

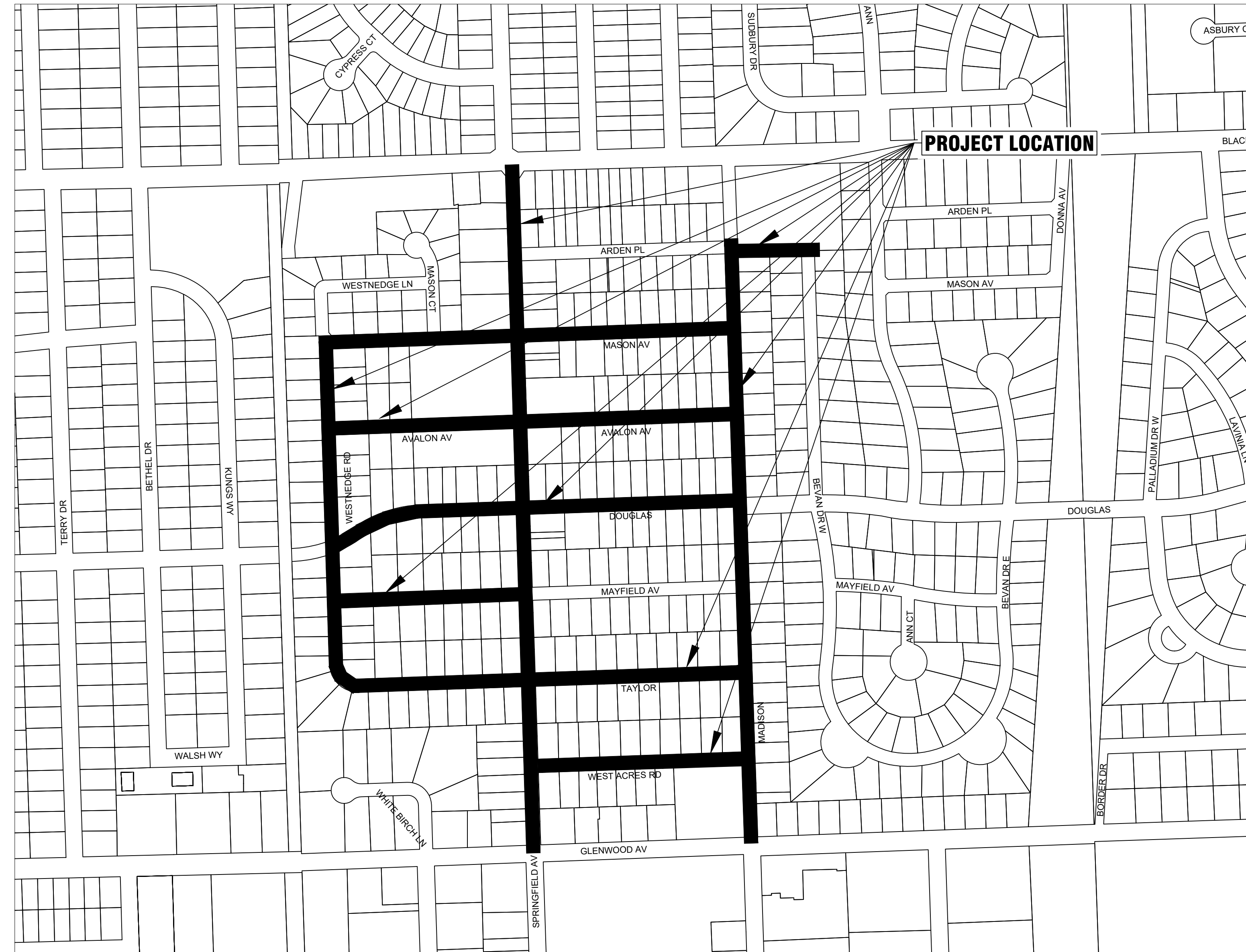
# CITY OF JOLIET, ILLINOIS

## BLACK ROAD ACRES PHASE 1 WATER MAIN IMPROVEMENTS

### CITY OF JOLIET CONTRACT NO. 2680-0123

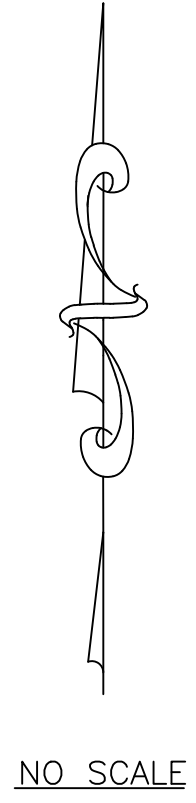
### WATER MAIN REPLACEMENT IEPA LOAN NO. L17-6074

### LEAD SERVICE REPLACEMENT IEPA LOAN NO. L17-5746



VICINITY MAP

Sheet List Table	
Sheet Number	Sheet Title
1	COVER
2	SHEET KEY
3	LEGENDS, BENCHMARKS, AND ABBREVIATIONS
4	GENERAL NOTES AND SUMMARY OF QUANTITIES
5	WESTNEDGE ROAD STA. 10+00 TO STA. 15+00 PLAN AND PROFILE
6	WESTNEDGE ROAD STA. 15+00 TO STA. 19+50 PLAN AND PROFILE
7	WESTNEDGE ROAD STA. 19+50 TO STA. 24+00 PLAN AND PROFILE
8	SPRINGFIELD STREET STA. 25+00 TO STA. 30+00 PLAN AND PROFILE
9	SPRINGFIELD STREET STA. 35+00 TO STA. 35+00 PLAN AND PROFILE
10	SPRINGFIELD STREET STA. 35+00 TO STA. 40+00 PLAN AND PROFILE
11	SPRINGFIELD STREET STA. 40+00 TO STA. 45+00 PLAN AND PROFILE
12	SPRINGFIELD STREET STA. 45+00 TO STA. 50+00 PLAN AND PROFILE
13	SPRINGFIELD STREET STA. 50+00 TO STA. 54+00 PLAN AND PROFILE
14	MADISON STREET STA. 55+00 TO STA. 60+50 PLAN AND PROFILE
15	MADISON STREET STA. 60+50 TO STA. 65+50 PLAN AND PROFILE
16	MADISON STREET STA. 65+50 TO STA. 71+00 PLAN AND PROFILE
17	MADISON STREET STA. 71+00 TO STA. 76+50 PLAN AND PROFILE
18	MADISON STREET STA. 76+50 TO STA. 80+00 PLAN AND PROFILE
19	WEST ACRES ROAD STA. 82+00 TO STA. 87+00 PLAN AND PROFILE
20	WEST ACRES ROAD STA. 87+00 TO STA. 91+00 PLAN AND PROFILE
21	TAYLOR STREET STA. 92+00 TO STA. 97+50 PLAN AND PROFILE
22	TAYLOR STREET STA. 97+50 TO STA. 103+00 PLAN AND PROFILE
23	TAYLOR STREET STA. 103+00 TO STA. 108+00 PLAN AND PROFILE
24	MAYFIELD AVENUE STA. 110+00 TO STA. 115+00 PLAN AND PROFILE
25	MAYFIELD AVENUE STA. 115+00 TO STA. 119+00 PLAN AND PROFILE
26	DOUGLAS STREET STA. 120+00 TO STA. 125+50 PLAN AND PROFILE
27	DOUGLAS STREET STA. 125+50 TO STA. 129+50 PLAN AND PROFILE
28	DOUGLAS STREET STA. 129+50 TO STA. 134+00 PLAN AND PROFILE
29	DOUGLAS STREET STA. 134+00 TO STA. 138+00 PLAN AND PROFILE
30	AVALON AVENUE STA. 140+00 TO STA. 145+50 PLAN AND PROFILE
31	AVALON AVENUE STA. 145+50 TO STA. 151+50 PLAN AND PROFILE
32	AVALON AVENUE STA. 151+50 TO STA. 157+00 PLAN AND PROFILE
33	MASON AVENUE STA. 158+00 TO STA. 163+50 PLAN AND PROFILE
34	MASON AVENUE STA. 163+50 TO STA. 169+00 PLAN AND PROFILE
35	MASON AVENUE STA. 169+00 TO STA. 175+00 PLAN AND PROFILE
36	ARDEN PLACE STA. 176+00 TO STA. 181+00 PLAN AND PROFILE
37	ARDEN PLACE STA. 181+00 TO STA. 186+00 PLAN AND PROFILE
38	ARDEN PLACE STA. 186+00 TO STA. 189+00 PLAN AND PROFILE
39	DETAILS
40	DETAILS
41	DETAILS



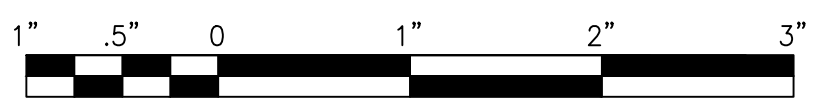
J.U.L.I.E. DESIGN STAGE REQUEST  
DIG NO. X220470142  
EXISTING UTILITIES:  
WHERE THE DRAWINGS INCLUDE INFORMATION PERTAINING TO THE LOCATION OF UNDERGROUND UTILITY FACILITIES, SUCH INFORMATION REPRESENTS ONLY THE OPINION OF THE ENGINEER AS TO THE LOCATION OF SUCH UTILITIES. THE INFORMATION IS INCLUDED 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.

**PETER M. KOZAK**  
 62-71499  
 LICENSED  
 PROFESSIONAL  
 ENGINEER  
 OF  
 THE STATE OF ILLINOIS  
 PROJECT MANAGER  
 \*LICENSE EXPIRES 11-30-2023\*

PROJECT ENGINEER



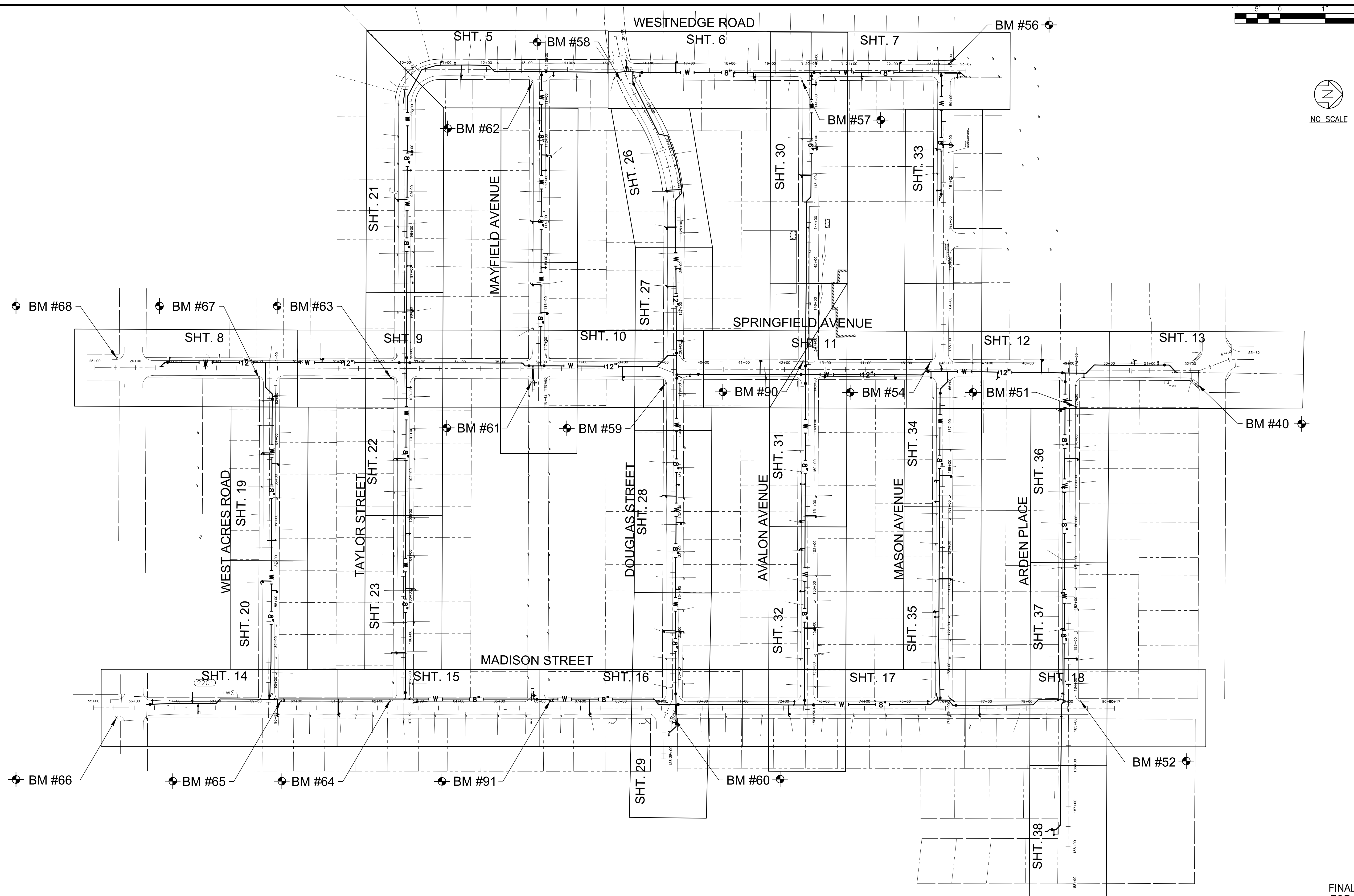
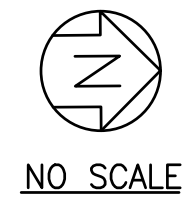
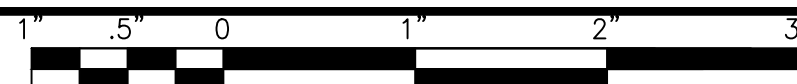
COPYRIGHT 2016, BY BAXTER & WOODMAN, INC. ALL RIGHTS RESERVED. NO PART OF THESE DRAWINGS MAY BE REPRODUCED, OR OTHERWISE REVISED WITHOUT WRITTEN PERMISSION OF BAXTER & WOODMAN, INC.



www.baxterwoodman.com

BAXTER & WOODMAN, INC.  
STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM  
LICENSE NO. - 184-001121 - EXPIRES 4/30/2023

P:\JOLIE\211917-2023 WATER MAIN PROGRAM\CAD\BLACK ROAD ACRES PH 1\01\_CIVIL\_3D\01\_SHTS-PLANS\211917-COVER\_GEN\_DETS-BLACK ROAD ACRES PH 1.DWG COVER  
Plotted: 10/25/2022 1:14 PM By: JSJLGER



P:\JOLIET\211917-2023 WATER MAIN PROGRAM\CAD\BLACK ROAD ACRES PH 1\01\_CIVIL\_3D\01\_SHTS-PLANS\211917-BLACK ROAD ACRES PH1-SHEET KEY.DWG SHEET KEY  
 Plotted: 10/25/2022 1:14 PM By: JSLAGER  
 Copyright © 2022, By: Baxter & Woodman, Inc.  
 State of Illinois - Professional Design Firm  
 License No. - 184-001121 - Expires 4-30-23



CONSULTANTS	REVISED -
	REVISED -
	REVISED -
	REVISED -

**CITY OF JOLIET, ILLINOIS**  
**BLACK ROAD ACRES PHASE 1 WATER MAIN IMPROVEMENTS**  
**CITY OF JOLIET CONTRACT NO. 2680-0123**

SCALE: AS NOTED	PROJECT NO: 211917	DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
		DRAWN - JJS	41	2
		CHECKED - LMS		
		DATE - 10/27/2022		

FINAL DESIGN FOR BIDDING

**LEGEND**

EXISTING		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 RISER	
	CABLE TELEVISION (BURIED)	
	CABLE T.V. RISER	
	CABLE T.V. VAULT	
	UNDERGROUND ELECTRICAL	

**LEGEND**

EXISTING		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		RAILROAD SPIKE SET IN SOUTH FACE POWER POLE AT THE ADDRESS 2231 ARDEN PLACE ELEV. = 643.98
B.M. # 52		RAILROAD SPIKE SET IN EAST FACE POWER POLE AT THE ADDRESS 751 MADISON STREET ELEV. = 638.53
B.M. # 53		RAILROAD SPIKE SET IN EAST FACE POWER POLE MAN ARM AT THE ADDRESS 653 MADISON STREET ELEV. = 637.21
B.M. # 54		RAILROAD SPIKE SET IN EAST FACE POWER POLE AT THE SOUTHWEST CORNER OF MASON AVENUE AND SPRINGFIELD AVENUE ELEV. = 642.53
B.M. # 56		RAILROAD SPIKE SET IN EAST FACE POWER POLE WITH LIGHT AT THE ADDRESS OF 619 WESTNEDGE ROAD ELEV. = 640.64
B.M. # 57		RAILROAD SPIKE SET IN NORTHWEST FACE POWER POLE WITH LIGHT AT THE ADDRESS OF 6606 WESTNEDGE ROAD ELEV. = 643.32
B.M. # 58		RAILROAD SPIKE SET IN NORTHWEST FACE POWER POLE WITH LIGHT AT THE ADDRESS 2320 DOUGLAS STREET ELEV. = 642.96
B.M. # 59		RAILROAD SPIKE SET IN NORTH FACE POWER POLE WITH LIGHT AT THE ADDRESS 2228 DOUGLAS STREET ELEV. = 637.63
B.M. # 60		NORTHWEST ARROW BOLT ON FIRE HYDRANT LOCATED AT THE NORTHEAST CORNER OF DOUGLAS STREET AND MADISON STREET ELEV. = 638.04
B.M. # 61		RAILROAD SPIKE SET IN SOUTHWEST FACE POWER POLE AT THE SOUTHEAST CORNER OF MAYFIELD AVENUE AND SPRINGFIELD AVENUE ELEV. = 636.01
B.M. # 62		RAILROAD SPIKE SET IN NORTHWEST FACE POWER POLE WITH LIGHT AT THE ADDRESS 2320 MAYFIELD AVENUE ELEV. = 644.72
B.M. # 63		RAILROAD SPIKE SET IN WEST SIDE POWER POLE AT THE ADDRESS 460 TAYLOR STREET ELEV. = 635.11
B.M. # 64		RAILROAD SPIKE SET IN EAST FACE POWER POLE WITH LIGHT AT THE ADDRESS 2200 TAYLOR STREET ELEV. = 638.15
B.M. # 65		RAILROAD SPIKE SET IN SOUTHEAST FACE POWER POLE WITH LIGHT AT THE ADDRESS 2201 WEST ACRES ROAD ELEV. = 632.55
B.M. # 66		CHISELED SQUARE AT NORTHWEST CORNER SIGNAL CONTROLLER FOUNDATION AT THE CORNER OF GLENWOOD AVENUE AND MADISON STREET ELEV. = 640.84
B.M. # 67		RAILROAD SPIKE SET IN WEST FACE POWER POLE AT THE ADDRESS 2234 WEST ACRES ROAD ELEV. = 634.98
B.M. # 68		CHISELED SQUARE AT NORTHEAST CORNER SIGNAL CONTROLLER FOUNDATION AT THE CORNER OF GLENWOOD AVENUE AND SPRINGFIELD AVENUE ELEV. = 635.31
B.M. # 69		RAILROAD SPIKE SET IN EAST FACE POWER POLE WITH LIGHT AT THE ADDRESS 501 WESTNEDGE ROAD ELEV. = 640.33
B.M. # 90		RAILROAD SPIKE SET IN EAST FACE POWER POLE AT THE CORNER OF AVALON AVENUE AND SPRINGFIELD AVENUE ELEV. = 640.56
B.M. # 91		RAILROAD SPIKE SET IN SOUTHEAST FACE POWER POLE WITH LIGHT AT THE ADDRESS 2201 MAYFIELD AVENUE ELEV. = 638.20

**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 WAY	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

P:\JOL\211917-2023 WATER MAIN PROGRAM\CAD\BLACK ROAD ACRES PH 1\01\_CIVIL\_3D\01\_SHTS-PLANS\211917-COVER\_GEN\_DET-S-BLACK ROAD ACRES PH 1.DWG LEGENDS BENCHMARKS AND ABBREVIATIONS  
 Plotted: 10/25/2022 1:14 PM By: JSLAGER  
 Copyright © 2022, By: Baxter & Woodman, Inc.  
 State of Illinois - Professional Design Firm  
 License No. - 184-001121 - Expires 4-30-23



CONSULTANTS	REVISED -

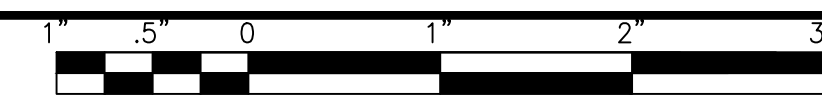
**CITY OF JOLIET, ILLINOIS**  
**BLACK ROAD ACRES PHASE 1 WATER MAIN IMPROVEMENTS**  
**CITY OF JOLIET CONTRACT NO. 2680-0123**

LEGENDS, BENCHMARKS, AND ABBREVIATIONS		TOTAL SHEETS	SHEET NO.
DESIGNED - RMM		41	3
DRAWN - JJS			
CHECKED - LMS			
DATE - 10/27/2022			

**FINAL DESIGN FOR BIDDING**

SCALE: AS NOTED      PROJECT NO: 211917

CITY OF JOLIET WATER SYSTEM GENERAL NOTES



- VERIFY LOCATION, SIZE, AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION OF THE WATER MAIN. THE LOCATIONS OF EXISTING UTILITIES AS SHOWN ON THE DRAWINGS HAVE BEEN DETERMINED FROM THE BEST AVAILABLE INFORMATION AND IS GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER AND OWNER DO NOT ASSUME RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION SHOWN. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ALL UTILITY COMPANIES AND LOCATE UTILITIES PRIOR TO ANY WORK.
- WHENEVER IT BECOMES NECESSARY TO RELOCATE UNDERGROUND GAS MAINS, TELEPHONE CONDUIT, OR ELECTRICAL LINES OR SUPPORT OR RELOCATE UTILITY POLES, THE UTILITY COMPANY INVOLVED WILL MAKE SUCH RELOCATION OR PROVIDE POLE SUPPORT. NOTIFY THE UTILITY COMPANY PROMPTLY. THIS WORK WILL BE INCIDENTAL TO THE CONTRACT
- WHEREVER OBSTRUCTIONS NOT SHOWN ON THE DRAWINGS ARE ENCOUNTERED DURING THE PROGRESS OF THE WORK AND INTERFERE TO SUCH AN EXTENT THAT ALTERATIONS TO THE DRAWINGS ARE REQUIRED, THE ENGINEER SHALL BE NOTIFIED PRIOR TO ANY CHANGES.
- HORIZONTAL AND VERTICAL SEPARATION OF WATER MAINS AND SEWER LINES SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE "STANDARD SPECIFICATION FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS".
- PROVIDE 48 HOURS ADVANCE NOTICE TO THE CITY WHEN CONNECTION TO AN EXISTING WATER MAIN WILL BE MADE. COORDINATE SHUTDOWN OF EXISTING WATER MAINS WHEN REQUIRED WITH THE CITY. SCHEDULE THE WORK TO MINIMIZE THE NUMBER AND LENGTH OF SHUTDOWNS. PROVIDE WRITTEN NOTIFICATION OF SHUTDOWNS TO WATER USERS AFFECTED 24 HOURS IN ADVANCE.
- NOTIFY THE CITY'S PUBLIC UTILITIES DEPARTMENT IMMEDIATELY IF EXISTING LEAD WATER SERVICES ARE DISCOVERED.
- PROVIDE PROPERTY OWNERS ADVANCE NOTICE OF CONSTRUCTION ACTIVITIES THAT WILL RESTRICT THE USE OF THEIR DRIVEWAYS.
- DO NOT STORE BEDDING AND BACKFILL MATERIALS, PIPES, FITTINGS, VAULTS, OR OTHER MATERIALS IN AREAS THAT WILL OBSTRUCT SIGHT LINES FOR STREETS AND DRIVEWAYS.
- ALL PROPOSED WATER MAIN AND SERVICES UNDER AND WITHIN 2' OF PAVEMENT OR SIDEWALK SHALL BE BACKFILLED WITH TRENCH BACKFILL WHICH SHALL BE CRUSHED STONE, GRADATION CA 6 OR CA 7.
- INSTALL NEW WATER MAIN WITH A MINIMUM OF 5' COVER BELOW EXISTING OR PROPOSED GROUND SURFACE UNLESS GREATER DEPTH IS REQUIRED TO AVOID EXISTING UTILITIES OR WHERE INDICATED ON THE DRAWINGS.
- PROVIDE COMPRESSION TYPE FIRE HYDRANTS WITH A 5/4-INCH MINIMUM SIZE MAIN VALVE ASSEMBLY, O-RING SEALS, TWO 2 1/2-INCH HOSE NOZZLES, AND A 4 1/2-INCH PUMPER NOZZLE WITH NATIONAL STANDARD THREADS, A NATIONAL STANDARD OPERATING NUT, AND AN ABOVE GROUND BREAK FLANGE. COLOR FOR HYDRANTS ON POTABLE DISTRIBUTION MAINS SHALL BE RED, HYDRANTS ON RAW WATER MAINS SHALL BE GREEN. COLOR FOR PRIVATE SYSTEM HYDRANTS SHALL BE YELLOW. ACCEPTABLE MANUFACTURERS ARE CLOW MEDALLION, EJ 5BR250, OR MUELLER CENTURION A423.
- PROVIDE A TEMPORARY COVERING OVER ALL NEW FIRE HYDRANTS UNTIL ALL NEW WATER MAINS ARE PUT INTO SERVICE AND NEW FIRE HYDRANTS ARE OPERABLE.
- GATE VALVES SHALL BE IN ACCORDANCE WITH AWWA C515 (DUCTILE IRON BODY), BRONZE FITTED, RESILIENT WEDGE AND SEAT TYPE WITH NON-RISING STEM AND O-RING PACKING. ALL INTERNAL AND EXTERNAL SURFACES SHALL HAVE A FUSION BONDED EPOXY COATING. ACCEPTABLE VALVE MANUFACTURERS ARE AMERICAN FLOW CONTROL, CLOW, AND EJ.
- BUTTERFLY VALVES SHALL BE IN ACCORDANCE WITH AWWA C504 FOR PRESSURE CLASS 150B, CAST IRON BODY, RUBBER-SEATED, TIGHT CLOSING TYPE SUITABLE FOR BURIED SERVICE. ACCEPTABLE VALVE MANUFACTURERS ARE AMERICAN FLOW CONTROL, CLOW, AND EJ.
- LOCATE PRESSURE CONNECTIONS, IF INDICATED ON THE DRAWINGS OR WHEN DIRECTED BY THE ENGINEER, A MINIMUM OF 2' FROM ANY EXISTING REPAIR SLEEVES OR PIPE JOINTS.
- THE CITY OF JOLIET WATER DEPARTMENT SHALL BE RESPONSIBLE FOR COMPLETING ALL TAPS TO EXISTING WATER MAINS. CONTRACTOR WILL BE RESPONSIBLE FOR CALLING 815-724-4230 TO SCHEDULE AN APPOINTMENT WITH THE CITY WATER DEPARTMENT. APPOINTMENTS ARE AVAILABLE ON TUESDAYS AND THURSDAYS.
- SUCCESSFULLY TEST, DISINFECT, AND FLUSH WATER MAIN, AND OBTAIN ACCEPTANCE OF THE WATER MAIN BY THE CITY OF JOLIET, PRIOR TO MAKING WATER SERVICE CONNECTIONS. FLUSH PIPELINES TO OBTAIN A VELOCITY OF 2.5 FT/S PER AWWA STANDARD C651.
- USE MECHANICAL JOINT FITTINGS TO PLUG/CAP EXISTING WATER MAINS TO REMAIN IN SERVICE AND FOR EXISTING WATER MAINS TO BE ABANDONED. PLUGS/CAPS ON WATER MAIN TO REMAIN IN SERVICE SHALL INCLUDE AN ADEQUATELY SIZED CAST-IN-PLACE CONCRETE THRUST BLOCK.
- AS-BUILT DRAWINGS SHALL BE PREPARED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER AS SOON AS THE PROJECT IS COMPLETED. ANY CHANGE IN THE LENGTH, LOCATION, OR ALIGNMENT SHALL BE SHOWN IN RED.
- EROSION CONTROL WILL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL AS CONTAINED IN IEPA/WPC/87-012 OR CURRENT EDITION.
- REPLACE ALL CONCRETE SIDEWALKS DISTURBED BY CONSTRUCTION TO THE NEAREST CONSTRUCTION JOINT. A MAXIMUM LENGTH OF TEN LINEAL FEET PER CROSSING WILL BE UTILIZED FOR PAY QUANTITY CALCULATIONS.
- PAVEMENT RESTORATION WILL BE MEASURED IN PLACE AND THE AREA COMPUTED IN SQUARE YARDS. ALL AREAS DISTURBED WILL BE REPLACED, BUT THE MAXIMUM ALLOWABLE WIDTHS USED FOR PAY QUANTITY CALCULATIONS WILL BE 6 FEET CENTERED ON THE PIPE. IF THE CONTRACTOR RELOCATES THE TRENCH AWAY FROM THE CURB AND GUTTER, THE PAVEMENT PATCH WILL EXTEND FROM THE SAWCUT IN THE EXISTING PAVEMENT TO THE FACE OF THE GUTTER AND THE MAXIMUM ALLOWABLE WIDTH OF 6 FEET WILL BE USED FOR PAY QUANTITY CALCULATIONS.
  - WESTNEDGE ROAD, W BEVAN DRIVE, ARDEN PLACE, MASON AVENUE, AVALON AVENUE, DOUGLAS STREET, MAYFIELD AVENUE, TAYLOR STREET, AND WEST ACRES DRIVE SHALL HAVE 2.5 INCHES OF BINDER AND 1.5 INCHES OF SURFACE COURSE.
  - SPRINGFIELD AVENUE AND MADISON STREET SHALL HAVE 5 INCHES OF BINDER AND 2 INCHES OF SURFACE COURSE.
  - GLENWOOD AVENUE SHALL HAVE 10 INCHES OF BINDER AND 2 INCHES OF SURFACE COURSE.

- IT SHALL BE THE CONTRACTOR'S DUTY AND RESPONSIBILITY TO ASCERTAIN AND EXECUTE THE MEANS, METHODS, AND SEQUENCE OF CONSTRUCTION IN ACCORDANCE WITH THE DRAWINGS, SPECIFICATIONS, AND OTHER CONTRACT DOCUMENTS. THIS SHALL INCLUDE, BUT SHALL NOT BE LIMITED TO, THE EXCLUSIVE DUTY AND RESPONSIBILITY TO PROVIDE FOR WORKPLACE SAFETY AND WORKER SUPERVISION. IT SHALL EXCLUSIVELY BE THE CONTRACTOR'S DUTY AND RESPONSIBILITY TO INVESTIGATE AND ASCERTAIN THE CURRENT PHYSICAL STATE AND OPERATIONAL STATUS OF THE CITY'S WATER SUPPLY SYSTEM AND THE CITY'S SANITARY SEWER SYSTEM, INCLUDING WHETHER A WATER MAIN OR OTHER VESSEL IS OPERATIONAL, CONTAINS WATER, IS PRESSURIZED, OR IS OTHERWISE SAFE TO ALTER. ANY INFORMATION PROVIDED BY THE CITY, OR ITS EMPLOYEES AND CONSULTANTS, REGARDING THE STATE OF ITS WATER SUPPLY AND SANITARY SEWER SYSTEMS IS PROVIDED AS A COURTESY TO THE CONTRACTOR BUT IS NOT WARRANTED TO BE TRUE AND MAY NOT BE RELIED ON BY THE CONTRACTOR IN SATISFACTION OF, OR TO DIMINISH, ITS EXCLUSIVE DUTY TO ASCERTAIN AND EXECUTE THE MEANS, METHODS, AND SEQUENCES OF CONSTRUCTION IN ACCORDANCE WITH THE DRAWINGS, SPECIFICATIONS, AND OTHER CONTRACT DOCUMENTS AND ITS EXCLUSIVE RESPONSIBILITY TO PROVIDE FOR WORKPLACE SAFETY AND WORKER SUPERVISION.
- WATER SERVICE INSTALLATION WORK MUST BEGIN WITHIN 5 DAYS OF SATISFACTORY SAMPLE RESULTS AND IEPA APPROVAL. WATER SERVICE INSTALLATION WORK MUST BE COMPLETED WITHIN 15 WORKING DAYS AFTER RECEIVING THE OPERATING PERMIT APPROVAL FROM IEPA, INCLUDING PARTIAL APPROVALS. FINAL PAVEMENT RESTORATION MUST BE COMPLETED WITHIN 21 DAYS AFTER THE LAST COMPLETED WATER SERVICE CONNECTION ON ANY ONE STREET OR MOVING THE EXCAVATION CREW AND EQUIPMENT TO ANOTHER STREET. THE CONTRACTOR HAS THE OPTION TO INSTALL TEMPORARY PAVEMENT AT NO ADDITIONAL COST TO THE CITY WITHIN 7 CALENDAR DAYS. THE CITY CAN STOP OPERATIONS UNTIL TEMPORARY PAVEMENT IS PLACED OR PERMANENT PAVEMENT RESTORATION IS COMPLETE.
- CONTRACTOR TO DISTRIBUTE DOOR HANGERS AT VARIOUS MILESTONES DURING THE PROJECT. DOOR HANGERS WILL BE PROVIDED BY THE OWNER. DOOR HANGERS MUST BE DISTRIBUTED AT THE FOLLOWING MILESTONES:
  - ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
  - 48 HOURS IN ADVANCE OF WATER MAIN SHUTDOWNS TO ALL AFFECTED STRUCTURES (THE SAME STRUCTURE MAY RECEIVE MORE THAN ONE DOOR HANGER).
  - 48 HOURS IN ADVANCE OF WATER SERVICE LINE REPLACEMENTS.
  - ONE WEEK PRIOR TO RESTORATION ACTIVITIES ON ANY STREET.

SUMMARY OF QUANTITIES

City of Joliet			
Black Road Acres Phase 1			
No.	PAY ITEM	UNIT	QUANTITY
PART A - WATER MAIN IMPROVEMENTS			
1	PRECONSTRUCTION VIDEO RECORDING	LSUM	1
2	TRAFFIC CONTROL AND PROTECTION	LSUM	1
3	GRANULAR TRENCH BACKFILL	CUYD	10,000
4	DUCTILE IRON PIPE MOBILIZATION	FOOT	402
5	WATER MAIN (OPEN CUT), 4-INCH	FOOT	26
6	WATER MAIN (OPEN CUT), 6-INCH	FOOT	834
7	WATER MAIN (OPEN CUT), 8-INCH	FOOT	10,577
8	WATER MAIN (OPEN CUT), 12-INCH	FOOT	3,369
9	CURED-IN-PLACE-PIPE (WATER MAIN REHABILITATION), 6-INCH	FOOT	257
10	MISCELLANEOUS FITTINGS	POUND	17,000
11	WATER SERVICE CONNECTION TO WATER MAIN AND CURB STOP, 1-INCH	EACH	244
12	WATER SERVICE CONNECTION TO WATER MAIN AND CURB STOP, 1.5-INCH	EACH	2
13	WATER SERVICE CONNECTION TO WATER MAIN AND CURB STOP, 3-INCH	EACH	1
14	WATER SERVICE LINE TYPE K - OPEN CUT, 1-INCH	FOOT	2,105
15	WATER SERVICE LINE TYPE K - OPEN CUT, 1.5-INCH	FOOT	55
16	WATER SERVICE LINE TYPE K - OPEN CUT, 3-INCH	FOOT	25
17	WATER SERVICE LINE TYPE K - DIRECTIONAL DRILLING, 1-INCH	FOOT	4,645
18	WATER SERVICE LINE TYPE K - DIRECTIONAL DRILLING, 1.5-INCH	FOOT	35
19	WATER SERVICE CASING PIPE, 2-INCH	FOOT	340
20	CONNECT TO WATER MAIN (NON-PRESSURE), 6-INCH	EACH	4
21	CONNECT TO WATER MAIN (NON-PRESSURE), 8-INCH	EACH	6
22	CONNECT TO WATER MAIN (NON-PRESSURE), 10-INCH	EACH	1
23	GATE VALVE, 4-INCH	EACH	1
24	GATE VALVE, 6-INCH	EACH	5
25	GATE VALVE, 8-INCH	EACH	31
26	GATE VALVE, 12-INCH	EACH	13
27	VALVE BOX	EACH	8
28	VALVE VAULT, 4-FOOT DIAMETER	EACH	29
29	VALVE VAULT, 5-FOOT DIAMETER	EACH	13
30	VALVE VAULT (ADDITIONAL DEPTH), 4-FOOT DIAMETER	VFT	2
31	VALVE VAULT (ADDITIONAL DEPTH), 5-FOOT DIAMETER	VFT	2
32	FIRE HYDRANT	EACH	40
33	FIRE HYDRANT BARREL EXTENSION	VFT	3
34	LINE STOP, 8-INCH	EACH	1
35	LINE STOP, 10-INCH	EACH	1
36	RE-USE LINE STOP, 8-INCH	EACH	1
37	ABANDONMENT OF EXISTING WATER MAINS AND APPURTENANCES	LSUM	1
38	STORM SEWER REMOVAL AND REPLACEMENT, 10-INCH	FOOT	15
39	STORM SEWER REMOVAL AND REPLACEMENT, 12-INCH	FOOT	117
40	CASING PIPE (OPEN CUT), 16-INCH	FOOT	27
41	CASING PIPE (TUNNELING UNDER SEWER), 16-INCH	FOOT	138
42	INLET PROTECTION FILTER	EACH	143

43	TEMPORARY HOT-MIX ASPHALT PAVEMENT	SQYD	100
44	HOT-MIX ASPHALT REMOVAL AND REPLACEMENT, 2.5-INCH BINDER 1.5-INCH SURFACE	SQYD	7,000
45	HOT-MIX ASPHALT REMOVAL AND REPLACEMENT, 5-INCH BINDER 2-INCH SURFACE	SQYD	3,800
46	HOT-MIX ASPHALT DRIVEWAY REMOVAL AND REPLACEMENT, 3-INCH	SQYD	50
47	PCC DRIVEWAY REMOVAL AND REPLACEMENT, 6-INCH	SQYD	290
48	CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	2,180
49	PCC SIDEWALK REMOVAL AND REPLACEMENT	SQFT	22,300
50	DETECTABLE WARNINGS	SQFT	110
51	PAVEMENT MARKING - LINE, 4-INCH (THERMOPLASTIC)	FOOT	310
52	PAVEMENT MARKING - LINE, 6-INCH (THERMOPLASTIC)	FOOT	1,800
53	PAVEMENT MARKING - LINE, 24-INCH (THERMOPLASTIC)	FOOT	160
54	PAVEMENT MARKING - LETTERS AND SYMBOLS	SQFT	180
55	RESTORATION OF LAWNS AND PARKWAYS	SQYD	1,900
56	FENCE TO BE REMOVED AND RE-ERECTED	FOOT	20
57	REMOVE AND REPLACE DRAIN TILES, 6-INCH THROUGH 12-INCH	FOOT	340
58	ADJUSTING SANITARY SEWER SERVICE LINE	EACH	34
59	DUST CONTROL	DAY	30
60	REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL	CUYD	174
61	SOIL TESTS FOR CONTAMINANTS	EACH	10
62	CONTAMINATED WASTE DISPOSAL	CUYD	174
63	EXPLORATORY EXCAVATION	EACH	10
64	TREE ROOT PRUNING	EACH	39
65	TREE TRIMMING	LSUM	1
66	TREE REMOVAL AND REPLACEMENT, 6-INCH THROUGH 12-INCH	EACH	1
67	TREE REMOVAL AND REPLACEMENT, OVER 12 INCH	EACH	1
68	WATER SERVICE LOCATE	LSUM	1

PART B - LEAD SERVICE LINE IMPROVEMENTS

69	PROJECT MANAGEMENT (LEAD SERVICE REPLACEMENT)	hour	12
70	WATER SERVICE CONNECTION TO WATER MAIN AND CURB STOP (LEAD SERVICE REPLACEMENT), 1-INCH	EACH	3
71	WATER SERVICE CONNECTION TO WATER MAIN AND CURB STOP (LEAD SERVICE REPLACEMENT), 1.5-INCH	EACH	1
72	WATER SERVICE LINE TYPE K - OPEN CUT (LEAD SERVICE REPLACEMENT), 1-INCH	FOOT	30
73	WATER SERVICE LINE TYPE K - OPEN CUT (LEAD SERVICE REPLACEMENT), 1.5-INCH	FOOT	10
74	WATER SERVICE LINE TYPE K - DIRECTIONAL DRILLING (LEAD SERVICE REPLACEMENT), 1-INCH	FOOT	110
75	WATER SERVICE LINE TYPE K - DIRECTIONAL DRILLING (LEAD SERVICE REPLACEMENT), 1.5-INCH	FOOT	30
76	WATER SERVICE LINE TYPE L (LEAD SERVICE REPLACEMENT), 3/4-INCH	FOOT	25
77	WATER SERVICE LINE TYPE L (LEAD SERVICE REPLACEMENT), 1-INCH	FOOT	30
78	WATER SERVICE LINE TYPE L (LEAD SERVICE REPLACEMENT), 1.5-INCH	FOOT	10
79	WATER SERVICE CASING PIPE (LEAD SERVICE REPLACEMENT), 2-INCH	FOOT	40
80	WATER SERVICE CONNECTION ON PRIVATE PROPERTY - BASEMENT OR CRAWL SPACE (LEAD SERVICE REPLACEMENT)	EACH	2
81	WATER SERVICE CONNECTION ON PRIVATE PROPERTY - SLAB (LEAD SERVICE REPLACEMENT)	EACH	2
82	UTILITY LOCATION - PRIVATE PROPERTY (LEAD SERVICE REPLACEMENT)	EACH	4
83	WATER METER RELOCATION (LEAD SERVICE REPLACEMENT)	EACH	4
84	WATER METER REPLACEMENT (LEAD SERVICE REPLACEMENT)	EACH	4
85	LANDSCAPING PROJECT MANAGEMENT (LEAD SERVICE REPLACEMENT)	hour	8
86	LANDSCAPING RESTORATION ALLOWANCE (LEAD SERVICE REPLACEMENT)	EACH	4
87	SHRUB AND BRUSH DISPOSAL (LEAD SERVICE REPLACEMENT)	EACH	8
88	FENCE TO BE REMOVED AND RE-ERECTED (LEAD SERVICE REPLACEMENT)	FOOT	20
89	HOT-MIX ASPHALT REMOVAL AND REPLACEMENT, 2.5-INCH BINDER 1.5-INCH SURFACE (LEAD SERVICE REPLACEMENT)	SQYD	10
90	HOT-MIX ASPHALT REMOVAL AND REPLACEMENT, 5-INCH BINDER 2-INCH SURFACE (LEAD SERVICE REPLACEMENT)	SQYD	10
91	HOT-MIX ASPHALT DRIVEWAY REMOVAL AND REPLACEMENT (LEAD SERVICE REPLACEMENT), 3-INCH	SQYD	10
92	PCC DRIVEWAY REMOVAL AND REPLACEMENT (LEAD SERVICE REPLACEMENT), 6-INCH	SQYD	10
93	CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT (LEAD SERVICE REPLACEMENT)	FOOT	20
94	PCC SIDEWALK REMOVAL AND REPLACEMENT (LEAD SERVICE REPLACEMENT)	SQFT	100
95	RESTORATION OF LAWNS AND PARKWAYS (LEAD SERVICE REPLACEMENT)	SQYD	20

PART C - SANITARY SEWER IMPROVEMENTS

96	EXCAVATION AND REPLACEMENT POINT REPAIR - NO. 1	LSUM	1
97	EXCAVATION AND REPLACEMENT POINT REPAIR - NO. 2	LSUM	1
98	EXCAVATION AND REPLACEMENT POINT REPAIR - NO. 3	LSUM	1
99	EXCAVATION AND REPLACEMENT POINT REPAIR - ADDITIONAL PIPE IN PAVEMENT - 8"	FOOT	30

