

11-07-2025 LETTING ITEM 114

FOR INDEX OF SHEETS, SEE SHEET NO. 2

TRAFFIC DATA
JACKSON BLVD.
ADT = 5600 (2022)
POSTED SPEED LIMIT = 25 MPH

JACKSON BLVD. DESIGN DESIGNATION:
MAJOR COLLECTOR

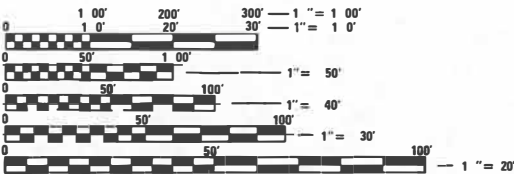
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PLANS FOR PROPOSED
FEDERAL AID HIGHWAY

FAU ROUTE 1462 (JACKSON BOULEVARD)
DES PLAINES AVE. TO HARLEM AVE.
WATERMAIN AND RESURFACING
SECTION NO.: 25-00121-00-RS
PROJECT NO.: ELK2(266)
VILLAGE OF FOREST PARK
COOK COUNTY
C-91-193-25

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1462	25-00121-00-RS	COOK	49	1
FED. ROAD DIST. NO.		ILLINOIS CONTRACT NO. 61L90		



JAMES F. AMELIO
JULY 28, 2025
REGISTERED PROFESSIONAL ENGINEER
ILLINOIS
ILLINOIS REGISTRATION NO. 062-060779
EXPIRATION DATE: 11/30/25



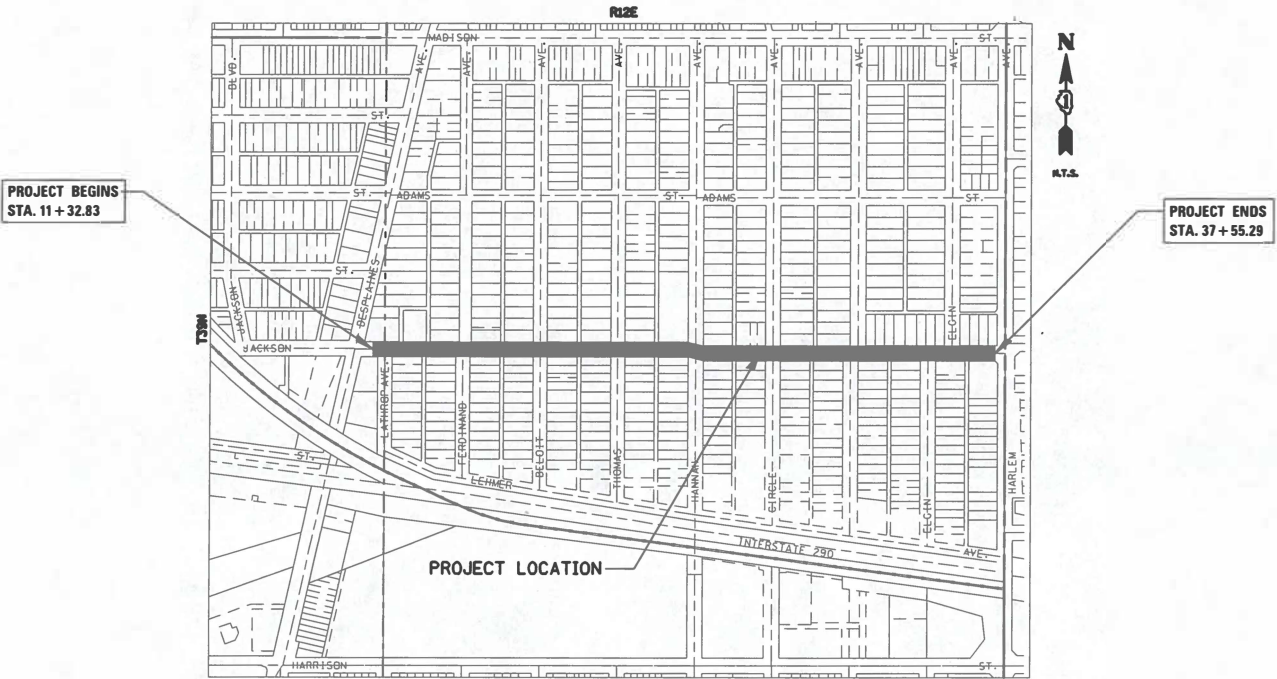
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT
CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS
ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
8-1-1 OR 1-800-892-0123

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

PROFESSIONAL DESIGN FIRM NO. 184-001175
EXPIRATION DATE: 04/30/27

CONTRACT NO. 61L90



LOCATION MAP

JACKSON BLVD.
GROSS LENGTH OF PROJECT = 2,622.4520 FEET (0.497 MILES)
NET LENGTH OF PROJECT = 2,622.4520 FEET (0.497 MILES)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED July 11, 2025
[Signature]
MAYOR, VILLAGE OF FOREST PARK

PASSED Sept 3, 2025
[Signature]
ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR
BID BASED ON
LIMITED REVIEW Sept 3, 2025
[Signature]
REGIONAL ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

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

INDEX OF SHEETS				HIGHWAY STANDARDS				GENERAL NOTES				WATER MAIN			
SHEET NO.	DESCRIPTION														
1	COVER SHEET									1. FOR WATER MAIN SHUT OFFS, THE CONTRACTOR SHALL GIVE THE VILLAGE A MINIMUM OF 2 WORKING DAYS NOTICE. THE VILLAGE SHALL PROVIDE NOTIFICATION FORMS AND DETERMINE THE LIMIT OF THE AFFECTED AREAS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISTRIBUTION OF THE NOTIFICATION FORMS TO ALL AFFECTED RESIDENTS.					
2	GENERAL NOTES AND HIGHWAY STANDARDS									2. THE CONTRACTOR SHALL NOT OPEN OR SHUT ANY WATER VALVES OR FIRE HYDRANTS WITHOUT PRIOR AUTHORIZATION FROM THE VILLAGE PUBLIC WORKS DEPARTMENT. UNAUTHORIZED USE SHALL SUBJECT THE OFFENDER TO ARREST AND PROSECUTION.					
3	MWRD GENERAL NOTES									3. TOP OF WATER MAIN SHALL BE INSTALLED AT A MINIMUM DEPTH OF 5.5' BELOW FINISHED GRADE AND NO DEEPER THAN 8' FROM FINISHED GRADE WITHOUT THE PRIOR WRITTEN APPROVAL OF THE UTILITIES SUPERINTENDENT.					
4	MWRD SEWER ROUTING EXHIBIT									4. CHANGES IN DIRECTION OF WATER MAIN SHALL BE INSTALLED WITH APPROVED RETAINER FITTINGS AND THRUST BLOCKING.					
5-13	SUMMARY OF QUANTITIES									5. WATER MAIN SHALL NOT BE SLEEVED OR ENCASED WITHOUT THE PRIOR WRITTEN APPROVAL OF THE UTILITIES SUPERINTENDENT.					
14	TYPICAL SECTIONS									6. PRESSURE TESTING OF WATER MAIN SHALL INCLUDE HYDRANTS BY PRESSURE TESTING AGAINST INTERNAL VALVE OF HYDRANT.					
15-17	EXISTING CONDITIONS									7. ALL EXISTING BUFFALO BOXES LOCATED IN PROPOSED SIDEWALKS SHALL BE RELOCATED OR ADJUSTED AS DIRECTED BY THE ENGINEER.					
18-20	REMOVAL PLAN														
21-23	PROPOSED RESURFACING PLAN														
24-26	PAVEMENT MARKING PLAN														
27-32	PROPOSED WATERMAIN PLAN & PROFILE														
33-35	LANDSCAPING RESTORATION PLAN														
36-37	DES PLAINES AVENUE INTERSECTION TRAFFIC SIGNAL PLANS														
38	HARLEM AVENUE INTERSECTION TRAFFIC SIGNAL PLANS														
39-41	CONSTRUCTION DETAILS														
42	FRAMES AND LIDS ADJUSTMENT WITH MILLING (BD-8)														
43	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22)														
44	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT (BD-24)														
45	BUTT JOINT AND HMA TAPER DETAILS (BD-32)														
46	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)														
47	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)														
48	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS (TC-16)														
49	ARTERIAL ROAD INFORMATION SIGN (TC-22)														

MWRD GENERAL NOTES:

A. REFERENCED SPECIFICATIONS

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE FOLLOWING, EXCEPT AS MODIFIED HEREIN OR ON THE PLANS:
- STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION), BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT SS) FOR ALL IMPROVEMENTS EXCEPT SANITARY SEWER AND WATER MAIN CONSTRUCTION;
 - STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION (SSWS) FOR SANITARY SEWER AND WATER MAIN CONSTRUCTION;
 - VILLAGE OF FOREST PARK MUNICIPAL CODE;
 - THE METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO (MWRD) WATERSHED MANAGEMENT ORDINANCE AND TECHNICAL GUIDANCE MANUAL;
 - IN CASE OF CONFLICT BETWEEN THE APPLICABLE ORDINANCES NOTED, THE MORE STRINGENT SHALL TAKE PRECEDENCE AND SHALL CONTROL ALL CONSTRUCTION.

B. NOTIFICATIONS

1. THE MWRD LOCAL SEWER SYSTEMS SECTION FIELD OFFICE MUST BE NOTIFIED AT LEAST TWO (2) WORKING DAYS PRIOR TO THE COMMENCEMENT OF ANY WORK (CALL 708-588-4055 OR SEND EMAIL NOTIFICATION WITH PROJECT NAME, LOCATION AND PERMIT NUMBER TO WMOJOBSTART@MWRD.ORG).
2. THE VILLAGE OF FOREST PARK ENGINEERING DEPARTMENT AND PUBLIC MUST BE NOTIFIED AT LEAST 24 HOURS PRIOR TO THE START OF CONSTRUCTION AND PRIOR TO EACH PHASE OF WORK. CONTRACTOR SHALL DETERMINE ITEMS REQUIRING INSPECTION PRIOR TO START OF CONSTRUCTION OR EACH WORK PHASE.
3. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION FOR THE EXACT LOCATIONS OF UTILITIES AND FOR THEIR PROTECTION DURING CONSTRUCTION. IF EXISTING UTILITIES ARE ENCOUNTERED THAT CONFLICT IN LOCATION WITH NEW CONSTRUCTION, IMMEDIATELY NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED. CALL J.U.L.I.E. AT 1-800-892-0123.

C. GENERAL NOTES

1. ALL ELEVATIONS SHOWN ON PLANS REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). CONVERSION FACTOR IS N/A FT.
2. MWRD, THE MUNICIPALITY AND THE OWNER OR OWNER’S REPRESENTATIVE SHALL HAVE THE AUTHORITY TO INSPECT, APPROVE, AND REJECT THE CONSTRUCTION IMPROVEMENTS.
3. THE CONTRACTOR(S) SHALL INDEMNIFY THE OWNER, ENGINEER, MUNICIPALITY, MWRD, AND THEIR AGENTS, ETC., FROM ALL LIABILITY INVOLVED WITH THE CONSTRUCTION, INSTALLATION, OR TESTING OF THIS WORK ON THE PROJECT.
4. THE PROPOSED IMPROVEMENTS MUST BE CONSTRUCTED IN ACCORDANCE WITH THE ENGINEERING PLANS AS APPROVED BY MWRD AND THE MUNICIPALITY UNLESS CHANGES ARE APPROVED BY MWRD, THE MUNICIPALITY, OR AUTHORIZED AGENT. THE CONSTRUCTION DETAILS, AS PRESENTED ON THE PLANS, MUST BE FOLLOWED. PROPER CONSTRUCTION TECHNIQUES MUST BE FOLLOWED ON THE IMPROVEMENTS INDICATED ON THE PLANS.
5. THE LOCATION OF VARIOUS UNDERGROUND UTILITIES WHICH ARE SHOWN ON THE PLANS ARE FOR INFORMATION ONLY AND REPRESENT THE BEST KNOWLEDGE OF THE ENGINEER. VERIFY LOCATIONS AND ELEVATIONS PRIOR TO BEGINNING THE CONSTRUCTION OPERATIONS.
6. ANY EXISTING PAVEMENT, SIDEWALK, DRIVEWAY, ETC., DAMAGED DURING CONSTRUCTION OPERATIONS AND NOT CALLED FOR TO BE REMOVED SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.
7. MATERIAL AND COMPACTION TESTING SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE MUNICIPALITY, MWRD, AND OWNER.
8. THE UNDERGROUND CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENTS TO NOTIFY ALL INSPECTION AGENCIES.
9. ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS DISTURBED DURING CONSTRUCTION SHALL BE ADJUSTED TO FINISH GRADE PRIOR TO FINAL INSPECTION.
10. RECORD DRAWINGS SHALL BE KEPT BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER AS SOON AS UNDERGROUND IMPROVEMENTS ARE COMPLETED. FINAL PAYMENTS TO THE CONTRACTOR SHALL BE HELD UNTIL THEY ARE RECEIVED. ANY CHANGES IN LENGTH, LOCATION OR ALIGNMENT SHALL BE SHOWN IN RED. ALL WYES OR BENDS SHALL BE LOCATED FROM THE DOWNSTREAM MANHOLE. ALL VALVES, B-BOXES, TEES OR BENDS SHALL BE TIED TO A FIRE HYDRANT.

D. SANITARY SEWER

1. THE CONTRACTOR SHALL TAKE MEASURES TO PREVENT ANY POLLUTED WATER, SUCH AS GROUND AND SURFACE WATER, FROM ENTERING THE EXISTING SANITARY SEWERS.
2. A WATER-TIGHT PLUG SHALL BE INSTALLED IN THE DOWNSTREAM SEWER PIPE AT THE POINT OF THE SEWER CONNECTION PRIOR TO COMMENCING ANY SEWER CONSTRUCTION. THE PLUG SHALL REMAIN IN PLACE UNTIL REMOVAL IS AUTHORIZED BY THE MUNICIPALITY AND/OR MWRD AFTER THE SEWERS HAVE BEEN TESTED AND ACCEPTED.
3. DISCHARGING ANY UNPOLLUTED WATER INTO THE SANITARY SEWER SYSTEM FOR THE PURPOSE OF SEWER FLUSHING OF LINES FOR THE DEFLECTION TEST SHALL BE PROHIBITED WITHOUT PRIOR APPROVAL FROM THE MUNICIPALITY OR MWRD.
4. ALL SANITARY SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS (LATEST EDITION).
5. ALL FLOOR DRAINS SHALL DISCHARGE TO THE SANITARY SEWER SYSTEM.
6. ALL DOWNSPOUTS AND FOOTING DRAINS SHALL DISCHARGE TO THE STORM SEWER SYSTEM.
7. ALL SANITARY SEWER PIPE MATERIALS AND JOINTS (AND STORM SEWER PIPE MATERIALS AND JOINTS IN A COMBINED SEWER AREA) SHALL CONFIRM TO THE FOLLOWING:

PIPE MATERIAL

VITRIFIED CLAY PIPE

REINFORCED CONCRETE SEWER PIPE

CAST IRON SOIL PIPE

DUCTILE IRON PIPE

PIPE SPECIFICATIONS

ASTM C-700

ASTM C-76

ASTM A-74

ANSI A21.51

JOINT SPECIFICATIONS

ASTM C-425

ASTM C-443

ASTM C-564

ANSI A21.11

POLYVINYL CHLORIDE (PVC) PIPE

6” TO 15” DIAMETER SDR 26

18” TO 27” DIAMETER F/DY=46

ASTM D-3034

ASTM F-679

ASTM D-3212

ASTM D-3212

HIGH DENSITY POLYETHENE (HDPE)

WATER MAIN QUALITY PVC

4” TO 36”

4” TO 12”

14” TO 48”

ASTM D-3350

ASTM D-3035

ASTM D-3261,F-2620 (HEAT FUSION)

ASTM D-3212,F-477 (GASKETED)

ASTM D-2241

AWWA C900

AWWA C905

ASTM D-3139

ASTM D-3139

ASTM D-3139

THE FOLLOWING MATERIALS ARE ALLOWED ON A QUALIFIED BASIS SUBJECT TO DISTRICT REVIEW AND APPROVAL PRIOR TO PERMIT ISSUANCE. A SPECIAL CONDITION WILL BE ADDED TO THE PERMIT WHEN THE PIPE MATERIAL BELOW IS USED FOR SEWER CONSTRUCTION OR A CONNECTION IS MADE.

PIPE MATERIAL

POLYPROPYLENE (PP) PIPE

PIPE SPECIFICATIONS

ASTM F-2736

ASTM F-2764

JOINT SPECIFICATIONS

D-3212,F-477

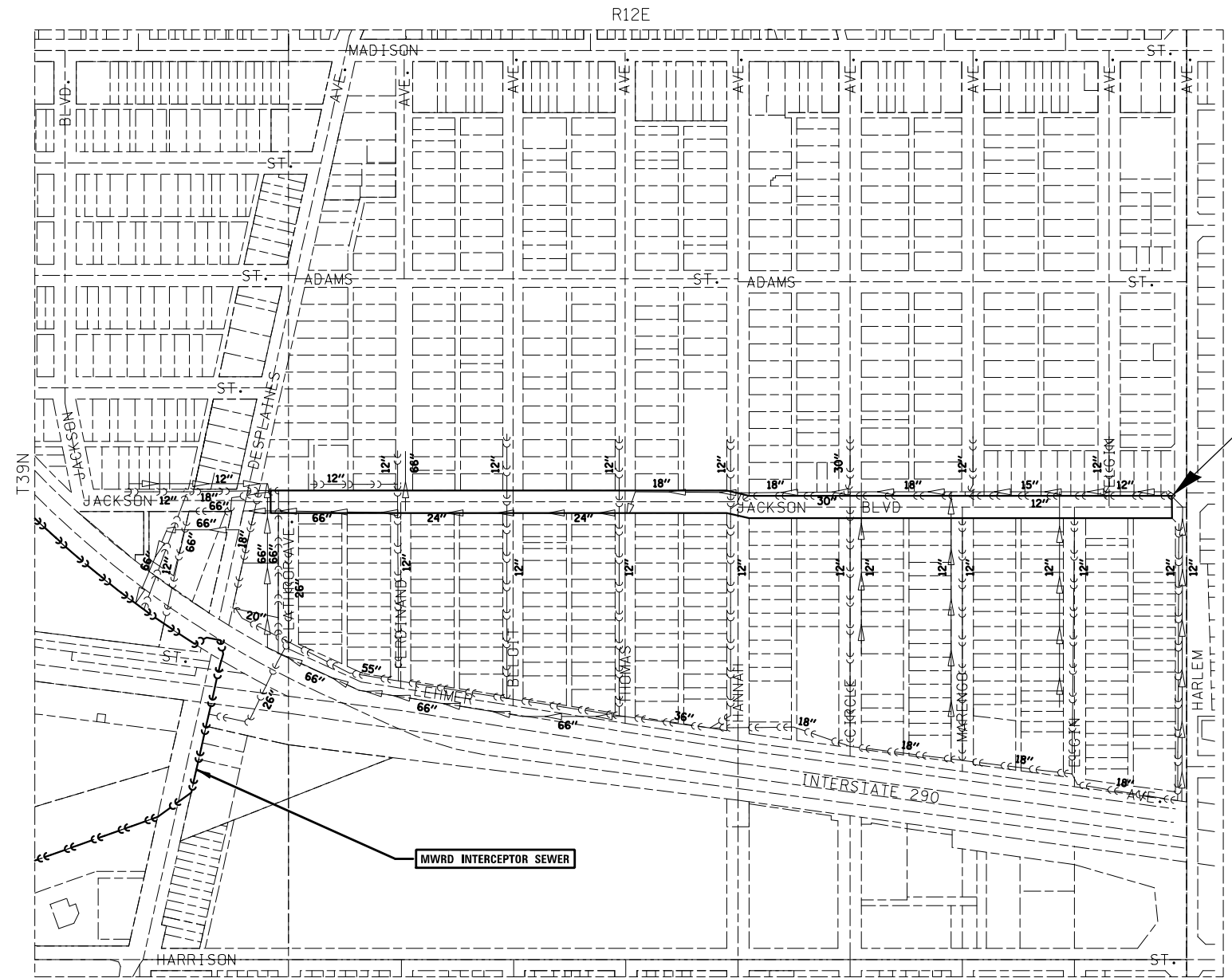
D3212,F-477

8. ALL SANITARY SEWER CONSTRUCTION (AND STORM SEWER CONSTRUCTION IN COMBINED SEWER AREAS), REQUIRES STONE BEDDING WITH STONE 1/4” TO 1” IN SIZE, WITH MINIMUM BEDDING THICKNESS EQUAL TO 1/4 THE OUTSIDE DIAMETER OF THE SEWER PIPE, BUT NOT LESS THAN FOUR (4) INCHES NOR MORE THAN EIGHT (8) INCHES. MATERIAL SHALL BE CA-7, CA-11 OR CA-13 AND SHALL BE EXTENDED AT LEAST 12” ABOVE THE TOP OF THE PIPE WHEN USING PVC.
9. NON-SHEAR FLEXIBLE-TYPE COUPLINGS SHALL BE USED IN THE CONNECTION OF SEWER PIPES OF DISSIMILAR PIPE MATERIALS.
10. ALL MANHOLES SHALL BE PROVIDED WITH BOLTED, WATERTIGHT COVERS. SANITARY LIDS SHALL BE CONSTRUCTED WITH A CONCEALED PICKHOLE AND WATERTIGHT GASKET WITH THE WORD “SANITARY” CAST INTO THE LID.
11. WHEN CONNECTING TO AN EXISTING SEWER MAIN BY MEANS OTHER THAN AN EXISTING WYE, TEE, OR AN EXISTING MANHOLE, ONE OF THE FOLLOWING METHODS SHALL BE USED:
- a) A CIRCULAR SAW-CUT OF SEWER MAIN BY PROPER TOOLS (“SEWER-TAP” MACHINE OR SIMILAR) AND PROPER INSTALLATION OF HUBWYE SADDLE OR HUB-TEE SADDLE.
 - b) REMOVE AN ENTIRE SECTION OF PIPE (BREAKING ONLY THE TOP OF ONE BELL) AND REPLACE WITH A WYE OR TEE BRANCH SECTION.
 - c) WITH PIPE CUTTER, NEATLY AND ACCURATELY CUT OUT DESIRED LENGTH OF PIPE FOR INSERTION OF PROPER FITTING, USING “BAND SEAL” OR SIMILAR COUPLINGS TO HOLD IT FIRMLY IN PLACE.
12. WHENEVER A SANITARY/COMBINED SEWER CROSSES UNDER A WATERMAIN, THE MINIMUM VERTICAL DISTANCE FROM THE TOP OF THE SEWER TO THE BOTTOM OF THE WATERMAIN SHALL BE 18 INCHES. FURTHERMORE, A MINIMUM HORIZONTAL DISTANCE OF 10 FEET BETWEEN SANITARY/COMBINED SEWERS AND WATERMAINS SHALL BE MAINTAINED UNLESS: THE SEWER IS LAID IN A SEPARATE TRENCH, KEEPING A MINIMUM 18” VERTICAL SEPARATION; OR THE SEWER IS LAID IN THE SAME TRENCH WITH THE WATERMAIN LOCATED AT THE OPPOSITE SIDE ON A BENCH OF UNDISTURBED EARTH, KEEPING A MINIMUM 18” VERTICAL SEPARATION. IF EITHER THE VERTICAL OR HORIZONTAL DISTANCES DESCRIBED CANNOT BE MAINTAINED, OR THE SEWER CROSSES ABOVE THE WATER MAIN, THE SEWER SHALL BE CONSTRUCTED TO WATER MAIN STANDARDS OR IT SHALL BE ENCASED WITH A WATER MAIN QUALITY CARRIER PIPE WITH THE ENDS SEALED.
13. ALL EXISTING SEPTIC SYSTEMS SHALL BE ABANDONED. ABANDONED TANKS SHALL BE FILLED WITH GRANULAR MATERIAL OR REMOVED.
14. ALL SANITARY MANHOLES, (AND STORM MANHOLES IN COMBINED SEWER AREAS), SHALL HAVE A MINIMUM INSIDE DIAMETER OF 48 INCHES, AND SHALL BE CAST IN PLACE OR PRE-CAST REINFORCED CONCRETE.
15. ALL SANITARY MANHOLES, (AND STORM MANHOLES IN COMBINED SEWER AREAS), SHALL HAVE PRECAST “RUBBER BOOTS” THAT CONFORM TO ASTM C-923 FOR ALL PIPE CONNECTIONS. PRECAST SECTIONS SHALL CONSIST OF MODIFIED GROOVE TONGUE AND RUBBER GASKET TYPE JOINTS.
16. ALL ABANDONED SANITARY SEWERS SHALL BE PLUGGED AT BOTH ENDS WITH AT LEAST 2 FEET LONG NON-SHRINK CONCRETE OR MORTAR PLUG.
17. EXCEPT FOR FOUNDATION/FOOTING DRAINS PROVIDED TO PROTECT BUILDINGS, OR PERFORATED PIPES ASSOCIATED WITH VOLUME CONTROL FACILITIES, DRAIN TILES/FIELD TILES/UNDERDRAINS/PERFORATED PIPES ARE NOT ALLOWED TO BE CONNECTED TO OR TRIBUTARY TO COMBINED SEWERS, SANITARY SEWERS, OR STORM SEWERS TRIBUTARY TO COMBINED SEWERS IN COMBINED SEWER AREAS. CONSTRUCTION OF NEW FACILITIES OF THIS TYPE IS PROHIBITED; AND ALL EXISTING DRAIN TILES AND PERFORATED PIPES ENCOUNTERED WITHIN THE PROJECT AREA SHALL BE PLUGGED OR REMOVED, AND SHALL NOT BE CONNECTED TO COMBINED SEWERS, SANITARY SEWERS, OR STORM SEWERS TRIBUTARY TO COMBINED SEWERS.
18. A BACKFLOW PREVENTER IS REQUIRED FOR ALL DETENTION BASINS TRIBUTARY TO COMBINED SEWERS. REQUIRED BACKFLOW PREVENTERS SHALL BE INSPECTED AND EXERCISED ANNUALLY BY THE PROPERTY OWNER TO ENSURE PROPER OPERATION, AND ANY NECESSARY MAINTENANCES SHALL BE PERFORMED TO ENSURE FUNCTIONALITY. IN THE EVENT OF A SEWER SURCHARGE INTO AN OPEN DETENTION BASIN TRIBUTARY TO COMBINED SEWERS, THE PERMITTEE SHALL ENSURE THAT CLEAN UP AND WASH OUT OF SEWAGE TAKES PLACE WITHIN 48 HOURS OF THE STORM EVENT.

