FINAL DESIGN
FOR BIDDING

CITY OF JOLIET, ILLINOIS

SPRING CREEK PHASE 1 WATER MAIN IMPROVEMENTS

CITY OF JOLIET CONTRACT NO.2767-0124

WATER MAIN REPLACEMENT IPEA LOAN NO. L17-6075

LEAD SERVICE REPLACEMENT IEPA LOAN NO. L17-5747



VICINITY MAP

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32	EAST JACKSON STREET STA. 130+00 TO STA. 135+50 PLAN AND PROFILE
33	EAST JACKSON STREET STA. 135+50 TO STA. 140+50 PLAN AND PROFILE
34	EAST JACKSON STREET STA. 140+50 TO STA. 146+00 PLAN AND PROFILE
35	OHIO STREET STA. 150+00 TO STA. 154+50 PLAN AND PROFILE
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37	COLUMBIA STREET STA. 160+00 TO STA. 164+50 PLAN AND PROFILE
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41	ELWOOD AVENUE STA. 184+50 TO STA. 187+50 PLAN AND PROFILE
42	WARD AVENUE STA. 190+00 TO STA. 195+00 PLAN AND PROFILE
43	WARD AVENUE STA. 195+00 TO STA. 200+00 PLAN AND PROFILE
44	CN RAILWAY STA. 205+00 TO STA 207+92 PLAN AND PROFILE
45	EAST JACKSON STREET STA. 130+00 TO STA. 140+50 RESTORATION PLAN
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56	IDOT STANDARD DETAILS

J.U.L.I.E. DESIGN STAGE REQUEST
DIG NO. A22332255
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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1" .5" 0 1" 2" 3"

MICHAEL KENNY
062-70246
LICENSED PROFESSIONAL ENGINEER
OF
STATE OF ILLINOIS

PROJECT MANAGER
"LICENSE EXPIRES 11-30-2023"

PROJECT ENGINEER

BAXTER & WOODMAN
Consulting Engineers
www.baxterwoodman.com

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

PROJECT NO.: 221587.40 DATE: 10/12/2023

P:\JOLTC\221587-2024 WATER MAIN SURV\CAD\SPRING CREEK PHASE 1\01_CIVIL 3D\01_SHTS-PLANS\221587-SPRING CREEK PHASE 1_COVER_GEN_DETS.DWG COVER
Plotted: 10/10/2023 8:58 AM By: AMAKKAOUI

NO SCALE

ABE STREET
ELWOOD AVENUE
COLUMBIA STREET
JACKSON STREET
HENDERSON AVENUE
LANDAU AVENUE
GARNSEY AVENUE
WARD AVENUE
OHIO ST.

SHT. 31
SHT. 30
SHT. 29
SHT. 28
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BM #68
BM #69

FINAL DESIGN
FOR BIDDING

BAXTER & WOODMAN Consulting Engineers	CONSULTANTS	REVISED –	CITY OF JOLIET, ILLINOIS SPRING CREEK PHASE 1 WATER MAIN IMPROVEMENTS CITY OF JOLIET CONTRACT NO.2767-0124
		REVISED –	
		REVISED –	
		REVISED –	

SHEET KEY

SCALE: AS NOTED | PROJECT NO: 221587.40

DESIGNED – RMM	TOTAL SHEETS	SHEET NO.
DRAWN – AAM/JJS		
CHECKED – MJK	56	2
DATE – 10/12/2023		

P:\JOLITC\221587-2024 WATER MAIN SURV\CAD\SPRING CREEK PHASE 1\01_CIVIL 3D\01_SHTS-PLANS\221587-SPRINGCREEK-SHEET KEY.DWG BW_IL_34X22
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LEGEND

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

LEGEND

EXISTING		PROPOSED
EM	ELECTRIC METER	
ET	PAD MOUNTED TRANSFORMER	
EV	ELECTRIC VAULT	
JB	JUNCTION BOX	
	UTILITY POLE	
	UTILITY POLE w/ GUY ANCHOR	
	UTILITY POLE w/ LIGHT	
	LIGHT STANDARD	
MB	MAIL BOX	
	STREET SIGN	
	RAILROAD SIGNAL	
	TRAFFIC SIGNAL CONTROLLER	
	TRAFFIC SIGNAL POST W/ SIGNAL HEAD	
	HANDHOLE	
12"	DECIDUOUS TREE (W/ TRUNK INCH DIA.)	12" (HATCHED SHALL BE REMOVED)
16"	CONIFEROUS TREE (W/ HEIGHT)	16" (HATCHED SHALL BE REMOVED)
	DECIDUOUS BUSH	
	CONIFEROUS BUSH	
	DEFINING EDGE OF BRUSH OR FORESTED AREA	
—X—X—X—X—	FENCE	
	GUARD RAIL	
	CULVERT (CMP UNLESS NOTED)	
— · · · — DL — · · · — DL —	DITCH	
EXIST. R.O.W.	RIGHT OF WAY (ROW)	
ROW	RIGHT OF WAY MONUMENT	
P.L. P.L.	UNFENCED PROPERTY LINE	
IP	IRON PIPE (PROPERTY CORNER)	
	CENTER LINE	——— – ———
625.35 / 625.9 +25	PROPOSED EL./EXISTING EL. and STATION	
#	SOIL BORING AND NUMBER	
B.M. CP	BENCH MARK	
	SURVEY CONTROL POINT	
OH	OVERHEAD ELECTRICAL	
	SUMMIT	
	RIPRAP	
	ROADWAY DITCH FLOW	
	SWALE	

BENCHMARKS (NAVD 88 DATUM)

B.M. # 51	RAILROAD SPIKE SET IN NORTH FACE POWER POLE WITH LIGHT AT SOUTH EAST CORNER OF GARNSEY AVENUE AND JACKSON EAST ELEV. = 549.305
B.M. # 52	RAILROAD SPIKE SET IN WEST FACE POWER POLE AT THE NORTH EAST CORNER OF GARNSEY AVENUE AND OHIO STREET ELEV. = 548.084
B.M. # 53	RAILROAD SPIKE SET IN NORTH WEST FACE POWER POLE WITH LIGHT AT THE SOUTH EAST CORNER OF GARNSEY AVENUE AND COLUMBIA STREET ELEV. = 548.556
B.M. # 54	RAILROAD SPIKE SET IN NORTH WEST FACE POWER POLE WITH LIGHT AT THE SOUTH EAST CORNER OF GARNSEY AVENUE AND WARD AVENUE ELEV. = 549.966
B.M. # 55	RAILROAD SPIKE SET IN EAST FACE POWER POLE WITH LIGHT AT THE SOUTH WEST CORNER OF LANDAU AVENUE AND WARD AVENUE ELEV. = 551.251
B.M. # 56	RAILROAD SPIKE SET IN WEST FACE POWER POLE WITH LIGHT AT THE AT THE ADDRESS OF 664 LANDAU AVENUE ELEV. = 550.719
B.M. # 57	RAILROAD SPIKE SET IN EAST FACE POWER POLE AT THE NORTH WEST CORNER OF LANDAU AVENUE AND OHIO STREET ELEV. = 549.205
B.M. # 58	RAILROAD SPIKE SET IN EAST FACE POWER POLE AT THE NORTH WEST CORNER OF LANDAU AVENUE AND OHIO STREET ELEV. = 549.205
B.M. # 59	NAIL SET ON NORTH FACE OF POWER POLE WITH LIGHT SET AT THE ADDRESS 652 JACKSON STREET ELEV. = 548.346
B.M. # 60	RAILROAD SPIKE SET IN SOUTHWEST FACE POWER POLE AT THE NORTH EAST CORNER OF JACKSON STREET AND LANDAU AVENUE ELEV. = 547.722
B.M. # 61	RAILROAD SPIKE SET IN EAST FACE POWER POLE WITH LIGHT AT THE ADDRESS 431 HENDERSON AVENUE ELEV. = 549.857
B.M. # 62	RAILROAD SPIKE SET IN EAST SIDE POWER POLE WITH LIGHT AT THE NORTH WEST CORNER OF HENDERSON AVENUE AND OHIO STEET ELEV. = 551.631
B.M. # 63	RAILROAD SPIKE SET IN EAST FACE POWER POLE WITH LIGHT AT THE ADDRESS 701 HENDERSON AVENUE ELEV. = 552.481
B.M. # 64	RAILROAD SPIKE SET IN EAST FACE POWER POLE WITH LIGHT AT THE SOUTH WEST CORNER OF HENDERSON AVENUE AND WARD AVENUE ELEV. = 553.66
B.M. # 65	RAILROAD SPIKE SET IN NORTH EAST FACE POWER POLE WITH LIGHT THE CONRER SOUTH WEST CORNER OF ABE STREET AND ELWOOD AVENUE ELEV. = 553.925
B.M. # 67	RAILROAD SPIKE SET IN WEST FACE POWER POLE WITH LIGHT AT THE SOUTH EAST CORNER OF ABE STREET AND COLUMBIA STREET ELEV. = 552.126
B.M. # 68	RAILROAD SPIKE SET IN WEST FACE POWER POLE AT THE ADDRESS 512 ABE STREET ELEV. = 551.431
B.M. # 69	RAILROAD SPIKE SET IN NORTH FACE POWER POLE LOCATED AT THE NORTH EAST INTERSECTION OF ABE STREET AND EAST JACKSON STREET ELEV. = 550.059

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

HIGHWAY STANDARDS

442201–03	CLASS C AND D PATCHES
701001–02	OFF–RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY
701006–05	OFF–RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 m) FROM PAVEMENT EDGE
701011–04	OFF–RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701502–09	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701601–09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701701–10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801–06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
704001–08	TEMPORARY CONCRETE BARRIER
782006–01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

DISTRICT ONE DETAILS

TC–10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC–13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC–14	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
TC–21	DETOUR SIGNING FOR CLOSING STATE HIGHWAYS
TC–22	ARTERIAL ROAD INFORMATION SIGN

FINAL DESIGN
FOR BIDDING

P:\JOLTC\221587–2024 WATER MAIN SURV\CAD\SPRING CREEK PHASE 1\01_CIVIL 3D\01_SHTS–PLANS\221587–SPRING CREEK PHASE 1_COVER_GEN_DETS.DWG LEGEND BENCHMARKS ABBREVIATIONS
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BAXTER & WOODMAN consulting engineers

CONSULTANTS	REVISED –
	REVISED –
	REVISED –
	REVISED –

CITY OF JOLIET, ILLINOIS
SPRING CREEK PHASE 1 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO.2767–0124

LEGEND, BENCHMARKS AND ABBREVIATIONS

SCALE: AS NOTED | PROJECT NO: 221587.40

DESIGNED –	RMM
DRAWN –	AAM/JJS
CHECKED –	MJK
DATE –	10/12/2023

TOTAL SHEETS	SHEET NO.
56	3

CITY OF JOLIET WATER SYSTEM GENERAL NOTES

1. 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.

2. 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

3. 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.

4. 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".

5. 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.

6. NOTIFY THE CITY'S PUBLIC UTILITIES DEPARTMENT IMMEDIATELY IF EXISTING LEAD WATER SERVICES ARE DISCOVERED.

7. PROVIDE PROPERTY OWNERS ADVANCE NOTICE OF CONSTRUCTION ACTIVITIES THAT WILL RESTRICT THE USE OF THEIR DRIVEWAYS.

8. DO NOT STORE BEDDING AND BACKFILL MATERIALS, PIPES, FITTINGS, VAULTS, OR OTHER MATERIALS IN AREAS THAT WILL OBSTRUCT SIGHT LINES FOR STREETS AND DRIVEWAYS.

9. 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.

10. 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.

11. PROVIDE COMPRESSION TYPE FIRE HYDRANTS WITH A 5¼–INCH MINIMUM SIZE MAIN VALVE ASSEMBLY, O–RING SEALS, TWO 2½–INCH HOSE NOZZLES, AND A 4½–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.

12. PROVIDE A TEMPORARY COVERING OVER ALL NEW FIRE HYDRANTS UNTIL ALL NEW WATER MAINS ARE PUT INTO SERVICE AND NEW FIRE HYDRANTS ARE OPERABLE.

13. 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.

14. 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.

15. 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.

16. 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.

17. 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.

18. CITY OF JOLIET WILL ALLOW TESTING NEW WATER MAIN AGAINST EXISTING VALVES OR AGAINST A CAP WHERE A NEW VALVE IS NOT PRESENT.

19. 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.

20. 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.

21. 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.

22. 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.

23. 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.

- N GARNSEY AVENUE, LANDAU AVENUE, ABE STREET, OHIO STREET, COLUMBIA STREET, ELWOOD AVENUE, AND WARD AVENUE SHALL HAVE 2.5 INCHES OF BINDER AND 1.5 INCHES OF SURFACE COURSE.
- HENDERSON AVENUE SHALL HAVE 4 INCHES OF BINDER AND 2 INCHES OF SURFACE COURSE.
- US 6 / E JACKSON STREET SHALL HAVE 10 INCHES OF BINDER AND 2 INCHES OF SURFACE COURSE.

23. 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.

24. CONTRACTOR TO COMPLY WITH PROJECT MILESTONES AND REQUIREMENTS SPECIFIED IN SUPPLEMENTARY CONDITIONS AND SECTION 01 31 13.16

25. 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.

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 FOR THE INSTALLATION OF THE WATER MAIN.

SUMMARY OF QUANTITIES

No.	PAY ITEM	UNIT	QUANTITY
PART A – WATER MAIN IMPROVEMENTS			
1	PRECONSTRUCTION VIDEO RECORDING	LSUM	1
2	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	LSUM	1
3	GRANULAR TRENCH BACKFILL	CUYD	8,300
4	TRENCH BACKFILL (SPECIAL)	CUYD	1,500
5	WATER MAIN (OPEN CUT), 4–INCH	FOOT	15
6	WATER MAIN (OPEN CUT), 6–INCH	FOOT	1,218
7	WATER MAIN (OPEN CUT), 6–INCH DI	FOOT	346
8	WATER MAIN (OPEN CUT), 8–INCH	FOOT	8,488
9	WATER MAIN (OPEN CUT), 8–INCH DI	FOOT	443
10	WATER MAIN (OPEN CUT), 12–INCH DI	FOOT	791
11	WATER MAIN (OPEN CUT), 16–INCH DI	FOOT	3,174
12	WATER MAIN (IN BORED CASING), 8–INCH IN 24–INCH CASING	FOOT	142
13	WATER MAIN (IN BORED CASING), 16–INCH IN 30–INCH CASING	FOOT	66
14	CASING PIPE (OPEN CUT), 16–INCH	FOOT	90
15	CASING PIPE (TUNNELING UNDER SEWER), 16–INCH	FOOT	133
16	CASING PIPE (TUNNELING UNDER SEWER), 30–INCH	FOOT	45
17	MISCELLANEOUS FITTINGS	POUND	17,000
18	CONNECT TO WATER MAIN (NON–PRESSURE), 4–INCH	EACH	1
19	CONNECT TO WATER MAIN (NON–PRESSURE), 6–INCH	EACH	3
20	CONNECT TO WATER MAIN (NON–PRESSURE), 8–INCH	EACH	6
21	GATE VALVE, 4–INCH	EACH	1
22	GATE VALVE, 6–INCH	EACH	4
23	GATE VALVE, 8–INCH	EACH	29
24	GATE VALVE, 12–INCH	EACH	3
25	BUTTERFLY VALVE, 16–INCH	EACH	13
26	VALVE BOX	EACH	4
27	VALVE VAULT, 4–FOOT DIAMETER	EACH	30
28	VALVE VAULT, 5–FOOT DIAMETER	EACH	16
29	VALVE VAULT (ADDITIONAL DEPTH), 4–FOOT DIAMETER	VFT	4
30	VALVE VAULT (ADDITIONAL DEPTH), 5–FOOT DIAMETER	VFT	1
31	FIRE HYDRANT	EACH	37
32	FIRE HYDRANT BARREL EXTENSION	VFT	7
33	LINE STOP, 6–INCH	EACH	1
34	LINE STOP, 8–INCH	EACH	1
35	SANITARY SEWER REMOVAL AND REPLACEMENT, 12–INCH	FOOT	50
36	STORM SEWER REMOVAL AND REPLACEMENT, 10–INCH	FOOT	70
37	STORM SEWER REMOVAL AND REPLACEMENT, 12–INCH	FOOT	51
38	REMOVE AND REPLACE STORM SEWER STRUCTURE, TYPE A INLET, 2–FOOT DIAMETER	EACH	14
39	FILLING OF EXISTING PIPE FOR RETIREMENT	CUYD	40
40	RETIREMENT OF EXISTING WATER MAINS AND APPURTENANCES	LSUM	1
41	WATER SERVICE CONNECTION TO WATER MAIN AND CURB STOP, 1–INCH	EACH	343
42	WATER SERVICE CONNECTION TO WATER MAIN AND CURB STOP, 1.5–INCH	EACH	2
43	WATER SERVICE CONNECTION TO WATER MAIN AND CURB STOP, 2–INCH	EACH	2
44	WATER SERVICE LINE TYPE K – OPEN CUT, 1–INCH	FOOT	1,840
45	WATER SERVICE LINE TYPE K – OPEN CUT, 1.5–INCH	FOOT	20
46	WATER SERVICE LINE TYPE K – OPEN CUT, 2–INCH	FOOT	20
47	WATER SERVICE LINE TYPE K – DIRECTIONAL DRILLING, 1–INCH	FOOT	6,120
48	WATER SERVICE LINE TYPE K – DIRECTIONAL DRILLING, 1.5–INCH	FOOT	60
49	WATER SERVICE LINE TYPE K – DIRECTIONAL DRILLING, 2–INCH	FOOT	60
50	WATER SERVICE CASING PIPE	FOOT	280

51	PROJECT MANAGEMENT	HOUR	30
52	UTILITY LOCATION – PRIVATE PROPERTY	EACH	10
53	LANDSCAPING PROJECT MANAGEMENT	HOUR	20
54	LANDSCAPING RESTORATION ALLOWANCE	EACH	10
55	SHRUB AND BRUSH DISPOSAL	EACH	20
56	FENCE TO BE REMOVED AND RE–ERECTED	FOOT	50
57	CRIMP WATER SERVICE	EACH	10
58	CLEARING	LSUM	1
59	REMOVE AND REPLACE DRAIN TILES, 6–INCH THROUGH 12–INCH	FOOT	340
60	ADJUSTING SANITARY SEWER SERVICE LINE	EACH	116
61	EXPLORATORY EXCAVATION	EACH	12
62	INLET PROTECTION FILTER	EACH	133
63	RESTORATION OF LAWNS AND PARKWAYS	SQYD	1,000
64	TEMPORARY HOT–MIX ASPHALT PAVEMENT	SQYD	1,000
65	CLASS D PATCH	SQYD	1,250
66	HOT–MIX ASPHALT REMOVAL AND REPLACEMENT, 2.5–INCH BINDER 1.5–INCH SURFACE	SQYD	6,900
67	HOT–MIX ASPHALT REMOVAL AND REPLACEMENT, 4–INCH BINDER 2–INCH SURFACE	SQYD	1,700
68	HOT–MIX ASPHALT REMOVAL AND REPLACEMENT, 1.5–INCH SURFACE	SQYD	2,700
69	HOT–MIX ASPHALT DRIVEWAY REMOVAL AND REPLACEMENT, 3–INCH	SQYD	480
70	PCC DRIVEWAY REMOVAL AND REPLACEMENT, 6–INCH	SQYD	310
71	PCC DRIVEWAY REMOVAL AND REPLACEMENT, 8–INCH	SQYD	40
72	GRAVEL DRIVEWAY REMOVAL AND REPLACEMENT	SQYD	50
73	CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	4,150
74	PCC SIDEWALK REMOVAL AND REPLACEMENT	SQFT	12,700
75	BRICK SIDEWALK REMOVAL AND REPLACEMENT	SQFT	20
76	DETECTABLE WARNINGS	SQFT	30
77	PAVEMENT MARKING – LINE, 4–INCH (THERMOPLASTIC)	FOOT	2,200
78	PAVEMENT MARKING – LINE, 6–INCH (THERMOPLASTIC)	FOOT	1,790
79	PAVEMENT MARKING – LINE, 12–INCH (THERMOPLASTIC)	FOOT	190
80	PAVEMENT MARKING – LINE, 24–INCH (THERMOPLASTIC)	FOOT	130
81	PAVEMENT MARKING – LETTERS AND SYMBOLS	SQFT	70
82	PAVEMENT MARKING REMOVAL, WATER BLASTING	SQFT	2,690
83	TEMPORARY PAVEMENT MARKING TAPE – TYPE IV – LINE 4"	FOOT	13,260
84	SHORT TERM PAVEMENT MARKING REMOVAL	SQFT	4,420
85	TEMPORARY CONCRETE BARRIER	FOOT	500
86	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	200
87	PINNING TEMPORARY CONCRETE BARRIER	EACH	240
88	IMPACT ATTENUATORS, TEMPORARY (NON–REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2
89	IMPACT ATTENUATORS, TEMPORARY RELOCATE (NON–REDIRECTIVE, NARROW), TEST LEVEL 4	EACH	2
90	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
91	DETECTOR LOOP REPLACEMENT, TYPE 1	FOOT	200
92	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	12
93	BARRIER WALL REFLECTORS, TYPE C	EACH	40
94	TREE ROOT PRUNING	EACH	16
95	TREE TRIMMING	LSUM	1
96	TREE REMOVAL AND REPLACEMENT, 6–INCH THROUGH 12–INCH	EACH	1
97	TREE REMOVAL AND REPLACEMENT, OVER 12 INCH	EACH	1
98	DUST CONTROL	DAY	55
99	ROCK EXCAVATION	CUYD	500
100	REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL	CUYD	170
101	SOIL TESTS FOR CONTAMINANTS	EACH	24
102	CONTAMINATED WASTE DISPOSAL	CUYD	170

PART B – LEAD SERVICE LINE IMPROVEMENTS			
103	PROJECT MANAGEMENT (LEAD SERVICE REPLACEMENT)	HOUR	519
104	WATER SERVICE LINE TYPE K – DIRECTIONAL DRILLING, 1–INCH (LEAD SERVICE REPLACEMENT)	FOOT	4,275
105	WATER SERVICE LINE TYPE K – DIRECTIONAL DRILLING, 1.5–INCH (LEAD SERVICE REPLACEMENT)	FOOT	25
106	WATER SERVICE LINE TYPE K – DIRECTIONAL DRILLING, 2–INCH (LEAD SERVICE REPLACEMENT)	FOOT	25
107	WATER SERVICE LINE TYPE L (LEAD SERVICE REPLACEMENT), 3/4–INCH	FOOT	25
108	WATER SERVICE LINE TYPE L (LEAD SERVICE REPLACEMENT), 1–INCH	FOOT	875
109	WATER SERVICE LINE TYPE L (LEAD SERVICE REPLACEMENT), 1.5–INCH	FOOT	25
110	WATER SERVICE LINE TYPE L (LEAD SERVICE REPLACEMENT), 2–INCH	FOOT	25
111	WATER SERVICE CASING PIPE (LEAD SERVICE REPLACEMENT), 2–INCH	FOOT	1,730
112	WATER SERVICE CONNECTION ON PRIVATE PROPERTY – BASEMENT OR CRAWL SPACE (LEAD SERVICE REPLACEMENT)	EACH	87
113	WATER SERVICE CONNECTION ON PRIVATE PROPERTY – SLAB (LEAD SERVICE REPLACEMENT)	EACH	87
114	UTILITY LOCATION – PRIVATE PROPERTY (LEAD SERVICE REPLACEMENT)	EACH	173
115	WATER METER RELOCATION (LEAD SERVICE REPLACEMENT)	EACH	87
116	WATER METER REPLACEMENT (LEAD SERVICE REPLACEMENT)	EACH	87
117	LANDSCAPING PROJECT MANAGEMENT (LEAD SERVICE REPLACEMENT)	HOUR	346
118	LANDSCAPING RESTORATION ALLOWANCE (LEAD SERVICE REPLACEMENT)	EACH	173
119	SHRUB AND BRUSH DISPOSAL (LEAD SERVICE REPLACEMENT)	EACH	346
120	FENCE TO BE REMOVED AND RE–ERECTED (LEAD SERVICE REPLACEMENT)	FOOT	865
123	RESTORATION OF LAWNS AND PARKWAYS (LEAD SERVICE REPLACEMENT)	SQYD	400
124	HOT–MIX ASPHALT DRIVEWAY REMOVAL AND REPLACEMENT, 3–INCH (LEAD SERVICE REPLACEMENT)	SQYD	50
125	PCC DRIVEWAY REMOVAL AND REPLACEMENT, 6–INCH (LEAD SERVICE REPLACEMENT)	SQYD	250
126	GRAVEL DRIVEWAY REMOVAL AND REPLACEMENT (LEAD SERVICE REPLACEMENT)	SQYD	20
127	PCC SIDEWALK REMOVAL AND REPLACEMENT (LEAD SERVICE REPLACEMENT)	SQFT	9,100
PART C – SEWER IMPROVEMENTS			
128	EXCAVATION AND REPLACEMENT POINT REPAIR NO. 1	LSUM	1

FINAL DESIGN
FOR BIDDING

BAXTER & WOODMAN Consulting Engineers

CONSULTANTS	REVISED –
	REVISED –
	REVISED –
	REVISED –

CITY OF JOLIET, ILLINOIS
SPRING CREEK PHASE 1 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO.2767-0124

GENERAL NOTES AND SUMMARY OF QUANTITIES

SCALE: AS NOTED | PROJECT NO: 221587.40

		TOTAL SHEETS	SHEET NO.
DESIGNED – RMM			
DRAWN – AAM/JJS			
CHECKED – MJK		56	4
DATE – 10/12/2023			

P:\JOLTC\221587-2024 WATER MAIN SURV\CAD\SPRING CREEK PHASE 1\01_CIVIL 3D\01_SHTS-PLANS\221587-SPRING CREEK PHASE 1_COVER_GEN_DETS.DWG GENERAL NOTES & SOQ
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MAINTENANCE OF TRAFFIC NOTES

1. REFER TO DISTRICT DETAIL TC-10 FOR SIGNAGE FOR TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS.
2. REFER TO DISTRICT DETAIL TC-21 FOR DETOUR SIGNAGE SPACING, EXCEPT AS INDICATED ON THE SUGGESTED MAINTENANCE DETOUR PLAN.
3. THE CONTRACTOR SHALL NOTIFY IDOT AT (847) 705-4470 AND THE CITY OF JOLIET AT (815) 724-4230 AT LEAST 10 DAYS IN ADVANCE OF THE DETOUR ROUTE.
4. THE CONTRACTOR SHALL COORDINATE WITH THE CITY, IDOT AND OTHER UTILITY CONTRACTORS TO AVOID DETOUR CONFLICTS.
5. EMERGENCY VEHICLES 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 CONTRUCTION ACTIVITIES WHICH IMPACT EMERGENCY SERVICES.
6. DAILY LANE CLOSURES SHALL BE IN ACCORDANCE WITH THE APPLICABLE HIGHWAY STANDARDS.
7. THE FURNISHING, INSTALLING, AND RELOCATING OF ALL TRAFFIC SIGNS WILL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPEICAL). ALL CONFLICTING TRAFFIC SIGNS SHALL BE COVERED AS DIRECTED BY THE ENGINEER. THIS WILL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).
8. THE CONTRACTOR SHALL BE REQUIRED TO REMOVE ALL EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH THE SUGGESTED MAINTENANCE OF TRAFFIC PLAN. THIS WORK WILL BE PAID FOR AS PAVEMENT MARKING REMOVAL - WATER BLASTING.
9. ALL TEMPORARY PAVEMENT MARKINGS SHOWING DETERIORATION SHALL BE REPLACED BY THE CONTRACTOR IMMEDIATELY OR AS DETERMINED BY THE ENGINEER. SUFFICIENT QUANTITIES TO RE-STRIPE 3 TIMES HAVE BEEN PROVIDED. ALL MARKINGS REQUIRING REPLACEMENT AFTER THE THIRD PLACEMENT SHALL BE REPLACED BY THE CONTRACTOR AT THEIR OWN EXPENSE.
10. 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 OR CONSTRUCTION.
11. ALL TRENCHES CROSSING DRIVEWAYS OR SIDEWALKS SHALL BE BACKFILLED OR PLATED AT THE END OF THE WORK DAY. THIS WORK SHALL BE INCLUDED IN THE COST FOR TRENCH BACKFILL.
12. ALL TRENCHES CROSSING EXISTING ROADWAYS OUTSIDE OF THE CLOSED LANES SHALL BE PATCHED AT THE END OF THE WORK DAY. THIS WORK SHALL BE INCLUDED IN THE COST FOR TEMPORARY HOT-MIX ASPHALT.
13. ALL TRENCHES ON IDOT ROADS MUST BE PATCHED WITH TEMPORARY HOT-MIX ASPHALT PAVEMENT BEFORE OPENING THE LANE TO TRAFFIC.
14. SEE SPECIFICATIONS FOR THE TRENCH BACKFILL AND PAVEMENT PATCHING REQUIREMENTS.
15. THE CONTRACTOR NEEDS PRIOR APPROVAL FROM THE CITY BEFORE COMPLETING NIGHT WORK ON THE WEEKENDS.
16. THE CONTRACTOR SHALL CONTACT KALPANA KANNAN-HOSADURGA, THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR, AT KALPANA.KANNAN-HOSADURAGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
17. CONTACT IDOT'S LANDSCAPE ARCHITECT, GIOVANNA ZAFFINA, AT GIOVANNA.ZAFFINA@ILLINOIS.GOV OR 847-705-4172 PRIOR TO COMMENCEMENT OF ANY TREE-RELATED WORK IN IDOT ROW.

SEQUENCE OF CONSTRUCTION

STAGE 1- GARNSEY AVENUE TO 200 FEET EAST OF GARNSEY AVENUE
1. SETUP BARRICADES. MAINTAIN 1 LANE IN EACH DIRECTION. EACH LANE SHALL BE A MINIMUM OF 10 FEET WIDE.
2. INSTALL WATER MAIN.
3. WATER MAIN CROSSING AND SERVICE CROSSING SHALL BE INSTALLED AT NIGHT WHILE US ROUTE 6 IS DETOURED. NIGHTTIME DETOUR HOURS ARE FROM 7PM TO 5AM.
4. PATCH TRENCHES AND OPEN LANES TO TRAFFIC.

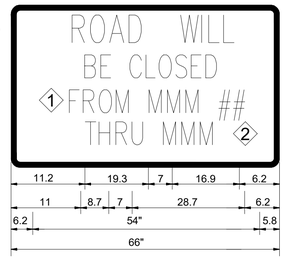
STAGE 2- 200 FEET EAST OF GARNSEY AVENUE TO WEST OF HENDERSON AVENUE
1. SETUP TEMPORARY CONCRETE BARRIER WALL. MAINTAIN 1 LANE IN EACH DIRECTION. EACH LANE SHALL BE A MINIMUM OF 10 FEET WIDE.
2. INSTALL WATER MAIN.
3. WATER MAIN CROSSING AND SERVICE CROSSING SHALL BE INSTALLED AT NIGHT WHILE US ROUTE 6 IS DETOURED. NIGHTTIME DETOUR HOURS ARE FROM 7PM TO 5AM.
4. PATCH TRENCHES AND OPEN LANES TO TRAFFIC.

STAGE 3- WEST OF HENDERSON AVENUE TO 300 FEET EAST OF ABE STREET.
1. SETUP DETOUR OF EASTBOUND AND WESTBOUND US ROUTE 6.
2. INSTALL WATER MAIN.
3. PATCH TRENCHES.
4. GRIND AND RESURFACE PAVEMENT AS SHOWN ON THE RESTORATION PLANS.
5. REMOVE DETOUR AND OPEN ALL LANES TO TRAFFIC.

ARTERIAL ROAD INFORMATION SIGN
FOR ROADS TO BE FULLY CLOSED
AND DETOURED

SHALL BE PAID FOR
AS TEMPORARY INFORMATION SIGNING.
ONE SIGN ASSEMBLY EQUALS 27.3 SQ. FT.

"HIGHWAY C" FONT



1 OVERLAY PANEL 1 TO CONTAIN STARTING DATE OF FULL CLOSURE AND DETOUR IMPLEMENTATION. (i.e. "FROM APR 2")

2 OVERLAY PANEL 2 TO CONTAIN ENDING MONTH OF FULL CLOSURE & DETOUR (i.e. "THRU JULY") OMIT THE DATE ON PANEL 2 ; MONTH ONLY.

ERECT SIGN ASSEMBLY (POST-MOUNTED WITH PANELS 1 AND 2 IN PLACE ON ROAD TO BE CLOSED IN EACH DIRECTION NEAR POINT OF CLOSURE OR WITHIN SECTION TO BE FULLY CLOSED TWO (2) WEEKS PRIOR TO START DATE OF FULL CLOSURE. REMOVEL ASSEMBLY AFTER CLOSURE.

TEMPORARY INFORMATION SIGN DETAIL

FINAL DESIGN
FOR BIDDING

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CONSULTANTS	REVISED –
	REVISED –
	REVISED –
	REVISED –

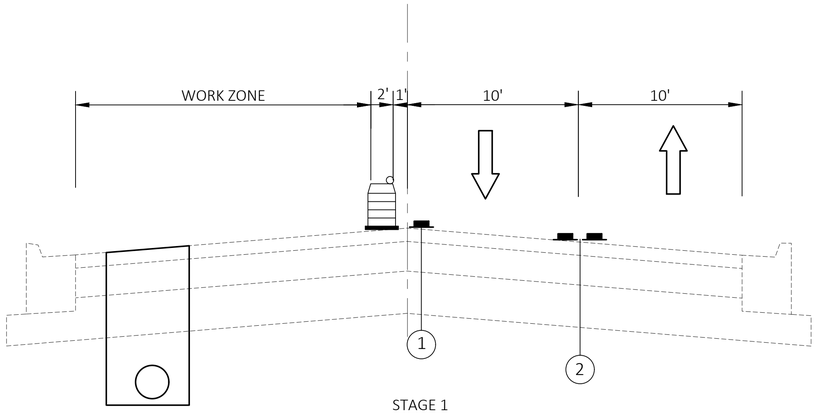
CITY OF JOLIET, ILLINOIS
SPRING CREEK PHASE 1 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO.2767-0124

MAINTENANCE OF TRAFFIC NOTES

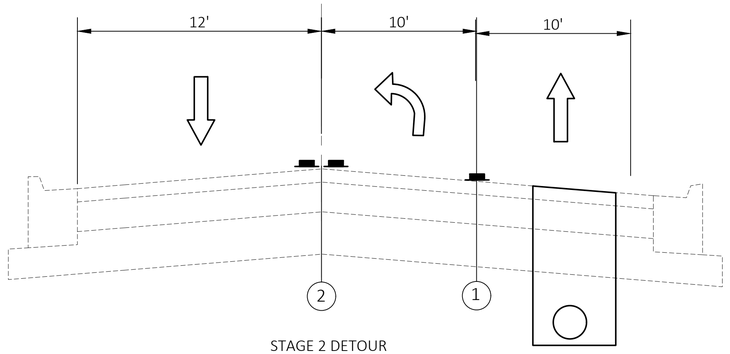
SCALE: AS NOTED | PROJECT NO: 221587.40

		TOTAL SHEETS	SHEET NO.
DESIGNED – AKS			
DRAWN – AAM/JJS			
CHECKED – MJK		56	5
DATE – 10/12/2023			

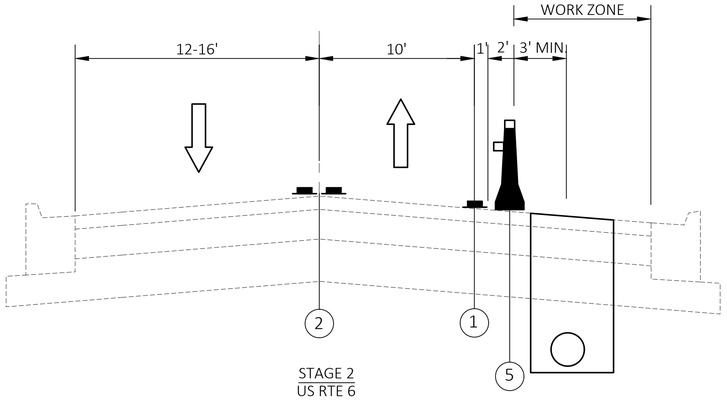
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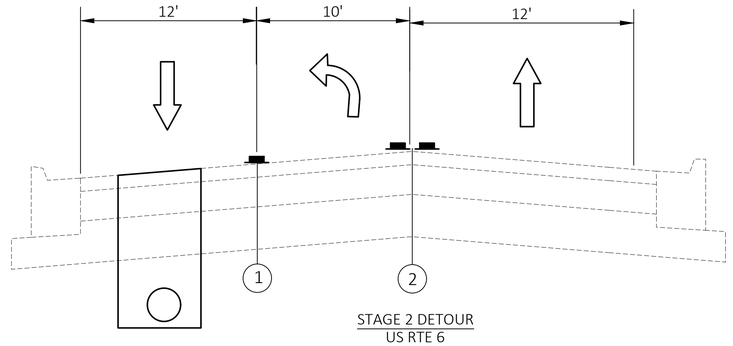
STAGE 1
US RTE 6
STA 130+00 TO STA 132+50



STAGE 2 DETOUR
US RTE 6
STA 135+50 TO 137+50



STAGE 2
US RTE 6
STA 132+50 TO 135+50



STAGE 2 DETOUR
US RTE 6
STA 137+50 TO 144+00

LEGEND

- DIRECTION OF TRAFFIC
- TYPE II BARRICADES OR DRUMS WITH STEADY BURN, BI-DIRECTIONAL LIGHT 50' C-C ON TANGENT, 20' C-C ON TAPERS, AND 10' C-C ON RADII
- TEMPORARY CONCRETE BARRIER WITH TYPE C REFLECTORS PER STANDARD 704001
- (A) EXISTING PAVEMENT MARKING
- (1) PAVEMENT MARKING TAPE, TYPE IV - LINE 4" (WHITE)
- (2) PAVEMENT MARKING TAPE, TYPE IV - LINE 4" (DOUBLE YELLOW)
- EXISTING PAVEMENT MARKING
- PROPOSED TEMPORARY PAVEMENT MARKING
- (3) PAVEMENT MARKING TAPE, TYPE IV - LINE 6" (WHITE)
- (4) PAVEMENT MARKING TAPE, TYPE IV - LINE 4" (YELLOW)
- (5) PINNED

NOTE:

1. DRIVEWAY ACCESS SHALL BE MAINTAINED, TEMPORARY CONCRETE BARRIER SHALL BE GAPPED WITH TEMPORARY IMPACT ATTENUATORS AS DIRECTED BY THE ENGINEER FOR SELECT DRIVEWAYS.

