

CITY OF JOLIET, ILLINOIS

UPPER BLUFF 2025 WATER MAIN IMPROVEMENTS

CITY OF JOLIET CONTRACT NO. 2852-0125

WATER MAIN REPLACEMENT IEPA LOAN NO. L17-6076

LEAD SERVICE REPLACEMENT IEPA LOAN NO. L17-6079



VICINITY MAP

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C018	GLENWOOD AVENUE STA. 103+50 TO STA. 106+75 PLAN AND PROFILE
C019	DIVISION STREET STA. 110+50 TO STA. 116+00 PLAN AND PROFILE
C020	DIVISION STREET STA. 116+00 TO STA. 121+00 PLAN AND PROFILE
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C023	BUELL AVENUE STA. 150+00 TO STA. 155+00 PLAN AND PROFILE
C024	BUELL AVENUE STA. 155+00 TO STA. 159+00 PLAN AND PROFILE
C025	BUELL AVENUE STA. 159+00 TO STA. 163+00 PLAN AND PROFILE
C026	WESTERN AVENUE STA. 199+50 TO STA. 204+50 PLAN AND PROFILE
C027	WESTERN AVENUE STA. 204+50 TO STA. 209+50 PLAN AND PROFILE
C028	WESTERN AVENUE STA. 209+50 TO STA. 214+50 PLAN AND PROFILE
C029	WESTERN AVENUE STA. 214+50 TO STA. 219+00 PLAN AND PROFILE
C030	WOODWORTH ALLEY STA. 220+00 TO STA. 224+50 PLAN AND PROFILE
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C033	CONSTRUCTION DETAILS
C034	CONSTRUCTION DETAILS

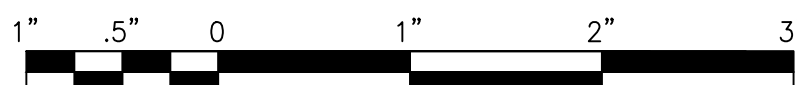
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DIG NO. A240090808

EXISTING UTILITIES:

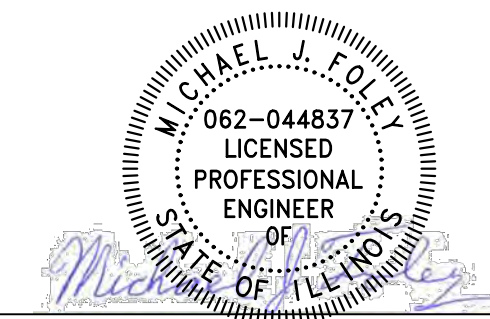
WHERE THE DRAWINGS INCLUDE INFORMATION PERTAINING TO THE LOCATION OF UNDERGROUND UTILITY FACILITIES, SUCH INFORMATION REPRESENTS ONLY THE OPINION OF THE ENGINEER AS TO THE LOCATION OF SUCH UTILITIES. THE INFORMATION IS INCLUDED ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. THE UTILITY LOCATIONS WERE DETERMINED FROM THE BEST AVAILABLE RECORDS. THE ENGINEER AND OWNER ASSUME NO RESPONSIBILITY WHATEVER WITH RESPECT TO THE SUFFICIENCY OR ACCURACY OF THE INFORMATION SHOWN ON THE DRAWINGS REGARDING THE LOCATION OF UNDERGROUND UTILITY FACILITIES OR THE MANNER IN WHICH THEY ARE TO BE REMOVED OR ADJUSTED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES. THE CONTRACTOR SHALL OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION REGARDING THE LOCATION OF THE UTILITY FACILITIES AND THE WORKING SCHEDULES OF THE UTILITY COMPANIES FOR REMOVING OR ADJUSTING THE FACILITIES.



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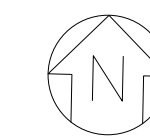
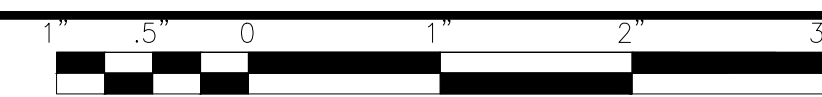


PROJECT MANAGER

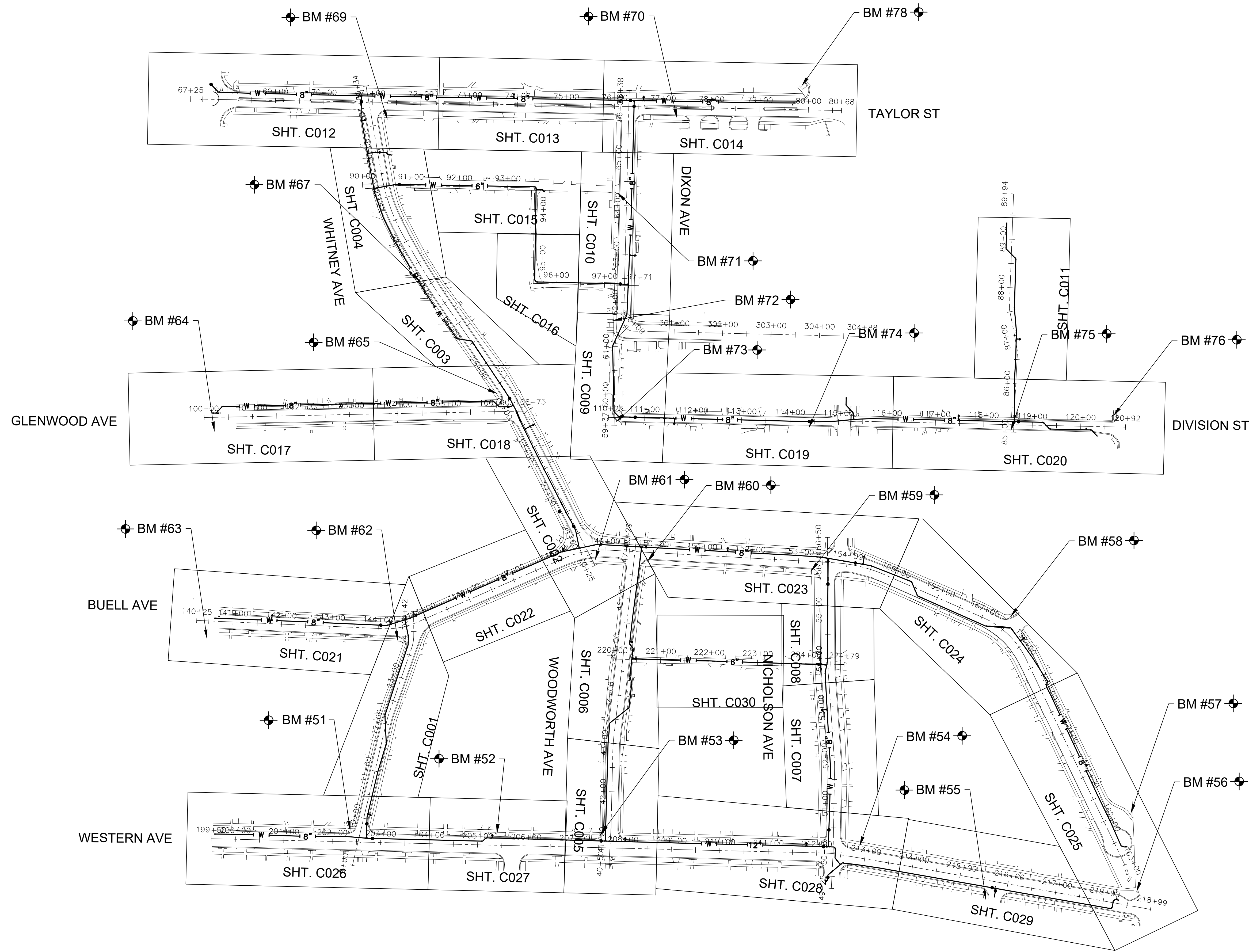
"LICENSE EXPIRES 11-30-2025"

[Signature]
PROJECT ENGINEER

BAXTER & WOODMAN, INC.
STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/2025



NO SCALE



P:\JOL\2325880-2025 WATER MAIN\CAD\UPPER BLUFF\01_CIVIL_3D\01_SHTS-PLANS\2325880-UPPER BLUFF-SHEET_KEY.DWG sheet_key
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CITY OF JOLIET, ILLINOIS
UPPER BLUFF 2025 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2852-0125

SHEET KEY	
SCALE: AS NOTED	PROJECT NO: 2325880.00

DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - ABN/UKB	39	G001
CHECKED - MJF		
DATE - 10/17/2024		

EXISTING	LEGEND	PROPOSED
	SANITARY SEWER OR SERVICE	
	STORM SEWER OR SERVICE	
	WATER MAIN OR SERVICE	
	FORCE MAIN	
	MANHOLE	
	CATCH BASIN	
	INLET	
	DRYWELL	
	CULVERT END SECTION	
	FIRE HYDRANT W/ AUX. VALVE, VALVE BOX, AND COVER	
	WATER VALVE W/ BOX AND COVER	
	WATER VALVE VAULT	
	WATER SERVICE BOX OR CURB STOP	
	WATER TEE FITTING	
	WATER SLEEVE FITTING	
	WATER 90° FITTING	
	WATER 45° FITTING	
	WATER REDUCER FITTING	
	CAP FITTING	
	WATER CROSS FITTING	
	WATER METER	
	CLEAN OUT	
	SEPTIC VENT	
	TO BE ABANDONED AND/OR REMOVED STRUCTURE TO BE ABANDONED	
	GAS LINE	
	GAS VALVE W/ BOX AND COVER	
	GAS VALVE VAULT	
	GAS METER	
	GAS RISER	
	GAS SERVICE VALVE	
	TELEPHONE CABLE	
	TELEPHONE DUCT	
	TELEPHONE VAULT	
	TELEPHONE RISER	
	CABLE TELEVISION (BURIED)	
	CABLE T.V. RISER	
	CABLE T.V. VAULT	
	UNDERGROUND ELECTRICAL	

EXISTING	LEGEND	PROPOSED
	ELECTRIC METER	
	PAD MOUNTED TRANSFORMER	
	ELECTRIC VAULT	
	JUNCTION BOX	
	UTILITY POLE	
	UTILITY POLE w/ GUY ANCHOR	
	UTILITY POLE w/ LIGHT	
	LIGHT STANDARD	
	MAIL BOX	
	STREET SIGN	
	RAILROAD SIGNAL	
	TRAFFIC SIGNAL CONTROLLER	
	TRAFFIC SIGNAL POST W/ SIGNAL HEAD	
	HANDHOLE	
	DECIDUOUS TREE (W/ TRUNK INCH DIA.)	
	CONIFEROUS TREE (W/ HEIGHT)	
	DECIDUOUS BUSH	
	CONIFEROUS BUSH	
	DEFINING EDGE OF BRUSH OR FORESTED AREA	
	FENCE	
	GUARD RAIL	
	CULVERT (CMP UNLESS NOTED)	
	DITCH	
	RIGHT OF WAY (ROW)	
	RIGHT OF WAY MONUMENT	
	UNFENCED PROPERTY LINE	
	IRON PIPE (PROPERTY CORNER)	
	CENTER LINE	
	PROPOSED EL./EXISTING EL. and STATION	
	SOIL BORING AND NUMBER	
	BENCH MARK	
	SURVEY CONTROL POINT	
	OVERHEAD ELECTRICAL	
	SUMMIT	
	RIPRAP	
	ROADWAY DITCH FLOW	
	SWALE	

12" (HATCHED SHALL BE REMOVED)
 16" (HATCHED SHALL BE REMOVED)

BENCHMARKS (NAVD 88 DATUM)

B.M. # 51		CHISELED "X" SET IN NORTH BASE OF LIGHT POLE LOCATED AT NORTHWEST CORNER OF BROOKS AVENUE AND WESTERN AVENUE ELEV. = 640.938
B.M. # 52		CHISELED "X" SET IN SOUTHEAST CORNER OF ELECTRICAL CABINET LOCATED AT NORTHWEST CORNER OF WESTERN AVENUE AND CLEMENT STREET ELEV. = 638.988
B.M. # 53		CHISELED "X" SET IN NORTH FACE OF POWER POLE LOCATED AT NORTHWEST CORNER OF WOODWORTH AVENUE AND WESTERN AVENUE ELEV. = 636.588
B.M. # 54		CHISELED "X" SET IN NORTH FACE OF POWER POLE LOCATED AT NORTHEASTERN CORNER OF NICHOLSON STREET AND WESTERN AVENUE ELEV. = 625.238
B.M. # 55		NORTHWEST ARROW BOLT SET IN FIRE HYDRANT LOCATED AT SOUTHWEST CORNER OF WESTERN AVENUE AND PEARL STREET ELEV. = 598.268
B.M. # 56		CHISELED "X" SET IN NORTHWEST CORNER OF HANDHOLE LOCATED AT NORTHWEST CORNER OF CENTER STREET AND WESTERN AVENUE ELEV. = 586.118
B.M. # 57		MINI RAILROAD SPIKE SET IN NORTH FACE OF POWER POLE LOCATED 75 FEET SOUTHWEST OF ADDRESS 306 CENTER STREET ELEV. = 588.244
B.M. # 58		MINI RAILROAD SPIKE SET IN SOUTHEAST FACE OF POWER POLE LOCATED AT NORTHERN CORNER OF CHARLOTTE AVENUE AND BUELL AVENUE ELEV. = 593.178
B.M. # 59		MINI RAILROAD SPIKE SET IN NORTHEAST FACE OF POWER POLE LOCATED AT SOUTHWEST CORNER OF BUELL AVENUE AND NICHOLSON STREET ELEV. = 599.448
B.M. # 60		MINI RAILROAD SPIKE SET IN POWER POLE LOCATED AT SOUTHEAST CORNER OF WOODWORTH AND BUELL AVENUE ELEV. = 604.168
B.M. # 61		RAILROAD SPIKE SET IN NORTH FACE OF POWER POLE LOCATED AT SOUTHEAST CORNER OF BUELL AVENUE AND WHITNEY AVENUE ELEV. = 605.908
B.M. # 62		CHISELED "X" SET IN NORTHEAST CORNER OF LIGHT POLE LOCATED AT SOUTHWEST CORNER OF BUELL AVENUE AND BROOKS AVENUE ELEV. = 622.408
B.M. # 63		MINI RAILROAD SPIKE SET IN NORTHWEST FACE OF POWER POLE LOCATED AT SOUTHEAST CORNER OF BUELL AVENUE AND WILCOX STREET ELEV. = 642.848
B.M. # 64		MINI RAILROAD SPIKE SET IN NORTH FACE OF POWER POLE LOCATED AT SOUTHEAST CORNER OF GLENWOOD AVENUE AND WILCOX AVENUE ELEV. = 639.084
B.M. # 65		RAILROAD SPIKE SET IN EAST FACE OF POWER POLE LOCATED AT NORTHWEST CORNER OF GLENWOOD AVENUE AND WHITNEY AVENUE ELEV. = 612.715
B.M. # 67		CHISELED "X" SET IN SOUTHWEST FACE OF LIGHT POLE LOCATED ON PARKWAY SOUTHEAST OF ADDRESS 413 WHITNEY AVENUE ELEV. = 620.129
B.M. # 69		CHISELED "X" SET AT NORTHWEST CORNER OF EMERGENCY PILLAR LOCATED ON SOUTHEAST CORNER OF WHITNEY AVENUE AND TAYLOR STREET ELEV. = 639.638
B.M. # 70		RAILROAD SPIKE SET IN SOUTH CORNER OF POWER POLE W\ LIGHT LOCATED NORTH OF ADDRESS 516 TAYLOR ELEV. = 646.268
B.M. # 71		RAILROAD SPIKE SET IN SOUTHEAST FACE OF POWER POLE LOCATED AT SOUTHWEST CORNER OF SOUTHWEST CORNER OF WHITNEY TERRITORY AND NORTH DIXON AVENUE ELEV. = 645.208
B.M. # 72		RAILROAD SPIKE SET IN EAST FACE OF POWER POLE W\ LIGHT LOCATED ON WEST SIDE OF DIXON AVENUE AND JERSEY AVENUE BETWEEN ADDRESS 409 AND 411 DIXON AVENUE ELEV. = 636.488
B.M. # 73		MINI RAILROAD SPIKE SET IN NORTH FACE OF POWER POLE W\ LIGHT LOCATED AT SOUTHWEST CORNER OF DIVISION STREET AND DIXON AVENUE ELEV. = 627.788
B.M. # 74		RAILROAD SPIKE SET IN NORTH FACE OF POWER POLE LOCATED ON SOUTH SIDE OF DIVISION STREET 50 FEET SOUTHWEST OF THE CENTER LINE OF NICHOLSON STREET ELEV. = 628.728
B.M. # 75		RAILROAD SPIKE SET IN NORTH FACE OF POWER POLE LOCATED ON SOUTH SIDE OF DIVISION STREET SOUTHWEST OF CARSON AVENUE ELEV. = 630.848
B.M. # 76		MINI RAILROAD SPIKE SET IN SOUTHEAST FACE OF POWER POLE LOCATED AT NORTHWEST CORNER OF DIVISION STREET AND CENTER STREET ELEV. = 607.906
B.M. # 78		SOUTHWEST ARROW BOLT SET IN FIRE HYDRANT LOCATED AT SOUTHWEST CORNER OF ROUTE 30 AND TAYLOR STREET ELEV. = 645.018
B.M. # 9147		CHISELED "X" SET IN SOUTHWEST FACE OF LIGHT POLE LOCATED 50 FEET SOUTHWEST OF CP17 ELEV. = 620.138

ABBREVIATIONS

CONC	PORTLAND CEMENT CONCRETE	C&G	CURB AND GUTTER	X=	EXTERNAL DISTANCE OF VERTICAL CURVE
CL	CENTERLINE	BC	BACK OF CURB	PC	POINT OF CURVATURE
BIT	BITUMINOUS PAVEMENT	EOP	EDGE OF PAVEMENT	PI	POINT OF INTERSECTION
GR	GRAVEL	PL	PROPERTY LINE	PT	POINT OF TANGENCY
CMP	CORRUGATED METAL PIPE	ROW	RIGHT OF TANGENT	POT	POINT ON TANGENT
FH	FIRE HYDRANT	FL	FLOW LINE	PCC	POINT OF COMPOUND CURVATURE
CI	CAST IRON	TF	TOP OF FRAME	PRC	POINT OF REVERSE CURVE
DI	DUCTILE IRON	TC	TOP OF CURB OR CONCRETE	VC	VERTICAL CURVE
F-F	FACE-TO-FACE	R	STRUCTURE TO BE RECONSTRUCTED	N&W	NAIL AND WASHER
E-E	EDGE-TO-EDGE	A	STRUCTURE TO BE ADJUSTED	TCE	TEMPORARY CONSTRUCTION EASEMENT
B-B	BACK-TO-BACK	▲	CENTRAL ANGLE	SS	STORM SEWER
BM	BENCH MARK	D=	DEGREE OF CURVE	SAN SEW	SANITARY SEWER
INV EL	INVERT ELEVATION	T=	TANGENT LENGTH	PROP	PROPOSED
CL EL	CENTERLINE ELEVATION	L=	CURVE LENGTH	STN STL	STAINLESS STEEL
P	POINT	R=	RADIUS OF CURVE	RJT	RESTRAINED JOINT
G	GUTTER	E=	EXTERNAL DISTANCE	HDD	HORIZONTAL DIRECTIONALLY DRILLED
C	CURB	SE=	SUPERELEVATION (FT. PER FT. OF WIDTH)	LF	LINEAR FEET

FINAL DESIGN FOR BIDDING

P:\JOLIET\2325880-2025 WATER MAIN\CAD\UPPER BLUFF\01_CIVIL_3D\01_SHOTS-PLANS-UPPER BLUFF-COVER_SHEETS.DWG Legend
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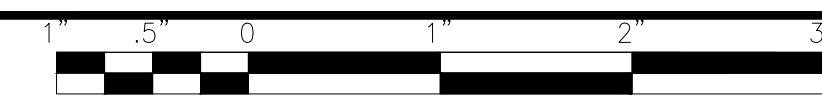
CITY OF JOLIET, ILLINOIS
UPPER BLUFF 2025 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2852-0125

LEGEND, ABBREVIATIONS AND BENCHMARKS	
SCALE:	1" = 20'
PROJECT NO:	2325880.00

DESIGNED -	TOTAL SHEETS	SHEET NO.
RMM	39	6002
DRAWN - ABN/UKB		
CHECKED - MJF		
DATE - 10/17/2024		

CITY OF JOLIET WATER SYSTEM GENERAL NOTES

SUMMARY OF QUANTITIES



- 1. VERIFY LOCATION, SIZE, AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION OF THE WATER MAIN...
17. SUCCESSFULLY TEST, DISINFECT, AND FLUSH WATER MAIN...
18. CITY OF JOLIET WILL ALLOW TESTING NEW WATER MAIN AGAINST EXISTING VALVES...
19. USE MECHANICAL JOINT FITTINGS TO PLUG/CAP EXISTING WATER MAINS...
20. AS-BUILT DRAWINGS SHALL BE PREPARED BY THE CONTRACTOR...
21. EROSION CONTROL WILL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD SPECIFICATIONS...
22. REPLACE ALL CONCRETE SIDEWALKS DISTURBED BY CONSTRUCTION...
23. PAVEMENT RESTORATION WILL BE MEASURED IN PLACE AND THE AREA COMPUTED IN SQUARE YARDS...
24. CONTRACTOR TO COMPLY WITH PROJECT MILESTONES AND REQUIREMENTS SPECIFIED IN SUPPLEMENTARY CONDITIONS...
25. CONTRACTOR TO DISTRIBUTE DOOR HANGERS AT VARIOUS MILESTONES DURING THE PROJECT...
26. CONTRACTOR SHALL COORDINATE WITH CITY ARBORIST IN AREAS WHERE THE WATER MAIN IS TO BE INSTALLED WITH TREE TUNNELING OR WHERE TREE REMOVAL IS NECESSARY...

Table with 4 columns: No., PAY ITEM, UNIT, QUANTITY. Includes items like TRAFFIC CONTROL AND PROTECTION (SPECIAL), GRANULAR TRENCH BACKFILL, TRENCH BACKFILL (SPECIAL), WATER MAIN (OPEN CUT), CASING PIPE, SANITARY SEWER REMOVAL AND REPLACEMENT, etc.

Table with 4 columns: No., PAY ITEM, UNIT, QUANTITY. Includes items like HOT-MIX ASPHALT REMOVAL AND REPLACEMENT, PCC DRIVEWAY REMOVAL AND REPLACEMENT, CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT, etc.

P:\JOLTC\2325880-2025 WATER MAIN\CAD\UPPER BLUFF\01_CIVIL_3D\01_SHTS-PLANS\UPPER BLUFF_COVER_SHEETS.DWG Gen Notes
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Table with 2 columns: CONSULTANTS, REVISED - (multiple rows)

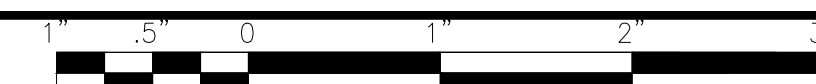
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UPPER BLUFF 2025 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2852-0125

SCALE: 1" = 20'

PROJECT NO: 2325880.00

Table with 4 columns: DESIGNED - RMM, DRAWN - ABN/UKB, CHECKED - MJF, DATE - 10/17/2024; TOTAL SHEETS 39, SHEET NO. 6003

FINAL DESIGN FOR BIDDING



MAINTENANCE OF TRAFFIC NOTES

1. THE SUGGESTED MAINTENANCE OF TRAFFIC CONTROL IS THE MINIMUM REQUIREMENT. ADDITIONAL TRAFFIC CONTROL DEVICES AS SPECIFIED BY THE CURRENT VERSION OF THE IDOT HIGHWAY STANDARDS, THE CURRENT VERSION OF THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, THE SPECIAL PROVISIONS AND AS DIRECTED BY THE ENGINEER SHALL BE PLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.
2. THE CONTRACTOR SHALL SUBMIT A PREPLANNED SEQUENCE OF WORK PRIOR TO THE START OF WORK FOR REVIEW AND APPROVAL. NO WORK SHALL COMMENCE UNTIL PREPLANNED SEQUENCE OF WORK HAS BEEN APPROVED BY THE CITY. WORK SHALL BE SCHEDULED TO MINIMIZE INCONVENIENCE TO BUSINESSES AND MAINTAIN A REASONABLE LEVEL OF CONSTRUCTION EFFICIENCY. THE CITY AND/OR ENGINEER RESERVES THE RIGHT TO RESTRICT WORK IN ANY SEGMENT IF CONSTRUCTION OPERATIONS ON A PREVIOUS SEGMENT ARE UNACCEPTABLE OR TRAFFIC CONTROL OPERATIONS BECOME UNACCEPTABLE.
3. THE ENGINEER AND THE CITY SHALL BE NOTIFIED OF ANY CHANGES TO CONSTRUCTION STAGING. ALL CHANGES TO CONSTRUCTION STAGING MUST BE APPROVED BY THE ENGINEER PRIOR TO IMPLEMENTATION.
4. ALL LANE CLOSURES SHALL BE IN ACCORDANCE WITH THE APPLICABLE HIGHWAY STANDARDS.
5. ALL ROADWAY CLOSURES THAT LAST MORE THAN TWENTY (20) MINUTES THAT DO NOT HAVE A DETOUR IN PLACE REQUIRE A ROADWAY CLOSURE PERMIT APPROVED BY THE CITY PRIOR TO CLOSURE. THE ROADWAY CLOSURE PERMIT SHALL BE SUBMITTED TO THE CITY FOR REVIEW A MINIMUM OF SEVEN (7) BUSINESS DAYS PRIOR TO THE ANTICIPATED CLOSURE. IF A ROADWAY IS TO BE CLOSED FOR NO MORE THAN TWENTY (20) MINUTES THE CONTRACTOR SHALL NOTIFY ALL EMERGENCY DEPARTMENTS WITHIN THE CITY PRIOR TO ANY LANE CLOSURE. SEE SPECIFICATION SECTION 01 41 26 FOR DETAILS.
6. ALL TRENCHES, HOLES, AND PITS SHALL BE FILLED OR STEEL PLATED AT THE END OF EACH DAY.
7. REFER TO DISTRICT DETAIL TC-10 FOR SIGNAGE FOR TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS.
8. ALL FLAGGERS REQUIRED FOR MAINTENANCE OF TRAFFIC, INCLUDING ANY FLAGGERS NEEDED TO MAINTAIN TRAFFIC FOR SIDE STREETS AND COMMERCIAL DRIVEWAYS, SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION.
9. EMERGENCY VEHICLE AND LOCAL TRAFFIC ACCESS SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION. ANY SIGNIFICANT CHANGE IN TRAFFIC CONTROL SHALL HAVE A PRIOR APPROVAL BY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF THREE (3) DAYS' NOTICE IN ADVANCE OF CONSTRUCTION ACTIVITIES WHICH IMPACT EMERGENCY SERVICES.
10. THE FURNISHING, INSTALLING, AND RELOCATING OF ALL TRAFFIC SIGNS WILL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION. ALL CONFLICTING TRAFFIC SIGNS SHALL BE COVERED AS DIRECTED BY THE ENGINEER. THIS WILL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION.
11. EXISTING TRAFFIC CONTROL DEVICES WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE PROTECTED FROM DAMAGE BY THE CONTRACTOR. ANY DAMAGED SIGNS CAUSED BY THIS WORK SHALL BE REPLACED BY THE CONTRACTOR.
12. THE COST OF ADDITIONAL DEPLOYMENTS, SETUPS AND/OR MOBILIZATIONS NEEDED FOR STAGED CONSTRUCTION SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
13. CONSTRUCTION VEHICLES AND/OR EQUIPMENT SHALL NOT BE PARKED OVERNIGHT WITHIN RIGHT-OF-WAY ADJACENT TO OR IN FRONT OF COMMERCIAL BUSINESS PROPERTIES. THE ENGINEER WILL ASSIST THE CONTRACTOR IN IDENTIFYING CONSTRUCTION STAGING LOCATIONS AT THE START OF CONSTRUCTION.
14. PROVIDE ACCESS TO PRIVATE DRIVEWAYS AT ALL TIMES EXCEPT DURING PIPELINE INSTALLATION ACROSS A DRIVEWAY. NOTIFY HOMEOWNERS OR BUSINESSES AT LEAST 24 HOURS, BUT NOT MORE THAN 48 HOURS IN ADVANCE OF AN ANTICIPATED DRIVEWAY CLOSURE, AND AGAIN JUST PRIOR TO CLOSING TO ALLOW HOMEOWNERS TO MOVE THEIR VEHICLES. MAINTAIN ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES.
15. ALL TRENCHES CROSSING DRIVEWAYS OR SIDEWALKS SHALL HAVE ACCESS RESTORED AT THE END OF THE WORK DAY.
16. ALL TRENCHES CROSSING EXISTING ROADWAYS OUTSIDE OF THE CLOSED LANES SHALL BE PATCHED OR PLATED AT THE END OF THE WORK DAY.
17. SEE SPECIFICATIONS FOR GRANULAR TRENCH BACKFILL AND PAVEMENT PATCHING REQUIREMENTS.
18. THE CONTRACTOR MUST OBTAIN PRIOR APPROVAL FROM THE CITY BEFORE COMPLETING NIGHT WORK ON THE WEEKENDS.
19. DROP-OFFS ADJACENT TO THE TRAVEL LANE SHALL BE KEPT TO A MINIMUM. PROTECTION OF THE DROP-OFF SHALL BE ACCORDING TO THE IDOT BUREAU OF SAFETY PROGRAMS AND ENGINEERING, SAFETY ENGINEERING POLICY MEMORANDUM 4-21. TEMPORARY CONCRETE BARRIER WALL IS SHOWN ON THE PLANS WHERE THE DROP-OFF REQUIREMENTS FOR USING BARRICADES CANNOT BE MET. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT THE DROP-OFFS ALONG THE REMAINING AREAS MEET THE OFFSET, HEIGHT, AND DURATION REQUIREMENTS TO USE BARRICADES. 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.
20. THE "ROAD CONSTRUCTION AHEAD" SIGNS SHALL REMAIN INSTALLED UNTIL THE COMPLETION OF THE PROJECT OR UNTIL NO ROADWAY HAZARDS REMAIN WITHIN THE WORK ZONE.

SEQUENCE OF CONSTRUCTION NOTES

1. SEE CONSTRUCTION PHASING INFORMATION AND EXHIBIT FOUND IN SECTION 01 31 13.16 PROJECT COORDINATION AND CONSTRUCTION PHASING OF THE PROJECT MANUAL FOR SPECIFIC GUIDANCE ON WORK AREA BREAKDOWN AND CONSTRUCTION SEQUENCING.

IDOT STANDARD DRAWINGS

- 701006-05 OFF-RD OPERATIONS, 2L, 2W, 15' TO 24' FROM PAVEMENT EDGE
- 701501-06 URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
- 701801-06 SIDEWALK, CORNER OR CROSSWALK CLOSURE
- 701901-09 TRAFFIC CONTROL DEVICES
- 780001-05 TYPICAL PAVEMENT MARKINGS

IDOT DISTRICT ONE STANDARDS

- TC-10 TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
- TC-13 DISTRICT ONE TYPICAL PAVEMENT MARKINGS

P:\JOLIET\2325880-2025 WATER MAIN\CAD\UPPER BLUFF\01_CIVIL_3D\01_SHITS-PLANS-UPPER-BLUFF-COVER-SHEETS.DWG Mot. Notes
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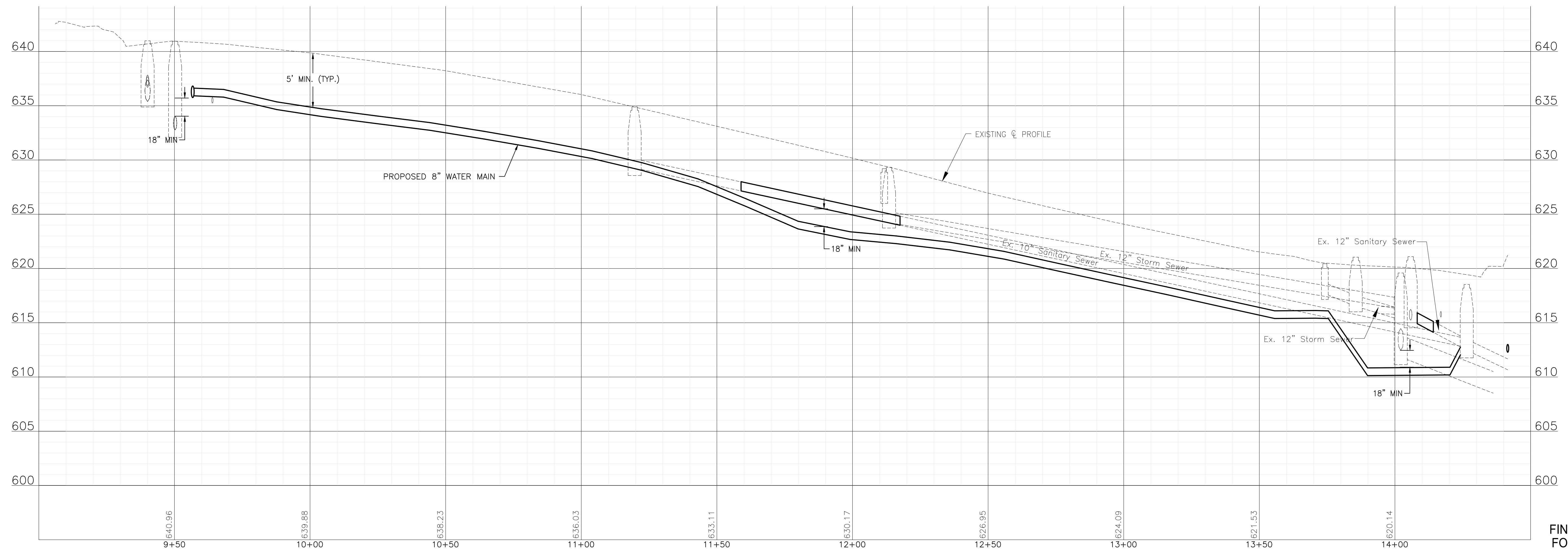
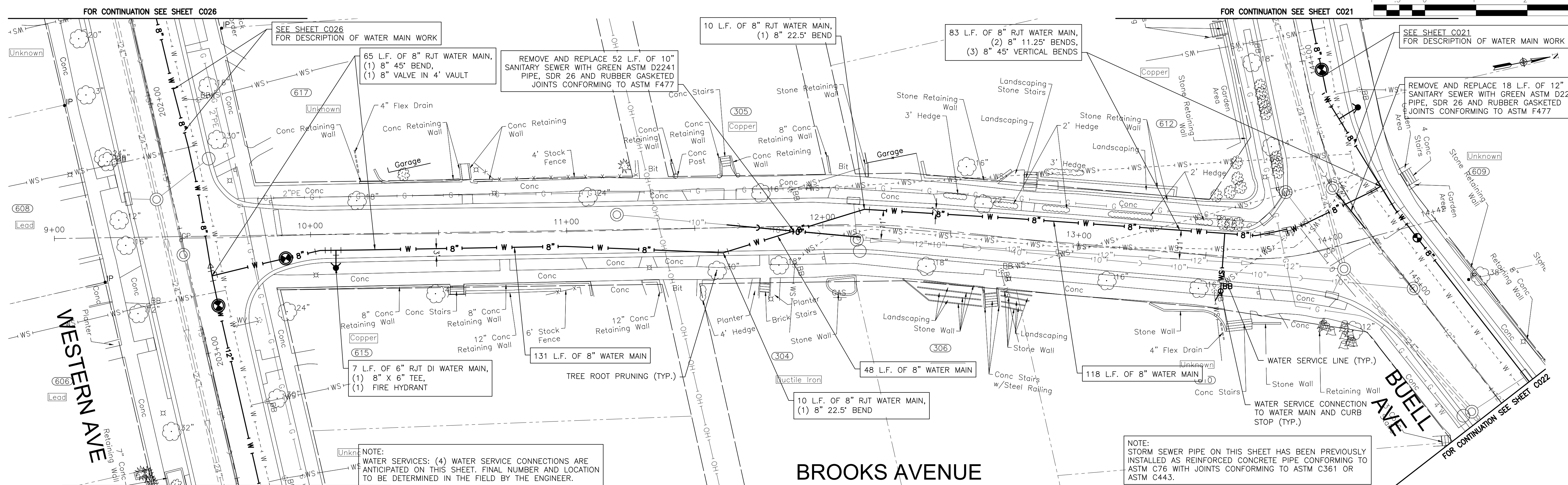
CITY OF JOLIET, ILLINOIS
UPPER BLUFF 2025 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2852-0125

MAINTENANCE OF TRAFFIC GENERAL NOTES, SEQUENCE OF CONSTRUCTION NOTES, AND STANDARDS

SCALE: AS NOTED PROJECT NO: 2325880.00

FINAL DESIGN FOR BIDDING

DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - ABN/UKB	39	G003
CHECKED - MJF		
DATE - 10/17/2024		



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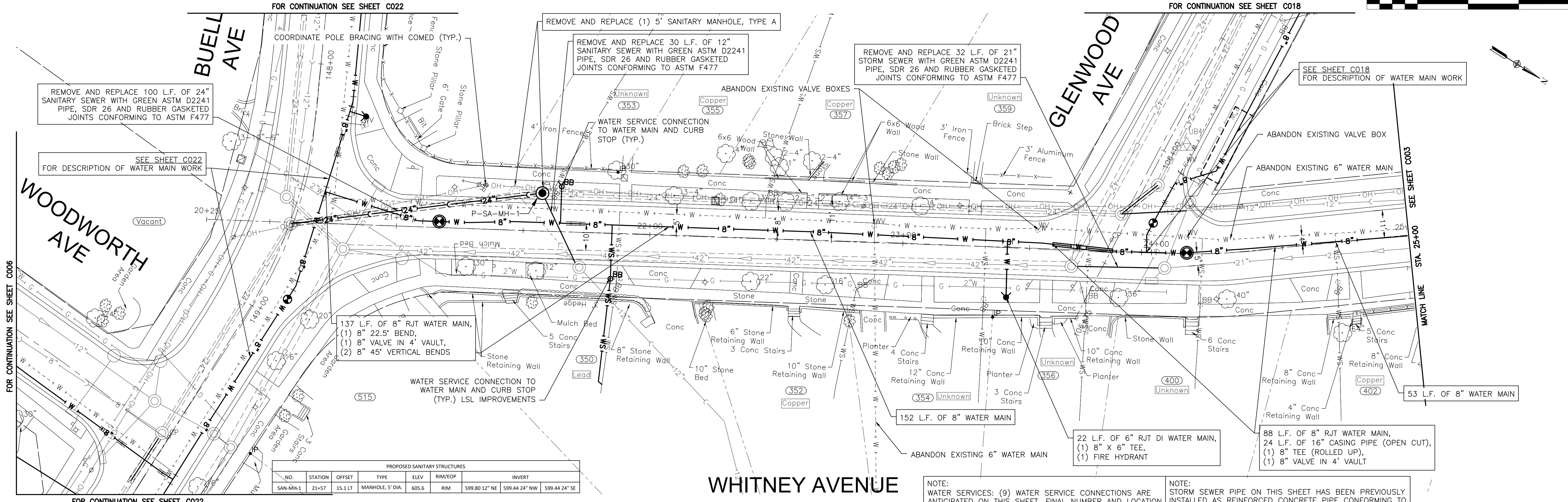
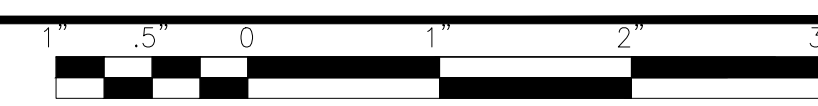
CONSULTANTS	REVISED -
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	REVISED -

CITY OF JOLIET, ILLINOIS
UPPER BLUFF 2025 WATER MAIN IMPROVEMENTS
WATER MAIN REPLACEMENT IEPA LOAN NO. L17-6076

BROOKS AVENUE STA. 9+00 TO STA. 14+50 PLAN AND PROFILE
 SCALE: HORIZ 1"=20' / VERT 1"=5'
 PROJECT NO: 2325880.00

DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - UKB	39	C001
CHECKED - MJF		
DATE - 10/17/2024		

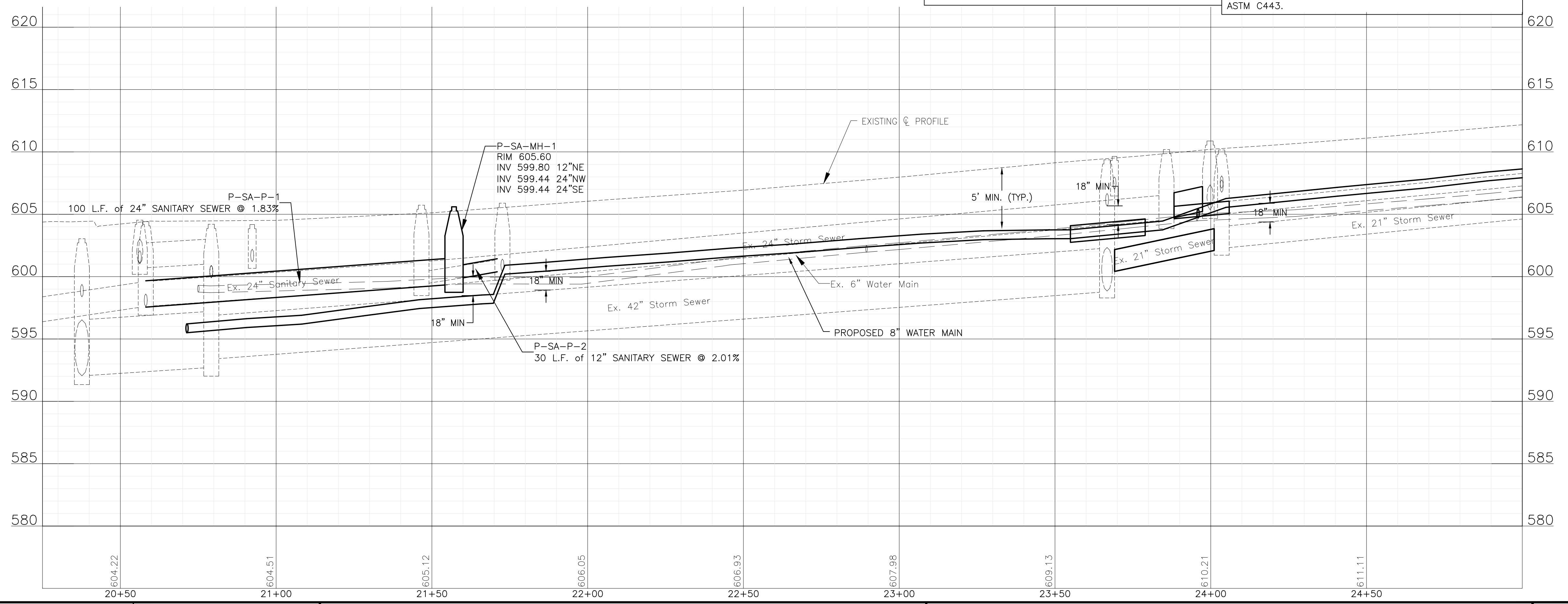
FINAL DESIGN FOR BIDDING



PROPOSED SANITARY STRUCTURES						
NO.	STATION	OFFSET	TYPE	ELEV.	RIM/EOP	INVERT
SAN-MH-1	21+57	15.1 LT	MANHOLE, 5' DIA.	605.6	RIM	599.80 12" NE 599.44 24" NW 599.44 24" SE

NOTE: WATER SERVICES: (9) WATER SERVICE CONNECTIONS ARE ANTICIPATED ON THIS SHEET. FINAL NUMBER AND LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

NOTE: STORM SEWER PIPE ON THIS SHEET HAS BEEN PREVIOUSLY INSTALLED AS REINFORCED CONCRETE PIPE CONFORMING TO ASTM C76 WITH JOINTS CONFORMING TO ASTM C361 OR ASTM C443.