FINAL DESIGN FOR BIDDING



CONSULTANTS	REVISED -
	REVISED -
	REVISED -
	REVISED -
	REVISED -

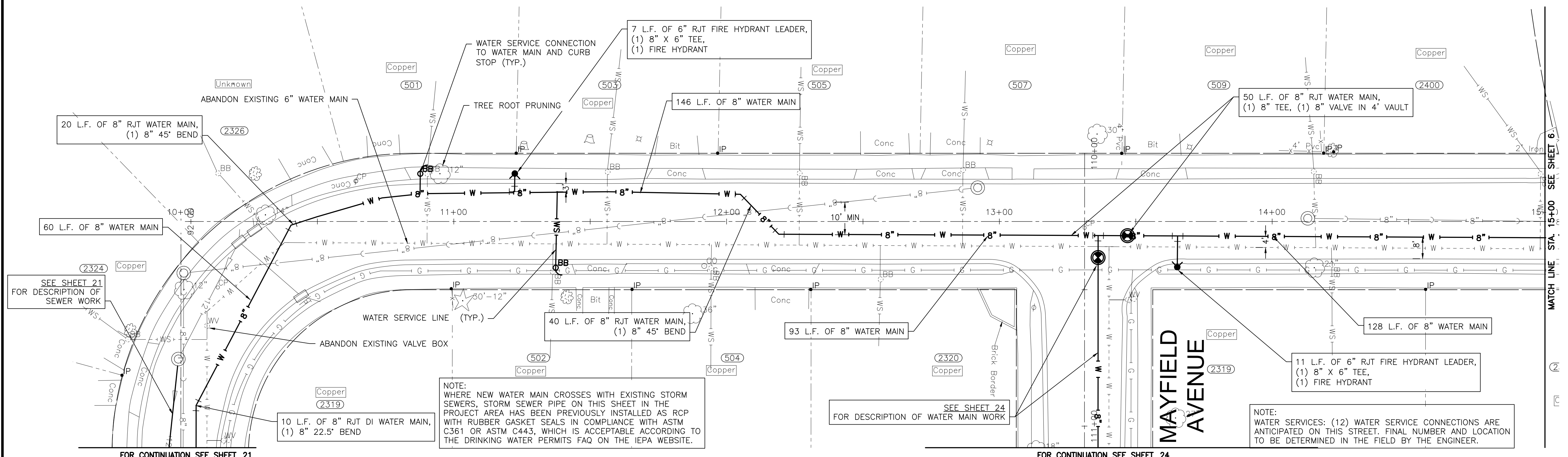
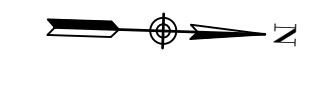
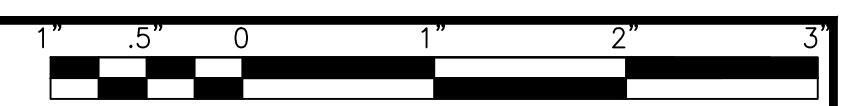
CITY OF JOLIET, ILLINOIS  
**BLACK ROAD ACRES PHASE 1 WATER MAIN IMPROVEMENTS**  
 CITY OF JOLIET CONTRACT NO. 2680-0123

GENERAL NOTES AND SUMMARY OF QUANTITIES

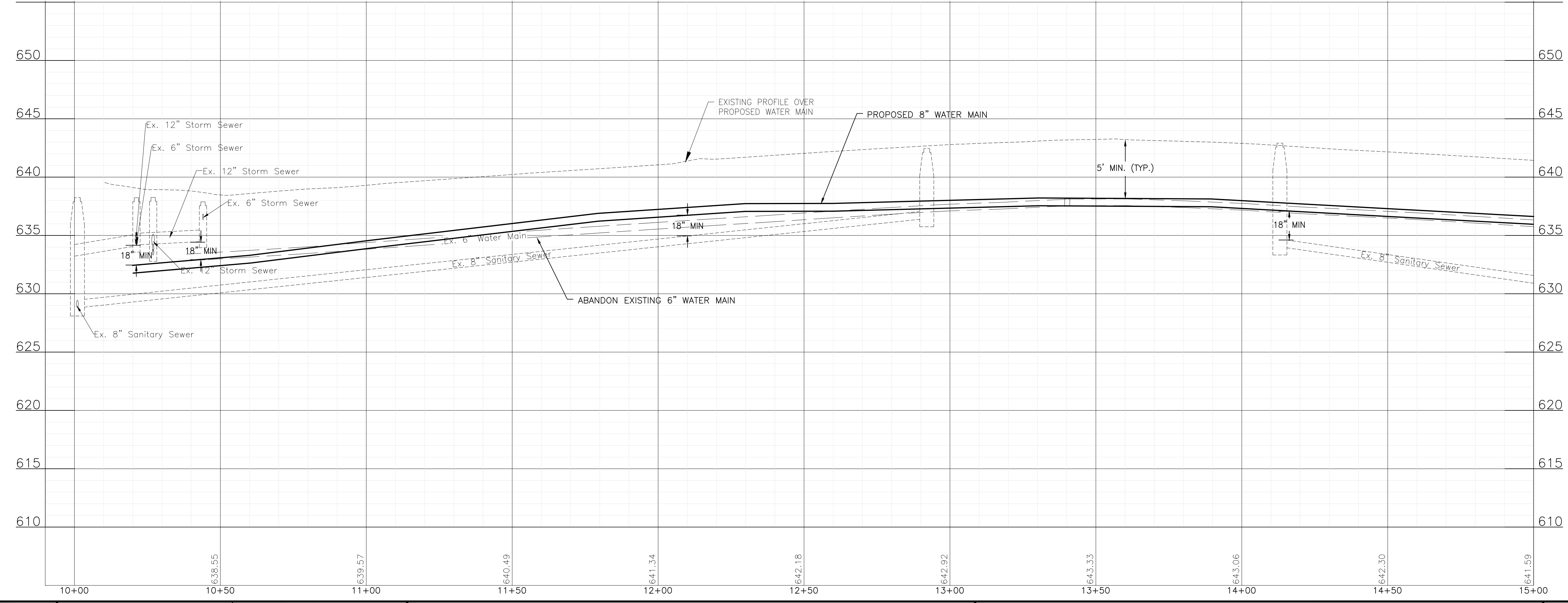
SCALE: AS NOTED PROJECT NO: 211917

DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - JJS	41	4
CHECKED - LMS		
DATE - 10/27/2022		

P:\JOLIC\211917-2023 WATER MAIN PROGRAM\CAD\BLACK ROAD ACRES PH 1\01\_CIVIL 3D\01\_SHTS-PLANS\211917-COVER\_GEN\_DET-BS-BLACK ROAD ACRES PH 1.DWG GENERAL NOTES AND SUMMARY OF QUANTITIES  
 Plotted: 10/25/2022 1:15 PM By: JSLAGER  
 Copyright © 2022, By: Baxter & Woodman, Inc.  
 State of Illinois - Professional Design Firm  
 License No. - 184-001121 - Expires 4-30-23



**WESTNEDGE ROAD**



P:\JOLIO\211917-2023 WATER MAIN PROGRAM\CAD\BLACK ROAD ACRES PH 1\01\_CIVIL\_3D\01\_SHTS-PLANS\211917-BLACK ROAD ACRES PH 1-DESIGN.DWG WESTNEDGE ROAD STA. 10+00 TO STA. 15+00 PLAN AND PROFILE  
 Plotted: 10/25/2022 1:15 PM By: JSLAGER  
 Copyright © 2022, By: Baxter & Woodman, Inc.  
 State of Illinois - Professional Design Firm  
 License No. - 184-001121 - Expires 4-30-23



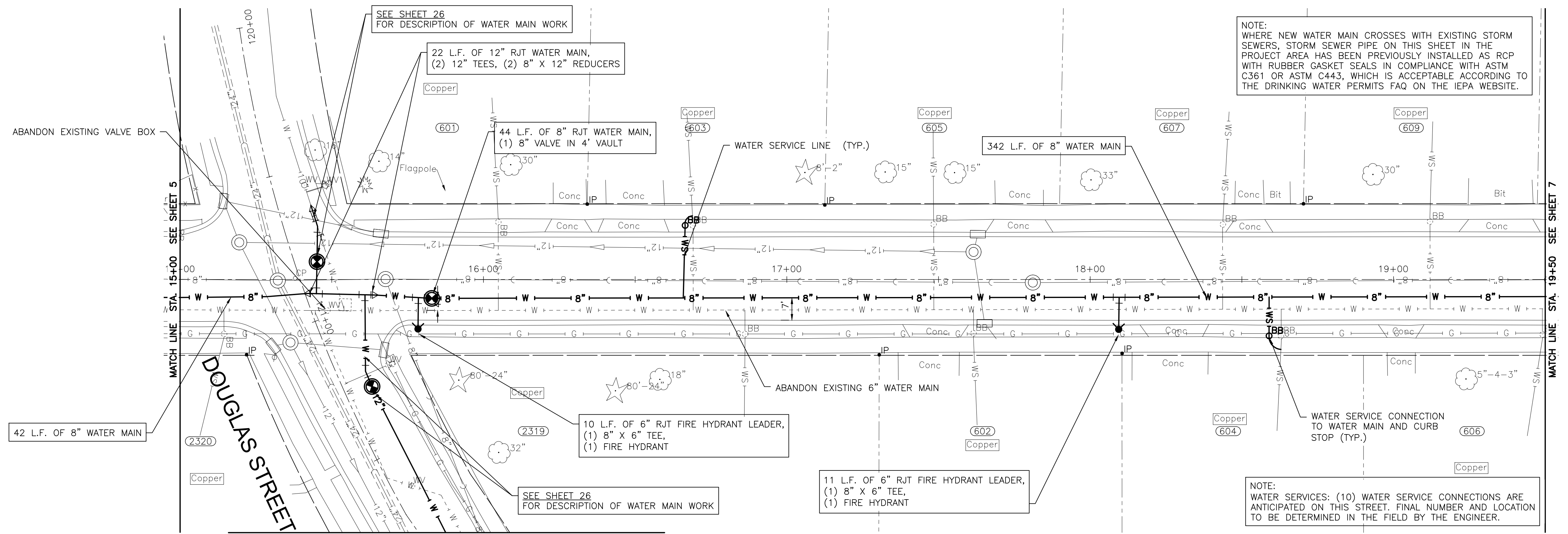
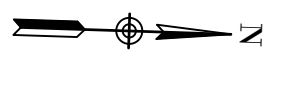
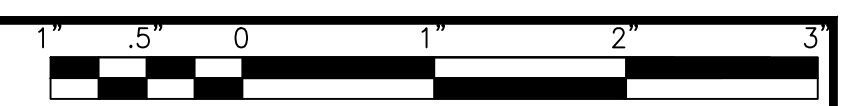
CONSULTANTS	REVISED -
	REVISED -
	REVISED -
	REVISED -

**CITY OF JOLIET, ILLINOIS**  
**BLACK ROAD ACRES PHASE 1 WATER MAIN IMPROVEMENTS**  
**CITY OF JOLIET CONTRACT NO. 2680-0123**

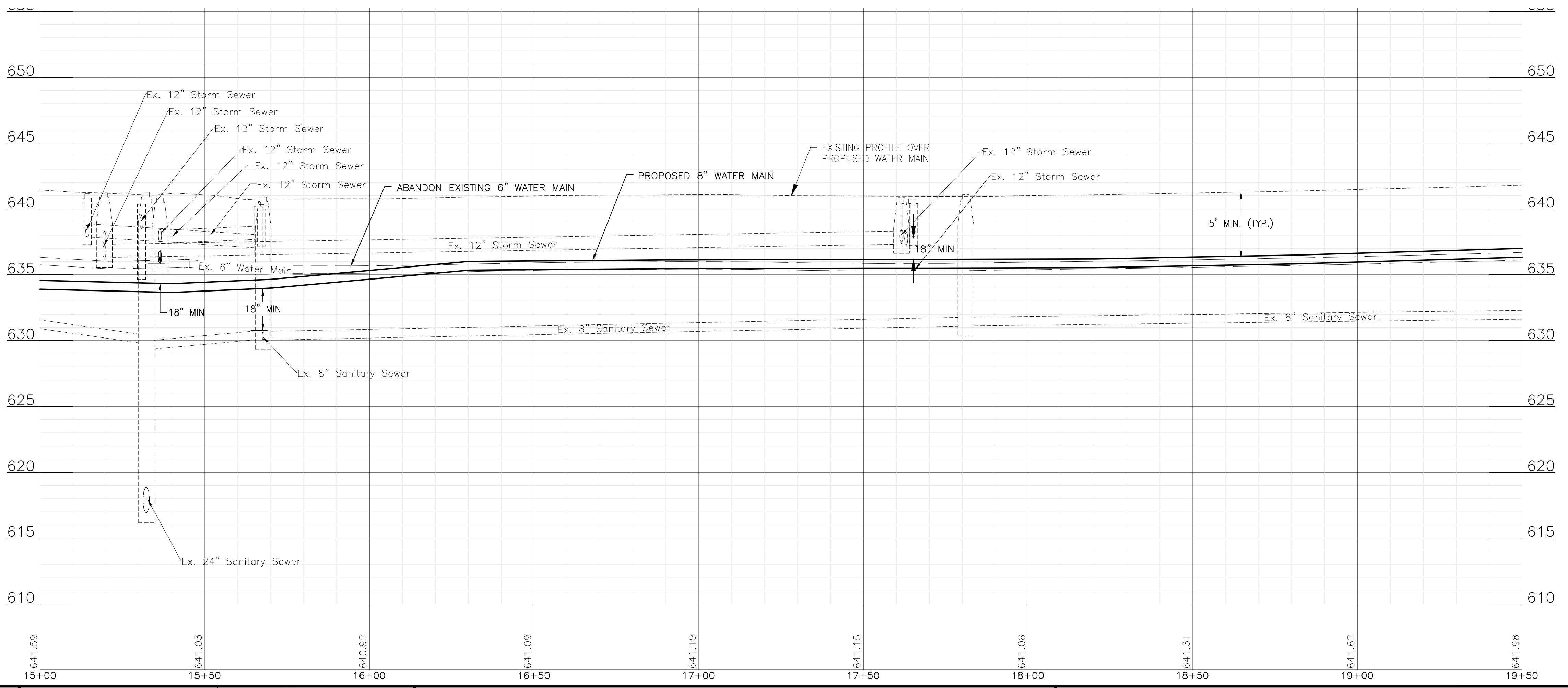
**WESTNEDGE ROAD STA. 10+00 TO STA. 15+00 PLAN AND PROFILE**  
 SCALE: HORIZ 1"=20' / VERT 1"=5'  
 PROJECT NO: 211917

DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - JJS	41	5
CHECKED - LMS		
DATE - 10/27/2022		

**FINAL DESIGN FOR BIDDING**



**WESTNEDGE ROAD**



P:\JOL\211917-2023 WATER MAIN PROGRAM\CAD\BLACK ROAD ACRES PH 1\01\_CIVIL\_3D\01\_SHTS-PLANS\211917-BLACK ROAD ACRES PH1-DESIGN.DWG WESTNEDGE ROAD STA. 15+00 TO STA. 19+50 PLAN AND PROFILE  
 Plotted: 10/25/2022 1:16 PM By: JSLAGER  
 Copyright © 2022, By: Baxter & Woodman, Inc.  
 State of Illinois - Professional Design Firm  
 License No. - 184-001121 - Expires 4-30-23



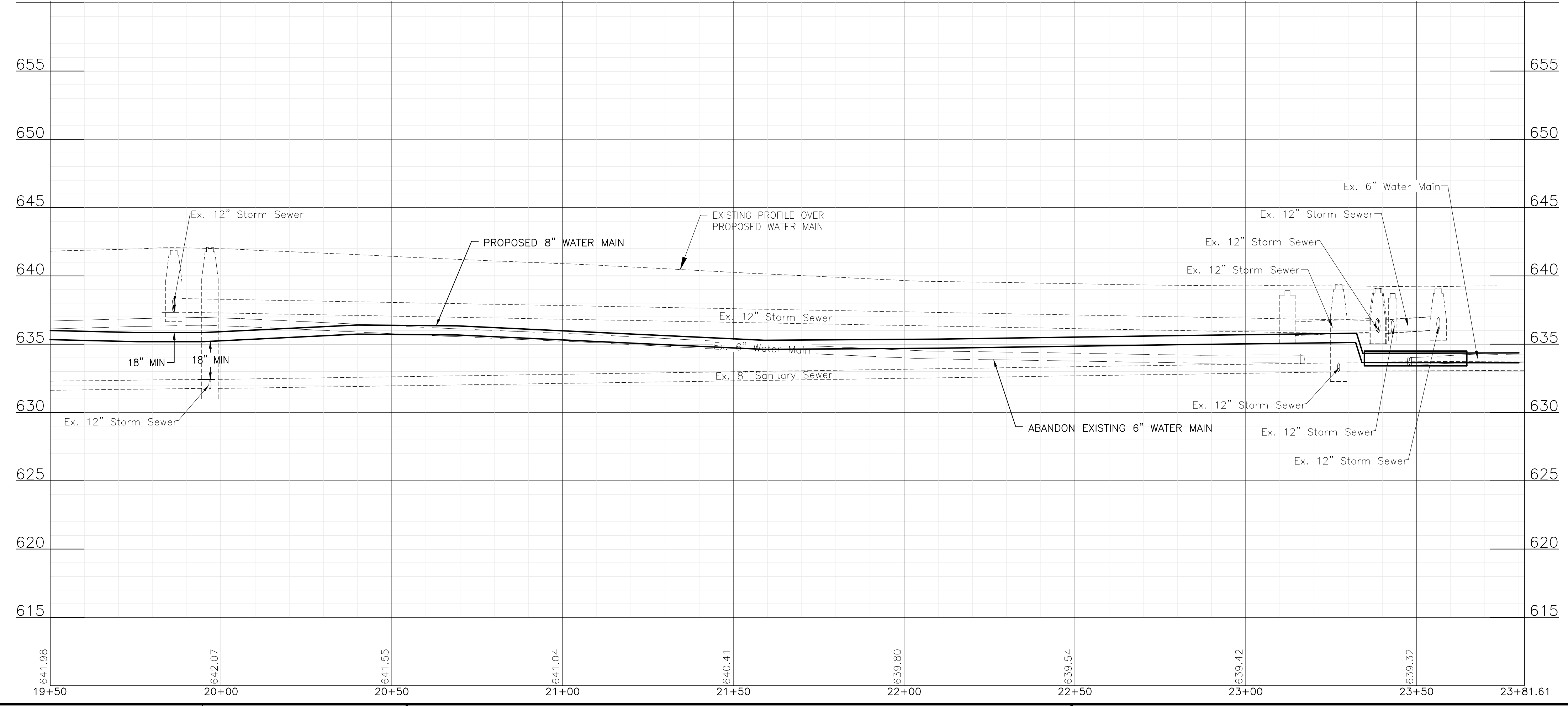
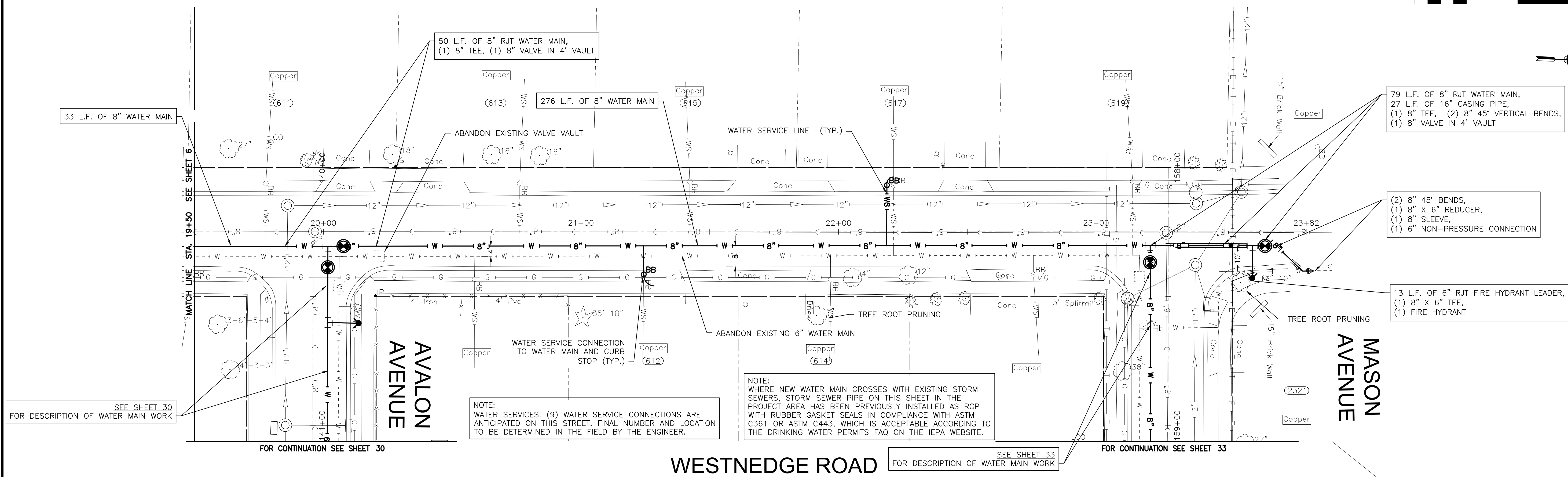
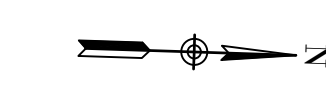
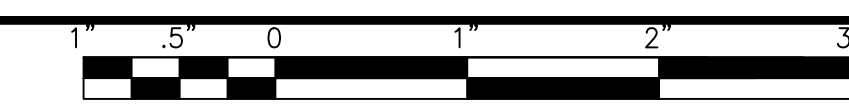
CONSULTANTS	REVISED -
	REVISED -
	REVISED -
	REVISED -

**CITY OF JOLIET, ILLINOIS**  
**BLACK ROAD ACRES PHASE 1 WATER MAIN IMPROVEMENTS**  
**CITY OF JOLIET CONTRACT NO. 2680-0123**

<b>WESTNEDGE ROAD STA. 15+00 TO STA. 19+50 PLAN AND PROFILE</b>	
SCALE: HORIZ 1"=20' / VERT 1"=5'	PROJECT NO: 211917

DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - JJS	41	6
CHECKED - LMS		
DATE - 10/27/2022		

**FINAL DESIGN FOR BIDDING**



P:\JOLIC\211917-2023 WATER MAIN PROGRAM\CAD\BLACK ROAD ACRES PH 1\01\_CIVIL\_3D\01\_SHTS-PLANS\211917-BLACK ROAD ACRES PH1-DESIGN.DWG WESTNEDEGE ROAD STA. 19+50 TO STA. 24+00 PLAN AND PROFILE  
 Plotted: 10/25/2022 1:16 PM By: JSLAGER  
 Copyright © 2022, By: Baxter & Woodman, Inc.  
 State of Illinois - Professional Design Firm  
 License No. - 184-001121 - Expires 4-30-23



CONSULTANTS	REVISED -
	REVISED -
	REVISED -
	REVISED -

**CITY OF JOLIET, ILLINOIS**  
**BLACK ROAD ACRES PHASE 1 WATER MAIN IMPROVEMENTS**  
**CITY OF JOLIET CONTRACT NO. 2680-0123**

**WESTNEDEGE ROAD STA. 19+50 TO STA. 24+00 PLAN AND PROFILE**  
 SCALE: HORIZ 1"=20' / VERT 1"=5'  
 PROJECT NO: 211917

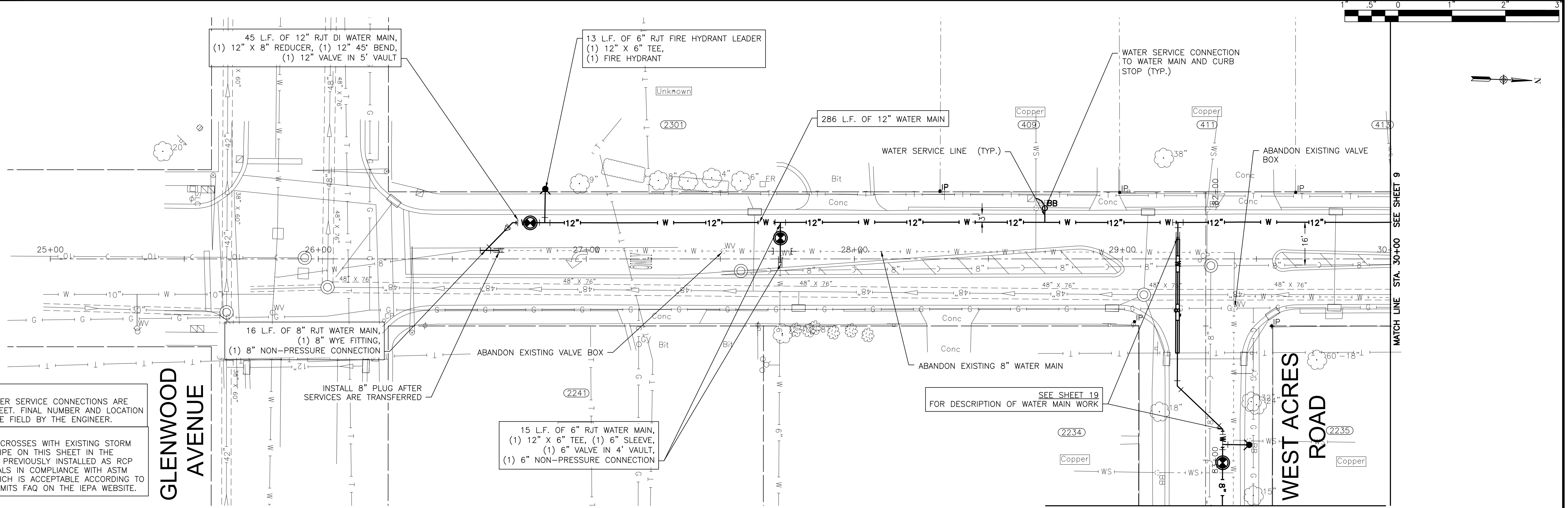
DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - JJS	41	7
CHECKED - LMS		
DATE - 10/27/2022		

FINAL DESIGN FOR BIDDING

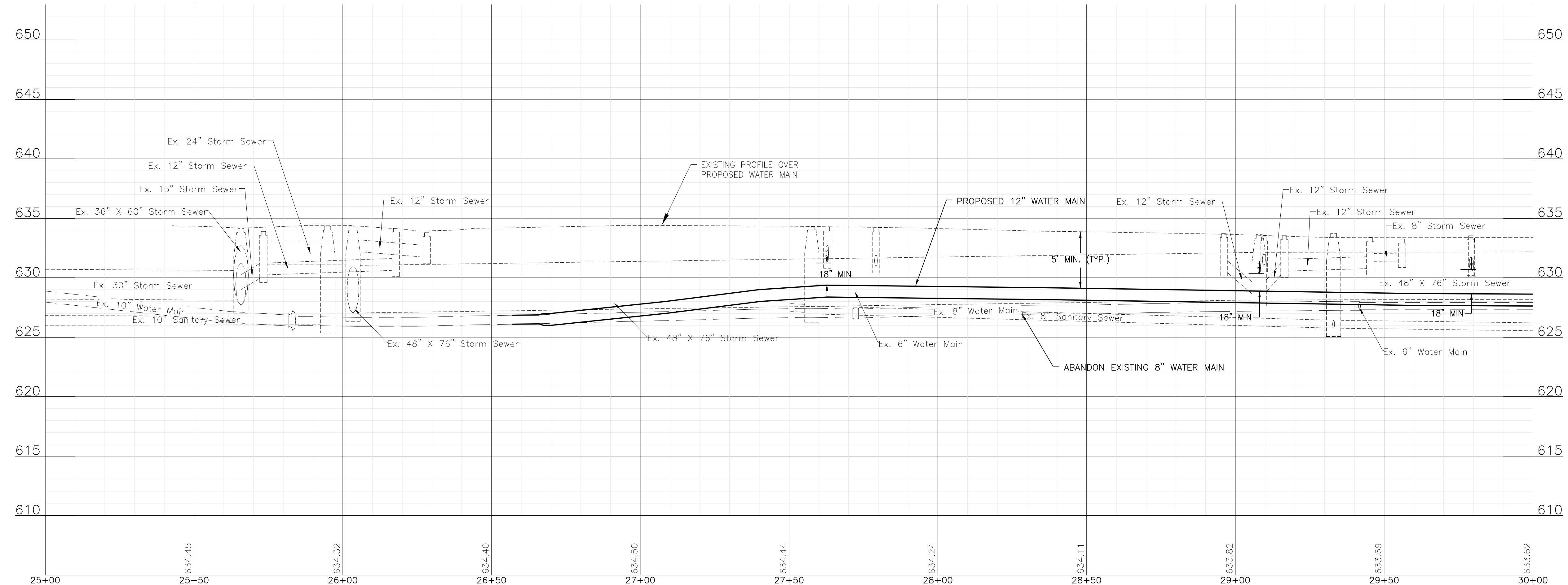
P:\JOLIET\211917-2023 WATER MAIN PROGRAM\CAD\BLACK ROAD ACRES PH 1\01\_CIVIL\_3D\01\_SHTS-PLANS\211917-BLACK ROAD ACRES PH1-DESIGN.DWG  
 Springfield Street STA. 25+00 TO STA. 30+00 PLAN AND PROFILE  
 Plotted: 10/25/2022 1:16 PM By: JSLAGER  
 Copyright © 2022, By: Baxter & Woodman, Inc.  
 State of Illinois - Professional Design Firm  
 License No. - 184-001121 - Expires 4-30-23

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

NOTE:  
 WHERE NEW WATER MAIN CROSSES WITH EXISTING STORM SEWERS, STORM SEWER PIPE ON THIS SHEET IN THE PROJECT AREA HAS BEEN PREVIOUSLY INSTALLED AS RCP WITH RUBBER GASKET SEALS IN COMPLIANCE WITH ASTM C361 OR ASTM C443, WHICH IS ACCEPTABLE ACCORDING TO THE DRINKING WATER PERMITS FAQ ON THE IEPA WEBSITE.



**SPRINGFIELD AVENUE**



FINAL DESIGN FOR BIDDING



CONSULTANTS	REVISED -
	REVISED -
	REVISED -
	REVISED -

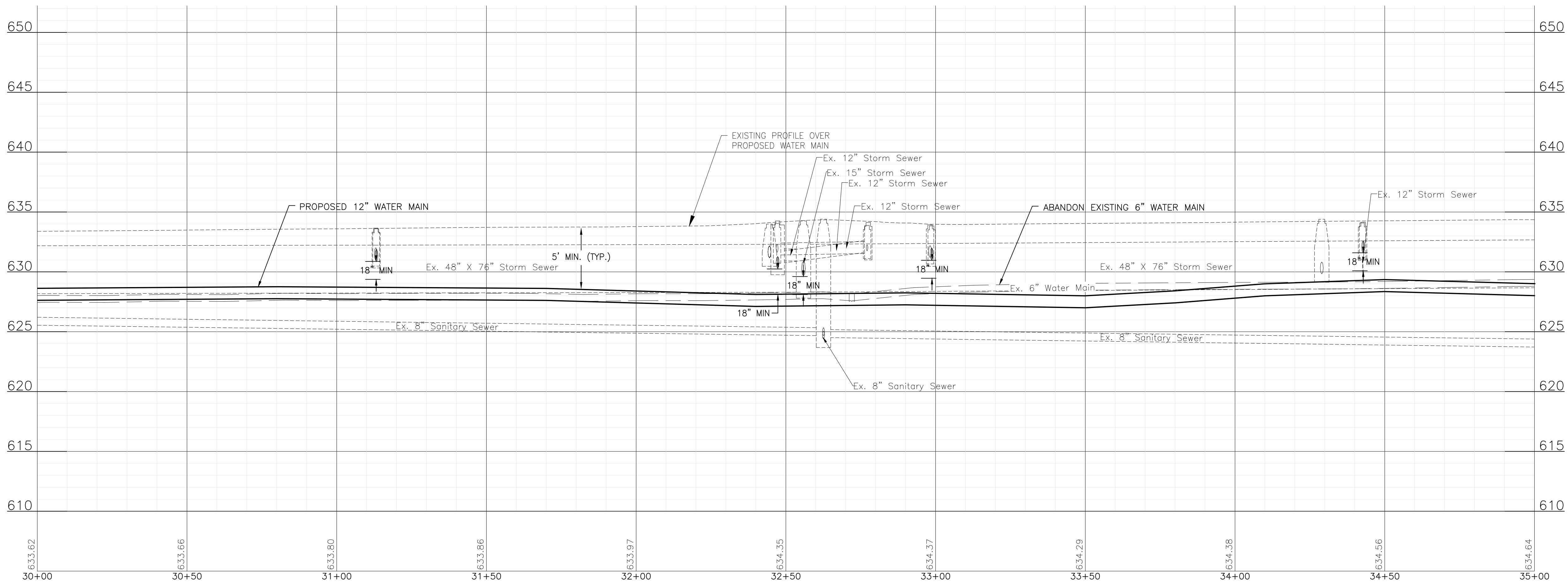
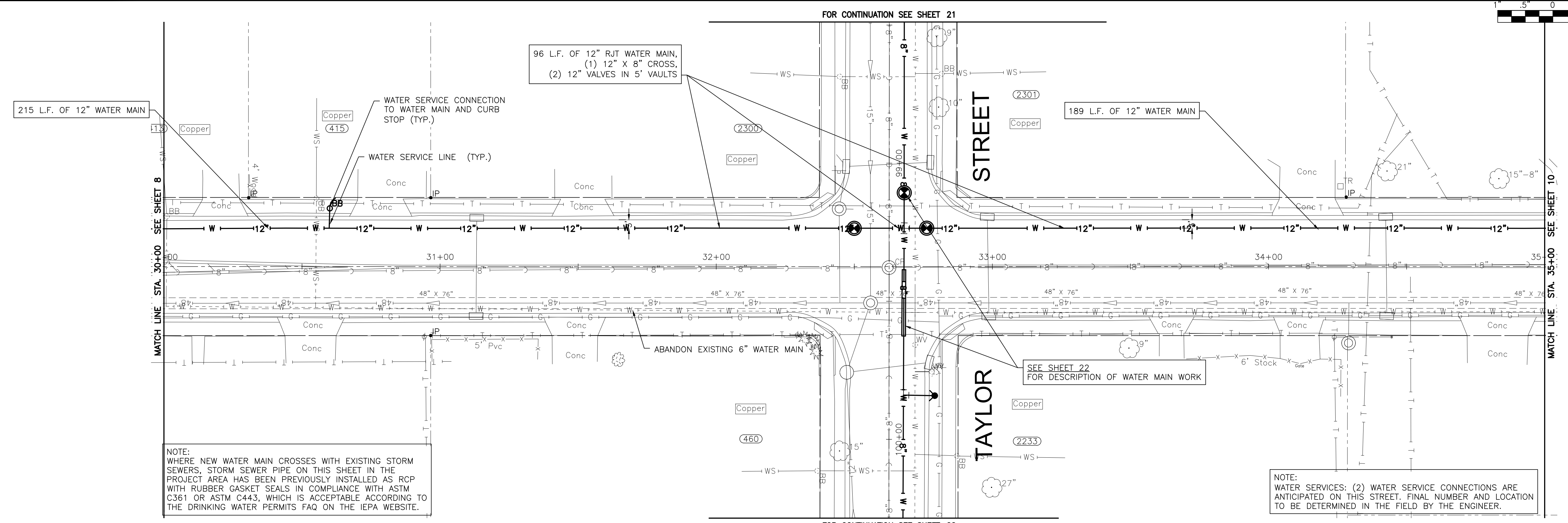
**CITY OF JOLIET, ILLINOIS**  
**BLACK ROAD ACRES PHASE 1 WATER MAIN IMPROVEMENTS**  
**CITY OF JOLIET CONTRACT NO. 2680-0123**

**SPRINGFIELD STREET STA. 25+00 TO STA. 30+00 PLAN AND PROFILE**  
 SCALE: HORIZ 1"=20' / VERT 1"=5'  
 PROJECT NO: 211917

DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - JJS	41	8
CHECKED - LMS		
DATE - 10/27/2022		



P:\JOL\211917-2023 WATER MAIN PROGRAM\CAD\BLACK ROAD ACRES PH 1\01\_CIVIL\_3D\01\_SHTS-PLANS\211917-BLACK ROAD ACRES PH1-DESIGN.DWG Springfield Street STA. 35+00 TO STA. 35+00 PLAN AND PROFILE  
 Plotted: 10/25/2022 1:17 PM By: JSLAGER  
 Copyright © 2022, By Baxter & Woodman, Inc.  
 State of Illinois - Professional Design Firm  
 License No. - 184-001121 - Expires 4-30-23



**BAXTER & WOODMAN**  
 Consulting Engineers

CONSULTANTS	REVISED -
	REVISED -
	REVISED -
	REVISED -

**CITY OF JOLIET, ILLINOIS**  
**BLACK ROAD ACRES PHASE 1 WATER MAIN IMPROVEMENTS**  
**CITY OF JOLIET CONTRACT NO. 2680-0123**

**SPRINGFIELD STREET STA. 35+00 TO STA. 35+00 PLAN AND PROFILE**

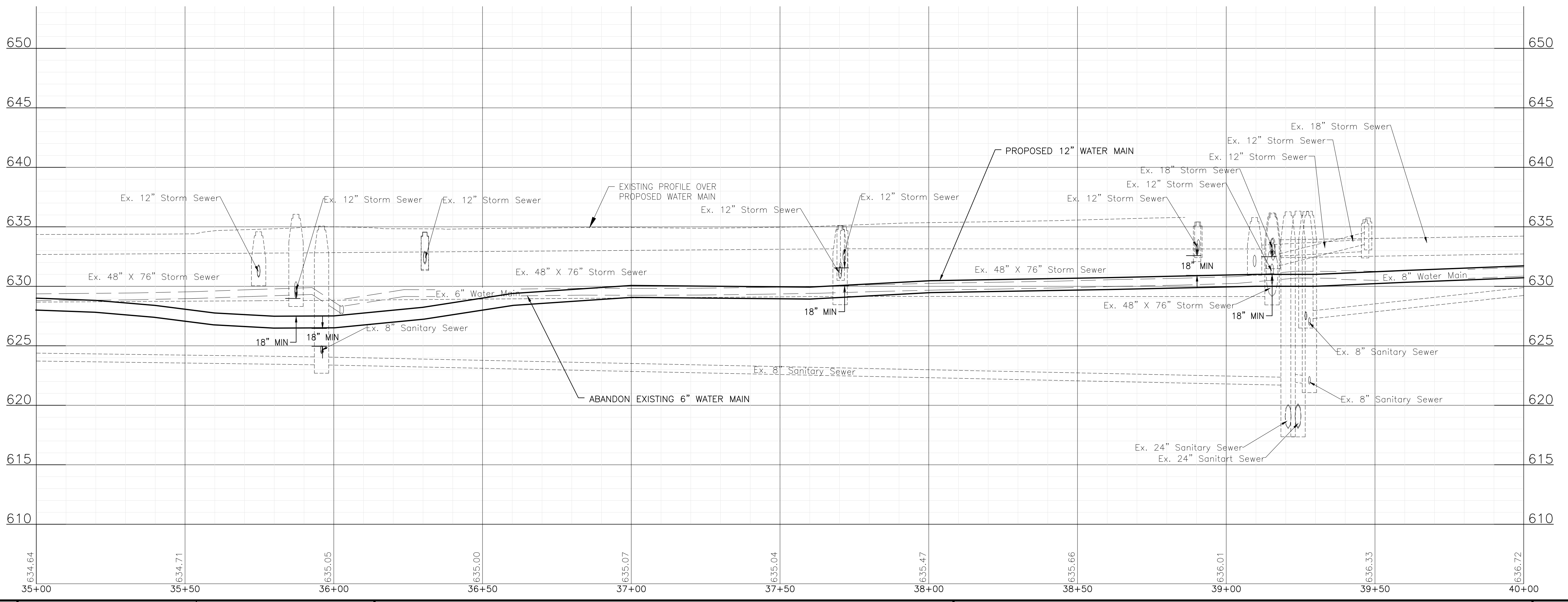
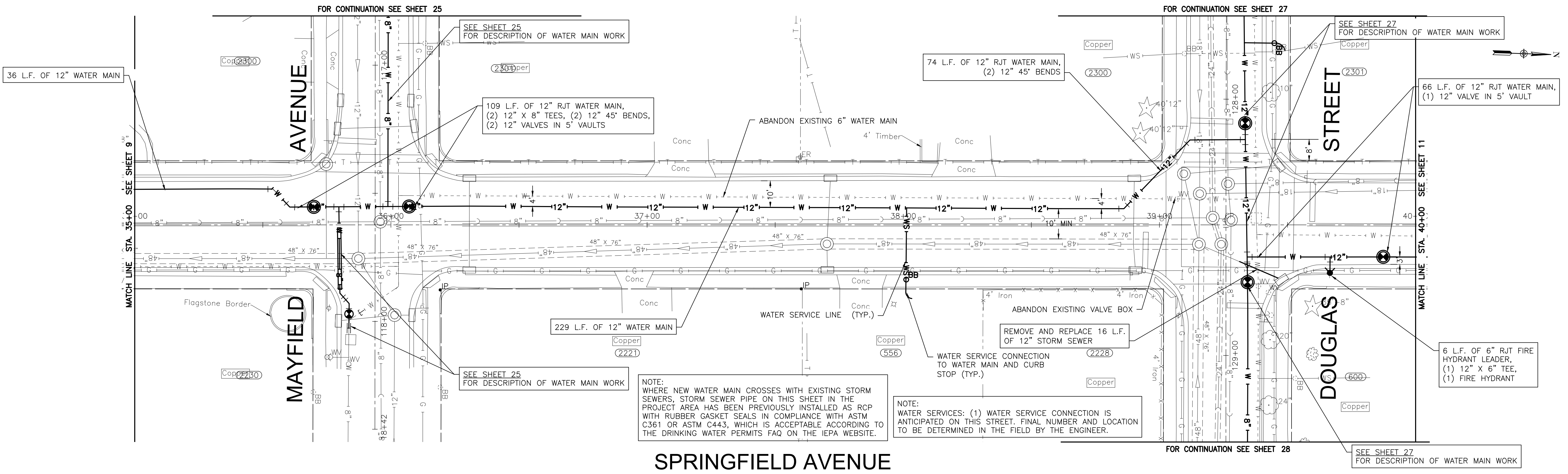
SCALE: HORIZ 1"=20' / VERT 1"=5'

PROJECT NO: 211917

DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - JJS	41	9
CHECKED - LMS		
DATE - 10/27/2022		

FINAL DESIGN FOR BIDDING

P:\JOLIO\211917-2023 WATER MAIN PROGRAM\CAD\BLACK ROAD ACRES PH 1\01\_CIVIL\_3D\01\_SHTS-PLANS\211917-BLACK ROAD ACRES PH1-DESIGN.DWG SPRINGFIELD STREET STA. 35+00 TO STA. 40+00 PLAN AND PROFILE  
 Plotted: 10/25/2022 1:17 PM By: JSLAGER  
 Copyright © 2022, By: Baxter & Woodman, Inc.  
 State of Illinois - Professional Design Firm  
 License No. - 184-001121 - Expires 4-30-23



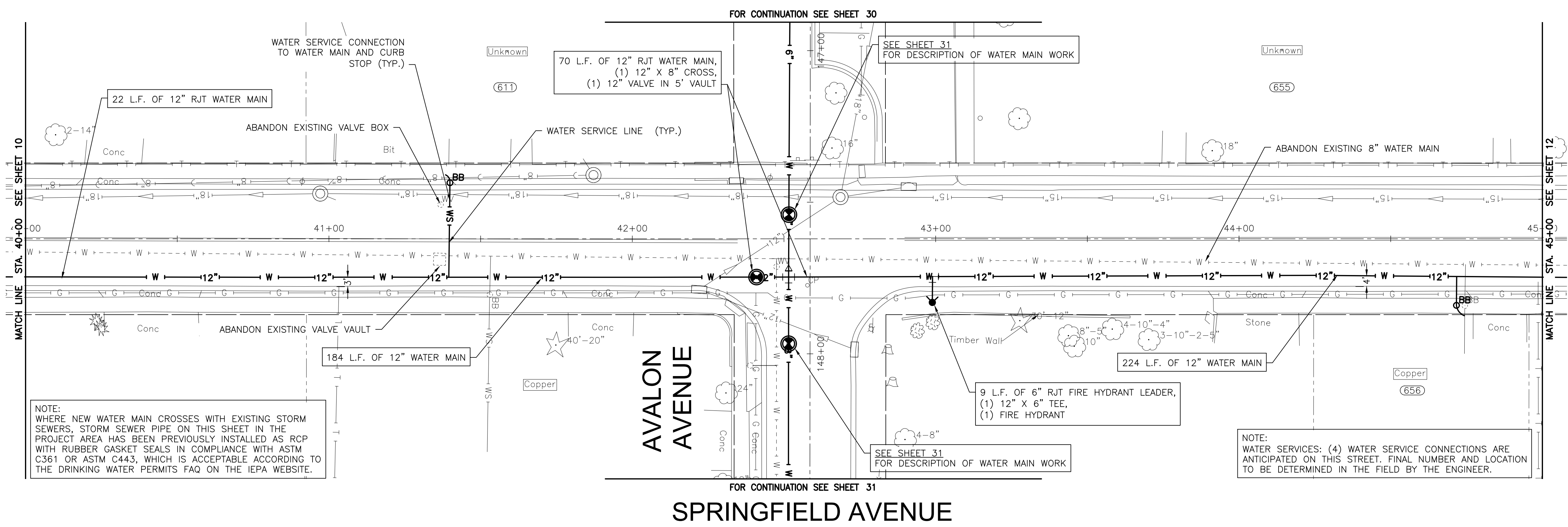
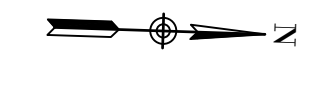
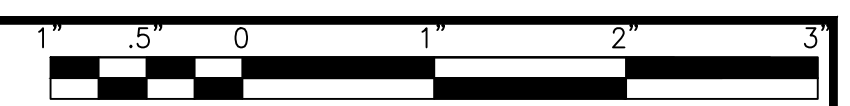
CONSULTANTS	REVISED -
	REVISED -
	REVISED -
	REVISED -

**CITY OF JOLIET, ILLINOIS**  
**BLACK ROAD ACRES PHASE 1 WATER MAIN IMPROVEMENTS**  
**CITY OF JOLIET CONTRACT NO. 2680-0123**

**SPRINGFIELD STREET STA. 35+00 TO STA. 40+00 PLAN AND PROFILE**  
 SCALE: HORIZ 1"=20' / VERT 1"=5'  
 PROJECT NO: 211917

FINAL DESIGN FOR BIDDING

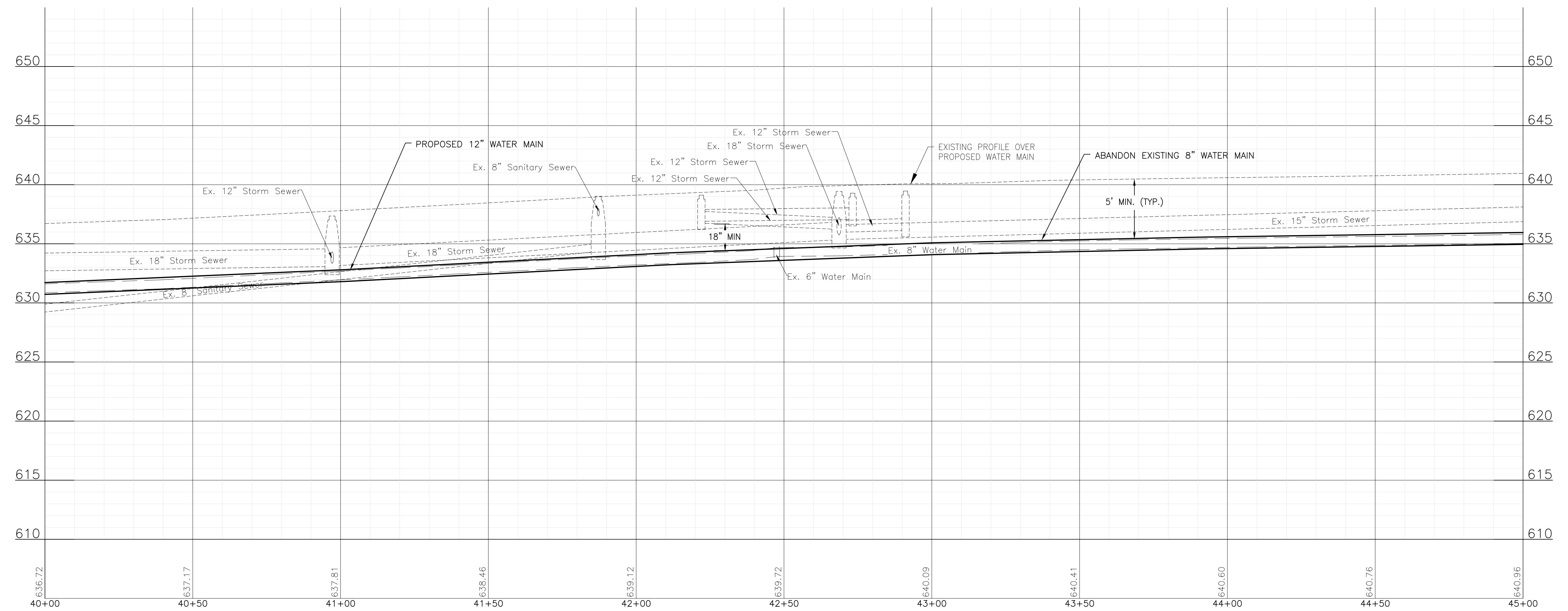
DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - JJS	41	10
CHECKED - LMS		
DATE - 10/27/2022		



NOTE:  
WHERE NEW WATER MAIN CROSSES WITH EXISTING STORM SEWERS, STORM SEWER PIPE ON THIS SHEET IN THE PROJECT AREA HAS BEEN PREVIOUSLY INSTALLED AS RCP WITH RUBBER GASKET SEALS IN COMPLIANCE WITH ASTM C361 OR ASTM C443, WHICH IS ACCEPTABLE ACCORDING TO THE DRINKING WATER PERMITS FAQ ON THE IEPA WEBSITE.

