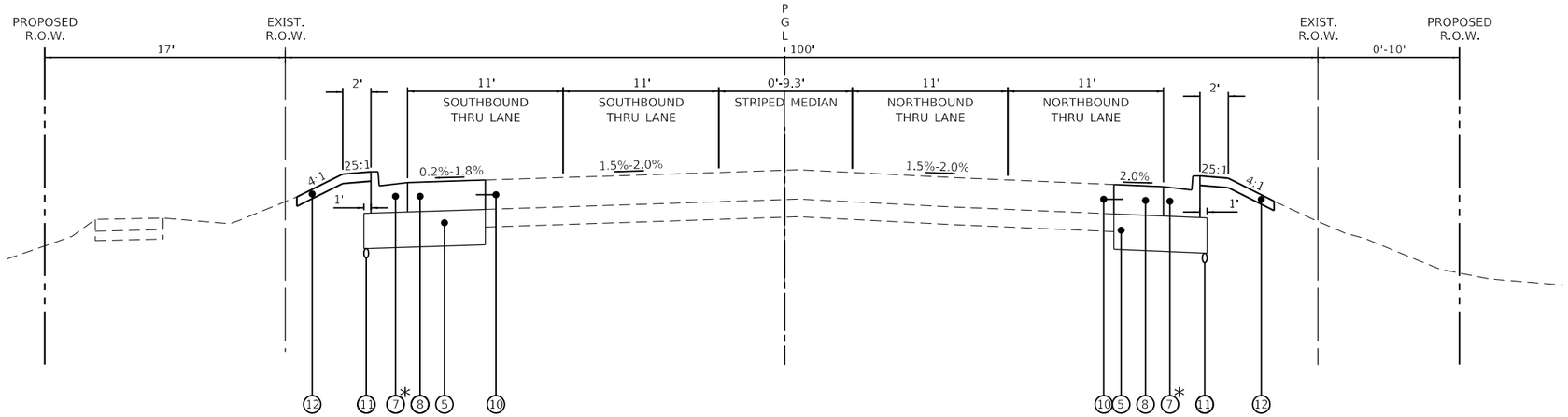
IL ROUTE 43 (WAUKEGAN ROAD)
EXISTING TYPICAL SECTION

STA. 429+83 TO STA. 431+69

LEGEND

- (A) EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, 10"±
- (B) EXISTING PORTLAND CEMENT CONCRETE BASE COURSE, 7"-9"±
- (C) EXISTING HOT-MIX ASPHALT PAVEMENT, 6-1/2"±
- (D) EXISTING HOT-MIX ASPHALT BASE COURSE, 6"-10"±
- (E) EXISTING AGGREGATE BASE COURSE
- (F) EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (G) EXISTING PORTLAND CEMENT CONCRETE SIDEWALK
- (H) EXISTING GROUND
- (I) HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- (R) ITEM TO BE REMOVED
- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80; 1-3/4"
- (2) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50; 3/4"
- (3) HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70; 1-1/2" TO 2-1/4"
- (4) HOT-MIX ASPHALT BASE COURSE, 7-1/2" (WIDENING ≤ 6' USE PCC BASE CSE W 7.5)
- (5) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (6) AGGREGATE BASE COURSE, TYPE B 4"
- (7) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (8) PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)
- (9) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- (10) NO. 6 TIE BAR
- (11) PIPE UNDERDRAINES, TYPE 2, 4"
- (12) TOPSOIL EXCAVATION AND PLACEMENT
  NITROGEN FERTILIZER NUTRIENT
  POTASSIUM FERTILIZER NUTRIENT
  SEEDING, CLASS 1A

∗ IL ROUTE 43 GUTTER THICKINESS SHALL MATCH PAVEMENT THICKINESS



IL ROUTE 43 (WAUKEGAN ROAD)
PROPOSED TYPICAL SECTION

STA. 429+83 TO STA. 431+69

GEWALT HAMILTON ASSOCIATES, INC.

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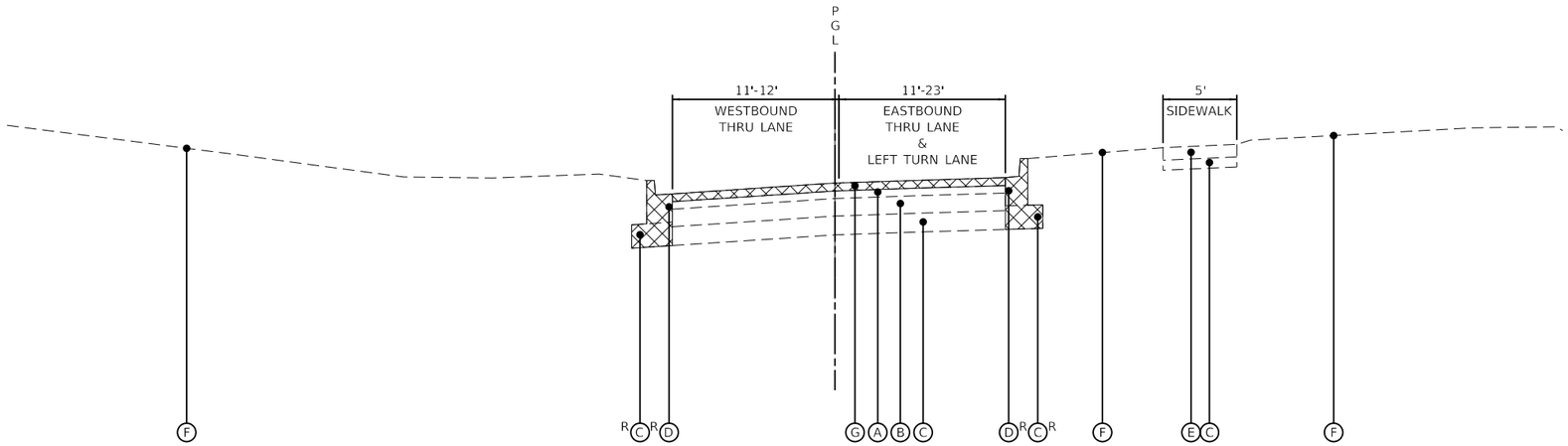
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

SCALE: N.T.S. | SHEET 3 OF 5 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	20
		CONTRACT NO. 61L42		
	ILLINOIS FED. AID PROJECT			



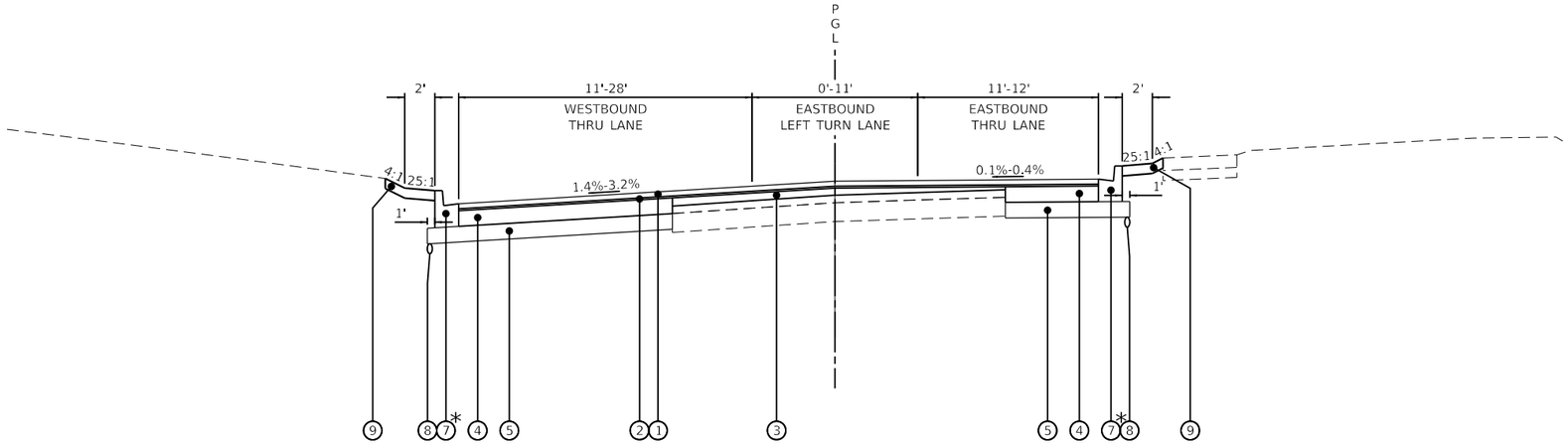
WESTLEIGH ROAD
EXISTING TYPICAL SECTION

STA. 7+44 TO STA. 10+00

LEGEND

- (A) EXISTING HOT-MIX ASPHALT PAVEMENT, 4"±
- (B) EXISTING HOT-MIX ASPHALT BASE COURSE, 6"-10"±
- (C) EXISTING AGGREGATE BASE COURSE
- (D) EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (E) EXISTING PORTLAND CEMENT CONCRETE SIDEWALK
- (F) EXISTING GROUND
- (G) HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH (MAX 3")
- (R) ITEM TO BE REMOVED
- (1) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
- (2) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50; 1"
- (3) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2.25"-4"
- (4) HOT-MIX ASPHALT BASE COURSE, 7" (WIDENING ≤ 6' USE PCC BASE CSE W 7)
- (5) AGGREGATE BASE COURSE, TYPE B 6"
- (6) AGGREGATE BASE COURSE, TYPE B 4"
- (7) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (8) PIPE UNDERDRAINES, TYPE 2, 4"
- (9) TOPSOIL EXCAVATION AND PLACEMENT
  NITROGEN FERTILIZER NUTRIENT
  POTASSIUM FERTILIZER NUTRIENT
  SEEDING, CLASS 1A

* WESTLEIGH ROAD GUTTER THICKINESS SHALL MATCH PAVEMENT THICKINESS OR BE NO LESS THAN 9"



WESTLEIGH ROAD
PROPOSED TYPICAL SECTION

STA. 7+44 TO STA. 10+00

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: Default
FILE NAME: G:\4600\4664\400 Lake Forest\4664-110 IL 43 at Westleigh\Microstation\Sheets\4664-110-tht-typical 4.dgn

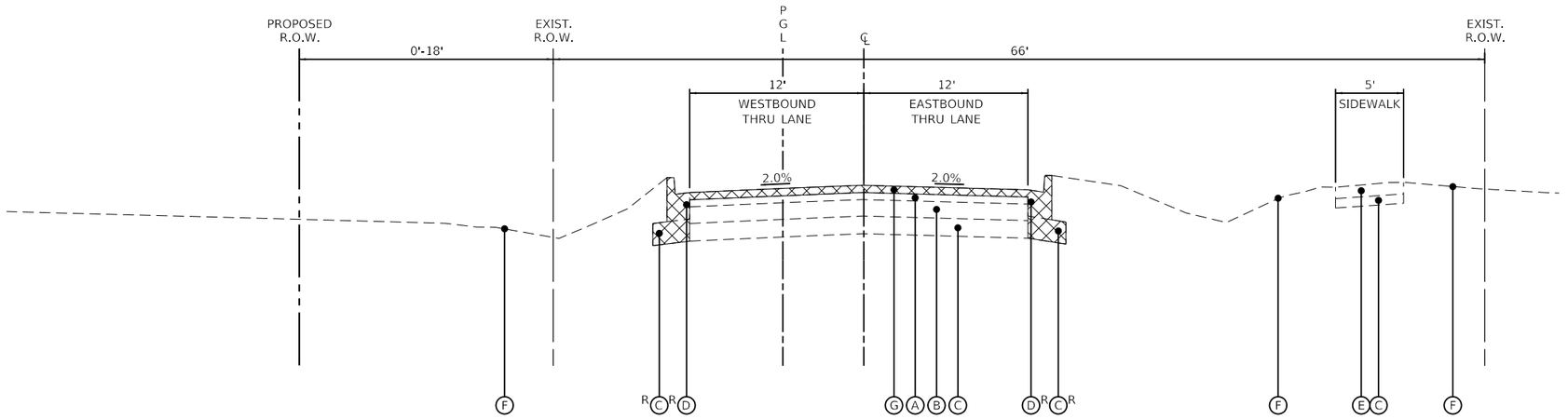
USER NAME = dolesak	DESIGNED - KLB	REVISED -
	DRAWN - GHA	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED - KLB	REVISED -
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

SCALE: N.T.S. | SHEET 4 OF 5 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	21
		CONTRACT NO. 61L42		
		ILLINOIS	FED. AID PROJECT	



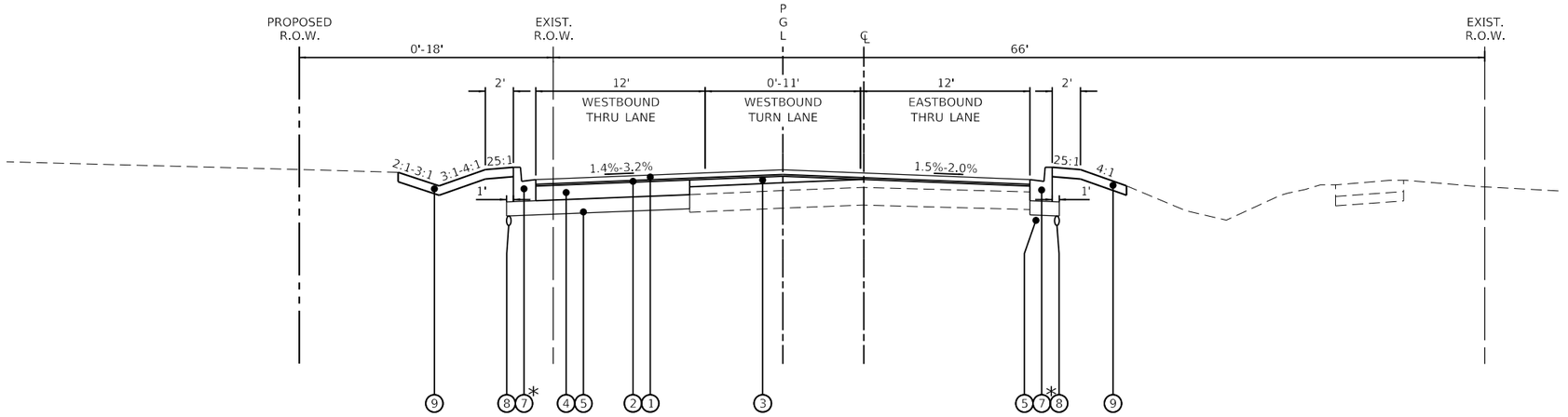
WESTLEIGH ROAD
EXISTING TYPICAL SECTION

STA. 10+00 TO STA. 17+56

LEGEND

- (A) EXISTING HOT-MIX ASPHALT PAVEMENT, 4"±
- (B) EXISTING HOT-MIX ASPHALT BASE COURSE, 6"-10"±
- (C) EXISTING AGGREGATE BASE COURSE
- (D) EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (E) EXISTING PORTLAND CEMENT CONCRETE SIDEWALK
- (F) EXISTING GROUND
- (G) HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH (MAX 3")
- (R) ITEM TO BE REMOVED
- (1) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
- (2) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50; 1"
- (3) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2.25"-4"
- (4) HOT-MIX ASPHALT BASE COURSE, 7" (WIDENING ≤ 6' USE PCC BASE CSE W 7)
- (5) AGGREGATE BASE COURSE, TYPE B 6"
- (6) AGGREGATE BASE COURSE, TYPE B 4"
- (7) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (8) PIPE UNDERDRAINES, TYPE 2, 4"
- (9) TOPSOIL EXCAVATION AND PLACEMENT
  NITROGEN FERTILIZER NUTRIENT
  POTASSIUM FERTILIZER NUTRIENT
  SEEDING, CLASS 1A

∗ WESTLEIGH ROAD GUTTER THICKINESS SHALL MATCH PAVEMENT THICKINESS OR BE NO LESS THAN 9"



WESTLEIGH ROAD
PROPOSED TYPICAL SECTION

STA. 10+00 TO STA. 17+56

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: Default
FILE NAME: G:\4600\4664\000 Lake Forest\4664.410 IL 43 at Westleigh\Microstation\Sheets\4664-410-sht-typical 5.dgn

USER NAME = dolesak	DESIGNED - KLB	REVISED -
	DRAWN - GHA	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED - KLB	REVISED -
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

SCALE: N.T.S. | SHEET 5 OF 5 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	22
		CONTRACT NO. 61L42		
	ILLINOIS	FED. AID PROJECT		

IL RTE 43 SCHEDULE OF EARTHWORK STAGE 1

STATION	TO	STATION	EARTH EXCAVATION (CU YD)	EARTH EXCAVATION ADJUSTED FOR 15% SHRINKAGE (CU YD)	FILL VOLUME (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)	TOPSOIL EXCAVATION STRIP DEPTH: 6" (CU YD)	TOPSOIL EXCAVATION ADJUSTED FOR a(5) (CU YD)	TOPSOIL FILL DEPTH: 4" (CU YD)	TOPSOIL BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)
	(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
416+58.53	TO	416+79.61	10.44	8.87	0.00	8.87	0.00	0.00	0.00	0.00
416+79.61	TO	417+00.00	14.64	12.44	0.86	11.58	4.63	4.63	3.00	1.63
417+00.00	TO	417+50.00	19.45	16.53	6.88	9.65	22.74	22.74	14.31	8.43
417+50.00	TO	418+00.00	19.50	16.58	10.55	6.03	22.67	22.67	13.47	9.20
418+00.00	TO	418+21.60	15.96	13.57	2.50	11.07	4.88	4.88	2.82	2.06
418+21.60	TO	418+50.00	20.64	17.54	1.80	15.74	5.13	5.13	2.63	2.50
418+50.00	TO	419+00.00	21.40	18.19	8.80	9.39	16.08	16.08	7.54	8.54
419+00.00	TO	419+50.00	19.80	16.83	18.61	-1.78	16.37	16.37	6.93	9.44
419+50.00	TO	420+00.00	17.90	15.22	24.48	-9.26	18.28	18.28	7.81	10.47
420+00.00	TO	420+50.00	18.78	15.96	21.18	-5.22	17.07	17.07	7.00	10.07
420+50.00	TO	421+00.00	19.60	16.66	21.10	-4.44	17.41	17.41	7.26	10.15
421+00.00	TO	421+50.00	18.89	16.06	22.59	-6.53	18.83	18.83	8.31	10.52
421+50.00	TO	421+90.40	21.92	18.63	9.02	9.61	7.70	7.70	3.44	4.26
421+90.40	TO	422+00.00	7.10	6.04	0.00	6.04	0.00	0.00	0.00	0.00
422+00.00	TO	422+50.00	30.74	26.13	3.00	23.13	9.30	9.30	4.29	5.01
422+50.00	TO	423+00.00	26.92	22.88	4.77	18.11	18.33	18.33	8.51	9.82
423+00.00	TO	423+50.00	27.55	23.42	3.54	19.88	17.91	17.91	8.42	9.49
423+50.00	TO	424+00.00	31.37	26.66	5.31	21.35	19.81	19.81	7.56	12.25
424+00.00	TO	424+50.00	19.02	16.17	3.55	12.62	10.93	10.93	3.38	7.55
424+50.00	TO	425+00.00	21.85	18.57	0.31	18.26	5.89	5.89	2.47	3.42
425+00.00	TO	425+50.00	48.28	41.04	1.64	39.40	13.63	13.63	3.62	10.01
425+50.00	TO	426+00.00	50.40	42.84	3.01	39.83	16.87	16.87	2.32	14.55
426+00.00	TO	426+50.00	44.11	37.49	3.77	33.72	18.38	18.38	2.30	16.08
426+50.00	TO	427+00.00	36.78	31.26	7.56	23.70	20.82	20.82	3.06	17.76
427+00.00	TO	427+50.00	32.93	27.99	10.50	17.49	23.18	23.18	4.81	18.37
427+50.00	TO	428+00.00	30.90	26.27	10.91	15.36	21.01	21.01	5.10	15.91
428+00.00	TO	428+50.00	27.88	23.70	14.74	8.96	18.82	18.82	5.17	13.65
428+50.00	TO	429+00.00	25.56	21.73	19.14	2.59	18.83	18.83	6.64	12.19
429+00.00	TO	429+32.56	15.86	13.48	26.51	-13.03	13.71	13.71	6.08	7.63
429+32.56	TO	429+50.00	8.77	7.45	15.23	-7.78	8.11	8.11	3.99	4.12
429+50.00	TO	430+00.00	23.44	19.92	17.73	2.19	17.84	17.84	8.34	9.50
430+00.00	TO	430+50.00	19.77	16.80	6.12	10.68	9.63	9.63	3.69	5.94
430+50.00	TO	431+00.00	16.58	14.09	2.70	11.39	5.46	5.46	1.87	3.59
431+00.00	TO	431+50.00	12.31	10.46	2.10	8.36	3.42	3.42	1.48	1.94
431+50.00	TO	431+68.62	1.92	1.63	0.38	1.25	0.51	0.51	0.28	0.23
		TOTAL VOLUMES (CU YD):	799	679	311	368	464	464	178	286

IL RTE 43 SCHEDULE OF EARTHWORK STAGE 3

STATION	TO	STATION	EARTH EXCAVATION (CU YD)	EARTH EXCAVATION ADJUSTED FOR 15% SHRINKAGE (CU YD)	FILL VOLUME (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)	TOPSOIL EXCAVATION STRIP DEPTH: 6" (CU YD)	TOPSOIL EXCAVATION ADJUSTED FOR a(5) (CU YD)	TOPSOIL FILL DEPTH: 4" (CU YD)	TOPSOIL BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)
	(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
416+58.53	TO	416+79.61	1.24	1.05	0.85	0.20	0.89	0.89	0.60	0.29
416+79.61	TO	417+00.00	2.57	2.18	1.76	0.42	1.87	1.87	1.23	0.64
417+00.00	TO	417+50.00	7.79	6.62	7.38	-0.76	7.09	7.09	4.40	2.69
417+50.00	TO	418+00.00	10.16	8.64	8.21	0.43	8.39	8.39	4.87	3.52
418+00.00	TO	418+21.60	5.16	4.39	2.86	1.53	3.42	3.42	1.85	1.57
418+21.60	TO	418+50.00	7.33	6.23	4.95	1.28	5.71	5.71	3.13	2.58
418+50.00	TO	419+00.00	13.54	11.51	12.48	-0.97	12.65	12.65	6.93	5.72
419+00.00	TO	419+50.00	12.50	10.63	19.74	-9.11	14.15	14.15	7.54	6.61
419+50.00	TO	420+00.00	11.49	9.77	23.46	-13.69	14.80	14.80	7.79	7.01
420+00.00	TO	420+50.00	11.82	10.05	17.62	-7.57	13.47	13.47	6.83	6.64
420+50.00	TO	421+00.00	14.06	11.95	9.85	2.10	10.65	10.65	4.83	5.82
421+00.00	TO	421+50.00	16.61	14.12	6.08	8.04	9.20	9.20	3.74	5.46
421+50.00	TO	421+90.40	13.40	11.39	5.09	6.30	7.63	7.63	3.02	4.61
421+90.40	TO	422+00.00	3.07	2.61	1.34	1.27	1.86	1.86	0.73	1.13
422+00.00	TO	422+50.00	16.52	14.04	6.09	7.95	9.15	9.15	3.38	5.77
422+50.00	TO	423+00.00	18.00	15.30	5.19	10.11	8.81	8.81	3.02	5.79
423+00.00	TO	423+50.00	19.14	16.27	5.47	10.80	9.26	9.26	3.13	6.13
423+50.00	TO	424+00.00	43.34	36.84	7.53	29.31	27.79	27.79	1.57	26.22
424+00.00	TO	424+50.00	33.65	28.60	4.70	23.90	23.06	23.06	0.00	23.06
424+50.00	TO	425+00.00	21.13	17.96	1.04	16.92	6.21	6.21	0.68	5.53
425+00.00	TO	425+50.00	33.32	28.32	2.86	25.46	10.62	10.62	1.87	8.75
425+50.00	TO	426+00.00	23.87	20.29	3.85	16.44	9.51	9.51	2.84	6.67
426+00.00	TO	426+50.00	21.80	18.53	7.75	10.78	11.25	11.25	4.14	7.11
426+50.00	TO	427+00.00	18.71	15.90	14.59	1.31	13.38	13.38	5.82	7.56
427+00.00	TO	427+50.00	16.85	14.32	17.27	-2.95	14.37	14.37	6.71	7.66
427+50.00	TO	428+00.00	16.94	14.40	14.88	-0.48	13.25	13.25	6.10	7.15
428+00.00	TO	428+50.00	17.31	14.71	14.21	0.50	13.81	13.81	6.57	7.24
428+50.00	TO	429+00.00	18.12	15.40	12.73	2.67	14.22	14.22	6.88	7.34
429+00.00	TO	429+32.56	12.36	10.51	5.91	4.60	7.30	7.30	3.17	4.13
429+32.56	TO	429+50.00	6.59	5.60	3.01	2.59	3.66	3.66	1.54	2.12
429+50.00	TO	430+00.00	17.66	15.01	6.31	8.70	9.36	9.36	4.02	5.34
430+00.00	TO	430+50.00	15.04	12.78	3.58	9.20	6.52	6.52	2.86	3.66
430+50.00	TO	431+00.00	11.40	9.69	3.22	6.47	4.69	4.69	2.49	2.20
431+00.00	TO	431+50.00	4.63	3.94	1.41	2.53	1.72	1.72	1.05	0.67
431+50.00	TO	431+68.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		TOTAL VOLUMES (CU YD):	517	440	263	176	330	330	125	204

SCHOOL ENTRANCE SCHEDULE OF EARTHWORK STAGE 2

STATION	TO	STATION	EARTH EXCAVATION (CU YD)	EARTH EXCAVATION ADJUSTED FOR 15% SHRINKAGE (CU YD)	FILL VOLUME (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)	TOPSOIL EXCAVATION STRIP DEPTH: 6" (CU YD)	TOPSOIL EXCAVATION ADJUSTED FOR a(5) (CU YD)	TOPSOIL FILL DEPTH: 4" (CU YD)	TOPSOIL BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)
	(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
7+43.99	TO	7+50.00	0.69	0.59	0.24	0.35	0.23	0.23	0.12	0.11
7+50.00	TO	8+00.00	17.68	15.03	3.86	11.17	6.80	6.80	1.93	4.87
8+00.00	TO	8+50.00	30.68	26.08	4.88	21.20	15.68	15.68	2.44	13.24
8+50.00	TO	8+75.99	16.87	14.34	2.14	12.20	8.72	8.72	1.11	7.61
8+75.99	TO	9+00.00	10.29	8.75	2.61	6.14	4.29	4.29	1.11	3.18
9+00.00	TO	9+50.00	35.98	30.58	6.76	23.82	10.54	10.54	2.89	7.65
9+50.00	TO	10+00.00	28.31	24.06	2.44	21.62	7.56	7.56	1.24	6.32
		TOTAL VOLUMES (CU YD):	141	119	23	97	54	54	11	43

WESTLEIGH SCHEDULE OF EARTHWORK STAGE 4

STATION	TO	STATION	EARTH EXCAVATION (CU YD)	EARTH EXCAVATION ADJUSTED FOR 15% SHRINKAGE (CU YD)	FILL VOLUME (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)	TOPSOIL EXCAVATION STRIP DEPTH: 6" (CU YD)	TOPSOIL EXCAVATION ADJUSTED FOR a(5) (CU YD)	TOPSOIL FILL DEPTH: 4" (CU YD)	TOPSOIL BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)
	(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
10+00.00	TO	10+50.00	25.84	21.96	4.84	17.12	14.42	14.42	2.45	11.97
10+50.00	TO	11+00.00	31.56	26.83	16.52	10.31	23.49	23.49	5.58	17.91
11+00.00	TO	11+50.00	10.48	8.91	18.99	-10.08	17.58	17.58	5.45	12.13
11+50.00	TO	12+00.00	10.31	8.76	13.86	-5.10	18.76	18.76	5.78	12.98
12+00.00	TO	12+50.00	10.76	9.15	14.67	-5.52	20.17	20.17	6.69	13.48
12+50.00	TO	13+00.00	16.75	14.24	13.71	0.53	20.25	20.25	6.72	13.53
13+00.00	TO	13+20.95	16.23	13.80	2.35	11.45	4.33	4.33	1.46	2.87
13+20.95	TO	13+50.00	20.49	17.42	4.41	13.01	6.05	6.05	2.07	3.98
13+50.00	TO	14+00.00	14.30	12.16	16.19	-4.03	20.57	20.57	6.97	13.60
14+00.00	TO	14+50.00	11.95	10.16	18.07	-7.91	19.55	19.55	6.56	12.99
14+50.00	TO	15+00.00	10.82	9.20	21.56	-12.36	17.06	17.06	5.71	11.35
15+00.00	TO	15+05.24	1.12	0.95	2.57	-1.62	1.61	1.61	0.54	1.07
15+05.24	TO	15+50.00	8.80	7.48	17.29	-9.81	12.85	12.85	4.44	8.41
15+50.00	TO	16+00.00	12.94	11.00	11.46	-0.46	11.73	11.73	4.10	7.63
16+00.00	TO	16+13.64	5.88	5.00	1.24	3.76	1.40	1.40	0.49	0.91
16+13.64	TO	16+50.00	14.34	12.19	2.94	9.25	4.30	4.30	2.06	2.24
16+50.00	TO	17+00.00	11.64	9.89	8.81	1.08	12.19	12.19	6.42	5.77
17+00.00	TO	17+50.00	8.12	6.90	10.03	-3.13	11.50	11.50	7.03	4.47
17+50.00	TO	17+55.67	0.38	0.32	0.60	-0.28	0.59	0.59	0.39	0.20
		TOTAL VOLUMES (CU YD):	243	206	200	6	238	238	81	157

WESTLEIGH SCHEDULE OF EARTHWORK STAGE 5

STATION	TO	STATION	EARTH EXCAVATION (CU YD)	EARTH EXCAVATION ADJUSTED FOR 15% SHRINKAGE (CU YD)	FILL VOLUME (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)	TOPSOIL EXCAVATION STRIP DEPTH: 6" (CU YD)	TOPSOIL EXCAVATION ADJUSTED FOR a(5) (CU YD)	TOPSOIL FILL DEPTH: 4" (CU YD)	TOPSOIL BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)
	(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
10+00.00	TO	10+50.00	20.92	17.78	1.96	15.82	14.20	14.20	1.39	12.81
10+50.00	TO	11+00.00	27.06	23.00	4.56	18.44	20.51	20.51	4.90	15.61
11+00.00	TO	11+50.00	10.11	8.59	3.42	5.17	7.72	7.72	4.41	3.31
11+50.00	TO	12+00.00	8.09	6.88	2.42	4.46	3.12	3.12	2.03	1.09
12+00.00	TO	12+50.00	8.19	6.96	2.66	4.30	3.58	3.58	2.38	1.20
12+50.00	TO	13+00.00	7.80	6.63	2.85	3.78	3.94	3.94	2.64	1.30
13+00.00	TO	13+20.95	3.09	2.63	1.60	1.03	1.80	1.80	1.20	0.60
13+20.95	TO	13+50.00	4.16	3.54	2.62	0.92	2.82	2.82	1.89	0.93
13+50.00	TO	14+00.00	7.19	6.11	4.76	1.35	4.86	4.86	3.25	1.61
14+00.00	TO	14+50.00	8.12	6.90	3.33	3.57	3.16	3.16	2.11	1.05
14+50.00	TO	15+00.00	4.44	3.77	1.06	2.71	0.94	0.94	0.63	0.31
15+00.00	TO	15+05.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15+05.24	TO	15+50.00	3.88	3.30	1.26	2.04	1.24	1.24	0.82	0.42
15+50.00	TO	16+00.00	8.50	7.23	2.83	4.40	2.82	2.82	1.81	1.01
16+00.00	TO	16+13.64	2.19	1.86	0.82	1.04	0.83	0.83	0.52	0.31
16+13.64	TO	16+50.00	4.95	4.21	2.42	1.79	2.43	2.43	1.52	0.91
16+50.00	TO	17+00.00	6.36	5.41	2.83	2.58	2.84	2.84	1.73	1.11
17+00.00	TO	17+50.00	7.01	5.96	2.41	3.55	2.50	2.50	1.53	0.97
17+50.00	TO	17+55.67	0.41	0.35	0.15	0.20	0.16	0.16	0.10	0.06
		TOTAL VOLUMES (CU YD):	142	121	44	77	79	79	35	45

SUMMARY SCHEDULE OF EARTHWORK

LOCATION	20200100 EARTH EXCAVATION	21101505 TOPSOIL EXCAVATION AND PLACEMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)	TOPSOIL BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)
	CU YD	CU YD	CU YD	CU YD
STAGE 1 IL 43	799	464	368	286
STAGE 2 SCHOOL ENTRANCE	141	54	97	43
STAGE 3 IL 43	517	330	176	204
STAGE 4 WESTLEIGH	243	238	6	157
STAGE 5 WESTLEIGH	142	79	77	45
TOTAL	1842	1165	724	735

EARTHWORK NOTES:

(1) STATION RANGE

(2) VOLUME TO BE CUT

(3) VOLUME TO BE USED AS FILL AFTER EITHER ADJUSTING 15% FOR SHRINKAGE AND LOSSES, OR OMITTING DUE TO HAVING AN A(5) CONTAMINATED SITE PER THE PSI REPORT

(4) VOLUME TO BE FILLED

(5) COLUMN (4) MINUS COLUMN (3)

(6) TOPSOIL STRIPPING VOLUME
(7) TOPSOIL ADJUSTED BY OMITTING DUE TO HAVING AN A(5) CONTAMINATED SITE PER THE PSI REPORT

(8) TOPSOIL FILL VOLUME

(9) COLUMN (8) MINUS COLUMN (7)

GEWALT HAMILTON ASSOCIATES, INC.

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	DRAWN - GHA	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - KLB	REVISED -	
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -	

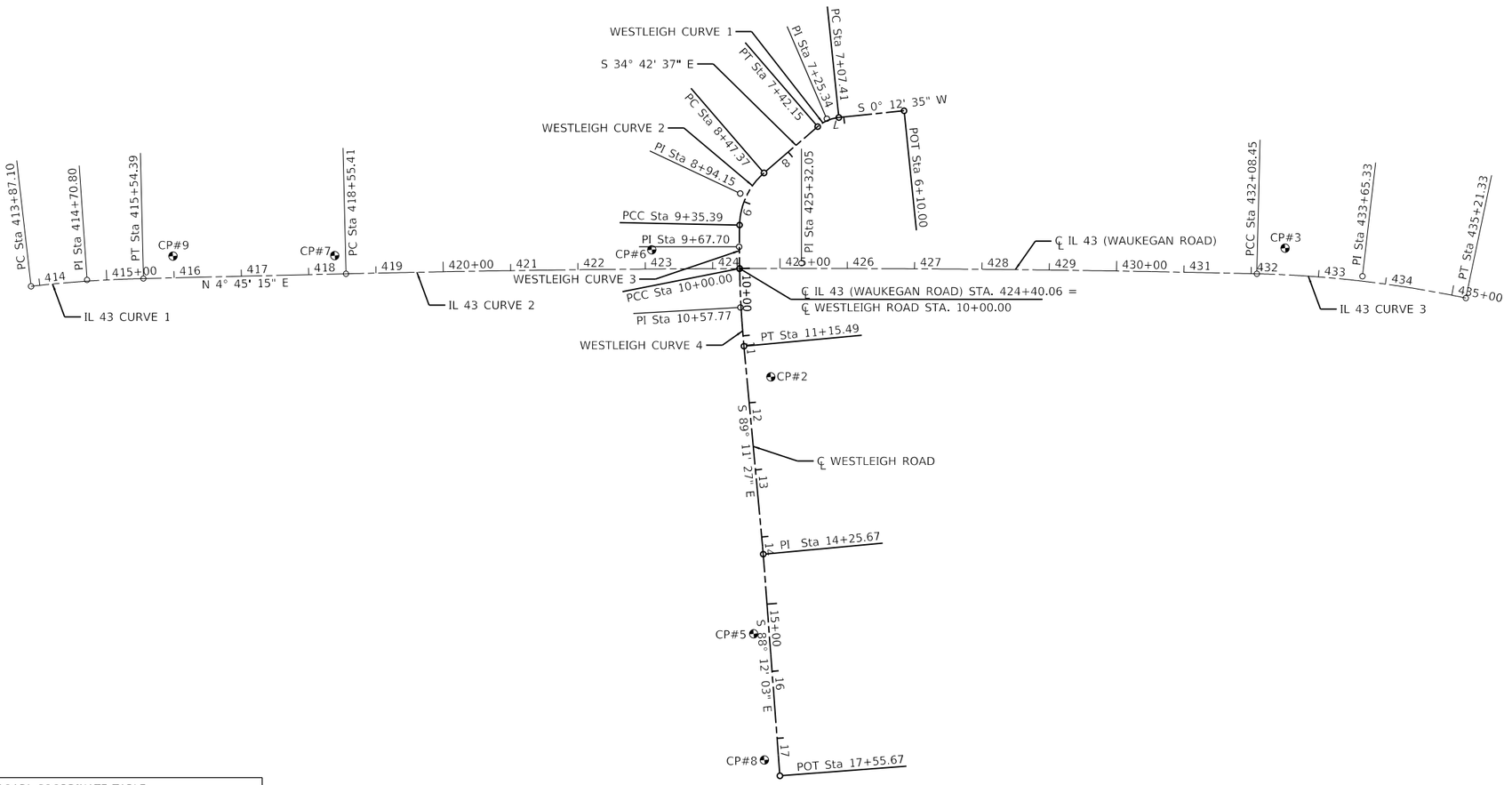
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EARTHWORKS SCHEDULE

IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	23
		CONTRACT NO. 61L42		
	ILLINOIS	FED. AID PROJECT		



IL 43 (WAUKEGAN ROAD) COORDINATE TABLE			
DESCRIPTION	STATION	NORTHING	EASTING
POB/PC	413+87.10	2026728.19	1108641.48
PI	414+70.80	2026811.89	1108640.88
PT	415+54.39	2026895.30	1108647.81
PC	418+55.41	2027195.28	1108672.76
PI	425+32.05	2027869.60	1108728.84
PCC	432+08.45	2028540.54	1108816.55
PI	433+65.33	2028696.10	1108836.88
POT/PT	435+21.33	2028845.31	1108885.35

WESTLEIGH ROAD COORDINATE TABLE			
DESCRIPTION	STATION	NORTHING	EASTING
POT	6+10.00	2028045.20	1108520.14
PC	7+07.41	2027947.79	1108519.78
PI	7+25.34	2027929.86	1108519.72
PT	7+42.15	2027915.12	1108529.93
PC	8+47.37	2027828.63	1108589.84
PI	8+94.15	2027790.18	1108616.48
PCC	9+35.39	2027784.26	1108662.89
PI	9+67.70	2027780.18	1108694.94
PCC	10+00.00	2027777.40	1108727.13
PI	10+57.77	2027772.42	1108784.68
PT	11+15.49	2027771.60	1108842.44
PI	14+25.67	2027767.22	1109152.59
POT	17+55.67	2027756.86	1109482.44

IL 43 CURVE 1
PI STA. = 414+70.80
Δ = 5° 10' 02" (RT)
D = 3° 05' 19"
R = 1,855.00'
T = 83.70'
L = 167.30'
E = 1.89'
e = ____
T.R. = ____
S.E. RUN = ____
P.C. STA. = 413+87.10
P.T. STA. = 415+54.39

IL 43 CURVE 2
PI STA. = 425+32.05
Δ = 2° 41' 39" (RT)
D = 0° 11' 57"
R = 28,776.00'
T = 676.65'
L = 1,353.04'
E = 7.95'
e = ____
T.R. = ____
S.E. RUN = ____
P.C. STA. = 418+55.41
P.T. STA. = 432+08.45

IL 43 CURVE 3
PI STA. = 433+65.33
Δ = 10° 32' 49" (RT)
D = 3° 22' 15"
R = 1,699.69'
T = 156.88'
L = 312.88'
E = 7.22'
e = ____
T.R. = ____
S.E. RUN = ____
P.C. STA. = 432+08.45
P.T. STA. = 435+21.33

WESTLEIGH CURVE 1
PI STA. = 7+25.34
Δ = 34° 55' 11" (LT)
D = 100° 31' 08"
R = 57.00'
T = 17.93'
L = 34.74'
E = 2.75'
e = ____
T.R. = ____
S.E. RUN = ____
P.C. STA. = 7+07.41
P.T. STA. = 7+42.15

WESTLEIGH CURVE 2
PI STA. = 8+94.15
Δ = 48° 01' 53" (LT)
D = 54° 34' 03"
R = 105.00'
T = 46.78'
L = 88.02'
E = 9.95'
e = ____
T.R. = ____
S.E. RUN = ____
P.C. STA. = 8+47.37
P.T. STA. = 9+35.39

WESTLEIGH CURVE 3
PI STA. = 9+67.70
Δ = 2° 18' 50" (LT)
D = 3° 34' 52"
R = 1,600.00'
T = 32.31'
L = 64.61'
E = 0.33'
e = ____
T.R. = ____
S.E. RUN = ____
P.C. STA. = 9+35.39
P.T. STA. = 10+00.00

WESTLEIGH CURVE 4
PI STA. = 10+57.77
Δ = 4° 08' 08" (LT)
D = 3° 34' 52"
R = 1,600.00'
T = 57.77'
L = 115.49'
E = 1.04'
e = ____
T.R. = ____
S.E. RUN = ____
P.C. STA. = 10+00.00
P.T. STA. = 11+15.49

TOPOGRAPHIC SURVEY BY:
BAXTER & WOODMAN CONSULTING ENGINEERS
8678 RIDGEFIELD ROAD
CRYSTAL LAKE, IL 60012
TELEPHONE: (815) 459-1260

CONTROL POINT COORDINATE TABLE					
DESCRIPTION	ELEVATION	STATION	OFFSET	NORTHING	EASTING
CP#2	671.37	11+64.64	35.58 LT	2027806.48	1108892.10
CP#3	671.71	432+48.57	39.55 LT	2028586.30	1108783.14
CP#5	670.23	15+42.59	23.06 RT	2027740.51	1109268.74
CP#6	672.92	423+09.93	28.51 LT	2027650.74	1108685.64
CP#7	673.52	418+39.36	27.37 LT	2027181.56	1108644.15
CP#8	668.23	17+30.63	21.20 RT	2027736.45	1109456.74
CP#9	674.37	415+99.12	32.34 LT	2026942.55	1108619.29

GEWALT HAMILTON ASSOCIATES, INC.
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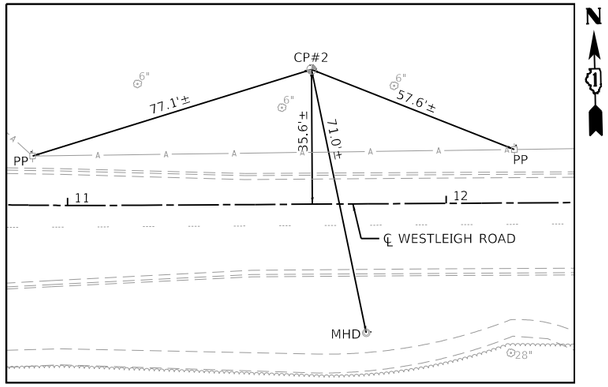
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -	

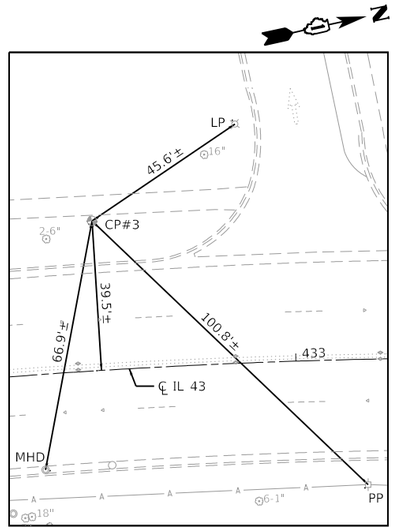
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES, AND BENCHMARKS
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD
SCALE: 1"=100' | SHEET 1 OF 2 SHEETS | STA. | TO STA.

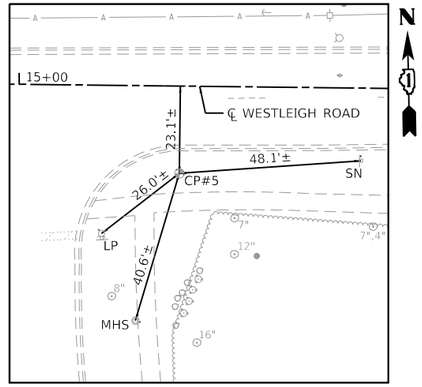
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	24
		CONTRACT NO. 61L42		
	ILLINOIS FED. AID PROJECT			



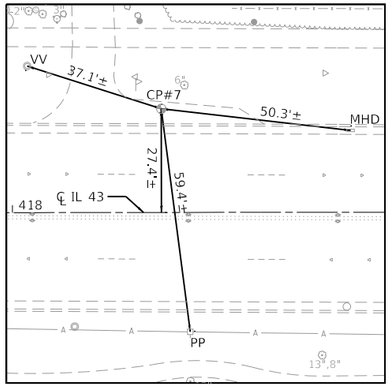
CP#2 1"=20'



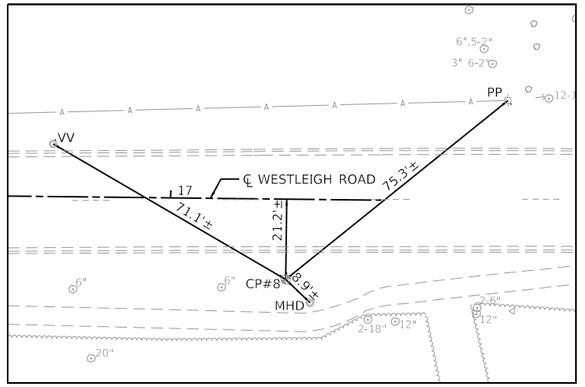
CP#3 1"=20'



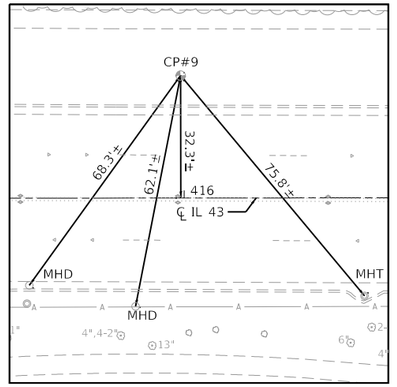
CP#5 1"=20'



CP#7 1"=20'



CP#8 1"=20'



CP#9 1"=20'

TOPOGRAPHIC SURVEY BY:

BAXTER & WOODMAN CONSULTING ENGINEERS
8678 RIDGEFIELD ROAD
CRYSTAL LAKE, IL 60012
TELEPHONE: (815) 459-1260

CONTROL POINT COORDINATE TABLE

DESCRIPTION	ELEVATION	STATION	OFFSET	NORTHING	EASTING
CP#2	671.37	11+64.64	35.58 LT	2027806.48	1108892.10
CP#3	671.71	432+48.57	39.55 LT	2028586.30	1108783.14
CP#5	670.23	15+42.59	23.06 RT	2027740.51	1109268.74
CP#6	672.92	423+09.93	28.51 LT	2027650.74	1108685.64
CP#7	673.52	418+39.36	27.37 LT	2027181.56	1108644.15
CP#8	668.23	17+30.63	21.20 RT	2027736.45	1109456.74
CP#9	674.37	415+99.12	32.34 LT	2026942.55	1108619.29

GHA GEWALT HAMILTON ASSOCIATES, INC.

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PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES, AND BENCHMARKS
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

SCALE: AS NOTED | SHEET 2 OF 2 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	25
		CONTRACT NO. 61L42		
	ILLINOIS	FED. AID PROJECT		

490 S WAUKEGAN RD
488 S WAUKEGAN RD
1300 GAVIN CT
1300 GAVIN CT
FIRE HYDRANTS TO BE ADJUSTED
WATER BOXES TO BE ADJUSTED
DRIVEWAY PAVEMENT REMOVAL (TYP)
HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
PIPE CULVERT REMOVAL
RELOCATE EXISTING MAILBOX (TYP)
SIDEWALK REMOVAL (TYP)
TREE REMOVAL (TYP)
STORM SEWER REMOVAL 12"
IL RTE 43 (WAUKEGAN ROAD)
MATCH LINE STA. 420+50.00
RAISED REFLECTIVE PAVEMENT MARKER REMOVAL (TYP)
STORM SEWER REMOVAL 12"
STORM SEWER REMOVAL 10"
COMBINATION CURB AND GUTTER REMOVAL (TYP)
HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
POWER POLE RELOCATION BY OTHERS
BEGIN IMPROVEMENTS STA. 416+58.53
SEE WESTLEIGH ROAD PLANS MATCH LINE STA. 9+00.00
1050 NEWCASTLE DR
1031 BARRYS CT
1041 BARRYS CT
1300 GAVIN CT
410 S WAUKEGAN RD
300 S WAUKEGAN RD
LAKE FOREST HIGH SCHOOL
RELOCATE EXISTING MAILBOX
REMOVE AND REINSTALL BRICK PAVER
DRIVEWAY PAVEMENT REMOVAL
FIRE HYDRANT TO BE REMOVED
HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
TREE REMOVAL (TYP)
STORM SEWER REMOVAL 12"
REMOVE EXISTING WATER VALVE
VALVE BOXES TO BE REMOVED
WATER MAIN REMOVAL, 8"
SIDEWALK REMOVAL (TYP)
PAVEMENT REMOVAL (TYP)
MEDIAN REMOVAL
CLASS D PATCHES, TYPE II, 10 INCH
RAISED REFLECTIVE PAVEMENT MARKER REMOVAL (TYP)
STORM SEWER REMOVAL 12"
STORM SEWER REMOVAL 12"
COMBINATION CURB AND GUTTER REMOVAL (TYP)
POWER POLE RELOCATION BY OTHERS
POWER POLE RELOCATION BY OTHERS
UTILITY POLE RELOCATION BY OTHERS
MATCH LINE STA. 11+00.00 SEE WESTLEIGH ROAD PLANS
1041 BARRYS CT
1036 BARRYS CT
1030 W WESTLEIGH RD

NOTE:
RESIDENTS SHALL BE NOTIFIED 72 HOURS PRIOR TO DRIVEWAY REMOVAL

LEGEND
- PAVEMENT REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- CLASS D PATCHES
- DRIVEWAY PAVEMENT REMOVAL
- MEDIAN REMOVAL
- SIDEWALK REMOVAL
- REMOVE AND REINSTALL BRICK PAVER
- COMBINATION CURB AND GUTTER REMOVAL
- UTILITY TO BE REMOVED
- PAVEMENT MARKING REMOVAL - WATER BLASTING
- RAISED REFLECTIVE PAVEMENT MARKER REMOVAL
- ADJ DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED
- REC DRAINAGE & UTILITY STRUCTURES TO BE RECONSTRUCTED
- SP FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)
- R DRAINAGE STRUCTURE TO BE REMOVED
- STUMP REMOVAL
- RELOCATE SIGN (SEE SHEETS 62-65)
- RELOCATE EXISTING MAILBOX
- TREE TRUNK PROTECTION TREE ROOT PRUNING

GEWALT HAMILTON ASSOCIATES, INC.

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PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

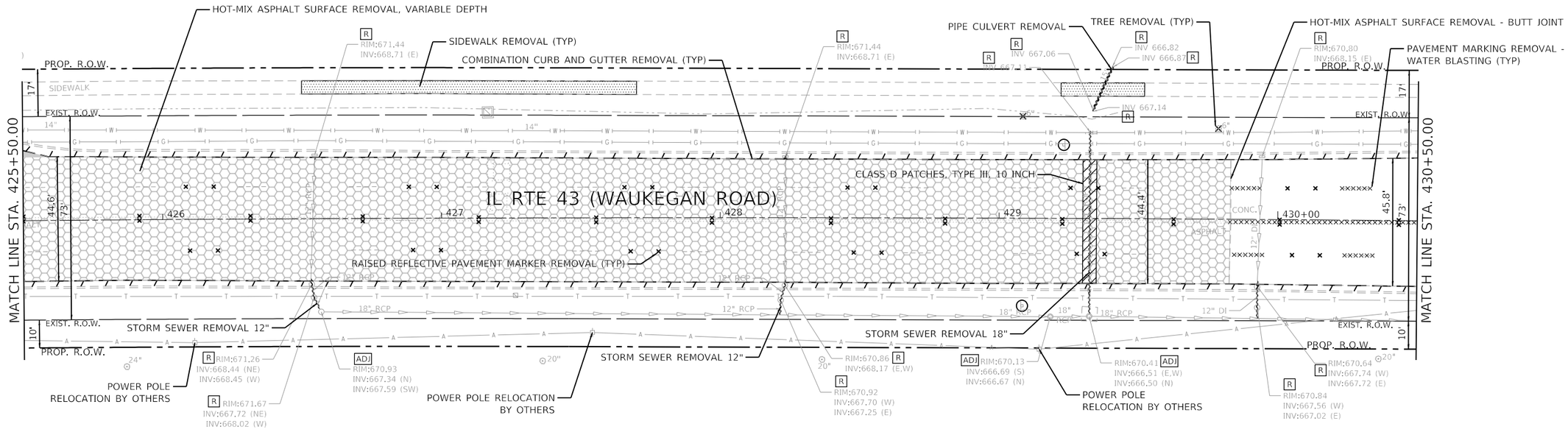
EXISTING CONDITIONS /REMOVAL PLANS
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

SCALE: 1"=20' | SHEET 1 OF 4 SHEETS | STA. 415+50.00 TO STA. 425+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	26
		CONTRACT NO. 61L42		
	ILLINOIS	FED. AID PROJECT		

LAKE FOREST HIGH SCHOOL

300 S WAUKEGAN RD

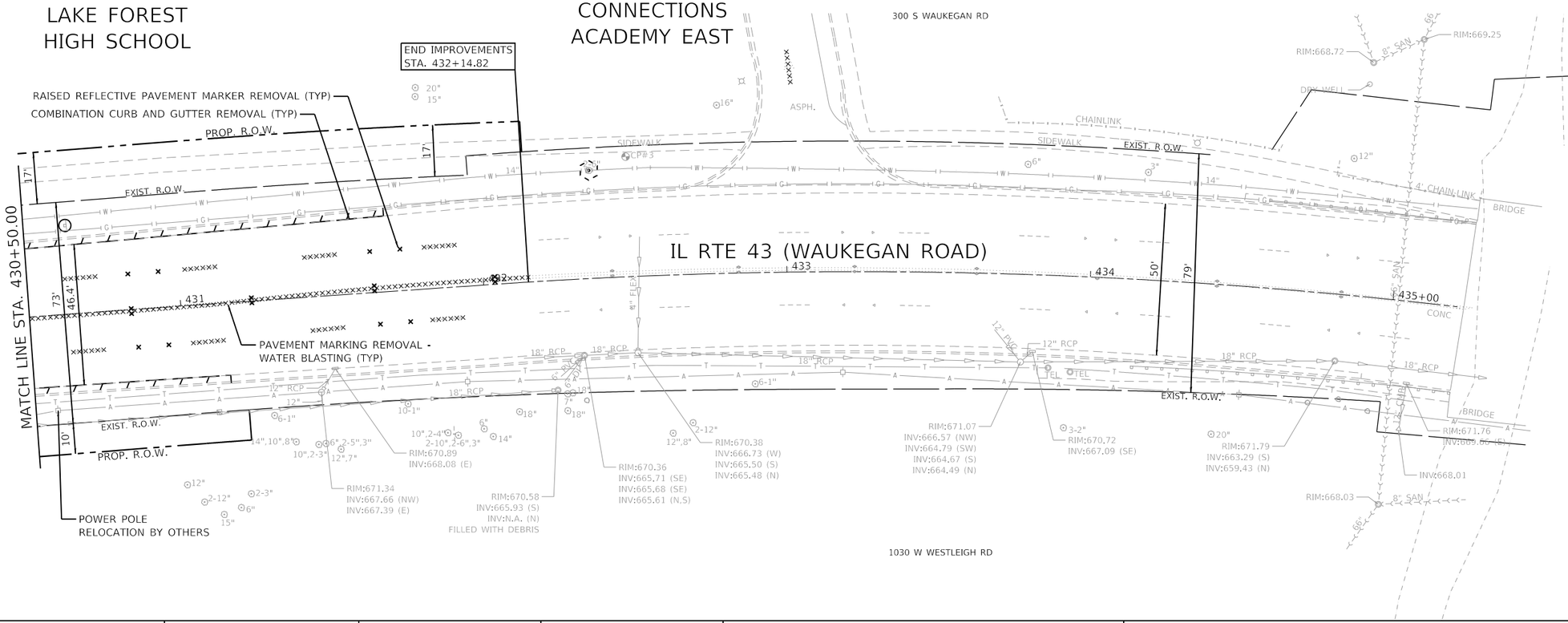


1030 W WESTLEIGH RD

LAKE FOREST HIGH SCHOOL

CONNECTIONS ACADEMY EAST

300 S WAUKEGAN RD



1030 W WESTLEIGH RD

LEGEND

- PAVEMENT REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- CLASS D PATCHES
- DRIVEWAY PAVEMENT REMOVAL
- MEDIAN REMOVAL
- SIDEWALK REMOVAL
- REMOVE AND REINSTALL BRICK PAVER
- COMBINATION CURB AND GUTTER REMOVAL
- UTILITY TO BE REMOVED
- PAVEMENT MARKING REMOVAL - WATER BLASTING
- RAISED REFLECTIVE PAVEMENT MARKER REMOVAL
- ADJ DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED
- REC DRAINAGE & UTILITY STRUCTURES TO BE RECONSTRUCTED
- SP FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)
- R DRAINAGE STRUCTURE TO BE REMOVED
- STUMP REMOVAL
- RELOCATE SIGN (SEE SHEETS 62-65)
- RELOCATE EXISTING MAILBOX
- TREE TRUNK PROTECTION TREE ROOT PRUNING

GEWALT HAMILTON ASSOCIATES, INC.

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	DRAWN - GHA	REVISED -	
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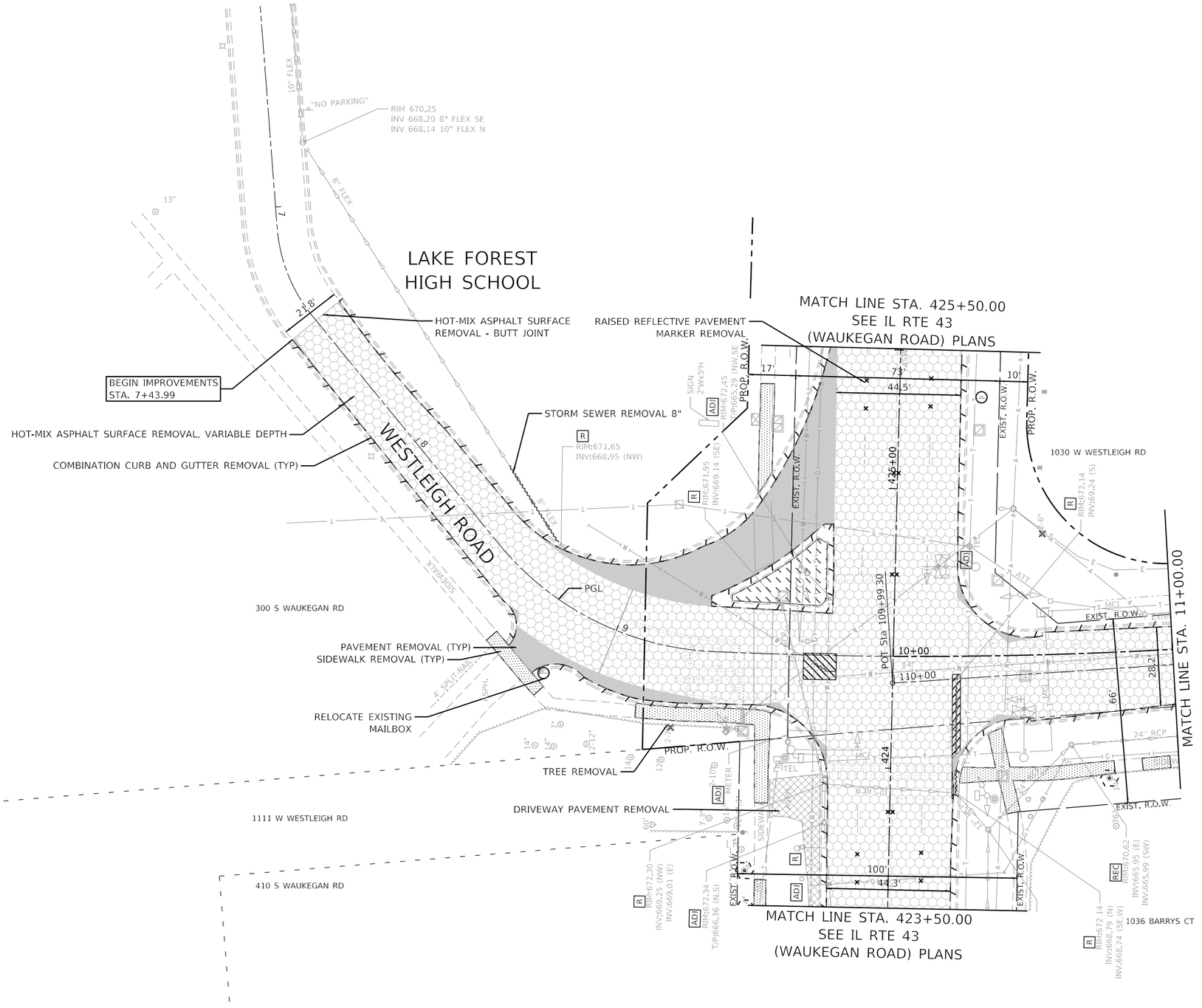
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING CONDITIONS /REMOVAL PLANS
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

SCALE: 1"=20 | SHEET 2 OF 4 SHEETS | STA. 425+50.00 TO STA. 435+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	27
		CONTRACT NO. 61L42		
	ILLINOIS FED. AID PROJECT			



NOTE:
RESIDENTS SHALL BE NOTIFIED 72 HOURS PRIOR TO DRIVEWAY REMOVAL

LEGEND

- PAVEMENT REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- CLASS D PATCHES
- DRIVEWAY PAVEMENT REMOVAL
- MEDIAN REMOVAL
- SIDEWALK REMOVAL
- REMOVE AND REINSTALL BRICK PAVER
- COMBINATION CURB AND GUTTER REMOVAL
- UTILITY TO BE REMOVED
- PAVEMENT MARKING REMOVAL - WATER BLASTING
- RAISED REFLECTIVE PAVEMENT MARKER REMOVAL
- ADJ — DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED
- REC — DRAINAGE & UTILITY STRUCTURES TO BE RECONSTRUCTED
- SP — FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)
- R — DRAINAGE STRUCTURE TO BE REMOVED
- STUMP REMOVAL
- RELOCATE SIGN (SEE SHEETS 62-65)
- RELOCATE EXISTING MAILBOX
- TREE TRUNK PROTECTION
- TREE ROOT PRUNING

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: Default
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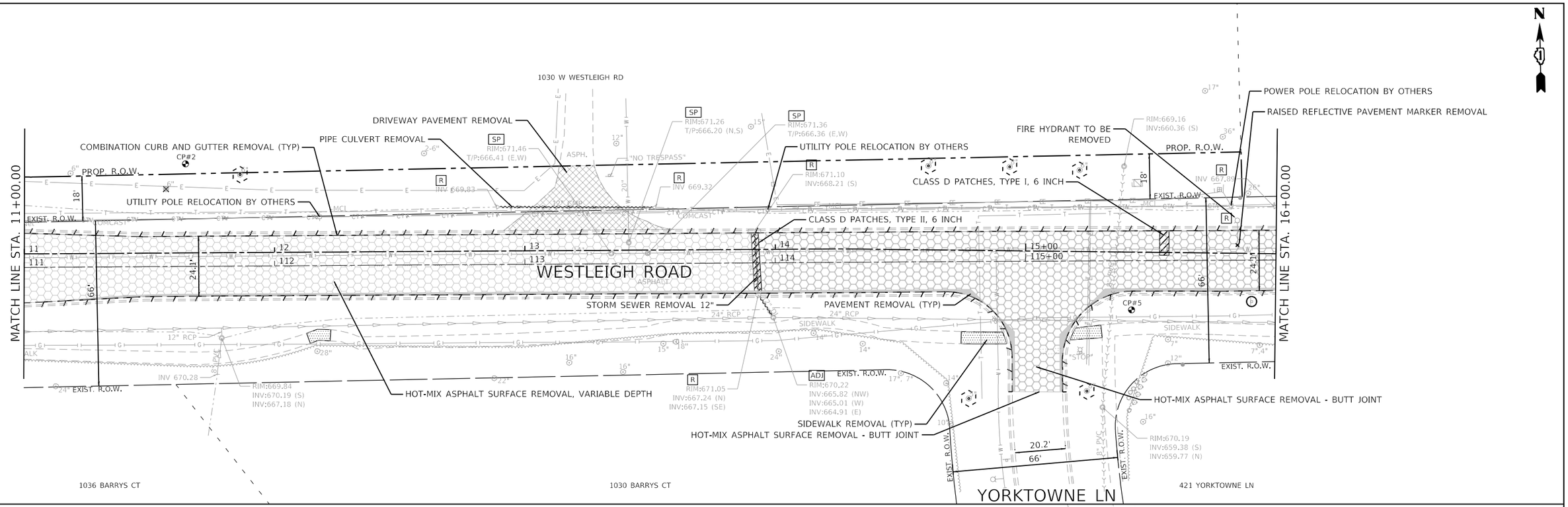
	DRAWN - GHA	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KLB	REVISED -	
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING CONDITIONS /REMOVAL PLANS
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

SCALE: 1"=20' | SHEET 3 OF 4 SHEETS | STA. 6+50.00 TO STA. 11+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	28
		CONTRACT NO. 61L42		
	ILLINOIS FED. AID PROJECT			



NOTE:
RESIDENTS SHALL BE NOTIFIED 72 HOURS PRIOR TO DRIVEWAY REMOVAL

LEGEND

- PAVEMENT REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- CLASS D PATCHES
- DRIVEWAY PAVEMENT REMOVAL
- MEDIAN REMOVAL
- SIDEWALK REMOVAL
- REMOVE AND REINSTALL BRICK PAVER
- COMBINATION CURB AND GUTTER REMOVAL
- UTILITY TO BE REMOVED
- PAVEMENT MARKING REMOVAL - WATER BLASTING
- RAISED REFLECTIVE PAVEMENT MARKER REMOVAL
- ADJ — DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED
- REC — DRAINAGE & UTILITY STRUCTURES TO BE RECONSTRUCTED
- SP — FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)
- R — DRAINAGE STRUCTURE TO BE REMOVED
- STUMP REMOVAL
- RELOCATE SIGN (SEE SHEETS 62-65)
- RELOCATE EXISTING MAILBOX
- TREE TRUNK PROTECTION
  TREE ROOT PRUNING

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: Default
FILE NAME: G:\4600\4664\000 Lake Forest\4664-310 IL 43 at Westleigh\MicrostationSheets\4664-410-Westleigh-pht-removal 2.dgn

USER NAME = dolesak	DESIGNED - KLB	REVISED -	
	DRAWN - GHA	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KLB	REVISED -	
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING CONDITIONS /REMOVAL PLANS
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

SCALE: 1"=20' | SHEET 4 OF 4 SHEETS | STA. 11+00.00 TO STA. 17+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	29
		CONTRACT NO. 61L42		
	ILLINOIS FED. AID PROJECT			

490 S WAUKEGAN RD

488 S WAUKEGAN RD

1300 GAVIN CT

1300 GAVIN CT

N

HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8" (PE), 10" (CE)
AGGREGATE BASE COURSE, TYPE B 4"
(TYP)

PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH (8" WITHIN DRIVEWAYS)
AGGREGATE BASE COURSE, TYPE B 4"
(TYP)

PAVEMENT WIDENING (SEE TYPICAL SECTIONS)
(TYP)

416+69.70
49.33' LT

79.61' HMA

+21.60' PE HMA

418+32.27
48.60' LT

419+17.71
48.10' LT

419+42.78
47.89' LT

EXIST. R.O.W.

EXIST. R.O.W.

416+74.68
44.42' LT

416+84.53
44.45' LT

418+15.88
43.77' LT

418+27.25
43.57' LT

COMBINATION CONCRETE
CURB & GUTTER, TYPE B-6.24

416+58.53
21.69' LT

416+73.80
21.62' LT

+63.44'

+20.37'

+02.10'

+61.79'

+06.77'

419+48.73
27.50' LT

27.5'

100'

416

417

418

PGL

419

420+00

44.1'

44.41'

416+58.53
22.49' RT

416+73.72
22.58' RT

419+48.80
27.50' RT

HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT

COMBINATION CONCRETE
CURB & GUTTER, TYPE B-6.24

EXIST. R.O.W.

EXIST. R.O.W.

HOT-MIX ASPHALT RESURFACING (SEE TYPICAL SECTIONS)
(TYP)

BEGIN IMPROVEMENTS
STA. 416+58.53

MATCH LINE STA. 420+50.00

1050 NEWCASTLE DR

1031 BARRYS CT

1041 BARRYS CT

LEGEND

- PAVEMENT WIDENING (SEE TYPICAL SECTIONS)
- HOT-MIX ASPHALT RESURFACING (SEE TYPICAL SECTIONS)
- CLASS D PATCHES
- HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8" (PE), 10" (CE) AGGREGATE BASE COURSE, TYPE B 4"
- REMOVE AND REINSTALL BRICK PAVER AGGREGATE BASE COURSE, TYPE B 4"
- PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6" (CE), 8" (CE) AGGREGATE BASE COURSE, TYPE B 4"
- PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH (8" WITHIN DRIVEWAYS) AGGREGATE BASE COURSE, TYPE B 4"
- PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED) AGGREGATE SUBGRADE IMPROVEMENT 12"
- DETECTABLE WARNINGS (SPECIAL)
- COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24

∗ PAVEMENT WIDENING ≤ 6' USE PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 7.5"

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

PROFILE
SURVEYED
PLOTTED
ADDRESS CHECKED
B.M. NOTED
STRUCTURE NO.
STA'NG CHKD
BY
DATE

IL RTE 43 (WAUKEGAN ROAD)

680 / 675 / 670 / 665 / 660

674.50 | 674.43 | 674.35 | 674.21 / 674.23 | 674.11 / 674.08 | 673.99 / 673.93 | 673.84 / 673.78 | 673.74 / 673.74 | 673.62 / 673.91 | 673.53 / 673.89 | 673.45 / 673.75

415+50 | 416+00 | 416+50 | 417+00 | 417+50 | 418+00 | 418+50 | 419+00 | 419+50 | 420+00 | 420+50

674.33

0.16%

VPI STA. 416+73.80
ELEVATION 674.31

-0.30%

EXISTING GRADE AT PGL

PGL

51.50 EL. 673.77

75.00' V.C.