FINAL DESIGN
FOR BIDDING

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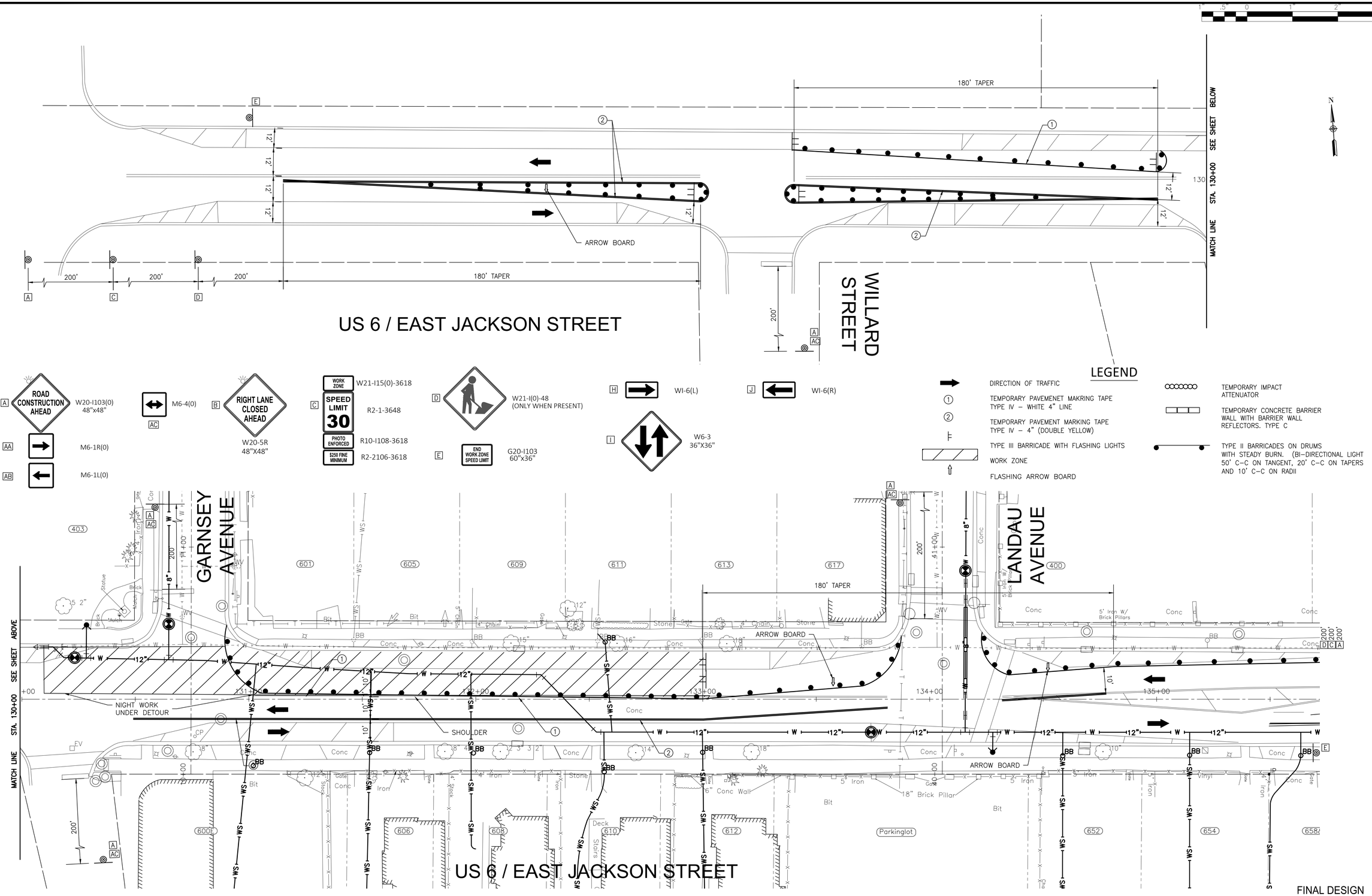
CONSULTANTS	REVISED –
	REVISED –
	REVISED –
	REVISED –

CITY OF JOLIET, ILLINOIS
SPRING CREEK PHASE 1 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO.2767-0124

MAINTENANCE OF TRAFFIC NOTES

SCALE: AS NOTED | PROJECT NO: 221587.40

		TOTAL SHEETS	SHEET NO.
DESIGNED – AKS			
DRAWN – AAM/JJS			
CHECKED – MJK		56	6
DATE – 10/12/2023			



P:\JOLTC\221587-2024 WATER MAIN SURV\CAD\SPRING CREEK PHASE 1\01_CIVIL 3D\01_SHTS-PLANS\221587-SPRINGCREEK-MOT-SHEETS.DWG MOT PHASE 1-1
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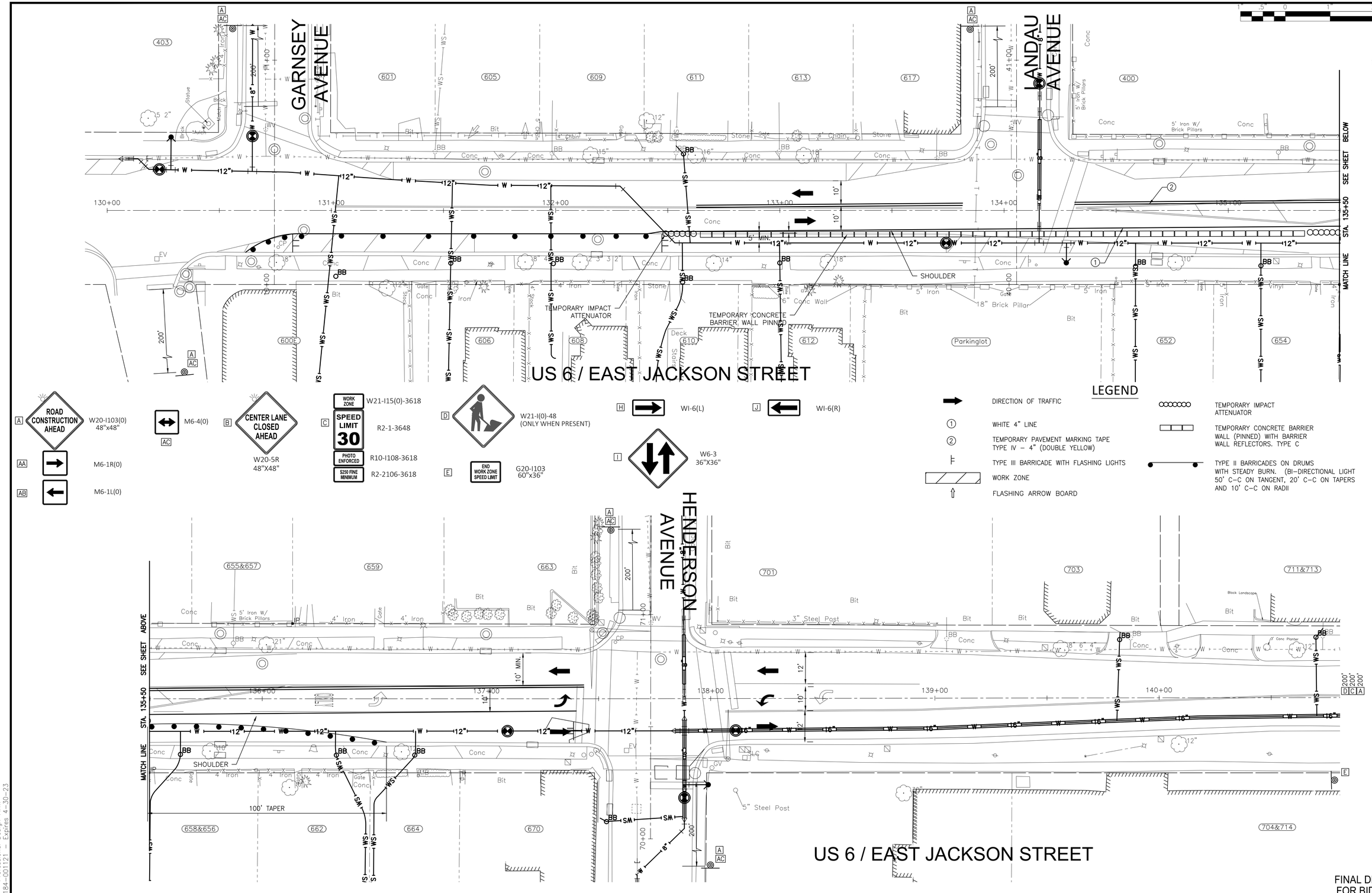
CONSULTANTS	REVISED –
	REVISED –
	REVISED –
	REVISED –

CITY OF JOLIET, ILLINOIS
SPRING CREEK PHASE 1 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO.2767-0124

MAINTENANCE OF TRAFFIC STAGE 1

SCALE: 1" = 20' | PROJECT NO: 221587.40

		TOTAL SHEETS	SHEET NO.
DESIGNED – AKS			
DRAWN – AAM/JJS			
CHECKED – MJK		56	7
DATE – 10/12/2023			



FINAL DESIGN FOR BIDDING

BAXTER & WOODMAN consulting engineers	CONSULTANTS / REVISED – / REVISED – / REVISED – / REVISED –	CITY OF JOLIET, ILLINOIS SPRING CREEK PHASE 1 WATER MAIN IMPROVEMENTS CITY OF JOLIET CONTRACT NO.2767-0124

MAINTENANCE OF TRAFFIC STAGE 2

SCALE: 1" = 20' | PROJECT NO: 221587.40

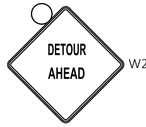
		TOTAL SHEETS	SHEET NO.
DESIGNED – AKS			
DRAWN – AAM/JJS			
CHECKED – MJK		56	8
DATE – 10/12/2023			

P:\JOLTC\221587-2024 WATER MAIN SURV\CAD\SPRING CREEK PHASE 1\01_CIVIL 3D\01_SHTS-PLANS\221587-SPRINGCREEK-MOT-SHEETS.DWG MOT PHASE 2-1
Plotted: 10/10/2023 8:59 AM By: AMAKKAOUI
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W20-3-4848

1



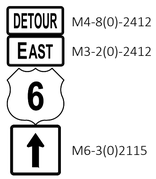
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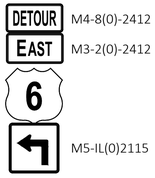
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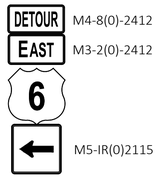
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M3-2(0)-2412
M6-3(0)2115

4



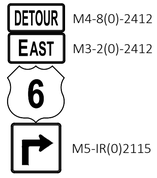
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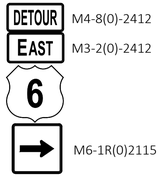
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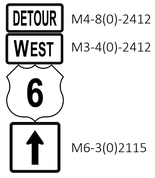
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M3-2(0)-2412
M5-IR(0)2115

7



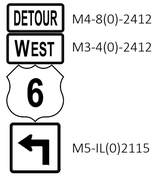
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M3-2(0)-2412
M6-1R(0)2115

8



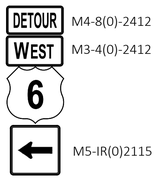
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M3-4(0)-2412
M6-3(0)2115

9



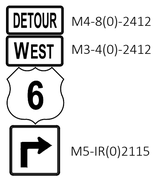
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M3-4(0)-2412
M5-IL(0)2115

10



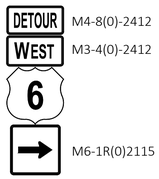
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M3-4(0)-2412
M5-IR(0)2115

11



M4-8(0)-2412
M3-4(0)-2412
M5-IR(0)2115

12



M4-8(0)-2412
M3-4(0)-2412
M6-1R(0)2115

13



M4-8A

14

ON TYPE III BARRICADE



R11-2
48"X30"

15

ON TYPE III BARRICADE



R11-3a

16



M4-10R-4818

17



M4-10L-4818

18



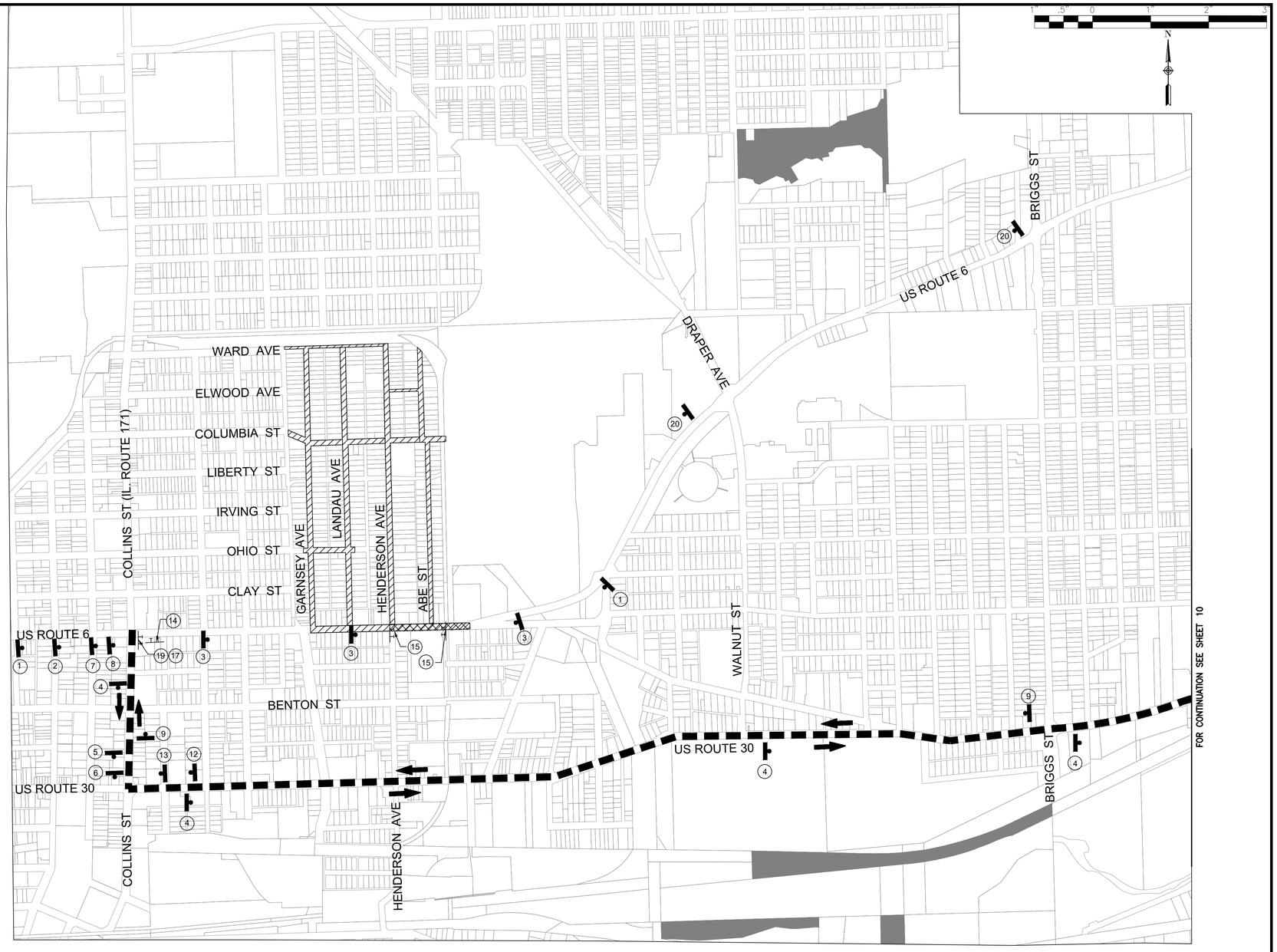
R11-4
60"X30"

19



R11-4
60"X30"

20



LEGEND

- PROJECT LOCATION
- DETOUR
- DIRECTION OF TRAFFIC
- DETOUR ROUTE
- SIGNAGE

NOTE:

1. THE FOLLOWING INTERSECTIONS NEED TEMPORARY TRAFFIC SIGNAL TIMING:

-US ROUTE 6 AND IL 171
-US ROUTE 30 AND IL 171
-US ROUTE 30 AND BRIGGS ST
-US ROUTE 30 AND WASHINGTON ST
-US ROUTE 30 AND GOUGAR RD
-US ROUTE 6 AND GOUGAR RD

FINAL DESIGN
FOR BIDDING

BAXTER & WOODMAN Consulting Engineers

CONSULTANTS	REVISED –
	REVISED –
	REVISED –
	REVISED –

CITY OF JOLIET, ILLINOIS
SPRING CREEK PHASE 1 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO.2767-0124

DETOUR PLAN

SCALE: AS NOTED | PROJECT NO: 221587.40

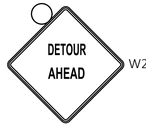
		TOTAL SHEETS	SHEET NO.
DESIGNED – AKS			
DRAWN – AAM/JJS			
CHECKED – MJK	56	9	
DATE – 10/12/2023			

P:\JOLTC\221587-2024 WATER MAIN SURV\CAD\SPRING CREEK PHASE 1\01_CIVIL 3D\01_SHTS-PLANS\211587-SPRING CREEK DETOUR MAP.DWG 221587-DETOUR MAP
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W20-3-4848

1



W20-2-4848

2



W20-3-4848

3



M4-8(0)-2412
M3-2(0)-2412
M6-3(0)2115

4



M4-8(0)-2412
M3-2(0)-2412
M5-IL(0)2115

5



M4-8(0)-2412
M3-2(0)-2412
M5-IR(0)2115

6



M4-8(0)-2412
M3-2(0)-2412
M5-IR(0)2115

7



M4-8(0)-2412
M3-2(0)-2412
M6-1R(0)2115

8



M4-8(0)-2412
M3-4(0)-2412
M6-3(0)2115

9



M4-8(0)-2412
M3-4(0)-2412
M5-IL(0)2115

10



M4-8(0)-2412
M3-4(0)-2412
M5-IR(0)2115

11



M4-8(0)-2412
M3-4(0)-2412
M5-IR(0)2115

12



M4-8(0)-2412
M3-4(0)-2412
M6-1R(0)2115

13



M4-8A

14

ON TYPE III BARRICADE



R11-2
48"X30"

15

ON TYPE III BARRICADE



R11-3a

16



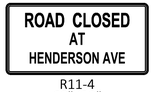
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17



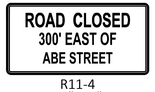
M4-10L-4818

18



R11-4
60"X30"

19

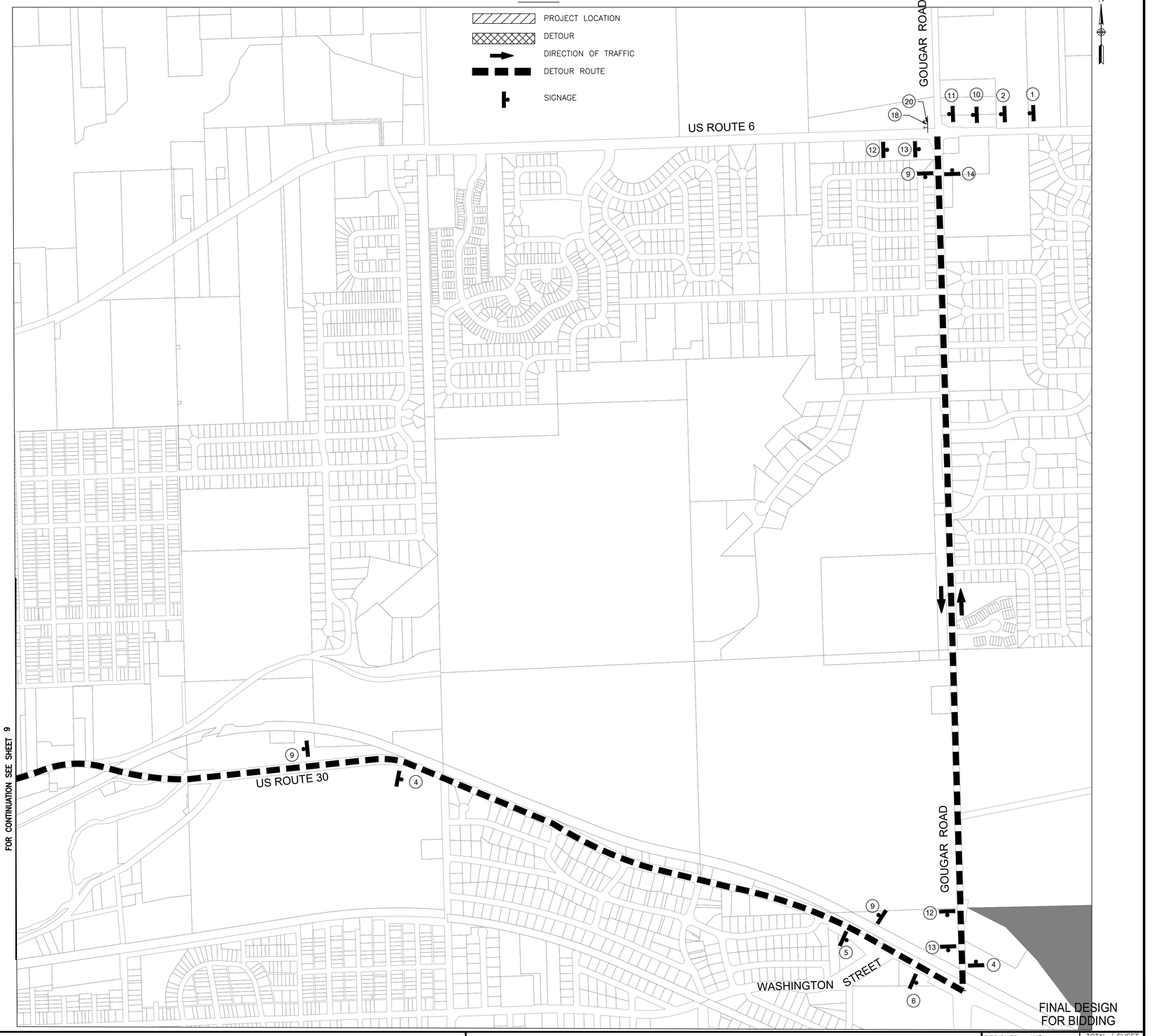


R11-4
60"X30"

20

LEGEND

- PROJECT LOCATION
- DETOUR
- DIRECTION OF TRAFFIC
- DETOUR ROUTE
- SIGNAGE



P:\JOLTC\221587-2024 WATER MAIN SURV\CAD\SPRING CREEK PHASE 1\01_CIVIL 3D\01_SHTS-PLANS\211587-SPRING CREEK DETOUR MAP.DWG 221587-DETOUR MAP (2)
Plotted: 10/10/2023 9:08 AM By: AMAKKAGU
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CONSULTANTS	REVISED –
	REVISED –
	REVISED –
	REVISED –

CITY OF JOLIET, ILLINOIS
SPRING CREEK PHASE 1 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO.2767-0124

DETOUR PLAN

SCALE: AS NOTED | PROJECT NO: 221587.40

		TOTAL SHEETS	SHEET NO.
DESIGNED – AKS			
DRAWN – AAM/JJS			
CHECKED – MJK		56	10
DATE – 10/12/2023			

EAST JACKSON STREET

GARNSEY AVENUE

35 L.F. OF 8" RJT WATER MAIN, (1) 8" VALVE IN 4' VAULT

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

399 L.F. OF 8" WATER MAIN

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

ABANDON EXISTING VALVE BOX

REMOVE EXISTING FIRE HYDRANT

16 L.F. OF 8" RJT DI WATER MAIN

WATER SERVICE LINE (TYP.)

ABANDON EXISTING 8" WATER MAIN

SEE SHEET 32
FOR DESCRIPTION OF WATER MAIN WORK

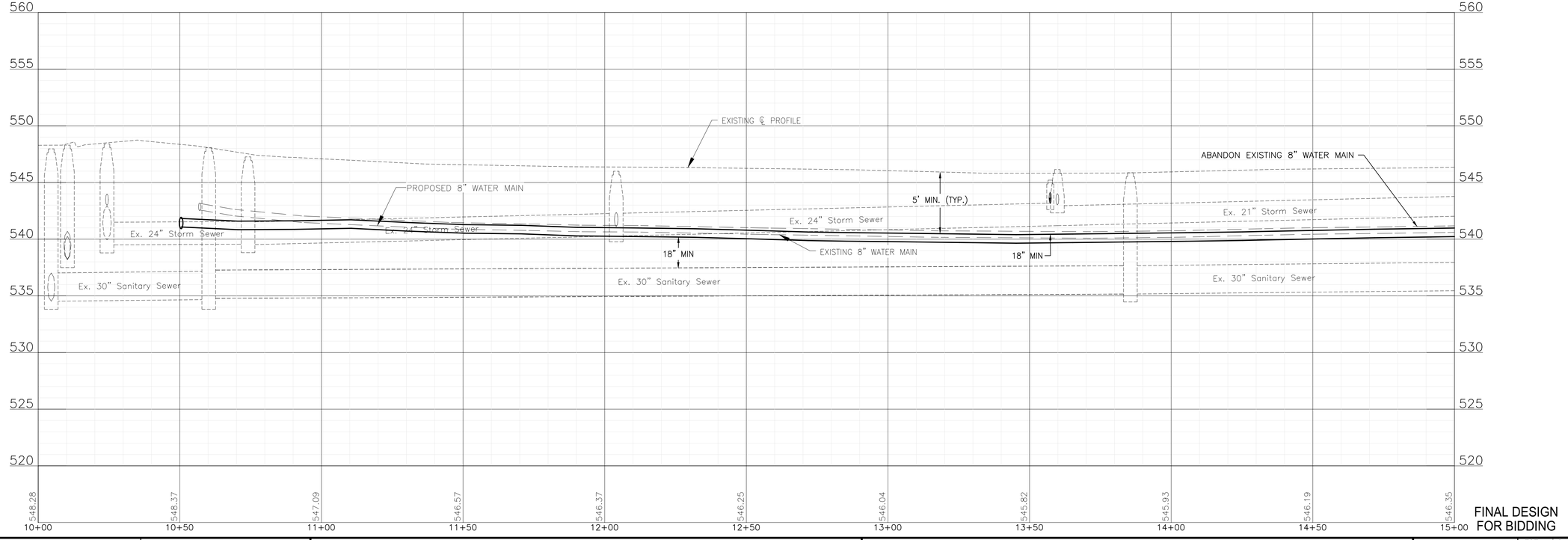
FOR CONTINUATION SEE SHEET 32

SEE SHEET 12

MATCH LINE STA. 15+00

NOTE:
WATER SERVICES: (15) WATER SERVICE CONNECTIONS ARE ANTICIPATED ON THIS STREET. FINAL NUMBER AND LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

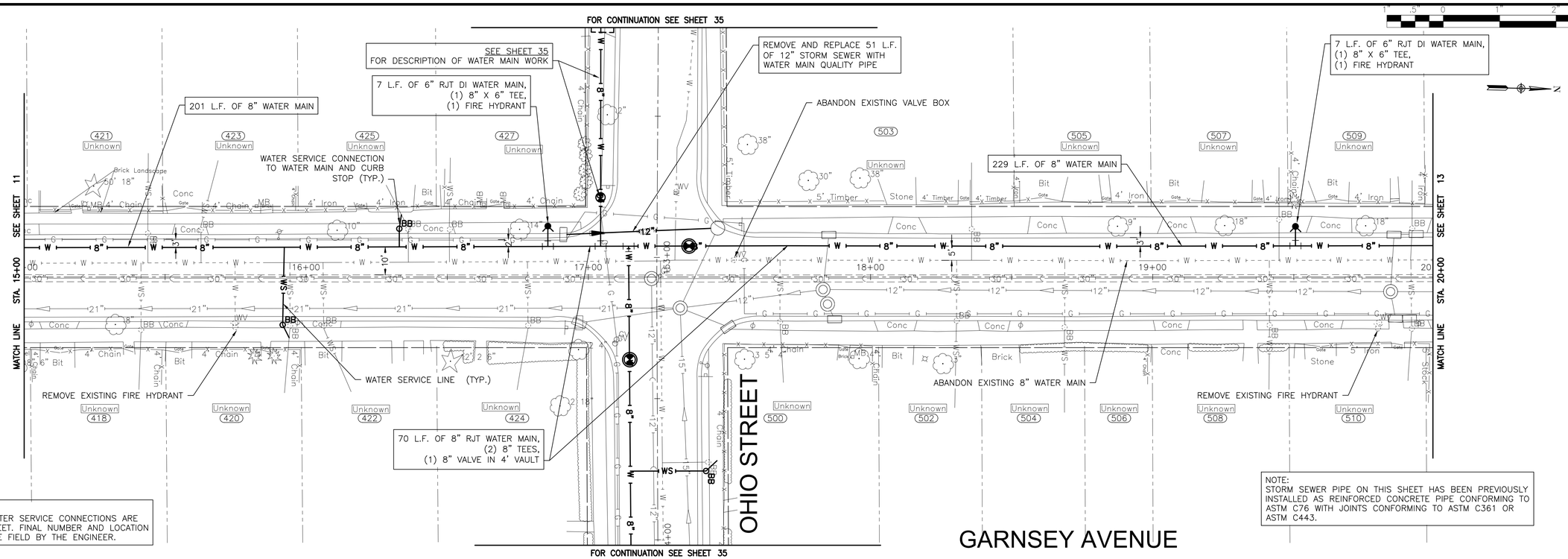
NOTE:
STORM SEWER PIPE ON THIS SHEET HAS BEEN PREVIOUSLY INSTALLED AS REINFORCED CONCRETE PIPE CONFORMING TO ASTM C76 WITH JOINTS CONFORMING TO ASTM C361 OR ASTM C443.



FINAL DESIGN FOR BIDDING

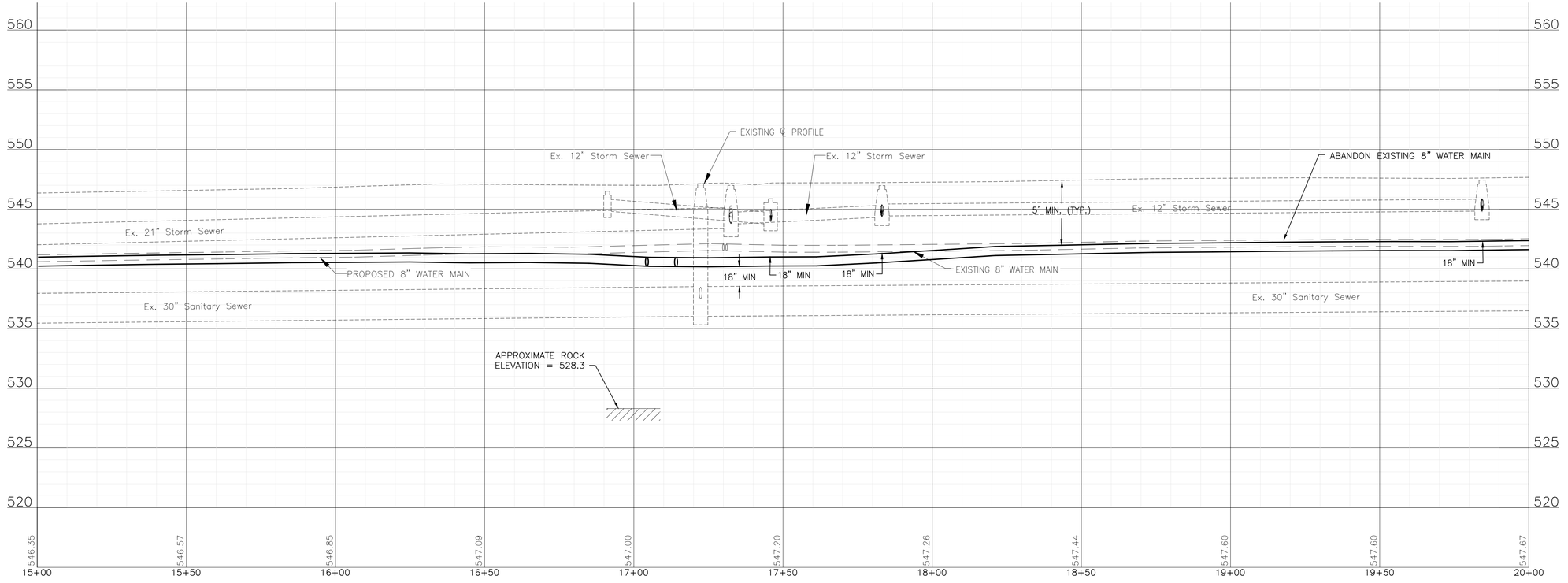
BAXTER & WOODMAN Consulting Engineers	CONSULTANTS	REVISED –	CITY OF JOLIET, ILLINOIS SPRING CREEK PHASE 1 WATER MAIN IMPROVEMENTS CITY OF JOLIET CONTRACT NO.2767-0124	GARNSEY AVENUE STA. 10+00 TO STA. 15+00 PLAN AND PROFILE	DESIGNED – RMM	TOTAL SHEETS	SHEET NO.
		REVISED –			DRAWN – AAM/JJS	56	11
		REVISED –			CHECKED – MJK		
		REVISED –		SCALE: HORIZ 1"=20' / VERT 1"=5' PROJECT NO: 221587.40	DATE – 10/12/2023		

P:\JOLIT\221587-2024 WATER MAIN SURV\CAD\SPRING CREEK PHASE 1\01_CIVIL 3D\01_SHTS-PLANS\221587-SPRINGCREEK-DESIGN-SHEETS.DWG
Plotted: 10/10/2023 9:09 AM By: AMAKKAOUI
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NOTE:
WATER SERVICES: (17) WATER SERVICE CONNECTIONS ARE ANTICIPATED ON THIS STREET. 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

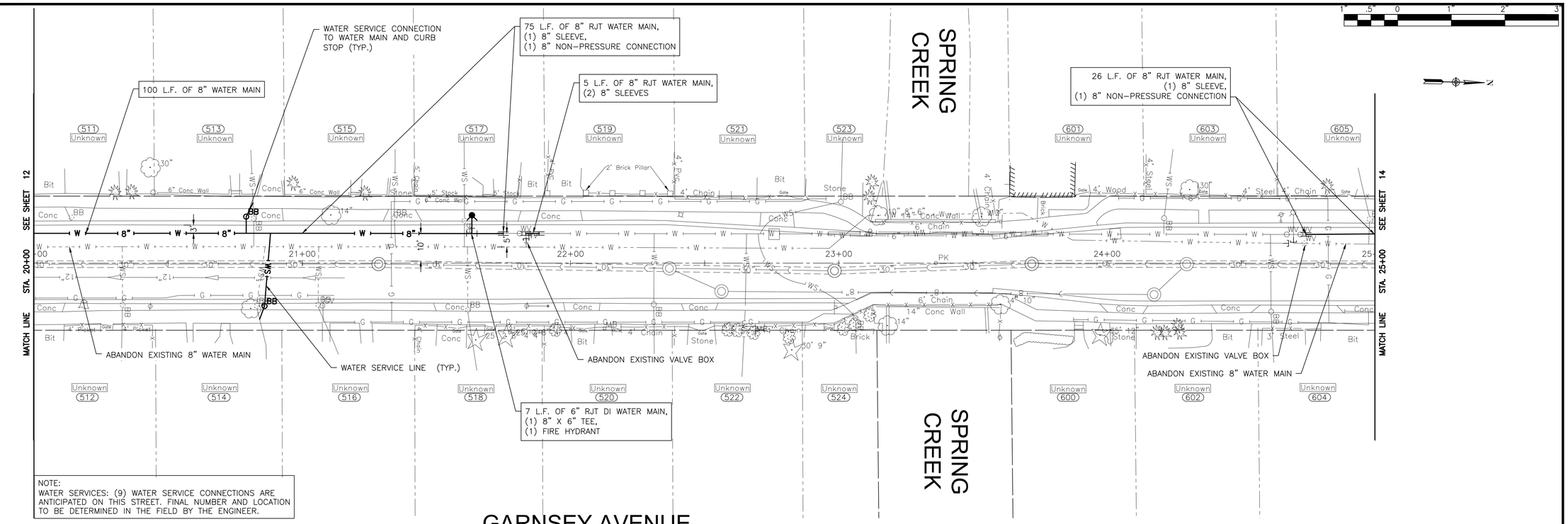
BAXTER & WOODMAN Consulting Engineers	CONSULTANTS	REVISED –	CITY OF JOLIET, ILLINOIS SPRING CREEK PHASE 1 WATER MAIN IMPROVEMENTS CITY OF JOLIET CONTRACT NO.2767-0124
		REVISED –	
		REVISED –	
		REVISED –	

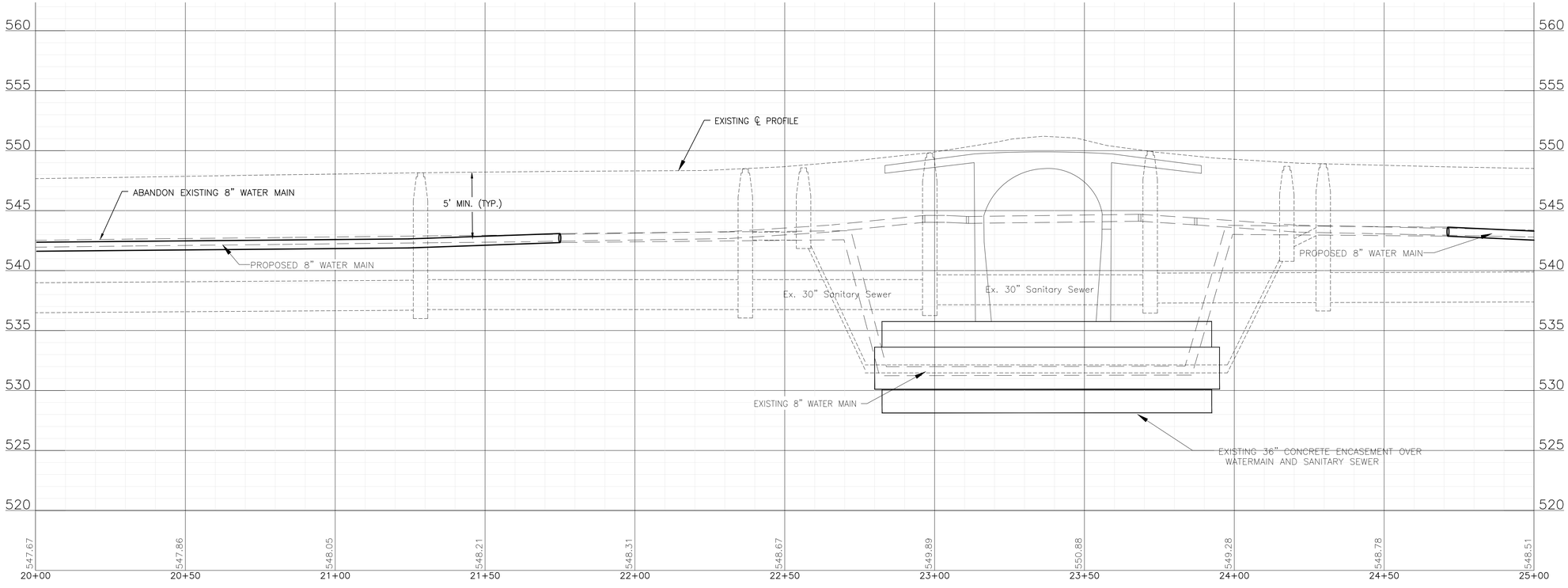
GARNSEY AVENUE STA. 15+00 TO STA. 20+00 PLAN AND PROFILE

SCALE: HORIZ 1"=20' / VERT 1"=5' | PROJECT NO: 221587.40

DESIGNED – RMM	TOTAL SHEETS	SHEET NO.
DRAWN – AAM/JJS	56	12
CHECKED – MJK		
DATE – 10/12/2023		

P:\JOLTC\221587-2024 WATER MAIN SURV\CAD\SPRING CREEK PHASE 1\01_CIVIL 3D\01_SHTS-PLANS\221587-SPRINGCREEK-DESIGN-SHEETS.DWG 15+00.00
Plotted: 10/10/2023 9:09 AM By: AMAKKAOUI
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FINAL DESIGN FOR BIDDING

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	TOTAL SHEETS	SHEET NO.
DESIGNED – RMM DRAWN – AAM/JJS CHECKED – MJK DATE – 10/12/2023	56	13

P:\JOLTC\221587-2024 WATER MAIN SURV\CAD\SPRING CREEK PHASE 1\01_CIVIL 3D\01_SHTS-PLANS\221587-SPRINGCREEK-DESIGN-SHEETS.DWG 20+00.00
Plotted: 10/10/2023 9:09 AM By: AMAKKAOUI
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49 L.F. OF 8" RJT WATER MAIN

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

93 L.F. OF 8" WATER MAIN

ABANDON EXISTING VALVE BOX

ABANDON EXISTING 8" WATER MAIN

REMOVE EXISTING FIRE HYDRANT

COLUMBIA STREET

SEE SHEET 37
FOR DESCRIPTION OF WATER MAIN WORK

ABANDON EXISTING 6" WATER MAIN

WATER SERVICE LINE (TYP.)