**CITY OF JOLIET, ILLINOIS
UPPER BLUFF 2025 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2852-0125**

WHITNEY AVENUE STA. 20+25 TO STA. 25+00 PLAN AND PROFILE

SCALE: HORIZ 1"=20' / VERT 1"=5'

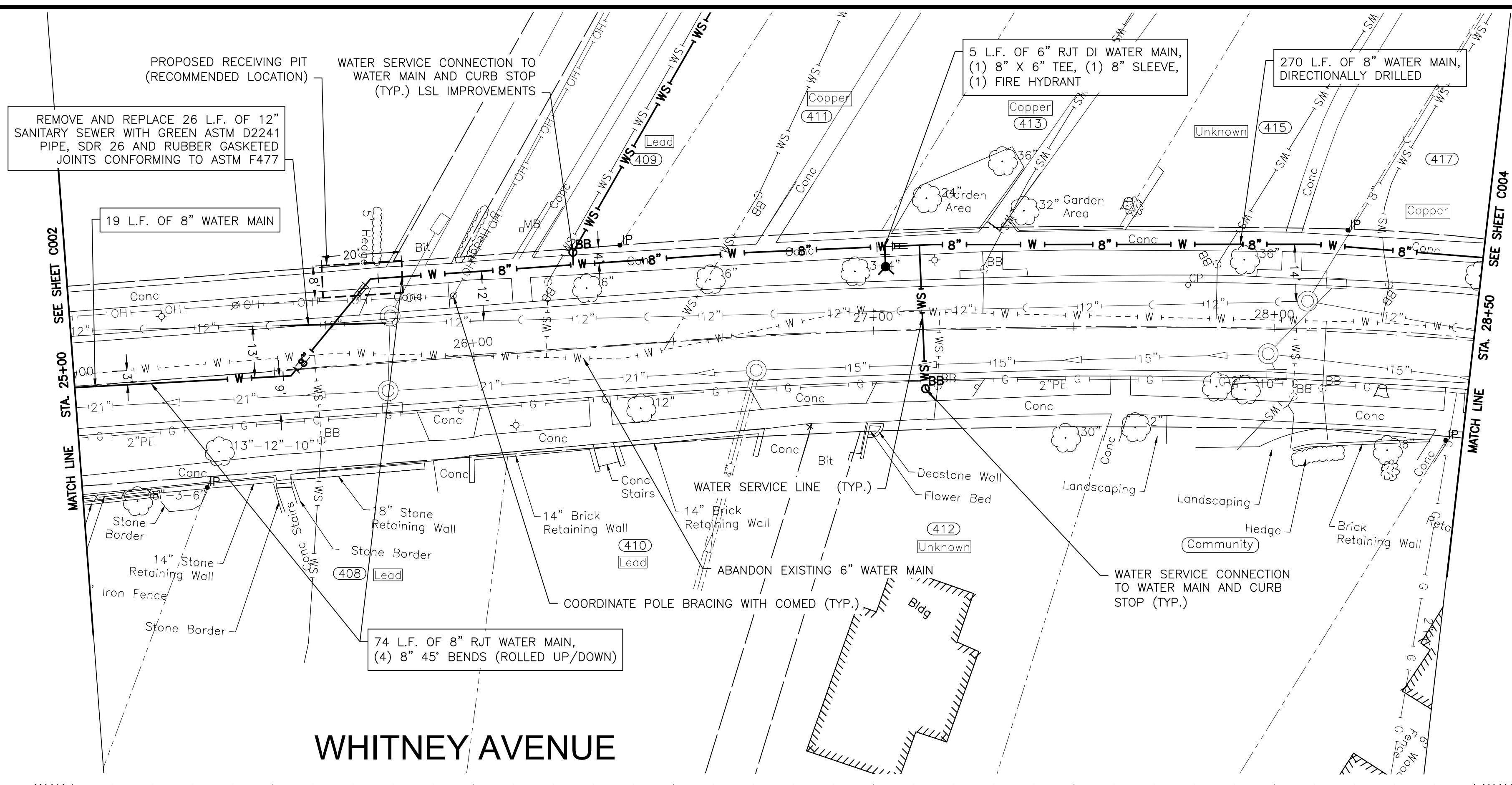
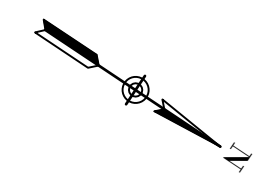
PROJECT NO: 2325880.00

**FINAL DESIGN
FOR BIDDING**

DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - UKB	39	C002
CHECKED - MJF		
DATE - 10/17/2024		

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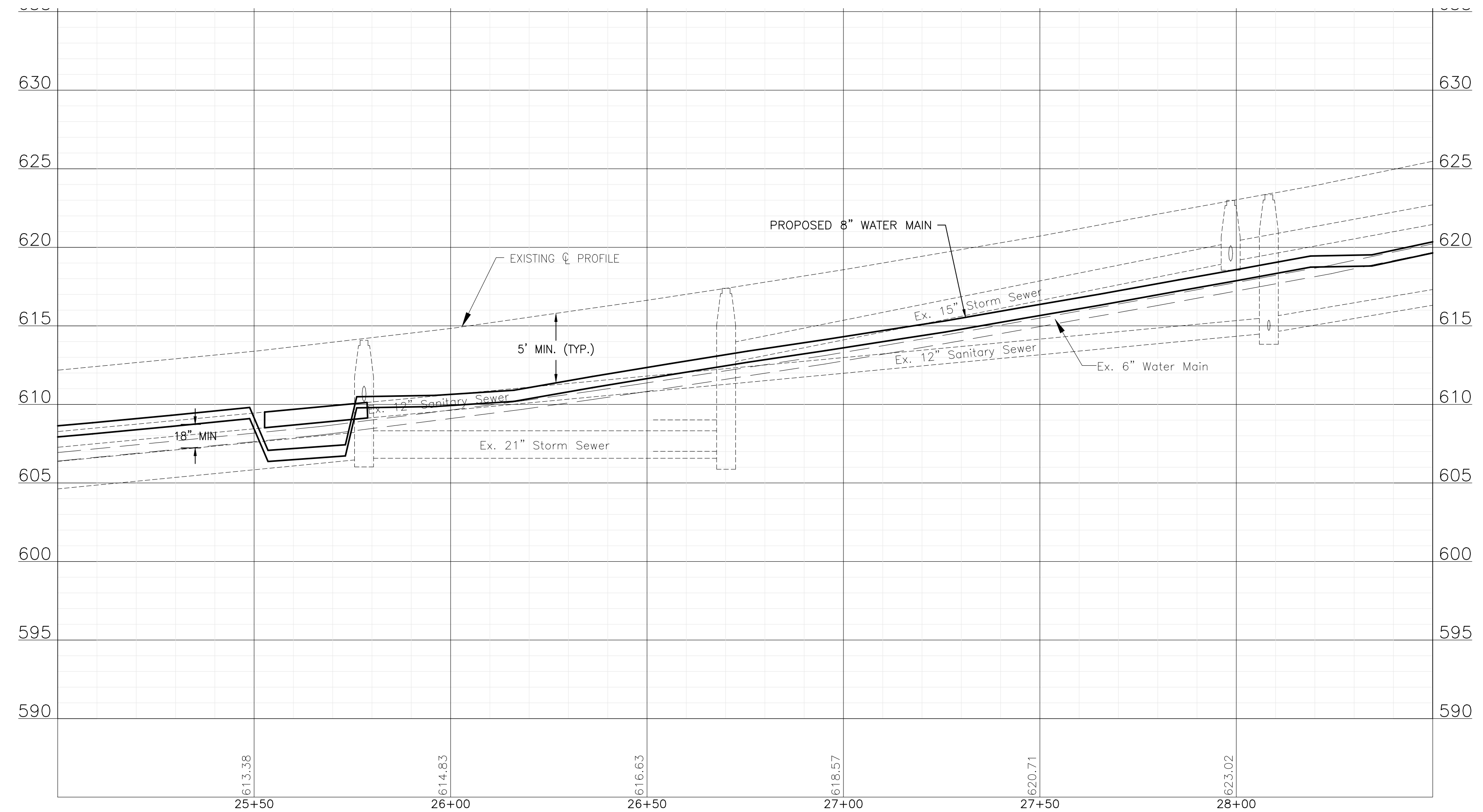




NOTE:
WATER SERVICES: (B) WATER SERVICE CONNECTIONS ARE ANTICIPATED ON THIS SHEET. FINAL NUMBER AND LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

NOTE:
STORM SEWER PIPE ON THIS SHEET HAS BEEN PREVIOUSLY INSTALLED AS REINFORCED CONCRETE PIPE CONFORMING TO ASTM C76 WITH JOINTS CONFORMING TO ASTM C361 OR ASTM C443.

WHITNEY AVENUE



P:\JOLIET\2325880-2025 WATER MAIN\CAD\UPPER BLUFF\01_CIVIL_3D\01_SHTS-PLANS-PLANS\2325880-UPPER_BLUFF-WHITNEYAVE.DWG 25+00.00
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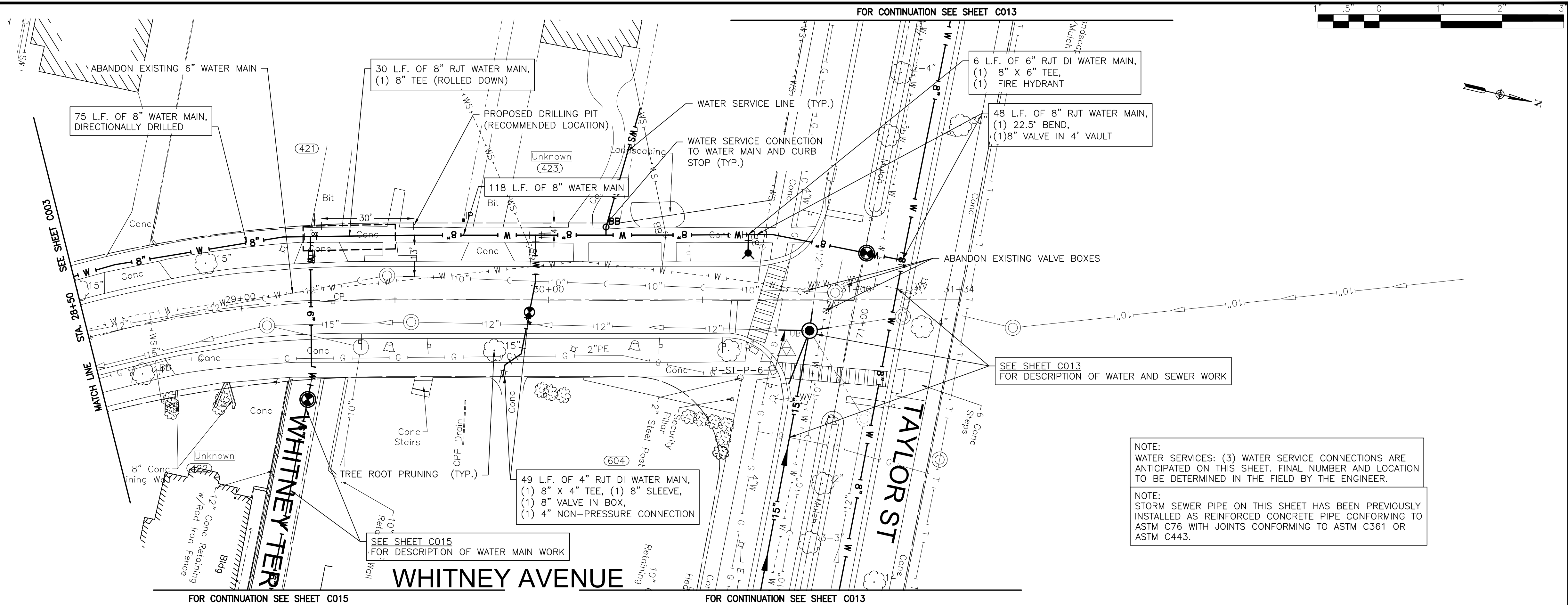
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CITY OF JOLIET, ILLINOIS
UPPER BLUFF 2025 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2852-0125

WHITNEY AVENUE STA. 25+00 TO STA. 28+50 PLAN AND PROFILE

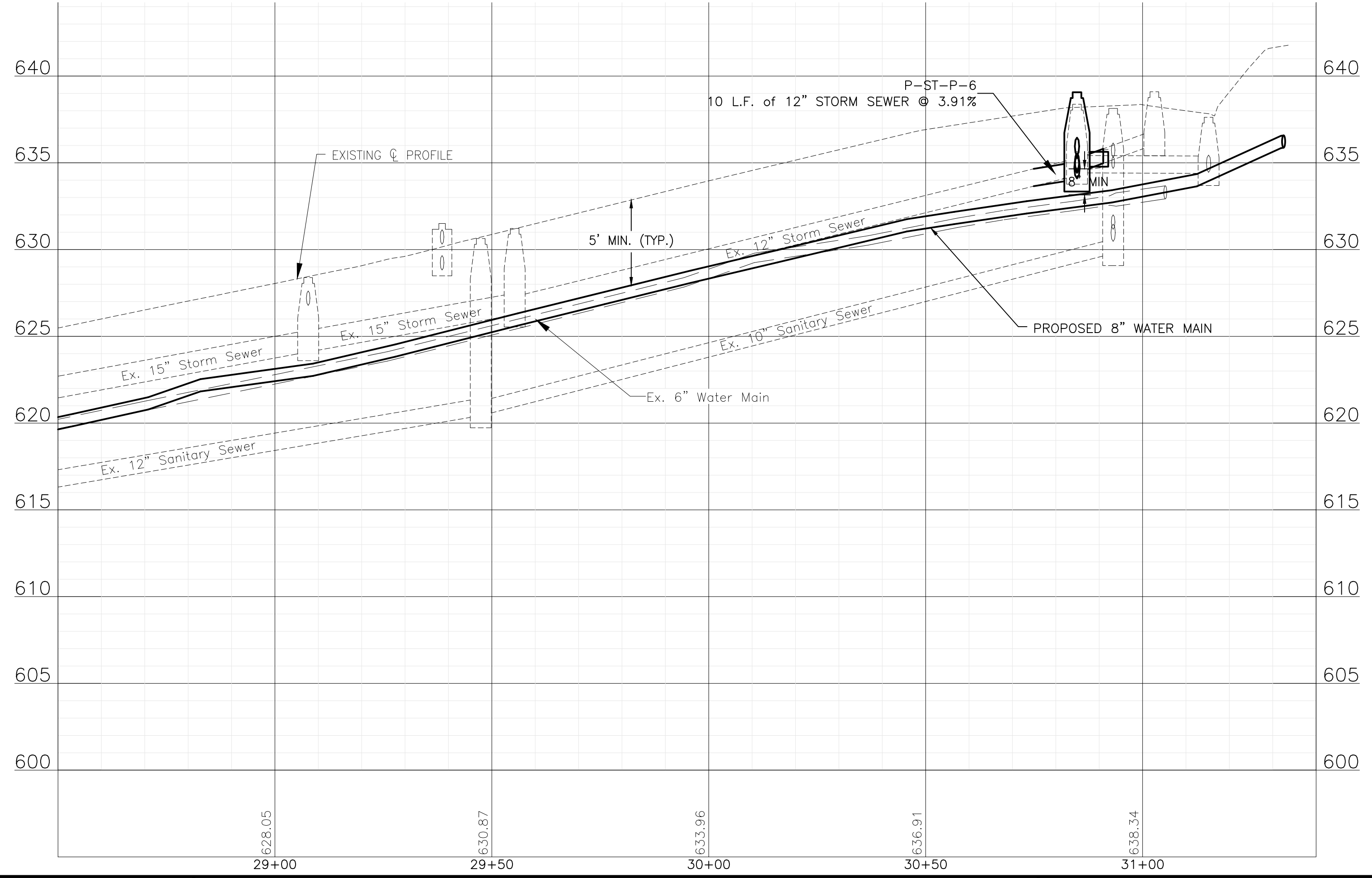
SCALE: HORIZ 1"=20' / VERT 1"=5'
 PROJECT NO: 2325880.00

DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - UKB	39	C003
CHECKED - MJF		
DATE - 10/17/2024		



NOTE:
 WATER SERVICES: (3) WATER SERVICE CONNECTIONS ARE ANTICIPATED ON THIS SHEET. FINAL NUMBER AND LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

NOTE:
 STORM SEWER PIPE ON THIS SHEET HAS BEEN PREVIOUSLY INSTALLED AS REINFORCED CONCRETE PIPE CONFORMING TO ASTM C76 WITH JOINTS CONFORMING TO ASTM C361 OR ASTM C443.



P:\JOLTC\2325880-2025 WATER MAIN\CAD\UPPER BLUFF\01_CIVIL_3D\01_SHTS-PLANS-UPPER BLUFF\01_UPPER_BLUFF-WHITNEYAVE.DWG 28+50.00
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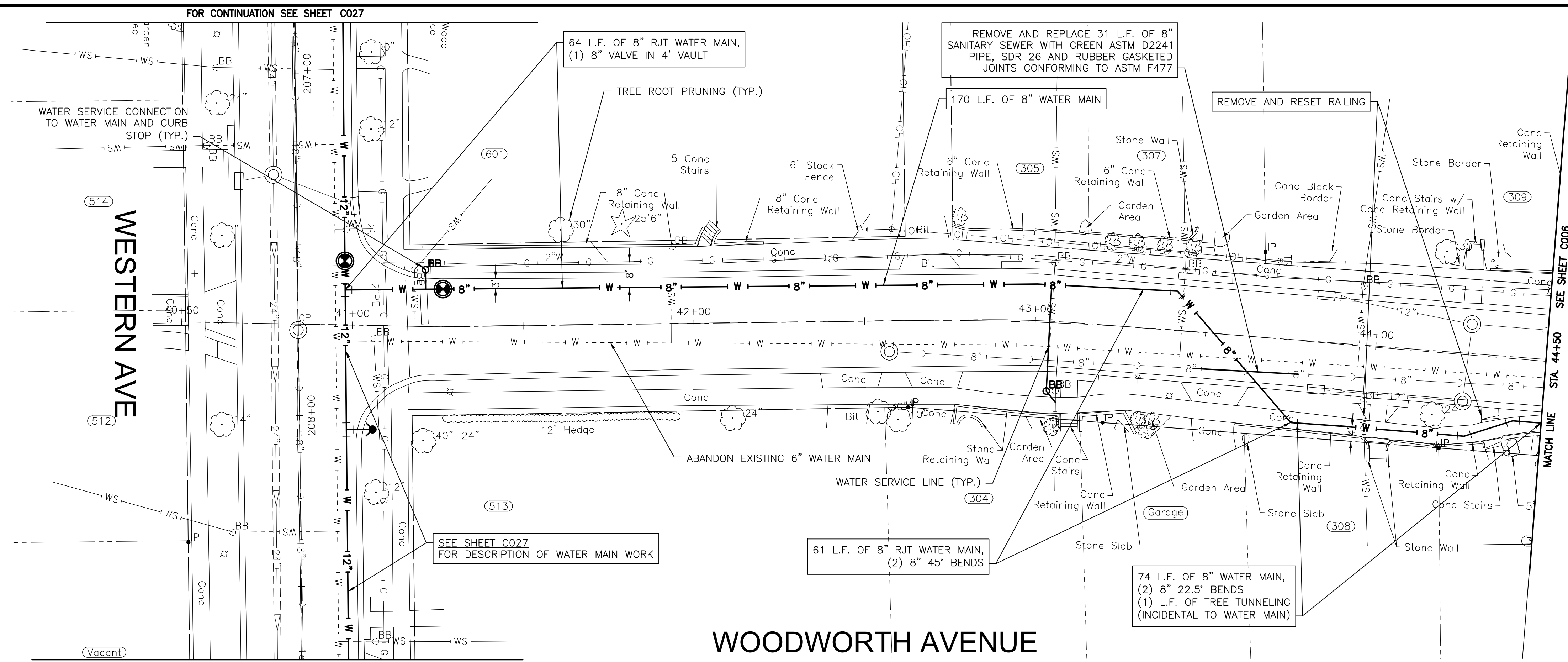
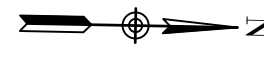
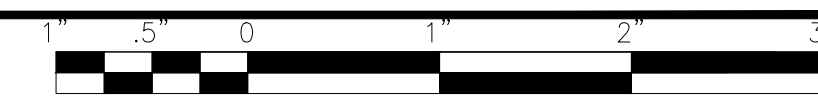
CITY OF JOLIET, ILLINOIS
UPPER BLUFF 2025 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2852-0125

WHITNEY AVENUE STA. 28+50 TO STA. 31+00 PLAN AND PROFILE

SCALE: HORIZ 1"=20' / VERT 1"=5'
 PROJECT NO: 2325880.00

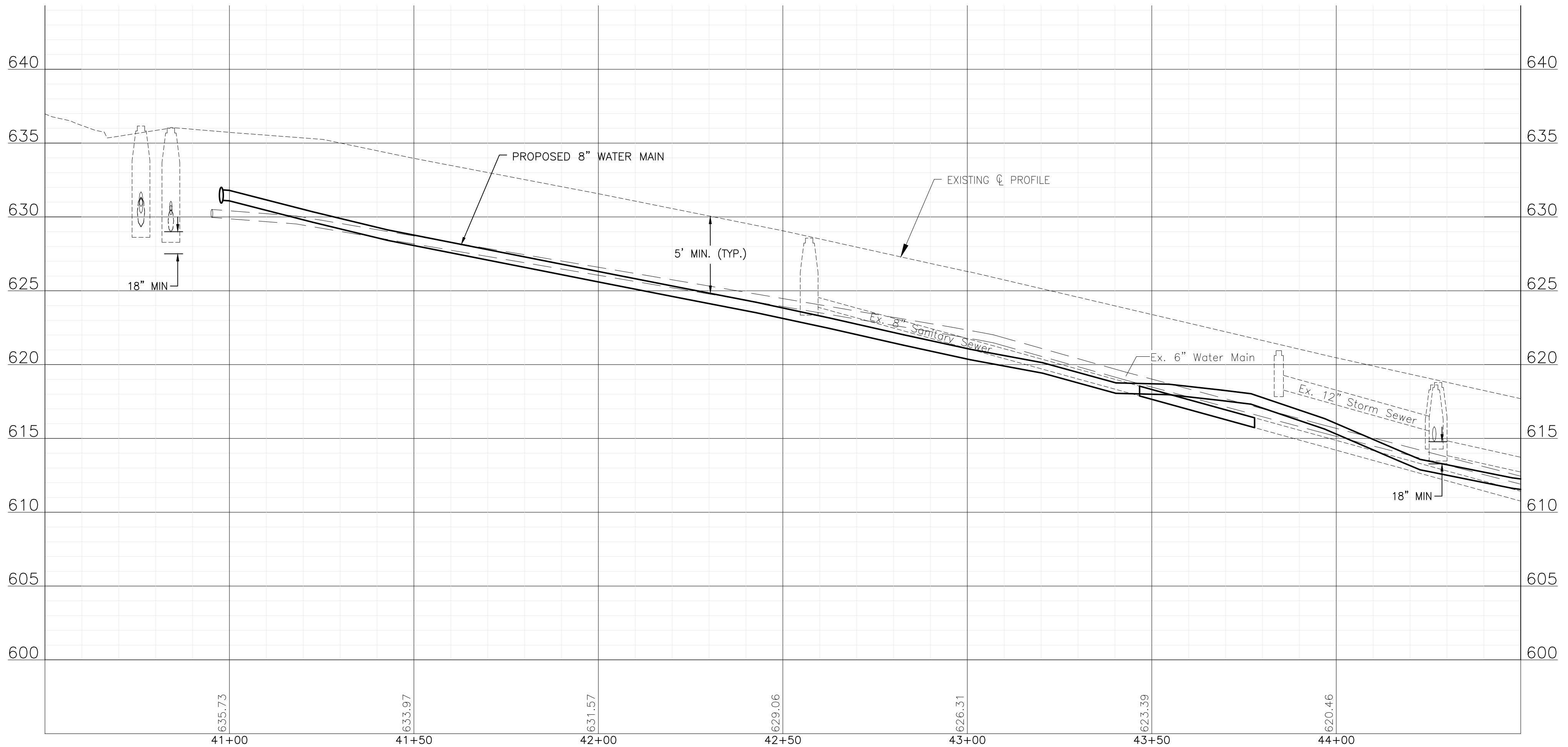
DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - UKB		
CHECKED - MJF		
DATE - 10/17/2024		C004

FINAL DESIGN
FOR BIDDING



NOTE:
WATER SERVICES: (7) WATER SERVICE CONNECTIONS ARE ANTICIPATED ON THIS SHEET. FINAL NUMBER AND LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

NOTE:
STORM SEWER PIPE ON THIS SHEET HAS BEEN PREVIOUSLY INSTALLED AS REINFORCED CONCRETE PIPE CONFORMING TO ASTM C76 WITH JOINTS CONFORMING TO ASTM C361 OR ASTM C443.



P:\JOLIET\2325880-2025 WATER MAIN\CAD\UPPER BLUFF\01_CIVIL\3D\01_SHTS-PLANS\UPPER BLUFF\01_UPPER BLUFF-WOODWORTHAVE.DWG 40+84.15
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CITY OF JOLIET, ILLINOIS
UPPER BLUFF 2025 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2852-0125

WOODWORTH AVENUE STA. 40+50 TO STA. 44+50 PLAN AND PROFILE

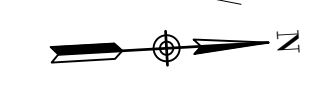
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DRAWN - UKB	39	C005
CHECKED - MJF		
DATE - 10/17/2024		

SCALE: HORIZ 1"=20' / VERT 1"=5'

PROJECT NO: 2325880.00

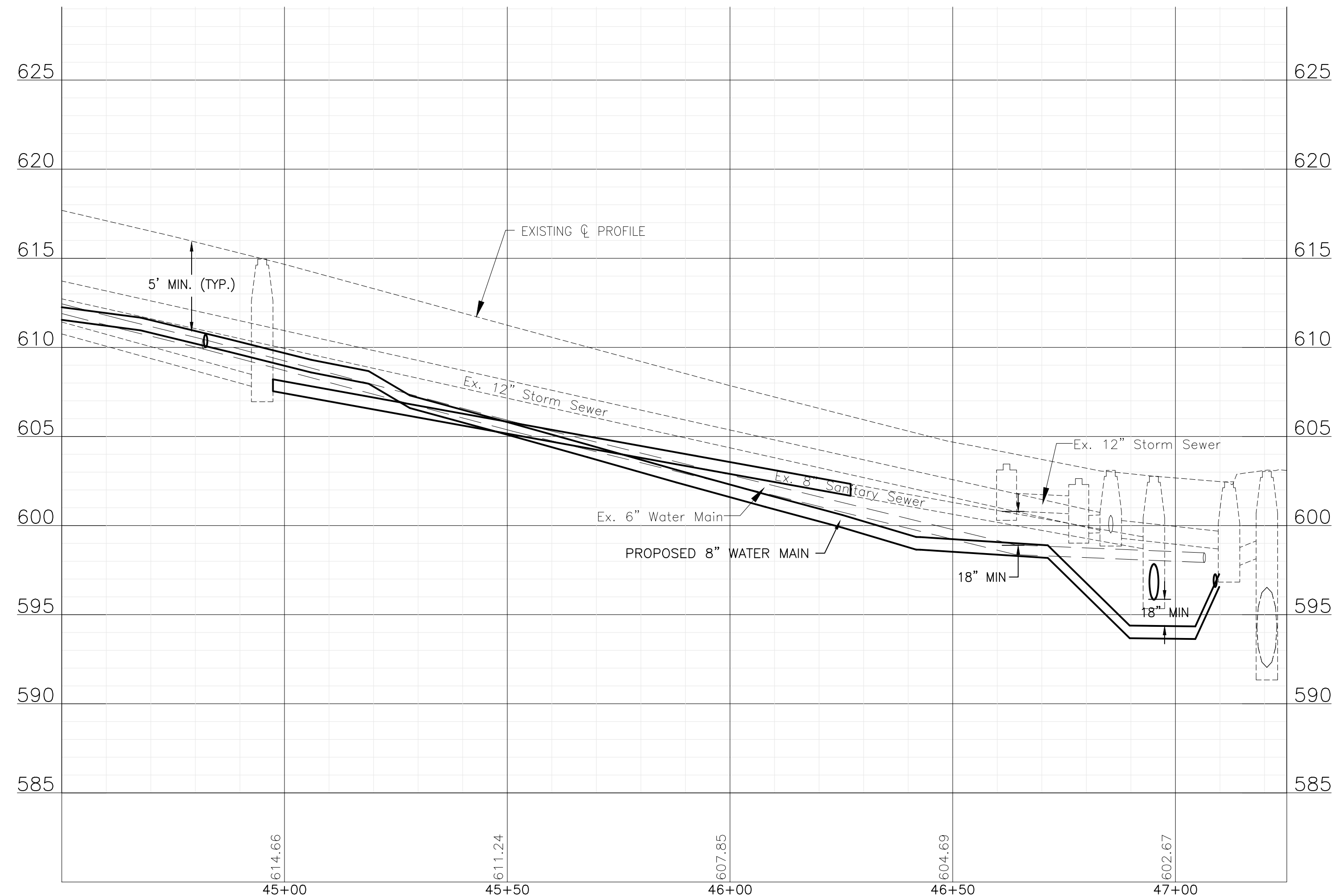
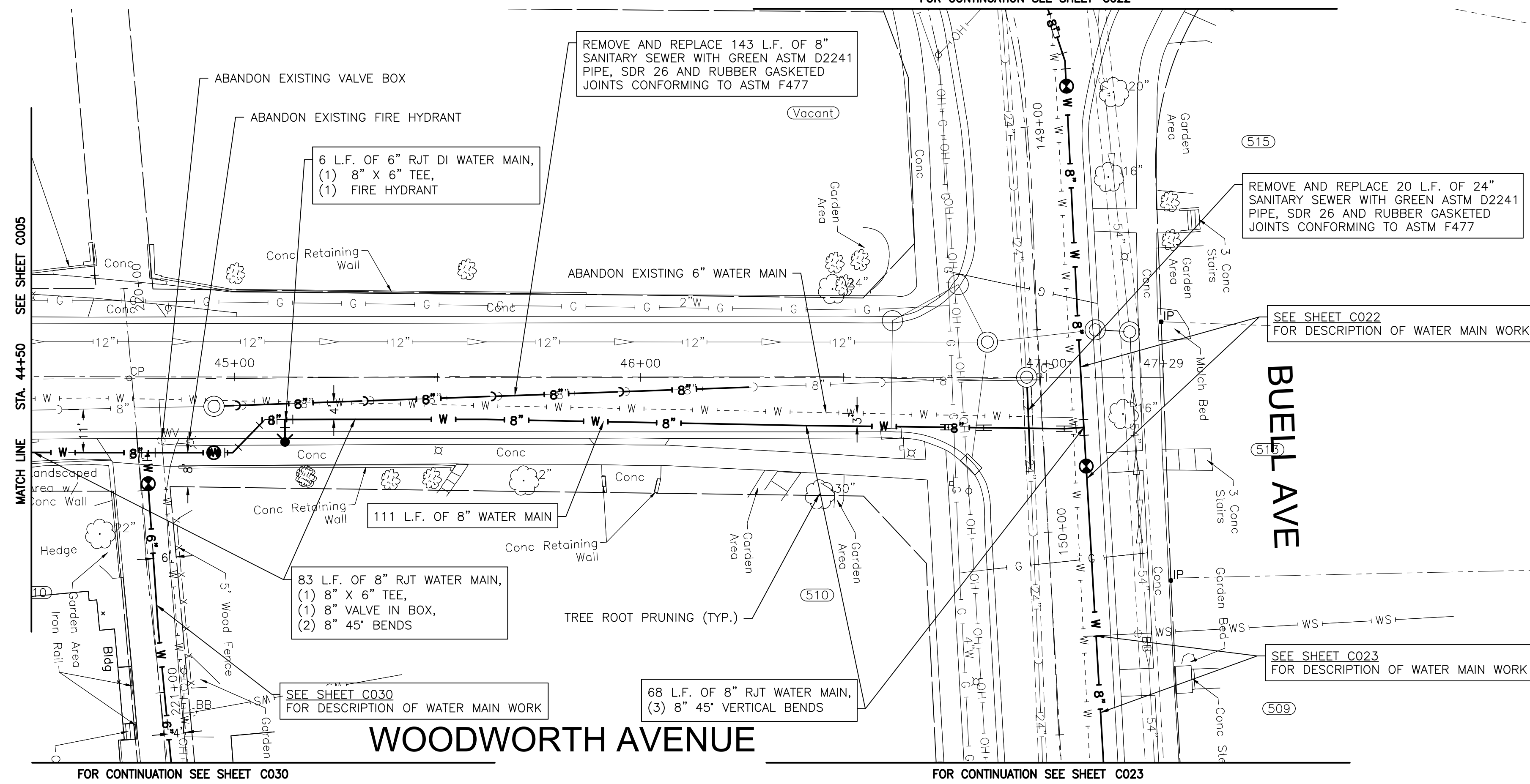
FINAL DESIGN FOR BIDDING

FOR CONTINUATION SEE SHEET C022



NOTE:
WATER SERVICES: (O) WATER SERVICE CONNECTIONS ARE ANTICIPATED ON THIS SHEET. FINAL NUMBER AND LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

NOTE:
STORM SEWER PIPE ON THIS SHEET HAS BEEN PREVIOUSLY INSTALLED AS REINFORCED CONCRETE PIPE CONFORMING TO ASTM C76 WITH JOINTS CONFORMING TO ASTM C361 OR ASTM C443.