-0.30%

+0.45%

VPI STA. 418+89.00
ELEVATION 673.66

+0.45%

+26.50 EL. 673.83
+27.50 EL. 673.83

75.00' V.C.

VPI STA. 419+65.00
ELEVATION 674.00

-0.30%

+02.50 EL. 673.89

V:1"=5'

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: Default
FILE NAME: G:\4600\d664.000 Lake Forest\d664.410 IL 43 at Westleigh\Microstation\Sheets\d664-410-IL 43-sht-pdnprf 1.dgn

USER NAME = dolesak	DESIGNED - KLB	REVISED -
	DRAWN - GHA	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - KLB	REVISED -
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

SCALE: H: 1"=20' | SHEET 1 OF 7 SHEETS | STA. 415+50.00 | TO STA. 420+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	30
		CONTRACT NO. 61L42		
		ILLINOIS	FED. AID PROJECT	

LAKE FOREST HIGH SCHOOL

1300 GAVIN CT | 410 S WAUKEGAN RD | 300 S WAUKEGAN RD

SEE WESTLEIGH ROAD PLANS
MATCH LINE STA. 9+00.00

HOT-MIX ASPHALT WIDENING (SEE TYPICAL SECTIONS) (TYP)

REMOVE AND REINSTALL BRICK PAVER AGGREGATE BASE COURSE, TYPE B 4"

COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24

10' TRANSITION B-6.24 TO B-6.12

EXIST. R.O.W.

SIDEWALK

421+74.87 46.59' LT

422+00.68 44.65' LT

423+86.57 48.40' LT

424+16.05 91.85' LT

424+24.67 83.55' LT

425+36.34 49.70' LT

425+07.24 41.00' LT

425+38.64 38.50' LT

PROP. R.O.W.

423+46.38 27.50' LT

423+98.56 34.49' LT

CLASS D PATCHES, TYPE II, 10 INCH

423+50.83 27.50' RT

423+71.83 29.72' RT

423+85.61 46.68' RT

424+92.28 34.90' RT

424+12.49 65.75' RT

424+63.15 67.47' RT

423+99.95 80.34' RT

425+47.80 27.50' RT

PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH AGGREGATE BASE COURSE, TYPE B 4" (TYP)

DETECTABLE WARNINGS (TYP)

HOT-MIX ASPHALT RESURFACING (SEE TYPICAL SECTIONS) (TYP)

MATCH LINE STA. 420+50.00

MATCH LINE STA. 425+50.00

PGL

421 | 422 | 423 | 424 | 425+00

1041 BARRYS CT | 1036 BARRYS CT | 1030 W WESTLEIGH RD

MATCH LINE STA. 11+00.00
SEE WESTLEIGH ROAD PLANS

LEGEND

- PAVEMENT WIDENING (SEE TYPICAL SECTIONS)
- HOT-MIX ASPHALT RESURFACING (SEE TYPICAL SECTIONS)
- CLASS D PATCHES
- HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8" (PE), 10" (CE) AGGREGATE BASE COURSE, TYPE B 4"
- REMOVE AND REINSTALL BRICK PAVER AGGREGATE BASE COURSE, TYPE B 4"
- PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6" (CE), 8" (CE) AGGREGATE BASE COURSE, TYPE B 4"
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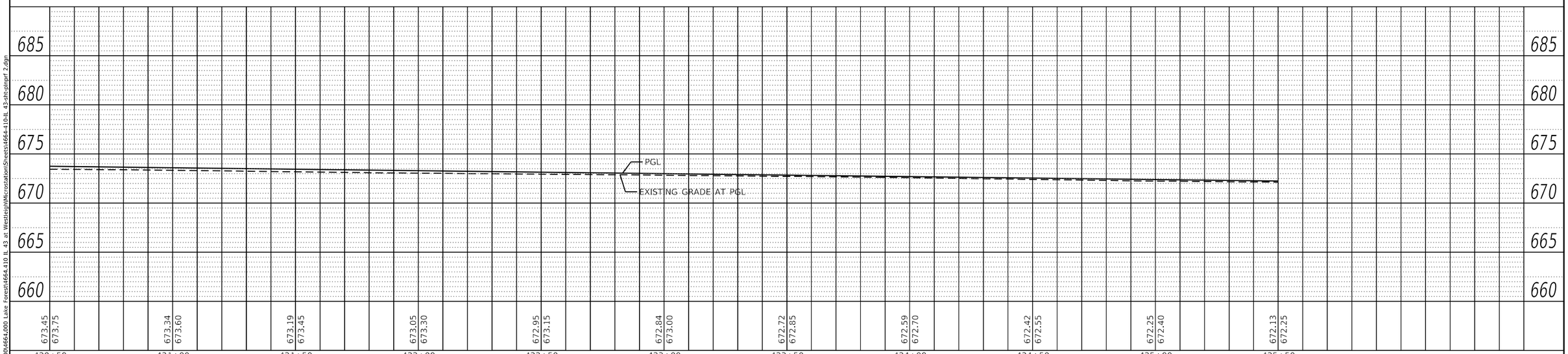
- PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED) AGGREGATE SUBGRADE IMPROVEMENT 12"
- DETECTABLE WARNINGS (SPECIAL)
- COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24

∗PAVEMENT WIDENING ≤ 6' USE PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 7.5"

IL RTE 43 (WAUKEGAN ROAD)



V:1"=5'

USER NAME = dolesak	DESIGNED - KLB	REVISED -	
	DRAWN - GHA	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KLB	REVISED -	
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

SCALE: H: 1"=20' | SHEET 2 OF 7 SHEETS | STA. 420+50.00 | TO STA. 425+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	31
		CONTRACT NO. 61L42		
	ILLINOIS FED. AID PROJECT			

GEWALT HAMILTON ASSOCIATES, INC.

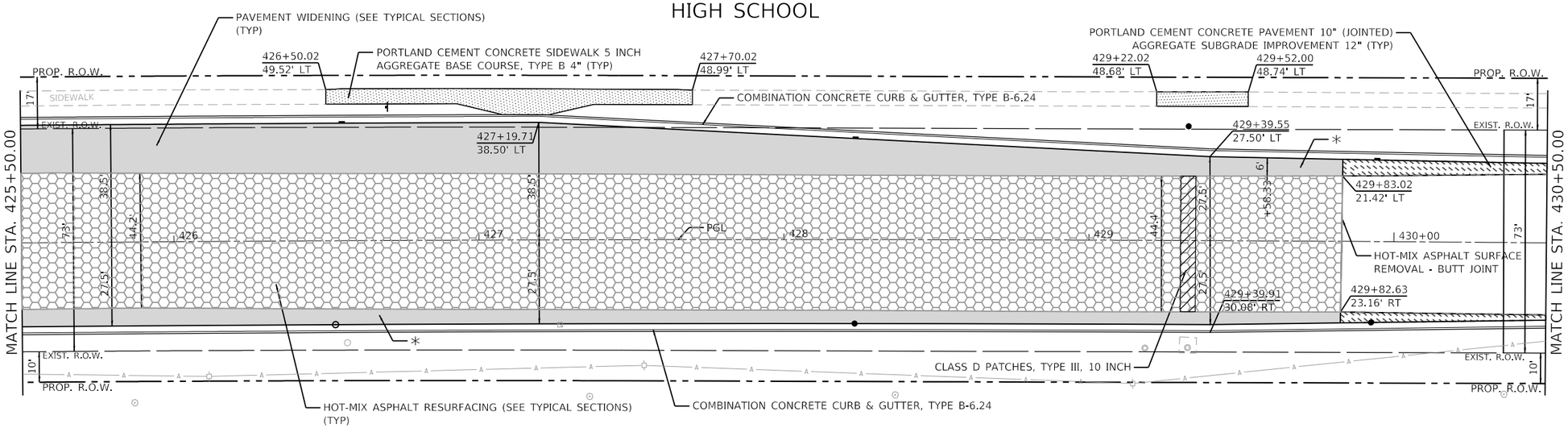
MODEL: Default
FILE NAME: G:\4600\4664.000 Lake Forest\4664.410 IL 43 at Westleigh\Microstation\Sheets\4664-410-IL 43-sht-plnprf 2.dgn

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

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

300 S WAUKEGAN RD

LAKE FOREST HIGH SCHOOL



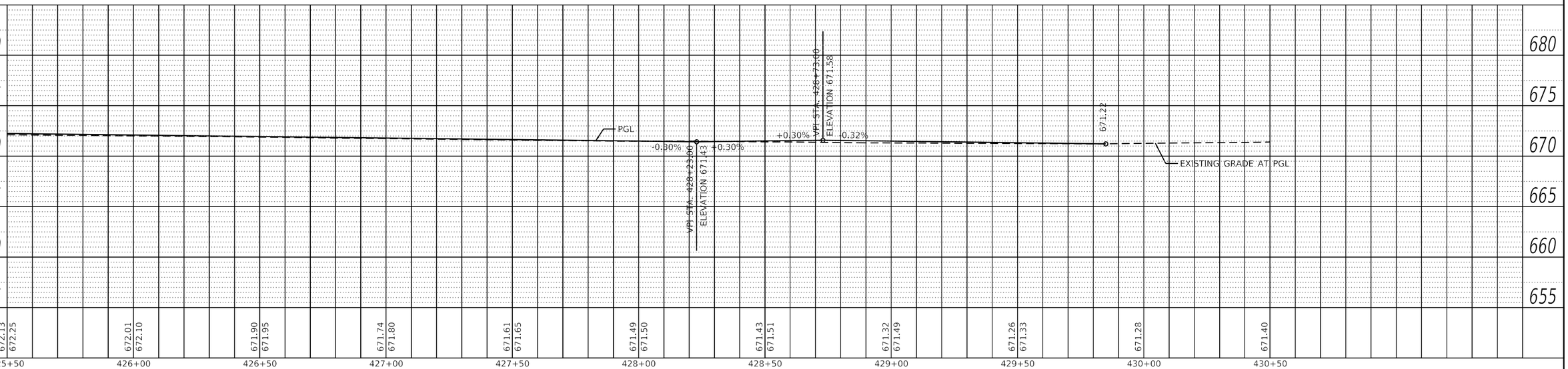
1030 W WESTLEIGH RD

LEGEND

- PAVEMENT WIDENING (SEE TYPICAL SECTIONS)
- HOT-MIX ASPHALT RESURFACING (SEE TYPICAL SECTIONS)
- CLASS D PATCHES
- HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8" (PE), 10" (CE) AGGREGATE BASE COURSE, TYPE B 4"
- REMOVE AND REINSTALL BRICK PAVER AGGREGATE BASE COURSE, TYPE B 4"
- PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6" (CE), 8" (CE) AGGREGATE BASE COURSE, TYPE B 4"
- PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH (8" WITHIN DRIVEWAYS) AGGREGATE BASE COURSE, TYPE B 4"
- PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED) AGGREGATE SUBGRADE IMPROVEMENT 12"
- DETECTABLE WARNINGS (SPECIAL)
- COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24

* PAVEMENT WIDENING ≤ 6' USE PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 7.5"

IL RTE 43 (WAUKEGAN ROAD)



USER NAME = dolesak	DESIGNED - KLB	REVISED -	
	DRAWN - GHA	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KLB	REVISED -	
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

SCALE: H: 1"=20' | SHEET 3 OF 7 SHEETS | STA. 425+50.00 | TO STA. 430+50.00
V:1"=5'

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	32
		CONTRACT NO. 61L42		
		ILLINOIS	FED. AID PROJECT	

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: Default
FILE NAME: G:\4600\4664.000 Lake Forest\4664.410 IL 43 at Westleigh\Microstation\Sheets\4664-410-IL 43-sht-plnprf 3.dgn

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

PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, B.M. NOTED, STRUCTURE NOTATIONS CHKD, BY, DATE

LAKE FOREST
HIGH SCHOOL

CONNECTIONS
ACADEMY EAST

300 S WAUKEGAN RD

1030 W WESTLEIGH RD

COMBINATION CONCRETE
CURB & GUTTER, TYPE B-6.24

PROP. R.O.W.

17'

17'

EXIST. R.O.W.

SIDEWALK

SIDEWALK

EXIST. R.O.W.

MATCH LINE STA. 430+50.00

431+68.62
24.94' LT

PORTLAND CEMENT CONCRETE
PAVEMENT 10" (JOINTED)
AGGREGATE SUBGRADE IMPROVEMENT 12"
(TYP)

73'

46.4'

431

432

PGL

433

434

50'

79'

435+00

431+14.79
23.87' RT

EXIST. R.O.W.

10'

PROP. R.O.W.

COMBINATION CONCRETE
CURB & GUTTER, TYPE B-6.24

END IMPROVEMENTS
STA. 432+14.82

EXIST. R.O.W.

N

LEGEND

- PAVEMENT WIDENING (SEE TYPICAL SECTIONS)
- HOT-MIX ASPHALT RESURFACING (SEE TYPICAL SECTIONS)
- CLASS D PATCHES
- HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8" (PE), 10" (CE) AGGREGATE BASE COURSE, TYPE B 4"
- REMOVE AND REINSTALL BRICK PAVER AGGREGATE BASE COURSE, TYPE B 4"
- PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6" (CE), 8" (CE) AGGREGATE BASE COURSE, TYPE B 4"
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- DETECTABLE WARNINGS (SPECIAL)
- COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24

PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
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NOTE BOOK
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BY
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PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATIONS CHKD
NOTE BOOK
NO.
BY
DATE

MODEL: Default
FILE NAME: G:\4600\d664-000 Lake Forest\d664-410 IL 43 at Westleigh\Microstation\Sheets\d664-410-IL 43-sht-plnprf 4.dgn

GEWALT HAMILTON ASSOCIATES, INC.

IL RTE 43 (WAUKEGAN ROAD)

EXISTING GRADE AT PGL

680 675 670 665 660 655

671.40 671.52 671.43 671.34 671.31 671.30 671.49 671.70 672.18 672.65

430+50 431+00 431+50 432+00 432+50 433+00 433+50 434+00 434+50 435+00

V:1"=5'

USER NAME = dolesak	DESIGNED - KLB	REVISED -	
	DRAWN - GHA	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KLB	REVISED -	
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

SCALE: H: 1"=20' | SHEET 4 OF 7 SHEETS | STA. 430+50.00 | TO STA. 435+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	33
		CONTRACT NO. 61L42		
		ILLINOIS	FED. AID PROJECT	

LAKE FOREST
HIGH SCHOOL

HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT

7+43.99
10.80' LT

7+43.99
10.90' RT

BEGIN IMPROVEMENTS
STA. 7+43.99

7+84.95
13.54' LT

COMBINATION CONCRETE
CURB & GUTTER, TYPE B-6.12

PAVEMENT WIDENING
(SEE TYPICAL SECTIONS) (TYP)

HOT-MIX ASPHALT RESURFACING
(SEE TYPICAL SECTIONS) (TYP)

COMBINATION CONCRETE
CURB & GUTTER, TYPE B-6.12

8+84.63
28.62' LT

9+49.26
47.73' LT

8+43.99
17.50' RT

8+47.37
17.50' RT

300 S WAUKEGAN RD

PGL

8+66.24
27.38' RT

8+71.44
28.61' RT

PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
(8" WITHIN DRIVEWAYS)
AGGREGATE BASE COURSE, TYPE B 4"

+75.99
PE HMA

8+80.44
31.67' RT

8+85.75
33.82' RT

9+50.31
22.56' RT

PROP. R.O.W.

1111 W WESTLEIGH RD

410 S WAUKEGAN RD

SIGN
2'Wx5'H

EXIST. R.O.W.

PROP. R.O.W.

MATCH LINE STA. 425+50.00
SEE IL RTE 43
(WAUKEGAN ROAD) PLANS

1030 W WESTLEIGH RD

DELINEATION BETWEEN IL ROUTE 43
AND WESTLEIGH ROAD PAVEMENT
SECTION (TYP)

10+50.00
29.77' LT

10+50.00
36.39' RT

EXIST. R.O.W.

IL RTE 43 (WAUKEGAN ROAD)
425+00

MATCH LINE STA. 11+00.00

1036 BARRYS CT

WESTLEIGH ROAD

MATCH LINE STA. 423+50.00
SEE IL RTE 43
(WAUKEGAN ROAD) PLANS

LEGEND

- PAVEMENT WIDENING (SEE TYPICAL SECTIONS)
- HOT-MIX ASPHALT RESURFACING (SEE TYPICAL SECTIONS)
- CLASS D PATCHES
- HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8" (PE), 10" (CE) AGGREGATE BASE COURSE, TYPE B 4"
- REMOVE AND REINSTALL BRICK PAVER AGGREGATE BASE COURSE, TYPE B 4"
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- DETECTABLE WARNINGS (SPECIAL)
- COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24

* PAVEMENT WIDENING ≤ 6' USE PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 7"

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

PROFILE
SURVEYED
PLOTTED
GRADE CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
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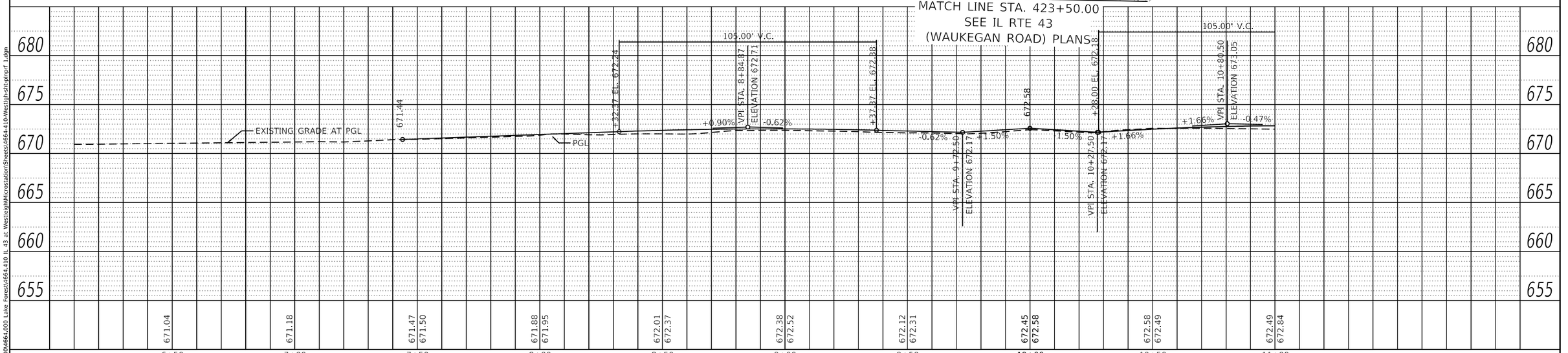


USER NAME = dolesak	DESIGNED - KLB	REVISED -	
	DRAWN - GHA	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KLB	REVISED -	
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

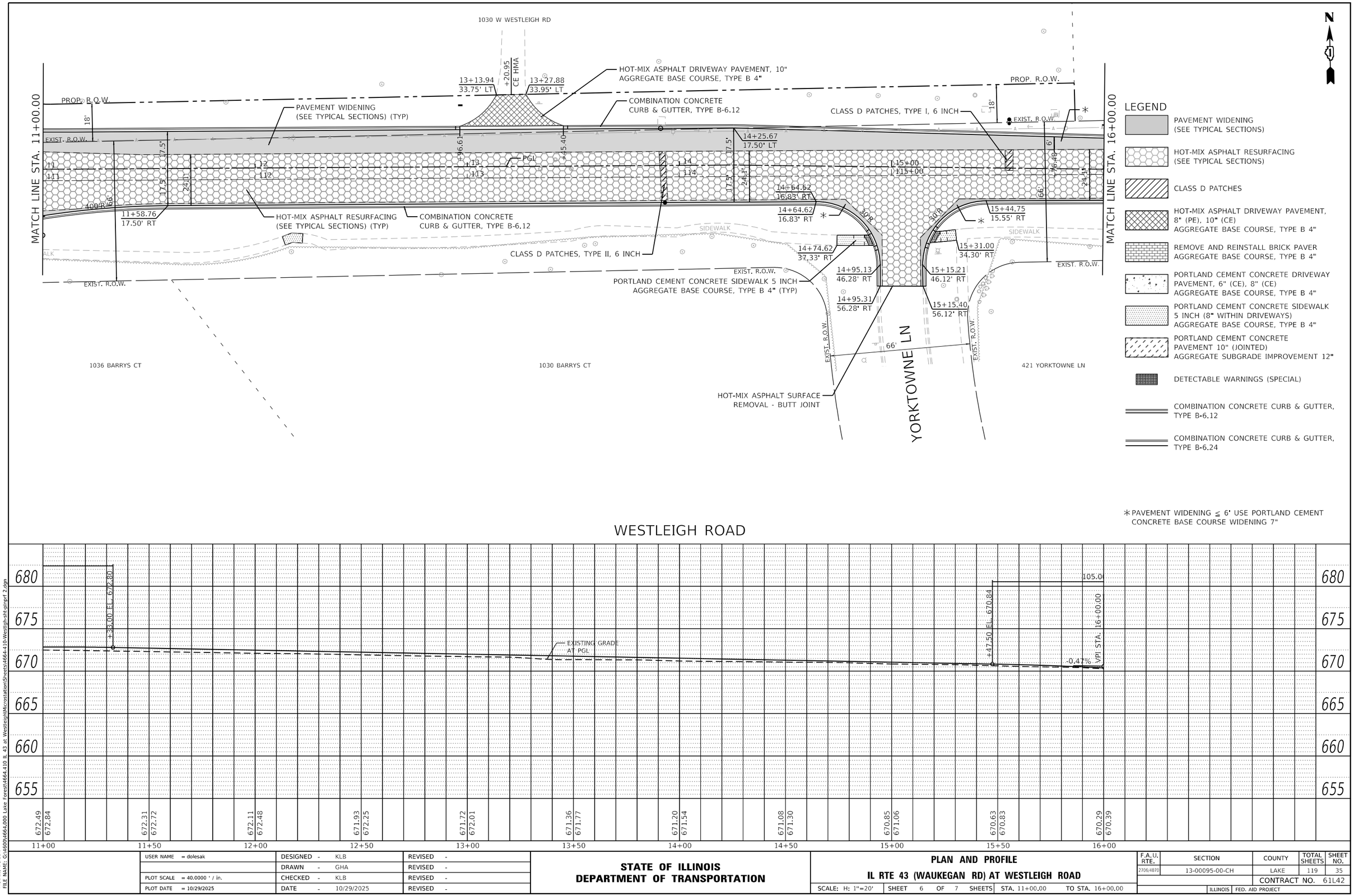
PLAN AND PROFILE
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

SCALE: H: 1"=20' | SHEET 5 OF 7 SHEETS | STA. 6+50.00 | TO STA. 11+00.00
V:1"=5'

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	34
		CONTRACT NO. 61L42		
		ILLINOIS	FED. AID PROJECT	

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: Default
FILE NAME: G:\l4600\e664.000 Lake Forest\d664-410 IL 43 at Westleigh\Microstation\Sheets\d664-410-Westlgh-sht-plnprf 1.dgn



∗PAVEMENT WIDENING ≤ 6' USE PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 7"

WESTLEIGH ROAD

USER NAME = dolesak	DESIGNED - KLB	REVISED -	**STATE OF ILLINOIS**
	DRAWN - GHA	REVISED -	**DEPARTMENT OF TRANSPORTATION**
PLOT SCALE = 40.0000 ' / in.	CHECKED - KLB	REVISED -	
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -	

PLAN AND PROFILE

IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

SCALE: H: 1"=20' | SHEET 6 OF 7 SHEETS | STA. 11+00.00 | TO STA. 16+00.00

V:1"=5'

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	35
		CONTRACT NO. 61L42		
		ILLINOIS	FED. AID PROJECT	

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

PROFILE — SURVEYED | PLOTTED | ABSENT CHECKED | B.M. NOTED | STRUCTURE NOTATIONS CHKD | NOTE BOOK | NO. | BY | DATE

GEWALT HAMILTON ASSOCIATES, INC.

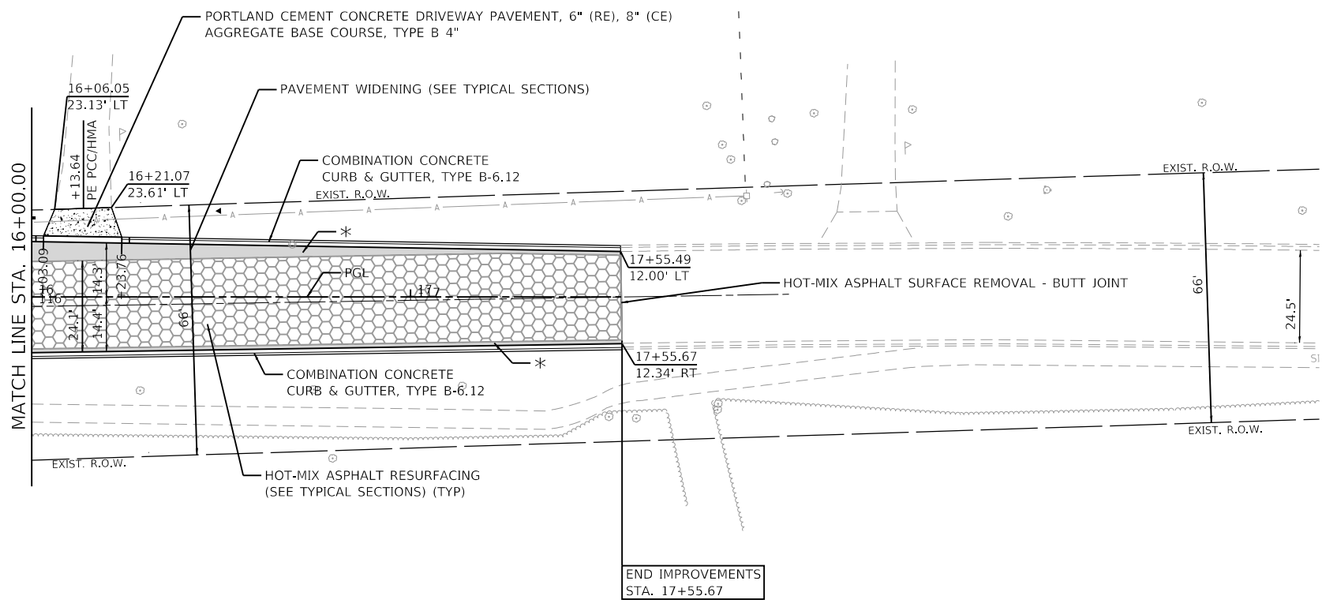
MODEL: Default
FILE NAME: G:\4600\d664\000 Lake Forest\d664-410 IL 43 at Westleigh\Microstation\Sheets\d664-410-Westlgh-sht-plnprf 2.dgn

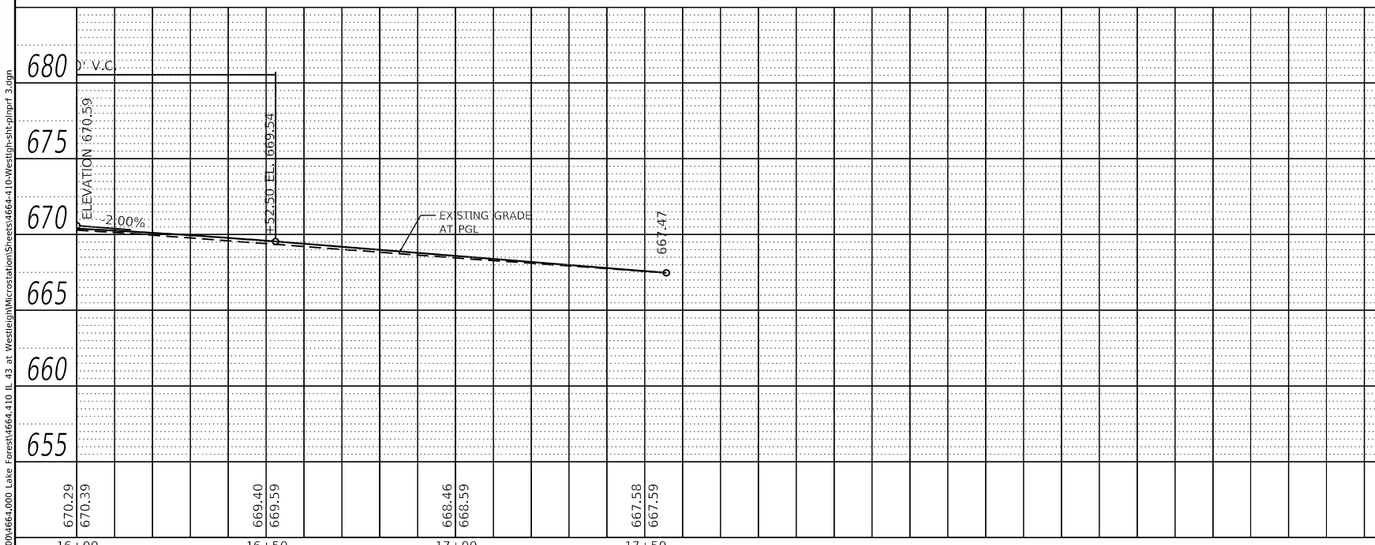
990 W WESTLEIGH RD

960 W WESTLEIGH RD

421 YORKTOWNE LN

WESTLEIGH ROAD





LEGEND

- PAVEMENT WIDENING (SEE TYPICAL SECTIONS)
- HOT-MIX ASPHALT RESURFACING (SEE TYPICAL SECTIONS)
- CLASS D PATCHES
- HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8" (PE), 10" (CE) AGGREGATE BASE COURSE, TYPE B 4"
- REMOVE AND REINSTALL BRICK PAVER AGGREGATE BASE COURSE, TYPE B 4"
- PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6" (CE), 8" (CE) AGGREGATE BASE COURSE, TYPE B 4"
- PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH (8" WITHIN DRIVEWAYS) AGGREGATE BASE COURSE, TYPE B 4"
- PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED) AGGREGATE SUBGRADE IMPROVEMENT 12"
- DETECTABLE WARNINGS (SPECIAL)
- COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24

* PAVEMENT WIDENING ≤ 6' USE PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 7"

PLAN
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GRADES CHECKED
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STRUCTURE NOTATIONS CHKD
NOTE BOOK
NO.
BY
DATE

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: Default
FILE NAME: G:\4600\d664.000 Lake Forest\d664.410 IL 43 at Westleigh\Microstation\Sheets\d664-410-Westlgh-sht-plnprf 3.dgn

USER NAME = dolesak	DESIGNED - KLB	REVISED -	
	DRAWN - GHA	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KLB	REVISED -	
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

SCALE: H: 1"=20' | SHEET 7 OF 7 SHEETS | STA. 16+00.00 | TO STA. 17+50.00
V:1"=5'

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	36
		CONTRACT NO. 61L42		
	ILLINOIS	FED. AID PROJECT		

MAINTENACE OF TRAFFIC GENERAL NOTES

1. NO WORK SHALL BEGIN UNTIL THE TRAFFIC CONTROL MEASURES ARE IN PLACE. THE CONTRACTOR SHALL AT ALL TIMES PROVIDE TRAFFIC PROTECTION BY THE APPLICATION OF TRAFFIC CONTROL DEVICES ACCORDING TO THE "STANDARD SPECIFICATIONS" AND APPLICABLE STATE HIGHWAY STANDARDS.

2. THE PERMANENT TRAFFIC CONTROL SHOWN ON THE PLANS IS THE MINIMUM REQUIREMENT. ADDITIONAL TRAFFIC CONTROL DEVICES AS SPECIFIED BY THE HIGHWAY STANDARDS AND THE SPECIAL PROVISIONS SHALL BE PLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER. ALL TRAFFIC CONTROL DEVICES SHALL BE CONSIDERED INCLUDED IN THE LUMP SUM PAY ITEM "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)" UNLESS OTHERWISE SHOWN ON THE PLANS OR SPECIAL PROVISIONS.

3. ALL TRAFFIC CONTROL WARNING SIGNS AND ASSOCIATED SIGNING MOUNTED WITH THE WARNING SIGNS SHALL HAVE BLACK LEGENDS AND BORDERS FLUORESCENT ORANGE REFLECTIVE SHEETING.

4. ALL CONSTRUCTION SIGNS, BARRICADES AND OTHER DEVICES REQUIRED TO CONTROL TRAFFIC SHALL BE FURNISHED, INSTALLED, AND MAINTAINED BY THE CONTRACTOR.

5. ALL TRAFFIC CONTROL DEVICES SHALL BE REMOVED, COVERED OR TURNED AWAY FROM TRAFFIC IMMEDIATELY WHEN THEY ARE NO LONGER NECESSARY. WHEN A SIGN IS COVERED, ITS POST SHALL HAVE A REFLECTIVE 3 INCH X 6 INCH DELINEATOR INSTALLED.

6. THE FIRST TWO WARNING SIGNS IN EACH DIRECTION OF TRAVEL SHALL BE EQUIPPED WITH MONO-DIRECTIONAL TYPE A AMBER FLASHING LIGHTS DURING HOURS OF DARKNESS, FLAGS ARE OPTIONAL.

7. TRAFFIC CONTROL DEPICTED IN THESE PLANS AND THE APPLICABLE IDOT DETAILS AND STANDARDS ARE THE MINIMUM REQUIREMENTS. OTHER WORK OR SIGNING MAY BE REQUIRED BY THE ENGINEER. TRAFFIC CONTROL AND PROTECTION SHALL BE PREFORMED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, DIVISION 700; APPLICABLE GUIDELINES IN THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREET AND HIGHWAYS; AND APPLICABLE HIGHWAY STANDARDS FOR TRAFFIC CONTROL, UNLESS HEREIN REVISED.

8. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND TRAFFIC CONTROL DEVICES SHALL FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

9. BARRICADES WILL BE REQUIRED ADJACENT TO PAVEMENT EDGES WHERE WIDENING, CURB AND GUTTER OR OVERLAYING WORK IS BEING DONE, AS SPECIFIED IN SECTION 701 OF THE STANDARD SPECIFICATIONS. SPACING SHALL BE AS SHOWN ON THE ILLINOIS STATE HIGHWAY STANDARDS UNLESS OTHERWISE DIRECTED BY THE ENGINEER. BARRICADES THAT MUST BE PLACED IN EXCAVATED AREAS SHALL HAVE LEG EXTENSIONS INSTALLED SUCH THAT THE TOPS OF THE BARRICADES ARE IN COMPLIANCE WITH THE HEIGHT REQUIREMENTS OF STANDARD 701901.

10. BARRICADES WILL BE REQUIRED AT ALL OPEN TRENCHES, EXCAVATIONS, OPEN OR EXPOSED SEWER STRUCTURES, AND AT ANY OTHER LOCATIONS DESIGNATED BY THE ENGINEER. BARRICADES SHALL BE PLACED AT 50' CENTERS ALONG TANGENTS, 20' ALONG TAPERS AND 10' AROUND RADII.

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

12. THE CONTRACTOR SHALL INFORM THE ENGINEER OF ANY STAGE CHANGE.

13. EXISTING TRAFFIC CONTROL SIGNS AND DEVICES SHALL BE REMOVED OR RELOCATED BY THE CONTRACTOR AFTER THE TRAFFIC CONTROL REQUIREMENTS ARE MET OR AS AUTHORIZED BY THE ENGINEER; ANY SIGNS OR DEVICES LEFT IN PLACE ARE TO BE PROTECTED FROM DAMAGE AND MAINTAINED. ANY DAMAGE CAUSED BY HIS WORK SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.

14. WHEN NECESSARY TO CLOSE ONE LANE OF THE ROADWAY ON TWO-LANE ROADS, THE CONTRACTOR SHALL MAINTAIN TWO-WAY TRAFFIC DURING THE RESTRICTED HOURS WITH THE USE OF SIGNS AND FLAGGERS AS SHOWN ON THE TRAFFIC CONTROL STANDARDS. WHEN NECESSARY TO CLOSE ONE LANE OF THE ROADWAY ON FOUR-LANE ROADS, THE CONTRACTOR SHALL MAINTAIN TWO-WAY TRAFFIC DURING THE RESTRICTED HOURS WITH THE USE OF SIGNS AND BARRICADES AS SHOWN ON THE TRAFFIC CONTROL STANDARDS. THE ENGINEER MAY WAIVE THE LANE CLOSURE TIME RESTRICTION AT HIS/HER DISCRETION.

15. "WORKERS" SIGNS SHALL ONLY BE ERECTED WHEN WORKERS ARE PRESENT. SIGN MUST BE COVERED OR REMOVED WHEN NO WORKERS ARE PRESENT FOR MORE THAN ONE HOUR. THIS WORK SHALL BE INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION", APPLICABLE STANDARD.

16. THE CONTRACTOR SHALL ERECT TEMPORARY STREET NAME SIGNS ON METAL POSTS THROUGHOUT CONSTRUCTION TO THE SATISFACTION OF THE ENGINEER. THE COST OF THESE SIGNS SHALL BE INCLUDED IN THE PAY ITEM "TRAFFIC CONTROL AND PROTECTION", APPLICABLE STANDARD.

17. CHANGEABLE MESSAGE SIGNS SHALL BE INSTALLED TWO WEEKS PRIOR TO ALL TRAFFIC STAGE CHANGE AND ACTIVATION OF TEMPORARY AND PROPOSED TRAFFIC SIGNALS ON EACH APPROACH OF THE EFFECTED ROADWAY TO WARN MOTORISTS OF THE UPCOMING EVENT. THE SIGNS SHALL BE REMOVED TWO WEEKS THEREAFTER UNLESS THE SIGNS ARE NEEDED AGAIN FOR A SUBSEQUENT FUTURE EVENT THAT WILL OCCUR WITHIN 2 WEEKS ON THE SAME APPROACH OF THE EFFECTED ROADWAY. THE SIGN LOCATIONS SHALL BE PLACED AS DIRECTED BY THE ENGINEER.

18. PROTECTION OF THE DROP-OFF SHALL BE ACCORDING TO THE IDOT BUREAU OF SAFETY PROGRAMS AND ENGINEERING, SAFETY ENGINEERING POLICY MEMORANDUM 4-21. DROP-OFFS GREATER THAN OR EQUAL TO 12" AT LOCATIONS WHERE THE DROP-OFF IS LOCATED WITHIN 8 FT OF THE EDGE OF THE TRAVEL LANE SHALL BE BACKFILLED IN ACCORDANCE WITH TABLE 2, CONDITION II OF THE SAFETY 4-21 POLICY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT THE DROP-OFF AREAS MEET THE OFFSET, HEIGHT, AND DURATION REQUIREMENTS TO USE BARRICADES AT THE END OF EACH WORKDAY. THIS MAY REQUIRE THE CONTRACTOR TO REPLACE OR PLACE SUFFICIENT MATERIAL IN THE EXCAVATION TO REDUCE THE DROP-OFF TO BE COMPLIANT WITH THE REQUIREMENTS FOR USE OF BARRICADES. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED TO COMPLY WITH THIS REQUIREMENT.

19. UTILITY TRENCHES SHALL BE COVERED OR FILLED AT THE END OF EACH DAY. SHOULD THE CONTRACTOR NOT COMPLETE THE UTILITY WORK WITHIN THE TEMPORARY LANE CLOSURE TIME. PLATED TRENCHES SHALL BE RAMPED ACCORDING TO BD-32. THIS WORK SHALL BE INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)".

20. SEE HIGHWAY STANDARDS AND DISTRICT ONE DETAILS FOR ADDITIONAL REQUIREMENTS AND INFORMATION.

21. DRIVEWAY ACCESS AND ACCESS TO SIDE ROADS SHALL BE MAINTAINED AT ALL TIMES THROUGH THE USE OF "TEMPORARY ACCESS (PRIVATE ENTRANCE)", "TEMPORARY ACCESS (COMMERCIAL ENTRANCE)", AND "TEMPORARY ACCESS (ROAD)". PEDESTRIAN ACCESS ACROSS ROADWAYS SHALL BE MAINTAINED AT ALL TIMES THROUGH THE USE OF "TEMPORARY ACCESS (ROAD)." AT THE DIRECTION OF THE ENGINEER, DRIVEWAYS MAY BE CLOSED FOR A MAXIMUM OF 7 DAYS TO FACILITATE DRIVEWAY, SIDEWALK, AND CURB AND GUTTER CONSTRUCTION. THE CONTRACTOR SHALL WORK COOPERATIVELY WITH THE RESIDENTS AND ENGINEER TO ACCOMMODATE ACCESS THROUGHOUT THE PROJECT.

22. THE SIDEWALK ON ONE SIDE OF THE STREET MUST REMAIN OPEN AND ACCESSIBLE AT ALL TIMES. CONSTRUCTION STAGING SHALL BE COORDINATED WITH THE ENGINEER AND CONTRACTOR TO ENSURE ONE SIDEWALK REMAINS OPEN. SIGNING DIRECTING PEDESTRIANS TO THE OPEN SIDEWALK SHALL IN ACCORDANCE WITH IDOT HIGHWAY STANDARD 701801. THE WORK REQUIRED TO COMPLY WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)".

23. EQUIPMENT, MATERIAL, AND TRUCKS SHALL NOT BE STAGED IN OPEN TRAVEL LANES IN A WAY THAT RESTRICTS TRAFFIC FLOW.

24. ALL CONSTRUCTION AND TRUCK TRAFFIC AS WELL AS PERSONAL VEHICLES OF THE CONSTRUCTION CREW SHALL ADHERE TO THE POSTED DIRECTION OF TRAVEL. DETOUR ROUTE, LOCAL PARKING RESTRICTIONS, AND ALL APPLICABLE REGULATORY LAWS. EACH INFRACTION NOTED BY THE ENGINEER SHALL BE SUBJECT TO A TRAFFIC CONTROL DEFICIENCY DEDUCTION IN ACCORDANCE WITH ARTICLE 105.03 OF THE STANDARD SPECIFICATIONS.

25. NO CONSTRUCTION TRAFFIC SHALL CIRCULATE OR USE THE SCHOOL PROPERTY.

26. CONTRACTOR SHALL COORDINATE WITH SCHOOL DISTRICT PRIOR TO ANY DAILY LANE CLOSURES ON WESTLEIGH ROAD.

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: Default
FILE NAME: G:\4600\4664\000 Lake Forest\4664-410 IL 43 at Westleigh\MicrostationSheets\4664-410-phl-mot_gn_1.dgn

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	DRAWN - GHA	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KLB	REVISED -	
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC GENERAL NOTES
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	37
		CONTRACT NO. 61L42		
	ILLINOIS	FED. AID PROJECT		

SUGGESTED SEQUENCE OF CONSTRUCTION PRE-STAGE

1. INSTALL TEMPORARY INFORMATION SIGNS SEVEN (7) DAYS IN ADVANCE OF CONSTRUCTION COMMENCEMENT.
2. PLACE ALL ADVANCE CONSTRUCTION SIGNS PER IDOT HIGHWAY STANDARD 701426 & 701606. PLACE ALL ROAD CONSTRUCTION AHEAD SIGNS PER IDOT DISTRICT ONE DETAIL TC-10. FURNISH AND INSTALL ADDITIONAL TRAFFIC CONTROL AND PROTECTION MEASURES.
3. INSTALL EROSION CONTROL MEASURES AND TREE PROTECTION. PERFORM TREE ROOT PRUNING.
4. ERECT TEMPORARY TRAFFIC SIGNALS
5. INSTALL TEMPORARY SIGNAGE AND PAVEMENT MARKINGS AT THE 433+00 SCHOOL DRIVEWAY.

SUGGESTED SEQUENCE OF CONSTRUCTION STAGE 1

1. PLACE ALL ADVANCE CONSTRUCTION SIGNS PER IDOT HIGHWAY STANDARDS 701606. FURNISH AND INSTALL ADDITIONAL TRAFFIC CONTROL AND PROTECTION MEASURES.
2. CONSTRUCT STORM SEWERS, DRAINAGE STRUCTURES, WATER MAIN UTILITIES. TRAFFIC SHALL BE MAINTAINED THROUGH THE USE OF FLAGGERS IN ACCORDANCE WITH IDOT HIGHWAY STANDARDS 701606.
3. REMOVE THE COMBINATION CURB AND GUTTER, DRIVEWAY PAVEMENT, ROADWAY PAVEMENT, AND SIDEWALKS.
4. PROOF ROLL THE EXISTING SUBGRADE AND PERFORM UNDER CUT OPERATIONS AT LOCATIONS DIRECTED BY THE ENGINEER.
5. INSTALL AGGREGATE SUBGRADE.
6. CONSTRUCT NEW COMBINATION CURB AND GUTTER, ROADWAY PAVEMENT THROUGH HOT-MIX ASPHALT BASE COURSE AND PORTLAND CEMENT CONCRETE BASE COURSE, AND TEMPORARY PEDESTRIAN ACCESS.
7. CONSTRUCT PERMANENT TRAFFIC SIGNALS AND LIGHTING CONDUITS AND FOUNDATIONS. TRAFFIC SHALL BE MAINTAINED THROUGH THE USE OF FLAGGERS IN ACCORDANCE WITH IDOT HIGHWAY STANDARDS 701606.
8. ONCE THE AREAS OF WIDENING HAVE BEEN CONSTRUCTED THROUGH HOT-MIX ASPHALT AND PORTLAND CEMENT CONCRETE BASE COURSE. DRUMS SHALL BE PLACED ON THE WIDENED EDGE TO ALLOW FOR 2 (TWO) SOUTH BOUND THROUGH LANES TO BE OPENED. AT NO POINT SHALL THE PROPOSED TURN LANES BE OPENED UNTIL THE COMPLETION OF THE WORK SPECIFIED IN NOTE 8 OF STAGE 4 & 5.

SUGGESTED SEQUENCE OF CONSTRUCTION STAGE 2

1. PLACE ALL ADVANCE CONSTRUCTION SIGNS PER IDOT HIGHWAY STANDARDS 701501. FURNISH AND INSTALL ADDITIONAL TRAFFIC CONTROL AND PROTECTION MEASURES.
2. CONSTRUCT STORM SEWERS, DRAINAGE STRUCTURES, WATER MAIN UTILITIES. TRAFFIC SHALL BE MAINTAINED THROUGH THE USE OF FLAGGERS IN ACCORDANCE WITH IDOT HIGHWAY STANDARDS 701501.
3. REMOVE THE COMBINATION CURB AND GUTTER, DRIVEWAY PAVEMENT, ROADWAY PAVEMENT, AND SIDEWALKS.
4. PROOF ROLL THE EXISTING SUBGRADE AND PERFORM UNDER CUT OPERATIONS AT LOCATIONS DIRECTED BY THE ENGINEER.
5. INSTALL AGGREGATE SUBGRADE.
6. CONSTRUCT NEW COMBINATION CURB AND GUTTER, ROADWAY PAVEMENT THROUGH HOT-MIX ASPHALT BASE COURSE AND PORTLAND CEMENT CONCRETE BASE COURSE, AND TEMPORARY PEDESTRIAN ACCESS.
7. ONCE THE AREAS OF WIDENING HAVE BEEN CONSTRUCTED THROUGH HOT-MIX ASPHALT AND PORTLAND CEMENT CONCRETE BASE COURSE. DRUMS SHALL BE PLACED ON THE WIDENED EDGE TO ALLOW FOR 2 (TWO) THROUGH LANES TO BE OPENED. AT NO POINT SHALL THE PROPOSED TURN LANES BE OPENED UNTIL THE COMPLETION OF THE WORK SPECIFIED IN NOTE 8 OF STAGE 4 & 5.

SUGGESTED SEQUENCE OF CONSTRUCTION STAGE 3

1. PLACE ALL ADVANCE CONSTRUCTION SIGNS PER IDOT HIGHWAY STANDARDS 701606. FURNISH AND INSTALL ADDITIONAL TRAFFIC CONTROL AND PROTECTION MEASURES.
2. CONSTRUCT STORM SEWERS, DRAINAGE STRUCTURES, WATER MAIN UTILITIES. TRAFFIC SHALL BE MAINTAINED THROUGH THE USE OF FLAGGERS IN ACCORDANCE WITH IDOT HIGHWAY STANDARDS 701606.
3. CONSTRUCT PERMANENT TRAFFIC SIGNALS AND LIGHTING CONDUITS AND FOUNDATIONS. TRAFFIC SHALL BE MAINTAINED THROUGH THE USE OF FLAGGERS IN ACCORDANCE WITH IDOT HIGHWAY STANDARDS 701606.
4. REMOVE THE COMBINATION CURB AND GUTTER, DRIVEWAY PAVEMENT, ROADWAY PAVEMENT, AND SIDEWALKS.
5. PROOF ROLL THE EXISTING SUBGRADE AND PERFORM UNDER CUT OPERATIONS AT LOCATIONS DIRECTED BY THE ENGINEER.
6. INSTALL AGGREGATE SUBGRADE.
7. CONSTRUCT NEW COMBINATION CURB AND GUTTER, ROADWAY PAVEMENT THROUGH HOT-MIX ASPHALT BASE COURSE AND PORTLAND CEMENT CONCRETE BASE COURSE, AND TEMPORARY PEDESTRIAN ACCESS.
8. ONCE THE AREAS OF WIDENING HAVE BEEN CONSTRUCTED THROUGH HOT-MIX ASPHALT AND PORTLAND CEMENT CONCRETE BASE COURSE. DRUMS SHALL BE PLACED ON THE WIDENED EDGE TO ALLOW FOR 2 (TWO) NORTH BOUND THROUGH LANES TO BE OPENED. AT NO POINT SHALL THE PROPOSED TURN LANES BE OPENED UNTIL THE COMPLETION OF THE WORK SPECIFIED IN NOTE 8 OF STAGE 4 & 5.

SUGGESTED SEQUENCE OF CONSTRUCTION STAGE 4 & 5

1. PLACE ALL ADVANCE CONSTRUCTION SIGNS PER IDOT HIGHWAY STANDARDS 701501. FURNISH AND INSTALL ADDITIONAL TRAFFIC CONTROL AND PROTECTION MEASURES.
2. CONSTRUCT STORM SEWERS, DRAINAGE STRUCTURES, WATER MAIN UTILITIES. TRAFFIC SHALL BE MAINTAINED THROUGH THE USE OF FLAGGERS IN ACCORDANCE WITH IDOT HIGHWAY STANDARDS 701501.
3. REMOVE THE COMBINATION CURB AND GUTTER, DRIVEWAY PAVEMENT, ROADWAY PAVEMENT, AND SIDEWALKS.
4. PROOF ROLL THE EXISTING SUBGRADE AND PERFORM UNDER CUT OPERATIONS AT LOCATIONS DIRECTED BY THE ENGINEER.
5. INSTALL AGGREGATE SUBGRADE.
6. CONSTRUCT NEW COMBINATION CURB AND GUTTER, ROADWAY PAVEMENT THROUGH HOT-MIX ASPHALT BASE COURSE AND PORTLAND CEMENT CONCRETE BASE COURSE, AND TEMPORARY PEDESTRIAN ACCESS.
7. ONCE THE AREAS OF WIDENING HAVE BEEN CONSTRUCTED THROUGH HOT-MIX ASPHALT AND PORTLAND CEMENT CONCRETE BASE COURSE. DRUMS SHALL BE PLACED SUCH TO ALLOW FOR 2 (TWO) THROUGH LANES TO BE OPENED.
8. WHEN ALL WIDENING WORK IS COMPLETE AND PRIOR TO FINAL RESURFACING, THE CONTRACTOR SHALL FOLLOW ARTICLE 701.07, TABLE 1 DROP-OFFS BETWEEN TRAFFIC LANES OF THE STANDARD SPECIFICATIONS, FOR ALL ELEVATION DIFFERENCES BETWEEN LANES. ONCE UNEVEN LANES HAVE BEEN ADDRESSED, TEMPORARY STRIPING OF THE FINAL PAVEMENT MARKING PLAN CONFIGURATION SHALL BE PERFORMED TO OPEN ALL LANES TO TRAFFIC.

SUGGESTED SEQUENCE OF CONSTRUCTION STAGE 6

1. PLACE ALL ADVANCE CONSTRUCTION SIGNS PER IDOT HIGHWAY STANDARDS 701501 AND 701606. FURNISH AND INSTALL ADDITIONAL TRAFFIC CONTROL AND PROTECTION MEASURES.
2. COMPLETE TRAFFIC SIGNALS, LIGHTING, SIDEWALK, DRIVEWAYS, AND LANDSCAPE RESTORATION.
3. PREFORM MILLING OPERATIONS. TRAFFIC SHALL BE MAINTAINED THROUGH THE USE OF FLAGGERS IN ACCORDANCE WITH IDOT HIGHWAY STANDARDS 701501, 701606, AND 701701.
5. PLACE SHORT TERM PAVEMENT MARKINGS.
6. PLACE BINDER COURSE. TRAFFIC SHALL BE MAINTAINED THROUGH THE USE OF FLAGGERS IN ACCORDANCE WITH IDOT HIGHWAY STANDARDS 701501, 701606, AND 701701.
7. REMOVE TEMPORARY SIGNAGE AND PAVEMENT MARKINGS AT THE 433+00 SCHOOL DRIVEWAY
8. PLACE SURFACE COURSE. TRAFFIC SHALL BE MAINTAINED THROUGH THE USE OF FLAGGERS IN ACCORDANCE WITH IDOT HIGHWAY STANDARDS 701501, 701606, AND 701701.
9. INSTALL PERMANENT STRIPING AND SIGNAGE.
10. TURN ON TRAFFIC SIGNAL AT IL 43 AT WESTLEIGH ROAD.
11. REMOVE CONSTRUCTION SIGNS
12. RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM

CONSTRUCTION STAGING GENERAL NOTES

1. CONTRACTOR SHALL STAGE ALL VEHICLES, MATERIALS, AND EQUIPMENT NECESSARY FOR CONSTRUCTION AT THE TEMPORARY CONSTRUCTION STAGING AREA. AT NO POINT SHALL THE SCHOOL PROPERTY BE USED FOR STAGING OF VEHICLES, MATERIALS, AND EQUIPMENT.
2. CONTRACTOR SHALL COORDINATE WITH THE CITY OF LAKE FOREST REGARDING FINAL PLACEMENT OF TEMPORARY CONSTRUCTION STAGING AREA.
3. LANDSCAPE RESTORATION AND BOOSTER PUMP DRIVEWAY REPLACEMENT PAY ITEMS FOR THE TEMPORARY CONSTRUCTION STAGING AREA HAVE BEEN INCLUDED IN THE CONTRACT, ANY ADDITIONAL DAMAGE CAUSED BY THE USE OF THIS TEMPORARY CONSTRUCTION STAGING AREA BEYOND LANDSCAPING RESTORATION AND BOOSTER PUMP DRIVEWAY REPLACEMENT SHALL BE FIXED AT THE EXPENSE OF THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER AND THE CITY OF LAKE FOREST.
4. THE CONTRACTOR SHALL AT NO TIME BLOCK ACCESS TO THE BOOSTER PUMP DRIVEWAY OR BUILDING. THE DRIVEWAY TO THE BOOSTER PUMP SITE SHALL BE STRICTLY USED FOR ACCESS TO AND FROM THE TEMPORARY CONSTRUCTION STAGING AREA.
5. IF FINAL TRAFFIC SIGNALS CANNOT BE INSTALLED IN STAGE 6 DUE TO PROCUREMENT DELAYS. THE CONTRACTOR SHALL MAINTAIN AND ADJUST THE TEMPORARY TRAFFIC SIGNAL SIGNALS AS DIRECTED BY THE ENGINEER AND OPEN ALL LANES TO TRAFFIC.

GEWALT HAMILTON ASSOCIATES, INC.

USER NAME = dolesak	DESIGNED - KLB	REVISED -	
	DRAWN - GHA	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KLB	REVISED -	
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -	

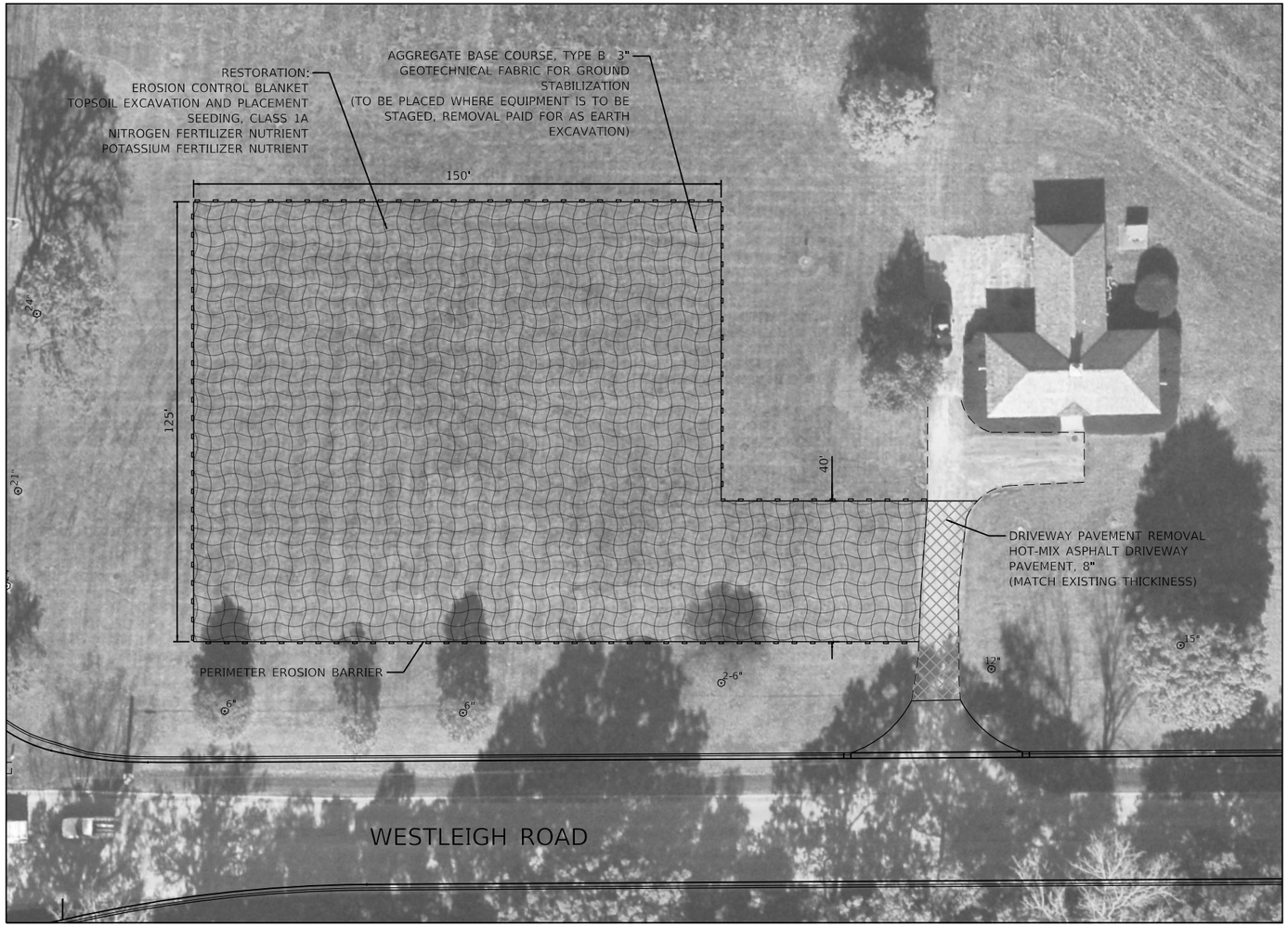
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED SEQUENCE OF CONSTRUCTION
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	38
		CONTRACT NO. 61L42		
	ILLINOIS	FED. AID PROJECT		

WESTLEIGH ROAD TEMPORARY CONSTRUCTION STAGING AREA
CITY OWNED WATER BOOSTER PUMP SITE



GEWALT HAMILTON ASSOCIATES, INC.

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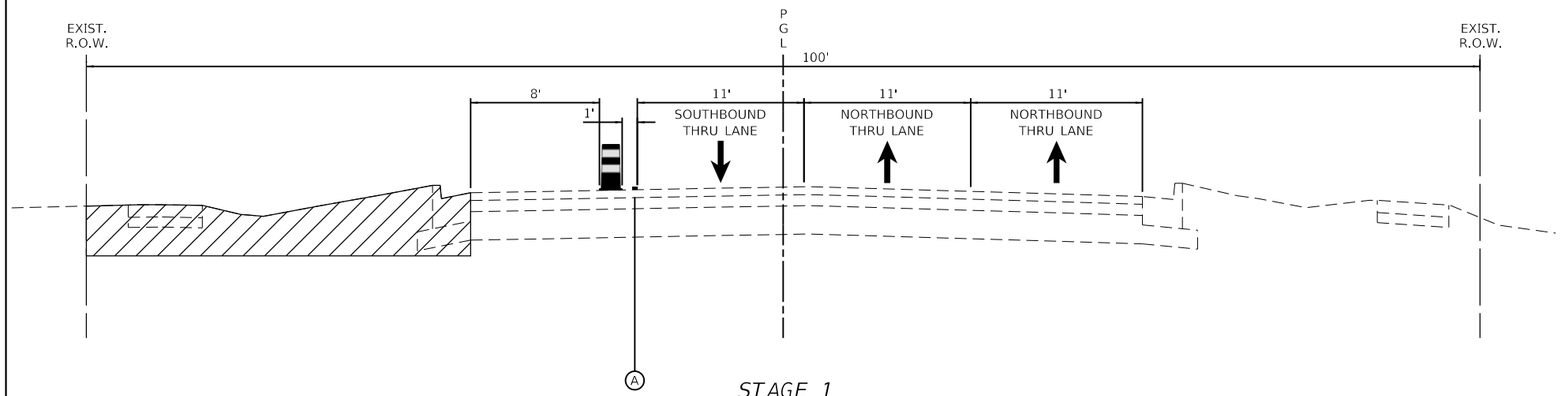
PLOT SCALE = 40.0000 ' / in.	CHECKED - KLB	REVISED -	
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

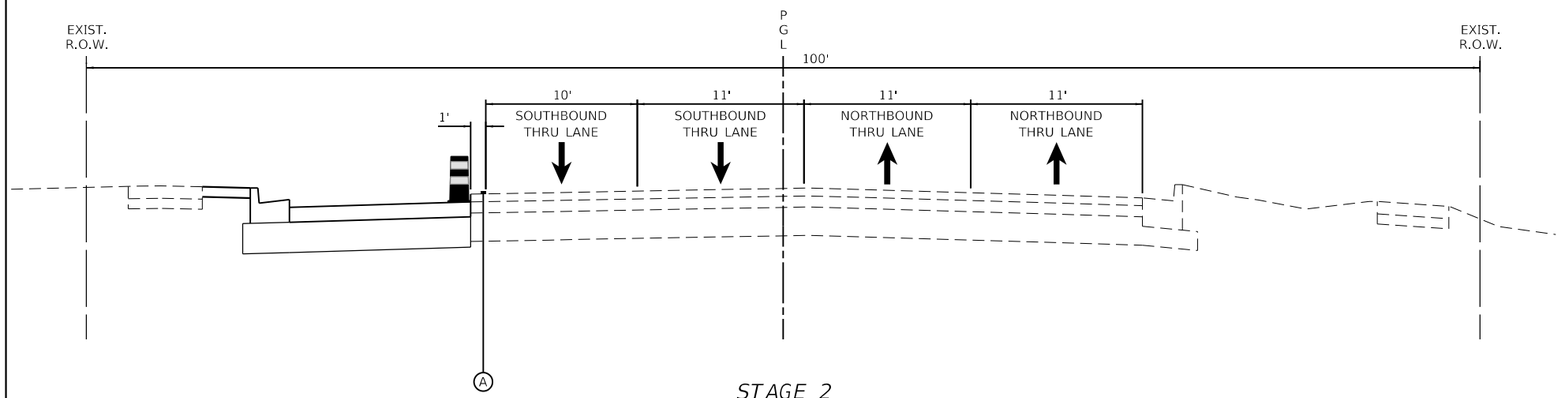
TEMPORARY CONSTRUCTION STAGING AREA
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

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

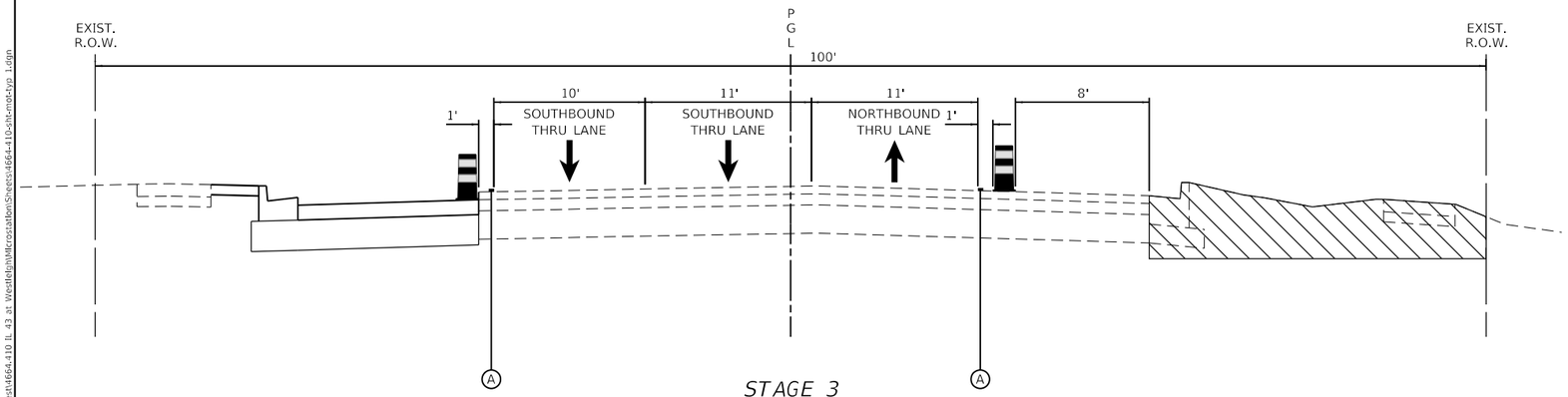
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	39
		CONTRACT NO. 61L42		
	ILLINOIS	FED. AID PROJECT		



STAGE 1
IL ROUTE 43 (WAUKEGAN ROAD)
STA. 416+58 TO STA. 424+40



STAGE 2
IL ROUTE 43 (WAUKEGAN ROAD)
STA. 416+58 TO STA. 424+40



STAGE 3
IL ROUTE 43 (WAUKEGAN ROAD)
STA. 416+58 TO STA. 424+40

LEGEND

EXCAVATION

DRUMS OR BARRICADES, TYPE II

DIRECTIONAL ARROW

(A) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE (SOLID WHITE)

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: Default
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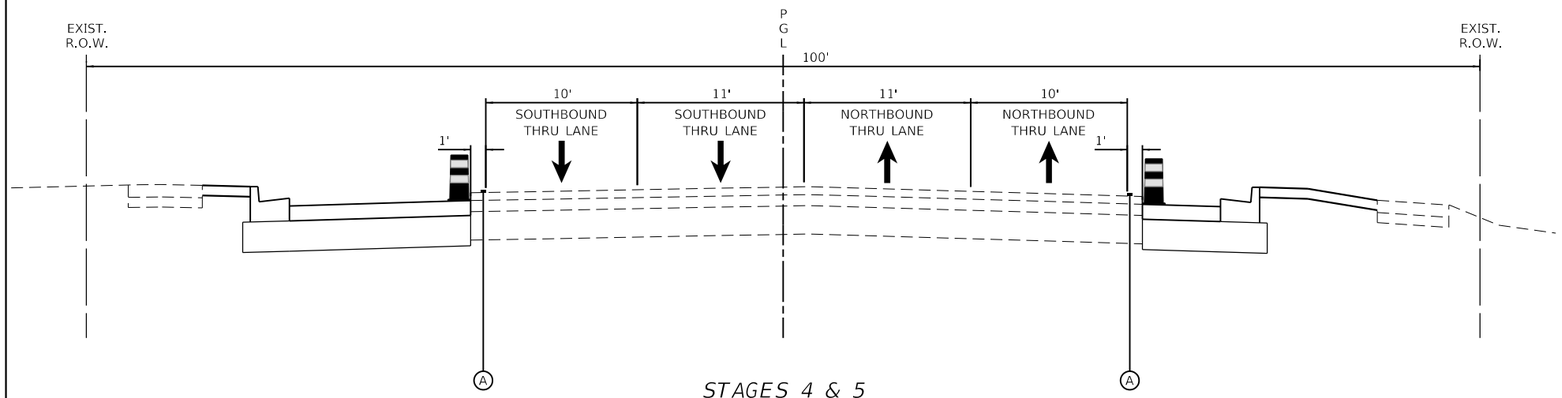
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC TYPICAL SECTIONS
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

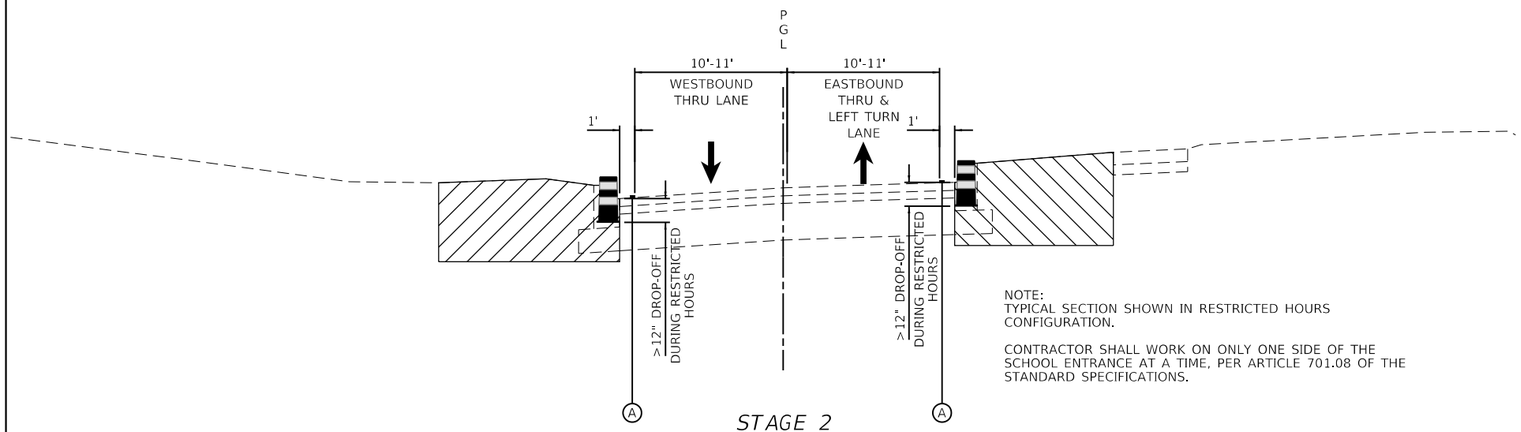
SCALE: N.T.S. | SHEET 1 OF 3 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	40
		CONTRACT NO. 61L42		
	ILLINOIS	FED. AID PROJECT		



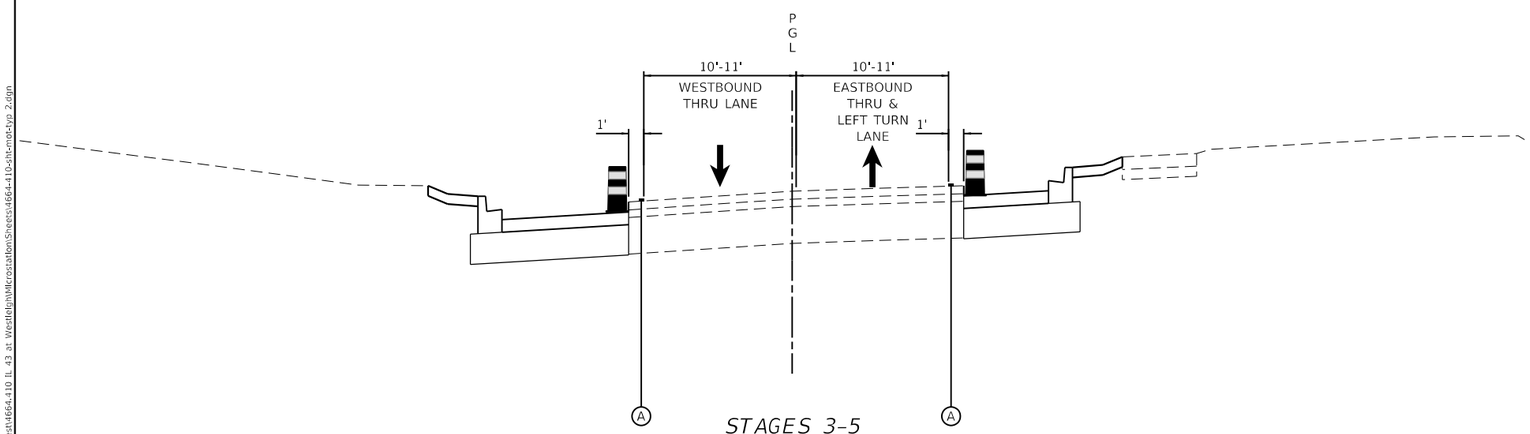
STAGES 4 & 5
IL ROUTE 43 (WAUKEGAN ROAD)

STA. 416+58 TO STA. 424+40



STAGE 2
SCHOOL ENTRANCE

STA. 7+44 TO STA. 10+00



STAGES 3-5
SCHOOL ENTRANCE

STA. 7+44 TO STA. 10+00

NOTE:
TYPICAL SECTION SHOWN IN RESTRICTED HOURS CONFIGURATION.

