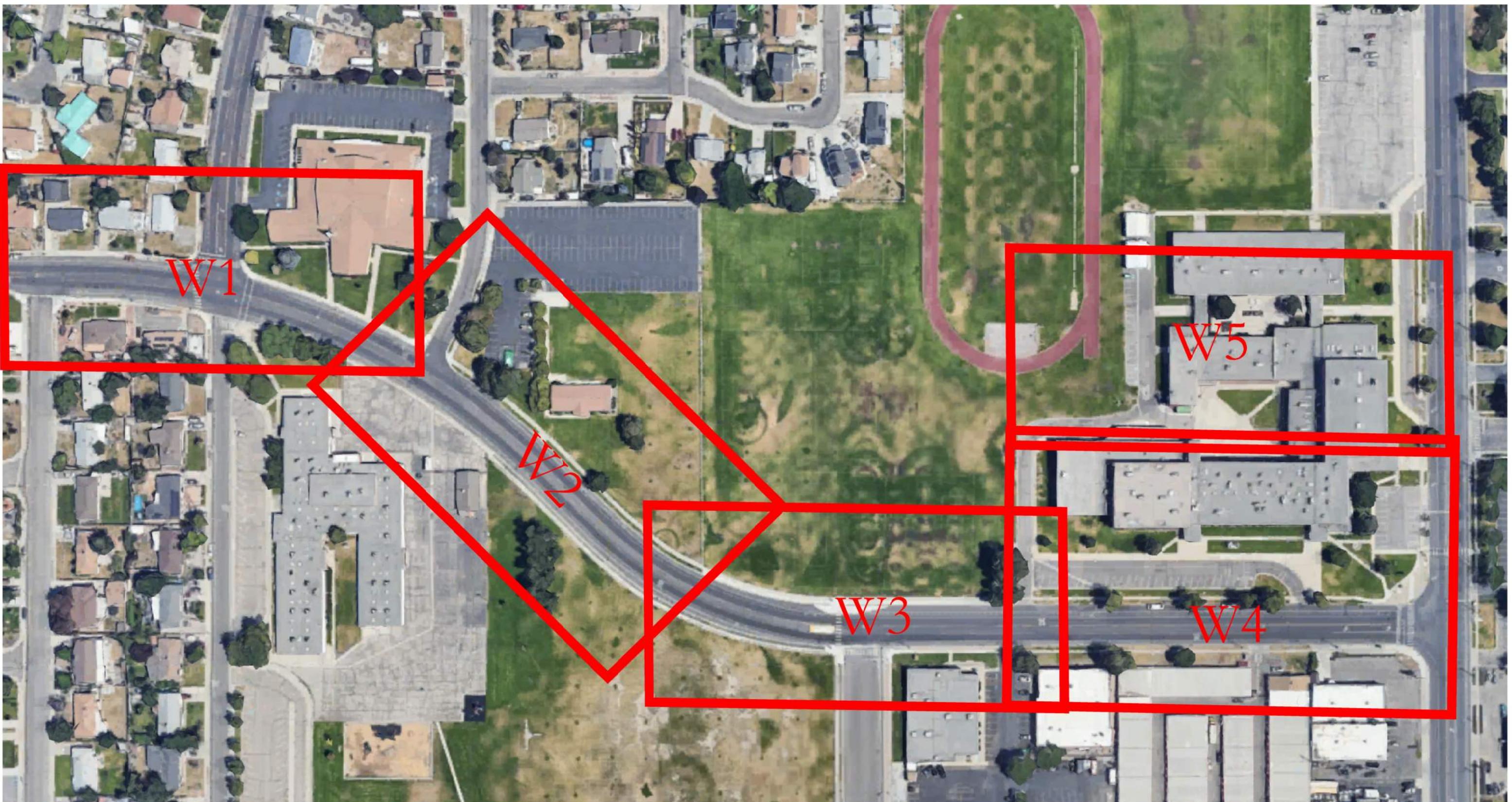


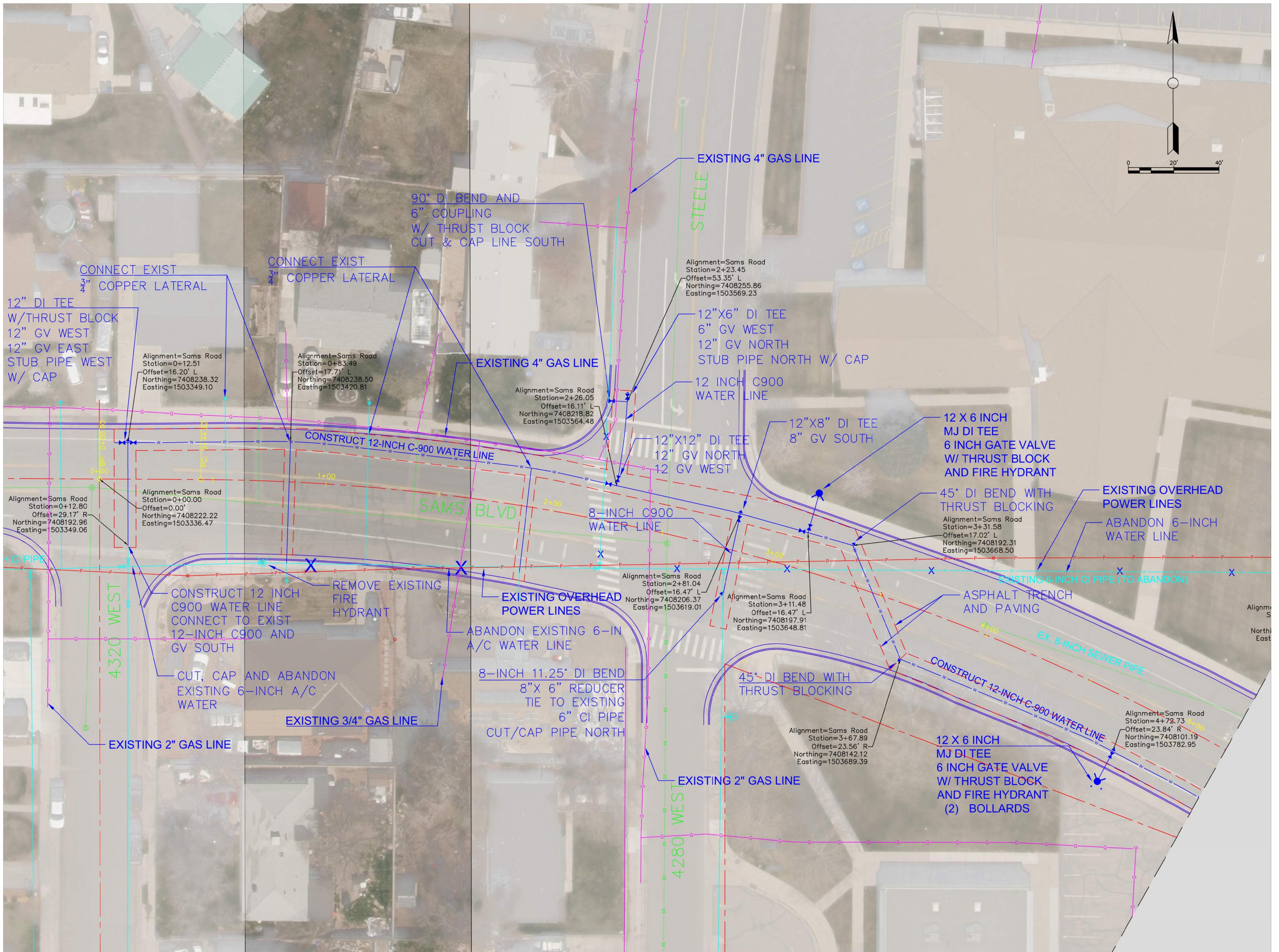
GENERAL NOTES

- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM CONSTRUCTION ACTIVITIES FOR THE CONTRACT DOCUMENTS. ANY ADDITIONS, DELETIONS, OR MODIFICATIONS SHALL FIRST MEET WITH THE WRITTEN APPROVAL OF THE ENGINEER AND THE OWNER.
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND COMPLY WITH ALL REQUIREMENTS OF GOVERNING AGENCIES.
- THE CONTRACTOR SHALL PREPARE AND SUBMIT TRAFFIC CONTROL PLANS FOR REVIEW AND APPROVAL BY SALT LAKE COUNTY. WORK WILL NOT BEGIN UNTIL THE PLANS HAVE BEEN APPROVED AND THE CONTRACTOR HAS OBTAINED A PERMIT.
- THE CONTRACTOR SHALL KEEP ALL CONSTRUCTION ACTIVITIES WITHIN THE ESTABLISHED RIGHTS-OF-WAY AND EASEMENTS. THIS SHALL INCLUDE BUT NOT BE LIMITED TO, VEHICLES AND EQUIPMENT, LIMITS OF TEMPORARY EXCAVATION, AND EXCAVATED MATERIAL AND BACKFILL STORAGE. IF THE CONTRACTOR REQUIRES ADDITIONAL CONSTRUCTION EASEMENTS, IT SHALL BE SOLELY THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN SUCH EASEMENTS FROM INDIVIDUAL PROPERTY OWNERS.
- EXISTING UTILITIES SHOWN ON THE PLANS ARE BASED ON A RECORDS SEARCH BY LOCAL CONTROLLING AGENCIES AND ARE APPROXIMATELY LOCATED. EXISTING UTILITIES ARE SHOWN FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF AND PRESERVING ALL UTILITIES INCLUDING THOSE NOT SHOWN OR INCORRECTLY SHOWN ON THE PLANS. CONTRACTOR SHALL NOTIFY UTILITY COMPANIES TWO (2) WEEKS IN ADVANCE OF UTILITY CONFLICTS REQUIRING RELOCATION OF MAIN LINES, AND ONE (1) WEEK IN ADVANCE OF CONFLICTS REQUIRING RELOCATION OF SERVICE LATERALS.
- THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING IMPROVEMENTS FROM DAMAGE WHICH ARE TO REMAIN IN PLACE. ALL SUCH IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR RECONSTRUCTED TO ORIGINAL OR BETTER CONDITION TO THE SATISFACTION OF THE OWNER AT THE EXPENSE OF THE CONTRACTOR.
- THE CONTRACTOR IS RESPONSIBLE FOR LOCATING SERVICE LINES FOR GAS, SEWER, WATER, AND OTHER UTILITIES AND REPAIRING DAMAGE TO SUCH LINES AS A RESULT OF THE CONTRACTOR'S OPERATIONS. SERVICE CONNECTIONS FOR UTILITIES NOT SHOWN ON THE DRAWINGS TRENCH SUPPORTS AND Dewatering SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONFORMANCE WITH LOCAL AND FEDERAL CODES GOVERNING SHORING AND BRACING OF EXCAVATIONS AND TRENCHES. CONTRACTOR IS RESPONSIBLE FOR THE SAFETY OF THE PUBLIC AND PROTECTION OF PERSONNEL AND WORKERS.