P:\JOL\2325880-2025 WATER MAIN\CAD\UPPER BLUFF\01_CIVIL_3D\01_SHTS-PLANS-UPPER_BLUFF-WOODWORTHAVE.DWG 44+50.00
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CITY OF JOLIET, ILLINOIS
UPPER BLUFF 2025 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2852-0125

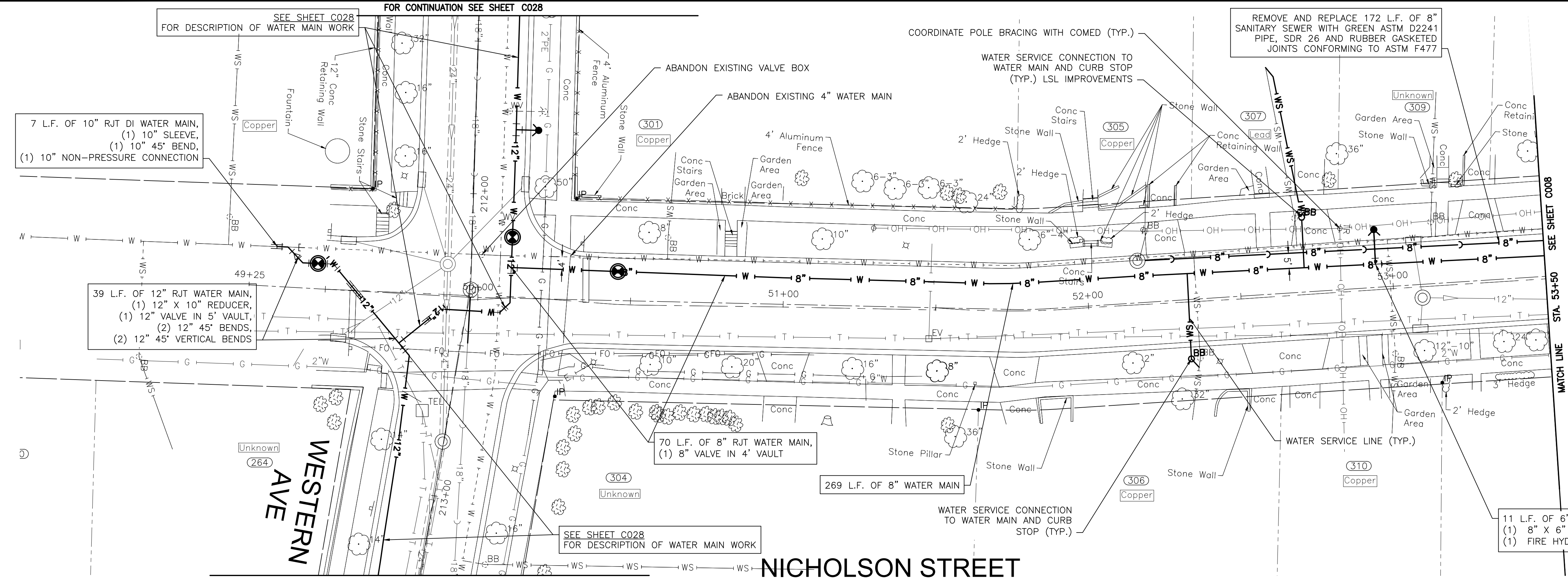
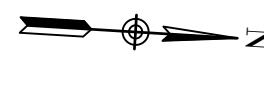
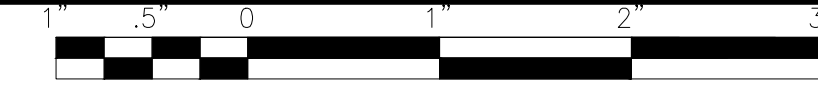
WOODWORTH AVENUE STA. 44+50 TO STA. 47+30 PLAN AND PROFILE

SCALE: HORIZ 1"=20' / VERT 1"=5'

PROJECT NO: 2325880.00

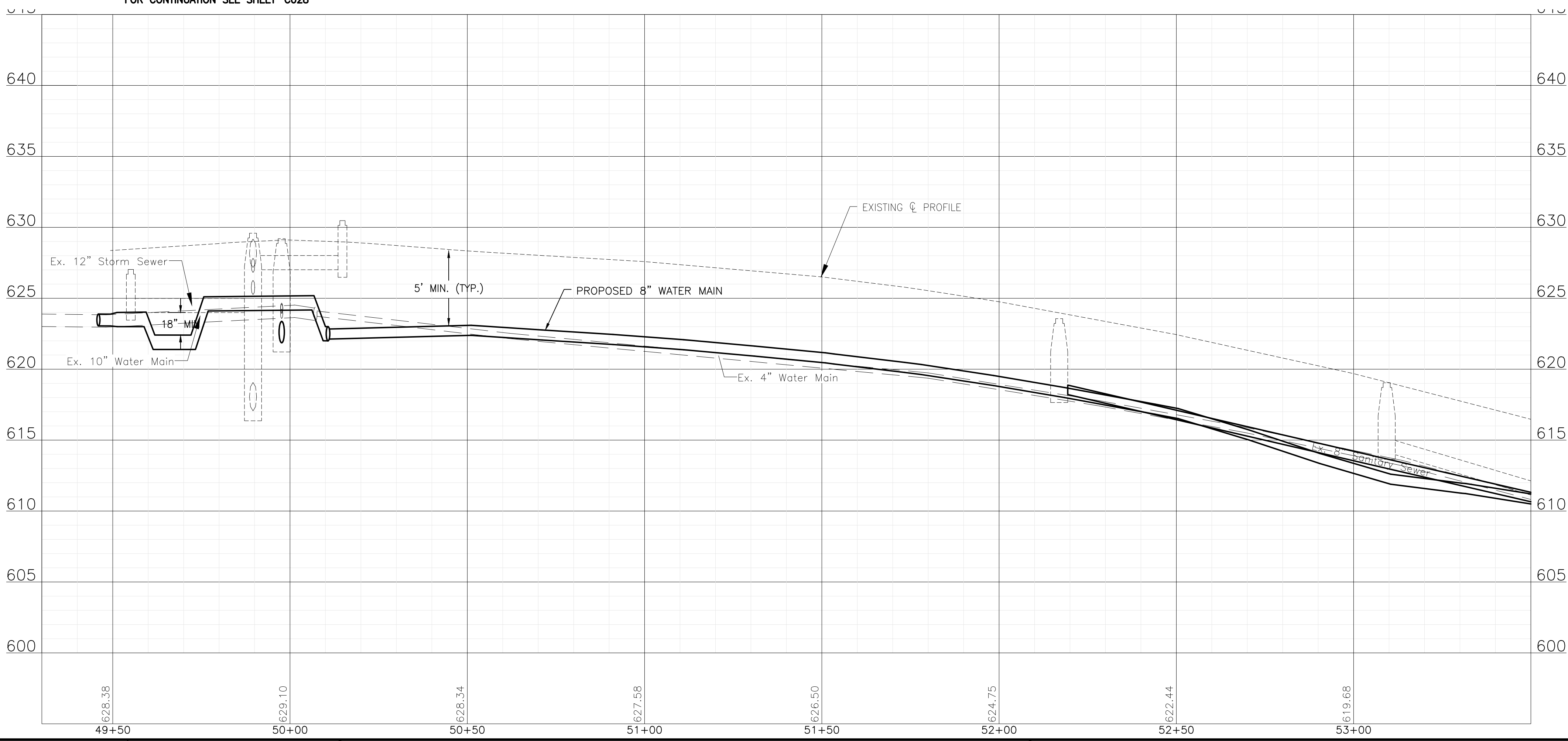
DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - UKB	39	C006
CHECKED - MJF		
DATE - 10/17/2024		

FINAL DESIGN
FOR BIDDING



NOTE:
WATER SERVICES: (6) WATER SERVICE CONNECTIONS ARE ANTICIPATED ON THIS SHEET. FINAL NUMBER AND LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

NOTE:
STORM SEWER PIPE ON THIS SHEET HAS BEEN PREVIOUSLY INSTALLED AS REINFORCED CONCRETE PIPE CONFORMING TO ASTM C76 WITH JOINTS CONFORMING TO ASTM C361 OR ASTM C443.



P:\JOLTC\2325880-2025 WATER MAIN\CAD\UPPER BLUFF\01_CIVIL_3D\01_SHTS-PLANS-UPPER BLUFF-NICHOLSONAVE.DWG 49+49.33
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CITY OF JOLIET, ILLINOIS
UPPER BLUFF 2025 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2852-0125

NICHOLSON AVENUE STA. 49+25 TO STA. 53+50 PLAN AND PROFILE

SCALE: HORIZ 1"=20' / VERT 1"=5'
 PROJECT NO: 2325880.00

DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - UKB	39	C007
CHECKED - MJF		
DATE - 10/17/2024		

FINAL DESIGN FOR BIDDING

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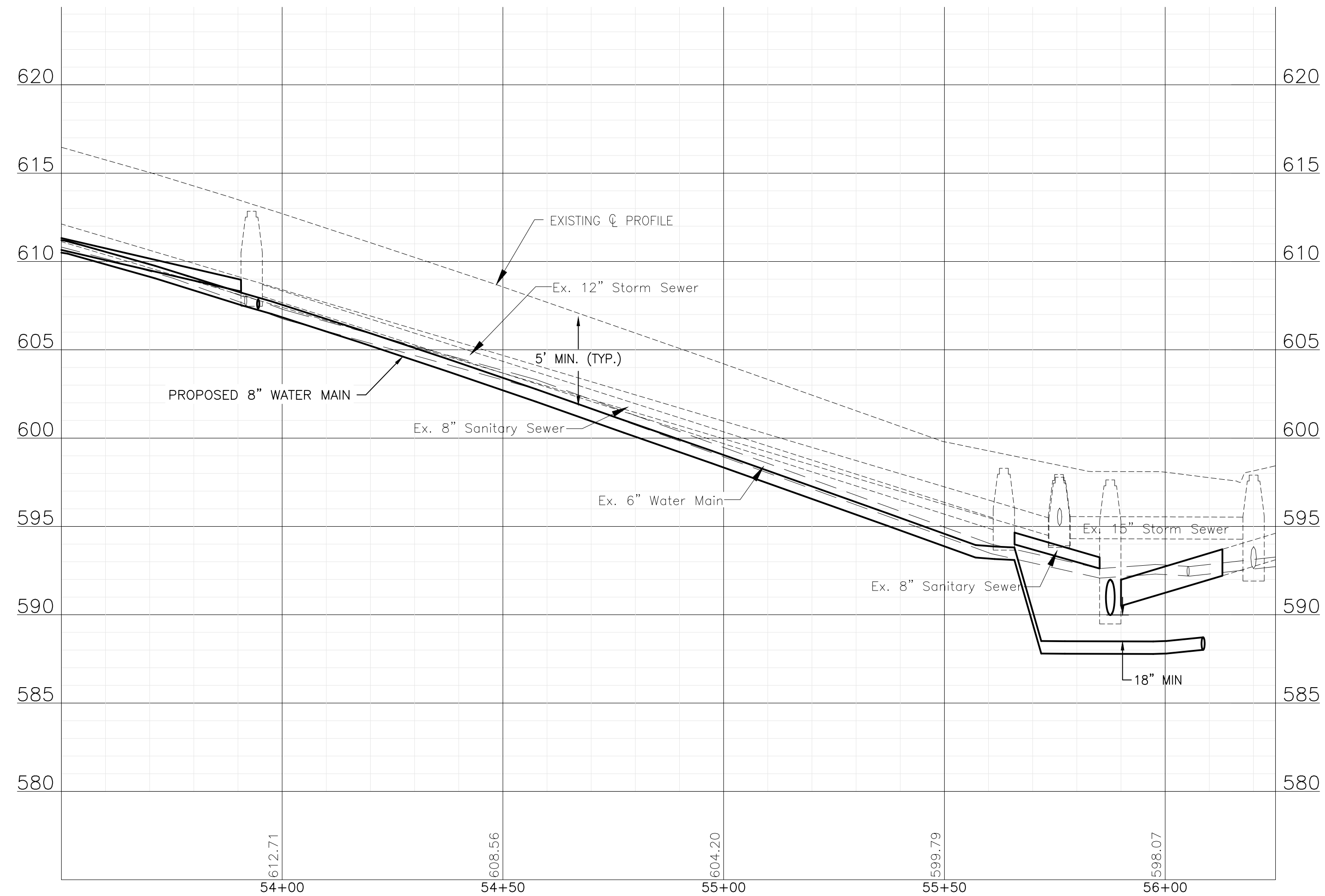
**CITY OF JOLIET, ILLINOIS
 UPPER BLUFF 2025 WATER MAIN IMPROVEMENTS
 CITY OF JOLIET CONTRACT NO. 2852-0125**

NICHOLSON AVENUE STA. 53+50 TO STA. 56+50 PLAN AND PROFILE

SCALE: HORIZ 1"=20' / VERT 1"=5'

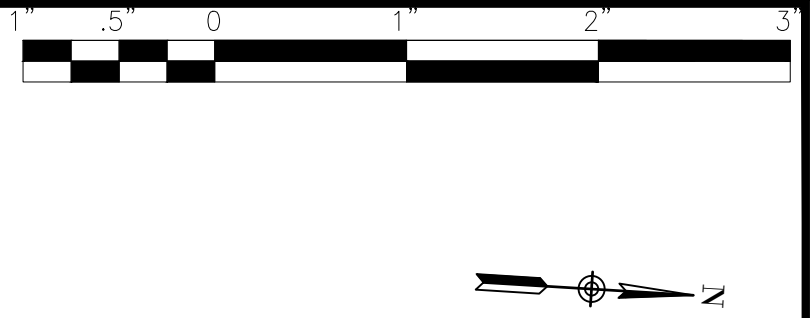
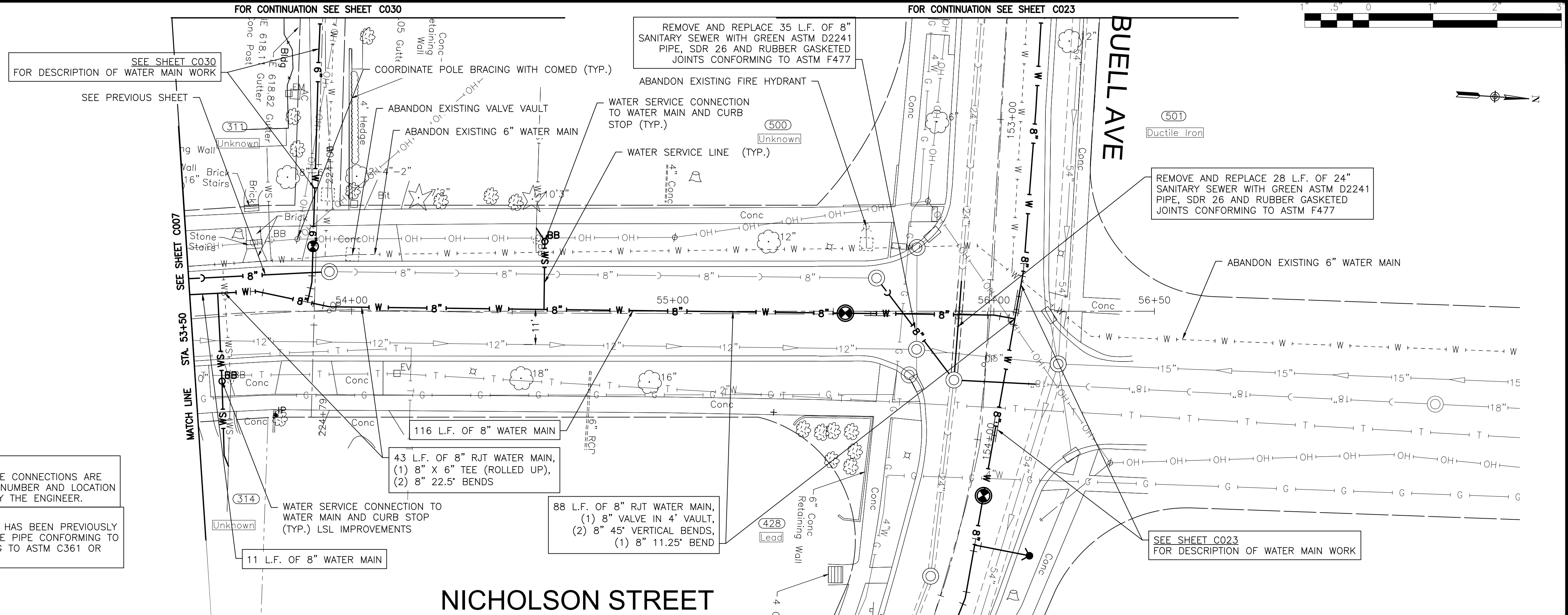
PROJECT NO: 2325880.00

DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
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CHECKED - MJF		
DATE - 10/17/2024		

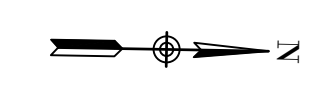
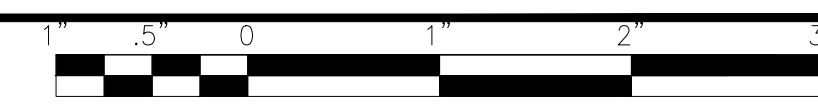


NOTE:
 WATER SERVICES: (4) WATER SERVICE CONNECTIONS ARE ANTICIPATED ON THIS SHEET. FINAL NUMBER AND LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

NOTE:
 STORM SEWER PIPE ON THIS SHEET HAS BEEN PREVIOUSLY INSTALLED AS REINFORCED CONCRETE PIPE CONFORMING TO ASTM C76 WITH JOINTS CONFORMING TO ASTM C361 OR ASTM C443.



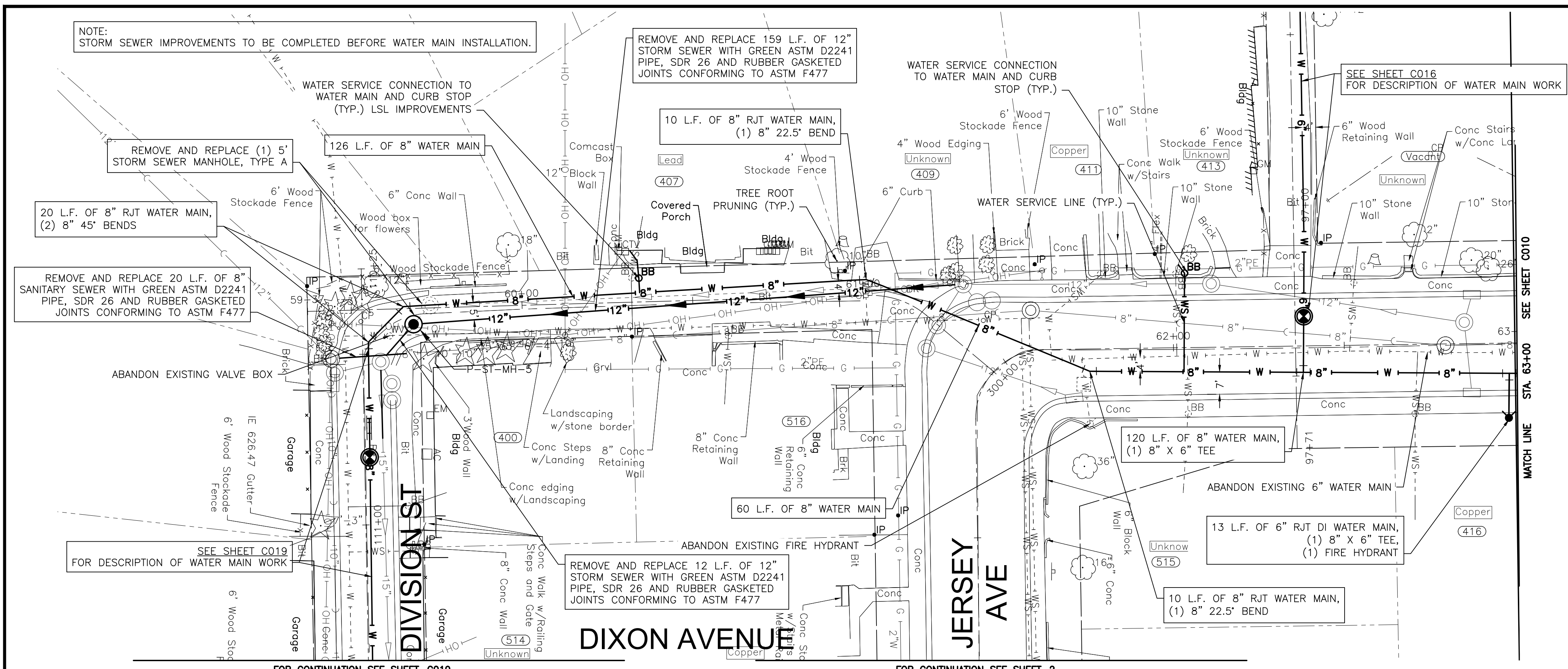
FINAL DESIGN
 FOR BIDDING



PROPOSED STORM STRUCTURES						
NO.	STATION	OFFSET	TYPE	ELEV	RIM/EOP	INVERT
ST-MH-5	59+68	4.5 RT	MANHOLE, 5' DIA.	625.61	RIM	621.58 12° N 620.00 12° SE

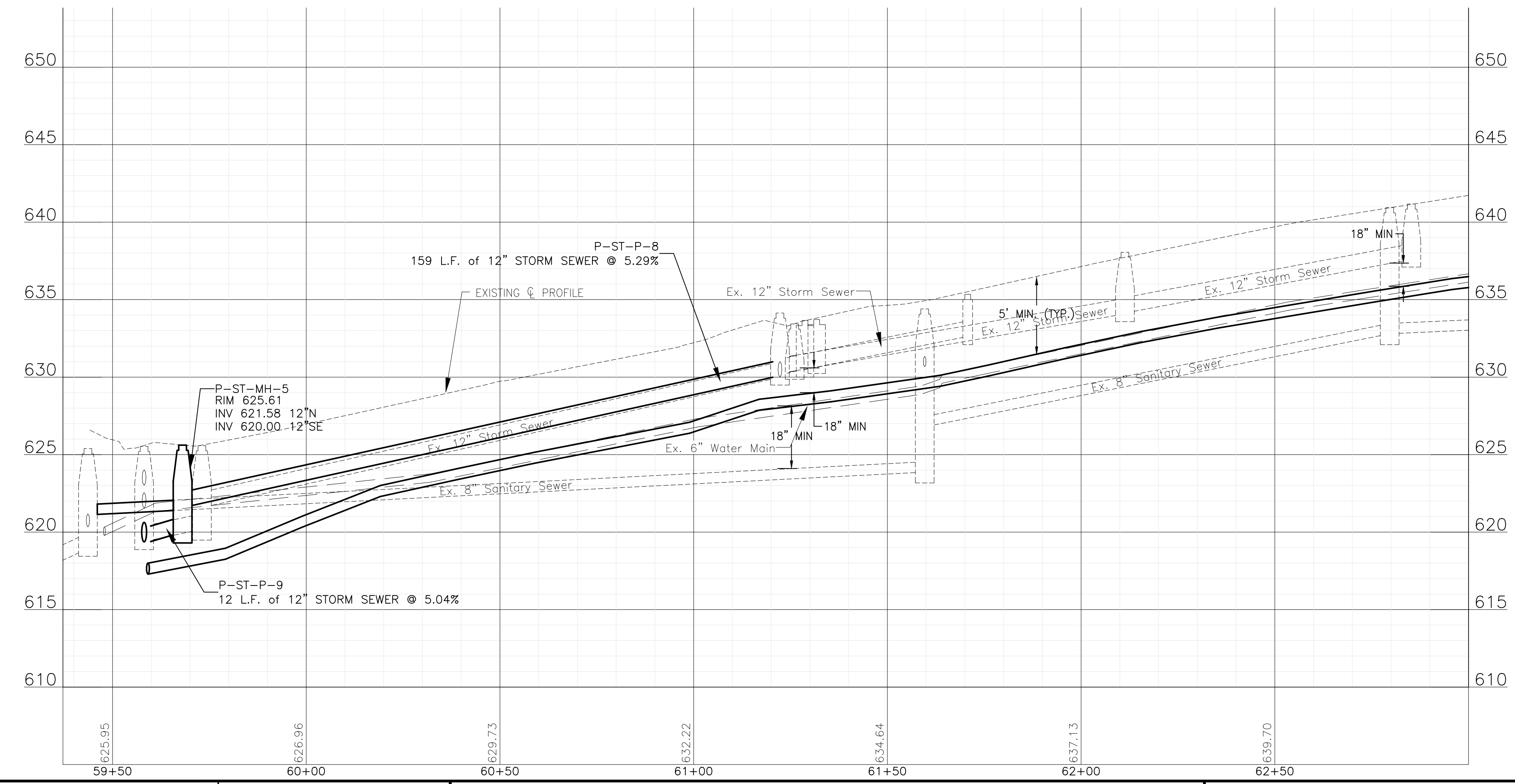
NOTE:
WATER SERVICES: (5) WATER SERVICE CONNECTIONS ARE ANTICIPATED ON THIS SHEET. FINAL NUMBER AND LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

NOTE:
STORM SEWER PIPE ON THIS SHEET HAS BEEN PREVIOUSLY INSTALLED AS REINFORCED CONCRETE PIPE CONFORMING TO ASTM C76 WITH JOINTS CONFORMING TO ASTM C361 OR ASTM C443.



FOR CONTINUATION SEE SHEET C019

FOR CONTINUATION SEE SHEET ?



FINAL DESIGN FOR BIDDING

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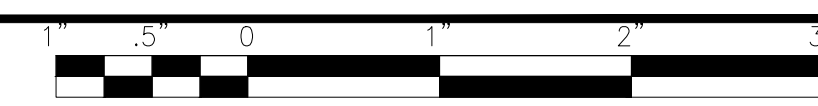
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CITY OF JOLIET, ILLINOIS
UPPER BLUFF 2025 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2852-0125

DIXON AVENUE STA. 59+50 TO STA. 63+00 PLAN AND PROFILE

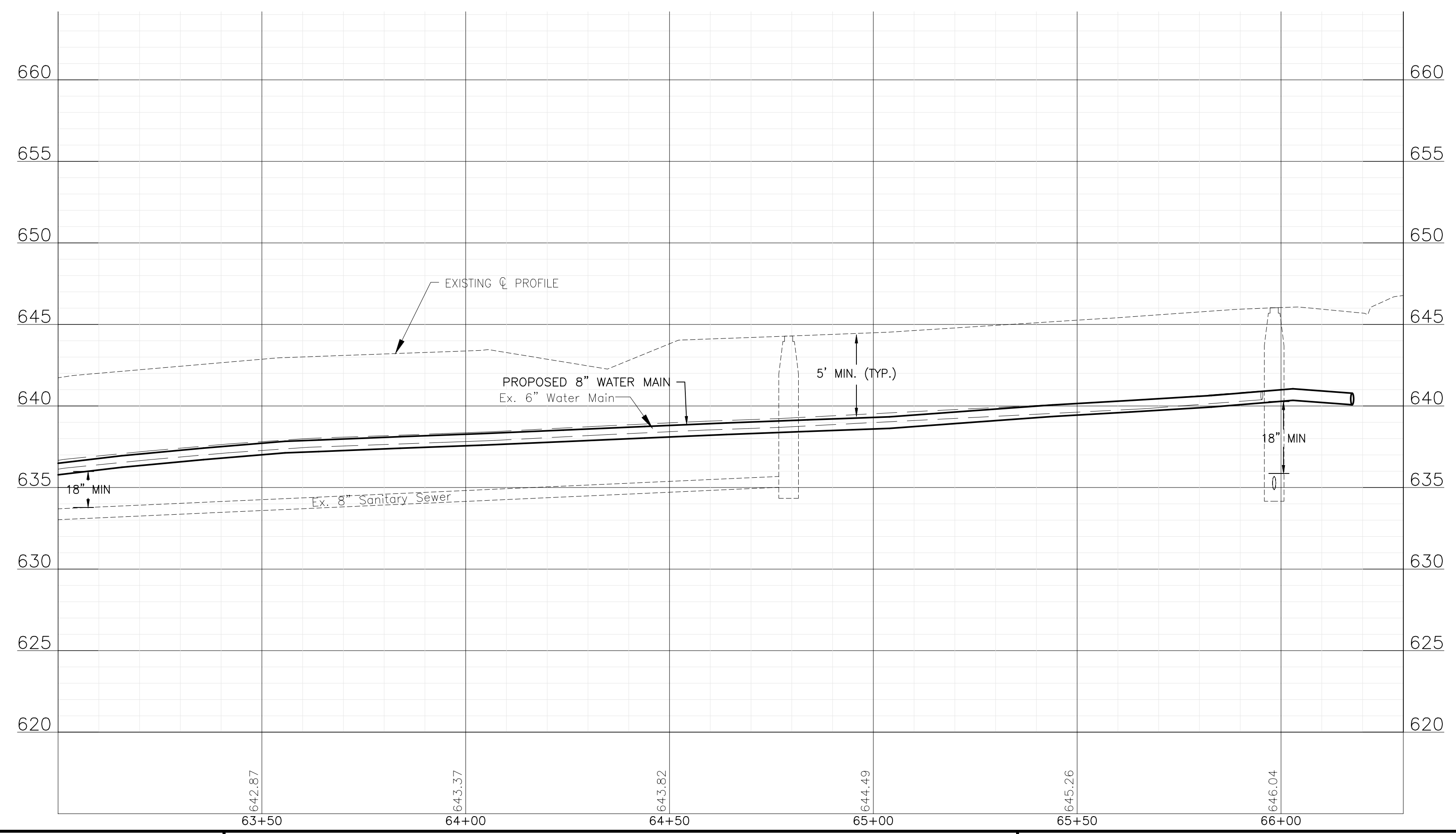
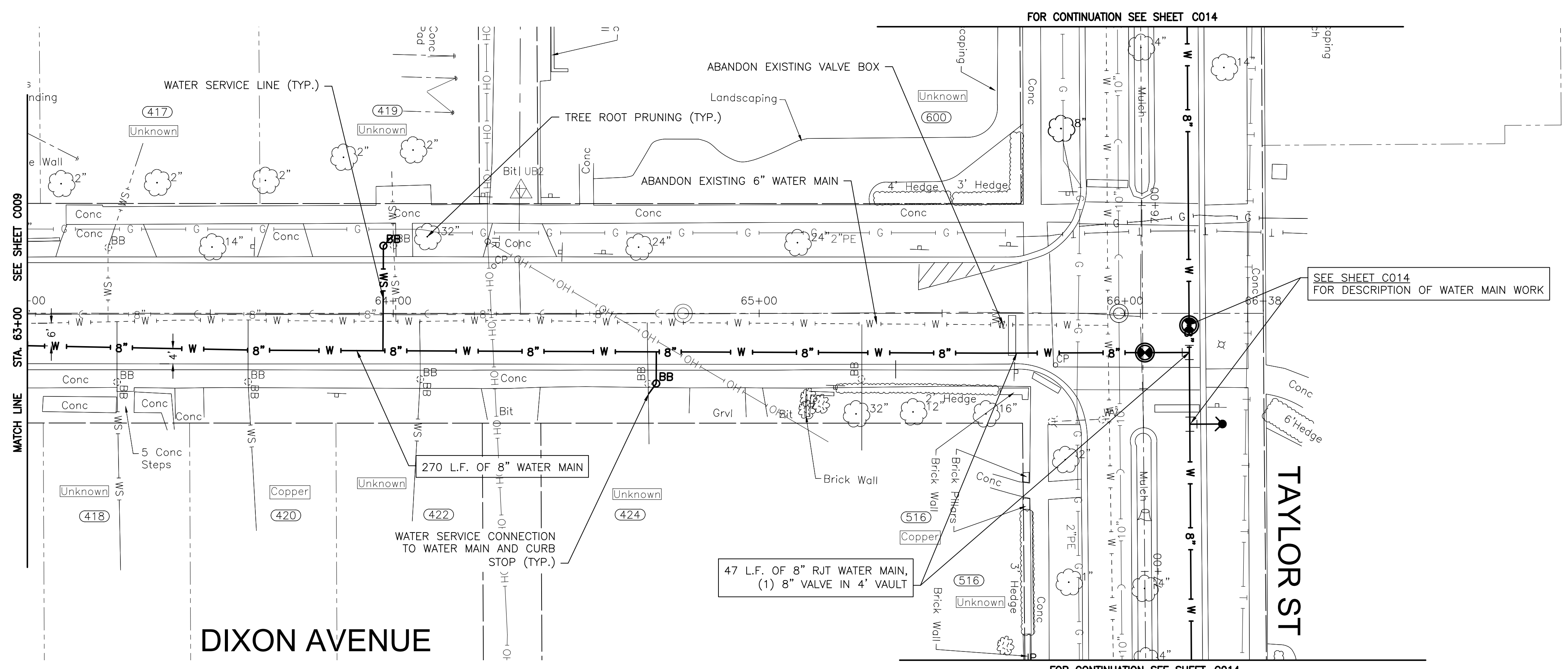
SCALE: HORIZ 1"=20' / VERT 1"=5'
 PROJECT NO: 2325880.00

DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - UKB	39	C009
CHECKED - MJF		
DATE - 10/17/2024		



NOTE:
WATER SERVICES: (2) WATER SERVICE CONNECTIONS ARE ANTICIPATED ON THIS SHEET. FINAL NUMBER AND LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

NOTE:
STORM SEWER PIPE ON THIS SHEET HAS BEEN PREVIOUSLY INSTALLED AS REINFORCED CONCRETE PIPE CONFORMING TO ASTM C76 WITH JOINTS CONFORMING TO ASTM C361 OR ASTM C443.



P:\VOLTC\2325880-2025 WATER MAIN\CAD\UPPER BLUFF\01_CIVIL_3D\01_SHTS-PLANS-UPPER_BLUFF-DIXONAVE.DWG 63+00.00
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CITY OF JOLIET, ILLINOIS
UPPER BLUFF 2025 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2852-0125

DIXON AVENUE STA. 63+00 TO STA. 66+50 PLAN AND PROFILE

SCALE: HORIZ 1"=20' / VERT 1"=5'
 PROJECT NO: 2325880.00

DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - UKB	39	C010
CHECKED - MJF		
DATE - 10/17/2024		

FINAL DESIGN
FOR BIDDING

FOR CONTINUATION SEE SHEET C020

NOTE:
WATER SERVICES: (8) WATER SERVICE CONNECTIONS ARE ANTICIPATED ON THIS SHEET. FINAL NUMBER AND LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

NOTE:
STORM SEWER PIPE ON THIS SHEET HAS BEEN PREVIOUSLY INSTALLED AS REINFORCED CONCRETE PIPE CONFORMING TO ASTM C76 WITH JOINTS CONFORMING TO ASTM C361 OR ASTM C443.

DIVISION ST

FOR CONTINUATION SEE SHEET C020

SEE SHEET C020 FOR DESCRIPTION OF WATER MAIN WORK

Unknown (339)

Lead (421)

38 L.F. OF 8" WATER MAIN (405) Copper

10 L.F. OF 8" RJT WATER MAIN, (1) 8" 11.25' BEND (407) Unknown

REMOVE AND REPLACE 27 L.F. OF 6" SANITARY SEWER WITH GREEN ASTM D2241 PIPE, SDR 26 AND RUBBER GASKETED JOINTS CONFORMING TO ASTM F477 (409) Ductile Iron

PREVIOUSLY RETIRED 8" WATER MAIN (411) Copper (413) Copper (415) Copper

135 L.F. OF 8" WATER MAIN

88 L.F. OF 8" WATER MAIN (404) Copper

47 L.F. OF 8" RJT WATER MAIN, (1) 8" VALVE IN BOX

10 L.F. OF 8" RJT WATER MAIN, (1) 8" 11.25' BEND

8 L.F. OF 6" RJT DI WATER MAIN, (1) 8" X 6" TEE, (1) FIRE HYDRANT

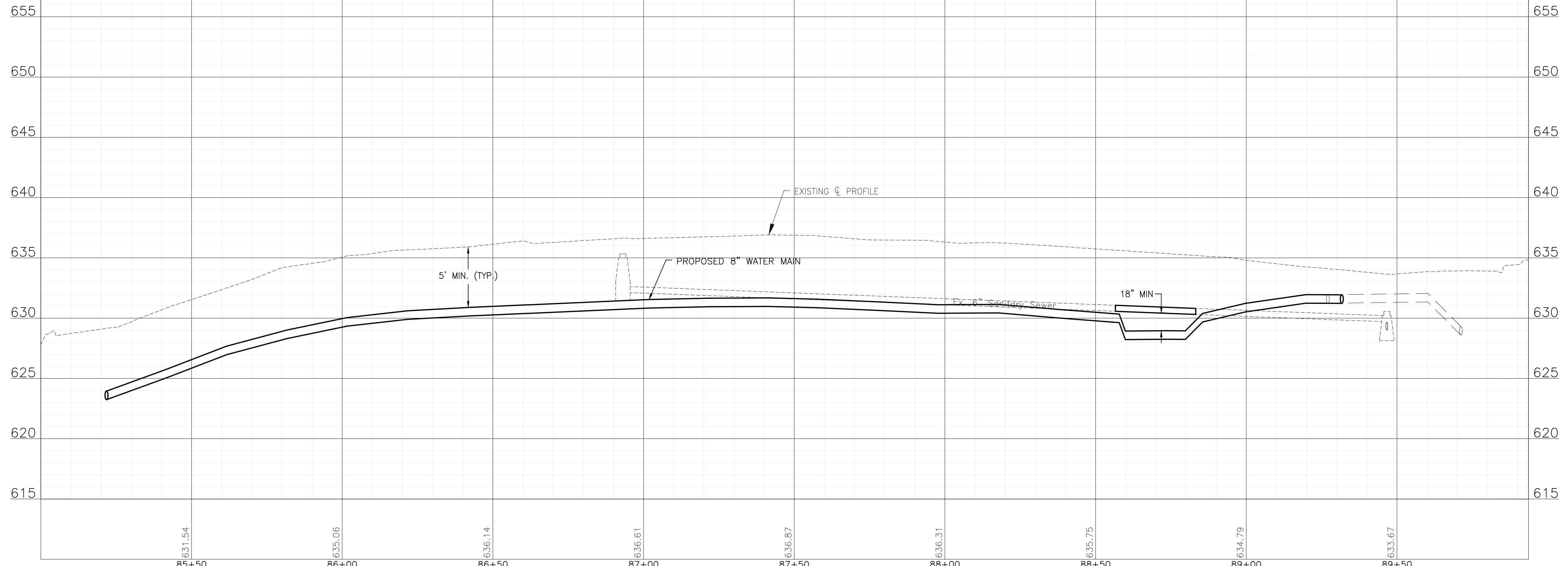
91 L.F. OF 8" RJT DI WATER MAIN, (1) 8" SLEEVE, (2) 8" 45' BENDS, (1) 8" NON-PRESSURE CONNECTION

WATER SERVICE CONNECTION TO WATER MAIN AND CURB STOP (TYP.)

COORDINATE POLE BRACING WITH COMED (TYP.)