CONTRACTOR SHALL WORK ON ONLY ONE SIDE OF THE SCHOOL ENTRANCE AT A TIME, PER ARTICLE 701.08 OF THE STANDARD SPECIFICATIONS.

LEGEND

- EXCAVATION
- DRUMS OR BARRICADES, TYPE II
- DIRECTIONAL ARROW
- (A) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE (SOLID WHITE)

GEWALT HAMILTON ASSOCIATES, INC.

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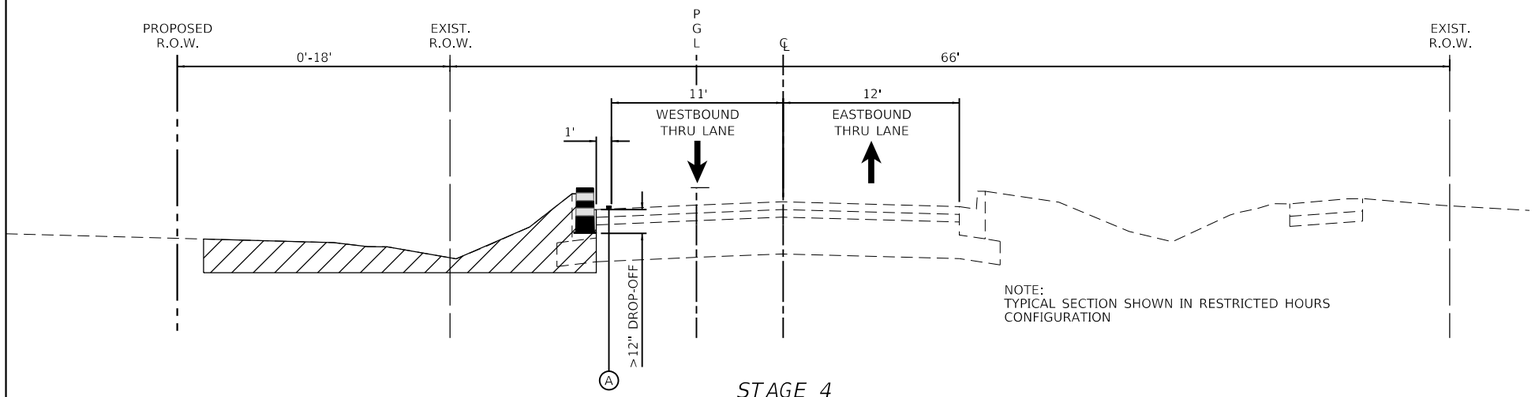
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

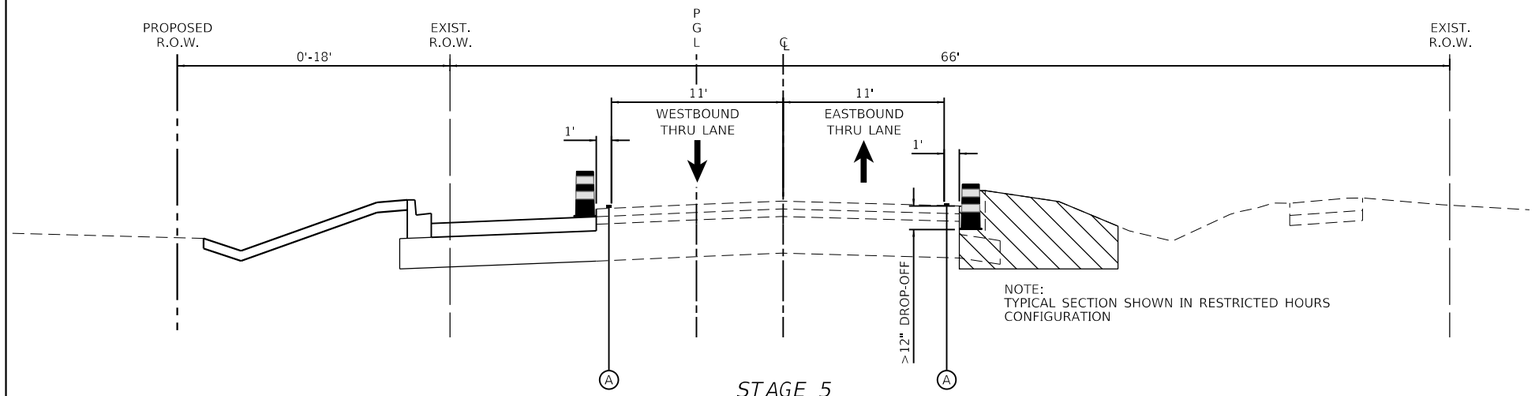
MAINTENANCE OF TRAFFIC TYPICAL SECTIONS
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	41
		CONTRACT NO. 61L42		
	ILLINOIS	FED. AID PROJECT		



STAGE 4
WESTLEIGH ROAD
STA. 10+00 TO STA. 17+56



STAGE 5
WESTLEIGH ROAD
STA. 10+00 TO STA. 17+56

LEGEND

- EXCAVATION
- DRUMS OR BARRICADES, TYPE II
- DIRECTIONAL ARROW
- (A) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE (SOLID WHITE)

GEWALT HAMILTON ASSOCIATES, INC.

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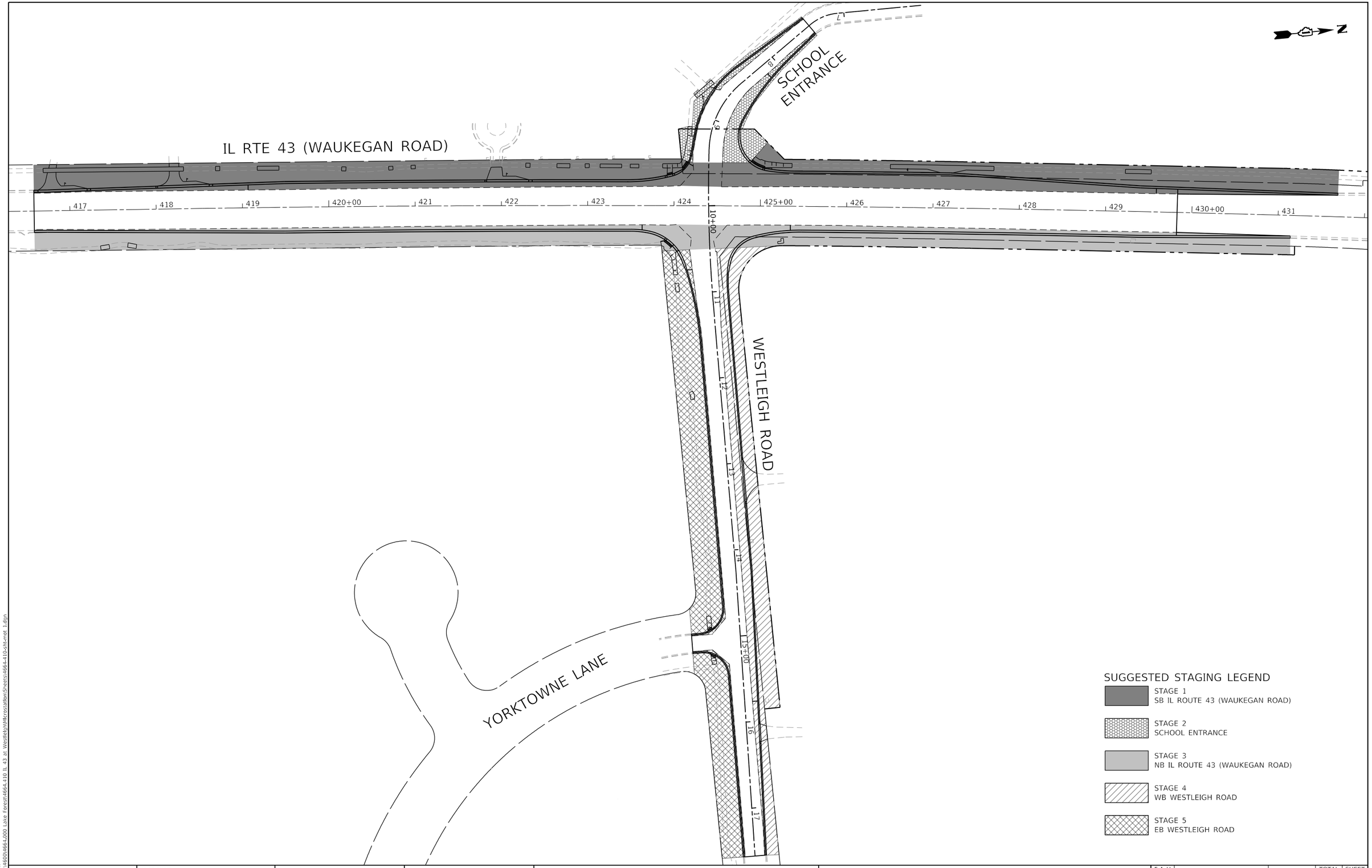
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC TYPICAL SECTIONS
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	42
		CONTRACT NO. 61L42		
	ILLINOIS FED. AID PROJECT			



SUGGESTED STAGING LEGEND

- STAGE 1 — SB IL ROUTE 43 (WAUKEGAN ROAD)
- STAGE 2 — SCHOOL ENTRANCE
- STAGE 3 — NB IL ROUTE 43 (WAUKEGAN ROAD)
- STAGE 4 — WB WESTLEIGH ROAD
- STAGE 5 — EB WESTLEIGH ROAD

GEWALT HAMILTON ASSOCIATES, INC.

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PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGES OF CONSTRUCTION
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	43
		CONTRACT NO. 61L42		
		ILLINOIS	FED. AID PROJECT	

490 S WAUKEGAN RD

488 S WAUKEGAN RD

1300 GAVIN CT

1300 GAVIN CT

N

TEMPORARY EROSION CONTROL BLANKET
TEMPORARY EROSION CONTROL SEEDING
(TYP)

LIMITS OF CONSTRUCTION
(TYP)

PERIMETER EROSION BARRIER
(TYP)

EXIST. R.O.W.

EXIST. R.O.W.

INLET FILTERS (TYP)

IL RTE 43 (WAUKEGAN ROAD)

100'

100'

416

417

418

419

420+00

MATCH LINE STA. 420+50.00

BEGIN IMPROVEMENTS
STA. 416+58.53

EXIST. R.O.W.

EXIST. R.O.W.

LEGEND

TEMPORARY EROSION CONTROL BLANKET
TEMPORARY EROSION CONTROL SEEDING

INLET FILTERS

PERIMETER EROSION BARRIER

LIMIT OF CONSTRUCTION

SEE WESTLEIGH ROAD PLANS
MATCH LINE STA. 9+00.00

1050 NEWCASTLE DR

1031 BARRYS CT

1041 BARRYS CT

1300 GAVIN CT

410 S WAUKEGAN RD

300 S WAUKEGAN RD

LAKE FOREST HIGH SCHOOL

N

SIGN
2'Wx5'H

PERIMETER EROSION BARRIER
(TYP)

TEMPORARY EROSION CONTROL BLANKET
TEMPORARY EROSION CONTROL SEEDING
(TYP)

EXIST. R.O.W.

EXIST. R.O.W.

PROP. R.O.W.

EXIST. R.O.W.

MATCH LINE STA. 420+50.00

INLET FILTERS (TYP)

IL RTE 43 (WAUKEGAN ROAD)

100'

421

422

423

100'

424

425+00

MATCH LINE STA. 425+50.00

73'

10+00

10+00

EXIST. R.O.W.

EXIST. R.O.W.

PROP. R.O.W.

10'

LIMITS OF CONSTRUCTION
(TYP)

EXIST. R.O.W.

EXIST. R.O.W.

66'

MATCH LINE STA. 11+00.00
SEE WESTLEIGH ROAD PLANS

1041 BARRYS CT

1036 BARRYS CT

1030 W WESTLEIGH RD

GEWALT HAMILTON ASSOCIATES, INC.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

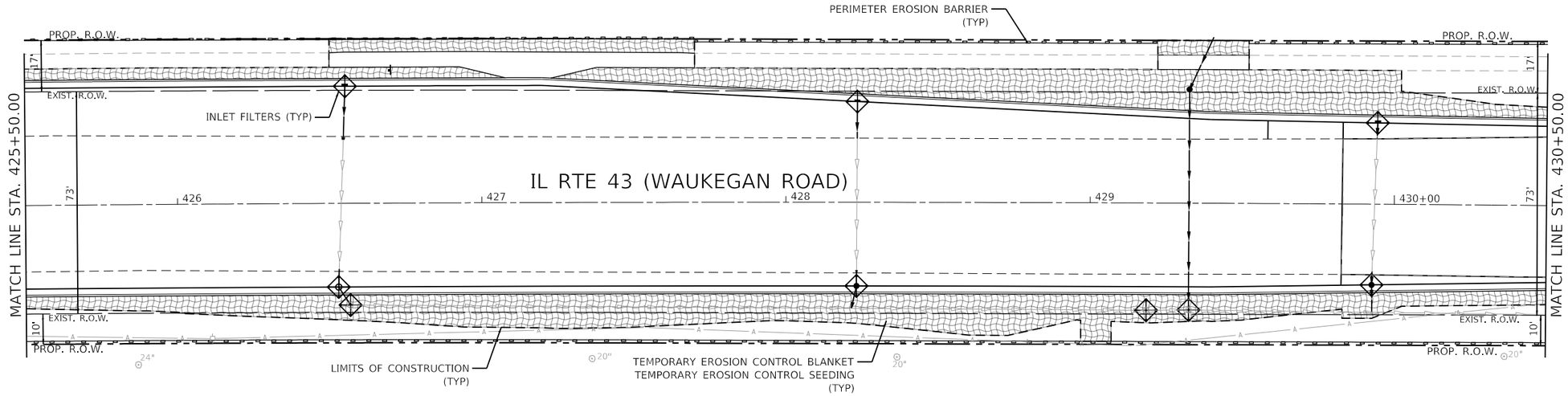
SOIL EROSION AND SEDIMENT CONTROL PLANS
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

SCALE: 1"=20' | SHEET 1 OF 4 SHEETS | STA. 415+50.00 TO STA. 420+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	44
		CONTRACT NO. 61L42		
	ILLINOIS FED. AID PROJECT			

LAKE FOREST
HIGH SCHOOL

300 S WAUKEGAN RD



LEGEND

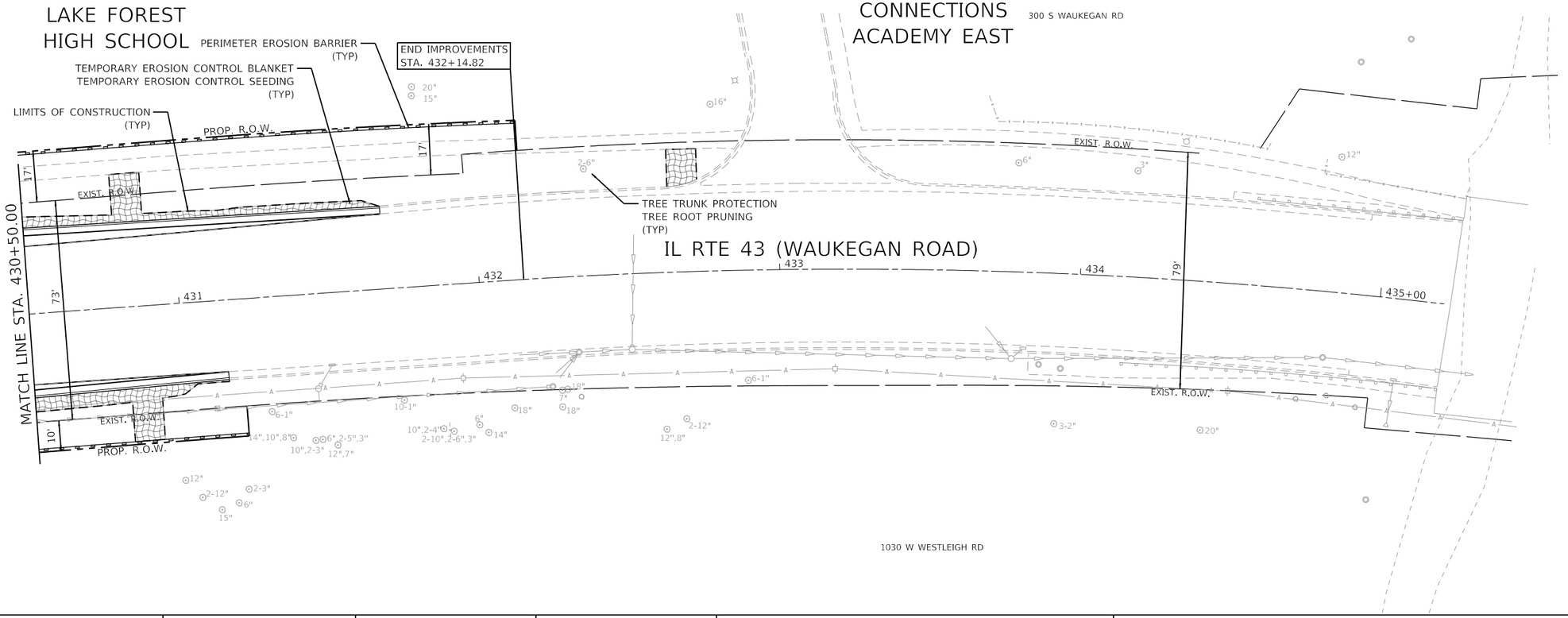
- TEMPORARY EROSION CONTROL BLANKET / TEMPORARY EROSION CONTROL SEEDING
- INLET FILTERS
- PERIMETER EROSION BARRIER
- LIMIT OF CONSTRUCTION

1030 W WESTLEIGH RD

LAKE FOREST
HIGH SCHOOL

CONNECTIONS
ACADEMY EAST

300 S WAUKEGAN RD



1030 W WESTLEIGH RD

GEWALT HAMILTON ASSOCIATES, INC.

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PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL EROSION AND SEDIMENT CONTROL PLANS
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

SCALE: 1"=20' | SHEET 2 OF 4 SHEETS | STA. 425+50.00 TO STA. 435+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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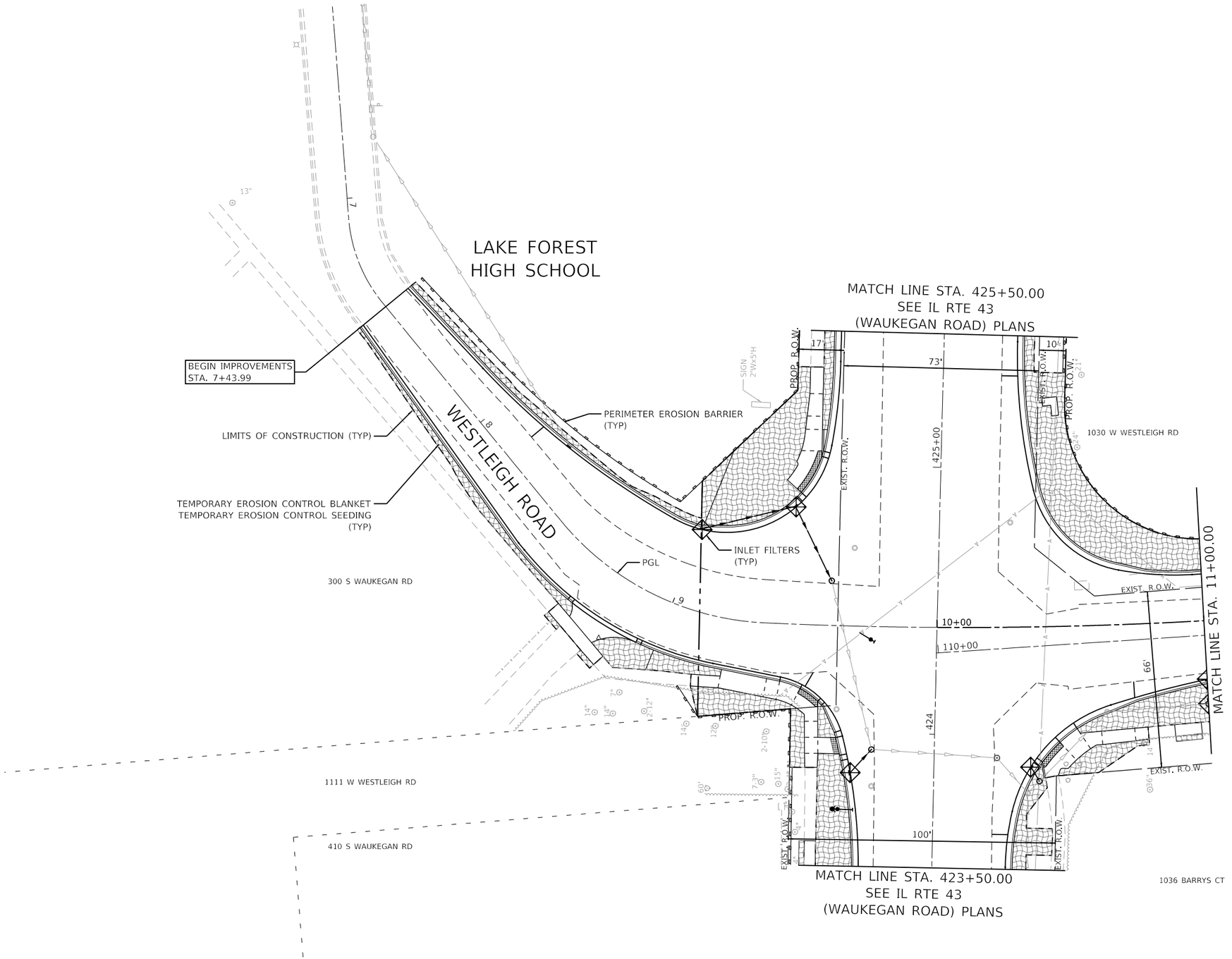
		CONTRACT NO. 61L42		
	ILLINOIS FED. AID PROJECT			



LEGEND

- TEMPORARY EROSION CONTROL BLANKET
  TEMPORARY EROSION CONTROL SEEDING
- INLET FILTERS
- PERIMETER EROSION BARRIER
- LIMIT OF CONSTRUCTION

GEWALT HAMILTON ASSOCIATES, INC.

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PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL EROSION AND SEDIMENT CONTROL PLANS
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

SCALE: 1"=20' | SHEET 3 OF 4 SHEETS | STA. 6+50.00 | TO STA. 11+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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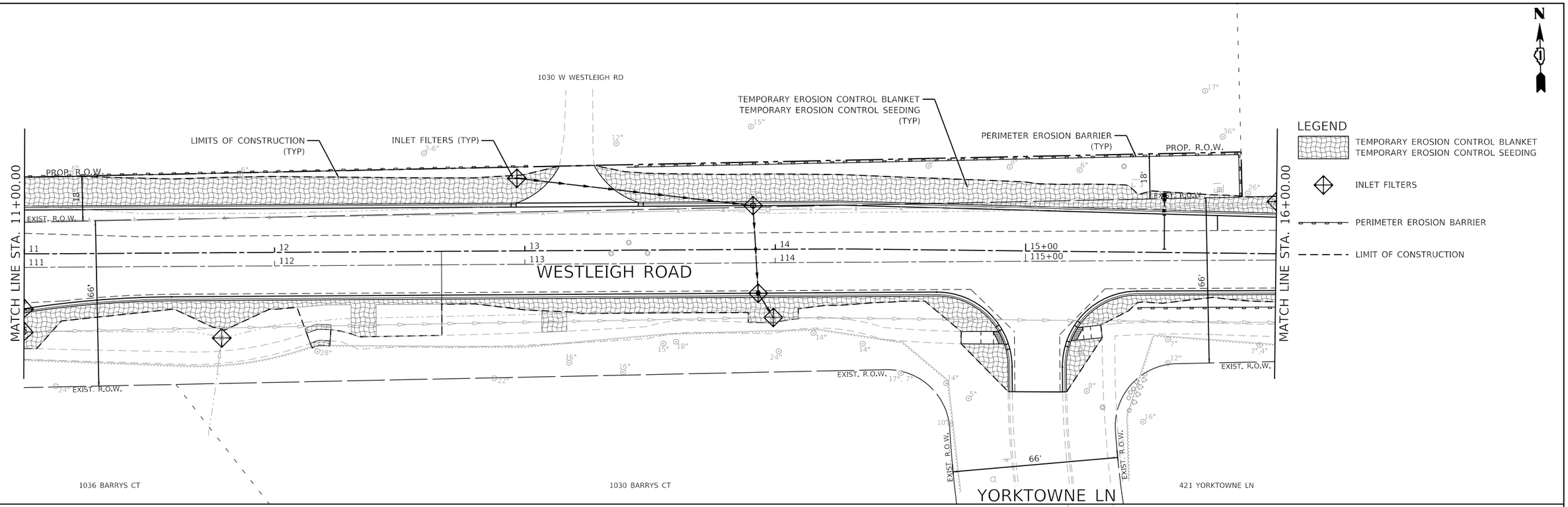
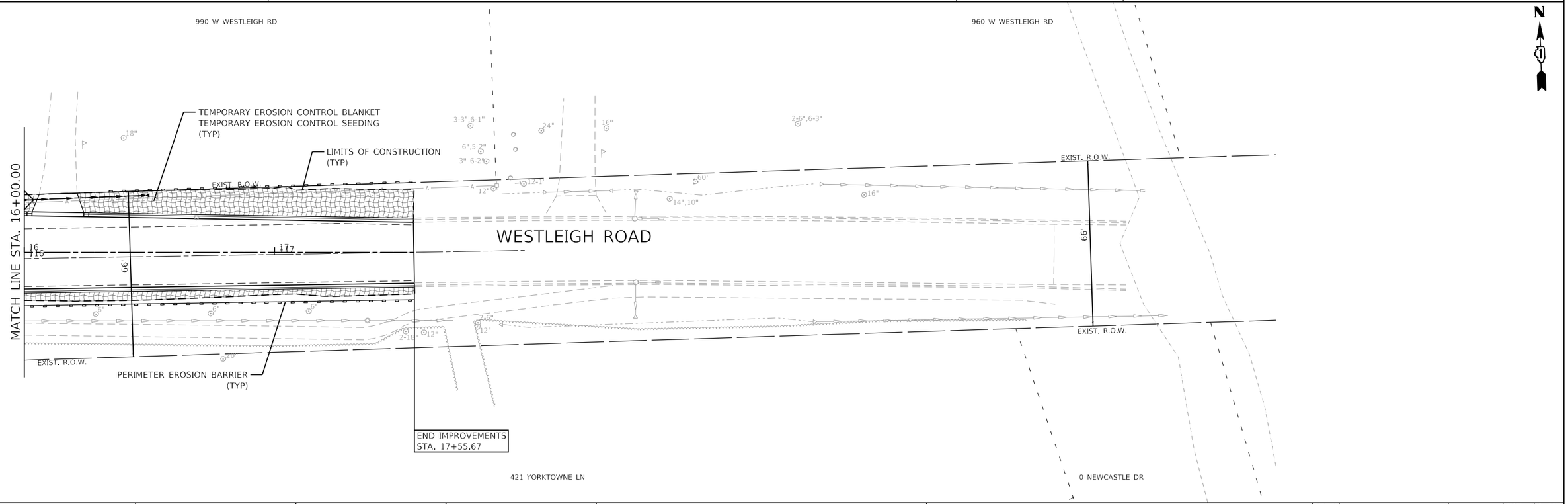
		CONTRACT NO. 61L42		
	ILLINOIS	FED. AID PROJECT		





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PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -	

SOIL EROSION AND SEDIMENT CONTROL PLANS
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

SCALE: 1"=20' | SHEET 4 OF 4 SHEETS | STA. 11+00.00 TO STA. 17+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	47
		CONTRACT NO. 61L42		
	ILLINOIS	FED. AID PROJECT		

GEWALT HAMILTON ASSOCIATES, INC.

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STORMWATER MANAGEMENT COMMISSION

TYPICAL CONSTRUCTION SEQUENCING

1.) Installation of soil erosion and sediment control SE/SC measures
   a.) Selective vegetation removal for silt fence installation
   b.) Silt fence installation
   c.) Construction fencing around areas not to be disturbed
   d.) Stabilized construction entrance

2.) Tree removal where necessary (clear & grub)

3.) Construct sediment trapping devices (sediment traps, basins…)

4.) Construct detention facilities and outlet control structure with restrictor & temporary perforated riser

5.) Strip topsoil, stockpile topsoil and grade site

6.) Temporarily stabilize topsoil stockpiles (seed and silt fence around toe of slope)

7.) Install storm sewer, sanitary sewer, water and associated inlet & outlet protection

8.) Permanently stabilize detention basins with seed and erosion control blanket

9.) Temporarily stabilize all areas including lots that have reached temporary grade

10.) Install roadways

11.) Permanently stabilize all outlot areas

12.) Install structures and grade individual lots

13.) Permanently stabilize lots

14.) Remove all temporary SE/SC measures after the site is stabilized with vegetation

* Soil erosion and sediment control maintenance must occur every two weeks and after every ½ or greater rainfall event

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LAKE COUNTY STORMWATER MANAGEMENT COMMISSION
SOIL EROSION AND SEDIMENT CONTROL CONSTRUCTION NOTES

A. SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.

B. FOR THOSE DEVELOPMENTS THAT REQUIRE A DESIGNATED EROSION CONTROL INSPECTOR (DECI), INSPECTIONS AND DOCUMENTATION SHALL BE PERFORMED, AT A MINIMUM:

- UPON COMPLETION OF SEDIMENT AND RUNOFF CONTROL MEASURES (INCLUDING PERIMETER CONTROLS AND DIVERSIONS), PRIOR TO PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING.
- AFTER EVERY SEVEN (7) CALENDAR DAYS OR STORM EVENT WITH GREATER THAN 0.5 INCH OF RAINFALL OR LIQUID EQUIVALENT PRECIPITATION.

C. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. IF STRIPPING, CLEARING, GRADING, OR LANDSCAPING ARE TO BE DONE IN PHASES, THE PERMITTEE SHALL PLAN FOR APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL MEASURES.

D. A STABILIZED MAT OF CRUSHED STONE MEETING IDOT GRADATION CA-1 UNDERLAIN WITH FILTER FABRIC AND IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL, OR OTHER APPROPRIATE MEASURE(S) AS APPROVED BY THE ENFORCEMENT OFFICER, SHALL BE INSTALLED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE. SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.

E. TEMPORARY DIVERSIONS SHALL BE CONSTRUCTED AS NECESSARY TO DIRECT ALL RUNOFF FROM HYDROLOGICALLY DISTURBED AREAS TO AN APPROPRIATE SEDIMENT TRAP OR BASIN.

F. DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) CALENDAR DAYS FOLLOWING THE END OF ACTIVE HYDROLOGIC DISTURBANCE OR REDISTURBANCE.

G. ALL STOCKPILES SHALL HAVE APPROPRIATE MEASURES TO PREVENT EROSION. STOCKPILES SHALL NOT BE PLACED IN FLOOD PRONE AREAS OR WETLANDS AND DESIGNATED BUFFERS.

H. SLOPES STEEPER THAN 3H:1V SHALL BE STABILIZED WITH APPROPRIATE MEASURESAS APPROVED BY THE ENFORCEMENT OFFICER.

I. APPROPRIATE EROSION CONTROL BLANKET SHALL BE INSTALLED ON ALL INTERIOR DETENTION BASIN SIDE SLOPES BETWEEN THE NORMAL WATER LEVEL AND HIGH WATER LEVEL.

J. STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN APPROPRIATE SEDIMENT CONTROL MEASURE.

K. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. DISCHARGES SHALL BE ROUTED THROUGH AN APPROVED ANIONIC POLYMER DEWATERING SYSTEM OR A SIMILAR MEASURE AS APPROVED BY THE ENFORCEMENT OFFICER. DEWATERING SYSTEMS SHOULD BE INSPECTED DAILY DURING OPERATIONAL PERIODS. THE ENFORCEMENT OFFICER, OR APPROVED REPRESENTATIVE, MUST BE PRESENT AT THE COMMENCEMENT OF DEWATERING ACTIVITIES.

L. IF INSTALLED SOIL EROSION AND SEDIMENT CONTROL MEASURES DO NOT MINIMIZE SEDIMENT LEAVING THE DEVELOPMENT SITE, ADDITIONAL MEASURES SUCH AS ANIONIC POLYMERS OR FILTRATION SYSTEMS MAY BE REQUIRED BY THE ENFORCEMENT OFFICER.

M. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE PROPERTY OWNER SHALL BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE AND REPAIR.

N. ALL TEMPORARY SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.

O. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, ENFORCEMENT OFFICER, OR OTHER GOVERNING AGENCY.

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GEWALT HAMILTON ASSOCIATES, INC.

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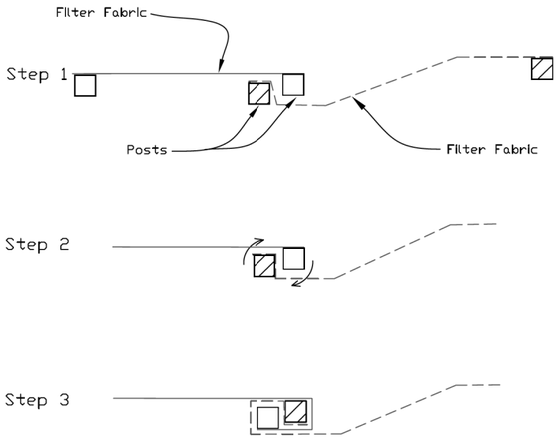
PLOT SCALE = 2.0000 ' / in.	CHECKED - KLB	REVISED -	
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -	

SOIL EROSION AND SEDIMENT CONTROL NOTES
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD
SCALE: N.T.S. | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	48
		CONTRACT NO. 61L42		
	ILLINOIS	FED. AID PROJECT		

SILT FENCE - SPLICING TWO FENCES

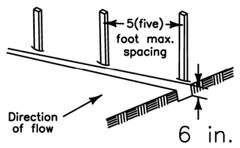


ATTACHING TWO SILT FENCES

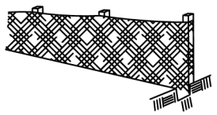
1. Place the end post of the second fence inside the end post of the first fence.
2. Rotate both posts at least 180 degrees in a clockwise direction to create a tight seal with the fabric material.
3. Cut the fabric near the bottom of the stakes to accommodate the 6" flap.
4. Drive both posts a minimum of 18 inches into the ground and bury the flap.
5. Compact backfill (particularly at splices) completely to prevent stormwater piping.

REFERENCE		STANDARD DWG. NO.
Project		IUM-620B(W)
Designed	Date	SHEET 1 OF 1
Checked	Date	DATE 3-16-2012
Approved	Date	

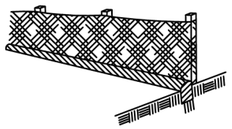
1. Set posts and excavate or slit-trench a 6-inch deep trench upslope along the line of the post



2. Attach the geotextile filter fabric to each post with a minimum of 3 (three) fasteners per post and extend to the bottom of the trench. Acceptable fasteners include staples, zip ties, or wire ties

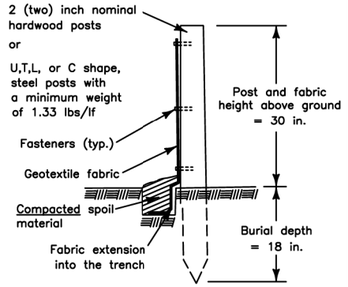


3. Backfill and compact the excavated spoil materials



Geotextile Requirement	Test Method	MARV
Grab strength - Machine direction - X-machine direction	ASTM D 4632	 550 N 450 N
Permittivity	ASTM D 4491	0.05 sec-1
Apparent opening size*	ASTM D 4751	0.60 mm
Ultraviolet stability (retained strength)	ASTM D 4355	70% after 500 hours

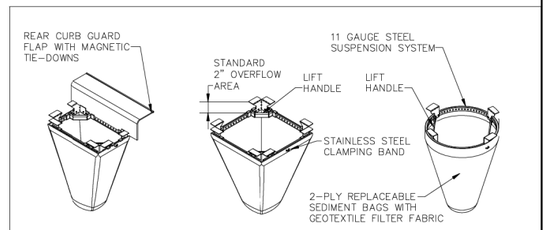
Note:
Value for apparent opening size represents maximum average roll value.



SILT FENCE DETAIL

DATE: 4/21/08 BY: KAW
REVISED: BY:

STORMWATER MANAGEMENT COMMISSION



TYPICAL CURB BOX INLET FILTER

TYPICAL FLAT/RECTANGULAR/ROLLED CURB INLET FILTER

TYPICAL ROUND INLET FILTER

Material Property	Test Method	Value (min. ave.)	
> Inner Filter Bag Specs (2ft³min vol)		Non-Woven	Woven Mono
Grab Tensile	ASTM D 4632	100 lbs	200 lbs
Puncture Strength	ASTM D 4833	65 lbs	90 lbs
Trapezoidal Tear	ASTM D 4535	45 lbs	75 lbs
UV Resistance	ASTM D 4355	70% at 500 hrs	90%
App Open Size (AOS)	ASTM D 4751	70 sieve (.212 mm)	40 sieve (.425 mm)
Premittivity	ASTM D 4491	2.0/sec.	2.1/sec
Water Flow Rate	ASTM D 4491	145 gpm/sqft.	145gpm/sqft
> Polyester Outer Reinforcement Bag Specifications			
Weight	ASTM D 3776	4.55 oz/sqyd +/-15%	
Thickness	ASTM D 1777	.040 +/- .005	
> Frame Construction			
A36 Structural Steel; 11 Gauge, Zinc Plated	ASTM A 576	Tensile Strength > 58,000 psi Yield Strength > 36,000 psi	

MAINTENANCE
1. CLEAN OUT AFTER EVERY RAIN EVENT

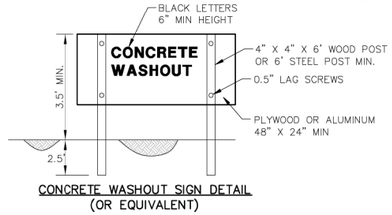
03.15.2016

GEWALT HAMILTON ASSOCIATES, INC.

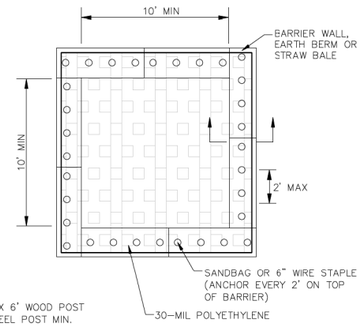
INLET FILTER BASKET DETAIL

NOTES

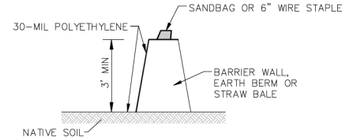
1. ACTUAL LAYOUT DETERMINED IN FIELD.
2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FT. OF THE TEMPORARY CONCRETE WASHOUT FACILITY.
3. CONCRETE WASHOUT SHOULD NOT BE ALLOWED IN STREET OR TO REACH A STORM WATER DRAINAGE SYSTEM OR WATERCOURSE.
4. CONCRETE WASHOUT AREA TO BE LOCATED AT LEAST 10' BEHIND CURB IF ADJACENT TO A PAVED ROAD.
5. IF USING STRAW BALES, STAKE IN PLACE USING (2) 2"X2"X4' WOODEN STAKES.
6. STRAW BALES SHALL BE TRENCHED IN 3".
7. CONCRETE WASHOUT DUMPSTER MAY BE USED IN LIEU OF CONSTRUCTION ONE AS DETAILED.



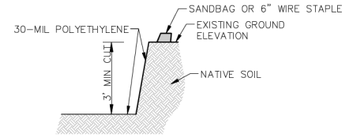
CONCRETE WASHOUT SIGN DETAIL (OR EQUIVALENT)



PLAN VIEW



ABOVE GRADE ANCHOR SECTION



SUBGRADE ANCHOR SECTION

MAINTENANCE:

1. DRIED CONCRETE WASTE SHALL BE PICKED UP AND DISPOSED OF PROPERLY WHEN 75% OF CAPACITY IS REACHED.
2. HARDENED CONCRETE CAN BE PROPERLY RECYCLED AND REUSED ONSITE OR HAULED OFF-SITE TO AN APPROPRIATE FACILITY.

03.15.2016

GEWALT HAMILTON ASSOCIATES, INC.

CONCRETE WASHOUT

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: Default
FILE NAME: G:\4600\4664\000 Lake Forest\4664.410 IL 43 at Westleigh\Microstation\Sheets\4664-410-sht-ero detail 2.dgn

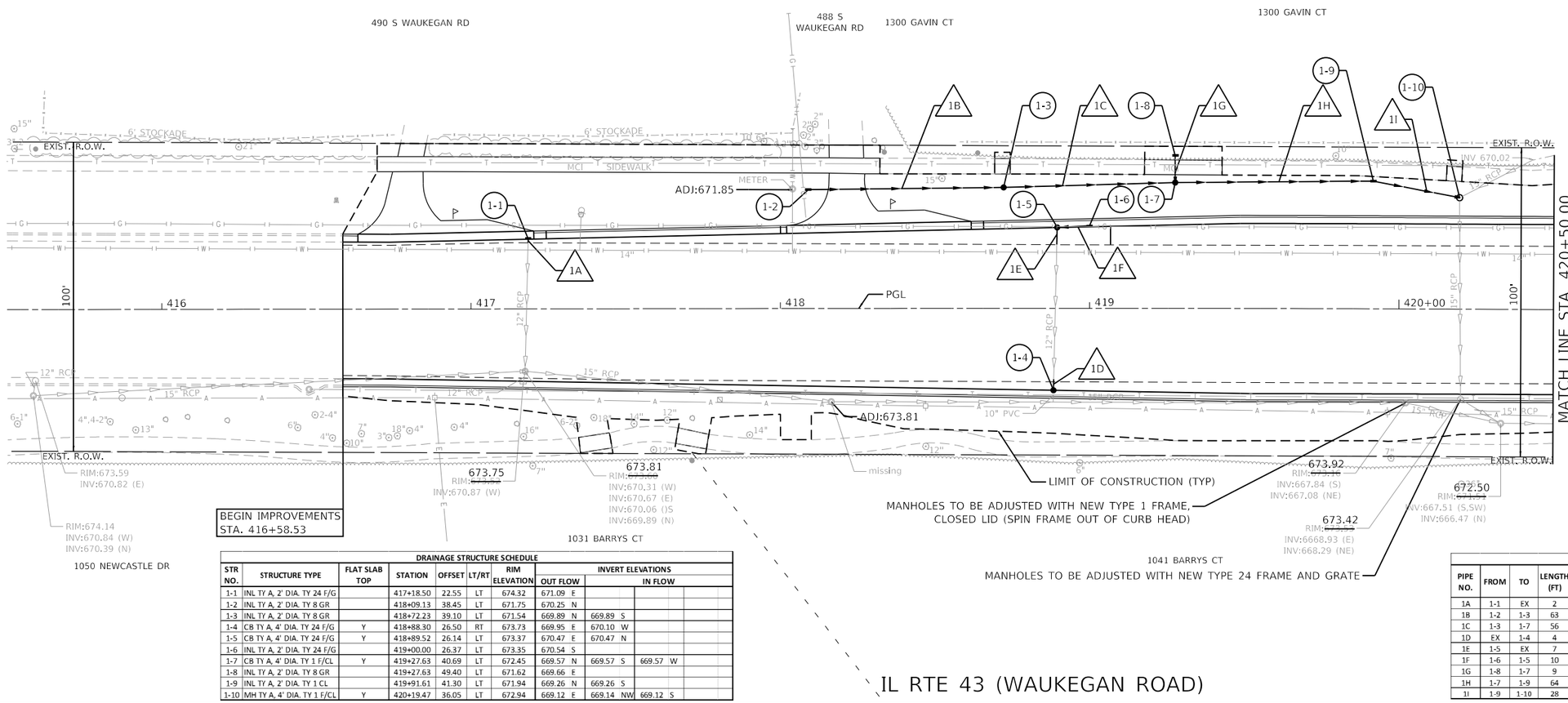
USER NAME = dolesak	DESIGNED - KLB	REVISED -	
	DRAWN - GHA	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - KLB	REVISED -	
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL EROSION AND SEDIMENT CONTROL DETAILS
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	49
		CONTRACT NO. 61L42		
	ILLINOIS FED. AID PROJECT			

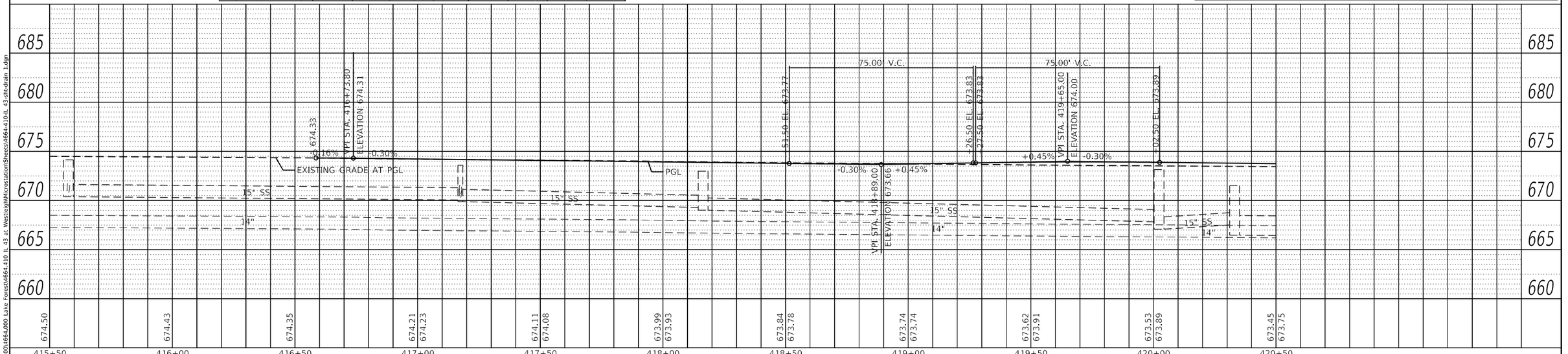


DRAINAGE STRUCTURE SCHEDULE

STR NO.	STRUCTURE TYPE	FLAT SLAB TOP	STATION	OFFSET	LT/RT	RIM ELEVATION	INVERT ELEVATIONS OUT FLOW		IN FLOW		
1-1	INL TY A, 2' DIA. TY 24 F/G		417+18.50	22.55	LT	674.32	671.09	E			
1-2	INL TY A, 2' DIA. TY 8 GR		418+09.13	38.45	LT	671.75	670.25	N			
1-3	INL TY A, 2' DIA. TY 8 GR		418+72.23	39.10	LT	671.54	669.89	N	669.89	S	
1-4	CB TY A, 4' DIA. TY 24 F/G	Y	418+88.30	26.50	RT	673.73	669.95	E	670.10	W	
1-5	CB TY A, 4' DIA. TY 24 F/G	Y	418+89.52	26.14	LT	673.37	670.47	E	670.47	N	
1-6	INL TY A, 2' DIA. TY 24 F/G		419+00.00	26.37	LT	673.35	670.54	S			
1-7	CB TY A, 4' DIA. TY 1 F/CL	Y	419+27.63	40.69	LT	672.45	669.57	N	669.57	S	669.57 W
1-8	INL TY A, 2' DIA. TY 8 GR		419+27.63	49.40	LT	671.62	669.66	E			
1-9	INL TY A, 2' DIA. TY 1 CL		419+91.61	41.30	LT	671.94	669.26	N	669.26	S	
1-10	MH TY A, 4' DIA. TY 1 F/CL	Y	420+19.47	36.05	LT	672.94	669.12	E	669.14	NW	669.12 S

STORM SEWER SCHEDULE

PIPE NO.	FROM	TO	LENGTH (FT)	SIZE (IN)	TYPE	SLOPE (%)	UPSTREAM INVERT	DOWNSTREAM INVERT	TRENCH BACKFILL (CY)
1A	1-1	EX	2	12	RCP WMQP	2.00%	671.09	671.05	0.3
1B	1-2	1-3	63	10	PVC	0.57%	670.25	669.89	0.5
1C	1-3	1-7	56	10	PVC	0.57%	669.89	669.57	7.2
1D	EX	1-4	4	12	RCP	0.75%	670.13	670.10	0.7
1E	1-5	EX	7	12	RCP WMQP	0.71%	670.47	670.42	0.8
1F	1-6	1-5	10	12	RCP WMQP	0.70%	670.54	670.47	1.1
1G	1-8	1-7	9	12	PVC	1.00%	669.66	669.57	1.2
1H	1-7	1-9	64	12	PVC	0.48%	669.57	669.26	3.3
1I	1-9	1-10	28	12	PVC	0.50%	669.26	669.12	4.0



V:1"=5'

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

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

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: Default
FILE NAME: G:\4600\d664.000 Lake Forest\d664.410 IL 43 at Westleigh\Microstation\Sheets\d664-410-IL 43-sht-drain 1.dgn

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	DRAWN - GHA	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KLB	REVISED -	
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -	

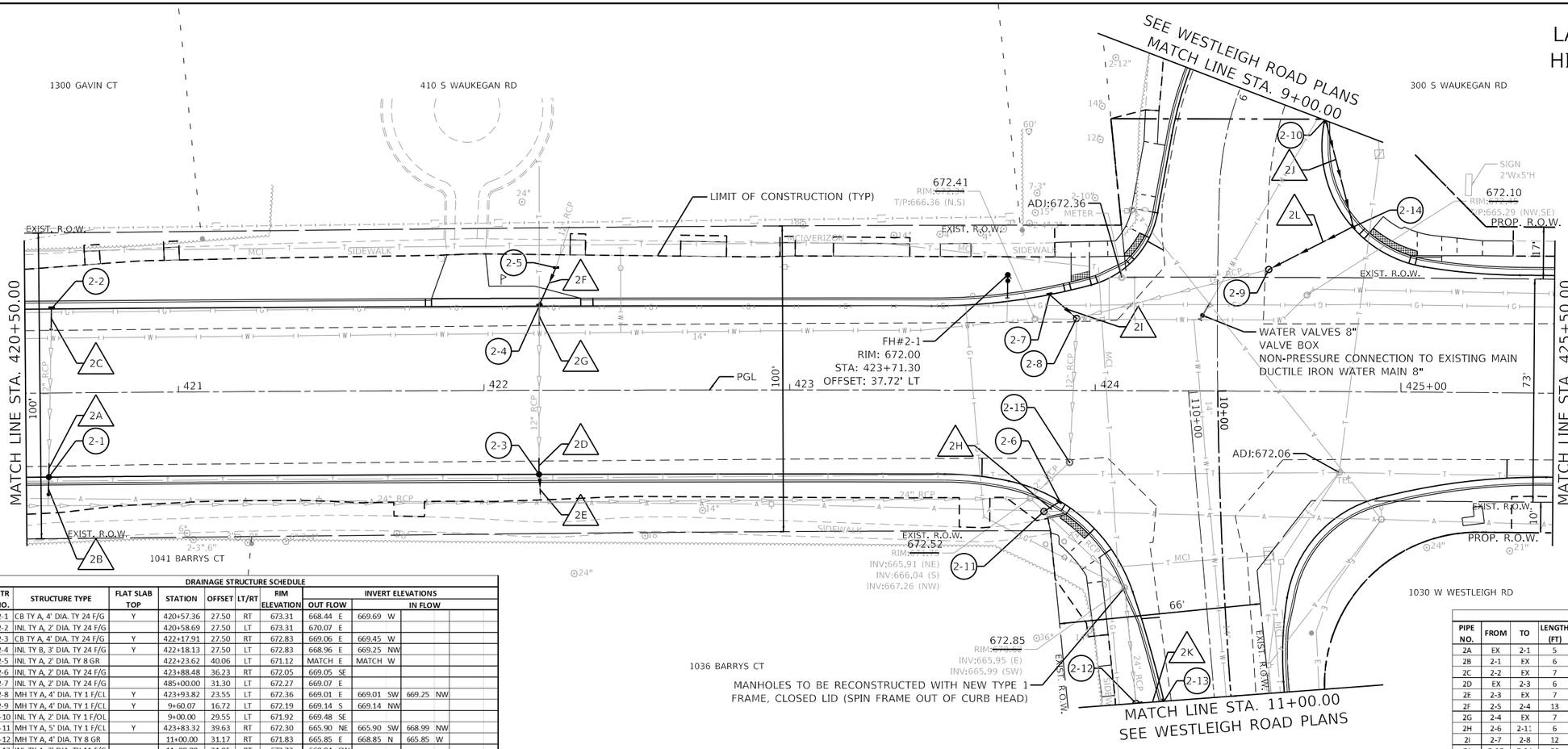
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY PLANS
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

SCALE: H: 1"=20' | SHEET 1 OF 7 SHEETS | STA. 415+50.00 | TO STA. 420+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	50
		CONTRACT NO. 61L42		
		ILLINOIS	FED. AID PROJECT	

LAKE FOREST HIGH SCHOOL



NOTE:
ALL BENDS, TEES, CAPS, REDUCERS, AND FITTINGS REQUIRED FOR THE WATER MAIN RELATED WORK SHALL BE INCLUDED IN THE COST OF THE WATER VALVES 8" PAY ITEM.

CONTRACTOR SHALL COORDINATE WITH CITY OF LAKE FOREST BEFORE SHUT DOWN OF WATER MAIN FOR WATER VALVE REPLACEMENT. CITY TO ADD MISSING BOLT ON ADJACENT VALVE DURING THIS TIME.

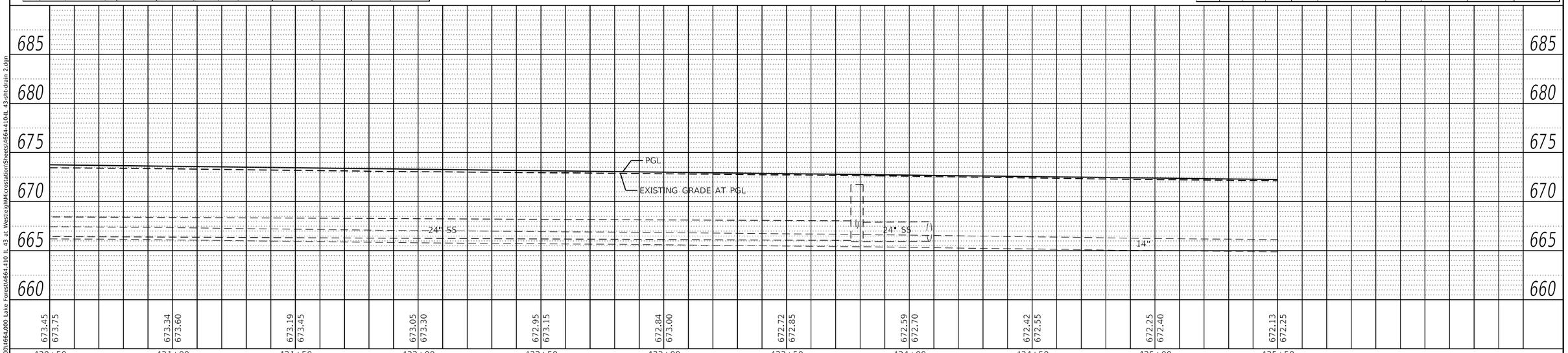
DRAINAGE STRUCTURE SCHEDULE

STR NO.	STRUCTURE TYPE	FLAT SLAB TOP	STATION	OFFSET	LT/RT	RIM ELEVATION	INVERT ELEVATIONS OUT FLOW		IN FLOW			
2-1	CB TY A, 4' DIA. TY 24 F/G	Y	420+57.36	27.50	RT	673.31	668.44	E	669.69	W		
2-2	INL TY A, 2' DIA. TY 24 F/G		420+58.69	27.50	LT	673.31	670.07	E				
2-3	CB TY A, 4' DIA. TY 24 F/G	Y	422+17.91	27.50	RT	672.83	669.06	E	669.45	W		
2-4	INL TY B, 3' DIA. TY 24 F/G	Y	422+18.13	27.50	LT	672.83	668.96	E	669.25	NW		
2-5	INL TY A, 2' DIA. TY 8 GR		422+23.62	40.06	LT	671.12	MATCH	E	MATCH	W		
2-6	INL TY A, 2' DIA. TY 24 F/G		423+88.48	36.23	RT	672.05	669.05	SE				
2-7	INL TY A, 2' DIA. TY 24 F/G		485+00.00	31.30	LT	672.27	669.07	E				
2-8	MH TY A, 4' DIA. TY 1 F/CL	Y	423+93.82	23.55	LT	672.36	669.01	E	669.01	SW	669.25	NW
2-9	MH TY A, 4' DIA. TY 1 F/CL	Y	9+60.07	16.72	LT	672.19	669.14	S	669.14	NW		
2-10	INL TY A, 2' DIA. TY 1 F/OL		9+00.00	29.55	LT	671.92	669.48	SE				
2-11	MH TY A, 5' DIA. TY 1 F/CL	Y	423+83.32	39.63	RT	672.30	665.90	NE	665.90	SW	668.99	NW
2-12	MH TY A, 4' DIA. TY 8 GR		11+00.00	31.17	RT	671.83	665.85	E	668.85	N	665.85	W
2-13	INL TY A, 2' DIA. TY 11 F/G		11+00.00	21.95	RT	672.72	668.94	SW				
2-14	INL TY B, 3' DIA. TY 1 F/OL	Y	9+45.48	43.86	LT	671.76	669.30	SE	669.30	W		
2-15	MH TY A, 4' DIA. TY 1 F/CL	Y	423+91.68	23.55	RT	672.37	668.74	SE	668.79	N		

STORM SEWER SCHEDULE

PIPE NO.	FROM	TO	LENGTH (FT)	SIZE (IN)	TYPE	SLOPE (%)	UPSTREAM INVERT	DOWNSTREAM INVERT	TRENCH BACKFILL (CY)
2A	EX	2-1	5	12	RCP	0.80%	669.73	669.69	0.9
2B	2-1	EX	6	12	RCP	MATCH	668.44	BLIND	3.1
2C	2-2	EX	7	12	RCP WMQP	0.71%	670.07	670.02	1.1
2D	EX	2-3	6	12	RCP	-0.83%	669.40	669.45	1.0
2E	2-3	EX	7	12	RCP	MATCH	669.06	BLIND	2.0
2F	2-5	2-4	13	12	RCP WMQP	MATCH	MATCH	669.25	3.5
2G	2-4	EX	7	12	RCP WMQP	-0.86%	668.96	669.02	1.5
2H	2-6	2-11	6	12	RCP	1.00%	669.05	668.99	1.3
2I	2-7	2-8	12	12	DIP	0.50%	669.07	669.01	1.7
2J	2-10	2-14	36	12	DIP	0.50%	669.48	669.30	4.9
2K	2-13	2-12	9	12	RCP	1.00%	668.94	668.85	2.1
2L	2-14	2-9	31	12	DIP	0.52%	669.30	669.14	2.9

IL RTE 43 (WAUKEGAN ROAD)



V:1"=5'

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

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

GEWALT HAMILTON ASSOCIATES, INC.
MODEL: Default
FILE NAME: G:\l4600\e664-410 IL 43 at Westleigh\Microstation\Sheets\e664-410-IL 43-sht-drain 2.dgn

USER NAME = dolesak	DESIGNED - KLB	REVISED -
	DRAWN - GHA	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - KLB	REVISED -
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

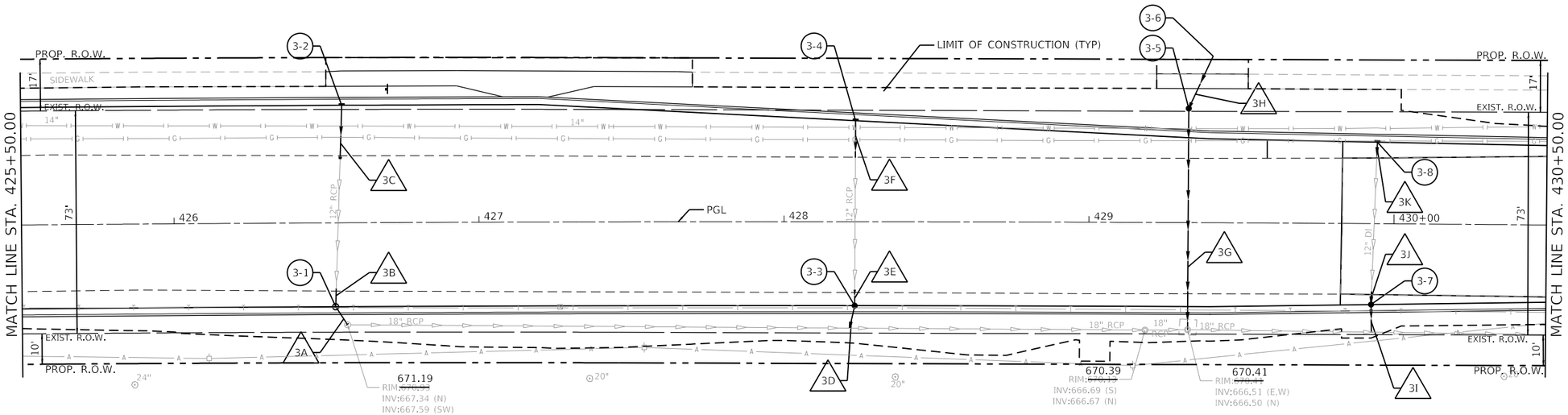
DRAINAGE AND UTILITY PLANS
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH RD

SCALE: H: 1"=20' | SHEET 2 OF 7 SHEETS | STA. 420+50.00 | TO STA. 425+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	51
		CONTRACT NO. 61L42		
		ILLINOIS	FED. AID PROJECT	

LAKE FOREST HIGH SCHOOL

300 S WAUKEGAN RD



1030 W WESTLEIGH RD

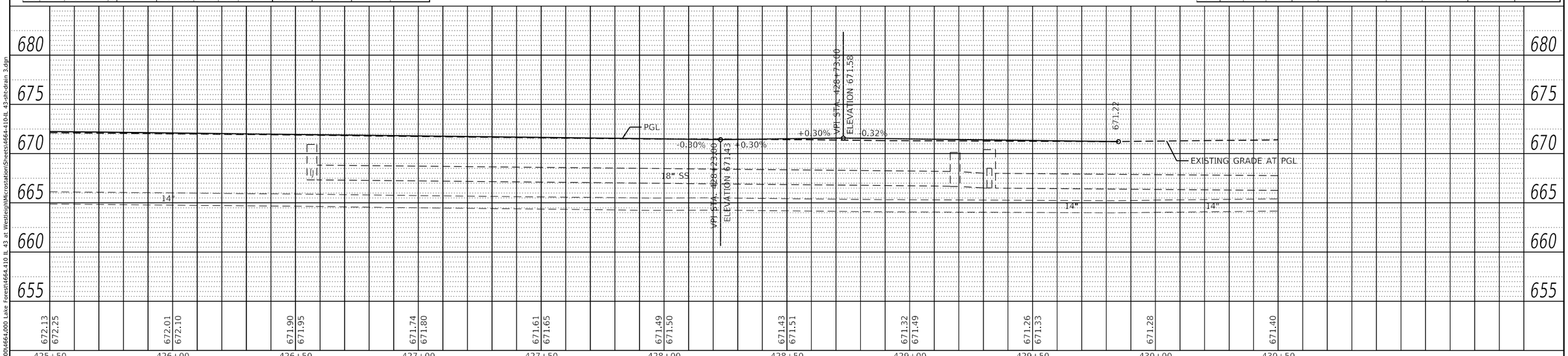
DRAINAGE STRUCTURE SCHEDULE

STR NO.	STRUCTURE TYPE	FLAT SLAB TOP	STATION	OFFSET	LT/RT	RIM ELEVATION	INVERT ELEVATIONS OUT FLOW		INVERT ELEVATIONS IN FLOW	
3-1	MH TY A, 4' DIA. TY 24 F/G	Y	426+52.86	27.50	RT	671.53	667.65	NE	668.43	W
3-2	INL TY A, 2' DIA. TY 24 F/G		426+55.19	38.50	LT	671.36	668.81	E		
3-3	CB TY A, 4' DIA. TY 24 F/G	Y	428+23.19	27.50	RT	670.92	667.25	E	668.11	W
3-4	INL TY A, 2' DIA. TY 24 F/G		428+23.46	33.10	LT	670.81	668.84	E		
3-5	CB TY A, 4' DIA. TY 1 F/CL	Y	429+32.54	37.40	LT	669.74	666.75	NW	666.75	E
3-6	15" PVC DOUBLE BARREL		429+40.46	54.58	LT	-	666.82	SE	-	
3-7	CB TY A, 4' DIA. TY 24 F/G	Y	429+92.66	26.51	RT	670.60	667.02	E	667.71	W
3-8	INL TY A, 2' DIA. TY 24 F/G		429+94.38	26.72	LT	670.77	668.19	E		

STORM SEWER SCHEDULE

PIPE NO.	FROM	TO	LENGTH (FT)	SIZE (IN)	TYPE	SLOPE (%)	UPSTREAM INVERT	DOWNSTREAM INVERT	TRENCH BACKFILL (CY)
3A	3-1	EX	6	12	RCP	1.00%	667.65	667.59	1.7
3B	EX	3-1	6	12	RCP	0.60%	668.47	668.43	0.8
3C	3-2	EX	18	12	DIP	0.61%	668.81	668.70	1.5
3D	3-3	EX	8	12	RCP	MATCH	667.25	BLIND	2.1
3E	EX	3-3	5	12	RCP	1.20%	668.17	668.11	0.5
3F	3-4	EX	12	12	DIP	1.17%	668.84	668.70	0.3
3G	3-5	EX	73	18	DIP	0.33%	666.75	666.51	8.0
3H	3-6	3-5	19	15	PVC DOUBLE BARREL	0.37%	666.82	666.75	6.5
3I	3-7	EX	9	12	DIP	MATCH	667.02	BLIND	2.2
3J	EX	3-7	4	12	DIP	0.90%	667.75	667.71	0.4
3K	3-8	EX	5	12	DIP	1.20%	668.19	668.13	0.4

IL RTE 43 (WAUKEGAN ROAD)



V:1"=5'

USER NAME = dolesak	DESIGNED - KLB	REVISED -
	DRAWN - GHA	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - KLB	REVISED -
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY PLANS

IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

SCALE: H: 1"=20' | SHEET 3 OF 7 SHEETS | STA. 425+50.00 | TO STA. 430+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	52
		CONTRACT NO. 61L42		
	ILLINOIS	FED. AID PROJECT		

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

PROFILE: SURVEYED, PLOTTED, XSECTIONS CHECKED, B.M. NOTED, STRUCTURE NO., BY, DATE

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: Default
FILE NAME: G:\4600\4664.000 Lake Forest\4664.410 IL 43 at Westleigh\Microstation\Sheets\4664-410-L 43-sht-drain 3.dgn

LAKE FOREST
HIGH SCHOOL

CONNECTIONS
ACADEMY EAST

300 S WAUKEGAN RD

1030 W WESTLEIGH RD

END IMPROVEMENTS
STA. 432+14.82

LIMIT OF CONSTRUCTION (TYP)

PROP. R.O.W.

EXIST. R.O.W.