- IF THE CONTRACTOR CHOOSES TO WORK ON THE PROJECT WHEN THE HOT MIX ASPHALT IS NOT AVAILABLE, THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE GOVERNING AGENCY PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL FURNISH AND INSTALL TEMPORARY ASPHALT SURFACING MATERIAL. WHEN HOT MIX ASPHALT BECOMES AVAILABLE, THE CONTRACTOR SHALL REMOVE THE TEMPORARY ASPHALT, FURNISH, AND INSTALL THE HOT MIX ASPHALT AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR SHALL NOT DESTROY, REMOVE, OR DISTURB ANY EXISTING SURVEY MONUMENTS WITHOUT AUTHORIZATION OF CONTROLLING AGENCY. NO PAVEMENT CUTTING OR REMOVAL SHALL BEGIN UNTIL ALL SURVEY MARKERS OR MONUMENT POINTS THAT HAVE THE POTENTIAL OF BEING DISTURBED BY CONSTRUCTION OPERATIONS HAVE BEEN PROPERLY REFERENCED BY A REGISTERED LAND SURVEYOR. ALL SURVEY MONUMENTS OR POINTS DISTURBED BY THE CONTRACTOR SHALL BE ACCURATELY RESET BY A REGISTERED LAND SURVEYOR AFTER ALL RESTORATION AND RESURFACING HAS BEEN COMPLETED.
- NEW HYDRANTS INSTALLED IN CONJUNCTION WITH THE PROJECT SHALL BE BAGGED UNTIL THE NEW PIPELINE IS IN SERVICE.
- CONTRACTOR SHALL SUBMIT TO THE ENGINEER FOR REVIEW A CONSTRUCTION SEQUENCING PLAN DETAILING PROPOSED PHASING AND CONNECTION PROCEDURES INCLUDING HYDRANTS AND SERVICE CONNECTIONS. THE CONTRACTOR IS RESPONSIBLE FOR MATERIALS, EQUIPMENT, AND LABOR TO ACCOMPLISH HYDRANT AND SERVICE LATERAL REPLACEMENT AND CONNECTIONS.
- THE CONTRACTOR SHALL PROVIDE AND DISTRIBUTE A PREWRITTEN NOTICE OF CONSTRUCTION ACTIVITIES TO ALL RESIDENTS AND BUSINESSES LOCATED IN THE CONSTRUCTION AREA AT LEAST 48 HOURS PRIOR TO CONSTRUCTION. WRITTEN NOTICE SHALL BE APPROVED BY THE ENGINEER PRIOR TO DISTRIBUTION.
- CONTRACTOR SHALL PROVIDE AND UPDATE A CONSTRUCTION SCHEDULE IN ACCORDANCE WITH SPECIFICATIONS FOR WORKING IN THE PUBLIC WAY PRIOR TO CONSTRUCTION.
- CONTRACTOR TO VERIFY DEPTHS OF UTILITIES IN THE FIELD BY POK HAVING A MINIMUM OF 400 FEET AHEAD OF PIPELINE CONSTRUCTION TO AVOID CONFLICTS WITH DESIGNED PIPELINE GRADE AND ALIGNMENT. IF A CONFLICT ARISES, THE CONTRACTOR SHALL RESOLVE THE CONFLICT WITHOUT ADDITIONAL COST OR CLAIM TO THE OWNER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY SETTLEMENT OF EXCAVATIONS, AND ANY DAMAGE OF UTILITIES RESULTING FROM SETTLEMENT.