CARSON AVE

PLAINFIELD RD



FINAL DESIGN FOR BIDDING

P:\JOLTC\2325880-2025 WATER MAIN\CAD\UPPER BLUFF\01_CIVIL_3D\01_SHTS-PLANS\2325880-UPPER_BLUFF-CARSONAVE.DWG 85+00.00
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CITY OF JOLIET, ILLINOIS
UPPER BLUFF 2025 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2852-0125

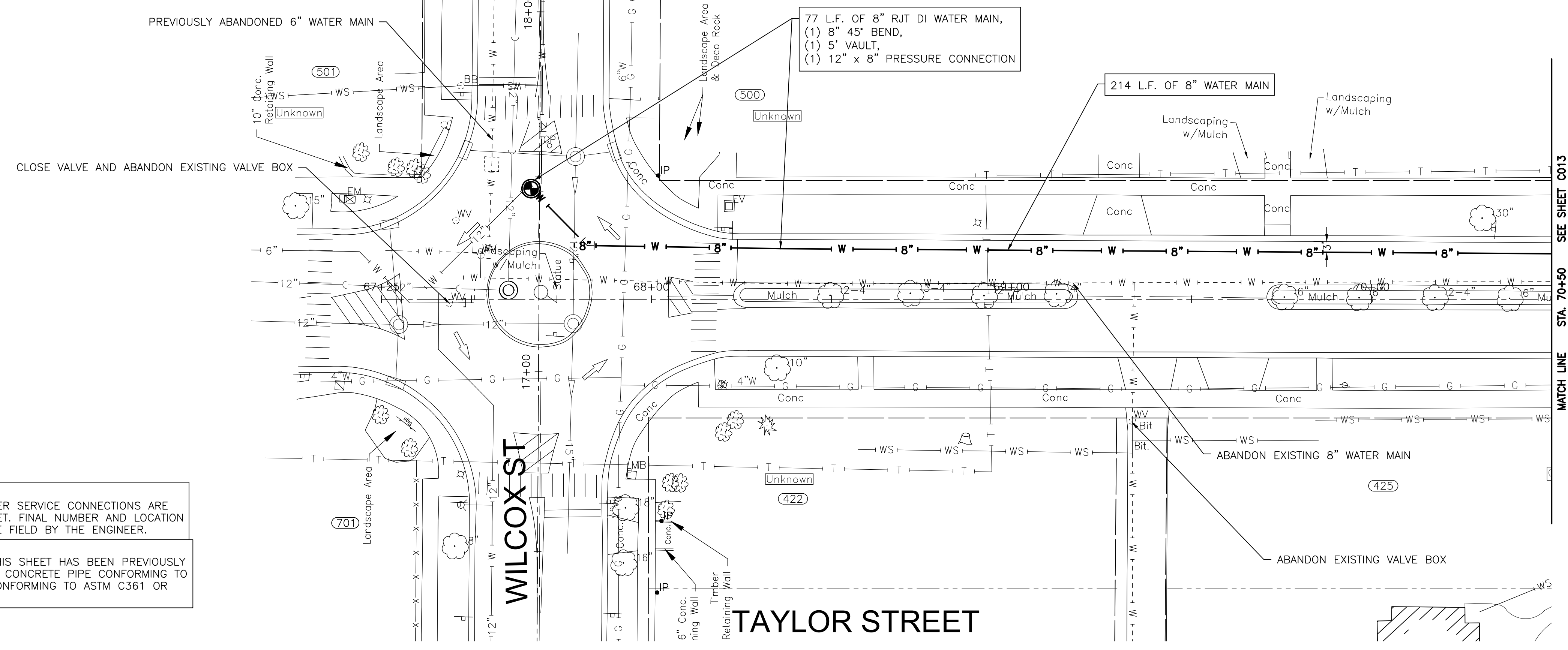
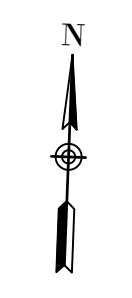
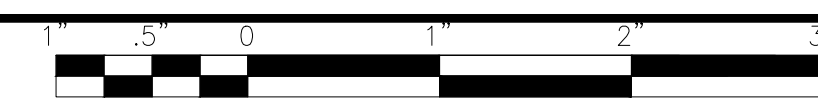
CARSON AVENUE STA. 85+00 TO STA. 90+00 PLAN AND PROFILE

SCALE: HORIZ 1"=20' / VERT 1"=5'

PROJECT NO: 2325880.00

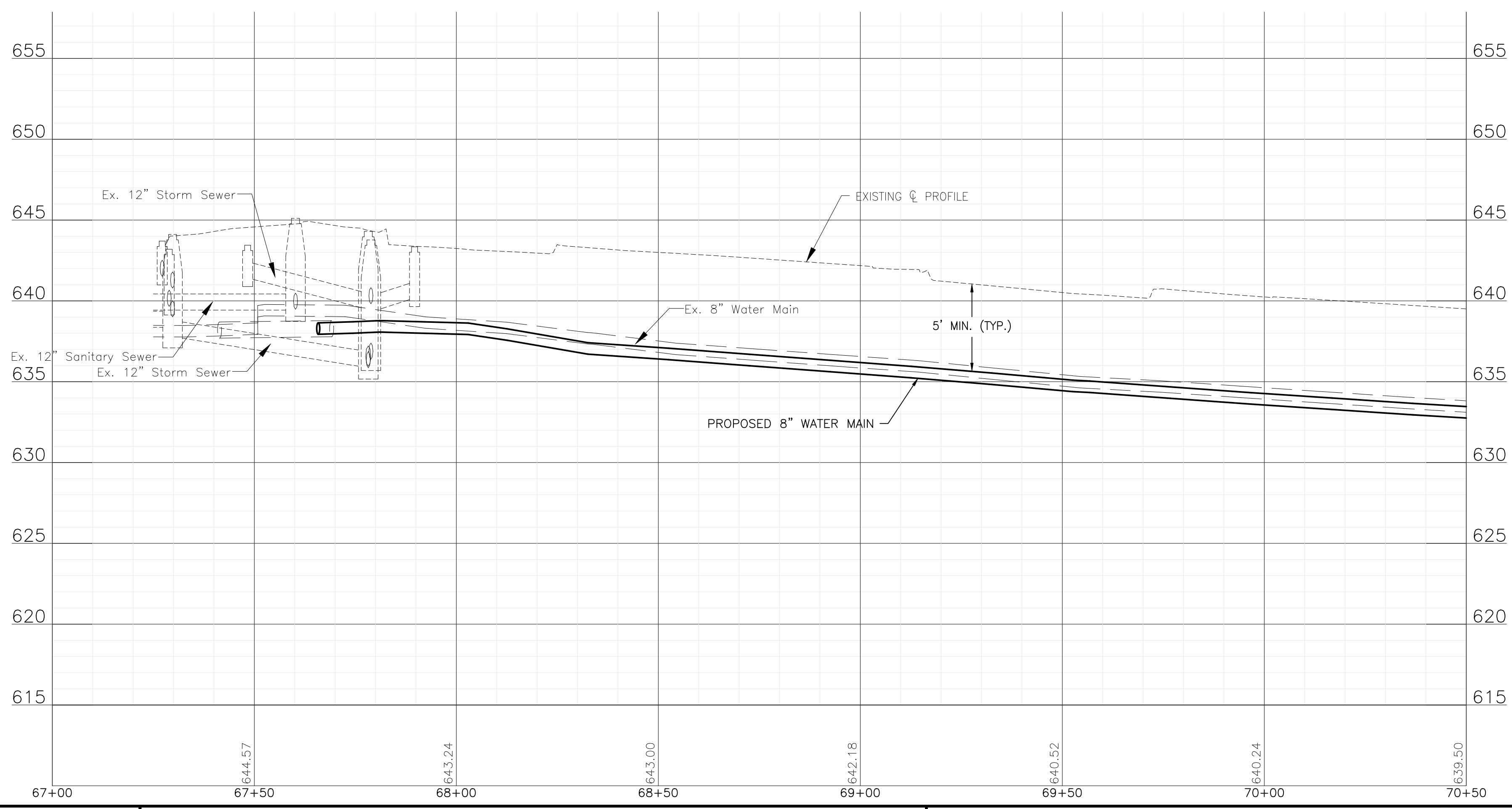
DESIGNED - RMM
DRAWN - ABN/UKB
CHECKED - MJF
DATE - 10/17/2024

TOTAL SHEETS 39
SHEET NO. C011



NOTE:
WATER SERVICES: (O) WATER SERVICE CONNECTIONS ARE ANTICIPATED ON THIS SHEET. FINAL NUMBER AND LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

NOTE:
STORM SEWER PIPE ON THIS SHEET HAS BEEN PREVIOUSLY INSTALLED AS REINFORCED CONCRETE PIPE CONFORMING TO ASTM C76 WITH JOINTS CONFORMING TO ASTM C361 OR ASTM C443.



P:\JOLTC\2325880-2025 WATER MAIN\UPPER BLUFF\01_CIVIL_3D\01_SHTS-PLANS\2325880-UPPER_BLUFF-TAYLORST.DWG 67+25.00
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CITY OF JOLIET, ILLINOIS
UPPER BLUFF 2025 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2852-0125

TAYLOR AVENUE STA. 67+25 TO STA 70+50 PLAN AND PROFILE
 SCALE: HORIZ 1"=20' / VERT 1"=5'
 PROJECT NO: 2325880.00

DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - ABN/UKB	39	C012
CHECKED - MJF		
DATE - 10/17/2024		

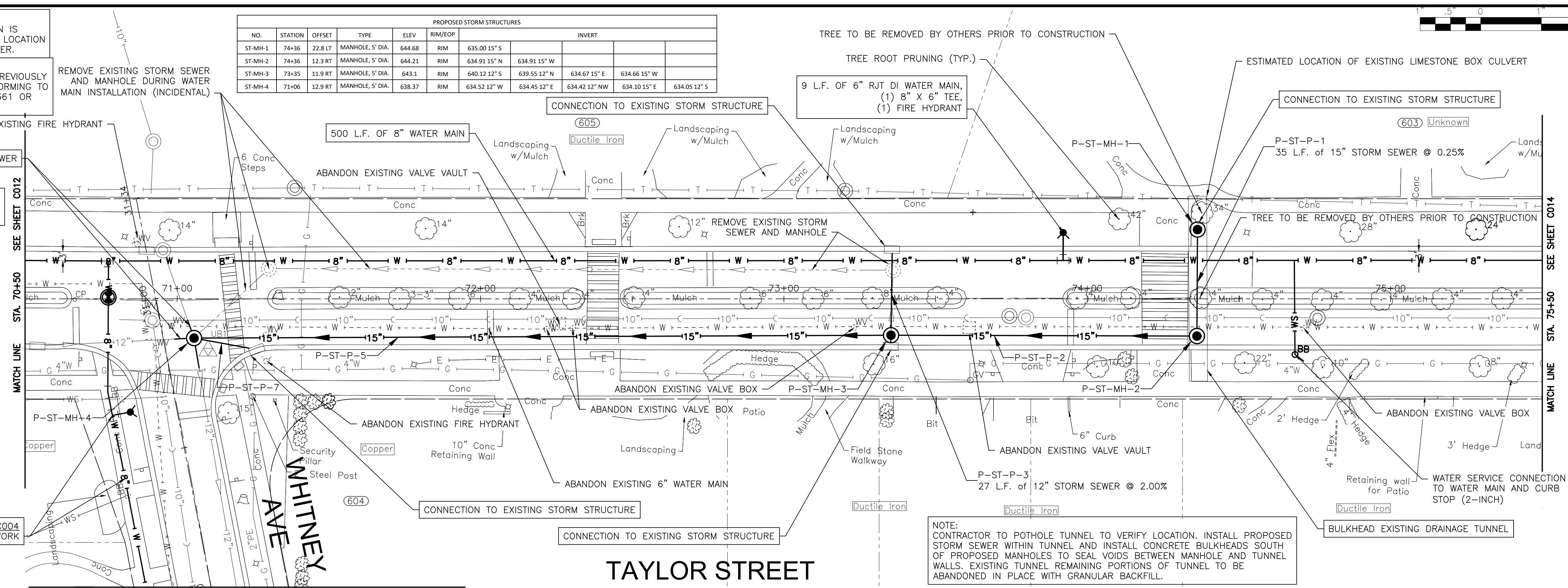
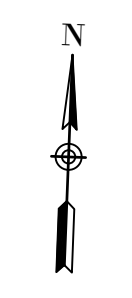
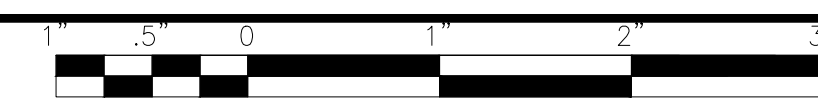
FINAL DESIGN FOR BIDDING

NOTE:
WATER SERVICES: (1) WATER SERVICE CONNECTION IS ANTICIPATED ON THIS SHEET, FINAL NUMBER AND LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

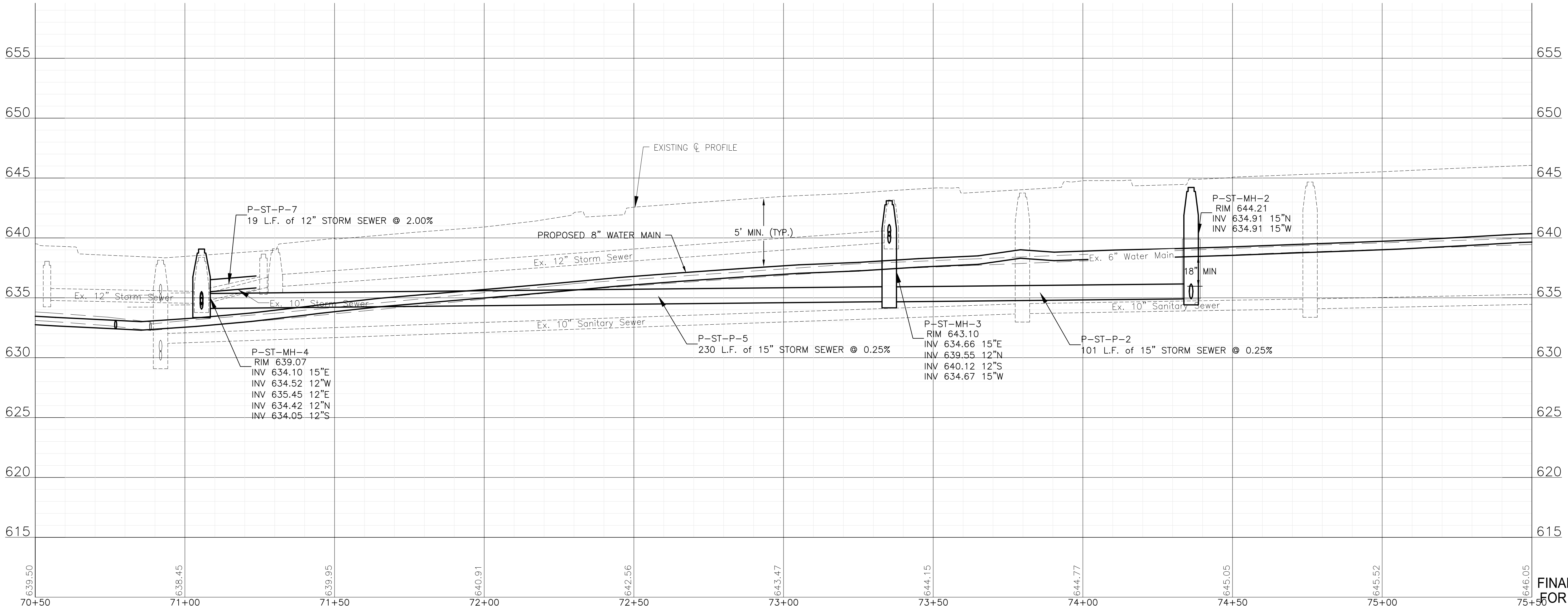
NOTE:
STORM SEWER PIPE ON THIS SHEET HAS BEEN PREVIOUSLY INSTALLED AS REINFORCED CONCRETE PIPE CONFORMING TO ASTM C76 WITH JOINTS CONFORMING TO ASTM C361 OR ASTM C443.

NOTE:
STORM SEWER IMPROVEMENTS TO BE COMPLETED BEFORE WATER MAIN INSTALLATION.

NO.	STATION	OFFSET	TYPE	ELEV	PROPOSED STORM STRUCTURES			
					RIM/EOP	INVERT		
ST-MH-1	74+36	22.8 LT	MANHOLE, 5' DIA.	644.68	RIM	635.00 15° S		
ST-MH-2	74+36	12.3 RT	MANHOLE, 5' DIA.	644.21	RIM	634.91 15° N	634.91 15° W	
ST-MH-3	73+35	11.9 RT	MANHOLE, 5' DIA.	643.1	RIM	640.12 12° S	639.55 12° N	634.67 15° E
ST-MH-4	71+06	12.9 RT	MANHOLE, 5' DIA.	638.37	RIM	634.52 12° W	634.45 12° E	634.10 15° S



TAYLOR STREET



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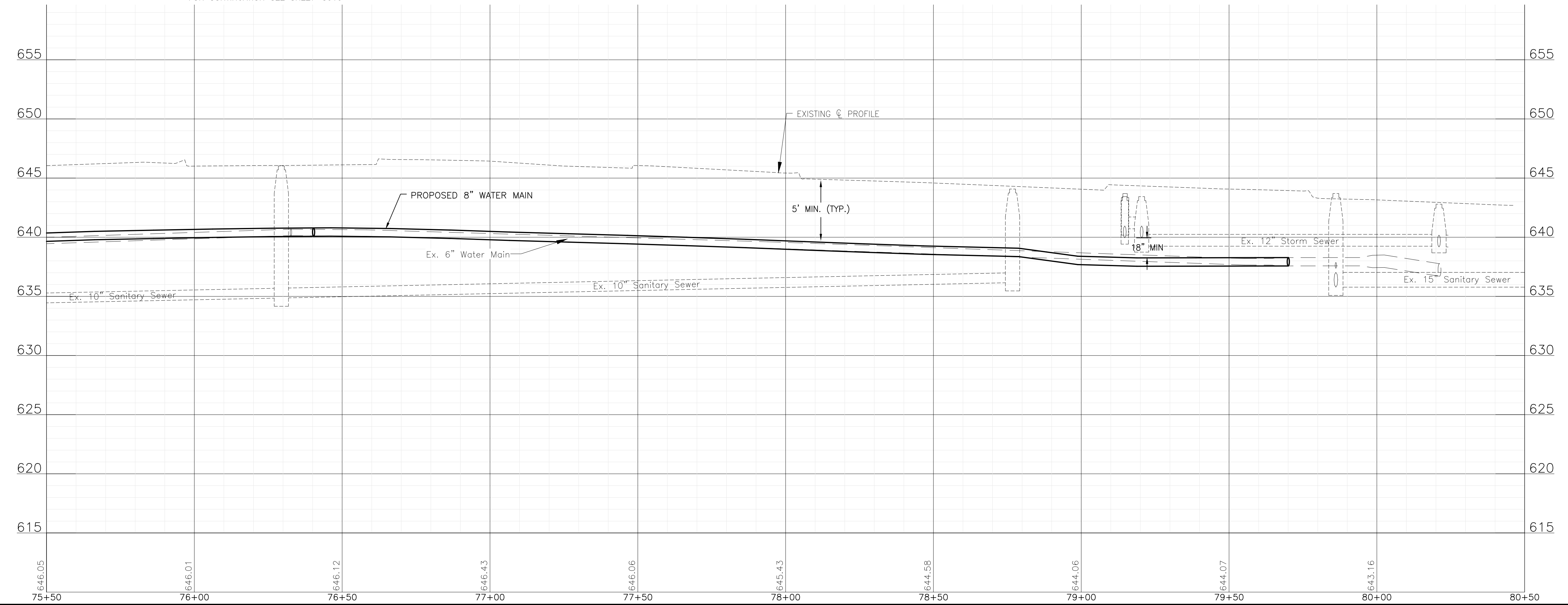
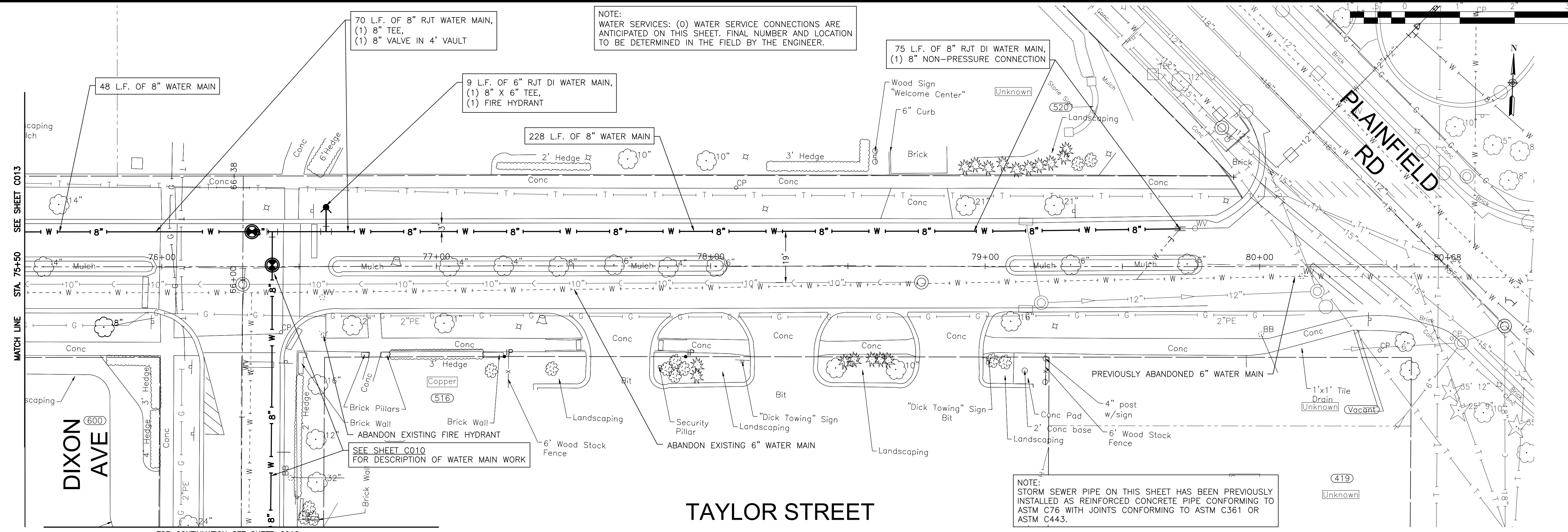
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CITY OF JOLIET, ILLINOIS
UPPER BLUFF 2025 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2852-0125

TAYLOR AVENUE STA. 70+50 TO STA 75+50 PLAN AND PROFILE
 SCALE: HORIZ 1"=20' / VERT 1"=5'
 PROJECT NO: 2325880.00

DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - ABN/UKB	39	C013
CHECKED - MJF		
DATE - 10/17/2024		

FINAL DESIGN FOR BIDDING



FINAL DESIGN FOR BIDDING

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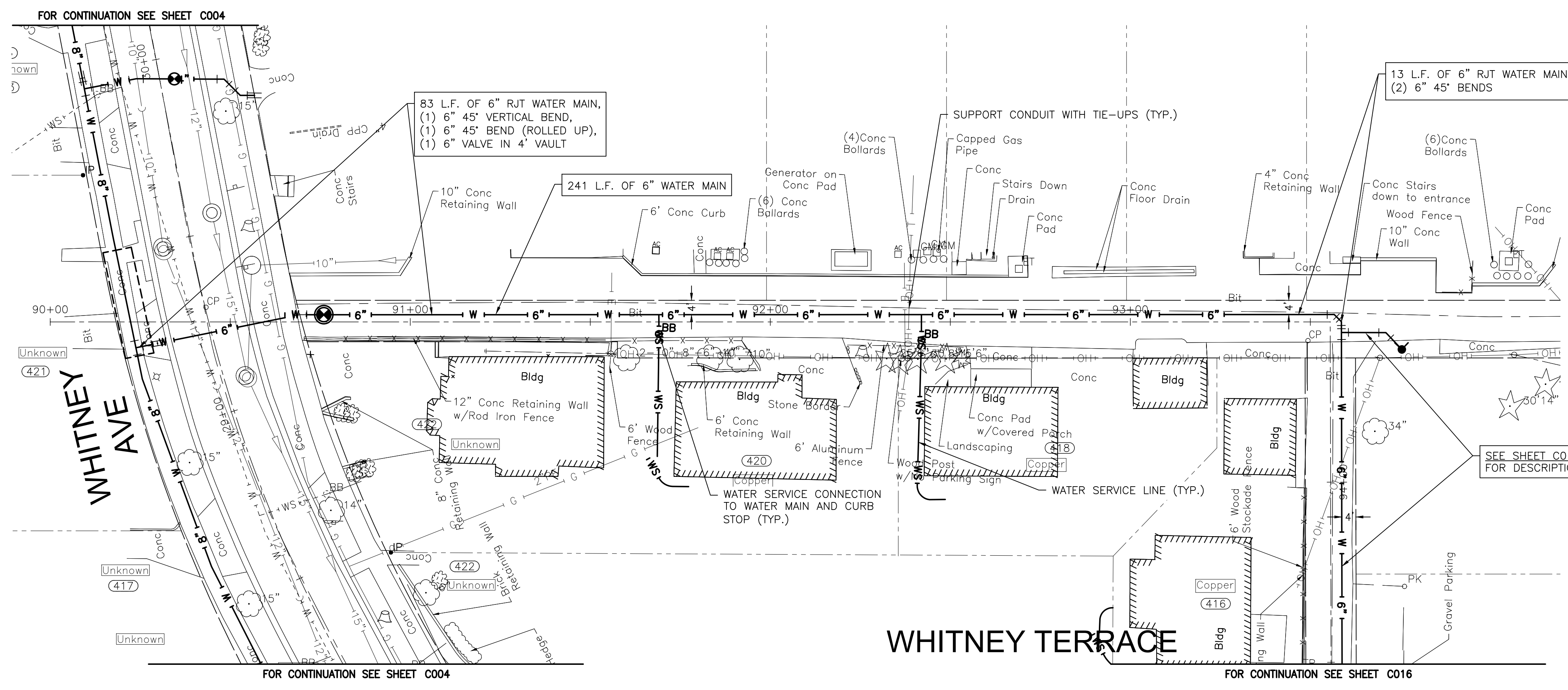
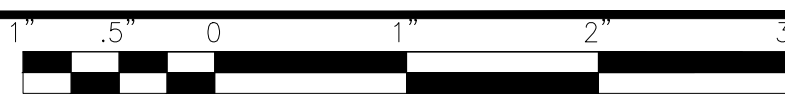
CITY OF JOLIET, ILLINOIS
 UPPER BLUFF 2025 WATER MAIN IMPROVEMENTS
 WATER MAIN REPLACEMENT IEPA LOAN NO. L17-6076

TAYLOR AVENUE STA. 75+50 TO STA 80+50 PLAN AND PROFILE

SCALE: HORIZ 1"=20' / VERT 1"=5'

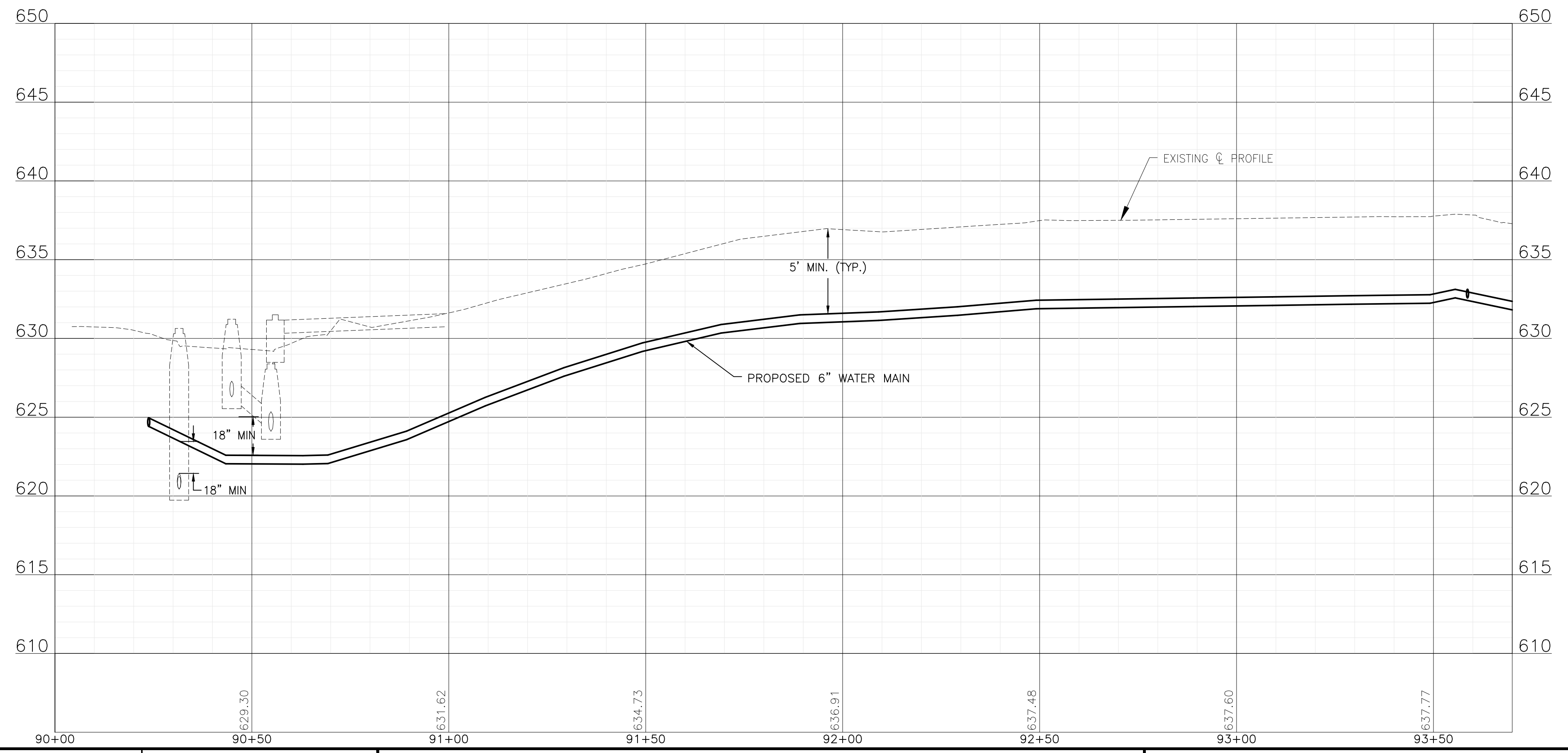
PROJECT NO: 2325880.00

DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - UKB	39	C014
CHECKED - MJF		
DATE - 10/17/2024		



NOTE:
 WATER SERVICES: (2) WATER SERVICE CONNECTIONS ARE ANTICIPATED ON THIS SHEET. FINAL NUMBER AND LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

NOTE:
 STORM SEWER PIPE ON THIS SHEET HAS BEEN PREVIOUSLY INSTALLED AS REINFORCED CONCRETE PIPE CONFORMING TO ASTM C76 WITH JOINTS CONFORMING TO ASTM C361 OR ASTM C443.



FINAL DESIGN FOR BIDDING

P:\JOLIET\2325880-2025 WATER MAIN\CAD\UPPER BLUFF\01_CIVIL_3D\01_SHTS-PLANS\UPPER BLUFF\01_CIVIL_3D\01_SHTS-PLANS\UPPER BLUFF-WHITNEY.DWG 90+50.00
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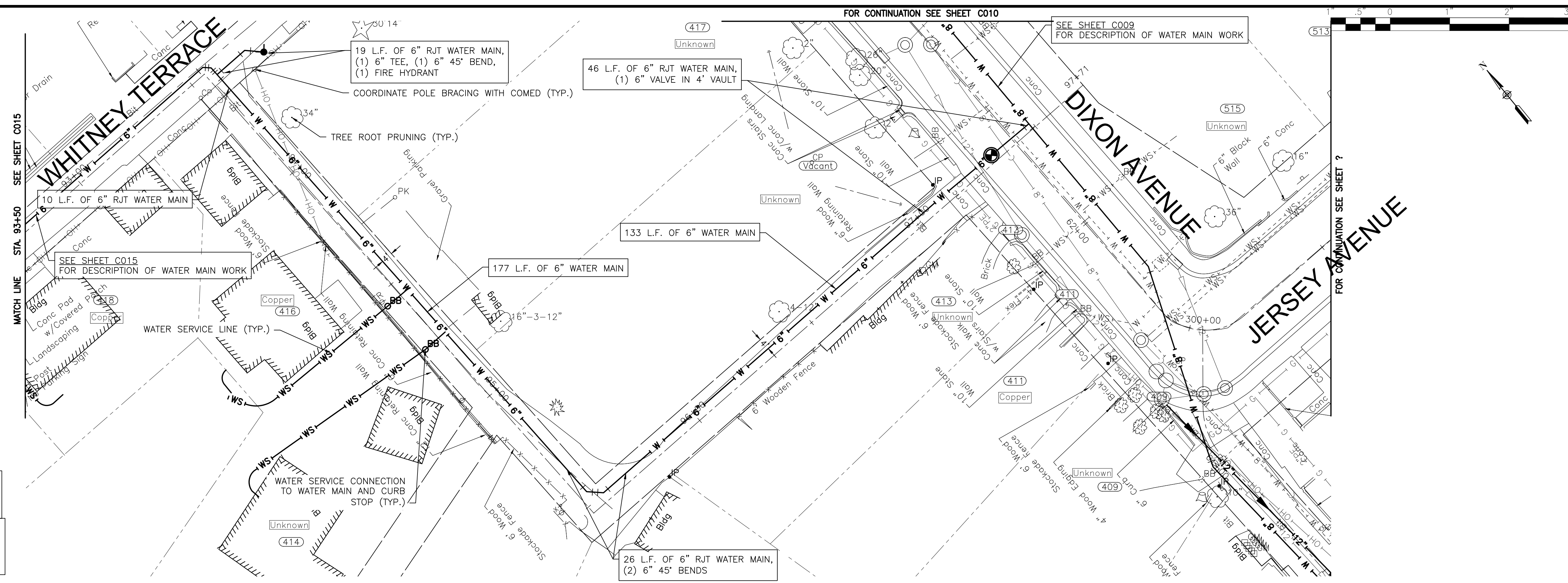
CITY OF JOLIET, ILLINOIS
 UPPER BLUFF 2025 WATER MAIN IMPROVEMENTS
 CITY OF JOLIET CONTRACT NO. 2852-0125

WHITNEY TERRACE STA. 90+00 TO STA. 93+50 PLAN AND PROFILE

SCALE: HORIZ 1"=20' / VERT 1"=5'

PROJECT NO: 2325880.00

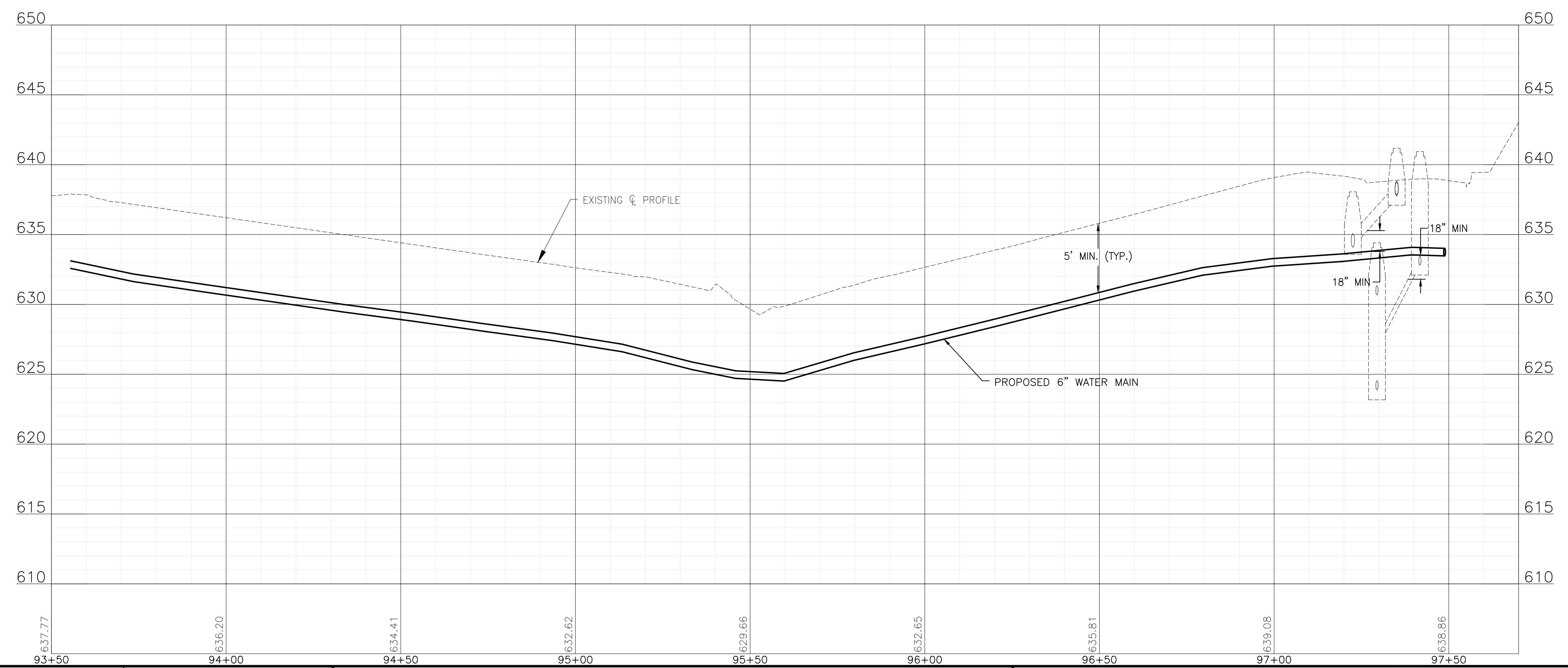
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DRAWN - UKB	39	C015
CHECKED - MJF		
DATE - 10/17/2024		



NOTE:
 WATER SERVICES: (2) WATER SERVICE CONNECTIONS ARE ANTICIPATED ON THIS SHEET. FINAL NUMBER AND LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

NOTE:
 STORM SEWER PIPE ON THIS SHEET HAS BEEN PREVIOUSLY INSTALLED AS REINFORCED CONCRETE PIPE CONFORMING TO ASTM C76 WITH JOINTS CONFORMING TO ASTM C361 OR ASTM C443.

WHITNEY TERRACE / DIXON AVENUE ALLEY



P:\JOLIET\2325880-2025 WATER MAIN\CAD\UPPER BLUFF\01_CIVIL_3D\01_SHTS-PLANS\UPPER BLUFF-UPPER BLUFF-WHITNEY.DWG 93+50.00
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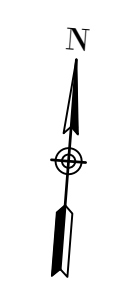
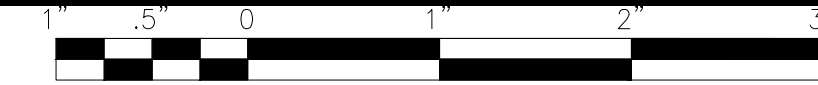
CITY OF JOLIET, ILLINOIS
UPPER BLUFF 2025 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2852-0125

WHITNEY TERRACE-ALLEY STA. 93+50 TO STA. 97+50 PLAN AND PROFILE

SCALE: HORIZ 1"=20' / VERT 1"=5'
 PROJECT NO: 2325880.00

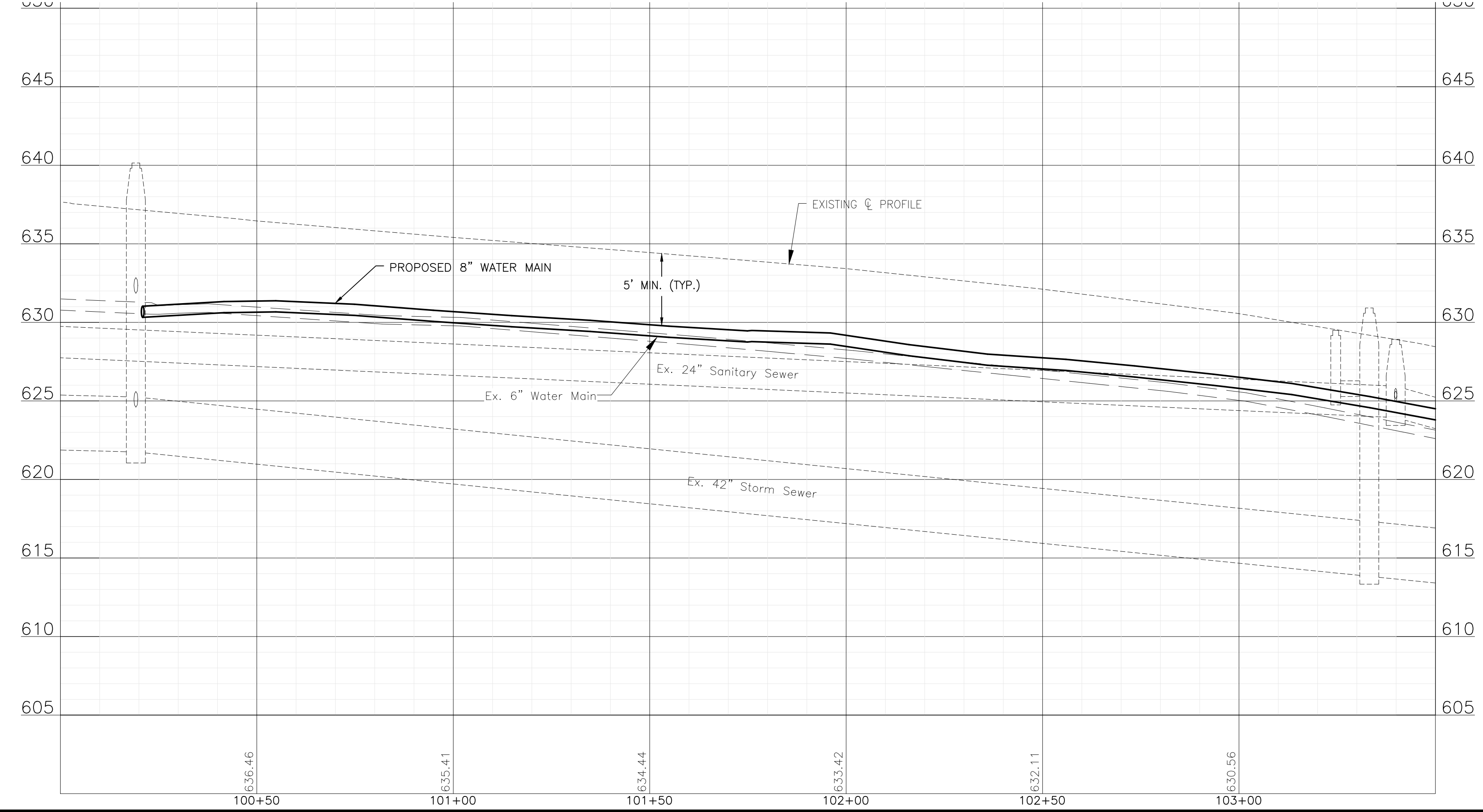
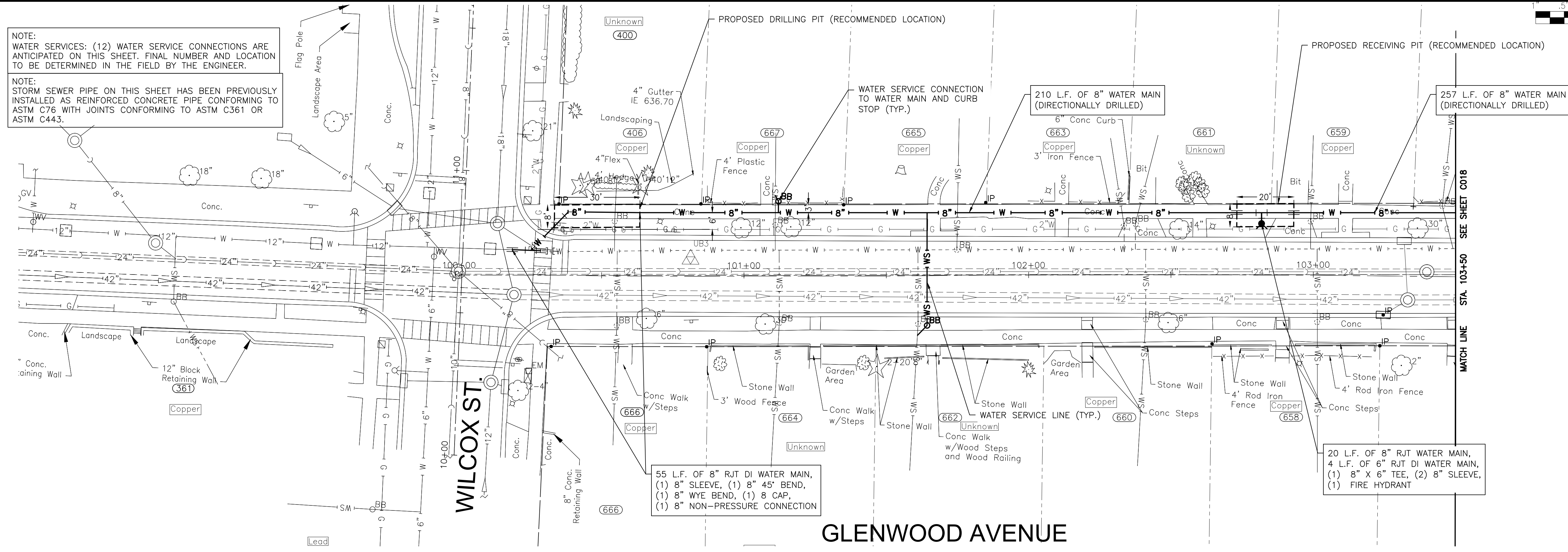
DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - ABN/UKB	39	C016
CHECKED - MJF		
DATE - 10/17/2024		

FINAL DESIGN FOR BIDDING



NOTE:
WATER SERVICES: (12) WATER SERVICE CONNECTIONS ARE ANTICIPATED ON THIS SHEET. FINAL NUMBER AND LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

NOTE:
STORM SEWER PIPE ON THIS SHEET HAS BEEN PREVIOUSLY INSTALLED AS REINFORCED CONCRETE PIPE CONFORMING TO ASTM C76 WITH JOINTS CONFORMING TO ASTM C361 OR ASTM C443.



