



**ENCROACHMENT
STIPULATION
LETTER**

March 2, 2026

Anthony Anczer
Deputy Director of Public Utilities
City of Joliet
150 W. Jefferson St.
Joliet, IL 60432

ENCROACHMENT STIPULATION LETTER

RE: MC2512006 City of Joliet Water Main Improvements West Acres & Oneida Street CRAWFORD
Lateral #1 #2 #3

Tract: CRAW-2, CRAW(2)-2, CRAW(3)-4

Brief legal description: S2 Sec 7 T35N-R10E

County: Will

State: Illinois

Dear Eileen Kennedy,

NGPL ("Company") hereby acknowledges the receipt of that certain email with the reference or subject line of "City of Joliet – Glenwood and West Acres Water Main Improvements – JULIE Design Stage Locate #A250862668", received from Eileen Kennedy, P.E., Water Infrastructure Engineer BAXTER & WOODMAN CONSULTING ENGINEERS dated September 3, 2025 with a later email dated January 8, 2026 including the plan attached thereto entitled "2930-0126 Glenwood and West Acres Water Main Improvements Plans_12.17.25.pdf" which are together marked as Exhibit "A" and attached hereto and made a part hereof and hereinafter referred to as the "Encroachment". Said plan shows, describes, details, and/or depicts the proposed methods and specifications for the installation/construction of a water main upon, over, under, within, or in close proximity to Company's pipeline and/or pipeline related facilities (Company Facilities") on Company's easement or easements (whether one or more, "Company Easement") referenced by the tract number(s) above.

Company hereby grants approval of the plans and work referenced in Exhibit "A" attached hereto and made a part hereof, provided:

1. This letter is countersigned and a copy is returned to Company at the address listed below prior to commencement of any construction activity within the confines of the Company Easement. If this letter is not signed and returned to Company, Company's consent herein shall be withdrawn; no work will be authorized within the confines of the Company Easement.
2. The following conditions are observed:
 - a. All work must comply with the plans referenced herein and attached hereto. Any changes to the design and/or construction must be pre-approved in advance by Company.
 - b. Follow Kinder Morgan approval comments:
 1. A Kinder Morgan damage prevention field inspector must be on site at all times for construction within the ROW and within 25 feet of the pipelines.
 2. No construction within the pipeline easement shall commence until an Encroachment agreement is executed.

- c. Except as specifically set forth in Exhibit "A", the City of Joliet shall construct, own, operate, maintain, use and remove the Encroachment in accordance with Company's O&M Procedure 204 OM200-29 titled "Guidelines for Design and Construction near Kinder Morgan Operated Facilities," which is attached hereto as Exhibit "B" and made a part hereof. **A Company representative shall be on-site to monitor any construction activities within twenty-five (25) feet of Company Facilities or within the Company Easement.**
- d. At least five (5) business days prior to any work on or near Company Facilities and/or within the Company Easement, the City of Joliet, its contractor(s), subcontractor(s), and/or developer(s) must call Company's Blake Favero, Supervisor of Damage Prevention, at 815-693-1179. He will arrange to have a Company representative on-site while work is occurring.
- e. Company requires that each contractor or subcontract associated with the Encroachment submit an Illinois One Call (8-1-1) Ticket for each different phase of the Encroachment that involves earth disturbance (grading, excavating, trenching, digging, etc.).
- f. The City of Joliet shall be solely responsible for the construction, ownership, operation, maintenance, use, and removal of the Encroachment and for any and all expenses including inspection fees incurred by Company and/or damage to Company Facilities and/or the Company Easement as a result of, in the Company's sole opinion, the City of Joliet's activities upon the Company Easement. The City of Joliet shall, upon demand by Company, reimburse Company fully for any such expense or damage. The City of Joliet agrees to indemnify and hold harmless Company, its parent, affiliates, agents, employees, contractors, and subcontractors and their respective successors and assigns (individually and collectively, the "Company Indemnitees"), against any claim, demand, or cause of action of any party (including, but not limited to reasonable attorney's fees) in any way arising from or related to (1) the existence of the Encroachment, (2) The City of Joliet approved activities under this Stipulation Letter, (3) The City of Joliet breach of its obligations under this Stipulation Letter, or (4) any cause of action resulting from damage to Company Facilities or the Company Easement by The City of Joliet, its parent, affiliates, agents, employees, contractors or subcontractors.
- g. The review and approval of this proposal shall only be valid for a period of one (1) year from the date of this letter.
- h. All of the terms and conditions of the Company Easement shall remain in full force and effect.
- i. The permission granted herein shall not be assignable, in whole or in part, without Company's express written consent.
- j. This Stipulation Letter shall be binding upon and inure to the benefit of the parties hereto, including The City of Joliet contractors, subcontractors, and developers, if any.

If you have any questions, please contact me by:

Telephone at 815-214-4950,
Or mail to:
Glen Stepanovic,
Senior Agent II-Land and Right of Way,
Kinder Morgan, Inc.,
23725 W. County Farm Rd.
Shorewood, IL 60431 .

COUNTERSIGNED AND AGREED TO:


~~Anthony Anzor~~ Beth Beatty, City Manager

Print Name

Title

Date

Sincerely,



Glen M Stepanovic
Senior Agent II – Land and Right of Way

KINDER / MORGAN, Inc.
As Operator of Natural Gas Pipeline
Company of America LLC
23725 W. County Farm Rd.
Shorewood, IL 60431
Office: 815-272-9171
Cell: 