MATCH LINE STA. 430+50.00

PGL

4" FLEX

CHAINLINK

SIDEWALK

4' CHAIN LINK

RIM:668.72

RIM:669.25

DRY WELL

8" SAN

RIM:671.34
INV:667.66 (NW)
INV:667.39 (E)

RIM:670.89
INV:668.08 (E)

RIM:670.58
INV:665.93 (S)
INV:N.A. (N)
FILLED WITH DEBRIS

RIM:670.36
INV:665.71 (SE)
INV:665.68 (SE)
INV:665.61 (N,S)

RIM:670.38
INV:666.73 (W)
INV:665.50 (S)
INV:665.48 (N)

RIM:671.07
INV:666.57 (NW)
INV:664.79 (SW)
INV:664.67 (S)
INV:664.49 (N)

RIM:670.72
INV:667.09 (SE)

RIM:671.79
INV:663.29 (S)
INV:659.43 (N)

RIM:671.76
INV:665.66 (S)

INV:668.01

RIM:668.03

IL RTE 43 (WAUKEGAN ROAD)

EXISTING GRADE AT PGL

18" SS

14"

671.40	671.52	671.43	671.34	671.31	671.30	671.49	671.70	672.18	672.65
430+50	431+00	431+50	432+00	432+50	433+00	433+50	434+00	434+50	435+00

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

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

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: Default
FILE NAME: G:\4600\4664.000 Lake Forest\4664.410 IL 43 at Westleigh\Microstation\Sheets\4664-410-IL 43-sht-drain 4.dgn

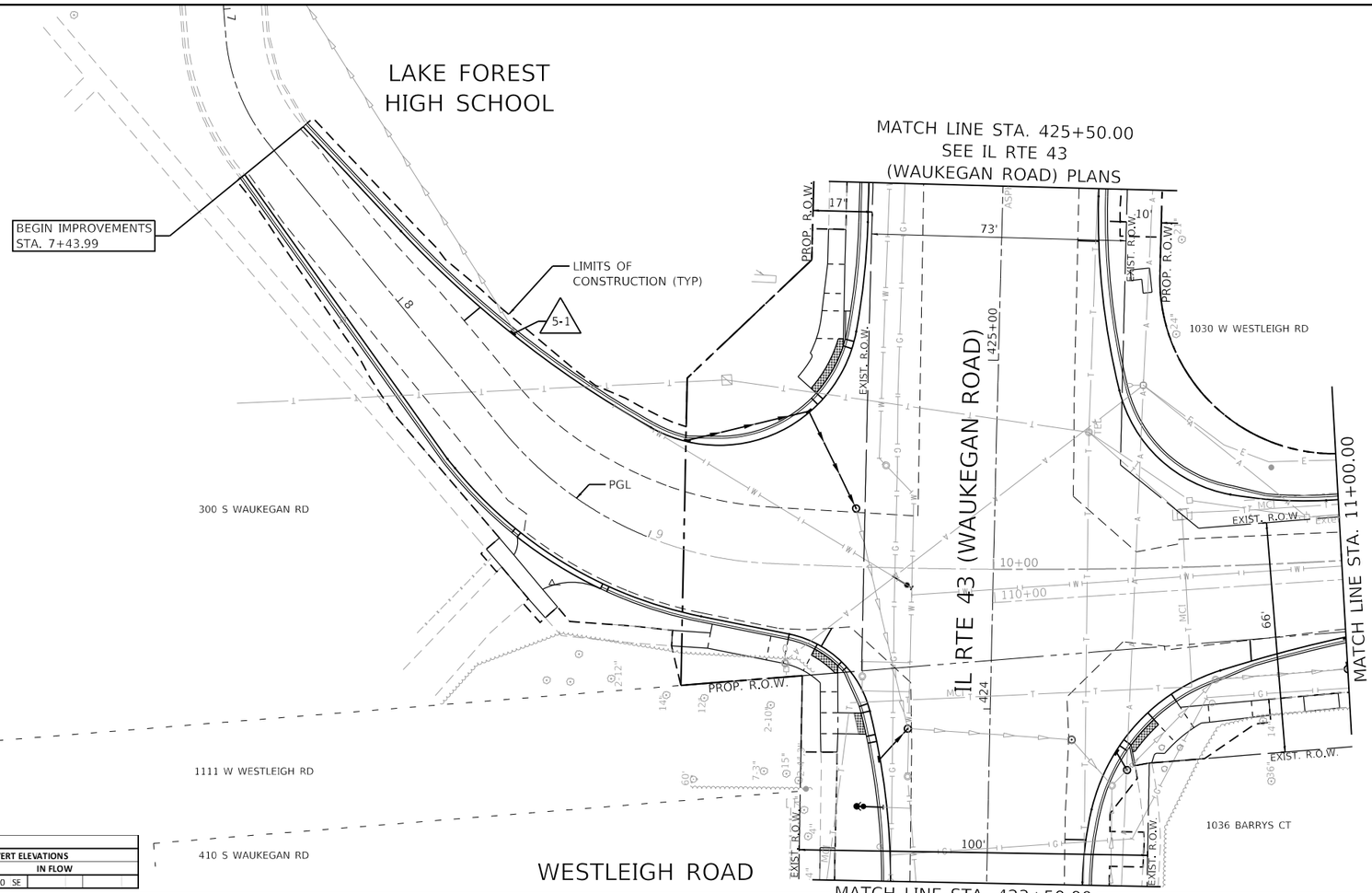
USER NAME = dolesak		DESIGNED - KLB	REVISED -	
		DRAWN - GHA	REVISED -	
PLOT SCALE = 40.0000 ' / in.		CHECKED - KLB	REVISED -	
PLOT DATE = 10/29/2025		DATE - 10/29/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

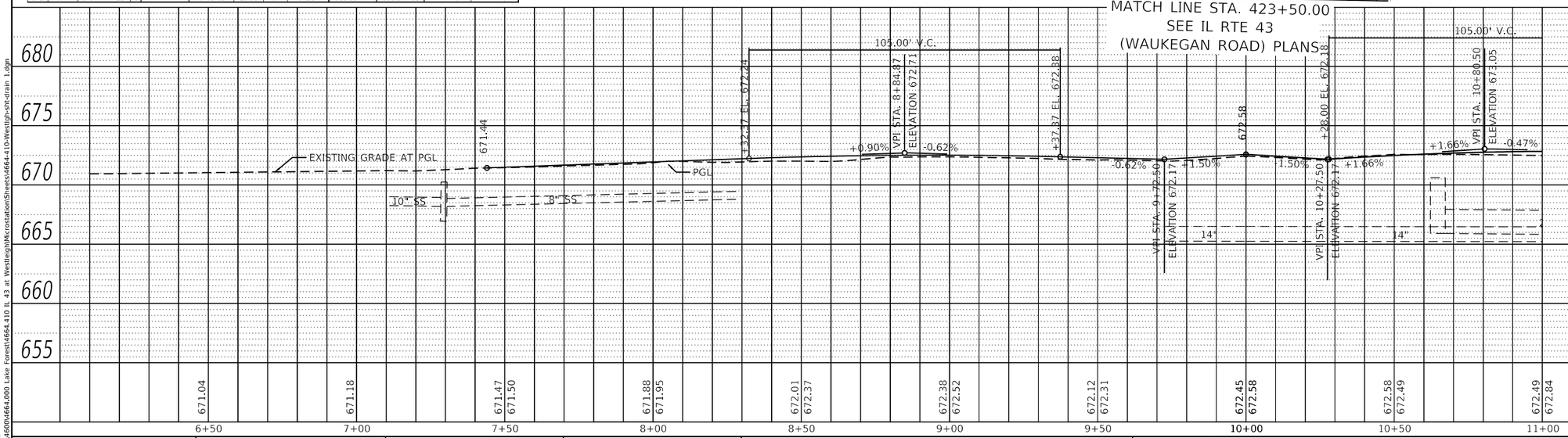
DRAINAGE AND UTILITY PLANS
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

SCALE: H: 1"=20' | SHEET 4 OF 7 SHEETS | STA. 430+50.00 | TO STA. 435+00.00
V:1"=5'

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	53
		CONTRACT NO. 61L42		
		ILLINOIS	FED. AID PROJECT	



DRAINAGE STRUCTURE SCHEDULE								
STR NO.	STRUCTURE TYPE	FLAT SLAB TOP	STATION	OFFSET	LT/RT	RIM ELEVATION	INVERT ELEVATIONS	
							OUT FLOW	IN FLOW
5-1	INL TY A, 2' DIA, TY 11 F/G		8+28.01	19.59	LT	671.54	668.80 NW	668.80 SE



V:1"=5'

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

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

GEWALT HAMILTON ASSOCIATES, INC.

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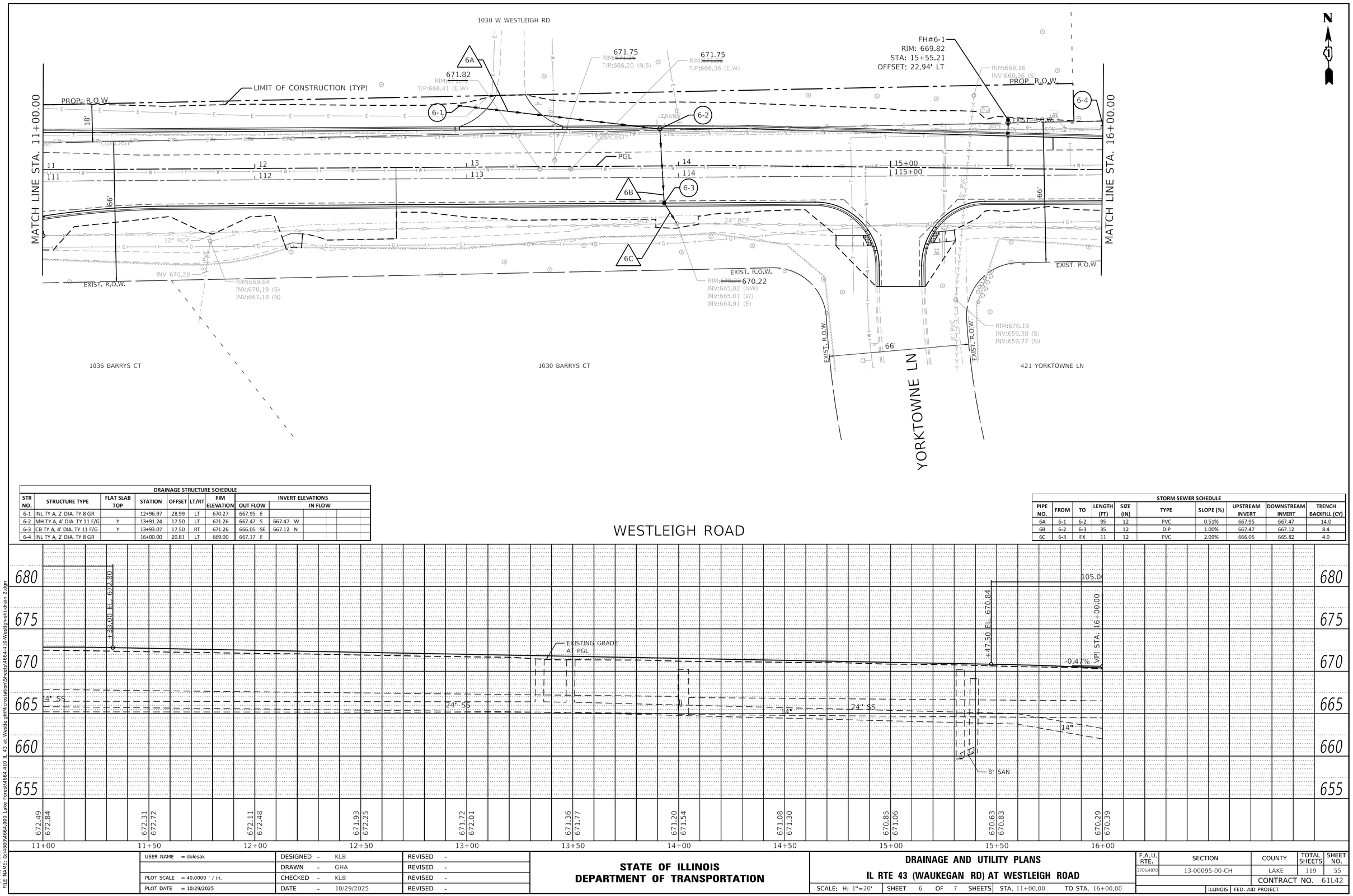
USER NAME = dolesak		DESIGNED - KLB		REVISED -	
		DRAWN - GHA		REVISED -	
PLOT SCALE = 40.0000 ' / in.		CHECKED - KLB		REVISED -	
PLOT DATE = 10/29/2025		DATE - 10/29/2025		REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY PLANS
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

SCALE: H: 1"=20' | SHEET 5 OF 7 SHEETS | STA. 6+50.00 | TO STA. 11+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2705/4070	13-00095-00-CH	LAKE	119	54
		CONTRACT NO. 61L42		
		ILLINOIS	FED. AID PROJECT	



N

DRAINAGE STRUCTURE SCHEDULE										
STR NO.	STRUCTURE TYPE	FLAT SLAB TOP	STATION	OFFSET	LT/RT	RIM ELEVATION	INVERT ELEVATIONS			
							OUT FLOW	IN FLOW		
6-1	INL TY A, 2' DIA. TY 8 GR		12+96.97	28.99	LT	670.27	667.95 E			
6-2	MH TY A, 4' DIA. TY 11 F/G	Y	13+91.24	17.50	LT	671.26	667.47 S	667.47 W		
6-3	CB TY A, 4' DIA. TY 11 F/G	Y	13+93.07	17.50	RT	671.26	666.05 SE	667.12 N		
6-4	INL TY A, 2' DIA. TY 8 GR		16+00.00	20.81	LT	669.00	667.17 E			

STORM SEWER SCHEDULE									
PIPE NO.	FROM	TO	LENGTH (FT)	SIZE (IN)	TYPE	SLOPE (%)	UPSTREAM INVERT	DOWNSTREAM INVERT	TRENCH BACKFILL (CY)
6A	6-1	6-2	95	12	PVC	0.51%	667.95	667.47	14.0
6B	6-2	6-3	35	12	DIP	1.00%	667.47	667.12	8.4
6C	6-3	EX	11	12	PVC	2.09%	666.05	665.82	4.0

WESTLEIGH ROAD

V:1"=5'

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

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

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: Default
FILE NAME: G:\4600\4664.000 Lake Forest\4664.410 IL 43 at Westleigh\Microstation\Sheets\4664-410-Westlgh-sht-drain 2.dgn

USER NAME = dolesak	DESIGNED - KLB	REVISED -	
	DRAWN - GHA	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KLB	REVISED -	
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY PLANS
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

SCALE: H: 1"=20' | SHEET 6 OF 7 SHEETS | STA. 11+00.00 | TO STA. 16+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	55
		CONTRACT NO. 61L42		
		ILLINOIS	FED. AID PROJECT	

990 W WESTLEIGH RD

960 W WESTLEIGH RD

421 YORKTOWNE LN

WESTLEIGH ROAD

N

MATCH LINE STA. 16+00.00

668.94
RIM:~~669.18~~
T/P:660.36 (N,S)

7A

7-1

LIMIT OF CONSTRUCTION (TYP)

EXIST. R.O.W.

PGL

66'

24.5'

RIM:666.02
INV 663.61 (N)
INV:663.62 (E)

RIM:666.09
INV 663.55 (W)

INV 663.53

INV 663.55

15" CMP

INV 664.14

12" RCP

12" RCP

18" CMP

MCI

INV 660.70

INV 660.83

24" RCP

12" RCP

INV 664.17

RIM:666.13
INV:663.67 (S)
INV:663.69 (E)

INV 663.54

RIM:666.19
INV:663.93 (W)

INV 663.06

RIM:668.05
INV:664.14 (E)
INV:664.23 (W)

END IMPROVEMENTS
STA. 17+55.67

DRAINAGE STRUCTURE SCHEDULE

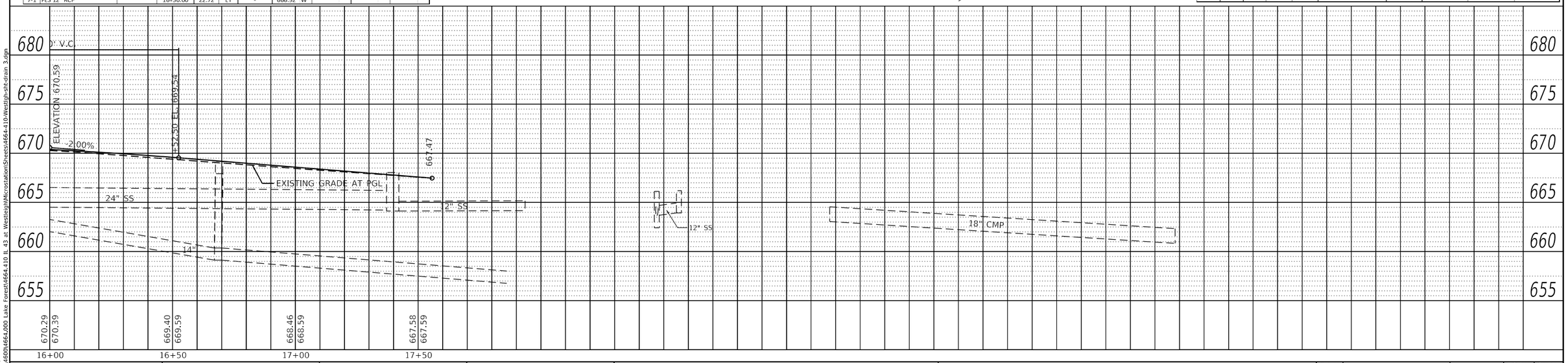
STR NO.	STRUCTURE TYPE	FLAT SLAB TOP	STATION	OFFSET	LT/RT	RIM ELEVATION	INVERT ELEVATIONS	
							OUT FLOW	IN FLOW
7-1	FES 12" RCP		16+50.00	22.72	LT	-	666.92 W	

STORM SEWER SCHEDULE

PIPE NO.	FROM	TO	LENGTH (FT)	SIZE (IN)	TYPE	SLOPE (%)	UPSTREAM INVERT	DOWNSTREAM INVERT	TRENCH BACKFILL (CY)
7A	6-4	7-1	50	12	PVC	0.50%	667.17	666.92	2.2

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

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



USER NAME = dolesak		DESIGNED - KLB		REVISED -	
		DRAWN - GHA		REVISED -	
PLOT SCALE = 40.0000 ' / in.		CHECKED - KLB		REVISED -	
PLOT DATE = 10/29/2025		DATE - 10/29/2025		REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY PLANS
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

SCALE: H: 1"=20' V:1"=5' | SHEET 7 OF 7 SHEETS | STA. 16+00.00 | TO STA. 17+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	56
		CONTRACT NO. 61L42		
		ILLINOIS	FED. AID PROJECT	

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: Default
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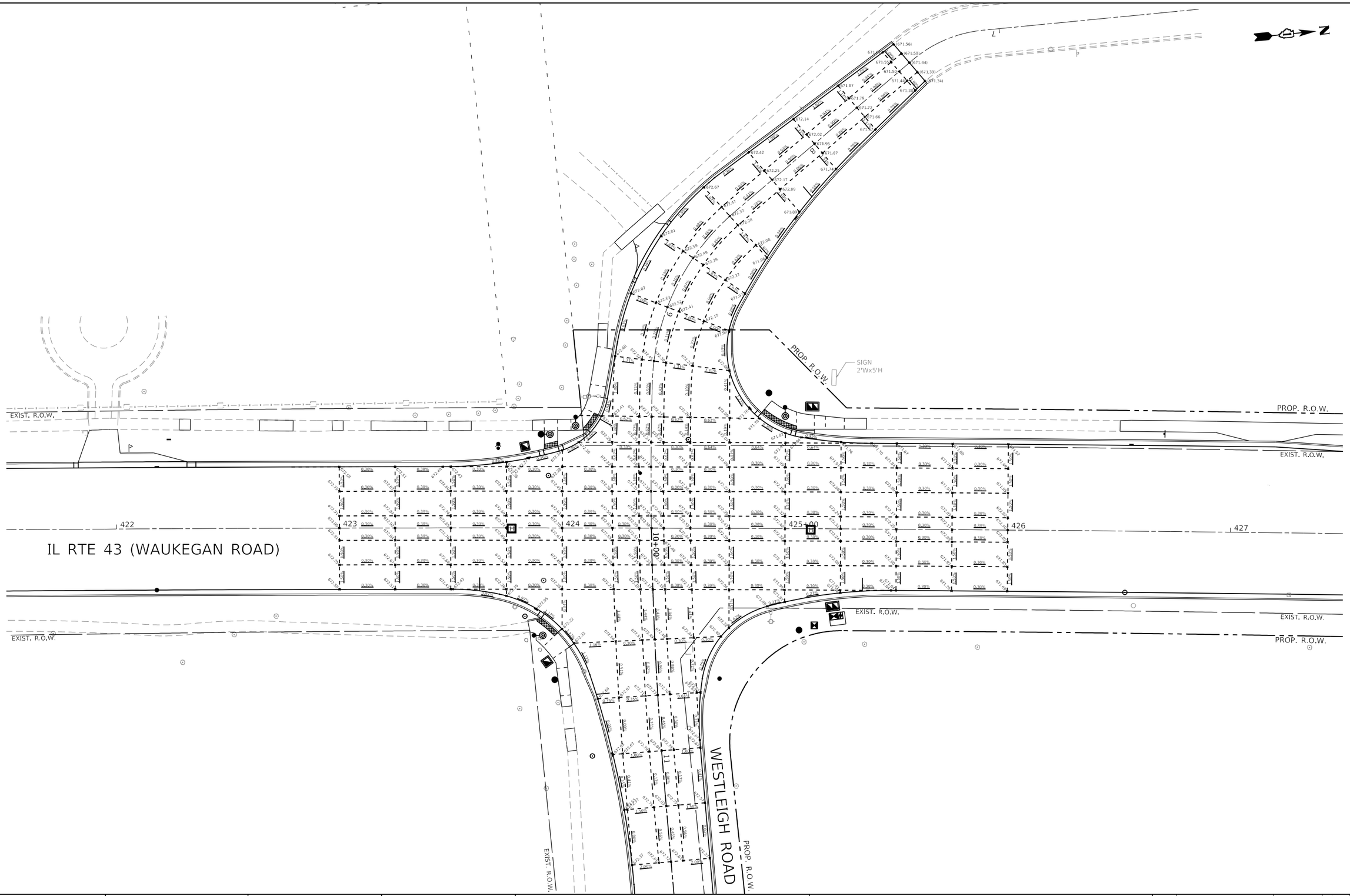

GHA GEWALT HAMILTON ASSOCIATES, INC.

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USER NAME = dolesak	DESIGNED - KLB	REVISED -
	DRAWN - GHA	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - KLB	REVISED -
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION GRADING DETAIL PLANS
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

SCALE: 1"=20' | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	57
		CONTRACT NO. 61L42		
		ILLINOIS	FED. AID PROJECT	

N

EXIST. R.O.W.

EXIST. R.O.W.

670.96 0.47% 670.85 0.47% 670.74 0.47% 670.63 0.47% 670.52

2.00% 2.00% 2.00% 2.00% 2.00%

671.30 0.47% 671.18 0.47% 671.06 15+00 670.94 0.47% 670.83 WESTLEIGH ROAD

0.47%

2.00% 2.00% 2.00% 2.00% 2.00%

670.96 0.47% 670.89 670.85 0.47% 670.76 670.74 670.72 0.47% 670.67 670.63 0.47% 670.54 670.52

1.44% 0.82%

2.00% 2.00% 2.00%

670.32 0.47% 0.47% 670.23

670.33 670.28 670.22

670.06 669.91

3.22% 1.67% 2.70%

(669.74) 2.40% 2.40%

(669.98) (669.74)

EXIST. R.O.W.

EXIST. R.O.W.

EXIST. R.O.W.

EXIST. R.O.W.

YORKTOWNE LANE

GHA GEWALT HAMILTON ASSOCIATES, INC.

MODEL: Default
FILE NAME: G:\46004664.000 Lake Forest\4664.410 IL 43 at Westleigh\Microstation\Sheets\4664-410-sht-Grade 2.dgn

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	DRAWN - GHA	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED - KLB	REVISED -
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION GRADING DETAIL PLANS
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	58
		CONTRACT NO. 61L42		
		ILLINOIS FED. AID PROJECT		

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
AA	423+90	32.4' L	672.29
AB	423+89.4	34.9' L	672.67
AC	423+92	32.8' L	672.30
AD	423+91.5	34.8' L	672.20
AE	423+91.4	35.3' L	672.24
AF	423+92	35.5' L	672.24
AG	423+98.7	34.5' L	672.33
AH	423+98.1	36.4' L	672.23
AI	423+98	37.0' L	672.27
AJ	424+00.7	35.2' L	672.34
AK	423+99.9	37.6' L	672.72
AL	424+11.1	41.5' L	672.40
AM	424+10	42.6' L	672.84
AN	424+12.6	42.9' L	672.41
AO	424+11.8	43.6' L	672.36
AP	424+11.4	44.0' L	672.40
AQ	424+17.5	50.0' L	672.45
AR	424+16.6	50.5' L	672.40
AS	424+16.1	50.7' L	672.44
AT	424+20.2	58.2' L	672.52
AU	424+18.6	58.4' L	672.96

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
AV	424+21	63.1' L	672.56
AW	424+19.5	63.4' L	673.00
AX	424+24	80.0' L	672.70
AY	424+22.5	80.3' L	673.14
BA	423+86.6	48.3' L	(672.43)
BB	423+86.7	43.7' L	(672.31)
BC	423+91.9	48.6' L	672.39
BD	423+92	43.6' L	672.32
BE	423+92	37.0' L	672.26
BF	423+97.9	48.7' L	672.44
BG	423+98	43.7' L	672.37
BH	424+03.8	48.8' L	672.51
BI	424+03.9	43.8' L	672.44
BJ	424+06.4	48.9' L	672.50
BK	424+09.8	53.9' L	672.54
BL	424+11.7	59.7' L	673.00
BM	424+12.6	64.6' L	673.07
BN	424+15.6	81.5' L	673.21
BO	424+20	80.7' L	673.16
BP	424+16	91.9' L	(673.03)
BQ	424+20.4	91.6' L	(672.94)

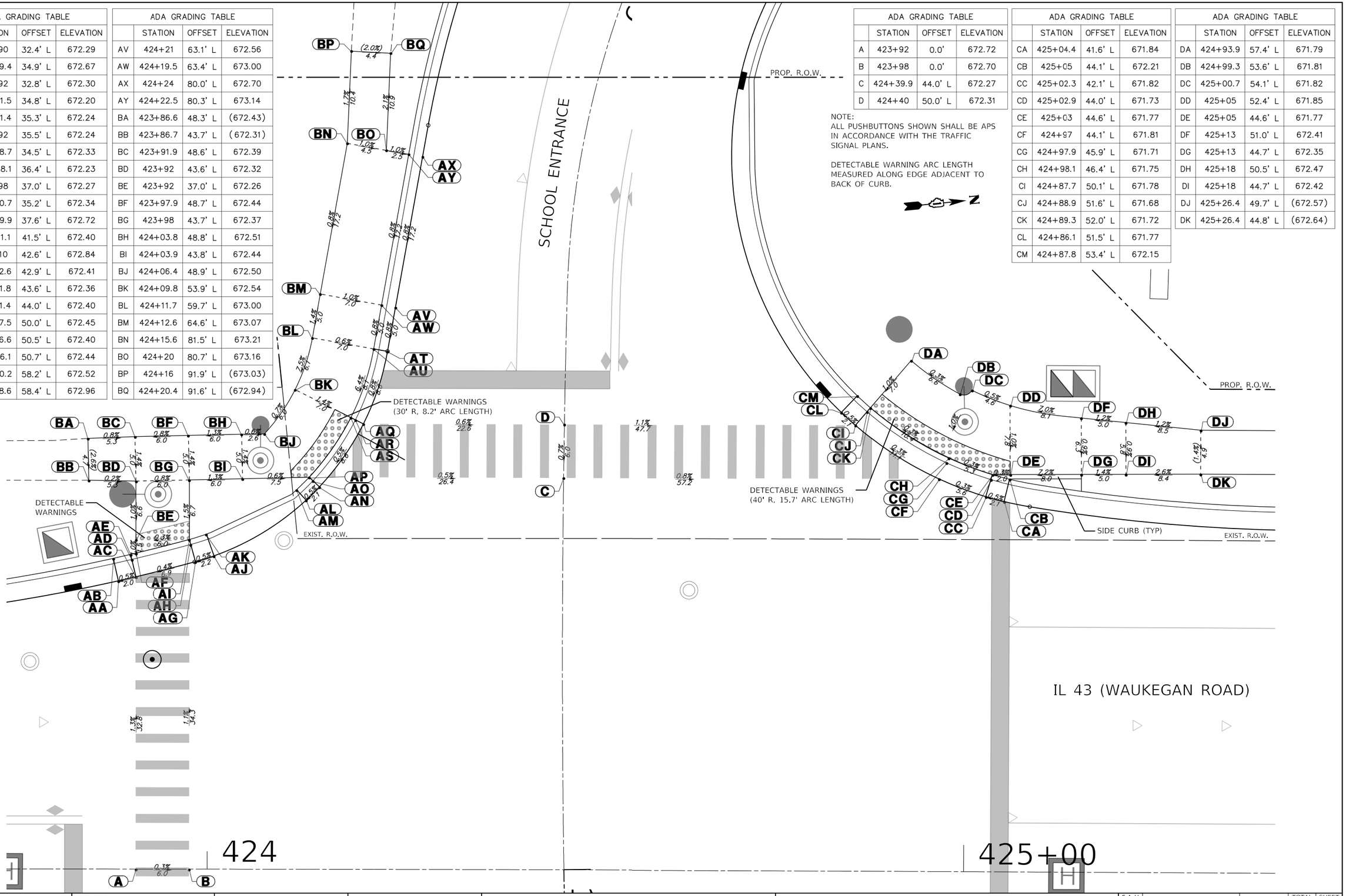
ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
A	423+92	0.0'	672.72
B	423+98	0.0'	672.70
C	424+39.9	44.0' L	672.27
D	424+40	50.0' L	672.31

NOTE:
ALL PUSHBUTTONS SHOWN SHALL BE APS IN ACCORDANCE WITH THE TRAFFIC SIGNAL PLANS.

DETECTABLE WARNING ARC LENGTH MEASURED ALONG EDGE ADJACENT TO BACK OF CURB.

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
CA	425+04.4	41.6' L	671.84
CB	425+05	44.1' L	672.21
CC	425+02.3	42.1' L	671.82
CD	425+02.9	44.0' L	671.73
CE	425+03	44.6' L	671.77
CF	424+97	44.1' L	671.81
CG	424+97.9	45.9' L	671.71
CH	424+98.1	46.4' L	671.75
CI	424+87.7	50.1' L	671.78
CJ	424+88.9	51.6' L	671.68
CK	424+89.3	52.0' L	671.72
CL	424+86.1	51.5' L	671.77
CM	424+87.8	53.4' L	672.15

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
DA	424+93.9	57.4' L	671.79
DB	424+99.3	53.6' L	671.81
DC	425+00.7	54.1' L	671.82
DD	425+05	52.4' L	671.85
DE	425+05	44.6' L	671.77
DF	425+13	51.0' L	672.41
DG	425+13	44.7' L	672.35
DH	425+18	50.5' L	672.47
DI	425+18	44.7' L	672.42
DJ	425+26.4	49.7' L	(672.57)
DK	425+26.4	44.8' L	(672.64)



USER NAME = dolesak	DESIGNED - KLB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ADA GRADING DETAILS	
	DRAWN - GHA	REVISED -		IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD	
PLOT SCALE = 10.0000 ' / in.	CHECKED - KLB	REVISED -		SCALE: 1"=5' SHEET 1 OF 3 SHEETS STA. TO STA.	
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -			

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	59
		CONTRACT NO. 61L42		
	ILLINOIS FED. AID PROJECT			

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: Default
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424

425+00

10+00

IL 43 (WAUKEGAN ROAD)

SIDE CURB (TYP)

DETECTABLE WARNINGS
(55' R, 9.9' ARC LENGTH)

EXIST. R.O.W.

EXIST. R.O.W.

EXIST. R.O.W.

PROP. R.O.W.

WESTLEIGH ROAD

A B C D E F G H I J K L AA AB AC AD AE AF AG AH AI AJ AK AL AM AN

N

NOTE:
ALL PUSHBUTTONS SHOWN SHALL BE APS IN ACCORDANCE WITH THE TRAFFIC SIGNAL PLANS.

DETECTABLE WARNING ARC LENGTH MEASURED ALONG EDGE ADJACENT TO BACK OF CURB.

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
A	423+92	0.0'	672.72
B	423+98	0.0'	672.70
C	423+90.3	37.3' R	672.08
D	423+88.9	39.5' R	672.46
E	423+92	38.5' R	672.10
F	423+90.9	40.2' R	672.00
G	423+90.5	40.6' R	672.04
H	423+99.9	45.2' R	672.22
I	423+98.4	46.6' R	672.12
J	423+98	47.0' R	672.16
K	424+05.4	51.9' R	672.32
L	424+03.3	53.4' R	672.70

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
AA	423+84.6	41.9' R	(672.16)
AB	423+85.6	46.7' R	(672.03)
AC	423+88.1	47.6' R	672.06
AD	423+88.3	50.3' R	672.09
AE	423+91.5	53.3' R	672.13
AF	424+01.7	54.5' R	672.69
AG	423+95.9	58.5' R	672.65
AH	423+97.3	60.6' R	672.64
AI	424+02.6	62.5' R	672.55
AJ	423+97.6	63.0' R	672.62
AK	424+04	74.9' R	672.46
AL	423+99.3	75.4' R	672.53
AM	424+00	80.3' R	(672.49)
AN	424+04.5	79.8' R	(672.26)

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: Default
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	DRAWN - GHA	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED - KLB	REVISED -	
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA GRADING DETAILS
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD
SCALE: 1"=5' | SHEET 2 OF 3 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	60
		CONTRACT NO. 61L42		
	ILLINOIS FED. AID PROJECT			

15+00

WESTLEIGH ROAD

EXIST. R.O.W.

DETECTABLE WARNINGS
(30' R, 5.5' ARC LENGTH)

DETECTABLE WARNINGS
(30' R, 5.9' ARC LENGTH)

YORKTOWNE LANE

EXIST. R.O.W.

EXIST. R.O.W.

N

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
A	15+05.1	30.9' R	670.43
B	15+05.1	36.9' R	670.31
C	14+89.7	29.7' R	670.47
D	14+88.4	30.6' R	670.91
E	14+90.9	31.4' R	670.44
F	14+90	31.9' R	670.39
G	14+89.5	32.2' R	670.43
H	14+93.5	37.1' R	670.35
I	14+92.6	37.5' R	670.30
J	14+92	37.6' R	670.34
K	14+94.1	39.2' R	670.30
L	14+92.6	39.6' R	670.74

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
AA	14+91.9	37.2' R	670.34
AB	14+87.6	37.3' R	670.44
AC	14+82.5	32.3' R	670.62
AD	14+82.6	37.3' R	670.55
AE	14+74.7	32.5' R	(670.81)
AF	14+74.6	37.3' R	(670.73)
AG	14+87.5	32.3' R	670.48

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
BA	15+21.1	27.7' R	670.32
BB	15+22.3	28.7' R	670.76
BC	15+19.9	29.5' R	670.30
BD	15+20.7	30.0' R	670.25
BE	15+21.2	30.3' R	670.29
BF	15+16.8	35.8' R	670.24
BG	15+17.8	36.1' R	670.19
BH	15+18.3	36.3' R	670.23
BI	15+16.2	37.8' R	670.22
BJ	15+17.8	38.2' R	670.66

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
CA	15+23.7	35.1' R	670.18
CB	15+26.2	29.8' R	670.23
CC	15+26.7	34.8' R	670.16
CD	15+30.4	29.3' R	(670.18)
CE	15+31	34.3' R	(670.01)
CF	15+23.2	30.1' R	670.26

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: Default
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USER NAME = dolesak	DESIGNED - KLB	REVISED -
	DRAWN - GHA	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED - KLB	REVISED -
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA GRADING DETAILS
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	61
		CONTRACT NO. 61L42		
	ILLINOIS	FED. AID PROJECT		

490 S WAUKEGAN RD

488 S WAUKEGAN RD

1300 GAVIN CT

1300 GAVIN CT

BEGIN IMPROVEMENTS
STA. 416+58.53

EXIST. R.O.W.

REMOVE AND RELOCATE SIGN PANEL (1 EA)

W3-5 36"x36"

416+58.53
11.00' LT

416+58.53
11.44' RT

416+58.53
0.61' RT

IL RTE 43 (WAUKEGAN ROAD)

416

417

418

419

420+00

419+48.86
16.50' LT

419+49.04
5.50' LT

419+49.00
5.50' RT

419+48.90
16.50' RT

100'

11'

MATCH LINE STA. 420+50.00

W3-3 30"x30"

W16-8P VARIES x 8"

REMOVE AND RELOCATE SIGN PANEL (2 EA)

EXIST. R.O.W.

S1-1 36"x36"
SIGN PANEL - TYPE 1
REMOVE SIGN PANEL - TYPE 1

W16-9P 24"x12"
REMOVE AND RELOCATE SIGN PANEL (1 EA)

PAVEMENT MARKING LEGEND

- (A) THERMOPLASTIC - LETTERS AND SYMBOLS
- (B) THERMOPLASTIC - LINE 4" SOLID WHITE
- (C) THERMOPLASTIC - LINE 4" DOUBLE YELLOW
- (D) THERMOPLASTIC - LINE 4" WHITE SKIP-DASH (10' DASH - 30' SPACE)
- (E) THERMOPLASTIC - LINE 6" SOLID WHITE
- (F) THERMOPLASTIC - LINE 6" WHITE DOTTED (2' DASH - 6' SPACE)
- (G) THERMOPLASTIC - LINE 12" SOLID YELLOW DIAGONAL (45°, 30' C-C UNLESS OTHERWISE NOTED)
- (H) THERMOPLASTIC - LINE 12" SOLID WHITE (3' C-C)
- (I) THERMOPLASTIC - LINE 24" SOLID WHITE
- (J) THERMOPLASTIC - LINE 4" WHITE DOTTED (2' DASH - 6' SPACE)
- (K) MODIFIED URETHANE PAVEMENT MARKING - LINE 4" DOUBLE YELLOW
- (L) MODIFIED URETHANE PAVEMENT MARKING - LINE 4" WHITE SKIP-DASH (10' DASH - 30' SPACE)
- (M) MODIFIED URETHANE PAVEMENT MARKING- LINE 12" SOLID YELLOW DIAGONAL (45°, 30' C-C UNLESS OTHERWISE NOTED)
- ◂ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

1300 GAVIN CT

410 S WAUKEGAN RD

R2-1 30"x36"
REMOVE AND RELOCATE SIGN PANEL (1 EA)

SPEED LIMIT 45

EXIST. R.O.W.

MATCH LINE STA. 420+50.00

416+69.44
180.31' RT

421

422

423

LTL TAPER 220'

LTL STORAGE 215'

IL RTE 43 (WAUKEGAN ROAD)

100'

11'

6'

EXIST. R.O.W.

S1-1 36"x36"
REMOVE AND RELOCATE SIGN PANEL (1 EA)

W16-7P 21"x15"
SIGN PANEL - TYPE 1
REMOVE SIGN PANEL - TYPE 1

MOUNT NO SIGNAL POLE

1041 BARRYS CT

1036 BARRYS CT

1041 BARRYS CT

SEE WESTLEIGH ROAD PLANS
MATCH LINE STA. 9+00.00

300 S WAUKEGAN RD

LAKE FOREST HIGH SCHOOL

424+34.78
64.74' LT

424+45.76
64.48' LT

424+37.19
68.51' RT

12'

10'

4'

6'

17'

11'

12'

66'

SIGN
2'Wx5'H

PROP. R.O.W.

EXIST. R.O.W.

S1-1 36"x36"
REMOVE AND RELOCATE SIGN PANEL (1 EA)

W16-7P 21"x15"
SIGN PANEL - TYPE 1
REMOVE SIGN PANEL - TYPE 1

MOUNT ON SIGNAL POLE

424

425+00

110+00

10+00

73'

MATCH LINE STA. 425+50.00

SPEED LIMIT 45

R2-1 30"x36"
REMOVE AND RELOCATE SIGN PANEL (1 EA)

MATCH LINE STA. 11+00.00
SEE WESTLEIGH ROAD PLANS

1030 W WESTLEIGH RD

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: Default
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	DRAWN - GHA	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KLB	REVISED -	
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

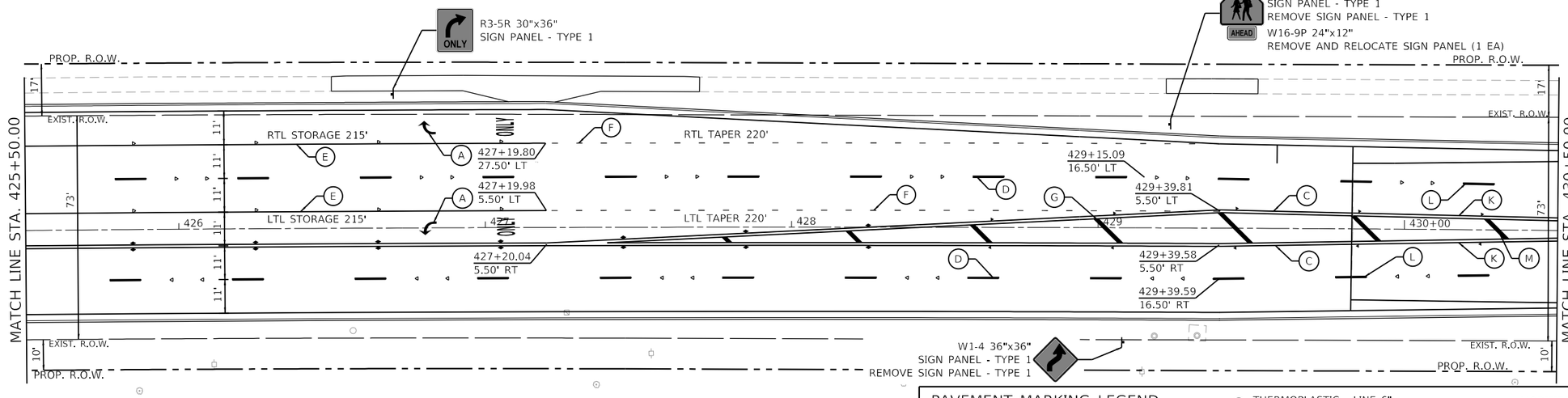
PAVEMENT MARKING AND SIGNING PLANS
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

SCALE: 1"=20' | SHEET 1 OF 4 SHEETS | STA. 415+50.00 | TO STA. 420+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	62
		CONTRACT NO. 61L42		
	ILLINOIS FED. AID PROJECT			

LAKE FOREST HIGH SCHOOL

300 S WAUKEGAN RD



NOTE:
CONTRACTOR SHALL COORDINATE WITH CITY OF LAKE FOREST BEFORE THE INSTALLATION OF TEMPORARY PAVEMENT MARKINGS AND SIGNS LOCATED AT THE 433+00 DRIVEWAY. SEE THE SUGGEST SEQUENCE OF CONSTRUCTION NOTES FOR WHEN TO INSTALL AND REMOVE THE ABOVE SPECIFIED ITEMS.

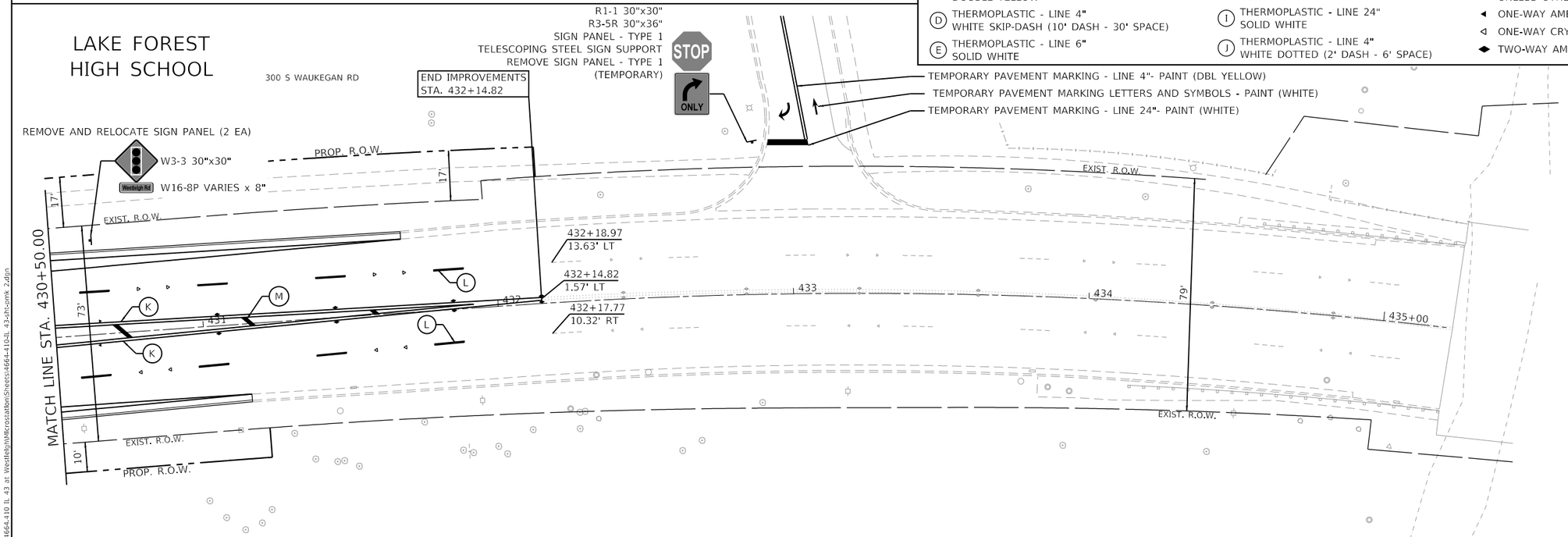
PAVEMENT MARKING LEGEND

- (A) THERMOPLASTIC - LETTERS AND SYMBOLS
- (B) THERMOPLASTIC - LINE 4" SOLID WHITE
- (C) THERMOPLASTIC - LINE 4" DOUBLE YELLOW
- (D) THERMOPLASTIC - LINE 4" WHITE SKIP-DASH (10' DASH - 30' SPACE)
- (E) THERMOPLASTIC - LINE 6" SOLID WHITE
- (F) THERMOPLASTIC - LINE 6" WHITE DOTTED (2' DASH - 6' SPACE)
- (G) THERMOPLASTIC - LINE 12" SOLID YELLOW DIAGONAL (45°, 30' C-C UNLESS OTHERWISE NOTED)
- (H) THERMOPLASTIC - LINE 12" SOLID WHITE (3' C-C)
- (I) THERMOPLASTIC - LINE 24" SOLID WHITE
- (J) THERMOPLASTIC - LINE 4" WHITE DOTTED (2' DASH - 6' SPACE)
- (K) MODIFIED URETHANE PAVEMENT MARKING - LINE 4" DOUBLE YELLOW
- (L) MODIFIED URETHANE PAVEMENT MARKING - LINE 4" WHITE SKIP-DASH (10' DASH - 30' SPACE)
- (M) MODIFIED URETHANE PAVEMENT MARKING- LINE 12" SOLID YELLOW DIAGONAL (45°, 30' C-C UNLESS OTHERWISE NOTED)
- ◂ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

1030 W WESTLEIGH RD

LAKE FOREST HIGH SCHOOL

300 S WAUKEGAN RD



1030 W WESTLEIGH RD

USER NAME = dolesak	DESIGNED - KLB	REVISED -	
	DRAWN - GHA	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KLB	REVISED -	
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING PLANS
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

SCALE: 1"=20' | SHEET 2 OF 4 SHEETS | STA. 425+50.00 TO STA. 435+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	63
		CONTRACT NO. 61L42		
		ILLINOIS	FED. AID PROJECT	

GEWALT HAMILTON ASSOCIATES, INC.

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FILE NAME: G:\4600\4664.000 Lake Forest\4664.410 IL 43 at Westleigh\MicrostationStreets\4664-410sht-43-sht-pmk 2.dgn

PAVEMENT MARKING LEGEND

- (A) THERMOPLASTIC - LETTERS AND SYMBOLS
- (B) THERMOPLASTIC - LINE 4" SOLID WHITE
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- ◁ ONE-WAY CRYSTAL MARKER (W/O)
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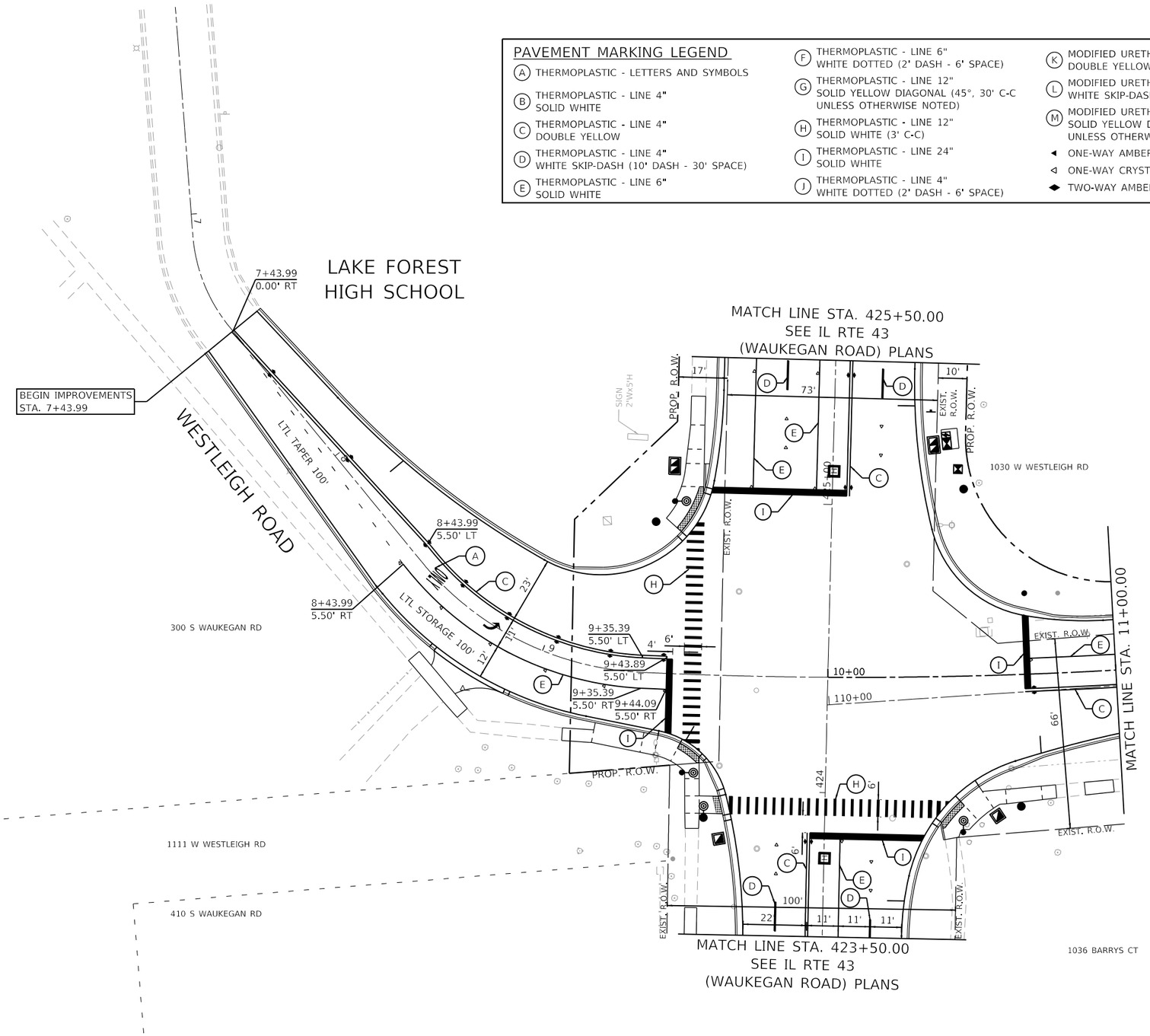

GHA GEWALT HAMILTON ASSOCIATES, INC.

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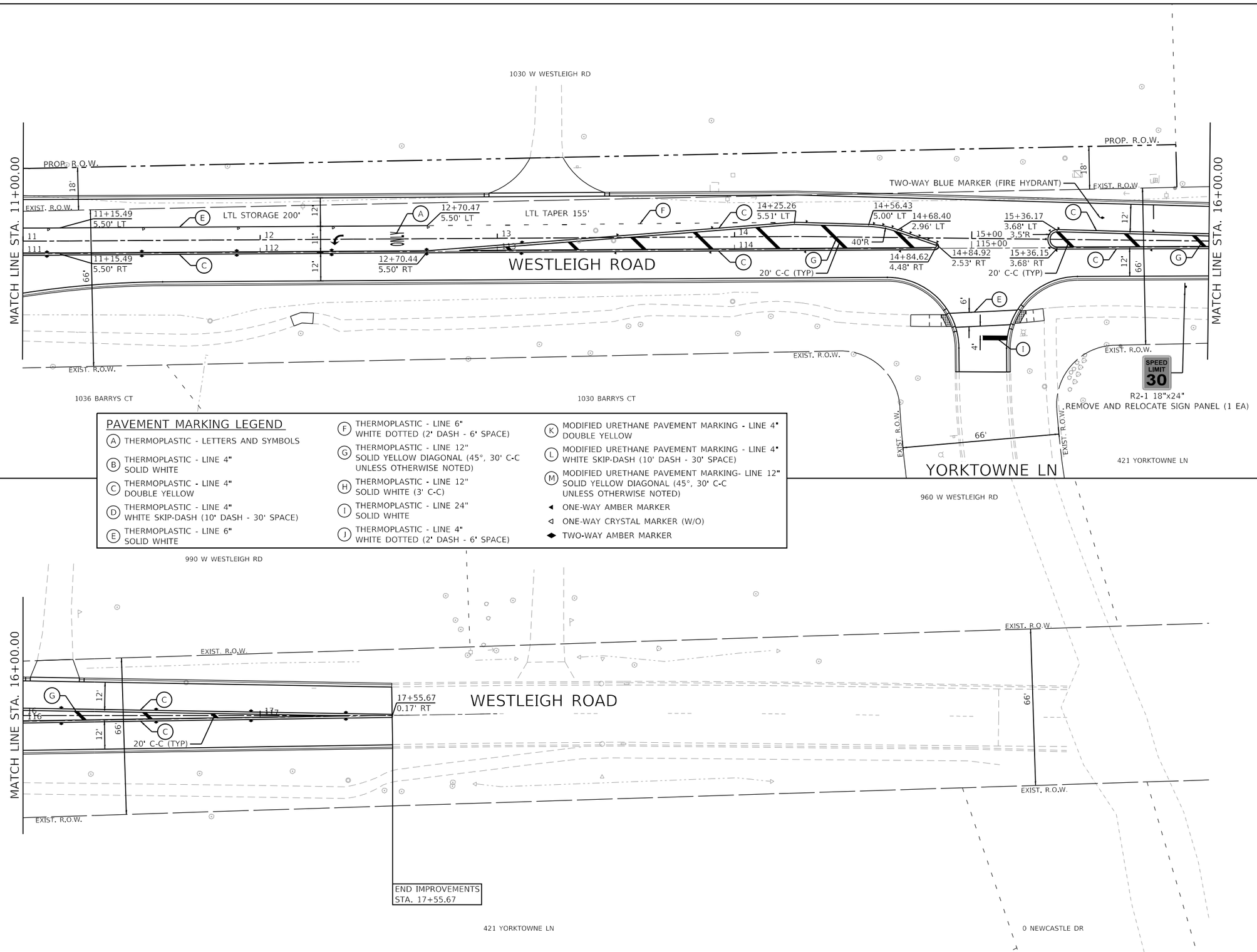
	DRAWN - GHA	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KLB	REVISED -	
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING PLANS
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

SCALE: 1"=20' | SHEET 3 OF 4 SHEETS | STA. 6+50.00 TO STA. 11+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	64
		CONTRACT NO. 61L42		
		ILLINOIS	FED. AID PROJECT	



PAVEMENT MARKING LEGEND

- (A) THERMOPLASTIC - LETTERS AND SYMBOLS
- (B) THERMOPLASTIC - LINE 4" SOLID WHITE
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GEWALT HAMILTON ASSOCIATES, INC.

MODEL: Default
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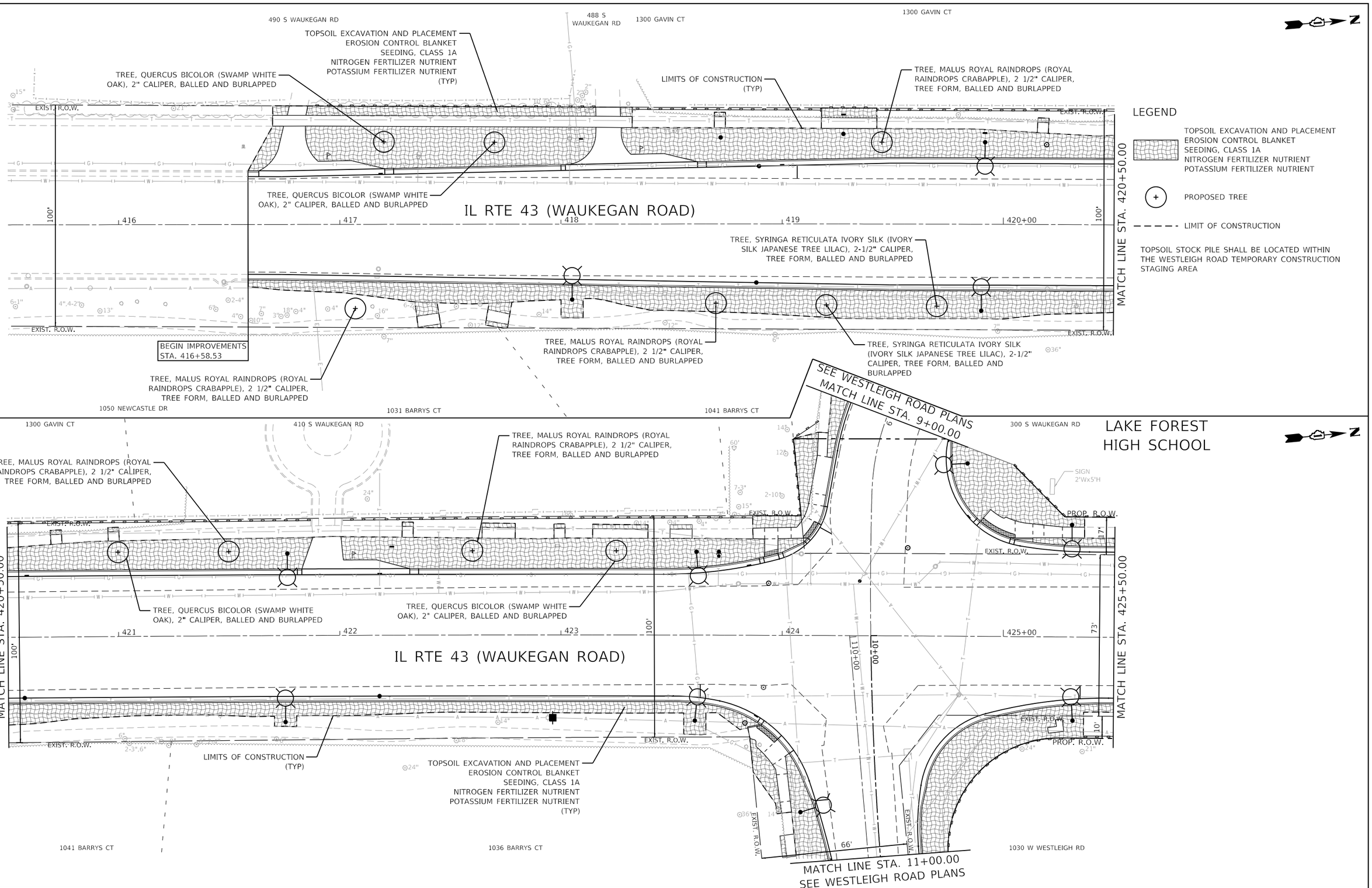
	DRAWN - GHA	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KLB	REVISED -	
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING PLANS
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

SCALE: 1"=20' | SHEET 4 OF 4 SHEETS | STA. 11+00.00 | TO STA. 17+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	65
		CONTRACT NO. 61L42		
		ILLINOIS	FED. AID PROJECT	



GEWALT HAMILTON ASSOCIATES, INC.

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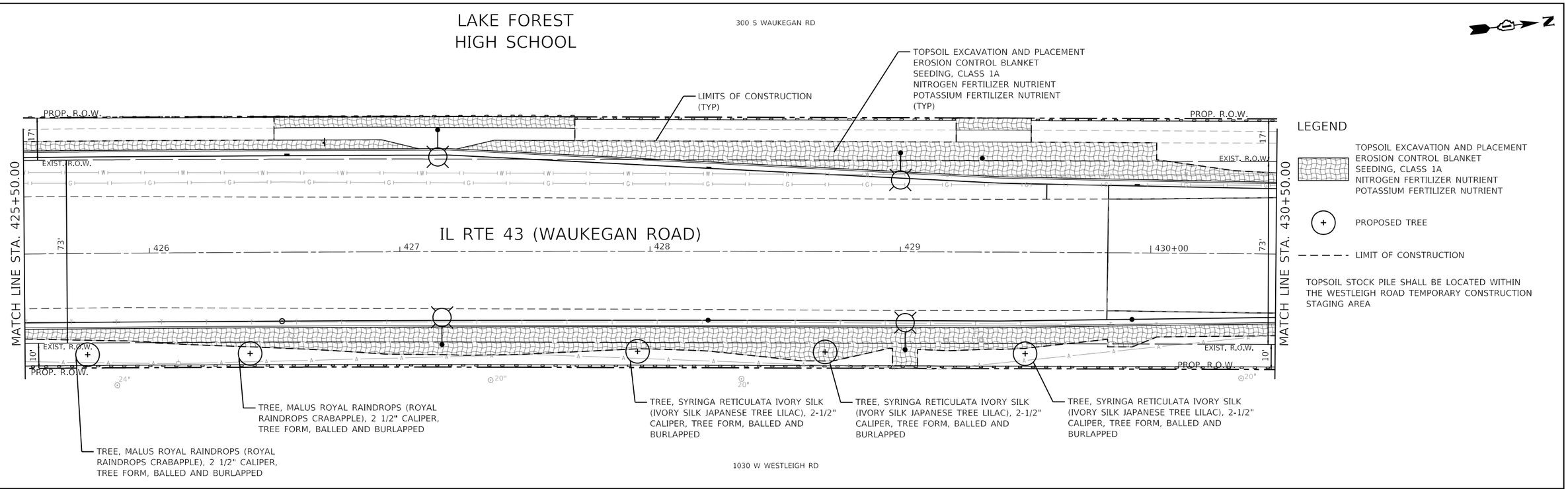
	DRAWN - GHA	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KLB	REVISED -	
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -	

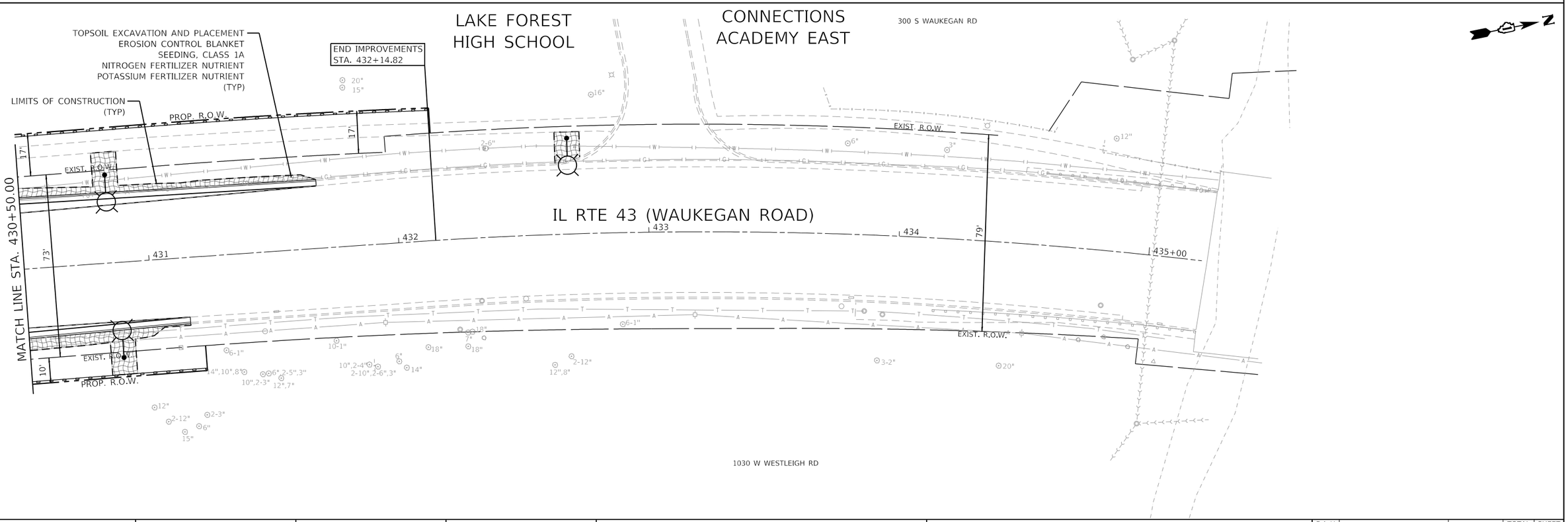
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLANS
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

SCALE: 1"=20' | SHEET 1 OF 4 SHEETS | STA. 415+50.00 | TO STA. 425+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	66
		CONTRACT NO. 61L42		
	ILLINOIS FED. AID PROJECT			





USER NAME = akopel	DESIGNED - KLB	REVISED -	**STATE OF ILLINOIS**	**LANDSCAPING PLANS**	
	DRAWN - GHA	REVISED -	**DEPARTMENT OF TRANSPORTATION**	**IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD**	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KLB	REVISED -		SCALE: 1"=20 | SHEET 2 OF 4 SHEETS | STA. 425+50.00 TO STA. 435+00.00	
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -			

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	67
		CONTRACT NO. 61L42		
	ILLINOIS FED. AID PROJECT			

GEWALT HAMILTON ASSOCIATES, INC.