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

### SPRINGFIELD AVENUE



FINAL DESIGN FOR BIDDING

P:\JOLIET\211917-2023 WATER MAIN PROGRAM\CAD\BLACK ROAD ACRES PH 1\01\_CIVIL\_3D\01\_SHTS-PLANS\211917-BLACK ROAD ACRES PH 1-DESIGN.DWG  
 Springfield Street Sta. 40+00 to Sta. 45+00 Plan and Profile  
 Plotted: 10/25/2022 1:17 PM By: JSLAGER  
 Copyright © 2022, By: Baxter & Woodman, Inc.  
 State of Illinois - Professional Design Firm  
 License No. - 184-001121 - Expires 4-30-23



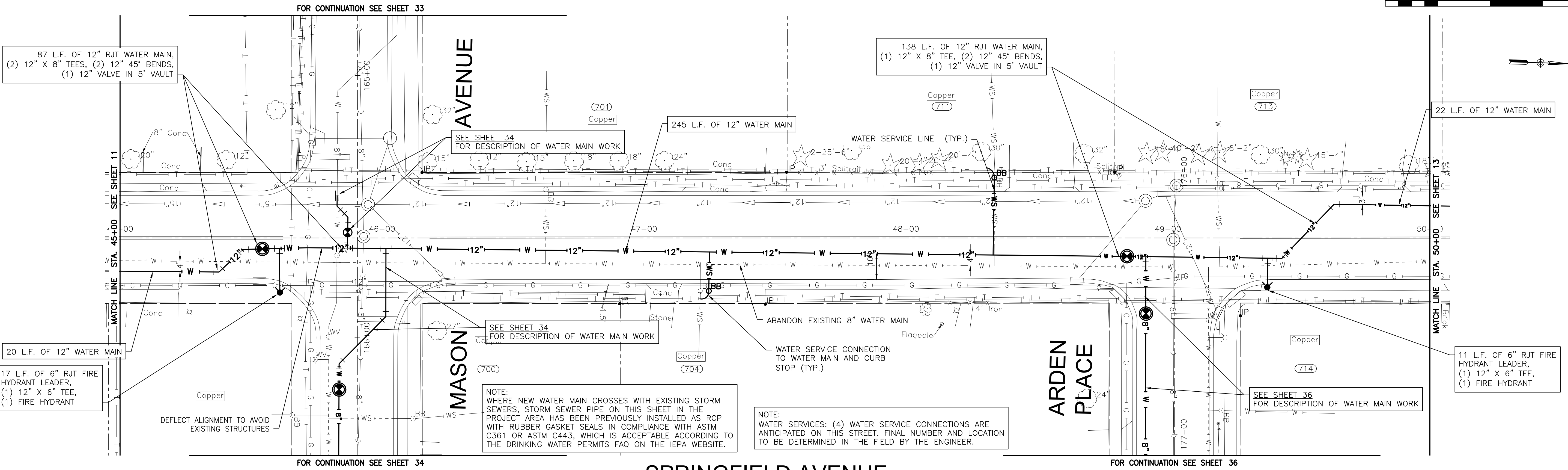
CONSULTANTS	REVISED -
	REVISED -
	REVISED -
	REVISED -

**CITY OF JOLIET, ILLINOIS**  
**BLACK ROAD ACRES PHASE 1 WATER MAIN IMPROVEMENTS**  
**CITY OF JOLIET CONTRACT NO. 2680-0123**

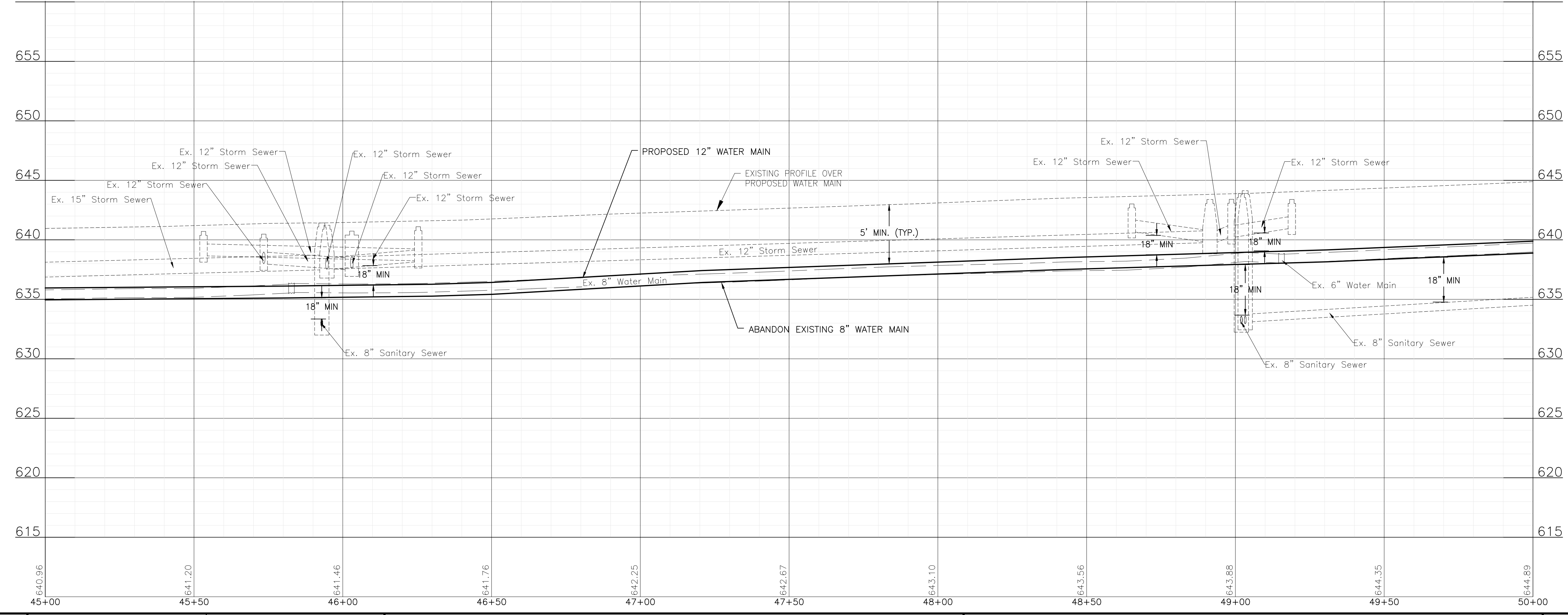
**SPRINGFIELD STREET STA. 40+00 TO STA. 45+00 PLAN AND PROFILE**

SCALE: HORIZ 1"=20' / VERT 1"=5'	PROJECT NO: 211917	TOTAL SHEETS	SHEET NO.
		41	11
		DESIGNED - RMM	DRAWN - JJS
		CHECKED - LMS	DATE - 10/27/2022

P:\JOLIET\211917-2023 WATER MAIN PROGRAM\CAD\BLACK ROAD ACRES PH 1\01\_CIVIL\_3D\01\_SHTS-PLANS\211917-BLACK ROAD ACRES PH 1-DESIGN.DWG  
Plotted: 10/25/2022 1:17 PM By: JSLAGER  
Copyright © 2022, By: Baxter & Woodman, Inc.  
State of Illinois - Professional Design Firm  
License No. - 184-001121 - Expires 4-30-23



SPRINGFIELD AVENUE

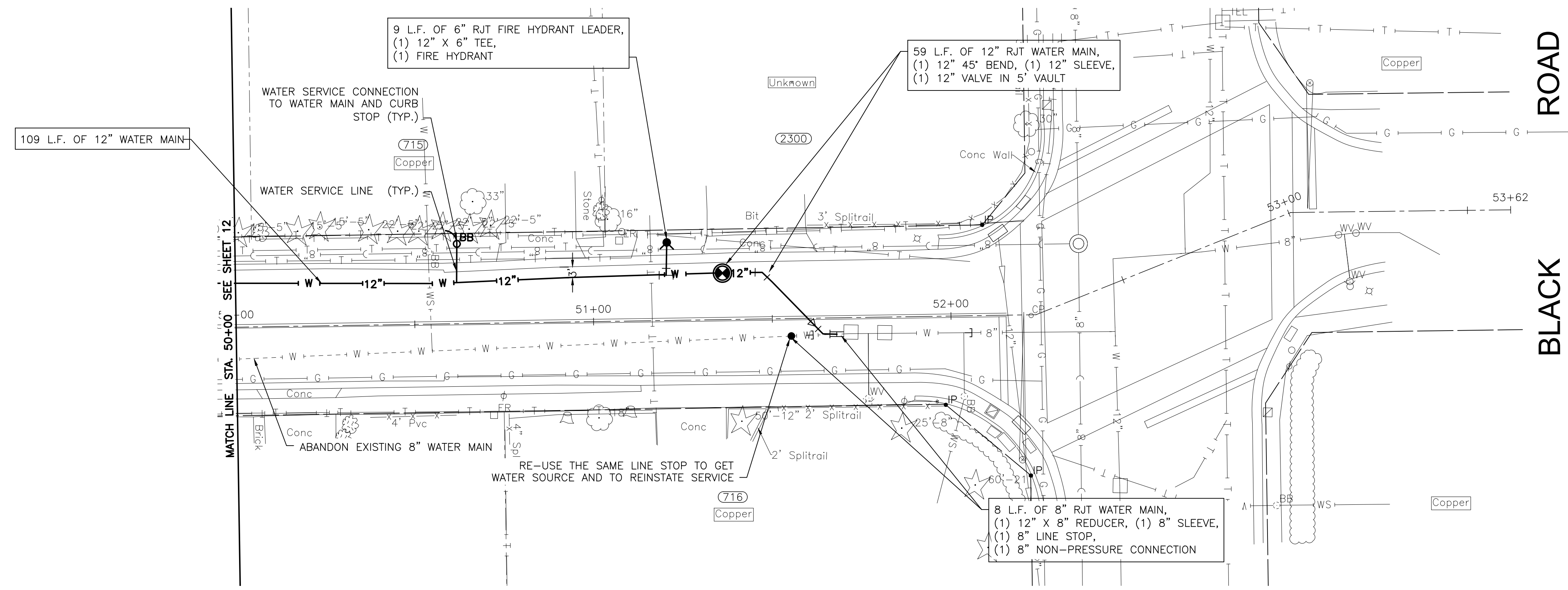
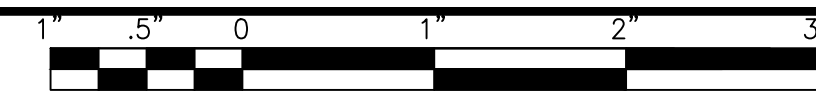


CONSULTANTS	REVISED -
	REVISED -
	REVISED -
	REVISED -

**CITY OF JOLIET, ILLINOIS**  
**BLACK ROAD ACRES PHASE 1 WATER MAIN IMPROVEMENTS**  
**CITY OF JOLIET CONTRACT NO. 2680-0123**

SCALE: HORIZ 1"=20' / VERT 1"=5'		PROJECT NO: 211917	
DESIGNED - RMM		TOTAL SHEETS	SHEET NO.
DRAWN - JJS		41	12
CHECKED - LMS			
DATE - 10/27/2022			

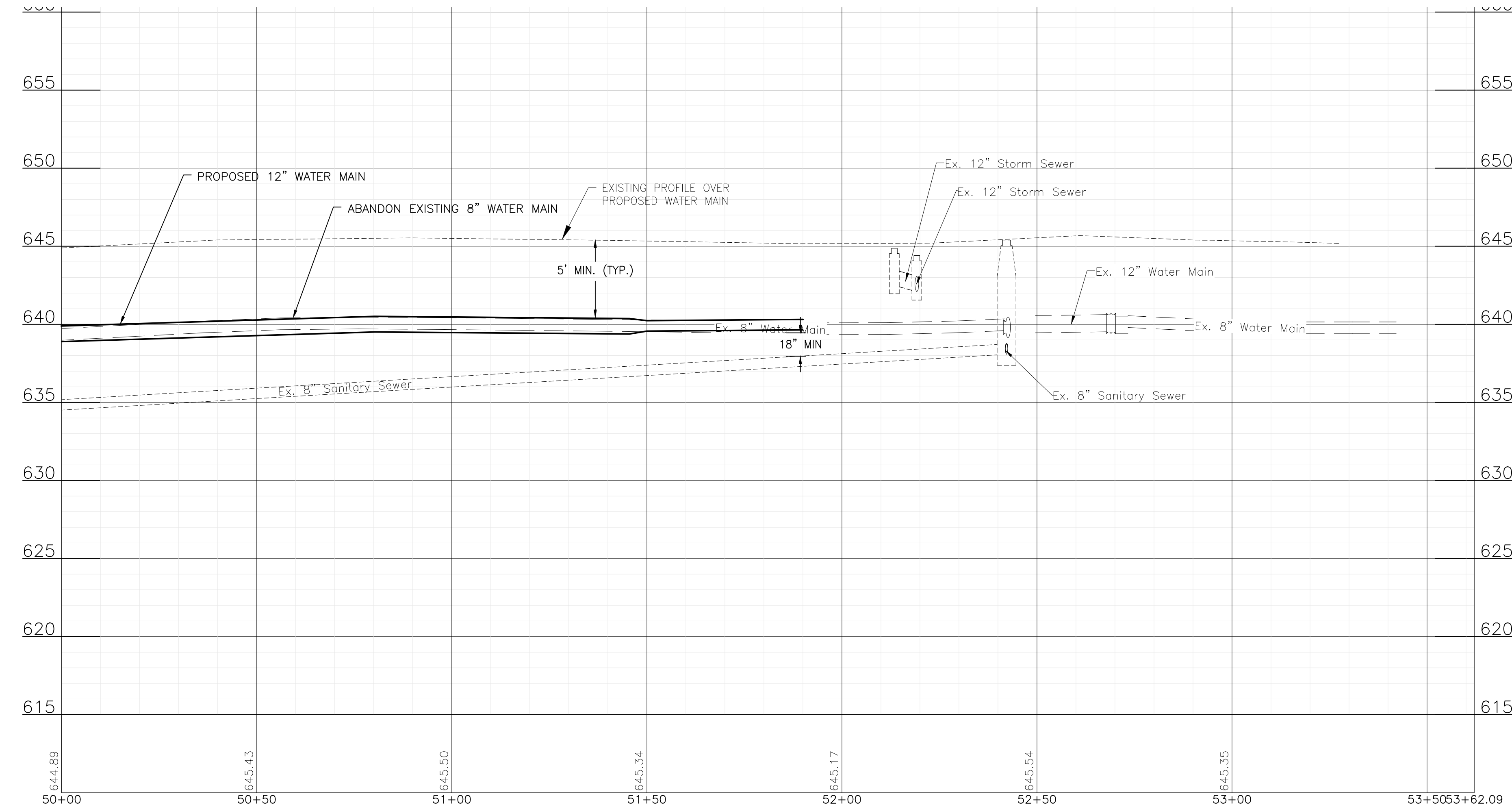
FINAL DESIGN  
FOR BIDDING



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

NOTE:  
WHERE NEW WATER MAIN CROSSES WITH EXISTING STORM SEWERS, STORM SEWER PIPE ON THIS SHEET IN THE PROJECT AREA HAS BEEN PREVIOUSLY INSTALLED AS RCP WITH RUBBER GASKET SEALS IN COMPLIANCE WITH ASTM C361 OR ASTM C443, WHICH IS ACCEPTABLE ACCORDING TO THE DRINKING WATER PERMITS FAQ ON THE IEPA WEBSITE.

**SPRINGFIELD ROAD**



P:\JOLI\211917-2023 WATER MAIN PROGRAM\CAD\BLACK ROAD ACRES PH 1\01\_CIVIL\_3D\01\_SHTS-PLANS\211917-BLACK ROAD ACRES PH1-DESIGN.DWG  
 Springfield Street STA. 50+00 TO STA. 54+00 PLAN AND PROFILE  
 Plotted: 10/25/2022 1:18 PM By: JSLAGER  
 Copyright © 2022, By: Baxter & Woodman, Inc.  
 State of Illinois - Professional Design Firm  
 License No. - 184-001121 - Expires 4-30-23



CONSULTANTS	REVISED -
	REVISED -
	REVISED -
	REVISED -

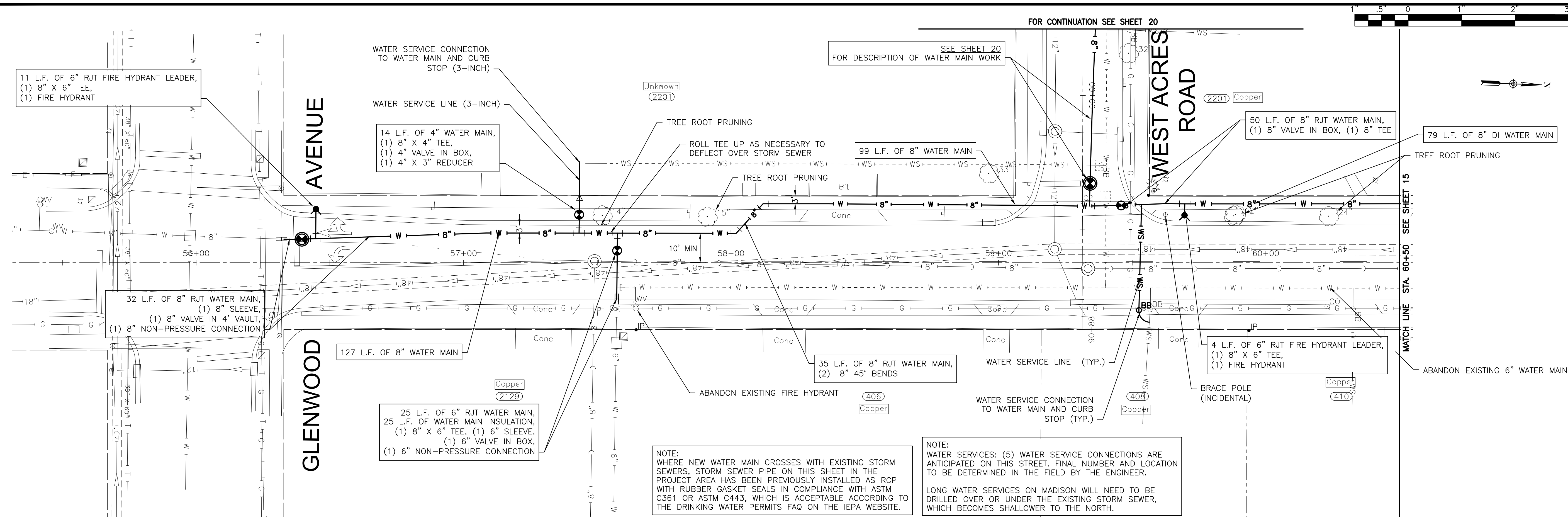
**CITY OF JOLIET, ILLINOIS**  
**BLACK ROAD ACRES PHASE 1 WATER MAIN IMPROVEMENTS**  
**CITY OF JOLIET CONTRACT NO. 2680-0123**

<b>SPRINGFIELD STREET STA. 50+00 TO STA. 54+00 PLAN AND PROFILE</b>	
SCALE: HORIZ 1"=20' / VERT 1"=5'	PROJECT NO: 211917

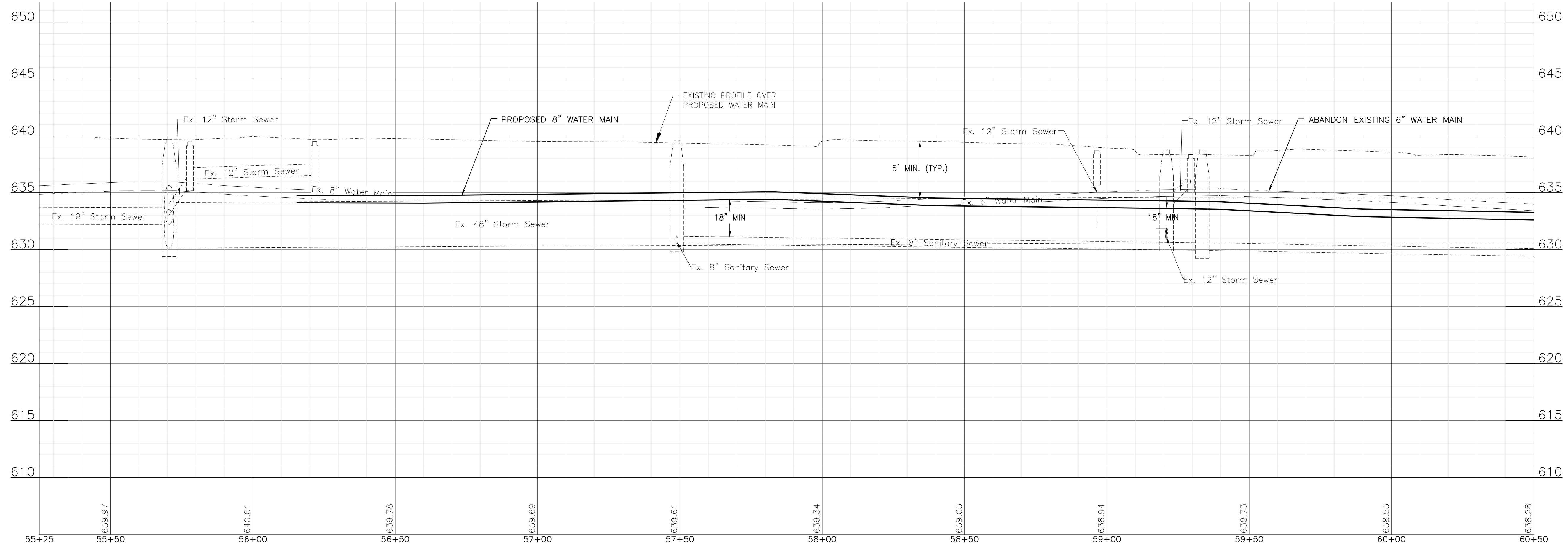
DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - JJS	41	13
CHECKED - LMS		
DATE - 10/27/2022		

FINAL DESIGN FOR BIDDING

P:\JOLIET\211917-2023 WATER MAIN PROGRAM\CAD\BLACK ROAD ACRES PH 1\01\_CIVIL\_3D\01\_SHTS-PLANS\211917-BLACK ROAD ACRES PH1-DESIGN.DWG MADISON STREET STA. 55+00 TO STA. 60+50 PLAN AND PROFILE  
 Plotted: 10/25/2022 1:18 PM By: JSLAGER  
 Copyright © 2022, By: Baxter & Woodman, Inc.  
 State of Illinois - Professional Design Firm  
 License No. - 184-001121 - Expires 4-30-23



MADISON STREET



FINAL DESIGN FOR BIDDING



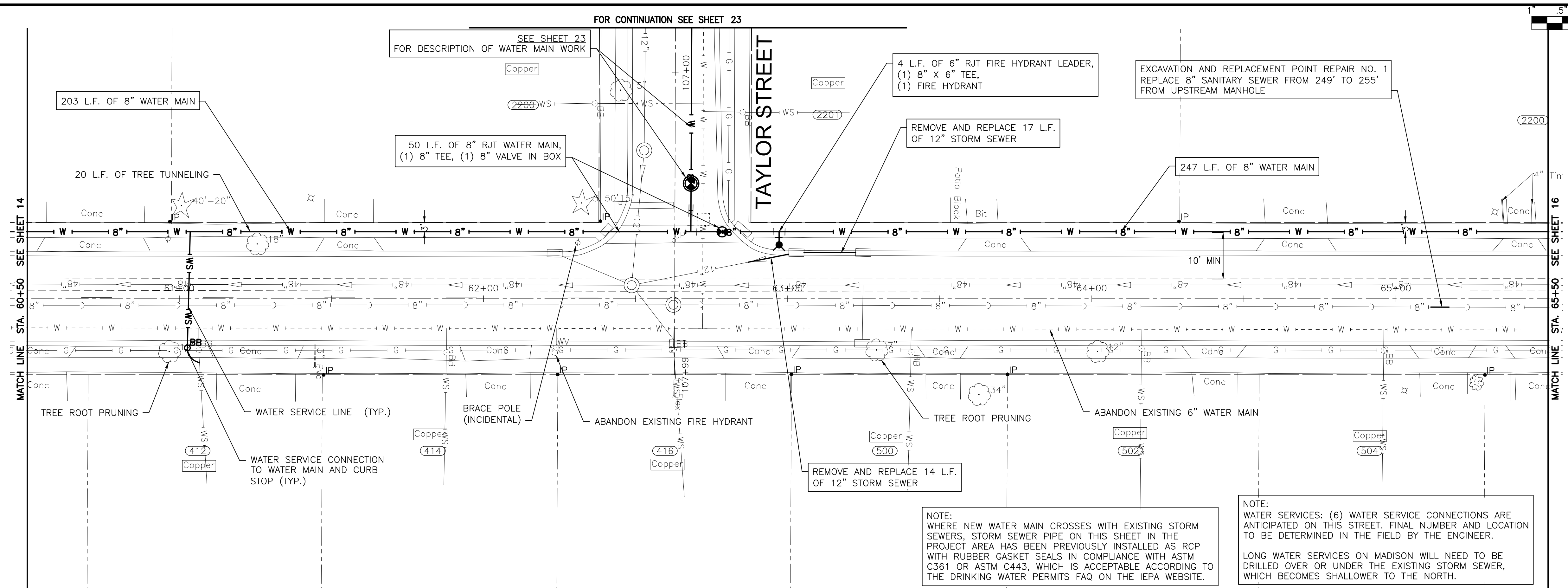
CONSULTANTS	REVISED -
	REVISED -
	REVISED -
	REVISED -

CITY OF JOLIET, ILLINOIS  
 BLACK ROAD ACRES PHASE 1 WATER MAIN IMPROVEMENTS  
 CITY OF JOLIET CONTRACT NO. 2680-0123

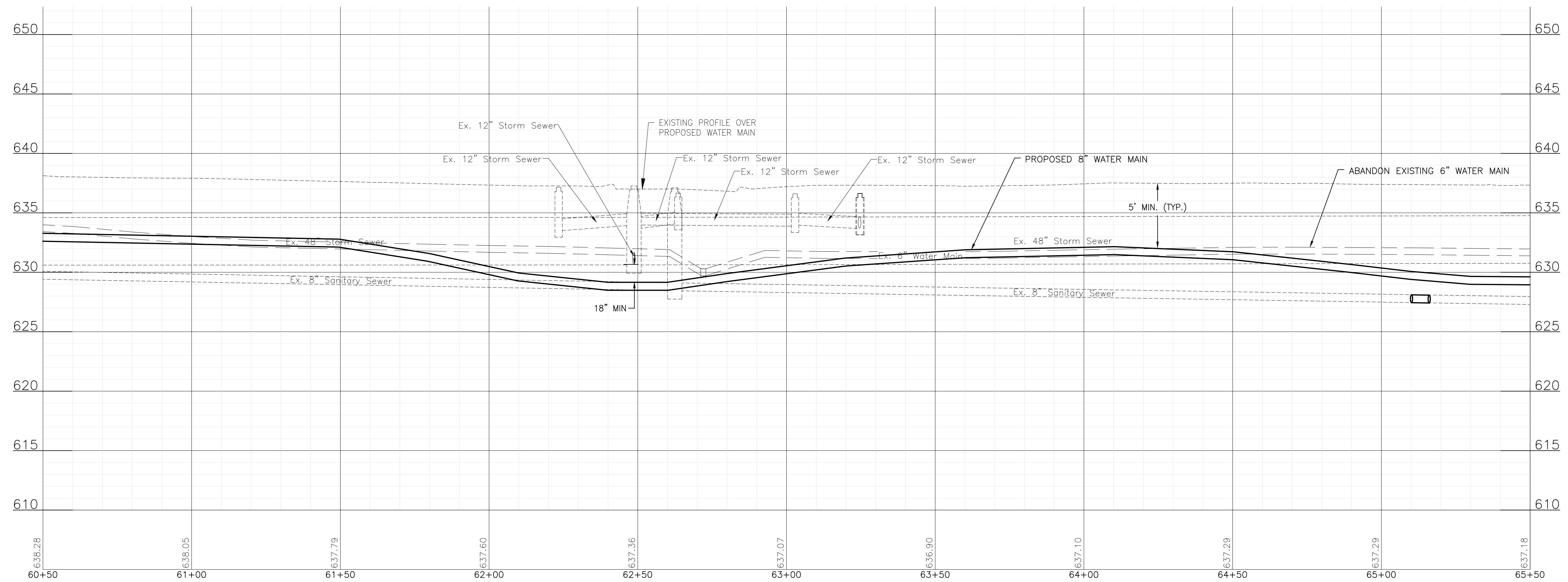
MADISON STREET STA. 55+00 TO STA. 60+50 PLAN AND PROFILE  
 SCALE: HORIZ 1"=20' / VERT 1"=5'  
 PROJECT NO: 211917

DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - JJS	41	14
CHECKED - LMS		
DATE - 10/27/2022		

P:\JOLIET\211917-2023 WATER MAIN PROGRAM\CAD\BLACK ROAD ACRES PH 1\01\_CIVIL\_3D\01\_SHTS-PLANS\211917-BLACK ROAD ACRES PH 1-DESIGN.DWG MADISON STREET STA. 60+50 TO STA. 65+50 PLAN AND PROFILE  
 Plotted: 10/25/2022 1:18 PM By: JSLAGER  
 Copyright © 2022, By: Baxter & Woodman, Inc.  
 State of Illinois - Professional Design Firm  
 License No. - 184-001121 - Expires 4-30-23



MADISON STREET



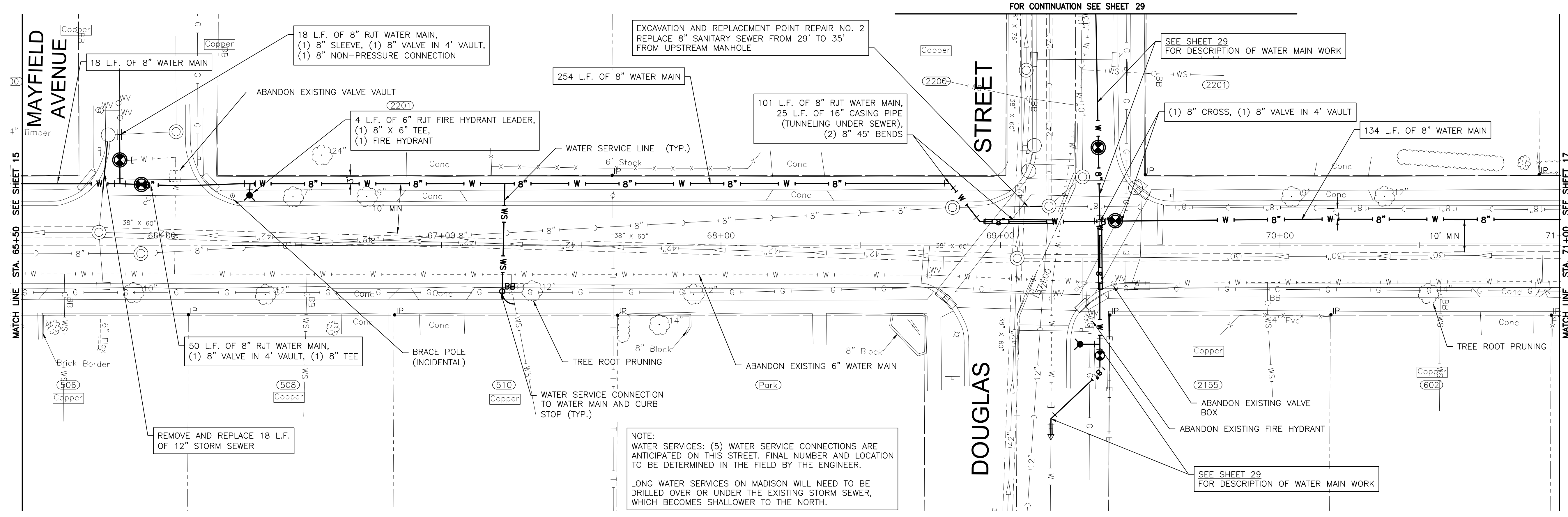
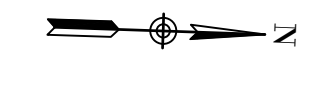
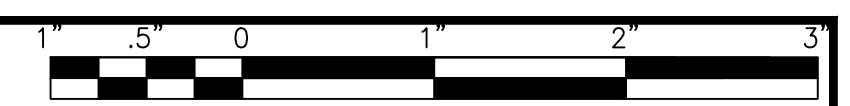
CONSULTANTS	REVISED -
	REVISED -
	REVISED -
	REVISED -

CITY OF JOLIET, ILLINOIS  
 BLACK ROAD ACRES PHASE 1 WATER MAIN IMPROVEMENTS  
 CITY OF JOLIET CONTRACT NO. 2680-0123

MADISON STREET STA. 60+50 TO STA. 65+50 PLAN AND PROFILE  
 SCALE: HORIZ 1"=20' / VERT 1"=5'  
 PROJECT NO: 211917

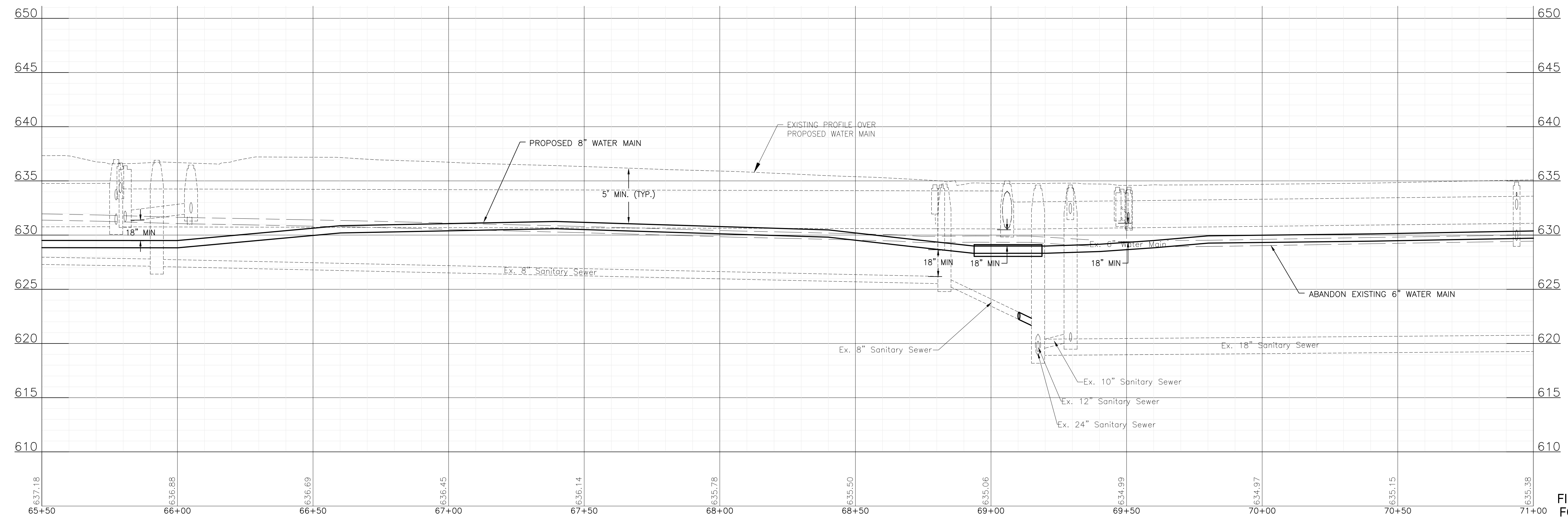
DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - JJS	41	15
CHECKED - LMS		
DATE - 10/27/2022		

FINAL DESIGN FOR BIDDING



NOTE:  
 WATER SERVICES: (5) WATER SERVICE CONNECTIONS ARE ANTICIPATED ON THIS STREET. FINAL NUMBER AND LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER.  
 LONG WATER SERVICES ON MADISON WILL NEED TO BE DRILLED OVER OR UNDER THE EXISTING STORM SEWER, WHICH BECOMES SHALLOWER TO THE NORTH.