E. EROSION AND SEDIMENT CONTROL

1. THE CONTRACTOR SHALL INSTALL THE EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN ON THE APPROVED EROSION AND SEDIMENT CONTROL PLAN.
2. EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE FUNCTIONAL PRIOR TO HYDROLOGIC DISTURBANCE OF THE SITE.
3. ALL DESIGN CRITERIA, SPECIFICATIONS, AND INSTALLATION OF EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL.
4. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
5. INSPECTIONS AND DOCUMENTATION SHALL BE PERFORMED, AT A MINIMUM:
- a) UPON COMPLETION OF INITIAL EROSION AND SEDIMENT CONTROL MEASURES, PRIOR TO ANY SOIL DISTURBANCE.
 - b) ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM EVENT WITH GREATER THAN 0.5 INCH OF RAINFALL OR LIQUID EQUIVALENT PRECIPITATION.
6. 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 CO-PERMITTEE SHALL PLAN FOR APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL MEASURES.
7. A STABILIZED MAT OF CRUSHED STONE MEETING THE STANDARDS OF THE ILLINOIS URBAN MANUAL 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.
8. CONCRETE WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL AND SHALL BE INSTALLED PRIOR TO ANY ON SITE CONSTRUCTION ACTIVITIES INVOLVING CONCRETE.
9. MORTAR WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ADDITION TO CONCRETE WASHOUT FACILITIES FOR ANY BRICK AND MORTAR BUILDING ENVELOPE CONSTRUCTION ACTIVITIES.
10. TEMPORARY DIVERSIONS SHALL BE CONSTRUCTED AS NECESSARY TO DIRECT ALL RUNOFF FROM HYDROLOGICALLY DISTURBED AREAS TO AN APPROPRIATE SEDIMENT TRAP OR BASIN. VOLUME CONTROL FACILITIES SHALL NOT BE USED AS TEMPORARY SEDIMENT BASINS.
11. DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) DAYS.
12. ALL FLOOD PROTECTION AREAS AND VOLUME CONTROL FACILITIES SHALL, AT A MINIMUM, BE PROTECTED WITH A DOUBLE-ROW OF SILT FENCE (OR EQUIVALENT).
13. VOLUME CONTROL FACILITIES SHALL NOT BE CONSTRUCTED UNTIL ALL OF THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED.
14. SOIL STOCKPILES SHALL, AT A MINIMUM, BE PROTECTED WITH PERIMETER SEDIMENT CONTROLS. SOIL STOCKPILES SHALL NOT BE PLACED IN FLOOD PROTECTION AREAS OR THEIR BUFFERS.
15. EARTHEN EMBANKMENT SIDE SLOPES SHALL BE STABILIZED WITH APPROPRIATE EROSION CONTROL BLANKET.
16. STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY APPROPRIATE SEDIMENT CONTROL MEASURES.
17. THE CONTRACTOR SHALL EITHER REMOVE OR REPLACE ANY EXISTING DRAIN TILES AND INCORPORATE THEM INTO THE DRAINAGE PLAN FOR THE DEVELOPMENT. DRAIN TILES CANNOT BE TRIBUTARY TO A SANITARY OR COMBINED SEWER. DRAIN TILES ALLOWED IN COMBINED SEWER AREA FOR GREEN INFRASTRUCTURE PRACTICES.
18. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. DEWATERING SYSTEMS SHOULD BE INSPECTED DAILY DURING OPERATIONAL PERIODS. THE SITE INSPECTOR MUST BE PRESENT AT THE COMMENCEMENT OF DEWATERING ACTIVITIES.
19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRENCH DEWATERING AND EXCAVATION FOR THE INSTALLATION OF SANITARY SEWERS, STORM SEWERS, WATERMAINS AS WELL AS THEIR SERVICES AND OTHER APPURTENANCES. ANY TRENCH DEWATERING, WHICH CONTAINS SEDIMENT SHALL PASS THROUGH A SEDIMENT SETTLING POND OR EQUALLY EFFECTIVE SEDIMENT CONTROL DEVICE. ALTERNATIVES MAY INCLUDE DEWATERING INTO A SUMP PIT, FILTER BAG OR EXISTING VEGETATED UPSLOPE AREA. SEDIMENT LADEN WATERS SHALL NOT BE DISCHARGE TO WATERWAYS, FLOOD PROTECTION AREAS OR THE COMBINED SEWER SYSTEM.
20. ALL PERMANENT EROSION CONTROL PRACTICES SHALL BE INITIATED WITHIN SEVEN (7) DAYS FOLLOWING THE COMPLETION OF SOIL DISTURBING ACTIVITIES.
21. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED AND REPAIRED AS NEEDED ON A YEAR-ROUND BASIS DURING CONSTRUCTION AND ANY PERIODS OF CONSTRUCTION SHUTDOWN UNTIL PERMANENT STABILIZATION IS ACHIEVED.
22. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER PERMANENT SITE STABILIZATION.
23. THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, SITE INSPECTOR, OR MWRD.

FILE NAME =	USER NAME = rwilliams	DESIGNED - JEH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MWRD GENERAL NOTES				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\FORESTPARK\0023\BG130\Civil\NOT02.0023.BG130.sht		DRAWN - JEH	REVISED -						1462	25-00121-00-RS	COOK	49	3
	PLOT SCALE = 113'	CHECKED - JFA	REVISED -		CONTRACT NO. 61L90								
Default	PLOT DATE = 9/9/2025	DATE - 9/9/2025	REVISED -										
				SCALE: N.T.S.	SHEET	OF	SHEETS	STA.	TO STA.				



FILE NAME = N:\FORESTPARK\0023\BG130\Civil1\MWRD.RTE	USER NAME = rwilliams		DESIGNED - RMW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MWRD SEWER ROUTING EXHIBIT			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0023.BG130.sht		DRAWN - RMW	REVISED -					1462	25-00121-00-RS	COOK	49	4
	PLOT SCALE = 1512'		CHECKED - JFA	REVISED -		CONTRACT NO. 61L90			ILLINOIS FED. AID PROJECT				
Default	PLOT DATE = 9/9/2025		DATE - 9/9/2025	REVISED -		SCALE: N.T.S.	SHEET	OF	SHEETS	STA.	TO	STA.	

SUMMARY OF QUANTITIES

SPECIALTY ITEM	ITEM NO.	ITEM	UNIT	CONSTRUCTION TYPE CODE 0005 (80% FEDERAL / 20% LOCAL)	CONSTRUCTION TYPE CODE 0042 (80% FEDERAL / 20% LOCAL)	NON-PARTICIPATING ITEMS (100% LOCAL)
*	20101100	TREE TRUNK PROTECTION	EACH	48		
*	20101200	TREE ROOT PRUNING	EACH	48		
	20200100	EARTH EXCAVATION	CU YD	25		
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	25		
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	859		
	21101645	TOPSOIL FURNISH AND PLACE, 12"	SQ YD	40		
*	21101805	COMPOST FURNISH AND PLACE, 2"	SQ YD	40		
*	25200110	SODDING, SALT TOLERANT	SQ YD	859		
*	25200200	SUPPLEMENTAL WATERING	UNIT	84		
	31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	2,410		
	35101582	AGGREGATE BASE COURSE, TYPE B 2"	SQ YD	45		
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	10,565		
	40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	1.25		
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	240		
	40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	495		
	40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	990		

SPECIALTY ITEM	ITEM NO.	ITEM	UNIT	CONSTRUCTION TYPE CODE 0005 (80% FEDERAL / 20% LOCAL)	CONSTRUCTION TYPE CODE 0042 (80% FEDERAL / 20% LOCAL)	NON-PARTICIPATING ITEMS (100% LOCAL)
	42300300	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH	SQ YD	45		
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	29,641		
	42400800	DETECTABLE WARNINGS	SQ FT	500		
	44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	11,790		
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	45		
	44000300	CURB REMOVAL	FOOT	115		
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1,340		
	44000600	SIDEWALK REMOVAL	SQ FT	27,598		
	44201383	CLASS C PATCHES, TYPE IV, 12 INCH	SQ YD	55		
	44201690	CLASS D PATCHES, TYPE I, 4 INCH	SQ YD	325		
	44201692	CLASS D PATCHES, TYPE II, 4 INCH	SQ YD	325		
	44201694	CLASS D PATCHES, TYPE III, 4 INCH	SQ YD	325		
	44201696	CLASS D PATCHES, TYPE IV, 4 INCH	SQ YD	325		
	44201713	CLASS D PATCHES, TYPE I, 6 INCH	SQ YD	11		
	44201717	CLASS D PATCHES, TYPE II, 6 INCH	SQ YD	117		
	44201721	CLASS D PATCHES, TYPE III, 6 INCH	SQ YD	16		

FILE NAME =	USER NAME = rwilliams	DESIGNED - JEH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\FORESTPARK\0023\B0130\Civil\50002.00	336130.shx	DRAWN - JEH	REVISED -					1462	25-00121-00-R5	COOK	49	6
Default	PLOT SCALE = 80'	CHECKED - JFA	REVISED -		SCALE: N.T.S. SHEET 2 OF 9 SHEETS STA. TO STA.			CONTRACT NO. 61L90				
	PLOT DATE = 9/9/2025	DATE - 9/9/2025	REVISED -					ILLINOIS FED. AID PROJECT				

SPECIALTY ITEM	ITEM NO.	ITEM	UNIT	CONSTRUCTION TYPE CODE 0005 (80% FEDERAL / 20% LOCAL)	CONSTRUCTION TYPE CODE 0042 (80% FEDERAL / 20% LOCAL)	NON-PARTICIPATING ITEMS (100% LOCAL)
	44201723	CLASS D PATCHES, TYPE IV, 6 INCH	SQ YD	1,785		
	44213200	SAW CUTS	FOOT	80		
	44213204	TIE BARS 3/4"	EACH	80		
	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	600		
	55100300	STORM SEWER REMOVAL 8"	FOOT			45
	55100400	STORM SEWER REMOVAL 10"	FOOT			145
	55100500	STORM SEWER REMOVAL 12"	FOOT			325
	55100700	STORM SEWER REMOVAL 15"	FOOT			60
	55100900	STORM SEWER REMOVAL 18"	FOOT			105
*	56100015	DUCTILE IRON WATER MAIN TEE, 8" X 6"	EACH			10
*	56100020	DUCTILE IRON WATER MAIN TEE, 8" X 8"	EACH			15
*	56101148	DUCTILE IRON WATER MAIN REDUCER, 8" X 4"	EACH			4
*	56103000	DUCTILE IRON WATER MAIN 6"	FOOT			140
*	56103100	DUCTILE IRON WATER MAIN 8"	FOOT			3,175
*	56105000	WATER VALVES 8"	EACH			24
*	56109408	DUCTILE IRON WATER MAIN FITTINGS 8" 22.50 DEGREE BEND	EACH			1

SPECIALTY ITEM	ITEM NO.	ITEM	UNIT	CONSTRUCTION TYPE CODE 0005 (80% FEDERAL / 20% LOCAL)	CONSTRUCTION TYPE CODE 0042 (80% FEDERAL / 20% LOCAL)	NON-PARTICIPATING ITEMS (100% LOCAL)
*	56109420	DUCTILE IRON WATER MAIN FITTINGS 8" 45.00 DEGREE BEND	EACH			38
*	56400500	FIRE HYDRANTS TO BE REMOVED	EACH			9
*	56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH			10
	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1		
*	60248900	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH			24
	60266600	VALVE BOXES TO BE ADJUSTED	EACH	1		
	60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	5		
	60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	27		
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	1,340		
	60600605	CONCRETE CURB, TYPE B	FOOT	115		
*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	85		
*	66900530	SOIL DISPOSAL ANALYSIS	EACH	1		
*	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1		
*	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1		
*	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	2		
	67100100	MOBILIZATION	LSUM	1		

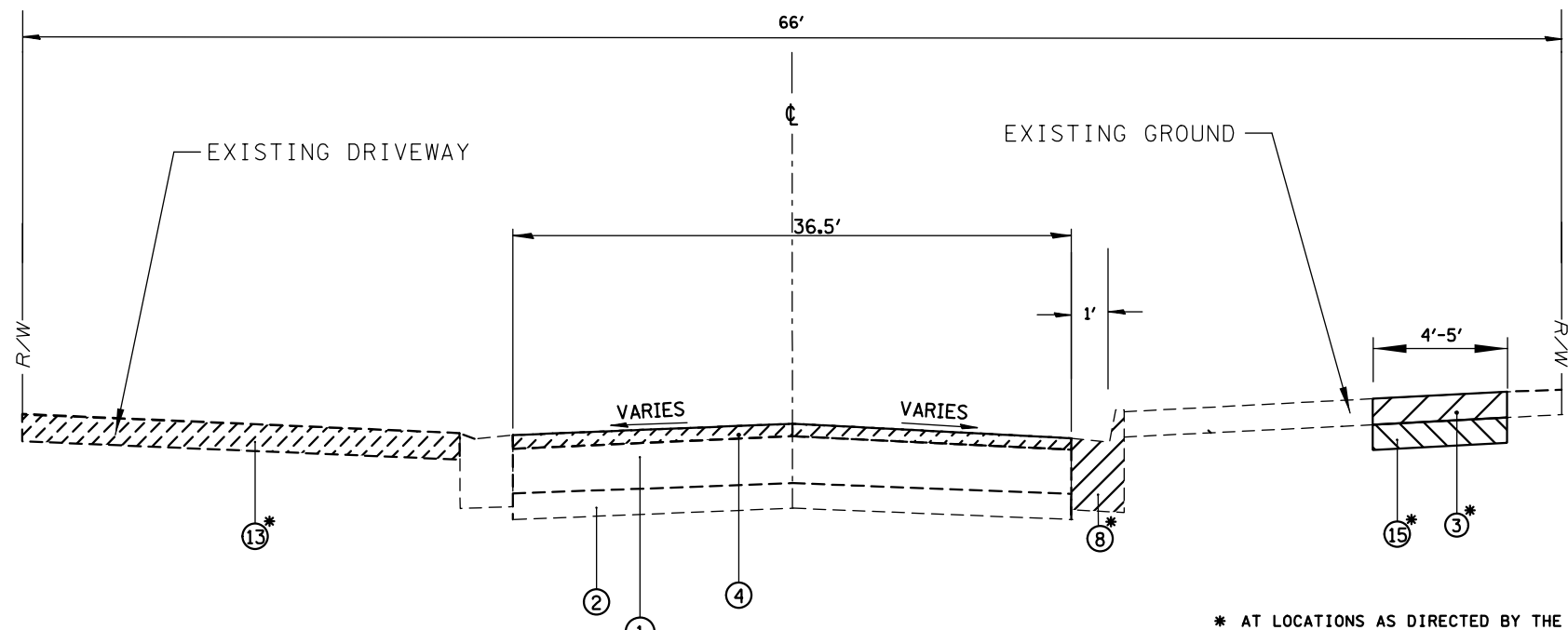
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	PLOT SCALE = 80'	CHECKED -- JFA	REVISED --						CONTRACT NO. 61L90			
Default	PLOT DATE = 9/12/2025	DATE -- 9/12/2025	REVISED --		SCALE: N.T.S.	SHEET 4	OF 9 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

SPECIALTY ITEM	ITEM NO.	ITEM	UNIT	CONSTRUCTION TYPE CODE 0005 (80% FEDERAL / 20% LOCAL)	CONSTRUCTION TYPE CODE 0042 (80% FEDERAL / 20% LOCAL)	NON-PARTICIPATING ITEMS (100% LOCAL)
	70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	LSUM	1		
	70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	LSUM	1		
	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	LSUM	1		
	70107025	CHANGEABLE MESSAGE SIGN	CAL DA	105		
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	1,085		
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	365		
*	72000100	SIGN PANEL - TYPE 1	SQ FT	167		
*	72000200	SIGN PANEL - TYPE 2	SQ FT	10		
	72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	12		
	72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	4		
	72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	53		
*	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	70		
*	72900100	METAL POST - TYPE A	FOOT	147		
*	73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	14		
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	149		
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	7503		

SPECIALTY ITEM	ITEM NO.	ITEM	UNIT	CONSTRUCTION TYPE CODE 0005 (80% FEDERAL / 20% LOCAL)	CONSTRUCTION TYPE CODE 0042 (80% FEDERAL / 20% LOCAL)	NON-PARTICIPATING ITEMS (100% LOCAL)
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	2088		
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	396		
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	266		
*	87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	120		
*	88600100	DETECTOR LOOP, TYPE 1	FOOT	100		
*	89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	120		
*	K0036117	MULCH PLACEMENT 2"	SQ YD	50		
*	K1004595	PRUNING FOR SAFETY AND EQUIPMENT CLEARANCE	L SUM	1		
*	K0012990	PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT	UNIT	0.91		
*	XX002136	PRESSURE CONNECTION	EACH			1
*	XX006243	WATER SERVICE INSTALL, 1" COMPLETE	EACH			13
*	XX006244	WATER SERVICE INSTALL, 2" COMPLETE	EACH			1
*	XX007762	SHUT DOWN CONNECTION	EACH			14
*	XX008945	WATER VALVES TO BE REMOVED	EACH			19
	X0326862	STRUCTURES TO BE ADJUSTED	EACH	23		
*	X0326859	PAVEMENT IMPRINTING	SQ YD	545		

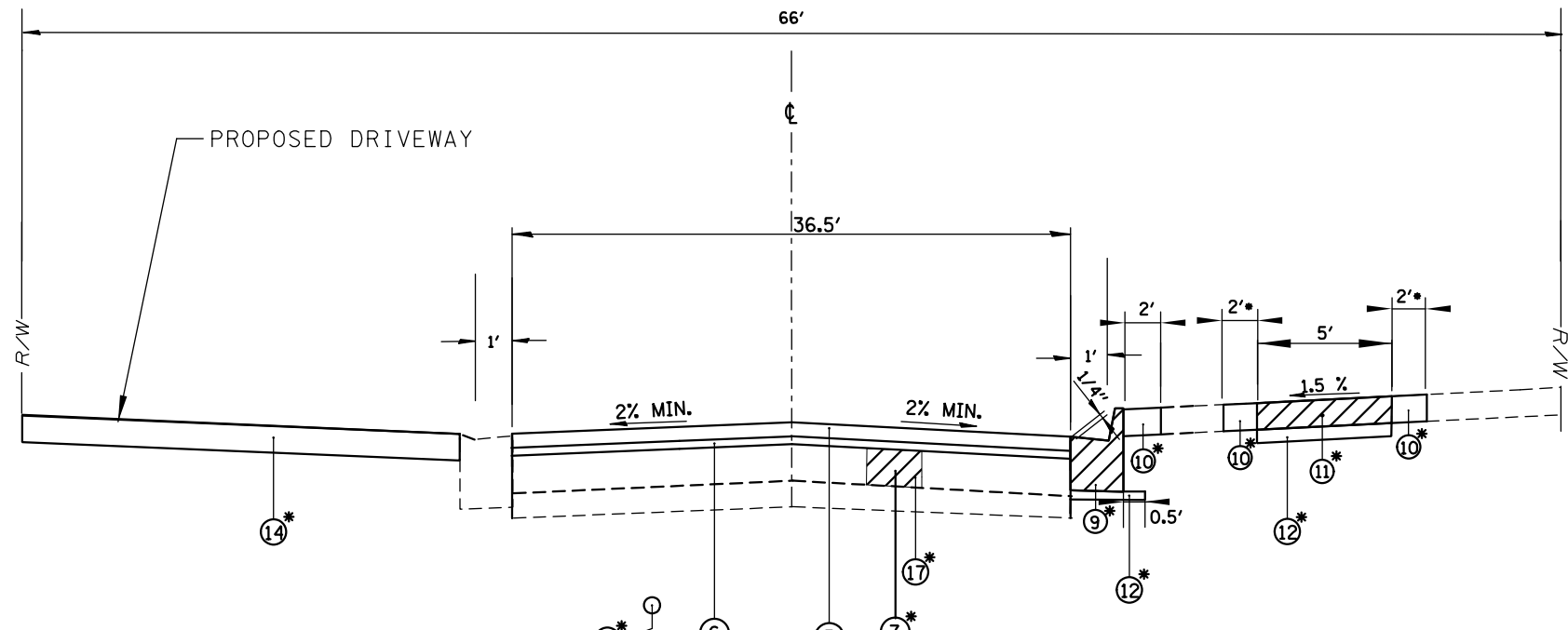
SPECIALTY ITEM	ITEM NO.	ITEM	UNIT	CONSTRUCTION TYPE CODE 0005 (80% FEDERAL / 20% LOCAL)	CONSTRUCTION TYPE CODE 0042 (80% FEDERAL / 20% LOCAL)	NON-PARTICIPATING ITEMS (100% LOCAL)
	X0328034	AS-BUILT DRAWINGS	L. SUM			1
	X2080250	TRENCH BACKFILL (SPECIAL)	CU YD	5,350		
*	X2600020	DELINEATOR SYSTEM	EACH	14		
	X4406816	PORTLAND CEMENT CONCRETE SURFACE REMOVAL 2"	SQ YD	50		
	X4420486	CLASS D PATCHES, TYPE IV, 6 INCH (SPECIAL)	SQ YD	55		
*	X5430218	CURED-IN-PLACE PIPE LINER, 18"	FOOT			200
*	X5510208	COMBINED SEWER REMOVAL 8"	FOOT			35
*	X5510212	COMBINED SEWER REMOVAL 12"	FOOT			290
*	X5510215	COMBINED SEWER REMOVAL 15"	FOOT			45
*	X5510218	COMBINED SEWER REMOVAL 18"	FOOT			30
*	X5510224	COMBINED SEWER REMOVAL 24"	FOOT			220
*	X5510230	COMBINED SEWER REMOVAL 30"	FOOT			20
*	X5510242	COMBINED SEWER REMOVAL 42"	FOOT			14
*	X5620120	INSTALL WATER SERVICE COMPLETE	EACH			1
*	X5610644	PLUG WATER MAIN 4"	EACH			4
*	X5610647	PLUG WATER MAIN 8"	EACH			10

SPECIALTY ITEM	ITEM NO.	ITEM	UNIT	CONSTRUCTION TYPE CODE 0005 (80% FEDERAL / 20% LOCAL)	CONSTRUCTION TYPE CODE 0042 (80% FEDERAL / 20% LOCAL)	NON-PARTICIPATING ITEMS (100% LOCAL)
	Z0076600	TRAINEES	HOUR		500	
	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR		500	
*	XX009735	PIPE (SPECIAL), 12"	FOOT			290
*	XX009736	PIPE (SPECIAL), 15"	FOOT			45
*	XX009737	PIPE (SPECIAL), 18"	FOOT			30
*	XX009738	PIPE (SPECIAL), 24"	FOOT			220
*	XX009739	PIPE (SPECIAL), 30"	FOOT			20
*	XX009740	PIPE (SPECIAL), 42"	FOOT			14