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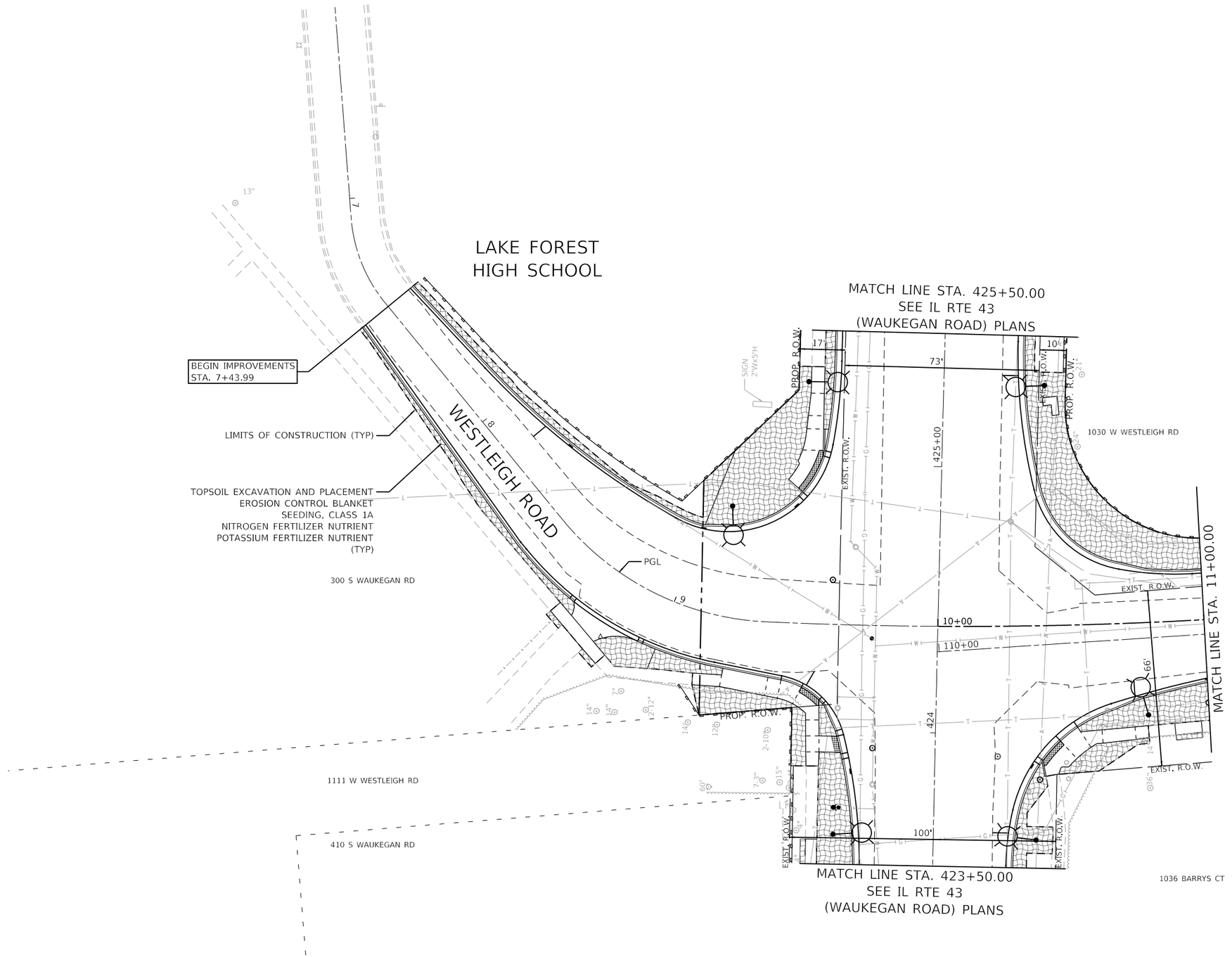

N

LEGEND

- TOPSOIL EXCAVATION AND PLACEMENT
  EROSION CONTROL BLANKET
  SEEDING, CLASS 1A
  NITROGEN FERTILIZER NUTRIENT
  POTASSIUM FERTILIZER NUTRIENT
- PROPOSED TREE
- LIMIT OF CONSTRUCTION

TOPSOIL STOCK PILE SHALL BE LOCATED WITHIN THE WESTLEIGH ROAD TEMPORARY CONSTRUCTION STAGING AREA

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: Default
FILE NAME: G:\4600\4664.000 Lake Forest\4664.410 IL 43 at Westleigh\MicrostationSheets\4664-410-Westleigh-sht-land 1.dgn

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	DRAWN - GHA	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KLB	REVISED -	
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -	

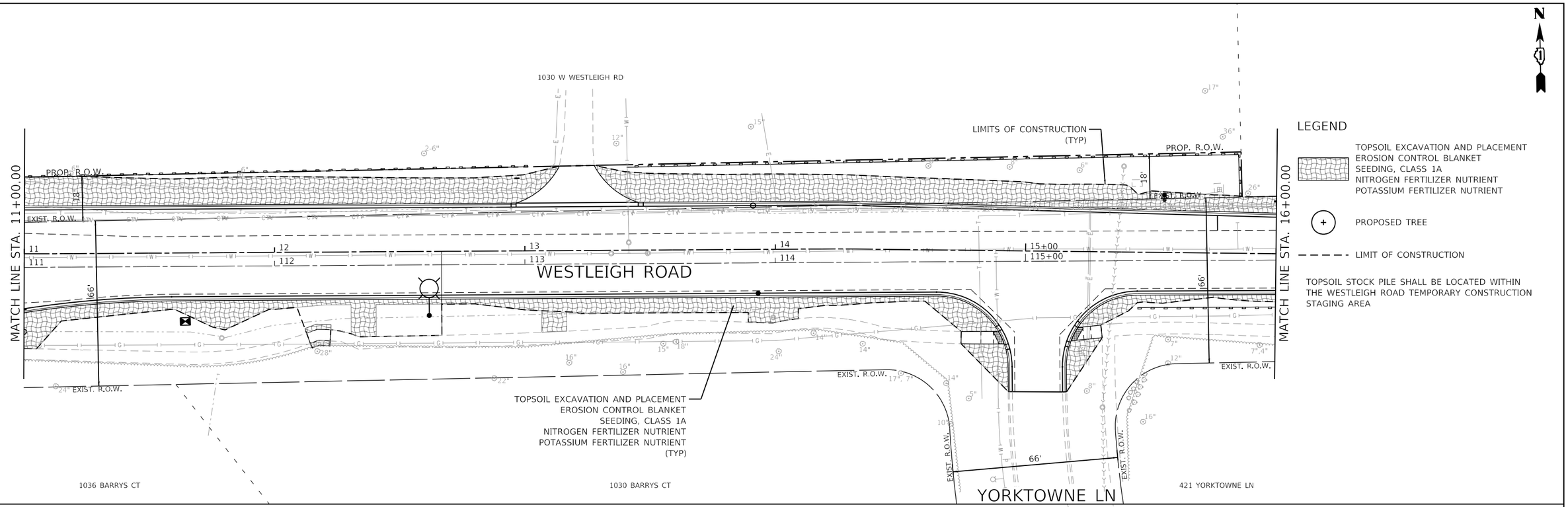
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

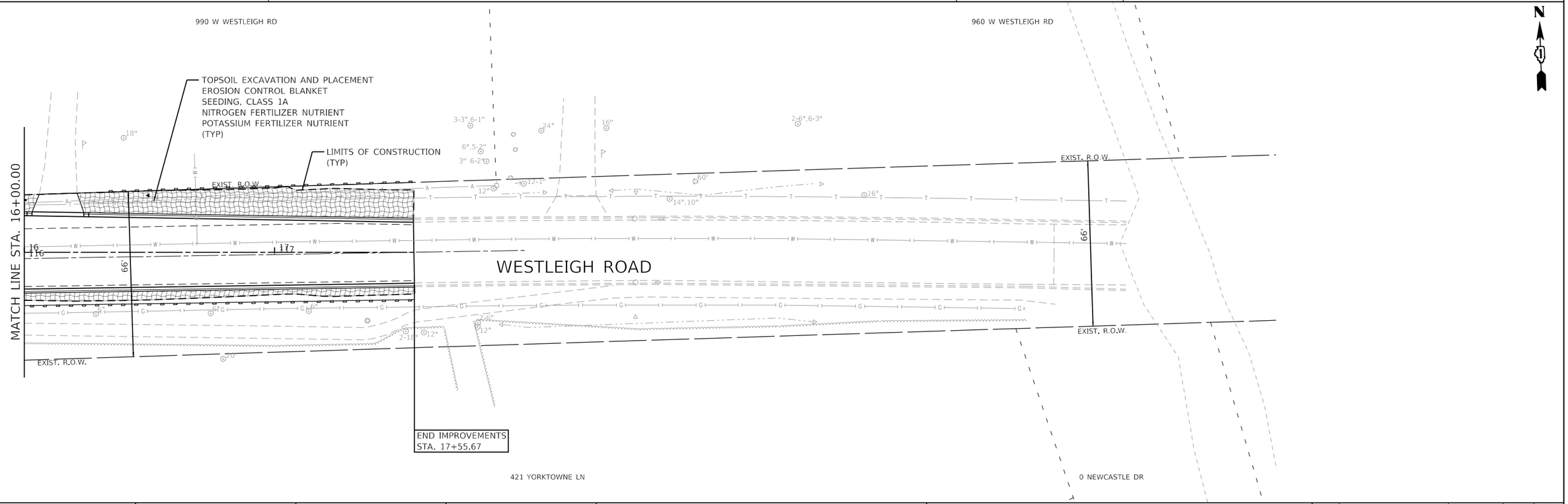
LANDSCAPING PLANS

IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

SCALE: 1"=20' | SHEET 3 OF 4 SHEETS | STA. 6+50.00 | TO STA. 11+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	68
		CONTRACT NO. 61L42		
	ILLINOIS	FED. AID PROJECT		





GEWALT HAMILTON ASSOCIATES, INC.

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PLOT SCALE = 40.0000 ' / in.	CHECKED - KLB	REVISED -	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLANS
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

SCALE: 1"=20' | SHEET 4 OF 4 SHEETS | STA. 11+00.00 TO STA. 17+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	69
		CONTRACT NO. 61L42		
	ILLINOIS FED. AID PROJECT			

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

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

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

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

GEWALT HAMILTON ASSOCIATES, INC.

TS SHT NO.1

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	70
	TS-05	CONTRACT NO. 61L42		
	ILLINOIS FED. AID PROJECT			

LOOP DETECTOR NOTES

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

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

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

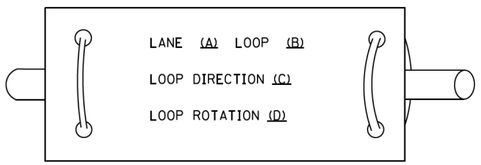
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.

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

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

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

LOOP LEAD–IN CABLE TAG

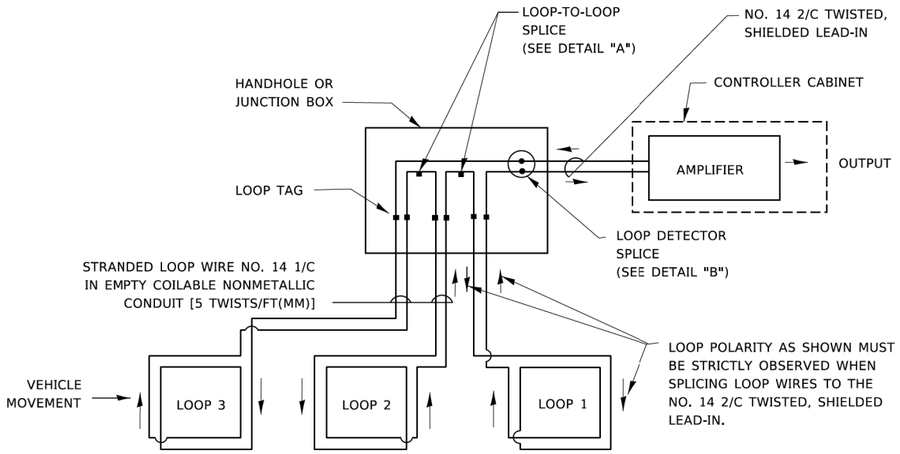


A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY

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

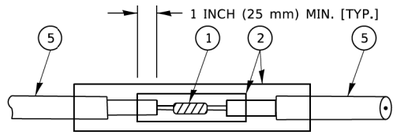
C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".

D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

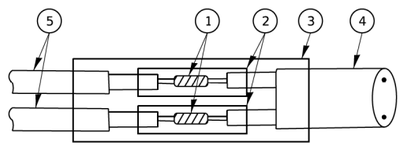


DETECTOR LOOP WIRING SCHEMATIC

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

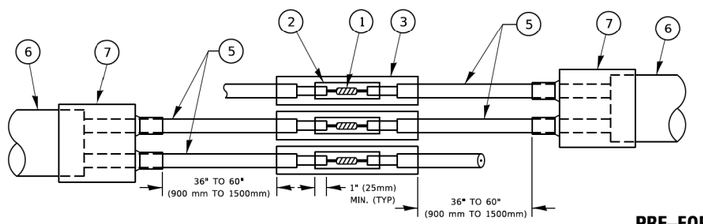


DETAIL "A"
LOOP-TO-LOOP SPLICE



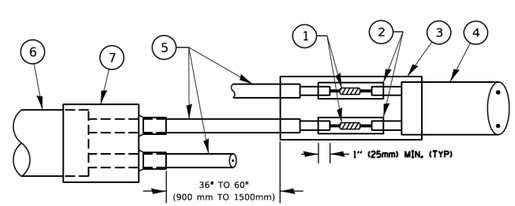
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE

PRE–FORMED LOOP



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

LOOP DETECTOR SPLICE

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

GEWALT HAMILTON ASSOCIATES, INC. TS SHT NO. 2

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	71
	TS–05	CONTRACT NO. 61L42		
	ILLINOIS FED. AID PROJECT			

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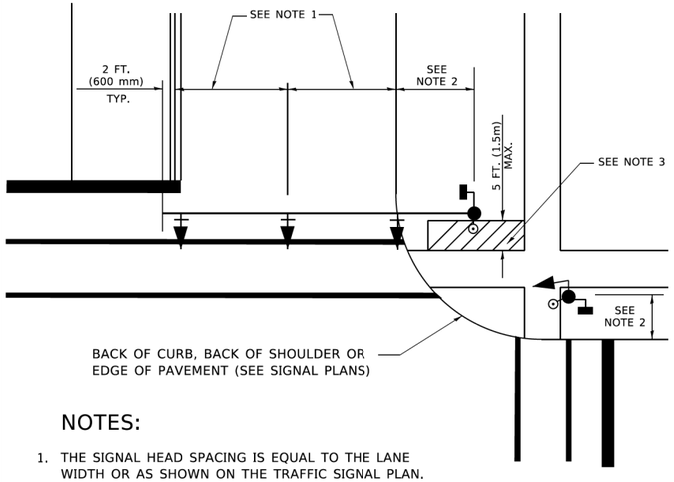
TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

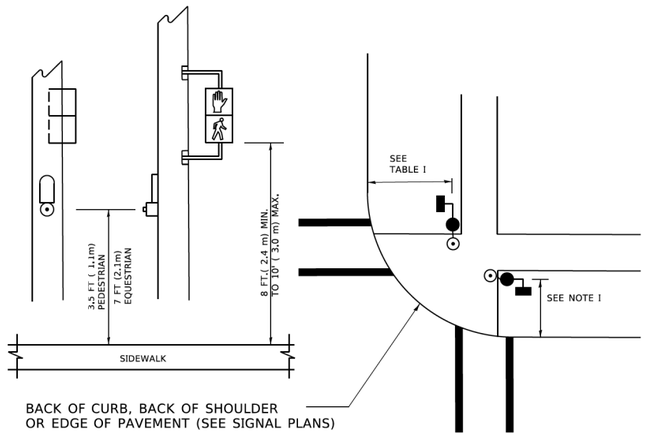
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



NOTES:

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

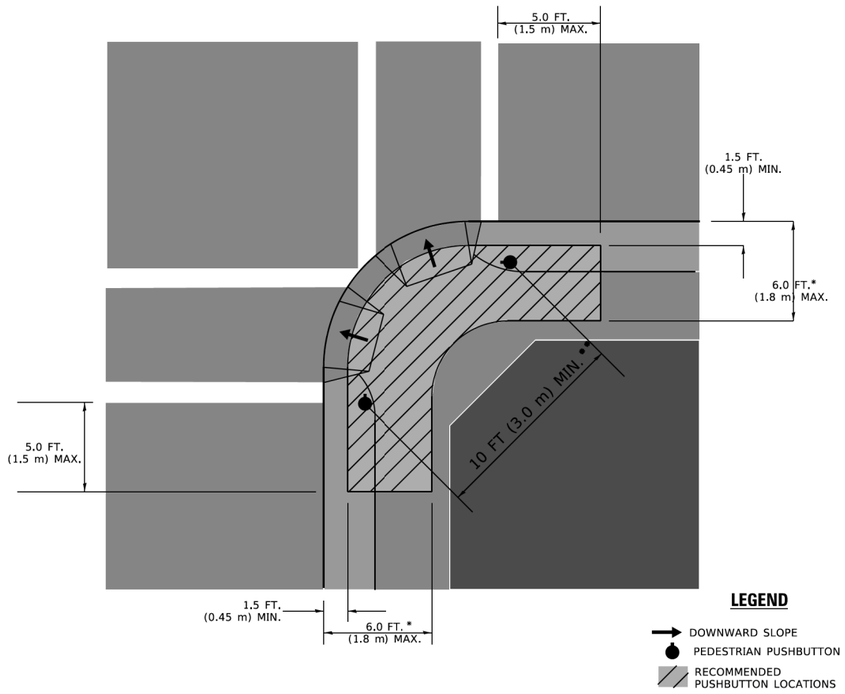
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



NOTES:

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

RECOMMENDED PUSHBUTTON LOCATIONS



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

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

NOTES:

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

TRAFFIC SIGNAL EQUIPMENT OFFSET

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

NOTES:

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

GEWALT HAMILTON ASSOCIATES, INC. TS SHT NO. 3

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	72
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	ILLINOIS	FED. AID PROJECT		

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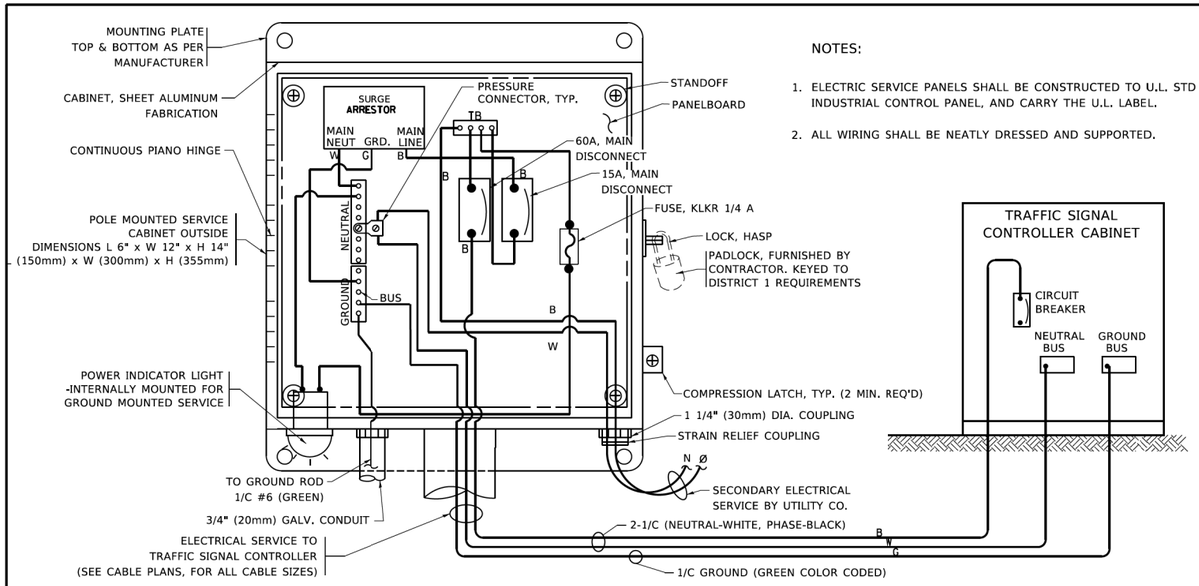


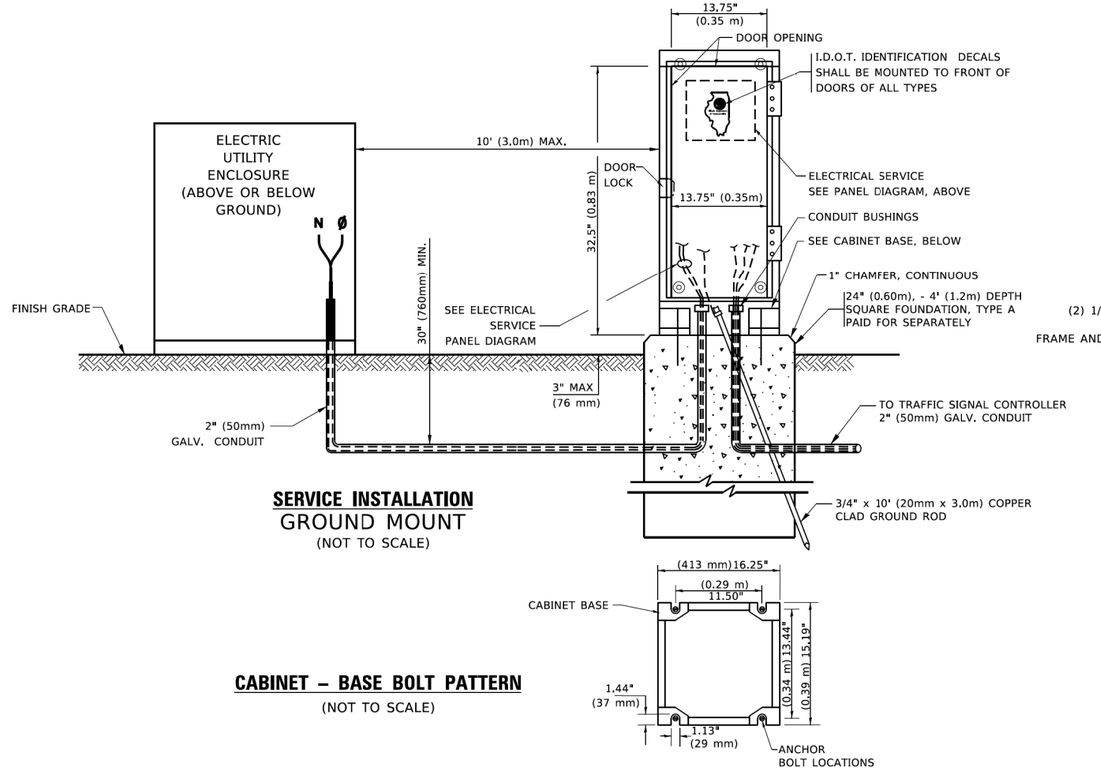
NOTES:

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

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

SERVICE INSTALLATION POLE MOUNT (SHOWN)

(NOT TO SCALE)

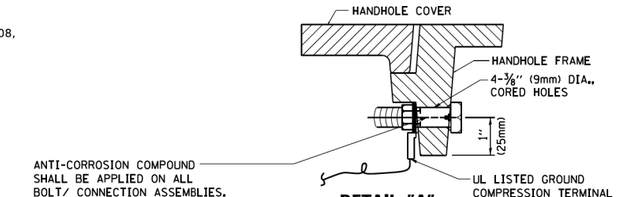


SERVICE INSTALLATION
GROUND MOUNT

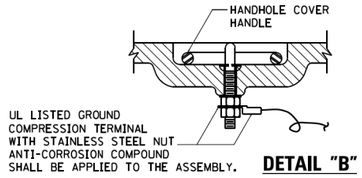
(NOT TO SCALE)

CABINET – BASE BOLT PATTERN

(NOT TO SCALE)



DETAIL "A"

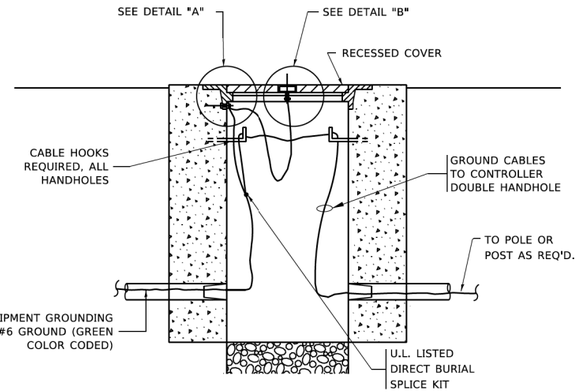


DETAIL "B"

NOTES:

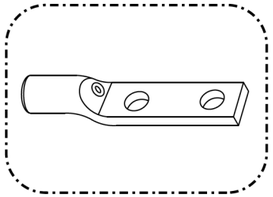
GROUNDING SYSTEM

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

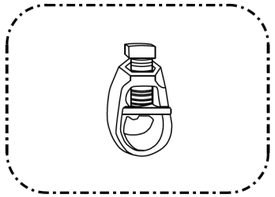


HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)



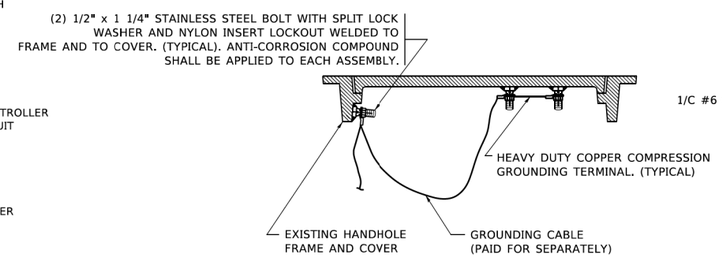
HEAVY-DUTY COMPRESSION TERMINAL (BURNDY TYPE YGHA OR APPROVED EQUAL)



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

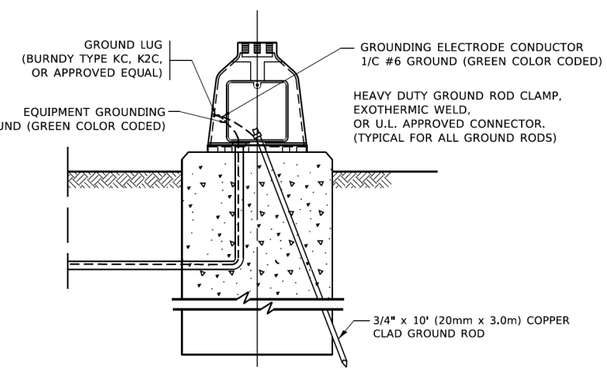
NOTES:

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



EXISTING HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)



MAST ARM POLE /POST–GROUNDING DETAIL

(NOT TO SCALE)

GEWALT HAMILTON ASSOCIATES, INC. TS SHT NO. 4

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	73
	TS–05	CONTRACT NO. 61L42		
	ILLINOIS FED. AID PROJECT			

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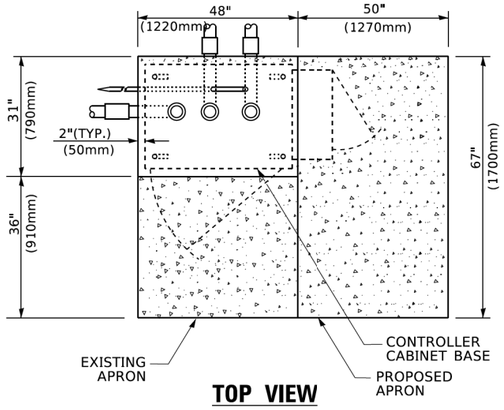
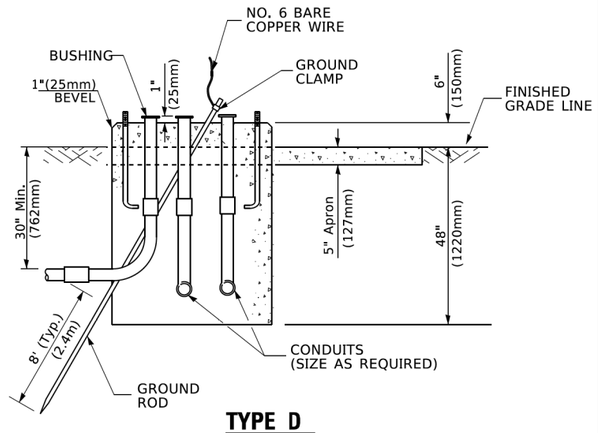
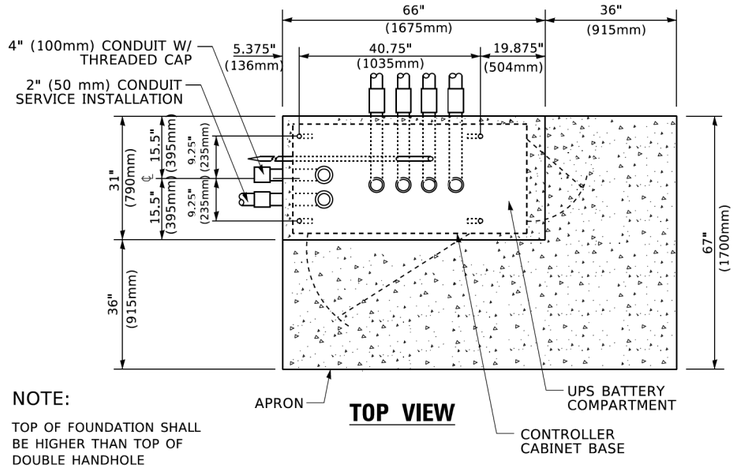


TOP VIEW



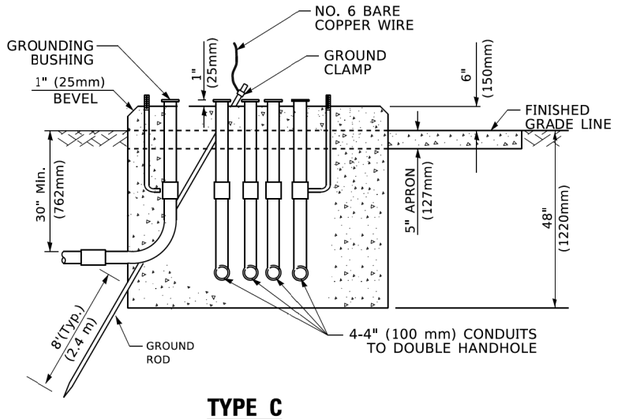
TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET



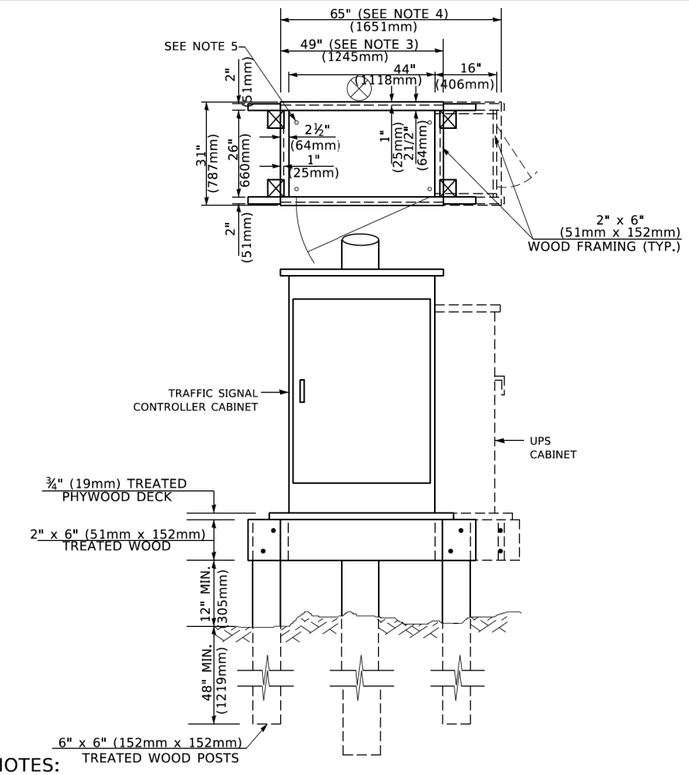
NOTE:

TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE

TOP VIEW



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



NOTES:

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

TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM

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

CABLE SLACK

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

VERTICAL CABLE LENGTH

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

DEPTH OF FOUNDATION

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

NOTES:

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

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

GEWALT HAMILTON ASSOCIATES, INC. TS SHT NO. 5

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	74
	TS-05	CONTRACT NO. 61L42		
	ILLINOIS FED. AID PROJECT			

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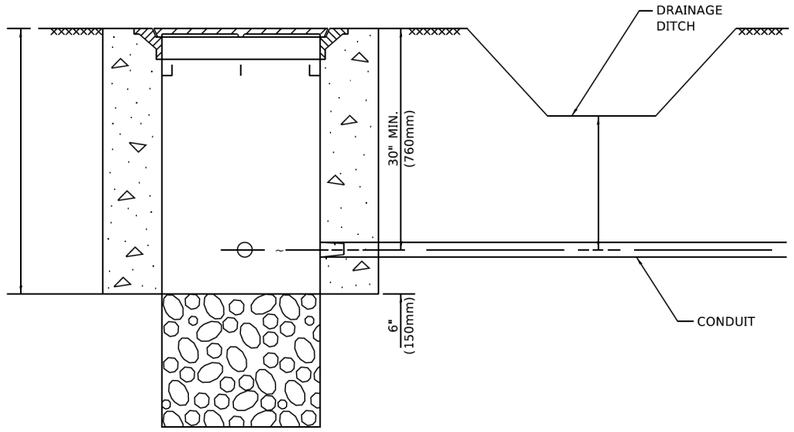
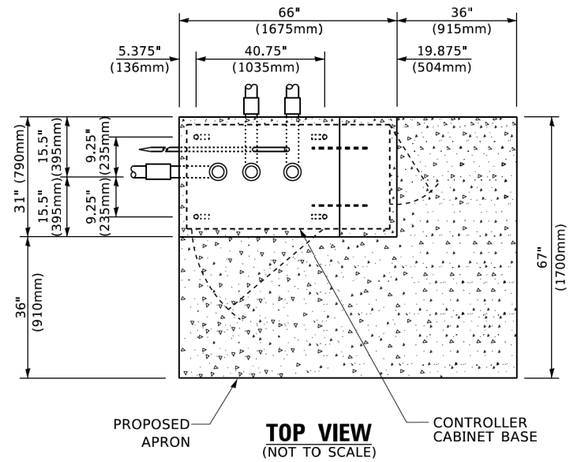


NOTES:

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

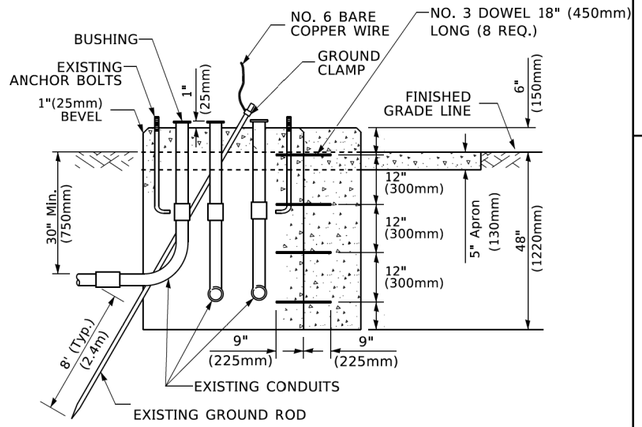
HANDHOLE WITH MINIMUM CONDUIT DEPTH

(NOT TO SCALE)



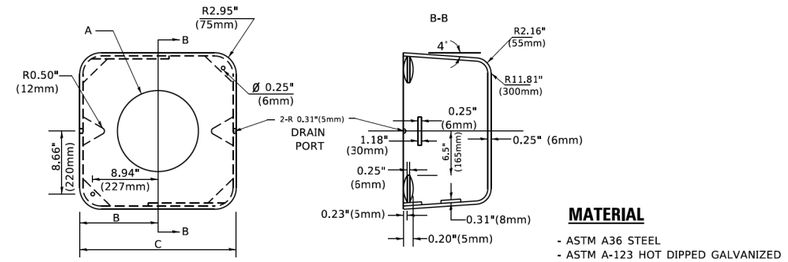
TOP VIEW

(NOT TO SCALE)



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

(NOT TO SCALE)



MATERIAL

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

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

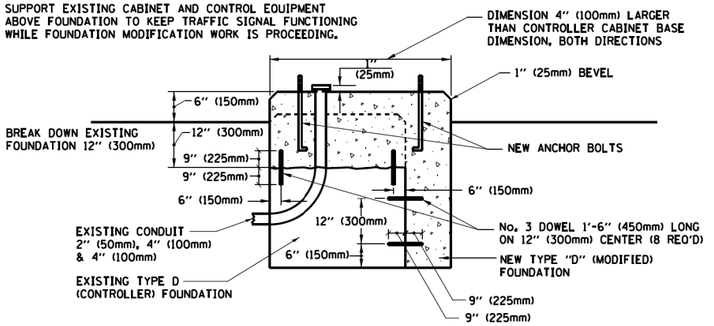
SHROUD

NOTES:

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

NOTE:

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



MODIFY EXISTING TYPE "D" FOUNDATION

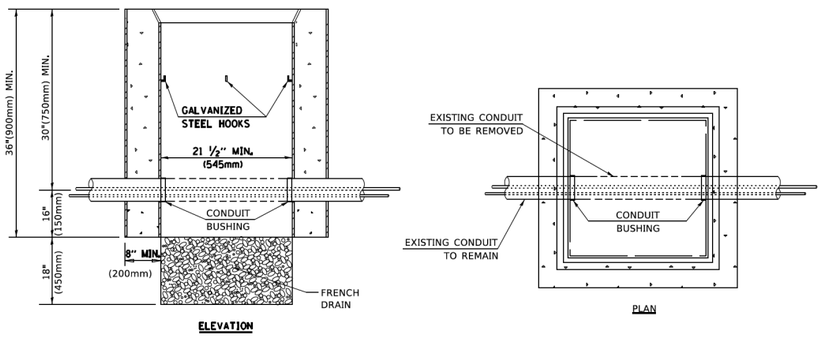
POST CAP MOUNT **MAST ARM MOUNT**

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

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

NOTES:

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY 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.



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

GEWALT HAMILTON ASSOCIATES, INC. TS SHT NO. 6

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	75
	TS-05	CONTRACT NO. 61L42		
	ILLINOIS FED. AID PROJECT			

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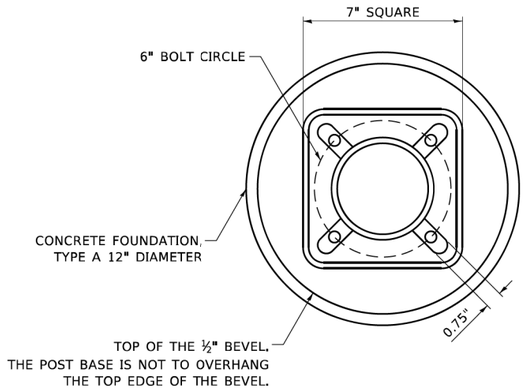
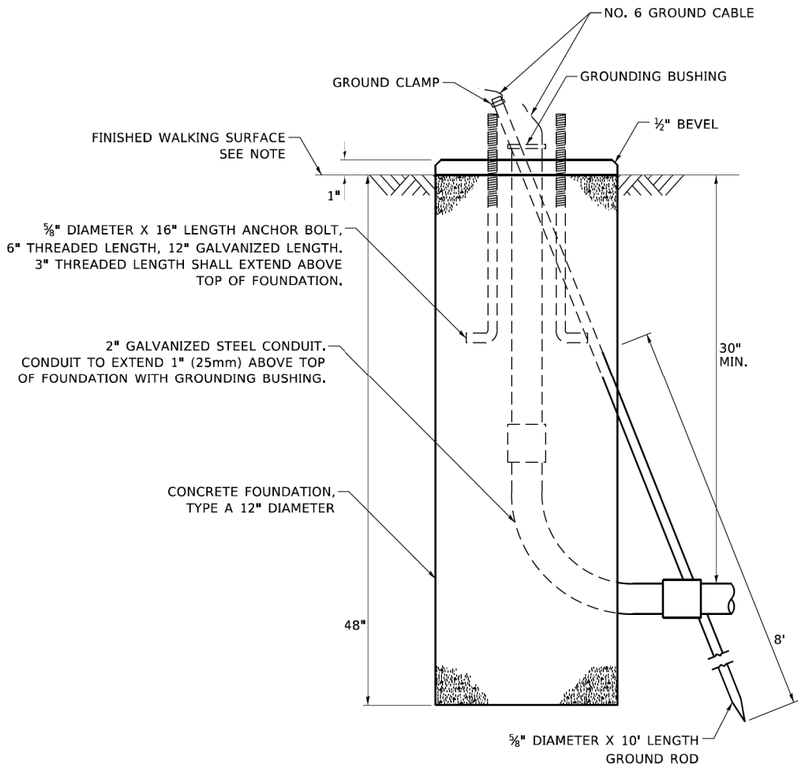


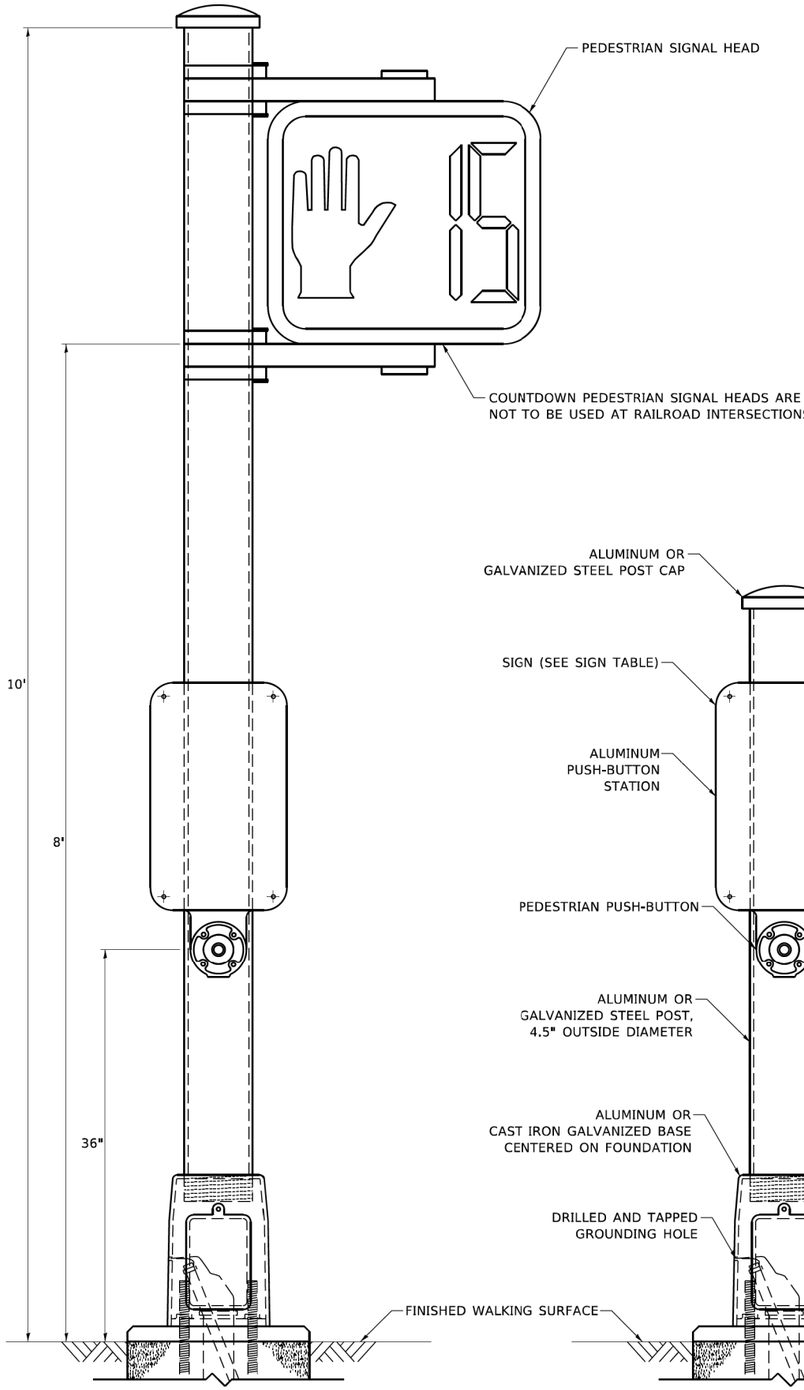
BOLT PATTERN

NOTE:

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



CONCRETE FOUNDATION, TYPE A 12–INCH DIAMETER

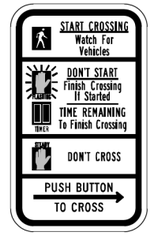


PEDESTRIAN SIGNAL POST, 10 FT.

PEDESTRIAN SIGNAL POST, 5 FT.

R10-3b

R10-3d



R10-3e

SIGN TABLE

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

GEWALT HAMILTON ASSOCIATES, INC. TS SHT NO. 7

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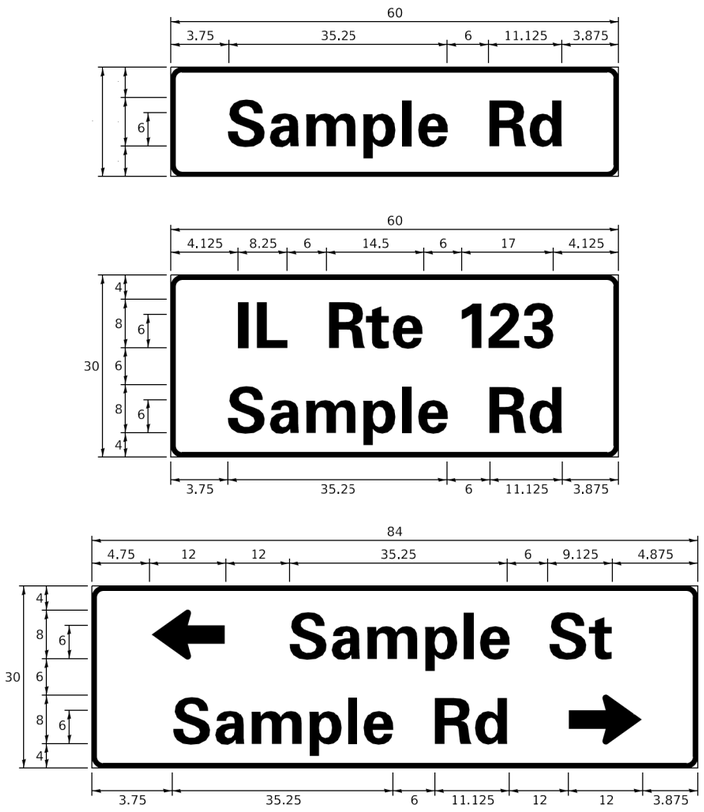
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NTS | SHEET NO. 7 OF 7 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	76
	TS–05	CONTRACT NO. 61L42		
	ILLINOIS FED. AID PROJECT			

SIGN PANEL – TYPE 1 OR TYPE 2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D OR C	-	1 OR 2	ZZ	-

COMMON STREET NAME ABBREVIATIONS AND WIDTHS

NAME	ABBREVATION	WIDTH (INCH)	
		SERIES "C"	SERIES "D"
AVENUE	Ave	15.000	18.250
BOULEVARD	Blvd	17.125	20.000
CIRCLE	Cir	11.125	13.000
COURT	Ct	8.250	9.625
DRIVE	Dr	8.625	10.125
HIGHWAY	Hwy	18.375	22.000
ILLINOIS	IL	7.000	8.250
LANE	Ln	9.125	10.750
PARKWAY	Pkwy	23.375	27.375
PLACE	Pl	7.125	7.750
ROAD	Rd	9.625	11.125
ROUTE	Rte	12.625	14.500
STREET	St	8.000	9.125
TERRACE	Ter	12.625	14.625
TRAIL	Tr	7.750	9.125
UNITED STATES	US	10.375	12.250

GENERAL NOTES

1. WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
2. ALL SIGNS SHALL CONSIST OF A WHITE LEGEND AND BORDER (TYPE ZZ SHEETING) ON A GREEN BACKGROUND (TYPE ZZ SHEETING)
3. THE SIGN LENGTH SHALL BE IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHALL NOT EXCEED 8'-0". ALL BORDERS IF POSSIBLE, BUT MAY BE REDUCED TO 5" WHEN SPACING IS CRITICAL. A MINIMUM OF 2-1/2" SHALL BE INCLUDED BETWEEN THE WORD AND THE RIGHT AND LEFT EDGES OF THE SIGN.
4. A PREFERRED METHOD FOR THE SIGN DESIGN IS TO USE SERIES "D" LETTER ON A ONE-LINE SIGN 18" IN HEIGHT AND A MAXIMUM OF 8'-0" IN WIDTH. IF SERIES "D" DOES NOT FIT ON A 8"-0" SIGN, THEN SERIES "C" SHOULD BE TRIED. IF SERIES "C" DOES NOT FIT ON A 8'-0" SIGN, A 30" HIGH TWO-LINE SIGN CAN BE USED. THE CROSSROAD DESIGNATION AS TO STREET, AVENUE, ETC. SHOULD BE SPELLED OUT ON THE SECOND LINE, IF THE ABBREVIATION CANNOT FIT ON THE FIRST LINE.
5. LED ILLUMINATED STREET NAME SIGNS CAN BE USED IN PLACE OF REGULAR SIGN PANELS BUT ANY SPECIAL WORDING AND SYMBOLOGY MUST BE APPROVED BY THE DEPARTMENT. GENERAL DESIGN REQUIREMENT AS LISTED ABOVE (COLOR, FONT, SIZE, ETC.) MUST BE FOLLOWED.
6. SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS.

LOCAL SUPPLIERS:

- J.O. HERBERT COMPANY, INC
  MIDLOTHIAN, VA
- WESTERN REMAC, INC.
  WOODRIDGE, IL

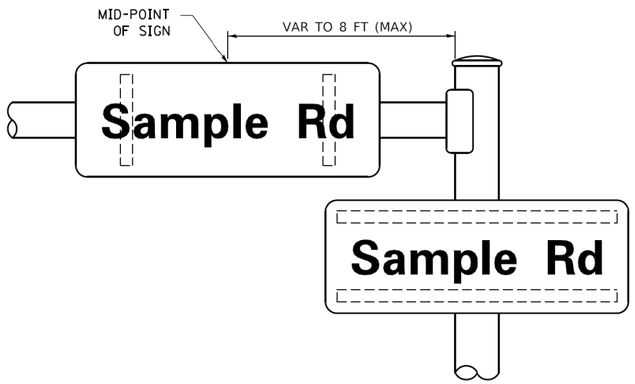
PARTS LISTING:

SIGN CHANNEL	PART #HPN053 (MED. CHANNEL)
SIGN SCREWS	1/4" x 14 x 1" H.W.H. #3 SELF TAPPING WITH NEOPRENE WASHER
BRACKETS	PART #HPN034 (UNIVERSAL) CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

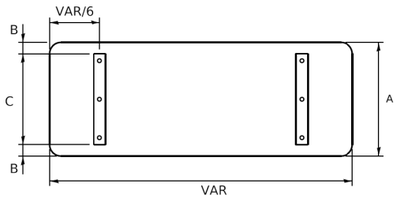
OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BRACKET OF THE ABOVE PRODUCT.

MOUNTING LOCATION

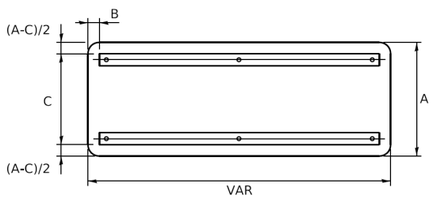
ARM OR POLE MOUNTED



SUPPORTING CHANNELS



A	B	C
18"	2"	14"
30"	2"	24"



A	B	C
18"	2"	12"
30"	2"	22"

STANDARD ALPHABETS SPACING CHART

(8") UPPER CASE AND (6") LOWER CASE

FHWA SERIES "C"				FHWA SERIES "D"			
CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)	CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)
A	0.240	5.122	0.240	A	0.240	6.804	0.240
B	0.880	4.482	0.480	B	0.960	5.446	0.400
C	0.720	4.482	0.720	C	0.800	5.446	0.800
D	0.880	4.482	0.720	D	0.960	5.446	0.800
E	0.880	4.082	0.480	E	0.960	4.962	0.400
F	0.880	4.082	0.240	F	0.960	4.962	0.240
G	0.720	4.482	0.720	G	0.800	5.446	0.800
H	0.880	4.482	0.880	H	0.960	5.446	0.960
I	0.880	1.120	0.880	I	0.960	1.280	0.960
J	0.240	4.082	0.880	J	0.240	5.122	0.960
K	0.880	4.482	0.480	K	0.960	5.604	0.400
L	0.880	4.082	0.240	L	0.960	4.962	0.240
M	0.880	5.284	0.880	M	0.960	6.244	0.960
N	0.880	4.482	0.880	N	0.960	5.446	0.960
O	0.720	4.722	0.720	O	0.800	5.684	0.800
P	0.880	4.482	0.720	P	0.960	5.446	0.240
Q	0.720	4.722	0.720	Q	0.800	5.684	0.800
R	0.880	4.482	0.480	R	0.960	5.446	0.400
S	0.480	4.482	0.480	S	0.400	5.446	0.400
T	0.240	4.082	0.240	T	0.240	4.962	0.240
U	0.880	4.482	0.880	U	0.960	5.446	0.960
V	0.240	4.962	0.240	V	0.240	6.084	0.240
W	0.240	6.084	0.240	W	0.240	7.124	0.240
X	0.240	4.722	0.240	X	0.400	5.446	0.400
Y	0.240	5.122	0.240	Y	0.240	6.884	0.240
Z	0.480	4.482	0.480	Z	0.400	5.446	0.400
a	0.320	3.842	0.640	a	0.400	4.562	0.720
b	0.720	4.082	0.480	b	0.800	4.802	0.480
c	0.480	4.002	0.240	c	0.480	4.722	0.240
d	0.480	4.082	0.720	d	0.480	4.802	0.800
e	0.480	4.082	0.320	e	0.480	4.722	0.320
f	0.320	2.480	0.160	f	0.320	2.882	0.160
g	0.480	4.082	0.720	g	0.480	4.802	0.800
h	0.720	4.082	0.640	h	0.800	4.722	0.720
i	0.720	1.120	0.720	i	0.800	1.280	0.800
j	0.000	2.320	0.720	j	0.000	2.642	0.800
k	0.720	4.322	0.160	k	0.800	5.122	0.160
l	0.720	1.120	0.720	l	0.800	1.280	0.800
m	0.720	6.724	0.640	m	0.800	7.926	0.720
n	0.720	4.082	0.640	n	0.800	4.722	0.720
o	0.480	4.082	0.480	o	0.480	4.882	0.480
p	0.720	4.082	0.480	p	0.800	4.802	0.480
q	0.480	4.082	0.720	q	0.480	4.802	0.800
r	0.720	2.642	0.160	r	0.800	3.042	0.160
s	0.320	3.362	0.240	s	0.320	3.762	0.240
t	0.080	2.882	0.080	t	0.080	3.202	0.080
u	0.640	4.082	0.720	u	0.720	4.722	0.800
v	0.160	4.722	0.160	v	0.160	5.684	0.160
w	0.160	7.524	0.160	w	0.160	9.046	0.160
x	0.000	5.202	0.000	x	0.000	6.244	0.000
y	0.160	4.962	0.160	y	0.160	6.004	0.160
z	0.240	3.362	0.240	z	0.240	4.002	0.240
1	0.720	1.680	0.880	1	0.800	2.000	0.960
2	0.480	4.482	0.480	2	0.800	5.446	0.800
3	0.480	4.482	0.480	3	1.440	5.446	0.800
4	0.240	4.962	0.720	4	0.160	6.004	0.960
5	0.480	4.482	0.480	5	0.800	5.446	0.800
6	0.720	4.482	0.720	6	0.800	5.446	0.800
7	0.240	4.482	0.720	7	0.560	5.446	0.560
8	0.480	4.482	0.480	8	0.800	5.446	0.800
9	0.480	4.482	0.480	9	0.800	5.446	0.800
0	0.720	4.722	0.720	0	0.800	5.684	0.800
-	0.240	2.802	0.240	-	0.240	2.802	0.240

GEWALT HAMILTON ASSOCIATES, INC. TS SHT NO. 8

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	DRAWN - LP	REVISED -	
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PLOT DATE = 3/4/2019	DATE - 10/01/2014	REVISED -	

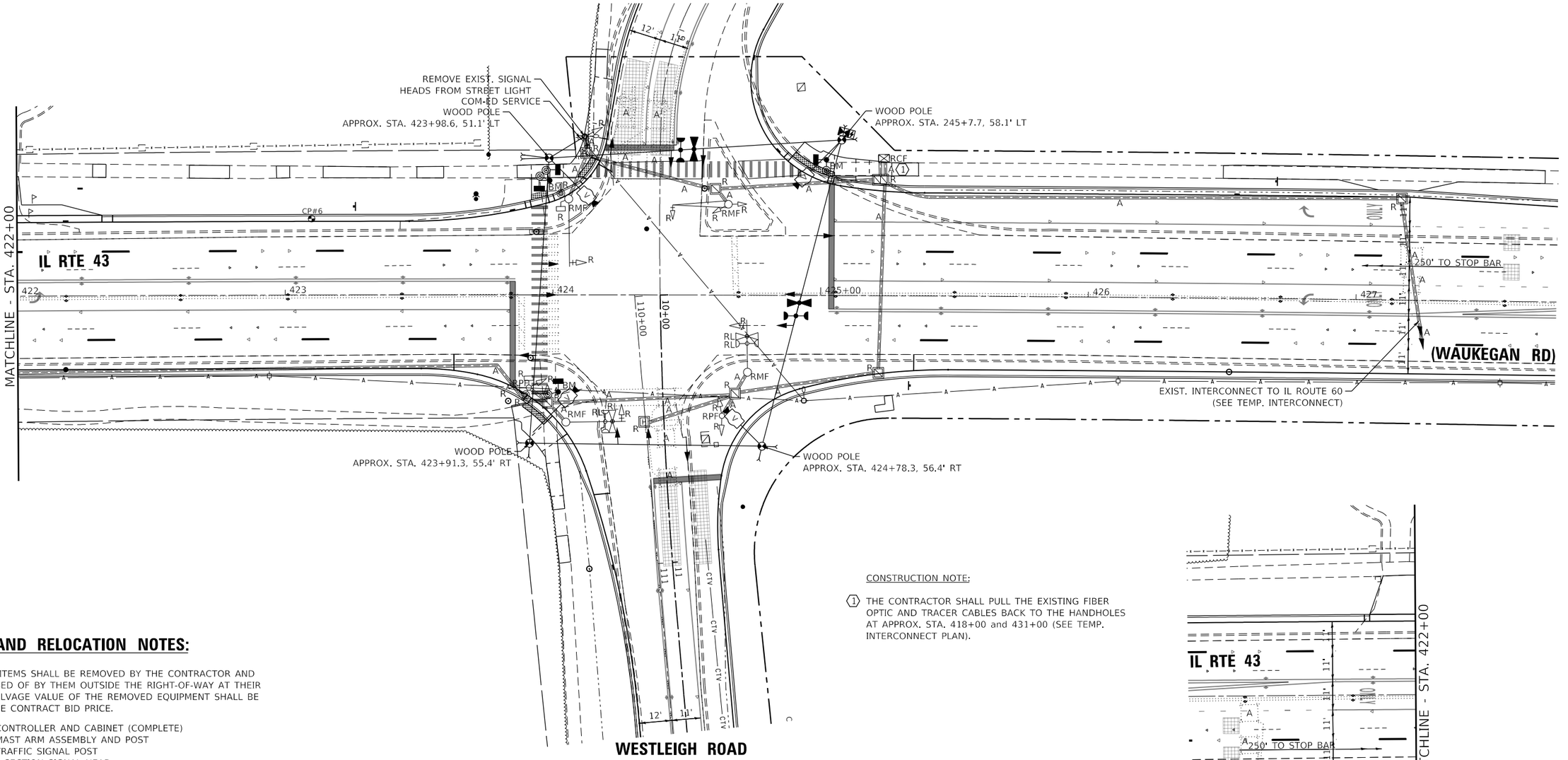
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
MAST ARM MOUNTED STREET NAME SIGNS

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	77
	TS-02	CONTRACT NO. 61L42		
	ILLINOIS FED. AID PROJECT			

ts02.dgn 3/4/2019 11:09:17 AM User:footemj



CONSTRUCTION NOTE:

(1) THE CONTRACTOR SHALL PULL THE EXISTING FIBER OPTIC AND TRACER CABLES BACK TO THE HANDHOLES AT APPROX. STA. 418+00 and 431+00 (SEE TEMP. INTERCONNECT PLAN).

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS 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	CONTROLLER AND CABINET (COMPLETE)
4	EACH	MAST ARM ASSEMBLY AND POST
2	EACH	TRAFFIC SIGNAL POST
12	EACH	3-SECTION SIGNAL HEAD
2	EACH	PEDESTRIAN SIGNAL HEAD
2	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	SERVICE INSTALLATION
4	EACH	TRAFFIC SIGNAL BACKPLATE

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED MAST ARMS AND TRAFFIC SIGNAL CONTROLLER:

2	EACH	CONFIRMATION BEACON
2	EACH	LIGHT DETECTOR
1	EACH	LIGHT DETECTOR AMPLIFIER

GEWALT HAMILTON ASSOCIATES, INC. TS SHT NO. 9

MODEL: Default
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USER NAME = dolesak	DESIGNED - RJH	REVISED -	
	DRAWN - ZCW	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - RJH	REVISED -	
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

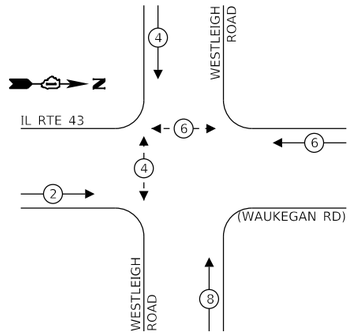
TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	78
		CONTRACT NO. 61L42		
		ILLINOIS	FED. AID PROJECT	

TS 10675
ECON 200

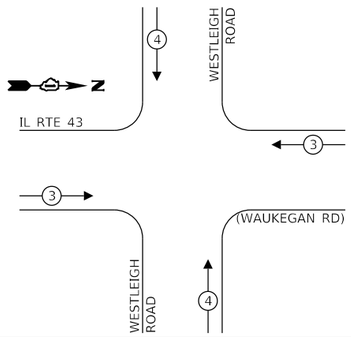
TEMPORARY CONTROLLER SEQUENCE



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OVERLAP (OL)

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

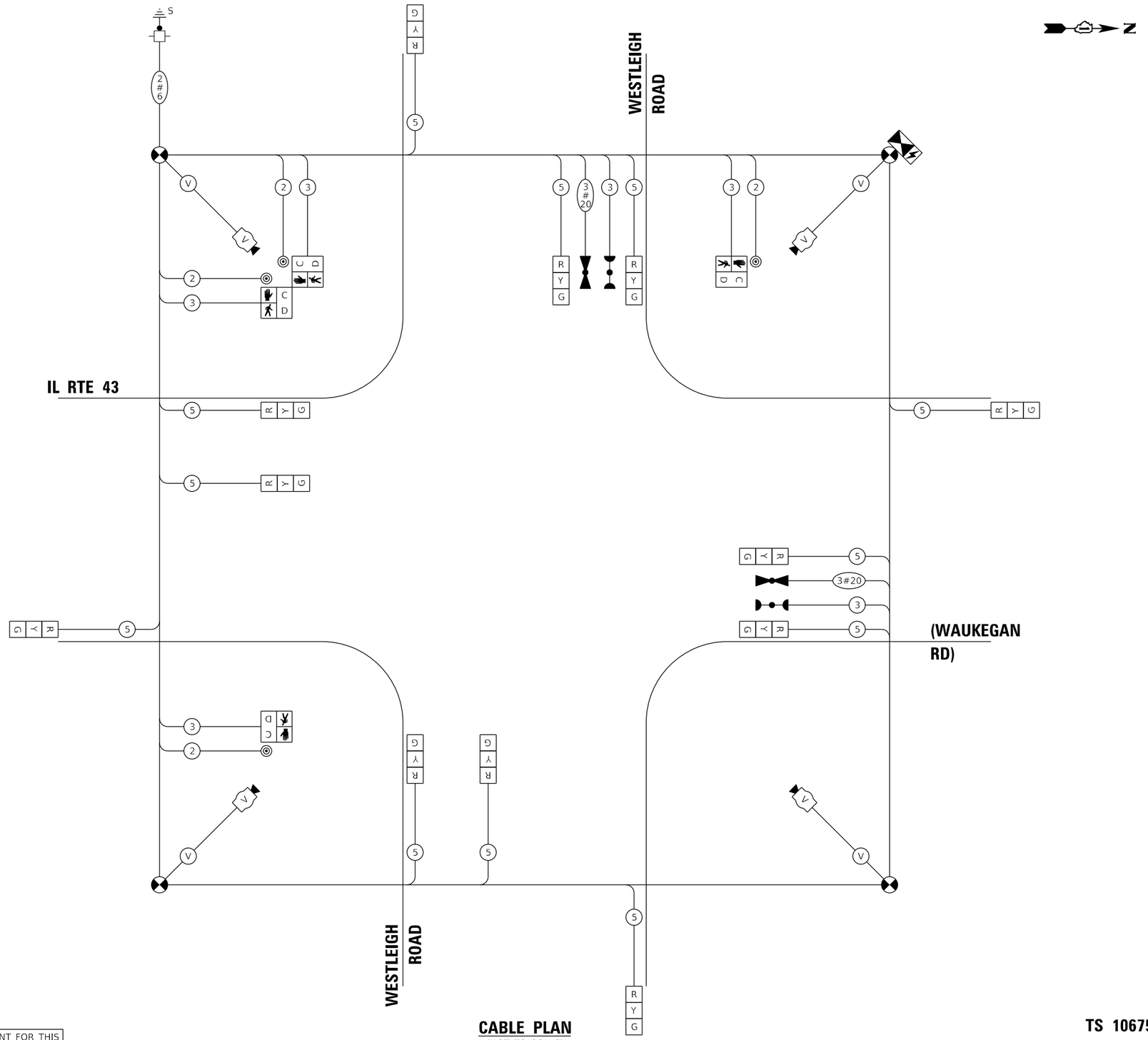
TYPE		QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD	3-SECTION	12	11	132
	4-SECTION	-	14	-
	5-SECTION	-	13	-
PROGRAMMABLE SIGNAL	3-SECTION	-	22	-
	4-SECTION	-	32	-
	5-SECTION	-	28	-
PEDESTRIAN SIGNAL		4	15	60
CONTROLLER		1	150	150
MASTER CONTROLLER		-	100	-
UPS		1	25	25
DETECTION	RADAR	-	20	-
	VIDEO	4	20	80
BLANK-OUT SIGN		-	25	-
NETWORK SWITCH (II OR III)		-	35	-
CELLULAR MODEM		-	15	-
		TOTAL FOR UPS =		447
UPS CHARGING		1	225	225
BATTERY HEATER MAT		1	180	180
CABINET HEATER		1	200	200
FLASHER		-	15	-
LED STREET NAME SIGN		-	120	-
LUMINAIRE		-	240	-
		TOTAL FOR SERVICE =		1,052

ENERGY COSTS TO:

CITY OF LAKE FOREST
800 N. FIELD DRIVE
LAKE FOREST, IL 60045

ENERGY SUPPLY: CONTACT: TERRI BLECK
PHONE: (847) 816-5239
COMPANY: COM-ED
ACCOUNT NUMBER: -

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "NTCIP LATEST VERSION".



CABLE PLAN
(NOT TO SCALE)

TS 10675
ECON 200

GEWALT HAMILTON ASSOCIATES, INC.

TS SHT NO. 10

MODEL: Default
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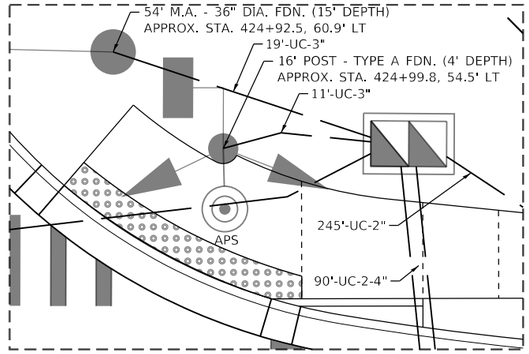
	DRAWN - ZCW	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - RJH	REVISED -	
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM, AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

SCALE: N.A. | SHEET OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	79
		CONTRACT NO. 61L42		
		ILLINOIS	FED. AID PROJECT	



SCALE: 1" = 5'

NOTES:

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
2. ALL PEDESTRIAN PUSH-BUTTONS SHALL BE APS.
3. APS BUTTONS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.
4. THIS LOCATION HAS BEEN DESIGNED TO BE ADA COMPLIANT, ANY DEVIATION FROM THIS PLAN FOR THE POSTS THAT HAVE PEDESTRIAN EQUIPMENT WILL HAVE TO BE APPROVED BY THE ENGINEER TO ENSURE ADA COMPLIANCE.

SCALE: 1" = 5'

SCALE: 1" = 5'

TS 10675

ECON 200

GEWALT HAMILTON ASSOCIATES, INC. TS SHT NO. 11

MODEL: Default
FILE NAME: G:\4600\4664.000 Lake Forest\4664.410 IL 43 at Westleigh\Microstation\Sheets\4664-410-sht-TS-Perm.dgn

USER NAME = dolesak	DESIGNED - RJH	REVISED -	
	DRAWN - ZCW	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - RJH	REVISED -	
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -	

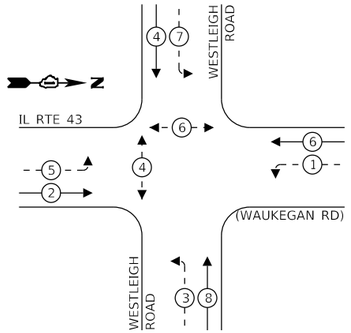
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

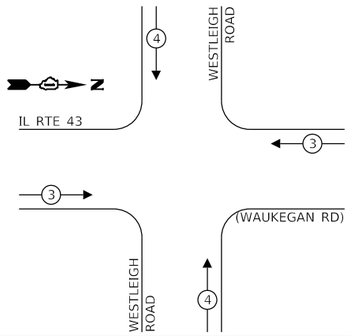
SCALE: 1"=20' | SHEET OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	80
		CONTRACT NO. 61L42		
		ILLINOIS	FED. AID PROJECT	

PROPOSED CONTROLLER SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

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

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE		QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD	3-SECTION	11	11	121
	4-SECTION	-	14	-
	5-SECTION	8	13	104
PROGRAMMABLE SIGNAL	3-SECTION	-	22	-
	4-SECTION	-	32	-
	5-SECTION	-	28	-
PEDESTRIAN SIGNAL		4	15	60
CONTROLLER		1	150	-
MASTER CONTROLLER		-	100	-
UPS		1	25	25
DETECTION	RADAR	-	20	-
	VIDEO	2	20	40
BLANK-OUT SIGN		-	25	-
NETWORK SWITCH (II OR III)		-	35	-
CELLULAR MODEM		-	15	-
		TOTAL FOR UPS =		350
UPS CHARGING		1	225	225
BATTERY HEATER MAT		1	180	180
CABINET HEATER		1	200	200
FLASHER		-	15	-
LED STREET NAME SIGN		-	120	-
LUMINAIRE		-	240	-
		TOTAL FOR SERVICE =		955

ENERGY COSTS TO:

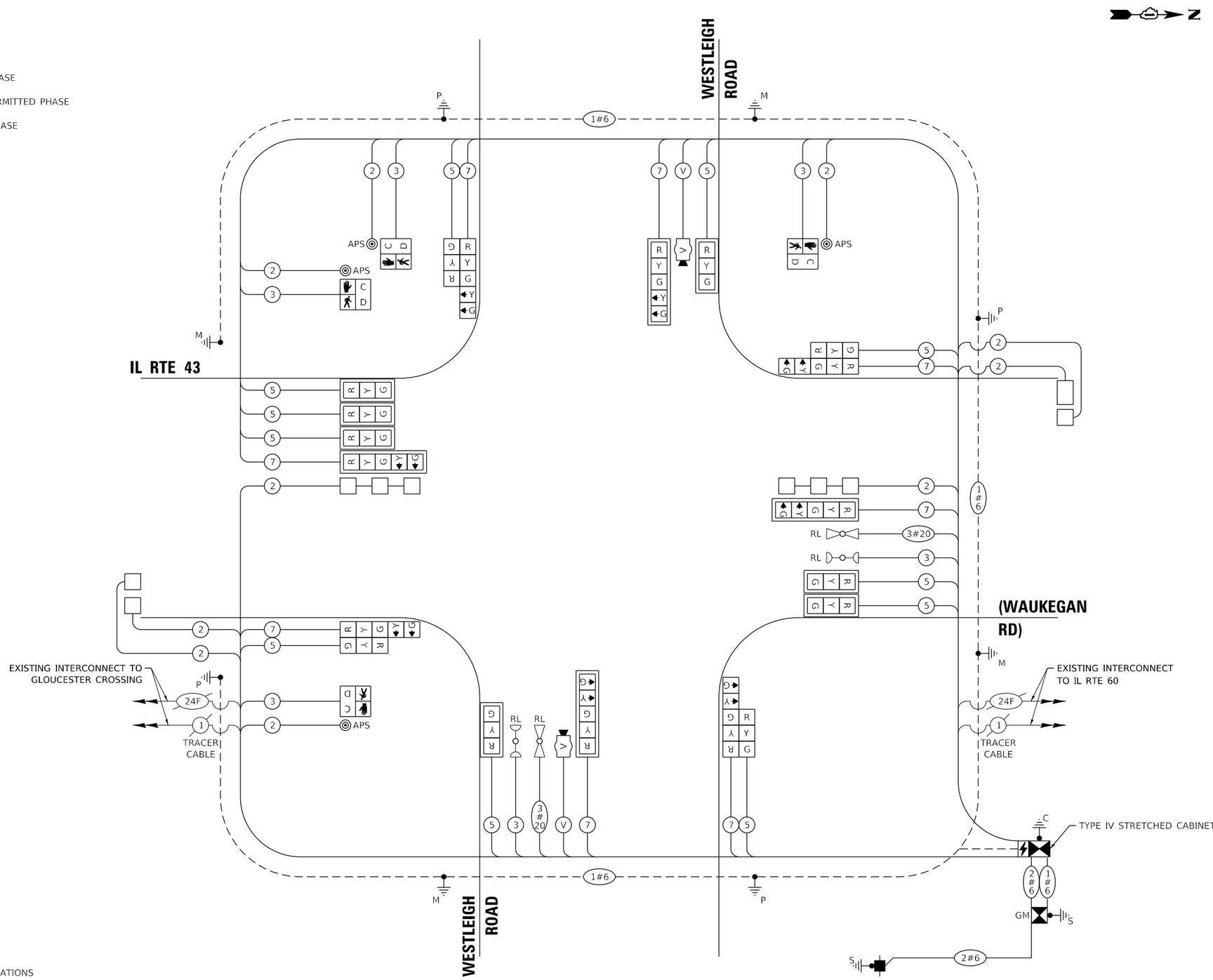
CITY OF LAKE FOREST
800 N. FIELD DRIVE
LAKE FOREST, IL 60045

ENERGY SUPPLY: CONTACT: TERRI BLECK
PHONE: (847) 816-5239
COMPANY: COM-ED
ACCOUNT NUMBER: -

NOTE:

ALL RED SIGNAL INDICATIONS SHALL HAVE A LENS COVER.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "NTCIP LATEST VERSION".