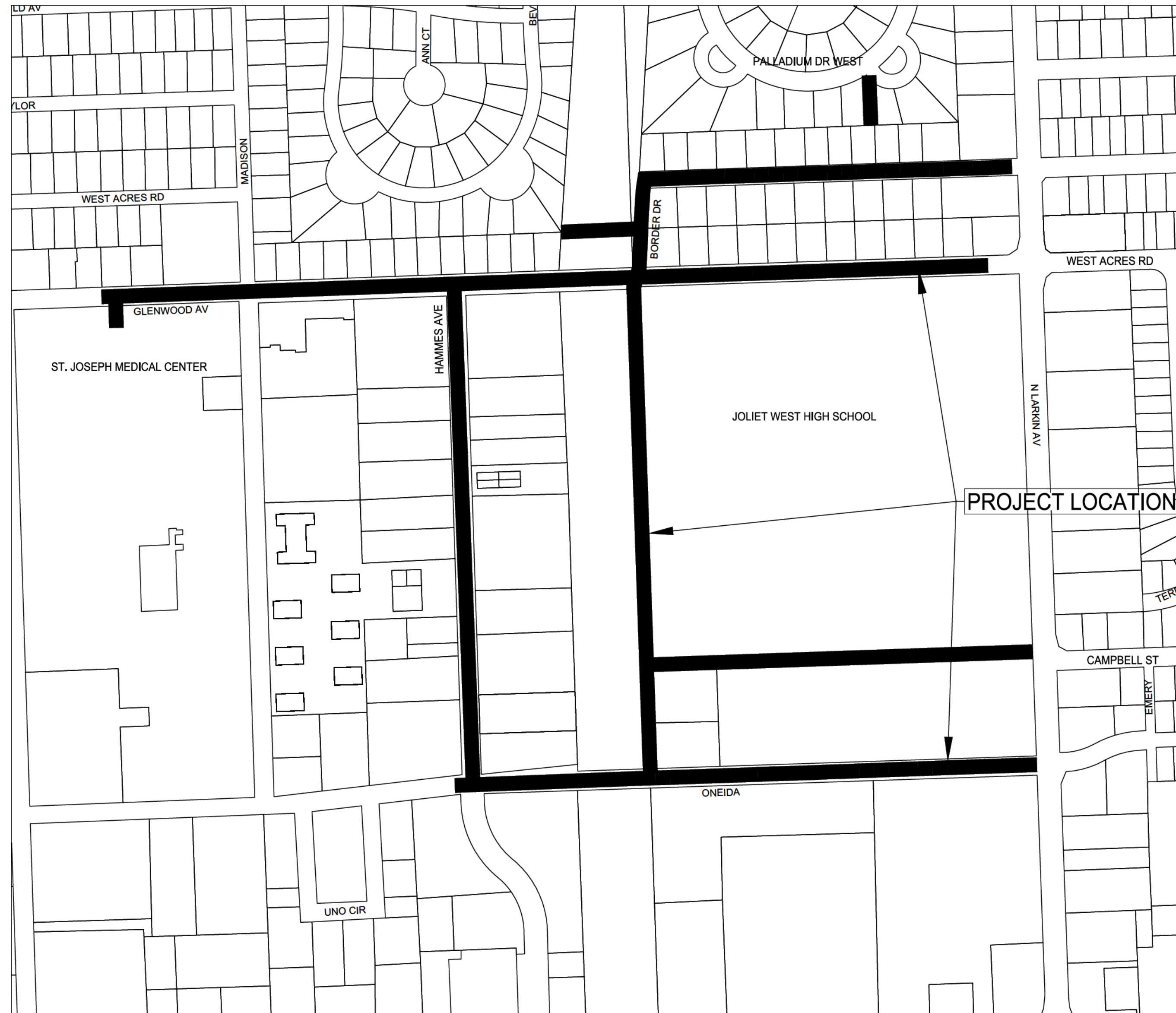
CITY OF JOLIET, ILLINOIS

GLENWOOD AND WEST ACRES WATER MAIN IMPROVEMENTS

CITY OF JOLIET CONTRACT NO. 2930-0126

WATER MAIN REPLACEMENT IEPA LOAN NO. L17-6077

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C008	JOLIET WEST HS BOUNDARY STA 50+00 TO STA 55+00 PLAN AND PROFILE
C009	JOLIET WEST HS BOUNDARY STA 55+00 TO STA 60+00 PLAN AND PROFILE
C010	JOLIET WEST HS BOUNDARY STA 60+00 TO STA 63+50 PLAN AND PROFILE
C011	BORDER DR STA 63+50 TO STA 66+50 PLAN AND PROFILE
C012	WEST ACRES ROAD STA 66+50 TO STA 70+00 PLAN AND PROFILE
C013	WEST ACRES ROAD STA 70+00 TO STA 75+00 PLAN AND PROFILE
C014	WEST ACRES ROAD STA 75+00 TO STA 79+00 PLAN AND PROFILE
C015	ONEIDA STREET STA 79+00 TO STA 82+00 PLAN AND PROFILE
C016	ONEIDA STREET STA 82+00 TO STA 85+50 PLAN AND PROFILE
C017	ONEIDA STREET STA 85+00 TO STA 90+00 PLAN AND PROFILE
C018	ONEIDA STREET STA 90+00 TO STA 95+00 PLAN AND PROFILE
C019	ONEIDA STREET STA 95+00 TO STA 98+80 PLAN AND PROFILE
C020	JOLIET WEST HS STA 100+00 TO STA 105+00 PLAN AND PROFILE
C021	JOLIET WEST HS STA 105+00 TO STA 110+00 PLAN AND PROFILE
C022	JOLIET WEST HS STA 110+00 TO STA 114+00 PLAN AND PROFILE
C023	HAMMES AVE STA 120+00 TO STA 125+00 PLAN AND PROFILE
C024	HAMMES AVE STA 125+00 TO STA 130+00 PLAN AND PROFILE
C025	HAMMES AVE STA 130+00 TO STA 135+00 PLAN AND PROFILE
C026	HAMMES AVE STA 135+00 TO STA 138+00 PLAN AND PROFILE
C027	HOSPITAL CONNECTION & PALLADIUM ABANDONMENT
C028	GLENWOOD AVENUE RESTORATION PLAN
C029	ONEIDA STREET RESTORATION PLAN
C030	JOLIET WEST HIGH SCHOOL RESTORATION PLAN
C031	METER PIT DETAIL
C032	CONSTRUCTION DETAILS
C033	CONSTRUCTION DETAILS
C034	CONSTRUCTION DETAILS



VICINITY MAP

EXISTING UTILITIES: #A250862668

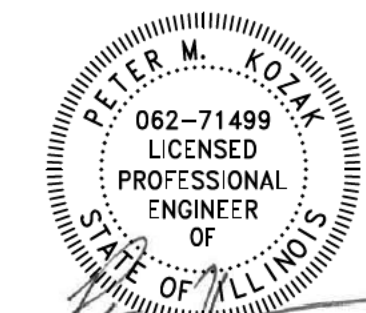
WHERE THE DRAWINGS INCLUDE INFORMATION PERTAINING TO THE LOCATION OF UNDERGROUND UTILITY FACILITIES, SUCH INFORMATION REPRESENTS ONLY THE OPINION OF THE ENGINEER AS TO THE LOCATION OF SUCH UTILITIES. THE INFORMATION IS INCLUDED ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. THE UTILITY LOCATIONS WERE DETERMINED FROM THE BEST AVAILABLE RECORDS. THE ENGINEER AND OWNER ASSUME NO RESPONSIBILITY WHATSOEVER 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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www.baxterwoodman.com

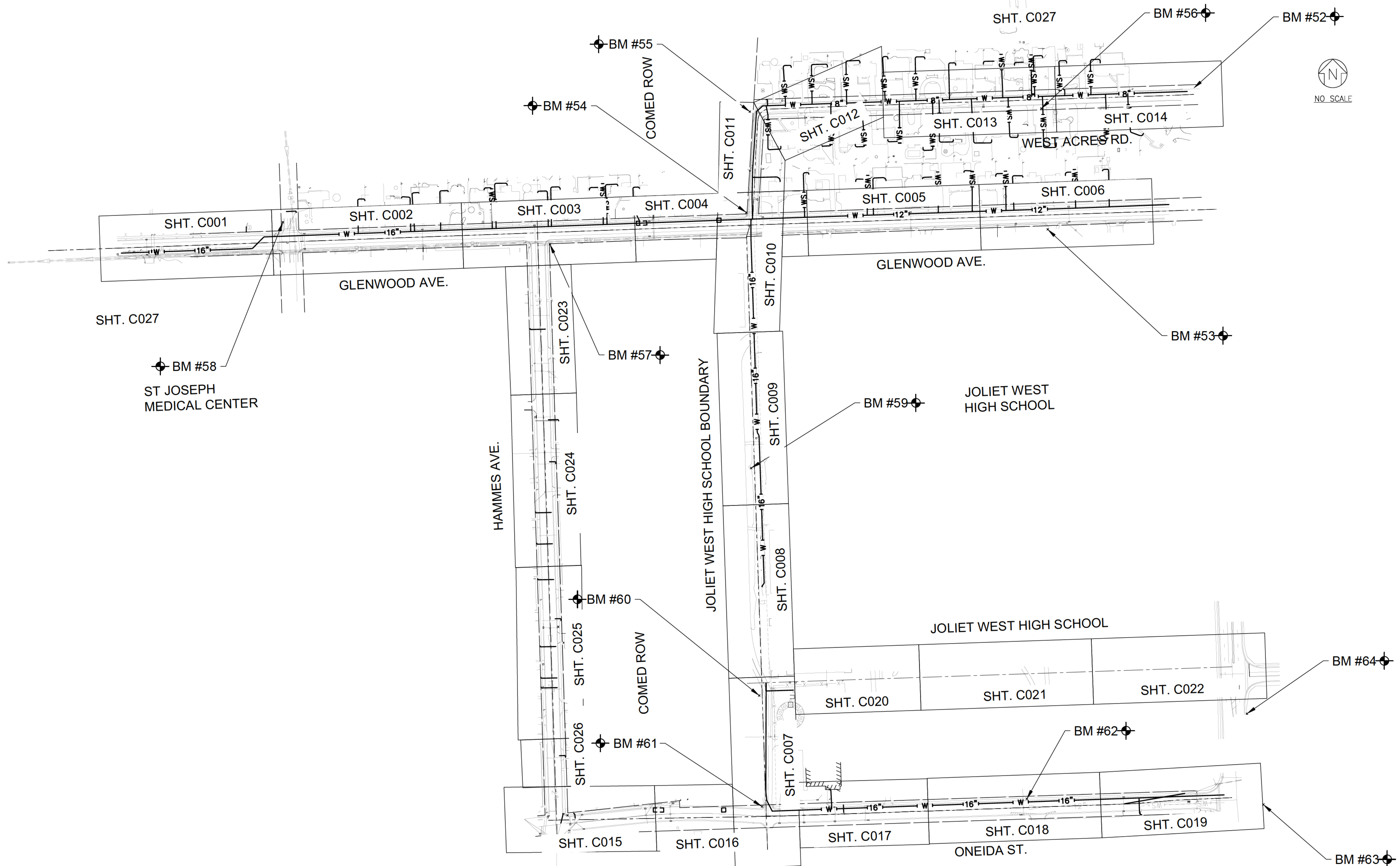
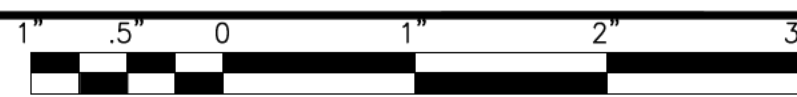