234 L.F. OF 8" WATER MAIN

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

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

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

SEE SHEET 37
FOR DESCRIPTION OF WATER MAIN WORK

SEE SHEET 13

SEE SHEET 15

MATCH LINE STA. 25+00

MATCH LINE STA. 30+00

607 Unknown | 609 Unknown | 611 Unknown | 613 Unknown | 651 Unknown | 655 Unknown | 657 Unknown | 659 Unknown | 661&663 Unknown

606 Unknown | 608 Unknown | 610 Unknown | 650 Unknown | 652 Unknown | 654 Unknown | 656 Unknown | 660&658 Unknown

NOTE:
WATER SERVICES: (18) 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 37

GARNSEY AVENUE

EXISTING ℄ PROFILE

ABANDON EXISTING 8" WATER MAIN

ABANDON EXISTING 6" WATER MAIN

PROPOSED 8" WATER MAIN

Ex. 36" Storm Sewer

Ex. 24" Storm Sewer

Ex. 30" Sanitary Sewer

Ex. 10" Sanitary Sewer

18" MIN

5' MIN. (TYP.)

560 555 550 545 540 535 530 525 520

548.51 548.31 548.03 547.89 547.83 547.73 547.93 548.07 548.25 548.31 548.22

25+00 25+50 26+00 26+50 27+00 27+50 28+00 28+50 29+00 29+50 30+00

FINAL DESIGN
FOR BIDDING

BAXTER & WOODMAN Consulting Engineers

CONSULTANTS	REVISED –
	REVISED –
	REVISED –
	REVISED –

CITY OF JOLIET, ILLINOIS
SPRING CREEK PHASE 1 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO.2767-0124

GARNSEY AVENUE STA. 25+00 TO STA. 30+00 PLAN AND PROFILE

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

PROJECT NO: 221587.40

DESIGNED – RMM	
DRAWN – AAM/JJS	
CHECKED – MJK	
DATE – 10/12/2023	

TOTAL SHEETS	SHEET NO.
56	14

P:\JOLTC\221587-2024 WATER MAIN SURV\CAD\SPRING CREEK PHASE 1\01_CIVIL 3D\01_SHTS-PLANS\221587-SPRINGCREEK-DESIGN-SHEETS.DWG 25+00.
Plotted: 10/10/2023 9:09 AM By: AMAKKAOUI
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FOR CONTINUATION SEE SHEET 42

SEE SHEET 14

STA. 30+00

MATCH LINE

50 L.F. OF 8" RJT WATER MAIN,
(1) 8" 45° VERTICAL BEND,
24 L.F. OF 16" CASING PIPE,
(1) 8" VALVE IN BOX,
(2) 8" 45° BENDS (ROLLED UP/DOWN),
(1) 8" X 6" REDUCER,
(1) 6" SLEEVE,
(1) 6" NON-PRESSURE CONNECTION

MAINTAIN 18" VERTICAL SEPARATION AT CROSSINGS

WATER SERVICE LINE (TYP.)

ABANDON EXISTING 6" WATER MAIN

19 L.F. OF 8" RJT WATER MAIN

77 L.F. OF 8" WATER MAIN

REMOVE EXISTING FIRE HYDRANT

70 L.F. OF 8" RJT WATER MAIN,
(1) 8" TEE (ROLLED DOWN),
(1) 8" VALVE IN 4' VAULT

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

332 L.F. OF 8" WATER MAIN

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

REMOVE EXISTING FIRE HYDRANT

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

ABANDON EXISTING VALVE VAULT

SEE SHEET 42
FOR DESCRIPTION OF WATER MAIN WORK

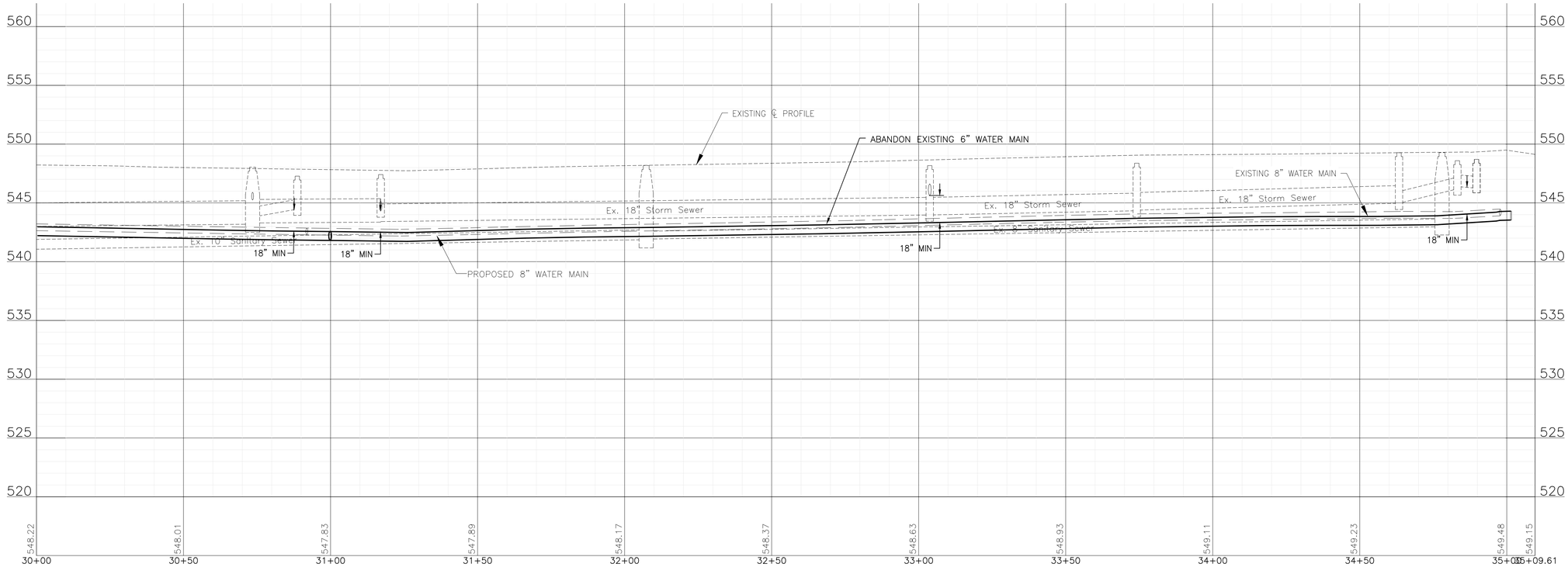
NOTE:
STORM SEWER PIPE ON THIS SHEET HAS BEEN PREVIOUSLY INSTALLED AS REINFORCED CONCRETE PIPE CONFORMING TO ASTM C76 WITH JOINTS CONFORMING TO ASTM C361 OR ASTM C443.

NOTE:
WATER SERVICES: (18) WATER SERVICE CONNECTIONS ARE ANTICIPATED ON THIS STREET. FINAL NUMBER AND LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

GARNSEY AVENUE

WARD AVENUE

FOR CONTINUATION SEE SHEET 42



FINAL DESIGN
FOR BIDDING

CONSULTANTS	REVISED –
	REVISED –
	REVISED –
	REVISED –

BAXTER & WOODMAN Consulting Engineers

CITY OF JOLIET, ILLINOIS
SPRING CREEK PHASE 1 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO.2767-0124

GARNSEY AVENUE STA. 30+00 TO STA. 36+00 PLAN AND PROFILE

SCALE: HORIZ 1"=20' / VERT 1"=5'
PROJECT NO: 221587.40

DESIGNED – RMM	
DRAWN – AAM/JJS	
CHECKED – MJK	
DATE – 10/12/2023	

TOTAL SHEETS	SHEET NO.
56	15

P:\JOLTC\221587-2024 WATER MAIN SURV\CAD\SPRING CREEK PHASE 1\01_CIVIL 3D\01_SHTS-PLANS\221587-SPRINGCREEK-DESIGN-SHEETS.DWG 30+00.00
Plotted: 10/10/2023 9:09 AM By: AMAKKAOUI
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FOR CONTINUATION SEE SHEET 32

FOR CONTINUATION SEE SHEET 33

SEE SHEET 32
FOR DESCRIPTION OF WATER MAIN WORK

EAST JACKSON STREET

LANDAU AVENUE

ABANDON EXISTING VALVE BOX

35 L.F. OF 8" RJT WATER MAIN,
(1) 8" VALVE IN 4' VAULT

ABANDON EXISTING 6" WATER MAIN

WATER SERVICE LINE (TYP.)

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

375 L.F. OF 8" WATER MAIN

REMOVE EXISTING FIRE HYDRANT

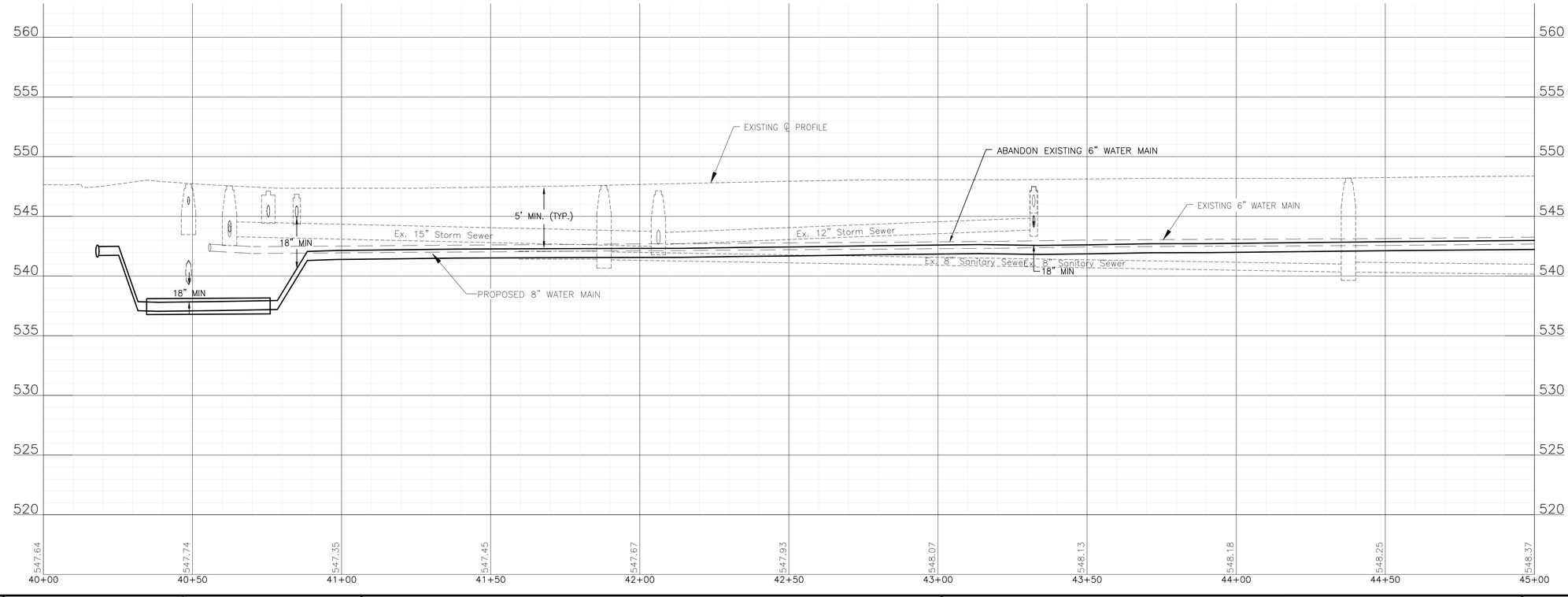
71 L.F. OF 8" RJT DI WATER MAIN,
(4) 8" 45° VERTICAL BENDS,
36 L.F. OF 16" CASING PIPE (TUNNELING UNDER SEWER)

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

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.

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.

SEE SHEET 17
STA. 45+00
MATCH LINE



FINAL DESIGN
FOR BIDDING

BAXTER & WOODMAN Consulting Engineers	CONSULTANTS	REVISED –	CITY OF JOLIET, ILLINOIS SPRING CREEK PHASE 1 WATER MAIN IMPROVEMENTS CITY OF JOLIET CONTRACT NO.2767-0124
		REVISED –	
		REVISED –	
		REVISED –	

LANDAU AVENUE STA. 40+00 TO STA. 45+00 PLAN AND PROFILE

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

PROJECT NO: 221587.40

		TOTAL SHEETS	SHEET NO.
DESIGNED	– RMM	56	16
DRAWN	– AAM/JJS		
CHECKED	– MJK		
DATE	– 10/12/2023		

P:\JOLIT\221587-2024 WATER MAIN SURV\CAD\SPRING CREEK PHASE 1\01_CIVIL 3D\01_SHTS-PLANS\221587-SPRINGCREEK-DESIGN-SHEETS.DWG 40+00.00
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FOR CONTINUATION SEE SHEET 36

SEE SHEET 36
FOR DESCRIPTION OF WATER MAIN WORK

ABANDON EXISTING VALVE BOX

WATER SERVICE LINE (TYP.)

ABANDON EXISTING 6" WATER MAIN

196 L.F. OF 8" WATER MAIN

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

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

70 L.F. OF 8" RJT WATER MAIN, (1) 8" TEE, (1) 8" VALVE IN 4' VAULT

REMOVE EXISTING FIRE HYDRANT

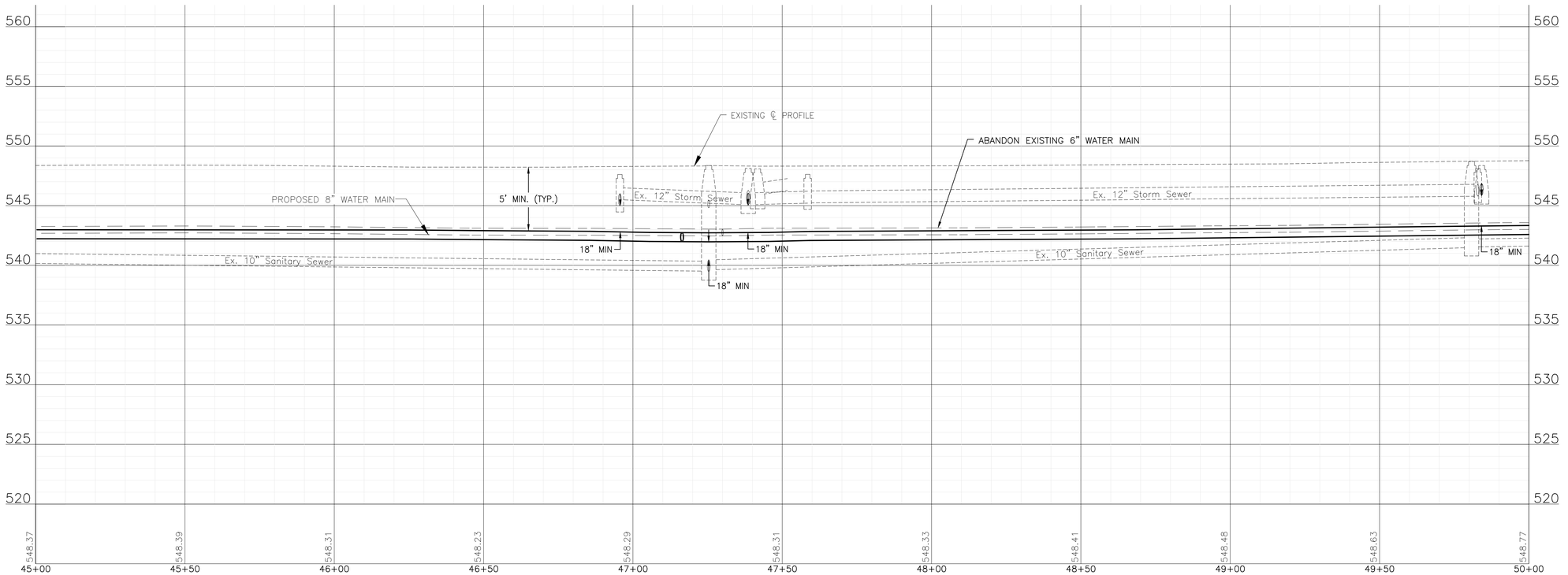
234 L.F. OF 8" WATER MAIN

OHIO STREET

LANDAU AVENUE

NOTE:
WATER SERVICES: (18) WATER SERVICE CONNECTIONS ARE ANTICIPATED ON THIS STREET. 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

BAXTER & WOODMAN Consulting Engineers	CONSULTANTS	REVISED –	CITY OF JOLIET, ILLINOIS SPRING CREEK PHASE 1 WATER MAIN IMPROVEMENTS CITY OF JOLIET CONTRACT NO.2767-0124
		REVISED –	
		REVISED –	
		REVISED –	

LANDAU AVENUE STA. 45+00 TO STA. 50+00 PLAN AND PROFILE

SCALE: HORIZ 1"=20' / VERT 1"=5' | PROJECT NO: 221587.40

		TOTAL SHEETS	SHEET NO.
DESIGNED – RMM			
DRAWN – AAM/JJS		56	17
CHECKED – MJK			
DATE – 10/12/2023			

P:\JOLTC\221587-2024 WATER MAIN SURV\CAD\SPRING CREEK PHASE 1\01_CIVIL 3D\01_SHTS-PLANS\221587-SPRINGCREEK-DESIGN-SHEETS.DWG 45+00.00
Plotted: 10/10/2023 9:10 AM By: AMAKKAOUI
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NOTE:
WATER SERVICES: (21) WATER SERVICE CONNECTIONS ARE ANTICIPATED ON THIS STREET. FINAL NUMBER AND LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

SEE SHEET 17

STA. 50+00

MATCH LINE

SEE SHEET 19

STA. 55+00

MATCH LINE

ABANDON EXISTING 6" WATER MAIN

WATER SERVICE LINE (TYP.)

230 L.F. OF 8" WATER MAIN

67 L.F. OF 8" RJT WATER MAIN IN 24" JACKED CASING PIPE

PROPOSED JACKING PIT (RECOMMENDED LOCATION)

EXISTING WATER MAIN TO BE RETIRED IN PLACE ON BRIDGE

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

67 L.F. OF 8" WATER MAIN

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

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

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

PROPOSED JACKING PIT (RECOMMENDED LOCATION)

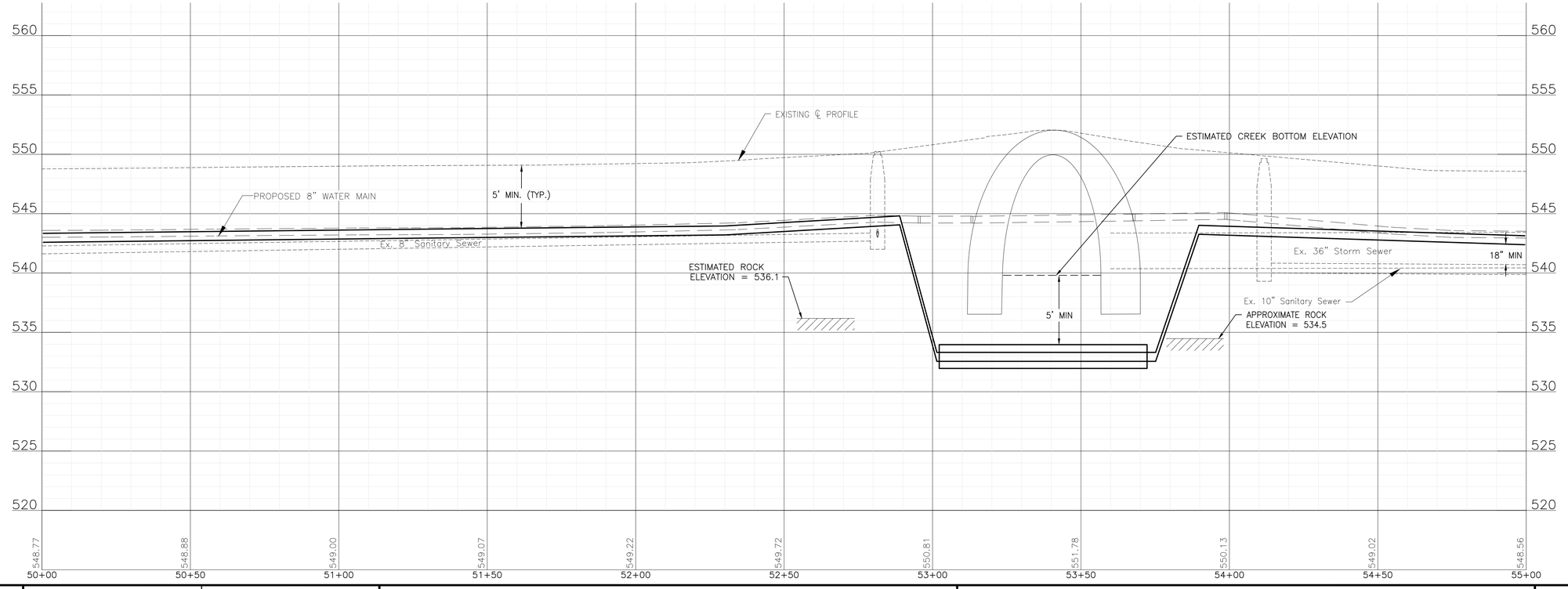
7 L.F. OF 6" RJT DI WATER MAIN, (1) 8" X 6" TEE, (1) FIRE HYDRANT

REMOVE EXISTING FIRE HYDRANT

SPRING CREEK

SPRING CREEK

LANDAU AVENUE



FINAL DESIGN FOR BIDDING

BAXTER & WOODMAN Consulting Engineers	CONSULTANTS / REVISED – / REVISED – / REVISED – / REVISED –	CITY OF JOLIET, ILLINOIS SPRING CREEK PHASE 1 WATER MAIN IMPROVEMENTS CITY OF JOLIET CONTRACT NO.2767-0124	LANDAU AVENUE STA. 50+00 TO STA. 55+00 PLAN AND PROFILE SCALE: HORIZ 1"=20' / VERT 1"=5' PROJECT NO: 221587.40

DESIGNED – RMM	TOTAL SHEETS	SHEET NO.
DRAWN – AAM/JJS	56	18
CHECKED – MJK		
DATE – 10/12/2023		

P:\JOLTC\221587-2024 WATER MAIN SURV\CAD\SPRING CREEK PHASE 1\01_CIVIL 3D\01_SHTS-PLANS\221587-SPRINGCREEK-DESIGN-SHEETS.DWG 50+00.00
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FOR CONTINUATION SEE SHEET 37

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.

ABANDON EXISTING VALVE VAULT

SEE SHEET 37
FOR DESCRIPTION OF WATER MAIN WORK

92 L.F. OF 8" WATER MAIN

ABANDON EXISTING 6" WATER MAIN

WATER SERVICE LINE (TYP.)

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

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

REMOVE EXISTING FIRE HYDRANT

257 L.F. OF 8" WATER MAIN

REMOVE AND REPLACE (1) 2' INLET, TYPE A

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

NOTE:
INSTALL WATER MAIN INSULATION WHERE DEPTH OF COVER IS LESS THAN 4 FEET.

STREET

COLUMBIA

LANDAU AVENUE

SEE SHEET 18

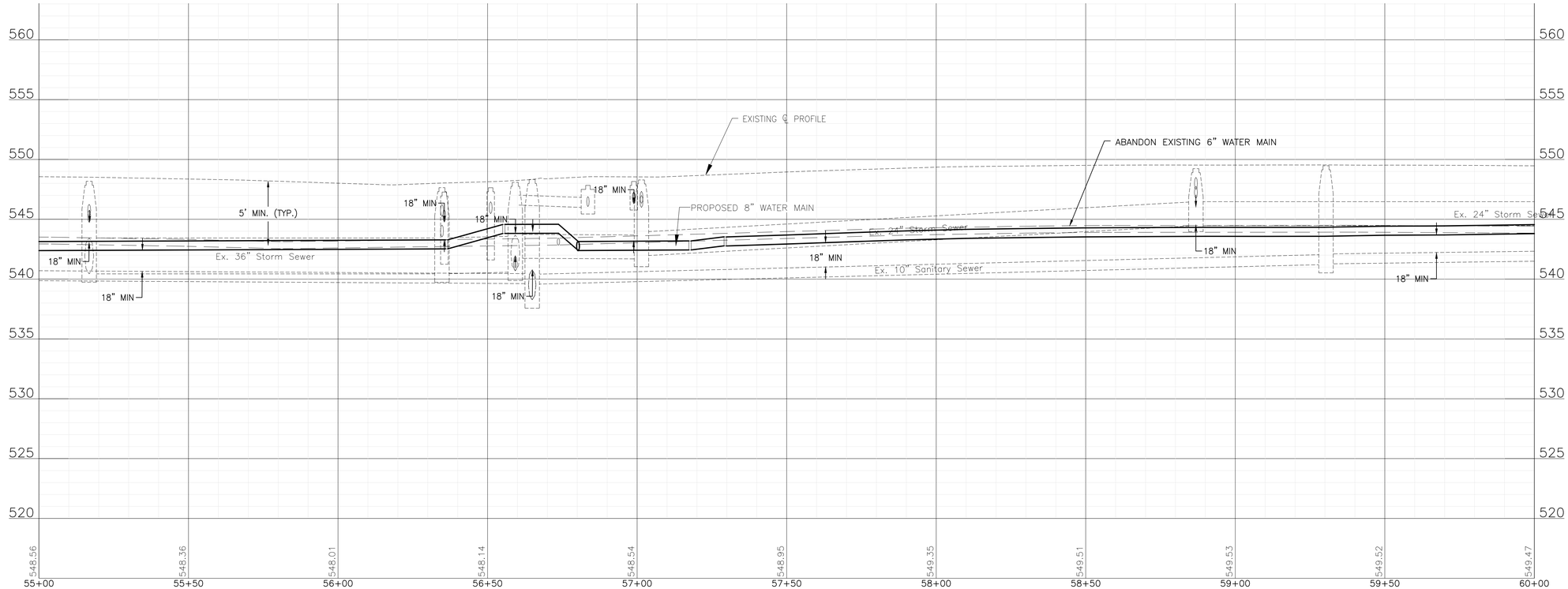
SEE SHEET 20

STA. 55+00

STA. 60+00

MATCH LINE

FOR CONTINUATION SEE SHEET 38



FINAL DESIGN
FOR BIDDING

BAXTER & WOODMAN Consulting Engineers	CONSULTANTS	REVISED –	CITY OF JOLIET, ILLINOIS SPRING CREEK PHASE 1 WATER MAIN IMPROVEMENTS CITY OF JOLIET CONTRACT NO.2767-0124
		REVISED –	
		REVISED –	
		REVISED –	

LANDAU AVENUE STA. 55+00 TO STA. 60+00 PLAN AND PROFILE

SCALE: HORIZ 1"=20' / VERT 1"=5' PROJECT NO: 221587.40

DESIGNED – RMM		TOTAL SHEETS	SHEET NO.
DRAWN – AAM/JJS		56	19
CHECKED – MJK			
DATE – 10/12/2023			

P:\JOLIT\221587-2024 WATER MAIN SURV\CAD\SPRING CREEK PHASE 1\01_CIVIL 3D\01_SHTS-PLANS\221587-SPRINGCREEK-DESIGN-SHEETS.DWG 55+00.00
Plotted: 10/10/2023 9:10 AM By: AMAKKAOUI
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NOTE:
WATER SERVICES: (19) WATER SERVICE CONNECTIONS ARE ANTICIPATED ON THIS STREET. FINAL NUMBER AND LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

NOTE:
INSTALL WATER MAIN INSULATION WHERE DEPTH OF COVER IS LESS THAN 4 FEET.

84 L.F. OF 8" WATER MAIN

70 L.F. OF 8" RJT WATER MAIN,
(1) 8" TEE,
(1) 8" VALVE IN 4' VAULT

ABANDON EXISTING 6" WATER MAIN

WATER SERVICE LINE (TYP.)

294 L.F. OF 8" WATER MAIN

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

REMOVE EXISTING FIRE HYDRANT

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

SEE SHEET 40
FOR DESCRIPTION OF WATER MAIN WORK

ABANDON EXISTING VALVE VAULT

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

56 L.F. OF 8" RJT WATER MAIN,
22 L.F. OF 16" CASING PIPE (OPEN CUT)
(1) 8" VALVE IN 4' VAULT

SEE SHEET 43
FOR DESCRIPTION OF WATER MAIN WORK

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.

ELWOOD AVENUE

LANDAU AVENUE

WARD AVENUE

FOR CONTINUATION SEE SHEET 40

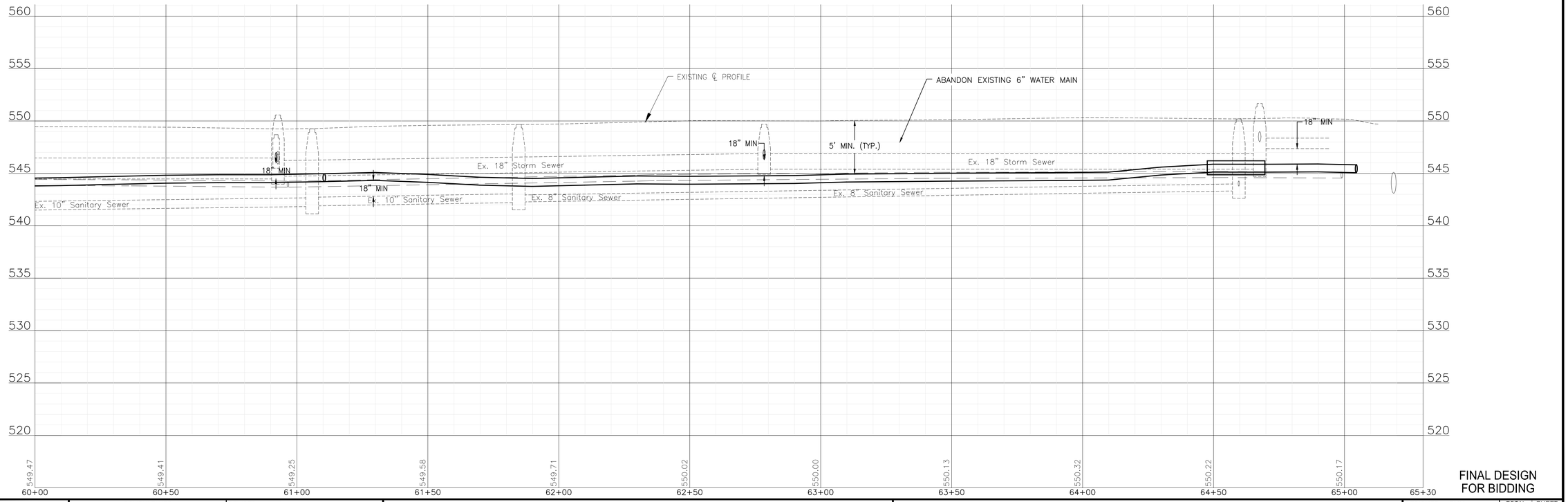
FOR CONTINUATION SEE SHEET 42

FOR CONTINUATION SEE SHEET 43

SEE SHEET 19

MATCH LINE

STA. 60+00



FINAL DESIGN
FOR BIDDING

BAXTER & WOODMAN Consulting Engineers	CONSULTANTS	REVISED –	CITY OF JOLIET, ILLINOIS SPRING CREEK PHASE 1 WATER MAIN IMPROVEMENTS CITY OF JOLIET CONTRACT NO.2767-0124
		REVISED –	
		REVISED –	
		REVISED –	

LANDAU AVENUE STA. 60+00 TO STA. 66+00 PLAN AND PROFILE

SCALE: HORIZ 1"=20' / VERT 1"=5' | PROJECT NO: 221587.40

DESIGNED – RMM
DRAWN – AAM/JJS
CHECKED – MJK
DATE – 10/12/2023

TOTAL SHEETS: 56
SHEET NO.: 20

P:\JOLIT\221587-2024 WATER MAIN SURV\CAD\SPRING CREEK PHASE 1\01_CIVIL 3D\01_SHTS-PLANS\221587-SPRINGCREEK-DESIGN-SHEETS.DWG
Plotted: 10/10/2023 9:10 AM By: AMAKKAOUI
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FOR CONTINUATION SEE SHEET 33

38 L.F. OF 8" RJT DI WATER MAIN,
(1) 8" SLEEVE,
(2) 8" 45° BENDS,
(1) 16" X 8" REDUCER,
(1) 8" NON-PRESSURE CONNECTION

(1) 8" LINE STOP

RETIRE EXISTING VALVE VAULT

RETIRE EXISTING VALVE BOX

11 L.F. OF 6" RJT DI WATER MAIN,
(1) 16" X 6" TEE,
(1) FIRE HYDRANT

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.

ABANDON EXISTING 6" WATER MAIN

WATER SERVICE LINE (TYP.)

REMOVE EXISTING FIRE HYDRANT

EAST JACKSON STREET

HENDERSON AVENUE

56 L.F. OF 8" RJT WATER MAIN

45 L.F. OF 8" RJT DI WATER MAIN,
(1) 16" X 8" REDUCER,
(4) 8" 45° VERTICAL BENDS,
22 L.F. OF 16" CASING PIPE
(TUNNELING UNDER SEWER)

SEE SHEET 33
FOR DESCRIPTION OF WATER MAIN WORK

44 L.F. OF 16" RJT DI WATER MAIN,
(1) 16" VALVE IN 5' VAULT,
(1) 16" CROSS,

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

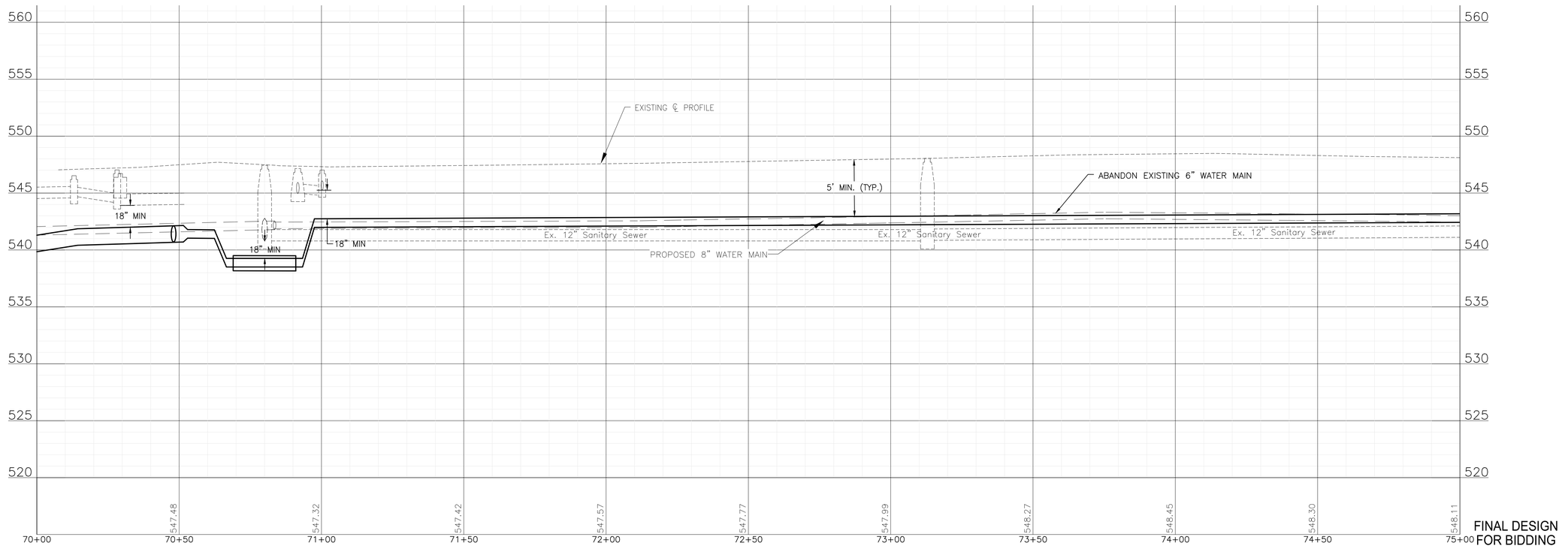
347 L.F. OF 8" WATER MAIN

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

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.