- LAY PIPE TO DEPTH AND ALONG HORIZONTAL ALIGNMENT AS DEFINED IN THESE DRAWINGS. CONTRACTOR SHALL NOT DEVIATE FROM PROPOSED ALIGNMENT OR GRADE WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER.
- ABANDONING EXISTING WATERLINE: REMOVE ABANDONED PIPE WHERE UNCOVERED OR DISTURBED BY CONSTRUCTION. WHERE NOT DISTURBED, CONTRACTOR MAY ABANDON EXISTING WATER MAIN IN PLACE AFTER THE NEW MAIN IS IN FULL SERVICE. IN THE EDOT RIGHT-OF-WAY, ABANDONED LINES SHALL BE CAPPED ON EACH END. CAP ENDS OF ABANDONED MAIN WITH DI MI CAP. ALL WATER MAINS THAT ARE LONGER IN SERVICE ARE TO BE DISCONNECTED COMPLETELY FROM THE WORKING SYSTEM. UNLESS THE CONTRACTOR IS SPECIFICALLY DIRECTED TO REMOVE EXISTING VALVES, THE CONTRACTOR SHALL ABANDON EXISTING VALVES IN PLACE USING THE FOLLOWING PROCEDURE: OPEN VALVE, REMOVE TOP OF VALVE BOX, AND FILL RESULTING HOLE WITH SAND. RESTORE SURFACE IN ACCORDANCE WITH SURFACE RESTORATION REQUIREMENTS.
- WHERE ENGINEER DETERMINES MECHANICAL COMPACTION CANNOT BE ADEQUATELY PERFORMED, CONTRACTOR SHALL BACKFILL TRENCH AREAS WHERE NEW WATERLINES CROSS UNDER EXISTING BURIED UTILITIES WITH FLOWABLE FILL (CEMENT TREATED FILL) IN ACCORDANCE WITH UDOT 03575.
- ALL BURIED REBAR, FITTINGS, COUPLINGS, VALVES AND MECHANICAL JOINT NUTS AND BOLTS ARE TO BE COATED WITH NON-OXIDE GREASE CHEVRON FM 1 OR APPROVED EQUAL, COVERED WITH 8 MIL POLYETHYLENE SHEETING, AND TAPE WRAPPED PER AWWA C105.
- THE CONTRACTOR SHALL MAINTAIN A 10-FOOT HORIZONTAL AND AN 18-INCH VERTICAL SEPARATION FROM ALL SEWER LINES.
- EXCEPT AS NOTED OTHERWISE, THE CONTRACTOR SHALL REPLACE ALL CURB AND GUTTER AND CONCRETE WATERWAYS DISTURBED DURING CONSTRUCTION PER UDOT STANDARD PLANS TO MATCH EXISTING.
- THE CONTRACTOR SHALL RESTORE OR REPLACE ANY SPRINKLING SYSTEMS AND LANDSCAPING DAMAGED DURING CONSTRUCTION TO EQUAL OR BETTER CONDITION THAN WHAT EXISTED PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL SAW CUT ASPHALT, SIDEWALK, AND WHERE REQUIRED, CURB AND GUTTER AT THE LIMITS OF ALL TRENCH EXCAVATION.
- UNLESS NOTED OTHERWISE, ALL NEW WATER MAIN SHALL BE C900 CLASS 905 DR14 PIPE. SIZE OF FITTINGS SHOWN ON THE PLANS SHALL CORRESPOND TO ADJACENT STRAIGHT RUN OF PIPE. TYPE OF JOINT AND FITTING MATERIAL SHALL BE THE SAME AS SHOWN FOR ADJACENT STRAIGHT RUN OF PIPE.