**MADISON STREET**



**FINAL DESIGN FOR BIDDING**

P:\JOLIC\211917-2023 WATER MAIN PROGRAM\CAD\BLACK ROAD ACRES PH 1\01\_CIVIL\_3D\01\_SHTS-PLANS\211917-BLACK ROAD ACRES PH1-DESIGN.DWG MADISON STREET STA. 65+50 TO STA. 71+00 PLAN AND PROFILE  
 Plotted: 10/25/2022 1:18 PM By: JSLAGER  
 Copyright © 2022, By: Baxter & Woodman, Inc.  
 State of Illinois - Professional Design Firm  
 License No. - 184-001121 - Expires 4-30-23



CONSULTANTS	REVISED -
	REVISED -
	REVISED -
	REVISED -

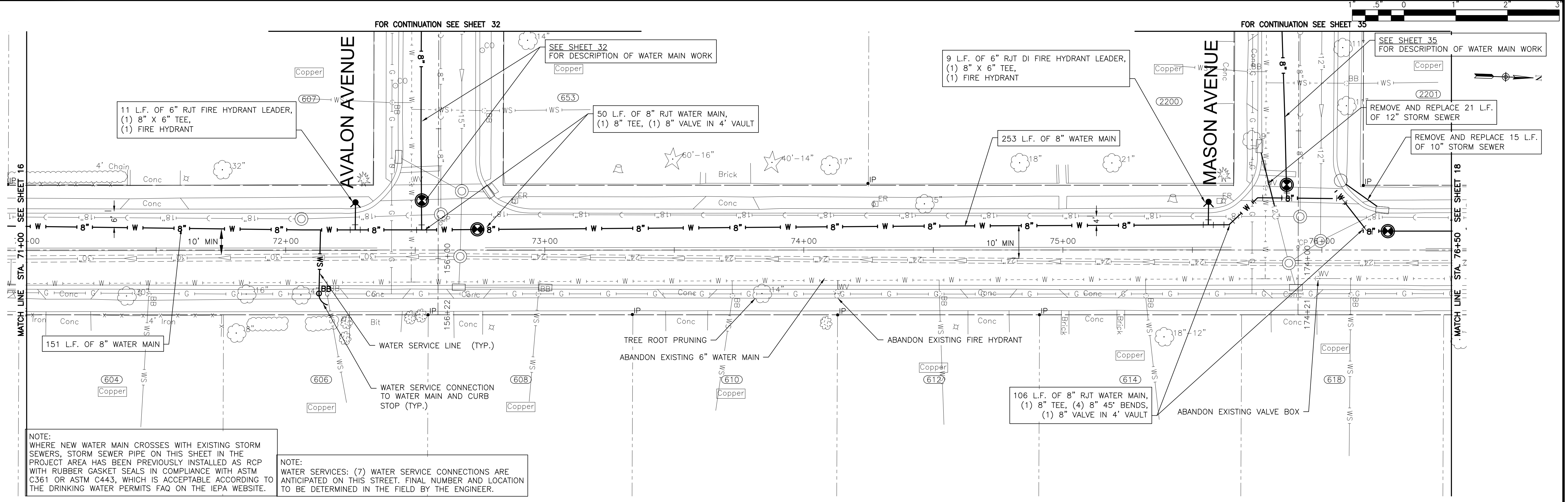
**CITY OF JOLIET, ILLINOIS**  
**BLACK ROAD ACRES PHASE 1 WATER MAIN IMPROVEMENTS**  
**CITY OF JOLIET CONTRACT NO. 2680-0123**

**MADISON STREET STA. 65+50 TO STA. 71+00 PLAN AND PROFILE**  
 SCALE: HORIZ 1"=20' / VERT 1"=5'  
 PROJECT NO: 211917

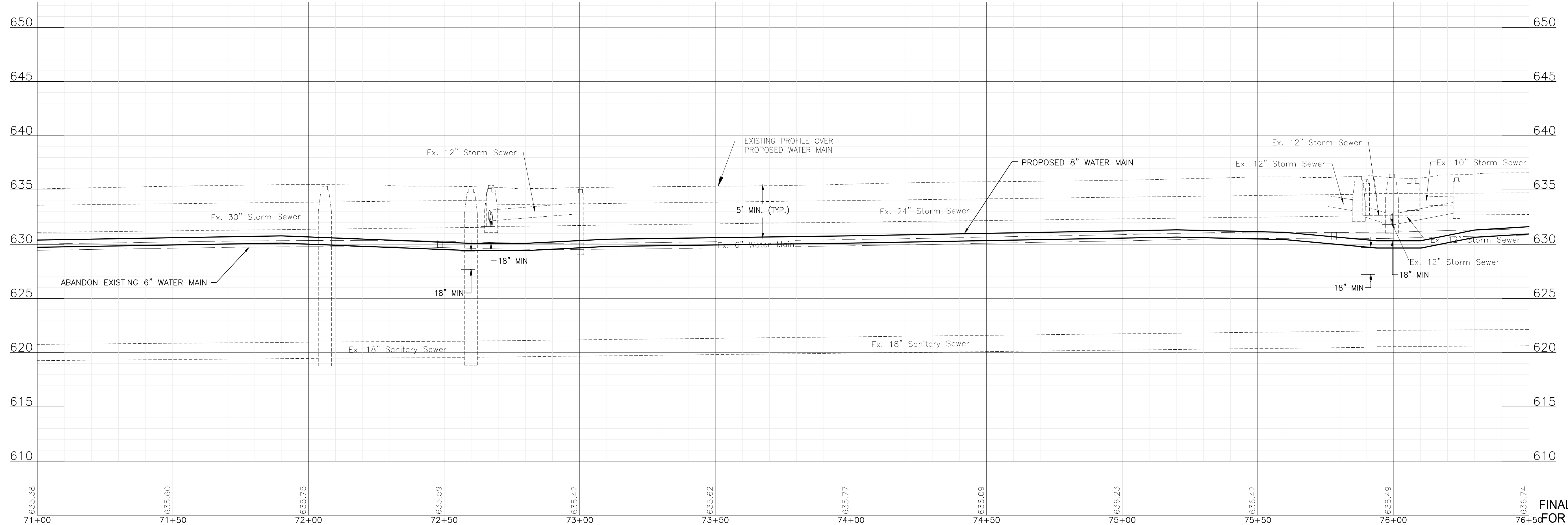
DESIGNED - RMM	TOTAL SHEETS	41
DRAWN - JJS	SHEET NO.	16
CHECKED - LMS		
DATE - 10/27/2022		



P:\JOLTC\211917-2023 WATER MAIN PROGRAM\CAD\BLACK ROAD ACRES PH 1\01\_CIVIL\_3D\01\_SHTS-PLANS\211917-BLACK ROAD ACRES PH 1-DESIGN.DWG MADISON STREET STA. 71+00 TO STA. 76+50 PLAN AND PROFILE  
 Plotted: 10/25/2022 1:19 PM By: JSLAGER  
 Copyright © 2022, By: Baxter & Woodman, Inc.  
 State of Illinois - Professional Design Firm  
 License No. - 184-001121 - Expires 4-30-23



MADISON STREET



FINAL DESIGN FOR BIDDING



CONSULTANTS	REVISED -
	REVISED -
	REVISED -
	REVISED -

CITY OF JOLIET, ILLINOIS  
 BLACK ROAD ACRES PHASE 1 WATER MAIN IMPROVEMENTS  
 CITY OF JOLIET CONTRACT NO. 2680-0123

MADISON STREET STA. 71+00 TO STA. 76+50 PLAN AND PROFILE

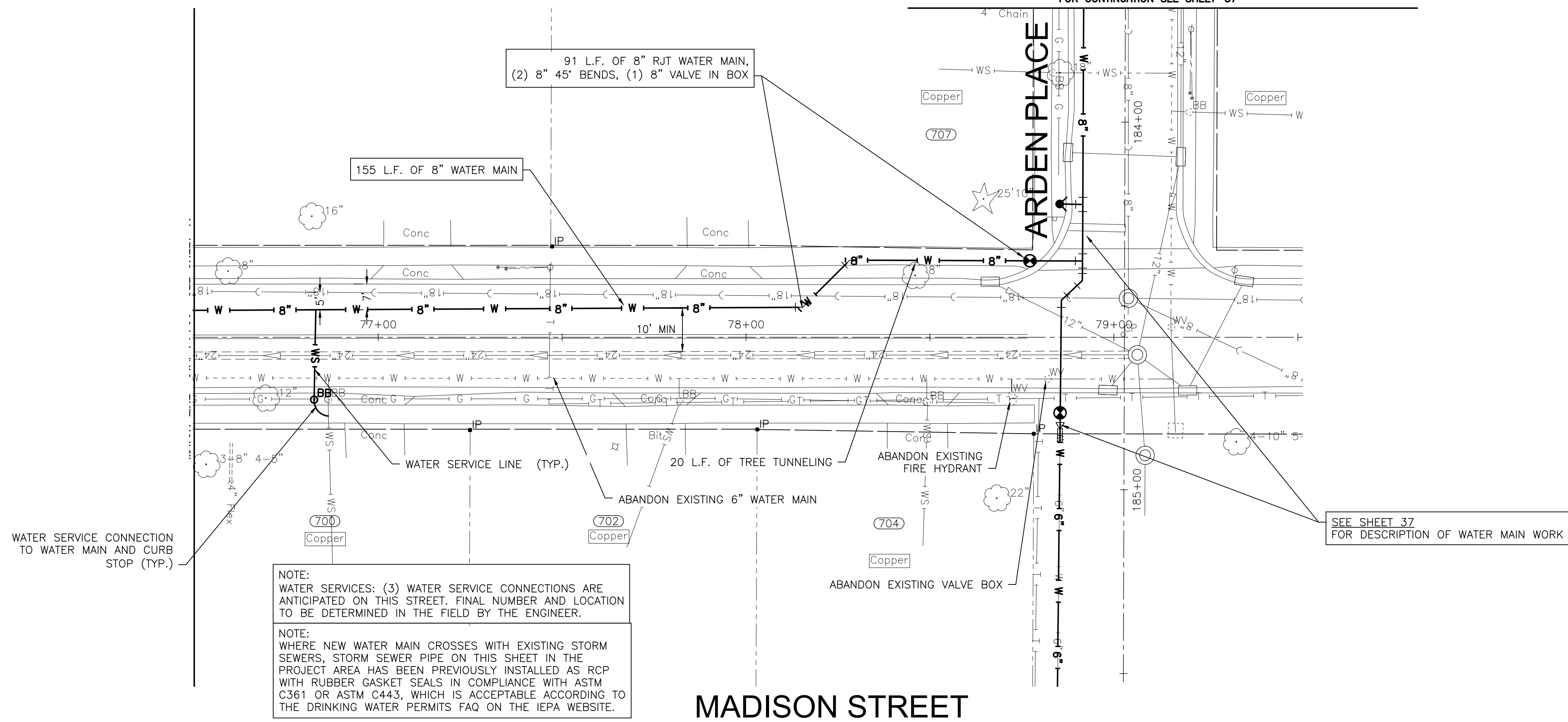
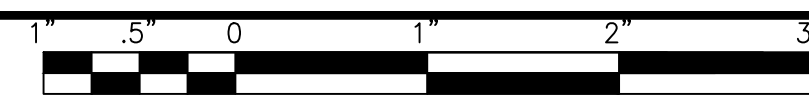
SCALE: HORIZ 1"=20' / VERT 1"=5'

PROJECT NO: 211917

DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - JJS	41	17
CHECKED - LMS		
DATE - 10/27/2022		

P:\JOLIET\211917-2023 WATER MAIN PROGRAM\CAD\BLACK ROAD ACRES PH 1\01\_CIVIL\_3D\01\_SHTS-PLANS\211917-BLACK ROAD ACRES PH 1-DESIGN.DWG MADISON STREET STA. 76+50 TO STA. 80+00 PLAN AND PROFILE  
 Plotted: 10/25/2022 1:19 PM By: JSLAGER  
 Copyright © 2022, By: Baxter & Woodman, Inc.  
 State of Illinois - Professional Design Firm  
 License No. - 184-001121 - Expires 4-30-23

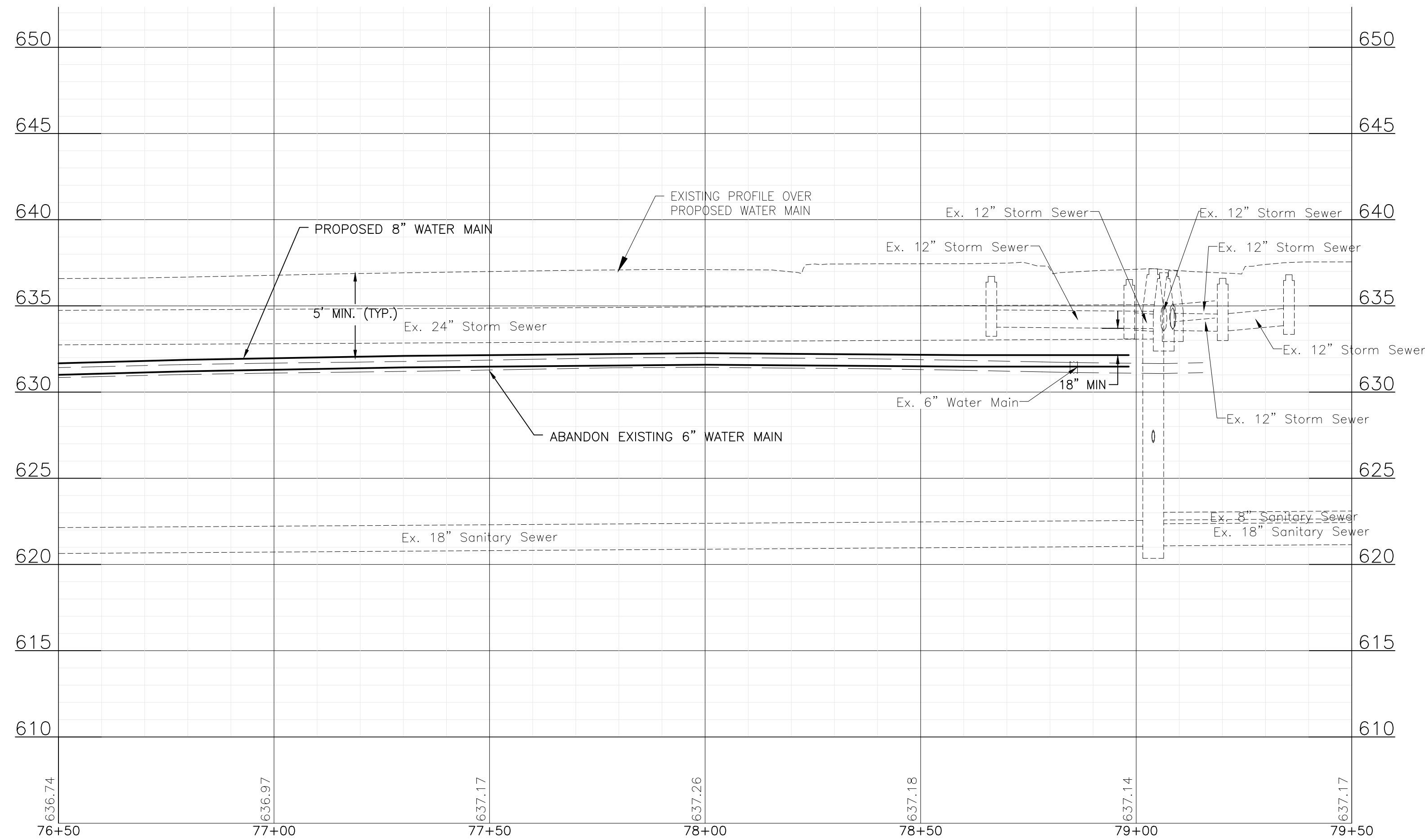
FOR CONTINUATION SEE SHEET 37



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

NOTE:  
 WHERE NEW WATER MAIN CROSSES WITH EXISTING STORM SEWERS, STORM SEWER PIPE ON THIS SHEET IN THE PROJECT AREA HAS BEEN PREVIOUSLY INSTALLED AS RCP WITH RUBBER GASKET SEALS IN COMPLIANCE WITH ASTM C361 OR ASTM C443, WHICH IS ACCEPTABLE ACCORDING TO THE DRINKING WATER PERMITS FAQ ON THE IEPA WEBSITE.

MADISON STREET



CONSULTANTS	REVISED -
	REVISED -
	REVISED -
	REVISED -

CITY OF JOLIET, ILLINOIS  
 BLACK ROAD ACRES PHASE 1 WATER MAIN IMPROVEMENTS  
 CITY OF JOLIET CONTRACT NO. 2680-0123

MADISON STREET STA. 76+50 TO STA. 80+00 PLAN AND PROFILE

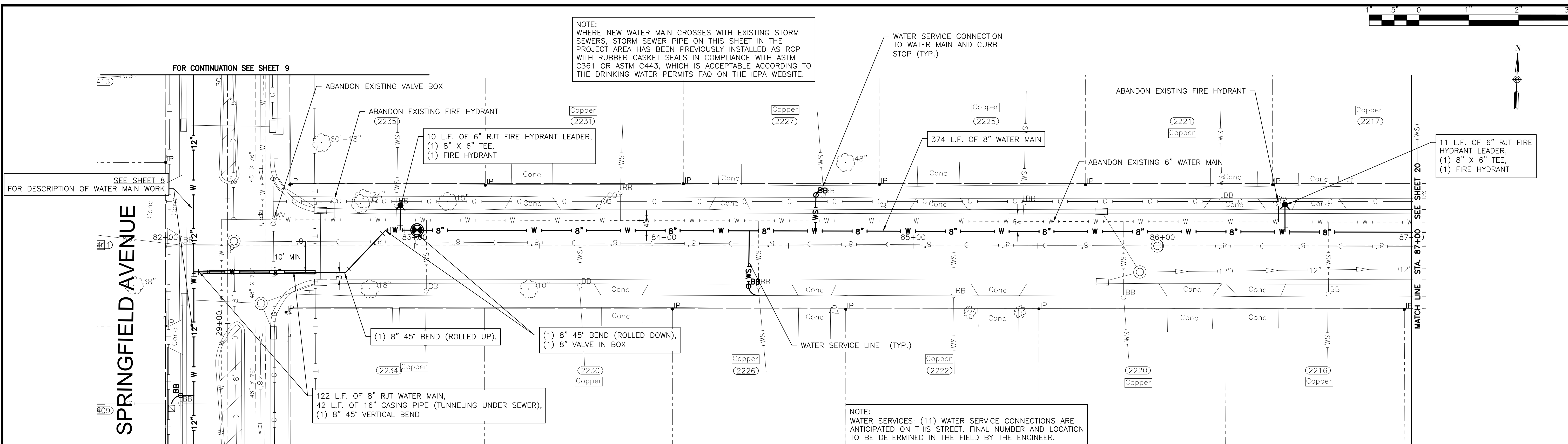
SCALE: HORIZ 1"=20' / VERT 1"=5'

PROJECT NO: 211917

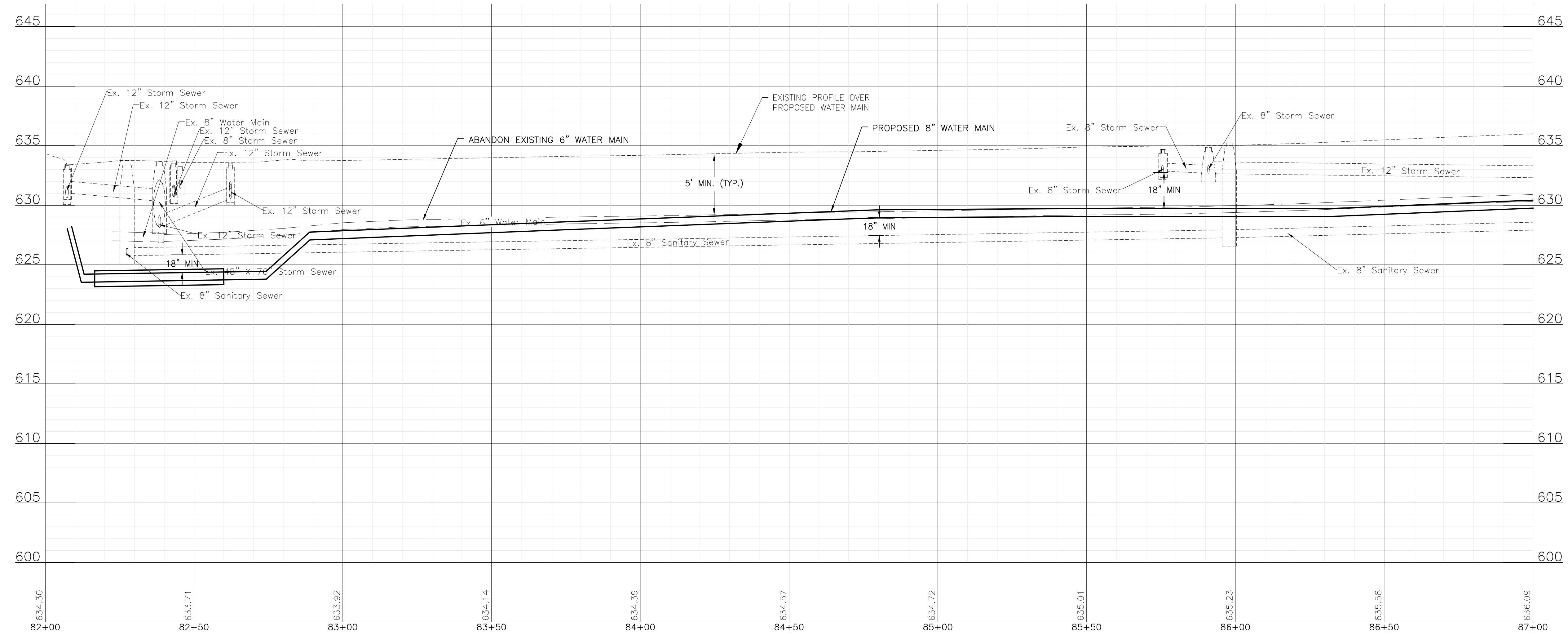
DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - JJS	41	18
CHECKED - LMS		
DATE - 10/27/2022		

FINAL DESIGN  
 FOR BIDDING

P:\JOL\211917-2023 WATER MAIN PROGRAM\CAD\BLACK ROAD ACRES PH 1\01\_CIVIL\_3D\01\_SHTS-PLANS\211917-BLACK ROAD ACRES PH1-DESIGN.DWG WEST ACRES ROAD STA. 82+00 TO STA. 87+00 PLAN AND PROFILE  
 Plotted: 10/25/2022 1:19 PM By: JSLAGER  
 Copyright © 2022, By: Baxter & Woodman, Inc.  
 State of Illinois - Professional Design Firm  
 License No. - 184-001121 - Expires 4-30-23



**WEST ACRES ROAD**



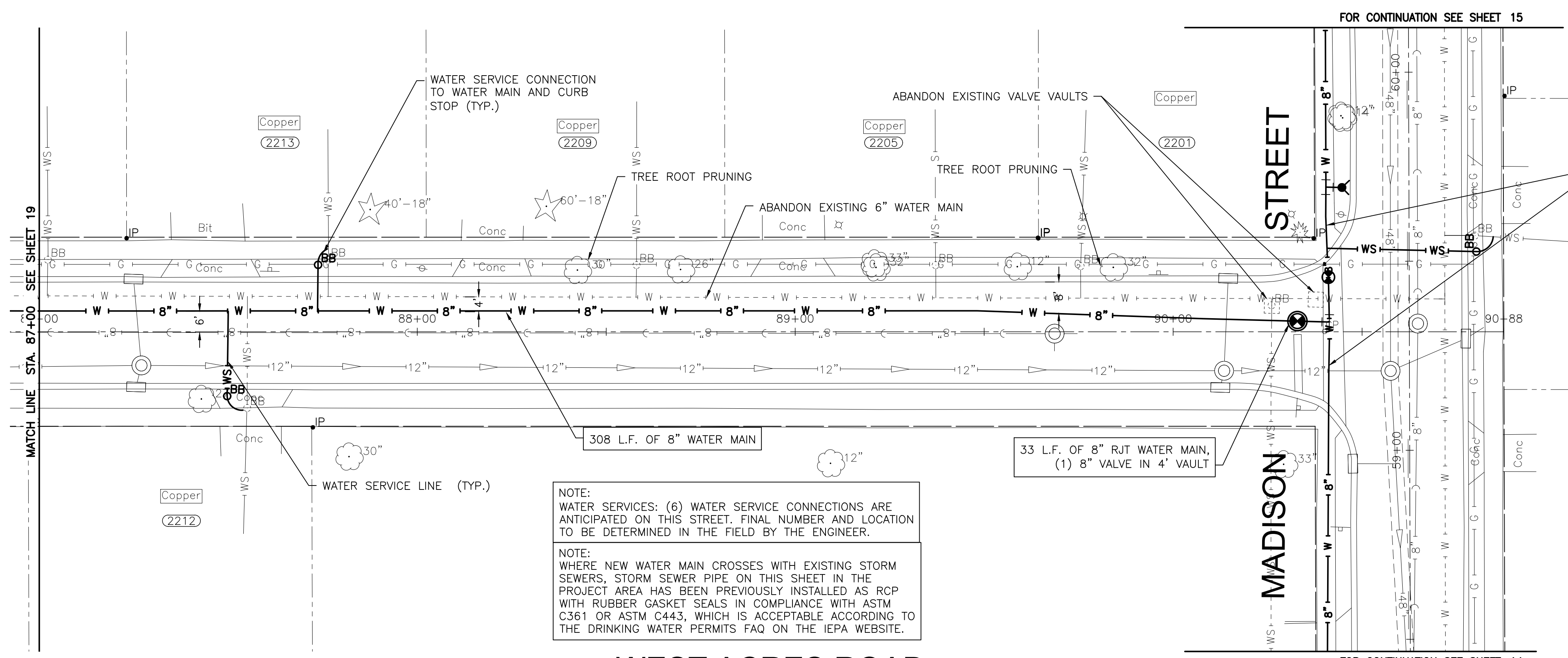
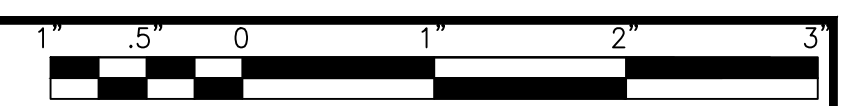
CONSULTANTS	REVISED -
	REVISED -
	REVISED -
	REVISED -

**CITY OF JOLIET, ILLINOIS**  
**BLACK ROAD ACRES PHASE 1 WATER MAIN IMPROVEMENTS**  
**CITY OF JOLIET CONTRACT NO. 2680-0123**

**WEST ACRES ROAD STA. 82+00 TO STA. 87+00 PLAN AND PROFILE**  
 SCALE: HORIZ 1"=20' / VERT 1"=5'  
 PROJECT NO: 211917

DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - JJS	41	19
CHECKED - LMS		
DATE - 10/27/2022		

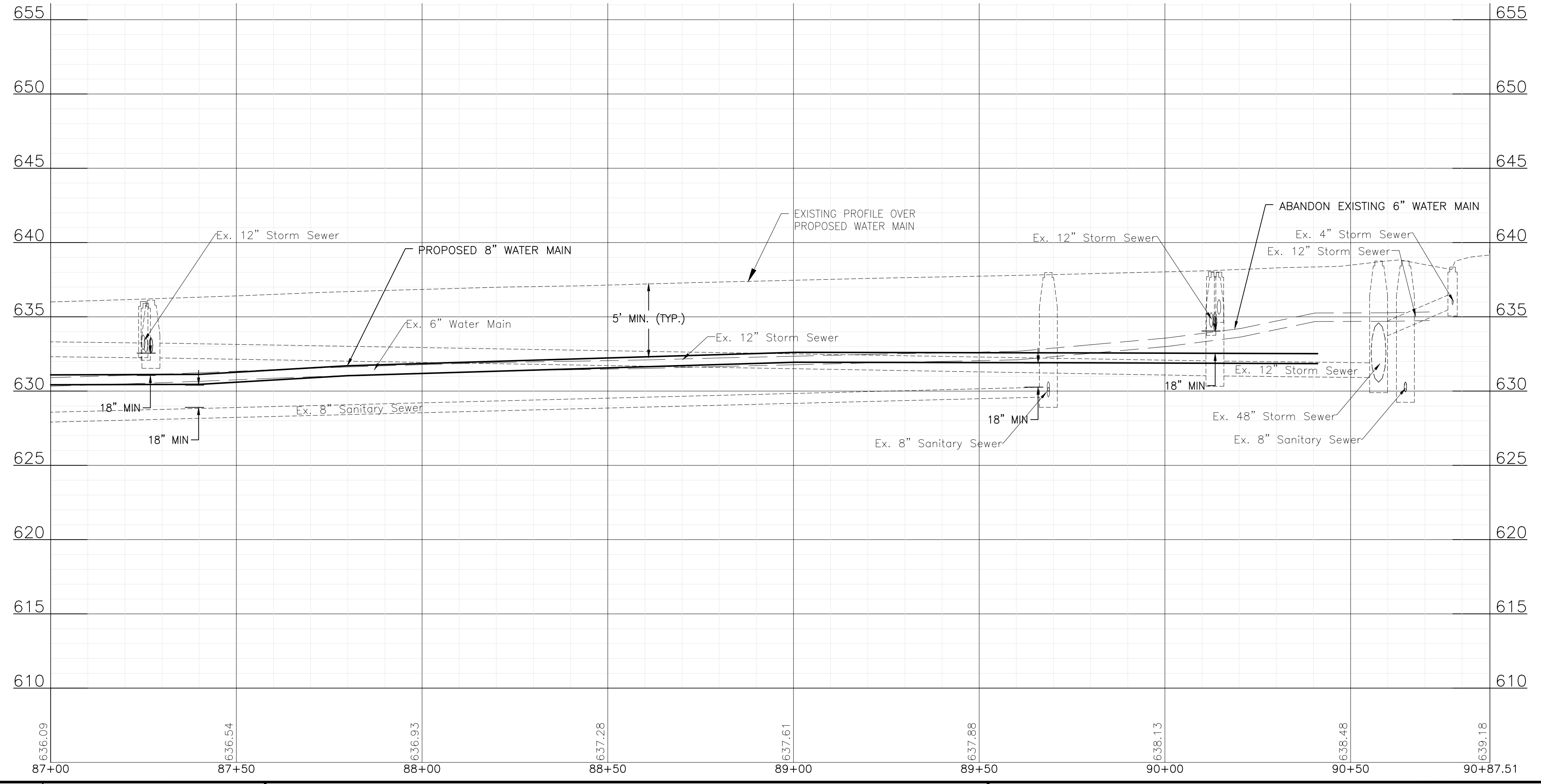
**FINAL DESIGN FOR BIDDING**



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

NOTE:  
 WHERE NEW WATER MAIN CROSSES WITH EXISTING STORM SEWERS, STORM SEWER PIPE ON THIS SHEET IN THE PROJECT AREA HAS BEEN PREVIOUSLY INSTALLED AS RCP WITH RUBBER GASKET SEALS IN COMPLIANCE WITH ASTM C361 OR ASTM C443, WHICH IS ACCEPTABLE ACCORDING TO THE DRINKING WATER PERMITS FAQ ON THE IEPA WEBSITE.

**WEST ACRES ROAD**



P:\JOL\211917-2023 WATER MAIN PROGRAM\CAD\BLACK ROAD ACRES PH 1\01\_CIVIL\_3D\01\_SHTS-PLANS\211917-BLACK ROAD ACRES PH 1-DESIGN.DWG WEST ACRES ROAD STA. 87+00 TO STA. 91+00 PLAN AND PROFILE  
 Plotted: 10/25/2022 1:19 PM By: JSLAGER  
 Copyright © 2022, By: Baxter & Woodman, Inc.  
 State of Illinois - Professional Design Firm  
 License No. - 184-001121 - Expires 4-30-23



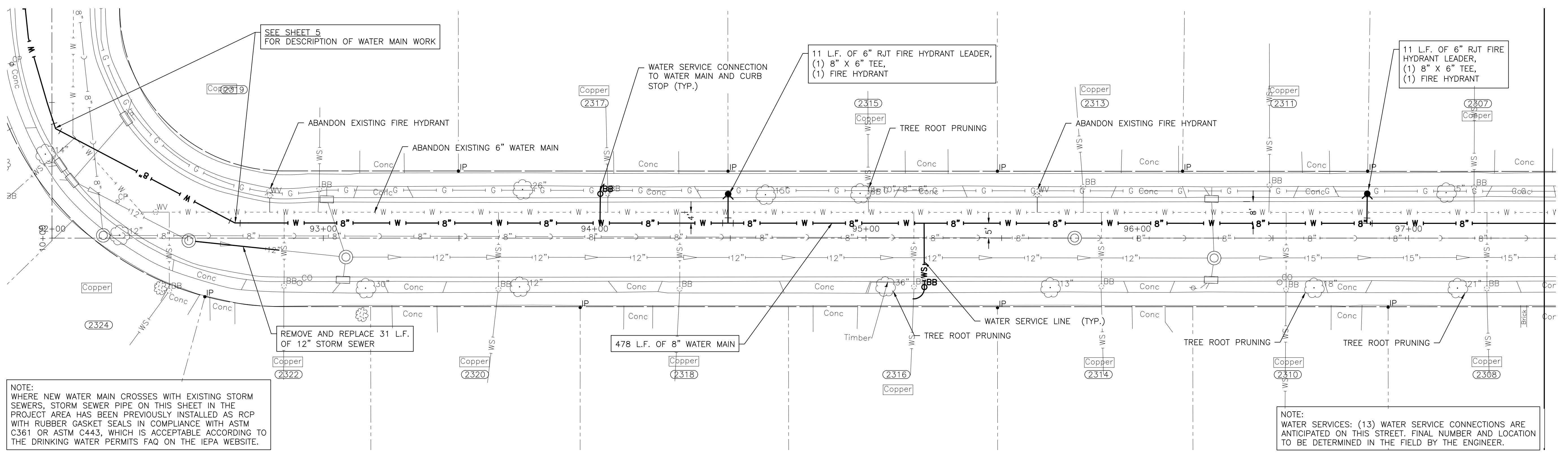
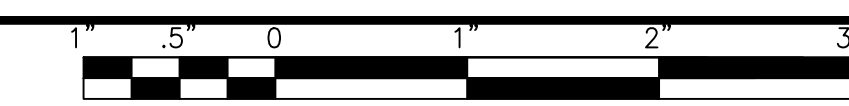
CONSULTANTS	REVISED -
	REVISED -
	REVISED -
	REVISED -

**CITY OF JOLIET, ILLINOIS**  
**BLACK ROAD ACRES PHASE 1 WATER MAIN IMPROVEMENTS**  
**CITY OF JOLIET CONTRACT NO. 2680-0123**

**WEST ACRES ROAD STA. 87+00 TO STA. 91+00 PLAN AND PROFILE**  
 SCALE: HORIZ 1"=20' / VERT 1"=5'  
 PROJECT NO: 211917

DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - JJS	41	20
CHECKED - LMS		
DATE - 10/27/2022		

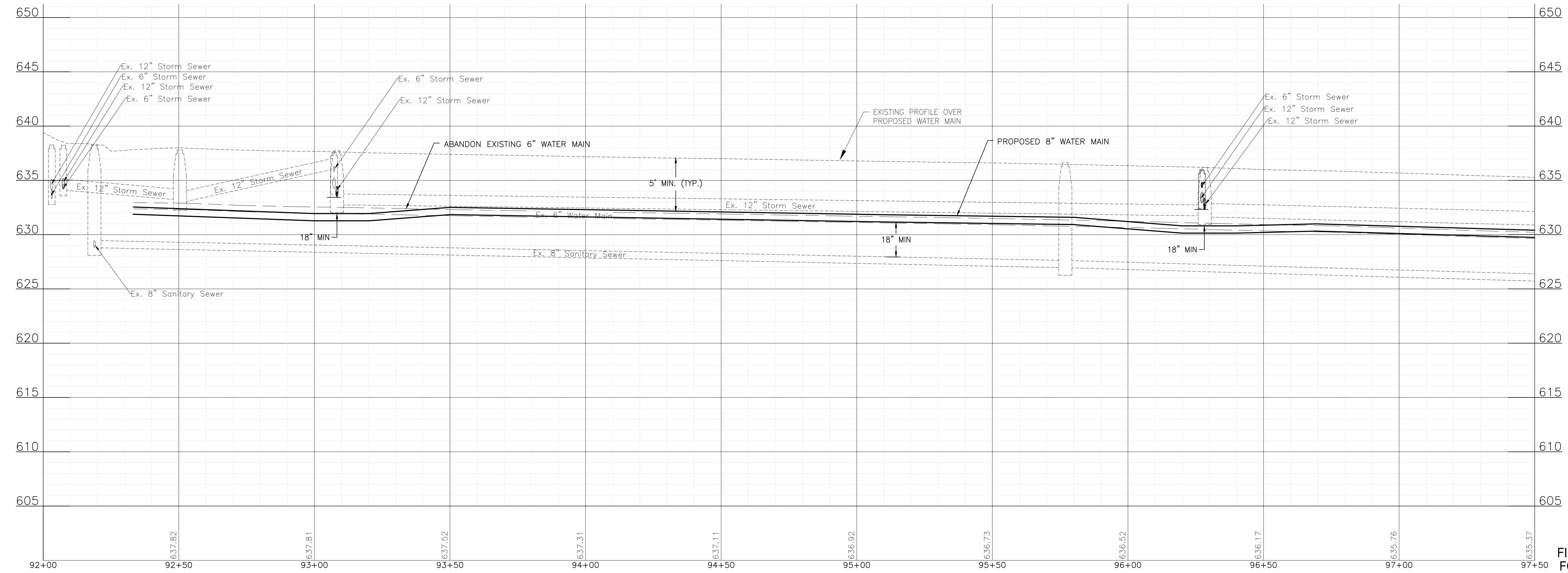
**FINAL DESIGN FOR BIDDING**



NOTE:  
WHERE NEW WATER MAIN CROSSES WITH EXISTING STORM SEWERS, STORM SEWER PIPE ON THIS SHEET IN THE PROJECT AREA HAS BEEN PREVIOUSLY INSTALLED AS RCP WITH RUBBER GASKET SEALS IN COMPLIANCE WITH ASTM C361 OR ASTM C443, WHICH IS ACCEPTABLE ACCORDING TO THE DRINKING WATER PERMITS FAQ ON THE IEPA WEBSITE.

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

### TAYLOR STREET



FINAL DESIGN FOR BIDDING

P:\JOL\211917-2023 WATER MAIN PROGRAM\CAD\BLACK ROAD ACRES PH 1\01\_CIVIL\_3D\01\_SHTS-PLANS\211917-BLACK ROAD ACRES PH 1-DESIGN.DWG TAYLOR STREET STA. 92+00 TO STA. 97+50 PLAN AND PROFILE  
 Plotted: 10/25/2022 1:20 PM By: JSLAGER  
 Copyright © 2022, By: Baxter & Woodman, Inc.  
 State of Illinois - Professional Design Firm  
 License No. - 184-001121 - Expires 4-30-23



CONSULTANTS	REVISED -
	REVISED -
	REVISED -
	REVISED -

**CITY OF JOLIET, ILLINOIS**  
**BLACK ROAD ACRES PHASE 1 WATER MAIN IMPROVEMENTS**  
**CITY OF JOLIET CONTRACT NO. 2680-0123**

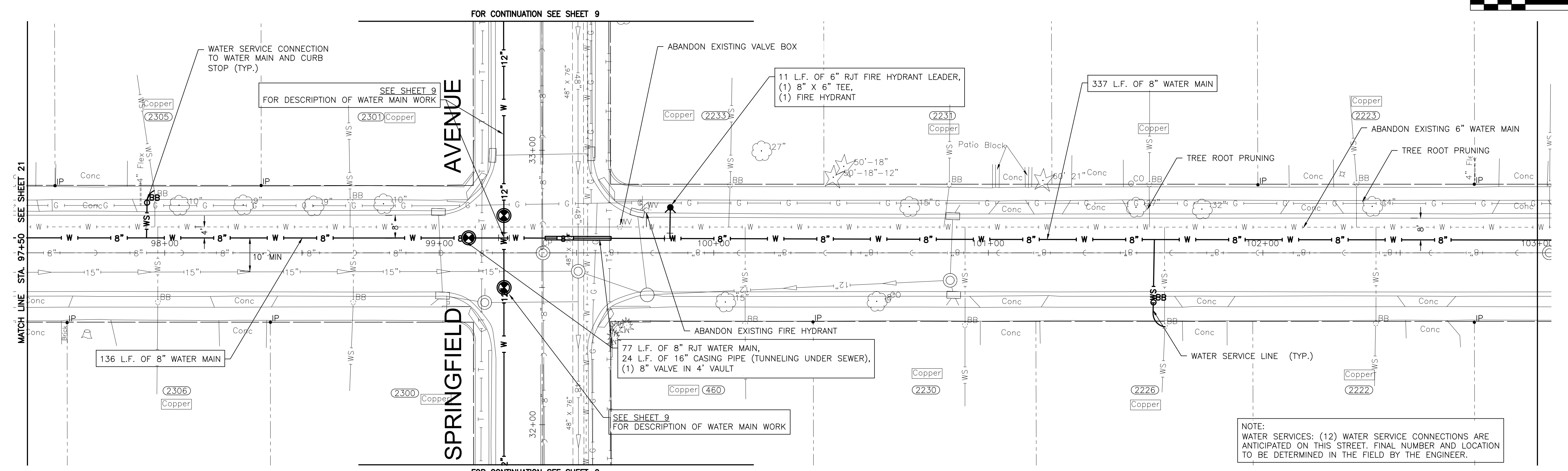
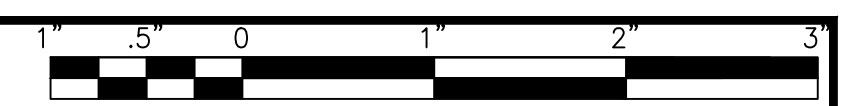
**TAYLOR STREET STA. 92+00 TO STA. 97+50 PLAN AND PROFILE**

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

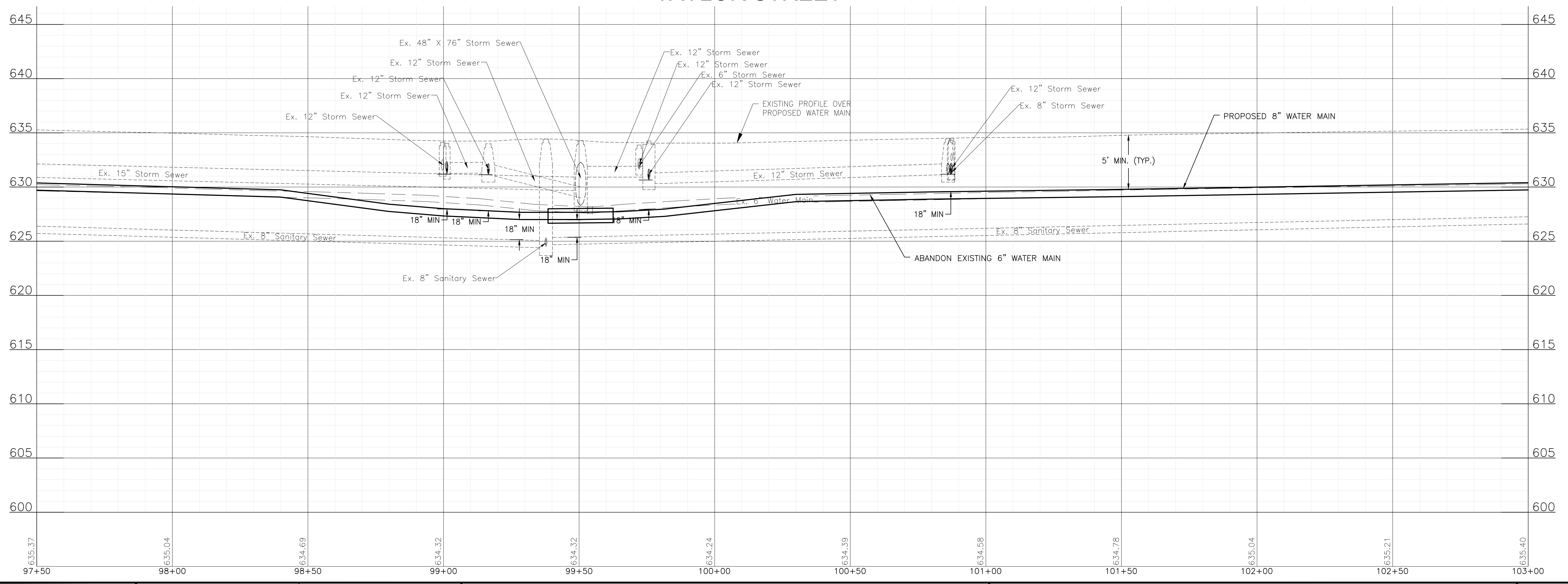
PROJECT NO: 211917

DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - JJS	41	21
CHECKED - LMS		
DATE - 10/27/2022		

P:\JOLTC\211917-2023 WATER MAIN PROGRAM\CAD\BLACK ROAD ACRES PH 1\01\_CIVIL\_3D\01\_SHTS-PLANS\211917-BLACK ROAD ACRES PH 1-DESIGN.DWG TAYLOR STREET STA. 97+50 TO STA. 103+00 PLAN AND PROFILE  
 Plotted: 10/25/2022 1:20 PM By: JSLAGER  
 Copyright © 2022, By: Baxter & Woodman, Inc.  
 State of Illinois - Professional Design Firm  
 License No. - 184-001121 - Expires 4-30-23



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



FINAL DESIGN FOR BIDDING



CONSULTANTS	REVISED -
	REVISED -
	REVISED -
	REVISED -

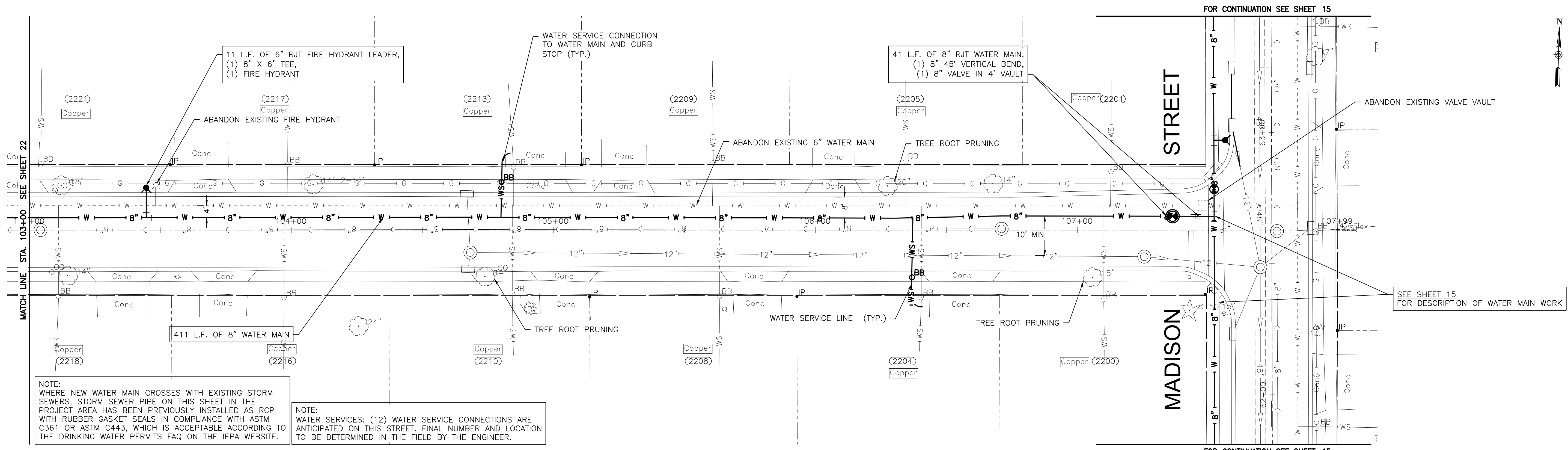
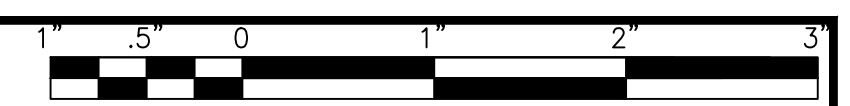
CITY OF JOLIET, ILLINOIS  
 BLACK ROAD ACRES PHASE 1 WATER MAIN IMPROVEMENTS  
 CITY OF JOLIET CONTRACT NO. 2680-0123

TAYLOR STREET STA. 97+50 TO STA. 103+00 PLAN AND PROFILE

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

PROJECT NO: 211917

DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - JJS	41	22
CHECKED - LMS		
DATE - 10/27/2022		

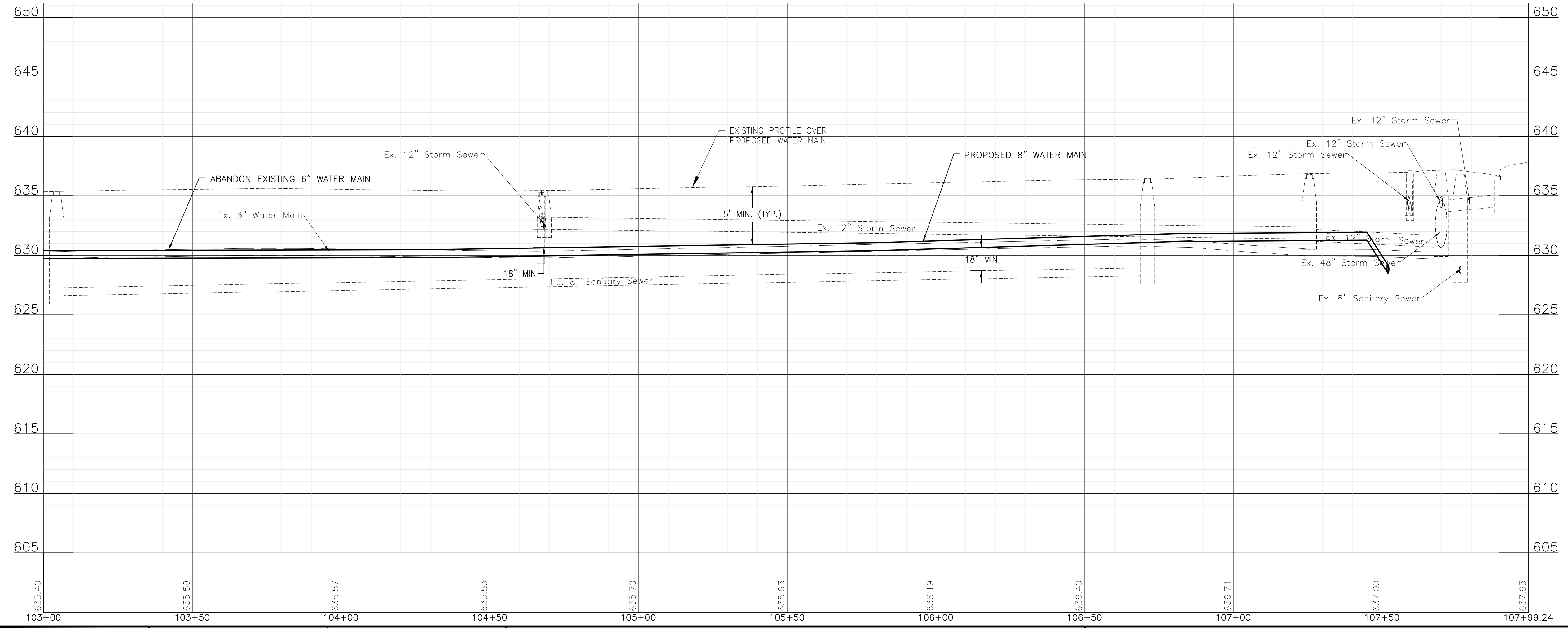


NOTE:  
WHERE NEW WATER MAIN CROSSES WITH EXISTING STORM SEWERS, STORM SEWER PIPE ON THIS SHEET IN THE PROJECT AREA HAS BEEN PREVIOUSLY INSTALLED AS RCP WITH RUBBER GASKET SEALS IN COMPLIANCE WITH ASTM C361 OR ASTM C443, WHICH IS ACCEPTABLE ACCORDING TO THE DRINKING WATER PERMITS FAQ ON THE IEPA WEBSITE.