SEE SHEET 22
STA. 75+00
MATCH LINE

FOR CONTINUATION SEE SHEET 33



FINAL DESIGN
FOR BIDDING

CONSULTANTS	REVISED –
	REVISED –
	REVISED –
	REVISED –

BAXTER & WOODMAN Consulting Engineers

CITY OF JOLIET, ILLINOIS
SPRING CREEK PHASE 1 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO.2767-0124

HENDERSON AVENUE STA. 70+00 TO STA. 75+00 PLAN AND PROFILE

SCALE: HORIZ 1"=20' / VERT 1"=5'
PROJECT NO: 221587.40

DESIGNED –	RMM
DRAWN –	AAM/JJS
CHECKED –	MJK
DATE –	10/12/2023

TOTAL SHEETS	SHEET NO.
56	21

P:\JOLITC\221587-2024 WATER MAIN SURV\CAD\SPRING CREEK PHASE 1\01_CIVIL 3D\01_SHTS-PLANS\221587-SPRINGCREEK-DESIGN-SHEETS.DWG 70+00.00
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REMOVE AND REPLACE 28 L.F. OF 12" SANITARY SEWER WITH WATER MAIN QUALITY PIPE

BRACE POLE (TYP.)

TREE ROOT PRUNING (TYP.)

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

REMOVE EXISTING FIRE HYDRANT

206 L.F. OF 8" WATER MAIN

REMOVE AND REPLACE (1) 2' INLET, TYPE A

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

REMOVE EXISTING FIRE HYDRANT

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

206 L.F. OF 6" WATER MAIN

64 L.F. OF 8" RJT WATER MAIN, (2) 8" 45° BENDS, 40 L.F. OF 8" PIPE INSULATION

WATER SERVICE LINE (TYP.)

35 L.F. OF 8" RJT WATER MAIN, (1) 8" X 6" REDUCER

ABANDON EXISTING VALVE VAULT

ABANDON EXISTING 6" WATER MAIN

NOTE:
WATER SERVICES: (18) WATER SERVICE CONNECTIONS ARE ANTICIPATED ON THIS STREET. 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.

SEE SHEET 21 — STA. 75+00 — MATCH LINE

SEE SHEET 23 — STA. 80+00 — MATCH LINE

HENDERSON AVENUE

EXISTING ℄ PROFILE

ABANDON EXISTING 6" WATER MAIN

18" MIN

Ex. 15" Storm Sewer

Ex. 10" Sanitary Sewer

PROPOSED 8" WATER MAIN

5' MIN. (TYP.)

18" MIN

Ex. 15" Storm Sewer

Ex. 10" Sanitary Sewer

PROPOSED 6" WATER MAIN

560 555 550 545 540 535 530 525 520

548.11 548.02 548.16 548.35 548.48 548.40 548.19 548.22 548.36 548.50 548.68

75+00 75+50 76+00 76+50 77+00 77+50 78+00 78+50 79+00 79+50 80+00

FINAL DESIGN FOR BIDDING

BAXTER & WOODMAN Consulting Engineers

CONSULTANTS	REVISED –
	REVISED –
	REVISED –
	REVISED –

CITY OF JOLIET, ILLINOIS
SPRING CREEK PHASE 1 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO.2767-0124

HENDERSON AVENUE STA. 75+00 TO STA. 80+00 PLAN AND PROFILE

SCALE: HORIZ 1"=20' / VERT 1"=5' | PROJECT NO: 221587.40

		TOTAL SHEETS	SHEET NO.
DESIGNED	– RMM	56	22
DRAWN	– AAM/JJS		
CHECKED	– MJK		
DATE	– 10/12/2023		

P:\JOLTC\221587-2024 WATER MAIN SURV\CAD\SPRING CREEK PHASE 1\01_CIVIL 3D\01_SHTS-PLANS\221587-SPRINGCREEK-DESIGN-SHEETS.DWG 75+00.00
Plotted: 10/10/2023 9:10 AM By: AMAKKAOUI
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NOTE:
WATER SERVICES: (17) WATER SERVICE CONNECTIONS ARE ANTICIPATED ON THIS STREET. FINAL NUMBER AND LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

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

248 L.F. OF 6" WATER MAIN

BRACE POLE (TYP.)

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

REMOVE EXISTING FIRE HYDRANT

REMOVE AND REPLACE (1) 2' INLET, TYPE A

TREE ROOT PRUNING (TYP.)

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

ABANDON EXISTING 6" WATER MAIN

REMOVE EXISTING FIRE HYDRANT

ABANDON EXISTING 6" WATER MAIN

WATER SERVICE LINE (TYP.)

71 L.F. OF 6" RJT WATER MAIN, (1) 6" VALVE IN 4' VAULT

66 L.F. OF 6" RJT WATER MAIN, (1) 6" VALVE IN 4' VAULT

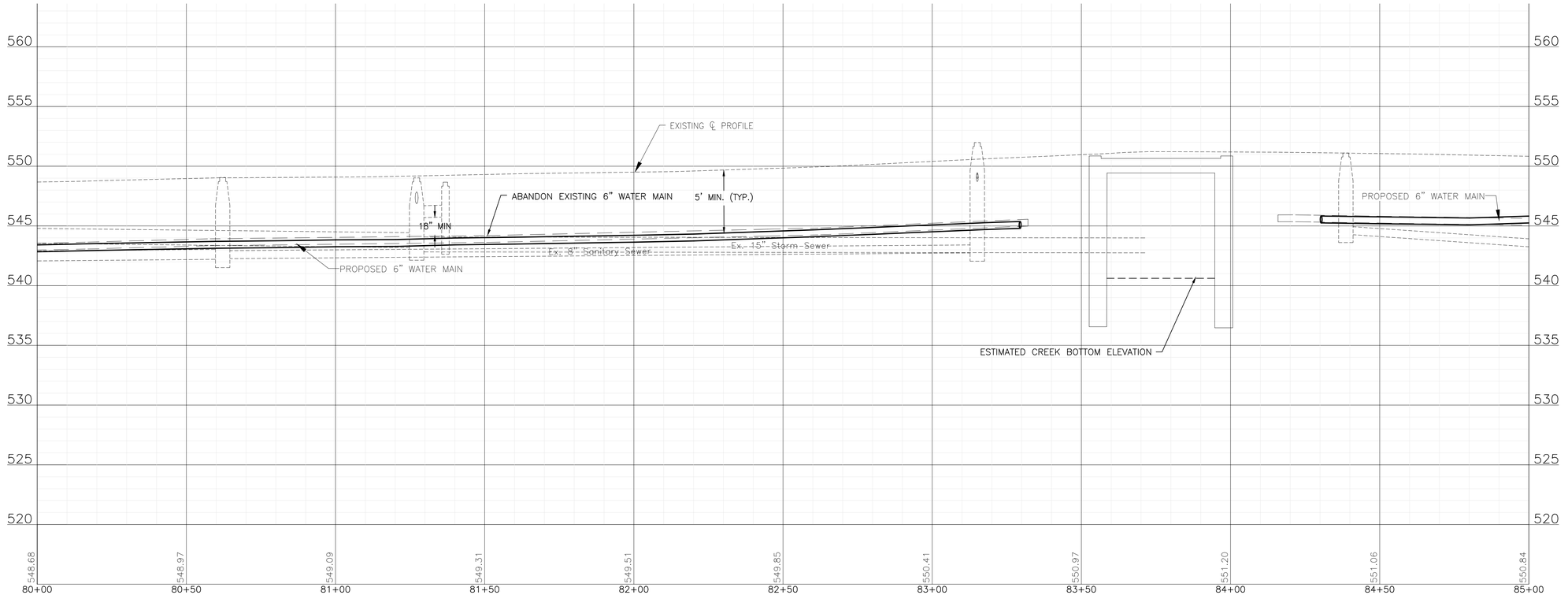
NOTE:
STORM SEWER PIPE ON THIS SHEET HAS BEEN PREVIOUSLY INSTALLED AS REINFORCED CONCRETE PIPE CONFORMING TO ASTM C76 WITH JOINTS CONFORMING TO ASTM C361 OR ASTM C443.

SPRING CREEK

HENDERSON AVENUE

SEE SHEET 22 — STA. 80+00 — MATCH LINE

SEE SHEET 24 — STA. 85+00 — MATCH LINE



FINAL DESIGN FOR BIDDING

BAXTER & WOODMAN Consulting Engineers

CONSULTANTS	REVISED –
	REVISED –
	REVISED –
	REVISED –

CITY OF JOLIET, ILLINOIS
SPRING CREEK PHASE 1 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO.2767-0124

HENDERSON AVENUE STA. 80+00 TO STA. 85+00 PLAN AND PROFILE

SCALE: HORIZ 1"=20' / VERT 1"=5'
PROJECT NO: 221587.40

DESIGNED – RMM	
DRAWN – AAM/JJS	
CHECKED – MJK	
DATE – 10/12/2023	

TOTAL SHEETS	SHEET NO.
56	23

P:\JOLTC\221587-2024 WATER MAIN SURV\CAD\SPRING CREEK PHASE 1\01_CIVIL 3D\01_SHTS-PLANS\221587-SPRINGCREEK-DESIGN-SHEETS.DWG 80+00
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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.

FOR CONTINUATION SEE SHEET 38

ABANDON EXISTING VALVE BOX

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

SEE SHEET 38
FOR DESCRIPTION OF WATER MAIN WORK

REMOVE EXISTING FIRE HYDRANT

60 L.F. OF 6" WATER MAIN

ABANDON EXISTING VALVE VAULT

WATER SERVICE LINE (TYP.)

ABANDON EXISTING 6" WATER MAIN

STREET

COLUMBIA

SEE SHEET 23
STA. 85+00
MATCH LINE

SEE SHEET 25
STA. 90+00
MATCH LINE

156 L.F. OF 6" RJT WATER MAIN,
(2) 66° 45' BENDS,
(1) 6" VALVE IN 4' VAULT,
(1) 16" X 6" REDUCER

210 L.F. OF 16" DI WATER MAIN

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

5 L.F. OF 6" RJT DI WATER MAIN,
(1) 16" X 6" TEE,
(1) FIRE HYDRANT

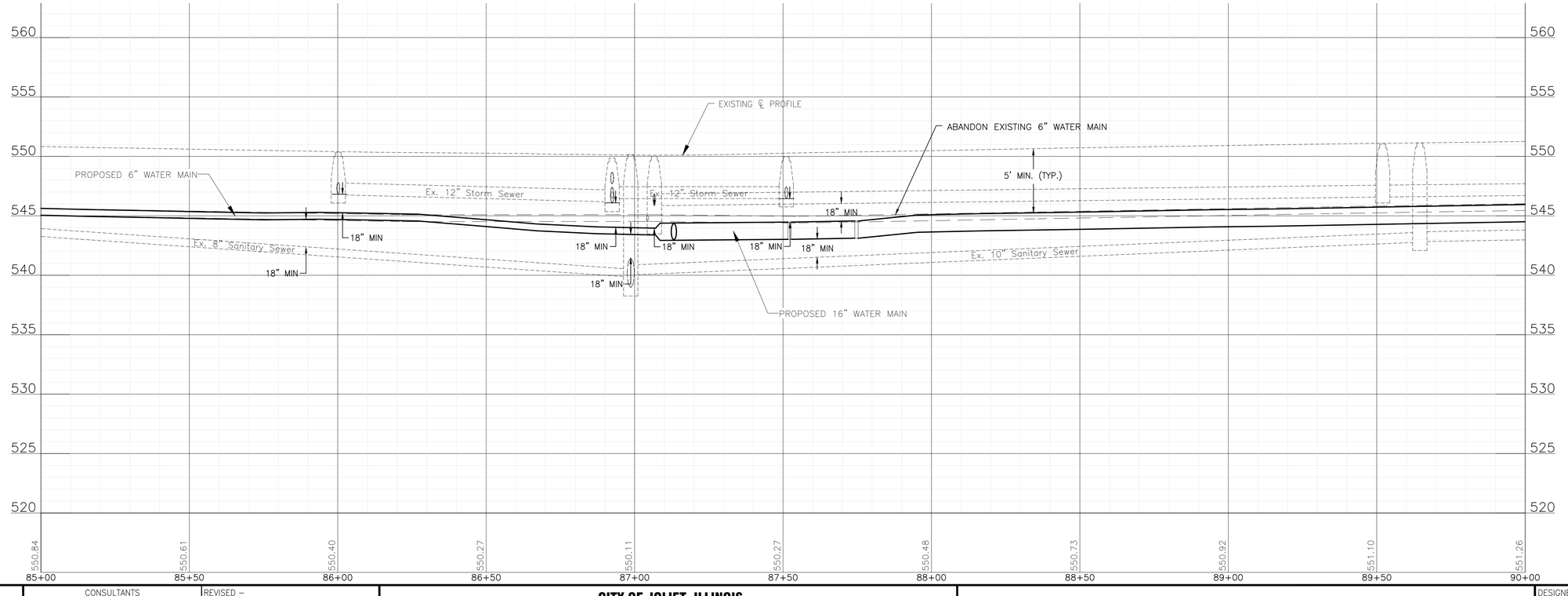
91 L.F. OF 16" RJT DI WATER MAIN,
(2) 16" 45° BENDS,
(1) 16" CROSS,
(1) 16" VALVE IN 5' VAULT

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.

SEE SHEET 38
FOR DESCRIPTION OF WATER MAIN WORK

FOR CONTINUATION SEE SHEET 39

HENDERSON AVENUE



FINAL DESIGN
FOR BIDDING

BAXTER & WOODMAN Consulting Engineers	CONSULTANTS / REVISED – / REVISED – / REVISED – / REVISED –	CITY OF JOLIET, ILLINOIS SPRING CREEK PHASE 1 WATER MAIN IMPROVEMENTS CITY OF JOLIET CONTRACT NO.2767-0124	HENDERSON AVENUE STA. 85+00 TO STA. 90+00 PLAN AND PROFILE SCALE: HORIZ 1"=20' / VERT 1"=5' PROJECT NO: 221587.40

	TOTAL SHEETS	SHEET NO.
DESIGNED – RMM DRAWN – AAM/JJS CHECKED – MJK DATE – 10/12/2023	56	24

P:\JOLTC\221587-2024 WATER MAIN SURV\CAD\SPRING CREEK PHASE 1\01_CIVIL 3D\01_SHTS-PLANS\221587-SPRINGCREEK-DESIGN-SHEETS.DWG 85+00.00
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FOR CONTINUATION SEE SHEET 40

FOR CONTINUATION SEE SHEET 43

SEE SHEET 40
FOR DESCRIPTION OF WATER MAIN WORK

SEE SHEET 43
FOR DESCRIPTION OF WATER MAIN WORK

60 L.F. OF 16" DI WATER MAIN

5 L.F. OF 6" RJT DI WATER MAIN,
(1) 16" X 6" TEE,
(1) FIRE HYDRANT

NOTE:
WATER SERVICES: (19) WATER SERVICE CONNECTIONS ARE ANTICIPATED ON THIS STREET. FINAL NUMBER AND LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

REMOVE AND REPLACE (2) 2' INLETS, TYPE A

6 L.F. OF 6" RJT DI WATER MAIN,
(1) 16" X 6" TEE,
(1) FIRE HYDRANT

REMOVE EXISTING FIRE HYDRANT

BRACE POLE (TYP.)

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

REMOVE EXISTING FIRE HYDRANT

WATER SERVICE LINE (TYP.)

ABANDON EXISTING 6" WATER MAIN

143 L.F. OF 16" DI WATER MAIN

150 L.F. OF 16" RJT DI WATER MAIN,
(1) 16" VALVE IN 5' VAULT,
(1) 16" X 8" TEE,
(1) 16" CAP

198 L.F. OF 16" RJT DI WATER MAIN,
(2) 16" VALVES IN 5' VAULTS,
(4) 16" 45° BENDS (ROLLED UP/DOWN)
(1) 16" X 8" CROSS
23 L.F. OF 30" CASING PIPE
(TUNNELING UNDER SEWER)

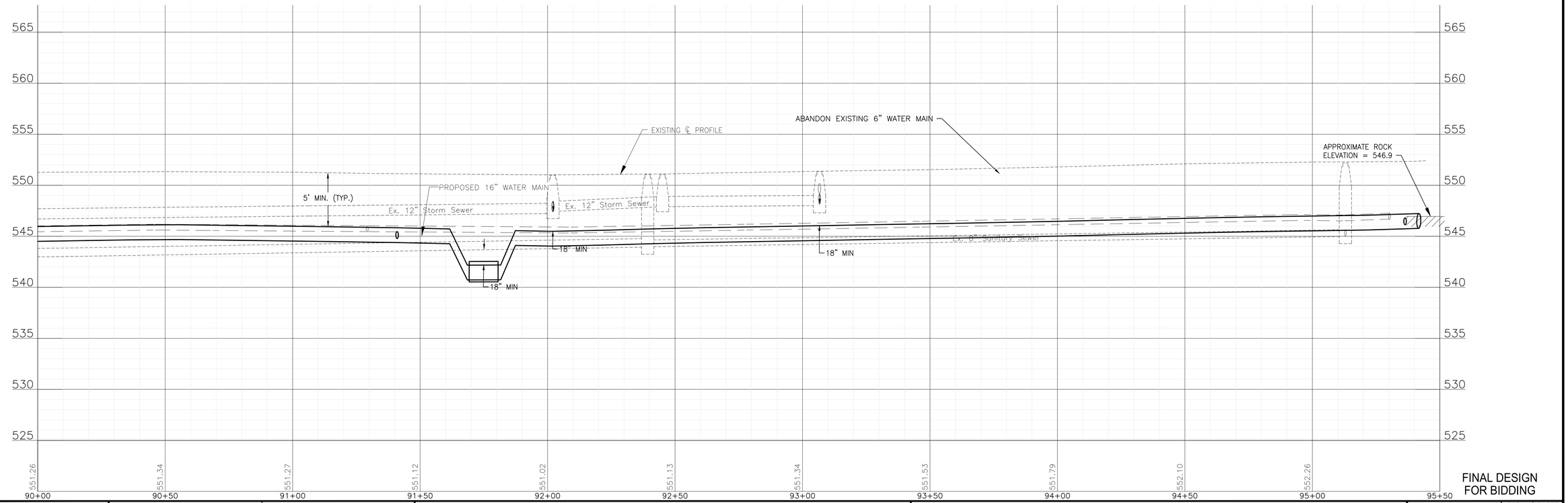
NOTE:
STORM SEWER PIPE ON THIS SHEET HAS BEEN PREVIOUSLY INSTALLED AS REINFORCED CONCRETE PIPE CONFORMING TO ASTM C76 WITH JOINTS CONFORMING TO ASTM C361 OR ASTM C443.

ELWOOD AVENUE

HENDERSON AVENUE

FOR CONTINUATION SEE SHEET 41

MATCH LINE STA. 90+00 SEE SHEET 24



FINAL DESIGN FOR BIDDING

BAXTER & WOODMAN Consulting Engineers

CONSULTANTS	REVISED –
	REVISED –
	REVISED –
	REVISED –

CITY OF JOLIET, ILLINOIS
SPRING CREEK PHASE 1 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO.2767-0124

HENDERSON AVENUE STA. 90+00 TO STA. 96+00 PLAN AND PROFILE

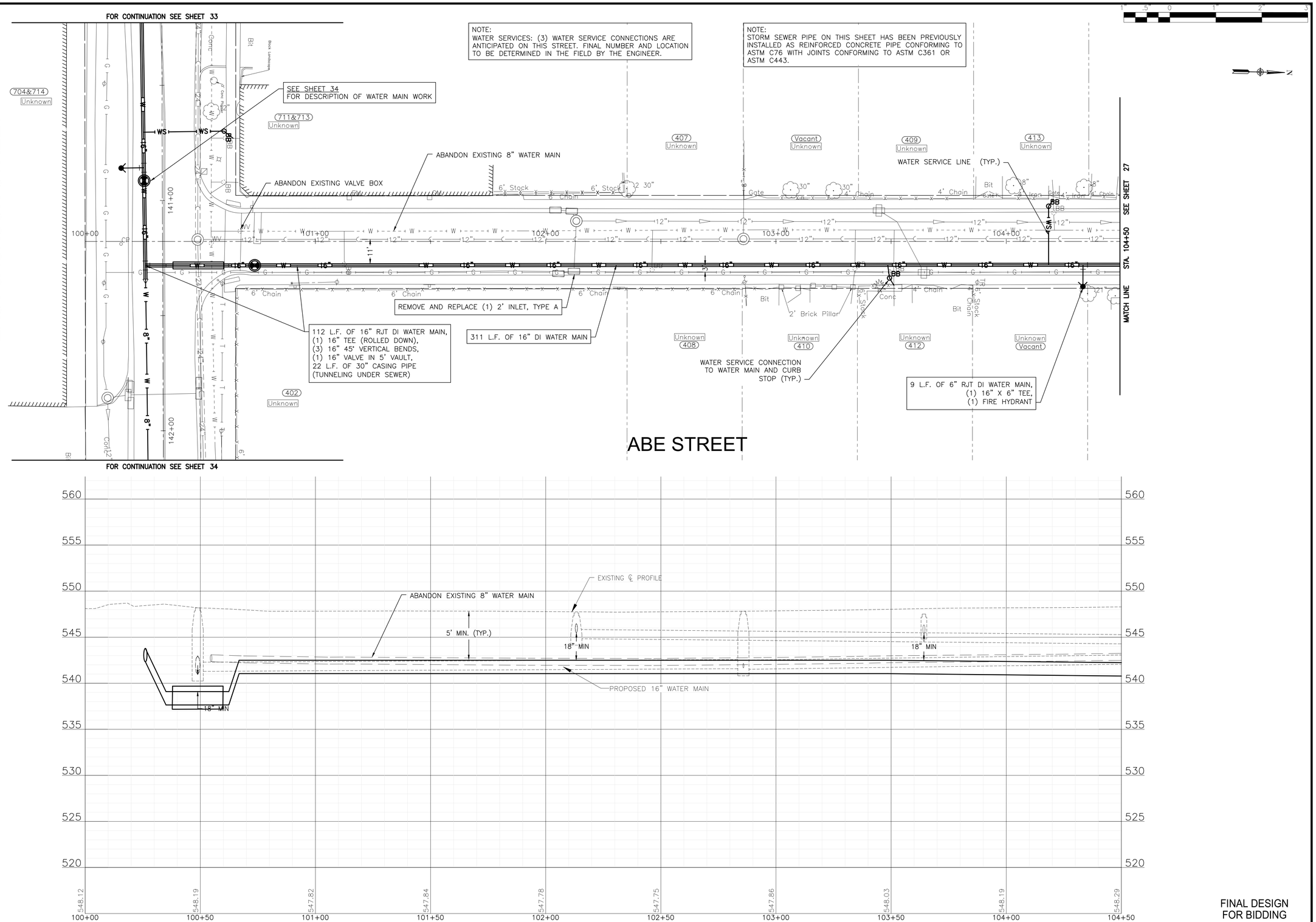
SCALE: HORIZ 1"=20' / VERT 1"=5'

PROJECT NO: 221587.40

DESIGNED – RMM	
DRAWN – AAM/JJS	
CHECKED – MJK	
DATE – 10/12/2023	

TOTAL SHEETS	SHEET NO.
56	25

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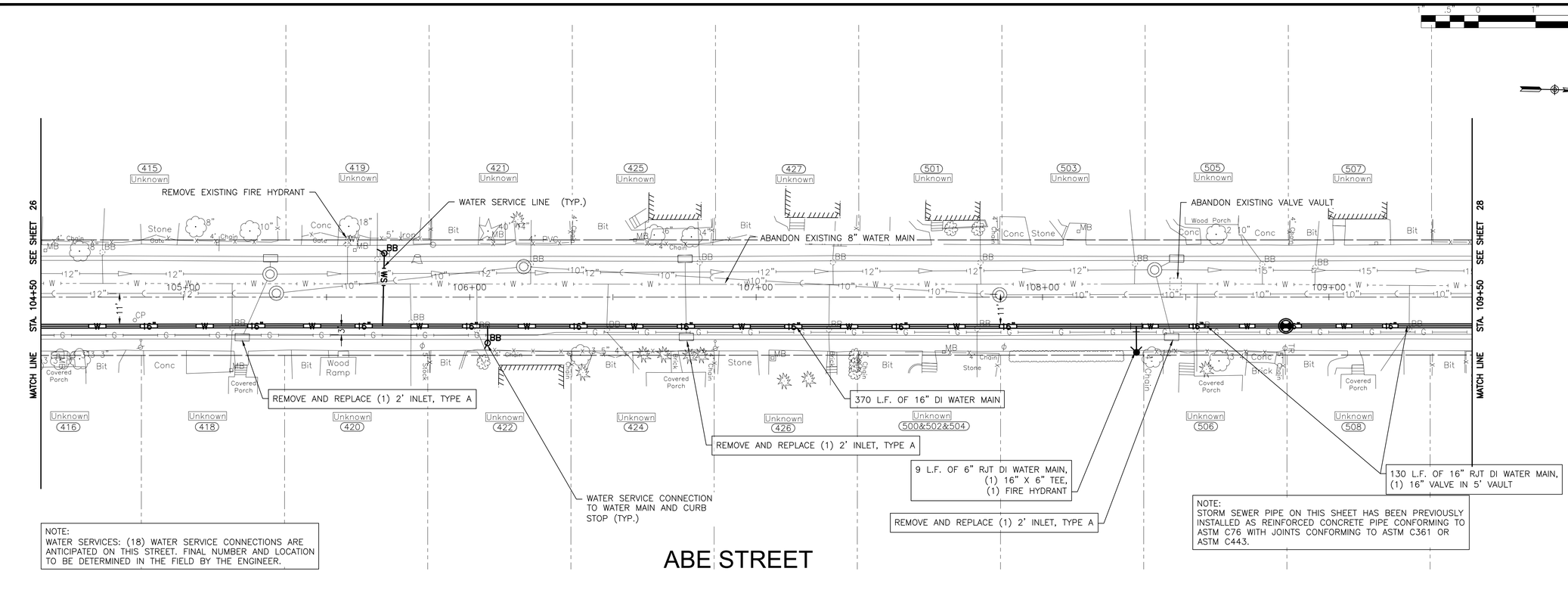
BAXTER & WOODMAN Consulting Engineers	CONSULTANTS	REVISED –	CITY OF JOLIET, ILLINOIS SPRING CREEK PHASE 1 WATER MAIN IMPROVEMENTS CITY OF JOLIET CONTRACT NO.2767-0124
		REVISED –	
		REVISED –	
		REVISED –	

ABE STREET STA. 100+00 TO STA. 104+50 PLAN AND PROFILE

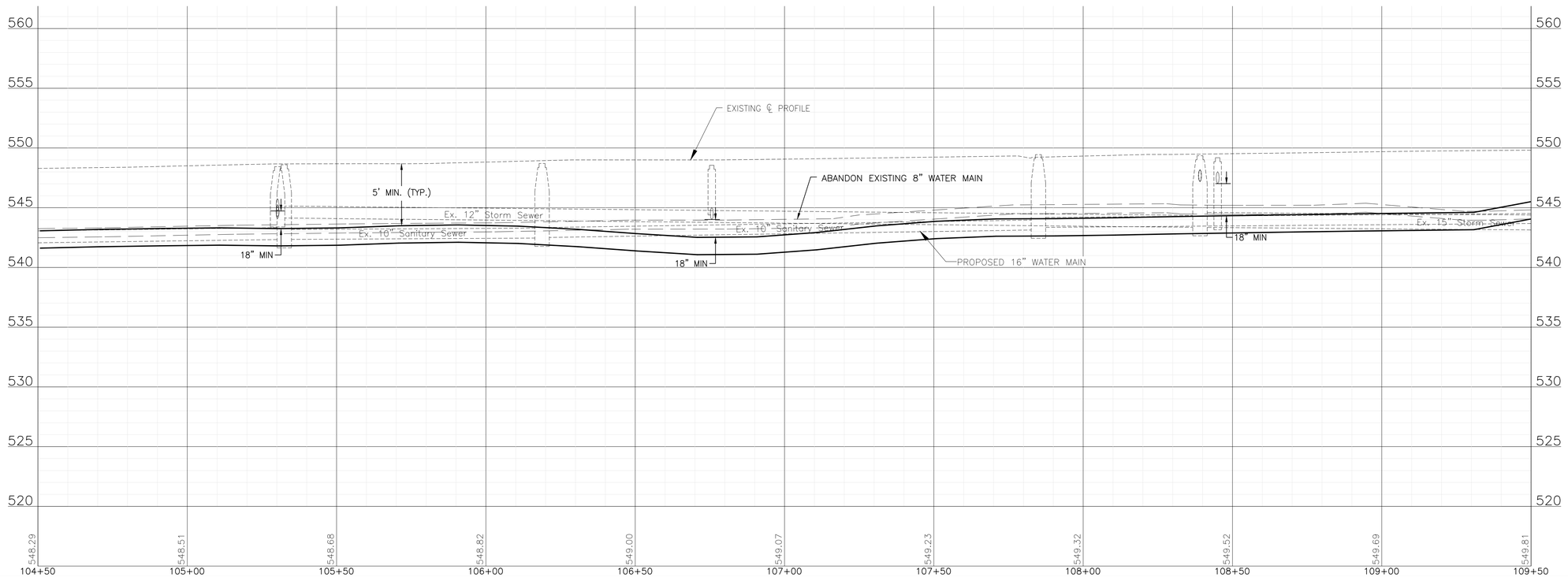
SCALE: HORIZ 1"=20' / VERT 1"=5' | PROJECT NO: 221587.40

		TOTAL SHEETS	SHEET NO.
DESIGNED – RMM			
DRAWN – AAM/JJS		56	26
CHECKED – MJK			
DATE – 10/12/2023			

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ABE STREET



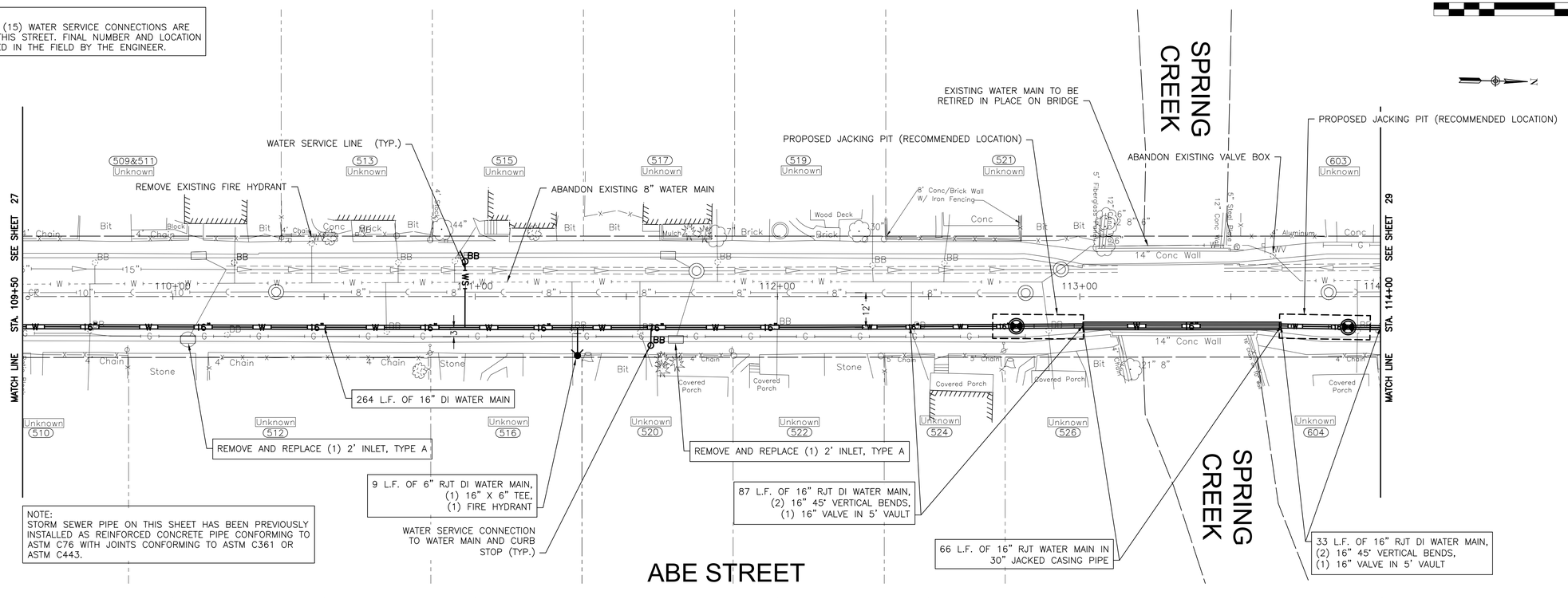
FINAL DESIGN FOR BIDDING

BAXTER & WOODMAN Consulting Engineers	CONSULTANTS / REVISED – / REVISED – / REVISED – / REVISED –	CITY OF JOLIET, ILLINOIS SPRING CREEK PHASE 1 WATER MAIN IMPROVEMENTS CITY OF JOLIET CONTRACT NO.2767-0124	ABE STREET STA. 104+50 TO STA. 109+50 PLAN AND PROFILE SCALE: HORIZ 1"=20' / VERT 1"=5' PROJECT NO: 221587.40

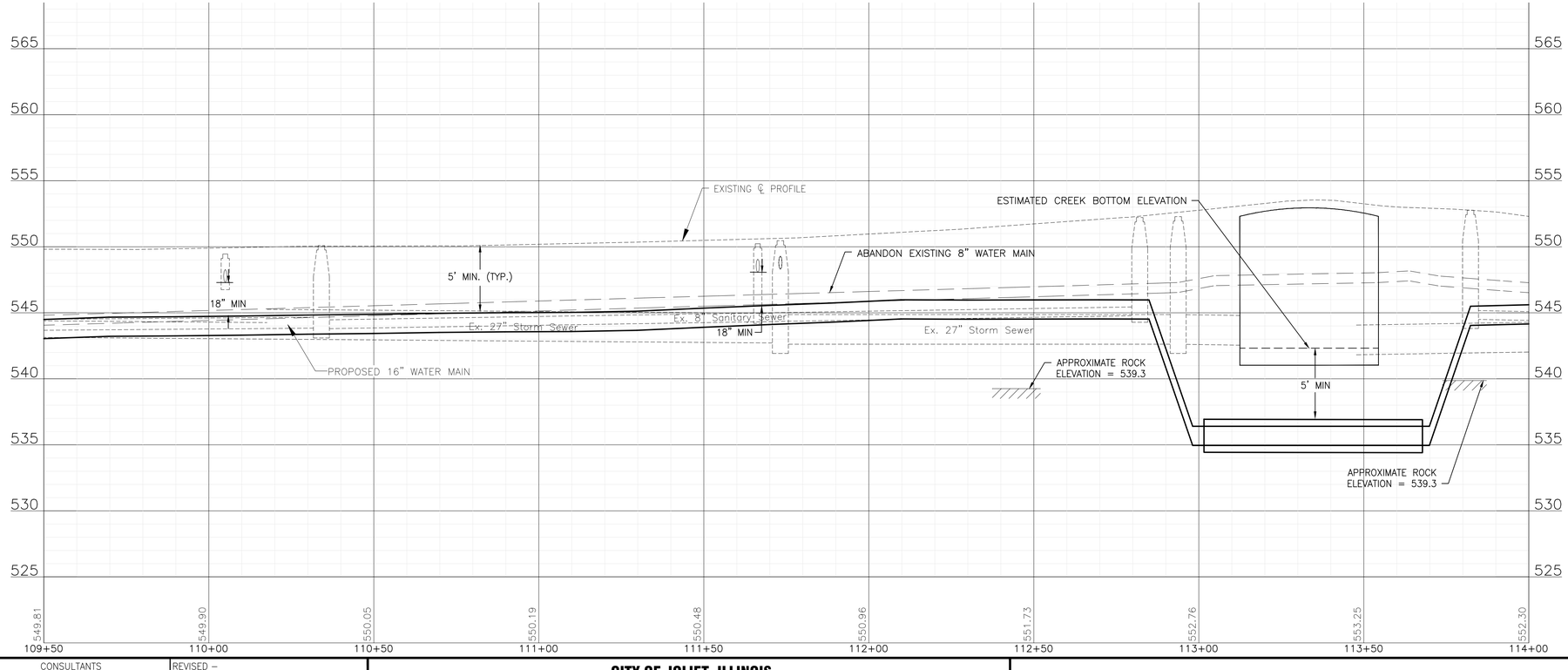
DESIGNED – RMM	TOTAL SHEETS	SHEET NO.	
DRAWN – AAM/JJS	56	27	
CHECKED – MJK			
DATE – 10/12/2023			

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NOTE:
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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

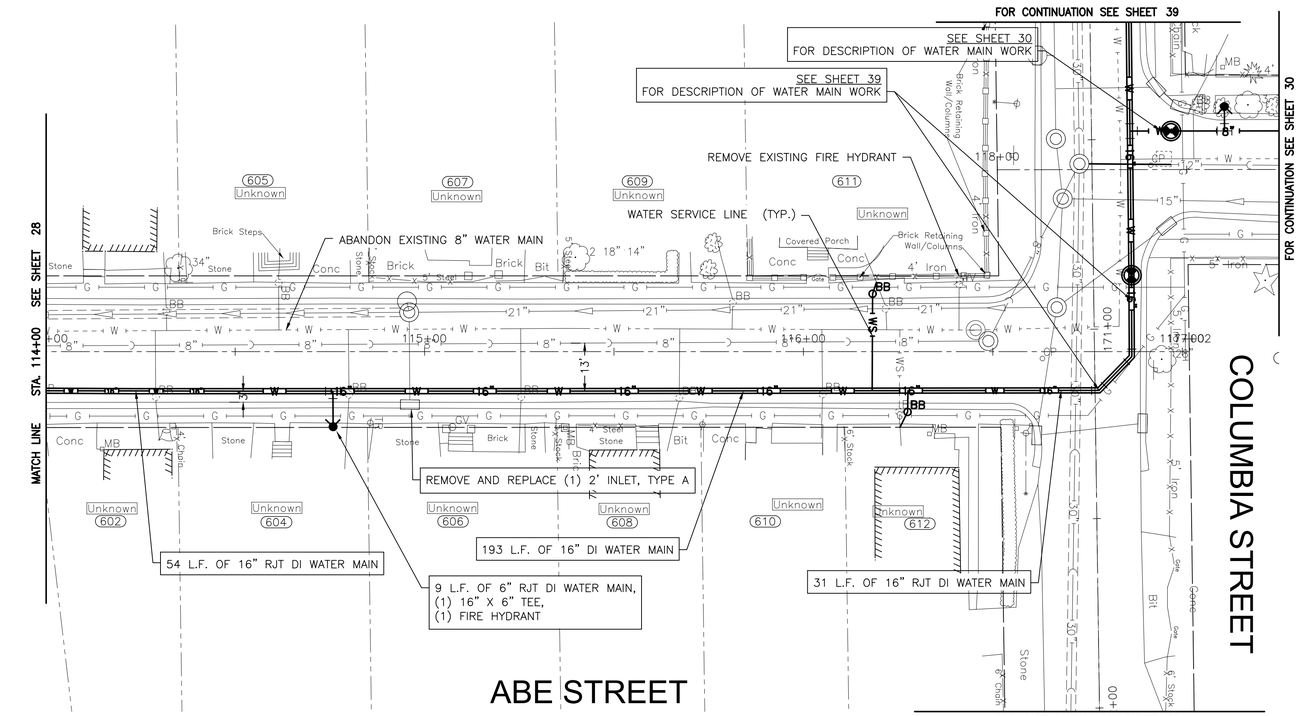
BAXTER & WOODMAN Consulting Engineers	CONSULTANTS	REVISED –	CITY OF JOLIET, ILLINOIS SPRING CREEK PHASE 1 WATER MAIN IMPROVEMENTS CITY OF JOLIET CONTRACT NO.2767-0124
		REVISED –	
		REVISED –	
		REVISED –	

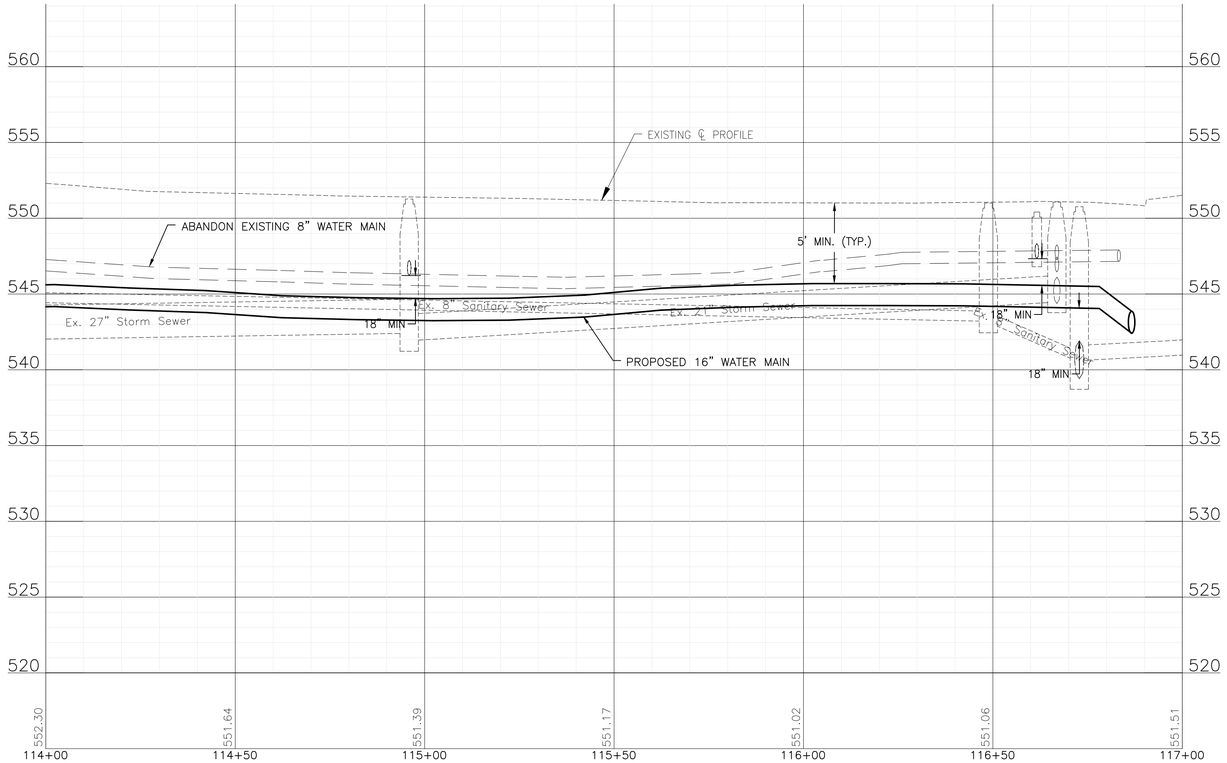
ABE STREET STA. 109+50 TO STA. 114+00 PLAN AND PROFILE

SCALE: HORIZ 1"=20' / VERT 1"=5' PROJECT NO: 221587.40

		TOTAL SHEETS	SHEET NO.
DESIGNED – RMM			
DRAWN – AAM/JJS			
CHECKED – MJK		56	28
DATE – 10/12/2023			

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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.