PROJECT MANAGER
"LICENSE EXPIRES 11-30-2027"



PROJECT ENGINEER
"LICENSE EXPIRES 11-30-2027"

BAXTER & WOODMAN, INC.
STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/2027



P:\JOLIC\2401619-2026 WATER MAIN REPLACEMENT PROGRAM\CAD\GLENWOOD - WEST ACRES\01_CIVIL_3D\01_SHTS-PLANS\2401619-GLENWOOD WEST ACRES SHEET KEY.DWG Sheet Key
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CONSULTANTS	REVISED -
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	REVISED -

CITY OF JOLIET, ILLINOIS
GLENWOOD AND WEST ACRES WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2930-0126

SHEET KEY	
SCALE: AS NOTED	PROJECT NO: 2401619.01

DESIGNED - EMK	TOTAL SHEETS	SHEET NO.
DRAWN -	52	G001
CHECKED - PMK		
DATE - 12/12/2025		

FINAL DESIGN FOR BIDDING

LEGEND

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

LEGEND

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

(HATCHED SHALL BE REMOVED)
 (HATCHED SHALL BE REMOVED)

BENCHMARKS (NAVD 88 DATUM)

B.M. # 52		NORTHEAST ARROW BOLT SET IN EAST FIRE HYDRANT LOCATED ON NORTHEAST CORNER OF LARKIN AVENUE AND WEST ACRES ROAD ELEV. = 655.264
B.M. # 53		CUT SQUARE SET IN WEST LIGHT SIGNAL LOCATED ON THE SOUTHWEST CORNER OF THE SECOND SCHOOL ENTRANCE WEST OF LARKIN AVENUE ELEV. = 650.27
B.M. # 54		MINI RAILROAD SPIKE SET IN SOUTHEAST POWER POLE LOCATED ON NORTHWEST CORNER OF GLENWOOD AVENUE AND BORDER DRIVE ELEV. = 648.768
B.M. # 55		MINI RAILROAD SPIKE SET IN EAST FACE OF POWER POLE LOCATED AT NORTHWEST CORNER OF WEST ACRES ROAD AND BORDER DRIVE ELEV. = 649.473
B.M. # 56		MINI RAILROAD SPIKE SET IN NORTH FACE OF POWER POLE W\ LIGHT LOCATED AT ADDRESS OF 1808 WEST ACRES AVENUE ELEV. = 657.661
B.M. # 57		MINI RAILROAD SPIKE SET IN NORTHWEST FACE OF POWER POLE W\ LIGHT LOCATED ON SOUTHEAST CORNER OF HAMMES AVENUE AND GLENWOOD AVENUE ELEV. = 644.067
B.M. # 58		NORTHWEST ARROW BOLT SET IN FIRE HYDRANT LOCATED AT NORTHWEST CORNER OF GLENWOOD AVENUE AND MADISON STREET ELEV. = 641.335
B.M. # 59		MINI RAILROAD SPIKE SET IN WEST FACE OF POWER POLE W\ LIGHT LOCATED AT NORTHWEST CORNER OF FOOTBALL FIELD NEAR THE POWER TOWER ELEV. = 654.64
B.M. # 60		NAIL SET IN SOUTHEAST FACE OF THIRD POWER POLE LOCATED NORTH OF ONEIDA STREET AT THE GATE TO HIGH SCHOOL PARKING ELEV. = 646.66
B.M. # 61		MINI RAILROAD SPIKE SET IN SOUTHEAST FACE OF POWER POLE W\ LIGHT LOCATED AT NORTHEAST CORNER OF SCHOOL PARKING ON ONEIDA STREET ELEV. = 644.029
B.M. # 62		MINI RAILROAD SPIKE SET IN SOUTH FACE OF THIRD POWER POLE LOCATED ON NORTH SIDE OF ONEIDA STREET WEST OF LARKIN AVENUE ELEV. = 645.889
B.M. # 63		CUT SQUARE SET IN THE NORTHEAST CORNER CABINET BASE LOCATED AT THE SOUTHEAST CORNER LARKIN AVENUE AND ONEIDA AVENUE ELEV. = 642.487
B.M. # 64		CUT SQUARE SET IN NORTHWEST CORNER OF LIGHT POLE LOCATED ON SOUTHEAST CORNER OF LARKIN AVENUE AND CAMPBELL STREET ELEV. = 643.637

ABBREVIATIONS

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

P:\JLIC\2401619-2026 WATER MAIN REPLACEMENT PROGRAM\CAD\GLENWOOD - WEST ACRES\01_CIVIL_3D\01_SHIFTS-PLANS\2401619-GLENWOOD WEST ACRES COVER.DWG LEGEND BENCHMARKS AND ABBREVIATIONS
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CONSULTANTS	REVISED -

CITY OF JOLIET, ILLINOIS
GLENWOOD AND WEST ACRES WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2930-0126

LEGEND BENCHMARKS AND ABBREVIATIONS

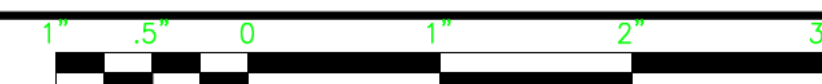
SCALE: AS NOTED PROJECT NO: 2401619.01

DESIGNED - EMK	TOTAL SHEETS	SHEET NO.
DRAWN - ABN	52	6002
CHECKED - PMK		
DATE - 12/12/2025		

FINAL DESIGN
FOR BIDDING

CITY OF JOLIET WATER SYSTEM GENERAL NOTES

SUMMARY OF QUANTITIES



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

LIMITS	PAVEMENT RESTORATION
BORDER DRIVE	2.5 INCHES HMA BINDER & 1.5 INCHES HMA SURFACE COURSE
WEST ACRES ROAD	4 INCHES HMA BINDER & 2 INCHES HMA SURFACE COURSE
HAMMES AVENUE	10 INCHES HMA BINDER & 2 INCHES HMA SURFACE COURSE
GLENWOOD AVENUE	10 INCHES HMA BINDER & 2 INCHES HMA SURFACE COURSE
ONEIDA STREET	CLASS C PATCH SPECIAL, 10 INCHES PCC BASE, 2 INCHES HMA SURFACE
LARKIN AVENUE	CLASS C PATCH SPECIAL, 10 INCHES PCC BASE, 2 INCHES HMA SURFACE