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

SEE SHEET 15 FOR DESCRIPTION OF WATER MAIN WORK

### TAYLOR STREET



P:\JOL\211917-2023 WATER MAIN PROGRAM\CAD\BLACK ROAD ACRES PH 1\01\_CIVIL\_3D\01\_SHTS-PLANS\211917-BLACK ROAD ACRES PH 1-DESIGN.DWG TAYLOR STREET STA. 103+00 TO STA. 108+00 PLAN AND PROFILE  
 Plotted: 10/25/2022 1:20 PM By: JSLAGER  
 Copyright © 2022, By: Baxter & Woodman, Inc.  
 State of Illinois - Professional Design Firm  
 License No. - 184-001121 - Expires 4-30-23



CONSULTANTS	REVISED -
	REVISED -
	REVISED -
	REVISED -

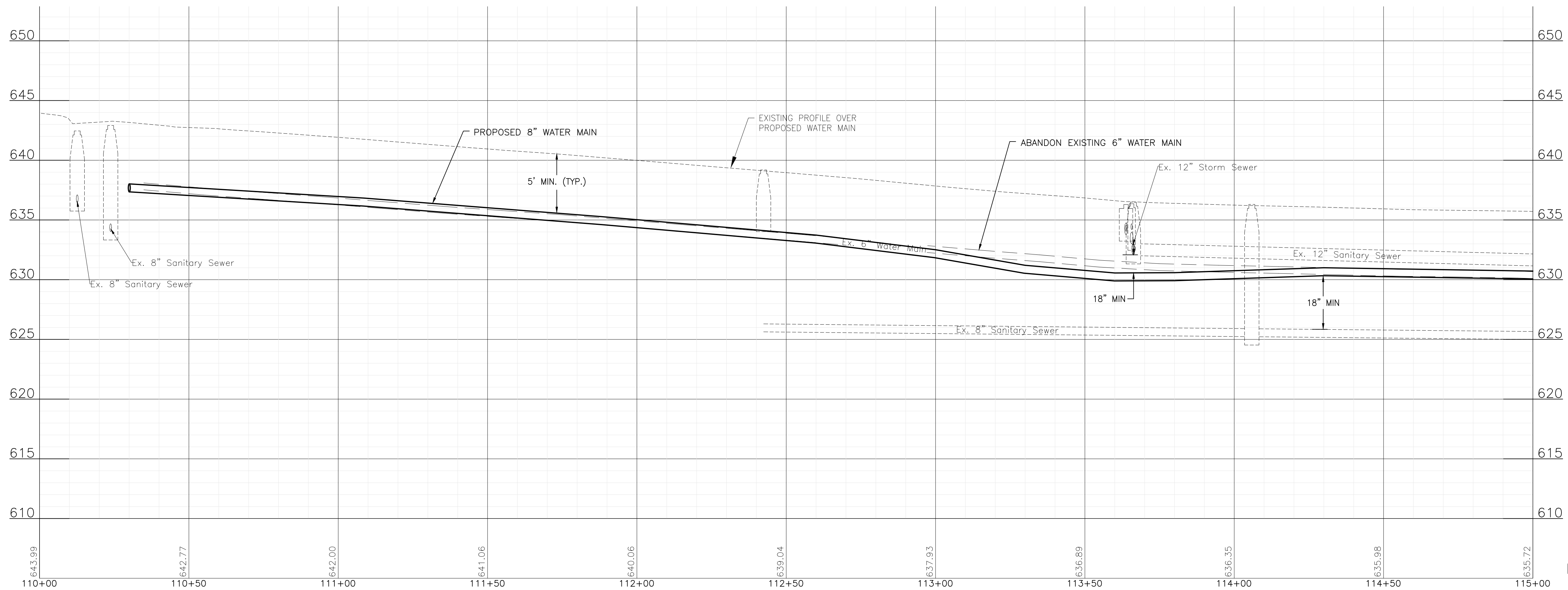
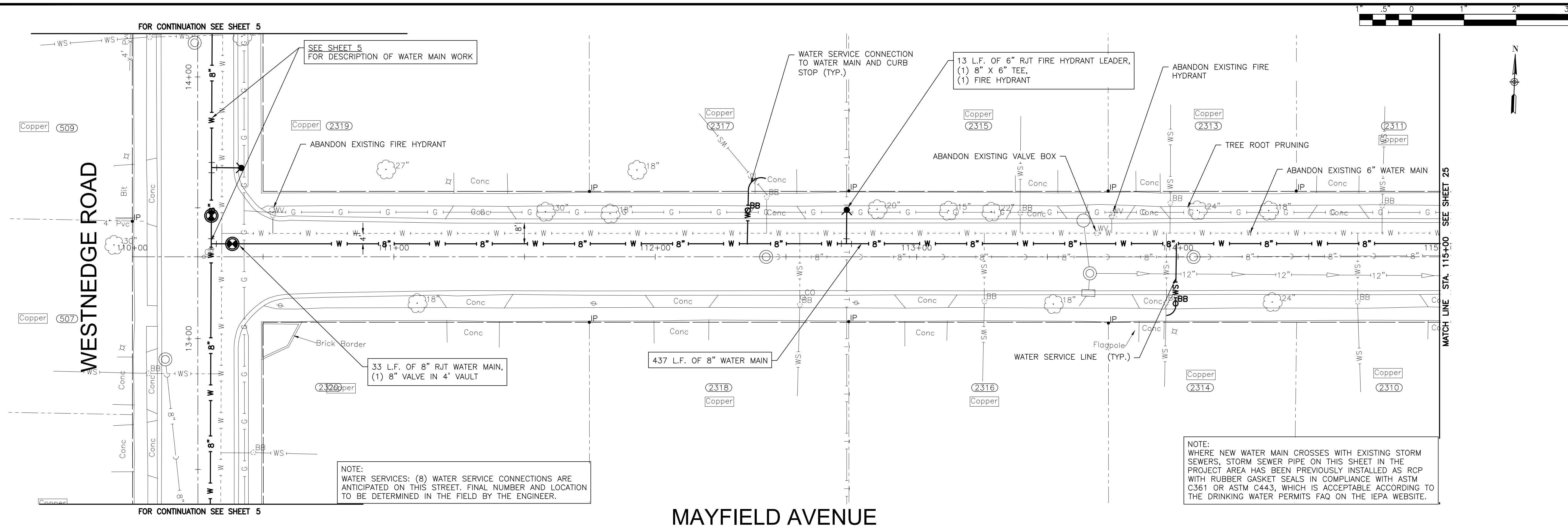
**CITY OF JOLIET, ILLINOIS**  
**BLACK ROAD ACRES PHASE 1 WATER MAIN IMPROVEMENTS**  
**CITY OF JOLIET CONTRACT NO. 2680-0123**

**TAYLOR STREET STA. 103+00 TO STA. 108+00 PLAN AND PROFILE**  
 SCALE: HORIZ 1"=20' / VERT 1"=5'  
 PROJECT NO: 211917

DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - JJS	41	23
CHECKED - LMS		
DATE - 10/27/2022		

FINAL DESIGN FOR BIDDING

P:\JOL\211917-2023 WATER MAIN PROGRAM\CAD\BLACK ROAD ACRES PH 1\01\_CIVIL\_3D\01\_SHTS-PLANS\211917-BLACK ROAD ACRES PH1-DESIGN.DWG MAYFIELD AVENUE STA. 110+00 TO STA. 115+00 PLAN AND PROFILE  
 Plotted: 10/25/2022 1:20 PM By: JSLAGER  
 Copyright © 2022, By: Baxter & Woodman, Inc.  
 State of Illinois - Professional Design Firm  
 License No. - 184-001121 - Expires 4-30-23



FINAL DESIGN  
FOR BIDDING



CONSULTANTS	REVISED -
	REVISED -
	REVISED -
	REVISED -

CITY OF JOLIET, ILLINOIS  
 BLACK ROAD ACRES PHASE 1 WATER MAIN IMPROVEMENTS  
 CITY OF JOLIET CONTRACT NO. 2680-0123

MAYFIELD AVENUE STA. 110+00 TO STA. 115+00 PLAN AND PROFILE

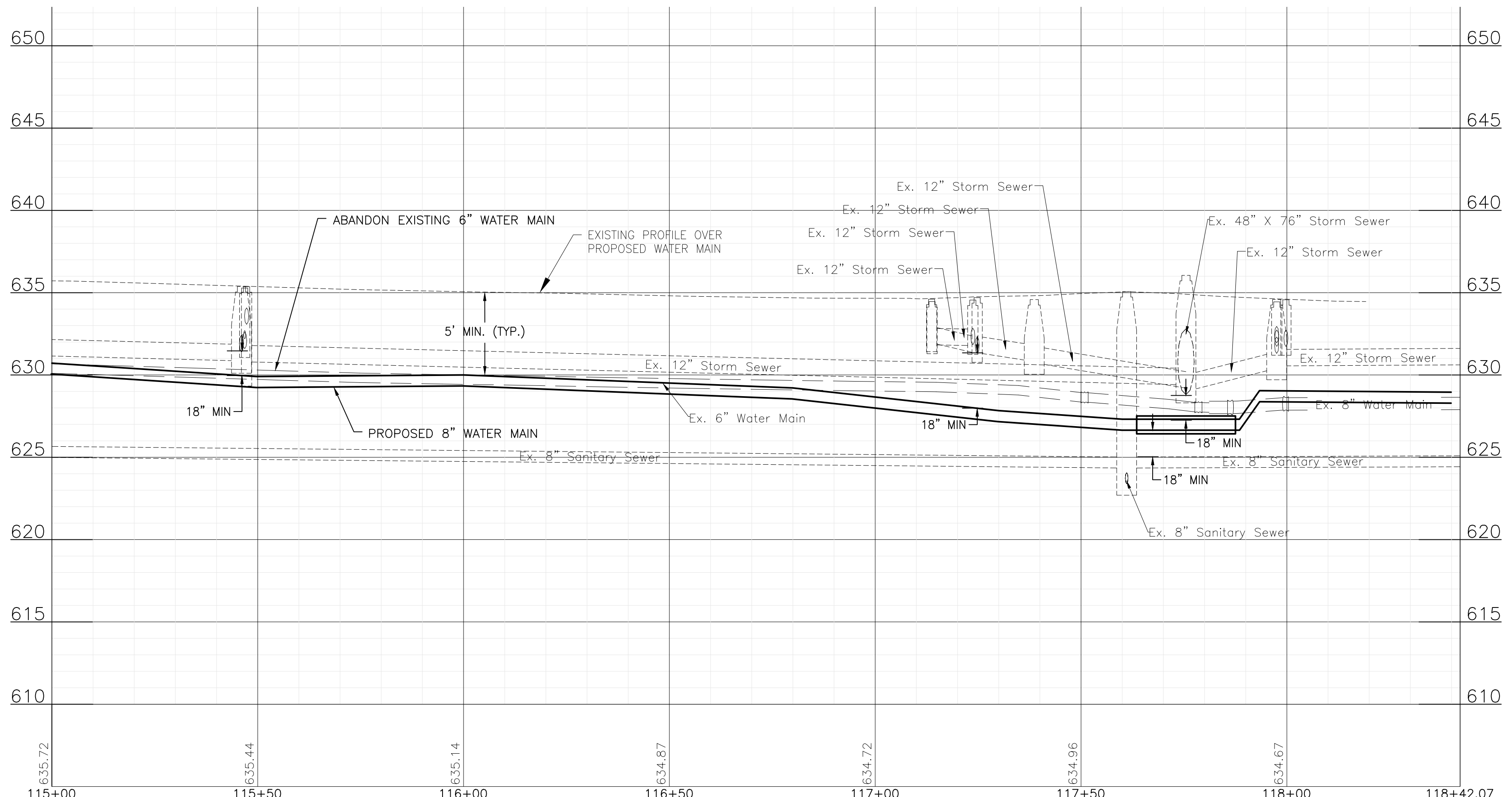
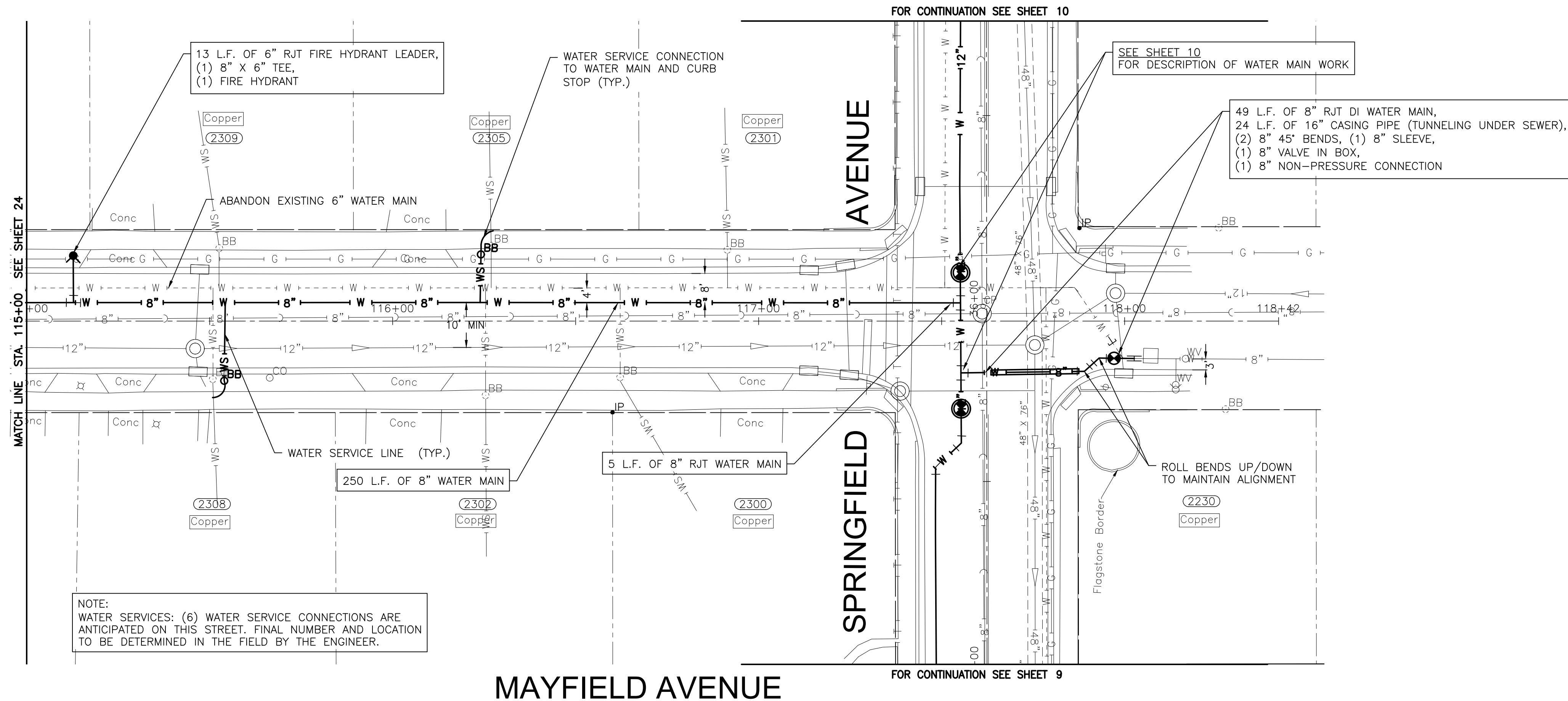
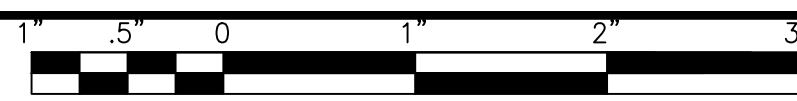
SCALE: HORIZ 1"=20' / VERT 1"=5'

PROJECT NO: 211917

DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - JJS	41	24
CHECKED - LMS		
DATE - 10/27/2022		



P:\JOL\211917-2023 WATER MAIN PROGRAM\CAD\BLACK ROAD ACRES PH 1\01\_CIVIL\_3D\01\_SHTS-PLANS\211917-BLACK ROAD ACRES PH1-DESIGN.DWG MAYFIELD AVENUE STA. 115+00 TO STA. 119+00 PLAN AND PROFILE  
 Plotted: 10/25/2022 1:21 PM By: JSLAGER  
 Copyright © 2022, By: Baxter & Woodman, Inc.  
 State of Illinois - Professional Design Firm  
 License No. - 184-001121 - Expires 4-30-23



CONSULTANTS	REVISED -
	REVISED -
	REVISED -
	REVISED -

**CITY OF JOLIET, ILLINOIS**  
**BLACK ROAD ACRES PHASE 1 WATER MAIN IMPROVEMENTS**  
**CITY OF JOLIET CONTRACT NO. 2680-0123**

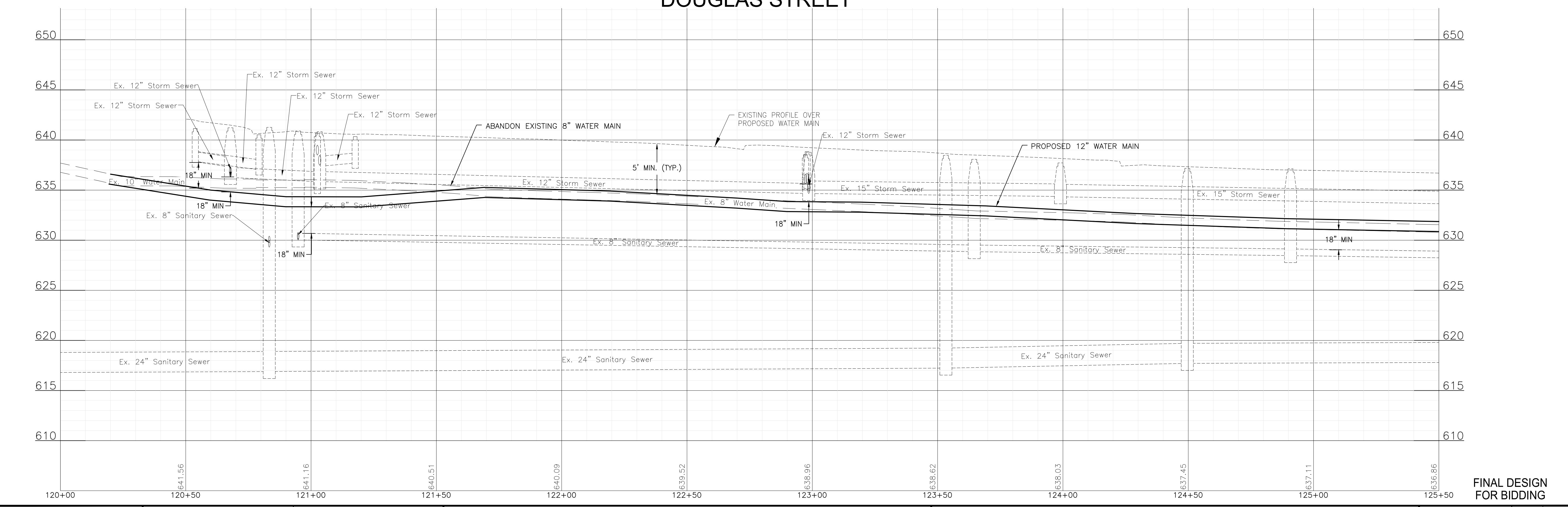
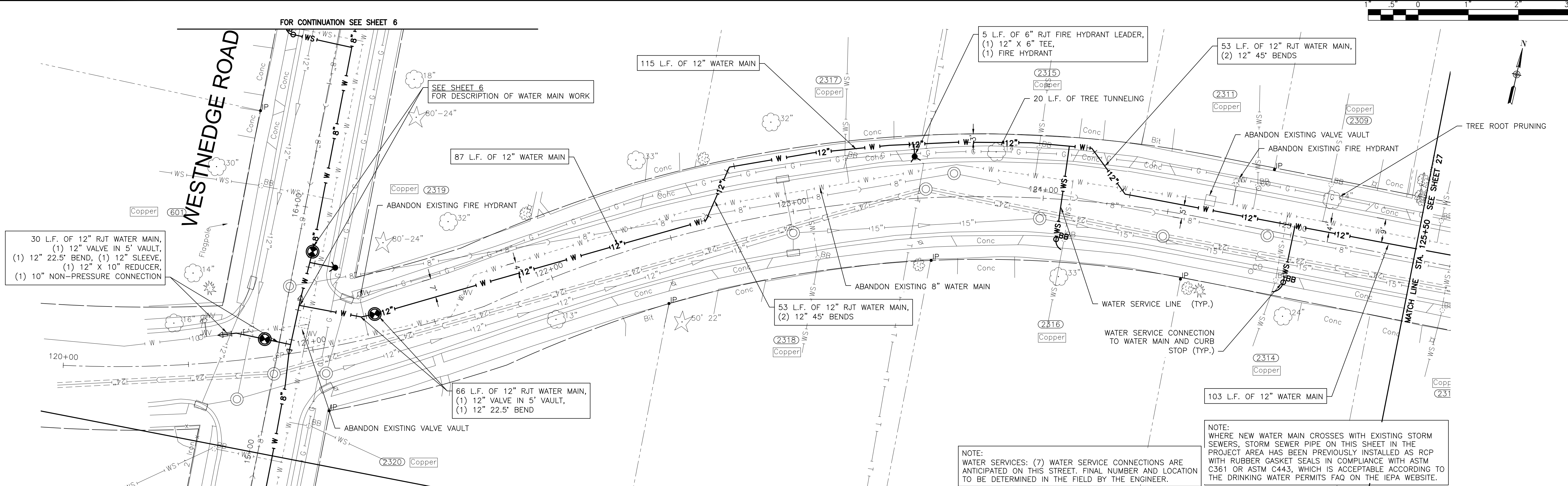
**MAYFIELD AVENUE STA. 115+00 TO STA. 119+00 PLAN AND PROFILE**

SCALE: HORIZ 1"=20' / VERT 1"=5'  
 PROJECT NO: 211917

DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - JJS	41	25
CHECKED - LMS		
DATE - 10/27/2022		

FINAL DESIGN  
FOR BIDDING

P:\JOLTC\211917-2023 WATER MAIN PROGRAM\CAD\BLACK ROAD ACRES PH 1\01\_CIVIL\_3D\01\_SHTS-PLANS\211917-BLACK ROAD ACRES PH1-DESIGN.DWG DOUGLAS STREET STA. 120+00 TO STA. 125+50 PLAN AND PROFILE  
 Plotted: 10/25/2022 1:21 PM By: JSLAGER  
 Copyright © 2022, By: Baxter & Woodman, Inc.  
 State of Illinois - Professional Design Firm  
 License No. - 184-001121 - Expires 4-30-23



CONSULTANTS	REVISED -
	REVISED -
	REVISED -
	REVISED -

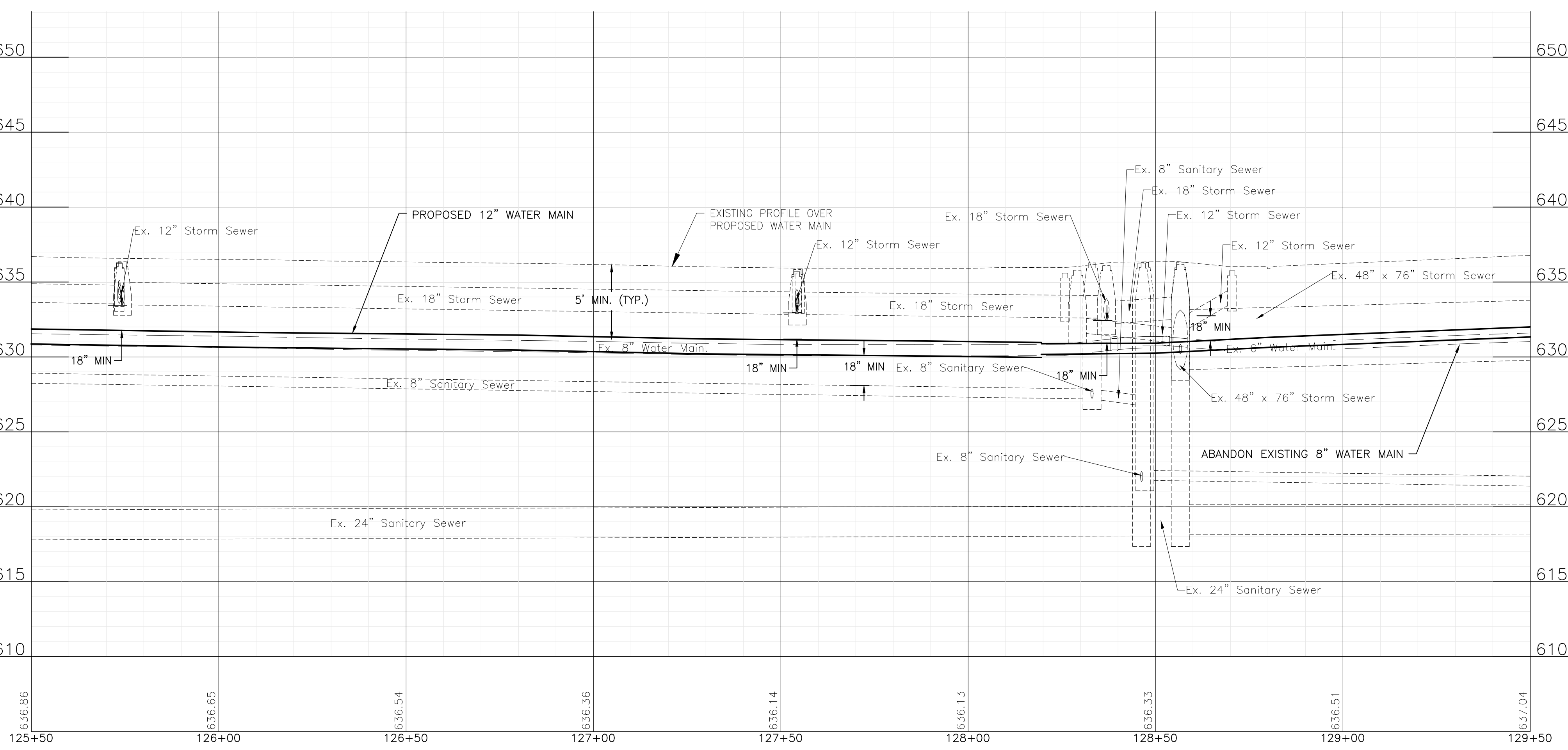
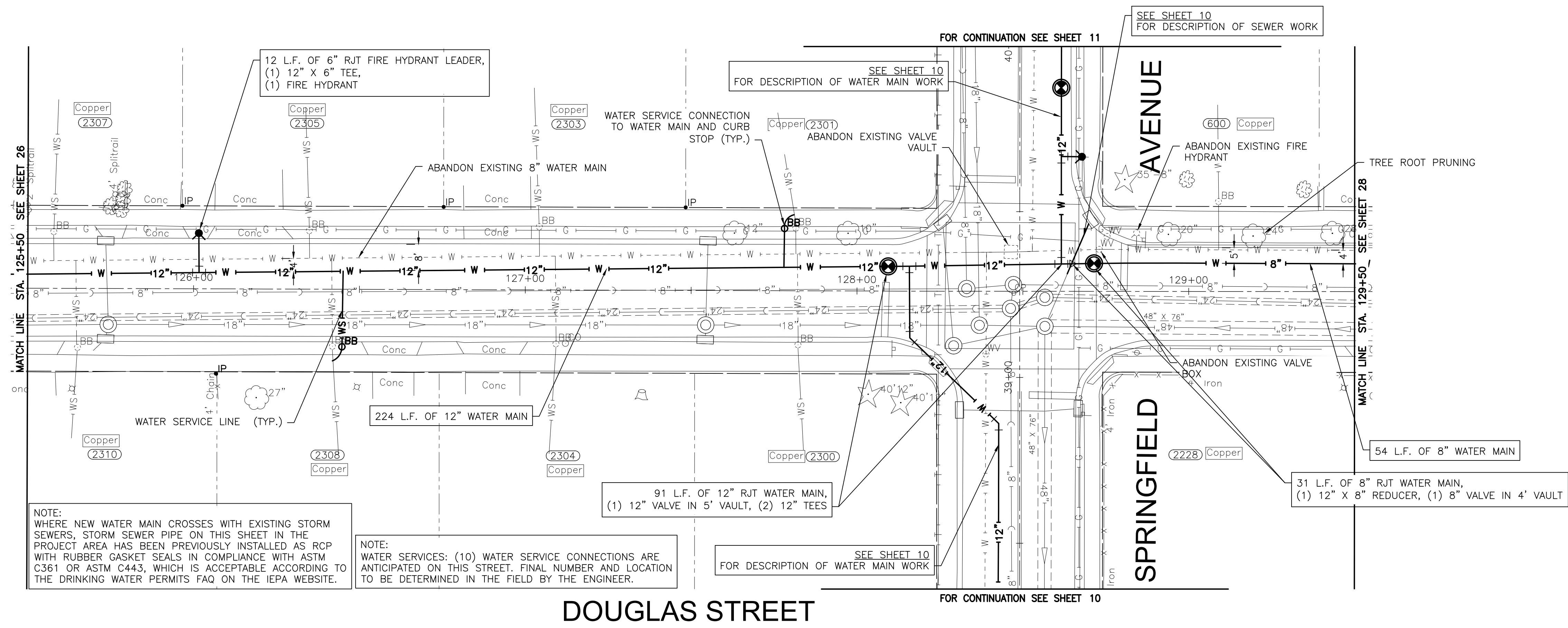
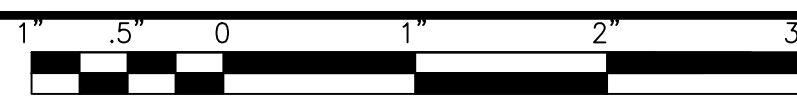
**CITY OF JOLIET, ILLINOIS**  
**BLACK ROAD ACRES PHASE 1 WATER MAIN IMPROVEMENTS**  
**CITY OF JOLIET CONTRACT NO. 2680-0123**

**DOUGLAS STREET STA. 120+00 TO STA. 125+50 PLAN AND PROFILE**

SCALE: HORIZ 1"=20' / VERT 1"=5'  
 PROJECT NO: 211917

DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - JJS	41	26
CHECKED - LMS		
DATE - 10/27/2022		

FINAL DESIGN  
FOR BIDDING



P:\JOL\211917-2023 WATER MAIN PROGRAM\CAD\BLACK ROAD ACRES PH 1\01\_CIVIL\_3D\01\_SHTS-PLANS\211917-BLACK ROAD ACRES PH 1-DESIGN.DWG DOUGLAS STREET STA. 125+50 TO STA. 129+50 PLAN AND PROFILE  
 Plotted: 10/25/2022 1:21 PM By: JSLAGER  
 Copyright © 2022, By: Baxter & Woodman, Inc.  
 State of Illinois - Professional Design Firm  
 License No. - 184-001121 - Expires 4-30-23



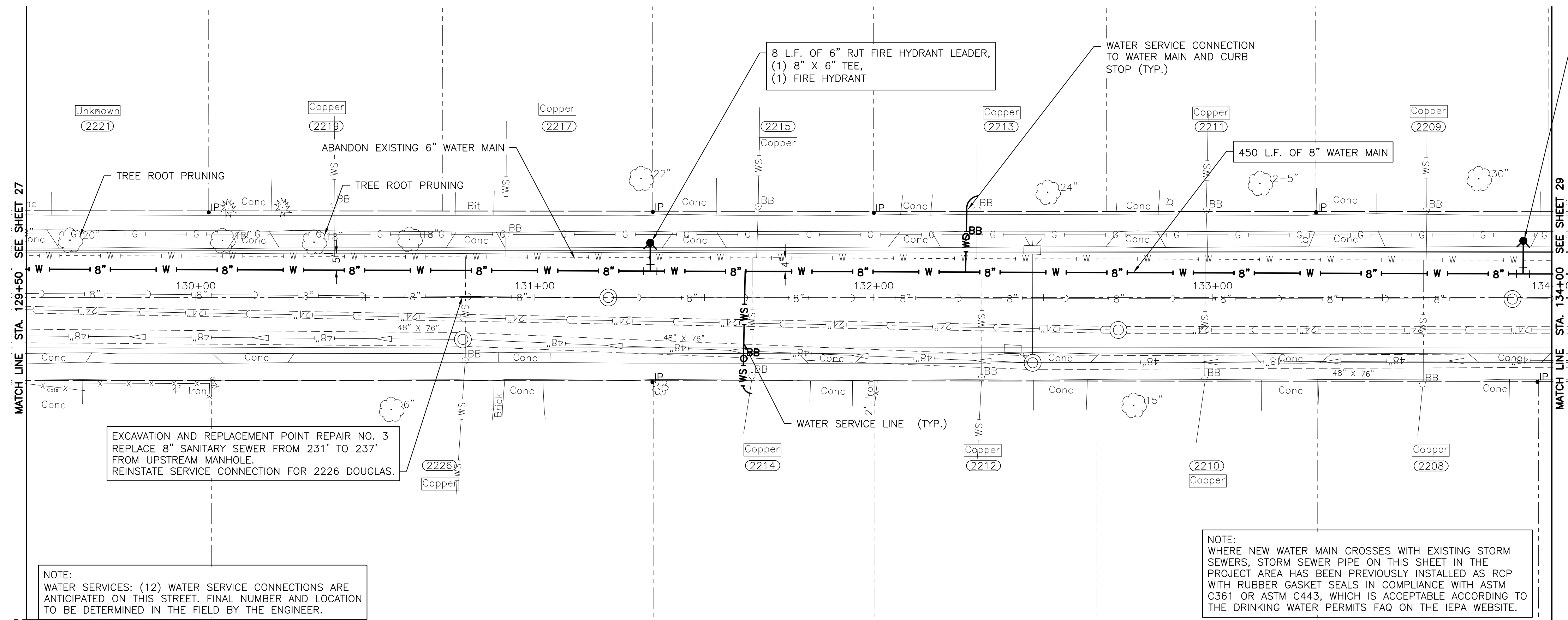
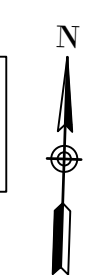
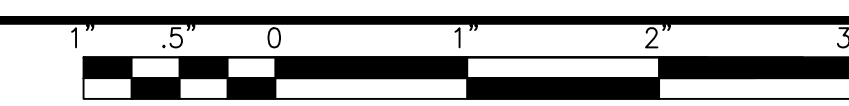
CONSULTANTS	REVISED -
	REVISED -
	REVISED -
	REVISED -

**CITY OF JOLIET, ILLINOIS**  
**BLACK ROAD ACRES PHASE 1 WATER MAIN IMPROVEMENTS**  
**CITY OF JOLIET CONTRACT NO. 2680-0123**

**DOUGLAS STREET STA. 125+50 TO STA. 129+50 PLAN AND PROFILE**  
 SCALE: HORIZ 1"=20' / VERT 1"=5'  
 PROJECT NO: 211917

DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - JJS	41	27
CHECKED - LMS		
DATE - 10/27/2022		

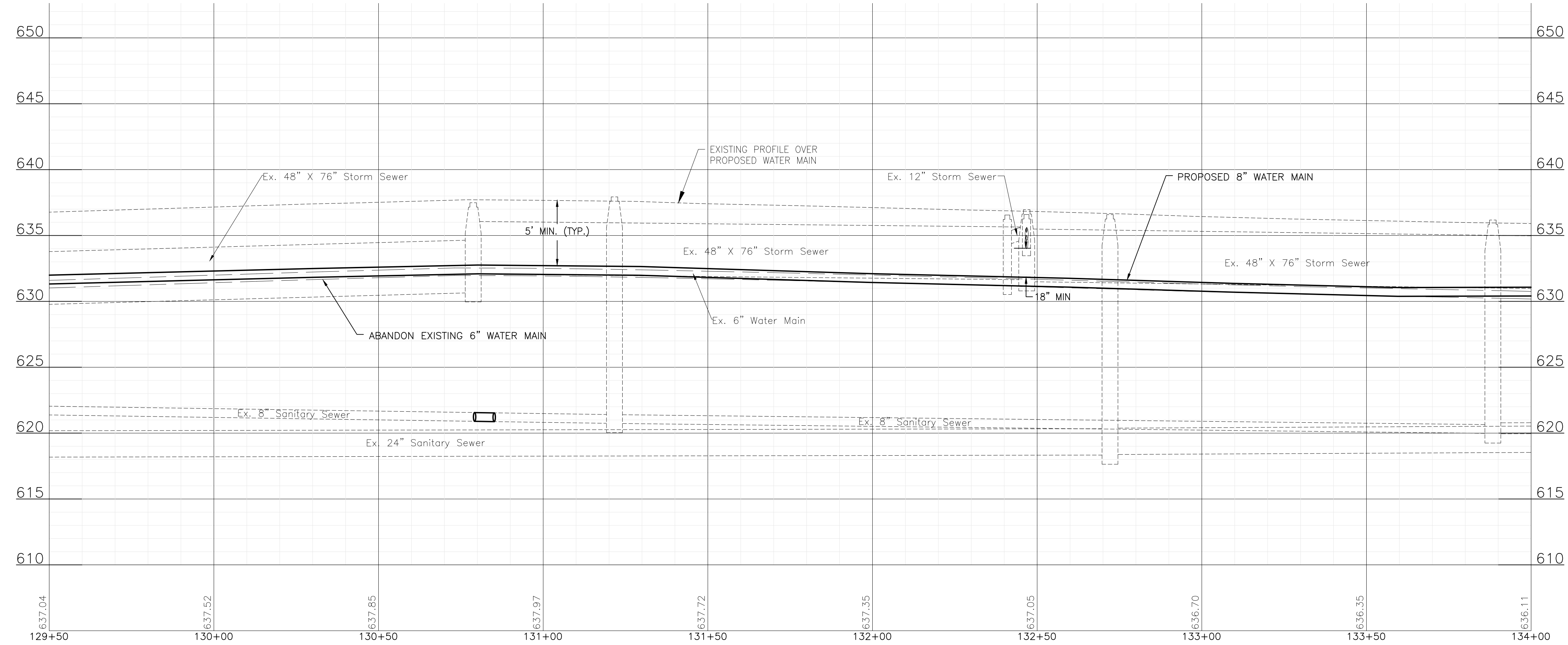
**FINAL DESIGN FOR BIDDING**



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

NOTE:  
WHERE NEW WATER MAIN CROSSES WITH EXISTING STORM SEWERS, STORM SEWER PIPE ON THIS SHEET IN THE PROJECT AREA HAS BEEN PREVIOUSLY INSTALLED AS RCP WITH RUBBER GASKET SEALS IN COMPLIANCE WITH ASTM C361 OR ASTM C443, WHICH IS ACCEPTABLE ACCORDING TO THE DRINKING WATER PERMITS FAQ ON THE IEPA WEBSITE.