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:\JOLTC\221587-2024 WATER MAIN SURV\CAD\SPRING CREEK PHASE 1\01_CIVIL 3D\01_SHTS-PLANS\221587-SPRINGCREEK-DESIGN-SHEETS.DWG 114+00.00
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BAXTER & WOODMAN Consulting Engineers

CONSULTANTS	REVISED –
	REVISED –
	REVISED –
	REVISED –

CITY OF JOLIET, ILLINOIS
SPRING CREEK PHASE 1 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO.2767-0124

ABE STREET STA. 114+00 TO STA. 117+00 PLAN AND PROFILE

SCALE: HORIZ 1"=20' / VERT 1"=5'
PROJECT NO: 221587.40

		TOTAL SHEETS	SHEET NO.
DESIGNED – RMM			
DRAWN – AAM/JJS		56	29
CHECKED – MJK			
DATE – 10/12/2023			

FOR CONTINUATION SEE SHEET 39

COLUMBIA STREET

SEE SHEET 39
FOR DESCRIPTION OF SEWER MAIN WORK

46 L.F. OF 8" RJT WATER MAIN,
(1) 8" VALVE IN 4' VAULT

359 L.F. OF 8" WATER MAIN

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

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

WATER SERVICE LINE (TYP.)

ABANDON EXISTING VALVE VAULT

SEE SHEET 39
FOR DESCRIPTION OF WATER MAIN WORK

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.

ABE STREET

FOR CONTINUATION SEE SHEET 39

FOR CONTINUATION SEE SHEET 41

SEE SHEET 41
FOR DESCRIPTION OF WATER MAIN WORK

REMOVE EXISTING FIRE HYDRANT

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

ABANDON EXISTING 6" WATER MAIN

60 L.F. OF 8" RJT WATER MAIN,
(1) 8" VALVE IN 4' VAULT

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.

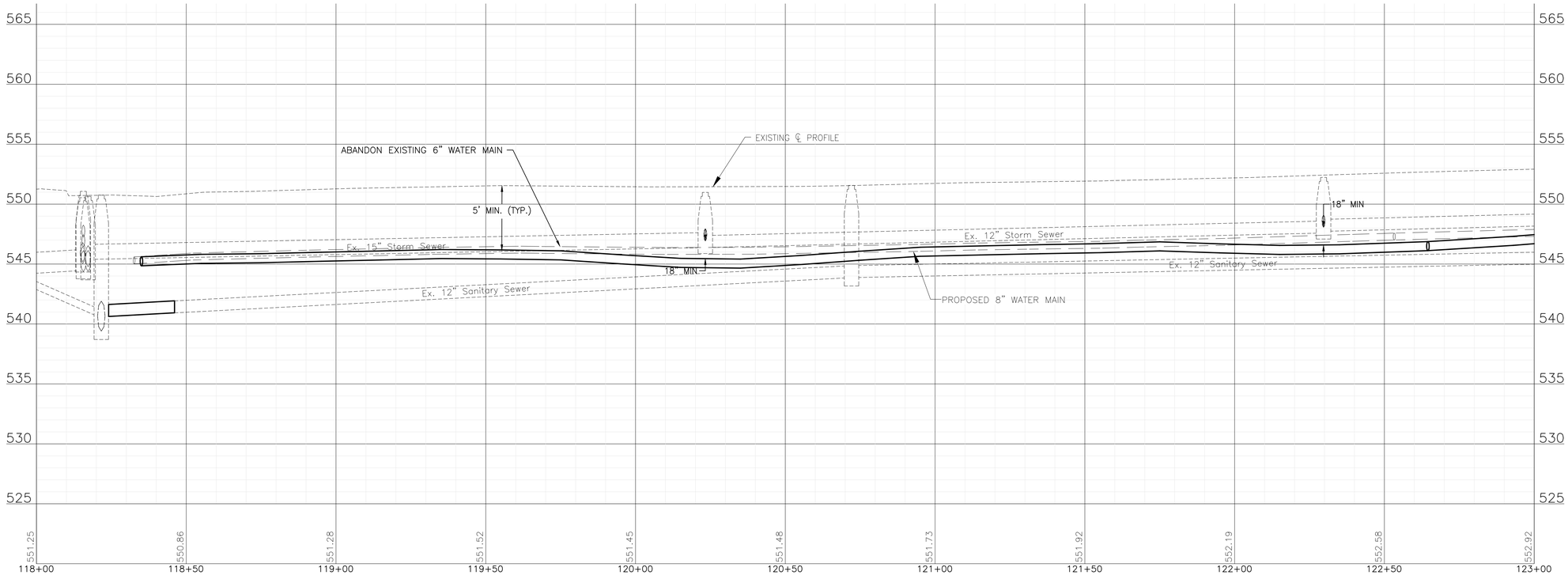
ELWOOD AVENUE

ABE STREET

MATCH LINE STA. 123+00 SEE SHEET 31

FOR CONTINUATION SEE SHEET 29

FOR CONTINUATION SEE SHEET 39



FINAL DESIGN
FOR BIDDING

CONSULTANTS	REVISED –
	REVISED –
	REVISED –
	REVISED –

BAXTER & WOODMAN Consulting Engineers

CITY OF JOLIET, ILLINOIS
SPRING CREEK PHASE 1 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO.2767-0124

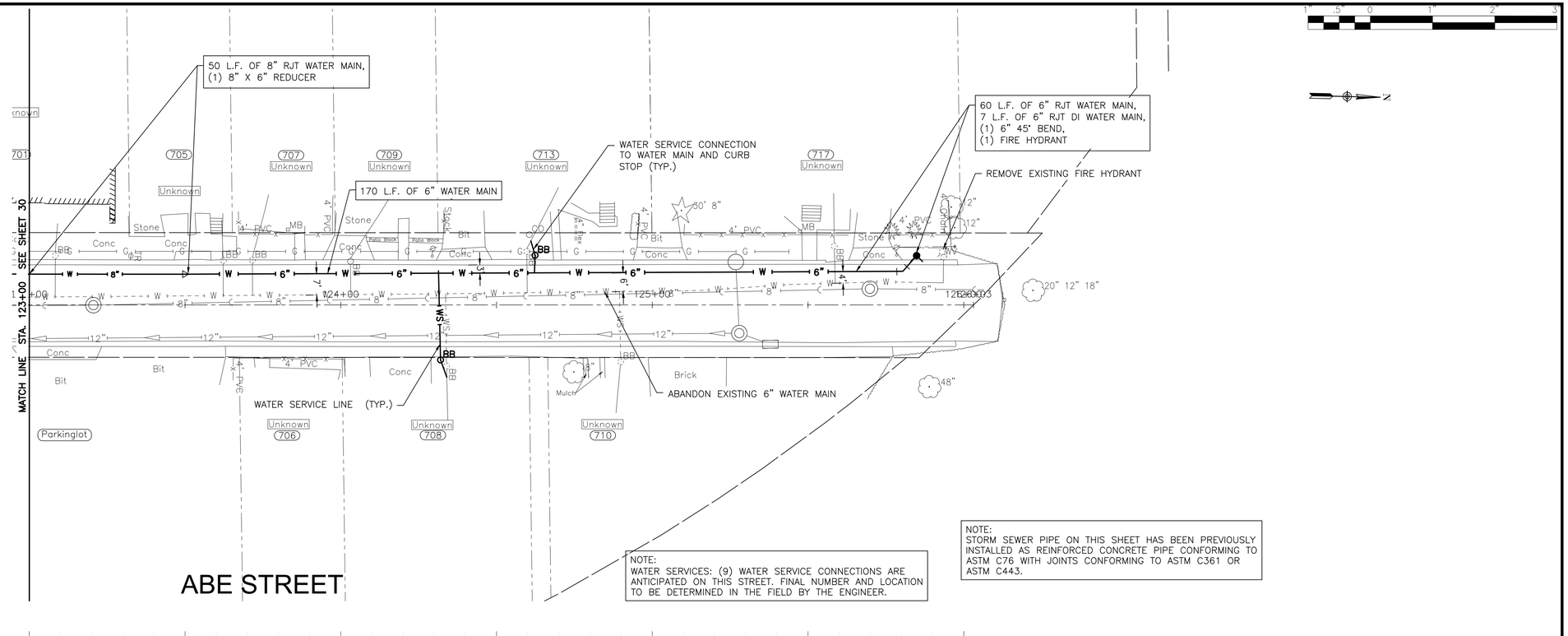
ABE STREET STA. 118+00 TO STA. 123+00 PLAN AND PROFILE

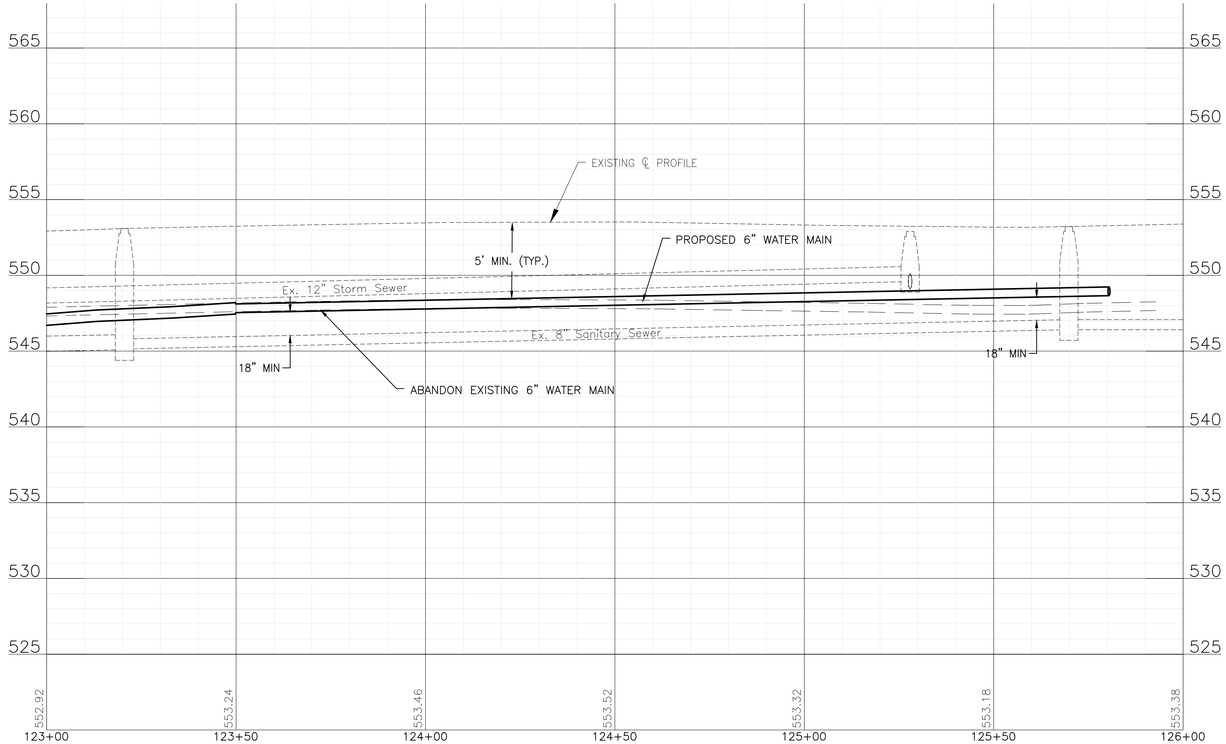
SCALE: HORIZ 1"=20' / VERT 1"=5'
PROJECT NO: 221587.40

DESIGNED –	RMM
DRAWN –	AAM/JJS
CHECKED –	MJK
DATE –	10/12/2023

TOTAL SHEETS	SHEET NO.
56	30

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FINAL DESIGN
FOR BIDDING

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		REVISED –	
		REVISED –	
		REVISED –	

ABE STREET STA. 123+00 TO STA. 127+00 PLAN AND PROFILE

SCALE: HORIZ 1"=20' / VERT 1"=5" PROJECT NO: 221587.40

		TOTAL SHEETS	SHEET NO.
DESIGNED – RMM			
DRAWN – AAM/JJS		56	31
CHECKED – MJK			
DATE – 10/12/2023			

P:\JOLIT\221587-2024 WATER MAIN SURV\CAD\SPRING CREEK PHASE 1\01_CIVIL 3D\01_SHTS-PLANS\221587-SPRINGCREEK-DESIGN-SHEETS.DWG 123+00.00
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FOR CONTINUATION SEE SHEET 11

FOR CONTINUATION SEE SHEET 16

SEE SHEET 11
FOR DESCRIPTION OF WATER MAIN WORK

SEE SHEET 16
FOR DESCRIPTION OF WATER MAIN WORK

GARNSEY AVENUE

LANDAU AVENUE

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.

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

WATER SERVICE LINE (TYP.)

RETIRE EXISTING 8" WATER MAIN

15 L.F. OF 6" RJT DI WATER MAIN,
(1) 12" X 6" TEE,
(1) FIRE HYDRANT

86 L.F. OF 12" DI WATER MAIN

9 L.F. OF 6" RJT DI WATER MAIN,
(1) 12" X 6" TEE,
(1) FIRE HYDRANT

65 L.F. OF 12" RJT DI WATER MAIN,
(2) 12" 45° BENDS

122 L.F. OF 12" RJT DI WATER MAIN,
(1) 8" NON-PRESSURE CONNECTION,
(1) 12" X 8" REDUCER,
(1) 8" SLEEVE,
(1) 12" 45° BENDS,
(1) 12" VALVE IN 5' VAULT,
(1) 12" X 8" TEE

56 L.F. OF 12" DI WATER MAIN

126 L.F. OF 12" DI WATER MAIN

100 L.F. OF 12" RJT DI WATER MAIN,
(1) 12" VALVE IN 5' VAULT,
(1) 12" X 8" TEE

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.

MATCH LINE STA. 135+50 SEE SHEET 33

US 6 / EAST JACKSON STREET

EXISTING ℄ PROFILE

RETIRE EXISTING 8" WATER MAIN

PROPOSED 12" WATER MAIN

5' MIN. (TYP.)

18" MIN

Ex. 12" Storm Sewer

Ex. 24" Sanitary Sewer

555 / 550 / 545 / 540 / 535 / 530

548.73 | 548.62 | 548.48 | 548.30 | 548.22 | 548.13 | 548.02 | 547.97 | 547.90 | 547.92 | 547.97

130+00 | 130+50 | 131+00 | 131+50 | 132+00 | 132+50 | 133+00 | 133+50 | 134+00 | 134+50 | 135+00 | 135+50

FINAL DESIGN
FOR BIDDING

BAXTER & WOODMAN Consulting Engineers

CONSULTANTS	REVISED –
	REVISED –
	REVISED –
	REVISED –

CITY OF JOLIET, ILLINOIS
SPRING CREEK PHASE 1 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO.2767-0124

EAST JACKSON STREET STA. 130+00 TO STA. 135+50 PLAN AND PROFILE

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

PROJECT NO: 221587.40

DESIGNED –	RMM
DRAWN –	AAM/JJS
CHECKED –	MJK
DATE –	10/12/2023

TOTAL SHEETS	SHEET NO.
56	32

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FOR CONTINUATION SEE SHEET 21

SEE SHEET 21
FOR DESCRIPTION OF WATER MAIN WORK

RETIRE EXISTING FIRE HYDRANT

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

RETIRE EXISTING 8" WATER MAIN

WATER SERVICE LINE (TYP.)

TREE ROOT PRUNING

109 L.F. OF 12" DI WATER MAIN

127 L.F. OF 12" RJT DI WATER MAIN,
(1) 12" VALVE IN 5' VAULT,
(1) 16" X 12" REDUCER

90 L.F. OF 16" RJT DI WATER MAIN,
(1) 16" VALVE IN 5' VAULT

150 L.F. OF 16" DI WATER MAIN

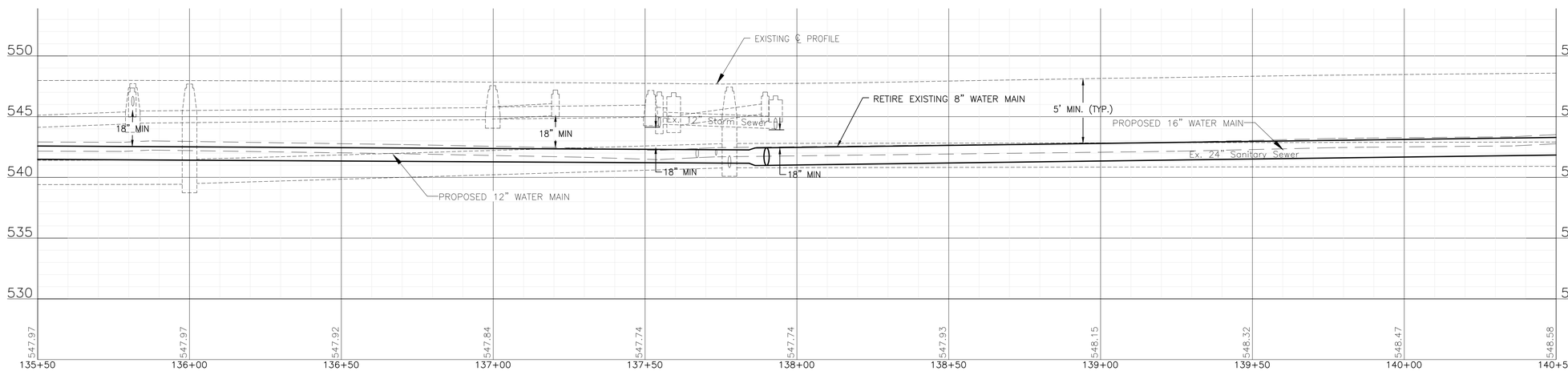
SEE SHEET 21
FOR DESCRIPTION OF WATER MAIN WORK

US 6 / EAST JACKSON STREET

HENDERSON AVENUE

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

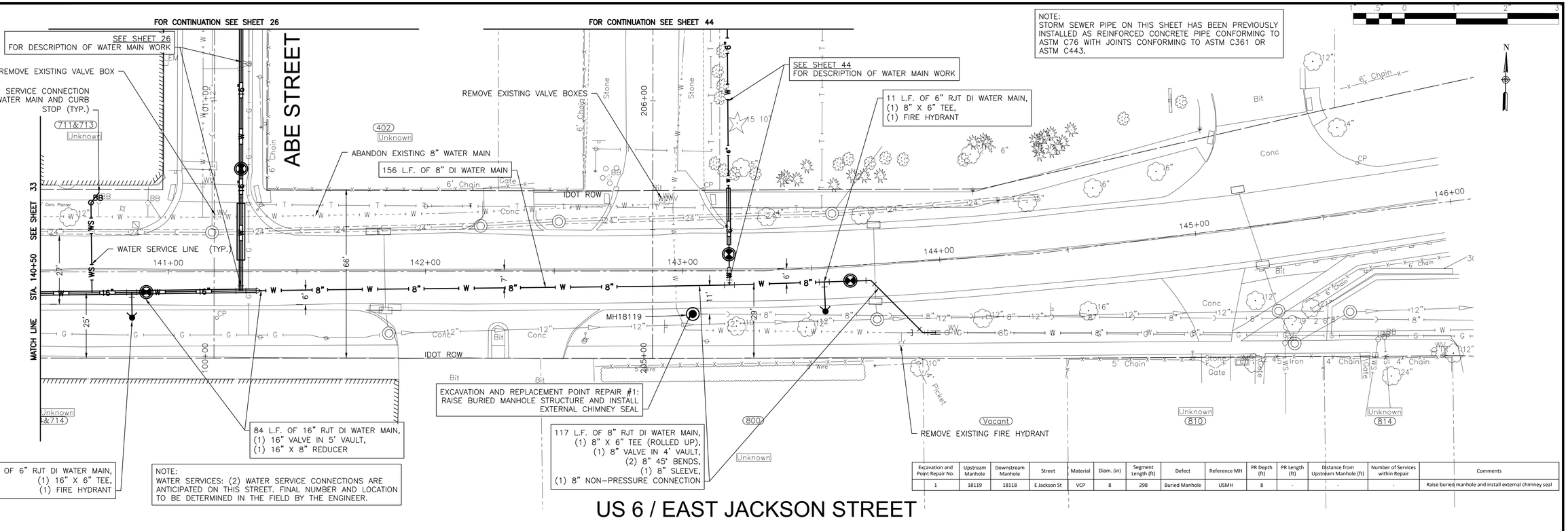
NOTE:
STORM SEWER PIPE ON THIS SHEET HAS BEEN PREVIOUSLY INSTALLED AS REINFORCED CONCRETE PIPE CONFORMING TO ASTM C76 WITH JOINTS CONFORMING TO ASTM C361 OR ASTM C443.



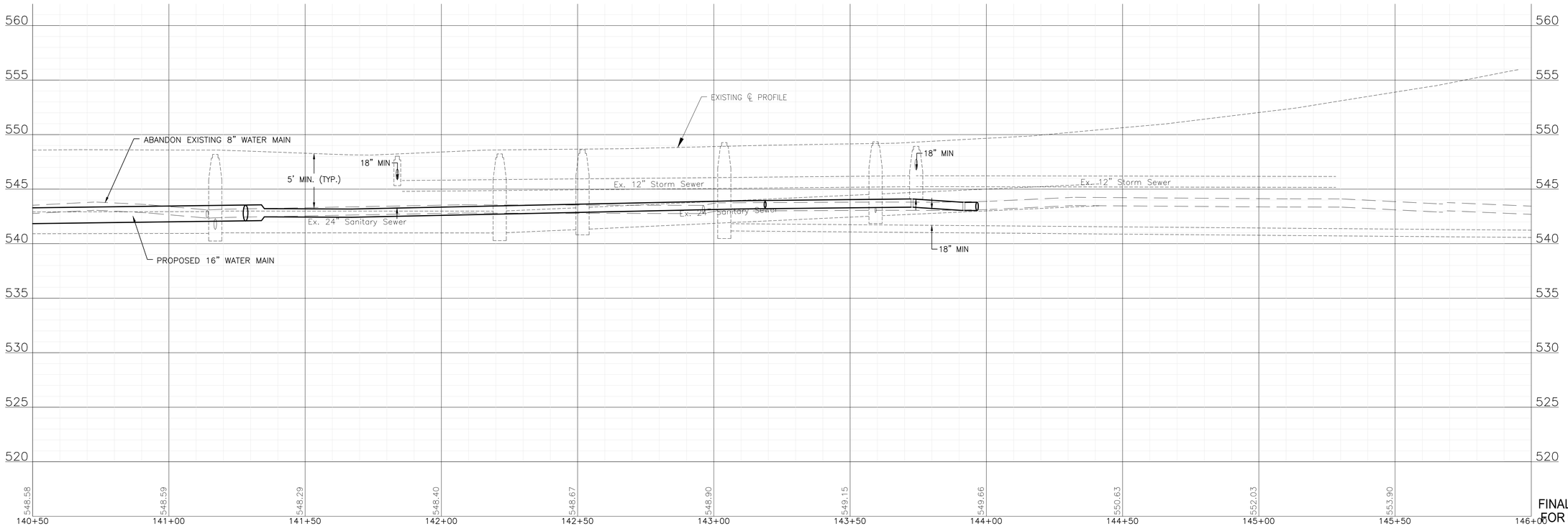
FINAL DESIGN
FOR BIDDING

BAXTER & WOODMAN Consulting Engineers	CONSULTANTS	REVISED –	CITY OF JOLIET, ILLINOIS SPRING CREEK PHASE 1 WATER MAIN IMPROVEMENTS CITY OF JOLIET CONTRACT NO.2767-0124	EAST JACKSON STREET STA. 135+50 TO STA. 140+50 PLAN AND PROFILE	DESIGNED – RMM	TOTAL SHEETS	SHEET NO.
		REVISED –			DRAWN – AAM/JJS		
		REVISED –			CHECKED – MJK	56	33
		REVISED –		SCALE: HORIZ 1"=20' / VERT 1"=5' PROJECT NO: 221587.40	DATE – 10/12/2023		

P:\JOLTC\221587-2024 WATER MAIN SURV\CAD\SPRING CREEK PHASE 1\01_CIVIL 3D\01_SHTS-PLANS\221587-SPRINGCREEK-DESIGN-SHEETS.DWG 135+50.00
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Excavation and Point Repair No.	Upstream Manhole	Downstream Manhole	Street	Material	Diam. (in)	Segment Length (ft)	Defect	Reference MH	PR Depth (ft)	PR Length (ft)	Distance from Upstream Manhole (ft)	Number of Services within Repair	Comments
1	18119	18118	E Jackson St	VCP	8	298	Buried Manhole	USMH	8	-	-	-	Raise buried manhole and install external chimney seal



FINAL DESIGN FOR BIDDING

BAXTER & WOODMAN Consulting Engineers	CONSULTANTS	REVISED –	CITY OF JOLIET, ILLINOIS SPRING CREEK PHASE 1 WATER MAIN IMPROVEMENTS CITY OF JOLIET CONTRACT NO.2767-0124
		REVISED –	
		REVISED –	
		REVISED –	

EAST JACKSON STREET STA. 140+50 TO STA. 146+00 PLAN AND PROFILE

SCALE: HORIZ 1"=20' / VERT 1"=5' | PROJECT NO: 221587.40

		TOTAL SHEETS	SHEET NO.
DESIGNED – RMM			
DRAWN – AAM/JJS			
CHECKED – MJK		56	34
DATE – 10/12/2023			

P:\JOLITC\221587-2024 WATER MAIN SURV\CAD\SPRING CREEK PHASE 1\01_CIVIL 3D\01_SHTS-PLANS\221587-SPRINGCREEK-DESIGN-SHEETS.DWG 140+50.00
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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.

REMOVE EXISTING FIRE HYDRANT

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

75 L.F. OF 8" RJT WATER MAIN IN 24" JACKED CASING PIPE

PROPOSED JACKING PIT (RECOMMENDED LOCATION)

98 L.F. OF 8" RJT WATER MAIN,
(2) 8" 45° VERTICAL BENDS,
(3) 8" 45° BENDS,
(1) 8" VALVE IN 4' VAULT,
(1) 6" SLEEVE,
(1) 8" X 6" REDUCER,
(1) 6" NON-PRESSURE CONNECTION

PROPOSED JACKING PIT (RECOMMENDED LOCATION)

115 L.F. OF 8" RJT WATER MAIN,
(2) 8" 45° VERTICAL BENDS,
(1) 8" VALVE IN BOX

ABANDON EXISTING VALVE BOX

SEE SHEET 12
FOR DESCRIPTION OF STORM SEWER WORK

SEE SHEET 12
FOR DESCRIPTION OF WATER MAIN WORK

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

WATER SERVICE LINE (TYP.)

79 L.F. OF 8" WATER MAIN

75 L.F. OF 8" RJT WATER MAIN,
(1) 8" VALVE IN 4' VAULT

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.

SPRING CREEK

SPRING CREEK

GARNSEY AVENUE

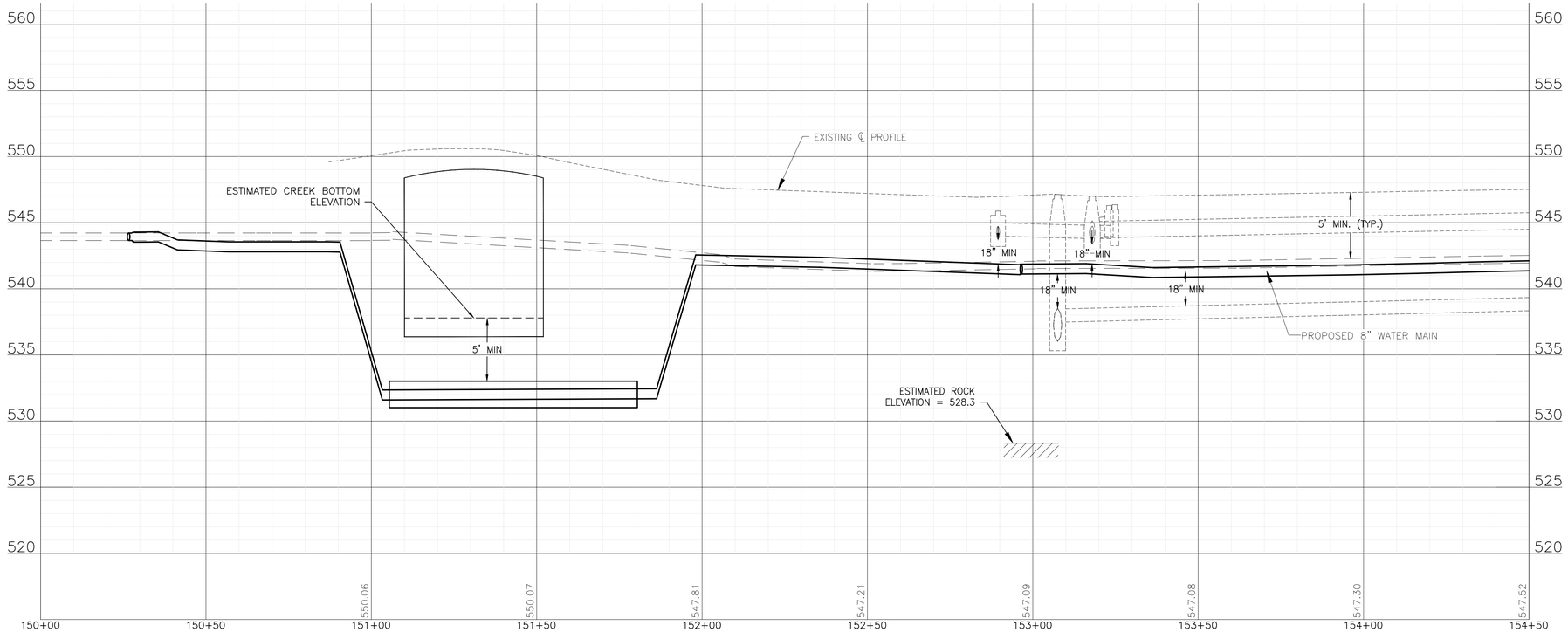
OHIO STREET

OHIO STREET

FOR CONTINUATION SEE SHEET 12

FOR CONTINUATION SEE SHEET 12

MATCH LINE STA. 154+50 SEE SHEET 36



FINAL DESIGN
FOR BIDDING

BAXTER & WOODMAN Consulting Engineers	CONSULTANTS	REVISED –	CITY OF JOLIET, ILLINOIS SPRING CREEK PHASE 1 WATER MAIN IMPROVEMENTS CITY OF JOLIET CONTRACT NO.2767-0124
		REVISED –	
		REVISED –	
		REVISED –	

OHIO STREET STA. 150+00 TO STA. 154+50 PLAN AND PROFILE

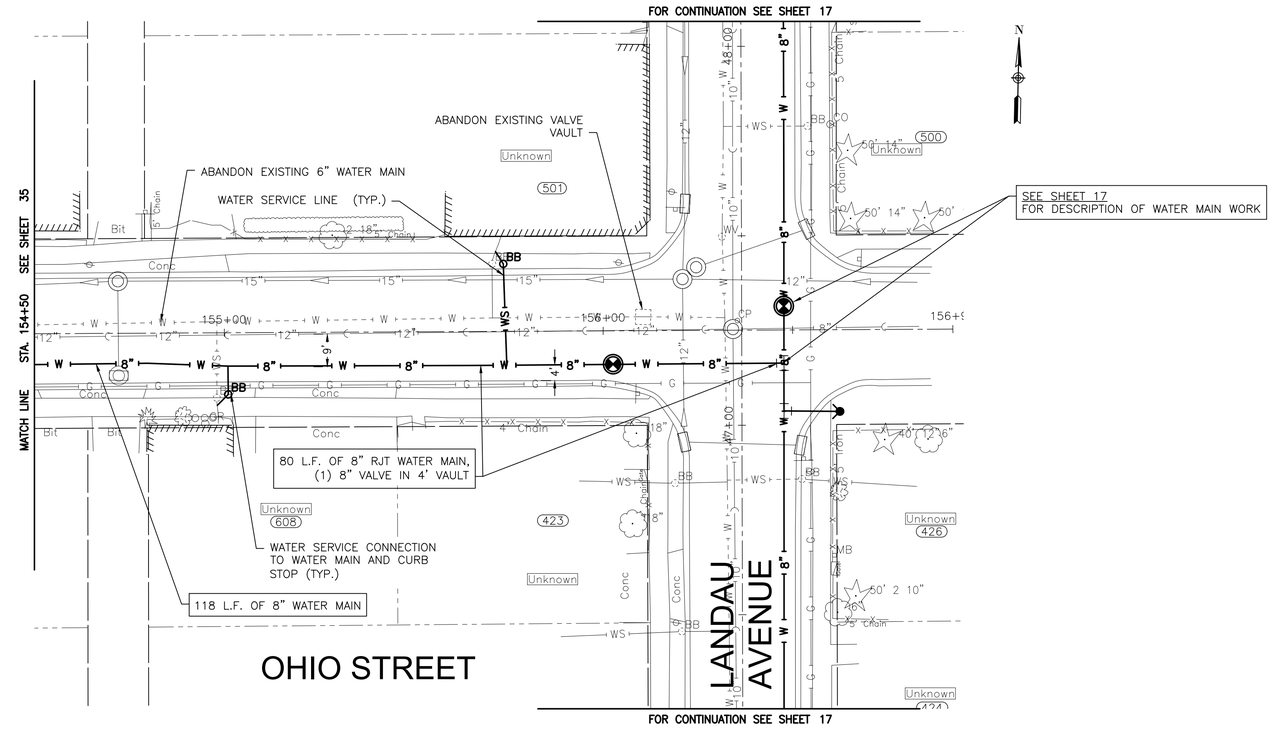
SCALE: HORIZ 1"=20' / VERT 1"=5" | PROJECT NO: 221587.40

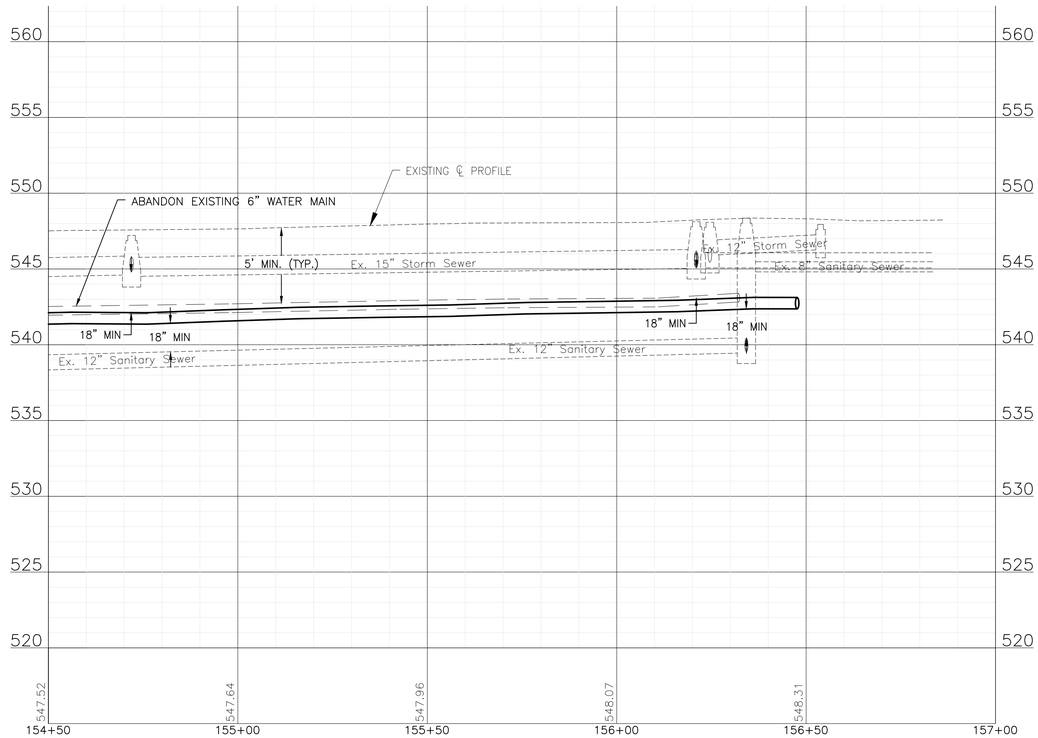
		TOTAL SHEETS	SHEET NO.
DESIGNED – RMM			
DRAWN – AAM/JJS		56	35
CHECKED – MJK			
DATE – 10/12/2023			

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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:
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

BAXTER & WOODMAN Consulting Engineers	CONSULTANTS	REVISED –	CITY OF JOLIET, ILLINOIS SPRING CREEK PHASE 1 WATER MAIN IMPROVEMENTS CITY OF JOLIET CONTRACT NO.2767-0124
		REVISED –	
		REVISED –	
		REVISED –	

OHIO STREET STA. 154+50 TO STA. 157+00 PLAN AND PROFILE

SCALE: HORIZ 1"=20' / VERT 1"=5' | PROJECT NO: 221587.40

		TOTAL SHEETS	SHEET NO.
DESIGNED – RMM			
DRAWN – AAM/JJS		56	36
CHECKED – MJK			
DATE – 10/12/2023			

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

FOR CONTINUATION SEE SHEET 14

SEE SHEET 14
FOR DESCRIPTION OF WATER MAIN WORK

80 L.F. OF 8" RJT WATER MAIN,
(1) 8" TEE ROLLED DOWN,
(2) 8" 45° BENDS,
(1) 8" VALVE IN 4' VAULT

172 L.F. OF 8" WATER MAIN

106 L.F. OF 8" RJT WATER MAIN,
(1) 8" NON-PRESSURE CONNECTION,
(1) 8" SLEEVE,
(3) 8" 45° BENDS,
(1) 8" VALVE IN 4' VAULT,
(1) 8" TEE

43 L.F. OF 16" CASING PIPE
(TUNNELING UNDER SEWER),
(3) 8" 45° VERTICAL BENDS

SEE SHEET 14
FOR DESCRIPTION OF WATER MAIN WORK

ABANDON EXISTING VALVE BOX

ABANDON EXISTING 8" WATER MAIN

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.