- 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.
- CONTRACTOR TO COMPLY WITH PROJECT MILESTONES AND REQUIREMENTS SPECIFIED IN SUPPLEMENTARY CONDITIONS AND SECTION 01 31 13.16
- 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.
- 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.
- CONTRACTOR SHALL DEWATER ALL EXCAVATIONS WITHIN COMED RIGHT-OF-WAY IN ACCORDANCE WITH THE PRACTICE STANDARDS OF THE ILLINOIS URBAN MANUAL (IUM). CONTRACTOR SHALL PROVIDE PROPOSED DEWATERING LOCATIONS TO COMED PRIOR TO ANY EXCAVATION TAKING PLACE ON COMED RIGHT-OF-WAY.
- REMOVAL OF SOIL OR WASTE FROM COMED RIGHT-OF-WAY MUST BE COMPLETED BY A COMED ENVIRONMENTAL CONTRACTOR OF CHOICE (ECOC) AND TAKEN TO A COMED-APPROVED LANDFILL. IT IS PROHIBITED TO DISPOSE OF ANY LIKE MATERIAL AT A CLEAN CONSTRUCTION AND DEMOLITION DEBRIS (CCDD) LANDFILL.

No.	PAY ITEM	UNIT	QUANTITY
1	TRAFFIC CONTROL AND PROTECTION, SPECIAL (LIMITED TO 5% OF SUM OF ALL OTHER PAY ITEMS)	LSUM	1
2	GRANULAR TRENCH BACKFILL	CUYD	6,000
3	TRENCH BACKFILL (SPECIAL)	CUYD	700
4	WATER MAIN (OPEN CUT), 6-INCH, DI	FOOT	410
5	WATER MAIN (OPEN CUT), 8-INCH	FOOT	1,538
6	WATER MAIN (OPEN CUT), 8-INCH, DI	FOOT	350
7	WATER MAIN (OPEN CUT), 10-INCH, DI	FOOT	26
8	WATER MAIN (OPEN CUT), 12-INCH, DI	FOOT	1,613
9	WATER MAIN (OPEN CUT), 14-INCH, DI	FOOT	8
10	WATER MAIN (OPEN CUT), 16-INCH, DI	FOOT	5,150
11	WATER MAIN IN 36-INCH JACKED CASING, 12-INCH	FOOT	203
12	WATER MAIN IN 36-INCH JACKED CASING, 16-INCH	FOOT	168
13	CASING PIPE (OPEN CUT), 24-INCH	FOOT	20
14	CASING PIPE (TUNNELING UNDER SEWER), 16-INCH	FOOT	44
15	CASING PIPE (TUNNELING UNDER SEWER), 24-INCH	FOOT	26
16	CASING PIPE (TUNNELING UNDER UTILITY), 24-INCH	FOOT	20
17	MISCELLANEOUS FITTINGS	POUND	12,000
18	CONNECT TO WATER MAIN (NON-PRESSURE), 6-INCH	EACH	6
19	CONNECT TO WATER MAIN (NON-PRESSURE), 8-INCH	EACH	7
20	CONNECT TO WATER MAIN (NON-PRESSURE), 10-INCH	EACH	1
21	CONNECT TO WATER MAIN (NON-PRESSURE), 12-INCH	EACH	1
22	CONNECT TO WATER MAIN (NON-PRESSURE), 16-INCH	EACH	1
23	CONNECT TO WATER MAIN (PRESSURE), 14-INCH X 14-INCH	EACH	1
24	GATE VALVE, 6-INCH	EACH	6
25	GATE VALVE, 8-INCH	EACH	5
26	GATE VALVE, 12-INCH	EACH	2
27	BUTTERFLY VALVE, 16-INCH	EACH	11
28	VALVE BOX	EACH	8
29	VALVE VAULT, 4-FOOT DIAMETER	EACH	3
30	VALVE VAULT, 5-FOOT DIAMETER	EACH	14
31	VALVE VAULT (ADDITIONAL DEPTH), 4-FOOT DIAMETER	VFT	5
32	VALVE VAULT (ADDITIONAL DEPTH), 5-FOOT DIAMETER	VFT	5
33	FIRE HYDRANT	EACH	25
34	FIRE HYDRANT BARREL EXTENSION	VFT	5
35	LINE STOP, 6-INCH	EACH	1
36	LINE STOP, 8-INCH	EACH	1
37	LINE STOP, 10-INCH	EACH	1
38	LINE STOP, 16-INCH	EACH	1
39	SANITARY SEWER REMOVAL AND REPLACEMENT, 8-INCH	FOOT	22
40	STORM SEWER REMOVAL AND REPLACEMENT, 10-INCH	FOOT	27
41	STORM SEWER REMOVAL AND REPLACEMENT, 18-INCH	FOOT	177
42	FILLING OF EXISTING PIPE FOR ABANDONMENT	CUYD	10
43	WATER MAIN REMOVAL, 8-INCH	FOOT	139
44	WATER MAIN REMOVAL, 16-INCH	FOOT	160
45	ABANDONMENT OF EXISTING WATER MAINS AND APPURTENANCES	LSUM	1
46	WATER METER VAULT	LSUM	1
47	WATER SERVICE CONNECTION TO WATER MAIN AND CURB STOP, 1-INCH	EACH	50
48	WATER SERVICE CONNECTION TO WATER MAIN AND CURB STOP, 1.5-INCH	EACH	3
49	WATER SERVICE CONNECTION TO WATER MAIN AND CURB STOP, 2-INCH	EACH	5
50	WATER SERVICE CONNECTION TO WATER MAIN AND CURB STOP, 3-INCH	EACH	2
51	WATER SERVICE LINE TYPE K - OPEN CUT, 1-INCH	FOOT	505
52	WATER SERVICE LINE TYPE K - OPEN CUT, 1.5-INCH	FOOT	50
53	WATER SERVICE LINE TYPE K - OPEN CUT, 2-INCH	FOOT	100
54	WATER SERVICE LINE TYPE K - OPEN CUT, 3-INCH	FOOT	10
55	WATER SERVICE LINE TYPE K - DIRECTIONAL DRILLING, 1-INCH	FOOT	6,642
56	WATER SERVICE LINE TYPE K - DIRECTIONAL DRILLING, 1.5-INCH	FOOT	25
57	WATER SERVICE LINE TYPE K - DIRECTIONAL DRILLING, 2-INCH	FOOT	165
58	WATER SERVICE LINE TYPE K - DIRECTIONAL DRILLING, 3-INCH	FOOT	125
59	WATER SERVICE LINE TYPE L, 3/4-INCH	FOOT	25
60	WATER SERVICE LINE TYPE L, 1-INCH	FOOT	225
61	WATER SERVICE LINE TYPE L, 1.5-INCH	FOOT	25
62	WATER SERVICE CASING PIPE	FOOT	520
63	PROJECT MANAGEMENT - PRIVATE PROPERTY	HOURL	135