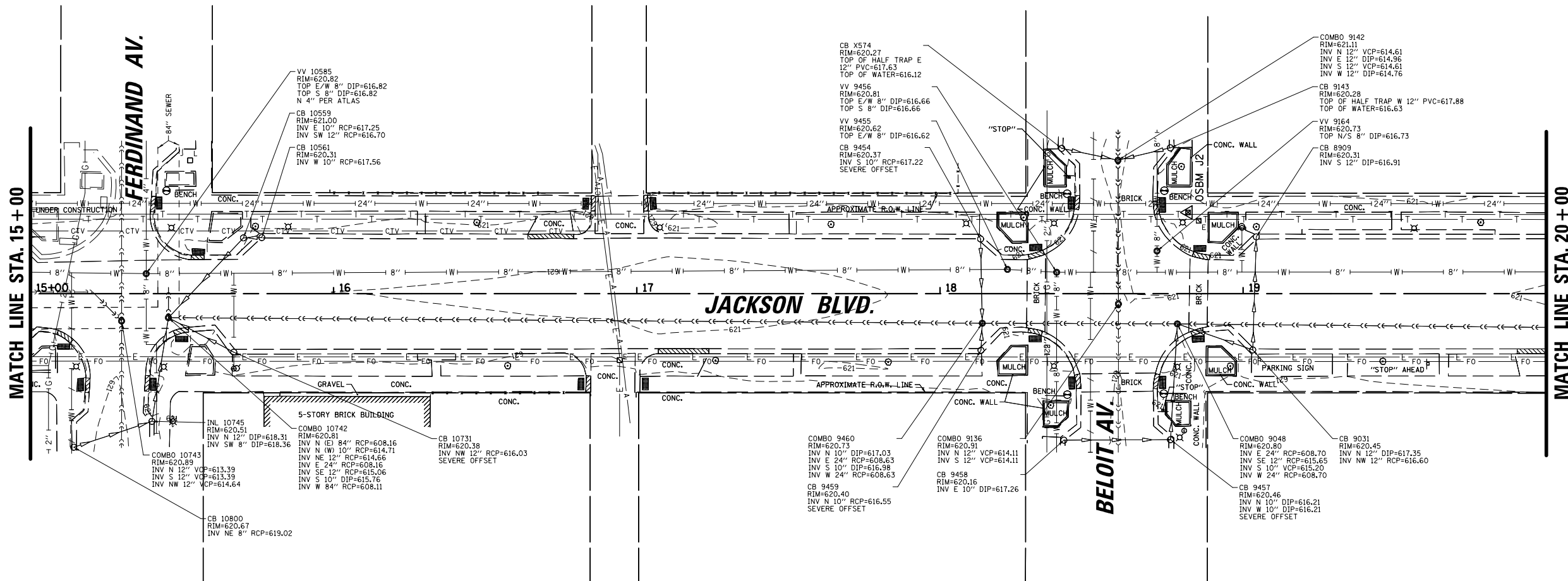
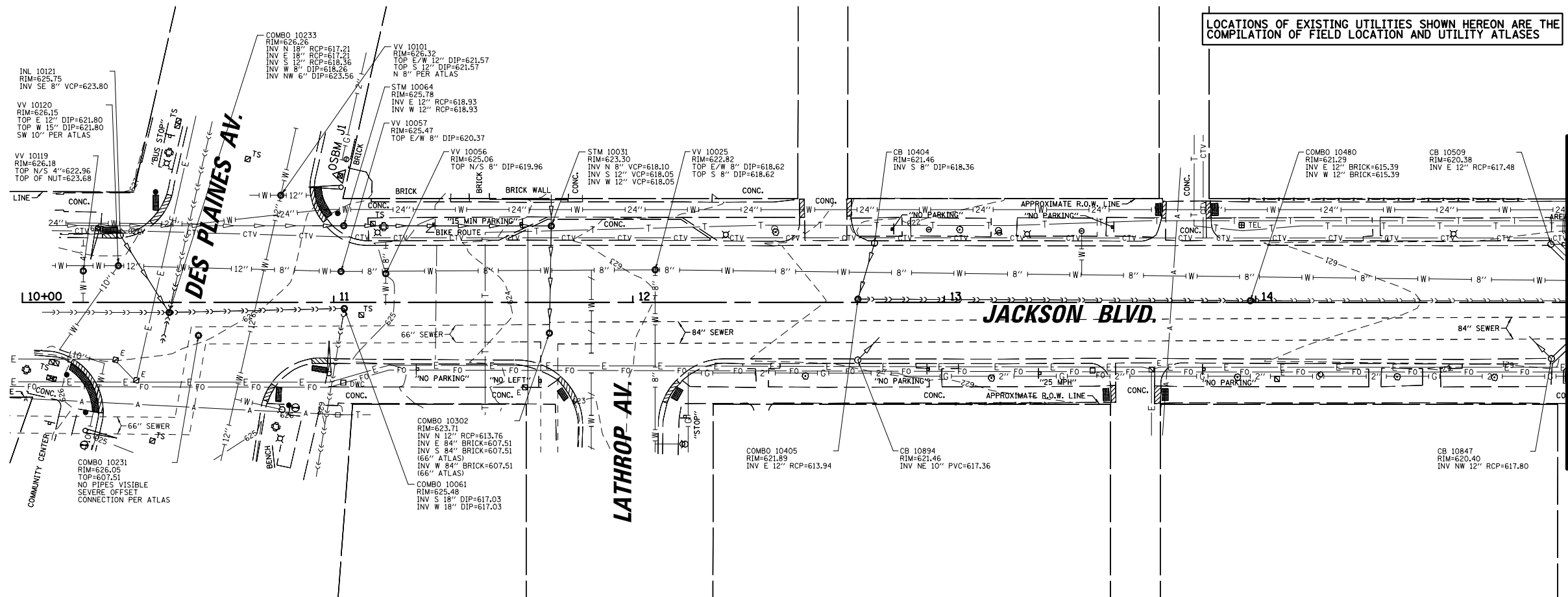
RESURFACING ITEM	AIR Voids @ Ndes	QMP
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL-9.5 mm), 1.5" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 0.75"	4% @ 50 GYR. 3.5% @ 50 GYR.	LR 1030-2 LR 1030-2
PATCHING ITEMS		
CLASS D PATCHES, TYPE I-IV (HMA BINDER IL-19.0)	4% @ 70 GYR.	LR 1030-2
CLASS D PATCHES, TYPE IV, 6 INCH (SPECIAL): HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70 - 2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0 - 4"	4% @ 70 GYR.	LR 1030-2
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) PER LR 1030-2		

- MIXTURE REQUIREMENT NOTES:
- THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE IS 112 LBS/SY/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 RECLAIMED MATERIAL SPECIFICATIONS.
- NOTES:
- PAVING OF THE FULL ROADWAY WIDTH SHALL BE COMPLETED AT THE END OF EACH DAY OF PAVING TO PREVENT A LONGITUDINAL COLD JOINT FROM APPEARING WHEN OPPOSITE SIDES OF THE ROAD ARE PAVED ON DIFFERENT DAYS. THE CONTRACTOR SHALL ALSO ENSURE THAT AT THE END OF EACH DAY EACH PASS ENDS AT APPROXIMATELY THE SAME STATION TO PREVENT A COLD JOINT.
 - PAVEMENT PATCHING SHALL BE DONE AFTER ROADWAY MILLING AS PER BD-22 DETAIL.

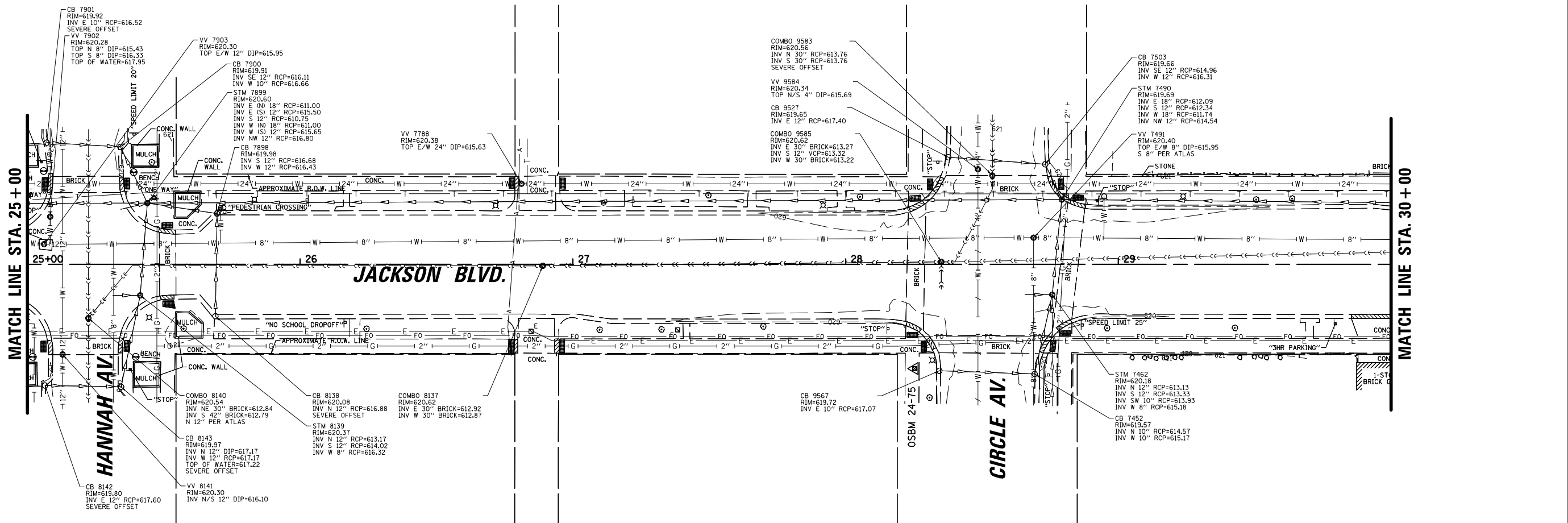
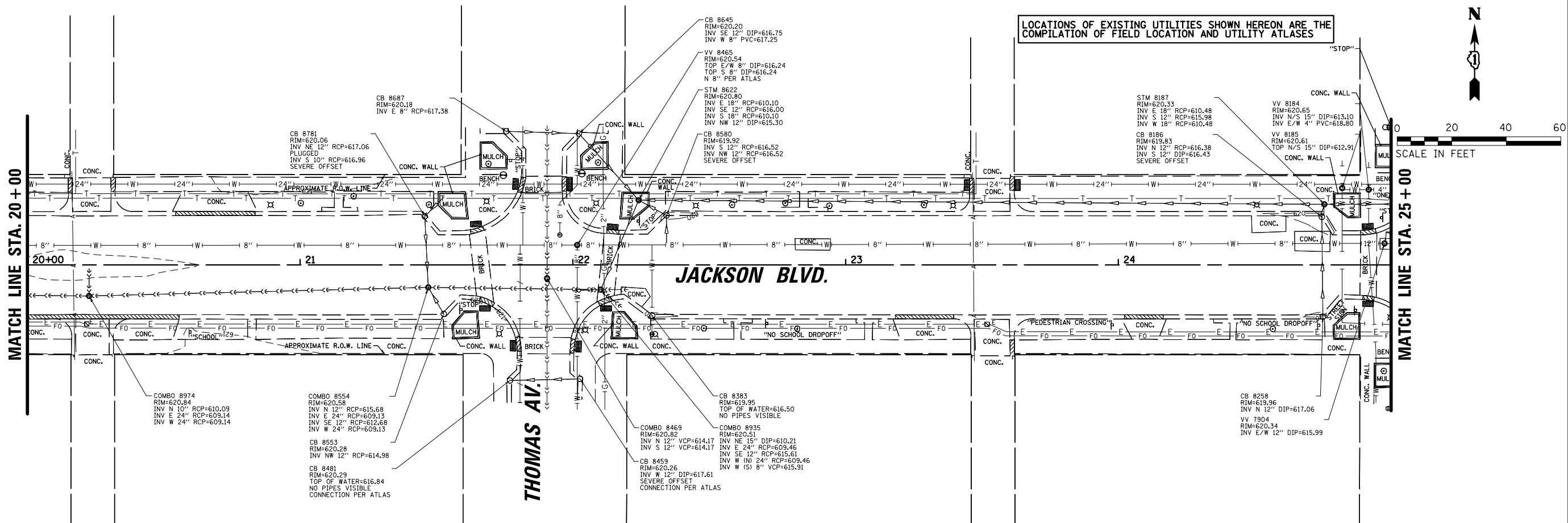


- LEGEND:
- 1 EXISTING HOT-MIX ASPHALT PAVEMENT (2.5"-8.5")
 - 2 EXISTING AGGREGATE SUBBASE
 - 3 EXISTING PCC SIDEWALK/SIDEWALK REMOVAL
 - 4 HOT-MIX ASPHALT SURFACE REMOVAL, 2"
 - 5 HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 - 1.5"
 - 6 POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50 - 0.75"
 - 7 CLASS D PATCHES, TYPE I-IV, 4 INCH
 - 8 COMBINATION CURB AND GUTTER REMOVAL
 - 9 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
 - 10 TOPSOIL FURNISH AND PLACE, 4" & SODDING, SALT TOLERANT
 - 11 PCC SIDEWALK 5 INCH (AS DETERMINED BY ENGINEER IN FIELD)
 - 12 SUBBASE GRANULAR MATERIAL, TYPE B 4"
 - 13 DRIVEWAY PAVEMENT REMOVAL
 - 14 PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH
 - 15 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
 - 16 DUCTILE IRON WATER MAIN 8"
 - 17 CLASS D PATCHES, TYPE IV, 6 INCH/CLASS D PATCHES, TYPE IV, 6 INCH (SPECIAL)

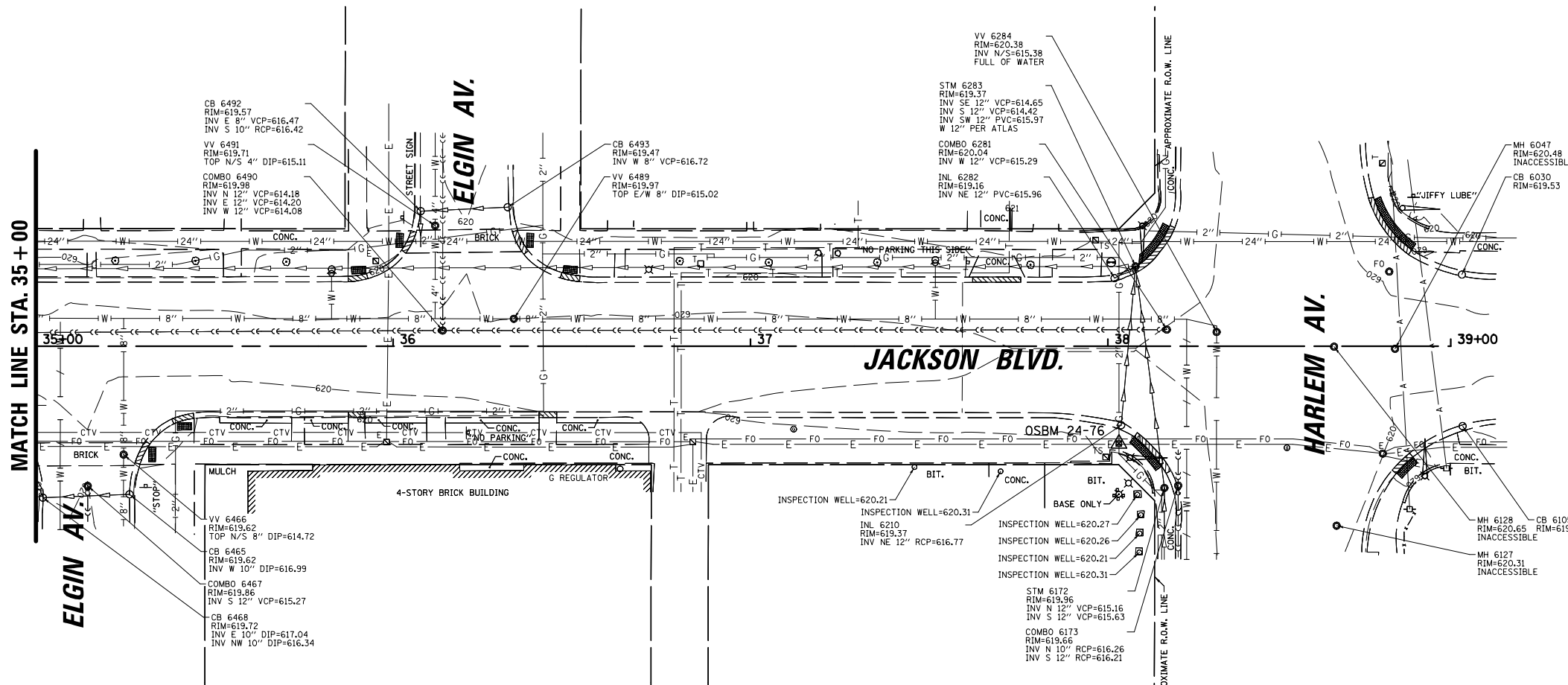
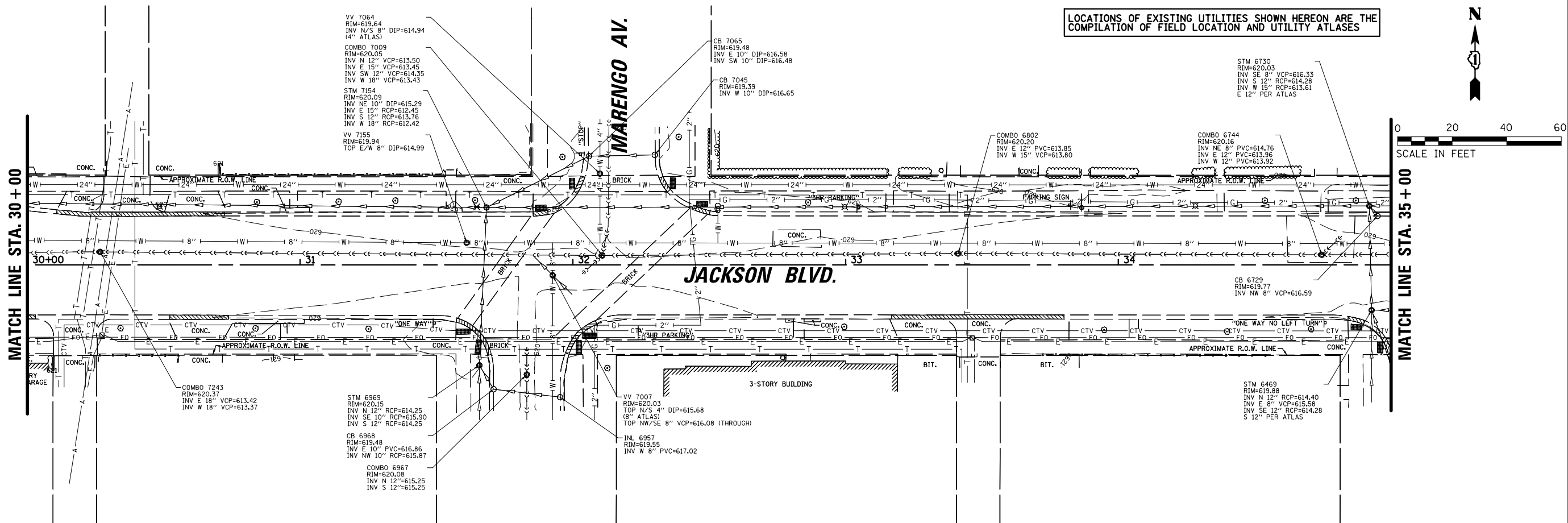
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Default	PLOT SCALE = 80'	CHECKED - JFA	REVISED -		SCALE: N.T.S.		SHEET	OF 10 SHEETS	STA. 11+10.86	TO STA. 36+55.51	CONTRACT NO. 61L90			
	PLOT DATE = 9/9/2025	DATE - 9/9/2025	REVISED -								ILLINOIS FED. AID PROJECT			



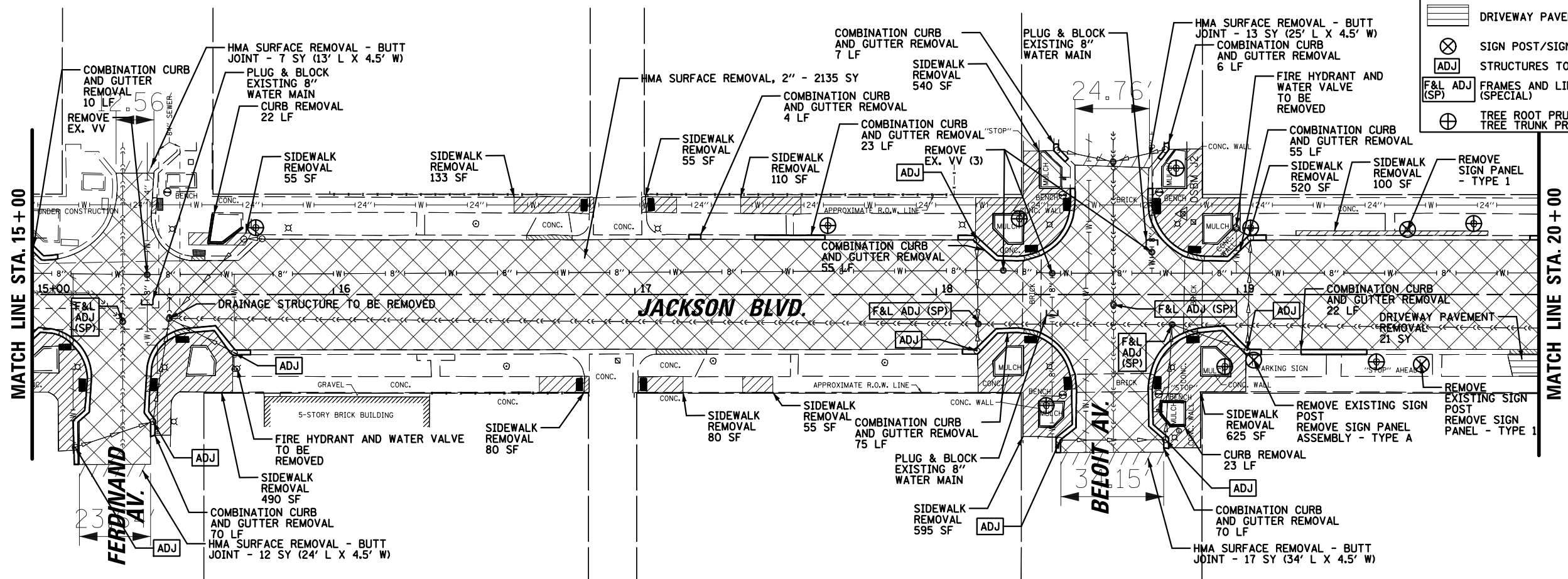
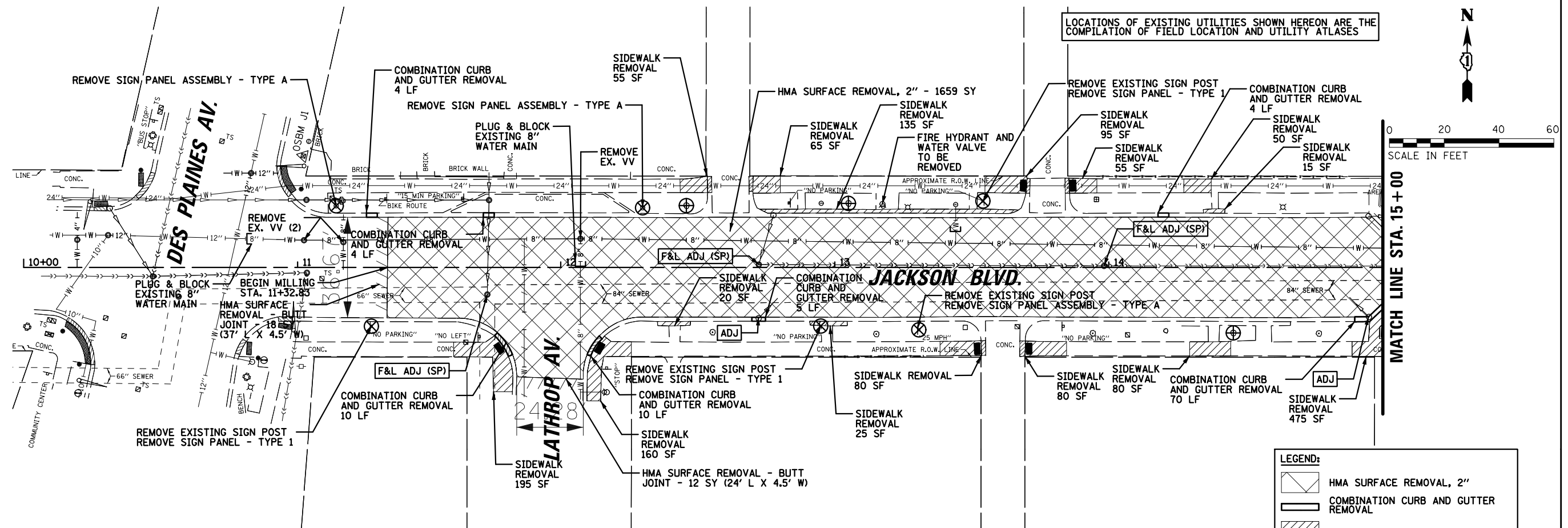
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		DRAWN - RMW	REVISED -					1462	25-00121-00-RS	COOK	49	15
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		DRAWN - RMW	REVISED -					1462	25-00121-00-RS	COOK	49	16
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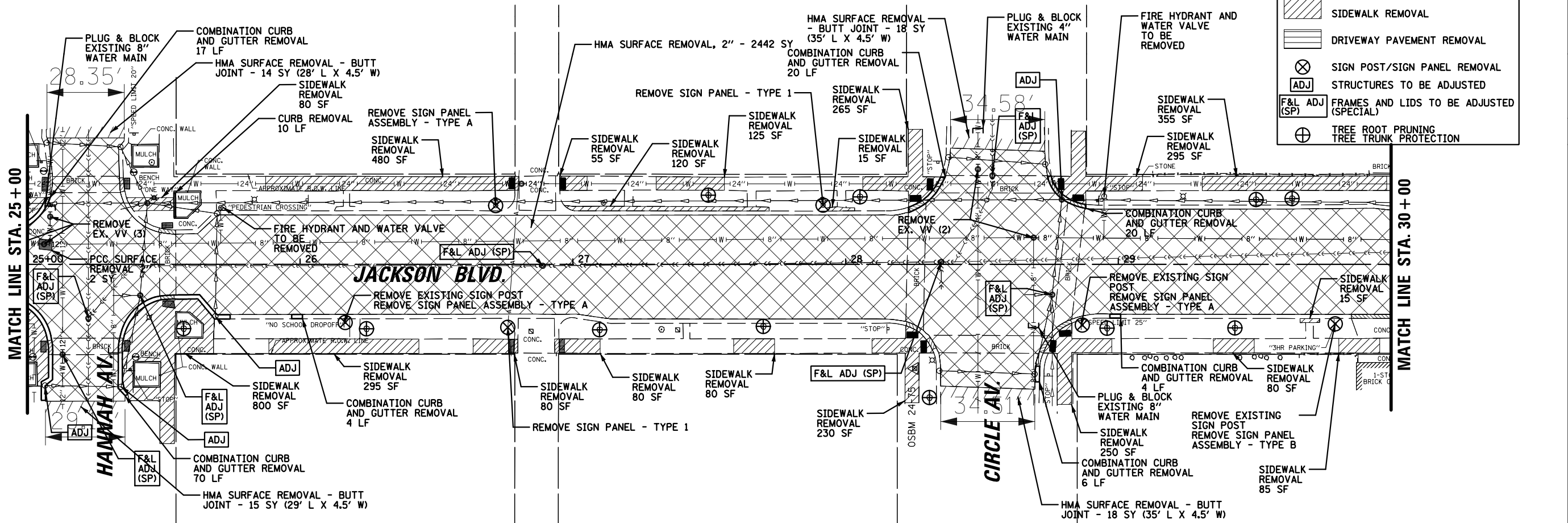
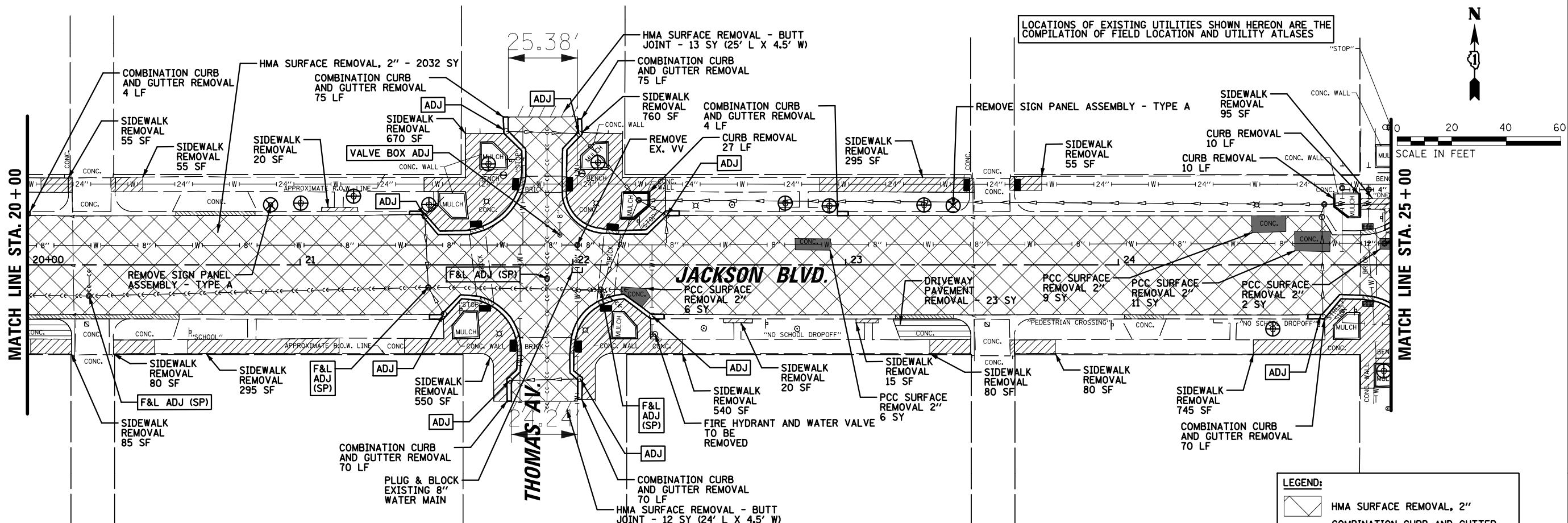