P:\JOLTC\2325880-2025 WATER MAIN\CAD\UPPER BLUFF\01_CIVIL_3D\01_SHTS+PLANS+PLANS\2325880-UPPER_BLUFF-GLENWOODAVE.DWG 100+50.00
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UPPER BLUFF 2025 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2852-0125

GLENWOOD AVENUE STA. 100+00 TO STA. 103+50 PLAN AND PROFILE

SCALE: HORIZ 1"=20' / VERT 1"=5'

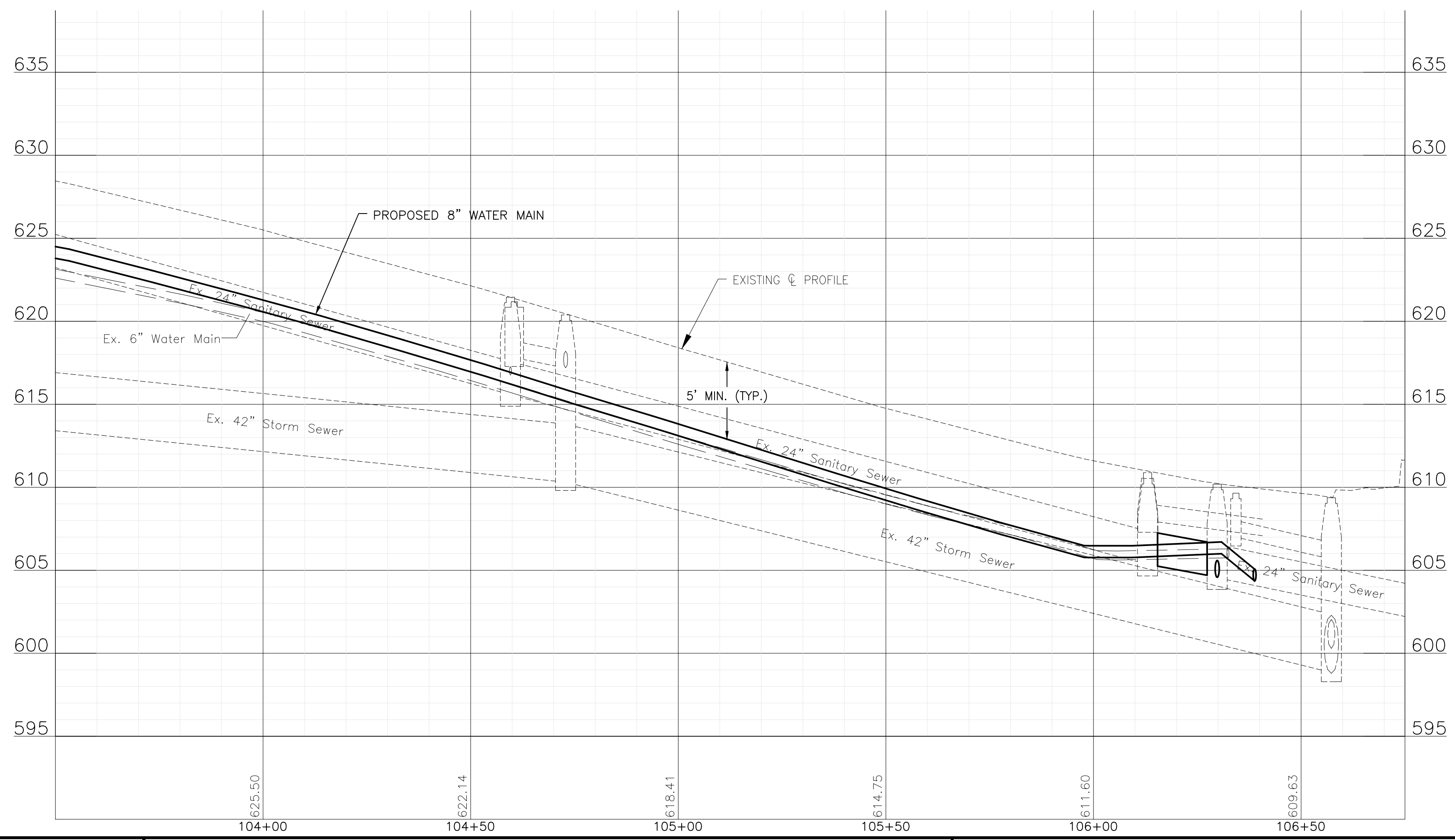
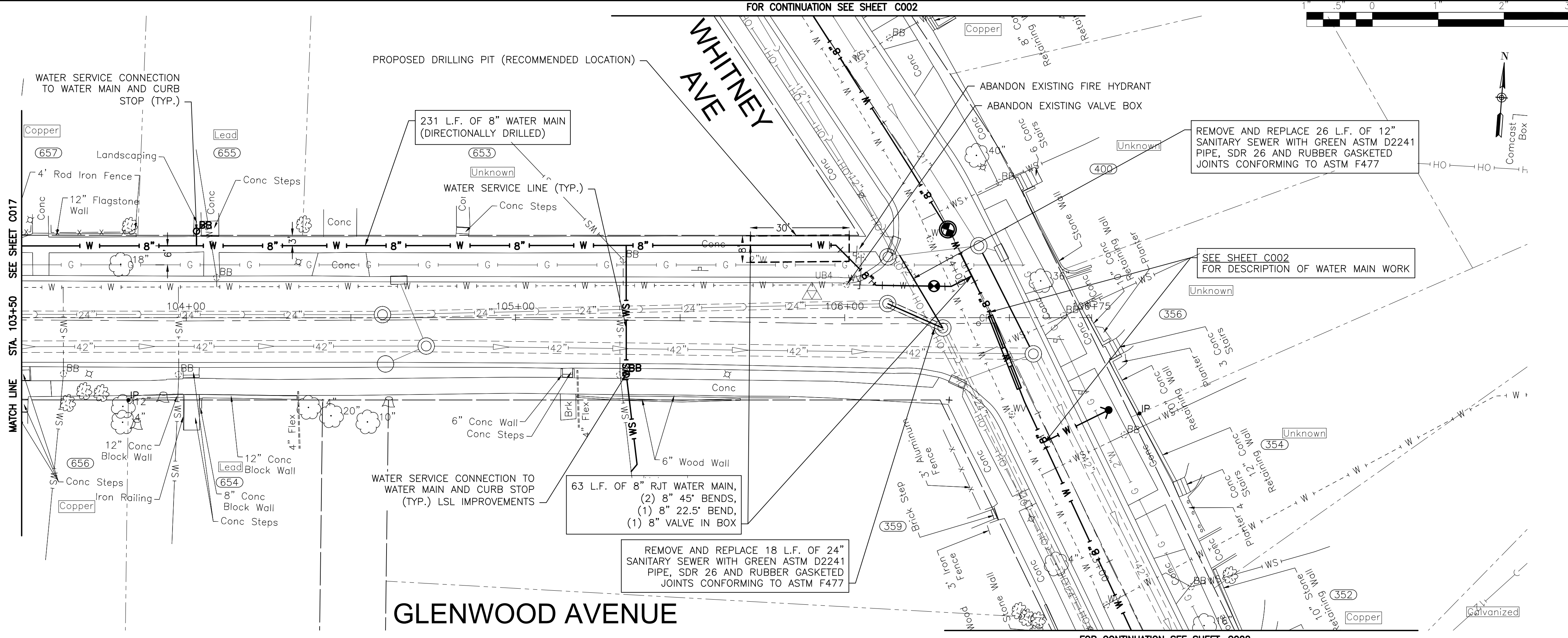
PROJECT NO: 2325880.00

DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - UKB	39	C017
CHECKED - MJF		
DATE - 10/17/2024		

FINAL DESIGN FOR BIDDING

NOTE:
WATER SERVICES: (5) WATER SERVICE CONNECTIONS ARE ANTICIPATED ON THIS SHEET. FINAL NUMBER AND LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

NOTE:
STORM SEWER PIPE ON THIS SHEET HAS BEEN PREVIOUSLY INSTALLED AS REINFORCED CONCRETE PIPE CONFORMING TO ASTM C76 WITH JOINTS CONFORMING TO ASTM C361 OR ASTM C443.



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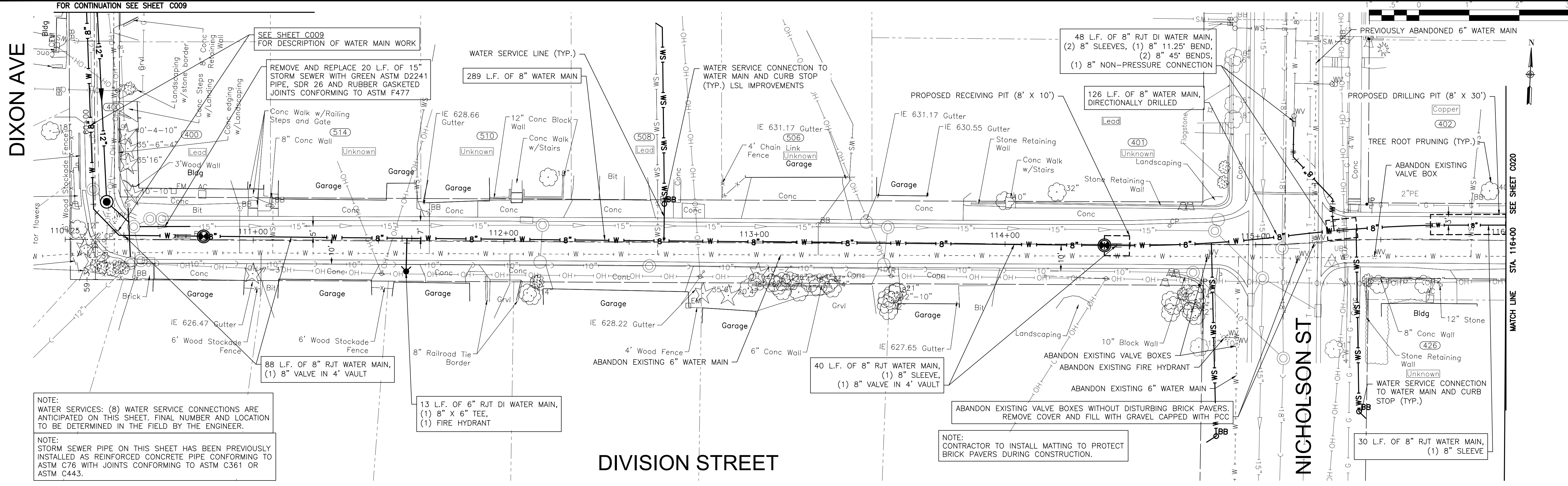
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UPPER BLUFF 2025 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2852-0125

GLENWOOD AVENUE STA. 103+50 TO STA. 106+75 PLAN AND PROFILE

SCALE: HORIZ 1"=20' / VERT 1"=5'
 PROJECT NO: 2325880.00

DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - UKB	39	C018
CHECKED - MJF		
DATE - 10/17/2024		

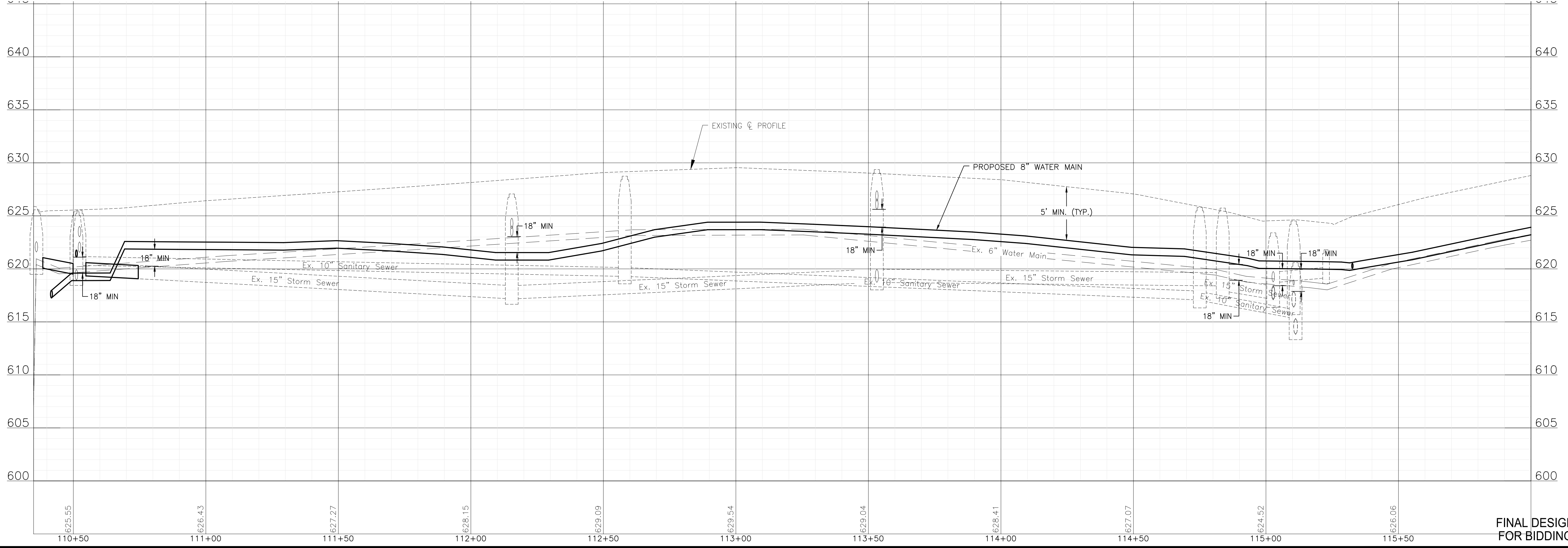
FINAL DESIGN
FOR BIDDING



NOTE:
WATER SERVICES: (8) WATER SERVICE CONNECTIONS ARE ANTICIPATED ON THIS SHEET. FINAL NUMBER AND LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

NOTE:
STORM SEWER PIPE ON THIS SHEET HAS BEEN PREVIOUSLY INSTALLED AS REINFORCED CONCRETE PIPE CONFORMING TO ASTM C76 WITH JOINTS CONFORMING TO ASTM C361 OR ASTM C443.

NOTE:
CONTRACTOR TO INSTALL MATTING TO PROTECT BRICK PAVERS DURING CONSTRUCTION.



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CITY OF JOLIET, ILLINOIS
UPPER BLUFF 2025 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2852-0125

DIVISION STREET STA. 110+50 TO STA. 116+00 PLAN AND PROFILE

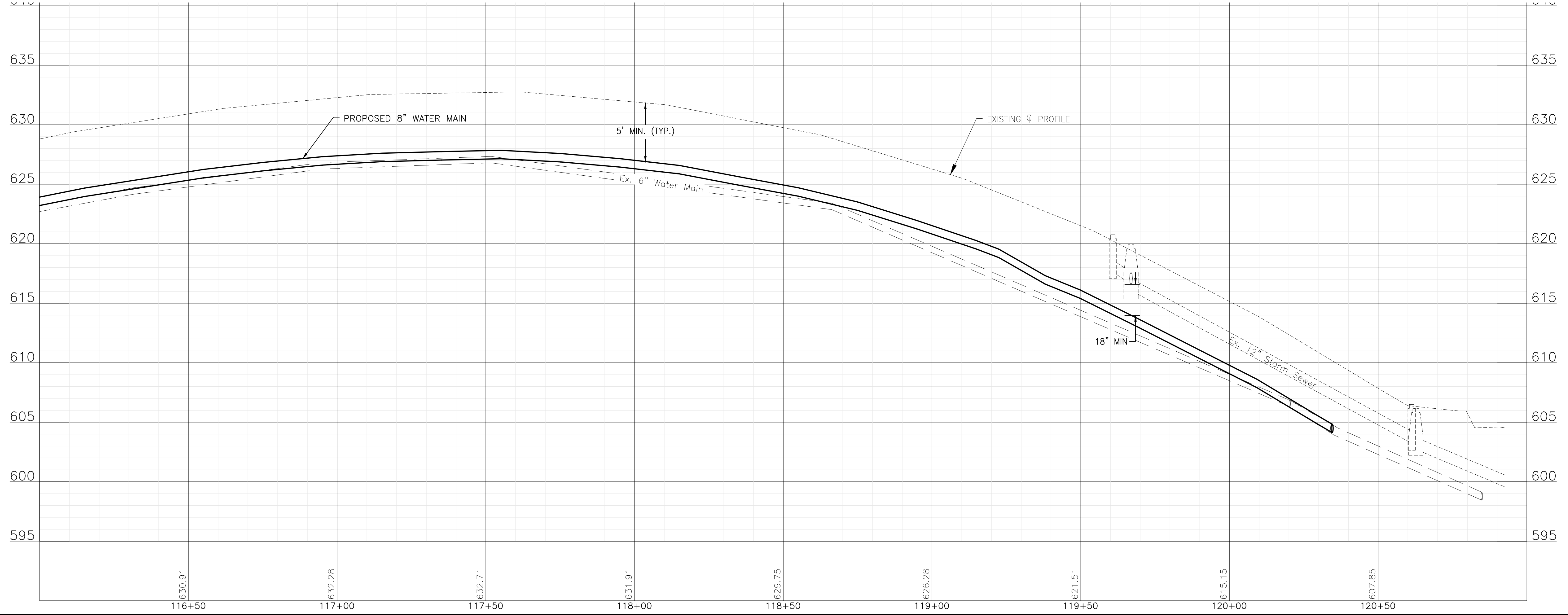
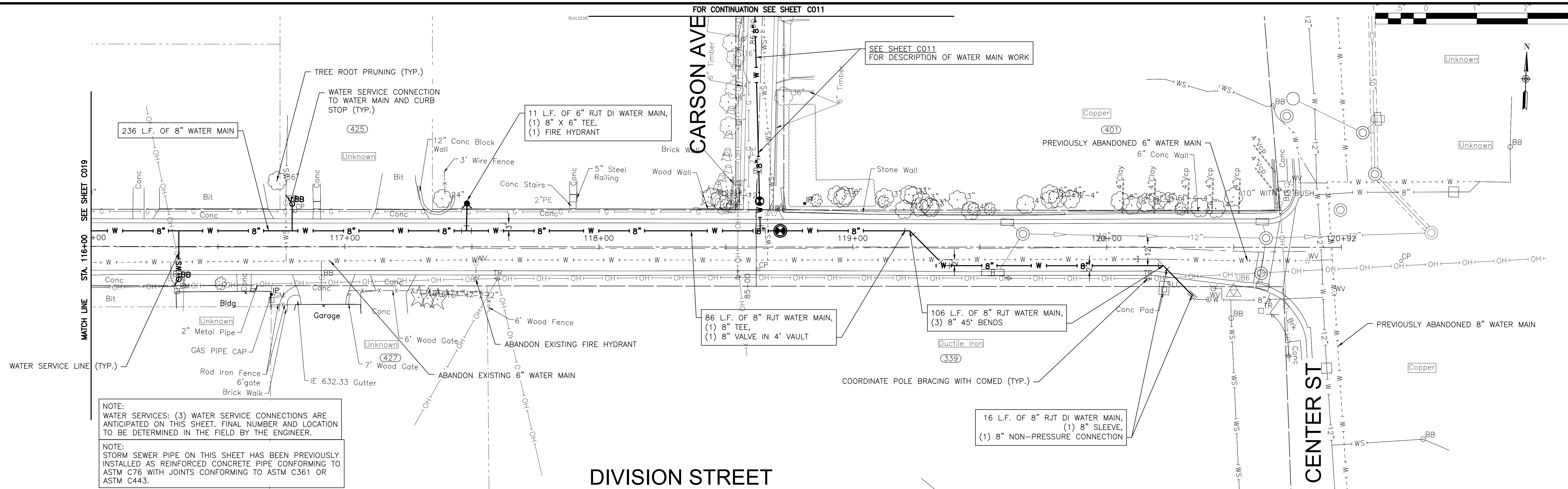
SCALE: HORIZ 1"=20' / VERT 1"=5'

PROJECT NO: 2325880.00

DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - UKB	39	C019
CHECKED - MJF		
DATE - 10/17/2024		

FINAL DESIGN
FOR BIDDING

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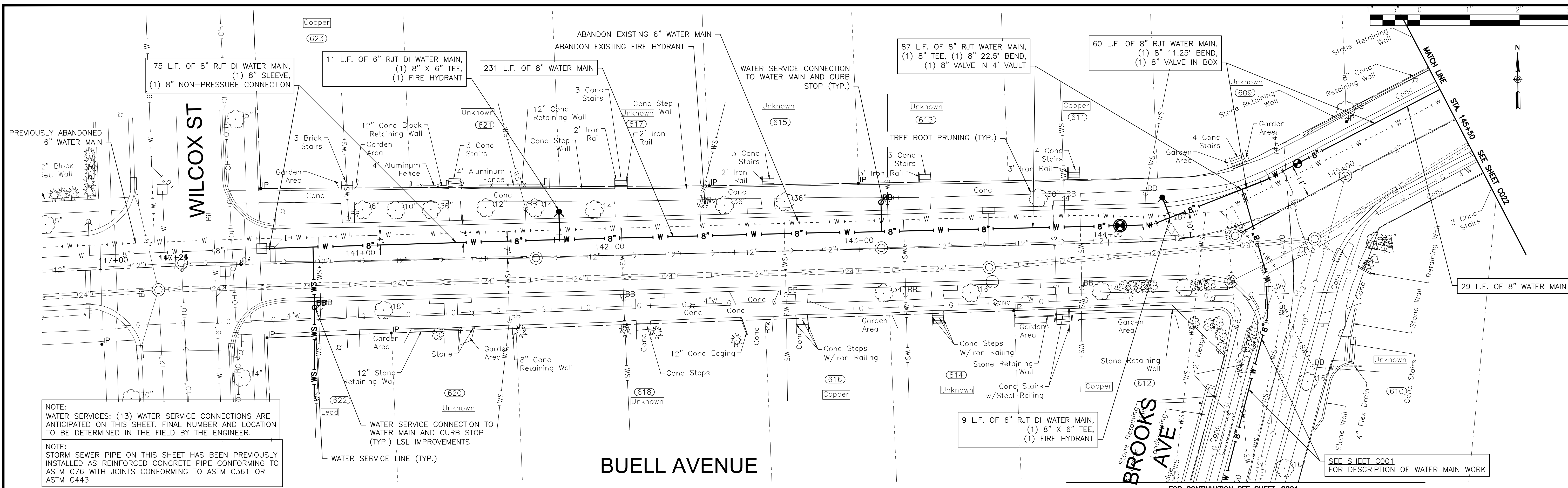
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CITY OF JOLIET, ILLINOIS
UPPER BLUFF 2025 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2852-0125

DIVISION STREET STA. 116+00 TO STA. 121+00 PLAN AND PROFILE

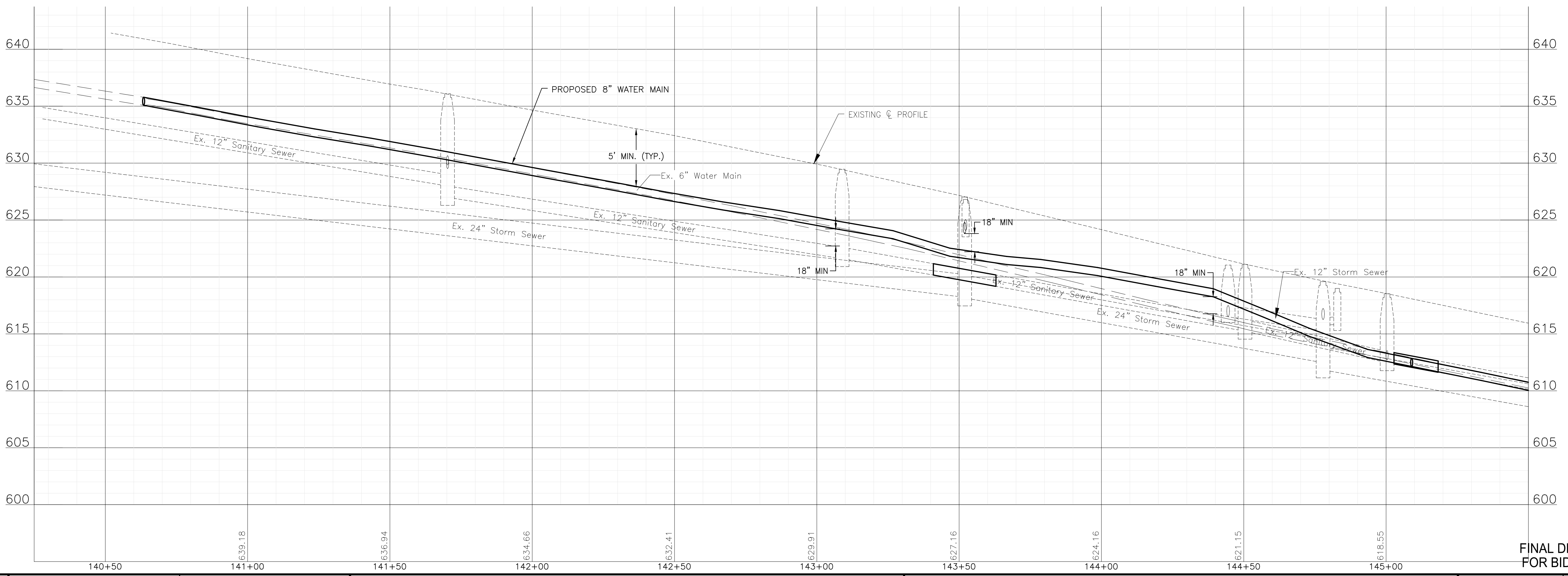
SCALE: HORIZ 1"=20' / VERT 1"=5'
 PROJECT NO: 2325880.00

DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - UKB	39	C020
CHECKED - MJF		
DATE - 10/17/2024		



NOTE:
 WATER SERVICES: (13) WATER SERVICE CONNECTIONS ARE ANTICIPATED ON THIS SHEET. FINAL NUMBER AND LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

NOTE:
 STORM SEWER PIPE ON THIS SHEET HAS BEEN PREVIOUSLY INSTALLED AS REINFORCED CONCRETE PIPE CONFORMING TO ASTM C76 WITH JOINTS CONFORMING TO ASTM C361 OR ASTM C443.



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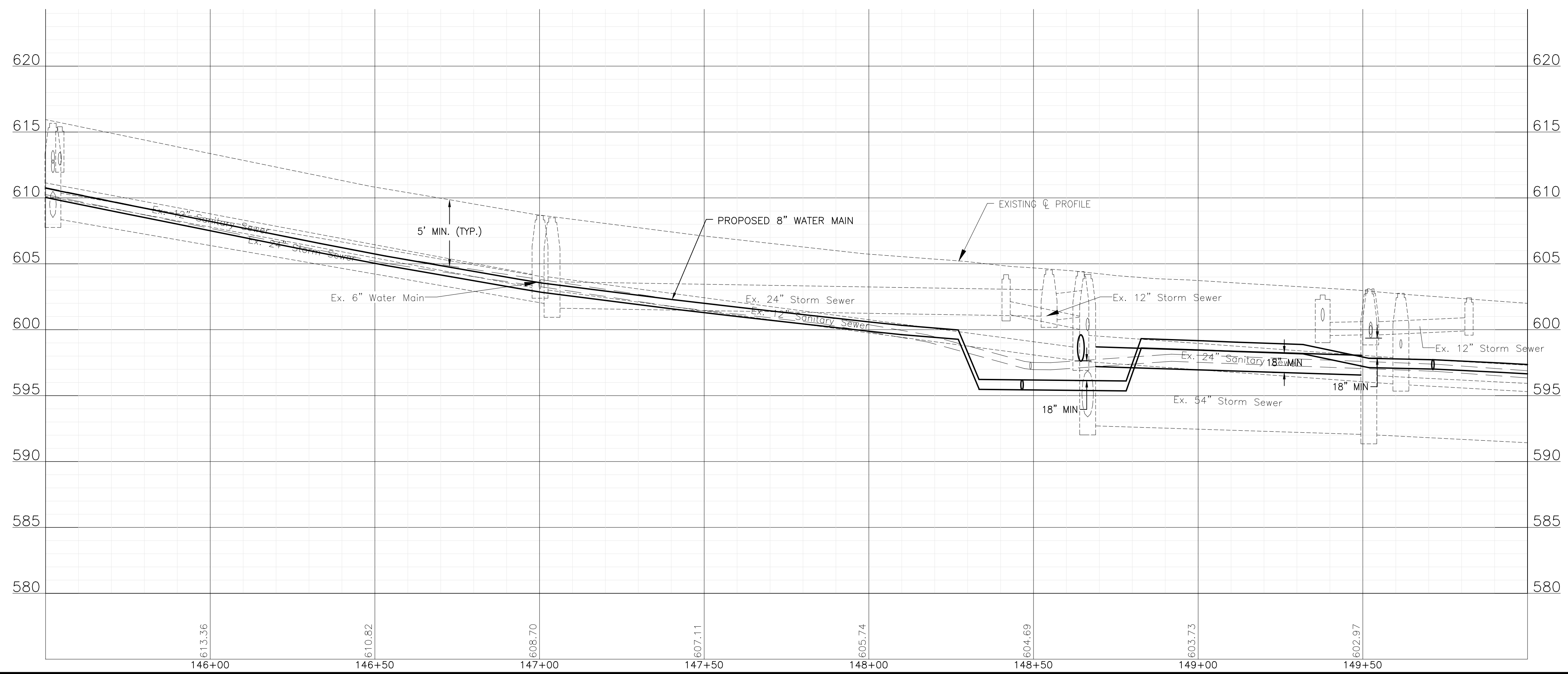
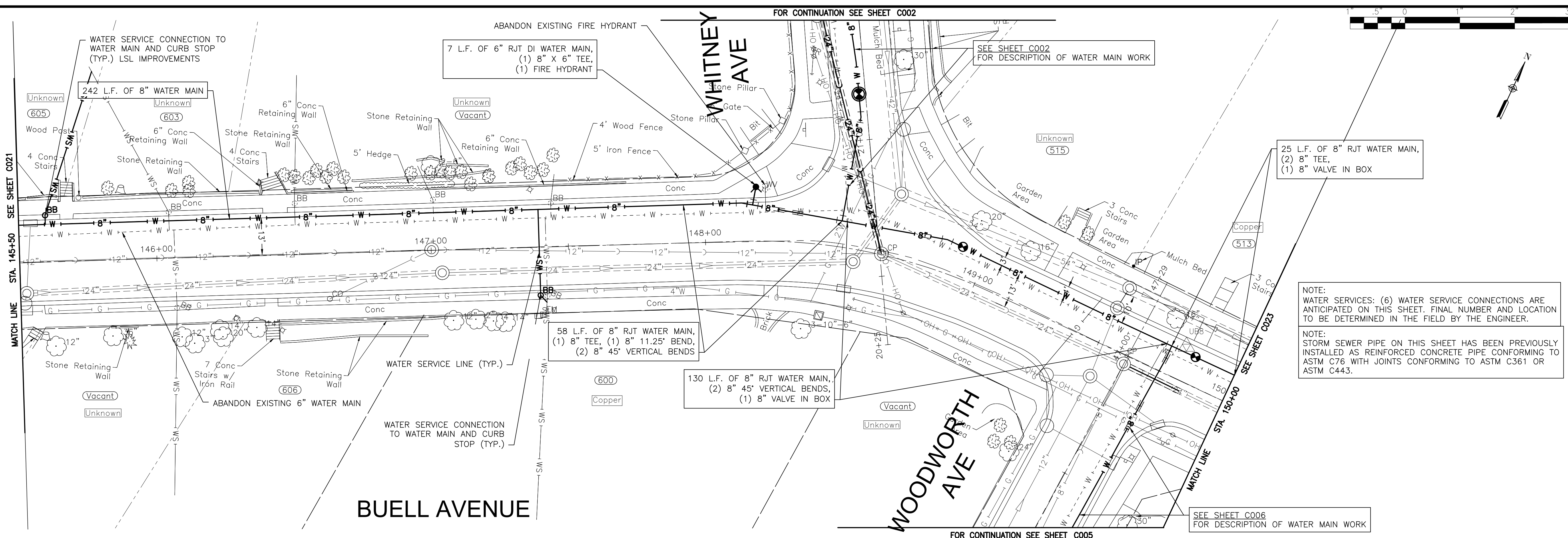
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CITY OF JOLIET, ILLINOIS
UPPER BLUFF 2025 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2852-0125

BUELL AVENUE STA. 140+25 TO STA. 145+50 PLAN AND PROFILE
 SCALE: HORIZ 1"=20' / VERT 1"=5'
 PROJECT NO: 2325880.00

DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - UKB	39	C021
CHECKED - MJF		
DATE - 10/17/2024		

FINAL DESIGN FOR BIDDING



NOTE:
WATER SERVICES: (6) WATER SERVICE CONNECTIONS ARE ANTICIPATED ON THIS SHEET. FINAL NUMBER AND LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

NOTE:
STORM SEWER PIPE ON THIS SHEET HAS BEEN PREVIOUSLY INSTALLED AS REINFORCED CONCRETE PIPE CONFORMING TO ASTM C76 WITH JOINTS CONFORMING TO ASTM C361 OR ASTM C443.

P:\JOLTC\2325880-2025 WATER MAIN\CAD\UPPER BLUFF\01_GWIL_3D\01_SHTS-PLANS\2325880-UPPER_BLUFF-BUELLAVE.DWG 145+50.00
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CITY OF JOLIET, ILLINOIS
UPPER BLUFF 2025 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2852-0125

BUELL AVENUE STA. 145+50 TO STA. 150+00 PLAN AND PROFILE

SCALE: HORIZ 1"=20' / VERT 1"=5'

PROJECT NO: 2325880.00

DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - UKB	39	C022
CHECKED - MJF		
DATE - 10/17/2024		

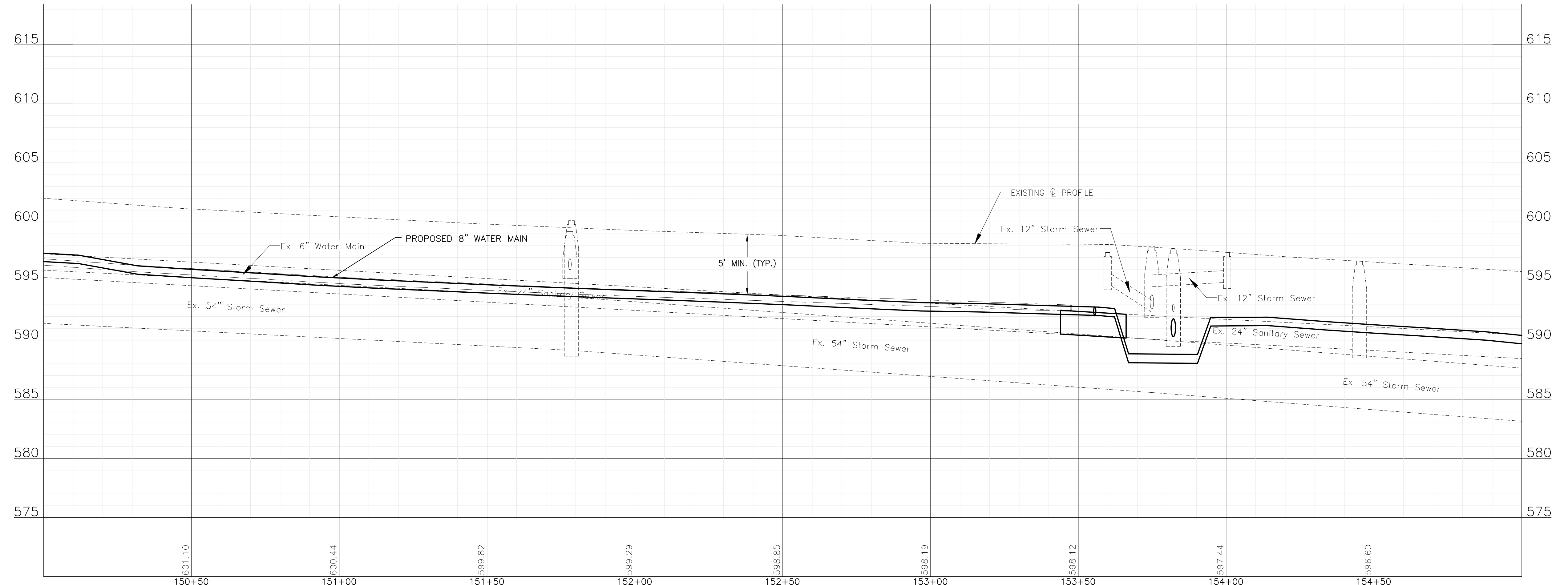
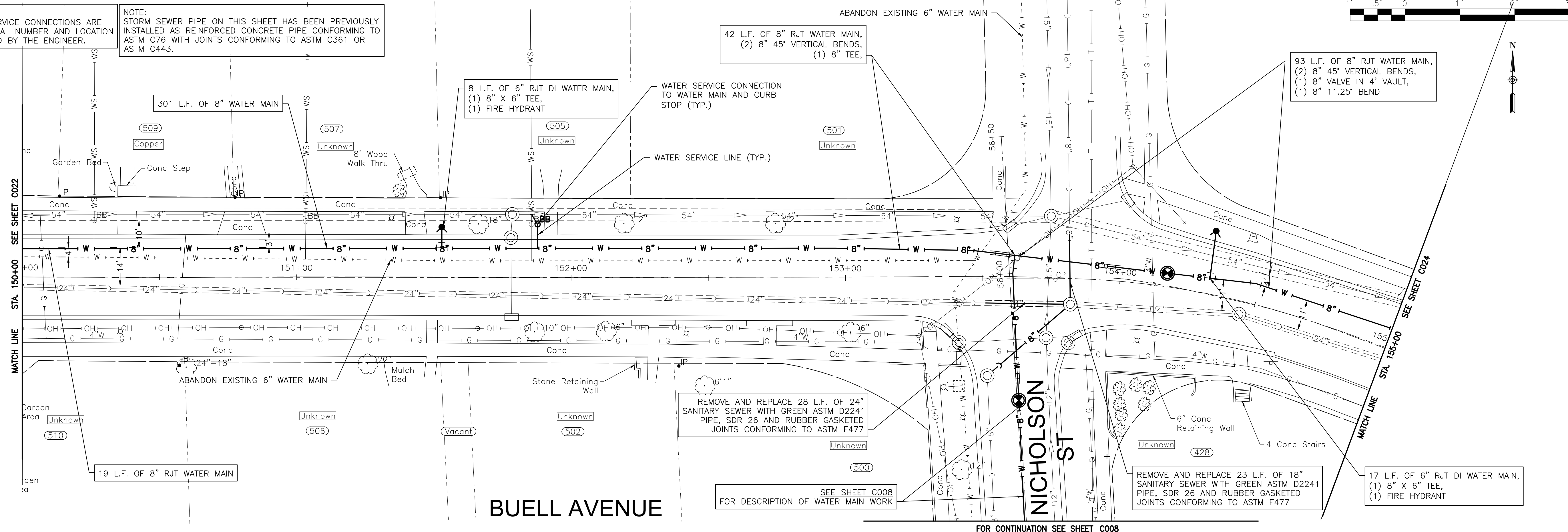
FINAL DESIGN FOR BIDDING

NOTE:
WATER SERVICES: (3) WATER SERVICE CONNECTIONS ARE ANTICIPATED ON THIS SHEET. FINAL NUMBER AND LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

NOTE:
STORM SEWER PIPE ON THIS SHEET HAS BEEN PREVIOUSLY INSTALLED AS REINFORCED CONCRETE PIPE CONFORMING TO ASTM C76 WITH JOINTS CONFORMING TO ASTM C361 OR ASTM C443.