64	UTILITY LOCATION - PRIVATE PROPERTY	EACH	45
65	SHRUB AND BRUSH DISPOSAL	EACH	90
66	FENCE TO BE REMOVED AND RE-ERECTED	FOOT	450
67	CRIMP WATER SERVICE	EACH	45
66	WATER SERVICE CONNECTION ON PRIVATE PROPERTY - BASEMENT OR CRAWL SPACE	EACH	41
67	WATER SERVICE CONNECTION ON PRIVATE PROPERTY - SLAB	EACH	4
68	WATER METER RELOCATION	EACH	41
69	WATER METER REPLACEMENT	EACH	4
72	REMOVE AND REPLACE DRAIN TILES, 6-INCH THROUGH 12-INCH	FOOT	260
73	ADJUSTING SANITARY SEWER SERVICE LINE	EACH	12
74	EXPLORATORY EXCAVATION	EACH	10
75	INLET PROTECTION FILTER	EACH	66
76	RESTORATION OF LAWNS AND PARKWAYS	SQYD	1,500
77	TEMPORARY HOT-MIX ASPHALT PAVEMENT	SQYD	1,050
78	CLASS C PATCH SPECIAL, 10-INCH PCC BASE 2-INCH HMA SURFACE	SQYD	150
79	HOT-MIX ASPHALT REMOVAL AND REPLACEMENT, 10-INCH BINDER 2-INCH SURFACE	SQYD	4,400
80	HOT-MIX ASPHALT REMOVAL AND REPLACEMENT, 4-INCH BINDER 2-INCH SURFACE	SQYD	3,030
81	HOT-MIX ASPHALT REMOVAL AND REPLACEMENT, 2.5-INCH BINDER 1.5-INCH SURFACE	SQYD	1,500
82	HOT-MIX ASPHALT SURFACE MILL AND OVERLAY OVER PATCHES, 2-INCH	SQYD	400
83	HOT-MIX ASPHALT DRIVEWAY REMOVAL AND REPLACEMENT, 3-INCH	SQYD	100
84	PCC DRIVEWAY REMOVAL AND REPLACEMENT, 6-INCH	SQYD	100
85	PCC DRIVEWAY REMOVAL AND REPLACEMENT, 8-INCH	SQYD	150
86	BRICK PATIO REMOVAL AND REPLACEMENT	SQFT	200
87	PCC PATIO REMOVAL AND REPLACEMENT	SQFT	600
88	HOT-MIX ASPHALT PATIO REMOVAL AND REPLACEMENT	SQFT	150
89	CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	1,200
90	PCC SIDEWALK REMOVAL AND REPLACEMENT	SQFT	3,700
91	DETECTABLE WARNINGS	SQFT	30
92	PAVEMENT MARKING - LINE, 4-INCH (THERMOPLASTIC)	FOOT	520
93	PAVEMENT MARKING - LINE, 6-INCH (THERMOPLASTIC)	FOOT	880
94	PAVEMENT MARKING - LINE, 12-INCH (THERMOPLASTIC)	FOOT	600
95	PAVEMENT MARKING - LINE, 24-INCH (THERMOPLASTIC)	FOOT	130
96	SHORT TERM PAVEMENT MARKING REMOVAL	SQFT	5,685
97	TEMPORARY PAVEMENT MARKING TAPE - LINE 4" - TYPE IV TAPE	FOOT	16,575
98	TEMPORARY PAVEMENT MARKING TAPE - LINE 24" - TYPE IV TAPE	FOOT	80
99	PAVEMENT MARKING REMOVAL, WATER BLASTING	SQFT	5,081
100	TEMPORARY CONCRETE BARRIER	FOOT	375
101	PINNING TEMPORARY CONCRETE BARRIER	FOOT	210
102	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	575
103	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE), TEST LEVEL 2	EACH	1
104	IMPACT ATTENUATORS, TEMPORARY, RELOCATE (FULLY REDIRECTIVE), TEST LEVEL 2	EACH	2
105	BARRIER WALL REFLECTORS, TYPE C	EACH	76
106	RAISED REFLECTIVE PAVEMENT MARKER	EACH	5
107	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
108	REMOVE TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
109	TEMPORARY INFORMATION SIGNING	SQFT	13
110	CHANGEABLE MESSAGE SIGN	CAL MO	38
111	REMOVAL AND REPLACEMENT OF SIGNS	EACH	13
112	TREE ROOT PRUNING	EACH	51
113	TREE TRIMMING	LSUM	1
114	DUST CONTROL	DAY	65
115	ROCK EXCAVATION	CUYD	50
116	REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL	CUYD	140
117	SOIL TESTS FOR CONTAMINANTS	EACH	10
118	CONTAMINATED WASTE DISPOSAL	CUYD	5,200

P:\JOLTC\2401619-2026 WATER MAIN REPLACEMENT PROGRAM\CAD\GLENWOOD - WEST ACRES\01_CIVIL_3D\01_SHIFTS-PLANS\2401619-GLENWOOD WEST ACRES COVER.DWG GEN NOTES
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CITY OF JOLIET, ILLINOIS
GLENWOOD AND WEST ACRES WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2930-0126

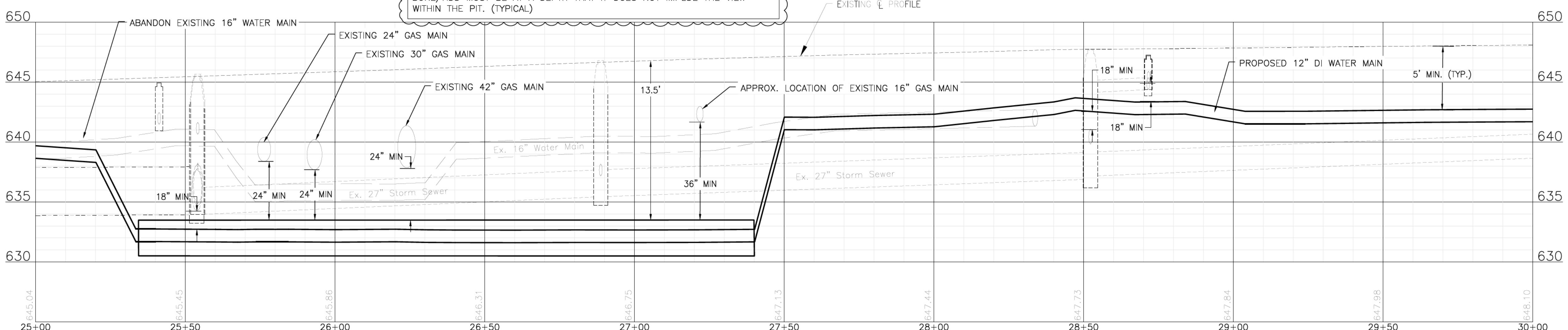
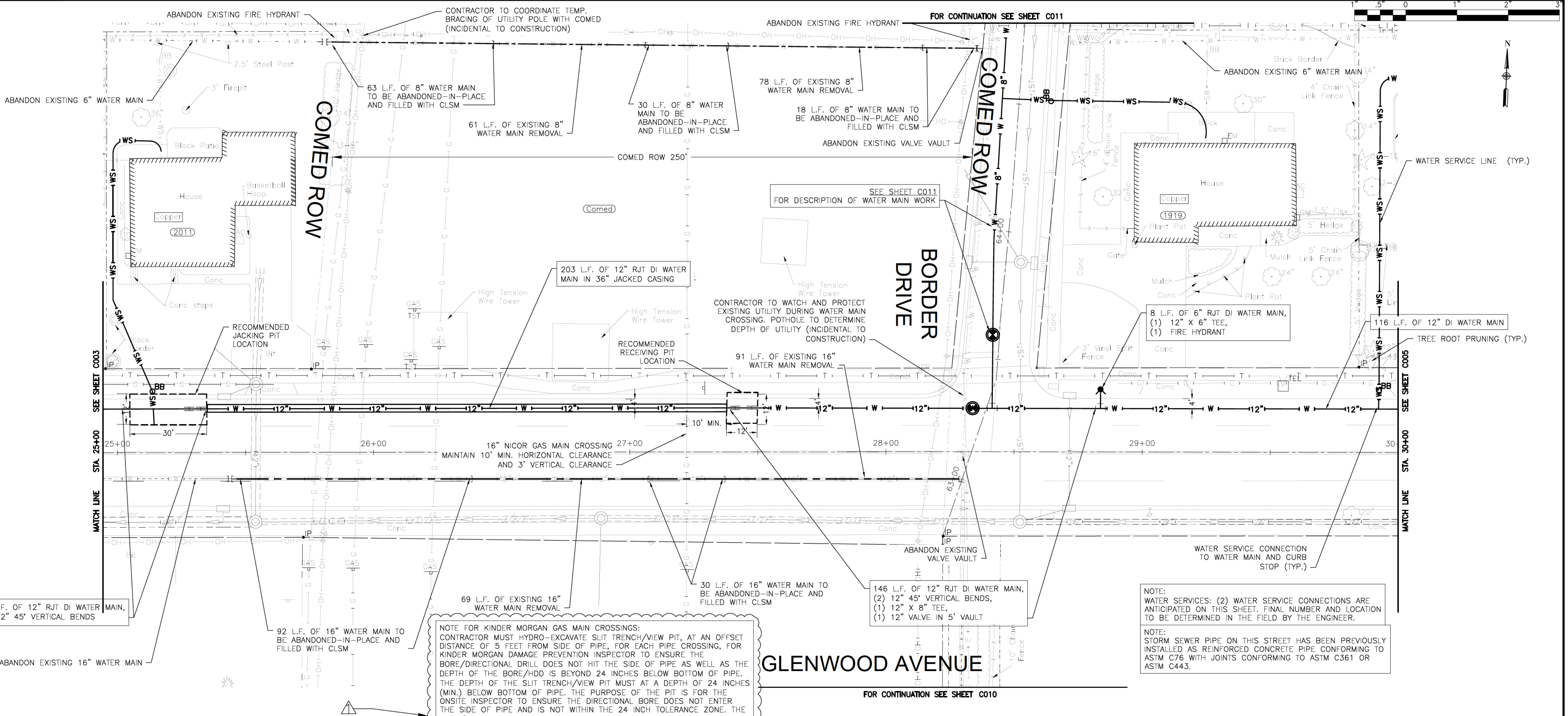
GENERAL NOTES AND SUMMARY OF QUANTITIES