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		DRAWN - RMW	REVISED -					1462	25-00121-00-RS	COOK	49	17
		CHECKED - JFA	REVISED -		SCALE: 20' SHEET OF SHEETS STA. 30+00.00 TO STA. 39+00.00			CONTRACT NO. 61L90				
		DATE - 9/9/2025	REVISED -					ILLINOIS FED. AID PROJECT				



LEGEND:	
	HMA SURFACE REMOVAL, 2"
	COMBINATION CURB AND GUTTER REMOVAL
	SIDEWALK REMOVAL
	DRIVEWAY PAVEMENT REMOVAL
	SIGN POST/SIGN PANEL REMOVAL
	STRUCTURES TO BE ADJUSTED
	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)
	TREE ROOT PRUNING TREE TRUNK PROTECTION

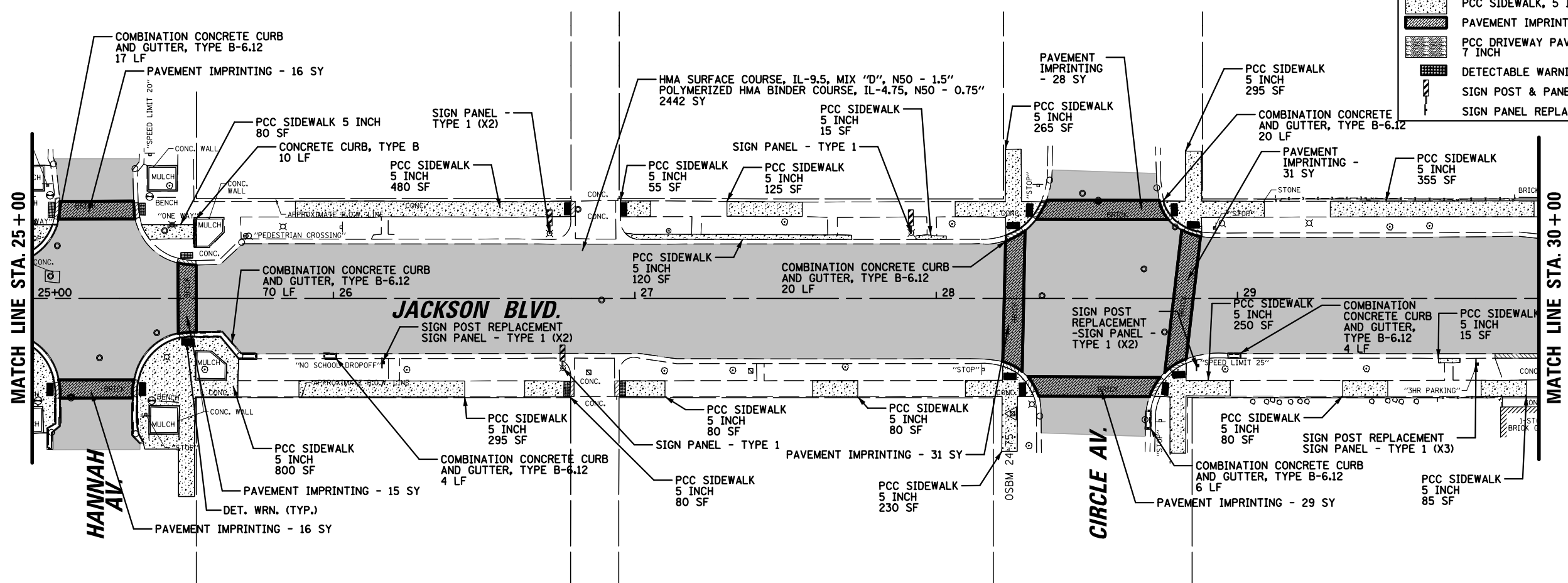
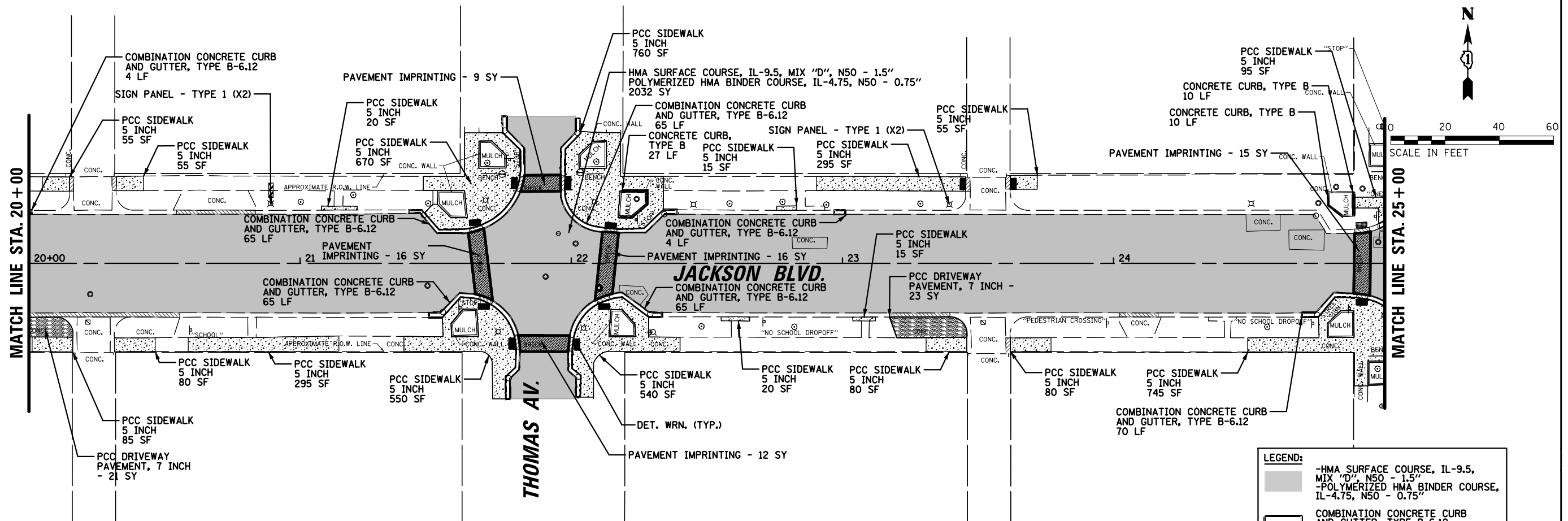
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		DRAWN - RMW	REVISED - _____							1462	25-00121-00-RS	COOK	49	18
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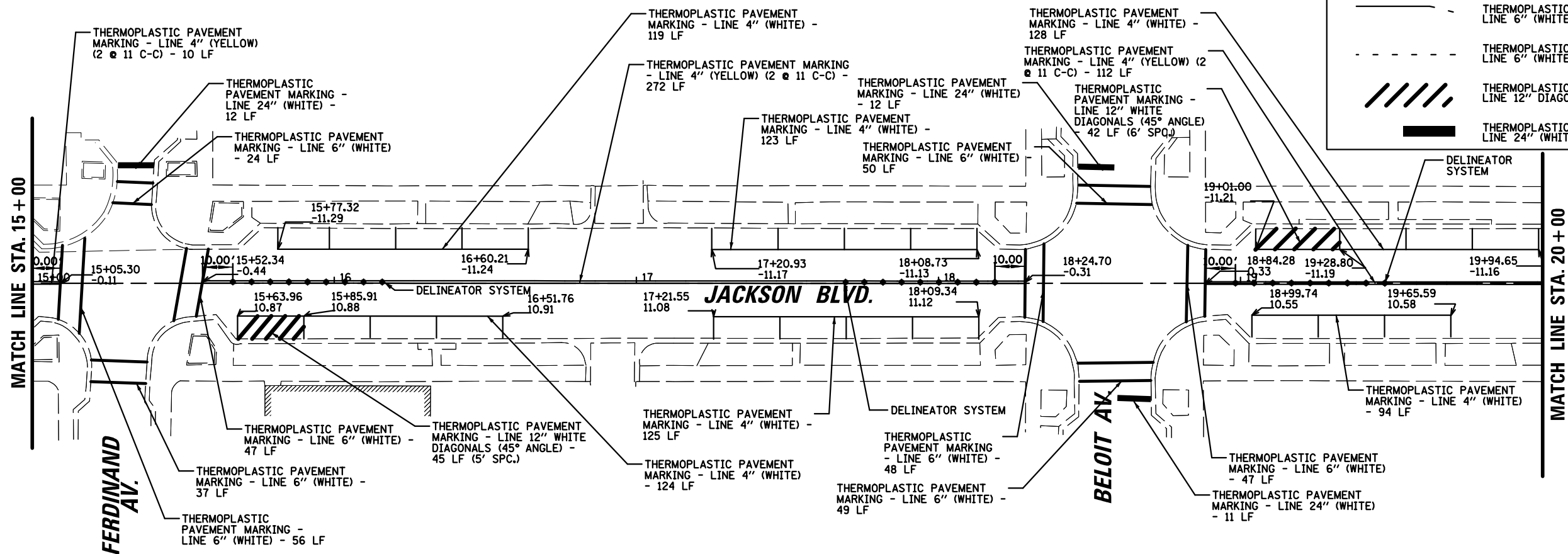
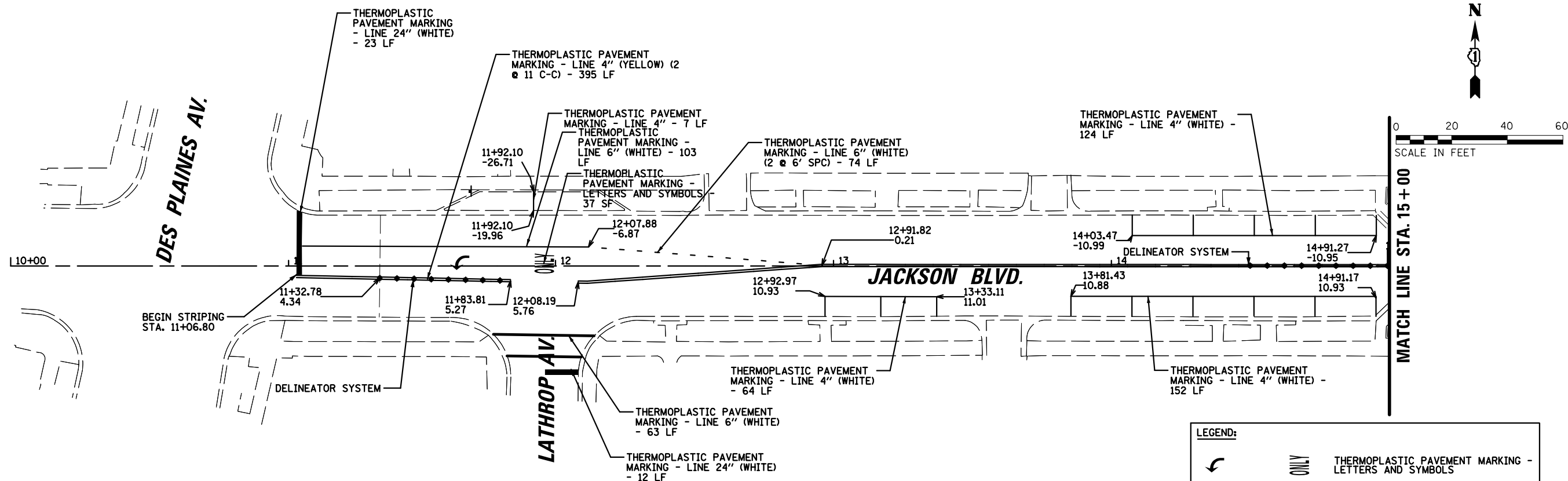
LEGEND:

- HMA SURFACE REMOVAL, 2"
- COMBINATION CURB AND GUTTER REMOVAL
- SIDEWALK REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- SIGN POST/SIGN PANEL REMOVAL
- STRUCTURES TO BE ADJUSTED
- FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)
- TREE ROOT PRUNING
- TREE TRUNK PROTECTION

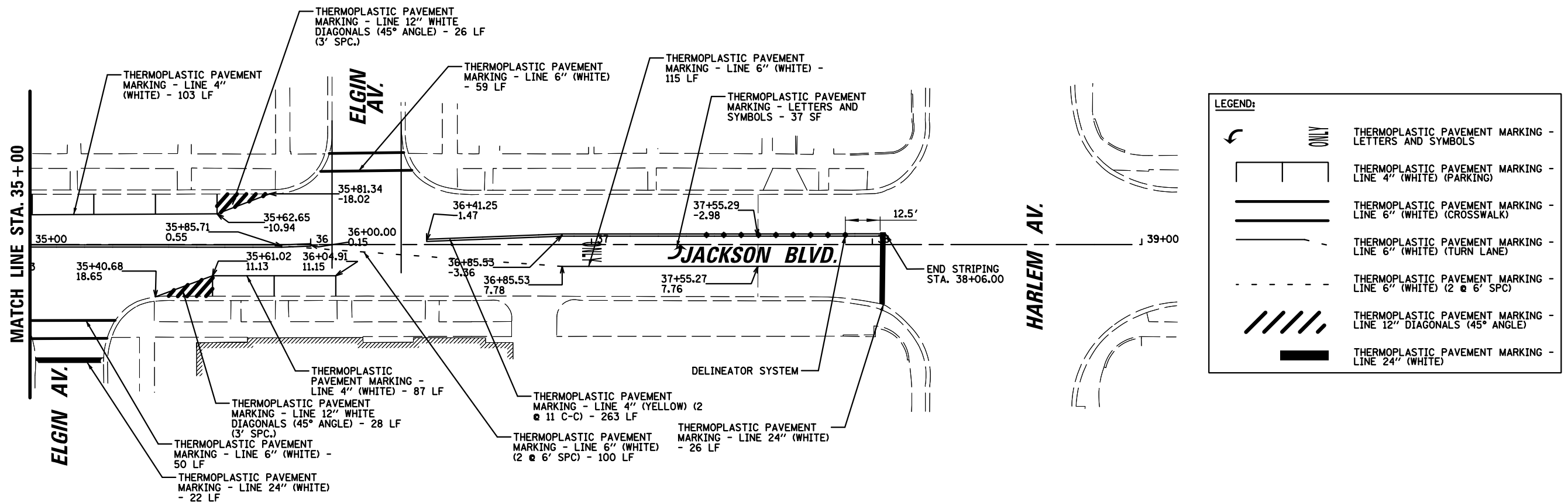
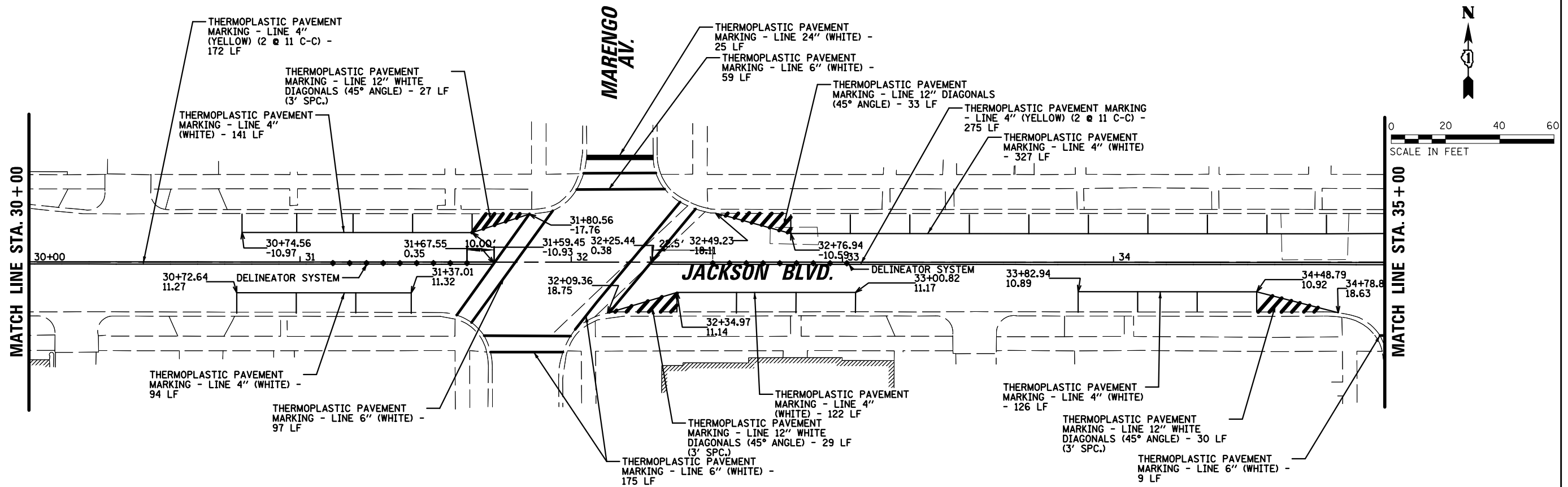
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Default	PLOT DATE = 9/9/2025	DATE - 9/9/2025	REVISED - _____												
				SCALE: 20'	SHEET	OF	SHEETS	STA. 20+00.00	TO STA. 30+00.00	ILLINOIS FED. AID PROJECT					



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	PLOT DATE = 9/9/2025	DATE - 9/9/2025	REVISED - _____		ILLINOIS FED. AID PROJECT									
				SCALE: 20'	SHEET	OF	SHEETS	STA. 20+00.00	TO STA. 30+00.00					



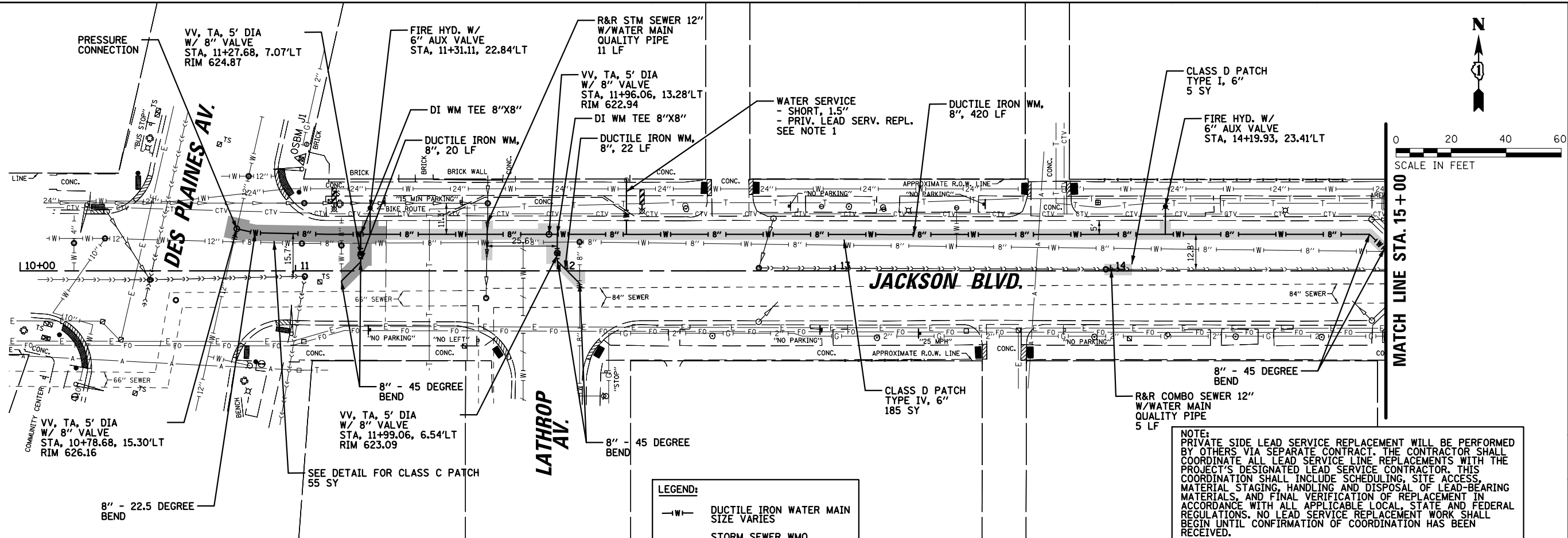
FILE NAME =	USER NAME = rwilliams	DESIGNED - RMW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING PLAN			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\FORESTPARK\0023\BG130\Civil\PMK01.0023.BG130.sht		DRAWN - RMW	REVISED -					1462	25-00121-00-RS	COOK	49	24
PLOT SCALE = 48"		CHECKED - JFA	REVISED -					CONTRACT NO. 61L90				
Default	PLOT DATE = 9/9/2025	DATE - 9/9/2025	REVISED -		SCALE: 20'	SHEET	OF	SHEETS	STA. 10+00.00	TO STA. 20+00.00	ILLINOIS FED. AID PROJECT	



FILE NAME =	USER NAME = rwilliams	DESIGNED - RMW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING PLAN			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\FORESTPARK\0023\BG130\Civil\PMK03.0023.BG130.sht		DRAWN - RMW	REVISED -					1462	25-00121-00-RS	COOK	49	26
PLOT SCALE = 48"		CHECKED - JFA	REVISED -					CONTRACT NO. 61L90				
Default	PLOT DATE = 9/9/2025	DATE - 9/9/2025	REVISED -		SCALE: 20'	SHEET	OF	SHEETS	STA. 30+00.00	TO STA. 39+00.00	ILLINOIS FED. AID PROJECT	

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

LOCATIONS OF EXISTING UTILITIES SHOWN HEREON ARE THE
COMPILATION OF FIELD LOCATION AND UTILITY ATLASES



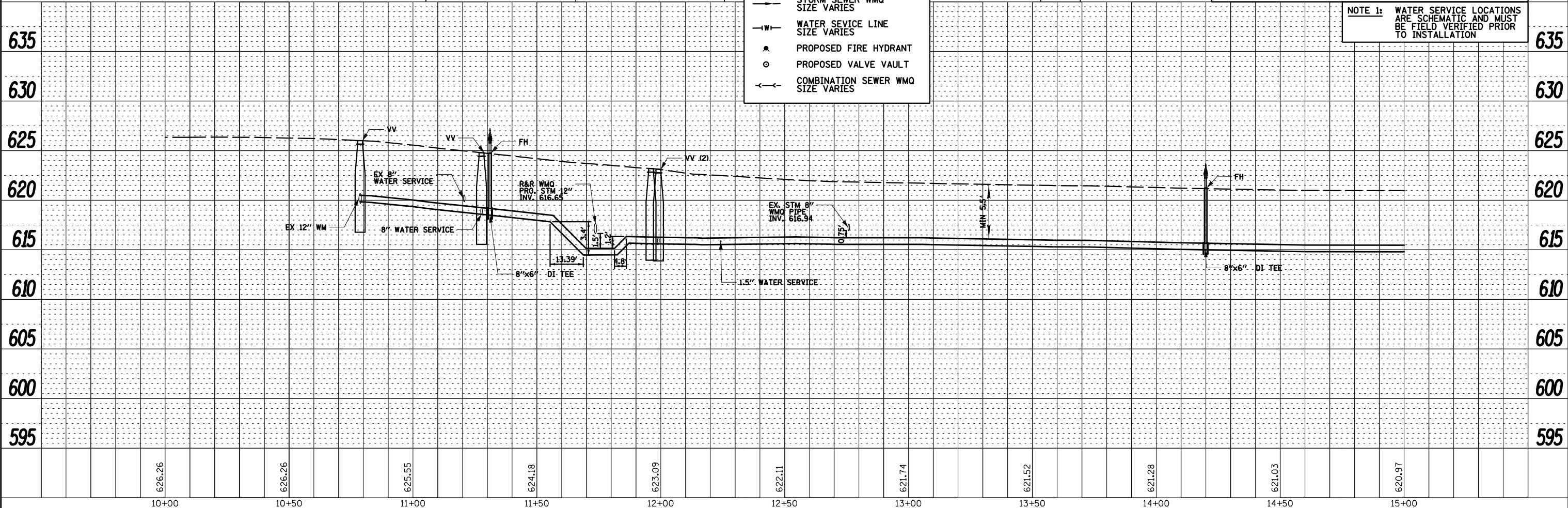
LEGEND:

- W— DUCTILE IRON WATER MAIN
SIZE VARIES
- S— STORM SEWER WMQ
SIZE VARIES
- W— WATER SERVICE LINE
SIZE VARIES
- PROPOSED FIRE HYDRANT
- PROPOSED VALVE VAULT
- C— COMBINATION SEWER WMQ
SIZE VARIES

NOTE:
PRIVATE SIDE LEAD SERVICE REPLACEMENT WILL BE PERFORMED BY OTHERS VIA SEPARATE CONTRACT. THE CONTRACTOR SHALL COORDINATE ALL LEAD SERVICE LINE REPLACEMENTS WITH THE PROJECT'S DESIGNATED LEAD SERVICE CONTRACTOR. THIS COORDINATION SHALL INCLUDE SCHEDULING, SITE ACCESS, MATERIAL STAGING, HANDLING AND DISPOSAL OF LEAD-BEARING MATERIALS, AND FINAL VERIFICATION OF REPLACEMENT IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS. NO LEAD SERVICE REPLACEMENT WORK SHALL BEGIN UNTIL CONFIRMATION OF COORDINATION HAS BEEN RECEIVED.