CABLE PLAN
(NOT TO SCALE)

TS 10675
ECON 200

GEWALT HAMILTON ASSOCIATES, INC.

TS SHT NO. 12

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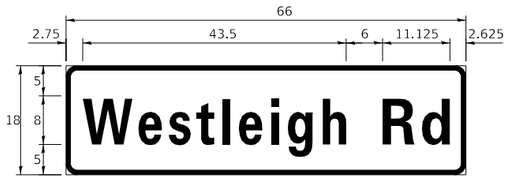
	DRAWN - ZCW	REVISED -		
PLOT SCALE = 40.0000 ' / in.	CHECKED - RJH	REVISED -		SCALE: N.A. SHEET OF SHEETS STA. TO STA.
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -		

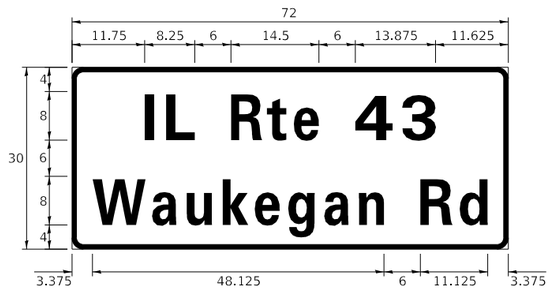
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	81
		CONTRACT NO. 61L42		
	ILLINOIS FED. AID PROJECT			

SIGN PANEL – TYPE 1 OR TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	8.25	1	ZZ	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	15.00	2	ZZ	2

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
SIGN PANEL - TYPE 1	SQ FT	16.5
SIGN PANEL - TYPE 2	SQ FT	30
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	646
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	163
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	462
HANDHOLE	EACH	4
HEAVY-DUTY HANDHOLE	EACH	2
DOUBLE HANDHOLE	EACH	2
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	916
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,281
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2,343
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,675
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1,930
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	48
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	604
TRAFFIC SIGNAL POST, 16 FT.	EACH	4
STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 54 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	20
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	54
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	7
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	11
INDUCTIVE LOOP DETECTOR	EACH	6
DETECTOR LOOP, TYPE I	FOOT	380
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	2
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	8
REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	8
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	338
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV STRETCHED CABINET (SPECIAL)	EACH	1
UNINTERRUPTABLE POWER SUPPLY AND CABINET (SPECIAL)	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4
LED SIGNAL FACE, LENS COVER	EACH	19
VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	2
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

TS 10675
ECON 200

GHA GEWALT HAMILTON ASSOCIATES, INC. TS SHT NO. 13

MODEL: Default
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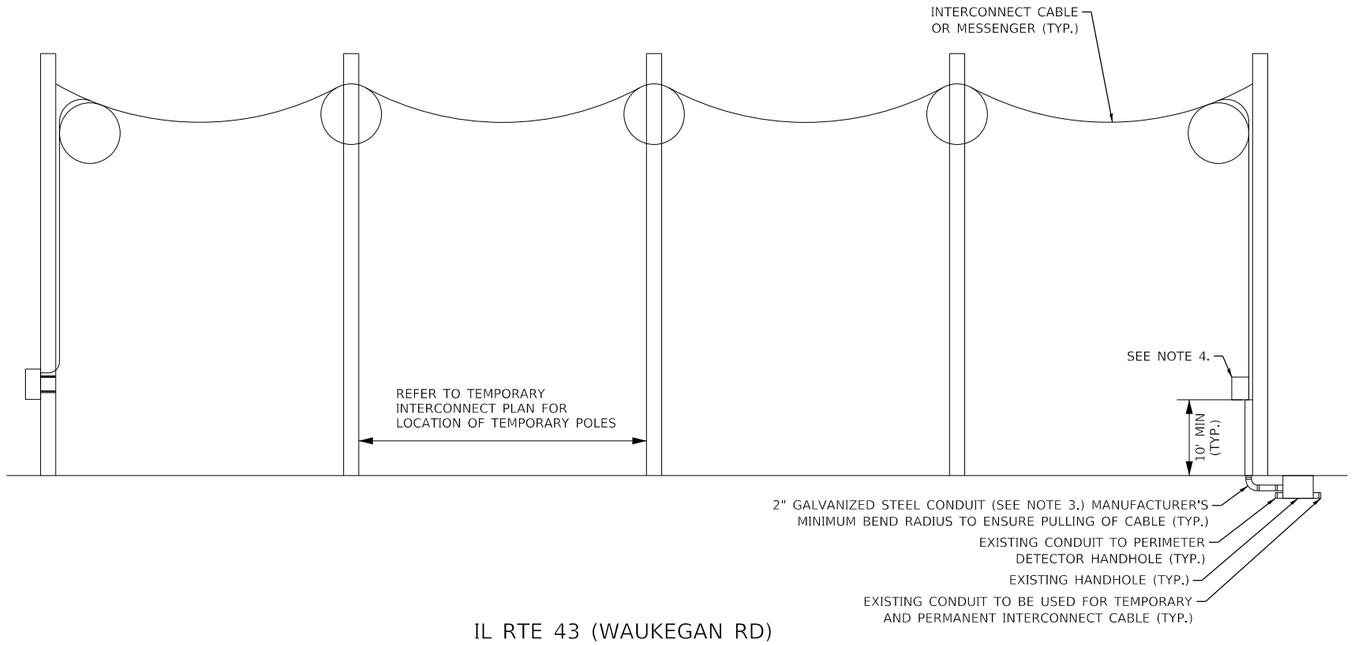
	DRAWN - ZCW	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - RJH	REVISED -	
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAST ARM MOUNTED STREET NAME SIGNS AND SCHEDULE OF QUANTITIES
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

SCALE: N.A. | SHEET OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	82
		CONTRACT NO. 61L42		
	ILLINOIS FED. AID PROJECT			



IL RTE 43 (WAUKEGAN RD)
AERIALLY SUPPORTED INTERCONNECT CABLE

(NOT TO SCALE)

CONSTRUCTION NOTES:

1. TRANSFER OF EXISTING TO TEMPORARY INTERCONNECT CABLE AND TEMPORARY INTERCONNECT CABLE TO PROPOSED MUST BE COMPLETED IN ONE (1) WORKING DAY DURING NON-PEAK HOURS OR AS DIRECTED BY THE ENGINEER.
2. THE 2" CONDUIT USED FOR THE TEMPORARY INTERCONNECT CABLE SHALL BE REMOVED TO BELOW THE GROUND LEVEL AND CAPPED AT THE TIME THE TEMPORARY TRAFFIC SIGNAL IS REMOVED.
3. CONTRACTOR MUST NOTIFY LCDOT SIGNAL SYSTEM ENGINEERS A MINIMUM OF SEVEN (7) WORKING DAYS PRIOR TO THE START OF ANY WORK ON THE INTERCONNECT SIGNAL SYSTEM.
4. THE EXISTING AND TEMPORARY FIBER SHALL BE SPLICED IN A WEATHERPROOF ENCLOSURE MOUNTED ON THE WOOD POLE IN A WORKMAN-LIKE MANNER. THE CONTRACTOR SHALL STAGE WORK SO THE DURATION OF INTERRUPTION TO COMMUNICATIONS IS MINIMAL.

GHA GEWALT HAMILTON ASSOCIATES, INC. TS SHT NO. 14

MODEL: Temp. Aerial Cable
FILE NAME: G:\4600\4664\000 Lake Forest\4664-410 IL 43 at Westleigh\Microstation\Sheets\4664-410-sht-TS-Detail-Int.dgn

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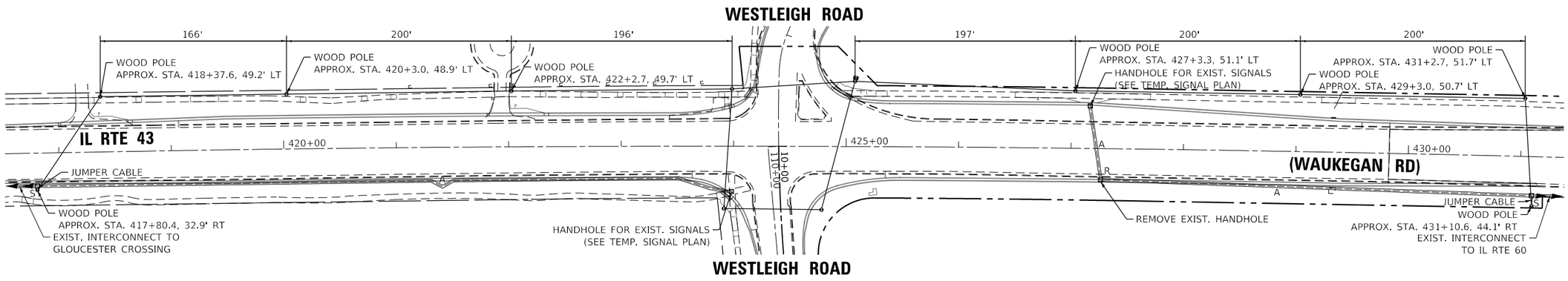
	DRAWN - ZCW	REVISED -	
PLOT SCALE = 2.00 ' / in.	CHECKED - RJH	REVISED -	
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -	

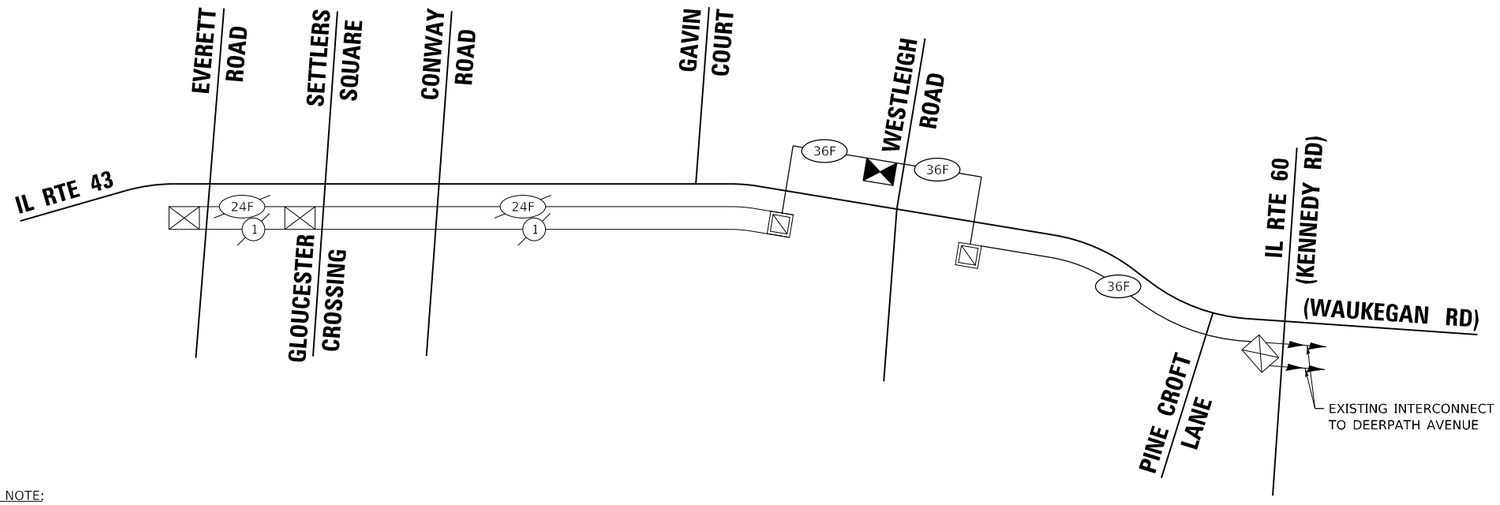
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY INTERCONNECT PLAN AND SCHEMATIC
ECON 200 – IL RTE 43 (WAUKEGAN RD)

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	83
		CONTRACT NO. 61L42		
		ILLINOIS	FED. AID PROJECT	





CONSTRUCTION NOTE:

THE CONTRACTOR SHALL PULL THE EXISTING FIBER OPTIC AND TRACER CABLES BACK FROM THE TRAFFIC CABINET AT WESTLEIGH ROAD TO THE HANDHOLES AT APPROX. STA. 418+00 AND 431+00, AND SPLICE IN THE TEMPORARY AERIAL FIBER AS PER THE SPECIFICATIONS, TO THE SATISFACTION OF THE ENGINEER. AFTER THE NEW TRAFFIC CABINET AND CONDUIT HAVE BEEN INSTALLED, THE CONTRACTOR SHALL PULL THE FIBER OPTIC AND TRACER CABLES THROUGH THE NEW CONDUIT TO THE NEW TRAFFIC CABINET AND RECONNECT ALL FIBERS AS PER THE PERMANENT INTERCONNECT SHEETS. ALL LABOR AND MATERIALS REQUIRED TO REMOVE, SAFELY STORE, REINSTALL, AND RECONNECT THE FIBER OPTIC CABLE, INCLUDING ANY FIBER OPTIC CABLE SPLICING OR TERMINATIONS, TO THE SATISFACTION OF THE ENGINEER SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR "REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT".

ECON 200

GEWALT HAMILTON ASSOCIATES, INC. TS SHT NO. 15

MODEL: Default
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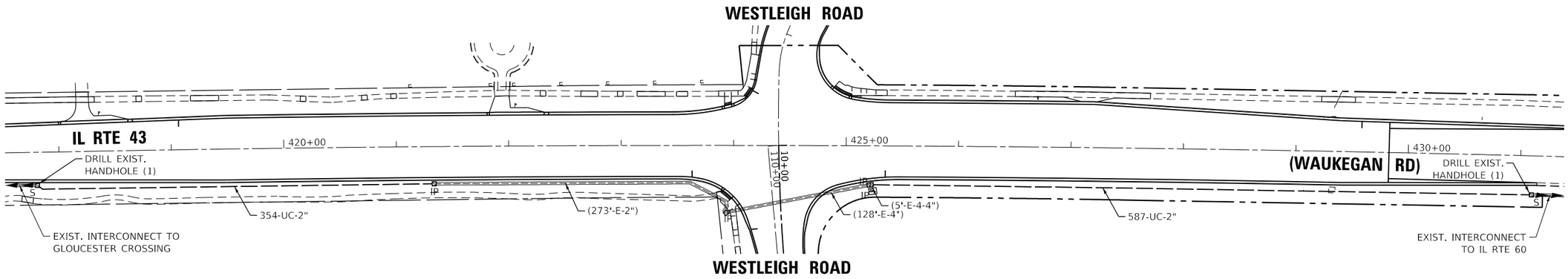
PLOT SCALE = 100.0000 ' / in.	CHECKED - RJH	REVISED -	
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY AERIAL INTERCONNECT DETAIL
ECON 200 – IL RTE 43 (WAUKEGAN RD)

SCALE: N.A. | SHEET OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	84
		CONTRACT NO. 61L42		
	ILLINOIS	FED. AID PROJECT		



CONSTRUCTION NOTE;

THE CONTRACTOR SHALL PULL THE EXISTING FIBER OPTIC AND TRACER CABLES STORED AT THE HANDHOLES AT APPROX. STA. 418+00 AND 431+00 THROUGH THE NEW CONDUIT TO THE NEW CONTROLLER CABINET. ALL LABOR AND MATERIALS REQUIRED TO REMOVE, SAFELY STORE, REINSTALL, AND RECONNECT THE FIBER OPTIC CABLE, INCLUDING ANY FIBER OPTIC CABLE SPLICING OR TERMINATIONS, AS SHOWN IN THE FIBER SPLICE PLAN TO THE SATISFACTION OF THE ENGINEER SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR "REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT".

ECON 200

GEWALT HAMILTON ASSOCIATES, INC. TS SHT NO. 16

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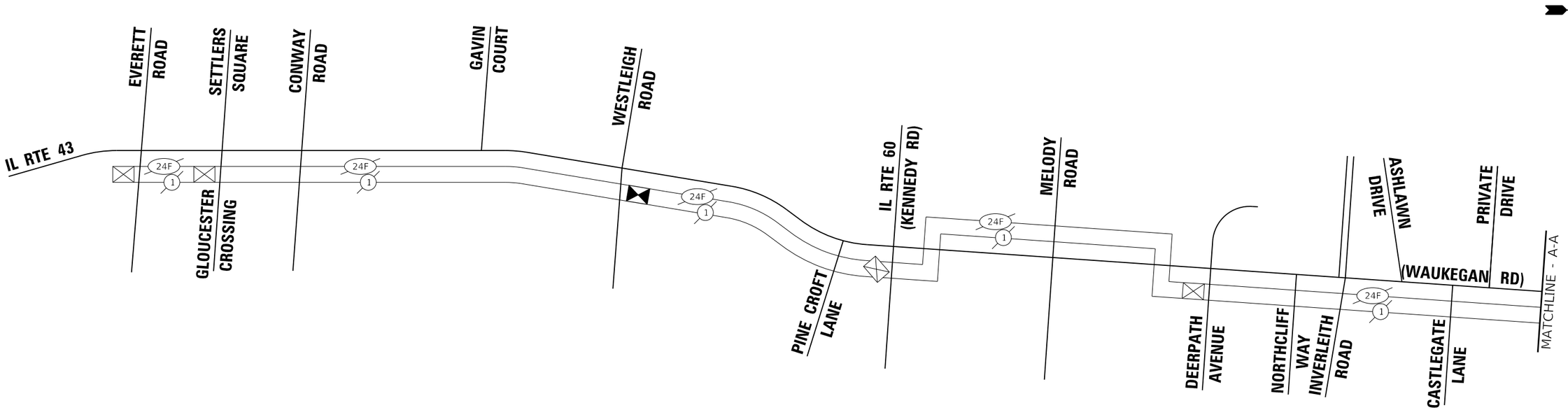
	DRAWN - ZCW	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - RJH	REVISED -
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PERMANENT INTERCONNECT PLAN
ECON 200 – IL RTE 43 (WAUKEGAN RD)

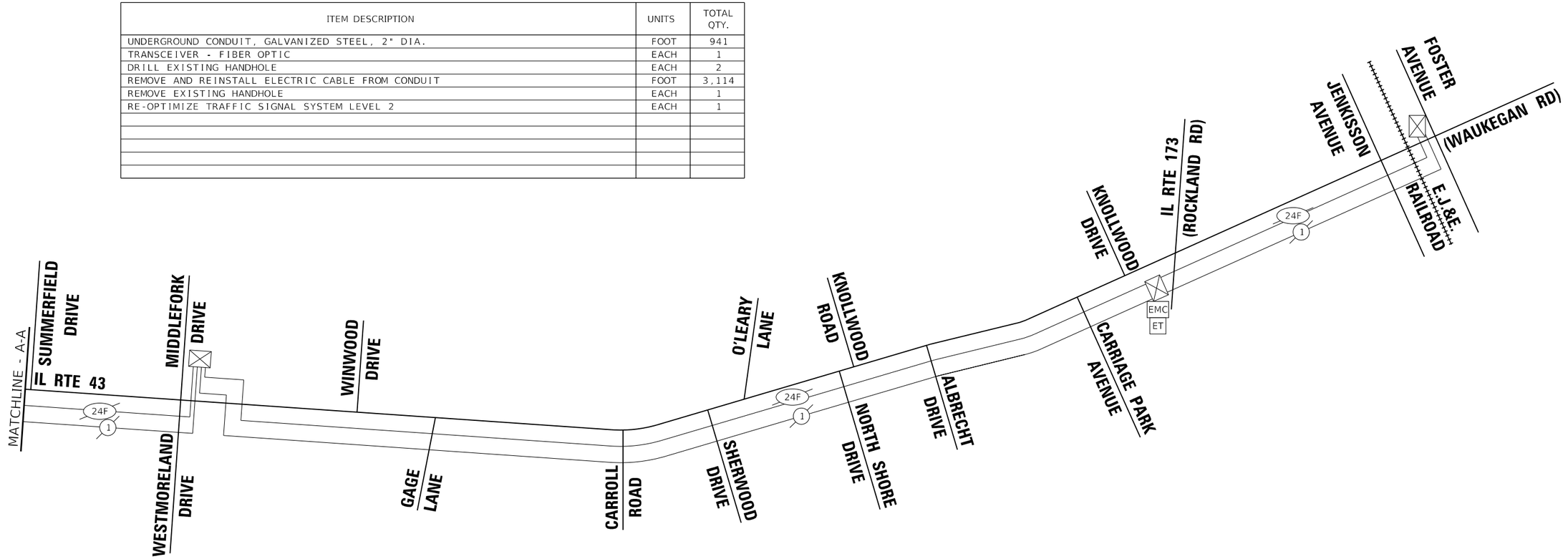
SCALE: 1"=50' | SHEET OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	85
		CONTRACT NO. 61L42		
	ILLINOIS FED. AID PROJECT			



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	941
TRANSCEIVER - FIBER OPTIC	EACH	1
DRILL EXISTING HANDHOLE	EACH	2
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	3,114
REMOVE EXISTING HANDHOLE	EACH	1
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1



ECON 200

GEWALT HAMILTON ASSOCIATES, INC. TS SHT NO. 17

MODEL: Schematic
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	DRAWN - ZCW	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - RJH	REVISED -	
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

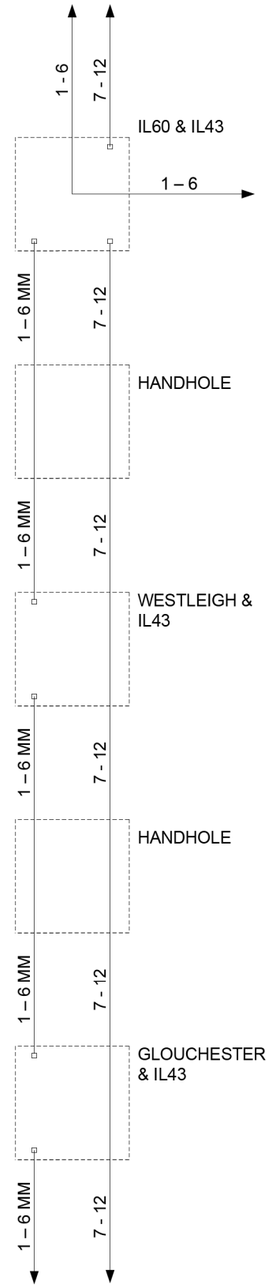
PERMANENT INTERCONNECT SCHEMATIC
ECON 200 – IL RTE 43 (WAUKEGAN RD)

SCALE: N.A. | SHEET OF SHEETS | STA. | TO STA.

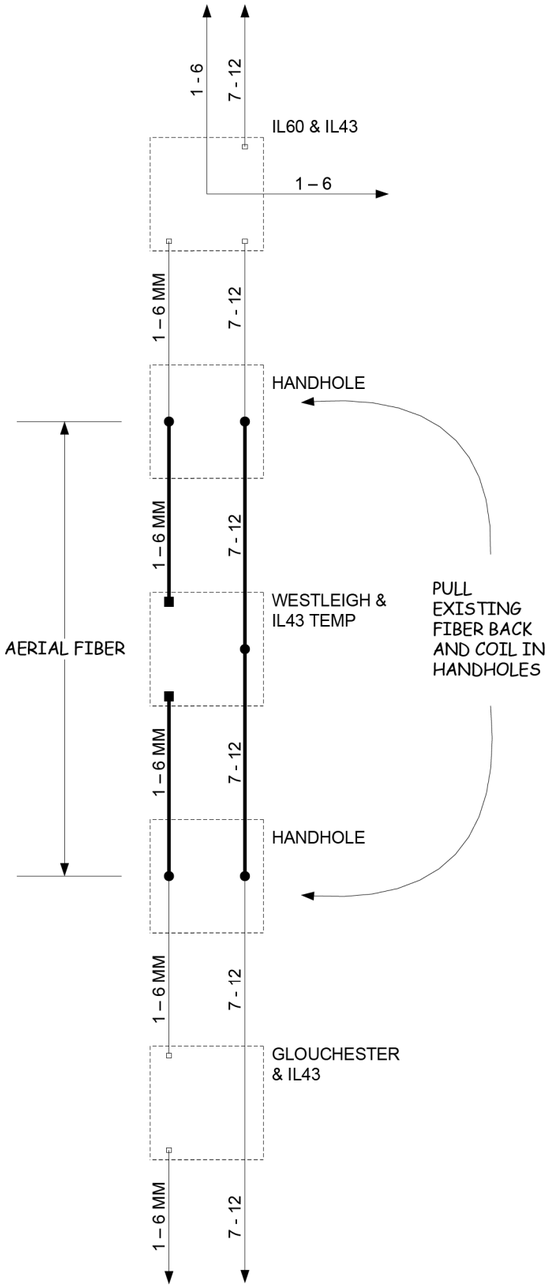
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	86
		CONTRACT NO. 61L42		
	ILLINOIS FED. AID PROJECT			

PARSONS

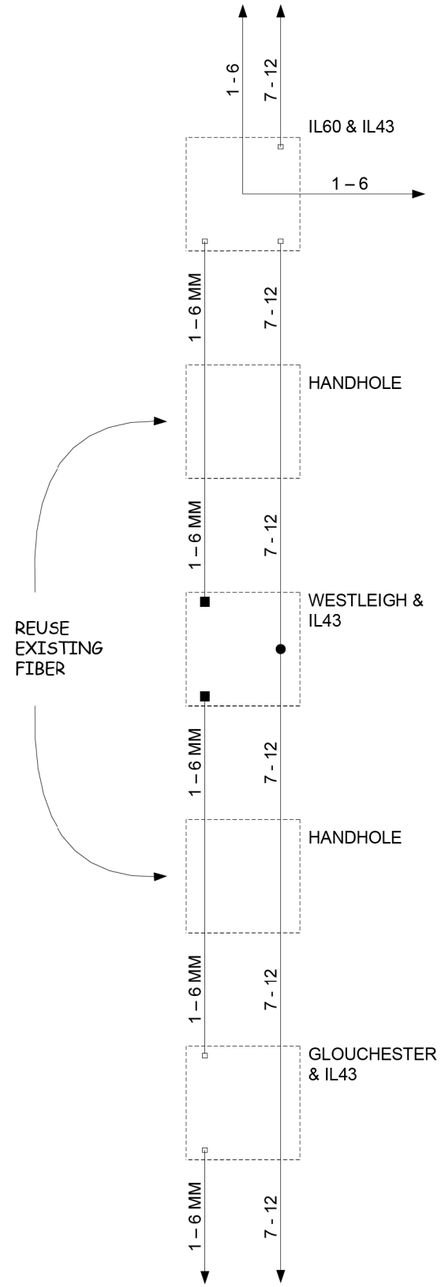
EXISTING CONNECTOR / EXISTING FIBER
NEW CONNECTOR / EXISTING FIBER
EXISTING FUSION SPLICE / EXISTING FIBER
NEW FUSION SPLICE / EXISTING FIBER
NEW CONNECTOR / NEW FIBER
NEW FUSION SPLICE / NEW FIBER



EXISTING



TEMP



FINAL

GHA GEWALT HAMILTON ASSOCIATES, INC. TS SHT NO.18

DESIGNED - DG	REVISED -		
DRAWN - YM	REVISED -		
CHECKED - DG	REVISED -		
DATE 2021.11.17	REVISED -		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

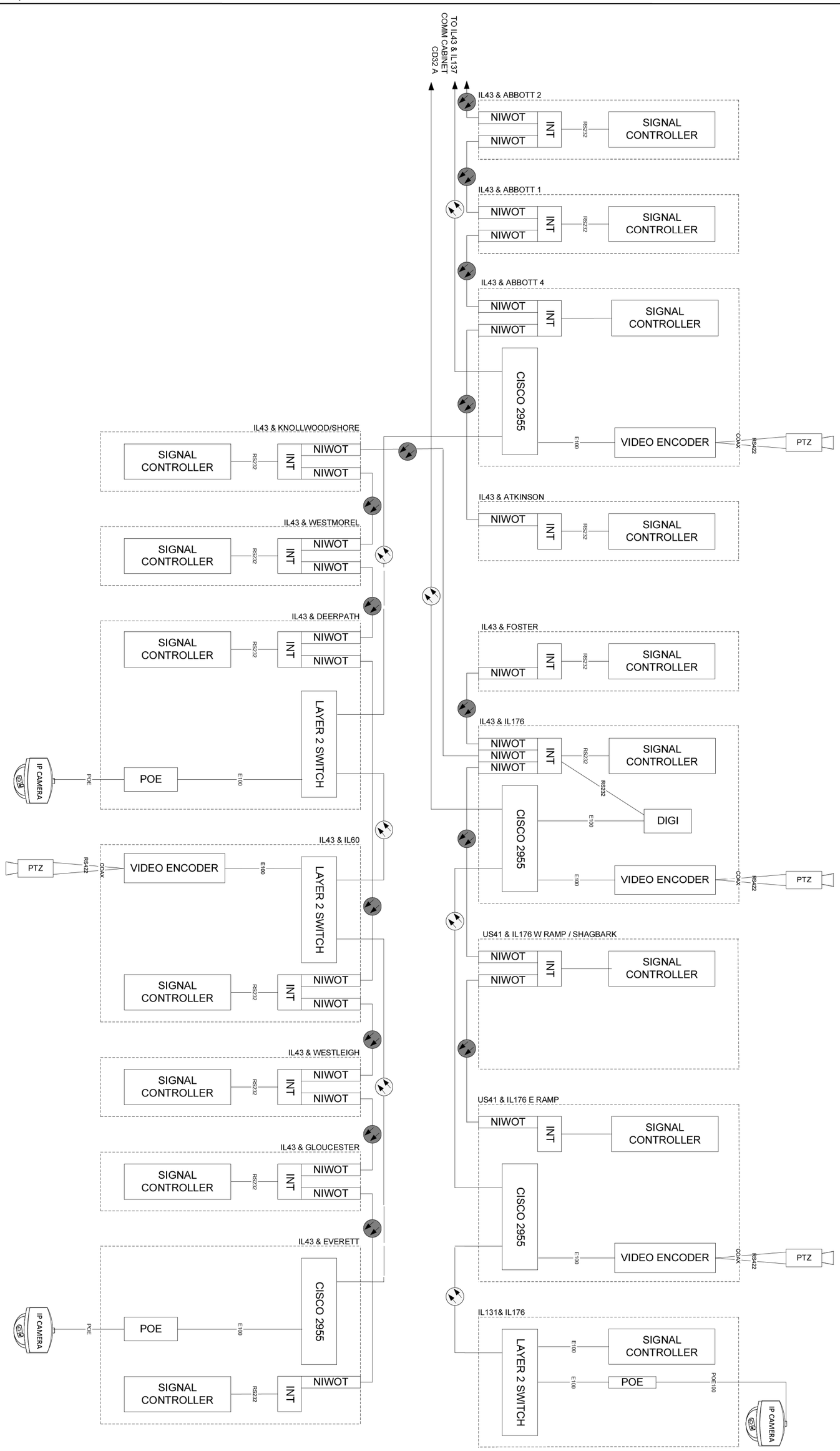
IL43 & WESTLEIGH
FIBER SPLICING DIAGRAM

SCALE N/A

ROUTE	SECTION	SECTION NUMBER	SHEET	SHEETS
2706/4070		13-00095-00-CH	$SNUM$	87

GHA GEWALT HAMILTON ASSOCIATES, INC. TS SHT NO. 19

PARSONS



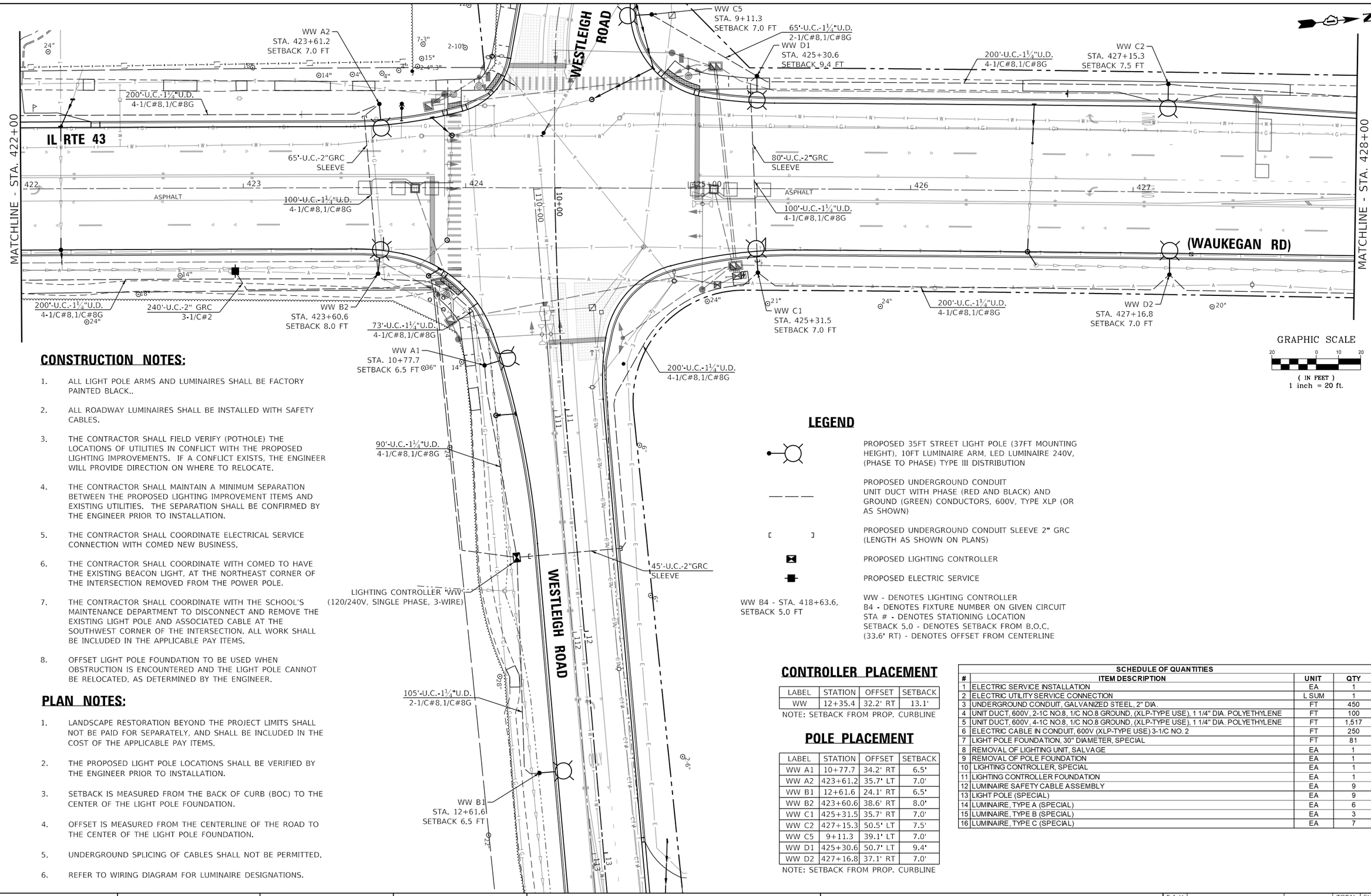
DESIGNED - DG	REVISED -
DRAWN - YM	REVISED -
CHECKED - DG	REVISED -
DATE 2021.11.17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

32B
IL137 / IL43

SCALE N/A

ROUTE	SECTION	SECTION NUMBER	SHEET	SHEETS
2706/4070		13-00095-00-CH	#SNUM#	88



CONSTRUCTION NOTES:

1. ALL LIGHT POLE ARMS AND LUMINAIRES SHALL BE FACTORY PAINTED BLACK..
2. ALL ROADWAY LUMINAIRES SHALL BE INSTALLED WITH SAFETY CABLES.
3. THE CONTRACTOR SHALL FIELD VERIFY (POTHOLE) THE LOCATIONS OF UTILITIES IN CONFLICT WITH THE PROPOSED LIGHTING IMPROVEMENTS. IF A CONFLICT EXISTS, THE ENGINEER WILL PROVIDE DIRECTION ON WHERE TO RELOCATE.
4. THE CONTRACTOR SHALL MAINTAIN A MINIMUM SEPARATION BETWEEN THE PROPOSED LIGHTING IMPROVEMENT ITEMS AND EXISTING UTILITIES. THE SEPARATION SHALL BE CONFIRMED BY THE ENGINEER PRIOR TO INSTALLATION.
5. THE CONTRACTOR SHALL COORDINATE ELECTRICAL SERVICE CONNECTION WITH COMED NEW BUSINESS.
6. THE CONTRACTOR SHALL COORDINATE WITH COMED TO HAVE THE EXISTING BEACON LIGHT, AT THE NORTHEAST CORNER OF THE INTERSECTION REMOVED FROM THE POWER POLE.
7. THE CONTRACTOR SHALL COORDINATE WITH THE SCHOOL'S MAINTENANCE DEPARTMENT TO DISCONNECT AND REMOVE THE EXISTING LIGHT POLE AND ASSOCIATED CABLE AT THE SOUTHWEST CORNER OF THE INTERSECTION. ALL WORK SHALL BE INCLUDED IN THE APPLICABLE PAY ITEMS.
8. OFFSET LIGHT POLE FOUNDATION TO BE USED WHEN OBSTRUCTION IS ENCOUNTERED AND THE LIGHT POLE CANNOT BE RELOCATED, AS DETERMINED BY THE ENGINEER.

PLAN NOTES:

1. LANDSCAPE RESTORATION BEYOND THE PROJECT LIMITS SHALL NOT BE PAID FOR SEPARATELY, AND SHALL BE INCLUDED IN THE COST OF THE APPLICABLE PAY ITEMS.
2. THE PROPOSED LIGHT POLE LOCATIONS SHALL BE VERIFIED BY THE ENGINEER PRIOR TO INSTALLATION.
3. SETBACK IS MEASURED FROM THE BACK OF CURB (BOC) TO THE CENTER OF THE LIGHT POLE FOUNDATION.
4. OFFSET IS MEASURED FROM THE CENTERLINE OF THE ROAD TO THE CENTER OF THE LIGHT POLE FOUNDATION.
5. UNDERGROUND SPLICING OF CABLES SHALL NOT BE PERMITTED.
6. REFER TO WIRING DIAGRAM FOR LUMINAIRE DESIGNATIONS.

LEGEND

PROPOSED 35FT STREET LIGHT POLE (37FT MOUNTING HEIGHT), 10FT LUMINAIRE ARM, LED LUMINAIRE 240V, (PHASE TO PHASE) TYPE III DISTRIBUTION

PROPOSED UNDERGROUND CONDUIT
UNIT DUCT WITH PHASE (RED AND BLACK) AND GROUND (GREEN) CONDUCTORS, 600V, TYPE XLP (OR AS SHOWN)

[ ] PROPOSED UNDERGROUND CONDUIT SLEEVE 2" GRC (LENGTH AS SHOWN ON PLANS)

PROPOSED LIGHTING CONTROLLER

PROPOSED ELECTRIC SERVICE

WW B4 - STA. 418+63.6, SETBACK 5.0 FT

WW - DENOTES LIGHTING CONTROLLER
B4 - DENOTES FIXTURE NUMBER ON GIVEN CIRCUIT
STA # - DENOTES STATIONING LOCATION
SETBACK 5.0 - DENOTES SETBACK FROM B.O.C.
(33.6' RT) - DENOTES OFFSET FROM CENTERLINE

CONTROLLER PLACEMENT

LABEL	STATION	OFFSET	SETBACK
WW	12+35.4	32.2' RT	13.1'

NOTE: SETBACK FROM PROP. CURBLINE

POLE PLACEMENT

LABEL	STATION	OFFSET	SETBACK
WW A1	10+77.7	34.2' RT	6.5'
WW A2	423+61.2	35.7' LT	7.0'
WW B1	12+61.6	24.1' RT	6.5'
WW B2	423+60.6	38.6' RT	8.0'
WW C1	425+31.5	35.7' RT	7.0'
WW C2	427+15.3	50.5' LT	7.5'
WW C5	9+11.3	39.1' LT	7.0'
WW D1	425+30.6	50.7' LT	9.4'
WW D2	427+16.8	37.1' RT	7.0'

NOTE: SETBACK FROM PROP. CURBLINE

SCHEDULE OF QUANTITIES

#	ITEM DESCRIPTION	UNIT	QTY
1	ELECTRIC SERVICE INSTALLATION	EA	1
2	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1
3	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FT	450
4	UNIT DUCT, 600V, 2-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FT	100
5	UNIT DUCT, 600V, 4-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FT	1,517
6	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 2	FT	250
7	LIGHT POLE FOUNDATION, 30" DIAMETER, SPECIAL	FT	81
8	REMOVAL OF LIGHTING UNIT, SALVAGE	EA	1
9	REMOVAL OF POLE FOUNDATION	EA	1
10	LIGHTING CONTROLLER, SPECIAL	EA	1
11	LIGHTING CONTROLLER FOUNDATION	EA	1
12	LUMINAIRE SAFETY CABLE ASSEMBLY	EA	9
13	LIGHT POLE (SPECIAL)	EA	9
14	LUMINAIRE, TYPE A (SPECIAL)	EA	6
15	LUMINAIRE, TYPE B (SPECIAL)	EA	3
16	LUMINAIRE, TYPE C (SPECIAL)	EA	7

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: Default
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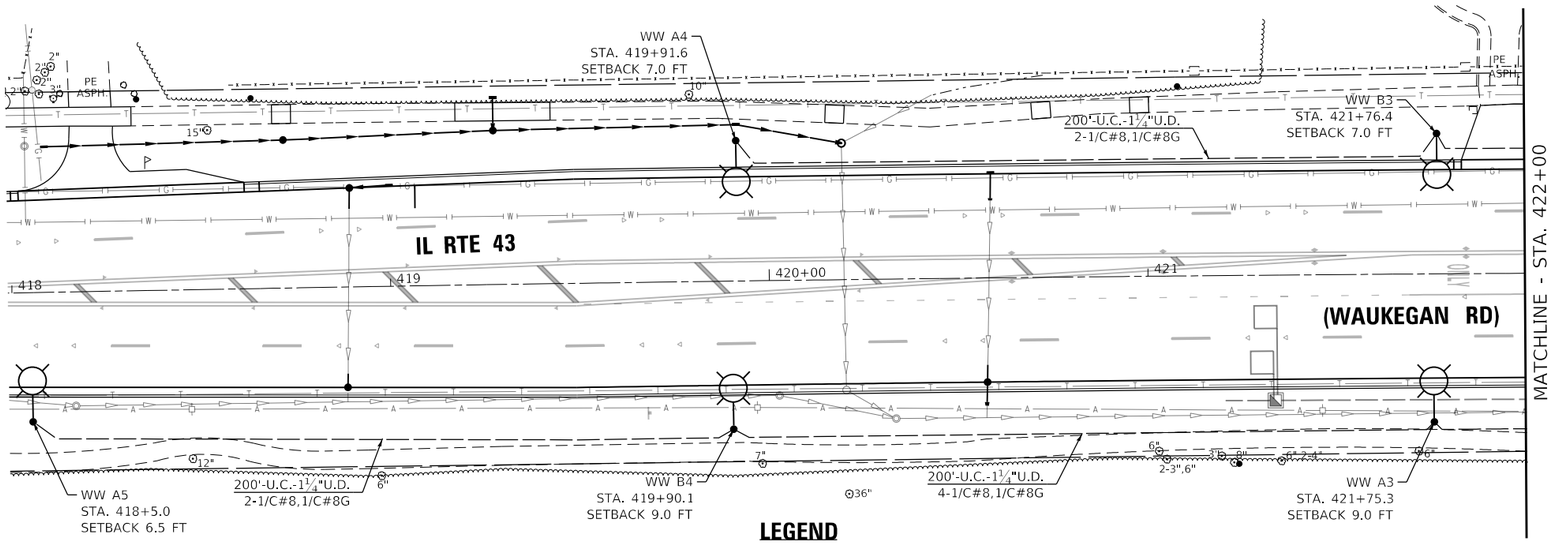
	DRAWN - ZCW	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - AJP	REVISED -	
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD
SCALE: 1"=20' | SHEET OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	89
		CONTRACT NO. 61L42		
	ILLINOIS	FED. AID PROJECT		



GRAPHIC SCALE

20 0 10 20

(IN FEET)
1 inch = 20 ft.

CONSTRUCTION NOTES:

1. ALL LIGHT POLE ARMS AND LUMINAIRES SHALL BE FACTORY PAINTED BLACK.
2. ALL ROADWAY LUMINAIRES SHALL BE INSTALLED WITH SAFETY CABLES.
3. THE CONTRACTOR SHALL FIELD VERIFY (POTHOLE) THE LOCATIONS OF UTILITIES IN CONFLICT WITH THE PROPOSED LIGHTING IMPROVEMENTS. IF A CONFLICT EXISTS, THE ENGINEER WILL PROVIDE DIRECTION ON WHERE TO RELOCATE.
4. THE CONTRACTOR SHALL MAINTAIN A MINIMUM SEPARATION BETWEEN THE PROPOSED LIGHTING IMPROVEMENT ITEMS AND EXISTING UTILITIES. THE SEPARATION SHALL BE CONFIRMED BY THE ENGINEER PRIOR TO INSTALLATION.
5. THE CONTRACTOR SHALL COORDINATE ELECTRICAL SERVICE CONNECTION WITH COMED NEW BUSINESS.
6. THE CONTRACTOR SHALL COORDINATE WITH COMED TO HAVE THE EXISTING BEACON LIGHT, AT THE NORTHEAST CORNER OF THE INTERSECTION REMOVED FROM THE POWER POLE.
7. THE CONTRACTOR SHALL COORDINATE WITH THE SCHOOL'S MAINTENANCE DEPARTMENT TO DISCONNECT AND REMOVE THE EXISTING LIGHT POLE AND ASSOCIATED CABLE AT THE SOUTHWEST CORNER OF THE INTERSECTION. ALL WORK SHALL BE INCLUDED IN THE APPLICABLE PAY ITEMS.
8. OFFSET LIGHT POLE FOUNDATION TO BE USED WHEN OBSTRUCTION IS ENCOUNTERED AND THE LIGHT POLE CANNOT BE RELOCATED, AS DETERMINED BY THE ENGINEER.

PLAN NOTES:

1. LANDSCAPE RESTORATION BEYOND THE PROJECT LIMITS SHALL NOT BE PAID FOR SEPARATELY, AND SHALL BE INCLUDED IN THE COST OF THE APPLICABLE PAY ITEMS.
2. THE PROPOSED LIGHT POLE LOCATIONS SHALL BE VERIFIED BY THE ENGINEER PRIOR TO INSTALLATION.
3. SETBACK IS MEASURED FROM THE BACK OF CURB (BOC) TO THE CENTER OF THE LIGHT POLE FOUNDATION.
4. OFFSET IS MEASURED FROM THE CENTERLINE OF THE ROAD TO THE CENTER OF THE LIGHT POLE FOUNDATION.
5. UNDERGROUND SPLICING OF CABLES SHALL NOT BE PERMITTED.
6. REFER TO WIRING PLAN FOR LUMINAIRE DESIGNATIONS.

SCHEDULE OF QUANTITIES			
#	ITEM DESCRIPTION	UNIT	QTY
1	UNIT DUCT, 600V, 2-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FT	800
2	UNIT DUCT, 600V, 4-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FT	800
3	LIGHT POLE FOUNDATION, 30" DIAMETER, SPECIAL	FT	90
4	LUMINAIRE SAFETY CABLE ASSEMBLY	EA	10
5	LIGHT POLE (SPECIAL)	EA	10
6	LUMINAIRE, TYPE B (SPECIAL)	EA	10
7	LUMINAIRE, TYPE C (SPECIAL)	EA	8

LEGEND

PROPOSED 35FT STREET LIGHT POLE (37FT MOUNTING HEIGHT), 10FT LUMINAIRE ARM, LED LUMINAIRE 240V, (PHASE TO PHASE) TYPE III DISTRIBUTION

PROPOSED UNDERGROUND CONDUIT
UNIT DUCT WITH PHASE (RED AND BLACK) AND GROUND (GREEN) CONDUCTORS, 600V, TYPE XLP (OR AS SHOWN)

PROPOSED UNDERGROUND CONDUIT SLEEVE 2" GRC (LENGTH AS SHOWN ON PLANS)

PROPOSED LIGHTING CONTROLLER

PROPOSED ELECTRIC SERVICE

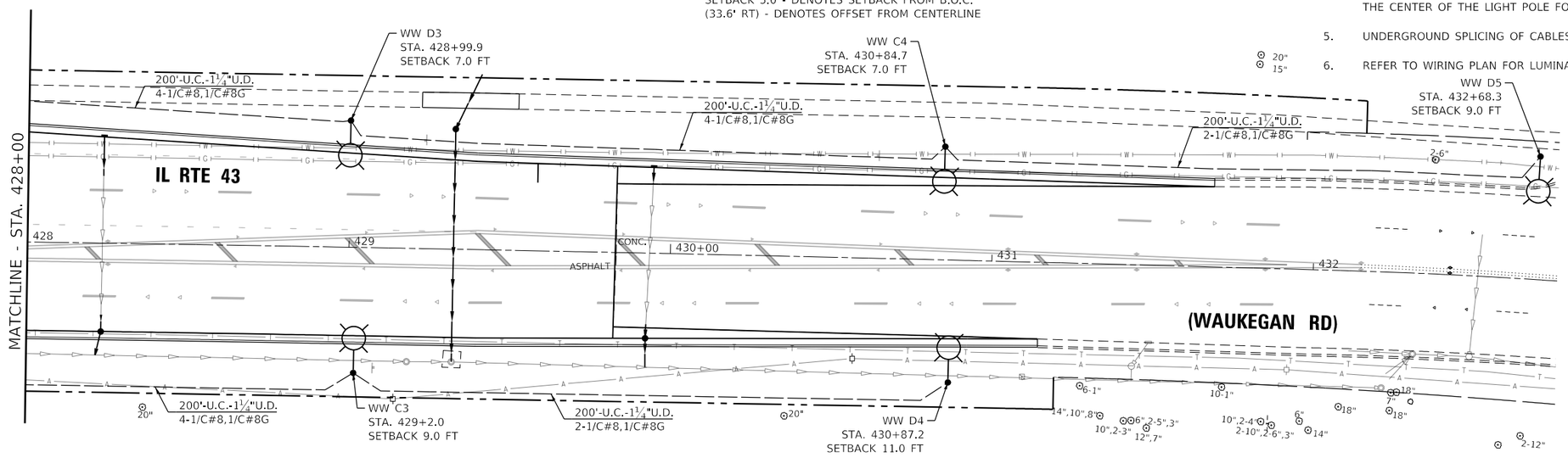
WW - DENOTES LIGHTING CONTROLLER
B4 - DENOTES FIXTURE NUMBER ON GIVEN CIRCUIT
STA # - DENOTES STATIONING LOCATION
SETBACK 5.0 - DENOTES SETBACK FROM B.O.C.
(33.6' RT) - DENOTES OFFSET FROM CENTERLINE

WW B4 - STA. 418+63.6,
SETBACK 5.0 FT

POLE PLACEMENT

LABEL	STATION	OFFSET	SETBACK
WW A3	421+75.3	39.1' RT	9.0'
WW A4	419+91.6	33.1' RT	7.0'
WW A5	418+5.0	32.6' RT	6.5'
WW B3	421+76.4	35.1' LT	7.0'
WW B4	419+90.1	37.1' RT	9.0'
WW C3	429+2.0	39.1' RT	9.0'
WW C4	430+84.7	35.2' LT	7.0'
WW D3	428+99.9	36.9' LT	7.0'
WW D4	430+87.2	38.1' RT	11.0'
WW D5	432+68.3	33.1' LT	9.0'

NOTE: SETBACK FROM PROP. CURBLINE



USER NAME = dolesak	DESIGNED - AJP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LIGHTING PLAN IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD	
	DRAWN - ZCW	REVISED -			
PLOT SCALE = 40.0000 ' / in.	CHECKED - AJP	REVISED -			
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -		SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	90
		CONTRACT NO. 61L42		
	ILLINOIS FED. AID PROJECT			

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: Sheet 02
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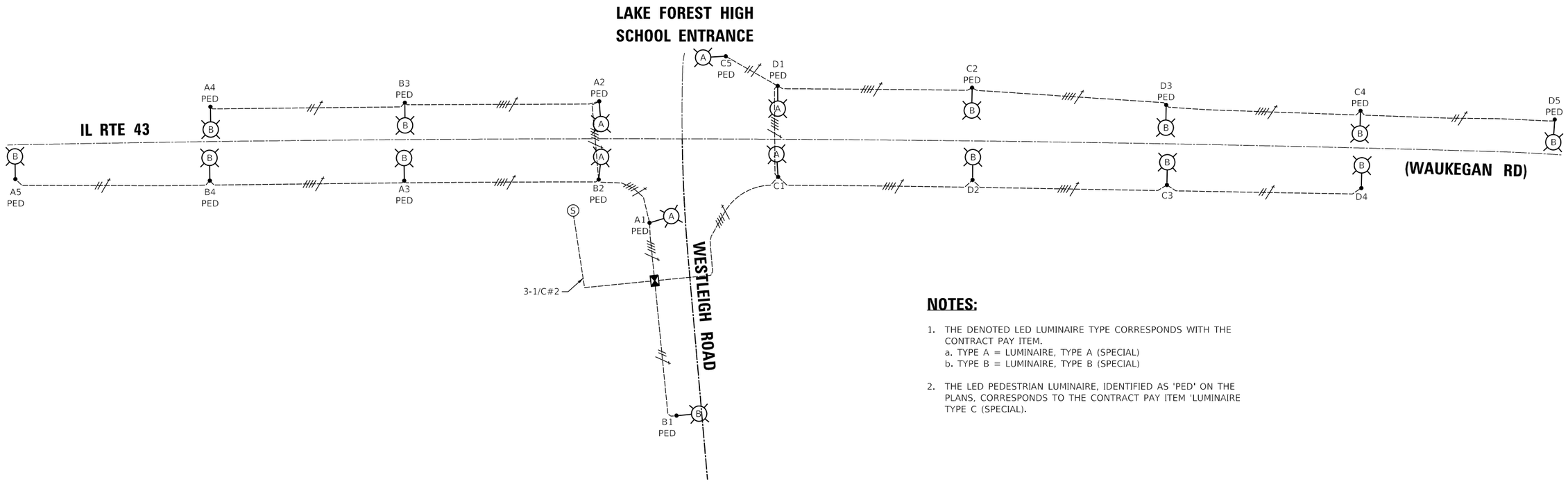


NOTES:

1. THE DENOTED LED LUMINAIRE TYPE CORRESPONDS WITH THE CONTRACT PAY ITEM.
   a. TYPE A = LUMINAIRE, TYPE A (SPECIAL)
   b. TYPE B = LUMINAIRE, TYPE B (SPECIAL)

2. THE LED PEDESTRIAN LUMINAIRE, IDENTIFIED AS 'PED' ON THE PLANS, CORRESPONDS TO THE CONTRACT PAY ITEM 'LUMINAIRE TYPE C (SPECIAL).

LEGEND

A# (H)	LIGHTING FIXTURE H - DENOTES LED LUMINAIRE TYPE # - DENOTES POLE NO. ON GIVEN CIRCUIT LETTER - DENOTES CIRCUIT DESIGNATION POLE MOUNTED LUMINAIRE
	2#8 AWG & 1#8 AWG GROUND, 600V. (XLP-RHW TYPE USE-2)
	4#8 AWG & 1#8 AWG GROUND, 600V. (XLP-RHW TYPE USE-2)
	PROPOSED LIGHTING CONTROLLER
(S)	PROPOSED 240/120 VOLT, SINGLE PHASE COMED SERVICE. IN 2" RIGID GALVANIZED STEEL
PED	DENOTES LIGHT POLE INCLUDES LED PEDESTRIAN LUMINAIRE

LOAD TABULATION AND VOLTAGE DROP
CONTROLLER 'WW'

CIRCUIT	WATTS	AMPS @ 240v	VOLTAGE DROP	CABLE SIZE	CABLE COLOR
A	1,470	6.1	1.5 (A5)	#8 AWG	RED-RED
B	1,148	4.8	1.0 (B4)	#8 AWG	BLACK-BLACK
C	1,470	6.1	2.0 (C4)	#8 AWG	RED-RED
D	1,423	5.9	2.1 (D5)	#8 AWG	BLACK-BLACK
TOTAL	5,511	22.9			

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: Schematic
FILE NAME: G:\4600\4664\4000 Lake Forest\4664-410 IL 43 at Westleigh\Microstation\Sheets\4664-410-sht-LT-Perm.dgn

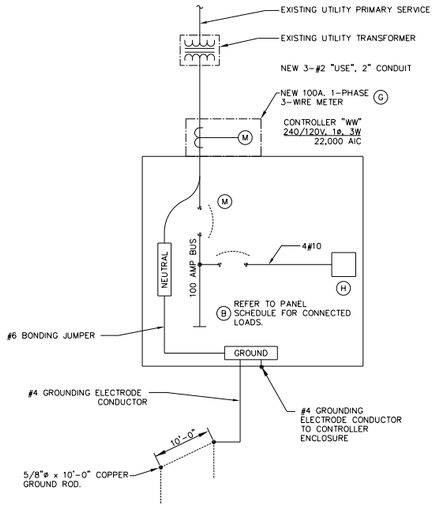
USER NAME = dolesak	DESIGNED - AJP	REVISED -	
	DRAWN - ZCW	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - AJP	REVISED -	
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WIRING DIAGRAM
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

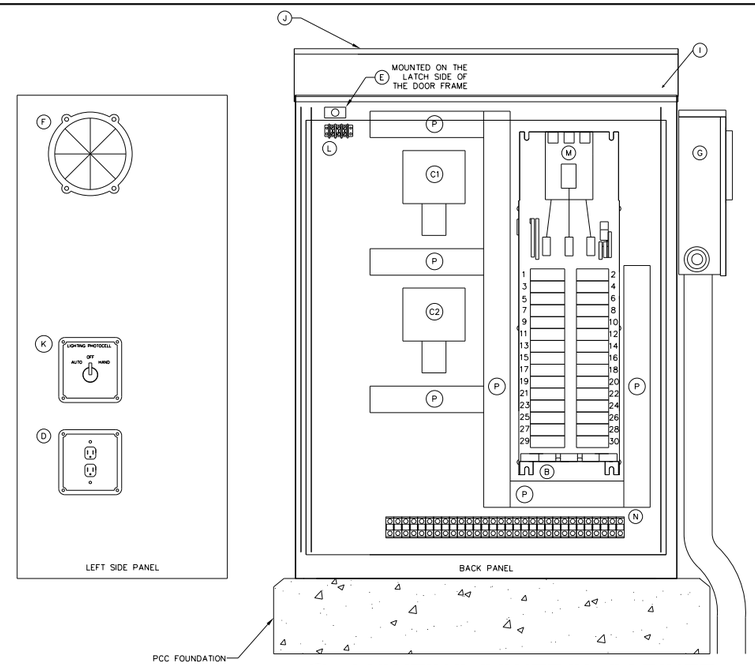
SCALE: N.A. | SHEET OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	91
		CONTRACT NO. 61L42		
	ILLINOIS FED. AID PROJECT			



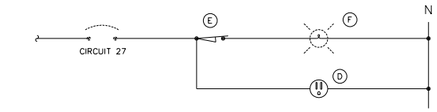
1 ONE LINE DIAGRAM CONTROLLER "WW"

NO SCALE



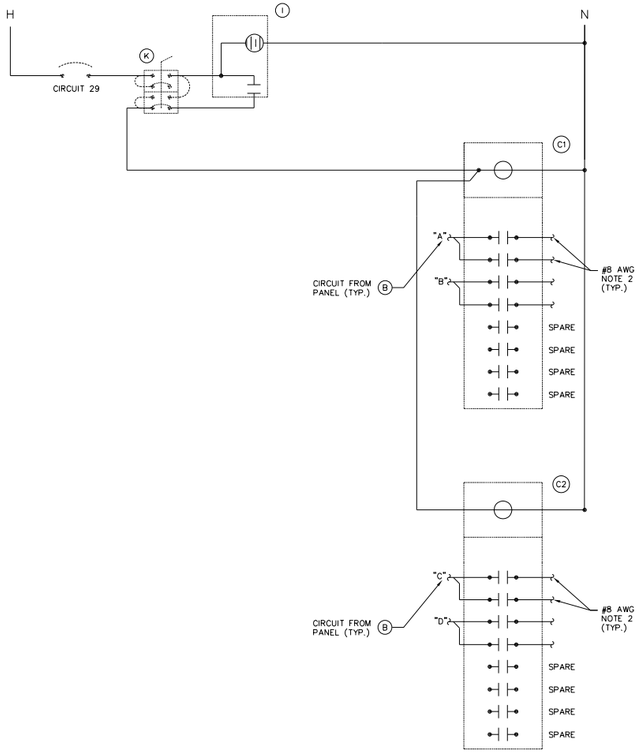
2 LIGHTING CONTROL CABINET

NO SCALE
U.L. LISTED



3 CABINET ELEMENTARY DIAGRAM

NO SCALE



4 LIGHTING CONTROL ELEMENTARY DIAGRAM

NO SCALE

NOTES:
1. ALL CABINET INTERIOR WIRING SHALL BE STRANDED COPPER #12 AWG THWN UNLESS NOTED OTHERWISE.
2. ROUTE TO STREET LIGHTING LUMINAIRES VIA TERMINAL BLOCK. (N)
3. REFER TO PROPOSED LIGHTING PLAN FOR BRANCH CIRCUIT WIRE AND CONDUIT SIZES FROM TERMINAL BLOCK "N" TO THE STREET LIGHTING POLES.

ONE-LINE DIAGRAM NOTES

1. AIC RATINGS LISTED FOR EQUIPMENT ARE MINIMUM REQUIREMENTS FOR BUS BRACING AND DEVICE RATING. ALL EQUIPMENT SHALL BE FULLY RATED UNLESS SPECIFICALLY NOTED AS SERIES RATED.
2. ALL FUSES FROM 0 AMPERE TO 200 AMPERE SHALL BE DUAL ELEMENT, CLASS RK-5 UNLESS NOTED OTHERWISE.

BILL OF MATERIALS FOR LIGHTING CONTROLLER "WW"

ITEM (#)	QUANTITY	DESCRIPTION
B	1	BRANCH CIRCUIT PANEL INTERIOR WITH DEAD FRONT TRIM, 100A COPPER BUS, 240/120 VOLT, MOLDED CASE THERMAL MAGNETIC CIRCUIT BREAKERS, BOLT ON TYPE, AIC RATING OF 22,000 AMPS AT 240 VOLTS. (REFER TO PANELBOARD SCHEDULE FOR BREAKER QUANTITY AND SIZE.)
C1 C2	2	LIGHTING CONTACTOR, ELECTRICALLY HELD, 8 POLE, 30 AMP, 120V COIL. PROVIDE WITH TWO-WIRE CONTROL FOR PHOTOCELL INTERFACE.
D	1	WEATHER RESISTANT (WR) GFI RECEPTACLE 120V, 20A, SPECIFICATION. GRADE, NEMA 5-20R IN WEATHER-PROOF BOX WITH FLAP-TYPE COVER.
E	1	20A SPDT MICRO SWITCH (MOUNT WITH ACTUATOR TO SWITCH WHEN DOOR OPENED), 120 VOLT, 15 AMP CONTACTS.
F	1	60 WATT LIGHT FIXTURE, VAPOR TIGHT WITH GLOBE, GUARD, AND MOUNTING BOX. LAMP PROVIDED WITH FIXTURE.
G	1	WEATHERPROOF METER FITTING, 1 PHASE, 3 WIRE, 200 AMP.
H	1	SURGE ARRESTOR, 100KA RATED, 120/240V, 1ø, 3W SERVICE.
I	1	PHOTOCELL, 120V, 1500 VA RATED, DOUBLE POLE, SINGLE POLE CONTACT, WEATHERPROOF AND CORROSION PROOF ENCLOSURE, U.L. LISTED. (TORK)
J	1	CABINET ENCLOSURE PAD MOUNTED, ALUMINUM, N.E.M.A. 3R CONSTRUCTION, FACTORY PRIMED AND PAINTED BLACK, WITH KEY LOCKING DOOR. KEY CYLINDER SHALL MATCH EXISTING VILLAGE LIGHTING CONTROLLER LOCKS. 30"W. 50"H. 17"D.
K	1	HAND-OFF-AUTO SELECTOR SWITCH, 600V RATED, IN GRADE MOUNTED SURFACE BOX.
L	1	COPPER LOAD TERMINAL BLOCK TO PHOTOCELL (ITEM I)
M	1	MAIN CIRCUIT BREAKER, MOLDED CASE THERMAL MAGNETIC, SERVICE ENTRANCE DUTY RATED 240 VOLT, 100 AMP, 2 POLE, AIC RATING OF 22,000 AMPS AT 240 VOLTS. INTEGRAL TO BRANCH PANEL.
N	1	COPPER LOAD TERMINAL BLOCK FOR AWG#8 AND AWG#12
P	1	WIRE DUCT

CONTROLLER NOTES:

1. THE CONTROLLER FOUNDATION SHALL HAVE TWO ADDITIONAL RACEWAYS INSTALLED FOR FUTURE USE.
2. THE CONTROL CABINET SHALL BE U.L. LISTED UNDER U.L. 508A.
3. ALL EXTERNAL HARDWARE SHALL BE STAINLESS STEEL.
4. THE METER FITTING SHALL BE PAINTED TO MATCH THE CONTROLLER CABINET.
5. THE ENCLOSURE SHALL BE VENTED. ONE INCH SCREENED VENT HOLES WILL BE PROVIDED IN THE OVER HANG.
6. THE CABINET SHALL BE PROVIDED WITH A 5" X 8" STAINLESS STEEL NAMEPLATE, ENGRAVED TO READ "CITY OF LAKE FOREST LIGHTING CONTROLLER"
7. THE DOORS SHALL BE GASKETED PER SPECIFICATIONS. THE DOOR HANDLE SHALL BE ¾" STAINLESS STEEL WITH KEY LOCK, AND HAVE A PROVISION FOR PADLOCKING
8. THE MOUNTING PANEL SHALL BE ½ INCH ARBORON MATERIAL. EXPOSED BUS BARS SHALL BE INSULATED.
9. CONNECTOR SCREWS SHALL BE PAINTED WHITE FOR THE NEUTRAL BUS AND GREEN FOR THE GROUNDING BUS.
10. ALL MULTIPLE CONNECTIONS TO A SINGLE SOURCE WILL BE ACCOMPLISHED BY USE OF SPLICE BLOCKS OR MULTI CONNECTION LUGS.
11. ALL LUGS SHALL BE OF COPPER SCREWS AND CONNECTORS, SPRING HELD.
12. ALL WIRING TERMINATIONS SHALL BE RATED NOT LESS THAN 75 DEGREE CENTIGRADE.
13. ALL DEVICES SHALL BE FRONT REMOVABLE.
14. ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED USING THE FOLLOWING ABBREVIATIONS:
    R – RED Y – YELLOW
    B – BLACK W – WHITE
    BL – BLUE G – GREEN
15. ALL CONTROL CABINET ITEMS SHALL HAVE SUITABLE IDENTIFICATION. OPEN CIRCUIT BREAKERS, CONTACTORS AND OTHER OPEN DEVICES SHALL HAVE PERMANENT SELF STICKING TAGS. DEVICES IN ENCLOSURES SHALL HAVE ENGRAVED 2-COLOR LAMINATED PLASTIC NAMEPLATES ATTACHED TO ENCLOSURES WITH SCREWS. NAMEPLATES SHALL BE ENGRAVED TO CORRESPOND TO DESIGNATIONS ON THE DRAWINGS, AS INDICATED OR AS DIRECTED BY THE ENGINEER, BY MEANS OF BRADY MARKERS. ALL CONTROL WIRING SHALL BE STRANDED AND LABELED AT EACH END (NUMBER TO MATCH PROVIDED CONTROLLER SCHEMATIC DIAGRAM).
16. A LAMINATED AS-BUILT COPY OF THE CIRCUIT WIRING DIAGRAM SHALL BE ATTACHED TO THE INSIDE OF THE CONTROLLER.
17. SEALING GROMMETS SHALL BE PROVIDED FOR ALL OPEN WIRING EXTENDED FROM DEVICES IN BOXES OR CABINETS WITHIN THE CONTROL.
18. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.
19. METER FITTING LOCATION SHALL BE CONFIRMED PRIOR TO ORDERING.

(B) **PANEL NAME: CONTROLLER "WW"** — CONNECTED 6.0 KVA

TYPE: BOLT-ON — MAIN: 100A MCB
MOUNTING: SURFACE - INTERIOR ONLY — SOLID NEUTRAL — VOLTS: 240/120
FED FROM: UTILITY — GROUND BUS — PHASE: 1
AIC RATING: 22,000 — WIRE: 3

CKT NO.	LOAD DESCRIPTION	WIRE SIZE	LOAD KVA	BREAKER AMP	BREAKER P	LOAD KVA	WIRE SIZE	LOAD DESCRIPTION	CKT NO.
1	"A" POLE LIGHTING	*S	1.5	20	2	1.1	*S	"B" POLE LIGHTING	2
3	"A" POLE LIGHTING	–	–	–	–	–	–	"B" POLE LIGHTING	4
5	"C" POLE LIGHTING	*S	1.5	20	2	1.4	*S	"D" POLE LIGHTING	6
7	"C" POLE LIGHTING	–	–	–	–	–	–	"D" POLE LIGHTING	8
9	SPARE			20	2			SPARE	10
11	SPARE	–	–	–	–	–	–	SPARE	12
13	SPACE							SPACE	14
15	SPACE							SPACE	16
17	SPACE							SPACE	18
19	SPACE							SPACE	20
21	SPACE							SPACE	22
23	SPACE							SPACE	24
25	SPACE							SPACE	26
27	LGT. RECEPT. IN CABINET	12	0.3	20	1	0.1	10	SURGE ARRESTOR	28
29	LGT CONTROL	12	0.1	20	1	–	–	SURGE ARRESTOR	30

NOTES: *S = REFER TO WIRING DIAGRAM FOR WIRE SIZE.