145 L.F. OF 8" RJT WATER MAIN,
32 L.F. OF 16" CASING PIPE
(TUNNELING UNDER SEWER),
(4) 8" 45° VERTICAL BENDS,
(1) 8" TEE,
(1) 8" TEE (ROLLED UP),
(1) 8" VALVE IN 4' VAULT

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

WATER SERVICE LINE (TYP.)

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

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 19

SEE SHEET 19
FOR DESCRIPTION OF WATER MAIN WORK

REMOVE AND REPLACE 70 L.F.
OF 10" STORM SEWER WITH
WATER MAIN QUALITY PIPE

REMOVE AND REPLACE (2) 2' INLETS, TYPE A

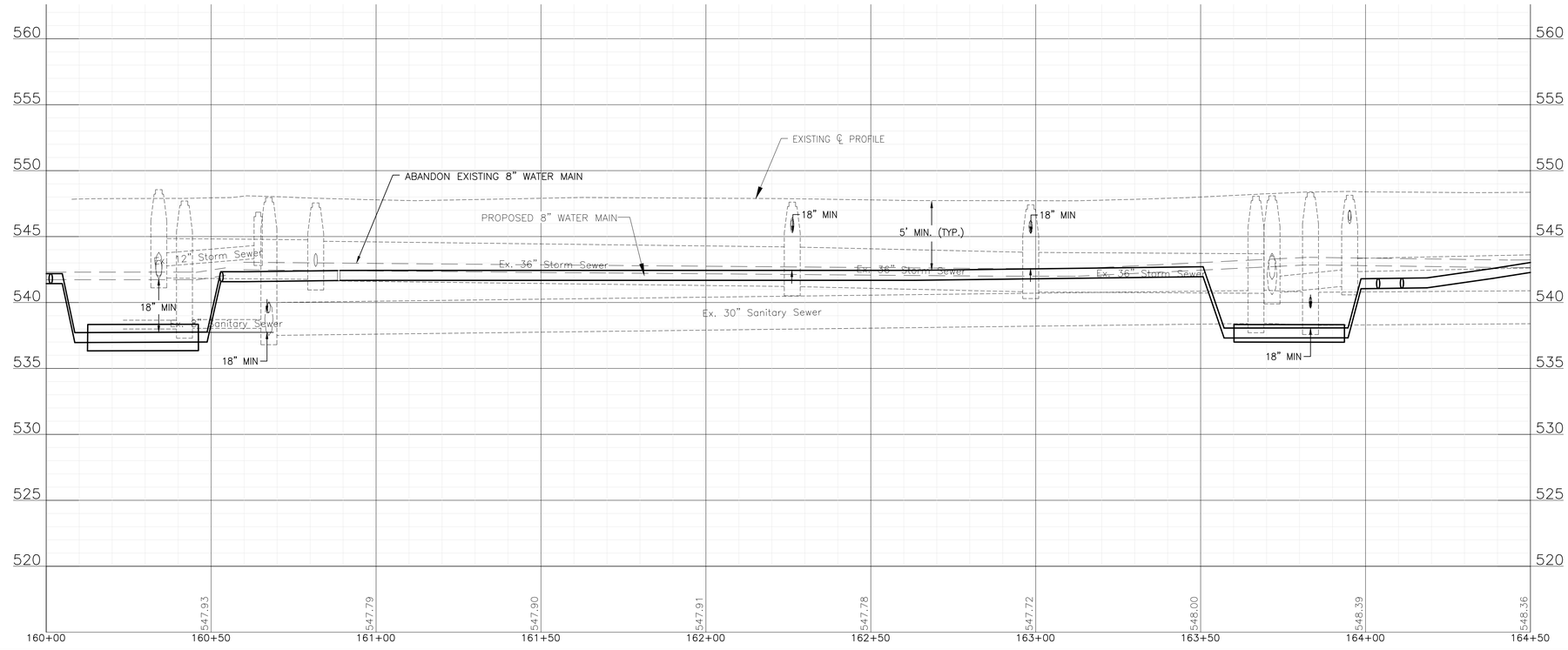
SEE SHEET 19
FOR DESCRIPTION OF WATER MAIN WORK

GARNSEY AVENUE

LANDAU AVENUE

COLUMBIA STREET

SEE SHEET 38
STA. 164+50
MATCH LINE



FINAL DESIGN
FOR BIDDING

BAXTER & WOODMAN Consulting Engineers	CONSULTANTS	REVISED –	CITY OF JOLIET, ILLINOIS SPRING CREEK PHASE 1 WATER MAIN IMPROVEMENTS CITY OF JOLIET CONTRACT NO.2767-0124
		REVISED –	
		REVISED –	COLUMBIA STREET STA. 160+00 TO STA. 164+50 PLAN AND PROFILE
		REVISED –	SCALE: HORIZ 1"=20' / VERT 1"=5' PROJECT NO: 221587.40

DESIGNED – RMM
DRAWN – AAM/JJS
CHECKED – MJK
DATE – 10/12/2023

TOTAL SHEETS: 56
SHEET NO.: 37

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FOR CONTINUATION SEE SHEET 24

SEE SHEET 24
FOR DESCRIPTION OF WATER MAIN WORK

SEE SHEET 37
FOR DESCRIPTION OF STORM SEWER WORK

9 L.F. OF 8" RJT WATER MAIN

288 L.F. OF 8" WATER MAIN

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

WATER SERVICE LINE (TYP.)

ABANDON EXISTING 8" WATER MAIN

ABANDON EXISTING VALVE VAULT

104 L.F. OF 16" RJT DI WATER MAIN,
(1) 16" X 8" REDUCER,
(1) 16" VALVE IN 5' VAULT

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.

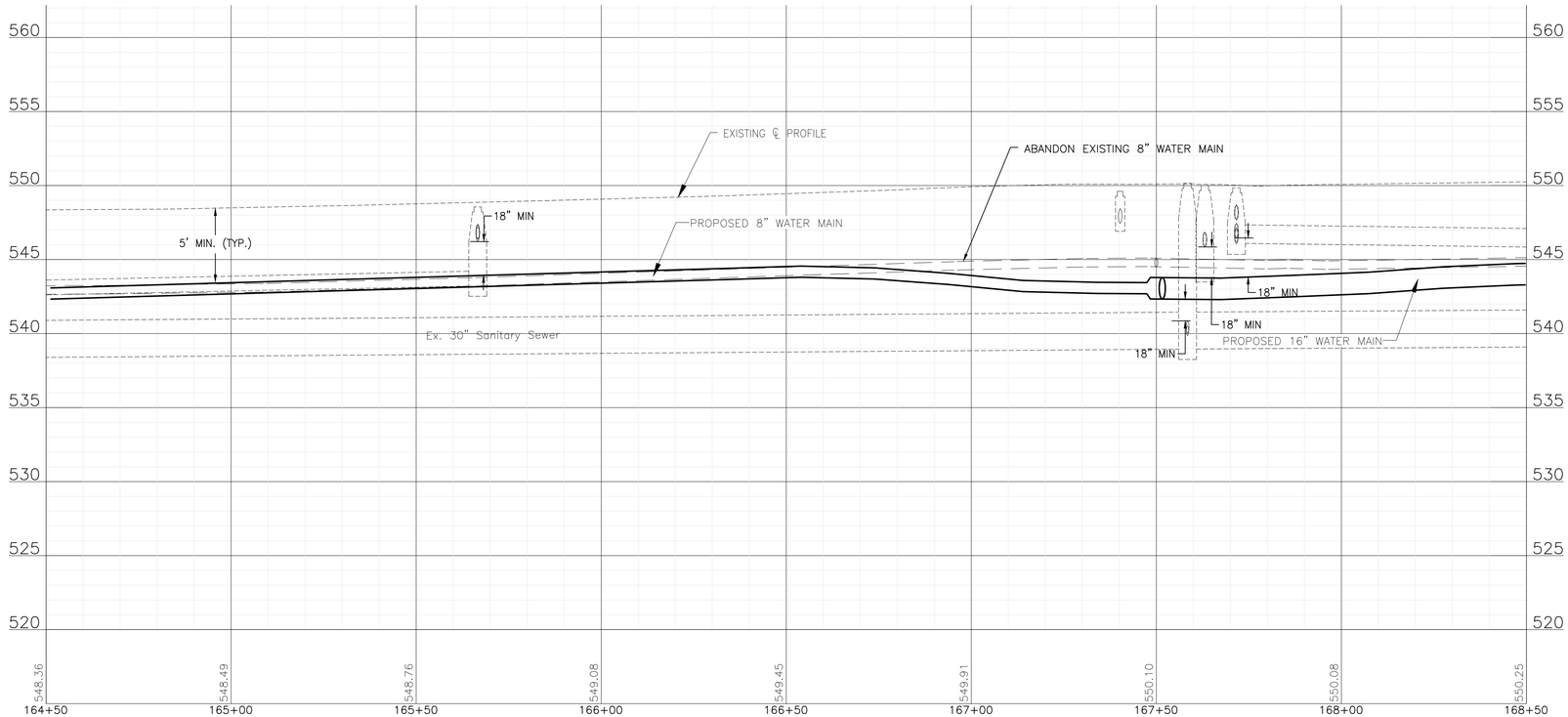
NOTE:
WATER SERVICES: (4) WATER SERVICE CONNECTIONS ARE ANTICIPATED ON THIS STREET. FINAL NUMBER AND LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

COLUMBIA STREET

HENDERSON AVENUE

SEE SHEET 37 — STA. 164+50 — MATCH LINE

SEE SHEET 39 — STA. 168+50 — MATCH LINE



FINAL DESIGN
FOR BIDDING

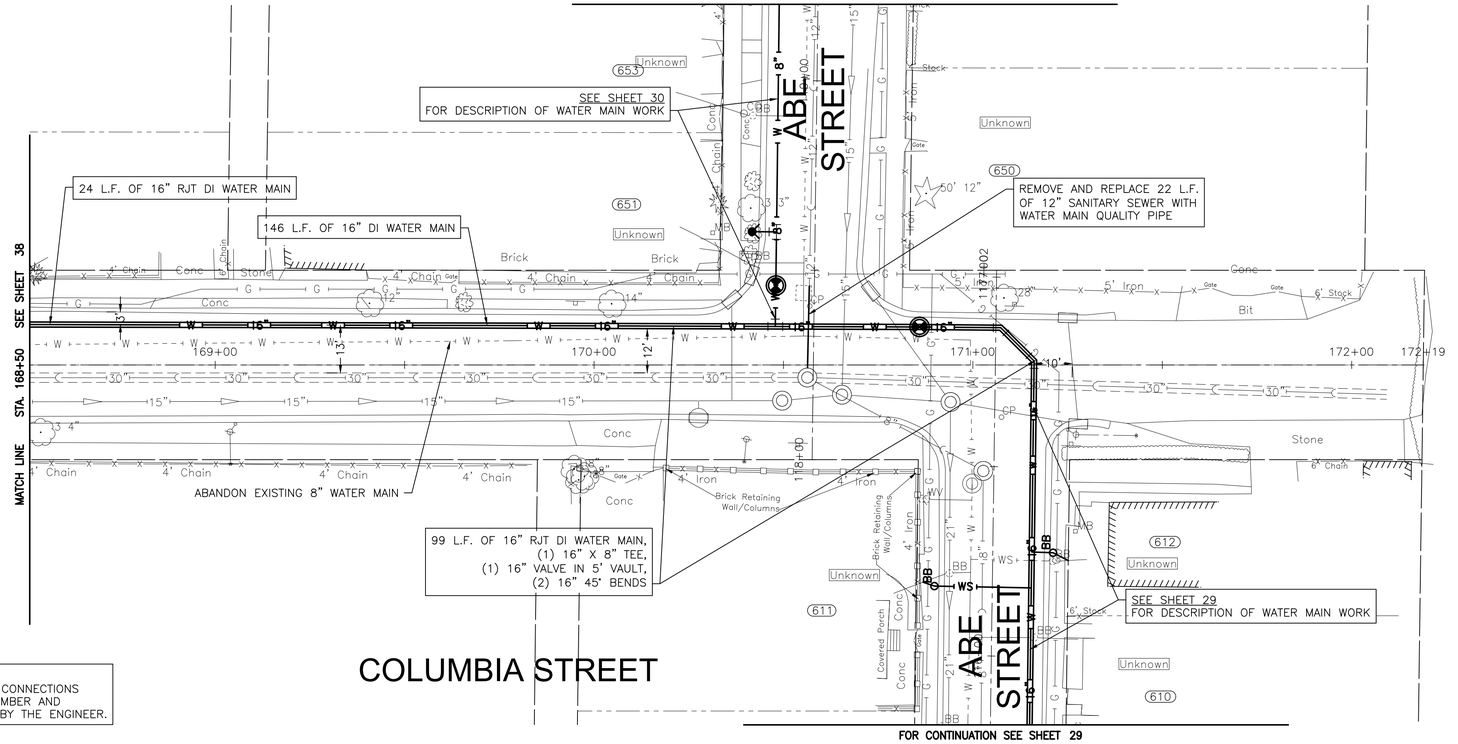
BAXTER & WOODMAN Consulting Engineers	CONSULTANTS	REVISED –	CITY OF JOLIET, ILLINOIS SPRING CREEK PHASE 1 WATER MAIN IMPROVEMENTS CITY OF JOLIET CONTRACT NO.2767-0124
		REVISED –	
		REVISED –	
		REVISED –	

COLUMBIA STREET STA. 164+50 TO STA. 168+50 PLAN AND PROFILE

SCALE: HORIZ 1"=20' / VERT 1"=5' | PROJECT NO: 221587.40

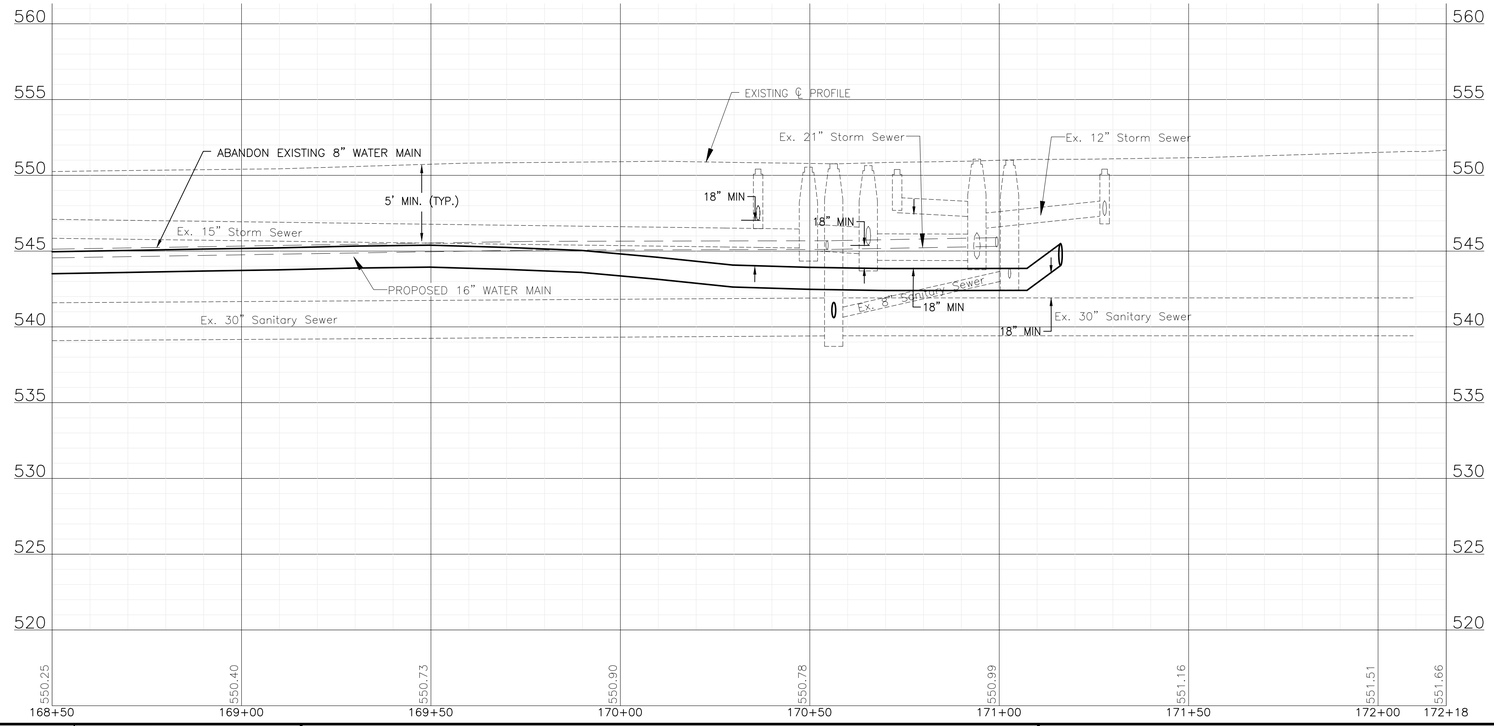
DESIGNED – RMM	TOTAL SHEETS	SHEET NO.
DRAWN – AAM/JJS		
CHECKED – MJK	56	38
DATE – 10/12/2023		

P:\JOLITC\221587-2024 WATER MAIN SURV\CAD\SPRING CREEK PHASE 1\01_CIVIL 3D\01_SHTS-PLANS\221587-SPRINGCREEK-DESIGN-SHEETS.DWG 164+50.00
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NOTE:
WATER SERVICES: ZERO (0) WATER SERVICE CONNECTIONS ARE ANTICIPATED ON THIS STREET. 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

BAXTER & WOODMAN Consulting Engineers	CONSULTANTS / REVISED –	CITY OF JOLIET, ILLINOIS SPRING CREEK PHASE 1 WATER MAIN IMPROVEMENTS CITY OF JOLIET CONTRACT NO.2767-0124	COLUMBIA STREET STA. 168+50 TO STA. 172+50 PLAN AND PROFILE SCALE: HORIZ 1"=20' / VERT 1"=5' PROJECT NO: 221587.40	DESIGNED – RMM DRAWN – AAM/JJS CHECKED – MJK DATE – 10/12/2023	TOTAL SHEETS: 56 SHEET NO.: 39

P:\JOLIT\221587-2024 WATER MAIN SURV\CAD\SPRING CREEK PHASE 1\01_CIVIL 30\01_SHTS-PLANS\221587-SPRINGCREEK-DESIGN-SHEETS.DWG
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FOR CONTINUATION SEE SHEET 20

FOR CONTINUATION SEE SHEET 25

NOTE:
WATER SERVICES: (1) 4" WATER SERVICE CONNECTION IS ANTICIPATED ON THIS STREET. 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.

LANDAU AVENUE

HENDERSON AVENUE

15 L.F. OF 4" RJT WATER MAIN,
(1) 8" X 4" TEE,
(1) 4" VALVE IN BOX,
(2) 4" 45° BENDS,
(1) 4" TEMPORARY CAP,
(1) 4" SLEEVE,
(1) 4" NON-PRESSURE CONNECTION

ABANDON EXISTING VALVE VAULT

41 L.F. OF 8" RJT WATER MAIN,
(1) 8" VALVE IN BOX,
(2) 8" 45° BENDS

283 L.F. OF 8" WATER MAIN

61 L.F. OF 8" RJT WATER MAIN,
(2) 8" 45° BENDS,
(1) 8" VALVE IN 4' VAULT,
22 L.F. OF 16" CASING PIPE (OPEN CUT)

ABANDON EXISTING VALVE VAULT

SEE SHEET 20
FOR DESCRIPTION OF WATER MAIN WORK

ABANDON EXISTING 6" WATER MAIN

REMOVE EXISTING FIRE HYDRANT

INSTALL TEMPORARY HYDRANT NORTH OF TEE AND VALVE BOX. AFTER CHLORINATION AND TESTING, CLOSE EXISTING SERVICE VALVE AND VALVES ON LANDAU AND HENDERSON, THEN REMOVE TEMPORARY HYDRANT TO MAKE NON-PRESSURE CONNECTION

ABANDON EXISTING VALVE VAULT

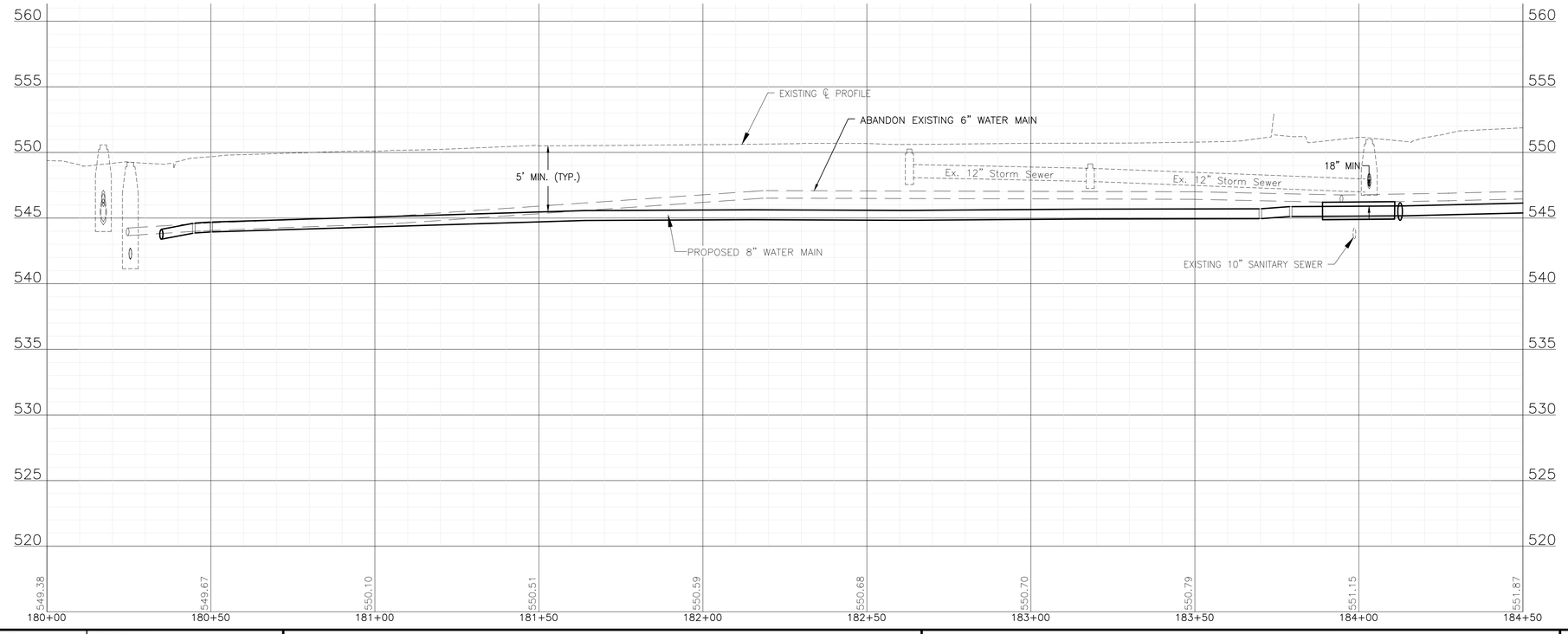
SEE SHEET 25
FOR DESCRIPTION OF WATER MAIN WORK

37 L.F. OF 8" WATER MAIN

MATCH LINE STA. 184+50 SEE SHEET 41

FOR CONTINUATION SEE SHEET 19

FOR CONTINUATION SEE SHEET 24



FINAL DESIGN
FOR BIDDING

BAXTER & WOODMAN Consulting Engineers

CONSULTANTS	REVISED –
	REVISED –
	REVISED –
	REVISED –

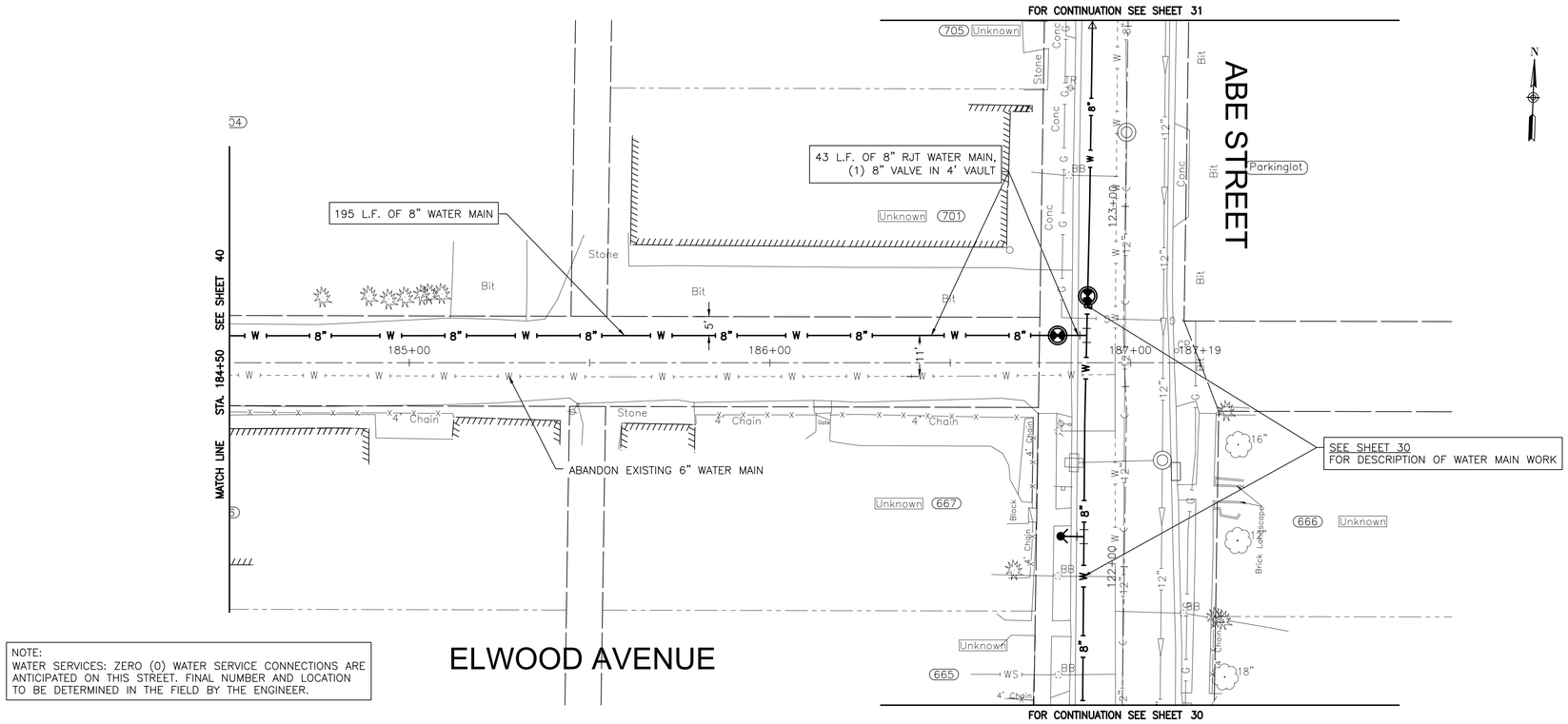
CITY OF JOLIET, ILLINOIS
SPRING CREEK PHASE 1 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO.2767-0124

ELWOOD AVENUE STA. 180+00 TO STA. 184+50 PLAN AND PROFILE

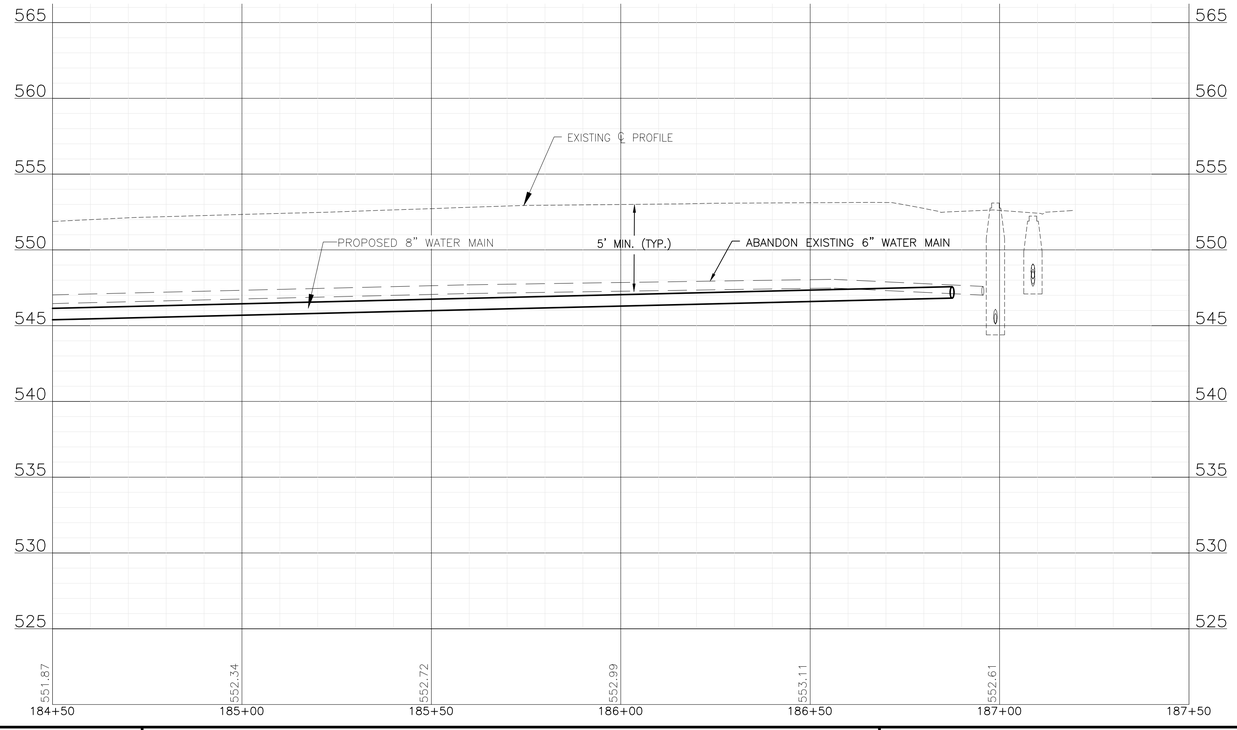
SCALE: HORIZ 1"=20' / VERT 1"=5'
PROJECT NO: 221587.40

		TOTAL SHEETS	SHEET NO.
DESIGNED – RMM			
DRAWN – AAM/JJS		56	40
CHECKED – MJK			
DATE – 10/12/2023			

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NOTE:
WATER SERVICES: ZERO (0) 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

BAXTER & WOODMAN Consulting Engineers	CONSULTANTS	REVISED –	CITY OF JOLIET, ILLINOIS SPRING CREEK PHASE 1 WATER MAIN IMPROVEMENTS CITY OF JOLIET CONTRACT NO.2767-0124
		REVISED –	
		REVISED –	
		REVISED –	

ELWOOD AVENUE STA. 184+50 TO STA. 187+50 PLAN AND PROFILE

SCALE: HORIZ 1"=20' / VERT 1"=5' | PROJECT NO: 221587.40

		TOTAL SHEETS	SHEET NO.
DESIGNED – RMM			
DRAWN – AAM/JJS		56	41
CHECKED – MJK			
DATE – 10/12/2023			

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WARD AVENUE

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

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

196 L.F. OF 8" WATER MAIN

ABANDON EXISTING 6" WATER MAIN

SEE SHEET 15
FOR DESCRIPTION OF WATER MAIN WORK

MATCH LINE STA. 195+00 SEE SHEET 43

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.

CREED STREET

GARNSEY AVENUE

Vacant
Unknown

Unknown
723

650
Unknown

Unknown
718

Wood Porch

Brick Column

Porch

Conc

4' Chain

Bit

Conc

4' Stock

4' Steel

190+00
191+00
192+00
193+00
194+00
195+00

EXISTING ℄ PROFILE

ABANDON EXISTING 6" WATER MAIN

PROPOSED 8" WATER MAIN

5' MIN. (TYP.)

18" MIN

18" MIN

Ex. 36" Storm Sewer

Ex. 30" Storm Sewer

560
555
550
545
540
535
530
525
520

548.59
548.59
548.77
549.05
549.39
549.10
549.11
549.14
549.22
549.46

FINAL DESIGN
FOR BIDDING

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		REVISED –	
		REVISED –	
		REVISED –	

WARD AVENUE STA. 190+00 TO STA. 195+00 PLAN AND PROFILE

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

PROJECT NO: 221587.40

		TOTAL SHEETS	SHEET NO.
DESIGNED – RMM			
DRAWN – AAM/JJS		56	42
CHECKED – MJK			
DATE – 10/12/2023			

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WARD AVENUE

46 L.F. OF 8" WATER MAIN

70 L.F. OF 8" RJT WATER MAIN,
(1) 8" TEE,
(1) 8" VALVE IN 4' VAULT

223 L.F. OF 8" WATER MAIN

88 L.F. OF 8" RJT WATER MAIN,
(1) 8" VALVE IN 4' VAULT

ABANDON EXISTING 6" WATER MAIN

ABANDON EXISTING VALVE BOX

SEE SHEET 20
FOR DESCRIPTION OF WATER MAIN WORK

SEE SHEET 25
FOR DESCRIPTION OF WATER MAIN WORK

NOTE:
WATER SERVICES: ZERO (0) WATER SERVICE CONNECTIONS ARE ANTICIPATED ON THIS STREET. 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.