Project Key Map

General Notes		
<p>1. ALL WATER SYSTEM INSTALLATION SHALL CONFORM TO THE CURING JARNS IMPROVEMENT DISTRICT STANDARDS AND SPECIFICATIONS AND CURRENT AWWA STANDARDS.</p> <p>2. DURING CONSTRUCTION, NO UTILITY SHALL BE BURIED AND ANY PARALLEL EXISTING UTILITY SHALL BE AT LEAST TEN FEET (10'). WHEN ANOTHER UTILITY CROSSES A WATER LINE THEN THE OTHER UTILITY SHALL BE BURIED AND THE NEW UTILITY BEYOND THE UTILITY SHALL CROSS ABOVE THE WATER MAIN. IF THIS IS DIFFICULT, THE CONTRACTOR MAY REQUEST THE ENGINEER FOR APPROVAL OF A MINIMUM OF EIGHT-INCH (8") VERTICAL SEPARATION. THE VERTICAL SEPARATION IS REQUIRED BETWEEN THE TWO MAINS.</p> <p>3. THE CONTRACTOR SHALL NOT EXCAVATE ON THE NEW UTILITY UNTIL THE NEW UTILITY HAS BEEN APPROVED AND 95% MODIFIED PRECISELY IN DENSITY. THE EXCAVATION SHOT BLAST REQUIRED SHALL BE FORTY (40) FEET IN LENGTH AND SHOT BLAST SHALL NOT BE ADQUATELY PROTECT THE UTILITY FROM ANY LOADING, EXCAVATION, OR CONSTRUCTION ACTIVITIES. PROTECT THE AFFECTED UTILITY. COMPACTED TRENCH BACKFILL MATERIALS, UNPRESSED BASE COURSE, AND ASPHALT PELLETS LOCAL PERMIT MIN. 1000 PELLETS PER CUBIC YARD.</p> <p>4. PRESSURE TEST OF THE WATER LINE IS REQUIRED TO HOLD TWO HOURS. THE CONTRACTOR SHALL NOT EXCAVATE OR REMOVE REINFORCING FOR TWO (2) HOURS UNLESS OTHERWISE REQUESTED.</p> <p>5. TRACER WIRE SHALL BE INSTALLED DIRECTLY ABOVE THE TOP OF ALL NEW WATER LINES. THE TRACER WIRE SHALL BE A 14-GAUGE INSULATED COPPER WIRE. TRACER WIRE SHALL BE LOCATED TWENTY (20) FEET FROM THE EXISTING WATER LINES.</p> <p>6. DISINFECTION OF ALL NEW WATERLINES IS TO BE DISINFECTED, AND A PASSIVE BACTERIA TEST OBTAINED TO PROVE CONFORMANCE. THE CONTRACTOR SHALL NOT ADD CHLORINE TO THE COMPLETED WATER LINES UNTIL THE CONTRACTOR HAS RECEIVED APPROVAL FROM THE ENGINEER. THE COST TO SAN BACTERIA SAMPLES WILL BE COLLECTED BY THE PERSONNEL AT THE REQUEST OF THE AD INSPECTOR. CONTRACTOR IS RESPONSIBLE FOR THE COST OF THE SAN BACTERIA SAMPLES AND TO PROTECT OTHER HARMFUL BACTERIA FROM ENTERING THE PIPE DURING STORAGE, TRANSPORT, AND CONSTRUCTION. COMPACTION TESTS ARE REQUIRED EVERY 20 LINEAR FEET (20') AT HALF (1/2) AND FULL (1) INCHES. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEST RESULTS TO THE ENGINEER FOR PROVIDING TEST RESULTS TO THE CONTRACTOR. COMPACTATION SHALL BE 95% OR GREATER RELATIVE TO A DENSITY TEST. IF THE CONTRACTOR FAILS TO MEET THE REQUIREMENTS ENCOUNTERED, TRENCHES MUST BE KEPT FREE FROM WATER DURING CONSTRUCTION AND REINFORCED WITH A 100% COMPACTION OF THE TRENCH FLOOR. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF MATERIALS IN THE PIPE ZONE. EXCAVATION OF ANY TRENCHMENT IS TO USE SAFETY STANDARDS.</p> <p>7. CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND MAINTAINING A DUST SUPPRESSANT AND DUST CONTROL SYSTEMS TO PROTECT OTHER HARMFUL BACTERIA FROM ENTERING THE PIPE DURING STORAGE, TRANSPORT, AND CONSTRUCTION.</p> <p>8. VARIOUS CONSTRUCTION ACTIVITIES, CONNECTIONS AND CONNECTIONS AS SHOWN ON THE PLANS. ALL VALVES SHALL BE DUSTED AND PROTECTED.</p> <p>9. JOINTS SHALL BE RESTRAINED AT ALL VALVES, TEES, CROSSES, BENDS, BYPAS, AND MEGA LUG FITTINGS. THE NUMBER OF JOINTS DUSTED AND PROTECTED SHALL BE SHOWN ON THE DRAWING. DUSTING FITTINGS IS SHOWN ON A DETAIL SHEET.</p> <p>10. DUSTING OF JOINTS AND PROTECTION OF CONSTRUCTION SHOWN ON THE PLANS. NO FIRE HYDRANT SPACING SHALL EXCEED 300 FEET IN AREAS OF MULTI-FAMILY DWELLINGS. COMMERCIAL CONSTRUCTION SPACING SHALL NOT EXCEED 300 FEET IN FAMILY DWELLING USE AREAS. HYDRANTS SHALL BE CONNECTED TO THE MAINS USING A MINIMUM 8-INCH (8") DIA. DUSTED PIPE.</p> <p>11. CONCRETE THRUST BLOCKS - PROVIDE CONCRETE THRUST BLOCKS TO SUPPORT THE NEW WATER LINES. PLACE THE BLOCKS AT THE BASE OF ALL HYDRANTS. PLACE THRUST BLOCKS DIRECTLY AGAINST UNDISTURBED EARTH. PROVIDE MUD BRACKERS IN ALL THOSE AREAS WHERE THE NEW WATER LINES ARE LOCATED. USE RESTRAINED JOINTS TO HANDLE TUBES UNLESS DIRECTED OTHERWISE.</p> <p>12. WATER MAIN IN METER BOXES NO METER BOX SHALL BE ALLOWED IN ANY STREET, DRIVEWAY, DRIVEWAY, YARD, OR SIDEWALK. NO METER BOXES SHALL BE ALLOWED IN ANY AREA THAT SHALL NOT ALLOW A LOW-ALLOWABLE SERVICE LINE SHALL BE USED. CONCRETE METER BOXES SHALL BE USED IN ALL CASES. NO METER BOXES SHALL BE USED IN ANY AREA THAT SHALL NOT ALLOW A LOW-ALLOWABLE SERVICE LINE. SHALL BE ONE INCH DIAMETER OR RESIDENTIAL CONNECTIONS.</p> <p>13. CONTRACTOR IS RESPONSIBLE FOR POTHOLES AND DATING ALL UNDERRIDES. CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION OF THE NEW WATERLINE. CALL BELL SYSTEMS 811 IN ADVANCE OF CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR BRINGING THIS ATTENTION TO THE FIELD. THE CONTRACTOR ENGINEER TO EVALUATE AND DETERMINE THE MENTS AND METHODS OF CONSTRUCTION.</p> <p>14. SURVEY: CONTRACTOR SHALL PROVIDE SURVEYING WITH STAKES AND PANTOGRAPH OFFICE TO LOCATE THE NEW WATER LINES AND LATERALS. CONTRACTOR SHALL HOLD A DUSTING WALK THOUGH TO DENSITY ANY CONFLICTS WITH THE DISTRICT SURVEY.</p> <p>15. CONTRACTOR SHALL PROVIDE KIDS AND CUSTOMERS WITH 48-HOUR NOTICE BEFORE DISLOCATING OR CONCRETE OR IMPACT DRILLING. CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITH THE DISTRICT, ESPECIALLY WHEN WORKING WORK NEAR KEARNS JR HIGH.</p> <p>16. ALL WORK PERFORMED ON KIDS HIGH SCHOOL PROPERTY WILL BE CONSTRUCTED AFTER JUNE 1, 2025 AND COMPLETED BY AUGUST 14, 2025.</p>		
No.	Revision/Issue	Date
Firm Name and Address		
Project Name and Address		
<p>KEARNS JR HIGH WATER LINE REPLACEMENT PROJECT SAMS BLVD. (4320-4015 WEST)</p>		
Project	2025-01	Sheet
Date	9/23/2025	C
Scale	1" = 20'	