### DOUGLAS STREET



P:\JOLI\211917-2023 WATER MAIN PROGRAM\CAD\BLACK ROAD ACRES PH 1\01\_CIVIL\_3D\01\_SHTS-PLANS\211917-BLACK ROAD ACRES PH 1-DESIGN.DWG DOUGLAS STREET STA. 129+50 TO STA. 134+00 PLAN AND PROFILE  
 Plotted: 10/25/2022 1:21 PM By: JSLAGER  
 Copyright © 2022, By: Baxter & Woodman, Inc.  
 State of Illinois - Professional Design Firm  
 License No. - 184-001121 - Expires 4-30-23



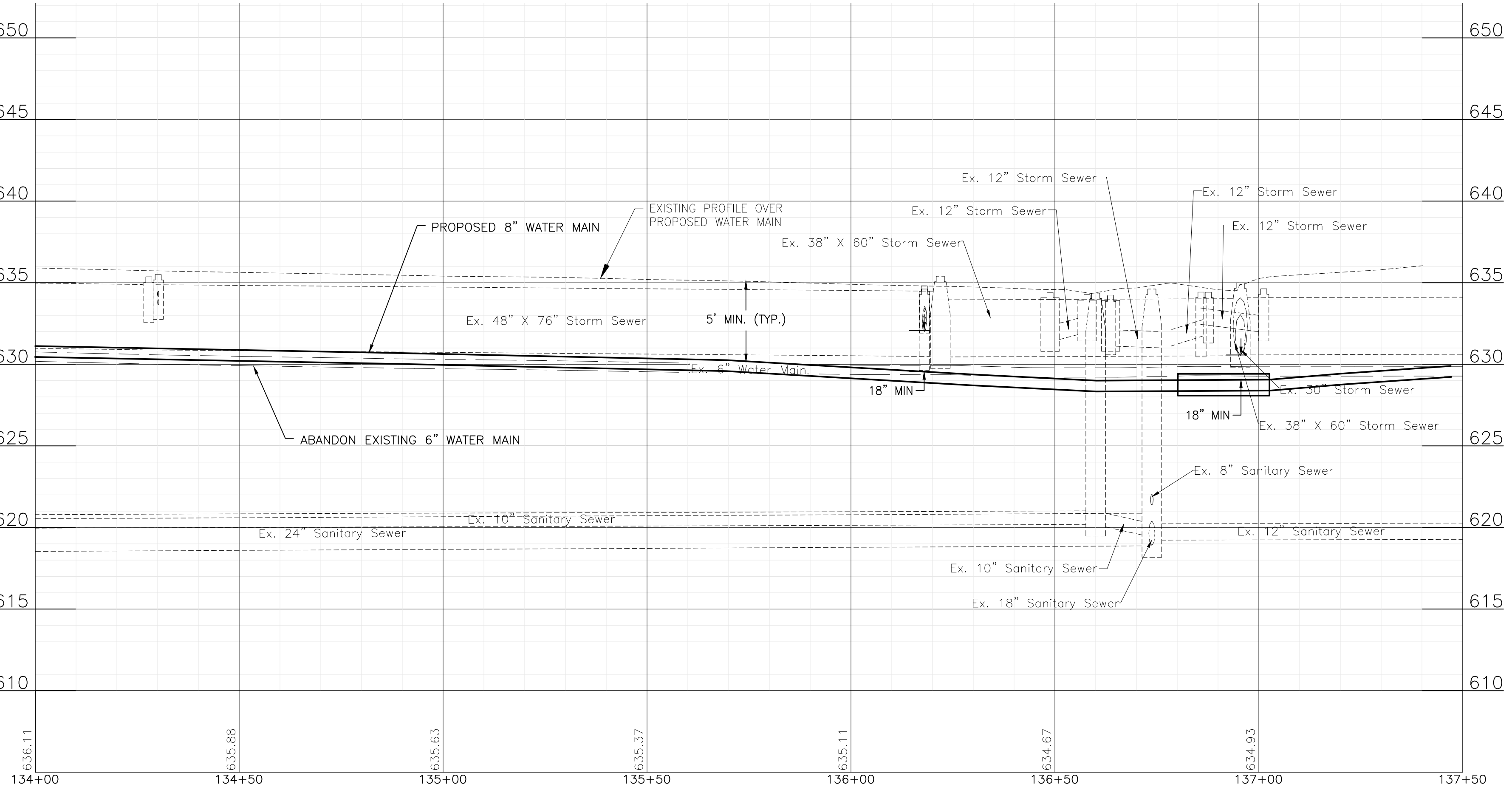
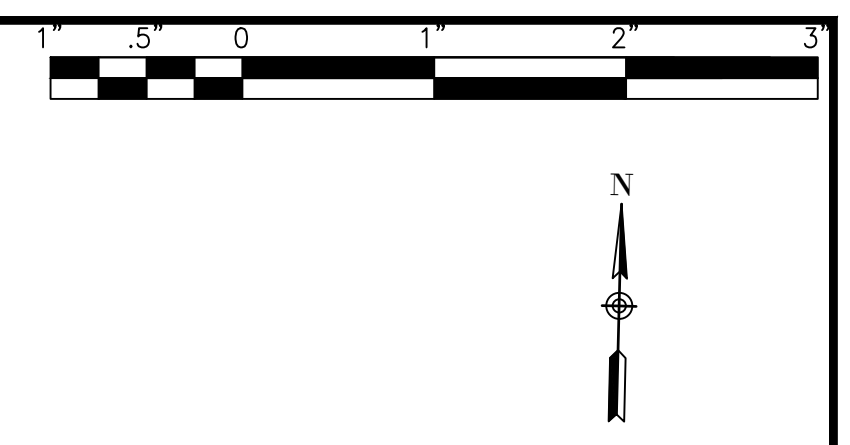
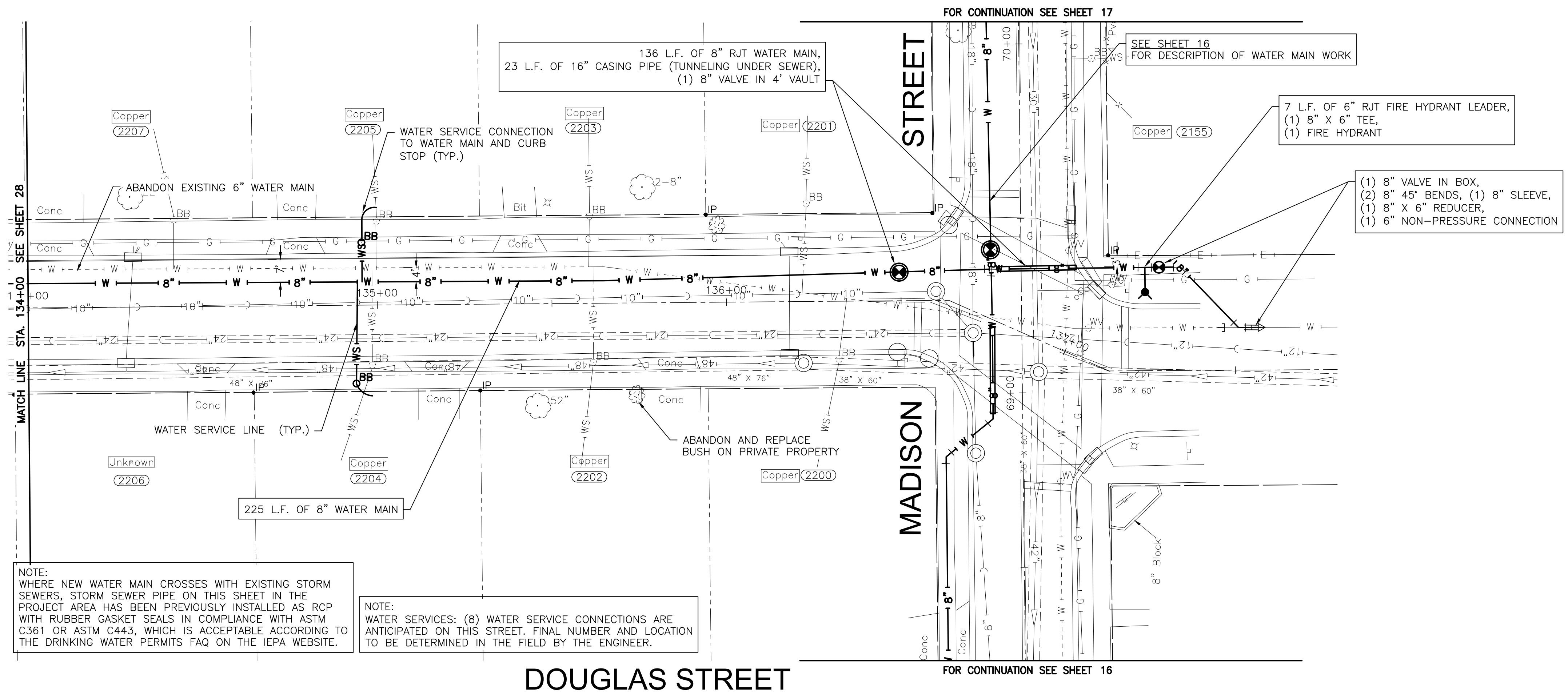
CONSULTANTS	REVISED -
	REVISED -
	REVISED -
	REVISED -

**CITY OF JOLIET, ILLINOIS**  
**BLACK ROAD ACRES PHASE 1 WATER MAIN IMPROVEMENTS**  
**CITY OF JOLIET CONTRACT NO. 2680-0123**

**DOUGLAS STREET STA. 129+50 TO STA. 134+00 PLAN AND PROFILE**  
 SCALE: HORIZ 1"=20' / VERT 1"=5'  
 PROJECT NO: 211917

DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - JJS	41	28
CHECKED - LMS		
DATE - 10/27/2022		

P:\JOL\211917-2023 WATER MAIN PROGRAM\CAD\BLACK ROAD ACRES PH 1\01\_CIVIL\_3D\01\_SHTS-PLANS\211917-BLACK ROAD ACRES PH 1-DESIGN.DWG DOUGLAS STREET STA. 134+00 TO STA. 138+00 PLAN AND PROFILE  
 Plotted: 10/25/2022 1:22 PM By: JSLAGER  
 Copyright © 2022, By: Baxter & Woodman, Inc.  
 State of Illinois - Professional Design Firm  
 License No. - 184-001121 - Expires 4-30-23



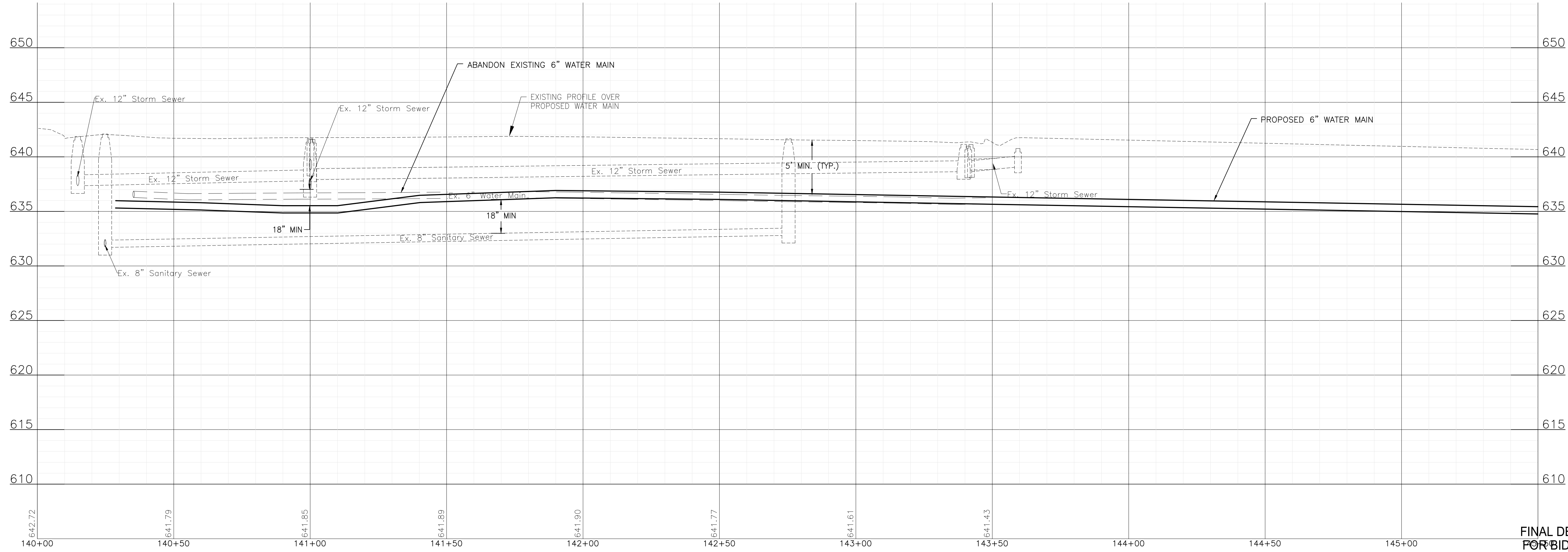
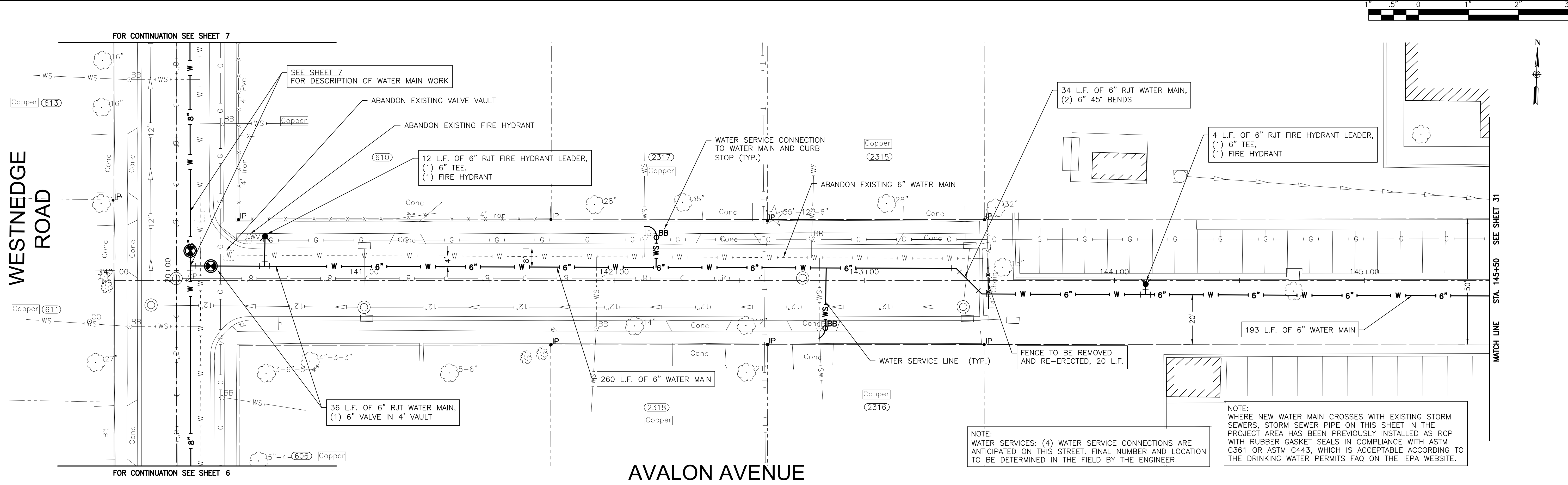
CONSULTANTS	REVISED -
	REVISED -
	REVISED -
	REVISED -

**CITY OF JOLIET, ILLINOIS**  
**BLACK ROAD ACRES PHASE 1 WATER MAIN IMPROVEMENTS**  
**CITY OF JOLIET CONTRACT NO. 2680-0123**

**DOUGLAS STREET STA. 134+00 TO STA. 138+00 PLAN AND PROFILE**  
 SCALE: HORIZ 1"=20' / VERT 1"=5'  
 PROJECT NO: 211917

DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - JJS	41	29
CHECKED - LMS		
DATE - 10/27/2022		

P:\JOLTC\211917-2023 WATER MAIN PROGRAM\CAD\BLACK ROAD ACRES PH 1\01\_CIVIL\_3D\01\_SHTS-PLANS\211917-BLACK ROAD ACRES PH 1-DESIGN.DWG AVALON AVENUE STA. 140+00 TO STA. 145+50 PLAN AND PROFILE  
 Plotted: 10/25/2022 1:22 PM By: JSLAGER  
 Copyright © 2022, By: Baxter & Woodman, Inc.  
 State of Illinois - Professional Design Firm  
 License No. - 184-001121 - Expires 4-30-23



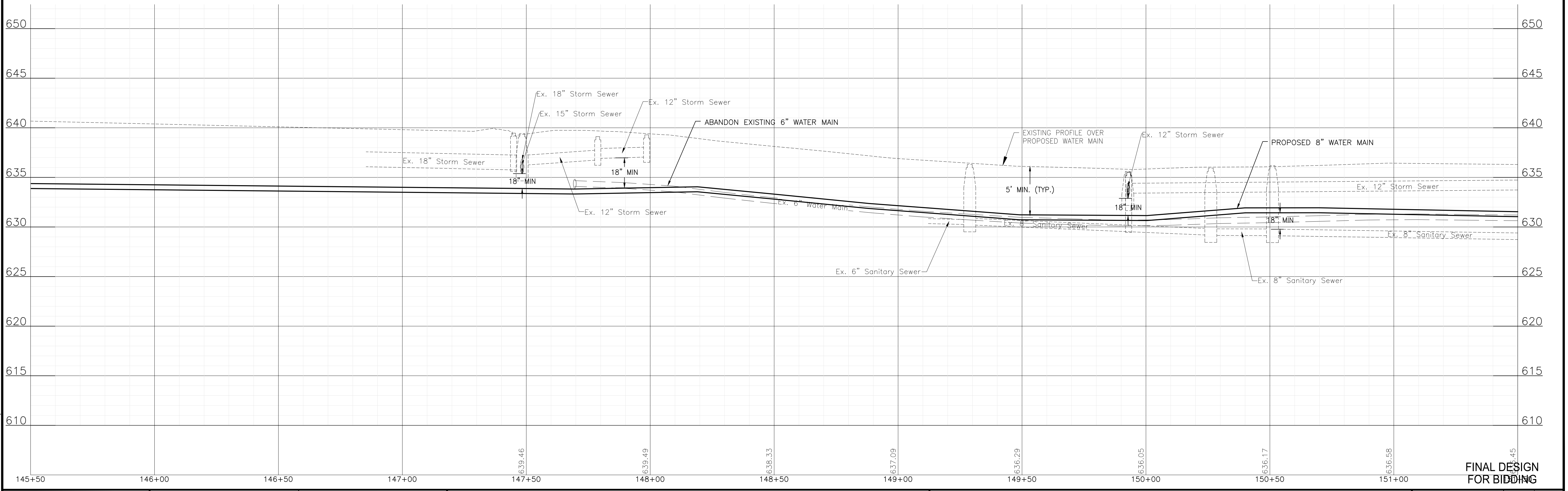
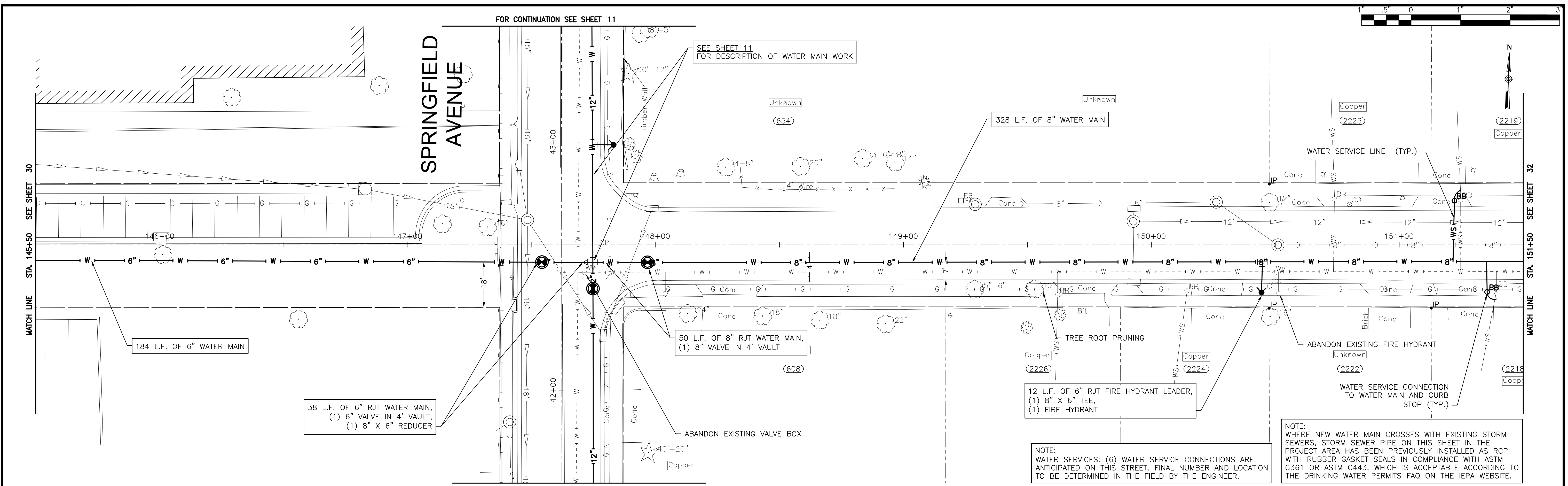
CONSULTANTS	REVISED -
	REVISED -
	REVISED -
	REVISED -

**CITY OF JOLIET, ILLINOIS**  
**BLACK ROAD ACRES PHASE 1 WATER MAIN IMPROVEMENTS**  
**CITY OF JOLIET CONTRACT NO. 2680-0123**

<b>FINAL DESIGN FOR BIDDING</b>	
<b>AVALON AVENUE STA. 140+00 TO STA. 145+50 PLAN AND PROFILE</b>	
DESIGNED - RMM	TOTAL SHEETS
DRAWN - JJS	41
CHECKED - LMS	SHEET NO.
DATE - 10/27/2022	30

SCALE: HORIZ 1"=20' / VERT 1"=5'      PROJECT NO: 211917

P:\JOLTC\211917-2023 WATER MAIN PROGRAM\CAD\BLACK ROAD ACRES PH 1\01\_CIVIL\_3D\01\_SHTS-PLANS\211917-BLACK ROAD ACRES PH 1-DESIGN.DWG AVALON AVENUE STA. 145+50 TO STA. 151+50 PLAN AND PROFILE  
 Plotted: 10/25/2022 1:22 PM By: JSLAGER  
 Copyright © 2022, By: Baxter & Woodman, Inc.  
 State of Illinois - Professional Design Firm  
 License No. - 184-001121 - Expires 4-30-23



CONSULTANTS	REVISED -
	REVISED -
	REVISED -
	REVISED -

**CITY OF JOLIET, ILLINOIS**  
**BLACK ROAD ACRES PHASE 1 WATER MAIN IMPROVEMENTS**  
**CITY OF JOLIET CONTRACT NO. 2680-0123**

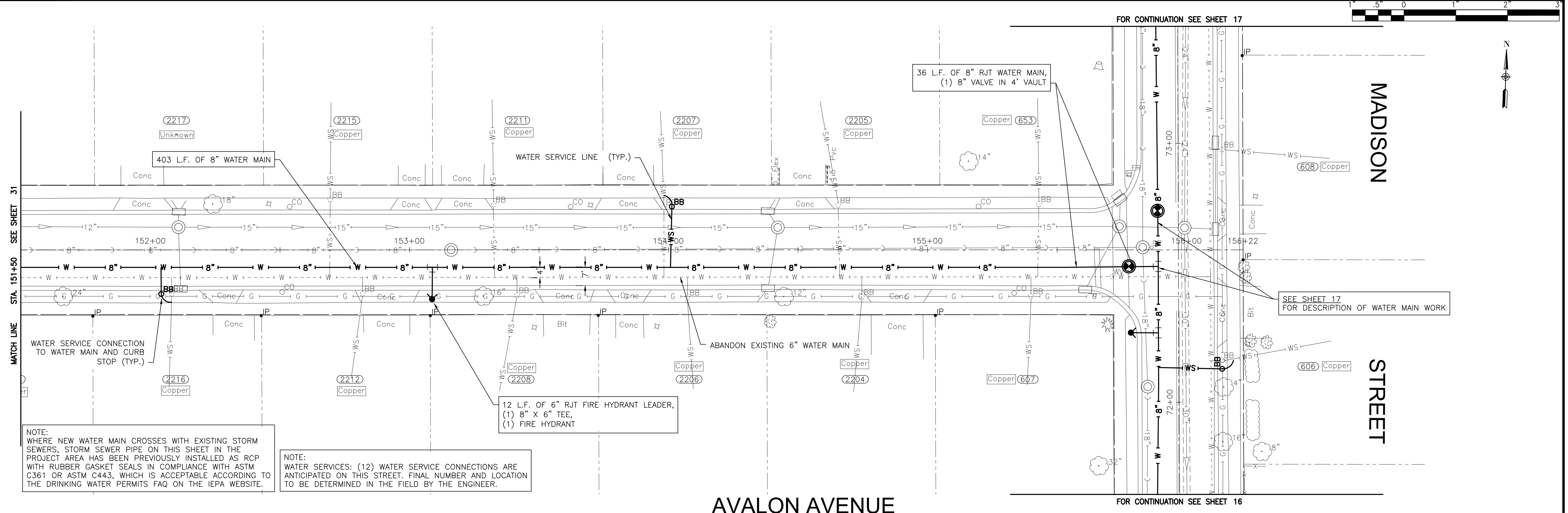
**AVALON AVENUE STA. 145+50 TO STA. 151+50 PLAN AND PROFILE**

SCALE: HORIZ 1"=20' / VERT 1"=5'  
 PROJECT NO: 211917

DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - JJS	41	31
CHECKED - LMS		
DATE - 10/27/2022		

FINAL DESIGN  
FOR BIDDING

P:\JOLTC\211917-2023 WATER MAIN PROGRAM\CAD\BLACK ROAD ACRES PH 1\01\_CIVIL\_3D\01\_SHTS-PLANS\211917-BLACK ROAD ACRES PH 1-DESIGN.DWG AVALON AVENUE STA. 151+50 TO STA. 157+00 PLAN AND PROFILE  
 Plotted: 10/25/2022 1:22 PM By: JSLAGER  
 Copyright © 2022, By: Baxter & Woodman, Inc.  
 State of Illinois - Professional Design Firm  
 License No. - 184-001121 - Expires 4-30-23

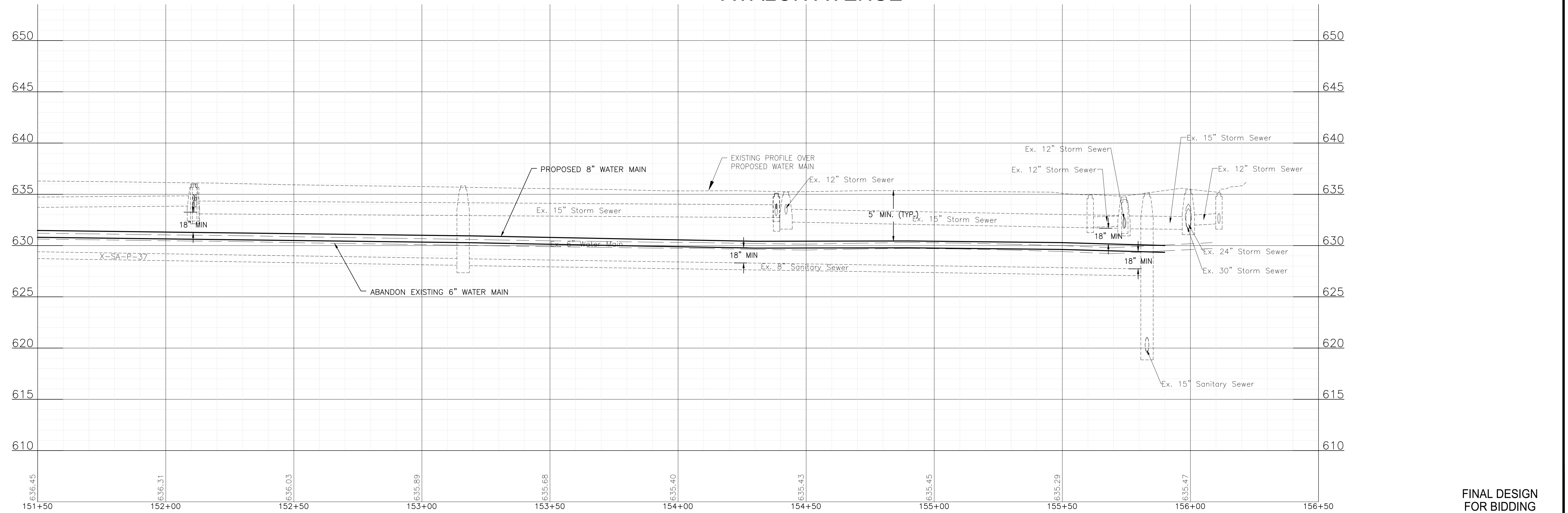


NOTE:  
 WHERE NEW WATER MAIN CROSSES WITH EXISTING STORM SEWERS, STORM SEWER PIPE ON THIS SHEET IN THE PROJECT AREA HAS BEEN PREVIOUSLY INSTALLED AS RCP WITH RUBBER GASKET SEALS IN COMPLIANCE WITH ASTM C361 OR ASTM C443, WHICH IS ACCEPTABLE ACCORDING TO THE DRINKING WATER PERMITS FAQ ON THE IEPA WEBSITE.

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

12 L.F. OF 6\"/>

**AVALON AVENUE**



CONSULTANTS	REVISED -
	REVISED -
	REVISED -
	REVISED -

**CITY OF JOLIET, ILLINOIS**  
**BLACK ROAD ACRES PHASE 1 WATER MAIN IMPROVEMENTS**  
**CITY OF JOLIET CONTRACT NO. 2680-0123**

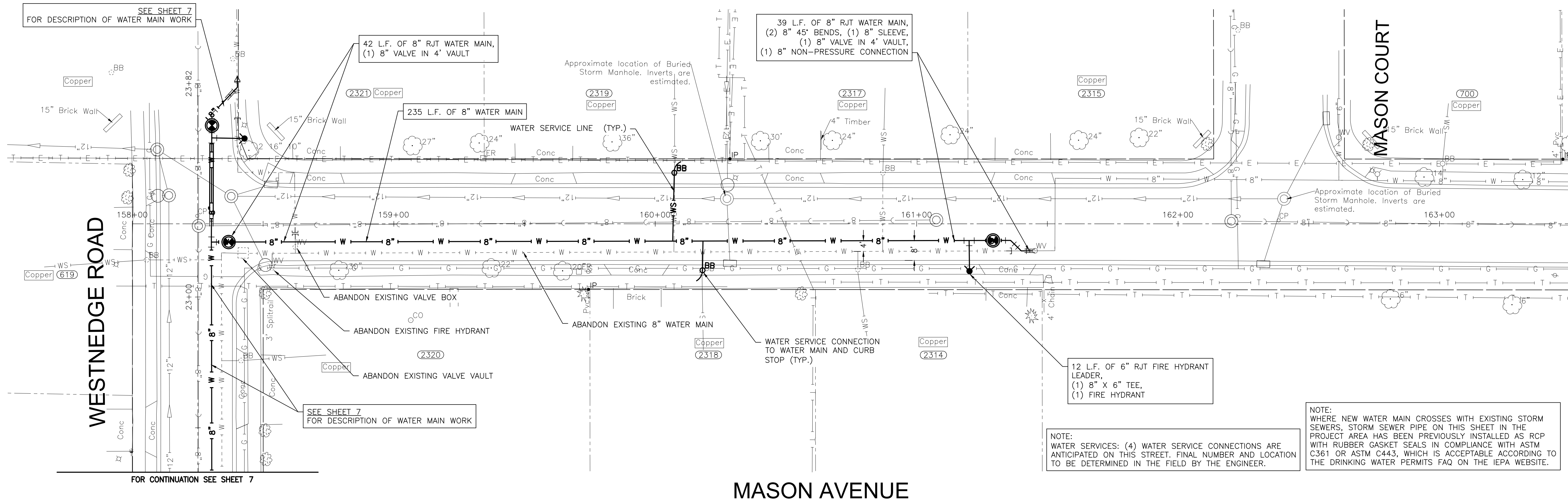
**AVALON AVENUE STA. 151+50 TO STA. 157+00 PLAN AND PROFILE**  
 SCALE: HORIZ 1"=20' / VERT 1"=5'  
 PROJECT NO: 211917

DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - JJS	41	32
CHECKED - LMS		
DATE - 10/27/2022		

FINAL DESIGN FOR BIDDING



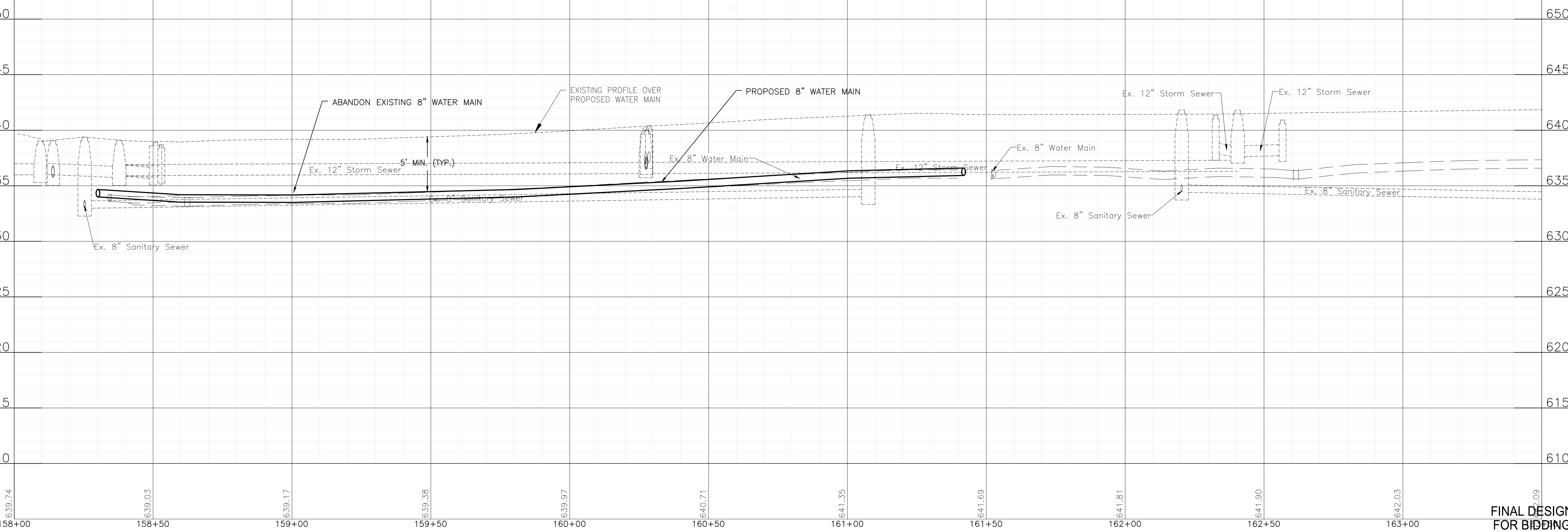
P:\JOL\211917-2023 WATER MAIN PROGRAM\CAD\BLACK ROAD ACRES PH 1\01\_CIVIL\_3D\01\_SHTS-PLANS\211917-BLACK ROAD ACRES PH 1-DESIGN.DWG MASON AVENUE STA. 158+00 TO STA. 163+50 PLAN AND PROFILE  
 Plotted: 10/25/2022 1:23 PM By: JSLAGER  
 Copyright © 2022, By: Baxter & Woodman, Inc.  
 State of Illinois - Professional Design Firm  
 License No. - 184-001121 - Expires 4-30-23



WESTNEDGE ROAD

MASON COURT

MASON AVENUE



NOTE:  
 WHERE NEW WATER MAIN CROSSES WITH EXISTING STORM SEWERS, STORM SEWER PIPE ON THIS SHEET IN THE PROJECT AREA HAS BEEN PREVIOUSLY INSTALLED AS RCP WITH RUBBER GASKET SEALS IN COMPLIANCE WITH ASTM C361 OR ASTM C443, WHICH IS ACCEPTABLE ACCORDING TO THE DRINKING WATER PERMITS FAQ ON THE IEPA WEBSITE.

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

FOR CONTINUATION SEE SHEET 7

MATCH LINE STA. 163+50 SEE SHEET 34

FINAL DESIGN FOR BIDDING



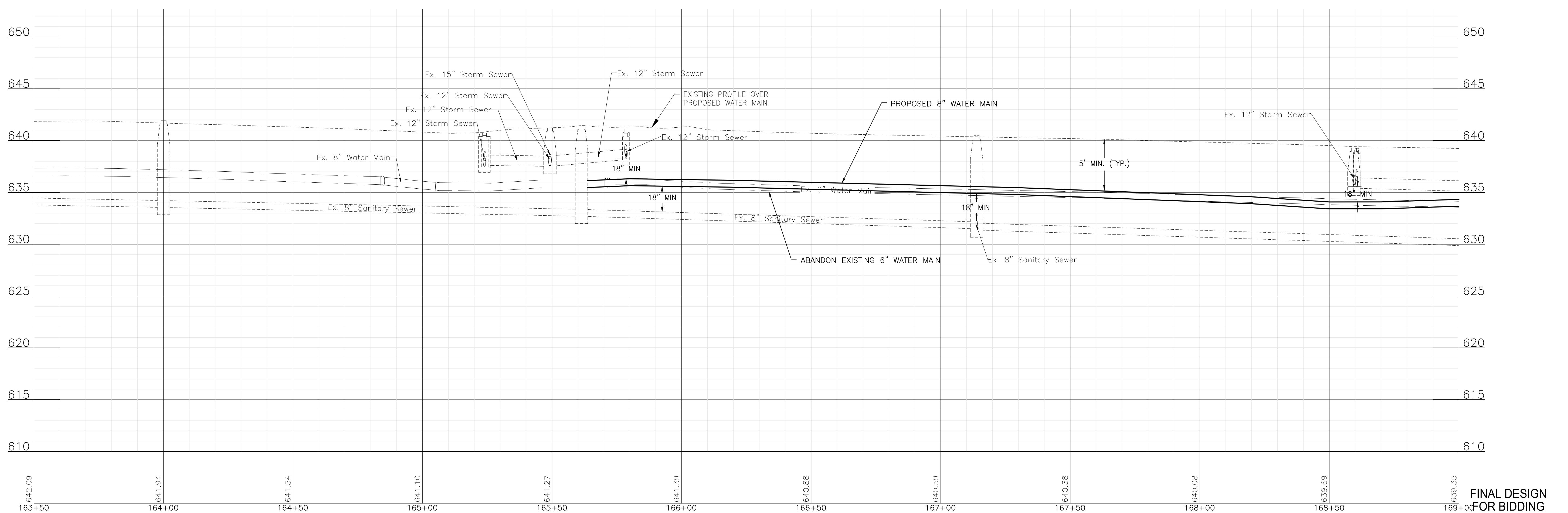
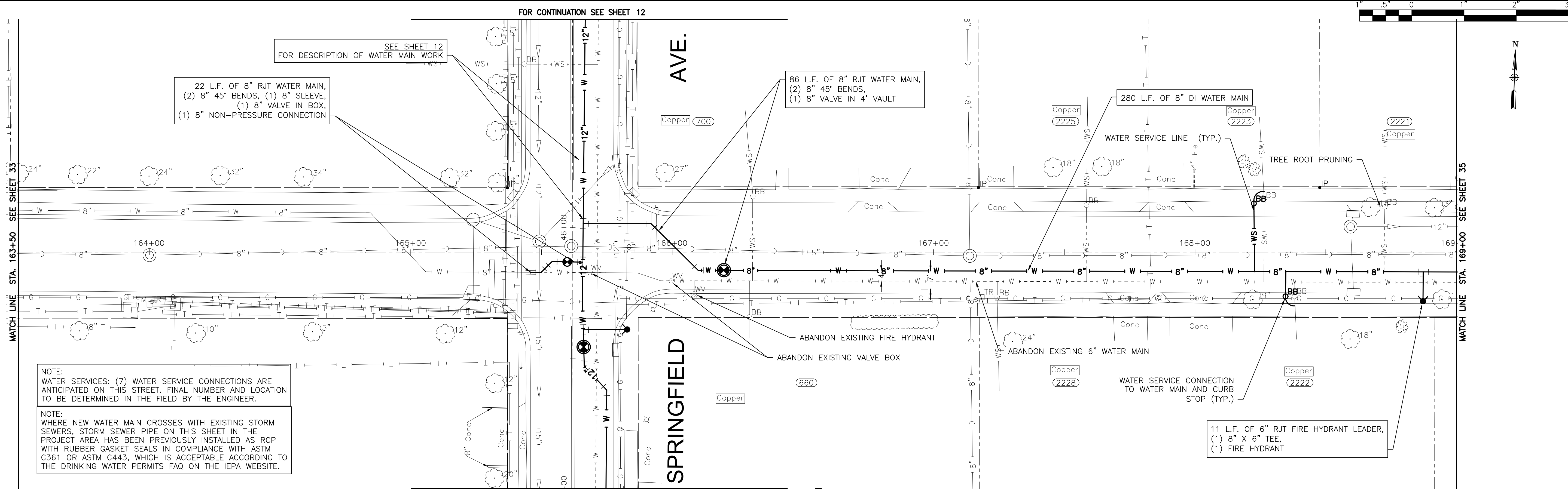
CONSULTANTS	REVISED -
	REVISED -
	REVISED -
	REVISED -

**CITY OF JOLIET, ILLINOIS**  
**BLACK ROAD ACRES PHASE 1 WATER MAIN IMPROVEMENTS**  
**CITY OF JOLIET CONTRACT NO. 2680-0123**

**MASON AVENUE STA. 158+00 TO STA. 163+50 PLAN AND PROFILE**  
 SCALE: HORIZ 1"=20' / VERT 1"=5'  
 PROJECT NO: 211917

DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - JJS	41	33
CHECKED - LMS		
DATE - 10/27/2022		

P:\JOLIO\211917-2023 WATER MAIN PROGRAM\CAD\BLACK ROAD ACRES PH 1\01\_CIVIL\_3D\01\_SHTS-PLANS\211917-BLACK ROAD ACRES PH 1-DESIGN.DWG MASON AVENUE STA. 163+50 TO STA. 169+00 PLAN AND PROFILE  
 Plotted: 10/25/2022 1:23 PM By: JSLAGER  
 Copyright © 2022, By: Baxter & Woodman, Inc.  
 State of Illinois - Professional Design Firm  
 License No. - 184-001121 - Expires 4-30-23



CONSULTANTS	REVISED -
	REVISED -
	REVISED -
	REVISED -

**CITY OF JOLIET, ILLINOIS**  
**BLACK ROAD ACRES PHASE 1 WATER MAIN IMPROVEMENTS**  
**CITY OF JOLIET CONTRACT NO. 2680-0123**

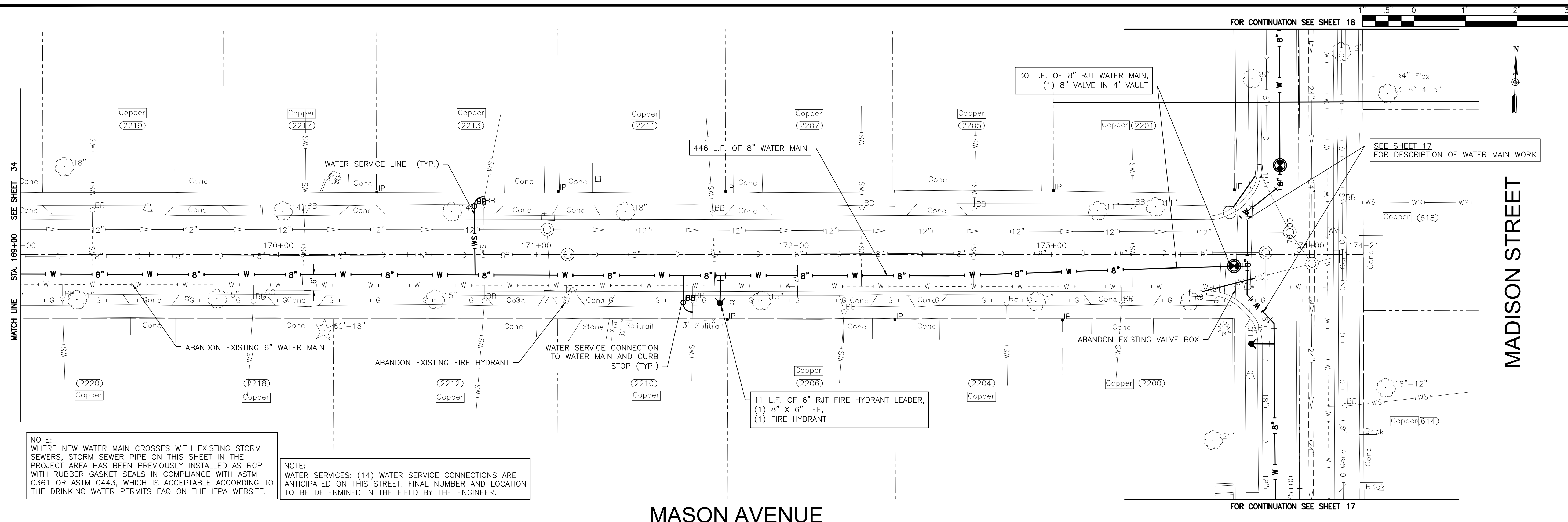
**MASON AVENUE STA. 163+50 TO STA. 169+00 PLAN AND PROFILE**

SCALE: HORIZ 1"=20' / VERT 1"=5'  
 PROJECT NO: 211917

DESIGNED - RMM	TOTAL SHEETS	41	SHEET NO.	34
DRAWN - JJS				
CHECKED - LMS				
DATE - 10/27/2022				

FINAL DESIGN  
FOR BIDDING

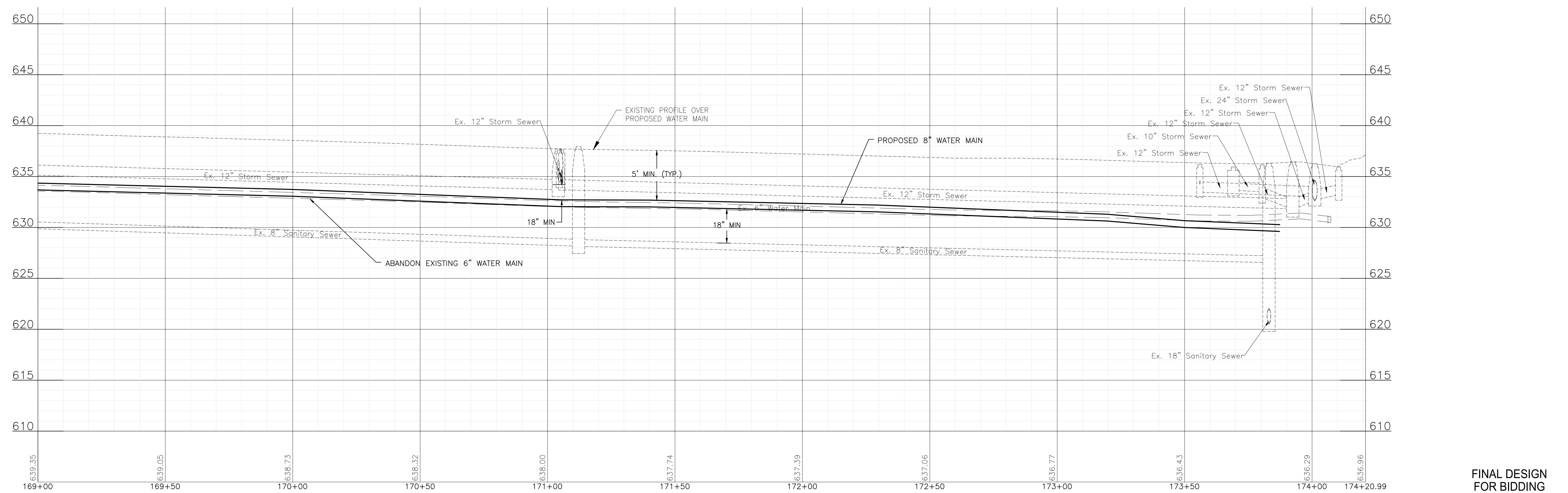
P:\JOLTC\211917-2023 WATER MAIN PROGRAM\CAD\BLACK ROAD ACRES PH 1\01\_CIVIL\_3D\01\_SHTS-PLANS\211917-BLACK ROAD ACRES PH 1-DESIGN.DWG MASON AVENUE STA. 169+00 TO STA. 175+00 PLAN AND PROFILE  
 Plotted: 10/25/2022 1:23 PM By: JSLAGER  
 Copyright © 2022, By: Baxter & Woodman, Inc.  
 State of Illinois - Professional Design Firm  
 License No. - 184-001121 - Expires 4-30-23



NOTE:  
 WHERE NEW WATER MAIN CROSSES WITH EXISTING STORM SEWERS, STORM SEWER PIPE ON THIS SHEET IN THE PROJECT AREA HAS BEEN PREVIOUSLY INSTALLED AS RCP WITH RUBBER GASKET SEALS IN COMPLIANCE WITH ASTM C361 OR ASTM C443, WHICH IS ACCEPTABLE ACCORDING TO THE DRINKING WATER PERMITS FAQ ON THE IEPA WEBSITE.