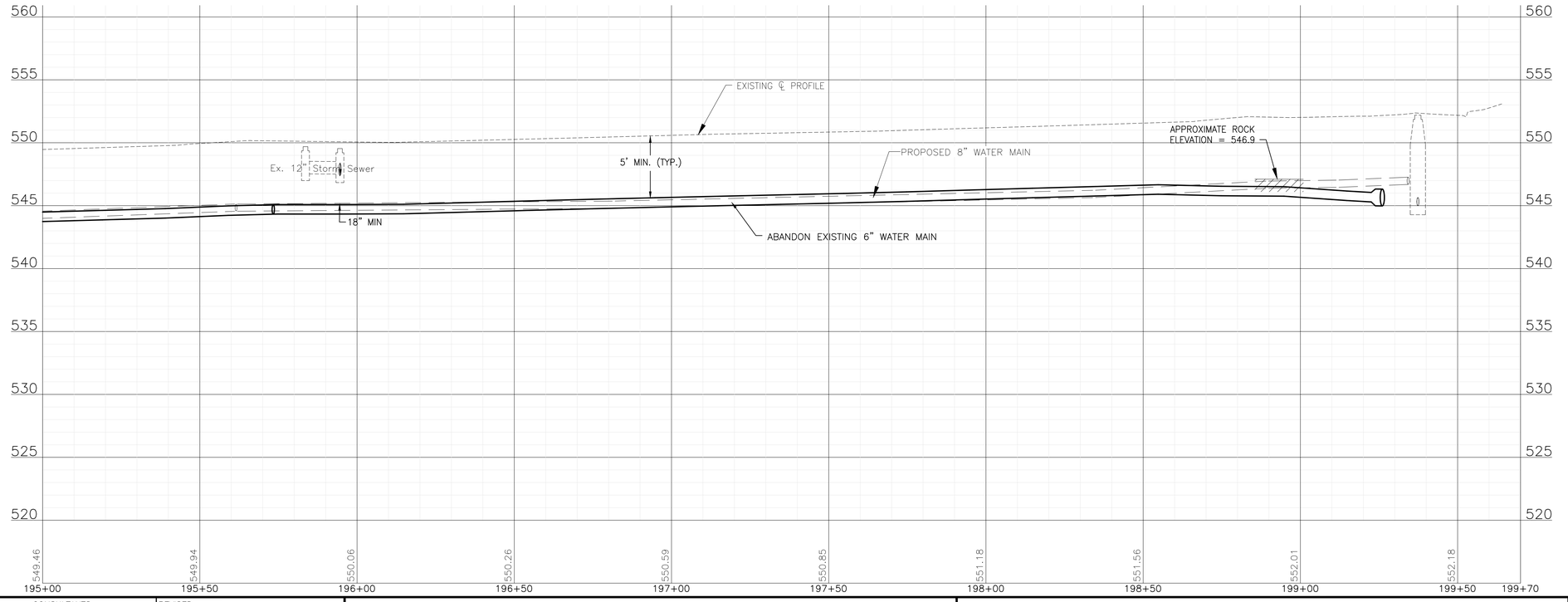
LANDAU AVENUE

HENDERSON AVENUE

MATCH LINE STA. 195+00 SEE SHEET 42

FOR CONTINUATION SEE SHEET 20

FOR CONTINUATION SEE SHEET 25



FINAL DESIGN
FOR BIDDING

CONSULTANTS	REVISED –
	REVISED –
	REVISED –
	REVISED –

BAXTER & WOODMAN Consulting Engineers

CITY OF JOLIET, ILLINOIS
SPRING CREEK PHASE 1 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO.2767-0124

WARD AVENUE STA. 195+00 TO STA. 200+00 PLAN AND PROFILE

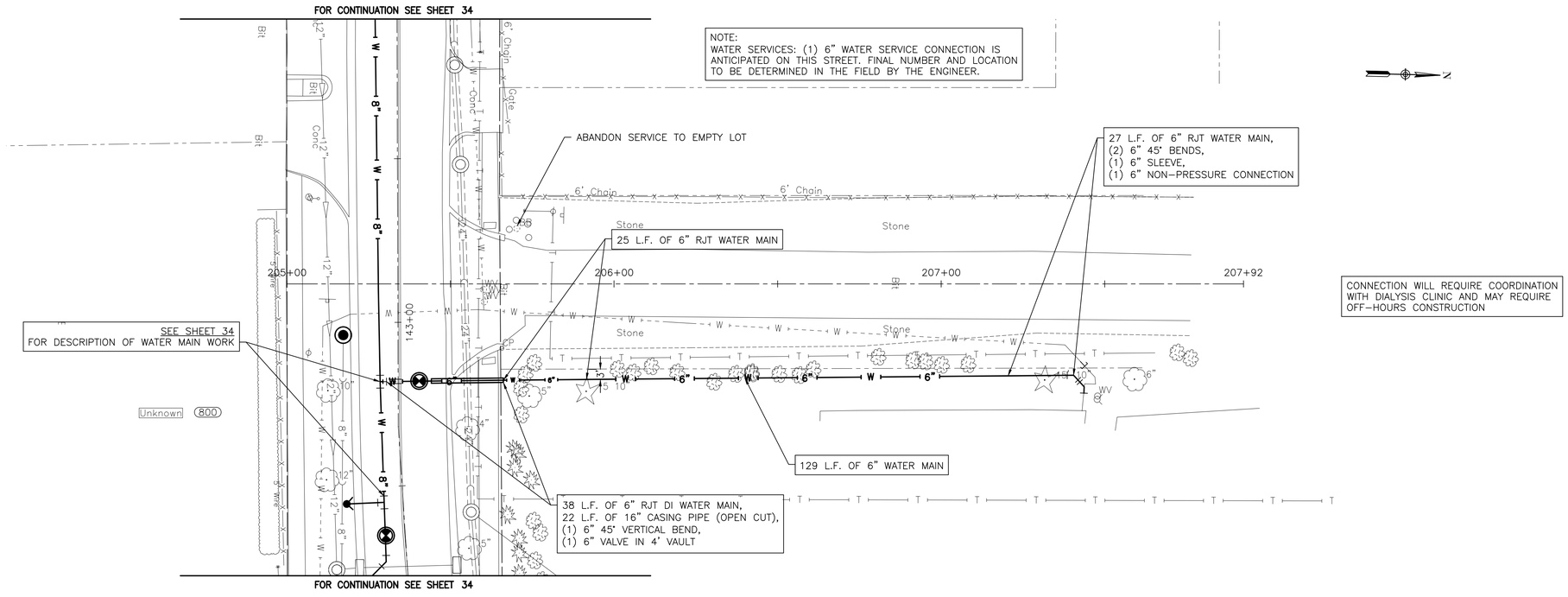
SCALE: HORIZ 1"=20' / VERT 1"=5'
PROJECT NO: 221587.40

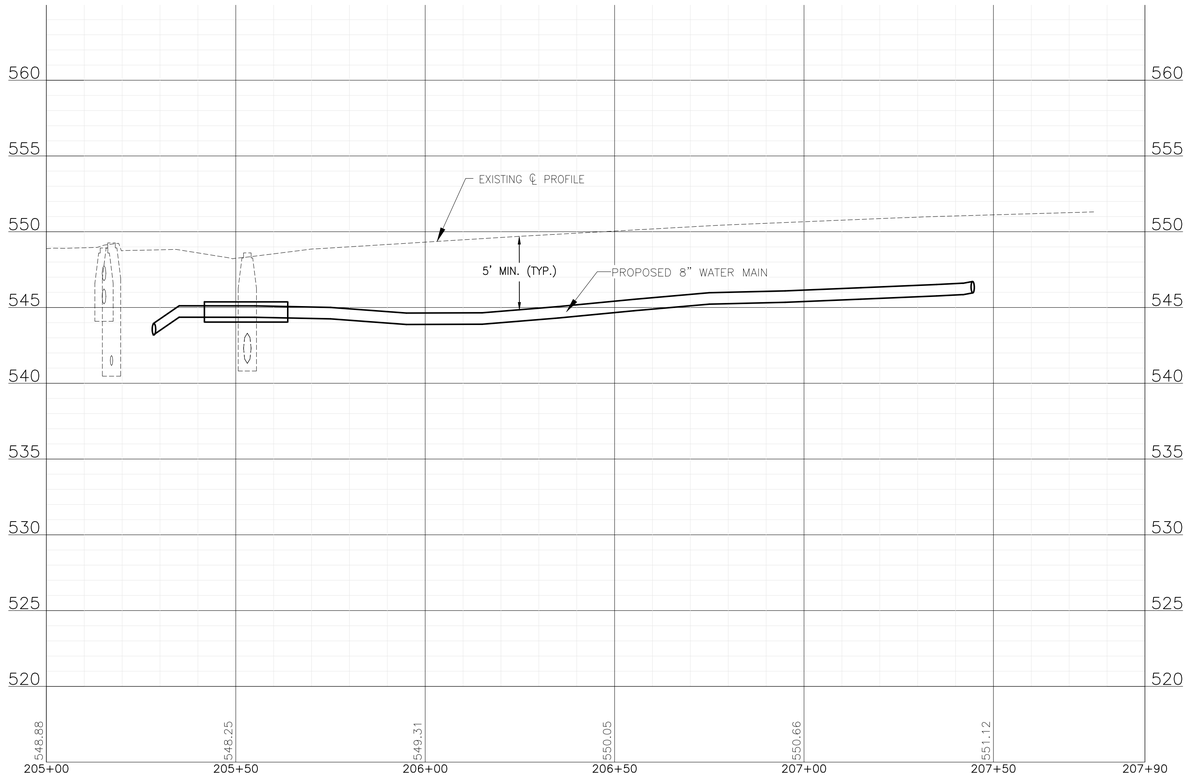
DESIGNED – RMM	
DRAWN – AAM/JJS	
CHECKED – MJK	
DATE – 10/12/2023	

TOTAL SHEETS	SHEET NO.
56	43

P:\JOLIT\221587-2024 WATER MAIN SURV\CAD\SPRING CREEK PHASE 1\01_CIVIL 3D\01_SHTS-PLANS\221587-SPRINGCREEK-DESIGN-SHEETS.DWG
Plotted: 10/10/2023 9:14 AM By: AMAKKAOUI
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EAST JACKSON STREET





FINAL DESIGN
FOR BIDDING

BAXTER & WOODMAN Consulting Engineers

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	REVISED –
	REVISED –
	REVISED –

CITY OF JOLIET, ILLINOIS
SPRING CREEK PHASE 1 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO.2767-0124

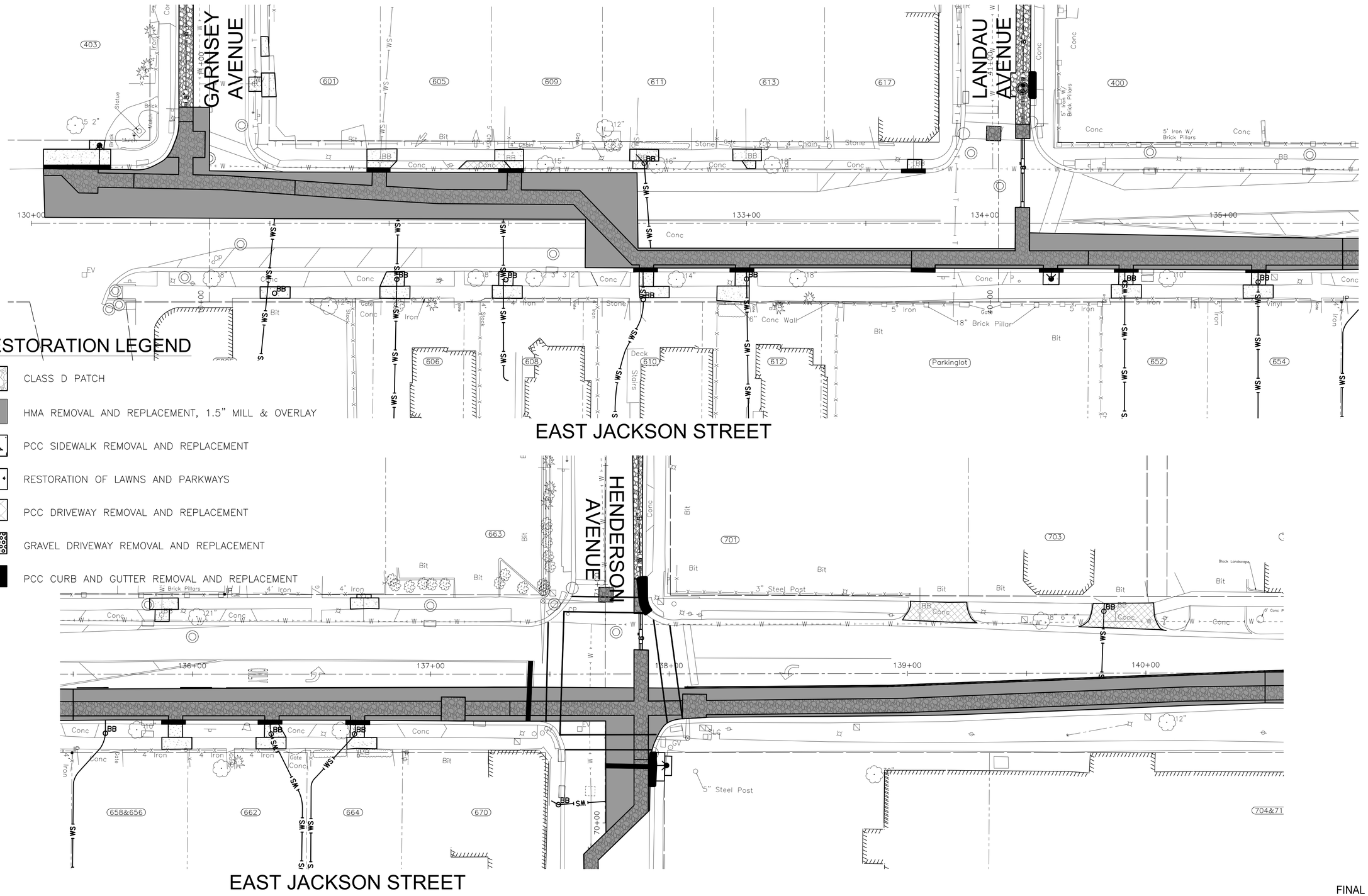
CN RAILWAY STA. 205+00 TO STA 207+92 PLAN AND PROFILE

SCALE: HORIZ 1"=20' / VERT 1"=5'
PROJECT NO: 221587.40

DESIGNED – RMM	
DRAWN – AAM/JJS	
CHECKED – MJK	
DATE – 10/12/2023	

TOTAL SHEETS	SHEET NO.
56	44

P:\JOLTC\221587-2024 WATER MAIN SURV\CAD\SPRING CREEK PHASE 1\01_CIVIL 3D\01_SHTS-PLANS\221587-SPRINGCREEK-DESIGN-SHEETS.DWG 205+00.00
Plotted: 10/10/2023 9:14 AM By: AMAKKAOUI
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RESTORATION LEGEND

- CLASS D PATCH
- HMA REMOVAL AND REPLACEMENT, 1.5" MILL & OVERLAY
- PCC SIDEWALK REMOVAL AND REPLACEMENT
- RESTORATION OF LAWNS AND PARKWAYS
- PCC DRIVEWAY REMOVAL AND REPLACEMENT
- GRAVEL DRIVEWAY REMOVAL AND REPLACEMENT
- PCC CURB AND GUTTER REMOVAL AND REPLACEMENT

FINAL DESIGN
FOR BIDDING

BAXTER & WOODMAN Consulting Engineers

CONSULTANTS	REVISED –
	REVISED –
	REVISED –
	REVISED –

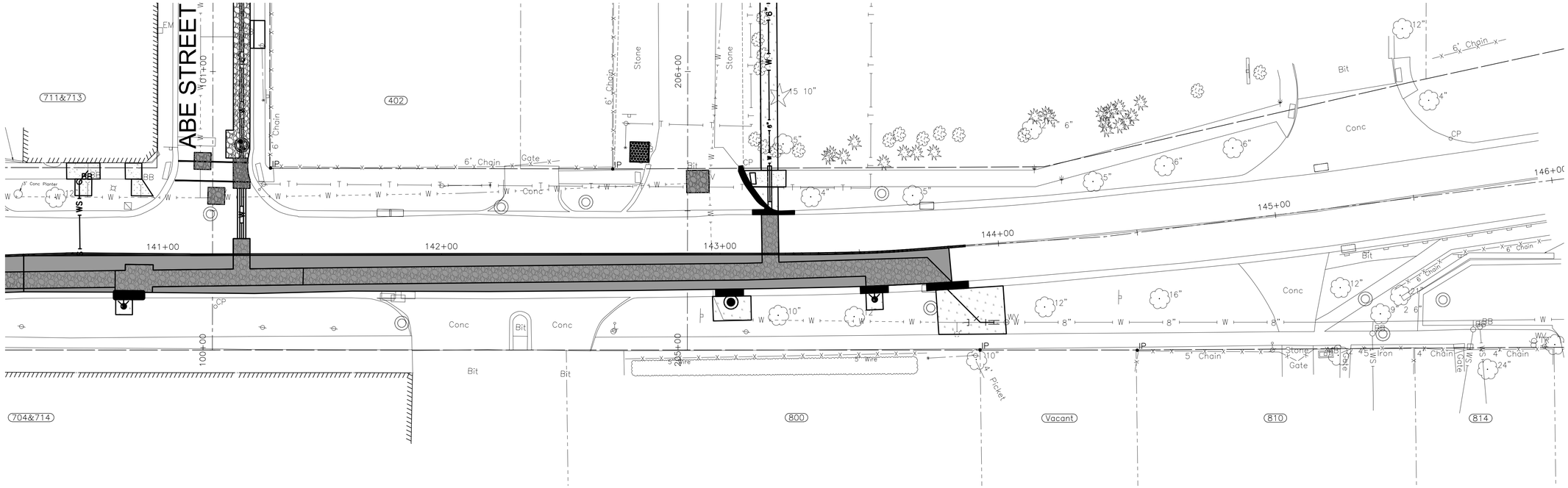
CITY OF JOLIET, ILLINOIS
SPRING CREEK PHASE 1 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO.2767-0124

EAST JACKSON STREET STA. 130+00 TO STA. 140+50 RESTORATION PLAN

SCALE: 1" = 20' PROJECT NO: 221587.40

		TOTAL SHEETS	SHEET NO.
DESIGNED – RMM			
DRAWN – AAM/JJS			
CHECKED – MJK		56	45
DATE – 10/12/2023			

P:\JOLTC\221587-2024 WATER MAIN SURV\CAD\SPRING CREEK PHASE 1\01_CIVIL 3D\01_SHTS-PLANS\221587-SPRINGCREEK-RESTORATION-SHEETS.DWG RESTORATION PLAN
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US 6 / EAST JACKSON STREET

RESTORATION LEGEND

- CLASS D PATCH
- HMA REMOVAL AND REPLACEMENT, 1.5" MILL & OVERLAY
- PCC SIDEWALK REMOVAL AND REPLACEMENT
- RESTORATION OF LAWNS AND PARKWAYS
- PCC DRIVEWAY REMOVAL AND REPLACEMENT
- GRAVEL DRIVEWAY REMOVAL AND REPLACEMENT
- PCC CURB AND GUTTER REMOVAL AND REPLACEMENT

FINAL DESIGN
FOR BIDDING

BAXTER & WOODMAN Consulting Engineers

CONSULTANTS	REVISED –
	REVISED –
	REVISED –
	REVISED –

CITY OF JOLIET, ILLINOIS
SPRING CREEK PHASE 1 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO.2767-0124

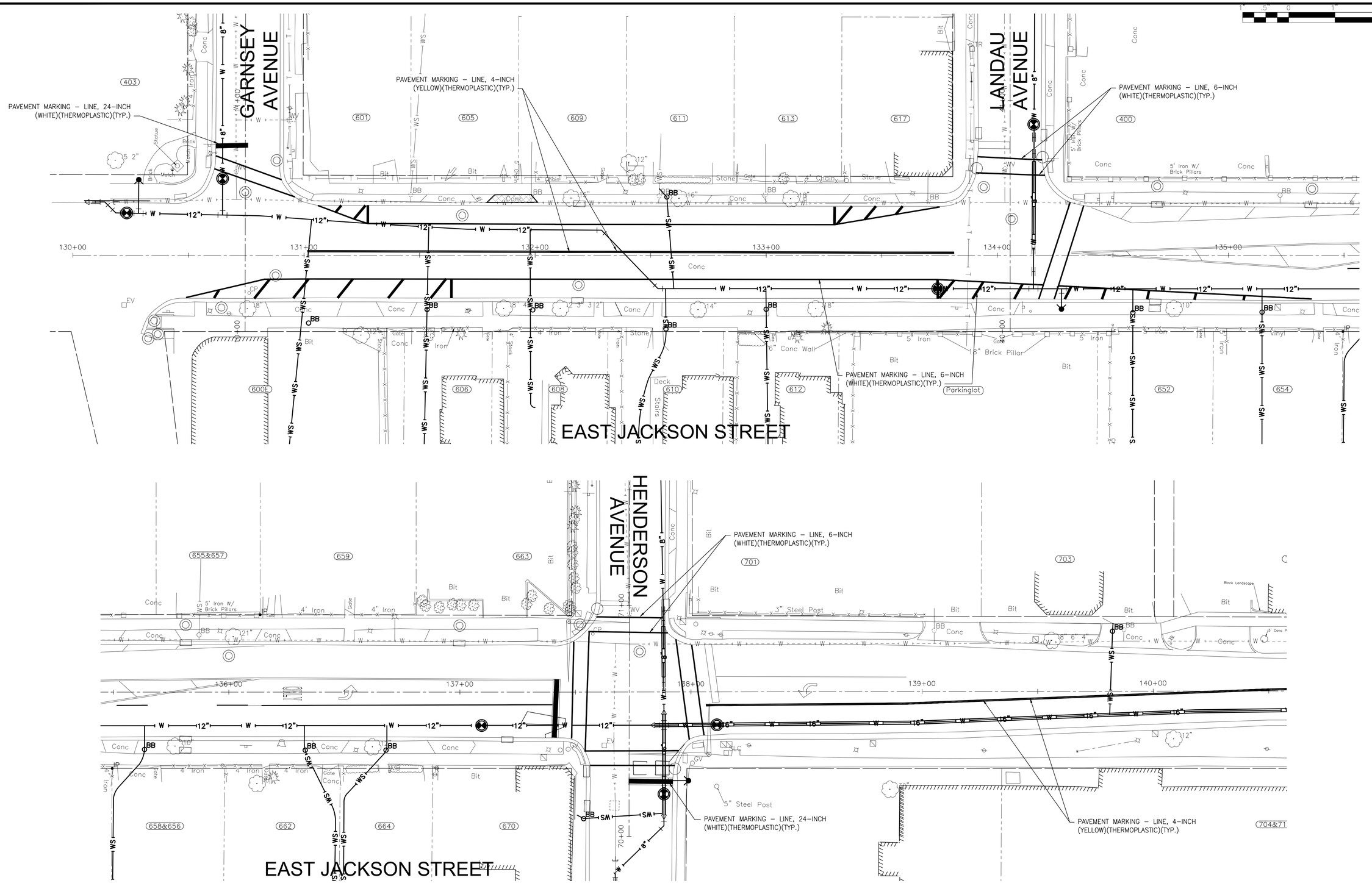
EAST JACKSON STREET STA. 140+50 TO STA. 146+00 RESTORATION PLAN

SCALE: 1" = 20' | PROJECT NO: 221587.40

DESIGNED – RMM	
DRAWN – AAM/JJS	
CHECKED – MJK	
DATE – 10/12/2023	

TOTAL SHEETS	SHEET NO.
56	46

P:\JOLT\221587-2024 WATER MAIN SURV\CAD\SPRING CREEK PHASE 1\01_CIVIL 3D\01_SHTS-PLANS\221587-SPRINGCREEK-RESTORATION-SHEETS.DWG RESTORATION PLAN (2)
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FINAL DESIGN
FOR BIDDING

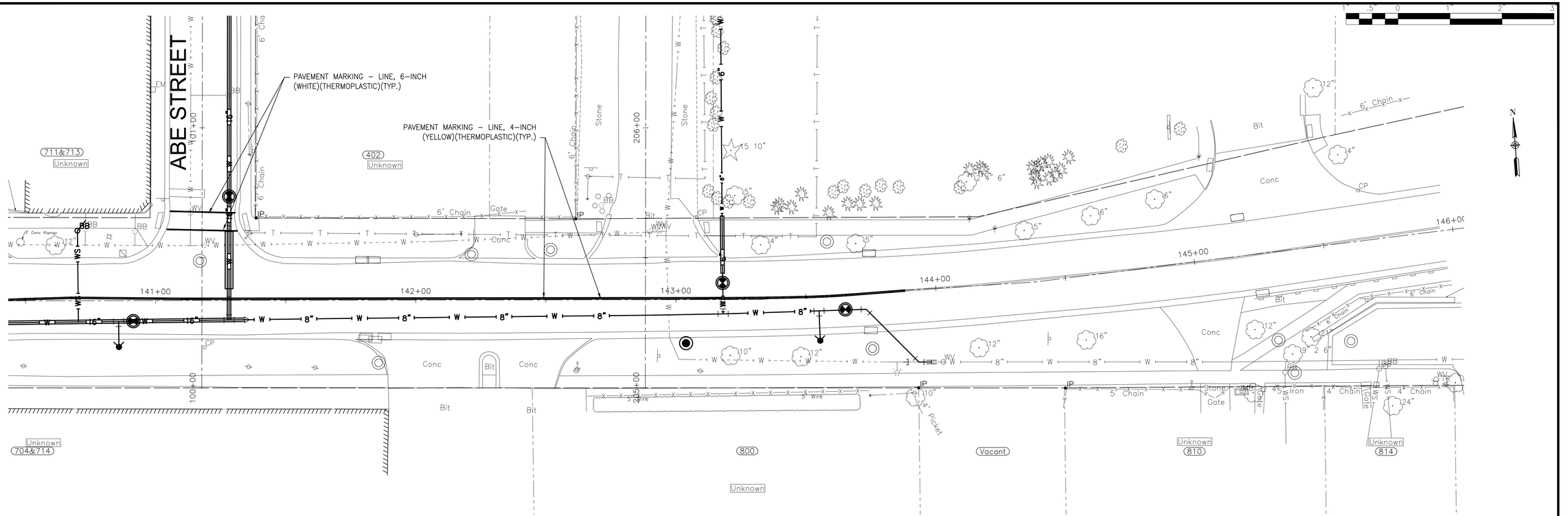
BAXTER & WOODMAN Consulting Engineers	CONSULTANTS / REVISED – / REVISED – / REVISED – / REVISED –	**CITY OF JOLIET, ILLINOIS** **SPRING CREEK PHASE 1 WATER MAIN IMPROVEMENTS** **CITY OF JOLIET CONTRACT NO.2767-0124**

EAST JACKSON STREET STA. 130+00 TO STA. 140+50 STRIPING PLAN

SCALE: 1" = 20' | PROJECT NO: 221587.40

	TOTAL SHEETS	SHEET NO.
DESIGNED – RMM DRAWN – AAM/JJS CHECKED – MJK DATE – 10/12/2023	56	47

P:\JOLITC\221587-2024 WATER MAIN SURV\CAD\SPRING CREEK PHASE 1\01_CIVIL 3D\01_SHTS-PLANS\221587-SPRINGCREEK-RESTORATION-SHEETS.DWG STRIPING PLAN
Plotted: 10/10/2023 9:15 AM By: AMAKKAOUI
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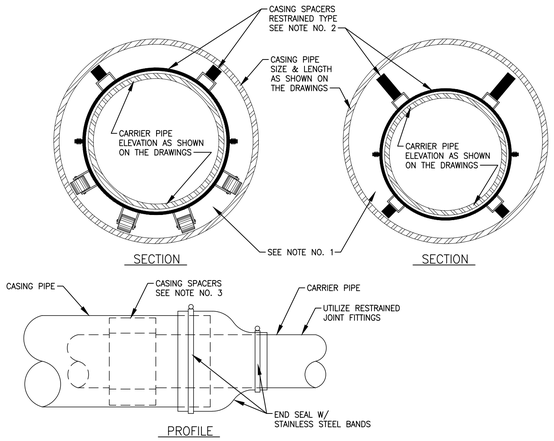


US 6 / EAST JACKSON STREET

FINAL DESIGN
FOR BIDDING

BAXTER & WOODMAN Consulting Engineers	CONSULTANTS	REVISED –	CITY OF JOLIET, ILLINOIS SPRING CREEK PHASE 1 WATER MAIN IMPROVEMENTS CITY OF JOLIET CONTRACT NO.2767-0124	EAST JACKSON STREET STA. 140+50 TO STA. 146+00 STRIPING PLAN	DESIGNED – RMM DRAWN – AAM/JJS CHECKED – MJK DATE – 10/12/2023
		REVISED –			
		REVISED –			
		REVISED –		SCALE: 1" = 20' PROJECT NO: 221587.40	TOTAL SHEETS: 56 SHEET NO.: 48

P:\JOLIT\221587-2024 WATER MAIN SURV\CAD\SPRING CREEK PHASE 1\01_CIVIL 3D\01_SHTS-PLANS\221587-SPRINGCREEK-RESTORATION-SHEETS.DWG STRIPING PLAN (2)
Plotted: 10/10/2023 9:15 AM By: AMAKKAOUI
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NOTES

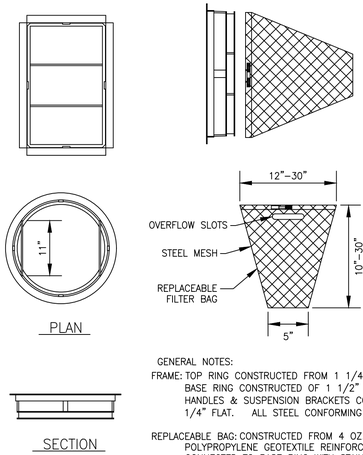
1. FILLING OF ANNULAR SPACE BETWEEN CARRIER PIPE AND CASING PIPE WITH SAND OR PEA GRAVEL IS NOT REQUIRED WHEN UTILIZING CASING SPACERS, UNLESS CONTRACTOR IS INSTRUCTED TO DO SO ON DRAWINGS OR IN SPECIFICATIONS.
2. WHERE CARRIER PIPE IS NOT CENTERED IN CASING PIPE, PROVIDE CASING SPACERS WITH LEGS THAT 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



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.

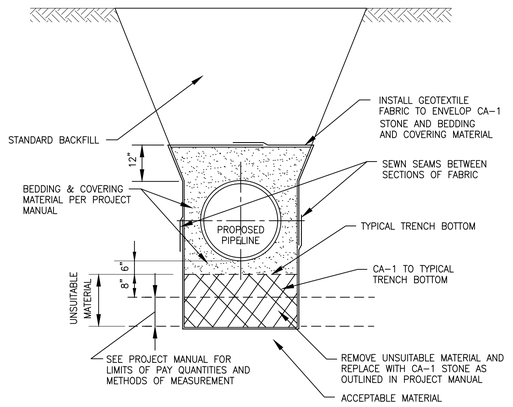
STEEL MESH: REMOVABLE STAINLESS STEEL MESH STRAINER BASKET. 1/4" DIA. HOLE SIZE, 58% OPEN AREA.

NOT TO SCALE

CITY OF JOLIET, ILLINOIS

INLET PROTECTION
FILTER DETAIL
GEN–02

DATE: OCT. 2017



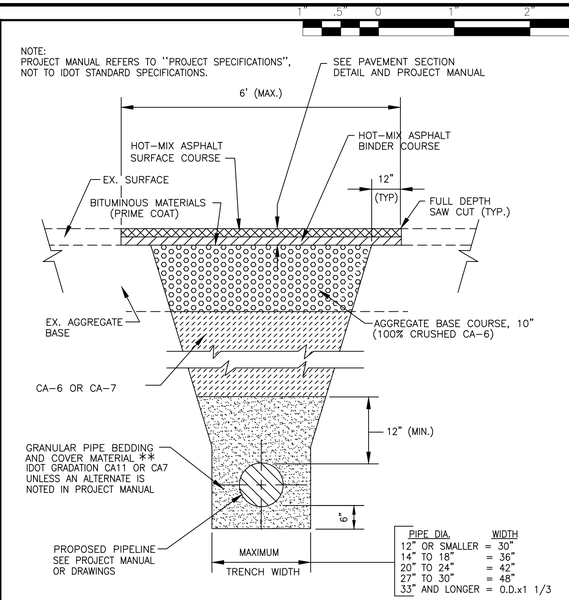
NOT TO SCALE

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.



PIPE DIA.	WIDTH
12" OR SMALLER	= 30"
14" TO 18"	= 36"
20" TO 24"	= 42"
27" TO 30"	= 48"
33" AND LONGER	= O.D.x1 1/3

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.

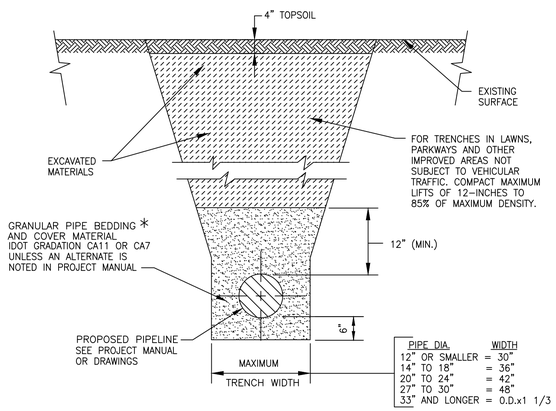
NOT TO SCALE

CITY OF JOLIET, ILLINOIS

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.



PIPE DIA.	WIDTH
12" OR SMALLER	= 30"
14" TO 18"	= 36"
20" TO 24"	= 42"
27" TO 30"	= 48"
33" AND LONGER	= O.D.x1 1/3

FOR NON–PAVED AREAS

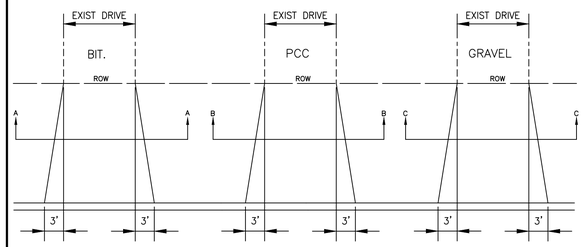
* FOR HDPE PIPE COMPLY WITH ASTM 2321, CLASS I OR II. FOR RIGID PIPE COMPLY WITH ASTM C12, BEDDING CLASS B.

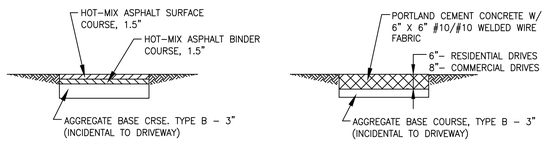
NOT TO SCALE

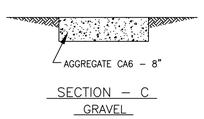
CITY OF JOLIET, ILLINOIS

TYPICAL TRENCH DETAIL
NON PAVED AREAS
GEN–05

DATE: OCT. 2017







NOTES:

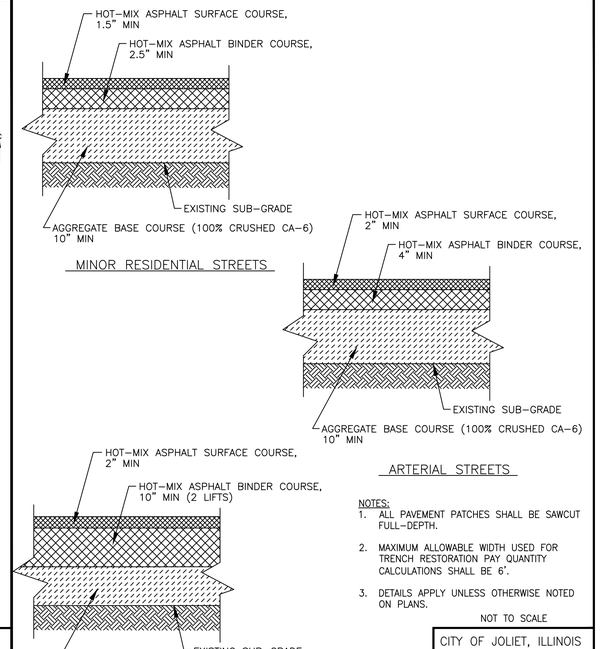
1. APRON: 8:1 SLOPE FROM FRONT OF SIDEWALK TO BACK OF CURB.
2. SIDEWALK: 1/4" / FT SLOPE

NOT TO SCALE

CITY OF JOLIET, ILLINOIS

DRIVEWAY PAVEMENT
DETAIL
PVT–01

DATE: OCT. 2017



NOTES:

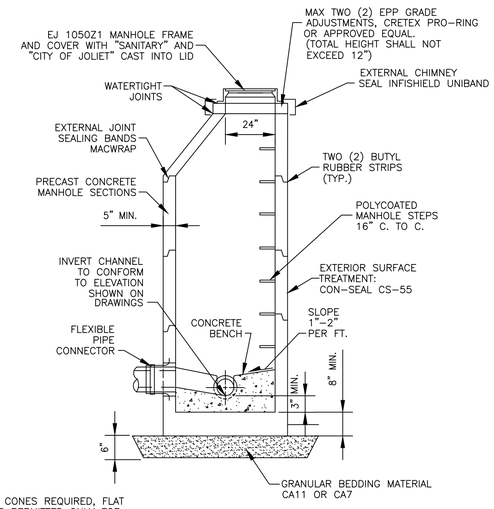
1. ALL PAVEMENT PATCHES SHALL BE SAWCUT FULL–DEPTH.
2. MAXIMUM ALLOWABLE WIDTH USED FOR TRENCH RESTORATION PAY QUANTITY CALCULATIONS SHALL BE 6'.
3. DETAILS APPLY UNLESS OTHERWISE NOTED ON PLANS.