General Notes

WATER GENERAL NOTES

SYSTEM INSTALLATION SHALL CONFORM TO THE LEARN'S IMPROVEMENT DISTRICT STANDARDS AND TIONS AND CURRENT AWWA STANDARDS.

AL CLEARANCE BETWEEN A WATER MAIN AND ANY ALIGNED UTILITY SHALL BE AT LEAST TEN FEET (10'). OTHER UTILITY CROSSES A WATER LINE THEN: THE UTILITY SHALL CROSS PERPENDICULARLY. ONLY DRY SHALL CROSS ABOVE THE WATER MAIN. IF THIS IS ED TO BE UNFEASIBLE CONSULT WITH DISTRICT FOR APPROVAL. A MINIMUM OF EIGHTEEN INCH (18") SEPARATION IS REQUIRED BETWEEN THE TWO MAINS, (6-INCHES MINIMUM) AND PIPE ZONE (12-INCHES SHALL BE BEDDED IN APPROVED SAND 95% MODIFIED DENSITY. THE MINIMUM COVER REQUIRED SHALL BE EIGHT INCHES (48"). SHOULD COVER BE INSUFFICIENT TO ELY PROTECT THE UTILITY FROM ANY LOADING, ENT OR CASINGS SHALL BE PROVIDED TO PROTECT THE UTILITY. COMPACTED TRENCH BACKFILLS, D BASE COURSE AND ASPHALT PER LOCAL PERMIT. (MIN ED PROCTOR DENSITY).

TEST OF THE WATER LINE IS REQUIRED TO HOLD TWO POUNDS PER SQUARE INCH (200 PSI) TEST PRESSURE 2 HOURS UNLESS OTHERWISE REQUIRED.

RE SHALL BE INSTALLED DIRECTLY ABOVE THE TOP OF ARY WATER PIPES. TRACER WIRE SHALL BE 12-GAUGE O COPPER WIRE. TRACER WIRE SHALL BE LOCATED ICHEES (12") FROM THE TOP OF THE MAIN.

ION-ALL NEW WATERLINES ARE TO BE DISINFECTED, SING BACTERIA TEST OBTAINED PRIOR TO NG TO ANY KID WATER INFRASTRUCTURE.

ITION OF THE COMPLETED WATER LINES SHALL BE D BY THE CONTRACTOR AT NO ADDITIONAL COST TO ERIA SAMPLES WILL BE COLLECTED BY KID PERSONNEL QUEST OF THE KID INSPECTOR. CONTRACTOR IS LE FOR TAKING CARE TO CLEAN ALL PIPE AND KEEP RMIFUL BACTERIA FROM ENTERING THE PIPE DURING STORAG AND CONSTRUCTION.

WATER TRENCH STANDARDS: COMPACTION TESTS ARE EVERY 200 LINE FEET (220') AT HALF AND FULL RAY MAIN WATER INSTALLATION. THE CONTRACTOR SIBLE FOR PROVIDING TEST RESULTS TO KID.

ON SHALL BE TO 95% OR GREATER RELATIVE TO A PROCTOR DENSITY. IF GROUNDWATER IS ERED, TRENCHES MUST BE KEPT FREE FROM WATER XAVATION, PIPE INSTALLATION, AND THE TION OF MATERIAL IN THE PIPE ZONE. EXCAVATION OF CH MUST BE TO OSHA SAFETY STANDARDS.

ALVES SHALL BE LOCATED IN ALL INTERSECTIONS AND SONS AS SHOWN ON THE PLANS. ALL VALVES SHALL BE ECTILE IRON GATE VALVES.

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ANTS- FIRE HYDRANTS SHALL BE CONSTRUCTED AS THE PLANS. NO FIRE HYDRANT SPACING SHALL 0 FEET IN AREAS OF MULTI-FAMILY DWELLINGS, AL AND MANUFACTURING USES AND NOT EXCEED 500 MILEY DWELLING USE AREAS. HYDRANTS SHALL BE EDED TO THE MAIN USING A MINIMUM SIX-INCH (6") PIPE.