NOTE 1: WATER SERVICE LOCATIONS ARE SCHEMATIC AND MUST BE FIELD VERIFIED PRIOR TO INSTALLATION

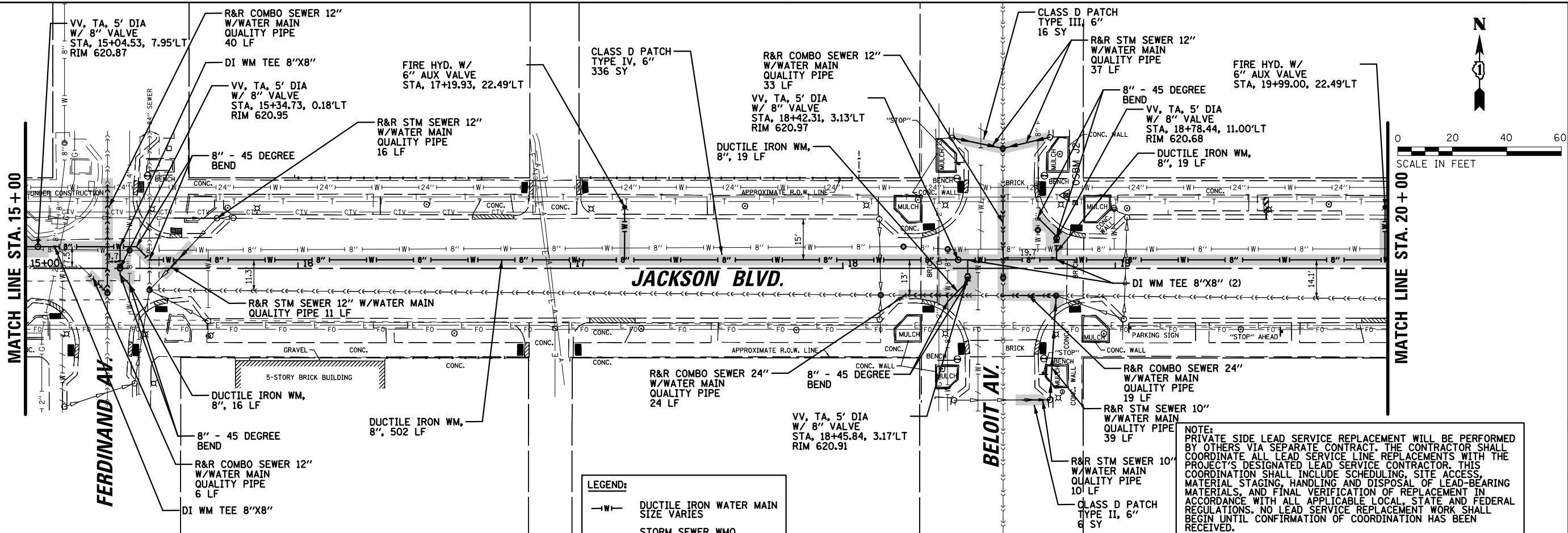
PROFILE	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
CHECKED			
STRUCTURE NOTATION CHKD			



FILE NAME = N:\FORESTPARK\0023\BG130\Civil\RPP01.0023	USER NAME = rwilliams	DESIGNED - RMW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED WATERMAIN PLAN & PROFILE				F.A.U. RTE. 1462	SECTION 25-00121-00-RS	COUNTY COOK	TOTAL SHEETS 49	SHEET NO. 27
Default	PLOT SCALE = 48"	CHECKED - JFA	REVISED -		SCALE: 20'	SHEET	OF	SHEETS	STA. 10+00.00	TO STA. 15+00.00	CONTRACT NO. 61L90		
	PLOT DATE = 9/9/2025	DATE - 9/9/2025	REVISED -		ILLINOIS FED. AID PROJECT								

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	DESIGNED		
	FILE NAME		
	NO.		

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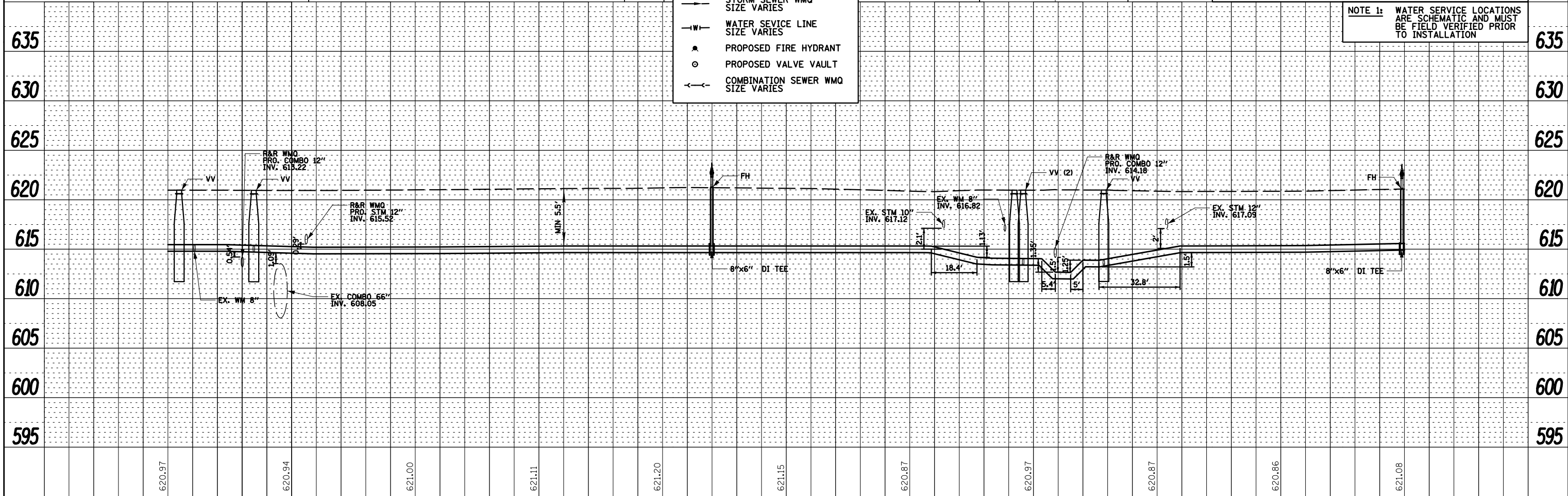
LEGEND:

- W— DUCTILE IRON WATER MAIN
SIZE VARIES
- S— STORM SEWER WMQ
SIZE VARIES
- W— WATER SEVICE LINE
SIZE VARIES
- ★ PROPOSED FIRE HYDRANT
- PROPOSED VALVE VAULT
- C— COMBINATION SEWER WMQ
SIZE VARIES

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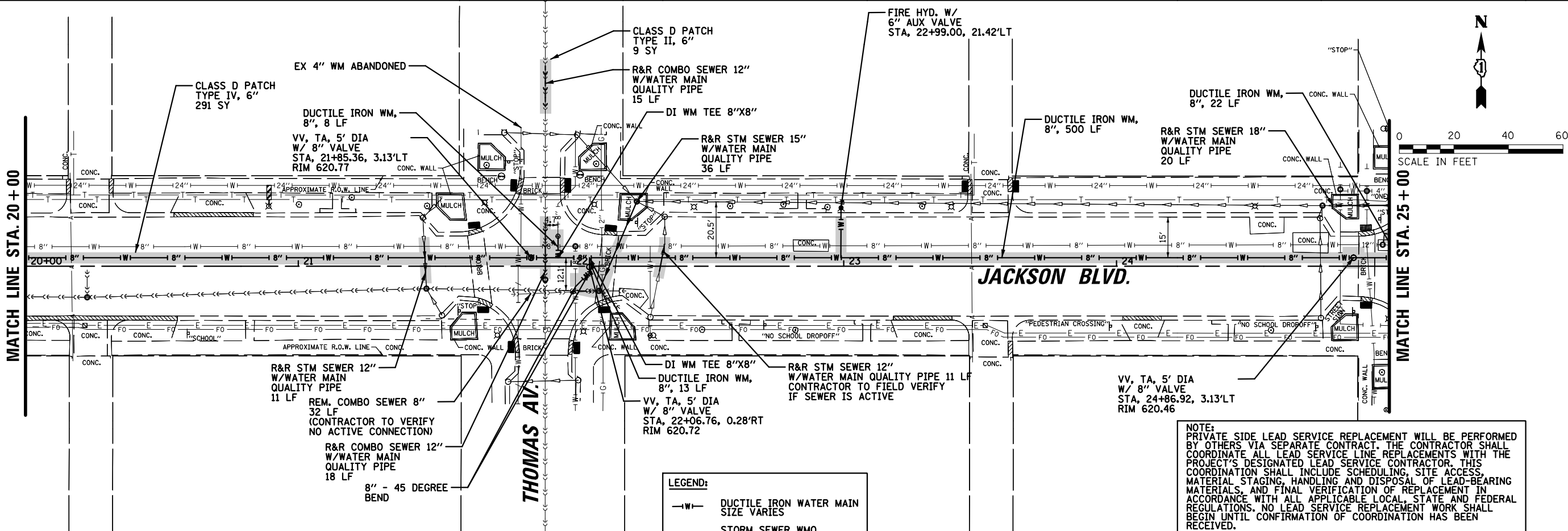
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	PLOTTED		
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	DESIGNED		
	FILE NAME		
	NO.		



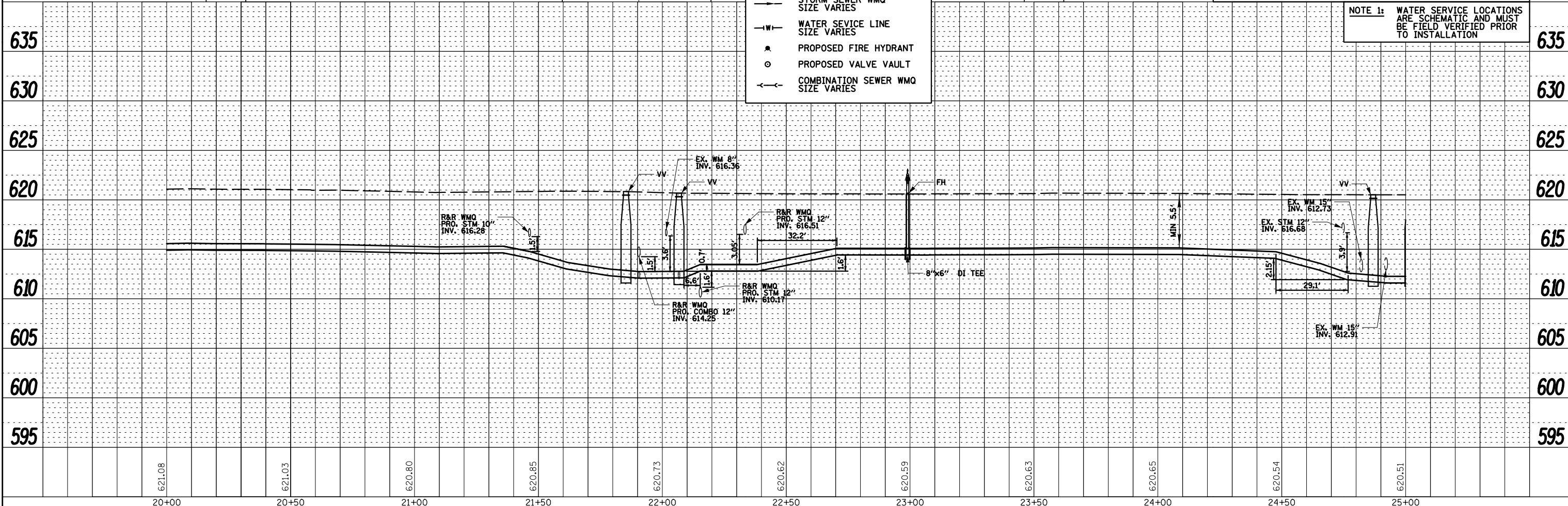
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N:\FORESTPARK\0023\BG130\Civil\RP002.0023	BG130 -WM.sht	DRAWN - RMW	REVISED - _____		1462	25-00121-00-RS	COOK	49	28				
Default	PLOT SCALE = 48'	CHECKED - JFA	REVISED - _____		CONTRACT NO. 61L90				ILLINOIS FED. AID PROJECT				
	PLOT DATE = 9/9/2025	DATE - 9/9/2025	REVISED - _____		SCALE: 20'	SHEET	OF	SHEETS	STA. 15+00.00	TO STA. 20+00.00			

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

LOCATIONS OF EXISTING UTILITIES SHOWN HEREON ARE THE
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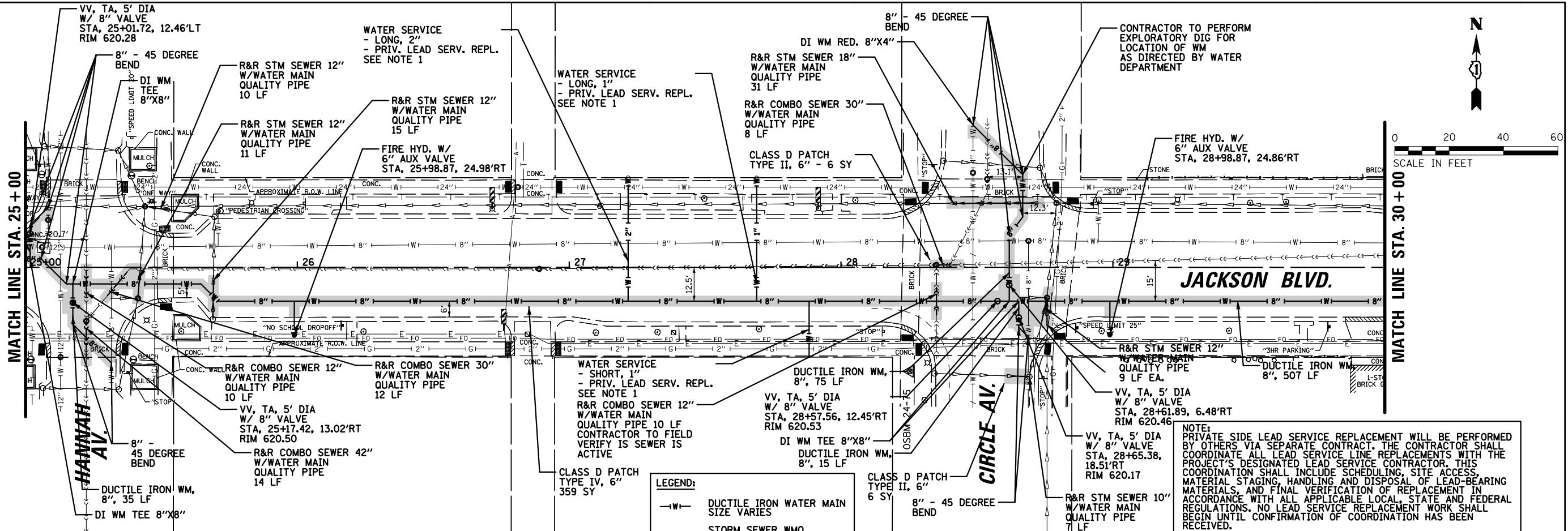
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	PLOTTED		
	CHECKED		
	STRUCTURE		
NOTE BOOK NO.	NOTATIS CHKD		



FILE NAME =	USER NAME = rwilliams	DESIGNED - RMW	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED WATERMAIN PLAN & PROFILE				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\FORESTPARK\0023\BG130\Civil\VRPP03.0023	BG130 -WM.sht	DRAWN - RMW	REVISED - _____		1462	25-00121-00-RS	COOK	49	29				
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	PLOT DATE = 9/9/2025	DATE - 9/9/2025	REVISED - _____		SCALE: 20'	SHEET	OF	SHEETS	STA. 20+00.00	TO STA. 25+00.00	ILLINOIS FED. AID PROJECT		

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

LOCATIONS OF EXISTING UTILITIES SHOWN HEREON ARE THE
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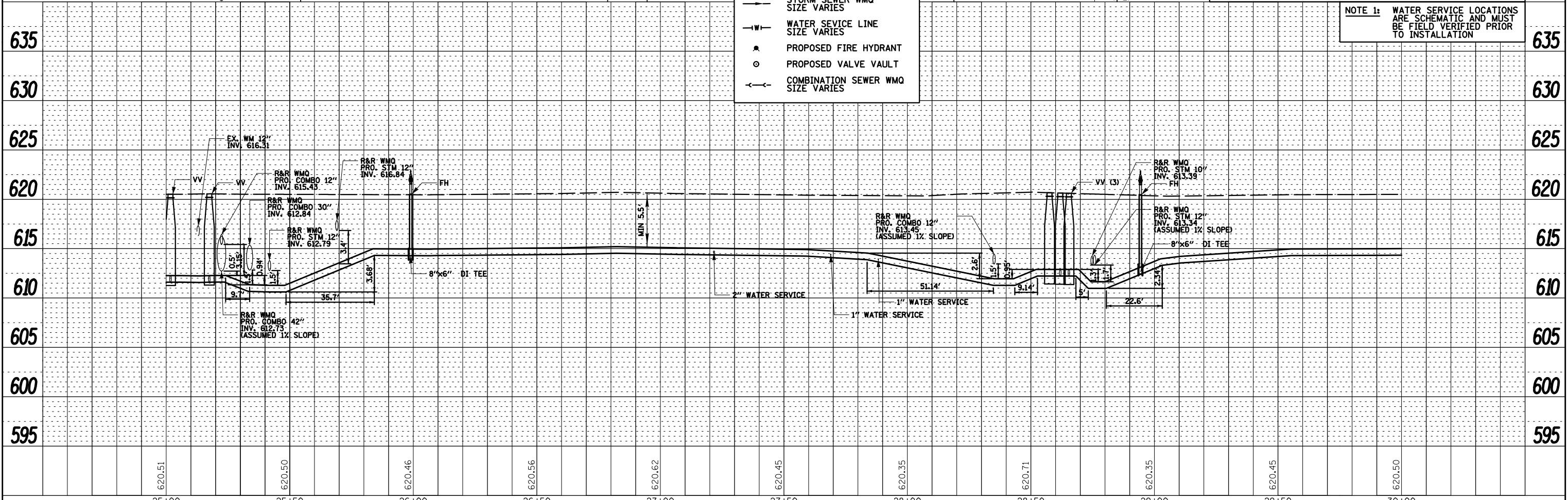


- LEGEND:
- W— DUCTILE IRON WATER MAIN
SIZE VARIES
 - S— STORM SEWER WMQ
SIZE VARIES
 - W— WATER SERVICE LINE
SIZE VARIES
 - ▲ PROPOSED FIRE HYDRANT
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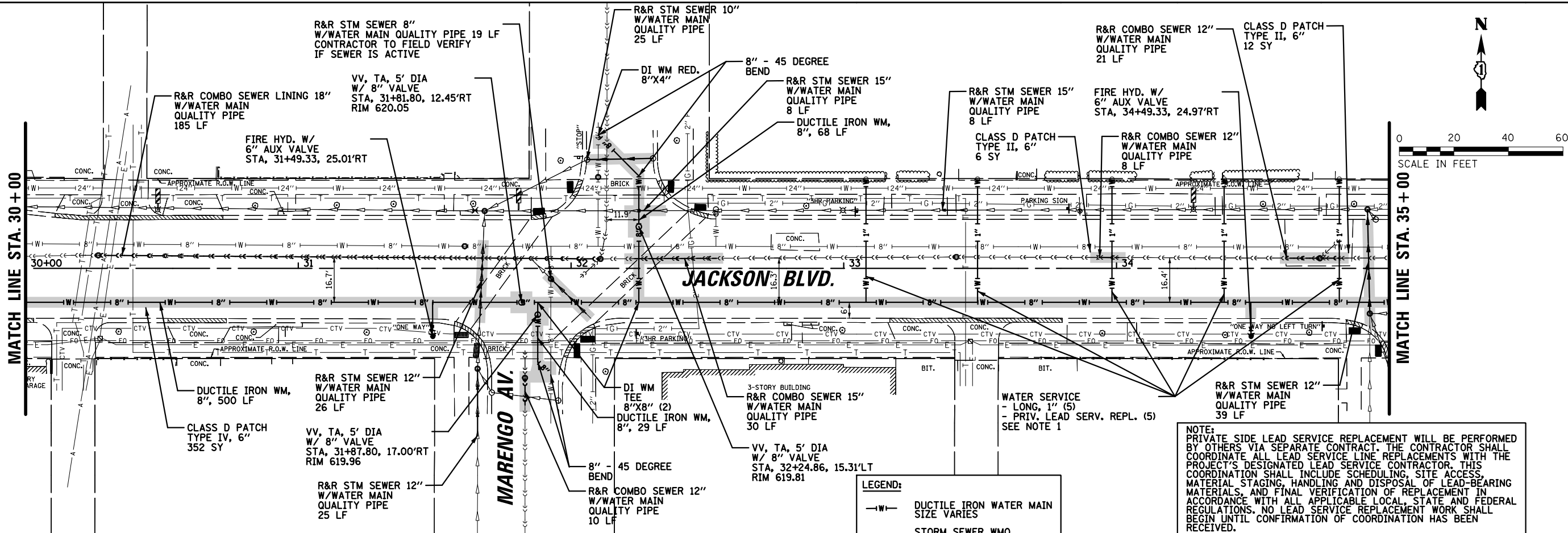
PROFILE	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	CHECKED		
	STRUCTURE NOTATIONS CHKD		



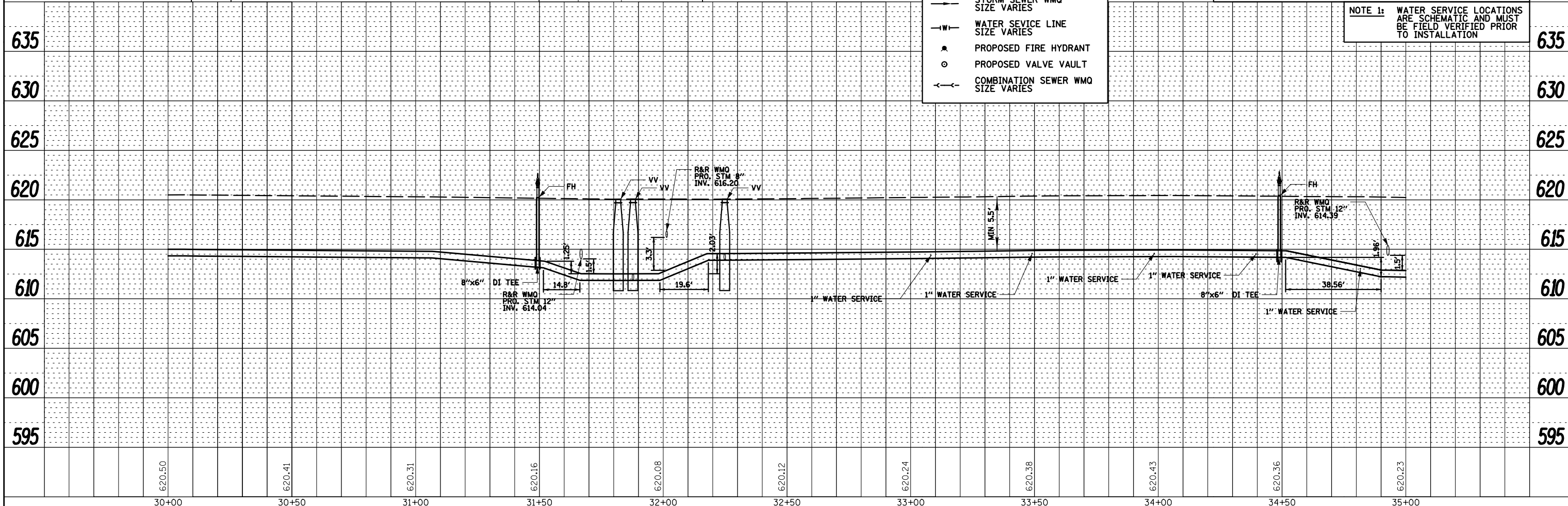
25+00		25+50		26+00		26+50		27+00		27+50		28+00		28+50		29+00		29+50		30+00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
FILE NAME =	USER NAME = rwilliams			DESIGNED - RMW		REVISED - _____		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION														F.A.U. RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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PLAN	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	CHECKED		
	ALIGNED		
	CADD FILE NAME		

LOCATIONS OF EXISTING UTILITIES SHOWN HEREON ARE THE
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PROFILE	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	CHECKED		
	GRADES		
	STRUCTURE		
	NOTATIS CHKD		