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: LT Details 01
FILE NAME: G:\4600\4664.000 Lake Forest\4664.410 IL 43 at Westleigh\Microstation\Sheets\4664-410-int-LT-Details.dgn

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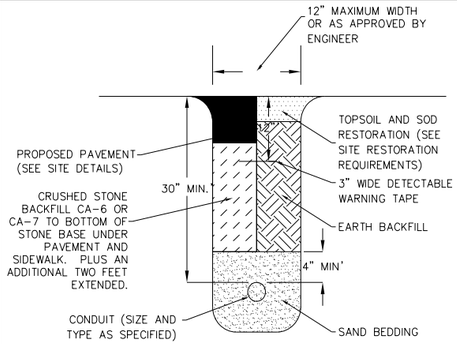
	DRAWN - ZCW	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - AJP	REVISED -	
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN DETAILS
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

SCALE: N.A. | SHEET OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	92
		CONTRACT NO. 61L42		
		ILLINOIS FED. AID PROJECT		

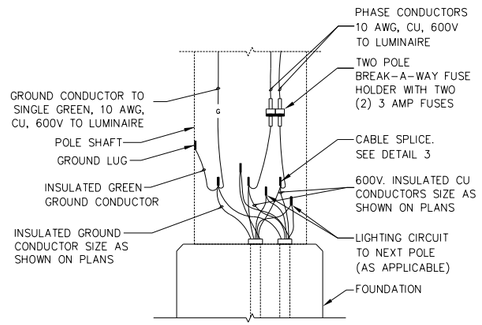


1 TYPICAL CONDUIT IN TRENCH DETAIL

NO SCALE

NOTES:

1. CONDUIT SHALL BE SURROUNDED BY 4" OF COMPACTED SAND.
2. BACKFILL SHALL BE PLACED AND COMPACTED IN 8" LIFTS
3. EARTH BACKFILL SHALL BE COMPACTED TO 95% OF THE DENSITY OF SURROUNDING UNDISTURBED SOIL.

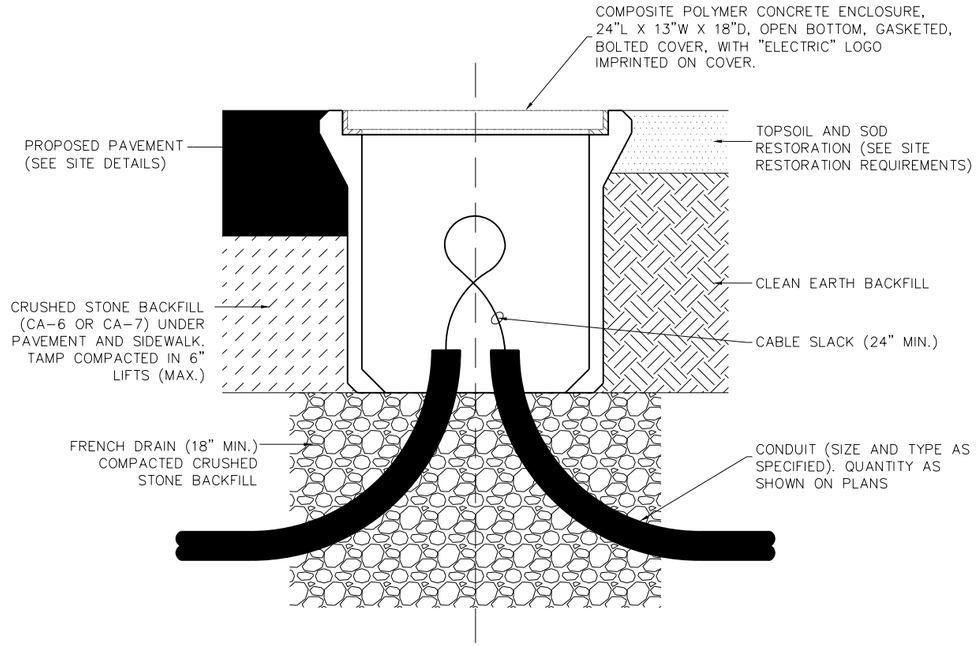


2 POLE BASE WIRING DIAGRAM

NO SCALE

NOTES:

1. ALL FUSE HOLDERS SHALL INCLUDE BOOTS
2. PEDESTRIAN LIGHT SHALL BE INSTALLED ON SAME CIRCUIT AS THE ROADWAY LIGHT WITH SEPERATE POLE CABLES AND POLE BASE FUSING.
3. CABLE COLORS AS SPECIFIED. (REFER TO WIRING DIAGRAM)

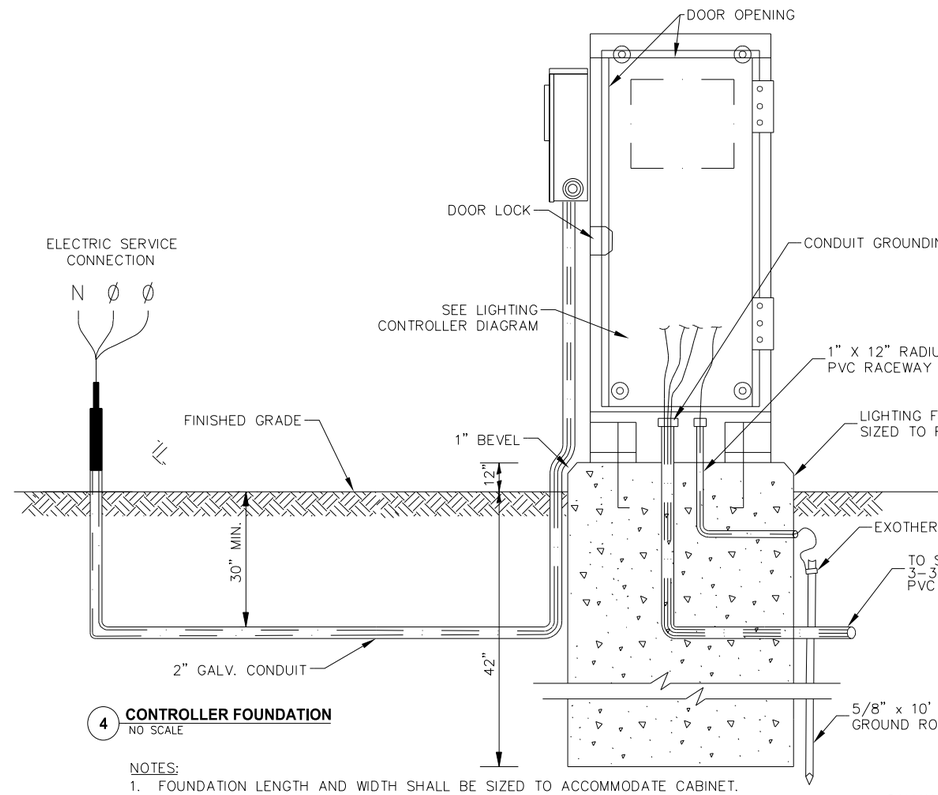


5 COMPOSITE HANDHOLE DETAIL

NO SCALE

NOTES:

1. HANDHOLE SHALL BE UL LISTED (OR EQUIVALENT)
2. EARTH BACKFILL SHALL BE COMPACTED TO 95% OF THE DENSITY OF SURROUNDING UNDISTURBED SOIL.
3. HANDHOLE SHALL BE RATED BASED ON APPLICATION AND LOCATION:
   A. GRASS OR PARKWAY WITH NO VEHICULAR TRAFFIC – TIER 5
   B. SIDEWALK WITH NO VEHICULAR TRAFFIC – TIER 8
   C. DRIVEWAY OR PARKING LOT WITH OCCASIONAL VEHICULAR TRAFFIC – TIER 22
   D. DELIBERATE VEHICULAR TRAFFIC – AASHTO H-20

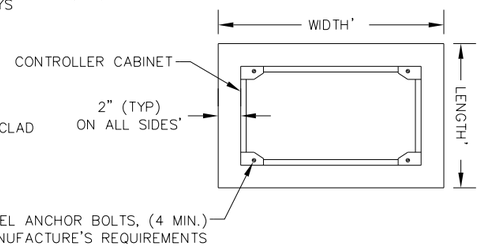


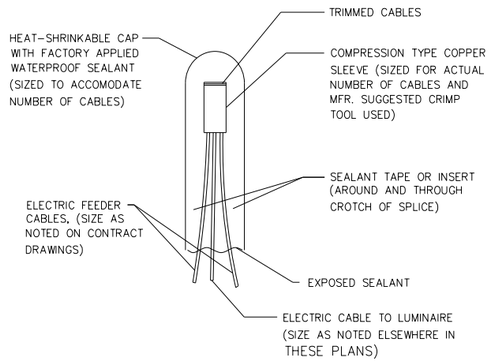
4 CONTROLLER FOUNDATION

NO SCALE

NOTES:

1. FOUNDATION LENGTH AND WIDTH SHALL BE SIZED TO ACCOMMODATE CABINET.
2. REFER TO PLAN SHEETS FOR METER ORIENTATION.
3. CONTRACTOR SHALL PROVIDE A 4" THICK, 48" X 48" PCC WORK PAD EXCEPT WHERE THE CABINET IS ADJACENT TO SIDEWALK.





3 SPLICING ELECTRIC CABLES BASIC MATERIALS AND METHODS

NO SCALE

NOTES:

1. THE NUMBER OF CABLES IN SPLICE MAY VARY

GEWALT HAMILTON ASSOCIATES, INC.

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PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN DETAILS
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

SCALE: N.A. | SHEET OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	93
		CONTRACT NO. 61L42		
	ILLINOIS FED. AID PROJECT			

REV.	ALTERATION	DATE	BY
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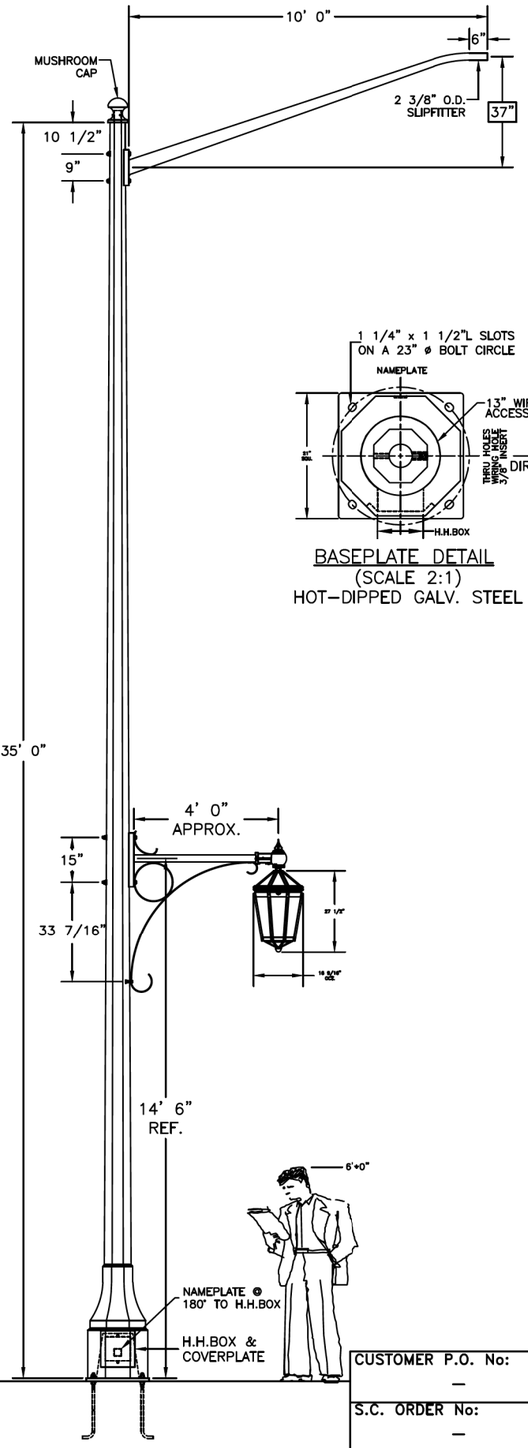


BASEPLATE DETAIL
(SCALE 2:1)
HOT–DIPPED GALV. STEEL

ROADWAY ARM SPECIFICATIONS
CATALOGUE NO.: KA120–A–S–1–10
QUANTITY:
MATERIAL: ALUMINUM
MOUNTING TYPE: SIDE
OF ARMS: SINGLE
LENGTH: 10 FEET
PAINT COLOR: SMOOTH BLACK

PEDESTRIAN ARM SPECIFICATIONS
CATALOGUE NO.: KA22–A–S–1–4
QUANTITY:
MATERIAL: ALUMINUM
MOUNTING TYPE: SIDE
OF ARMS: SINGLE
LENGTH: 4 FEET
PAINT COLOR: SMOOTH BLACK

LUMINAIRE SPECIFICATIONS
CATALOGUE NO.: K56–C–P–P4AR–III–25(SSL) –120:277–40K–KPL20
QUANTITY:
LANTERN TYPE: CLEVELAND
STYLE: PENDANT
OPTICAL OPTIONS: P4 OPTIC (FLAT ARRAY)
LENS OPTIONS: ACRYLIC RIPPLED
IES LTG. CLASS.: TYPE III
WATTAGE: 25W
SOURCE: SOLID STATE
LINE VOLTAGE: 120:277V
CCT: 4000K
PAINT COLOR: SMOOTH BLACK
LEVELING DEVICE: KPL20

ACCESSORIES SPECIFICATIONS
CATALOGUE NO.: MUSHROOM CAP
QUANTITY:
MATERIAL: ALUMINUM
PAINT COLOR: SMOOTH BLACK

POLE SPECIFICATIONS:
CATALOG NO.: KCT2–35–G–E30–FBP C/W 140–25/40 S/F 120 & KA22–S
QUANTITY:
POLE CLASS: CLASS B
COLOR: SALT & PEPPER
FINISH: ETCHED
POLE TOP: 5 1/8" FL/FL
POLE BUTT: 20" FL/FL
POLE LENGTH: 35' 0"
APPROX. WGT.: 1,900 lbs.
MIN RACEWAY: 1 1/8" ø
BOLT CIRCLE: 23" ø

BOLT PROJECTION: 3" HIGH

CUSTOMER APPROVAL & DATE: _____

NOTES:
StressCrete makes no claims that the reference embedment depth shown is suitable for supporting this structure. It is recommended that a competent professional evaluate the soils present on site, confirming required embedment depth, hole diameter and backfill material to be used.

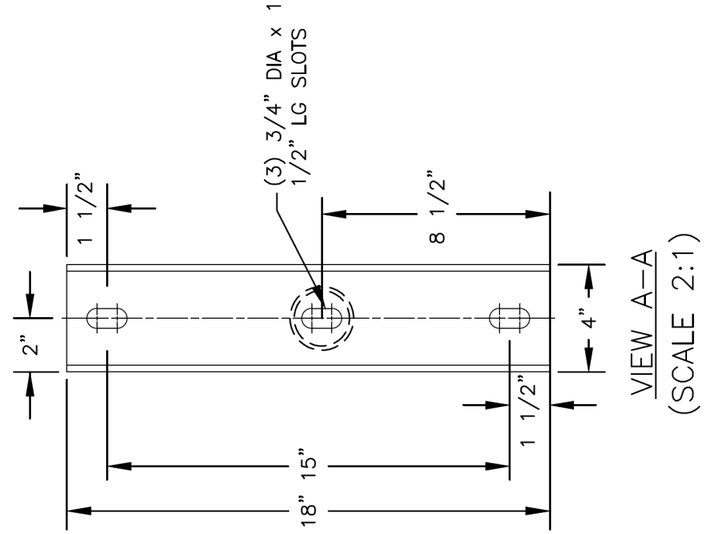
Contractor to install burndy ksu22 6–25 universal servit bolt connectors (or equivalent). connecting the #6 copper wire from the pole to the luminaire ground & a separate connector bonding pole to supply grounding conductor.

StressCrete® GROUP

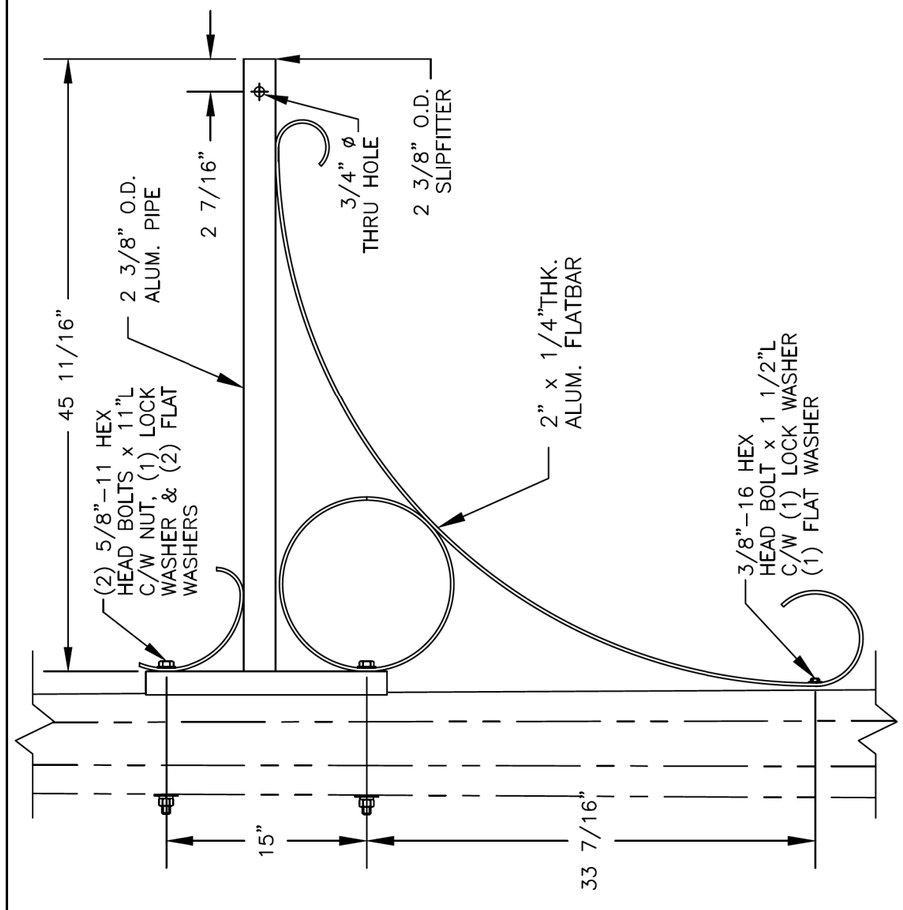
PROJECT/CUSTOMER:	CITY OF LAKE FOREST, IL WAUKEGAN AVE.			
DRAWN BY: A. ALVELA	AT: SC1	CHECKED BY:	DATE: 07/30/25	REVISION: A
DRAWING TYPE: CONCEPT DWG.			DRAWING NUMBER: Q–2507047–1	

CUSTOMER P.O. No: –
S.C. ORDER No: –

REV.	ALTERATION	DATE	BY



VIEW A–A
(SCALE 2:1)



CUSTOMER APPROVAL & DATE: _____

StressCrete® GROUP

PROJECT/CUSTOMER:	CITY OF LAKE FOREST, IL WAUKEGAN AVE.			
DRAWN BY: A. ALVELA	AT: SC1	CHECKED BY:	DATE: 09/24/25	REVISION:
DRAWING TYPE: CONCEPT DWG.			DRAWING NUMBER: Q–2507047–3	

CUSTOMER P.O. No: –
S.C. ORDER No: –

GEWALT HAMILTON ASSOCIATES, INC.

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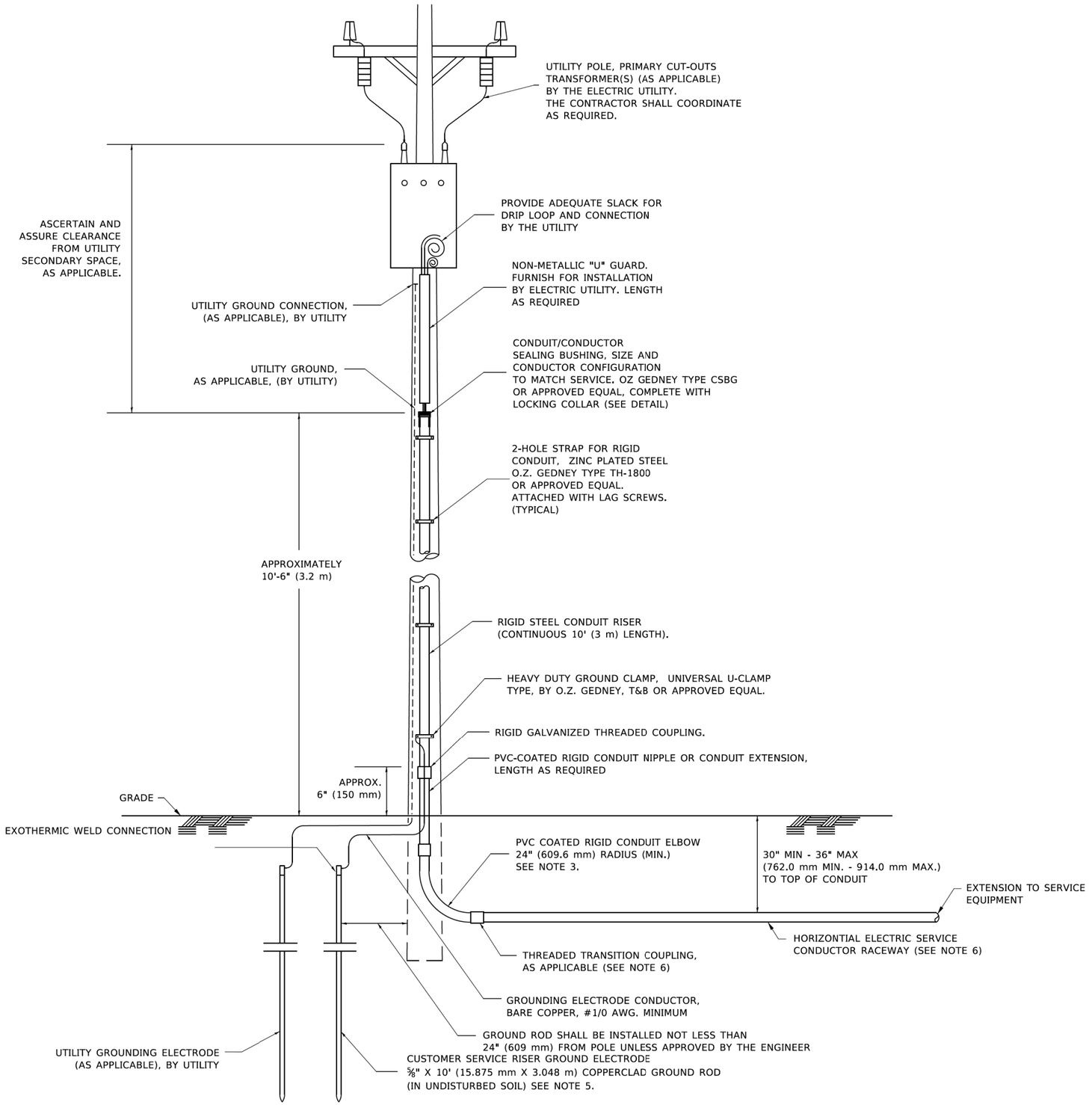
	DRAWN - ZCW	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - AJP	REVISED -
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN DETAILS
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD
SCALE: N.A. | SHEET OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	94
		CONTRACT NO. 61L42		
	ILLINOIS	FED. AID PROJECT		

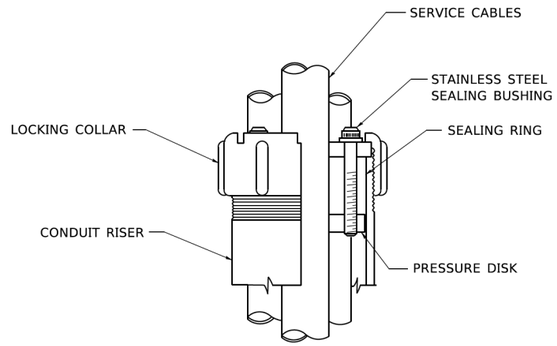


APPLICATION

THIS DETAIL APPLIES FOR LOW VOLTAGE ELECTRIC SERVICE (660 V OR LESS) FROM AN OVERHEAD UTILITY SUPPLY TO SEPERATLY-MOUNTED SERVICE EQUIPMENT.

NOTES

1. SERVICE VOLTAGE SHALL BE AS INDICATED ELSEWHERE IN THE DRAWINGS.
2. UNLESS OTHERWISE INDICATED, ITEMS AND WORK SHALL BE INCLUDED AND PAID AS PART OF THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.
3. CONDUIT AND CONNECTOR DIAMETER SHALL MATCH THE DIAMETER OF THE SERVICE CONDUCTOR RACEWAY AS INDICATED ON THE PLANS.
4. PVC COATED RACEWAYS AND ACCESSORIES SHALL BE CAREFULLY INSTALLED WITH MFR RECOMMENDED TOOLS AND PROCEDURES TO AVOID DAMAGE. ANY DAMAGE SHALL BE REPAIRED WITH COMPATIBLE PVC TOUCH-UP MATERIAL TO THE SATISFACTION OF THE ENGINEER OR THE DAMAGED MATERIAL SHALL BE REPLACED AT NO ADDITIONAL COST.
5. THE CONTRACTOR SHALL OBTAIN INSPECTION AND APPROVAL BY THE ENGINEER OF SERVICE RISER GROUND ELECTRODE, RISER ELBOW, NIPPLE AND CONNECTION TO SERVICE CONDUCTOR RACEWAY EXTENSION BEFORE BACKFILL AND SHALL ALSO OBTAIN INSPECTION OF SERVICE RISER AND SEALING BUSHING BEFORE UTILITY "U" GUARD INSTALLATION AND SERVICE CONNECTION.
6. THE HORIZONTAL ELECTRIC SERVICE CONDUCTOR RACEWAY SHALL BE AS INDICATED AND SHALL BE MEASURED SEPARATELY FOR PAYMENT. WHEN THE RACEWAY IS PVC-COATED RIGID GALVANIZED STEEL, THE COUPLING SHALL BE THE SAME. WHEN THE RACEWAY IS PVC CONDUIT (IN CONCRETE), THE COUPLING SHALL BE A METALIC TO NON METALIC ADAPTER. WHEN THE RACEWAY IS ENCASED IN CONCRETE, THE CONCRETE SHALL EXTEND TO COVER THE COUPLING.
7. PLANS AND DETAILS INDICATE THE GENERAL NATURE AND REQUIREMENTS. THEY DO NOT SHOW EVERY ACCESSORY AND ATTACHMENT, AND THEY DO NOT RELIEVE THE CONTRACTOR OF THE REQUIREMENTS OF THE SPECIFICATIONS AND SPECIAL PROVISIONS TO ASCERTAIN UTILITY REQUIREMENTS AND TO COORDINATE ACCORDINGLY, FURNISHING ALL ITEMS AND WORK NOT PROVIDED BY THE UTILITY, BUT NECESSARY FOR A COMPLETE SERVICE INSTALLATION IS REQUIRED AND SHALL BE INCLUDED IN THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.



SEALING BUSHING DETAIL

GEWALT HAMILTON ASSOCIATES, INC.

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	DRAWN -	REVISED -	
PLOT SCALE = 50.0000 ' / in.	CHECKED - MEA	REVISED -	
PLOT DATE = 4/19/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ELECTRIC SERVICE INSTALLATION
AERIAL, REMOTE DISCONNECT

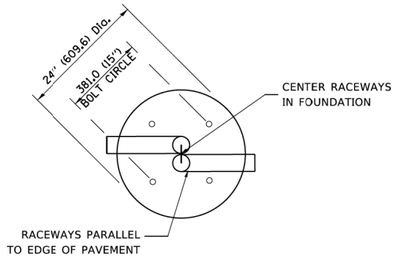
SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	95
	BE-220	CONTRACT NO. 61L42		
	ILLINOIS FED. AID PROJECT			

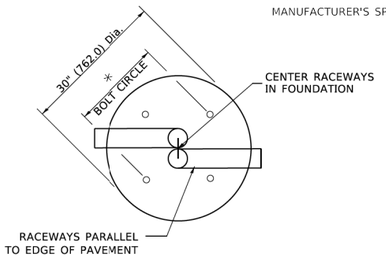
LIGHT POLE FOUNDATION DEPTH TABLE
40 FT. (12.192 m) TO 47.5 FT. (14.478 m) MOUNTING HEIGHT

SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY Qu = 0.375 TON/SQ. FT.	13'-0" (3.96 m)	15'-0" (4.57 m)
MEDIUM CLAY Qu = 0.75 TON/SQ.FT	9'-6" (2.09 m)	10'-9" (3.23 m)
STIFF CLAY Qu = 1.50 TON/SQ. FT.	7'-0" (2.13 m)	8'-0" (2.44 m)
LOOSE SAND ∅ = 34°	9'-0" (2.74 m)	10'-0" (3.05 m)
MEDIUM SAND ∅ = 37.5°	8'-3" (2.52 m)	9'-0" (2.74 m)
DENSE SAND ∅ = 40°	7'-9" (2.36 m)	9'-0" (2.74 m)

THE PROPOSED LIGHT POLE FOUNDATION DEPTH USED IN DESIGN IS 9'-0"



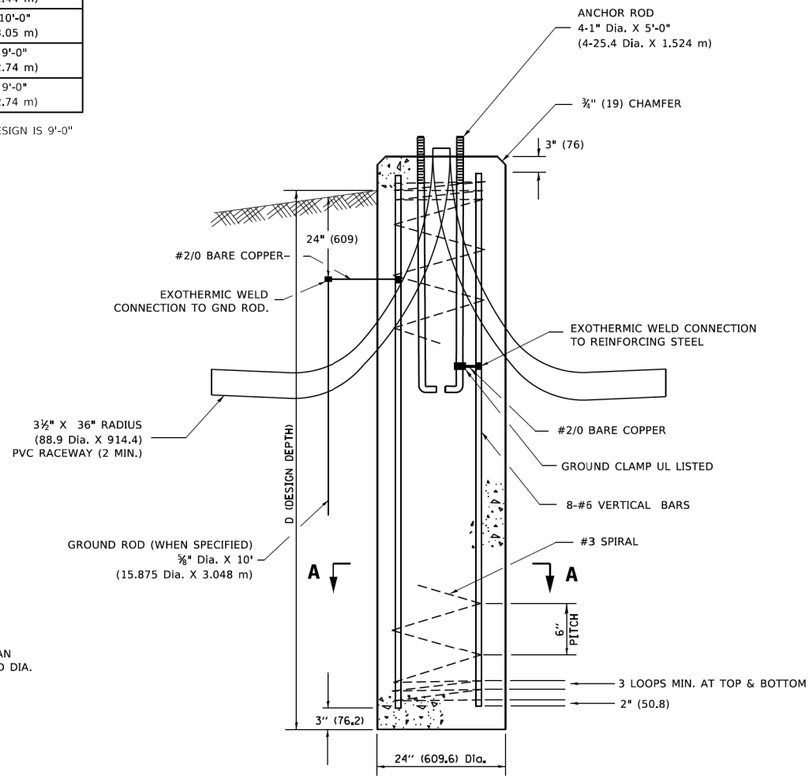
TOP VIEW



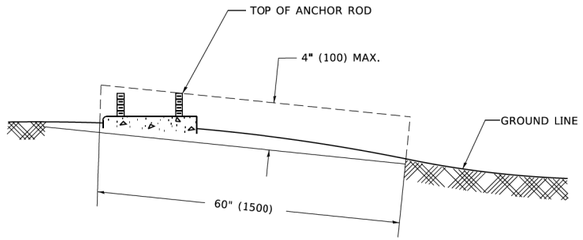
* BOLT CIRCLE SHALL BE SIZED PER THE MANUFACTURER'S SPECIFICATIONS

TOP VIEW

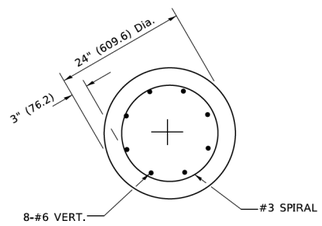
ANCHOR ROD DETAIL



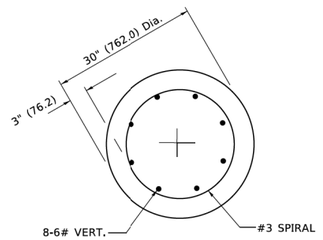
FOUNDATION DETAIL



FOUNDATION EXTENSION DETAIL



SECTION A–A



SECTION A–A

NOTES

1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IN PLACED.
3. THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 100MM (4 IN.) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED, IN ACCORDANCE WITH AASHTO GUIDELINES. IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
4. THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER, OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
5. THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED 3#4-IN. (20 mm).
6. THE CONCRETE SHALL BE CLASS SI. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
7. THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
8. THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
9. ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER THE HOT-DIPPED PROCESS CONFORMING WITH AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 UM(6 MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1135.
10. THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES (150 mm) WITH A MINIMUM OF 3 INCHES (75 mm) OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
11. ANCHOR RODS SHALL PROJECT 23#4" (69.9 mm) ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
12. THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" (152.4 mm) PITCH OR MAY SUBSTITUTE #3 TIES AT 12" (304.8 mm) O.C. WITH THE APPROVAL OF THE ENGINEER.
13. THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
14. THE RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.

GEWALT HAMILTON ASSOCIATES, INC.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHT POLE FOUNDATION

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	96
		CONTRACT NO. 61L42		
	ILLINOIS FED. AID PROJECT			

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FOUNDATION DESIGN TABLE

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

THE PROPOSED LIGHT POLE FOUNDATION DEPTH USED IN DESIGN IS 9'-0"

BILL OF MATERIAL

MARK	NO.	SIZE	LENGTH	SHAPE
a	10	6	SEE BELOW	—
s	12	4	8'-0" (2.438 m)	▭
s_1	3	3	7'-6" (2.286 m)	▭
v_1	8	6	2'-9" (0.838 m)	—
v_2				

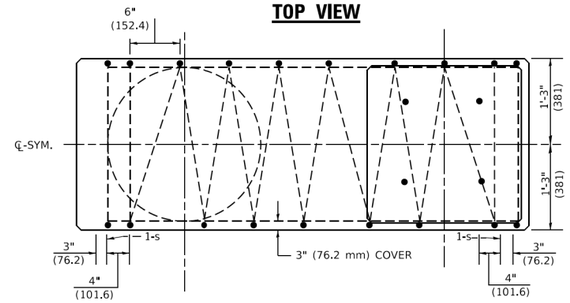
OFFSET SCHEDULE

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

NOTES

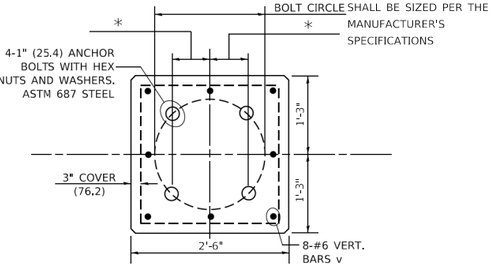
1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. THE ENGINEER SHALL DETERMINE THE CLASS OF SOIL DURING EXCAVATION AND SELECT THE DESIGN DEPTH OF FOUNDATION FROM THE DESIGN TABLE.
3. EXCAVATION OF THE POLE FOUNDATION SHALL BE MADE WITH AN AUGER, 24" (609.6 mm) OR 30" (762.0 mm) IN DIAMETER.
4. THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
5. THE ANCHOR BOLTS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED IN THE FORM.
6. THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
7. THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF FOUNDATION WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS. IF LIGHT POLE IS MOUNTED WITHOUT BREAKAWAY DEVICE, ANCHOR BOLTS SHALL PROJECT 23#4" (69.9 mm) ABOVE TOP OF THE FOUNDATION. THE CONTRACTOR SHALL CONFIRM ANCHOR BOLT EXTENTION WITH ENGINEER.
8. RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.
9. THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE LIGHT IS ERECTED.

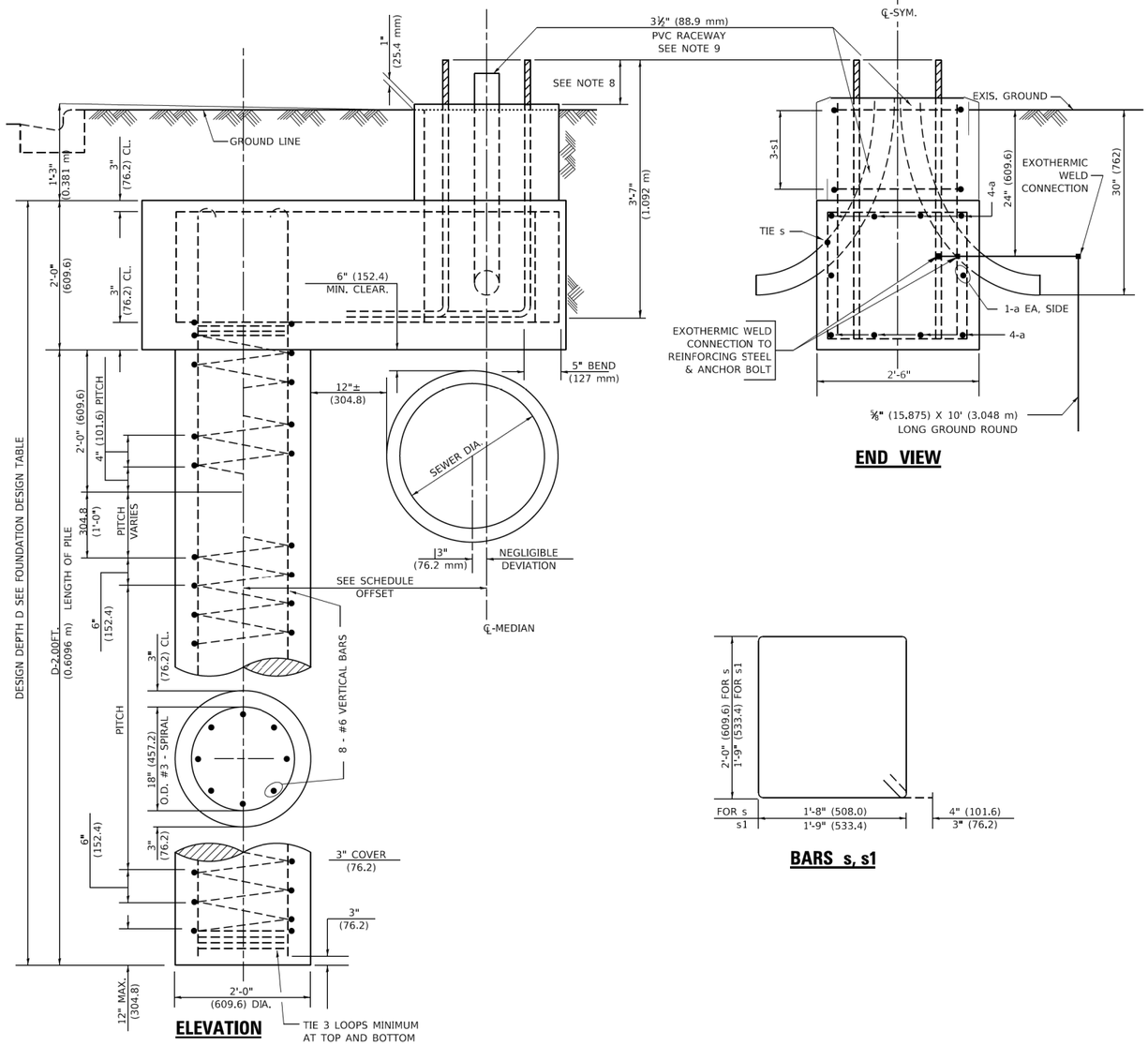
PLAN–CAP BEAM TOP VIEW



* SHALL BE SIZED PER THE MANUFACTURER'S SPECIFICATIONS

TOP VIEW





END VIEW

ELEVATION

BARS s, s1

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	DRAWN -	REVISED -	
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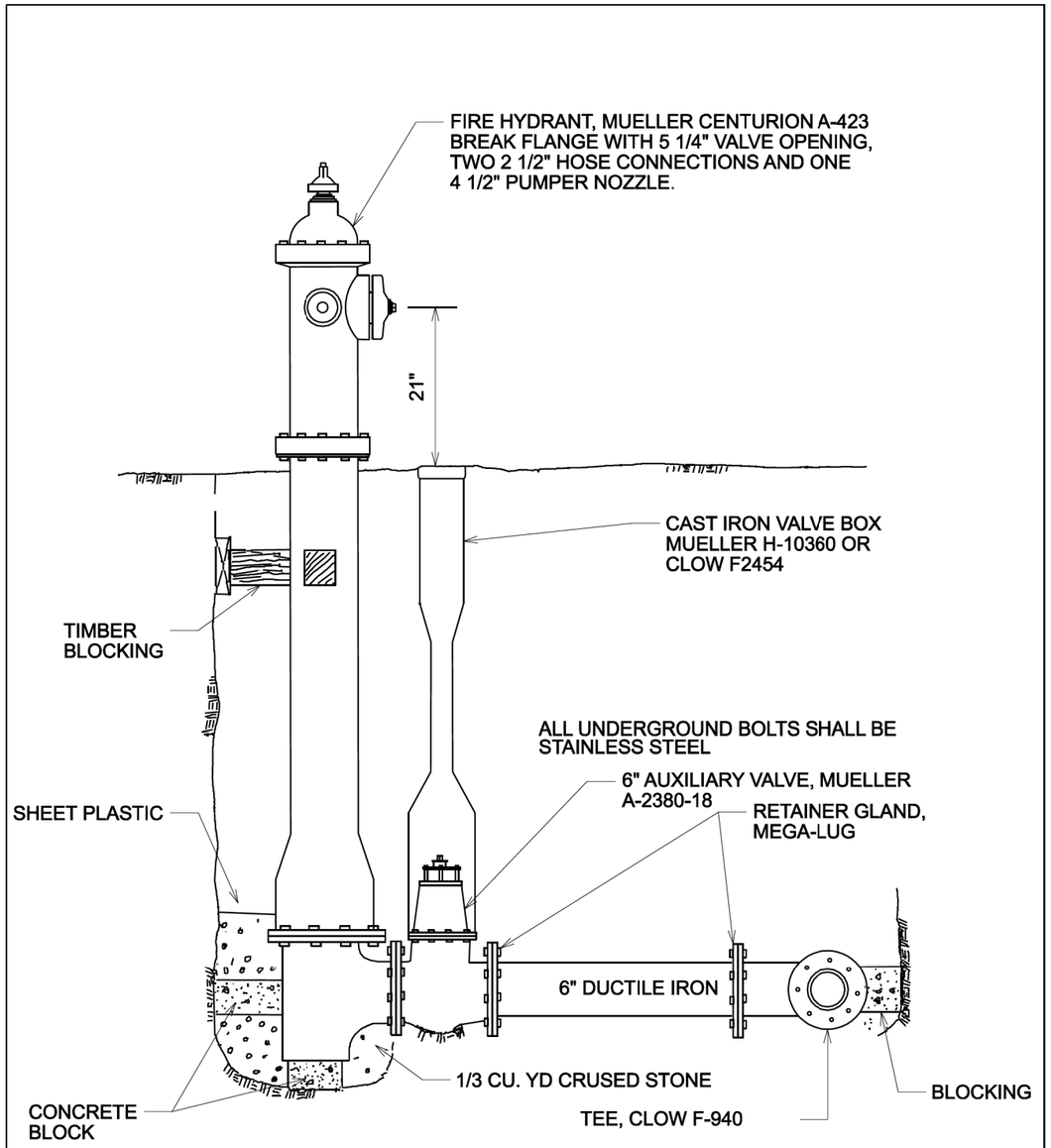
PLOT DATE = 4/19/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHT POLE FOUNDATION OFFSET

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	97
		CONTRACT NO. 61L42		
	ILLINOIS	FED. AID PROJECT		



FIRE HYDRANT

LAKE FOREST STANDARD 5.01
APPROVED BY : KMM
DATE : 1/1/2006
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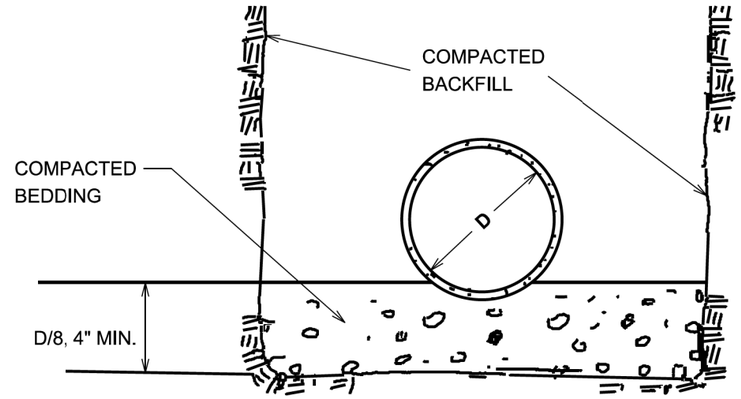

COMPACTED BEDDING SHALL BE CRUSHED GRANULAR MATERIAL MEETING GRADATION CA-6

1. **BEDDING AND GRANULAR TRENCH BACKFILL SHALL BE COMPACTED TO A MINUMUM OF 95% STANDARD DENSITY IN ACCORDANCE WITH A.S.T.M. D698**
2. **EXCAVATED TRENCH BACKFILL SHALL BE COMPACTED TO A MINIMUM OF 90% STANDARD DENSITY IN ACCORDANCE WITH A.S.T.M. D698**
3. **GRANULAR TRENCH BACKFILL SHALL BE INSTALLED UNDER AND WITHIN THREE (3) FEET OF PROPOSED PAVEMENTS AS SHOWN ON TYPICAL CROSS SECTION. GRANULAR TRENCH BACKFILL SHALL CONFORM TO CA-6 COMPACTED TO 95% STANDARD DENSITY IN ACCORDANCE WITH ASTM D698. BACKFILL UNDER EXISTING PAVEMENTS, WHERE AN OPEN CUT OF THE PAVEMENT HAS BEEN APPROVED, SHALL BE FLOWABLE FILL WHICH MEETS THE IDOT STANDARDS OF CONTROLLED LOW STRENGTH MATERIAL (CLSM) MIXTURE 1. INSTALL 12" OF COMPACTED GRANULAR TRENCH BACKFILL OVER WATER MAIN BEFORE PLACING THE FLOWABLE FILL**

WATER MAIN
BEDDING DETAIL

LAKE FOREST STANDARD 5.05
APPROVED BY : KMM
DATE : 1/1/2006
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GEWALT HAMILTON ASSOCIATES, INC.

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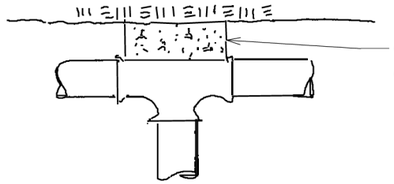
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CITY OF LAKE FOREST DETAILS
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD
SCALE: N.T.S. | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	98
		CONTRACT NO. 61L42		
	ILLINOIS	FED. AID PROJECT		



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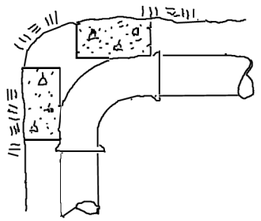
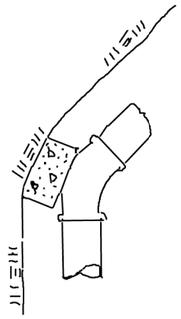
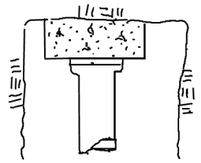


1/4 BEND



1/8 BEND



CAP OR PLUG

NOTE:

HARDWOOD WEDGES
MAY BE USED BETWEEN
CONCRETE BLOCKS AND FITTINGS

WATER MAIN THRUST BLOCKING DETAIL

LAKE FOREST STANDARD 5.08
APPROVED BY : KMM
DATE : 1/1/2006
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GEWALT HAMILTON ASSOCIATES, INC.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CITY OF LAKE FOREST DETAILS
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD
SCALE: N.T.S. | SHEET 2 OF 2 SHEETS | STA. | TO STA.

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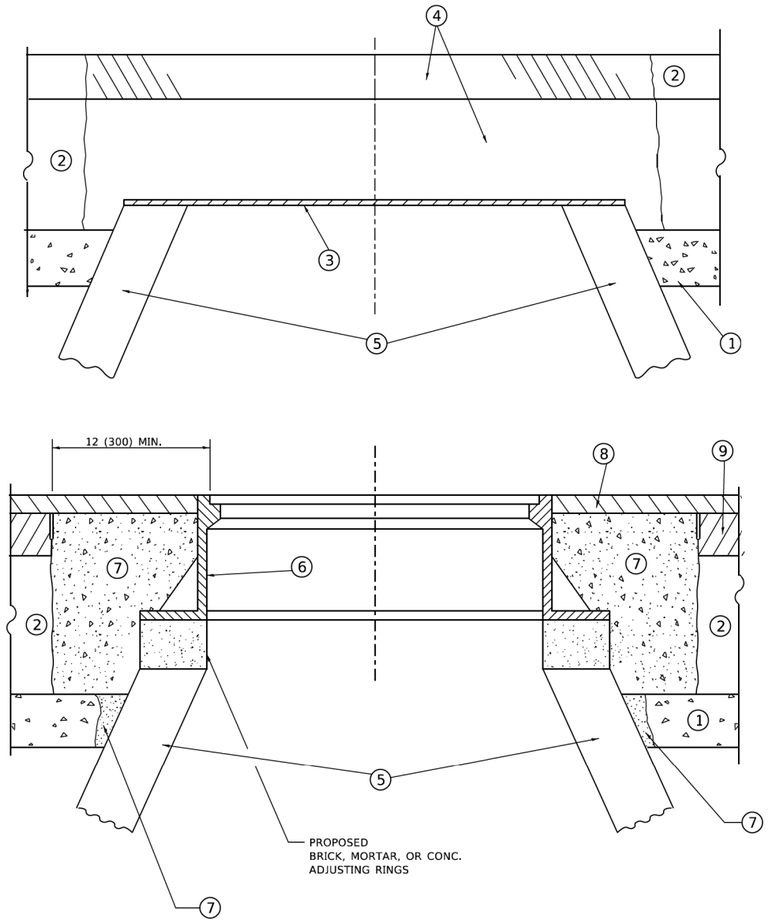
	ILLINOIS FED. AID PROJECT			



DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

NOTES

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

CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.

B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.

C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.

D) BACKFILL WITH CRUSHED STONE AND HMA SURFACE MIX APPROVED BY THE ENGINEER. (MIN. 3 (80) HMA TO REMAIN AFTER MILLING).

STAGE 2 (AFTER PAVEMENT MILLING)

A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.

B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.

C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-2* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

*UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

LEGEND

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

LOCATION OF STRUCTURES

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

BASIS OF PAYMENT

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

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS FOR
FRAMES AND LIDS ADJUSTMENT WITH MILLING

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

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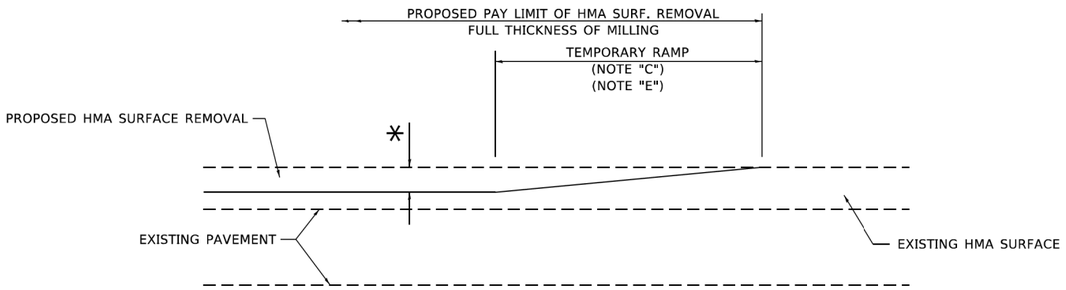
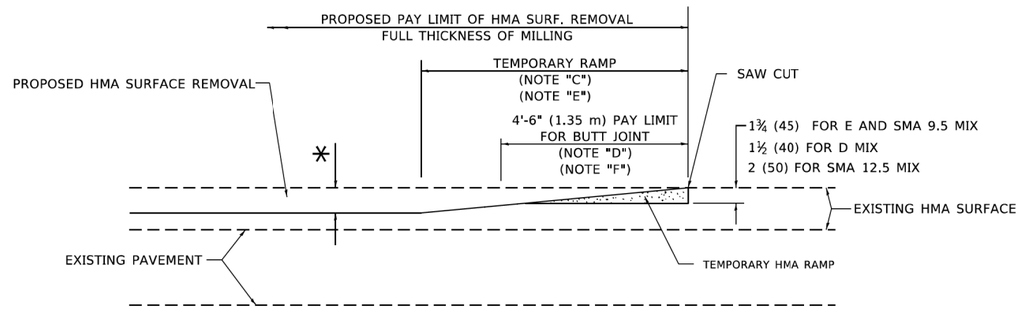
	ILLINOIS FED. AID PROJECT			



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

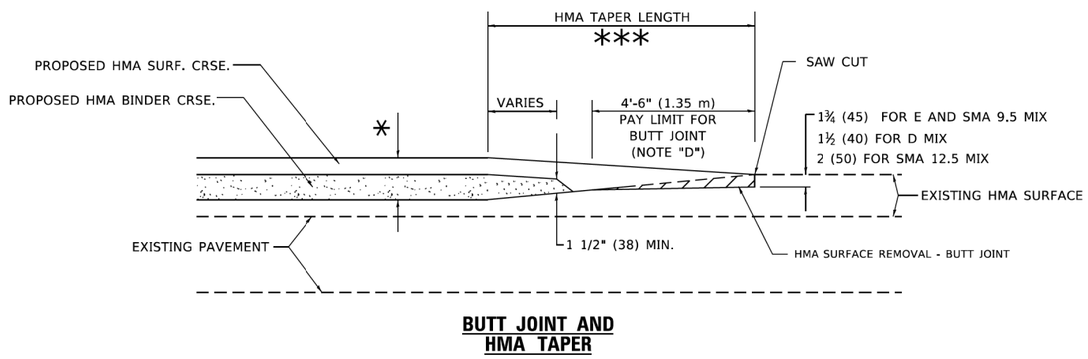


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

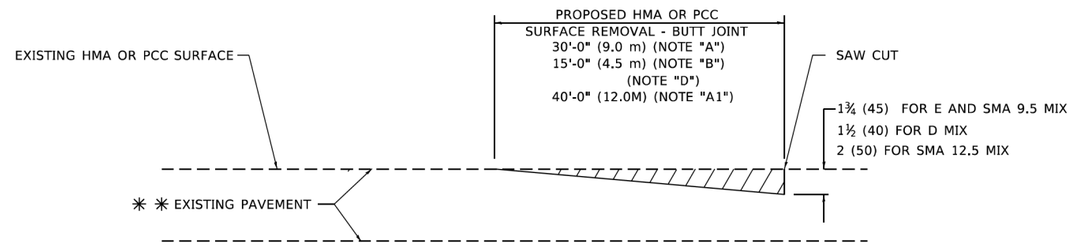
OPTION 2

TYPICAL TEMPORARY RAMP

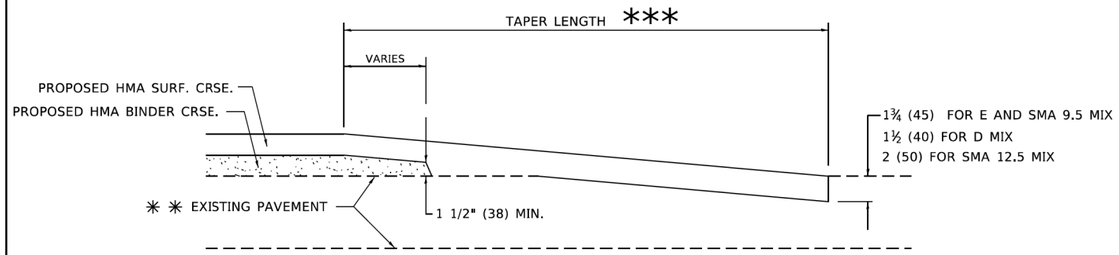


BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

GENERAL NOTES

A. MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.

A1. INTERSTATES

B. MINOR SIDE ROADS.

C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.

D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.

E. TAPER THE TEMP. RAMP AT A RATE OF 3' - 4" (1.02m) PER 1 INCH (25 mm) OF MILLING THICKNESS.

* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.

F. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".

*** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT

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

2. THE TEMPORARY RAMP AND SAW CUT SHALL BE INCLUDED IN THE UNIT COST FOR HMA OR PCC SURFACE REMOVAL-BUTT JOINT.

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

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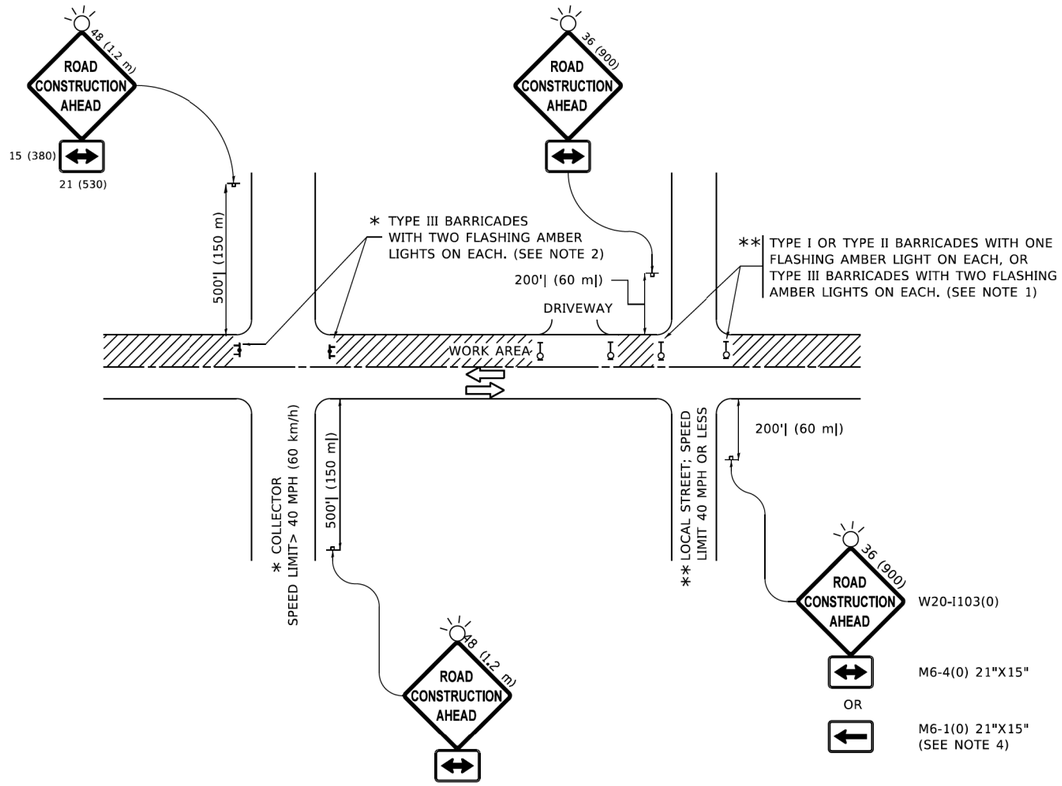
USER NAME = Lawrence.DeManche	DESIGNED - M. DE YONG	REVISED - A. ABBAS 03-21-97	
	DRAWN -	REVISED - M. GOMEZ 04-26-01	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - R. BORO 01-01-07	
PLOT DATE = 11/18/2022	DATE - 06-13-90	REVISED - K. SMITH 11-18-22	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND HMA TAPER DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	101
	BD400-05 BD-32	CONTRACT NO. 61L42		
	ILLINOIS FED. AID PROJECT			



NOTES:

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

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

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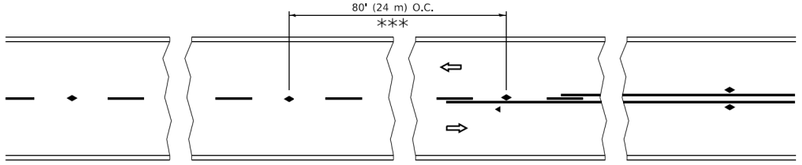
	DRAWN -	REVISED - A. SCHUETZE 07-01-13	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - A. SCHUETZE 09-15-16	
PLOT DATE = 5/3/2024	DATE - 06-89	REVISED - D. SENDERAK 05-03-24	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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

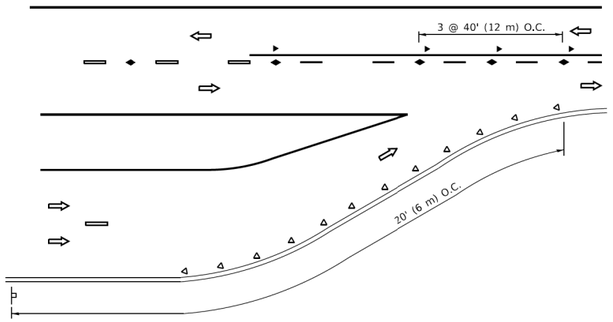
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	102
	TC-10	CONTRACT NO. 61L42		
	ILLINOIS FED. AID PROJECT			



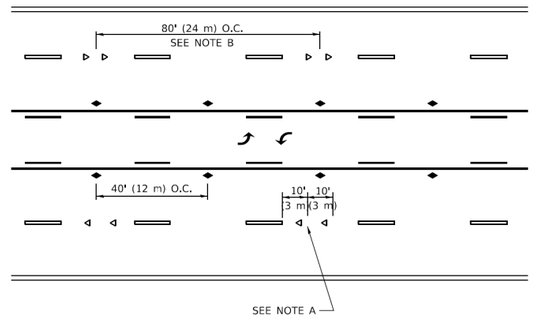
*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

TWO–LANE/TWO–WAY

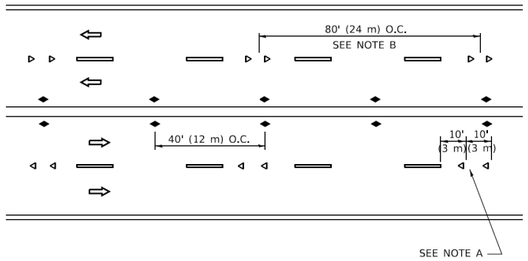
SEE FIGURE 3B-14 MUTCD



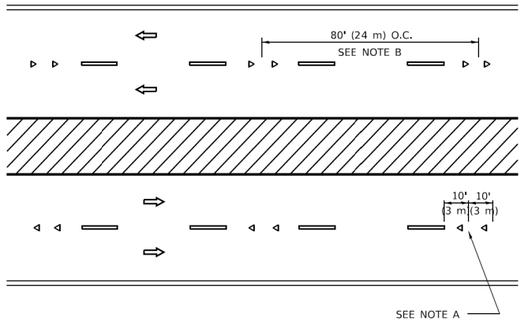
LANE REDUCTION TRANSITION



TWO–WAY LEFT TURN



MULTI–LANE/UNDIVIDED



MULTI–LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

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

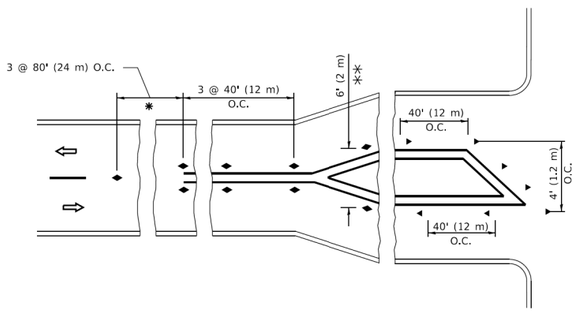
LANE MARKER NOTES

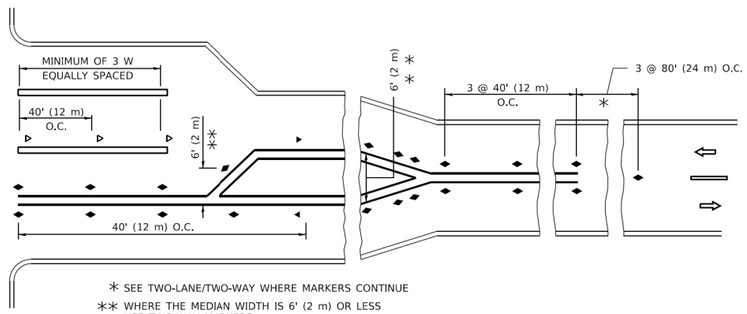
A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.