42 L.F. OF 8" RJT WATER MAIN,
(2) 8" 45° VERTICAL BENDS,
(1) 8" TEE,

93 L.F. OF 8" RJT WATER MAIN,
(2) 8" 45° VERTICAL BENDS,
(1) 8" VALVE IN 4' VAULT,
(1) 8" 11.25' BEND



FOR CONTINUATION SEE SHEET C008

P:\JOLIET\2325880-2025 WATER MAIN\CAD\UPPER BLUFF\01_CIVIL_3D\01_SHTS-PLANS-UPPER BLUFF-BUELLAVE.DWG 150+00.00
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CITY OF JOLIET, ILLINOIS
UPPER BLUFF 2025 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2852-0125

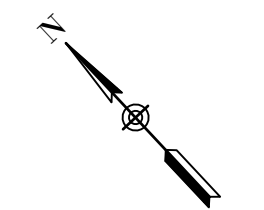
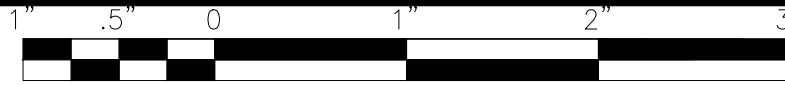
BUELL AVENUE STA. 150+00 TO STA. 155+00 PLAN AND PROFILE

SCALE: HORIZ 1"=20' / VERT 1"=5'

PROJECT NO: 2325880.00

DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - UKB	39	C023
CHECKED - MJF		
DATE - 10/17/2024		

CHARLOTTE AVE



REMOVE AND REPLACE 28 L.F. OF 24" STORM SEWER WITH GREEN ASTM D2241 PIPE, SDR 26 AND RUBBER GASKETED JOINTS CONFORMING TO ASTM F477

11 L.F. OF 6" RJT DI WATER MAIN,
(1) 8" X 6" TEE,
(1) FIRE HYDRANT

24 L.F. OF 8" RJT WATER MAIN,
(2) 8" 45° BENDS

WATER SERVICE LINE (TYP.)

MATCH LINE
STA. 155+00
SEE SHEET C023

MATCH LINE
STA. 159+00
SEE SHEET C025

WATER SERVICE CONNECTION TO WATER MAIN AND CURB STOP (TYP.)

120 L.F. OF 8" RJT WATER MAIN,
(4) 8" 45° VERTICAL BENDS,
(2) 8" 45° BENDS

82 L.F. OF 8" WATER MAIN
(422)

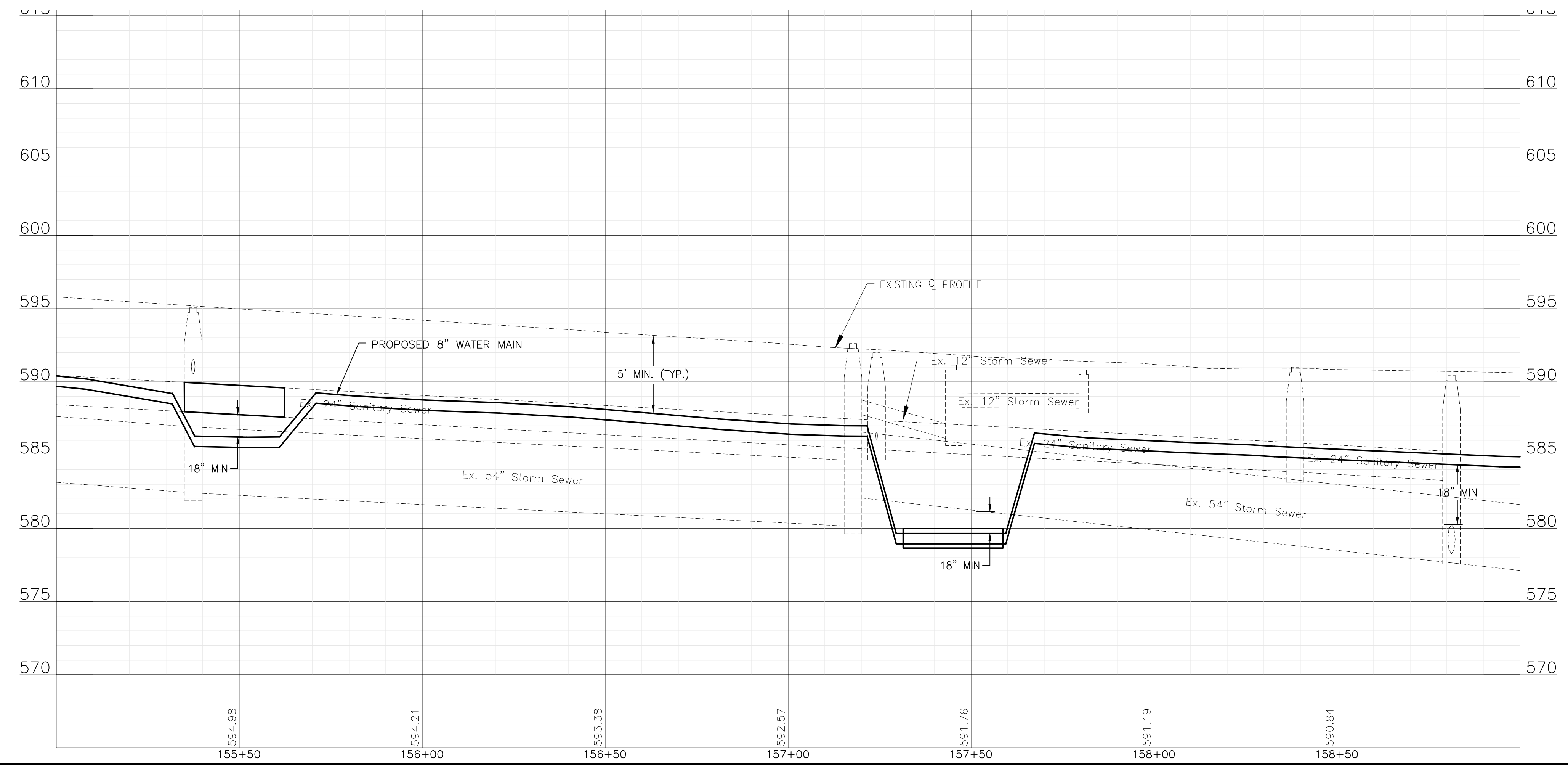
93 L.F. OF 8" RJT WATER MAIN,
33 L.F. OF 16" CASING PIPE
(TUNNELING UNDER SEWER),
(4) 8" 45° VERTICAL BENDS,
(1) 8" 22.5° BEND,
(1) 8" 45° BEND

81 L.F. OF 8" WATER MAIN
(414)

NOTE:
WATER SERVICES: (4) WATER SERVICE CONNECTIONS ARE ANTICIPATED ON THIS SHEET. FINAL NUMBER AND LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

NOTE:
STORM SEWER PIPE ON THIS SHEET HAS BEEN PREVIOUSLY INSTALLED AS REINFORCED CONCRETE PIPE CONFORMING TO ASTM C76 WITH JOINTS CONFORMING TO ASTM C361 OR ASTM C443.

BUELL AVENUE



P:\JOLTC\2325880-2025 WATER MAIN\CAD\UPPER BLUFF\01_CIVIL_3D\01_SHTS-PLANS-UPPER BLUFF-01_BUELLAVE.DWG 155+00.00
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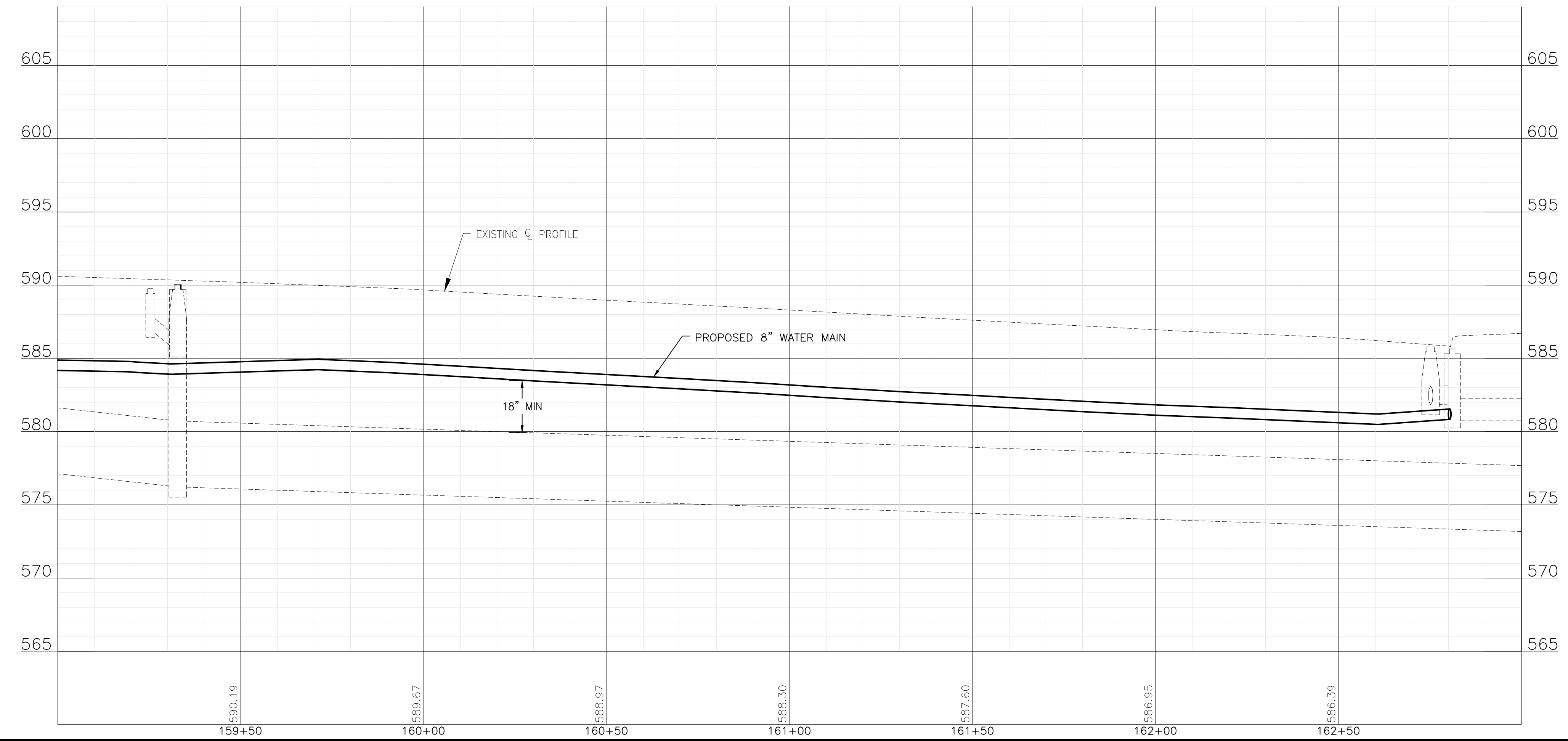
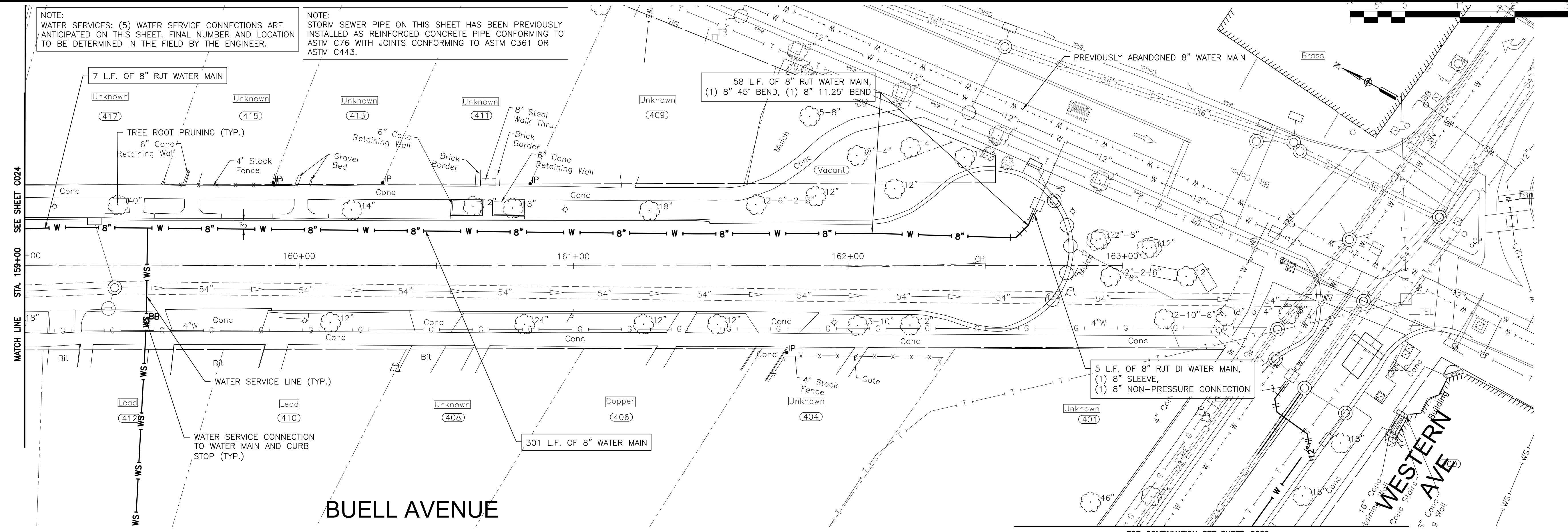
CITY OF JOLIET, ILLINOIS
UPPER BLUFF 2025 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2852-0125

BUELL AVENUE STA. 155+00 TO STA. 159+00 PLAN AND PROFILE

SCALE: HORIZ 1"=20' / VERT 1"=5'

PROJECT NO: 2325880.00

DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - UKB		
CHECKED - MJF		
DATE - 10/17/2024		C024



P:\JOLTC\2325880-2025 WATER MAIN\CAD\UPPER BLUFF\01_GWIL_3D\01_SHTS-PLANS-UPPER BLUFF\01_BUELLAVE.DWG 159+00.00
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CITY OF JOLIET, ILLINOIS
UPPER BLUFF 2025 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2852-0125

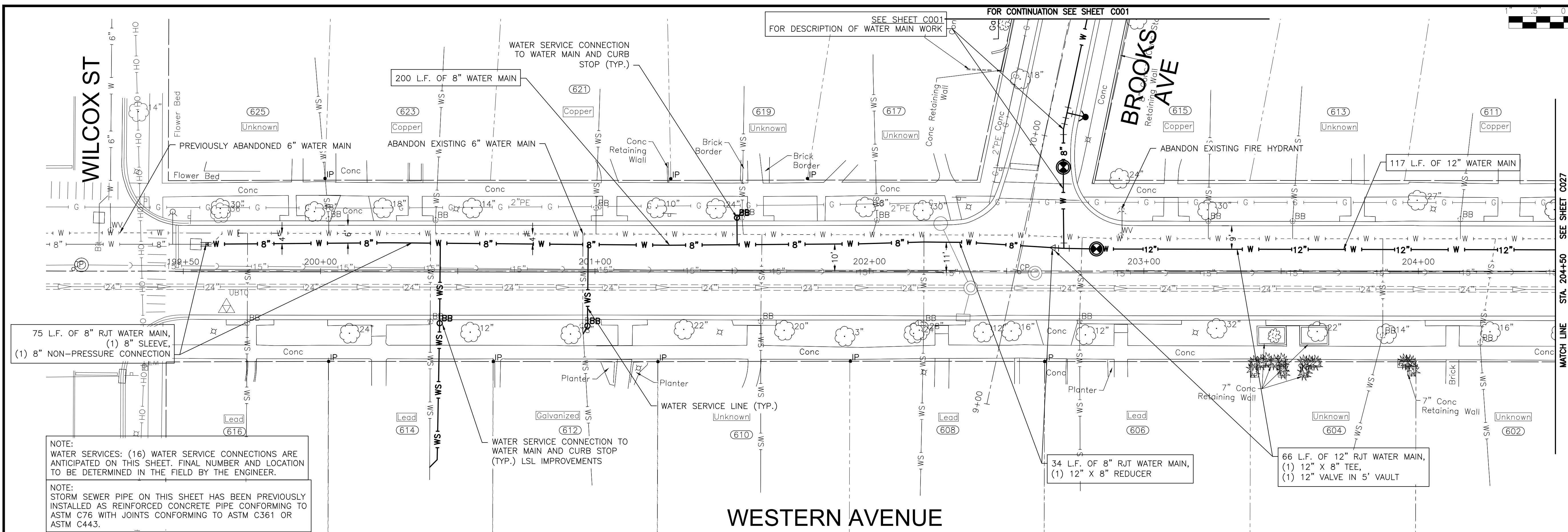
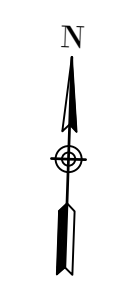
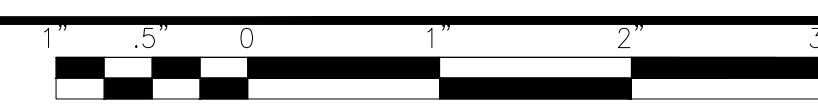
BUELL AVENUE STA. 159+00 TO STA. 163+00 PLAN AND PROFILE

SCALE: HORIZ 1"=20' / VERT 1"=5'

PROJECT NO: 2325880.00

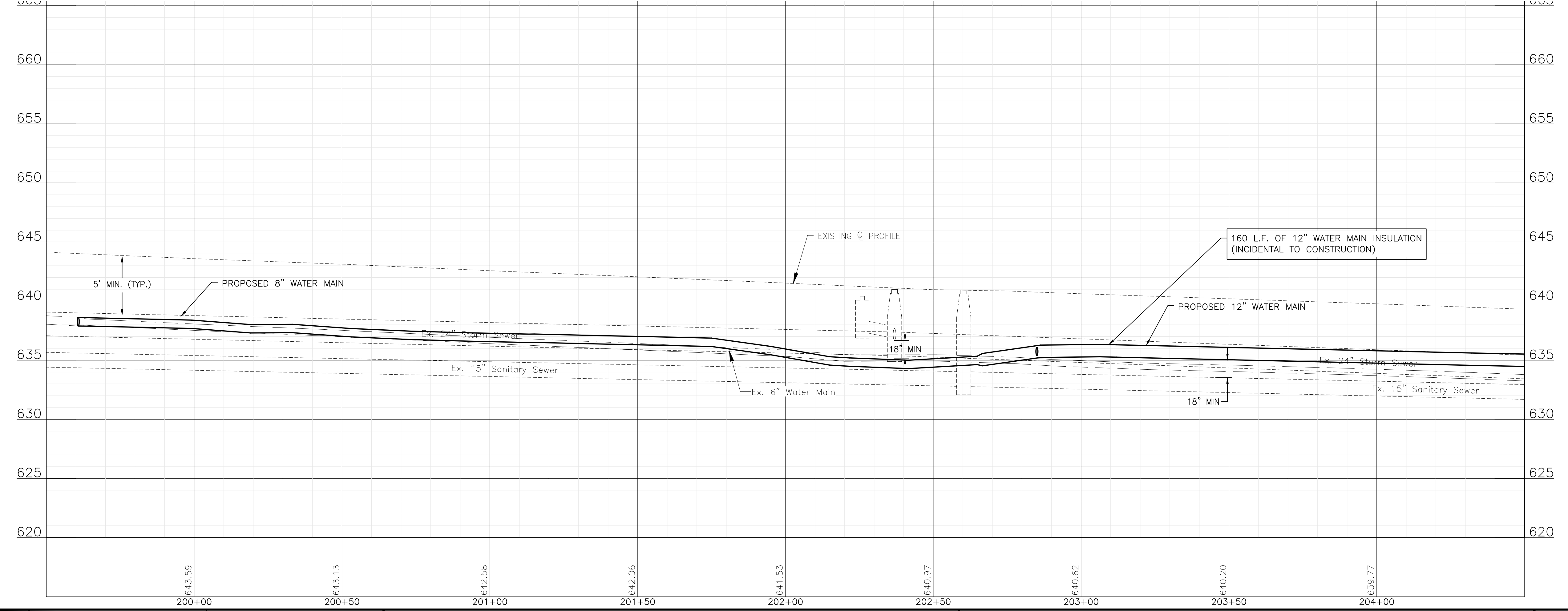
DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - UKB	39	C025
CHECKED - MJF		
DATE - 10/17/2024		

FINAL DESIGN FOR BIDDING



NOTE:
WATER SERVICES: (16) WATER SERVICE CONNECTIONS ARE ANTICIPATED ON THIS SHEET. FINAL NUMBER AND LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

NOTE:
STORM SEWER PIPE ON THIS SHEET HAS BEEN PREVIOUSLY INSTALLED AS REINFORCED CONCRETE PIPE CONFORMING TO ASTM C76 WITH JOINTS CONFORMING TO ASTM C361 OR ASTM C443.



P:\JOLTC\2325880-2025 WATER MAIN\CAD\UPPER BLUFF\01_CIVIL_3D\01_SHTS-PLANS\2325880-UPPER_BLUFF-WESTERNAVE.DWG 199+50.00
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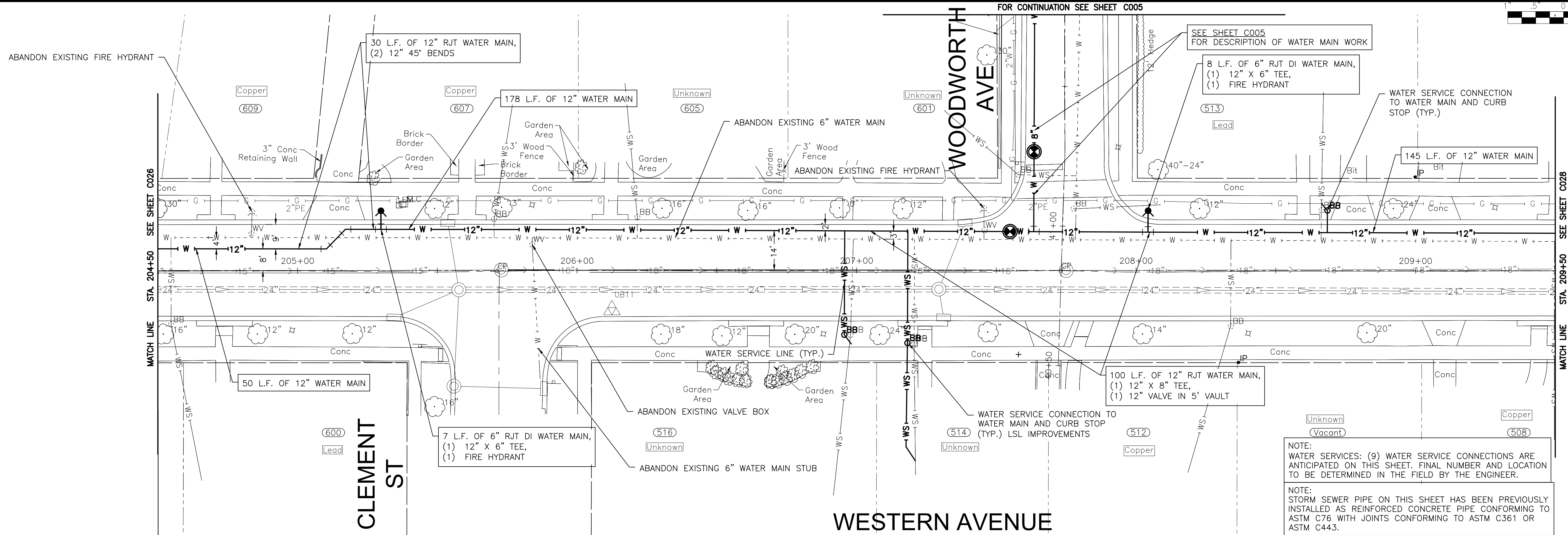
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CITY OF JOLIET, ILLINOIS
UPPER BLUFF 2025 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2852-0125

WESTERN AVENUE STA. 199+50 TO STA. 204+50 PLAN AND PROFILE
 SCALE: HORIZ 1"=20' / VERT 1"=5'
 PROJECT NO: 2325880.00

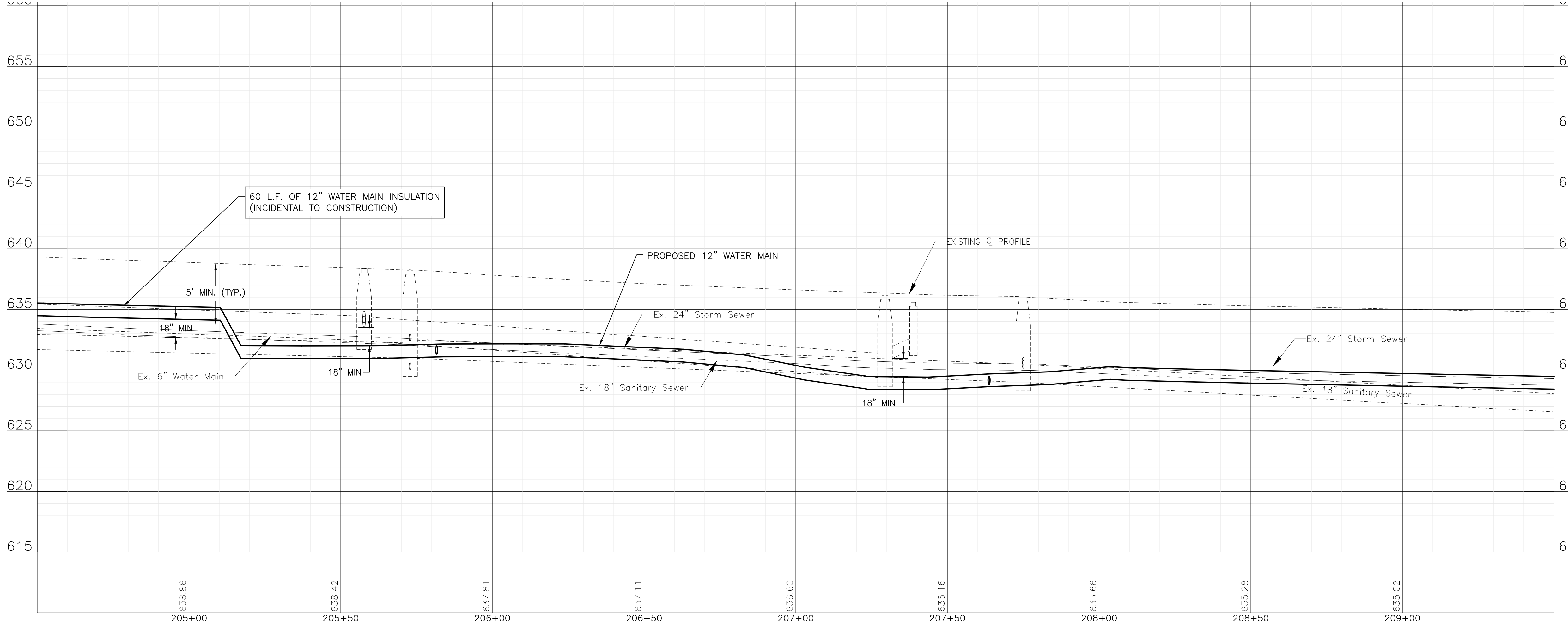
DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - UKB	39	C026
CHECKED - MJF		
DATE - 10/17/2024		

FINAL DESIGN FOR BIDDING



NOTE:
 WATER SERVICES: (9) WATER SERVICE CONNECTIONS ARE ANTICIPATED ON THIS SHEET. FINAL NUMBER AND LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

NOTE:
 STORM SEWER PIPE ON THIS SHEET HAS BEEN PREVIOUSLY INSTALLED AS REINFORCED CONCRETE PIPE CONFORMING TO ASTM C76 WITH JOINTS CONFORMING TO ASTM C361 OR ASTM C443.



P:\JOL\2325880-2025 WATER MAIN\CAD\UPPER BLUFF\01_CWIL_3D\01_SHTS-PLANS\2325880-UPPER_BLUFF-WESTERNAVE.DWG 204+50.00
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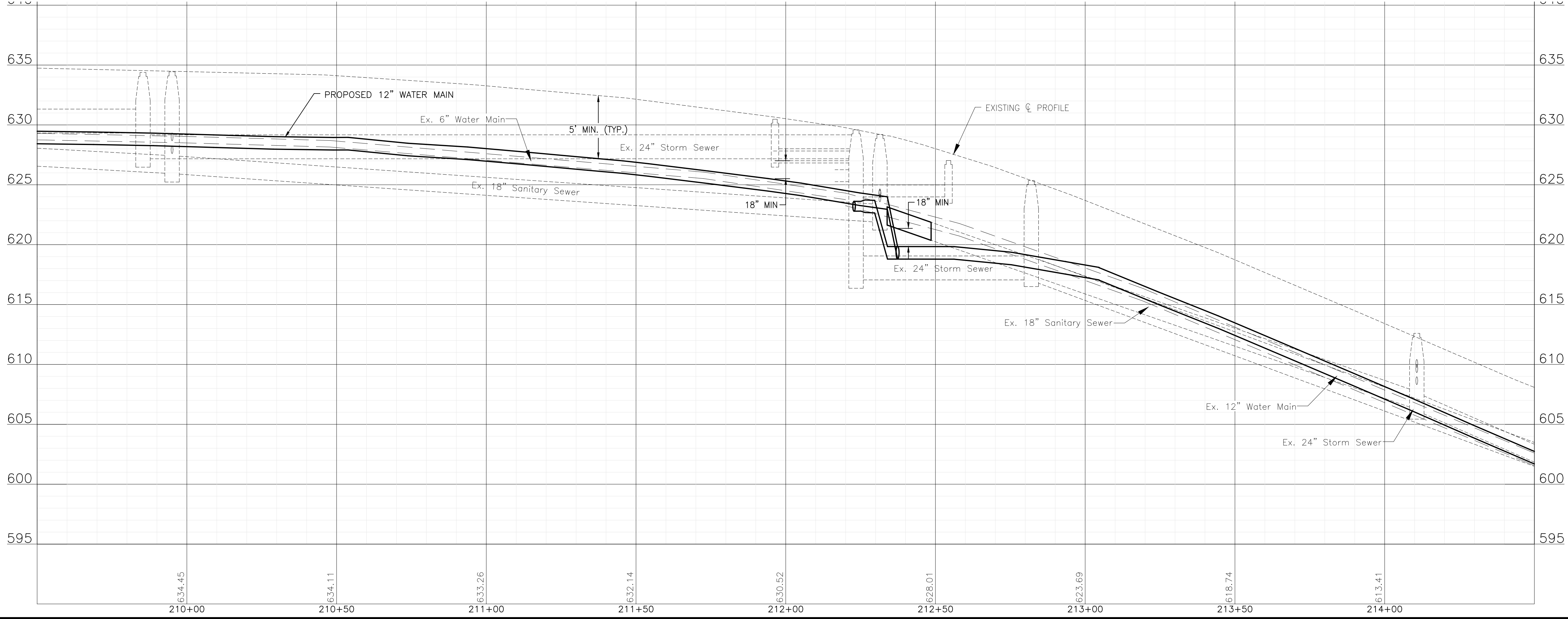
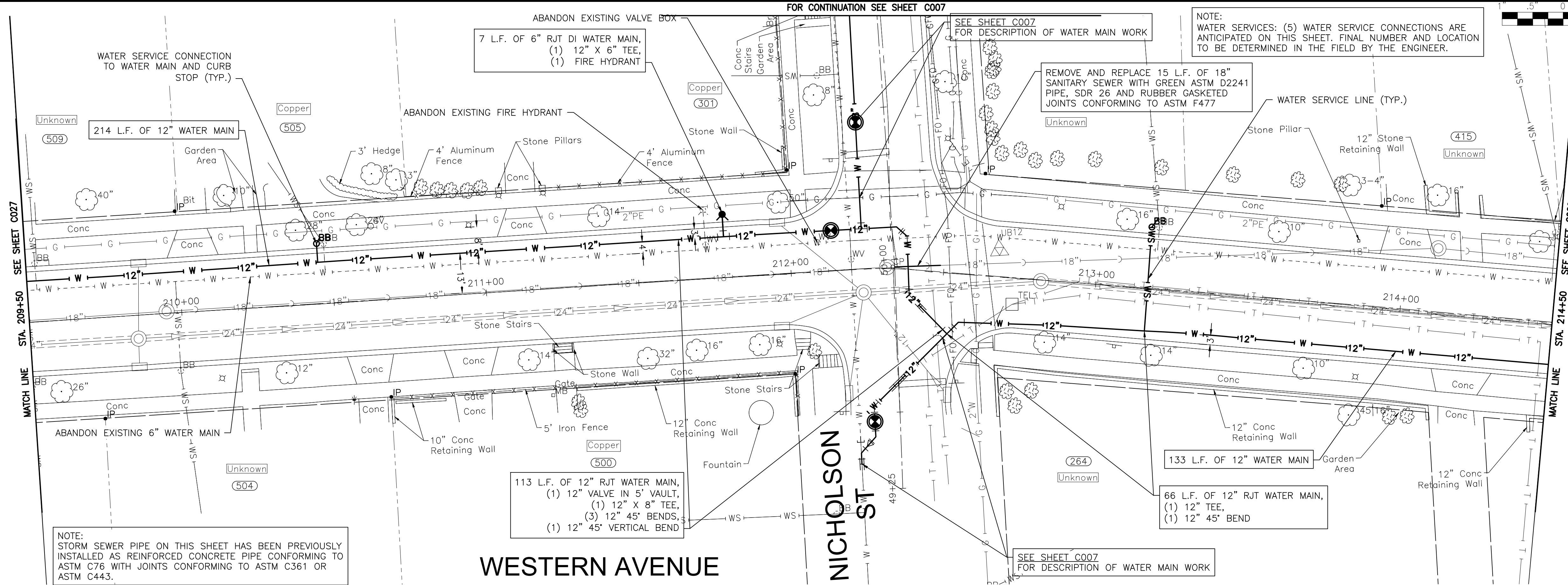
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CITY OF JOLIET, ILLINOIS
UPPER BLUFF 2025 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2852-0125

WESTERN AVENUE STA. 204+50 TO STA. 209+50 PLAN AND PROFILE
 SCALE: HORIZ 1"=20' / VERT 1"=5'
 PROJECT NO: 2325880.00

DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - UKB	39	C027
CHECKED - MJF		
DATE - 10/17/2024		

FINAL DESIGN FOR BIDDING



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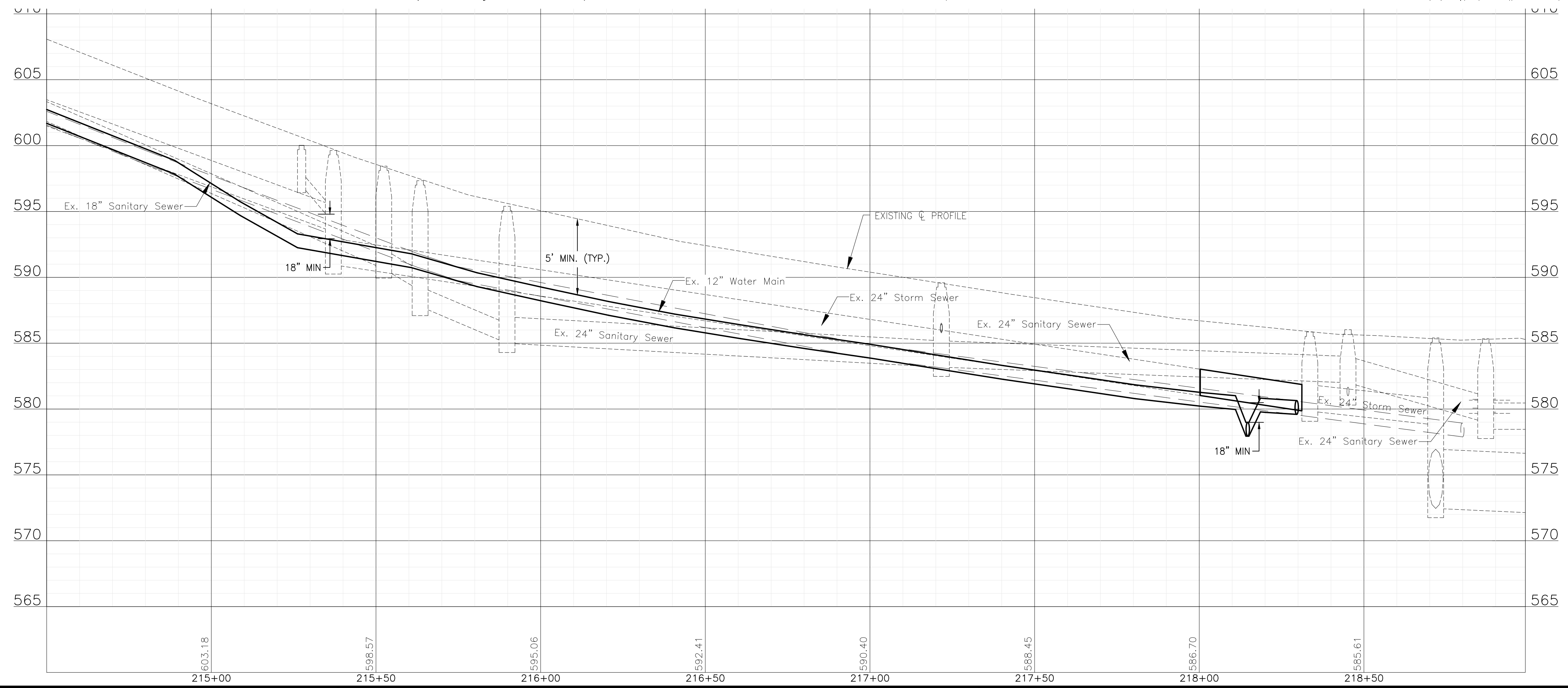
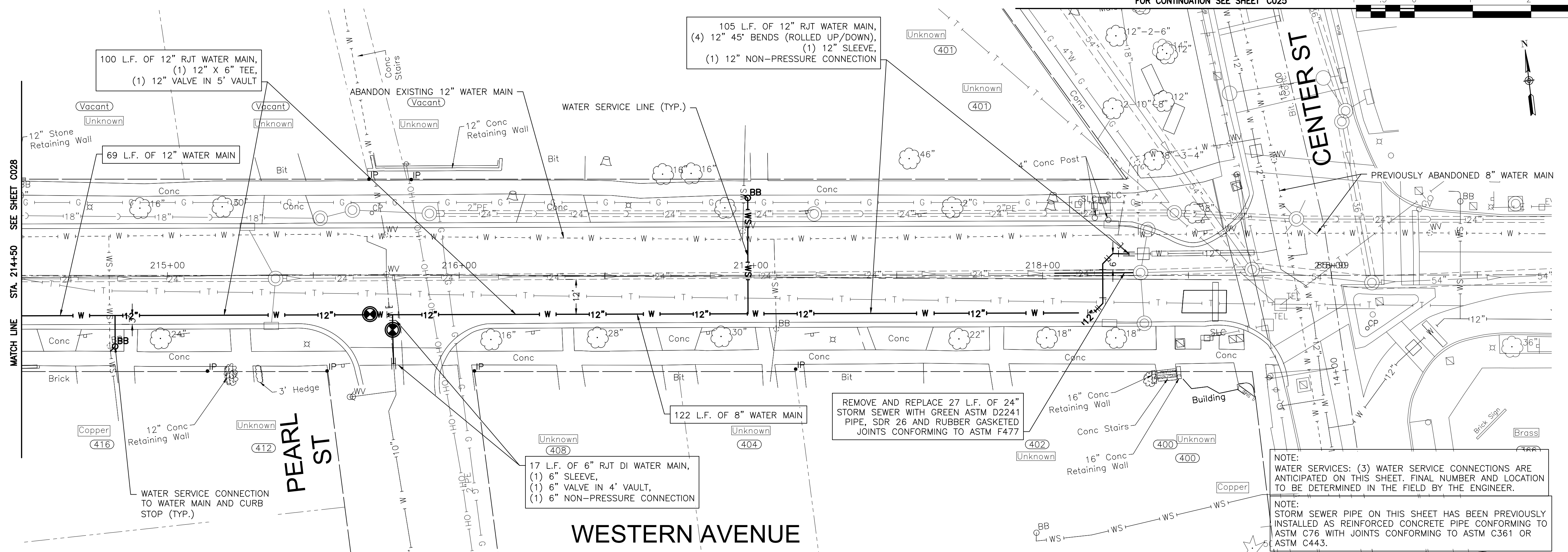
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CITY OF JOLIET, ILLINOIS
UPPER BLUFF 2025 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2852-0125

WESTERN AVENUE STA. 209+50 TO STA. 214+50 PLAN AND PROFILE
 SCALE: HORIZ 1"=20' / VERT 1"=5'
 PROJECT NO: 2325880.00

DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - UKB	39	C028
CHECKED - MJF		
DATE - 10/17/2024		

FINAL DESIGN FOR BIDDING



NOTE:
WATER SERVICES: (3) WATER SERVICE CONNECTIONS ARE ANTICIPATED ON THIS SHEET. FINAL NUMBER AND LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

NOTE:
STORM SEWER PIPE ON THIS SHEET HAS BEEN PREVIOUSLY INSTALLED AS REINFORCED CONCRETE PIPE CONFORMING TO ASTM C76 WITH JOINTS CONFORMING TO ASTM C361 OR ASTM C443.