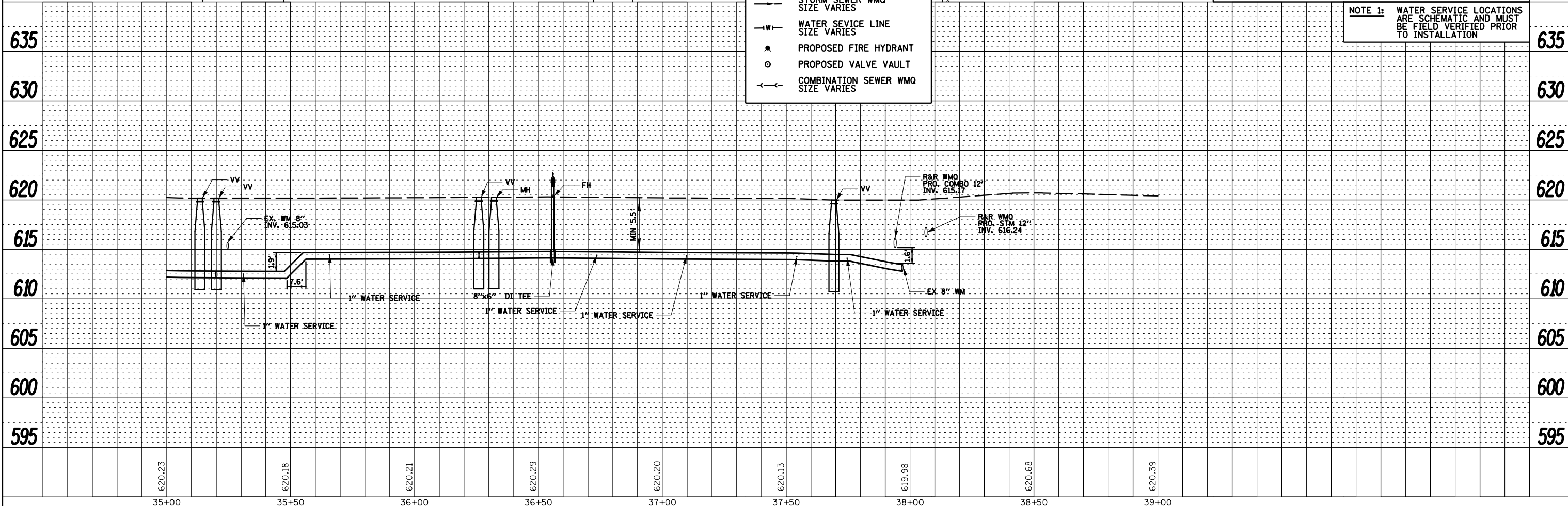
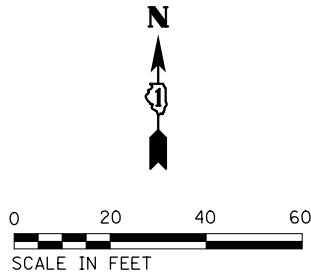
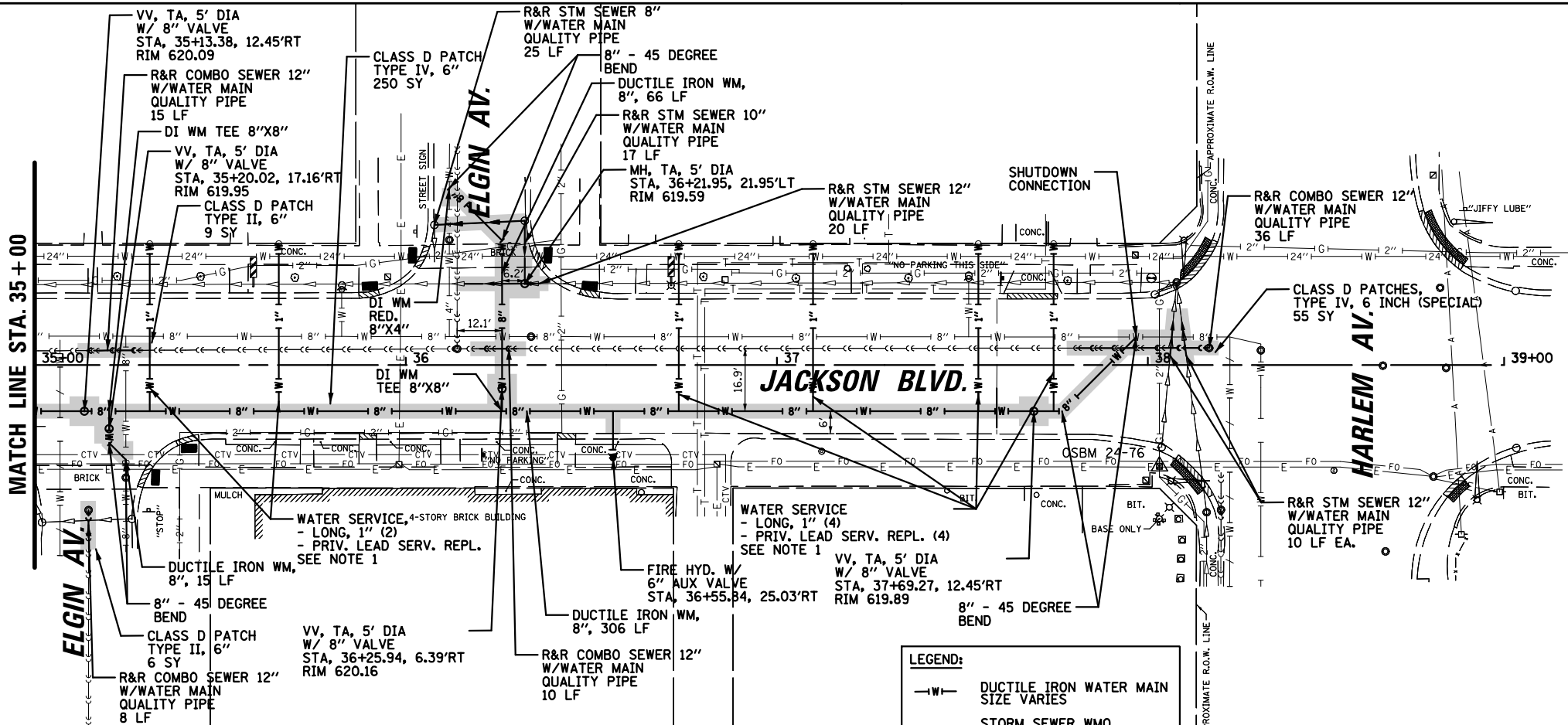
NOTE 1: WATER SERVICE LOCATIONS
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FILE NAME =	USER NAME = rwilliams	DESIGNED - RMW	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED WATERMAIN PLAN & PROFILE				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\FORESTPARK\0023\BG130\Civil\RP05_0023	BG130 -WM.sht	DRAWN - RMW	REVISED - _____		1462	25-00121-00-RS	COOK	49	31				
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	PLOT DATE = 9/9/2025	DATE - 9/9/2025	REVISED - _____		SCALE: 20'	SHEET	OF	SHEETS	STA. 30+00.00	TO STA. 35+00.00	ILLINOIS FED. AID PROJECT		

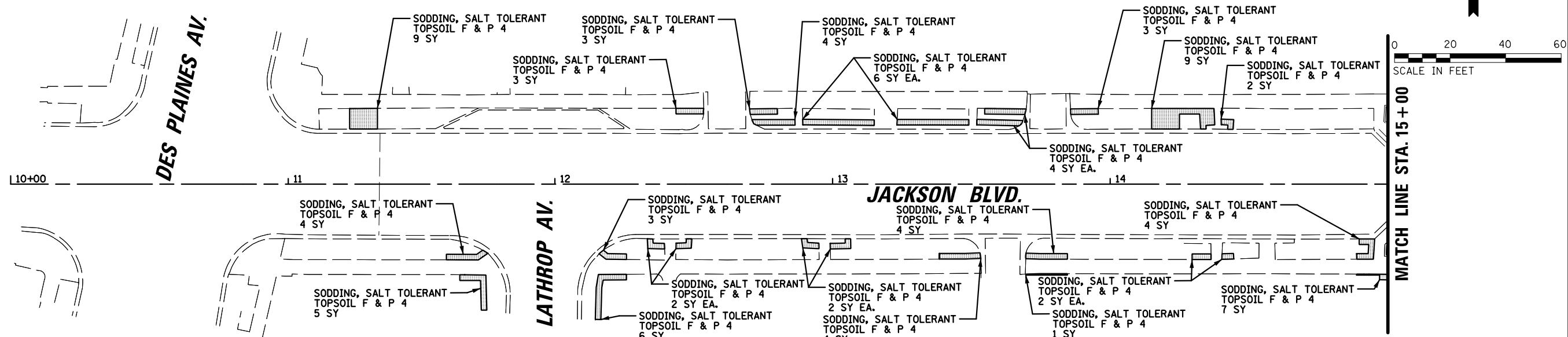
PLAN	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	CHECKED		
	FILE NAME		

PROFILE	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	CHECKED		
	STRUCTURE	NOTATIS CHKD	

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COMPILATION OF FIELD LOCATION AND UTILITY ATLASES



FILE NAME =	USER NAME = rwilliams	DESIGNED - RMW	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED WATERMAIN PLAN & PROFILE				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\FORESTPARK\0023\BG130\Civil\RP06_0023	BG130 -WM.sht	DRAWN - RMW	REVISED - _____		1462	25-00121-00-RS	COOK	49	32				
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	PLOT DATE = 9/9/2025	DATE - 9/9/2025	REVISED - _____		SCALE: 20'	SHEET	OF	SHEETS	STA. 35+00.00	TO STA. 39+00.00	ILLINOIS FED. AID PROJECT		



LEGEND:

SODDING, SALT TOLERANT TOPSOIL, FURNISH AND PLACE 4"

Ca oa

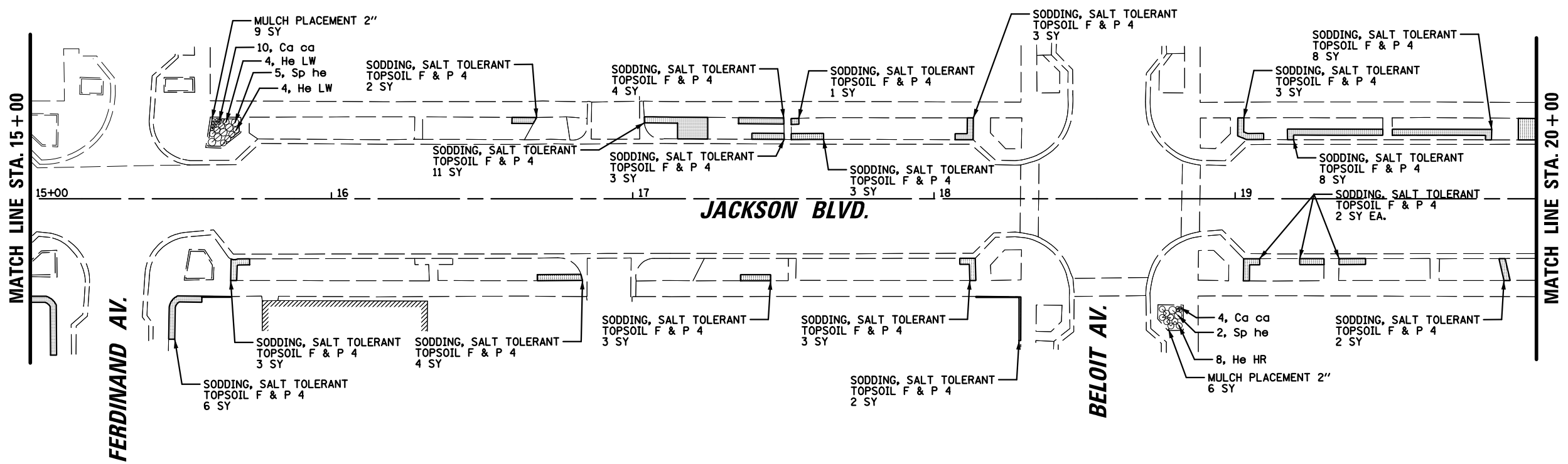
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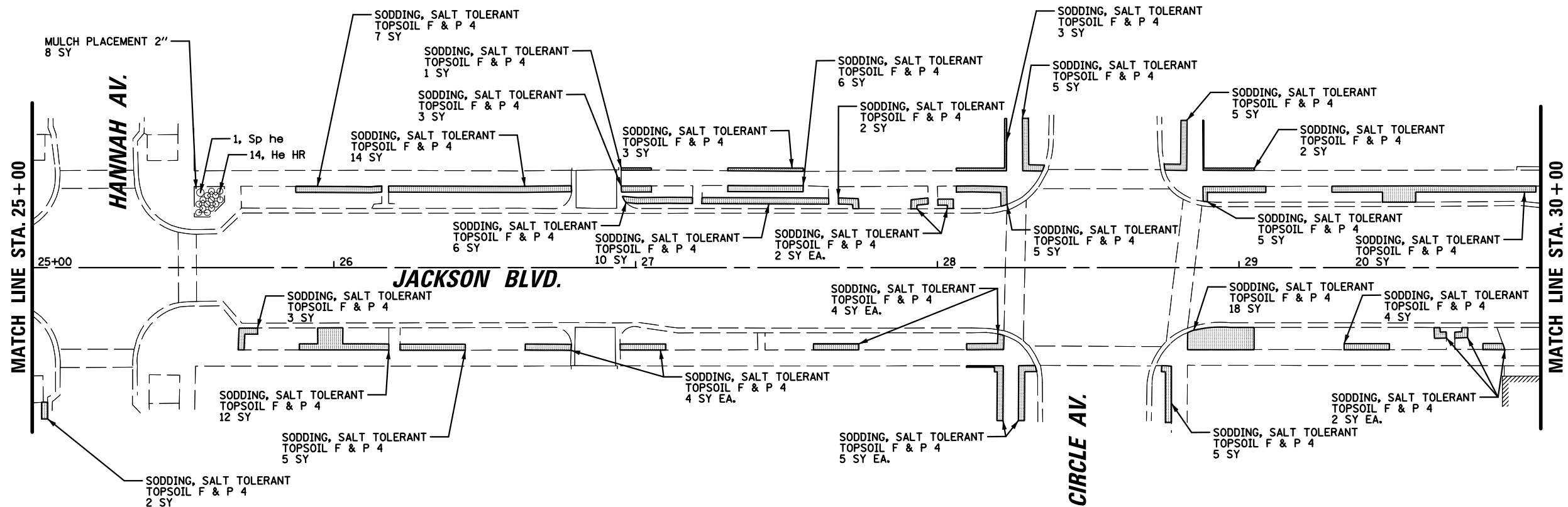
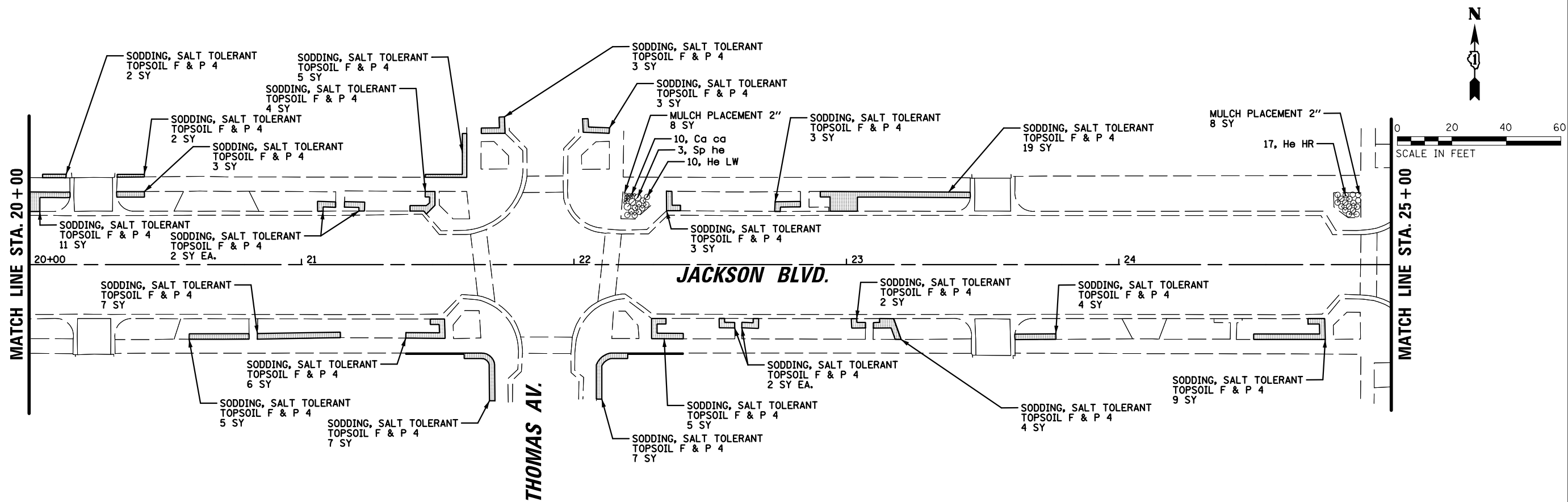
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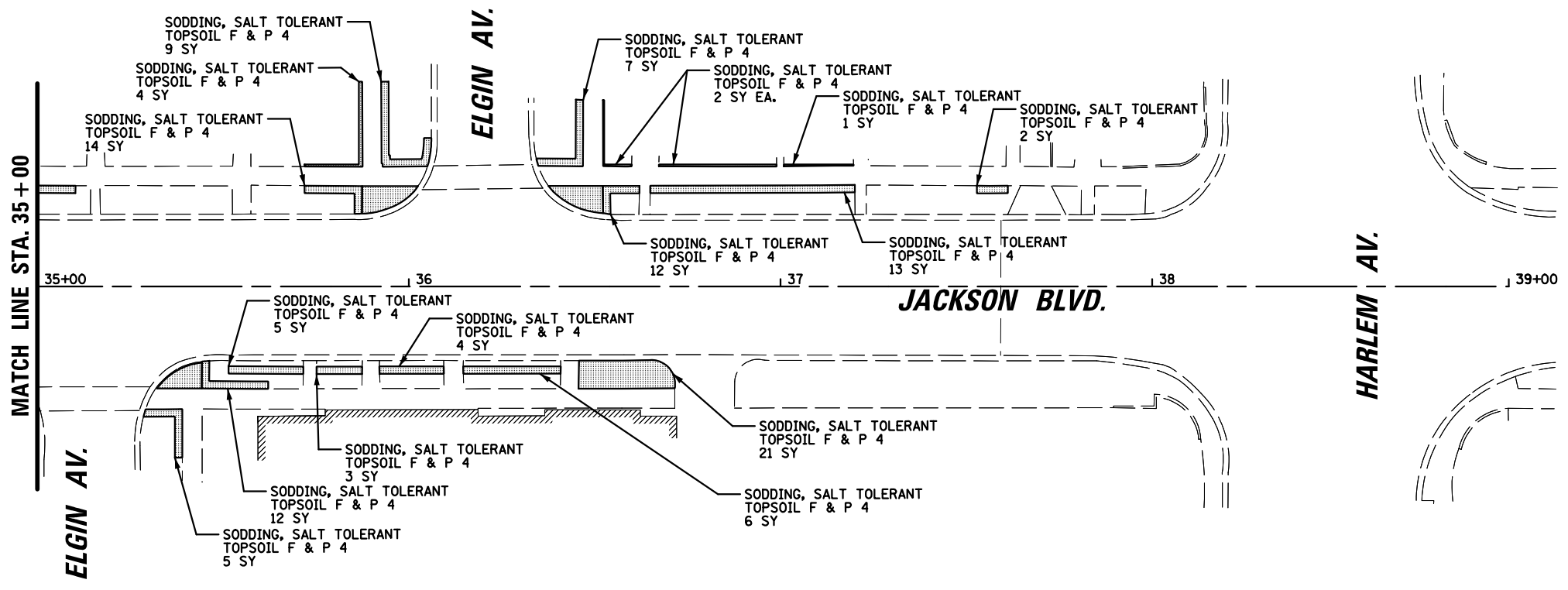
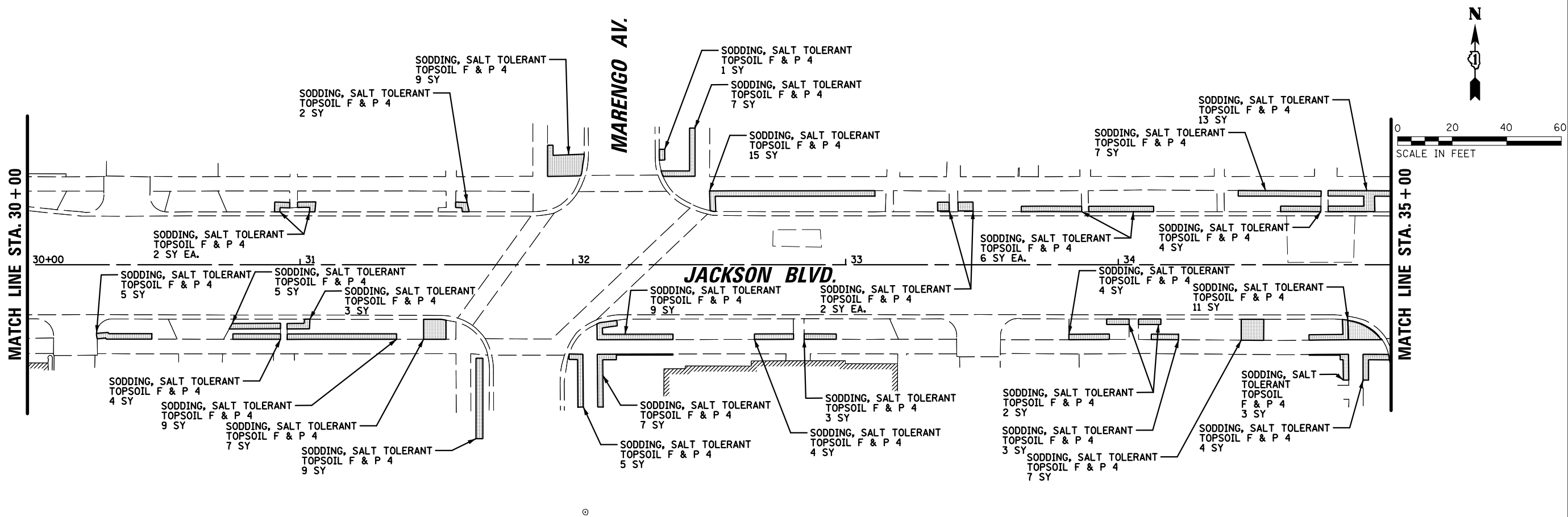
- GENERAL CONSTRUCTION NOTES:**
1. ALL ALTERCATIONS AND SUBSTITUTIONS MUST BE APPROVED BY THE LANDSCAPE ARCHITECT.
 2. CONTRACTORS MUST VERIFY ALL QUANTITIES AND OBTAIN ALL PROPER PERMITS AND LICENSES FROM THE PROPER AUTHORITIES.
 3. ALL LANDSCAPE IMPROVEMENTS SHALL MEET MUNICIPALITY REQUIREMENTS AND GUIDELINES, WHICH SHALL BE VERIFIED BY MUNICIPAL AUTHORITIES.
 4. 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.
 5. ALL TREE PROTECTION, PRUNING AND ROOT PRUNING SHALL BE COMPLETED BEFORE CONSTRUCTION OPERATIONS COMMENCE IN ANY AREA, AT NO TIME SHALL THE CONTRACTOR PRUNE OR REMOVE ANY TREES UNLESS SPECIFICALLY DIRECTED BY THE ENGINEER.
 6. ALL DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF PROPERLY.

PLANT LIST						
Perennials / Groundcovers / Grasses						
Sym.	Botanical Name	Common Name	QTY.	Size	Cond.	Spacing
Ca ca	Campanula carpatica	'Blue Clips' Blue Clips Harebell	24	#1	Cont.	1' O.C.
He HR	Hemerocallis 'Happy Returns'	Happy Returns Daylily	39	#1	Cont.	2' O.C.
He LW	Hemerocallis 'Little Wine Cup'	Little Wine Cup Daylily	18	#1	Cont.	2' O.C.
Sp he	Sporobolus heterolepis	'Tara' Dwarf Prairie Dropseed	11	#1	Cont.	2.5' O.C.