THRUST BLOCKS- PROVIDE CONCRETE THRUST ALL TAPS, TEMPORARY DEAD ENDS AND AT THE BASE DRANTS. PLACE THRUST BLOCKS DIRECTLY AGAINST ED EARTH. PROVIDE BOND BREAKERS ON ALLOCKS. ALL OTHER LOCATIONS SHALL RELY ON ED JOINTS TO HANDLE THRUST UNLESS DIRECTED EY BY THE DISTRICT ENGINEER.

ULTS/METER BOXES-NO METER BOX SHALL BE IN ANY STREET, DRIVEWAY, DRIVEWAY FLARE, OR SERVICE LATERALS- NO COMMON USE LATERALS ALLOWED. ALLOWABLE SERVICE LINE SHALL BE TED AS PER SECTION 2.1. MINIMUM SIZE SHALL BE ONE METER DIAMETER FOR RESIDENTIAL CONNECTIONS.

OR IS RESPONSIBLE FOR POTHOLE AND LOCATING ALL POTENTIAL CONFLICTING UTILITIES IN ADVANCE OF TION OF THE NEW WATER LINE. CALL BLUE-STAKES 811 CE OF POTHOLING UTILITIES. ALL CONFLICTS WILL BE TO THE ATTENTION IN THE FIELD TO THE DISTRICT TO EVALUATE AND DETERMINE THE MEANS AND O MITIGATE THE CONFLICTS.

CONTRACTOR SHALL PROVIDE SURVEYING WITH STAKES T WITH OFFSETS TO LOCATE THE PROPOSED WATER ALATION. CONTRACTOR SHALL SCHEDULE A FIELD OUGH TO IDENTIFY ANY CONFLICTS WITH THE ENGIINEER.

OR SHALL PROVIDE KID AND THEIR CUSTOMERS WITH COTICE BEFORE DISCONNECTING OR CONNECTING OR EXISTING WATER LINES AND CONNECTIONS.

TE ALL CONSTRUCTION ACTIVITIES WITH THE E AND ESPECIALLY WHEN PERFORMING WORK NEAR HIGH.

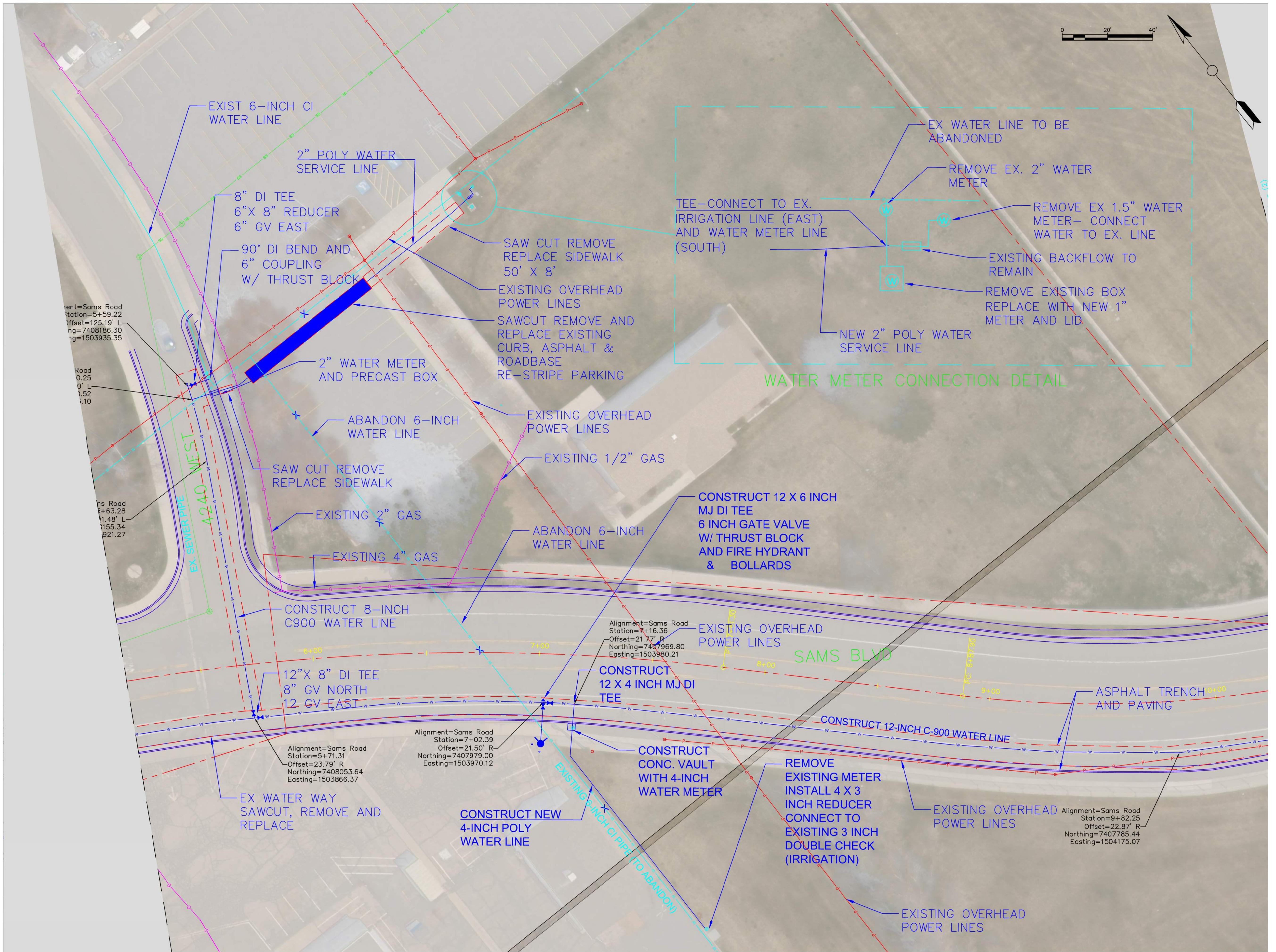
PERFORMED ON GRANITE SCHOOL DISTRICT WILL BE CONSTRUCTED AFTER 6 AND COMPLETED BY AUGUST 14, 2026.



do	Revision / Issue	Date

Project Name and Address
KEARNS JR HIGH WATER LINE
REPLACEMENT PROJECT
SAMS BLVD. (4320-4015 WEST)

Project	2025-01	Sheet
Date	9/23/2025	W1
Scale	1" = 20'	



General Notes

10. GENERAL NOTES

WATER GENERAL NOTES

SYSTEM INSTALLATION SHALL CONFORM TO THE STANDARDS OF THE WATER WORKS IMPROVEMENT DISTRICT STANDARDS AND CURRENT AWWA STANDARDS.