P:\JOLTC\2325880-2025 WATER MAIN\CAD\UPPER BLUFF\01_CIVIL_3D\01_SHTS-PLANS-UPPER BLUFF\01_UPPER BLUFF-WESTERNAVE.DWG 214+50.00
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CITY OF JOLIET, ILLINOIS
UPPER BLUFF 2025 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2852-0125

WESTERN AVENUE STA. 214+50 TO STA. 219+00 PLAN AND PROFILE

SCALE: HORIZ 1"=20' / VERT 1"=5'

PROJECT NO: 2325880.00

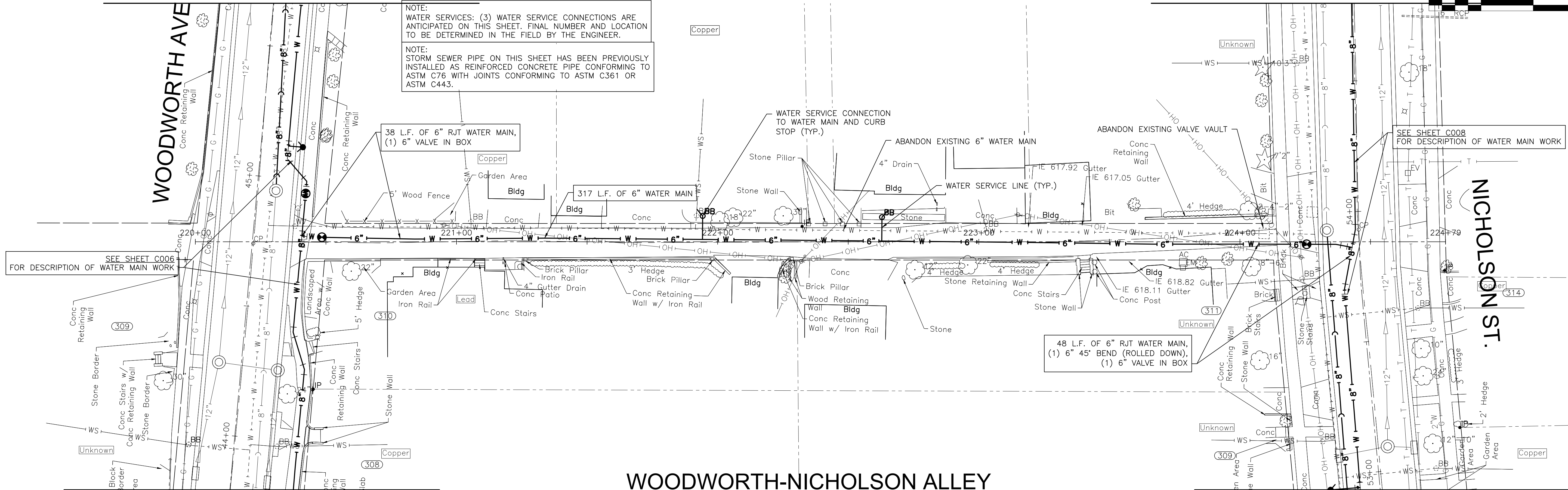
DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - UKB	39	C029
CHECKED - MJF		
DATE - 10/17/2024		

FINAL DESIGN FOR BIDDING

FOR CONTINUATION SEE SHEET C006

FOR CONTINUATION SEE SHEET C008

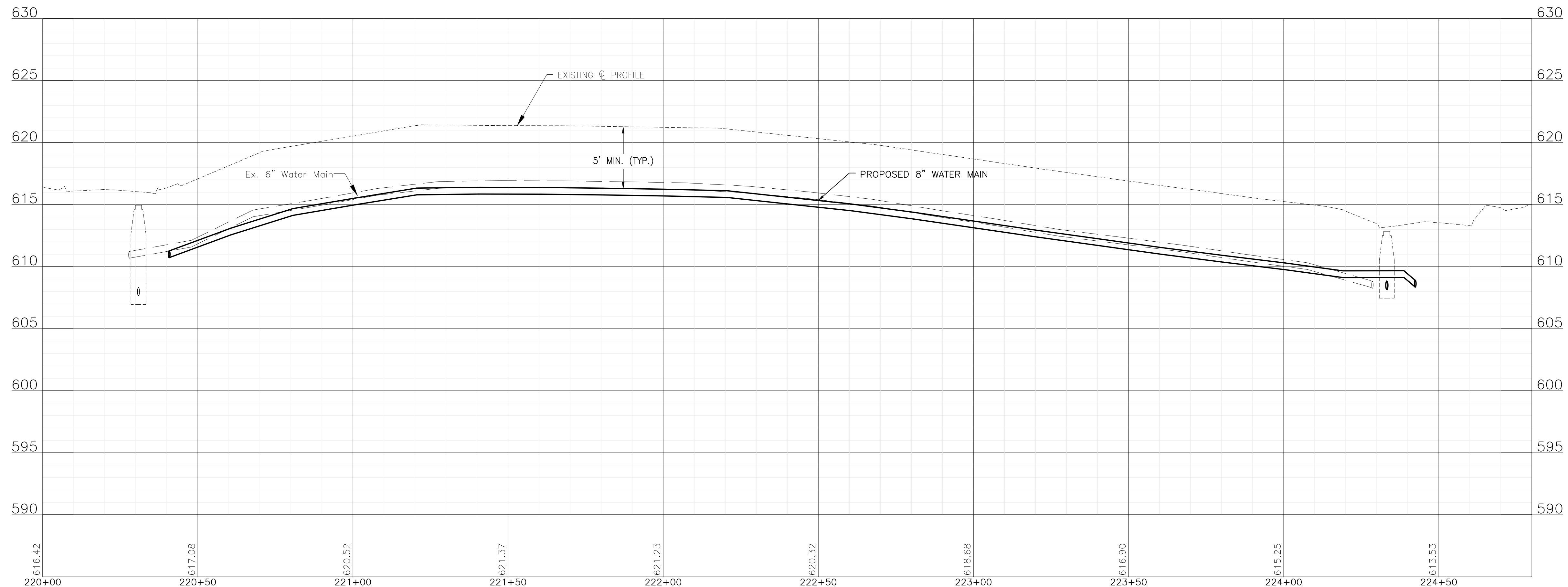
NOTE:
WATER SERVICES: (3) WATER SERVICE CONNECTIONS ARE ANTICIPATED ON THIS SHEET. FINAL NUMBER AND LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
NOTE:
STORM SEWER PIPE ON THIS SHEET HAS BEEN PREVIOUSLY INSTALLED AS REINFORCED CONCRETE PIPE CONFORMING TO ASTM C76 WITH JOINTS CONFORMING TO ASTM C361 OR ASTM C443.



WOODWORTH-NICHOLSON ALLEY

FOR CONTINUATION SEE SHEET C005

FOR CONTINUATION SEE SHEET C007



FINAL DESIGN FOR BIDDING

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CITY OF JOLIET, ILLINOIS
UPPER BLUFF 2025 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2852-0125

WOODWORTH ALLEY STA. 220+00 TO STA. 224+50 PLAN AND PROFILE

SCALE: HORIZ 1"=20' / VERT 1"=5'

PROJECT NO: 2325880.00

DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - ABN/UKB	39	C030
CHECKED - MJF		
DATE - 10/17/2024		

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	REVISED -

**CITY OF JOLIET, ILLINOIS
 UPPER BLUFF 2025 WATER MAIN IMPROVEMENTS
 CITY OF JOLIET CONTRACT NO. 2852-0125**

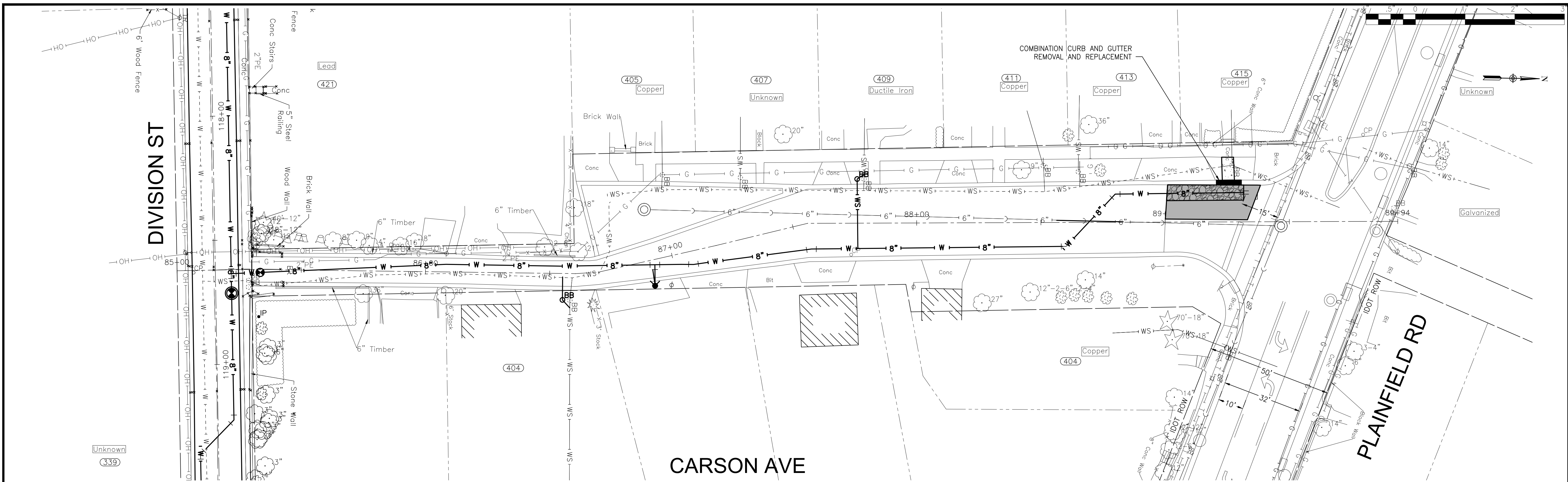
SCALE: HORIZ 1"=20' / VERT 1"=5'

CARSON AVENUE STA. 85+00 TO STA. 90+00 RESTORATION PLAN

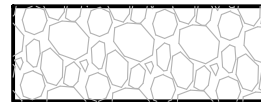

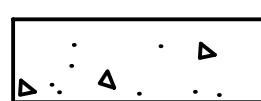
PROJECT NO: 2325880.00

DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - ABN/UKB	39	C031
CHECKED - MJF		
DATE - 10/17/2024		

FINAL DESIGN
 FOR BIDDING



RESTORATION LEGEND

-  TRENCH AND TEMPORARY PAVEMENT
-  CLASS B PATCH, 12"
-  PCC SIDEWALK REMOVAL AND REPLACEMENT

SECTION
CARRIER PIPE ELEVATION AS SHOWN ON THE DRAWINGS
CASING SPACERS RESTRAINED TYPE SEE NOTE NO. 2
CASING PIPE SIZE & LENGTH AS SHOWN ON THE DRAWINGS
SEE NOTE NO. 1

PROFILE
CASING PIPE
CASING SPACERS SEE NOTE NO. 3
CARRIER PIPE
UTILIZE RESTRAINED JOINT FITTINGS
END SEAL W/ STAINLESS STEEL BANDS

NOTES:
1. FILLING OF ANNULAR SPACE BETWEEN CARRIER PIPE AND CASING PIPE WITH SAND OR PEA GRAVEL IS NOT REQUIRED WHEN UTILIZING CASING SPACERS, UNLESS CONTRACTOR IS INSTRUCTED TO DO SO ON DRAWINGS OR IN SPECIFICATIONS.
2. WHERE CARRIER PIPE IS NOT CENTERED IN CASING PIPE, PROVIDE CASING SPACERS WITH LEGS THAT EXTEND TO WITHIN 1-INCH OF CASING INSIDE DIAMETER ON ALL SIDES (RESTRAINED TYPE).
3. PROVIDE NUMBER OF SPACERS AS INSTRUCTED BY SPACER MANUFACTURER, WITH A MINIMUM OF ONE SPACER ON EACH SIDE OF A PIPE JOINT, AND ONE SPACER BETWEEN JOINTS. (THREE (MIN.) PER PIPE LENGTH)
4. ALL CARRIER PIPE INSTALLED WITHIN CASING PIPE TO BE RESTRAINED JOINT TYPE

NOT TO SCALE
CITY OF JOLIET, ILLINOIS
CASING DETAIL
GEN-01
DATE: OCT. 2017

PLAN
11"

SECTION
OVERFLOW SLOTS
STEEL MESH
REPLACEABLE FILTER BAG
12"-30"
10"-30"
5"

GENERAL NOTES:
FRAME: TOP RING CONSTRUCTED FROM 1 1/4" x 1 1/4" x 1/8" ANGLE. BASE RING CONSTRUCTED OF 1 1/2" x 1/2" x 1/8" CHANNEL. HANDLES & SUSPENSION BRACKETS CONSTRUCTED FROM 1/4" x 1 1/4" FLAT. ALL STEEL CONFORMING TO ASTM-A36.
REPLACEABLE BAG: CONSTRUCTED FROM 4 OZ./SQ. YD. NON-WOVEN POLYPROPYLENE GEOTEXTILE REINFORCED WITH POLYESTER MESH. CONNECTED TO BASE RING WITH STAINLESS STEEL STRAP & LOCK.
STEEL MESH: REMOVABLE STAINLESS STEEL MESH STRAINER BASKET. 1/4" DIA. HOLE SIZE, 58% OPEN AREA.

NOT TO SCALE
CITY OF JOLIET, ILLINOIS
INLET PROTECTION FILTER DETAIL
GEN-02
DATE: OCT. 2017

STANDARD BACKFILL
BEDDING & COVERING MATERIAL PER PROJECT MANUAL
INSTALL GEOTEXTILE FABRIC TO ENVELOP CA-1 STONE AND BEDDING AND COVERING MATERIAL
SEWN SEAMS BETWEEN SECTIONS OF FABRIC
TYPICAL TRENCH BOTTOM
CA-1 TO TYPICAL TRENCH BOTTOM
REMOVE UNSUITABLE MATERIAL AND REPLACE WITH CA-1 STONE AS OUTLINED IN PROJECT MANUAL
ACCEPTABLE MATERIAL
UNUSUITABLE MATERIAL
SEE PROJECT MANUAL FOR LIMITS OF PAY QUANTITIES AND METHODS OF MEASUREMENT

NOT TO SCALE
CITY OF JOLIET, ILLINOIS
OPEN CUT PIPELINE INSTALLATION UNSUITABLE MATERIAL REMOVAL/REPLACEMENT
GEN-03
DATE: OCT. 2017

NOTE: PROJECT MANUAL REFERS TO "PROJECT SPECIFICATIONS", NOT TO IDOT STANDARD SPECIFICATIONS.
SEE PAVEMENT SECTION DETAIL AND PROJECT MANUAL
6' (MAX.)
HOT-MIX ASPHALT SURFACE COURSE
HOT-MIX ASPHALT BINDER COURSE
EX. SURFACE
BITUMINOUS MATERIALS (PRIME COAT)
FULL DEPTH SAW CUT (TYP.)
EX. AGGREGATE BASE
AGGREGATE BASE COURSE, 10" (100% CRUSHED CA-6)
CA-6 OR CA-7
12" (MIN.)
GRANULAR PIPE BEDDING AND COVER MATERIAL ** IDOT GRADATION CA11 OR CA7 UNLESS AN ALTERNATE IS NOTED IN PROJECT MANUAL
PROPOSED PIPELINE SEE PROJECT MANUAL OR DRAWINGS
MAXIMUM TRENCH WIDTH
PIPE DIA. WIDTH
12" OR SMALLER = 30"
14" TO 18" = 36"
20" TO 24" = 42"
27" TO 30" = 48"
33" AND LONGER = 0.0x1 1/3

NOT TO SCALE
CITY OF JOLIET, ILLINOIS
FOR PAVEMENT WITH AGGREGATE BASE AND COMPACTED GRANULAR BACKFILL MATERIAL
** FOR FLEXIBLE THERMOPLASTIC PIPE COMPLY WITH ASTM D2321, CLASS IA, IB, OR II, (IDOT GRADATION CA15)
FOR RIGID PIPE COMPLY WITH ASTM C12, BEDDING CLASS B.
TYPICAL TRENCH DETAIL PAVEMENT AREA
AGGREGATE BASE
GEN-04
DATE: OCT. 2017

NOTES:
1. PROJECT MANUAL REFERS TO "PROJECT SPECIFICATIONS", NOT TO IDOT STANDARD SPECIFICATIONS.
2. FARM FIELDS, GARDENS, AND WETLAND AREAS MAY REQUIRE STRIPPING, STOCKPILING, AND REPLACING ORIGINAL MATERIAL TO A SPECIFIC DEPTH. SEE PROJECT MANUAL OR GENERAL NOTES FOR REQUIREMENTS.

4" TOPSOIL
EXISTING SURFACE
EXCAVATED MATERIALS
FOR TRENCHES IN LAWNS, PARKWAYS AND OTHER IMPROVED AREAS NOT SUBJECT TO VEHICULAR TRAFFIC. COMPACT MAXIMUM LIFTS OF 12-INCHES TO 85% OF MAXIMUM DENSITY.
12" (MIN.)
6"
MAXIMUM TRENCH WIDTH
PIPE DIA. WIDTH
12" OR SMALLER = 30"
14" TO 18" = 36"
20" TO 24" = 42"
27" TO 30" = 48"
33" AND LONGER = 0.0x1 1/3

FOR NON-PAVED AREAS
NOT TO SCALE
CITY OF JOLIET, ILLINOIS
TYPICAL TRENCH DETAIL NON PAVED AREAS
GEN-05
DATE: OCT. 2017

* FOR HDPE PIPE COMPLY WITH ASTM 2321, CLASS I OR II. FOR RIGID PIPE COMPLY WITH ASTM C12, BEDDING CLASS B.

EXIST DRIVE
BIT.
ROW
3'
3'
EXIST DRIVE
PCC
ROW
3'
3'
EXIST DRIVE
GRAVEL
ROW
3'
3'
3'
3'
3'
3'

HOT-MIX ASPHALT SURFACE COURSE, 3"
AGGREGATE BASE CRSE. TYPE B - 3" (INCIDENTAL TO DRIVEWAY)
SECTION - A
HOT-MIX ASPHALT

HOT-MIX ASPHALT SURFACE COURSE, 2" MIN
HOT-MIX ASPHALT BINDER COURSE, 4" MIN
AGGREGATE BASE COURSE (100% CRUSHED CA-6) 10" MIN
EXISTING SUB-GRADE
SECTION - B
P.C.C.

HOT-MIX ASPHALT SURFACE COURSE, 2" MIN
HOT-MIX ASPHALT BINDER COURSE, 10" MIN (2 LIFTS)
AGGREGATE BASE COURSE (100% CRUSHED CA-6) 10" MIN
EXISTING SUB-GRADE
SECTION - C
GRAVEL

NOT TO SCALE
CITY OF JOLIET, ILLINOIS
DRIVEWAY PAVEMENT DETAIL
PVT-01
DATE: OCT. 2017

NOTES:
1. APRON: 8:1 SLOPE FROM FRONT OF SIDEWALK TO BACK OF CURB.
2. SIDEWALK: 1/4" / FT SLOPE

HOT-MIX ASPHALT SURFACE COURSE, 1.5" MIN
HOT-MIX ASPHALT BINDER COURSE, 2.5" MIN
AGGREGATE BASE COURSE (100% CRUSHED CA-6) 10" MIN
EXISTING SUB-GRADE
MINOR RESIDENTIAL STREETS

HOT-MIX ASPHALT SURFACE COURSE, 2" MIN
HOT-MIX ASPHALT BINDER COURSE, 4" MIN
AGGREGATE BASE COURSE (100% CRUSHED CA-6) 10" MIN
EXISTING SUB-GRADE
ARTERIAL STREETS

HOT-MIX ASPHALT SURFACE COURSE, 2" MIN
HOT-MIX ASPHALT BINDER COURSE, 10" MIN (2 LIFTS)
AGGREGATE BASE COURSE (100% CRUSHED CA-6) 10" MIN
EXISTING SUB-GRADE
MAJOR ARTERIAL STREETS

NOT TO SCALE
CITY OF JOLIET, ILLINOIS
TYPICAL PAVEMENT SECTION
PVT-02
DATE: OCT. 2017

NOTES:
1. ALL PAVEMENT PATCHES SHALL BE SAWCUT FULL-DEPTH.
2. MAXIMUM ALLOWABLE WIDTH USED FOR TRENCH RESTORATION PAY QUANTITY CALCULATIONS SHALL BE 6'.
3. DETAILS APPLY UNLESS OTHERWISE NOTED ON PLANS.

REMOVE PORTION OF PIPE IN CONFLICT
NEW PIPELINE
EXISTING SEWER SERVICE
NON-SHEAR FLEXIBLE WATERTIGHT COUPLING
22.5' OR 45' BENDS (TYP.)
PVC SDR 26, ASTM D2241
EXISTING SANITARY SEWER
NON-SHEAR FLEXIBLE WATERTIGHT COUPLING FOR CONNECTION TO SEWER

NOT TO SCALE
CITY OF JOLIET, ILLINOIS
SANITARY SEWER SERVICE RELOCATION
SAN-03
DATE: OCT. 2017

P:\JOLIET\2325880-2025 WATER MAIN\CAD\UPPER BLUFF\01_CIVIL_3D\01_SHTS-PLANS\UPPER BLUFF COVER SHEETS.DWG Details
Plotted: 10/11/2024 11:52 AM By: RWOELLER
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CONSULTANTS	REVISED -
	REVISED -
	REVISED -
	REVISED -

**CITY OF JOLIET, ILLINOIS
UPPER BLUFF 2025 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2852-0125**

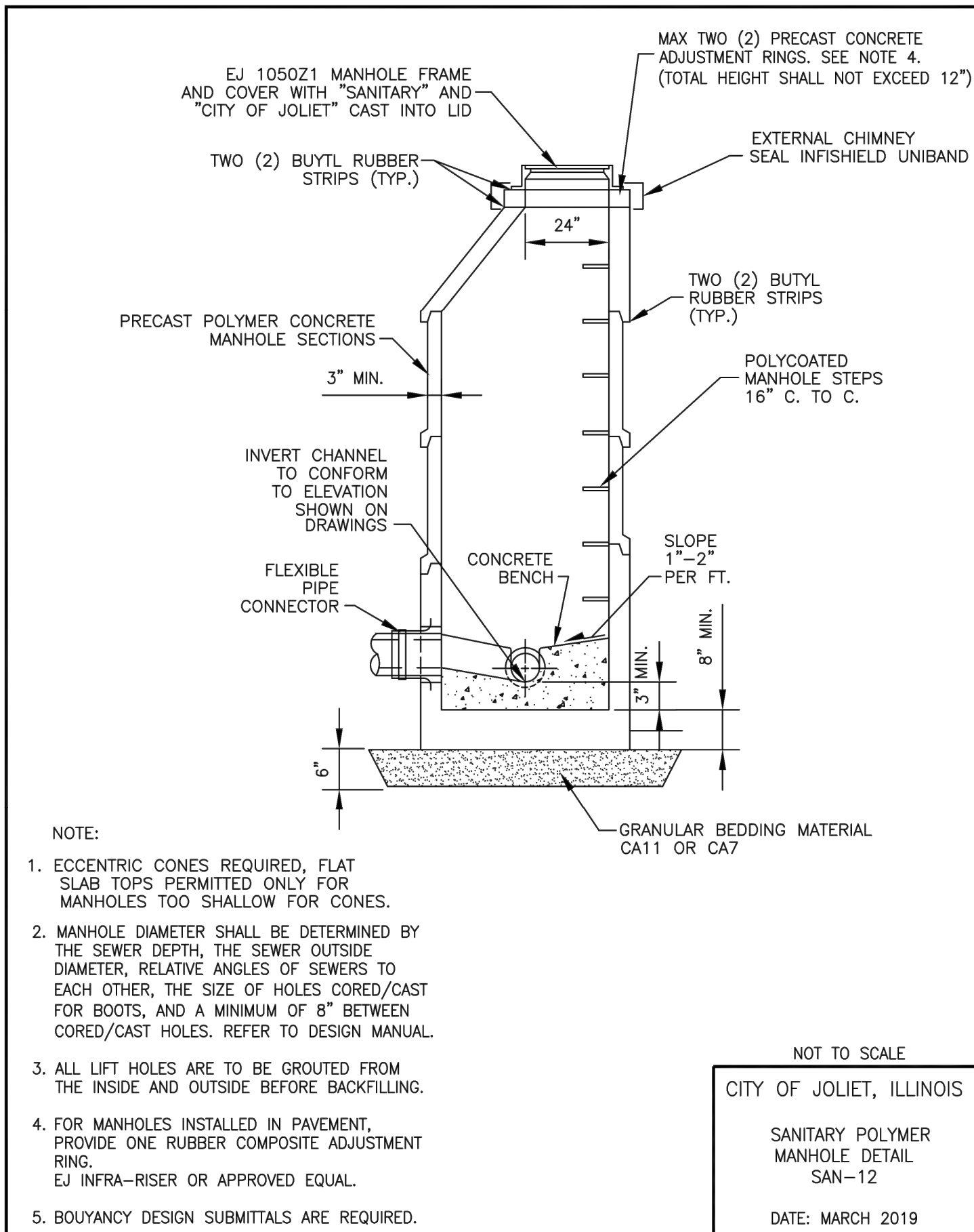
SCALE: 1" = 20'

DETAILS

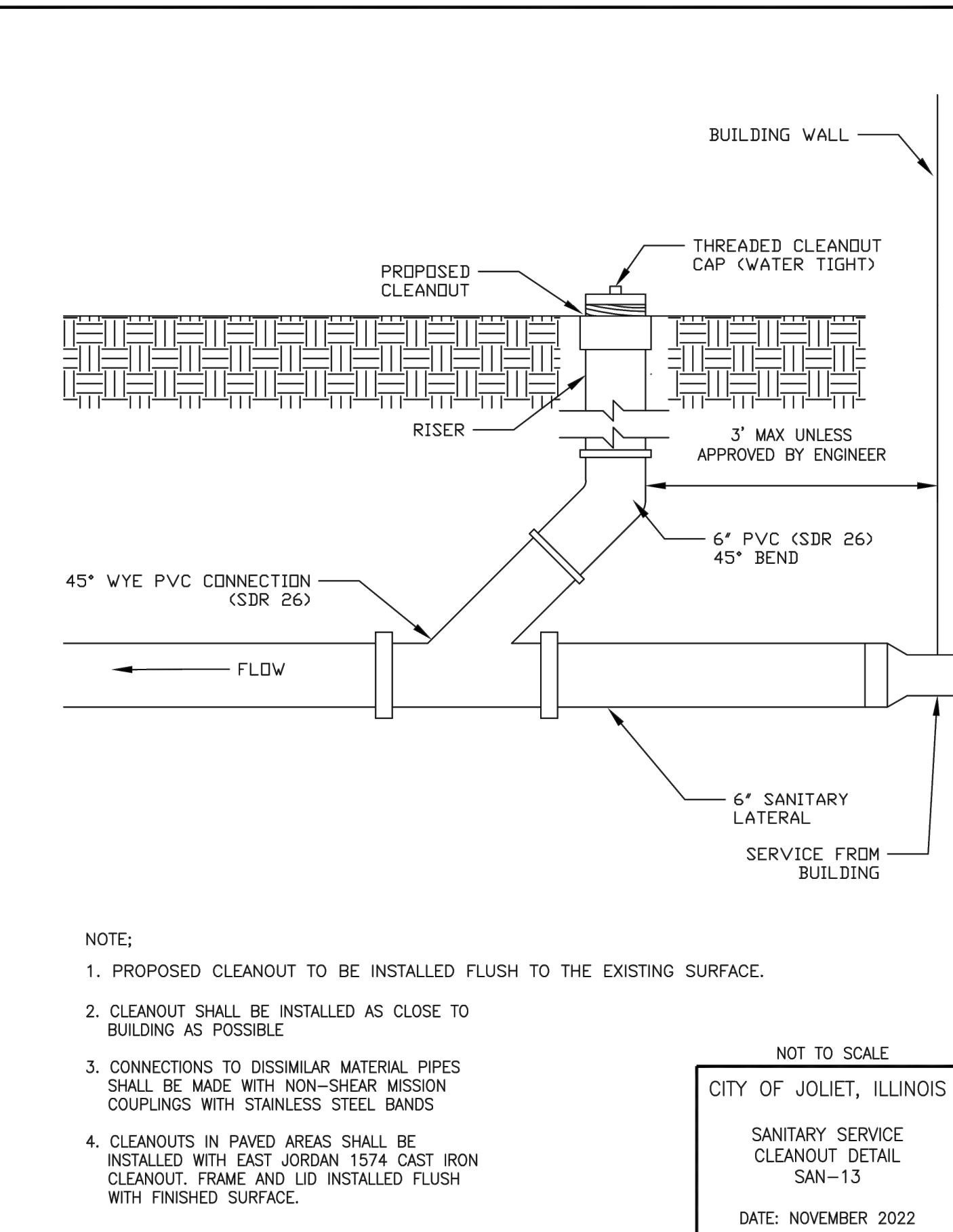
PROJECT NO: 2325880.00

DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - ABN/UKB	39	C032
CHECKED - MJF		
DATE - 10/17/2024		

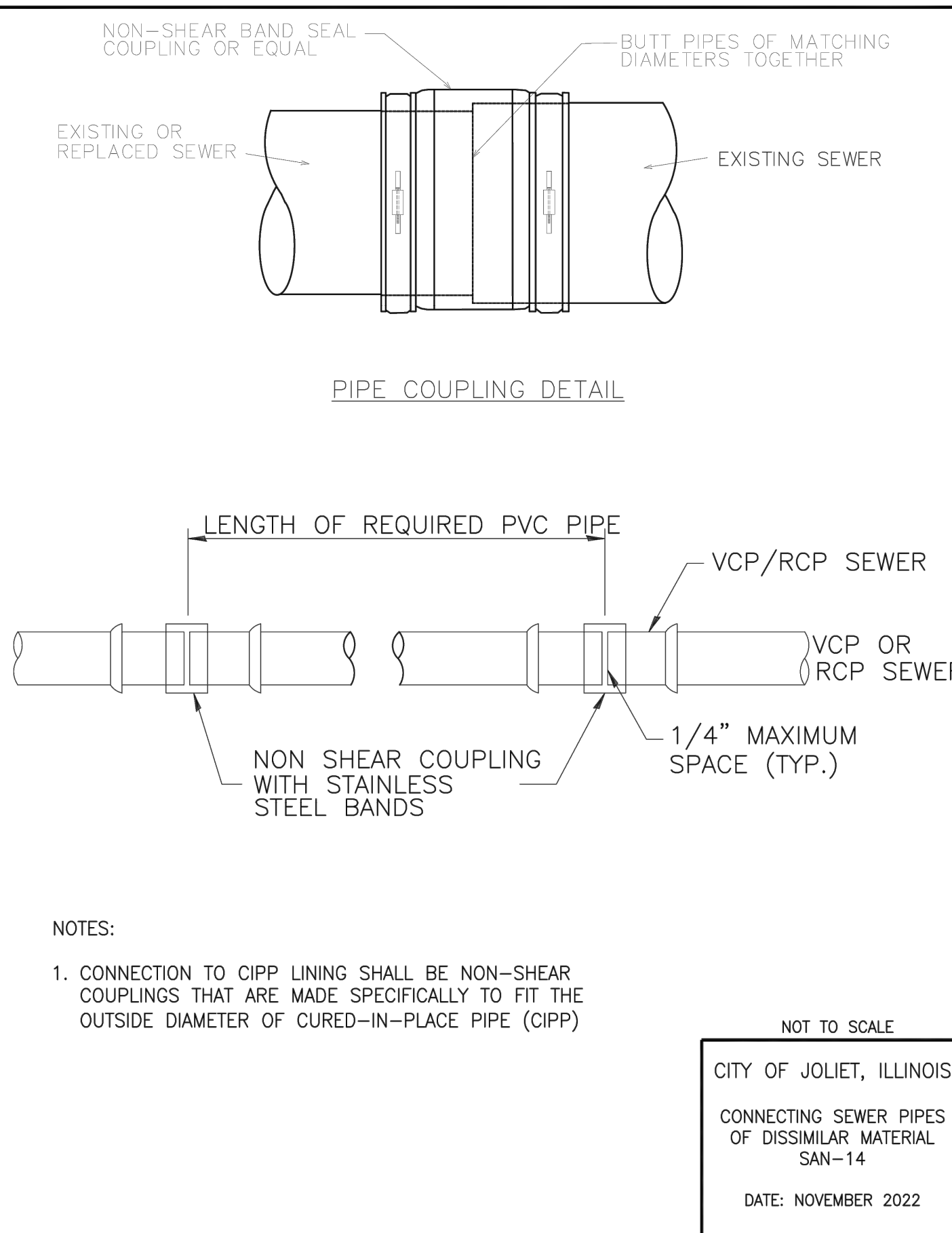
**FINAL DESIGN
FOR BIDDING**



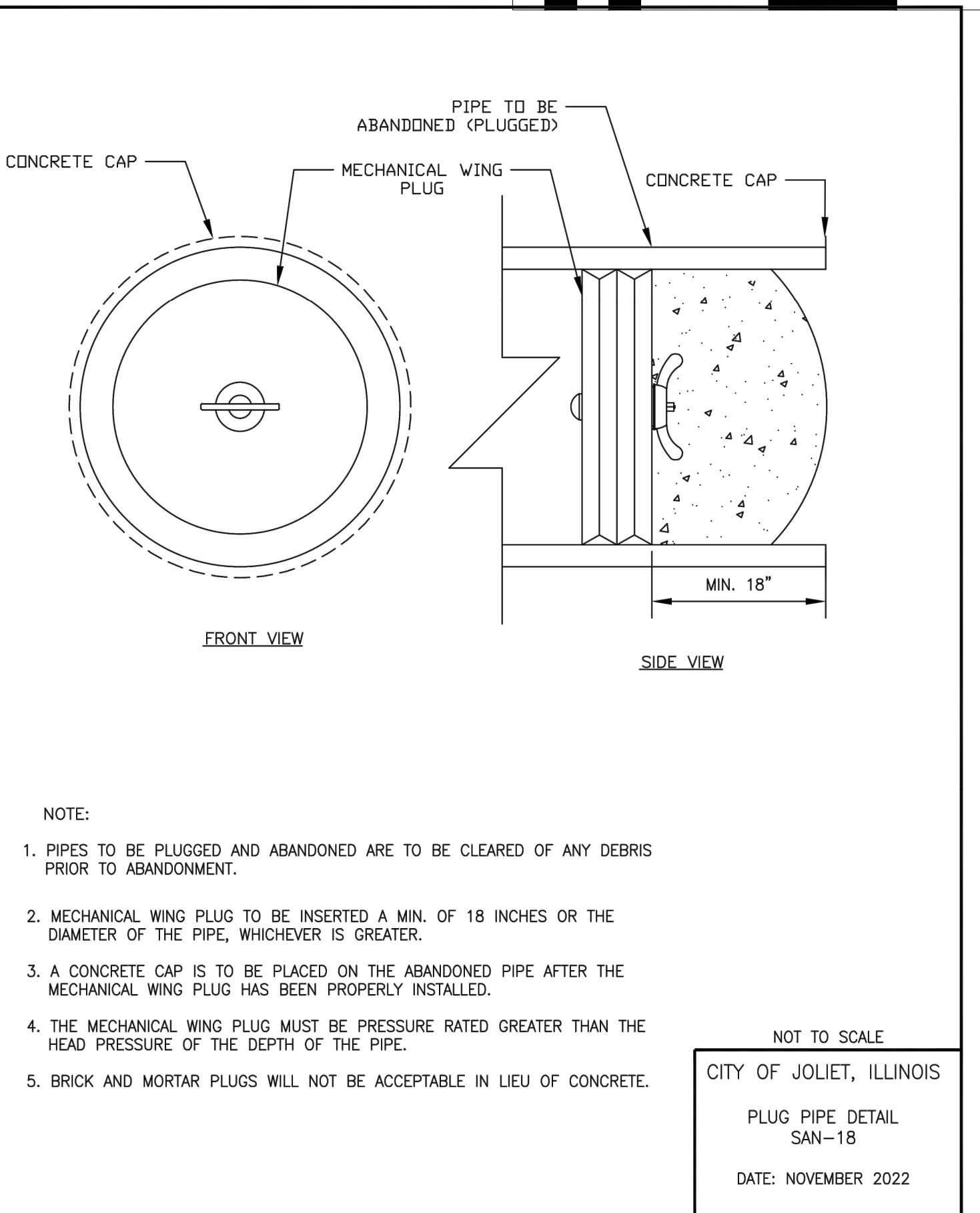
NOT TO SCALE
CITY OF JOLIET, ILLINOIS
SANITARY POLYMER MANHOLE DETAIL SAN-12
DATE: MARCH 2019