NOTE:  
 WATER SERVICES: (14) WATER SERVICE CONNECTIONS ARE ANTICIPATED ON THIS STREET. FINAL NUMBER AND LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

MASON AVENUE



CONSULTANTS	REVISED -
	REVISED -
	REVISED -
	REVISED -

CITY OF JOLIET, ILLINOIS  
 BLACK ROAD ACRES PHASE 1 WATER MAIN IMPROVEMENTS  
 CITY OF JOLIET CONTRACT NO. 2680-0123

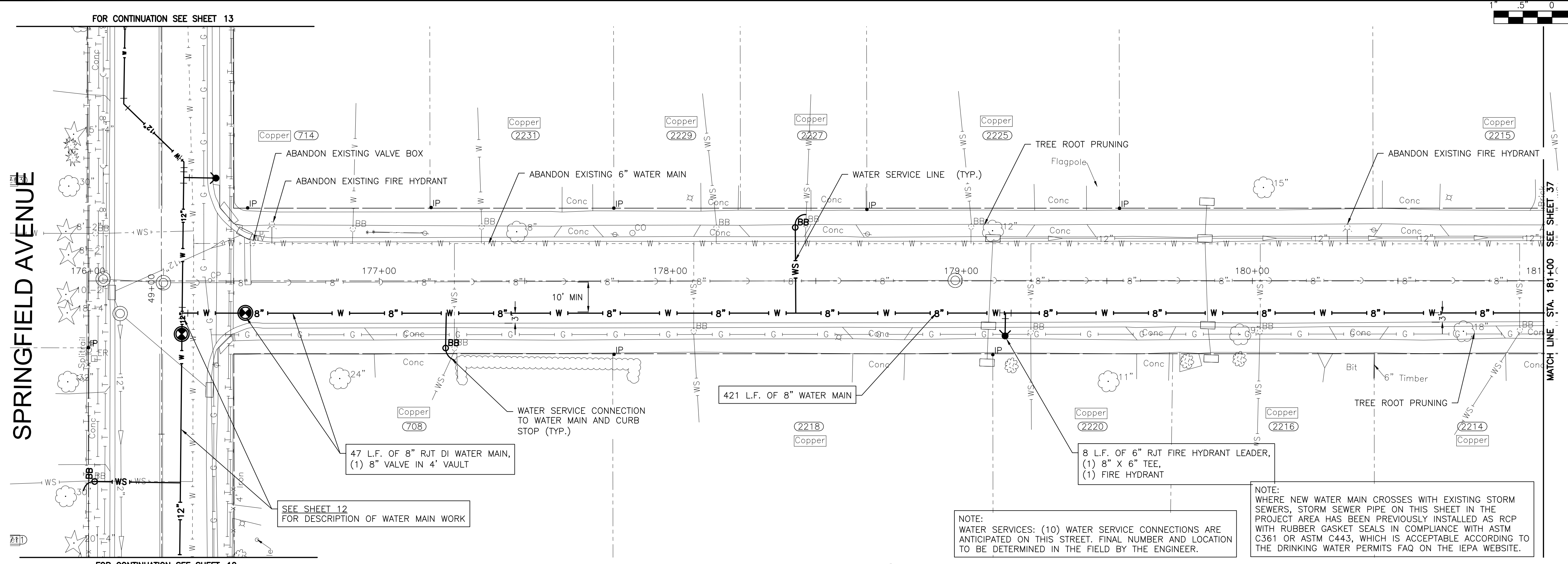
MASON AVENUE STA. 169+00 TO STA. 175+00 PLAN AND PROFILE  
 SCALE: HORIZ 1"=20' / VERT 1"=5'  
 PROJECT NO: 211917

DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - JJS	41	35
CHECKED - LMS		
DATE - 10/27/2022		

FINAL DESIGN FOR BIDDING

P:\JOLIET\211917-2023 WATER MAIN PROGRAM\CAD\BLACK ROAD ACRES PH 1\01\_CIVIL\_3D\01\_SHTS-PLANS\211917-BLACK ROAD ACRES PH1-DESIGN.DWG ARDEN PLACE STA. 176+00 TO STA. 181+00 PLAN AND PROFILE  
 Plotted: 10/25/2022 1:23 PM By: JSLAGER  
 Copyright © 2022, By: Baxter & Woodman, Inc.  
 State of Illinois - Professional Design Firm  
 License No. - 184-001121 - Expires 4-30-23

SPRINGFIELD AVENUE

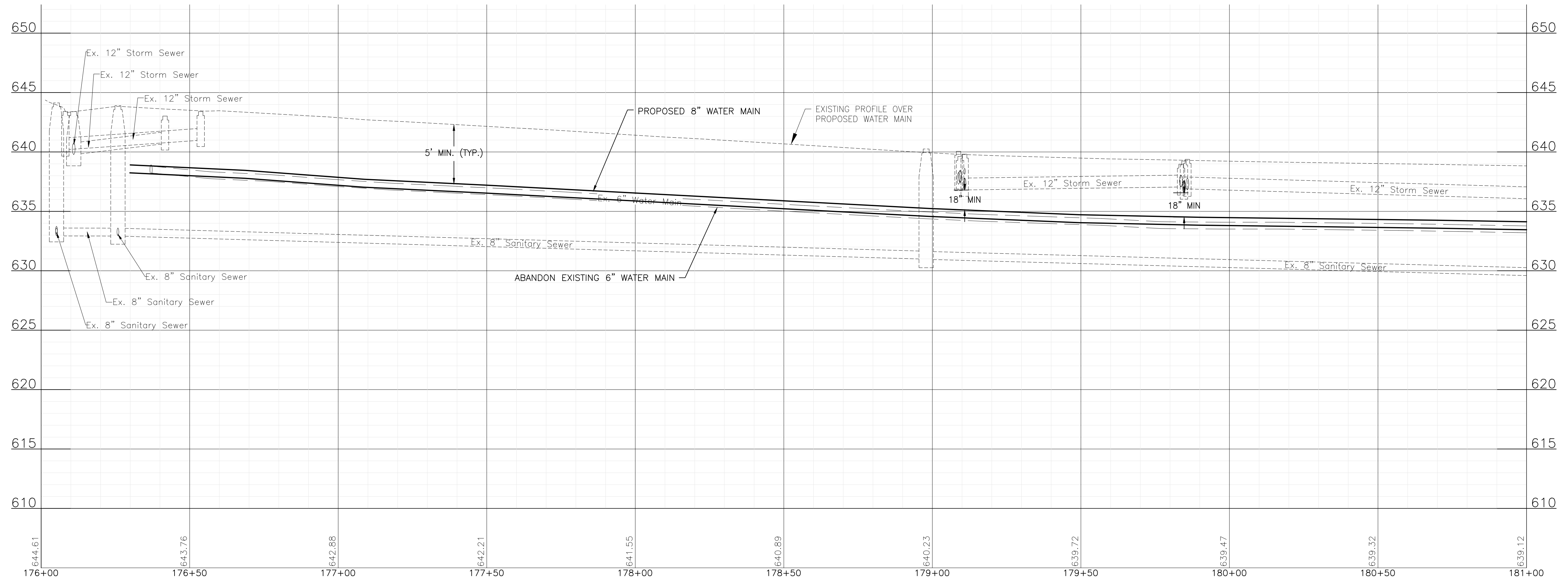


FOR CONTINUATION SEE SHEET 13

FOR CONTINUATION SEE SHEET 12

MATCH LINE STA. 181+00 SEE SHEET 37

ARDEN PLACE



CONSULTANTS	REVISED -
	REVISED -
	REVISED -
	REVISED -

**CITY OF JOLIET, ILLINOIS**  
**BLACK ROAD ACRES PHASE 1 WATER MAIN IMPROVEMENTS**  
**CITY OF JOLIET CONTRACT NO. 2680-0123**

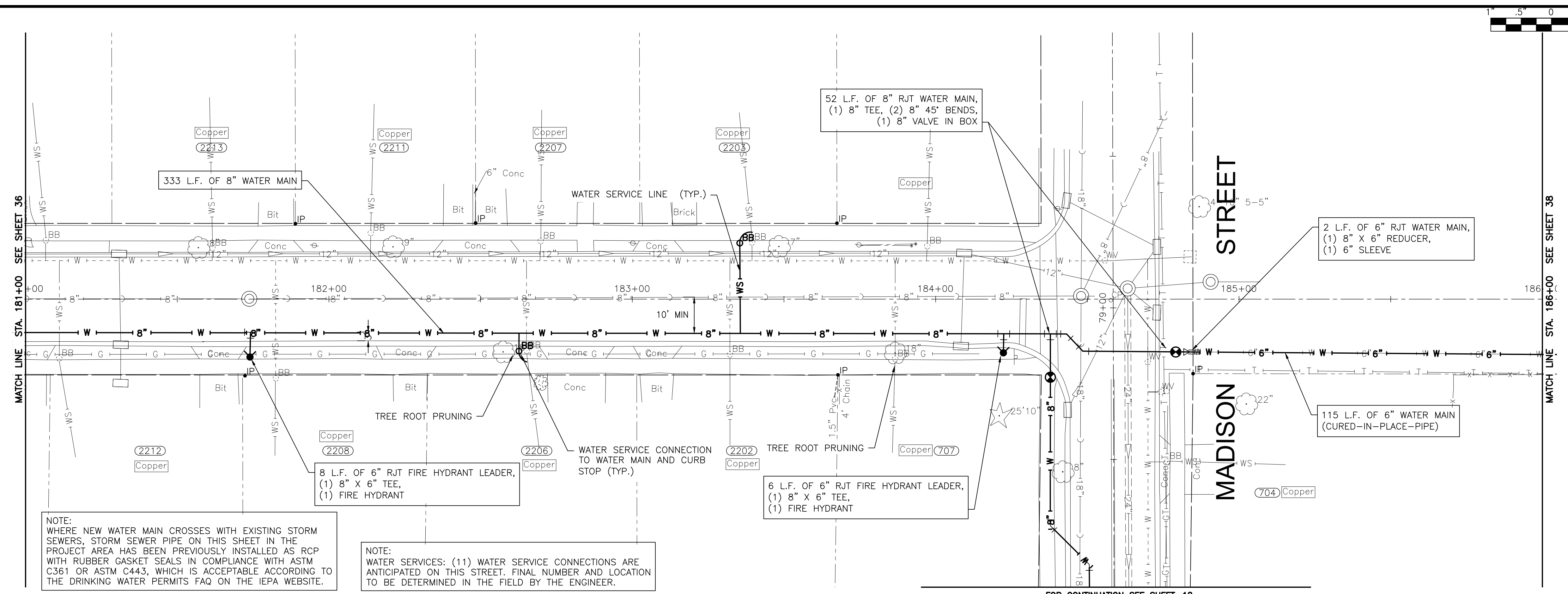
**ARDEN PLACE STA. 176+00 TO STA. 181+00 PLAN AND PROFILE**

SCALE: HORIZ 1"=20' / VERT 1"=5'  
 PROJECT NO: 211917

DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - JJS	41	36
CHECKED - LMS		
DATE - 10/27/2022		

FINAL DESIGN FOR BIDDING

P:\JOLTC\211917-2023 WATER MAIN PROGRAM\CAD\BLACK ROAD ACRES PH 1\01\_CIVIL\_3D\01\_SHTS-PLANS\211917-BLACK ROAD ACRES PH1-DESIGN.DWG ARDEN PLACE STA. 181+00 TO STA. 186+00 PLAN AND PROFILE  
 Plotted: 10/25/2022 1:24 PM By: JSLAGER  
 Copyright © 2022, By: Baxter & Woodman, Inc.  
 State of Illinois - Professional Design Firm  
 License No. - 184-001121 - Expires 4-30-23

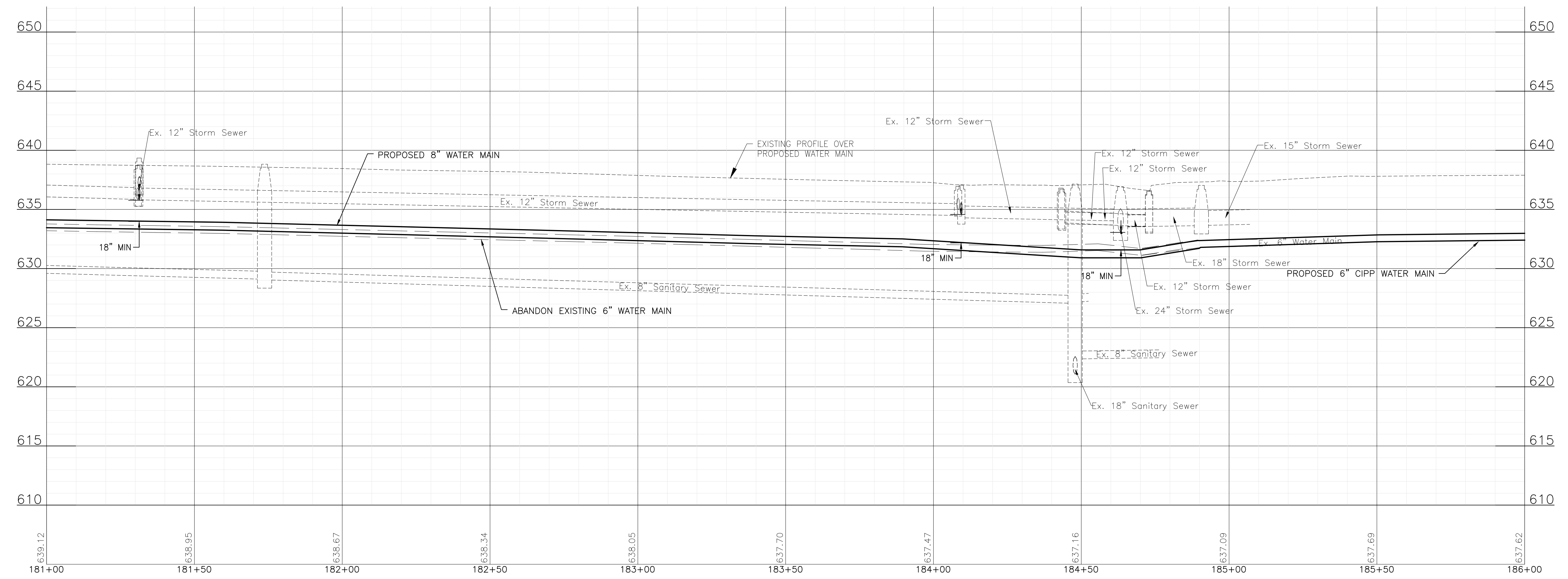


NOTE:  
 WHERE NEW WATER MAIN CROSSES WITH EXISTING STORM SEWERS, STORM SEWER PIPE ON THIS SHEET IN THE PROJECT AREA HAS BEEN PREVIOUSLY INSTALLED AS RCP WITH RUBBER GASKET SEALS IN COMPLIANCE WITH ASTM C361 OR ASTM C443, WHICH IS ACCEPTABLE ACCORDING TO THE DRINKING WATER PERMITS FAQ ON THE IEPA WEBSITE.

NOTE:  
 WATER SERVICES: (11) WATER SERVICE CONNECTIONS ARE ANTICIPATED ON THIS STREET. FINAL NUMBER AND LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

**ARDEN PLACE**

FOR CONTINUATION SEE SHEET 18



**FINAL DESIGN FOR BIDDING**



CONSULTANTS	REVISED -
	REVISED -
	REVISED -
	REVISED -

**CITY OF JOLIET, ILLINOIS**  
**BLACK ROAD ACRES PHASE 1 WATER MAIN IMPROVEMENTS**  
**CITY OF JOLIET CONTRACT NO. 2680-0123**

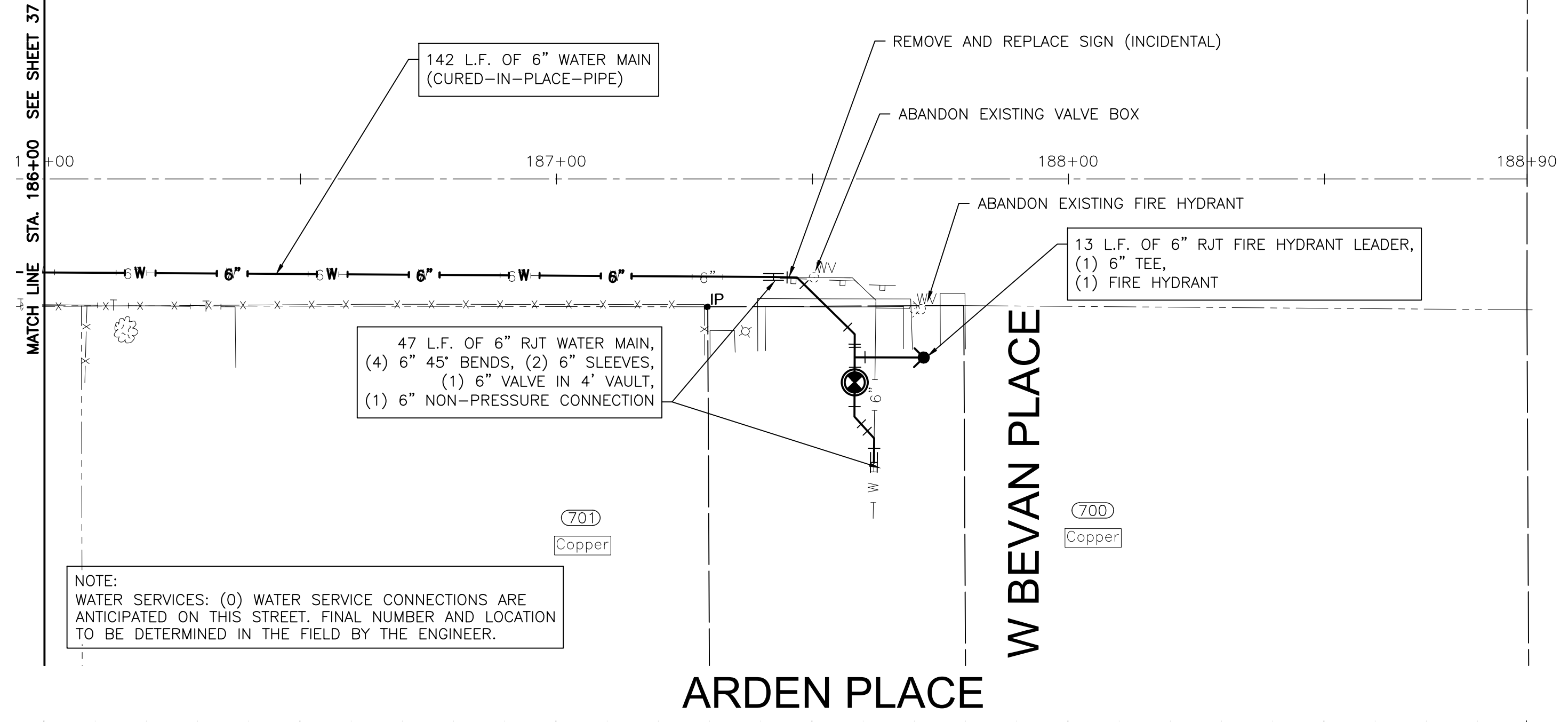
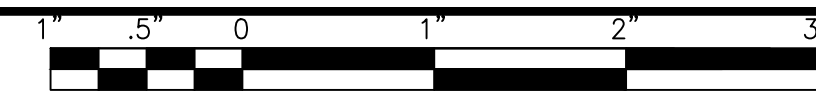
**ARDEN PLACE STA. 181+00 TO STA. 186+00 PLAN AND PROFILE**

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

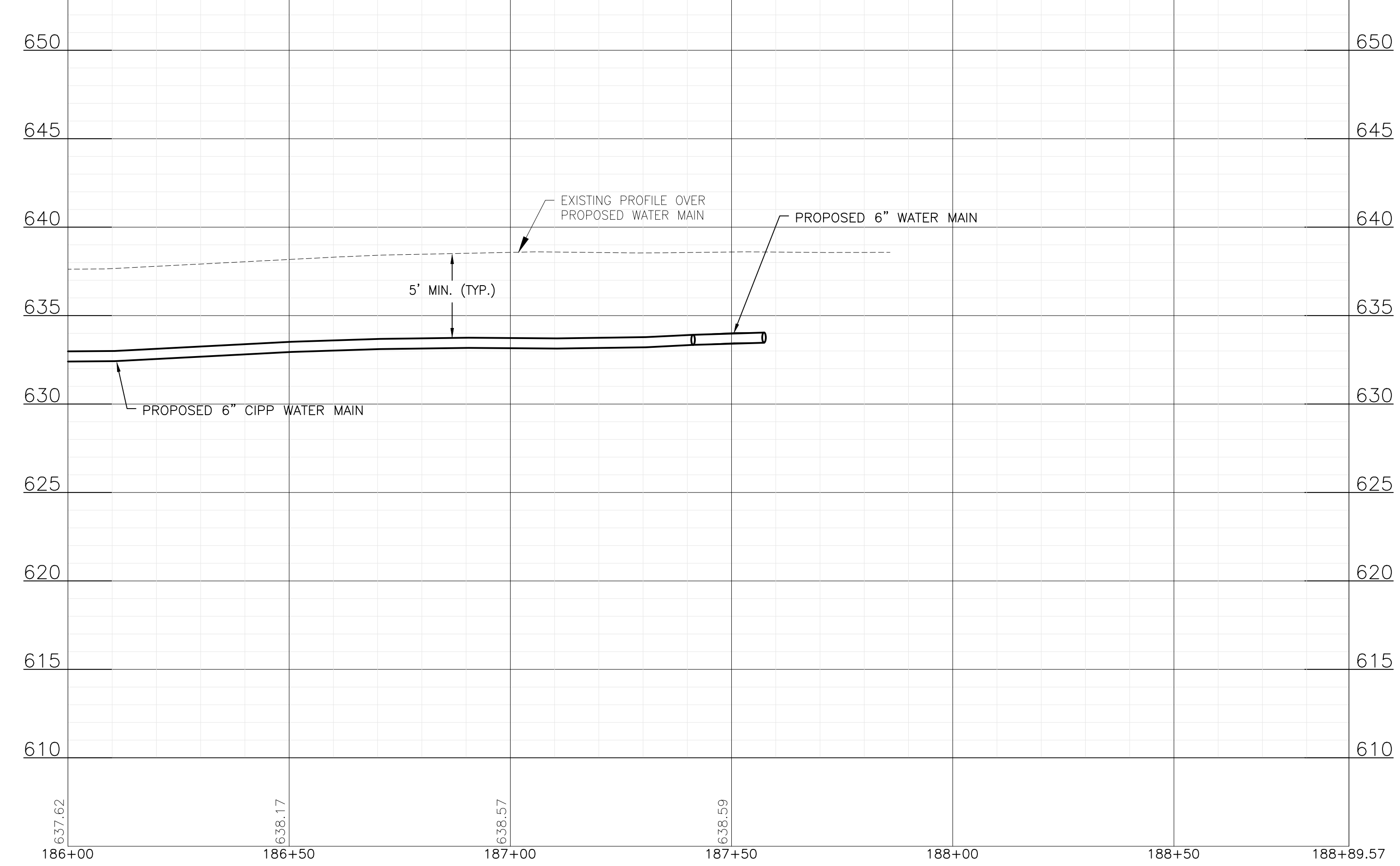
PROJECT NO: 211917

DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - JJS	41	37
CHECKED - LMS		
DATE - 10/27/2022		

P:\JOLTC\211917-2023 WATER MAIN PROGRAM\CAD\BLACK ROAD ACRES PH 1\01\_CIVIL\_3D\01\_SHTS-PLANS\211917-BLACK ROAD ACRES PH1-DESIGN.DWG ARDEN PLACE STA. 186+00 TO STA. 189+00 PLAN AND PROFILE  
 Plotted: 10/25/2022 1:24 PM By: JSLAGER  
 Copyright © 2022, By: Baxter & Woodman, Inc.  
 State of Illinois - Professional Design Firm  
 License No. - 184-001121 - Expires 4-30-23



NOTE:  
 WATER SERVICES: (0) WATER SERVICE CONNECTIONS ARE ANTICIPATED ON THIS STREET. FINAL NUMBER AND LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER.



CONSULTANTS	REVISED -
	REVISED -
	REVISED -
	REVISED -

**CITY OF JOLIET, ILLINOIS**  
**BLACK ROAD ACRES PHASE 1 WATER MAIN IMPROVEMENTS**  
**CITY OF JOLIET CONTRACT NO. 2680-0123**

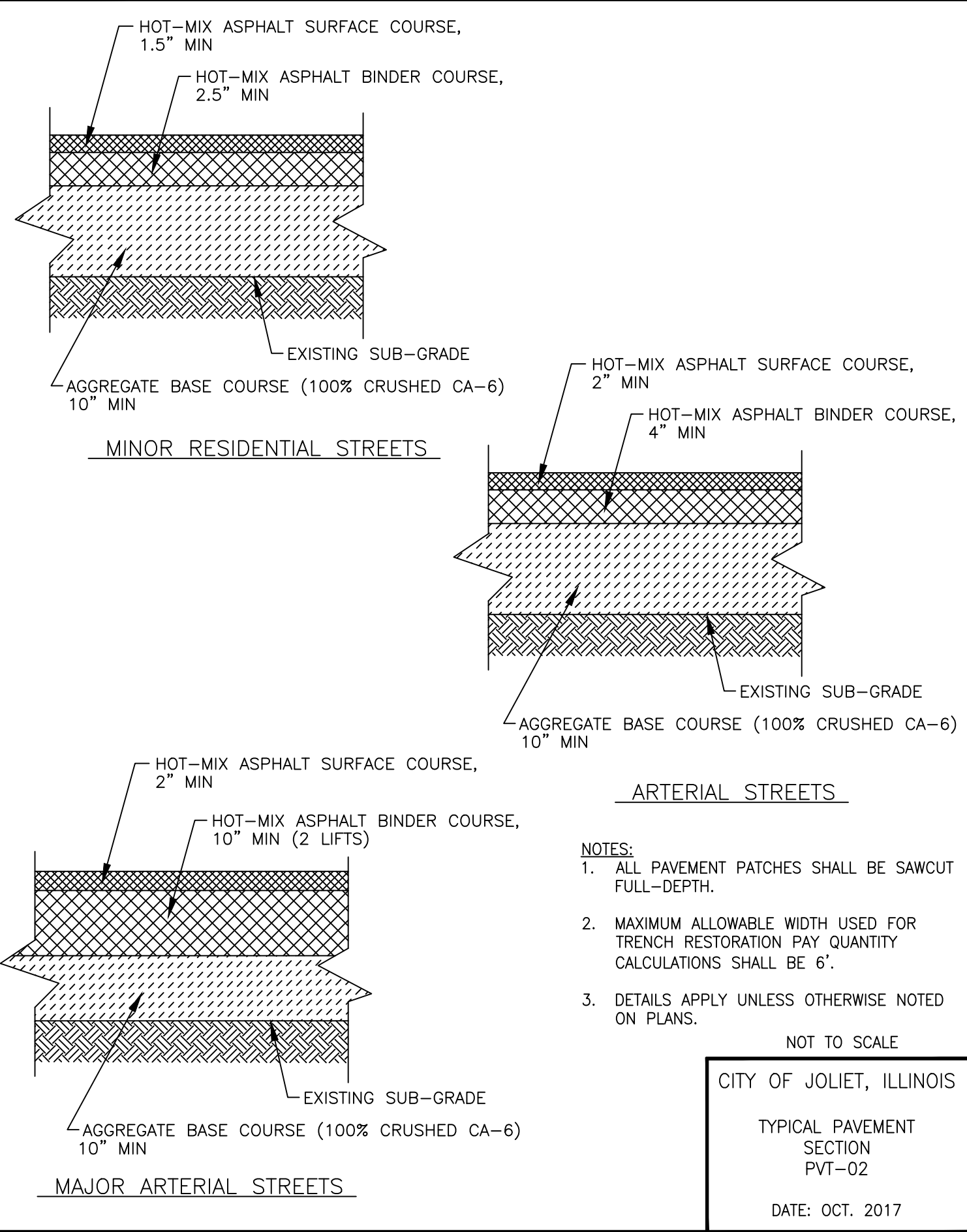
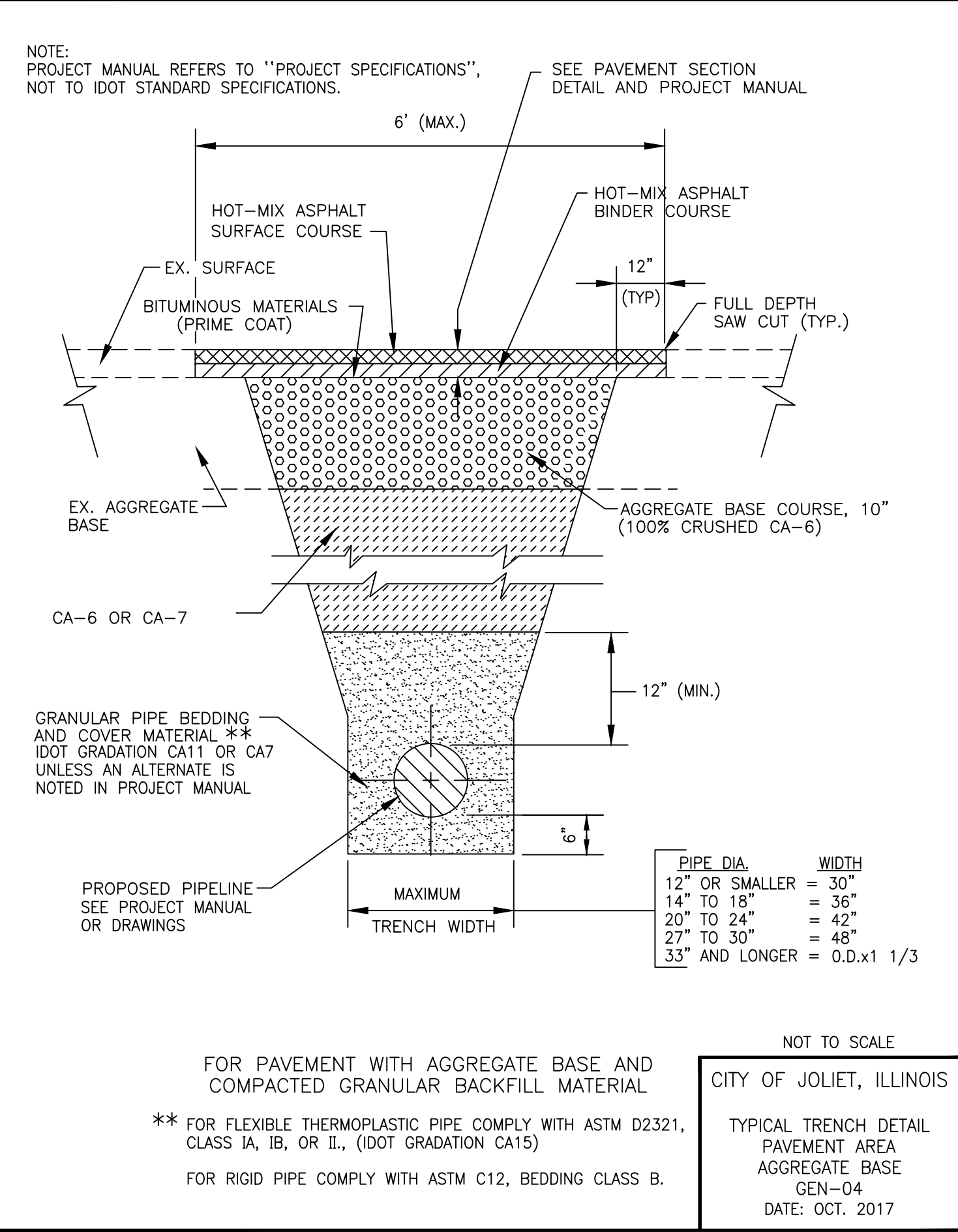
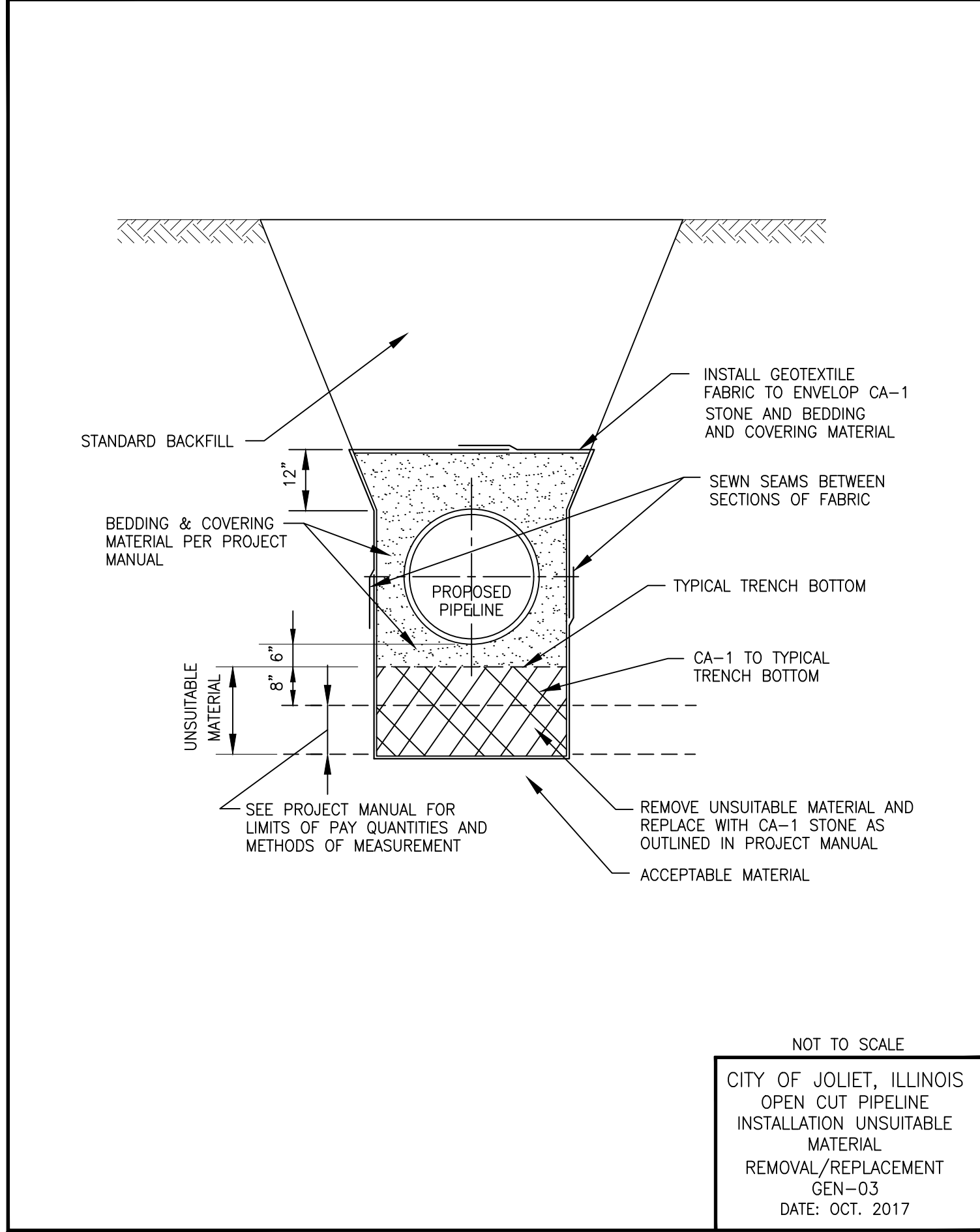
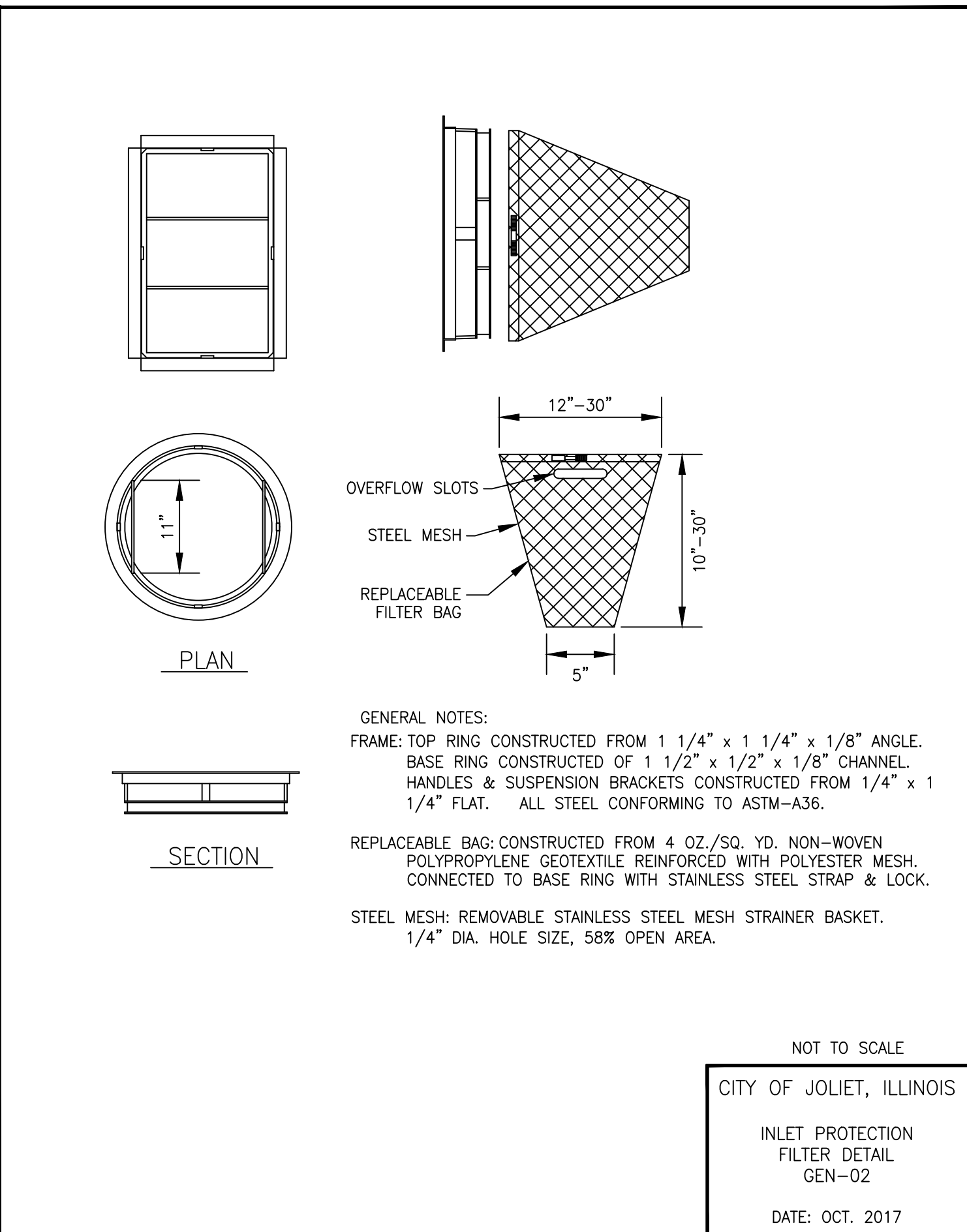
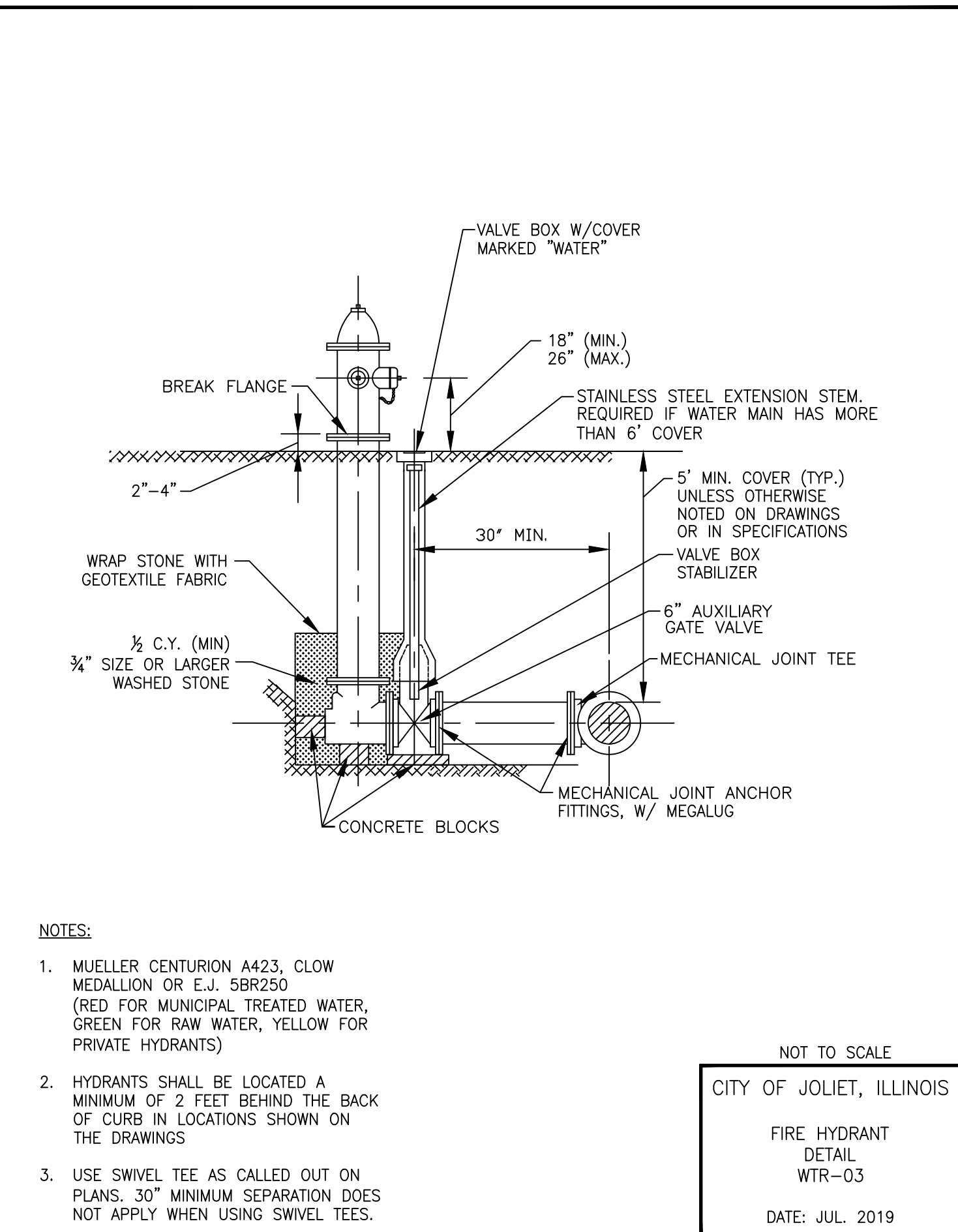
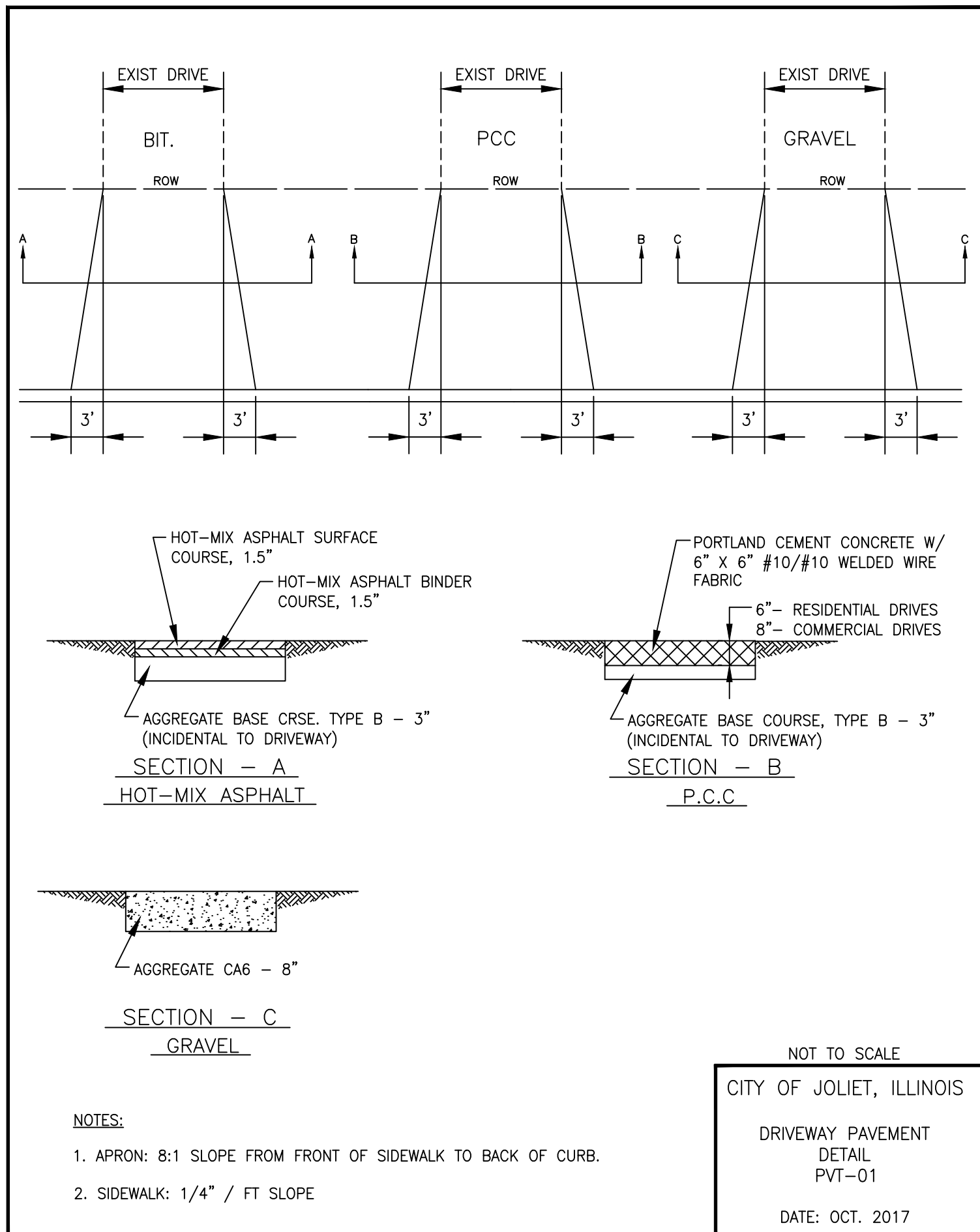
**ARDEN PLACE STA. 186+00 TO STA. 189+00 PLAN AND PROFILE**