CLEARANCE BETWEEN A WATER MAIN AND ANY OTHER UTILITY SHALL BE AT LEAST TEN FEET (10'). IF THE UTILITY CROSSES A WATER LINE THEN: THE UTILITY SHALL CROSS PERPENDICULARLY. ONLY DRY COUNTRY CROSS ABOVE THE WATER MAIN. IF THIS IS DETERMINED TO BE UNFEASIBLE CONSULT WITH DISTRICT FOR APPROVAL. A MINIMUM OF EIGHTEEN INCH (18") CLEARANCE IS REQUIRED BETWEEN THE TWO MAINS. PIPING (6-INCHES MINIMUM) AND PIPE ZONE (12-INCHES) SHALL BE BEDDED IN APPROVED SAND 95% MODIFIED DENSITY. THE MINIMUM COVER REQUIRED SHALL BE 18" INCHES (48"). SHOULD COVER BE INSUFFICIENT TO PROTECT THE UTILITY FROM ANY LOADING, SUPPORT OR CASINGS SHALL BE PROVIDED TO PROTECT THE UTILITY. COMPACTED TRENCH BACKFILLS, BASE COURSE AND ASPHALT PER LOCAL PERMIT. (MINIMUM PROCTOR DENSITY).

TEST OF THE WATER LINE IS REQUIRED TO HOLD TWO HOURS UNLESS OTHERWISE REQUIRED.

SHALL BE INSTALLED DIRECTLY ABOVE THE TOP OF ALL WATER PIPES. TRACER WIRE SHALL BE 12-GAUGE COPPER WIRE. TRACER WIRE SHALL BE LOCATED 12" (12") FROM THE TOP OF THE MAIN.

ALL NEW WATERLINES ARE TO BE DISINFECTED, AND BACTERIA TEST OBTAINED PRIOR TO USE TO ANY KID WATER INFRASTRUCTURE.

TEST OF THE COMPLETED WATER LINES SHALL BE MADE BY THE CONTRACTOR AT NO ADDITIONAL COST TO KID. SAMPLES WILL BE COLLECTED BY KID PERSONNEL AND TEST OF THE KID INSPECTOR. CONTRACTOR IS RESPONSIBLE FOR TAKING CARE TO CLEAN ALL PIPE AND KEEP BACTERIA FROM ENTERING THE PIPE DURING EXCAVATION AND CONSTRUCTION.

WATER TRENCH STANDARDS: COMPACTION TESTS ARE TO BE MADE AT 200 LINEAR FEET (22') AT HALF AND FULL BURROWING DEPTH FOR ANY MAIN WATER INSTALLATION. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEST RESULTS TO KID.

SHALL BE TO 95% OR GREATER RELATIVE TO A PROCTOR DENSITY. IF GROUNDWATER IS PRESENT, TRENCHES MUST BE KEPT FREE FROM WATER DURING EXCAVATION, PIPE INSTALLATION, AND THE REMOVAL OF MATERIAL IN THE PIPE ZONE. EXCAVATION OF TRENCHES MUST BE TO OSHA SAFETY STANDARDS.

VALVES SHALL BE LOCATED IN ALL INTERSECTIONS AND AS SHOWN ON THE PLANS. ALL VALVES SHALL BE CAST IRON GATE VALVES.

BE RESTRAINED AT ALL VALVES, TEES, CROSSES, AND MEGA LUG FITTINGS. THE NUMBER OF JOINTS SHALL BE RESTRAINED BACK FROM THRUST PRODUCING JOINTS AS SHOWN ON A DETAIL SHEET.

HYDRANTS- FIRE HYDRANTS SHALL BE CONSTRUCTED AS SHOWN ON THE PLANS. NO FIRE HYDRANT SPACING SHALL EXCEED 500 FEET IN AREAS OF MULTI-FAMILY DWELLINGS, COMMERCIAL, AND MANUFACTURING USES AND NOT EXCEED 500 FEET IN DWELLING USE AREAS. HYDRANTS SHALL BE LOCATED TO THE MAIN USING A MINIMUM SIX-INCH (6") PIPE.

THRUST BLOCKS- PROVIDE CONCRETE THRUST BLOCKS, TEMPORARY DEAD ENDS AND AT THE BASE OF ALL PIPES. PLACE THRUST BLOCKS DIRECTLY AGAINST THE EARTH. PROVIDE BOND BREAKERS ON ALL THRUST BLOCKS. ALL OTHER LOCATIONS SHALL RELY ON BOND JOINTS TO HANDLE THRUST UNLESS DIRECTED BY THE DISTRICT ENGINEER.

METER BOXES- NO METER BOX SHALL BE LOCATED ON ANY STREET, DRIVEWAY, DRIVEWAY FLARE, OR SERVICE LATERALS- NO COMMON USE LATERALS ALLOWED. ALLOWABLE SERVICE LINE SHALL BE AS PER SECTION 2.1. MINIMUM SIZE SHALL BE ONE INCH FOR RESIDENTIAL CONNECTIONS.

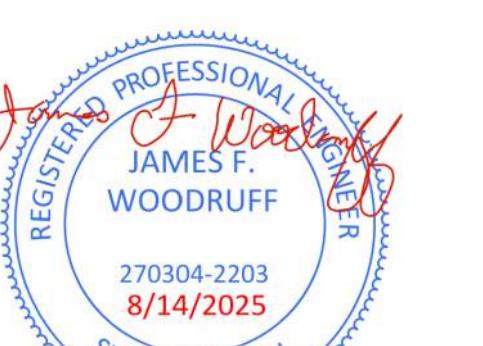
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CONTRACTOR SHALL PROVIDE SURVEYING WITH STAKES AND OFFSETS TO LOCATE THE PROPOSED WATER LINE. CONTRACTOR SHALL SCHEDULE A FIELD SURVEY TO IDENTIFY ANY CONFLICTS WITH THE DISTRICT ENGINEER.