FILE NAME =	USER NAME = rwilliams	DESIGNED - RMW	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LANDSCAPING RESTORATION PLAN				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\FORESTPARK\0023\BG130\Civil\LAND02.0023.BG130.sht		DRAWN - RMW	REVISED - _____						1462	25-00121-00-RS	COOK	49	34
	PLOT SCALE = 40'	CHECKED - JFA	REVISED - _____		CONTRACT NO. 61L90								
Default	PLOT DATE = 9/9/2025	DATE - 9/9/2025	REVISED - _____						SCALE: 20'	SHEET	OF	SHEETS	STA. 20+00.00



FILE NAME =	USER NAME = rwilliams	DESIGNED - RMW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LANDSCAPING RESTORATION PLAN					F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\FORESTPARK\0023\BG130\Civil\LAND03_0023.BG130.sht		DRAWN - RMW	REVISED -							1462	25-00121-00-RS	COOK	49	35
Default	PLOT SCALE = 40'	CHECKED - JFA	REVISED -		CONTRACT NO. 61L90									
	PLOT DATE = 9/9/2025	DATE - 9/9/2025	REVISED -		ILLINOIS FED. AID PROJECT									
				SCALE: 20'	SHEET	OF	SHEETS	STA. 30+00.00	TO STA. 39+00.00					



	<u>PROPOSED</u>	<u>EXISTING</u>
		"E"
		"P"
E II		"E"
P E		
		"E"
		"E"
		"E"

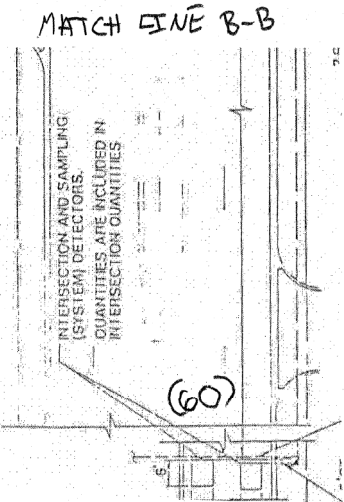
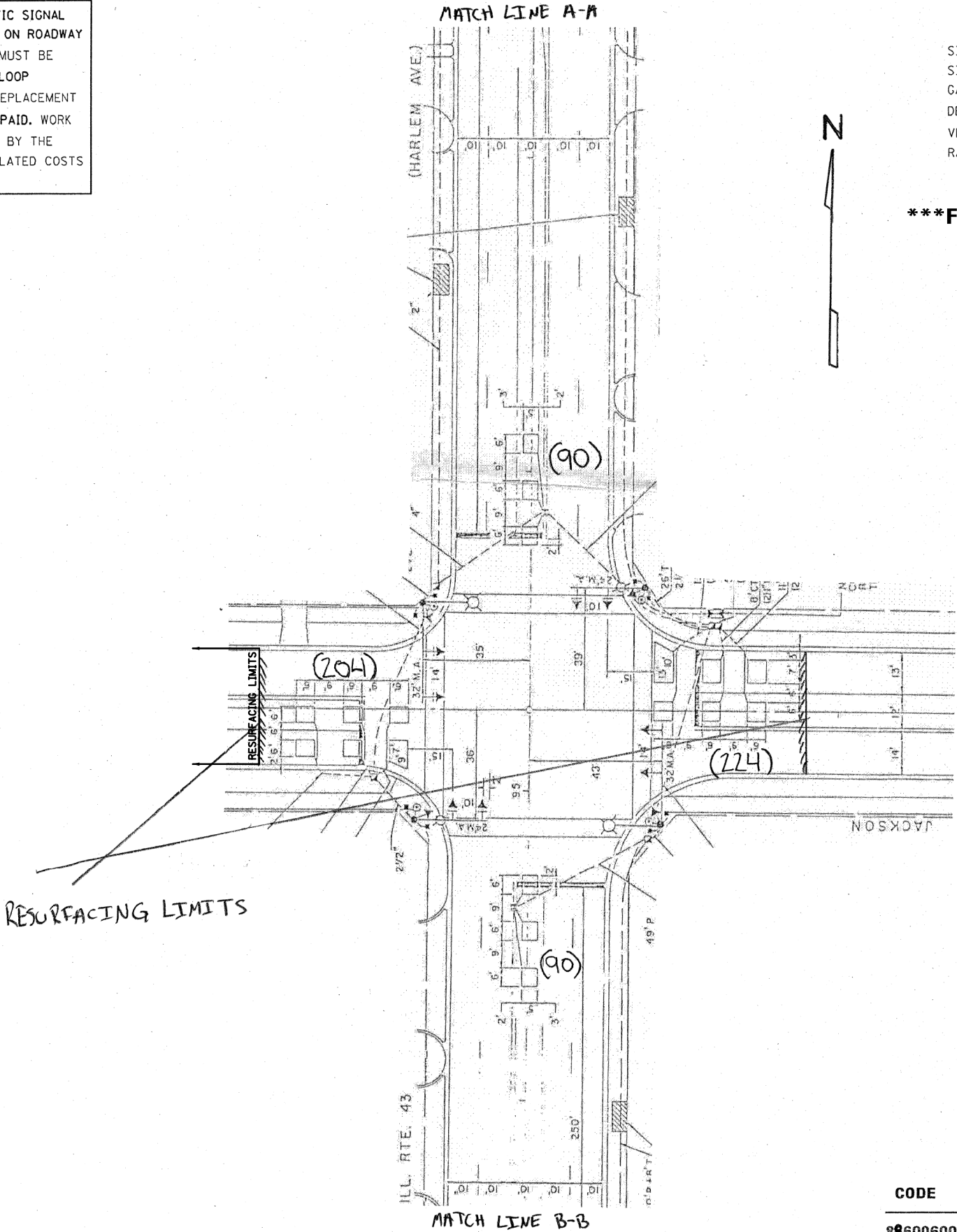
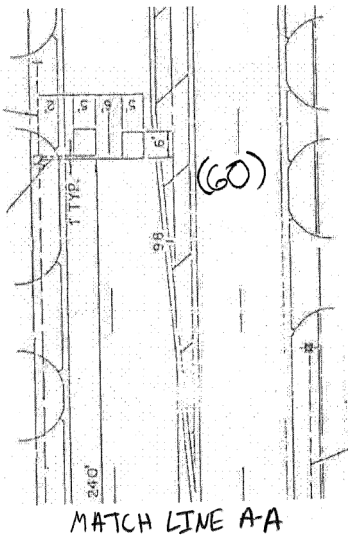
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1462	25-00121-00-RS	COOK	49	36
		CONTRACT NO. 61L90		
ILLINOIS		FED. AID. PROJECT		

WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "TRAFFIC SIGNAL SPECIFICATIONS FOR DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION ON ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS". SPECIAL ATTENTION MUST BE MADE TO THE SECTIONS "INSPECTION OF CONSTRUCTION" AND "DETECTOR LOOP REPLACEMENT" FOR INSTALLATION AND INSPECTION REQUIREMENTS. LOOP REPLACEMENT WORK THAT DOES NOT MEET THE CONTRACT REQUIREMENTS SHALL NOT BE PAID. WORK NECESSARY TO COMPLETE THE LOOP REPLACEMENT WORK MAY BE ASSIGNED BY THE ENGINEER TO IDOT'S ELECTRICAL MAINTENANCE CONTRACTOR (EMC); ALL RELATED COSTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD		
GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED		
DETECTOR LOOP		
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE		
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II		

FOR INFORMATIONAL PURPOSES ONLY



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

CODE	QUANTITY	UNIT	ITEM
88600600	728	FOOT	DETECTOR LOOP, REPLACEMENT

THIS PLAN IS FOR THE SOLE PURPOSE OF
DETECTOR LOOP REPLACEMENTS ONLY

FILE NAME =	USER NAME = nguyensm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE - DETECTOR LOOP REPLACEMENT IL 43 HARLEM AVE @ JACKSON BLVD	SCALE:	SHEET NO. OF SHEETS STA. TO STA.	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\FORESTPARK\0023\BG130\Civil1\SIG02-Harlem Int.0023.BG130.sht	Plot Scale = 100.0000' / IN.	DRAWN -	REVISED -					348	2010-090-RS	COOK	56	30
	PLOT DATE = 11/19/2010	CHECKED -	REVISED -									
		DATE -	REVISED -									
Default	USER NAME = rwilliams	DESIGNED - JEH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HARLEM AVENUE INTERSECTION TRAFFIC SIGNAL PLANS	SCALE: N.T.S.	SHEET 1 OF 1 SHEETS STA. TO STA.	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	Plot Scale = 80'	DRAWN - JEH	REVISED -					1462	25-00121-00-RS	COOK	49	38
	PLOT DATE = 9/9/2025	CHECKED - JFA	REVISED -									
		DATE - 9/9/2025	REVISED -									



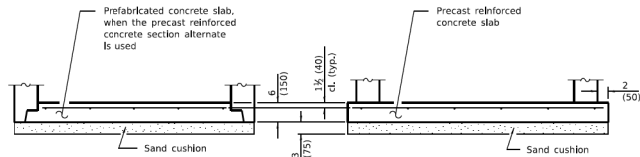
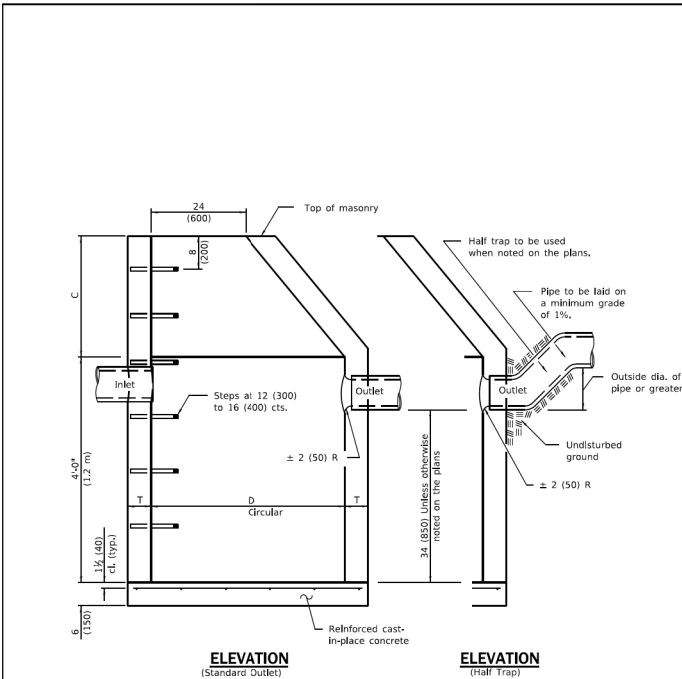
THIS TYPICAL DRIVE LAYOUT IS FOR
BOTH CONCRETE AND ASPHALT DRIVES

P.C.C. DRIVE - 7" P.C.C. DRIVEWAY PAVEMENT
2" AGGREGATE-BASE BASE COURSE, TYPE B



FILE NAME =	USER NAME = rwilliams	DESIGNED - JEK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONSTRUCTION DETAILS				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\FORESTPARK\0023\BG130\Civil\DET01-003.BG130.sht		DRAWN - JEK	REVISED -						1462	25-00121-00-RS	COOK	49	39
PLOT SCALE = 80'		CHECKED - JFA	REVISED -		CONTRACT NO. 61L90								
Default	PLOT DATE = 9/9/2025	DATE - 9/9/2025	REVISED -		SCALE: N.T.S.	SHEET OF	SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT				

NOTE: ALL SEWER PIPES THAT CONNECT TO SANITARY LINE OR TO COMBINATION SEWER LINE TO HAVE WATER TIGHT FLEXIBLE RUBBER CONNECTORS AT STRUCTURES PER STD DRAWING 42 (SEE DRAWING NO DET5). REINFORCED CONCRETE COLLARS MAY BE SUBSTITUTED FOR PIPE DIAMETERS LARGER THAN 36".



ALTERNATE BOTTOM SLAB

ALTERNATE MATERIALS FOR WALLS	D	C*	T (min.)
Concrete Masonry Unit	4'-0" (1.2 m) 5'-0" (1.5 m)	30 (750) 3'-9" (1.15 m)	5 (125) 5 (125)
Brick Masonry	4'-0" (1.2 m) 5'-0" (1.5 m)	30 (750) 3'-9" (1.15 m)	8 (200) 8 (200)
Precast Reinforced Concrete Section	4'-0" (1.2 m) 5'-0" (1.5 m)	30 (750) 3'-9" (1.15 m)	4 (100) 5 (125)
Cast-in-place Concrete	4'-0" (1.2 m) 5'-0" (1.5 m)	30 (750) 3'-9" (1.15 m)	6 (150) 6 (150)

* For precast reinforced concrete sections, dimension "C" may vary from the dimension given to plus 6 (150).

GENERAL NOTES

Bottom slabs shall be reinforced with a minimum of 0.20 sq. in./ft. (420 sq. mm/m) in both directions with a maximum spacing of 12 (300).

Bottom slabs may be connected to the riser as determined by the fabricator; however, only a single row of reinforcement around the perimeter may be utilized.

See Standard 602601 for optional precast reinforced concrete flat slab top.

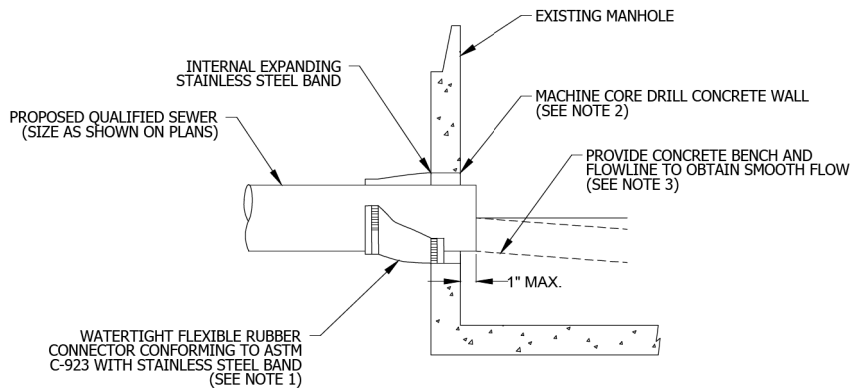
See Standard 602701 for details of steps.

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

DATE	REVISIONS
1-1-11	Added "Outside" to half trap note. Detail rebar in slabs.
1-1-09	Switched units to English (metric).

CATCH BASIN
TYPE A

STANDARD 602001-02



SECTION

NOTES:

1. RESILIENT CONNECTOR COMPLYING WITH ASTM STANDARD C-923 (MOST RECENT EDITION) SHALL BE USED.
2. MACHINE CORE/DRILL CIRCULAR OPENING IN STRUCTURE WALL. OPENING DIAMETER TO FIT THE REQUIRED RESILIENT CONNECTOR PER MANUFACTURER'S RECOMMENDATION.
3. CUT, SHAPE, AND SLOPE NEW INVERT CHANNEL IN THE EXISTING CONCRETE BENCH FOR SMOOTH FLOW.
4. CLEAN EXISTING STRUCTURE AND SEWER PIPE OF ANY DIRT, CONCRETE, OR DEBRIS WHICH MAY ACCUMULATE DURING THE CONSTRUCTION PROCESS.
5. ANY DAMAGE TO THE EXISTING MANHOLE SHALL BE REPAIRED BY THE CONTRACTOR.
6. REINFORCED CONCRETE COLLAR MAY BE SUBSTITUTED FOR PIPE DIAMETERS LARGER THAN 36-INCHES.



TECHNICAL GUIDANCE MANUAL

NOT TO SCALE

10/02/18

PIPE TO EXISTING MANHOLE CONNECTION DETAIL

STD. DWG. NO. 42

PAGE NO. 43

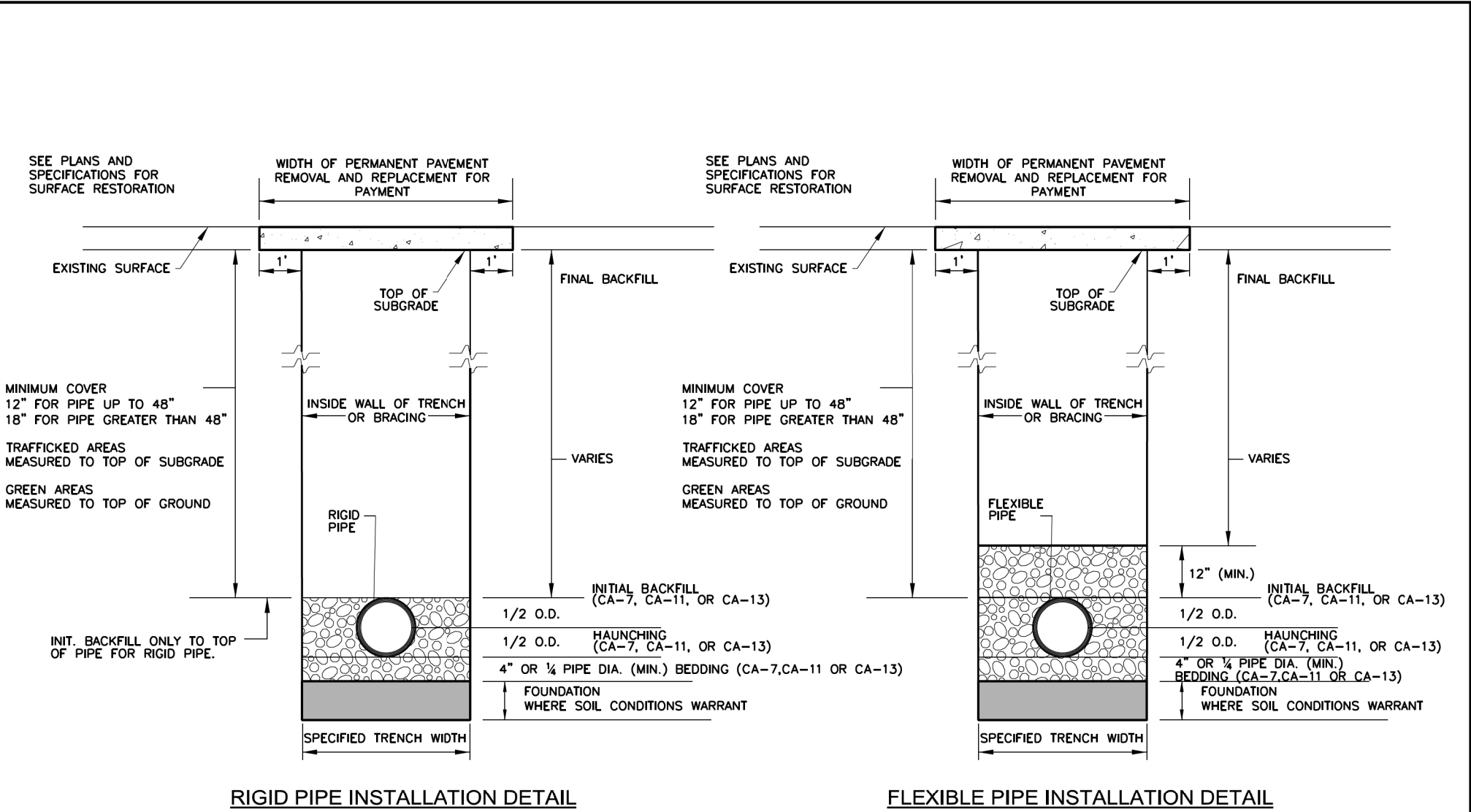
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N:\FORESTPARK\0023\BG130\Civil1\DET02.0023.BG130.sht		DRAWN - JEH	REVISED -
	PLOT SCALE = 80'	CHECKED - JFA	REVISED -
Default	PLOT DATE = 9/9/2025	DATE - 9/9/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1462	25-00121-00-RS	COOK	49	40
CONTRACT NO. 61L90				
ILLINOIS FED. AID PROJECT				



NOTES:
1. FOR QUALIFIED SEWER CONSTRUCTION ONLY.
2. SHORING, OR EQUIVALENT PROTECTIVE SYSTEM, REQUIRED FOR TRENCHES
OF 5' DEPTH OR GREATER, OR AS REQUIRED BY MUNICIPALITY.

NOT TO SCALE



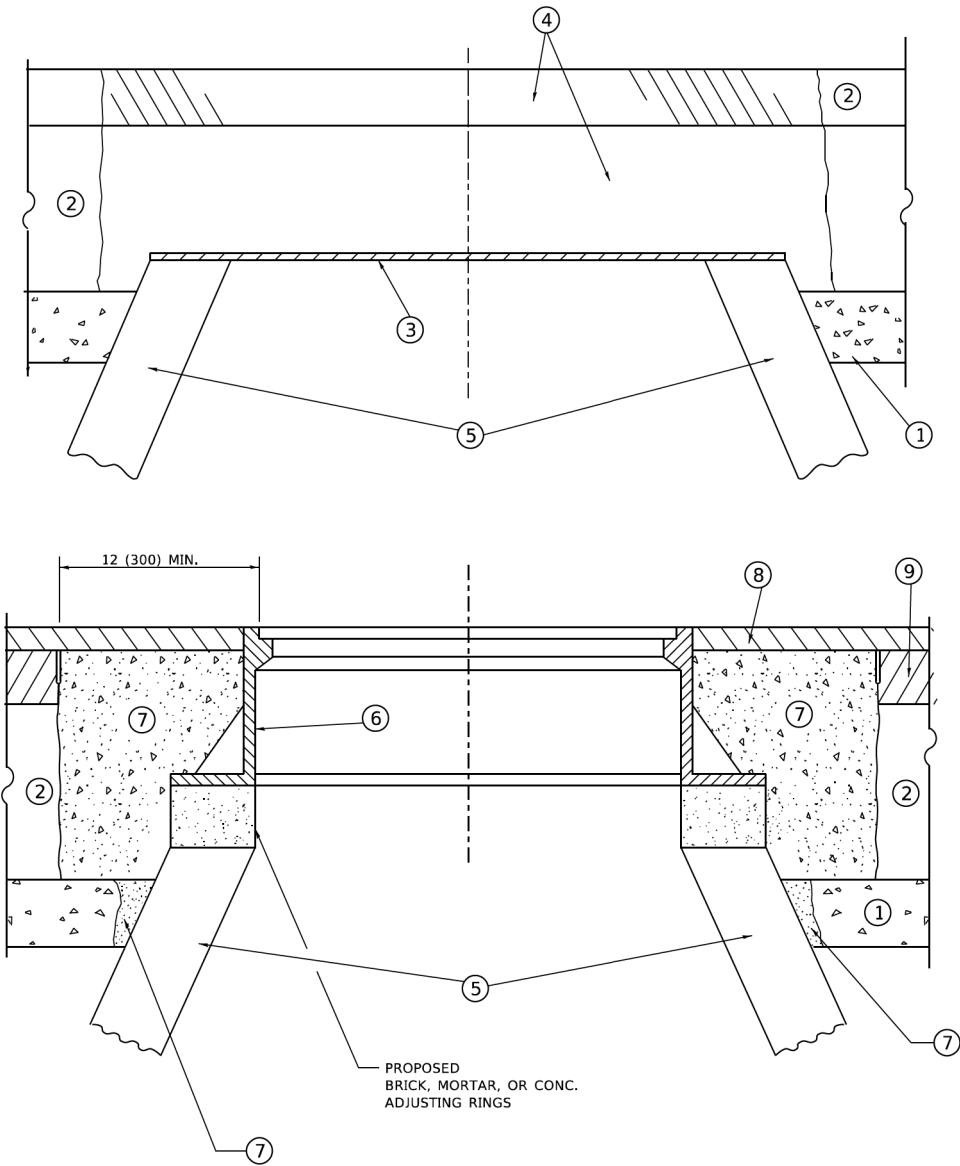
TECHNICAL GUIDANCE MANUAL

RIGID AND FLEXIBLE PIPE INSTALLATION DETAIL

7/1/15

STD. DWG. NO. 34

PAGE NO. 35



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

NOTES

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

CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- 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)

- REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- 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 | ⑥ FRAME AND LID (SEE NOTES) |
| ② EXISTING PAVEMENT | ⑦ CLASS PP-2* CONCRETE |
| ③ 36 (900) DIAMETER METAL PLATE | ⑧ PROPOSED HMA SURFACE COURSE |
| ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX | ⑨ PROPOSED HMA BINDER COURSE |
| ⑤ EXISTING STRUCTURE | |

LOCATION OF STRUCTURES

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

BASIS OF PAYMENT

- REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."
- THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.
- NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.
- 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

MODEL Default
FILE Name: W:\Jct46\22-23\bd08.dgn

USER NAME = Lawrence,DeManche	DESIGNED - R. SHAH	REVISED - R. BORO 03-09-11
	DRAWN -	REVISED - R. BORO 12-06-11
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - K. SMITH 11-18-22
PLOT DATE = 9/15/2023	DATE - 10-25-94	REVISED - K. SMITH 09-15-23

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

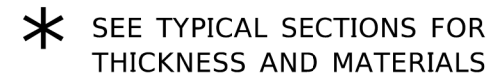
**DETAILS FOR
FRAMES AND LIDS ADJUSTMENT WITH MILLING**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1462	25-00121-00-RS	COOK	49	42
BD600-03 (BD-08)		CONTRACT NO. 61L90		
ILLINOIS		FED. AID PROJECT		

REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."

1. REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."
2. SAW CUT/SCORING OF EXISTING HMA OVERLAY IS INCLUDED IN THE COST OF PAVEMENT PATCHING.
3. SAW CUT/SCORING OF EXISTING PAVEMENT IS INCLUDED IN THE COST OF PAVEMENT PATCHING.



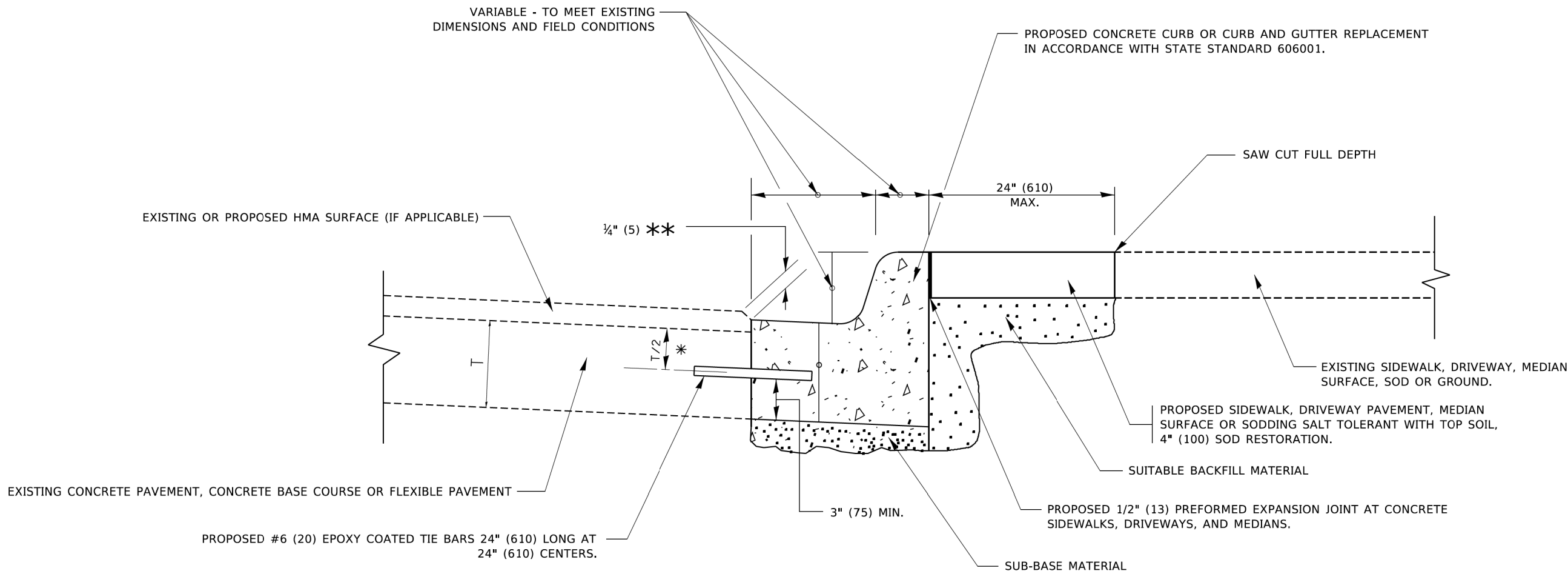
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

1. MILL HMA FIRST IF THERE IS AT LEAST 4½ INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

FILE NAME: DMS	USER NAME = Lawrence,DeManche	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - R. BORO 09-04-07						1462	25-00121-00-RS	C00K	49	43
	PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - K. ENG 10-27-08		BD400-04 (BD-22)				CONTRACT NO. 61L90				
	PLOT DATE = 11/18/2022	DATE = 10-25-94	REVISED - K. SMITH 11-18-22						SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	ILLINOIS	FED. AID PROJECT

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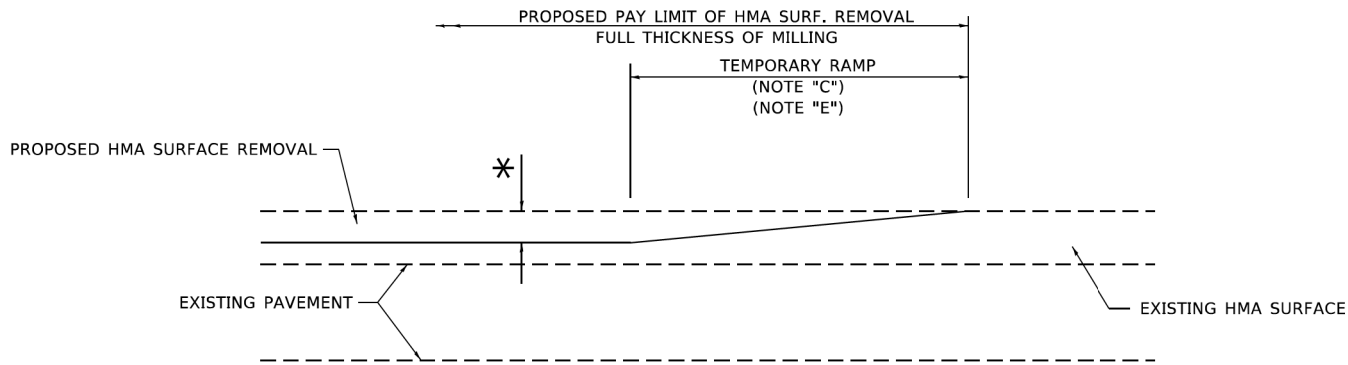


- * 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
- ** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

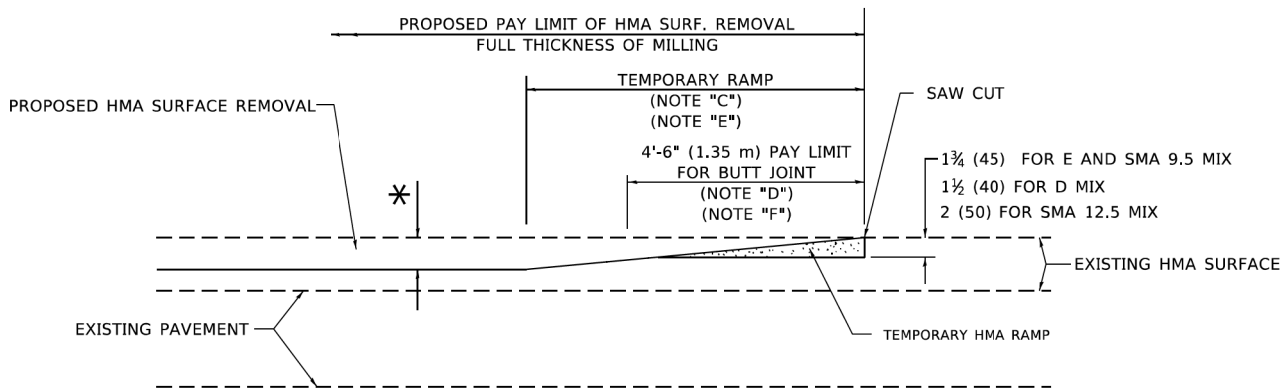
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
UNLESS OTHERWISE SHOWN.