B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

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





* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE

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

TURN LANES

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

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PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - C. JUCIUS 09-09-09	
PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 07-01-13	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW–PLOW RESISTANT)

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	103
	TC-11	CONTRACT NO. 61L42		
	ILLINOIS FED. AID PROJECT			

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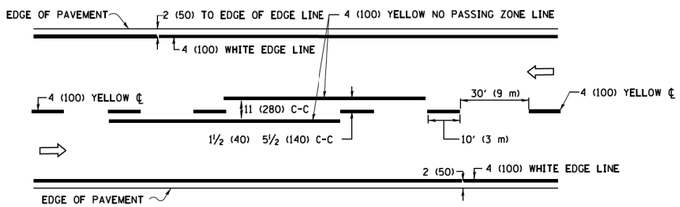
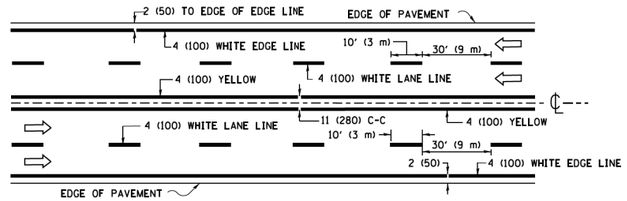
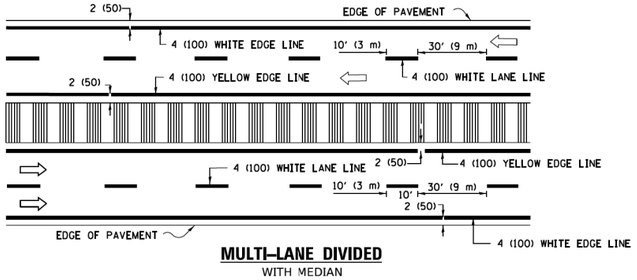


2–LANE ROADWAY

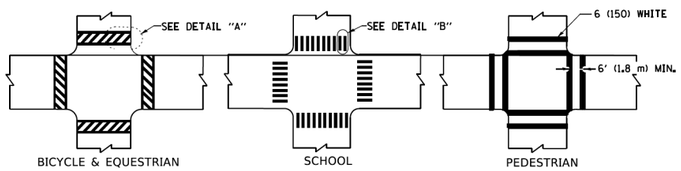


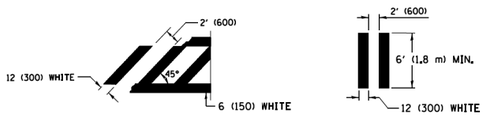
MULTI–LANE UNDIVIDED



MULTI–LANE DIVIDED
WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

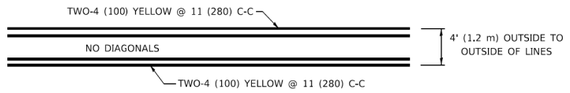




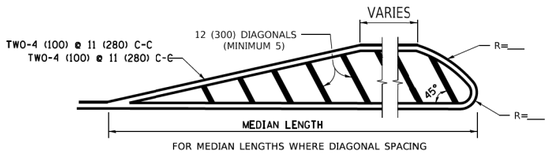
DETAIL "A" **DETAIL "B"**

TYPICAL CROSSWALK MARKING

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



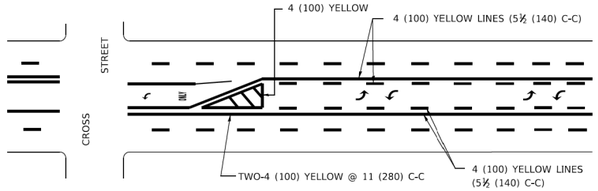
4' (1.2 m) WIDE MEDIANS ONLY



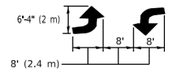
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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

MEDIANS OVER 4' (1.2 m) WIDE

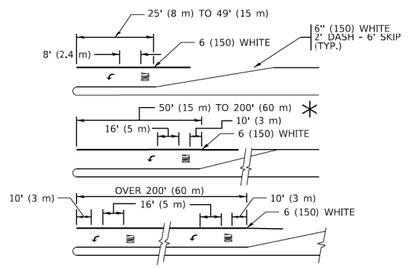


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO–WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

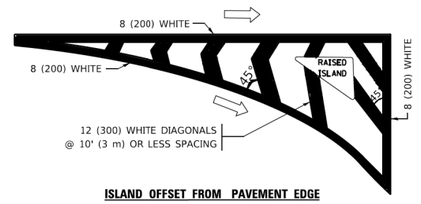


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) **ONLY** AREA = 20.8 SQ. FT. (1.9 m²)

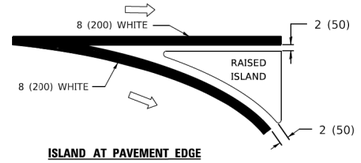
✱ TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

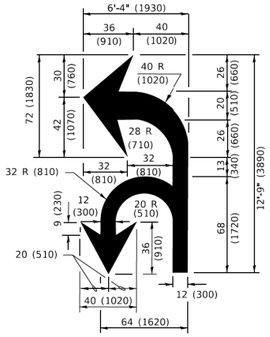


ISLAND OFFSET FROM PAVEMENT EDGE

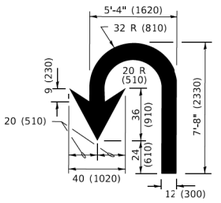


ISLAND AT PAVEMENT EDGE

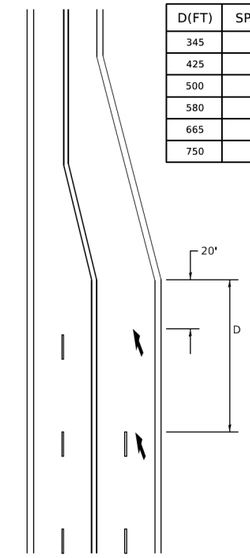
TYPICAL ISLAND MARKING



COMBINATION LEFT AND U–TURN



U–TURN



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

LANE REDUCTION TRANSITION

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

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

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

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

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	DRAWN -	REVISED - C. JUCIUS 07-01-13			SECTION 13-00095-00-CH
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - C. JUCIUS 12-21-15			COUNTY LAKE
PLOT DATE = 3/4/2019	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16		SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.	TOTAL SHEETS 119
					SHEET NO. 104
				TC–13	CONTRACT NO. 61L42
					ILLINOIS FED. AID PROJECT

tc13.dgn 3/4/2019 10:34:32 AM | user:footemj

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

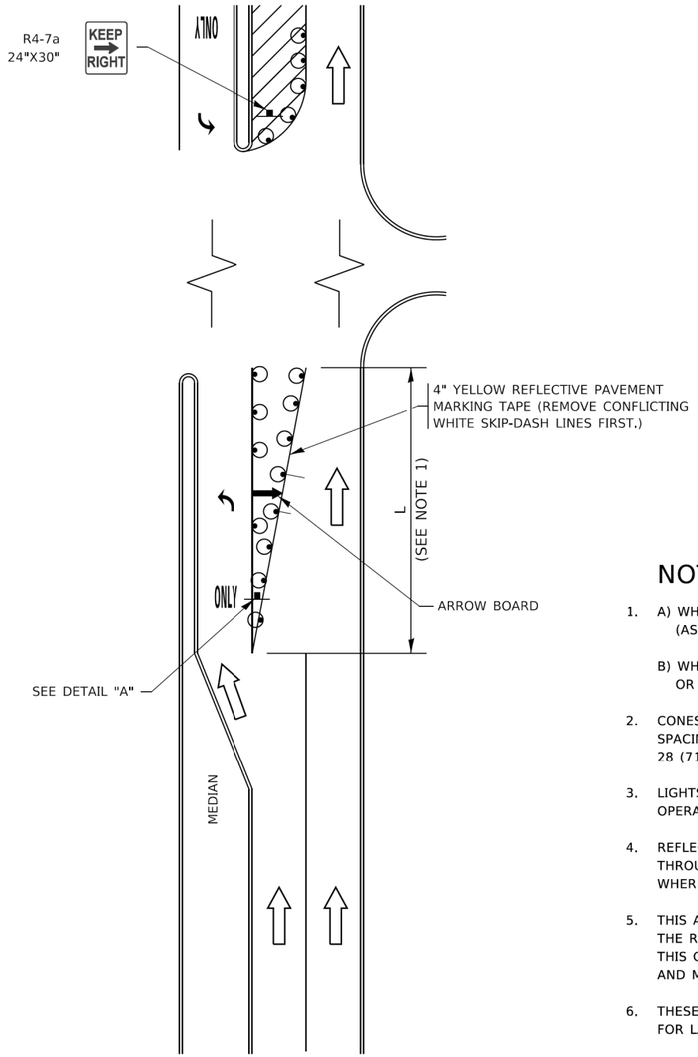


FIGURE 1

LEGEND

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

NOTES:

1. A) WHEN "L" IS ≤ THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.

   B) WHEN "L" IS > THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-I100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PREQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

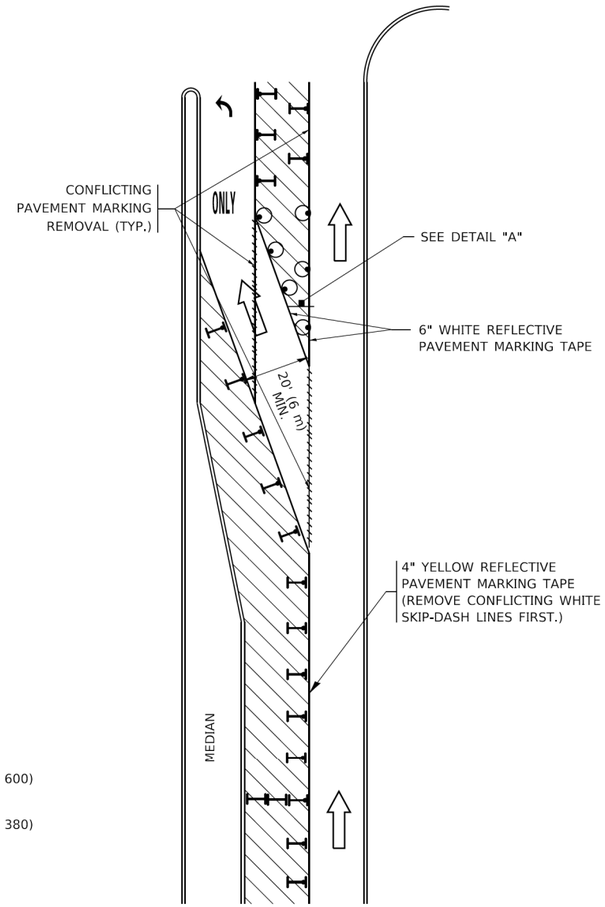
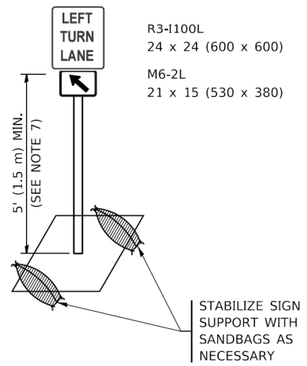


FIGURE 2



DETAIL A

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

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	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13	
PLOT SCALE = 50.0000 ' / in.	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16	
PLOT DATE = 3/4/2019	DATE - T. RAMMACHER 01-06-00	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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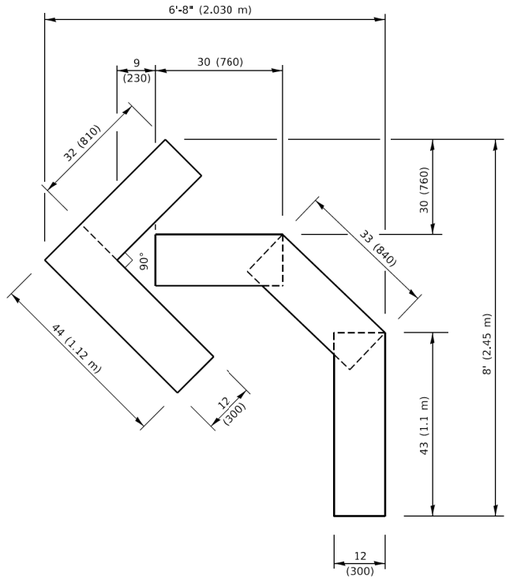
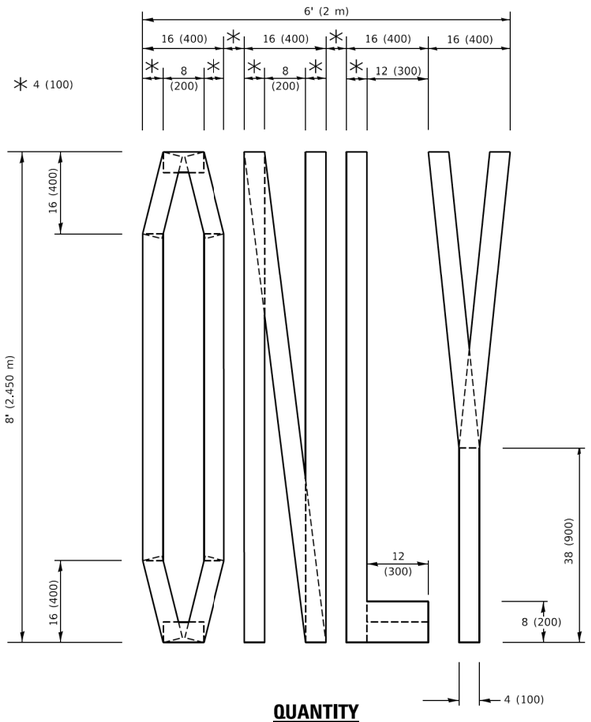
	TC-14	CONTRACT NO. 61L42		
	ILLINOIS FED. AID PROJECT			



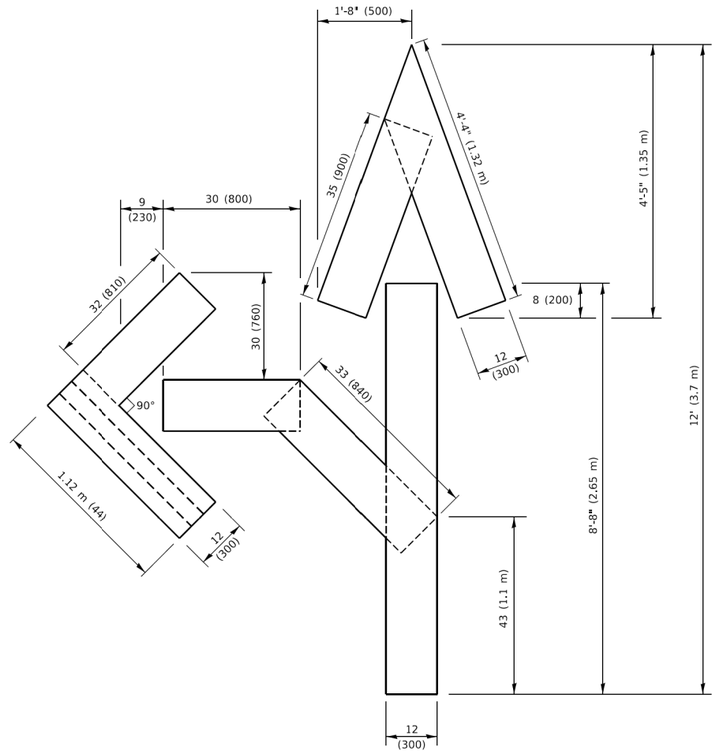
QUANTITY

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



QUANTITY

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

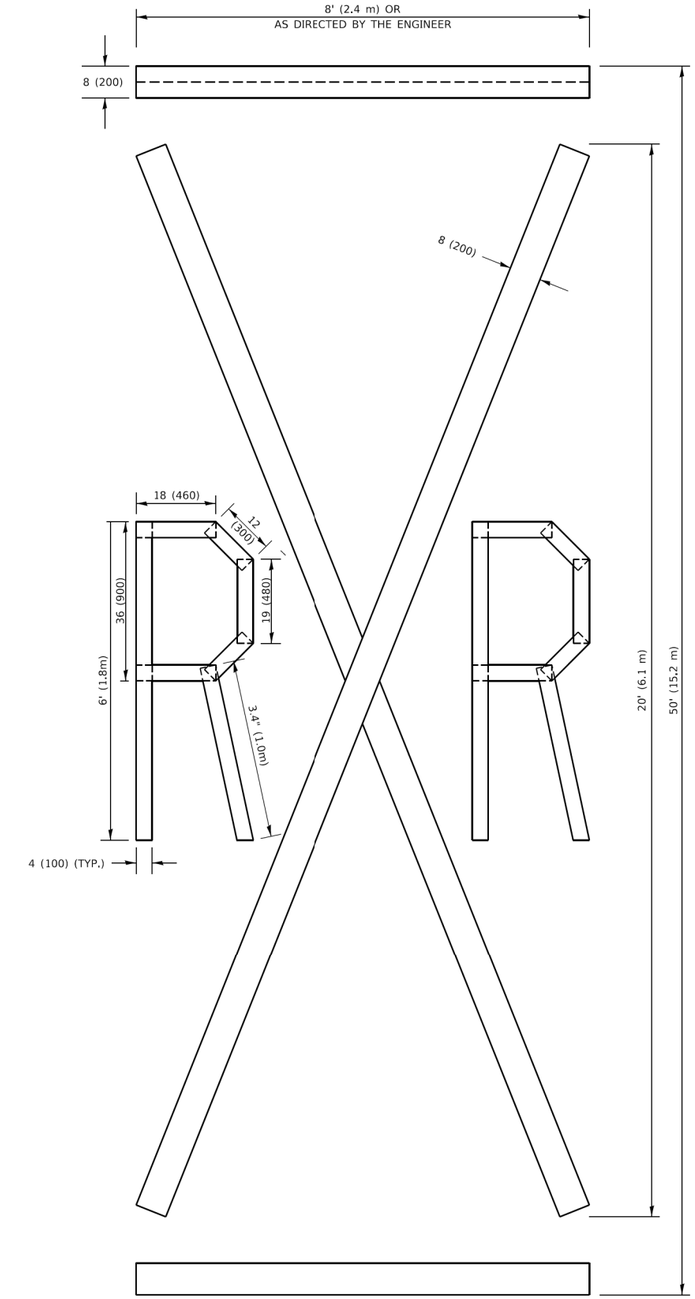


QUANTITY

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

NOTE:

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



QUANTITY

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

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

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	106
	TC-16	CONTRACT NO. 61L42		
	ILLINOIS FED. AID PROJECT			

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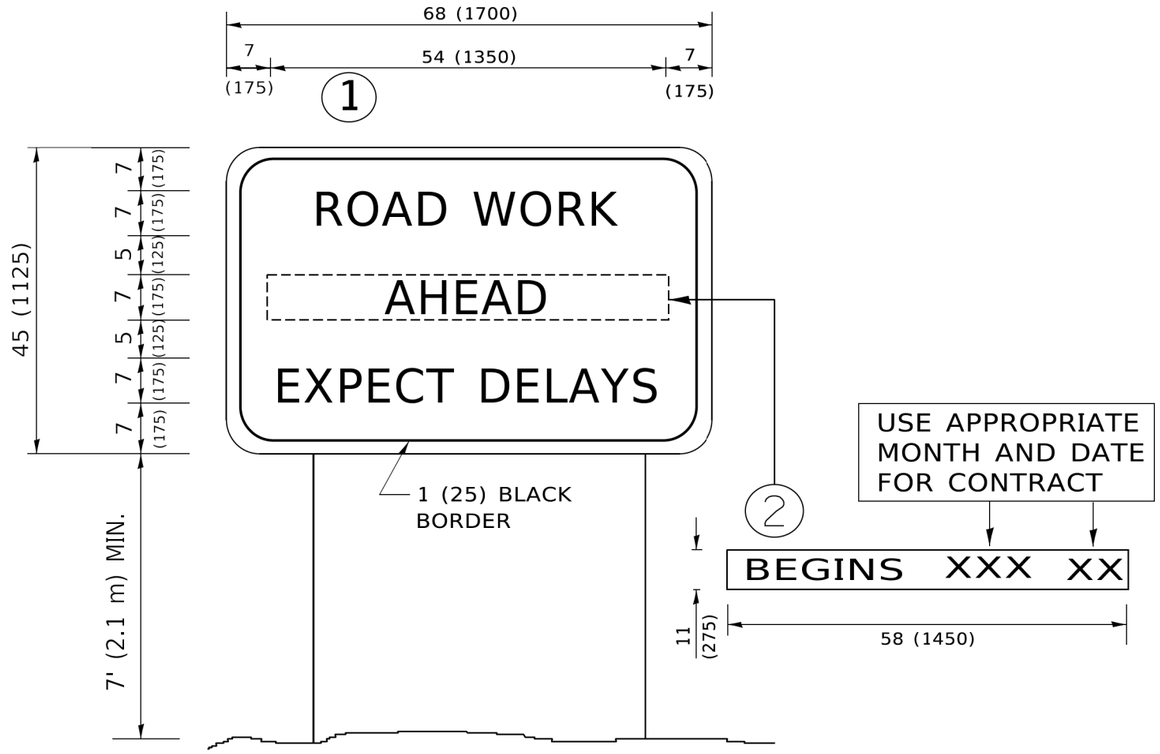

NOTES:

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

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

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD INFORMATION SIGN

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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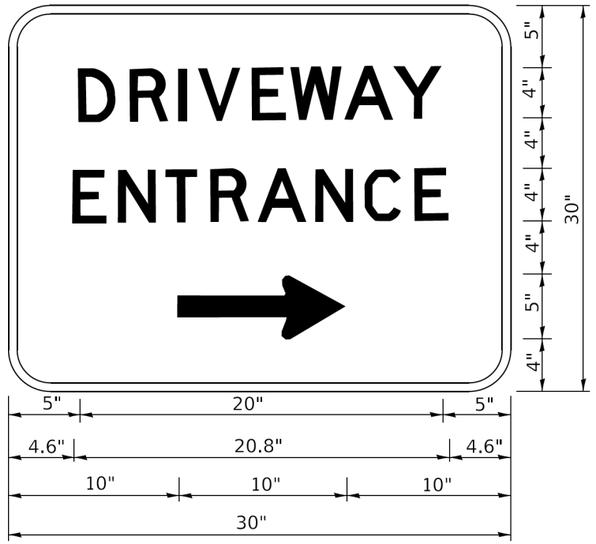
	TC-22	CONTRACT NO. 61L42		
	ILLINOIS FED. AID PROJECT			



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

NOTES:

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

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	DRAWN -	REVISED -	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/6/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY ENTRANCE SIGNING

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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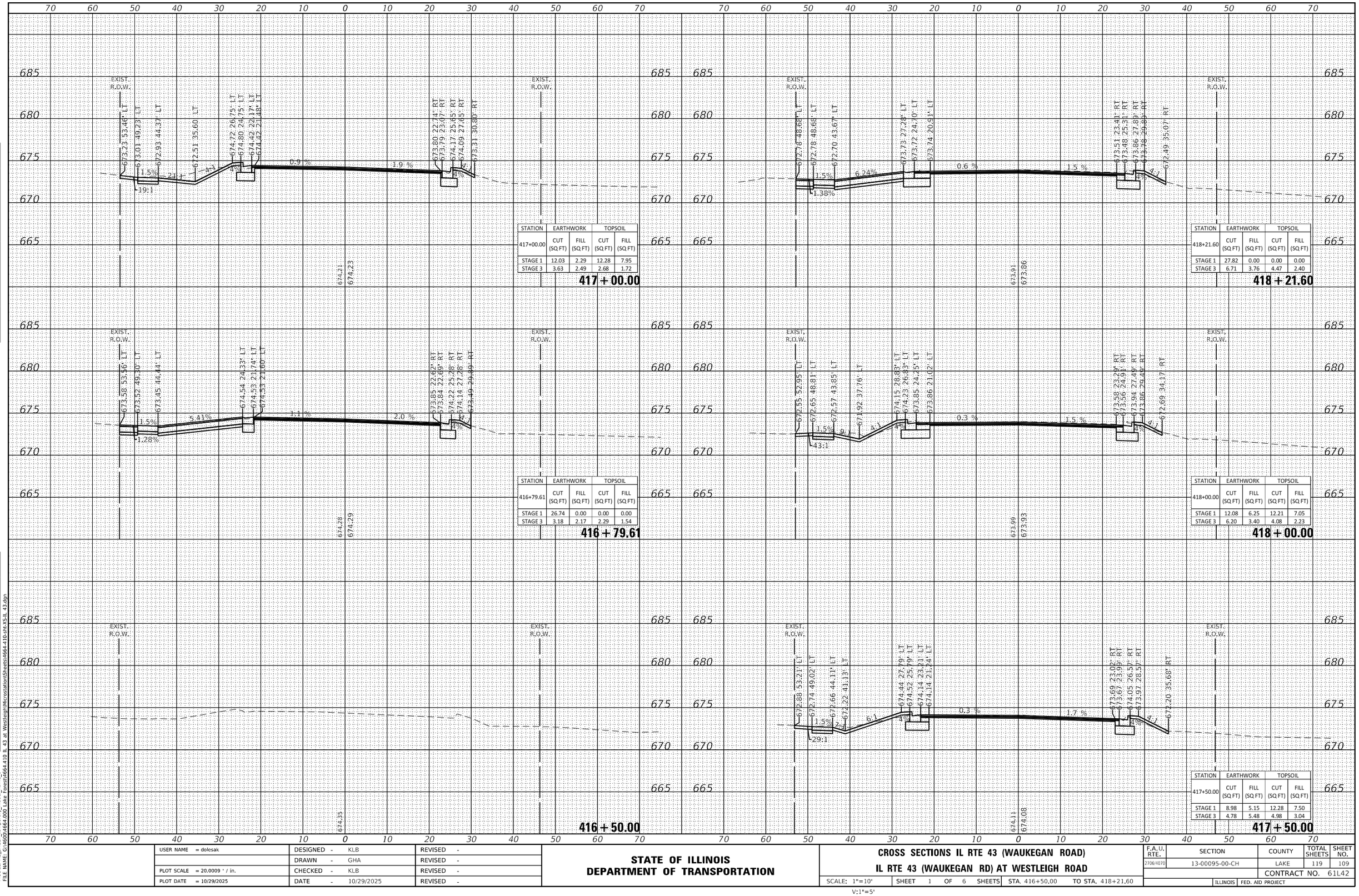
	TC-26	CONTRACT NO. 61L42		
	ILLINOIS	FED. AID PROJECT		



FINAL SURVEY

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

ORIGINAL SURVEY

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

GEWALT HAMILTON ASSOCIATES, INC.

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	DRAWN - GHA	REVISED -
PLOT SCALE = 20.0009 ' / in.	CHECKED - KLB	REVISED -
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS IL RTE 43 (WAUKEGAN ROAD)
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

SCALE: 1"=10' | SHEET 1 OF 6 SHEETS | STA. 416+50.00 | TO STA. 418+21.60

V:1"=5'

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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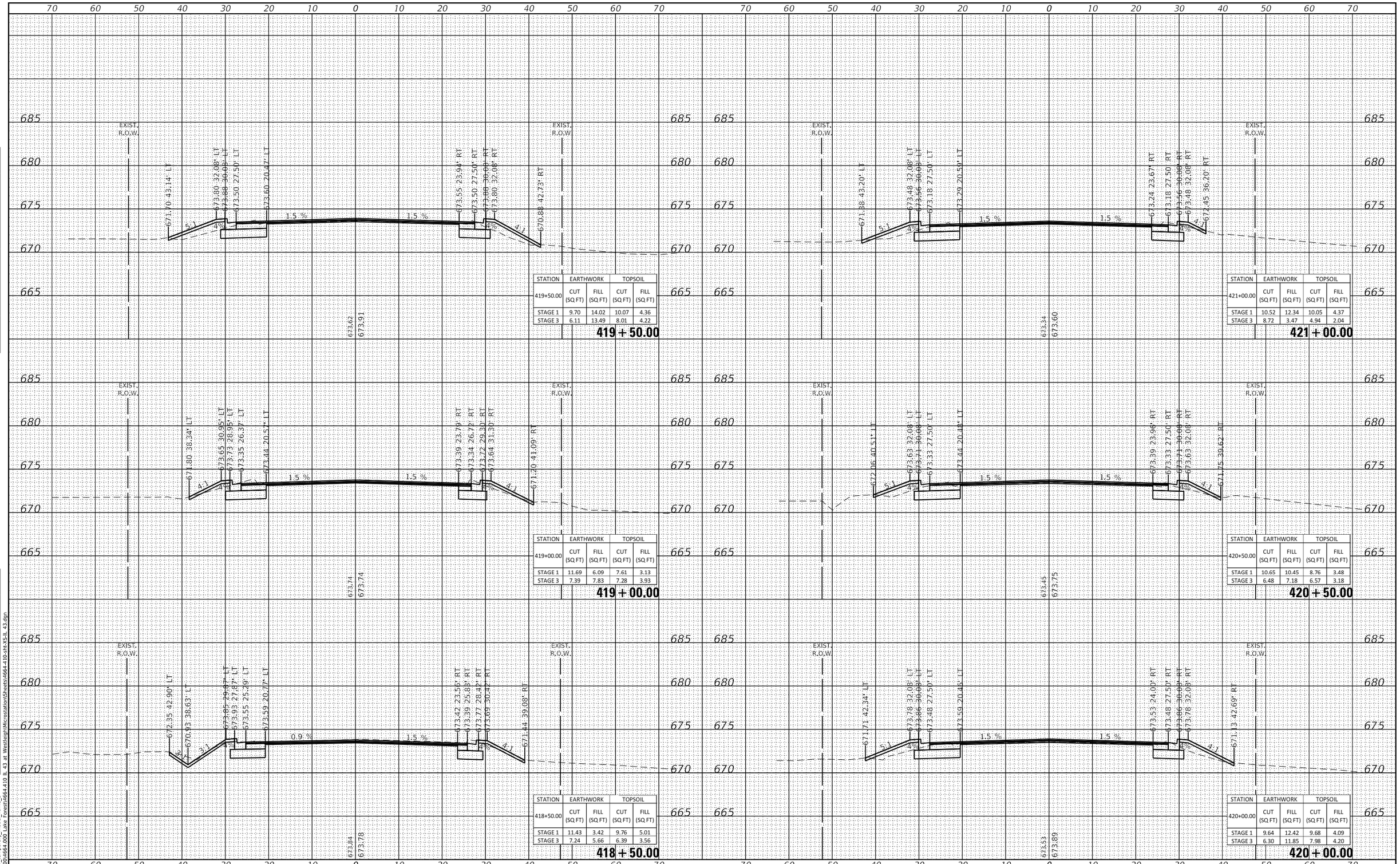
		CONTRACT NO. 61L42		
	ILLINOIS FED. AID PROJECT			



STATION	EARTHWORK		TOPSOIL	
419+50.00	CUT (SQ.FT)	FILL (SQ.FT)	CUT (SQ.FT)	FILL (SQ.FT)
STAGE 1	9.70	14.02	10.07	4.36
STAGE 3	6.11	13.49	8.01	4.22

STATION	EARTHWORK		TOPSOIL	
421+00.00	CUT (SQ.FT)	FILL (SQ.FT)	CUT (SQ.FT)	FILL (SQ.FT)
STAGE 1	10.52	12.34	10.05	4.37
STAGE 3	8.72	3.47	4.94	2.04

STATION	EARTHWORK		TOPSOIL	
419+00.00	CUT (SQ.FT)	FILL (SQ.FT)	CUT (SQ.FT)	FILL (SQ.FT)
STAGE 1	11.69	6.09	7.61	3.13
STAGE 3	7.39	7.83	7.28	3.93

STATION	EARTHWORK		TOPSOIL	
420+50.00	CUT (SQ.FT)	FILL (SQ.FT)	CUT (SQ.FT)	FILL (SQ.FT)
STAGE 1	10.65	10.45	8.76	3.48
STAGE 3	6.48	7.18	6.57	3.18

STATION	EARTHWORK		TOPSOIL	
418+50.00	CUT (SQ.FT)	FILL (SQ.FT)	CUT (SQ.FT)	FILL (SQ.FT)
STAGE 1	11.43	3.42	9.76	5.01
STAGE 3	7.24	5.66	6.39	3.56

STATION	EARTHWORK		TOPSOIL	
420+00.00	CUT (SQ.FT)	FILL (SQ.FT)	CUT (SQ.FT)	FILL (SQ.FT)
STAGE 1	9.64	12.42	9.68	4.09
STAGE 3	6.30	11.85	7.98	4.20

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

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

GEWALT HAMILTON ASSOCIATES, INC.

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	DRAWN - GHA	REVISED -	
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PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS IL RTE 43 (WAUKEGAN ROAD)
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

SCALE: 1"=10' | SHEET 2 OF 6 SHEETS | STA. 418+50.00 | TO STA. 421+00.00

V:1"=5'

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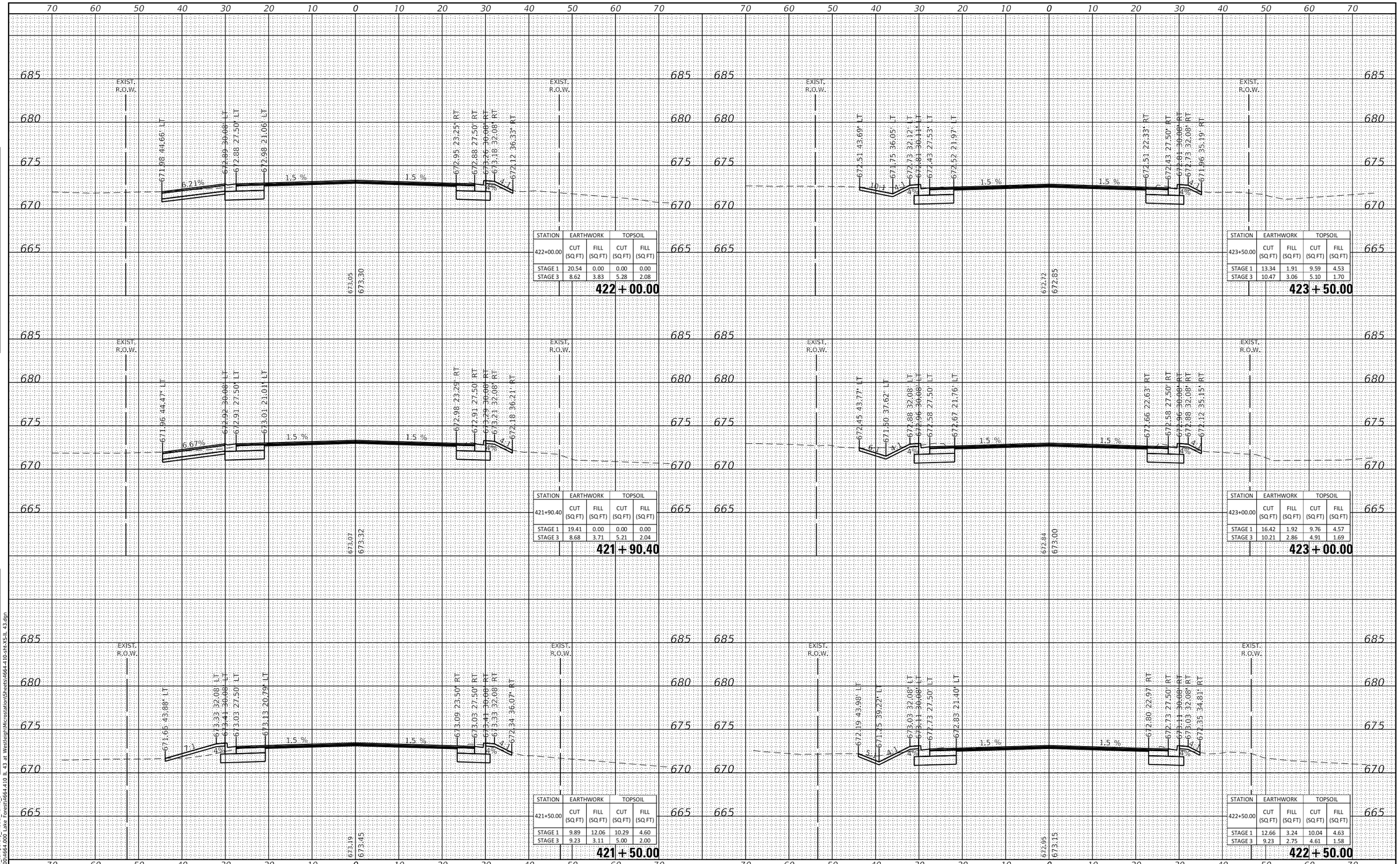
	ILLINOIS	FED. AID PROJECT		



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BY — DATE

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BY — DATE

GEWALT HAMILTON ASSOCIATES, INC.

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	DRAWN - GHA	REVISED -	
PLOT SCALE = 20.0009 ' / in.	CHECKED - KLB	REVISED -	
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS IL RTE 43 (WAUKEGAN ROAD)
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

SCALE: 1"=10' | SHEET 3 OF 6 SHEETS | STA. 421+50.00 | TO STA. 423+50.00
V:1"=5'

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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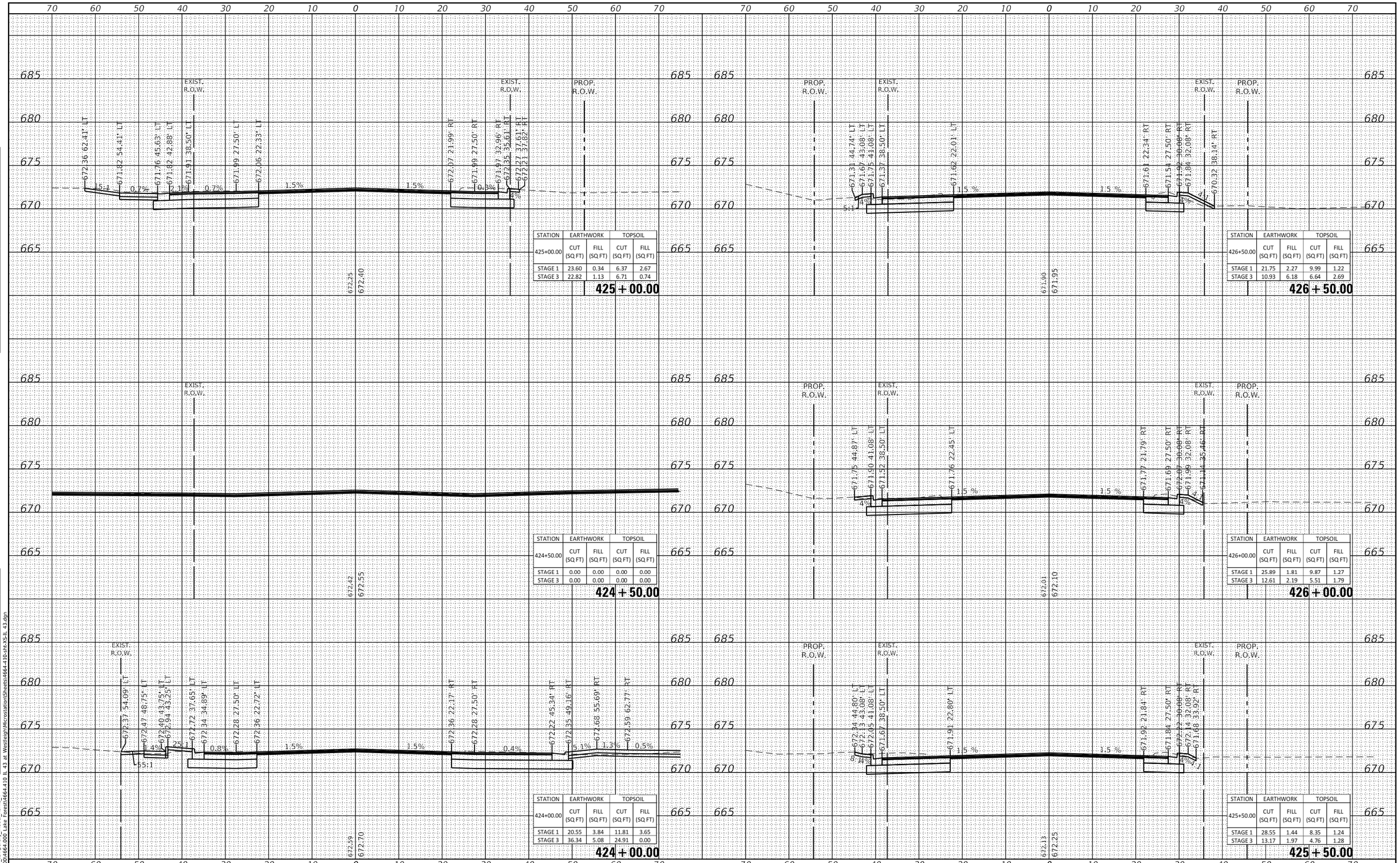
		CONTRACT NO. 61L42		
	ILLINOIS FED. AID PROJECT			



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

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PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS IL RTE 43 (WAUKEGAN ROAD)
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

SCALE: 1"=10' | SHEET 4 OF 6 SHEETS | STA. 424+00.00 | TO STA. 426+50.00
V:1"=5'

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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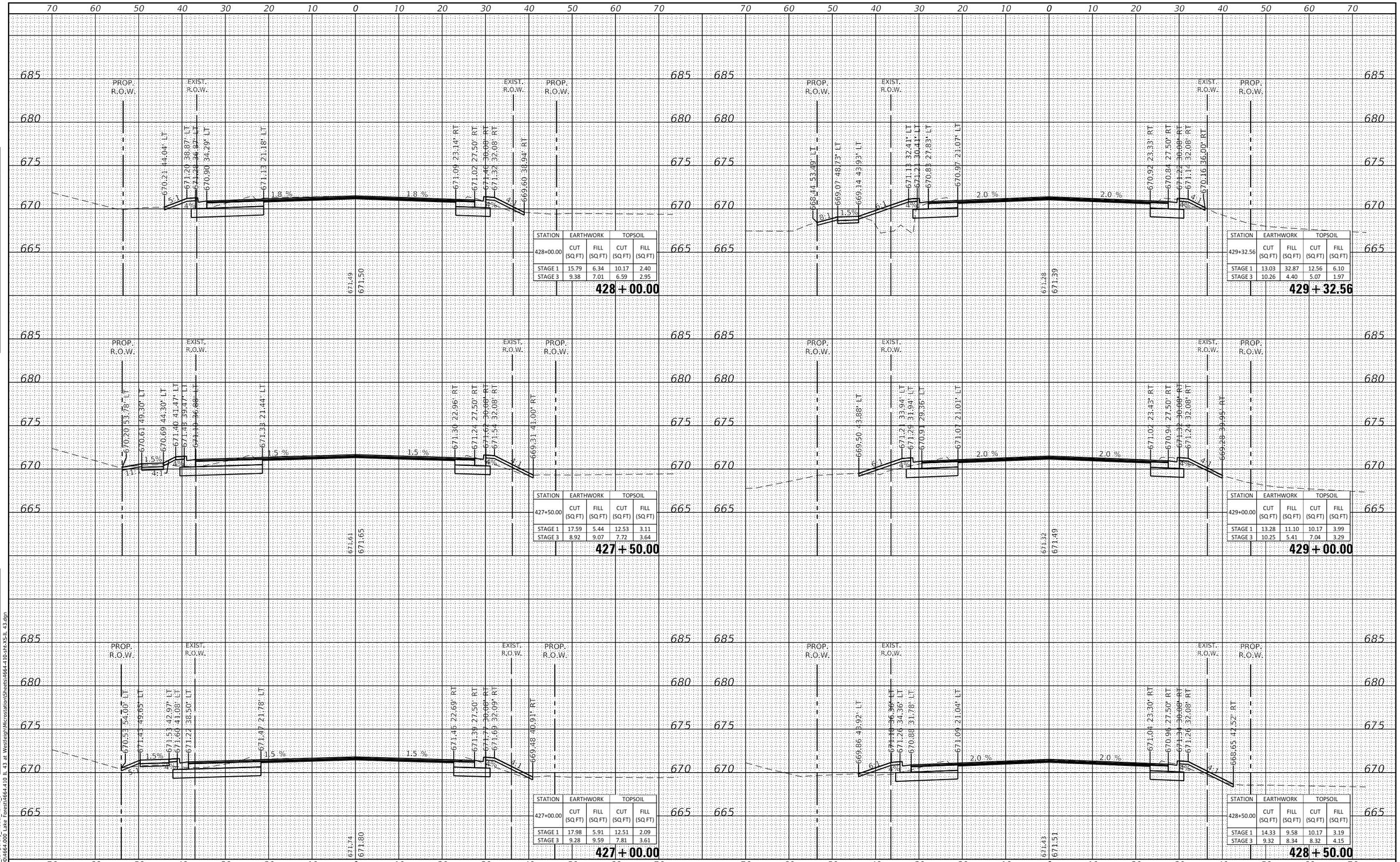
		CONTRACT NO. 61L42		
		ILLINOIS	FED. AID PROJECT	



STATION	EARTHWORK		TOPSOIL	
428+00.00	CUT (SQ.FT)	FILL (SQ.FT)	CUT (SQ.FT)	FILL (SQ.FT)
STAGE 1	15.79	6.34	10.17	2.40
STAGE 3	9.38	7.01	6.59	2.95

428 + 00.00

STATION	EARTHWORK		TOPSOIL	
429+32.56	CUT (SQ.FT)	FILL (SQ.FT)	CUT (SQ.FT)	FILL (SQ.FT)
STAGE 1	13.03	32.87	12.56	6.10
STAGE 3	10.26	4.40	5.07	1.97

429 + 32.56

STATION	EARTHWORK		TOPSOIL	
427+50.00	CUT (SQ.FT)	FILL (SQ.FT)	CUT (SQ.FT)	FILL (SQ.FT)
STAGE 1	17.59	5.44	12.53	3.11
STAGE 3	8.92	9.07	7.72	3.64

427 + 50.00

STATION	EARTHWORK		TOPSOIL	
429+00.00	CUT (SQ.FT)	FILL (SQ.FT)	CUT (SQ.FT)	FILL (SQ.FT)
STAGE 1	13.28	11.10	10.17	3.99
STAGE 3	10.25	5.41	7.04	3.29

429 + 00.00

STATION	EARTHWORK		TOPSOIL	
427+00.00	CUT (SQ.FT)	FILL (SQ.FT)	CUT (SQ.FT)	FILL (SQ.FT)
STAGE 1	17.98	5.91	12.51	2.09
STAGE 3	9.28	9.59	7.81	3.61

427 + 00.00

STATION	EARTHWORK		TOPSOIL	
428+50.00	CUT (SQ.FT)	FILL (SQ.FT)	CUT (SQ.FT)	FILL (SQ.FT)
STAGE 1	14.33	9.58	10.17	3.19
STAGE 3	9.32	8.34	8.32	4.15

428 + 50.00

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

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

GEWALT HAMILTON ASSOCIATES, INC.

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PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -	

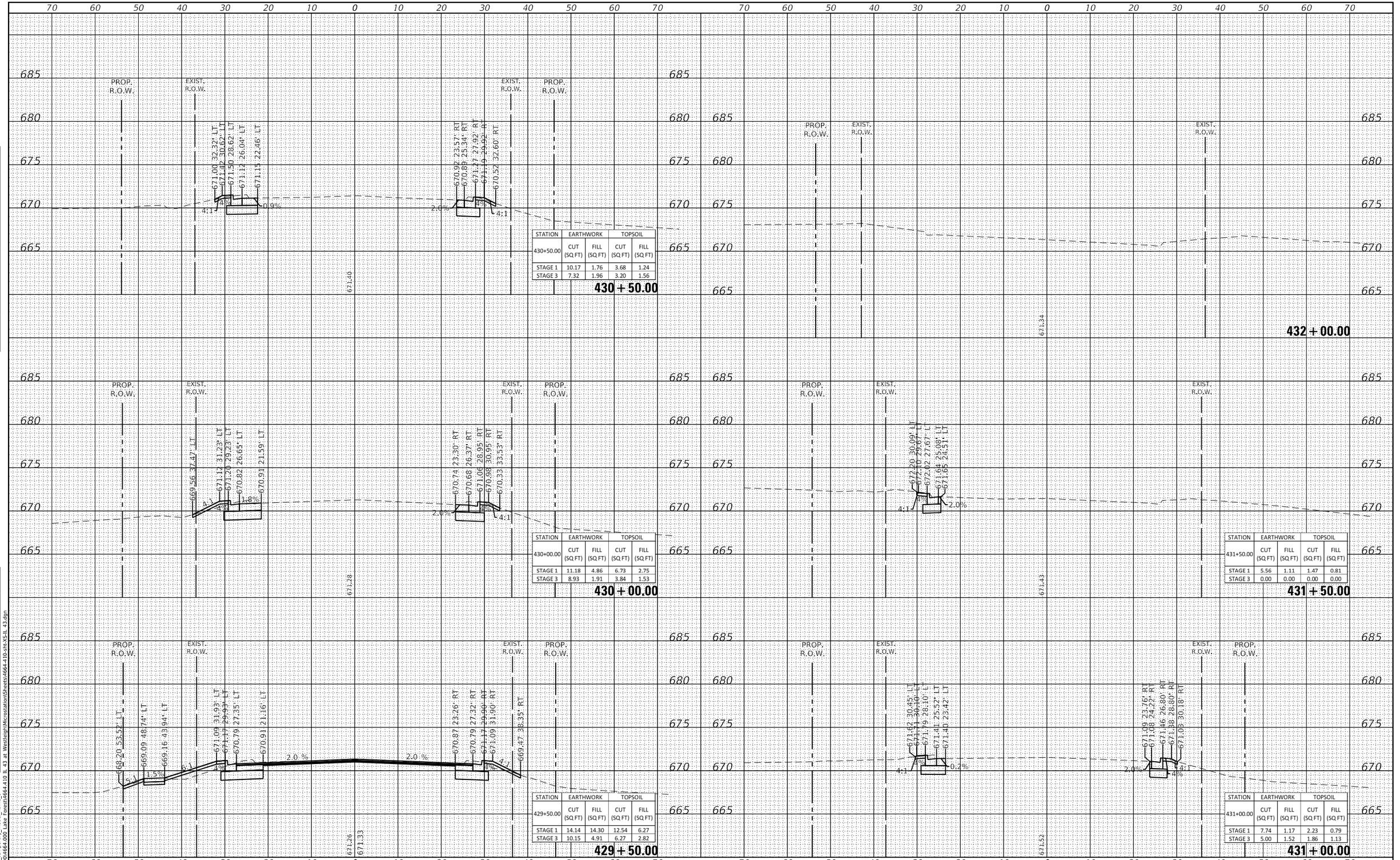
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS IL RTE 43 (WAUKEGAN ROAD)
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

SCALE: 1"=10' | SHEET 5 OF 6 SHEETS | STA. 427+00.00 | TO STA. 429+32.56

V:1"=5'

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	113
		CONTRACT NO. 61L42		
		ILLINOIS	FED. AID PROJECT	



FINAL SURVEY | ORIGINAL SURVEY

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

GEWALT HAMILTON ASSOCIATES, INC.

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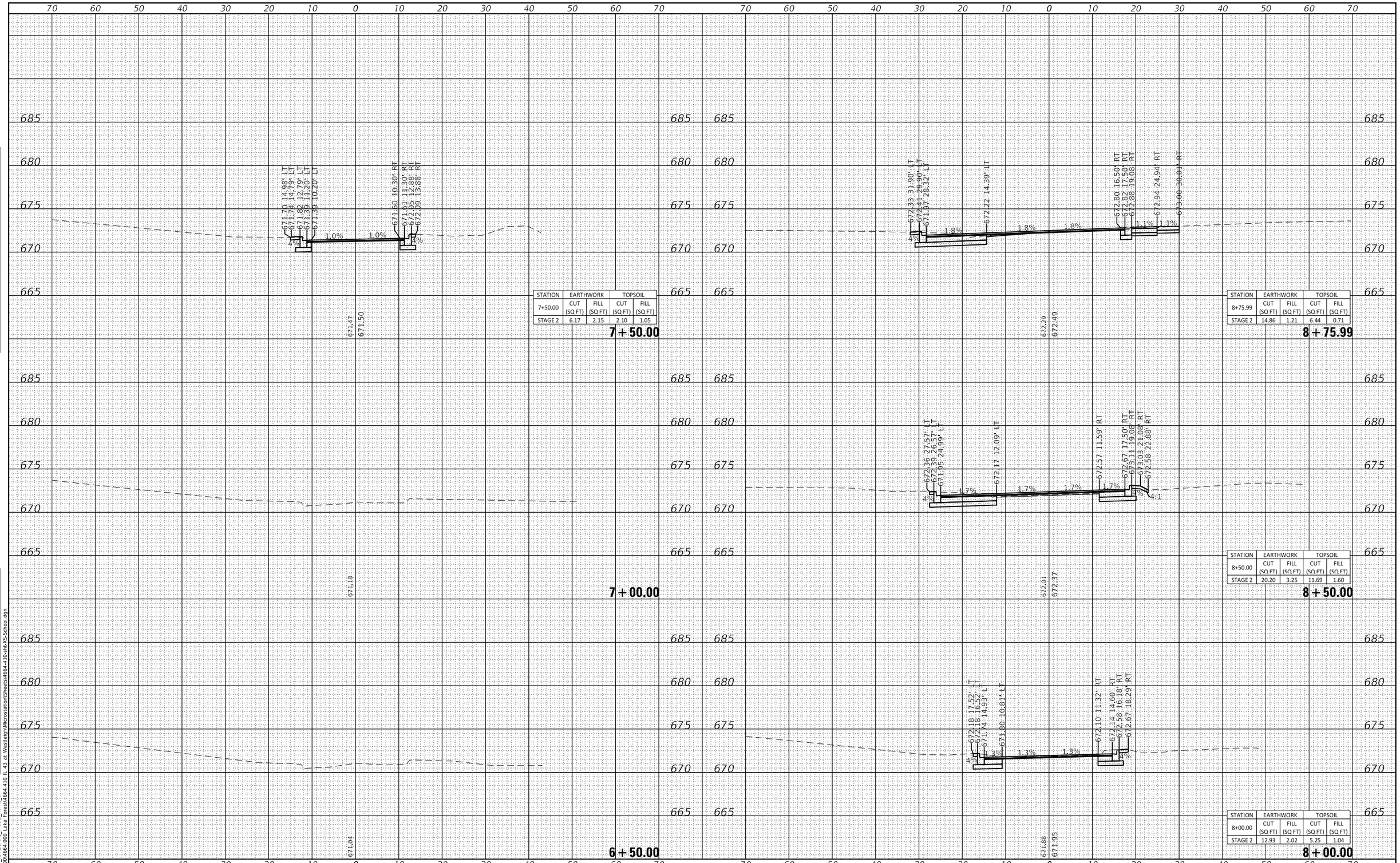
USER NAME = dolesak	DESIGNED - KLB	REVISED -	
	DRAWN - GHA	REVISED -	
PLOT SCALE = 20.0009 ' / in.	CHECKED - KLB	REVISED -	
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS IL RTE 43 (WAUKEGAN ROAD)
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

SCALE: 1"=10' | SHEET 6 OF 6 SHEETS | STA. 429+50.00 | TO STA. 432+00.00
V:1"=5'

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	114
		CONTRACT NO. 61L42		
		ILLINOIS	FED. AID PROJECT	



STATION	EARTHWORK		TOPSOIL	
7+50.00	CUT (SQ.FT)	FILL (SQ.FT)	CUT (SQ.FT)	FILL (SQ.FT)
STAGE 2	6.17	2.15	2.10	1.05

7 + 50.00

STATION	EARTHWORK		TOPSOIL	
8+75.99	CUT (SQ.FT)	FILL (SQ.FT)	CUT (SQ.FT)	FILL (SQ.FT)
STAGE 2	14.86	1.21	6.44	0.71

8 + 75.99

STATION	EARTHWORK		TOPSOIL	
8+50.00	CUT (SQ.FT)	FILL (SQ.FT)	CUT (SQ.FT)	FILL (SQ.FT)
STAGE 2	20.20	3.25	11.69	1.60

8 + 50.00

STATION	EARTHWORK		TOPSOIL	
8+00.00	CUT (SQ.FT)	FILL (SQ.FT)	CUT (SQ.FT)	FILL (SQ.FT)
STAGE 2	12.93	2.02	5.25	1.04

8 + 00.00

USER NAME = dolesak	DESIGNED - KLB	REVISED -	
	DRAWN - GHA	REVISED -	
PLOT SCALE = 20.0009 ' / in.	CHECKED - KLB	REVISED -	
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS SCHOOL ENTRANCE
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

SCALE: 1"=10' | SHEET 1 OF 2 SHEETS | STA. 6+50.00 | TO STA. 8+75.99

V:1"=5'

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	115
		CONTRACT NO. 61L42		
		ILLINOIS FED. AID PROJECT		

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

GEWALT HAMILTON ASSOCIATES, INC.

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70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

685 680 675 670 665

672.45 672.58

STATION	EARTHWORK		TOPSOIL	
10+00.00	CUT (SQ FT)	FILL (SQ FT)	CUT (SQ FT)	FILL (SQ FT)
STAGE 2	0.00	0.00	0.00	0.00

10 + 00.00

671.82 65.11' LT
671.73 53.06' LT
671.78 48.62' LT
672.09 35.07' LT
672.21 15.89' LT
672.42 18.32' RT
672.45 22.42' RT
672.44 24.17' RT
672.51 32.34' RT
672.20 36.34' RT

7.2% 0.7% 2.3% 0.6% 0.6% 0.6% 0.9% 13:1

672.12 672.31

STATION	EARTHWORK		TOPSOIL	
9+50.00	CUT (SQ FT)	FILL (SQ FT)	CUT (SQ FT)	FILL (SQ FT)
STAGE 2	30.57	2.64	8.17	1.34

9 + 50.00

PROP. R.O.W.

PROP. R.O.W.

672.16 33.63' LT
672.28 33.14' LT
672.36 31.14' LT
672.32 29.55' LT
672.20 15.71' LT
672.87 17.50' RT
673.23 21.08' RT
673.31 19.08' RT
673.00 21.97' RT

4:1 4% 2.0% 2.0% 2.0% 4:1

672.38 672.52

STATION	EARTHWORK		TOPSOIL	
9+00.00	CUT (SQ FT)	FILL (SQ FT)	CUT (SQ FT)	FILL (SQ FT)
STAGE 2	8.29	4.66	3.22	1.79

9 + 00.00

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

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

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

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: XS_SHEET_temporary_model_name_2
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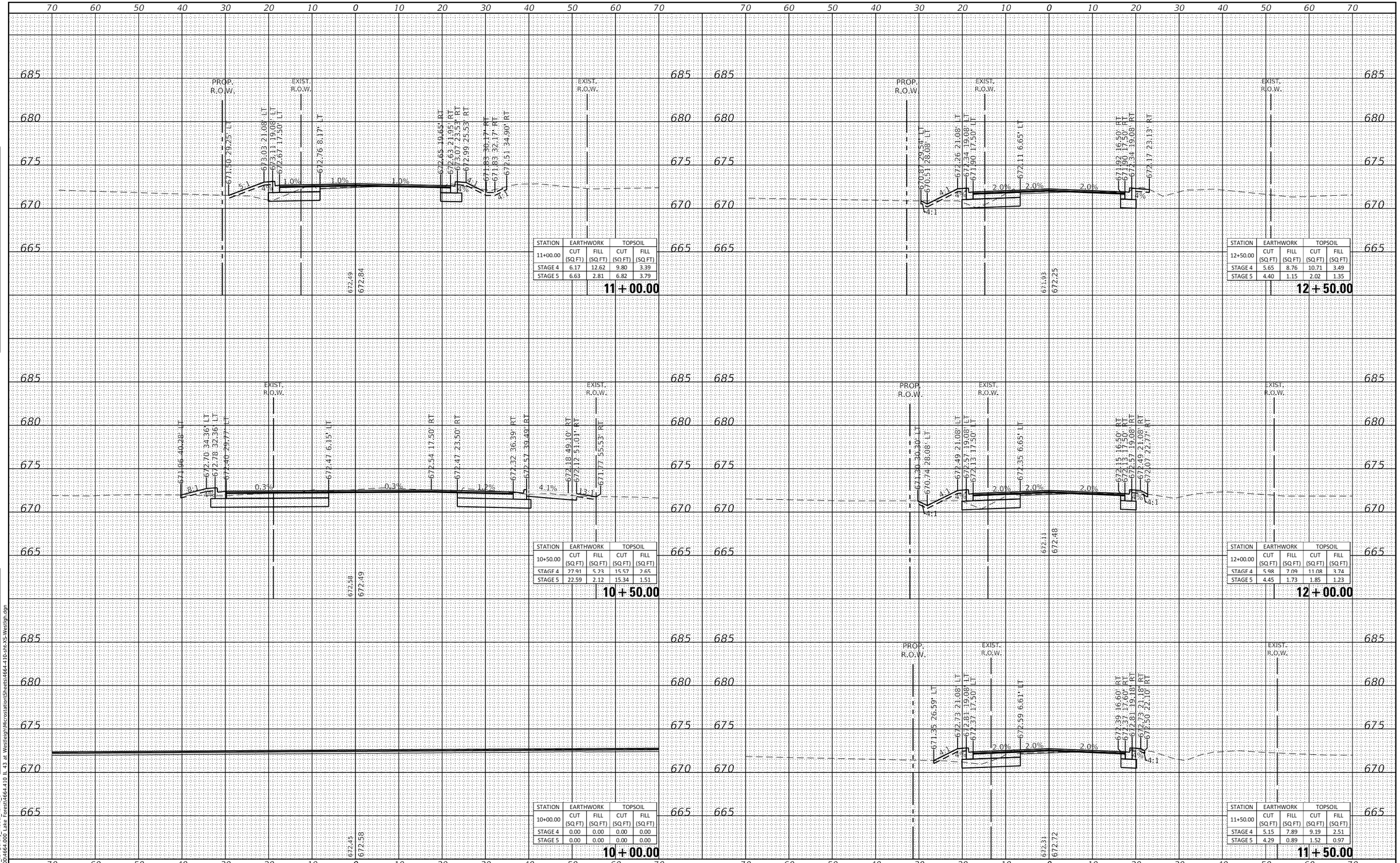
	DRAWN - GHA	REVISED -	
PLOT SCALE = 20.0009 ' / in.	CHECKED - KLB	REVISED -	
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS SCHOOL ENTRANCE
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

SCALE: 1"=10' | SHEET 2 OF 2 SHEETS | STA. 9+00.00 | TO STA. 10+00.00
V:1"=5'

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	116
		CONTRACT NO. 61L42		
		ILLINOIS	FED. AID PROJECT	



STATION	EARTHWORK		TOPSOIL	
11+00.00	CUT (SQ FT)	FILL (SQ FT)	CUT (SQ FT)	FILL (SQ FT)
STAGE 4	6.17	12.62	9.80	3.39
STAGE 5	6.63	2.81	6.82	3.79

STATION	EARTHWORK		TOPSOIL	
12+50.00	CUT (SQ FT)	FILL (SQ FT)	CUT (SQ FT)	FILL (SQ FT)
STAGE 4	5.65	8.76	10.71	3.49
STAGE 5	4.40	1.15	2.02	1.35

STATION	EARTHWORK		TOPSOIL	
10+50.00	CUT (SQ FT)	FILL (SQ FT)	CUT (SQ FT)	FILL (SQ FT)
STAGE 4	27.91	5.23	15.57	2.65
STAGE 5	22.59	2.12	15.34	1.51

STATION	EARTHWORK		TOPSOIL	
12+00.00	CUT (SQ FT)	FILL (SQ FT)	CUT (SQ FT)	FILL (SQ FT)
STAGE 4	5.98	7.09	11.08	3.74
STAGE 5	4.45	1.73	1.85	1.23

STATION	EARTHWORK		TOPSOIL	
10+00.00	CUT (SQ FT)	FILL (SQ FT)	CUT (SQ FT)	FILL (SQ FT)
STAGE 4	0.00	0.00	0.00	0.00
STAGE 5	0.00	0.00	0.00	0.00

STATION	EARTHWORK		TOPSOIL	
11+50.00	CUT (SQ FT)	FILL (SQ FT)	CUT (SQ FT)	FILL (SQ FT)
STAGE 4	5.15	7.89	9.19	2.51
STAGE 5	4.29	0.89	1.52	0.97

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

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

GEWALT HAMILTON ASSOCIATES, INC.

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	DRAWN - GHA	REVISED -	
PLOT SCALE = 20.0009 ' / in.	CHECKED - KLB	REVISED -	
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -	

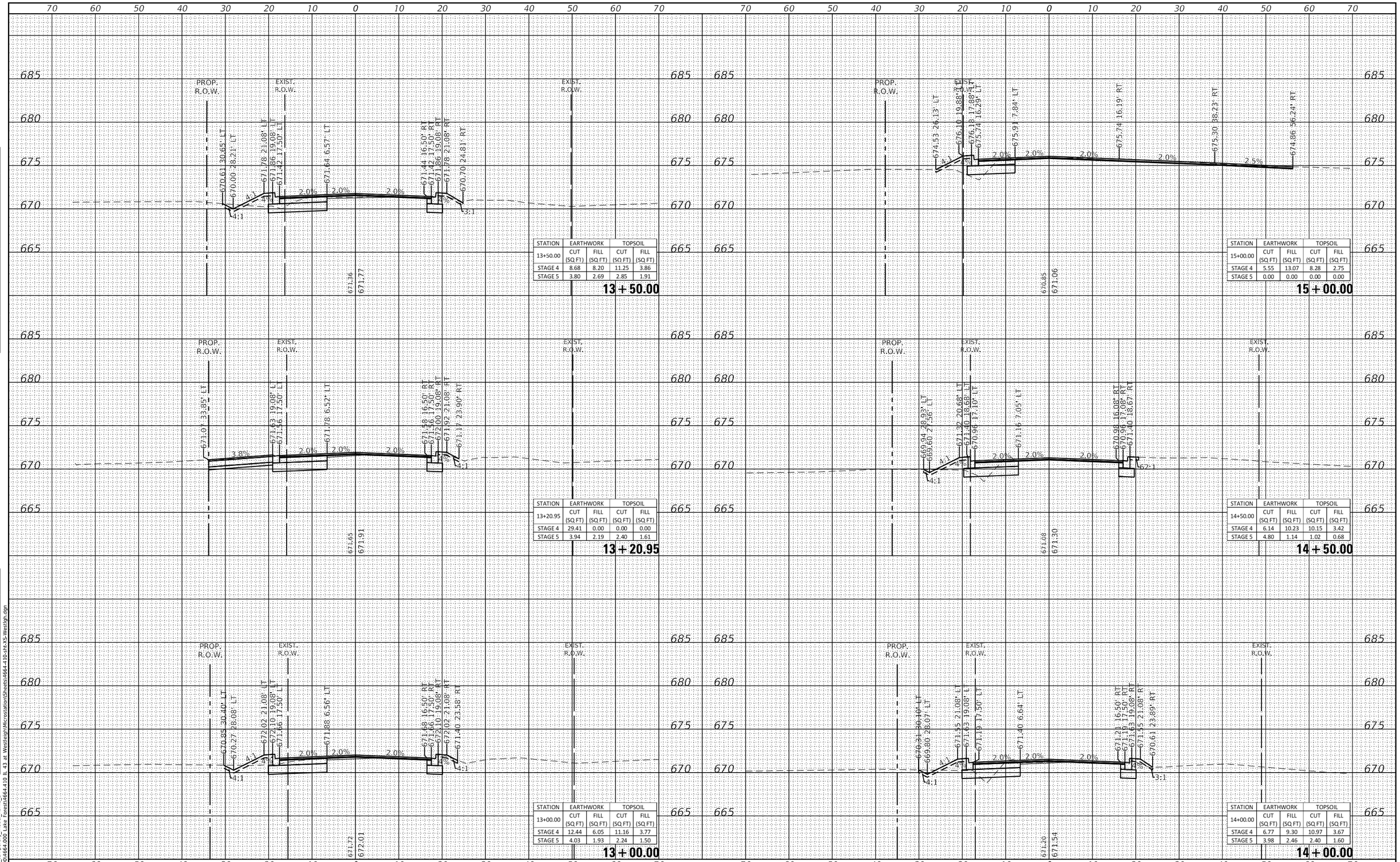
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS WESTLEIGH ROAD
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

SCALE: 1"=10' | SHEET 1 OF 3 SHEETS | STA. 10+00.00 | TO STA. 12+50.00

V:1"=5'

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	117
		CONTRACT NO. 61L42		
		ILLINOIS	FED. AID PROJECT	



STATION	EARTHWORK		TOPSOIL	
13+50.00	CUT (SQ.FT)	FILL (SQ.FT)	CUT (SQ.FT)	FILL (SQ.FT)
STAGE 4	8.68	8.20	11.25	3.86
STAGE 5	3.80	2.69	2.85	1.91

STATION	EARTHWORK		TOPSOIL	
15+00.00	CUT (SQ.FT)	FILL (SQ.FT)	CUT (SQ.FT)	FILL (SQ.FT)
STAGE 4	5.55	13.07	8.28	2.75
STAGE 5	0.00	0.00	0.00	0.00

STATION	EARTHWORK		TOPSOIL	
13+20.95	CUT (SQ.FT)	FILL (SQ.FT)	CUT (SQ.FT)	FILL (SQ.FT)
STAGE 4	29.41	0.00	0.00	0.00
STAGE 5	3.94	2.19	2.40	1.61

STATION	EARTHWORK		TOPSOIL	
14+50.00	CUT (SQ.FT)	FILL (SQ.FT)	CUT (SQ.FT)	FILL (SQ.FT)
STAGE 4	6.14	10.23	10.15	3.42
STAGE 5	4.80	1.14	1.02	0.68

STATION	EARTHWORK		TOPSOIL	
13+00.00	CUT (SQ.FT)	FILL (SQ.FT)	CUT (SQ.FT)	FILL (SQ.FT)
STAGE 4	12.44	6.05	11.16	3.77
STAGE 5	4.03	1.93	2.24	1.50

STATION	EARTHWORK		TOPSOIL	
14+00.00	CUT (SQ.FT)	FILL (SQ.FT)	CUT (SQ.FT)	FILL (SQ.FT)
STAGE 4	6.77	9.30	10.97	3.67
STAGE 5	3.98	2.46	2.40	1.60

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

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

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: XS_SHEET_temporary_model_name_2
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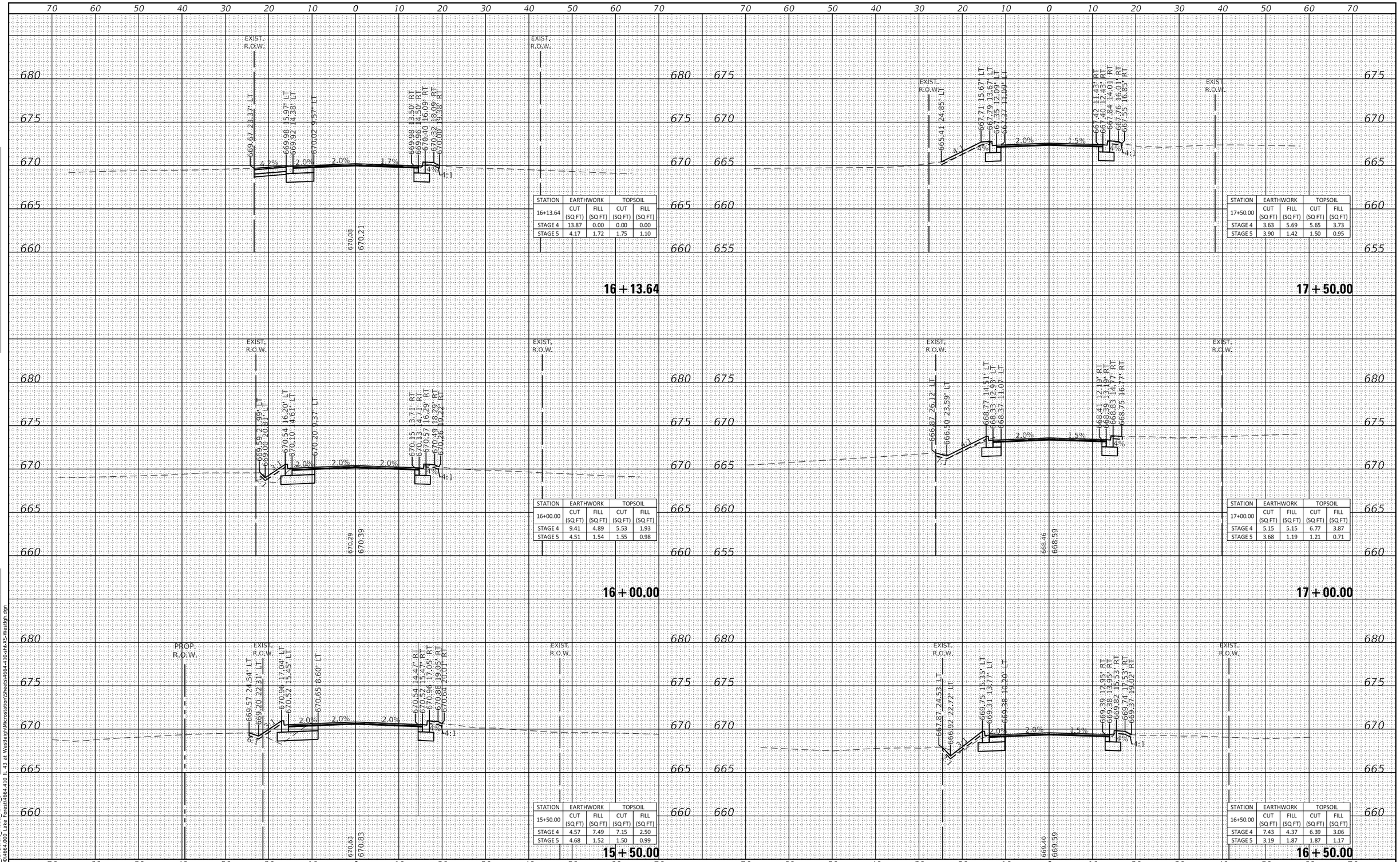
USER NAME = dolesak	DESIGNED - KLB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS WESTLEIGH ROAD
	DRAWN - GHA	REVISED -		IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD
PLOT SCALE = 20.0009 ' / in.	CHECKED - KLB	REVISED -		SCALE: 1"=10' SHEET 2 OF 3 SHEETS STA. 13+00.00 TO STA. 15+00.00
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -		V:1"=5'

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	118
		CONTRACT NO. 61L42		
	ILLINOIS FED. AID PROJECT			



STATION	EARTHWORK		TOPSOIL	
16+13.64	CUT (SQ FT)	FILL (SQ FT)	CUT (SQ FT)	FILL (SQ FT)
STAGE 4	13.87	0.00	0.00	0.00
STAGE 5	4.17	1.72	1.75	1.10

STATION	EARTHWORK		TOPSOIL	
17+50.00	CUT (SQ FT)	FILL (SQ FT)	CUT (SQ FT)	FILL (SQ FT)
STAGE 4	3.63	5.69	5.65	3.73
STAGE 5	3.90	1.42	1.50	0.95

STATION	EARTHWORK		TOPSOIL	
16+00.00	CUT (SQ FT)	FILL (SQ FT)	CUT (SQ FT)	FILL (SQ FT)
STAGE 4	9.41	4.89	5.53	1.93
STAGE 5	4.51	1.54	1.55	0.98

STATION	EARTHWORK		TOPSOIL	
17+00.00	CUT (SQ FT)	FILL (SQ FT)	CUT (SQ FT)	FILL (SQ FT)
STAGE 4	5.15	5.15	6.77	3.87
STAGE 5	3.68	1.19	1.21	0.71

STATION	EARTHWORK		TOPSOIL	
15+50.00	CUT (SQ FT)	FILL (SQ FT)	CUT (SQ FT)	FILL (SQ FT)
STAGE 4	4.57	7.49	7.15	2.50
STAGE 5	4.68	1.52	1.50	0.99

STATION	EARTHWORK		TOPSOIL	
16+50.00	CUT (SQ FT)	FILL (SQ FT)	CUT (SQ FT)	FILL (SQ FT)
STAGE 4	7.43	4.37	6.39	3.06
STAGE 5	3.19	1.87	1.87	1.17

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

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

GEWALT HAMILTON ASSOCIATES, INC.

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PLOT SCALE = 20.0009 ' / in.	CHECKED - KLB	REVISED -	
PLOT DATE = 10/29/2025	DATE - 10/29/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS WESTLEIGH ROAD
IL RTE 43 (WAUKEGAN RD) AT WESTLEIGH ROAD

SCALE: 1"=10' | SHEET 3 OF 3 SHEETS | STA. 15+50.00 | TO STA. 17+50.00

V:1"=5'

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706/4070	13-00095-00-CH	LAKE	119	119
		CONTRACT NO. 61L42		
		ILLINOIS	FED. AID PROJECT	