SCALE: AS NOTED PROJECT NO: 2401619.01

DESIGNED - EMK	TOTAL SHEETS	SHEET NO.
DRAWN -	52	6003
CHECKED - PMK		
DATE - 12/12/2025		

FINAL DESIGN FOR BIDDING

P:\JOLIC\2401619-2026 WATER MAIN REPLACEMENT PROGRAM\GLENWOOD - WEST ACRES\01_CIVIL_3D\01_SHIFTS-PLANS\2401619-GLENWOOD WEST ACRES PNP.DWG 25+00.00
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NOTE FOR KINDER MORGAN GAS MAIN CROSSINGS:
 CONTRACTOR MUST HYDRO-EXCAVATE SLIT TRENCH/VIEW PIT, AT AN OFFSET DISTANCE OF 5 FEET FROM SIDE OF PIPE, FOR EACH PIPE CROSSING, FOR KINDER MORGAN DAMAGE PREVENTION INSPECTOR TO ENSURE THE BORE/DIRECTIONAL DRILL DOES NOT HIT THE SIDE OF PIPE AS WELL AS THE DEPTH OF THE BORE/HDD IS BEYOND 24 INCHES BELOW BOTTOM OF PIPE. THE DEPTH OF THE SLIT TRENCH/VIEW PIT MUST AT A DEPTH OF 24 INCHES (MIN.) BELOW BOTTOM OF PIPE. THE PURPOSE OF THE PIT IS FOR THE ON-SITE INSPECTOR TO ENSURE THE DIRECTIONAL BORE DOES NOT ENTER THE SIDE OF PIPE AND IS NOT WITHIN THE 24 INCH TOLERANCE ZONE. THE BORE/HDD MUST BE AT A DEPTH THAT IT DOES NOT IMPEDE THE VIEW WITHIN THE PIT. (TYPICAL)

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

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



CONSULTANTS	REVISIONS
	REVISION #1 ADDENDUM #1 12/22/25
	REVISION #2
	REVISION #3
	REVISION #4

**CITY OF JOLIET, ILLINOIS
 GLENWOOD AND WEST ACRES WATER MAIN IMPROVEMENTS
 CITY OF JOLIET CONTRACT NO. 2930-0126**

GLENWOOD AVE STA 25+00 TO STA 30+00 PLAN AND PROFILE		DESIGNED - EMK	TOTAL SHEETS	SHEET NO.
SCALE: HORIZ 1"=20' / VERT 1"=5'	PROJECT NO: 2401619.01	DRAWN - ABN	52	C004
		CHECKED - PMK		
		DATE - 12/12/2025		