	USER NAME = footemj	DESIGNED - A. HOUSEH	REVISED - A. ABBAS 03-21-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - M. GOMEZ 01-22-01					1462	25-00121-00-RS	COOK	49	44
	PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - R. BORO 12-15-09		BD600-06 (BD-24)			CONTRACT NO. 61L90				
	PLOT DATE = 7/11/2019	DATE - 03-11-94	REVISED - K. SMITH 07-11-19		SCALE: NONE	SHEET 1	OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		



MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

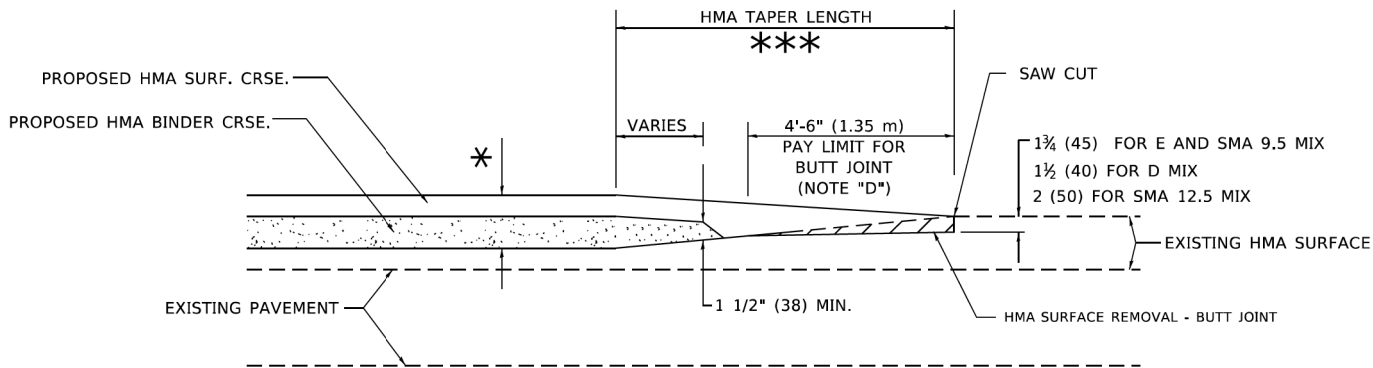
OPTION 1



HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

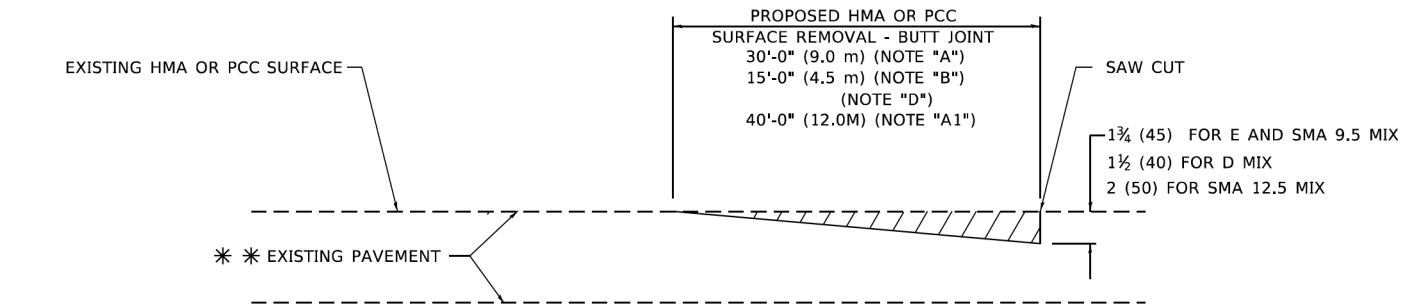
OPTION 2

TYPICAL TEMPORARY RAMP

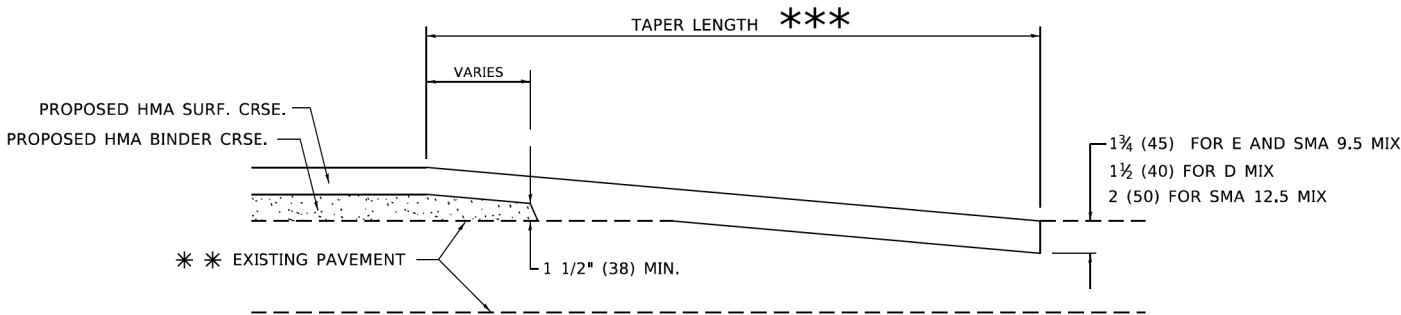


**BUTT JOINT AND
HMA TAPER**

**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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FILE Name: p:\public\cdw_bentley.com\p\DOT\Documents\DOT_Offices\District_1\Projects\Dist5\42123\ACADD\3a\CAD\Sheets\bd32.dgn

USER NAME = Lawrence,DeManche	DESIGNED - M. DE YONG	REVISED - A. ABBAS 03-21-97
	DRAWN -	REVISED - M. GOMEZ 04-06-01
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.
1462	25-00121-00-RS	COOK	49	45
BD400-05 BD-32		CONTRACT NO. 61L90		
ILLINOIS		FED. AID PROJECT		

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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

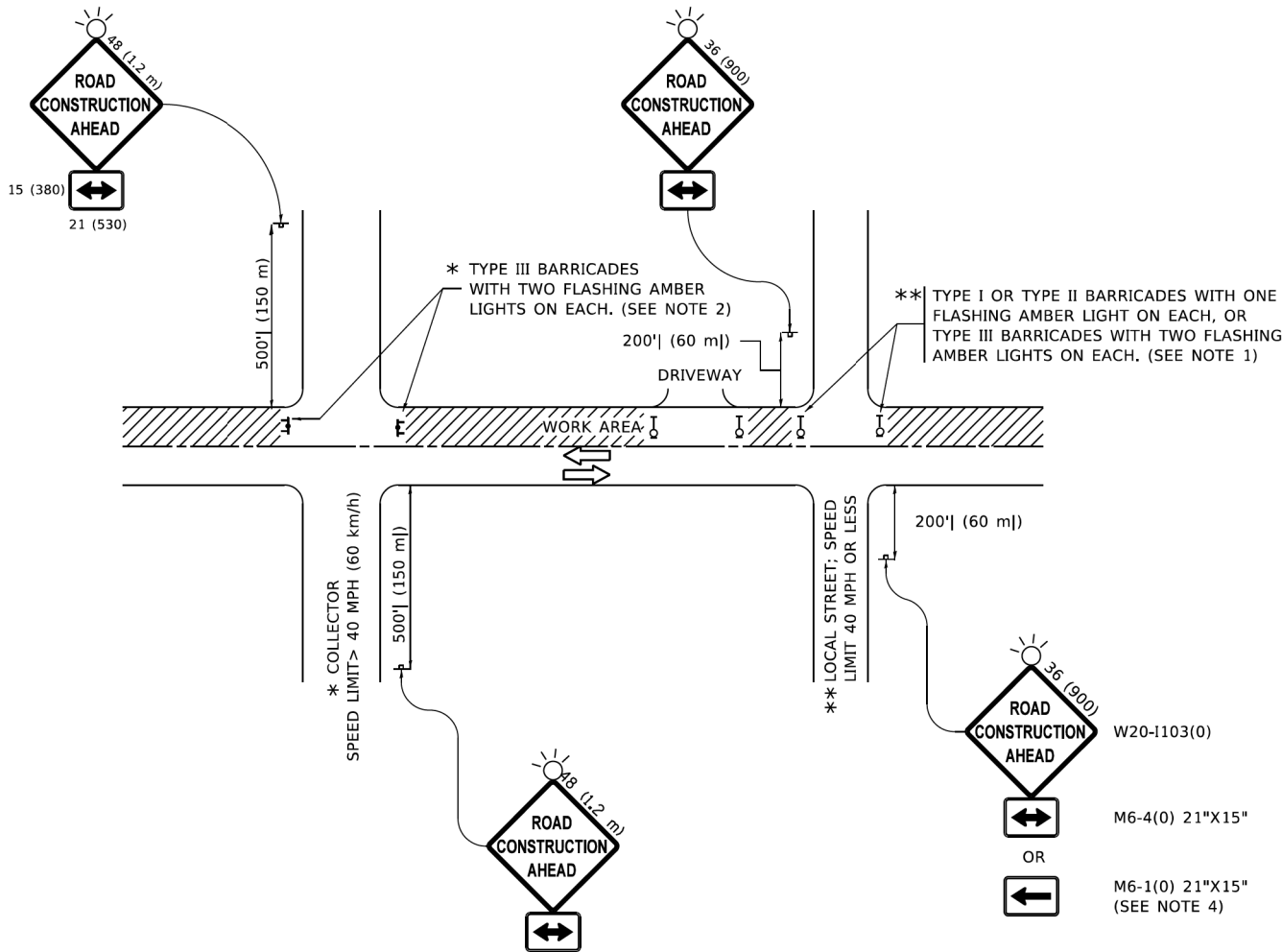
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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

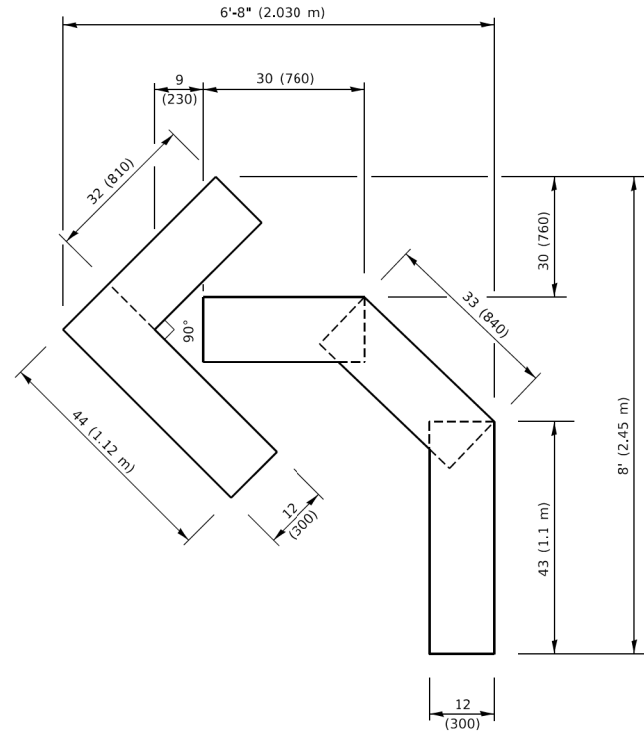
All dimensions are in inches (millimeters)
unless otherwise shown.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1462	25-00121-00-RS	COOK	49	46
TC-10		CONTRACT NO. 61L90		
		ILLINOIS	FED. AID PROJECT	



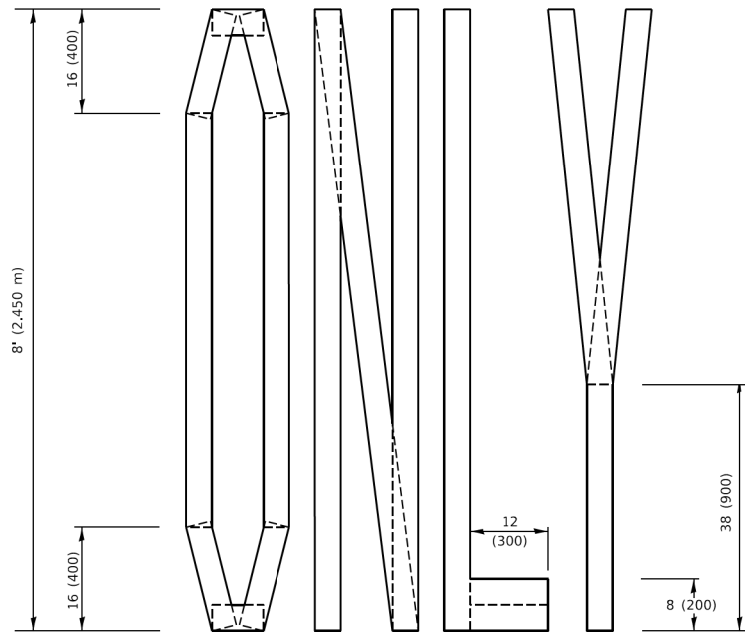
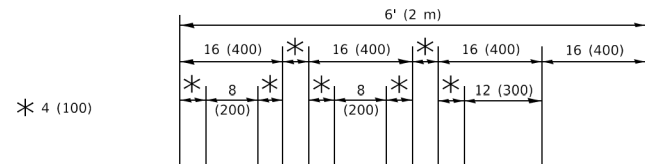
NOTES:

- 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:
 - 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.
 - 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.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - 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.
 - 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.
- 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.
- 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).
- 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.
- ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.



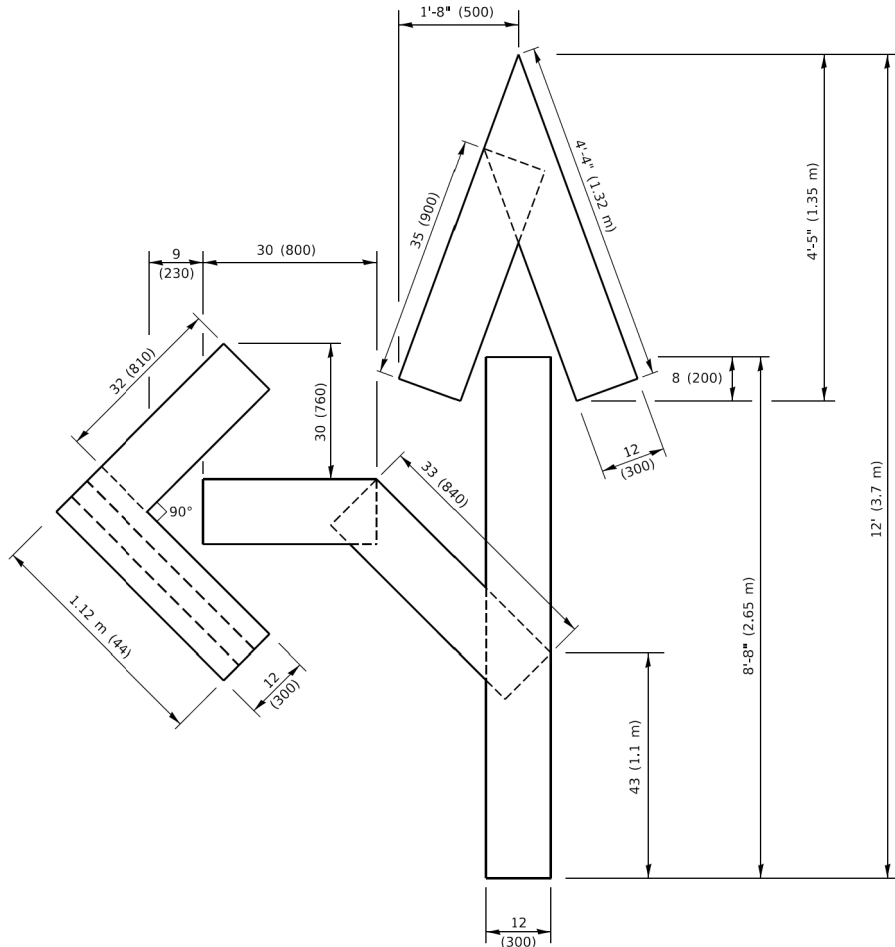
QUANTITY

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)

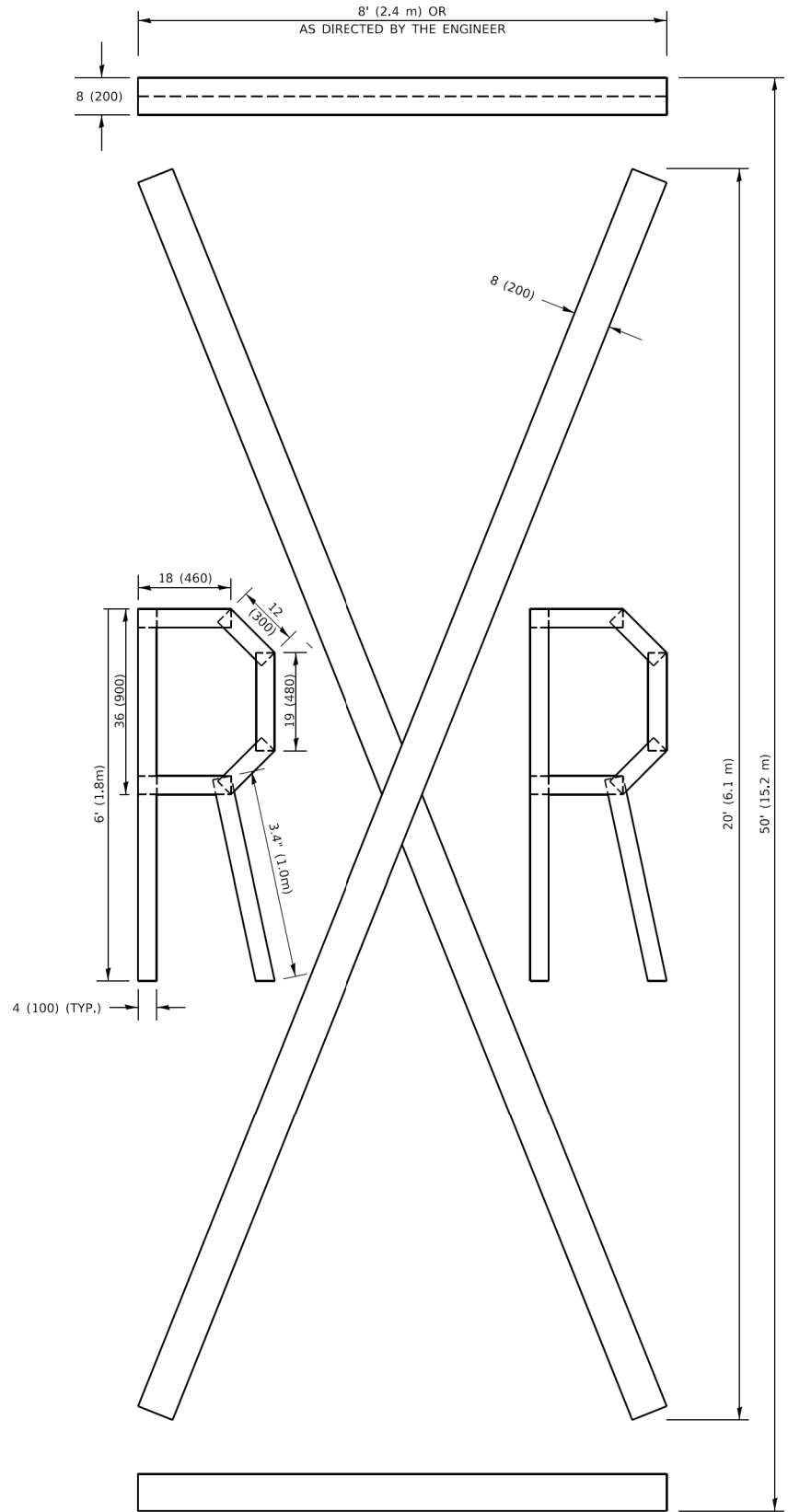


QUANTITY

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.

USER NAME = footemj	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
	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.
1462	25-00121-00-RS	COOK	49	48
TC-16		CONTRACT NO. 61L90		
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
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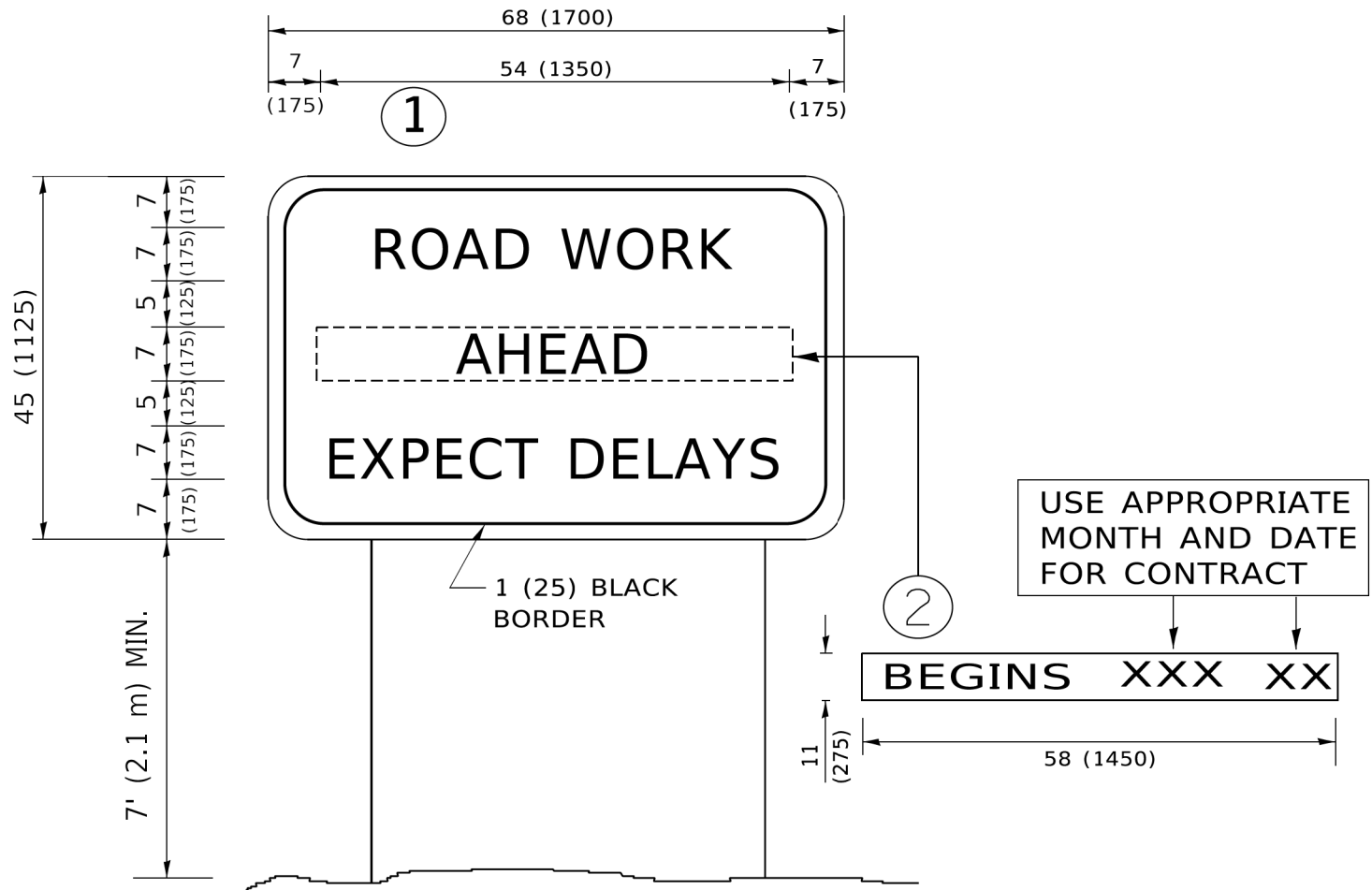
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	PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -T. RAMMACHER 02-02-99
	PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 01-31-07

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.
1462	25-00121-00-RS	C00K	49	49
TC-22		CONTRACT NO. 61L90		
ILLINOIS		FED. AID PROJECT		



NOTES:

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

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