NOT TO SCALE

CITY OF JOLIET, ILLINOIS

TYPICAL PAVEMENT
SECTION
PVT–02

DATE: OCT. 2017



NOTE:

1. ECCENTRIC CONES REQUIRED, FLAT SLAB TOPS PERMITTED ONLY FOR MANHOLES TOO SHALLOW FOR CONES.
2. MANHOLE DIAMETER SHALL BE DETERMINED BY THE SEWER DEPTH, THE SEWER OUTSIDE DIAMETER, RELATIVE ANGLES OF SEWERS TO EACH OTHER, THE SIZE OF HOLES CORED/CAST FOR BOOTS, AND A MINIMUM OF 8" BETWEEN CORED/CAST HOLES. FOR SEWER SIZES 8" THROUGH 15", USE 4'–0" DIAMETER. FOR SEWER DEPTHS 15' AND GREATER, USE 5'–0" DIAMETER.
3. ALL LIFT HOLES ARE TO BE GROUTED FROM THE INSIDE AND OUTSIDE BEFORE BACKFILLING.
4. MANHOLES THAT HAVE FORCE MAINS DISCHARGING INTO THEM SHALL BE COATED WITH SHERWIN WILLIAMS DURAPLATE 6100 OR RAVEN 405

NOT TO SCALE

CITY OF JOLIET, ILLINOIS

SANITARY MANHOLE DETAIL
SAN–01

DATE: OCT. 2017

FINAL DESIGN FOR BIDDING

BAXTER & WOODMAN Consulting Engineers

CONSULTANTS	REVISED –
	REVISED –
	REVISED –
	REVISED –

CITY OF JOLIET, ILLINOIS
SPRING CREEK PHASE 1 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO.2767-0124

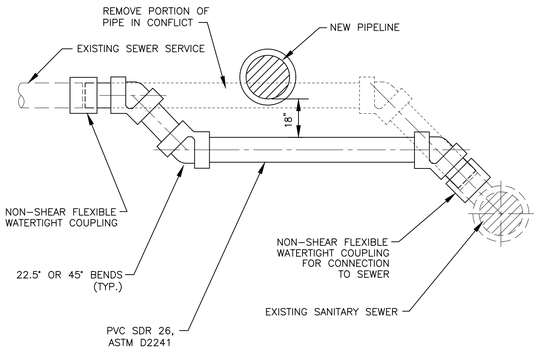
CONSTRUCTION DETAILS

SCALE: AS NOTED | PROJECT NO: 221587.40

DESIGNED	– RMM
DRAWN	– AAM/JJS
CHECKED	– MJK
DATE	– 10/12/2023

TOTAL SHEETS: 56 | SHEET NO.: 49

P:\JOLIT\221587–2024 WATER MAIN SURV\CAD\SPRING CREEK PHASE 1\01_CIVIL 3D\01_SHTS–PLANS\221587–SPRING CREEK PHASE 1_COVER_GEN_DETS.DWG DETAILS
Plotted: 10/10/2023 9:16 AM By: AMAKKAOUI
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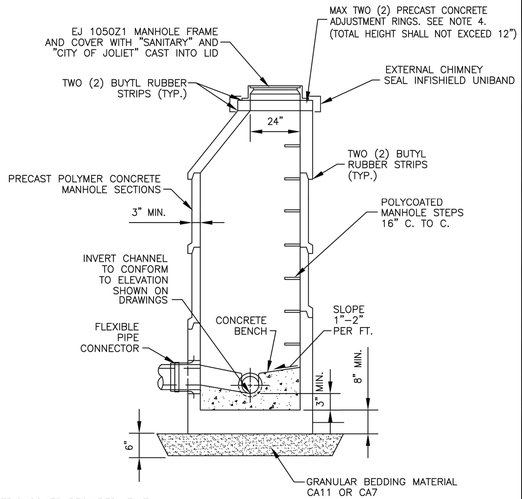


NOT TO SCALE

CITY OF JOLIET, ILLINOIS

SANITARY SEWER SERVICE RELOCATION
SAN-03

DATE: OCT. 2017



NOTE:

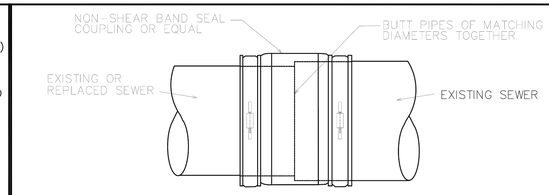
1. ECCENTRIC CONES REQUIRED, FLAT SLAB TOPS PERMITTED ONLY FOR MANHOLES TOO SHALLOW FOR CONES.
2. MANHOLE DIAMETER SHALL BE DETERMINED BY THE SEWER DEPTH, THE SEWER OUTSIDE DIAMETER, RELATIVE ANGLES OF SEWERS TO EACH OTHER, THE SIZE OF HOLES CORED/CAST FOR BOOTS, AND A MINIMUM OF 8" BETWEEN CORED/CAST HOLES. REFER TO DESIGN MANUAL.
3. ALL LIFT HOLES ARE TO BE GROUTED FROM THE INSIDE AND OUTSIDE BEFORE BACKFILLING.
4. FOR MANHOLES INSTALLED IN PAVEMENT, PROVIDE ONE RUBBER COMPOSITE ADJUSTMENT RING. EJ INFRA-RISER OR APPROVED EQUAL.
5. BOUYANCY DESIGN SUBMITTALS ARE REQUIRED.

NOT TO SCALE

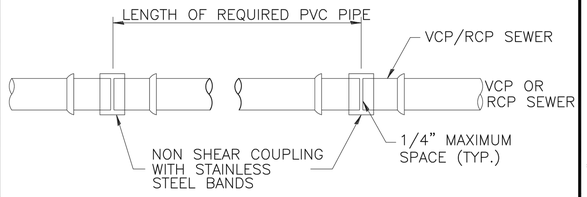
CITY OF JOLIET, ILLINOIS

SANITARY POLYMER MANHOLE DETAIL
SAN-12

DATE: MARCH 2019



PIPE COUPLING DETAIL



NOTES:

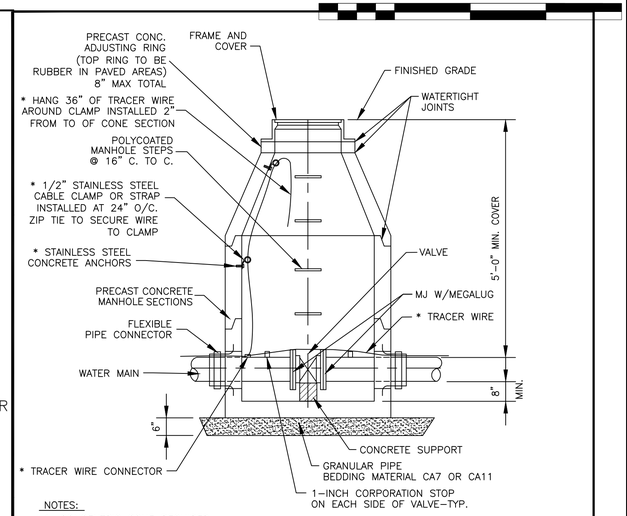
1. CONNECTION TO CIPP LINING SHALL BE NON-SHEAR COUPLINGS THAT ARE MADE SPECIFICALLY TO FIT THE OUTSIDE DIAMETER OF CURED-IN-PLACE PIPE (CIPP)

NOT TO SCALE

CITY OF JOLIET, ILLINOIS

CONNECTING SEWER PIPES OF DISSIMILAR MATERIAL
SAN-14

DATE: NOVEMBER 2022



NOTES:

1. CONCENTRIC CONE REQUIRED FOR GATE VALVES, ECCENTRIC CONE REQUIRED FOR BUTTERFLY VALVES.
2. USE 4'-0" DIAMETER FOR WATER MAIN SIZES 4" THRU 10", 5'-0" FOR SIZES 12" OR GREATER
3. PROVIDE CAST IRON FRAME AND COVER WITH HEAVY DUTY LID, STAMPED WITH "CITY OF JOLIET" AND "WATER". EJ 1050Z1 OR NEENAH R170
* 4. ATTACH TRACER WIRE TO MAINTAIN MIN. 24" AWAY FROM STEPS
* 5. SECURE STAINLESS STEEL CABLE CLAMPS TO VAULT WALL WITH TAPCON 0.25" X 1.5" (MIN.) EMBEDMENT STAINLESS STEEL SCREW ANCHORS, OR APPROVED EQUAL.

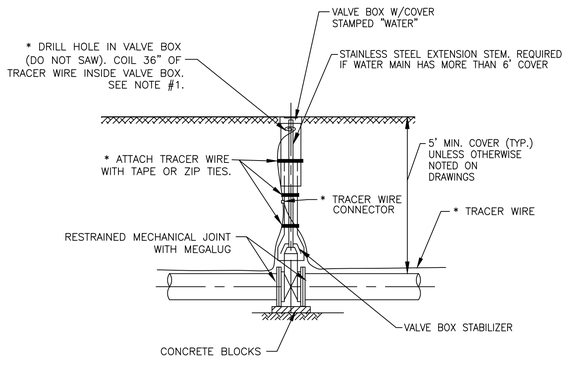
* FOR PVC WATER MAIN INSTALLATION ONLY

NOT TO SCALE

CITY OF JOLIET, ILLINOIS

WATER VALVE VAULT DETAIL
WTR-01

DATE: NOVEMBER. 2022



* FOR PVC WATER MAIN INSTALLATION ONLY

NOTES:

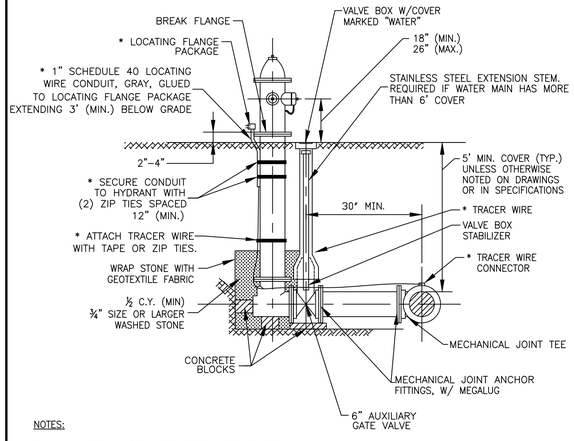
* 1. ATTACH TRACER WIRE TO OUTSIDE OF VALVE BOX USING TAPE OR ZIP TIES. DRILL 5/8" DIA. HOLE IN VALVE BOX 6" FROM TOP OF VALVE BOX.

NOT TO SCALE

CITY OF JOLIET, ILLINOIS

WATER VALVE BOX DETAIL
WTR-02

DATE: NOVEMBER 2022



NOTES:

1. MUELLER CENTURION A423, CLOW MEDALLION OR E.J. 5BR250 (RED FOR MUNICIPAL TREATED WATER, GREEN FOR RAW WATER, YELLOW FOR PRIVATE HYDRANTS)
2. HYDRANTS SHALL BE LOCATED A MINIMUM OF 2 FEET BEHIND THE BACK OF CURB IN LOCATIONS SHOWN ON THE DRAWINGS
3. USE SWIVEL TEE AS CALLED OUT ON PLANS. 30" MINIMUM SEPARATION DOES NOT APPLY WHEN USING SWIVEL TEES.
*4. LOCATING WIRE CONDUIT TO BE RIGID PIPE FORMED TO HYDRANT OR TOP 18" TO BE RIGID, WITH 12" (MAX.) FLEXIBLE CONDUIT BELOW, TRANSITIONING BACK TO RIGID CONDUIT.
*5. LOCATING FLANGE PACKAGE TO BE RED COLOR COPPERHEAD INDUSTRIES COBRA HYDRANT PACKAGE PART # T1-FLPKG OR APPROVED EQUAL

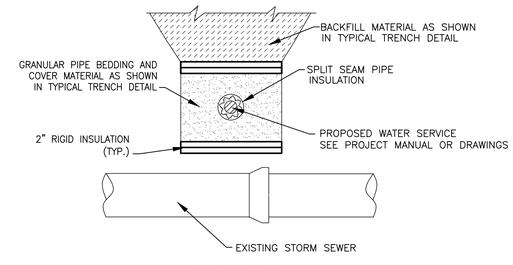
* FOR PVC WATER MAIN INSTALLATION ONLY

NOT TO SCALE

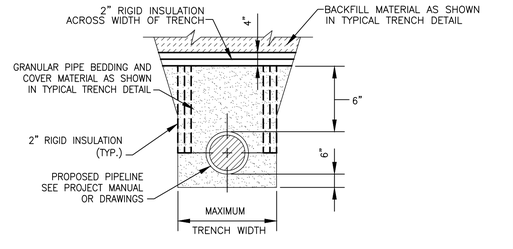
CITY OF JOLIET, ILLINOIS

FIRE HYDRANT DETAIL
WTR-03

DATE: NOVEMBER 2022



WATER SERVICE



WATER MAIN

NOTES:

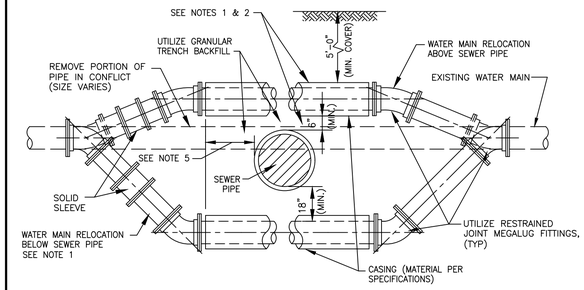
1. TO BE USED WHEN WATER MAIN AND / OR WATER SERVICE BURY DEPTH IS < 4' OR WHEN WATER SERVICE CROSSES ABOVE STORM SEWER.

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

FINAL DESIGN FOR BIDDING

BAXTER & WOODMAN Consulting Engineers

CONSULTANTS	REVISED –
	REVISED –
	REVISED –
	REVISED –

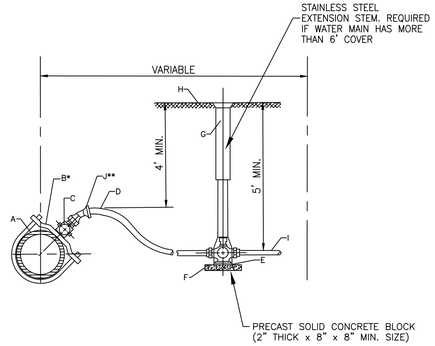
CITY OF JOLIET, ILLINOIS
SPRING CREEK PHASE 1 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO.2767-0124

CONSTRUCTION DETAILS

SCALE: AS NOTED | PROJECT NO: 221587.40

		TOTAL SHEETS	SHEET NO.
DESIGNED – RMM			
DRAWN – AAM/JJS			
CHECKED – MJK		56	50
DATE – 10/12/2023			

P:\JOLIET\221587-2024 WATER MAIN SURV\CAD\SPRING CREEK PHASE 1\01_CIVIL 3D\01_SHTS-PLANS\221587-SPRING CREEK PHASE 1_COVER_GEN_DETS.DWG DETAILS (2)
Plotted: 10/10/2023 9:16 AM By: AMAKKADU
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*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

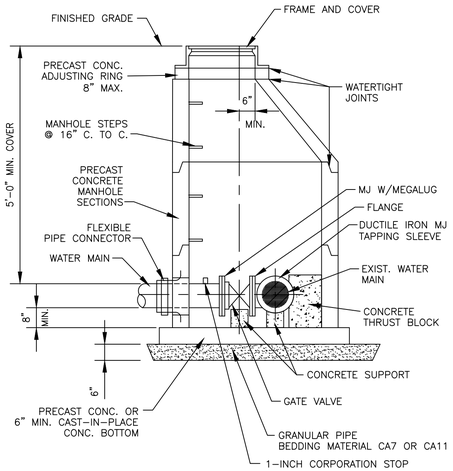
NOTE: FOR 1 1/2" OR 2" SERVICE, ADD ENLARGED BASE FOR SERVICE BOX.

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

DUCTILE IRON–RESTRAINT JOINT TYPE PIPE LENGTH (FEET)						
FITTING TYPE	DIAMETER (IN)					
	4"	6"	8"	10"	12"	16"
HORIZONTAL BEND						
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
VERTICAL BEND						
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
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	–

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–09

DATE: NOVEMBER 2022

PVC–RESTRAINT JOINT TYPE PIPE LENGTH (FEET)						
FITTING TYPE	DIAMETER (IN)					
	4"	6"	8"	10"	12"	16"
HORIZONTAL BEND						
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
VERTICAL BEND						
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
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	–

NOTE:

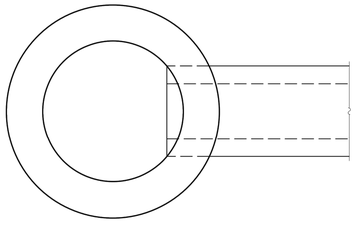
RJT LENGTHS MAY VARY DEPENDING ON SITE CONDITIONS. LENGTHS SHOWN ARE MINIMUM PER 5' BURY DEPTH OF WATER MAIN AND, AGGREGATE PIPE BACKFILL.

NOT TO SCALE

CITY OF JOLIET, ILLINOIS

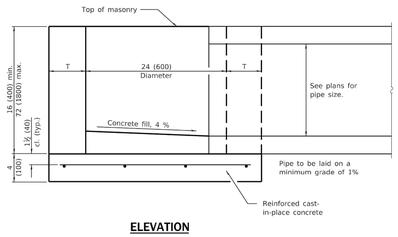
PVC RJT DETAIL
WTR–09

DATE: NOVEMBER 2022

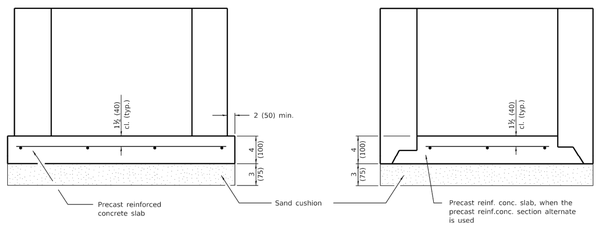


PLAN

ALTERNATE MATERIALS FOR WALLS	T
BRICK MASONRY	8 (200)
CAST-IN-PLACE CONCRETE	6 (150)
CONCRETE MASONRY UNIT	5 (125)
PRECAST REINFORCED CONCRETE SECTION	3 (75)



ELEVATION



ALTERNATE METHODS

GENERAL NOTES

Bottom slabs shall be reinforced with a minimum of 0.24 sq. in./ft. (510 sq. mm/m) in both directions with a maximum spacing of 10 (250).

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

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

Illinois Department of Transportation
PASSED January 1, 2014
ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2014
ENGINEER OF DESIGN AND ENVIRONMENT
1-1-17 ©BRS

DATE	REVISIONS
1-1-14	Increased height to 72 (1800) maximum.
1-1-11	Detailed rein. in slabs.
	Added max. limit to height.
	Added general notes.

INLET - TYPE A

STANDARD 602301-04

FINAL DESIGN
FOR BIDDING

BAXTER & WOODMAN Consulting Engineers

CONSULTANTS

REVISED –
REVISED –
REVISED –
REVISED –

CITY OF JOLIET, ILLINOIS
SPRING CREEK PHASE 1 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO.2767-0124

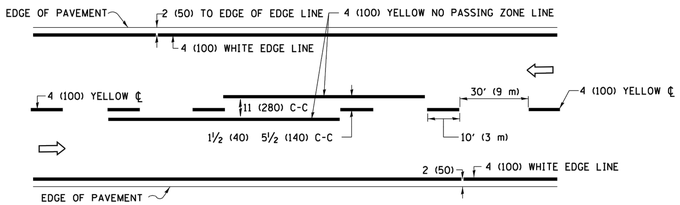
CONSTRUCTION DETAILS

SCALE: AS NOTED
PROJECT NO: 221587.40

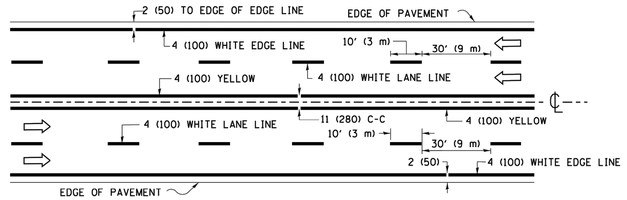
DESIGNED – RMM
DRAWN – AAM/JJS
CHECKED – MJK
DATE – 10/12/2023

TOTAL SHEETS: 56
SHEET NO.: 51

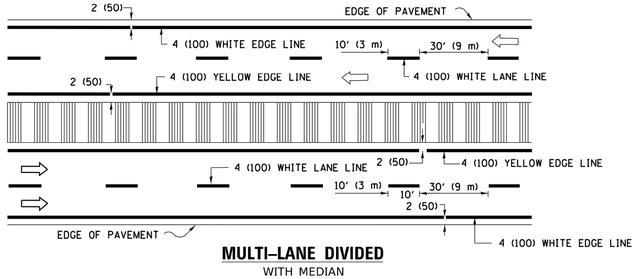
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Plotted: 10/10/2023 9:16 AM By: AMAKKADU
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2–LANE ROADWAY

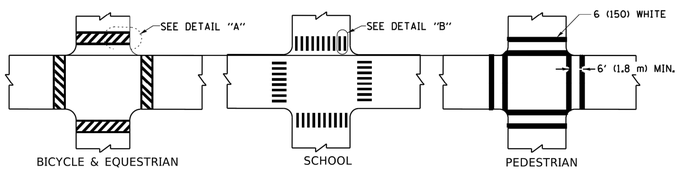


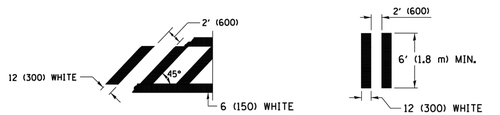
MULTI–LANE UNDIVIDED



MULTI–LANE DIVIDED
WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

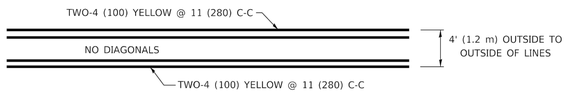




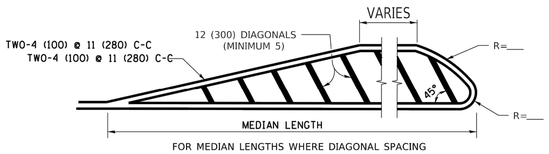
DETAIL "A" **DETAIL "B"**

TYPICAL CROSSWALK MARKING

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



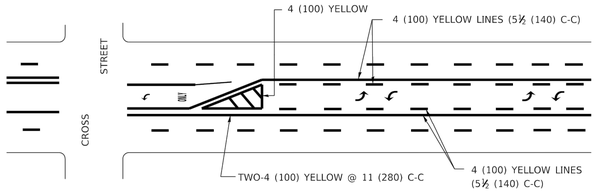
4' (1.2 m) WIDE MEDIANS ONLY



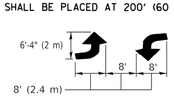
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h))
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

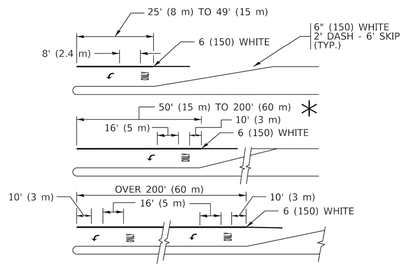


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO–WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

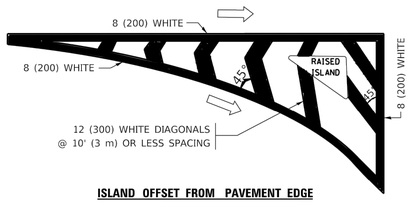


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) **ONLY** AREA = 20.8 SQ. FT. (1.9 m²)

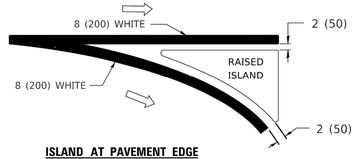
✳ TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

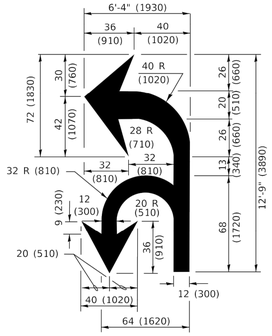


ISLAND OFFSET FROM PAVEMENT EDGE

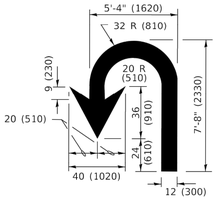


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

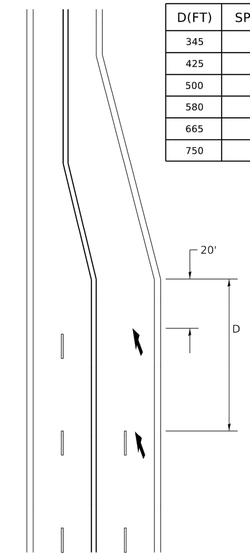


COMBINATION LEFT AND U–TURN



U–TURN

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



LANE REDUCTION TRANSITION

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m² EACH "X"=54.0 SQ. FT. (5.0 m²
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			56	52
	TC–13	CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

tc13.dgn 3/4/2019 10:34:37 AM User=footemj

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

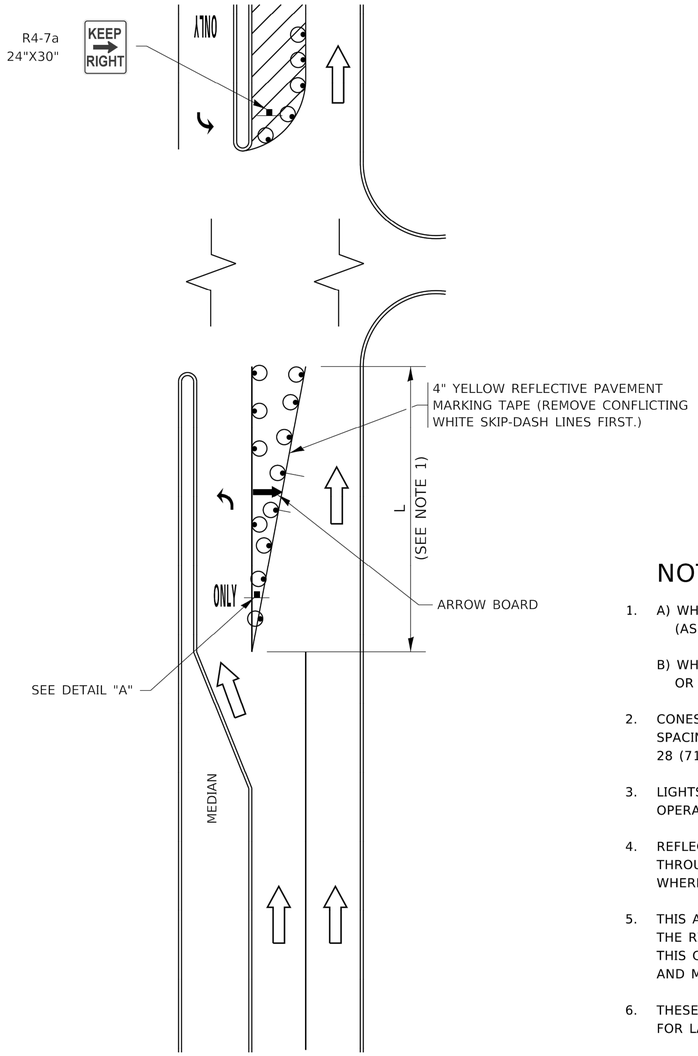


FIGURE 1

LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- ARROW BOARD
- TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- SIGN ASSEMBLY
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

NOTES:

1. A) WHEN "L" IS ≤ THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.

   B) WHEN "L" IS > THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.

2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.

3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.

4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.

5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-I100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.

6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.

7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PREQUIREMENTS.

8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

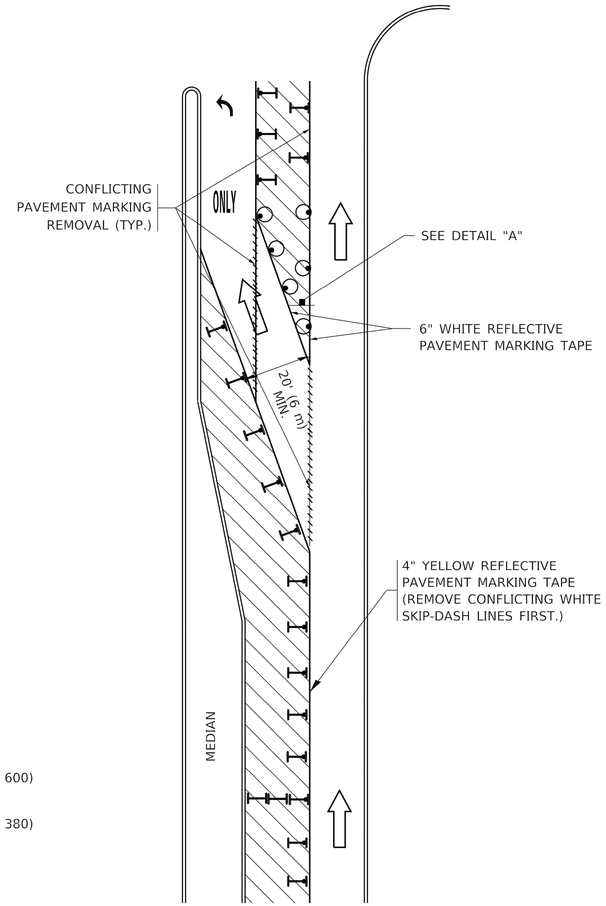
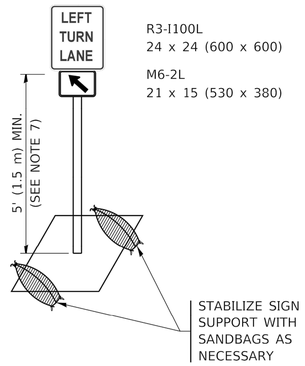


FIGURE 2



DETAIL A

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

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	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13	
PLOT SCALE = 50.0000 ' / in.	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16	
PLOT DATE = 3/4/2019	DATE - T. RAMMACHER 01-06-00	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			56	53
TC-14		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

tc14.dgn 3/4/2019 10:36:01 AM User=footemj

ROUTE MARKERS

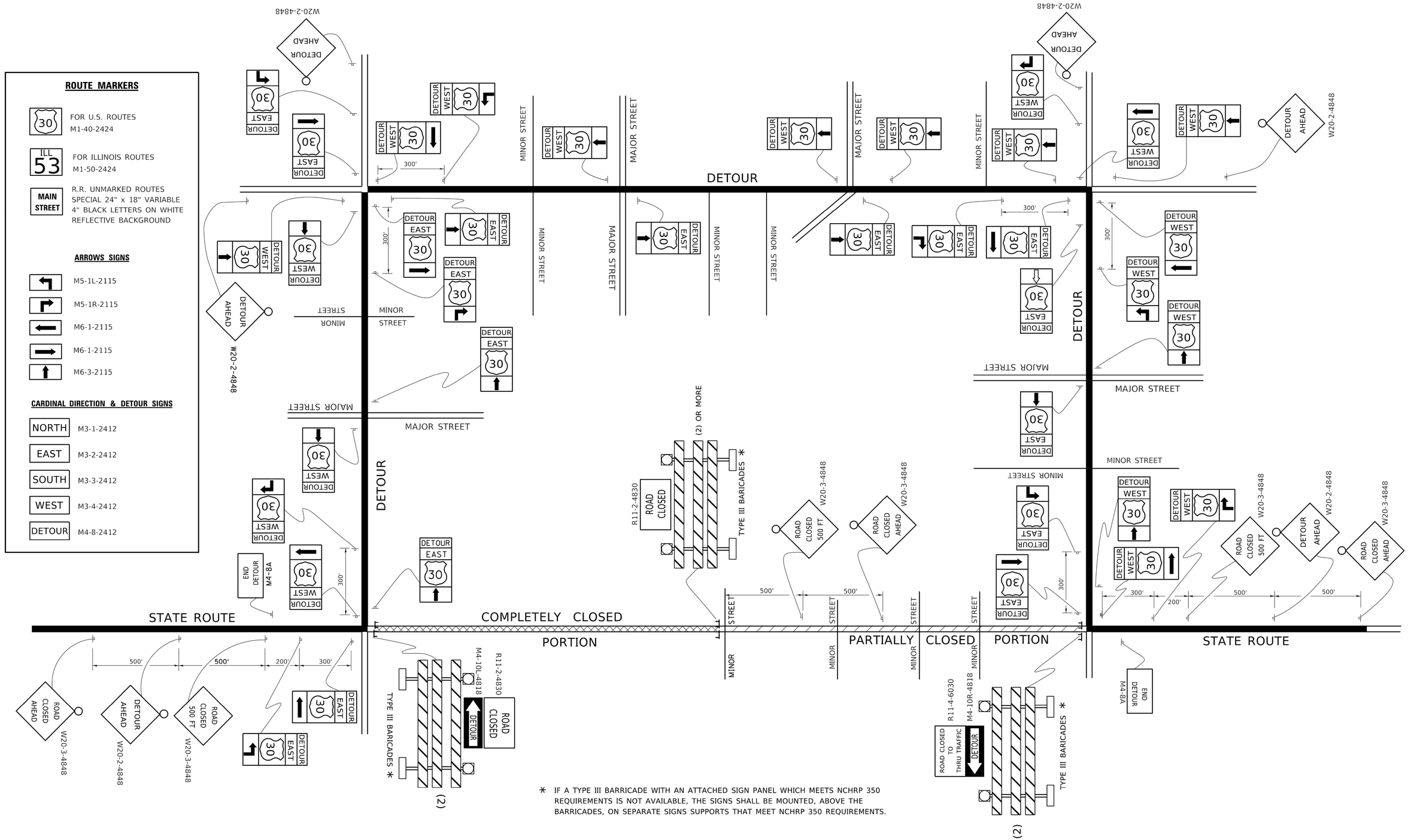
- 30 — FOR U.S. ROUTES M1-40-2424
- ILL 53 — FOR ILLINOIS ROUTES M1-50-2424
- MAIN STREET — R.R. UNMARKED ROUTES SPECIAL 24" x 18" VARIABLE 4" BLACK LETTERS ON WHITE REFLECTIVE BACKGROUND

ARROWS SIGNS

- M5-1L-2115
- M5-1R-2115
- M6-1-2115
- M6-1-2115
- M6-3-2115

CARDINAL DIRECTION & DETOUR SIGNS

- NORTH — M3-1-2412
- EAST — M3-2-2412
- SOUTH — M3-3-2412
- WEST — M3-4-2412
- DETOUR — M4-8-2412



MODEL: Default
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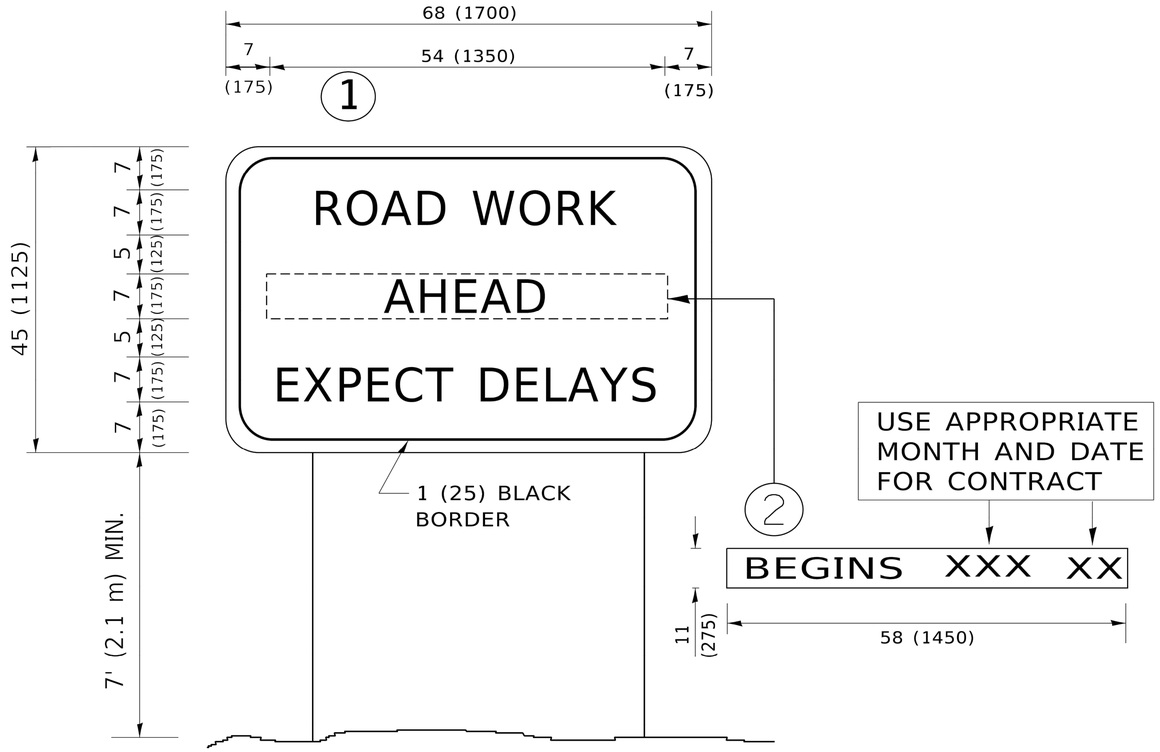
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PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/4/2019	DATE -	REVISED -	

DETOUR SIGNING FOR CLOSING STATE HIGHWAYS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			56	54
TC–21		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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NOTES:

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

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

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PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99	
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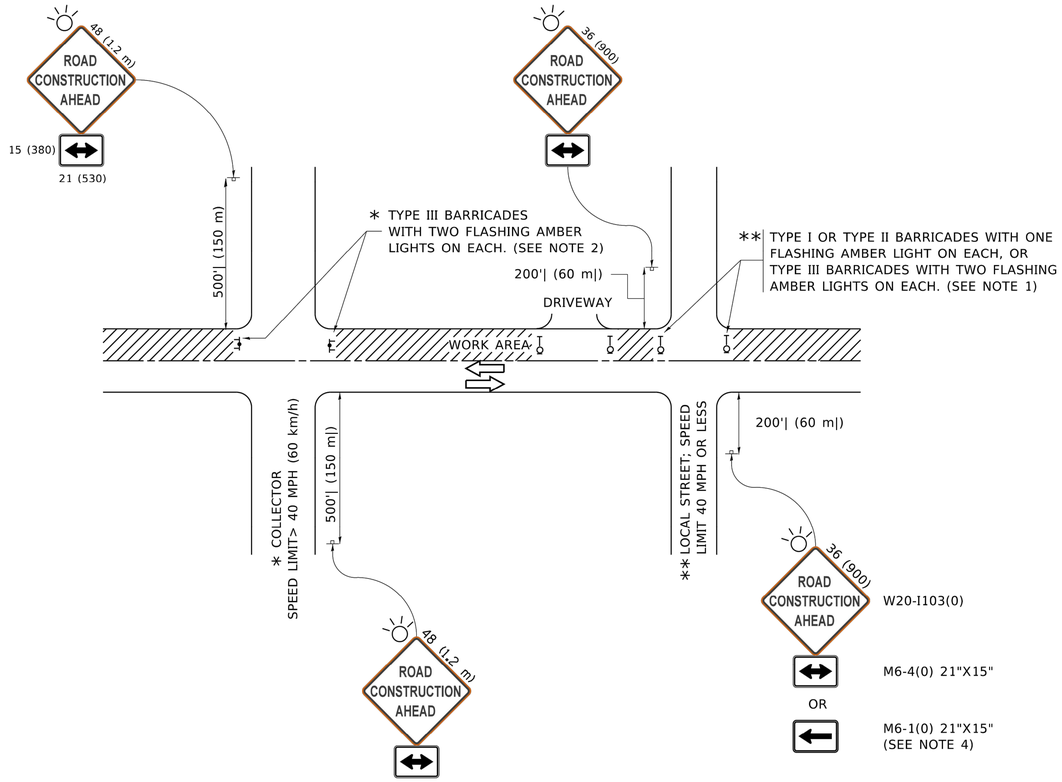
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD
INFORMATION SIGN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			56	55
	TC–22		CONTRACT NO.	
	ILLINOIS	FED. AID PROJECT		

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NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
   a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
   a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

USER NAME = footemj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96	
	DRAWN -	REVISED - T. RAMMACHER 01-06-00	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13	
PLOT DATE = 3/4/2019	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			56	56
	TC–10		CONTRACT NO.	
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