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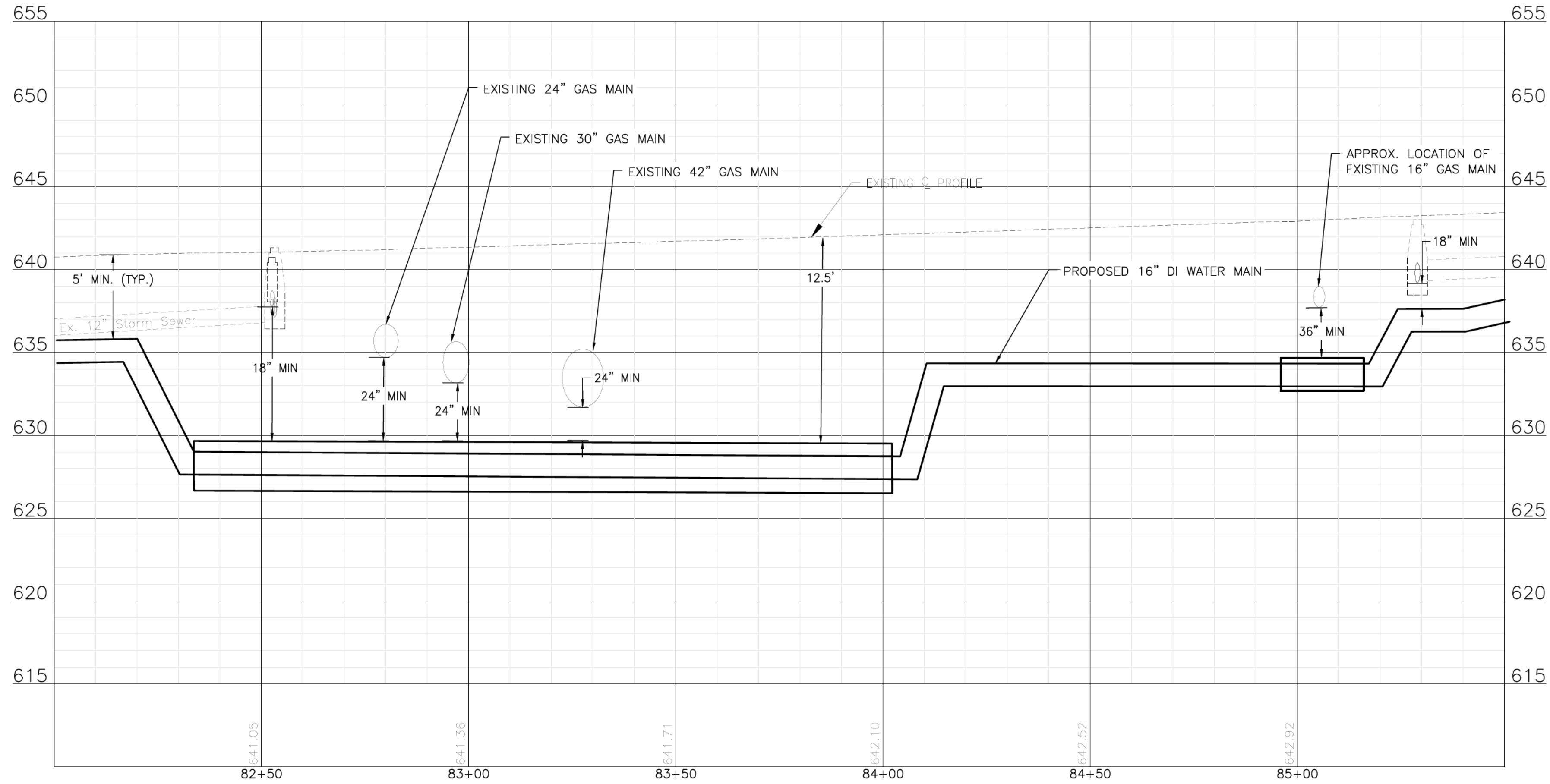
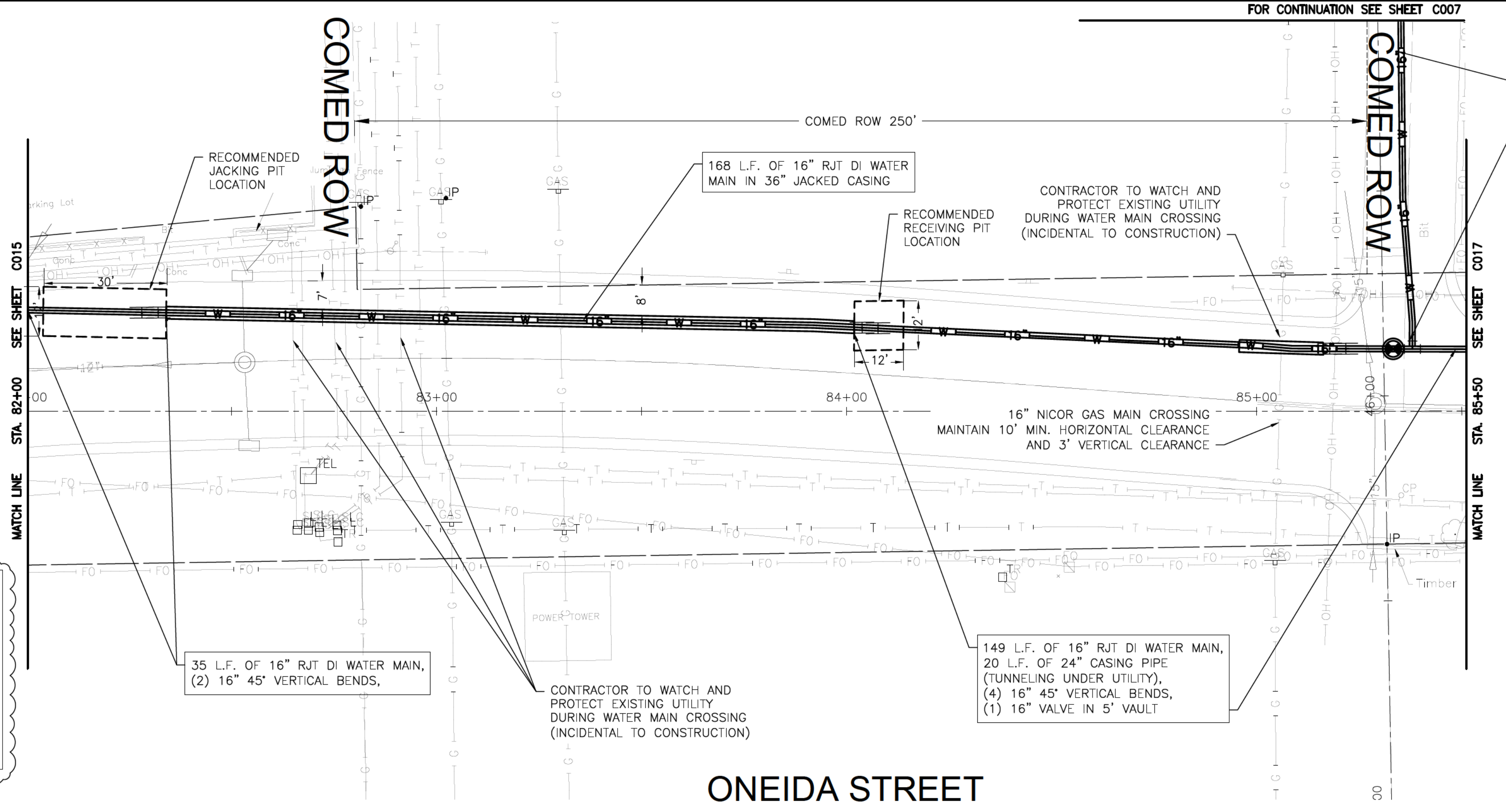
NOTE:
 CONTRACTOR TO MAINTAIN ACCESS TO
 PARKING LOT DURING CONSTRUCTION.

SEE SHEET C007
 FOR DESCRIPTION OF WATER MAIN WORK

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

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

NOTE FOR KINDER MORGAN GAS MAIN CROSSINGS:
 CONTRACTOR MUST HYDRO-EXCAVATE SLIT TRENCH/VIEW PIT, AT AN
 OFFSET DISTANCE OF 5 FEET FROM SIDE OF PIPE, FOR EACH PIPE
 CROSSING, FOR KINDER MORGAN DAMAGE PREVENTION INSPECTOR TO
 ENSURE THE BORE/DIRECTIONAL DRILL DOES NOT HIT THE SIDE OF
 PIPE AS WELL AS THE DEPTH OF THE BORE/HDD IS BEYOND 24
 INCHES BELOW BOTTOM OF PIPE. THE DEPTH OF THE SLIT
 TRENCH/VIEW PIT MUST AT A DEPTH OF 24 INCHES (MIN.) BELOW
 BOTTOM OF PIPE. THE PURPOSE OF THE PIT IS FOR THE ONSITE
 INSPECTOR TO ENSURE THE DIRECTIONAL BORE DOES NOT ENTER THE
 SIDE OF PIPE AND IS NOT WITHIN THE 24 INCH TOLERANCE ZONE.
 THE BORE/HDD MUST BE AT A DEPTH THAT IT DOES NOT IMPEDE
 THE VIEW WITHIN THE PIT. (TYPICAL)



CONSULTANTS	REVISED - Δ ADDENDUM #1 12/22/25
	REVISED -
	REVISED -
	REVISED -

CITY OF JOLIET, ILLINOIS
GLENWOOD AND WEST ACRES WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2930-0126

ONEIDA STREET STA 82+00 TO STA 85+50 PLAN AND PROFILE

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

PROJECT NO: 2401619.01

DESIGNED - EMK	TOTAL SHEETS	SHEET NO.
DRAWN - ABN	52	C016
CHECKED - PMK		
DATE - 12/12/2025		

FINAL DESIGN
 FOR BIDDING



Guidelines for Design and Construction near Kinder Morgan Operated Facilities

Name of Company: NATURAL GAS PIPELINE COMPANY OF AMERICA LLC (NGPL)

The list of design, construction and contractor requirements, including but not limited to the following, for the design and installation of foreign utilities or improvements on NGPL (Company) right-of-way (ROW) are not intended nor do they waive or modify any rights Company may have under existing easements or ROW agreements. Reference existing easements and amendments for additional requirements. This list of requirements is applicable for Company facilities on easements only. Encroachments on fee property should be referred to the Land and Right-of-Way Department.