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

PROJECT NO: 211917

DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - JJS	41	38
CHECKED - LMS		
DATE - 10/27/2022		

FINAL DESIGN  
 FOR BIDDING



P:\JOLTC\211917-2023 WATER MAIN PROGRAM\CAD\BLACK ROAD ACRES PH 1\01\_CIVIL\_3D\01\_SHTS-PLANS\211917-COVER\_GEN\_DET-BLACK\_RD-ACRES PH 1.DWG DETAILS  
Plotted: 10/25/2022 1:24 PM By: JSLAGER  
Copyright © 2022, By: Baxter & Woodman, Inc.  
State of Illinois - Professional Design Firm  
License No. - 184-001121 - Expires 4-30-23



CONSULTANTS	REVISED -
	REVISED -
	REVISED -
	REVISED -

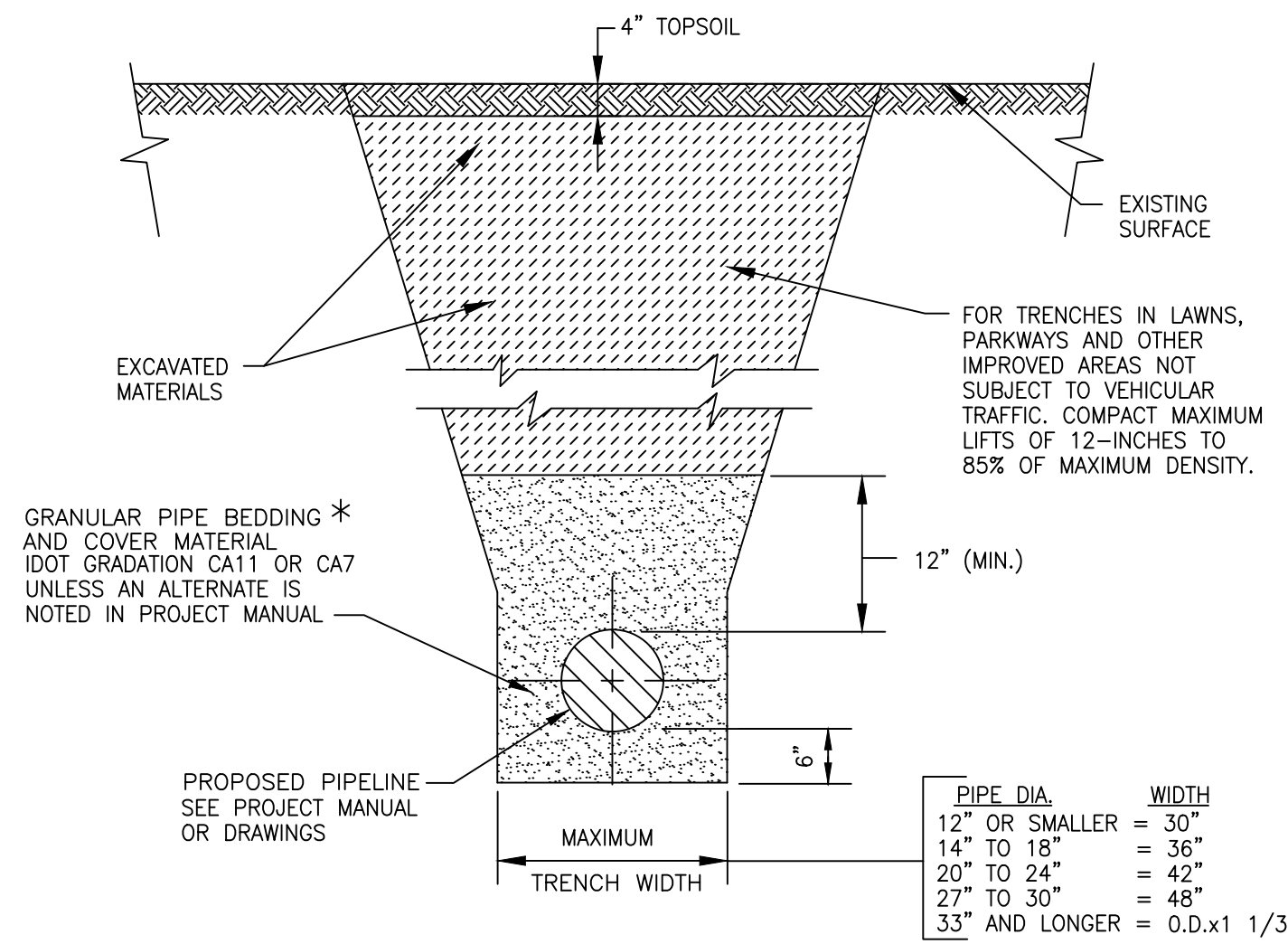
**CITY OF JOLIET, ILLINOIS**  
**BLACK ROAD ACRES PHASE 1 WATER MAIN IMPROVEMENTS**  
**CITY OF JOLIET CONTRACT NO. 2680-0123**

SCALE:	AS NOTED	PROJECT NO:	211917
<b>DETAILS</b>			

DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - JJS	41	39
CHECKED - LMS		
DATE - 10/27/2022		

**FINAL DESIGN FOR BIDDING**

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.



FOR NON-PAVED AREAS

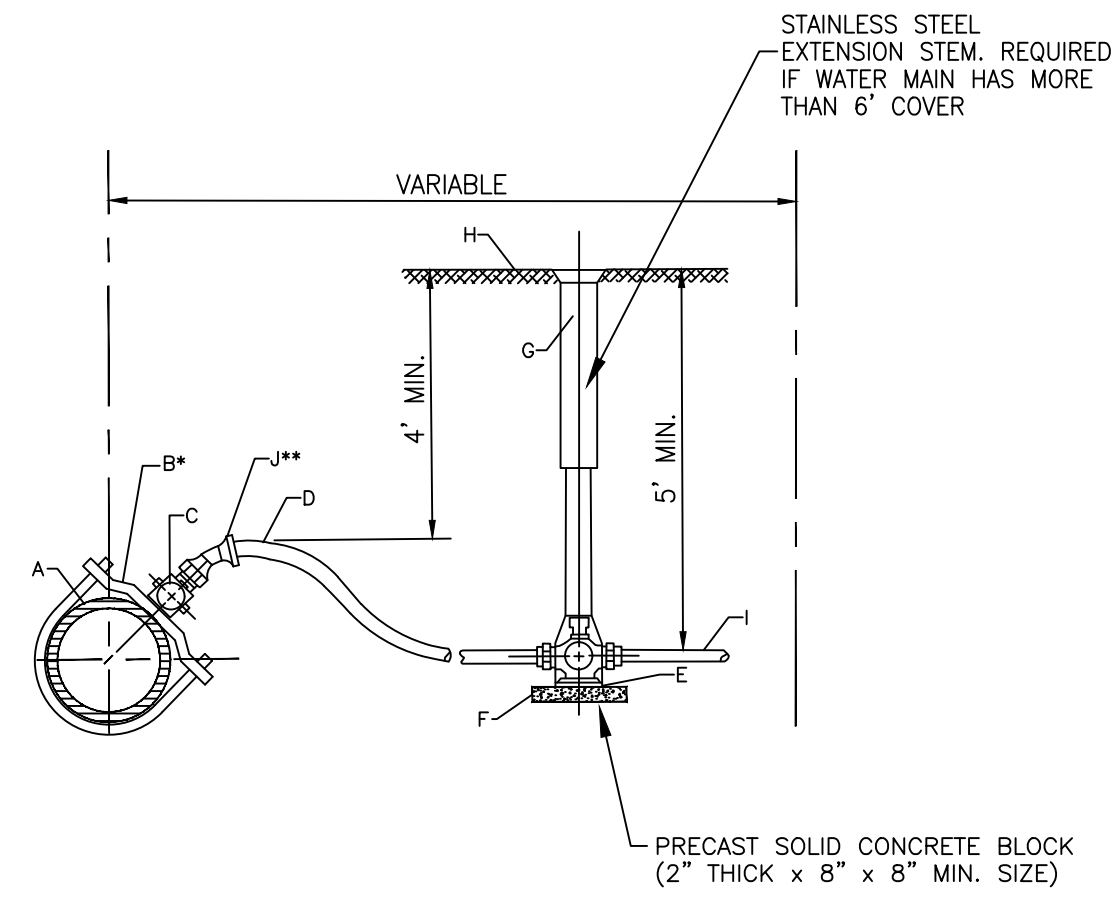
NOT TO SCALE

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.



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

CONSTRUCTION NOTES

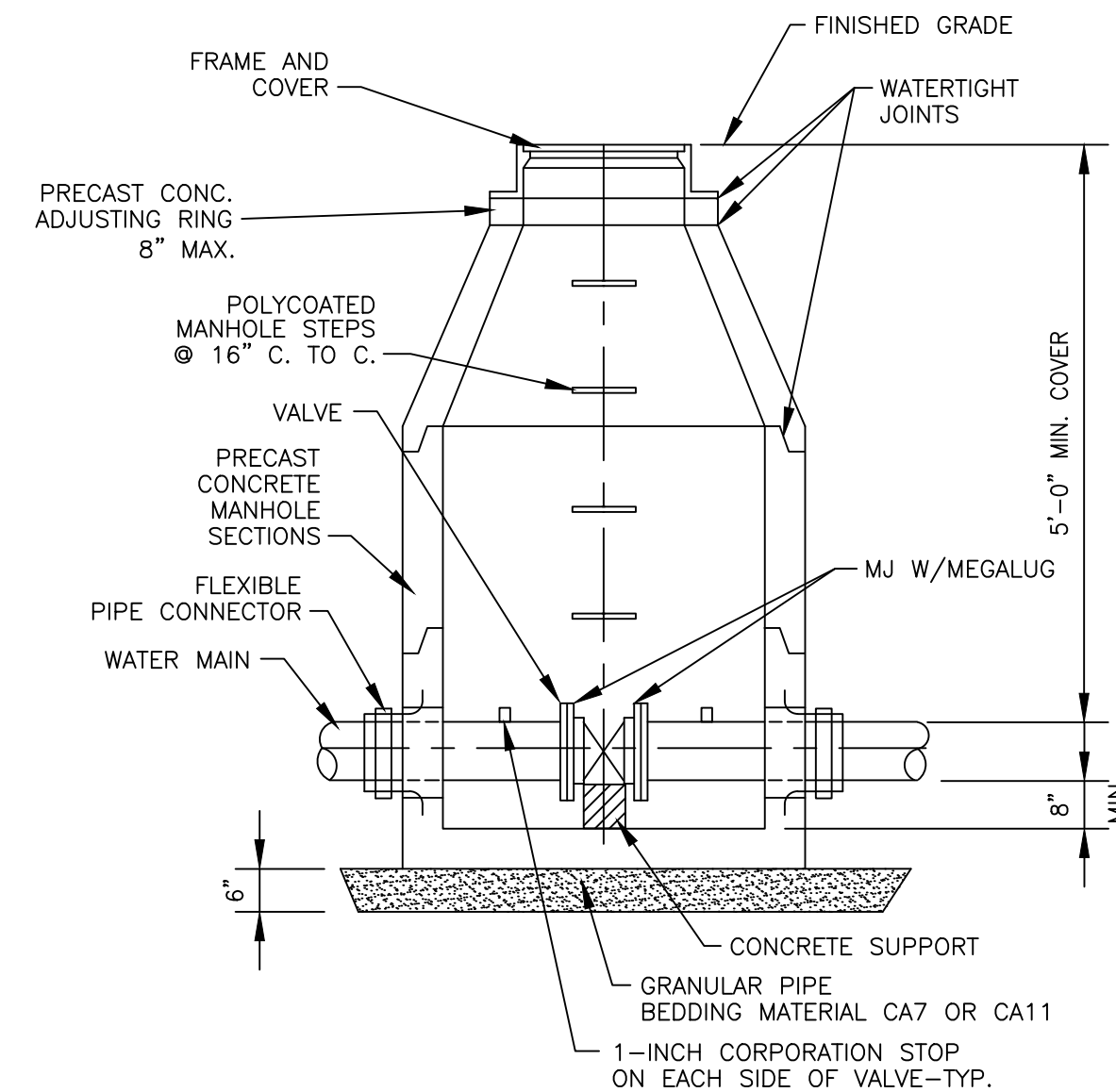
NOT TO SCALE

CITY OF JOLIET, ILLINOIS

WATER SERVICE  
 CONNECTION DETAIL  
 WTR-06

DATE: OCT. 2020

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



NOTES:

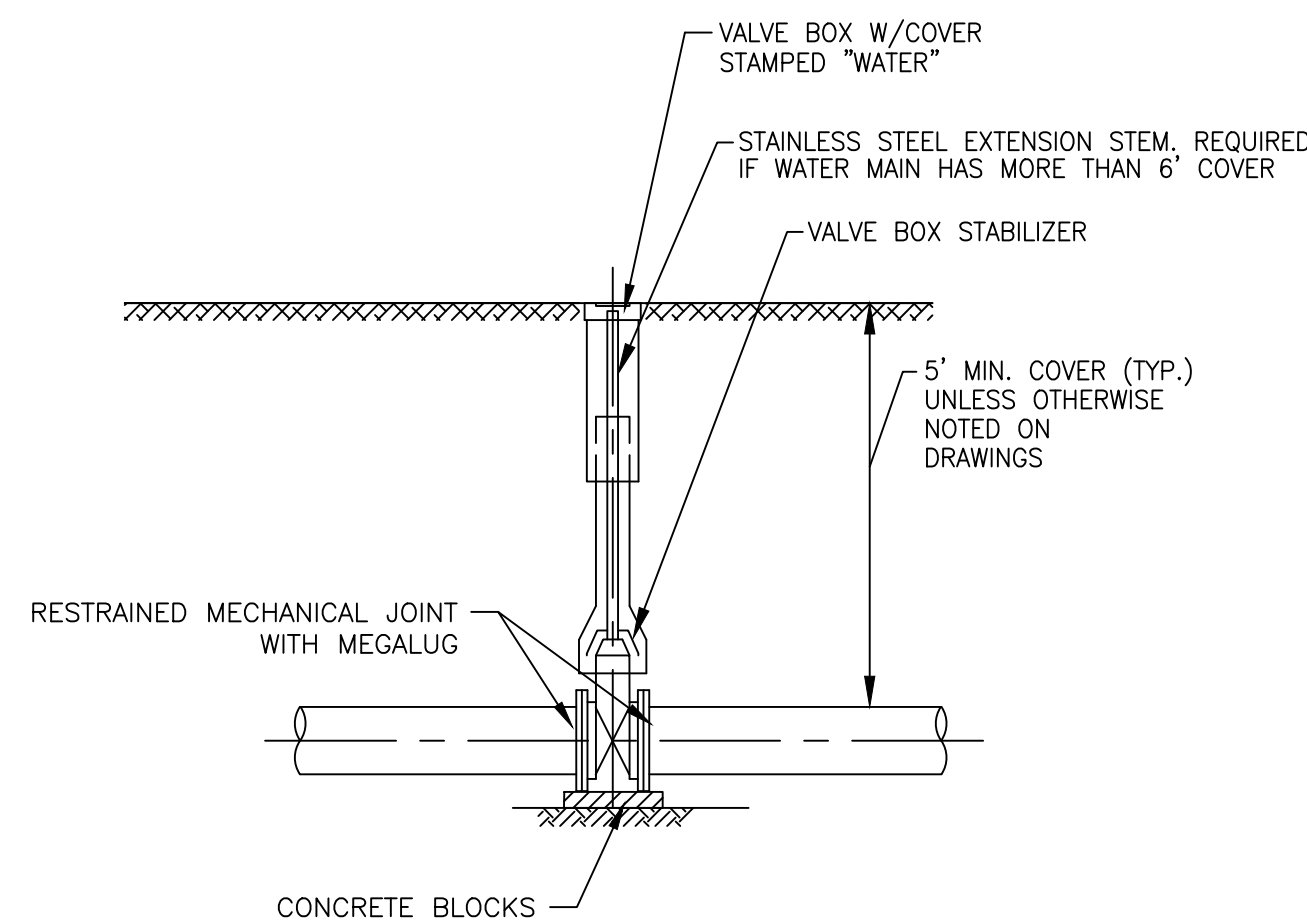
- CONCENTRIC CONE REQUIRED FOR GATE VALVES, ECCENTRIC CONE REQUIRED FOR BUTTERFLY VALVES.
- USE 4'-0" DIAMETER FOR WATER MAIN SIZES 4" THRU 10", 5'-0" FOR SIZES 12" OR GREATER
- PROVIDE CAST IRON FRAME AND COVER WITH HEAVY DUTY LID, STAMPED WITH "CITY OF JOLIET" AND "WATER".  
 EJ 1050Z1

NOT TO SCALE

CITY OF JOLIET, ILLINOIS

WATER VALVE VAULT  
 DETAIL  
 WTR-01

DATE: OCT. 2017

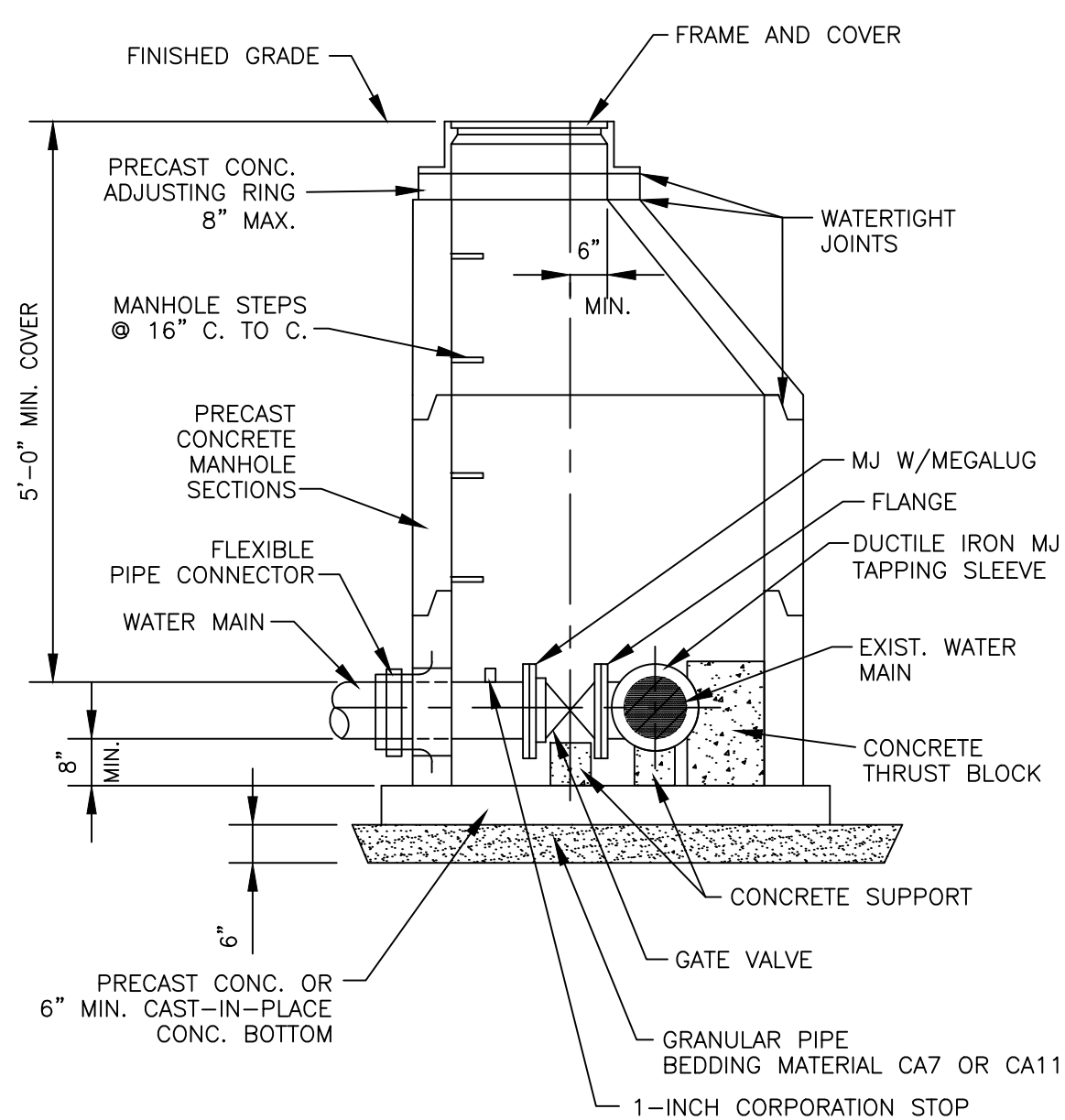


NOT TO SCALE

CITY OF JOLIET, ILLINOIS

WATER VALVE BOX  
 DETAIL  
 WTR-02

DATE: OCT. 2017



NOTES:

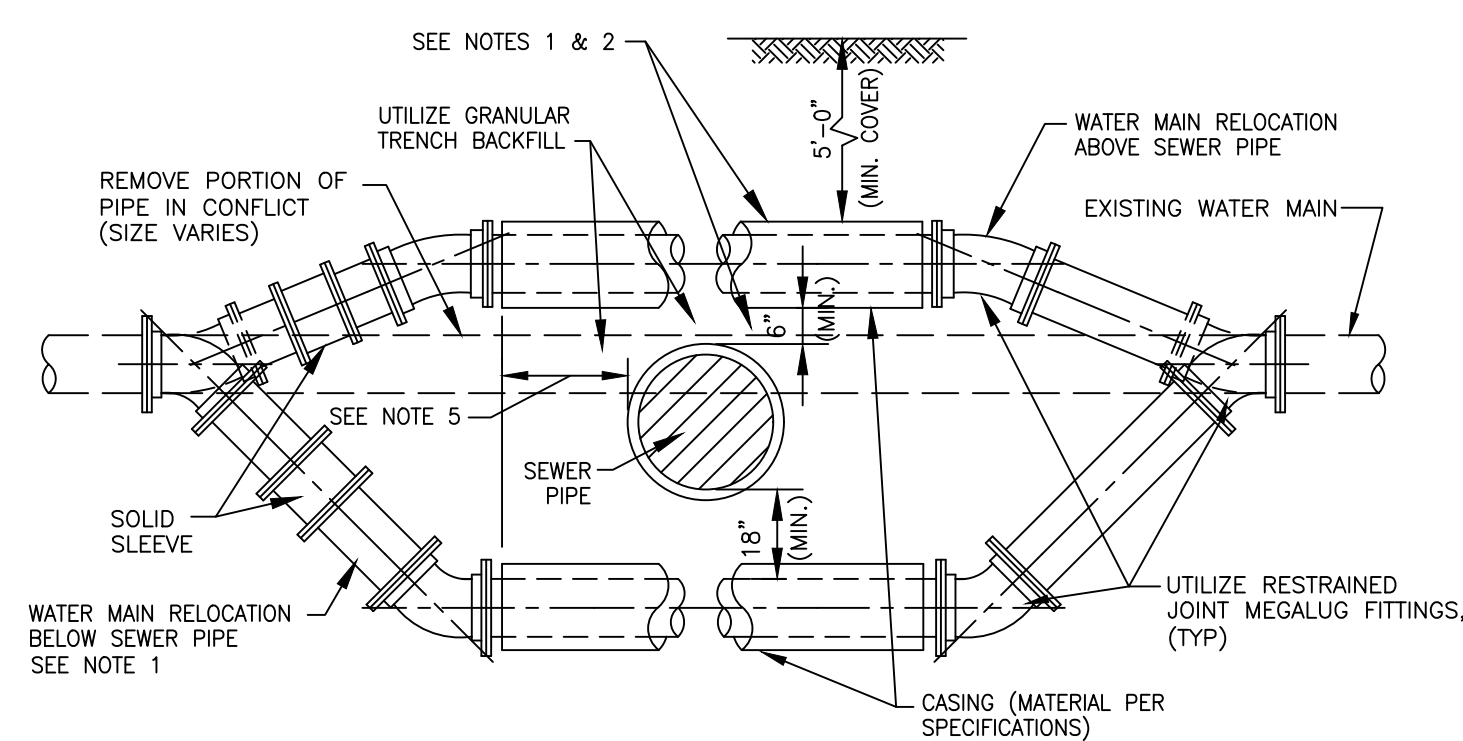
- ECCENTRIC CONE REQUIRED
- USE 4'-0" DIAMETER FOR WATER MAIN SIZES 4" THRU 8", USE 5'-0" DIAMETER FOR WATER MAIN SIZES 10" THRU 14", USE 6'-0" DIAMETER (OR LARGER PER DESIGNER) FOR WATER MAIN SIZES 16" OR GREATER.
- PROVIDE CAST IRON FRAME AND COVER WITH HEAVY DUTY LID, STAMPED WITH "CITY OF JOLIET"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

NOT TO SCALE

CITY OF JOLIET, ILLINOIS

PRESSURE CONNECTION  
 DETAIL  
 WTR-07

DATE: OCT. 2017



- NOTES:
- 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.
  - WHEN WATER MAIN CROSSES ABOVE SEWER AND MAINTAINS THE REQUIRED 18" OF SEPARATION, THE CASING PIPE IS NOT REQUIRED.
  - WATER MAIN RELOCATIONS ARE SUBJECT TO INSPECTION AT NORMAL SYSTEM PRESSURE BEFORE BURIAL.
  - USE ONLY 45 DEGREE BENDS UNLESS OTHERWISE PERMITTED BY THE ENGINEER.
  - 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

P:\JOL\211917-2023 WATER MAIN PROGRAM\CAD\BLACK ROAD ACRES PH 1\01\_CIVIL\_3D\01\_SHTS-PLANS\211917-COVER\_GEN\_DET-BLACK ROAD ACRES PH 1.DWG DETAILS (2)  
 Plotted: 10/25/2022 1:24 PM By: JSLAGER  
 Copyright © 2022, By: Baxter & Woodman, Inc.  
 State of Illinois - Professional Design Firm  
 License No. - 184-001121 - Expires 4-30-23



CONSULTANTS	REVISED -

**CITY OF JOLIET, ILLINOIS**  
**BLACK ROAD ACRES PHASE 1 WATER MAIN IMPROVEMENTS**  
**CITY OF JOLIET CONTRACT NO. 2680-0123**

SCALE: AS NOTED

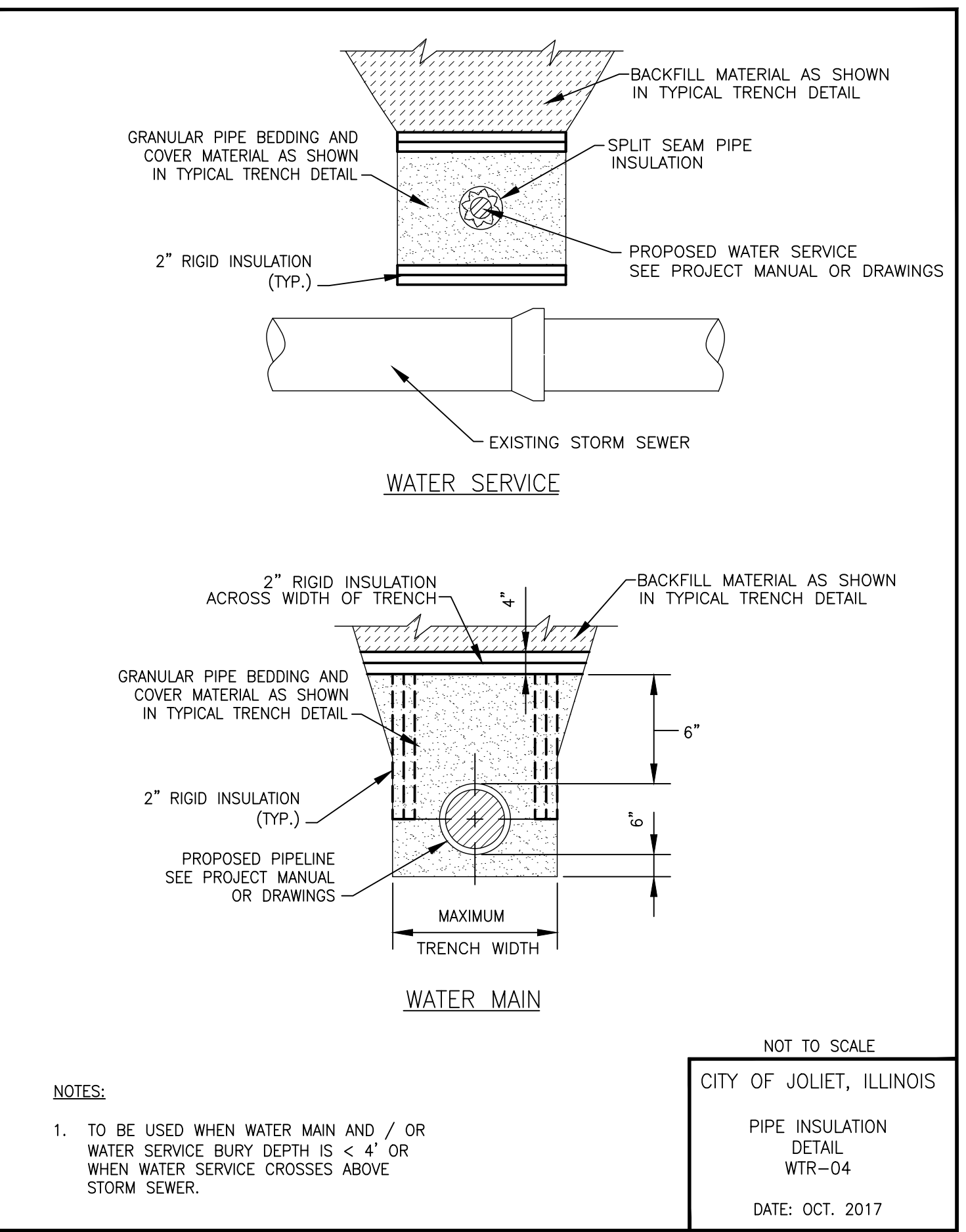
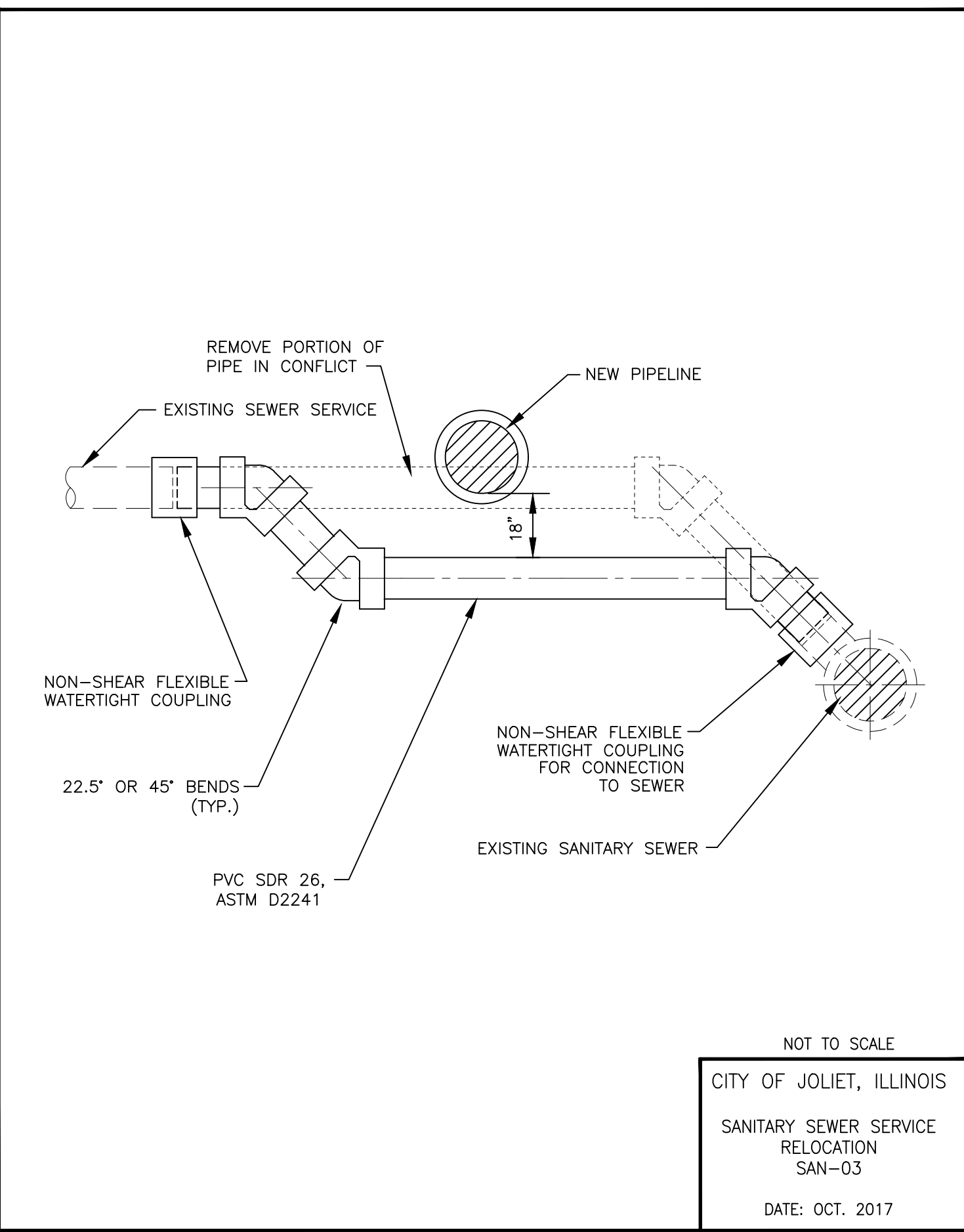
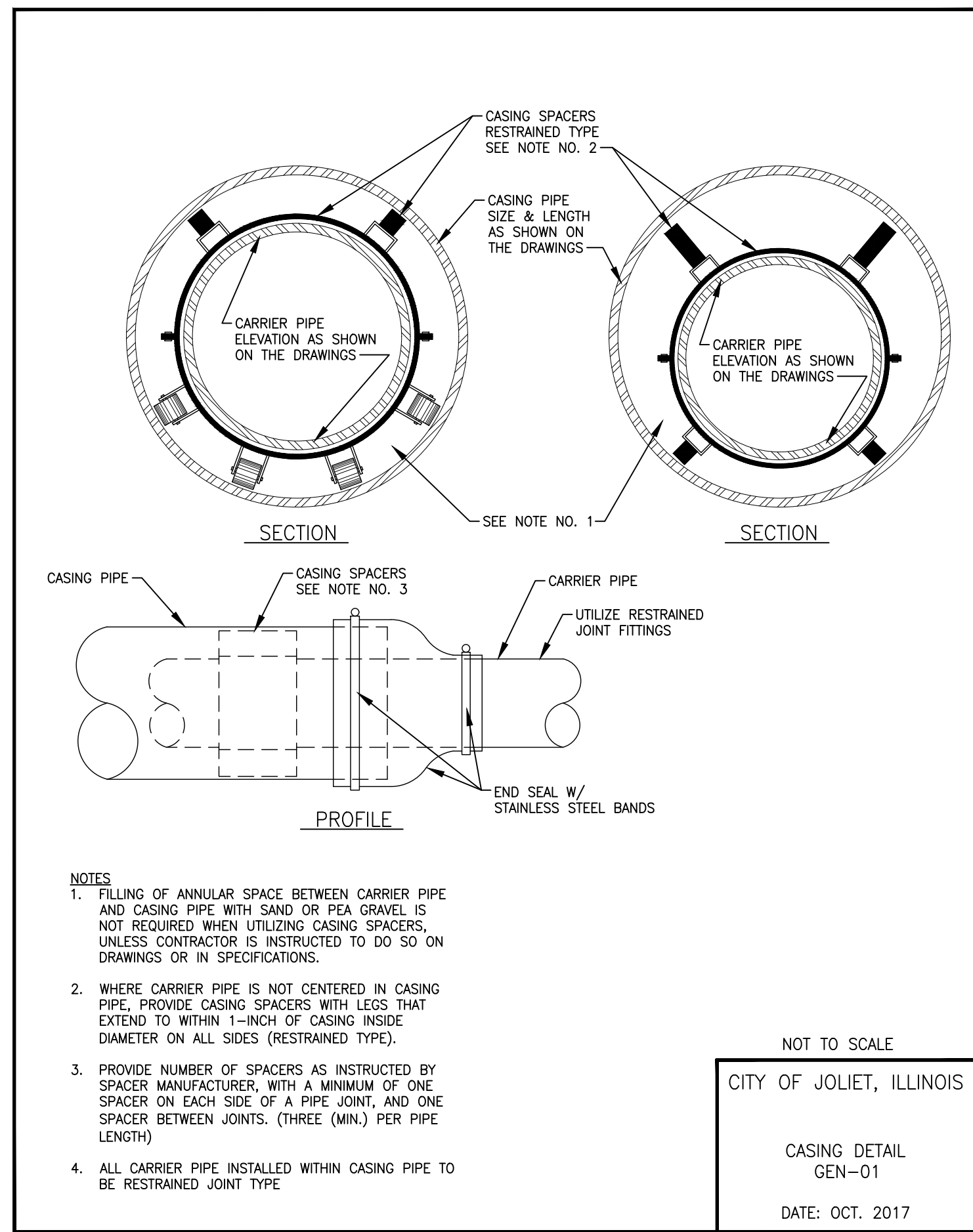
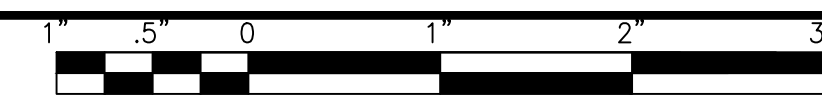
DETAILS

PROJECT NO: 211917

DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - JJS	41	40
CHECKED - LMS		
DATE - 10/27/2022		

FINAL DESIGN  
 FOR BIDDING





NOT TO SCALE  
CITY OF JOLIET, ILLINOIS  
POLYWRAPPED DI RJT DETAIL  
RJT-01  
DATE: OCT. 2022

FITTING TYPE	DI-RESTRAINT JOINT TYPE PIPE LENGTH (FEET)					
	DIAMETER (IN)					
	4"	6"	8"	10"	12"	16"
<b>HORIZONTAL BEND</b>						
11.25°	5	5	5	5	5	5
22.5°	5	5	5	5	10	10
45°	5	10	10	10	15	15
90°	15	20	20	25	30	40
<b>VERTICAL BEND</b>						
45°	20	25	35	40	45	60
TEE	5	5	5	5	5	5
VALVE (OPERATING PRESSURE)	20	30	35	45	50	65
VALVE (TESTING PRESSURE)	40	60	75	90	105	135
<b>REDUCER</b>						
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	-

NOT TO SCALE  
CITY OF JOLIET, ILLINOIS  
POLYWRAPPED PVC RJT DETAIL  
RJT-02  
DATE: OCT. 2022

FITTING TYPE	PVC-RESTRAINT JOINT TYPE PIPE LENGTH (FEET)					
	DIAMETER (IN)					
	4"	6"	8"	10"	12"	16"
<b>HORIZONTAL BEND</b>						
11.25°	5	5	5	5	5	5
22.5°	5	5	5	5	5	10
45°	5	10	10	10	15	15
90°	10	15	15	20	25	35
<b>VERTICAL BEND</b>						
45°	15	15	20	25	30	40
TEE	5	5	5	5	5	5
VALVE (OPERATING PRESSURE)	15	20	25	30	35	45
VALVE (TESTING PRESSURE)	30	40	50	60	70	90
<b>REDUCER</b>						
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	-

P:\JOLTC\211917-2023 WATER MAIN PROGRAM\CAD\BLACK ROAD ACRES PH 1\01\_CIVIL\_3D\01\_SHTS-PLANS\211917-COVER\_GEN\_DETETS-BLACK ROAD ACRES PH 1.DWG DETAILS (3)  
 Plotted: 10/25/2022 1:24 PM By: JSLAGER  
 Copyright © 2022, By: Baxter & Woodman, Inc.  
 State of Illinois - Professional Design Firm  
 License No. - 184-001121 - Expires 4-30-23



CONSULTANTS	REVISED -
	REVISED -
	REVISED -
	REVISED -

**CITY OF JOLIET, ILLINOIS**  
**BLACK ROAD ACRES PHASE 1 WATER MAIN IMPROVEMENTS**  
**CITY OF JOLIET CONTRACT NO. 2680-0123**

SCALE:	AS NOTED	PROJECT NO:	211917
--------	----------	-------------	--------

DESIGNED - RMM	TOTAL SHEETS	SHEET NO.
DRAWN - JJS	41	41
CHECKED - LMS		
DATE - 10/27/2022		

FINAL DESIGN FOR BIDDING