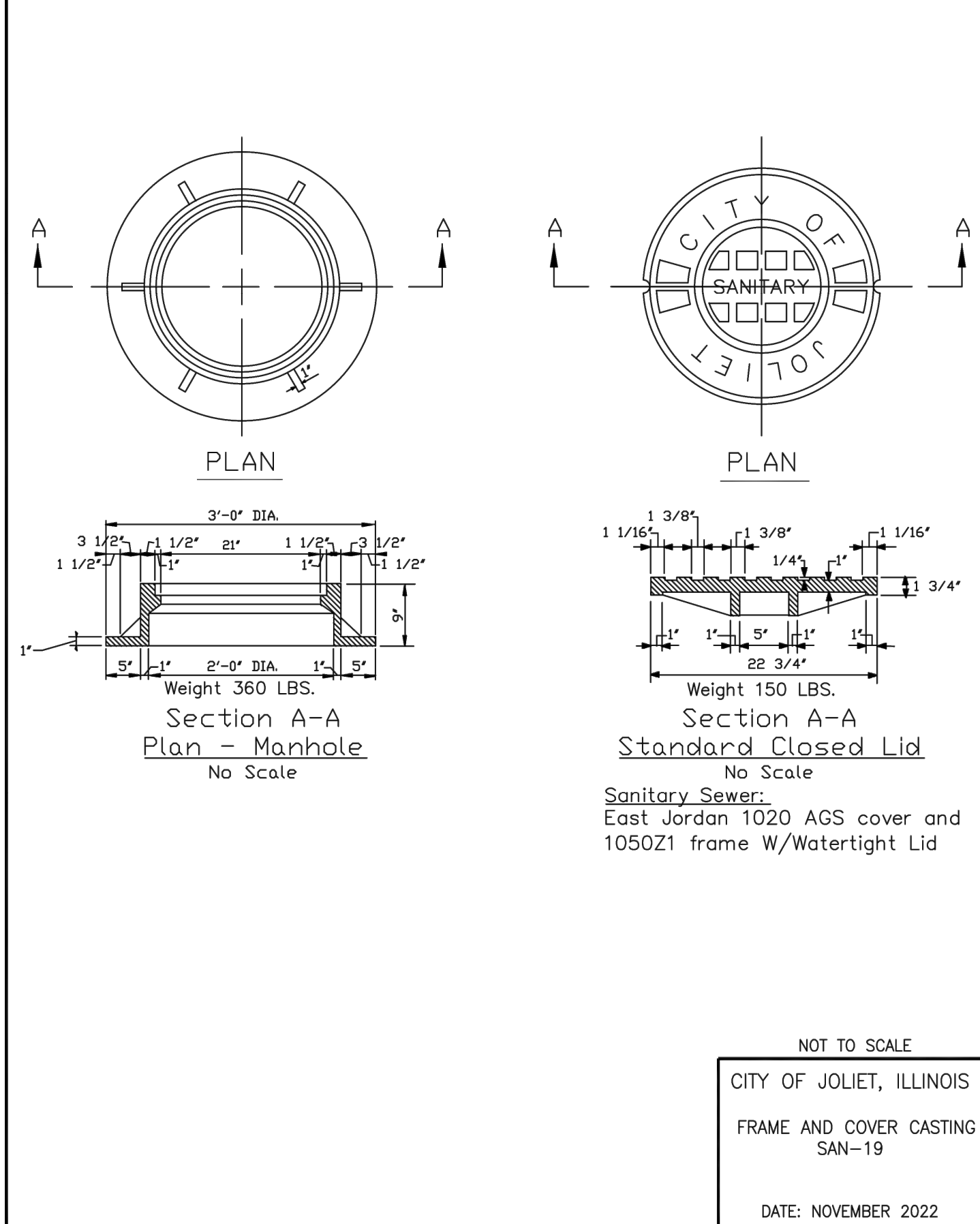
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CITY OF JOLIET, ILLINOIS
SANITARY SERVICE CLEANOUT DETAIL SAN-13
DATE: NOVEMBER 2022



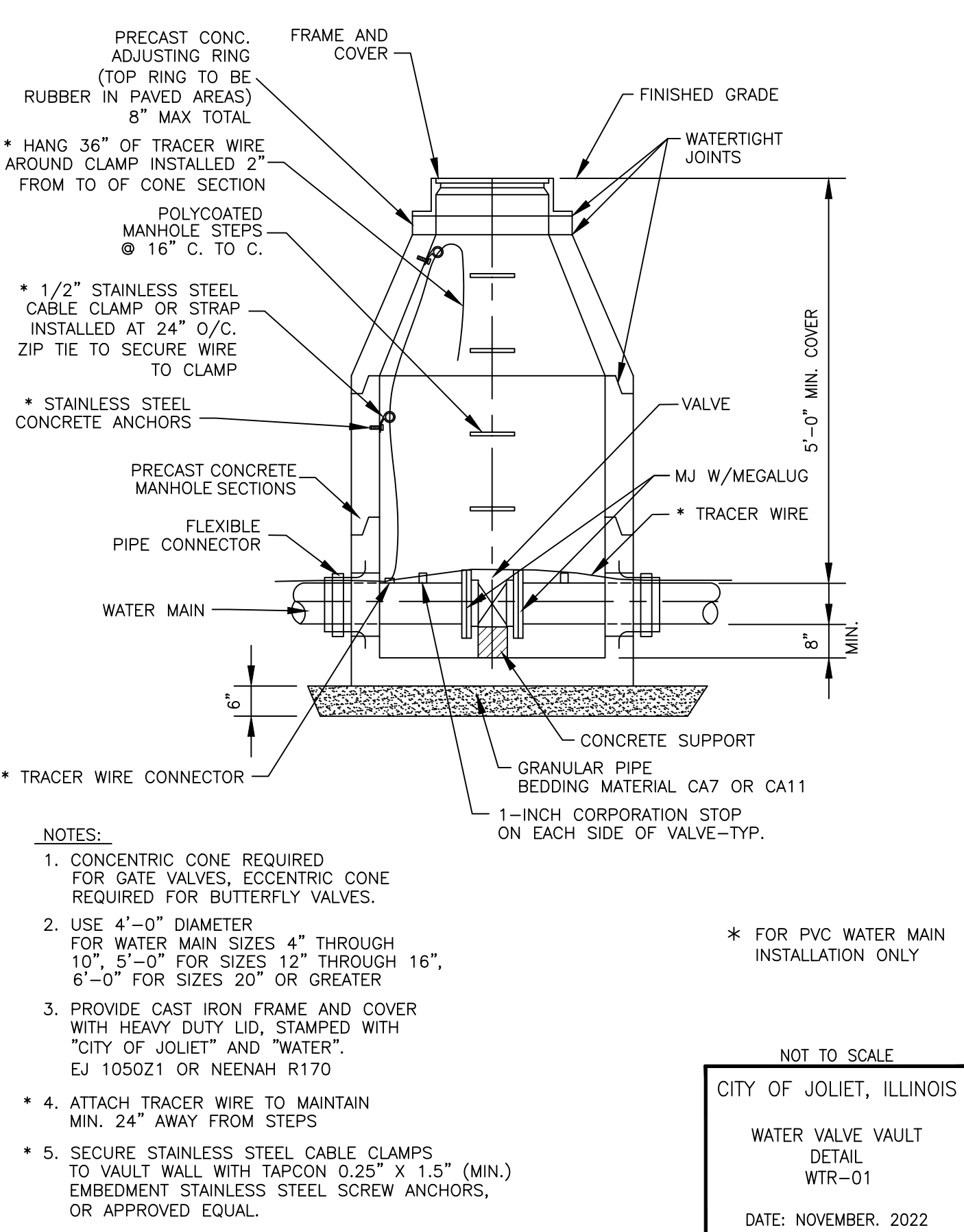
NOT TO SCALE
CITY OF JOLIET, ILLINOIS
CONNECTING SEWER PIPES OF DISSIMILAR MATERIAL SAN-14
DATE: NOVEMBER 2022



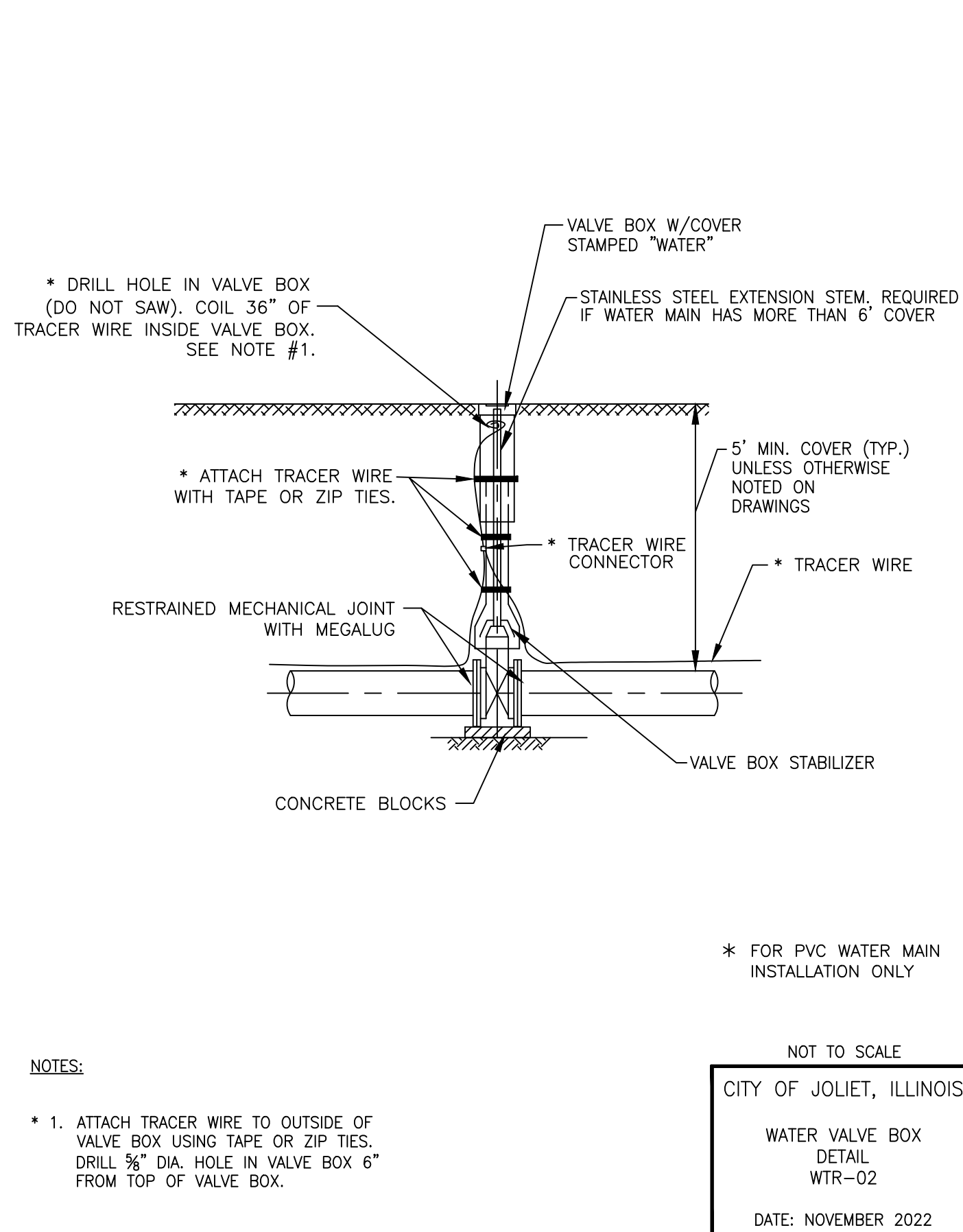
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CITY OF JOLIET, ILLINOIS
PLUG PIPE DETAIL SAN-18
DATE: NOVEMBER 2022



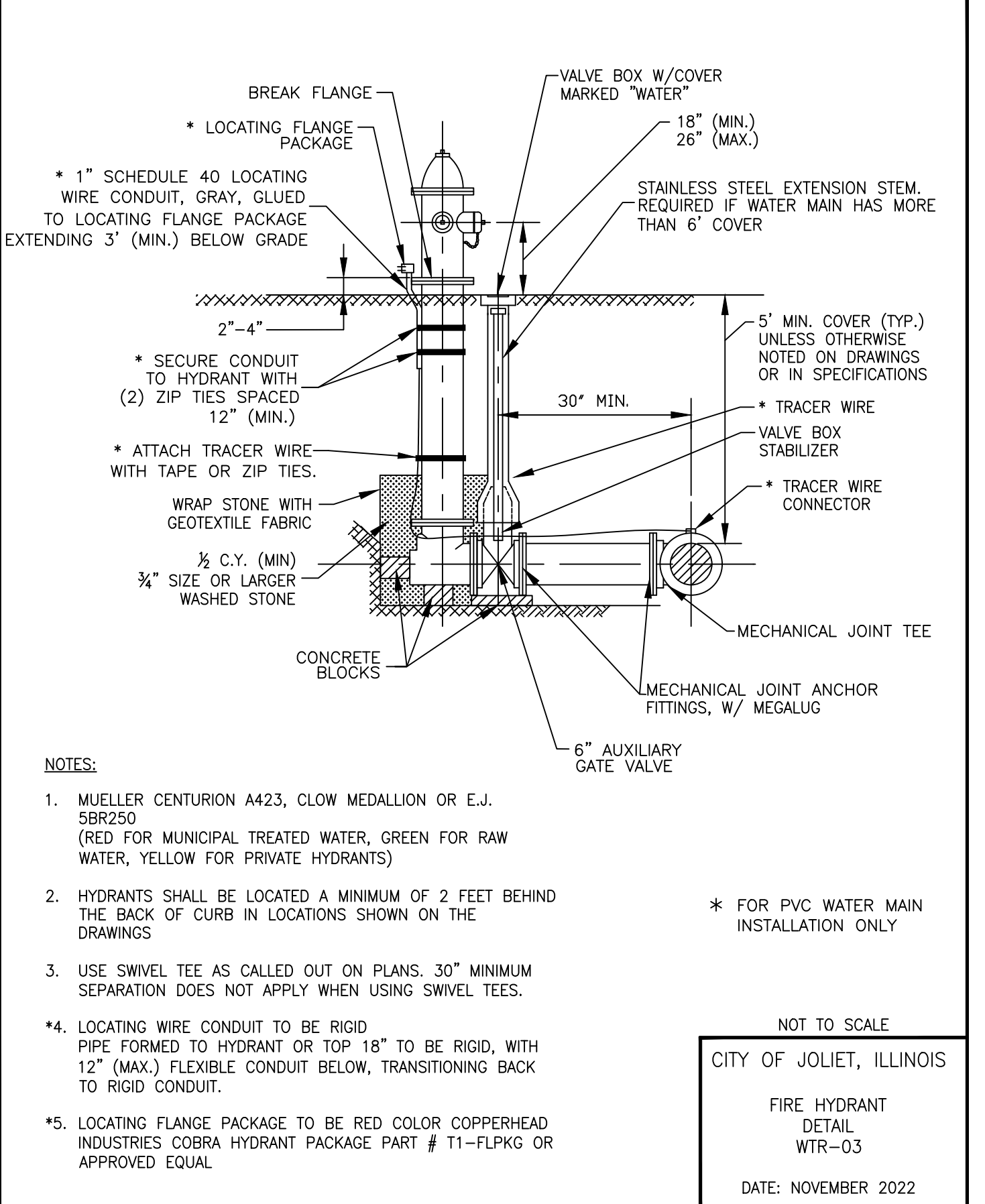
NOT TO SCALE
CITY OF JOLIET, ILLINOIS
FRAME AND COVER CASTING SAN-19
DATE: NOVEMBER 2022



NOT TO SCALE
CITY OF JOLIET, ILLINOIS
WATER VALVE VAULT DETAIL WTR-01
DATE: NOVEMBER 2022



NOT TO SCALE
CITY OF JOLIET, ILLINOIS
WATER VALVE BOX DETAIL WTR-02
DATE: NOVEMBER 2022



NOT TO SCALE
CITY OF JOLIET, ILLINOIS
FIRE HYDRANT DETAIL WTR-03
DATE: NOVEMBER 2022

P:\JOLIO\2325880-2025 WATER MAIN\CAD\UPPER BLUFF\01_CIVIL_3D\01_SHTS-PLANS\UPPER BLUFF-UPPER BLUFF-COVER_SHEETS.DWG Details (2)
Plotted: 10/11/2024 11:52 AM By: RWOELLER
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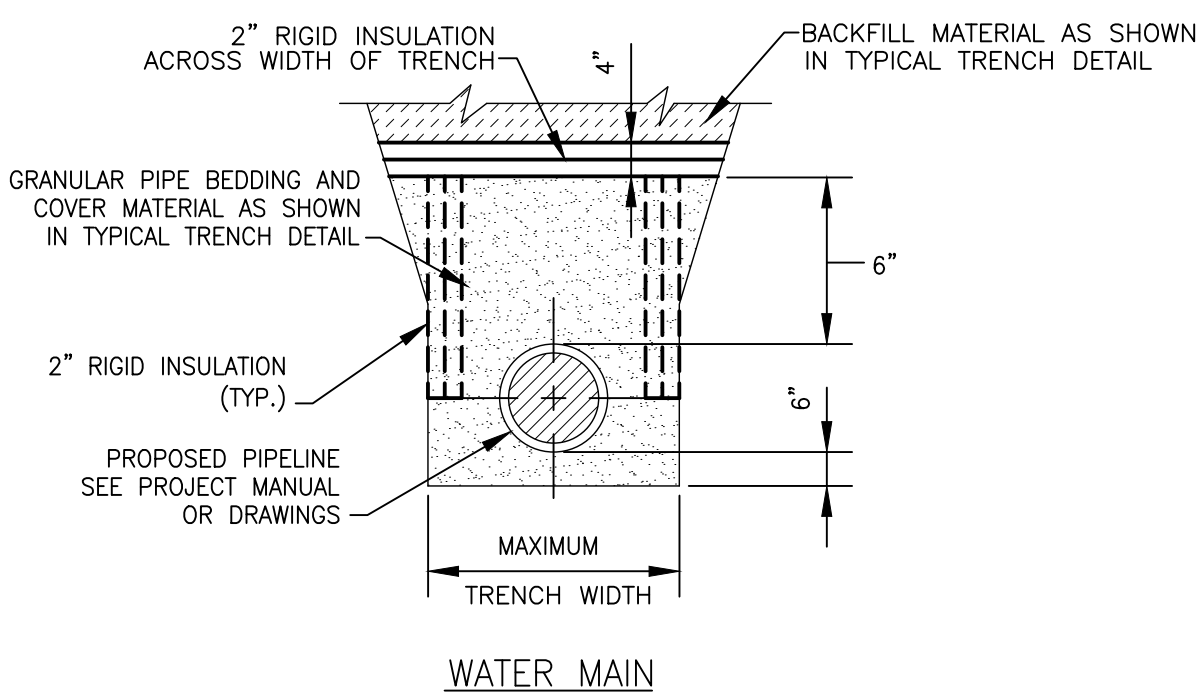
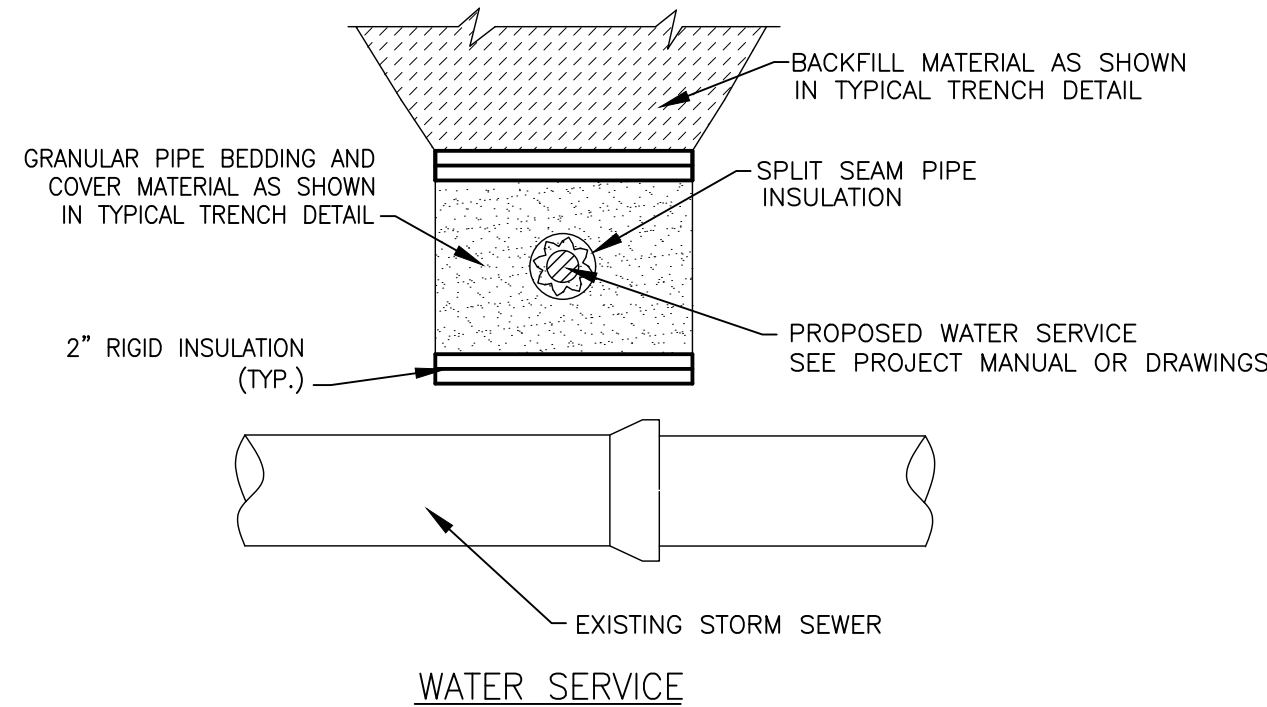


CONSULTANTS	REVISED -
	REVISED -
	REVISED -
	REVISED -

**CITY OF JOLIET, ILLINOIS
UPPER BLUFF 2025 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2852-0125**

SCALE: 1" = 20'	PROJECT NO: 2325880.00	TOTAL SHEETS: 39	SHEET NO.: C033

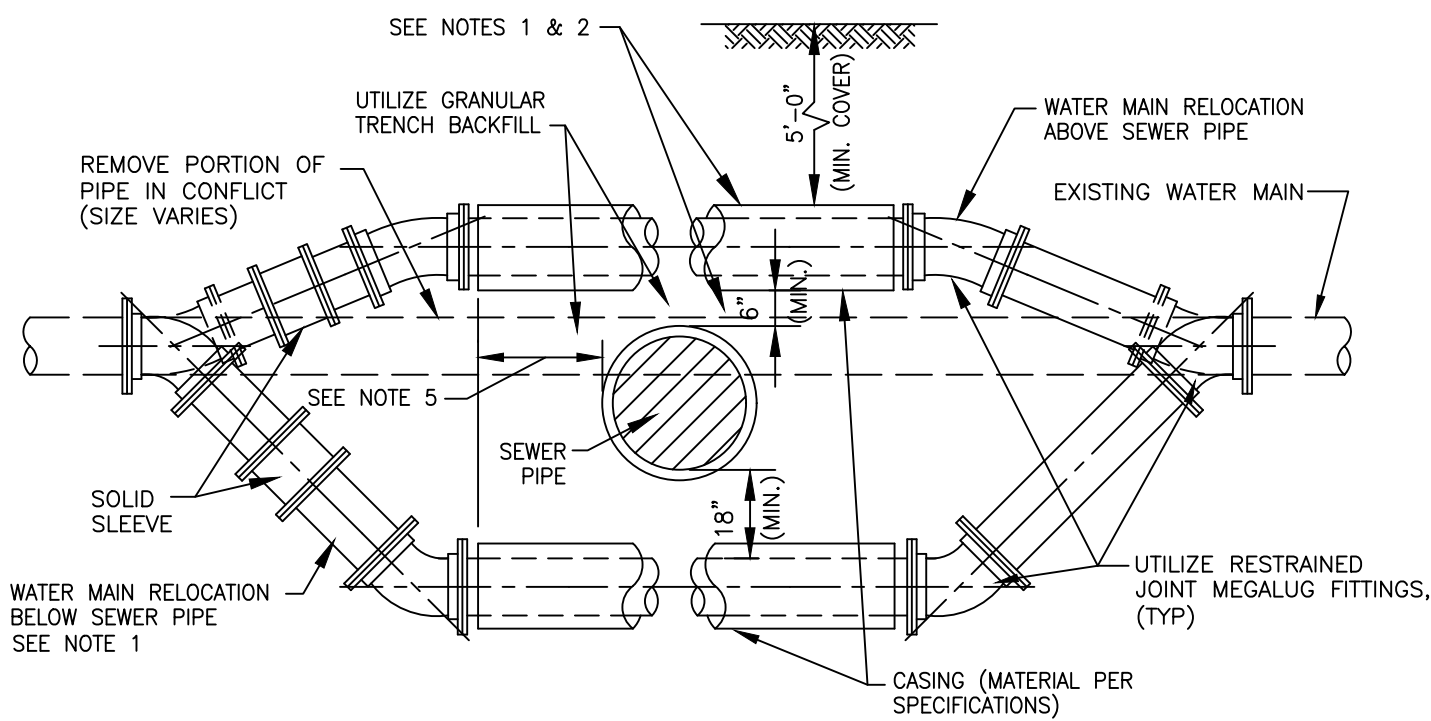
FINAL DESIGN FOR BIDDING



NOTES:

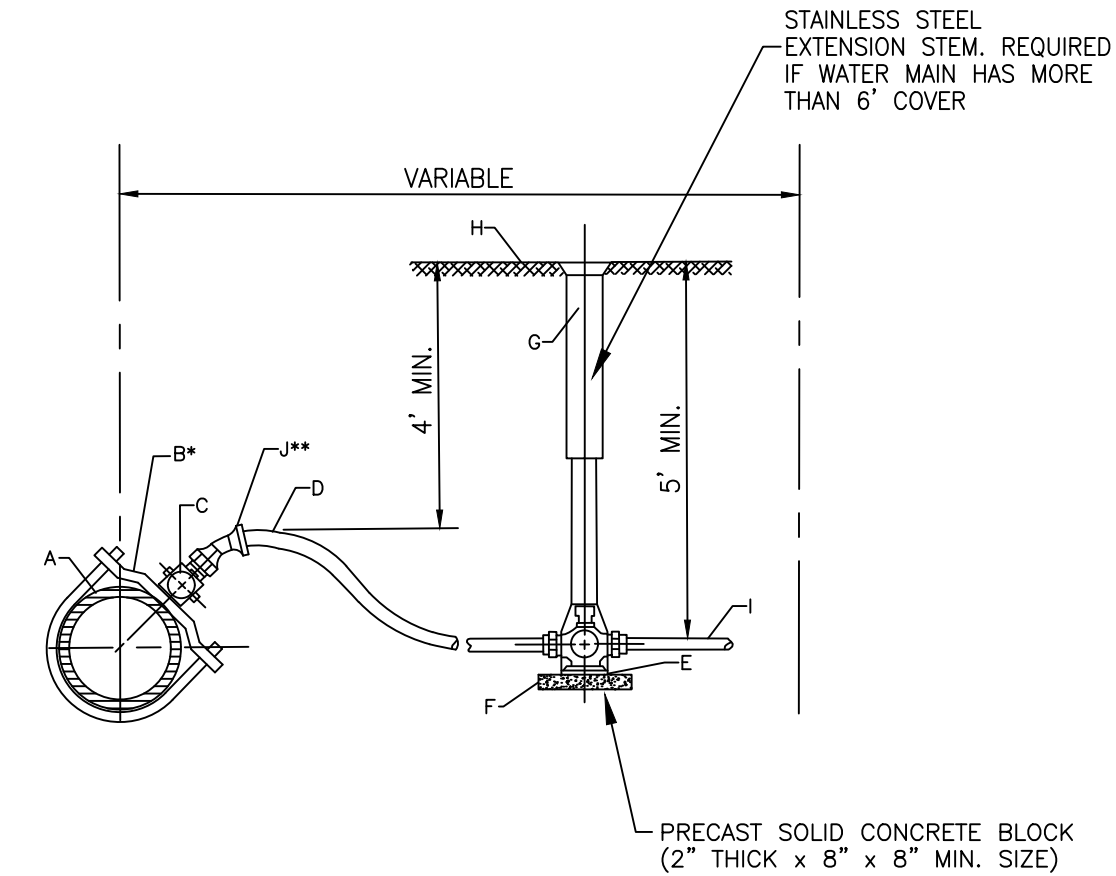
1. TO BE USED WHEN WATER MAIN AND / OR WATER SERVICE BURY DEPTH IS < 4' OR WHEN WATER SERVICE CROSSES ABOVE STORM SEWER.

NOT TO SCALE
CITY OF JOLIET, ILLINOIS
PIPE INSULATION
DETAIL
WTR-04
DATE: OCT. 2017



- NOTES:
1. ONLY TO BE USED IF WATER MAIN CANNOT CROSS ABOVE PROPOSED SEWER AND MAINTAIN THE REQUIRED 18" OF SEPARATION AS SHOWN ON DRAWING, OR APPROVED BY ENGINEER IN FIELD.
 2. WHEN WATER MAIN CROSSES ABOVE SEWER AND MAINTAINS THE REQUIRED 18" OF SEPARATION, THE CASING PIPE IS NOT REQUIRED.
 3. WATER MAIN RELOCATIONS ARE SUBJECT TO INSPECTION AT NORMAL SYSTEM PRESSURE BEFORE BURIAL.
 4. USE ONLY 45 DEGREE BENDS UNLESS OTHERWISE PERMITTED BY THE ENGINEER.
 5. CASING MUST EXTEND A MINIMUM OF 10 FEET BEYOND OUTSIDE EDGE OF SEWER PIPE - ON BOTH SIDES OF SEWER.

NOT TO SCALE
CITY OF JOLIET, ILLINOIS
WATER MAIN RELOCATION
DETAIL
WTR-05
DATE: OCT. 2017



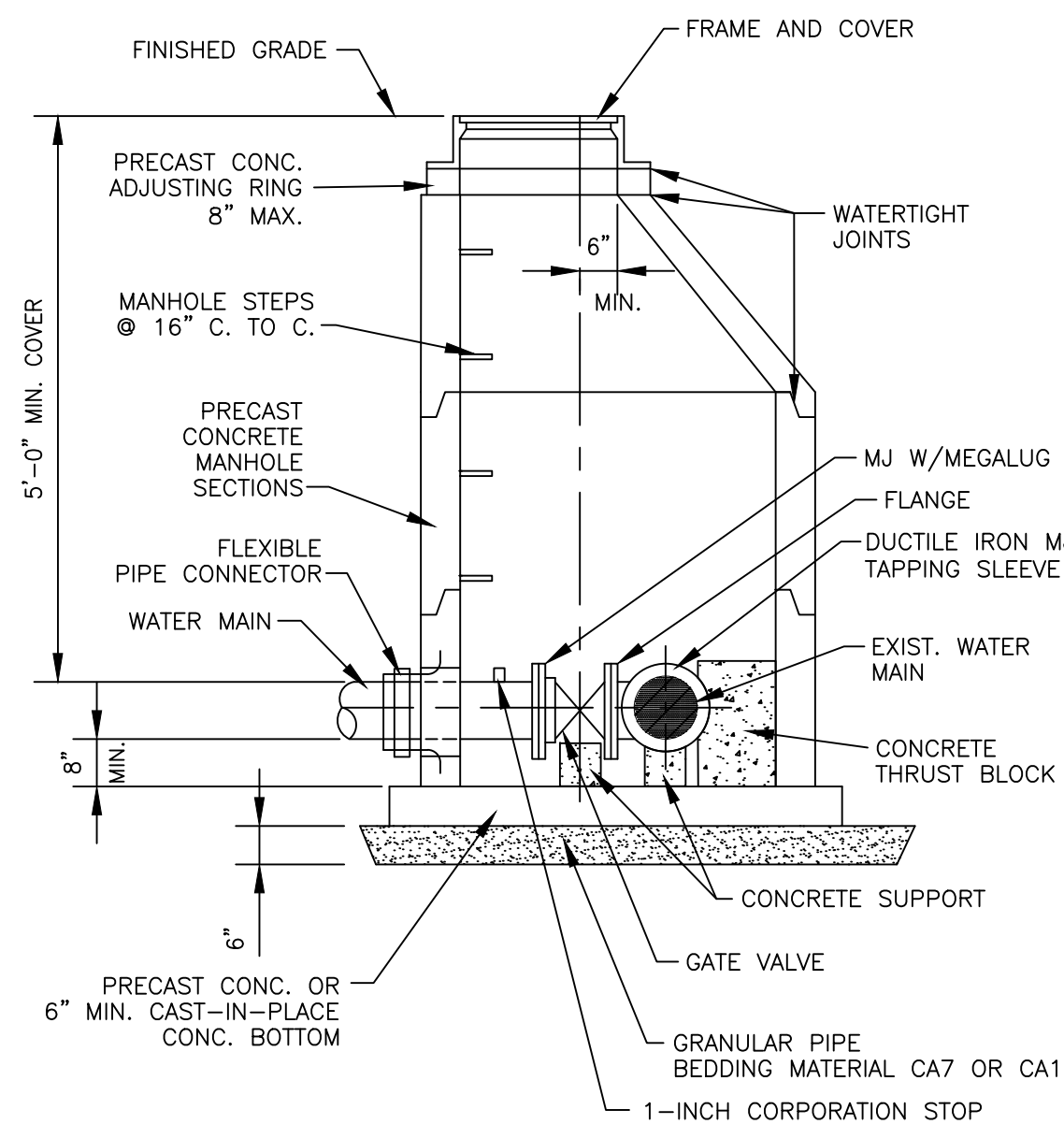
- *REQUIRED FOR SERVICES LARGER THAN 1"
- **REQUIRED FOR SERVICES WITH LESS THAN 4' COVER

CONSTRUCTION NOTES

- A. WATER MAIN
- B. DUCTILE IRON, EPOXY COATED BODIES WITH DOUBLE ALLOY STEEL STRAPS AND DOUBLE BOLTS (FOUR BOLTS TOTAL). MUELLER DR2A SERIES OR EQUAL
- C. CORPORATION STOP, A.Y. MCDONALD 74701 BQ
- D. SERVICE PIPE, SEAMLESS SOFT TEMPERED COPPER TYPE - TYPE "K" 1" OR LARGER
- E. CURB STOP, A.Y. MCDONALD 76104Q
- F. CONCRETE BRICK SUPPORT
- G. TYLER 6500 WITH BBAF VALVE BOX STABILIZER OR APPROVED EQUAL
- H. FINISHED GRADE
- I. CONNECT TO EXISTING SERVICE, PROVIDE ADAPTERS AS REQUIRED
- J. EIGHTH BEND COMPRESSION COUPLING - UNION

NOTE: FOR 1 1/2" OR 2" SERVICE, ADD ENLARGED BASE FOR SERVICE BOX.

NOT TO SCALE
CITY OF JOLIET, ILLINOIS
WATER SERVICE
CONNECTION DETAIL
WTR-06
DATE: OCT. 2020



NOTES:

1. ECCENTRIC CONE REQUIRED
2. USE 4'-0" DIAMETER FOR WATER MAIN SIZES 4" THRU 8", USE 5'-0" DIAMETER FOR WATER MAIN SIZES 10" THRU 14", USE 6'-0" DIAMETER (OR LARGER PER DESIGNER) FOR WATER MAIN SIZES 16" OR GREATER.
3. PROVIDE CAST IRON FRAME AND COVER WITH HEAVY DUTY LID, STAMPED WITH "CITY OF JOLIET" AND "WATER". EJ 1050Z1

NOT TO SCALE
CITY OF JOLIET, ILLINOIS
PRESSURE CONNECTION
DETAIL
WTR-07
DATE: OCT. 2017

FITTING TYPE	DIAMETER (IN)						
	4"	6"	8"	10"	12"	16"	20"
HORIZONTAL BEND	11.25'	5	5	5	5	5	5
	22.5'	5	5	5	5	10	10
	45'	5	10	10	10	15	20
	90'	15	20	20	25	30	40
	45'	20	25	35	40	45	60
VALVE (OPERATING PRESSURE)	20	30	35	45	50	65	80
	40	60	75	90	105	135	165
REDUCER	6" NOMINAL PIPE	30	-	-	-	-	-
	8" NOMINAL PIPE	55	35	-	-	-	-
	10" NOMINAL PIPE	75	55	30	-	-	-
	12" NOMINAL PIPE	90	80	55	35	-	-
	16" NOMINAL PIPE	125	115	100	80	60	-
	20" NOMINAL PIPE	160	150	135	125	105	60

NOTE: RJT LENGTHS MAY VARY DEPENDING ON SITE CONDITIONS. LENGTHS SHOWN ARE MINIMUM PER 5' BURY DEPTH OF WATER MAIN AND, AGGREGATE PIPE BACKFILL.

NOT TO SCALE
CITY OF JOLIET, ILLINOIS
POLYWRAPPED DI RJT
DETAIL
WTR-08
DATE: NOVEMBER 2022

FITTING TYPE	DIAMETER (IN)						
	4"	6"	8"	10"	12"	16"	20"
HORIZONTAL BEND	11.25'	5	5	5	5	5	5
	22.5'	5	5	5	5	10	10
	45'	5	10	10	10	15	20
	90'	10	15	15	20	25	35
	45'	15	15	20	25	30	40
VALVE (OPERATING PRESSURE)	15	20	25	30	35	45	50
	30	40	50	60	70	90	110
REDUCER	6" NOMINAL PIPE	20	-	-	-	-	-
	8" NOMINAL PIPE	35	20	-	-	-	-
	10" NOMINAL PIPE	50	35	20	-	-	-
	12" NOMINAL PIPE	60	50	40	20	-	-
	16" NOMINAL PIPE	80	75	65	55	40	-
	20" NOMINAL PIPE	105	95	90	80	70	40

NOTE: RJT LENGTHS MAY VARY DEPENDING ON SITE CONDITIONS. LENGTHS SHOWN ARE MINIMUM PER 5' BURY DEPTH OF WATER MAIN AND, AGGREGATE PIPE BACKFILL.

NOT TO SCALE
CITY OF JOLIET, ILLINOIS
PVC RJT DETAIL
WTR-09
DATE: NOVEMBER 2022

CONSULTANTS	REVISED -
	REVISED -
	REVISED -
	REVISED -

DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - ABN/UKB	39	C034
CHECKED - MJF		
DATE - 10/17/2024		