Design

- Company shall be provided sufficient prior notice of planned activities involving excavation, blasting, or any type of construction on Company's ROW to determine and resolve any location, grade or encroachment problems and provide protection of our facilities and the public before the actual work is to take place.
- Encroaching entity shall provide Company with a set of drawings for review and a set of final construction drawings showing all aspects of the proposed facilities in the vicinity of Company's ROW. The encroaching entity shall also provide a set of as-built drawings showing the proposed facilities in the vicinity of Company's ROW.
- Only facilities shown on drawings reviewed by Company will be approved for installation on Company's ROW. All drawing revisions that effect facilities proposed to be placed on Company's ROW must be approved by Company in writing.
- Company shall approve the design of all permanent road crossings.
- Encroaching entity shall, at the discretion of the Company, incorporate Heath ATI "sniffer" Gas Detection Units in the design of paved areas or "Green Belt" areas of Company ROW. The units shall be installed per Company Standard [TYP-V-0100-B010 – Gas Detection Unit for Pipelines Located under Asphalt or Concrete Parking Areas.](#)
- Any repair to surface facilities following future pipeline maintenance or repair work by Company will be at the expense of the developer or landowner.
- The depth of cover over the Company pipelines shall not be reduced nor drainage altered without Company's written approval.
- Construction of any permanent structure, building(s) or obstructions within Company pipeline easement is not permitted.
- Planting of shrubs and trees is not permitted on Company pipeline easement.
- Irrigation equipment i.e. backflow prevent devices, meters, valves, valve boxes, etc. shall not be located on Company easement.
- Foreign line, gas, water, electric and sewer lines, etc., may cross perpendicular to Company's pipeline within the ROW, provided that a minimum of two (2) feet of vertical clearance is maintained between Company pipeline(s) and the foreign pipeline. Constant line elevations must be maintained across Company's entire ROW width, gravity drain lines are the only exception. Foreign line crossings below the Company pipeline must be evaluated by Company to ensure that a significant length of the Company line is not exposed and unsupported during construction. When installing underground utilities, the last line should be placed beneath all existing lines unless it is impractical or unreasonable to do so. Foreign line crossings above the Company pipeline with less than two (2) feet of clearance must be evaluated by Company to ensure that additional support is not necessary to prevent settling on top of the Company natural gas pipeline.
- A foreign pipeline shall cross Company facilities at as near a ninety-degree angle as possible. A foreign pipeline shall not run parallel to Company pipeline within Company easement without written permission of Company.
- The foreign utility should be advised that Company maintains cathodic protection on their pipelines. The foreign utility must coordinate their cathodic protection system with Company's. At the request of Company, foreign utilities shall install (or allow to be installed) cathodic protection test leads at all crossings for the purposes of monitoring cathodic protection. The Company Cathodic Protection (CP) technician and the foreign utility CP technician shall perform post construction CP interference testing. Interference issues shall be resolved by mutual agreement between foreign utility and Company. All costs associated with the correction of cathodic protection problems on Company pipeline as a result of the foreign utility crossing shall be borne by the foreign utility for a period of one year from date the foreign utility is put in service.



Guidelines for Design and Construction near Kinder Morgan Operated Facilities

- The metallic foreign line shall be coated with a suitable pipe coating for a distance of at least 10-feet on either side of the crossing unless otherwise requested by the Company CP Technician.
- AC Electrical lines must be installed in conduit and properly insulated.
- DOT approved pipeline markers shall be installed so as to indicate the route of the foreign pipeline across the Company ROW.
- No power poles, light standards, etc. shall be installed on Company easement.

Construction

- Contractors shall be advised of Company's requirements and be contractually obligated to comply.
- The continued integrity of Company's pipelines and the safety of all individuals in the area of proposed work near Company's facilities are of the utmost importance. Therefore, contractor must meet with Company representatives prior to construction to provide and receive notification listings for appropriate area operations and emergency personnel. **Company's on-site representative will require discontinuation of any work that, in his opinion, endangers the operations or safety of personnel, pipelines or facilities.**
- The Contractor must expose all Company transmission and distribution lines prior to crossing to determine the exact alignment and depth of the lines. A Company representative must be present. In the event of parallel lines, only one pipeline can be exposed at a time.
- Company will not allow pipelines to remain exposed overnight without consent of Company designated representative. Contractor may be required to backfill pipelines at the end of each day.
- A Company representative shall do all line locating. A Company representative shall be present for hydraulic excavation. The use of probing rods for pipeline locating shall be performed by Company representatives only, to prevent unnecessary damage to the pipeline coating.
- Notification shall be given to Company at least 72 hours before start of construction. A schedule of activities for the duration of the project must be made available at that time to facilitate the scheduling of Company's work site representative. Any Contractor schedule changes shall be provided to Company immediately.
- Heavy equipment will not be allowed to operate directly over Company pipelines or in Company ROW unless written approval is obtained from Company. Heavy equipment shall only be allowed to cross Company pipelines at locations designated by Company. Contractor shall comply with all precautionary measures required by Company to protect its pipelines. When inclement weather exists, provisions must be made to compensate for soil displacement due to subsidence of tires.
- Excavating or grading which might result in erosion or which could render the Company ROW inaccessible shall not be permitted unless the contractor/developer/owner agrees to restore the area to its original condition and provide protection to Company's facility.
- A Company representative shall be on-site to monitor any construction activities within 25-feet of a Company pipeline or aboveground appurtenance. The contractor **shall not** work within this distance without a Company representative being on site. Only hand excavation shall be permitted within a minimum of 18-inches (refer to state specific rules/regulations regarding any additional clearance requirements) of Company pipelines, valves and fittings. However, proceed with extreme caution when within three (3) feet of the pipe.
- Ripping is only allowed when the position of the pipe is known and not within 10-feet of Company facility unless Company representative is present.
- Temporary support of any exposed Company pipeline by Contractor may be necessary if required by Company's on-site representative. Backfill below the exposed lines and 12-inches above the lines shall be replaced with sand or other selected material as approved by Company's on-site representative and thoroughly compacted in 12-inches lifts to 95% of standard proctor dry density minimum or as approved by Company's on-site representative. This is to adequately protect against stresses that may be caused by the settling of the pipeline.



Guidelines for Design and Construction near Kinder Morgan Operated Facilities

- No blasting shall be allowed within 1000-feet of Company's facilities unless blasting notification is given to Company including complete Blasting Plan Data. A pre-blast meeting shall be conducted by the organization responsible for blasting.

Company shall be indemnified and held harmless from any loss, cost of liability for personal injuries received, death caused or property damage suffered or sustained by any person resulting from any blasting operations undertaken within 500-feet of its facilities. The organization responsible for blasting shall be liable for any and all damages caused to Company's facilities as a result of their activities whether or not Company representatives are present. Company shall have a signed and executed Blasting Indemnification Agreement before authorized permission to blast can be given.

No blasting shall be allowed within 300-feet of Company's facilities unless blasting notification is given to Company a minimum of one week before blasting. (*Note: covered above*) Company shall review and analyze the blasting methods. A written blasting plan shall be provided by the organization responsible for blasting and agreed to in writing by Company in addition to meeting requirements for 500-feet and 1000-feet being met above. A written emergency plan shall be provided by the organization responsible for blasting. (*Note: covered above*)

- **Any** contact with any Company facility, pipeline, valve set, etc. shall be reported immediately to Company. If repairs to the pipe are necessary, they will be made and inspected before the section is re-coated and the line is back-filled.
- Company personnel shall install all test leads on Company facilities.
- Burning of trash, brush, etc. is not permitted within the Company ROW.