CONTRACTOR SHALL PROVIDE KID AND THEIR CUSTOMERS WITH NOTICE BEFORE DISCONNECTING OR CONNECTING OR MODIFYING WATER LINES AND CONNECTIONS.

CONTRACTOR SHALL MAINTAIN ALL CONSTRUCTION ACTIVITIES WITH THE KID, ESPECIALLY WHEN PERFORMING WORK NEAR EXCAVATION.

CONTRACTOR SHALL PERFORM ON GRANITE SCHOOL DISTRICT PROPERTY. CONSTRUCTION SHALL BE CONSTRUCTED AFTER EXCAVATION AND COMPLETED BY AUGUST 14, 2026.

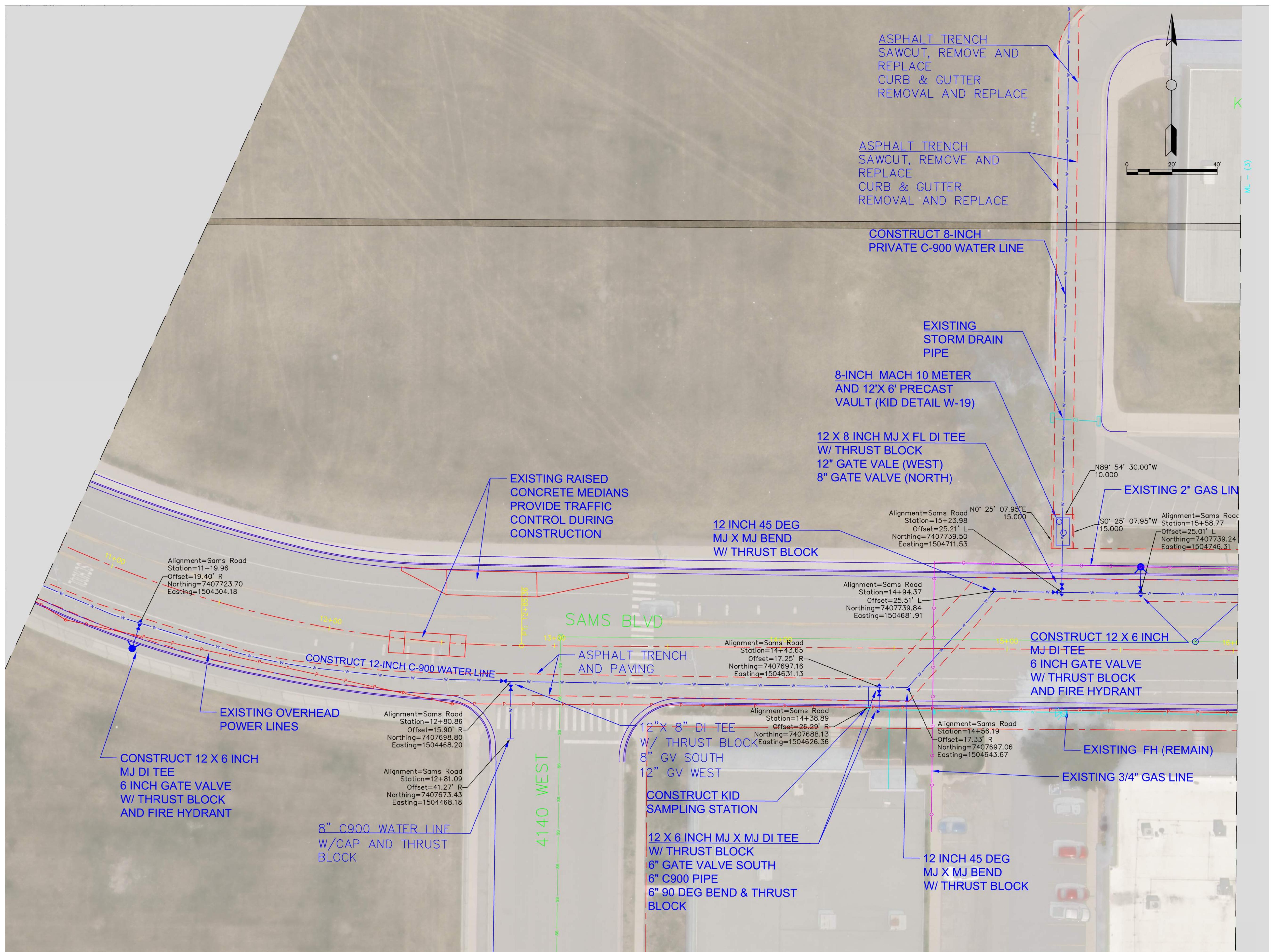
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PLACEMENT PROJECT
MS BLVD. (4320-4015 WEST)

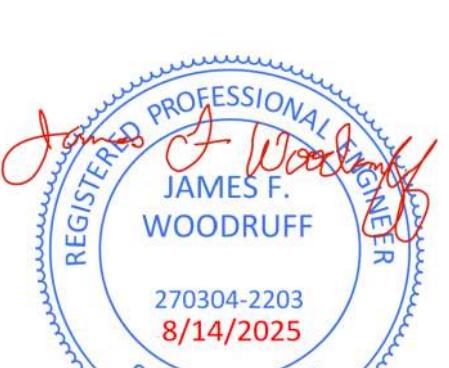
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	1" = 20'	



General Notes

WATER GENERAL NOTES

1. ALL WATER SYSTEM INSTALLATION SHALL CONFORM TO THE CURRENT KEARNS IMPROVEMENT DISTRICT STANDARDS AND SPECIFICATIONS AND CURRENT AWWA STANDARDS.
2. HORIZONTAL CLEARANCE BETWEEN A WATER MAIN AND ANY PARALLEL ALIGNED UTILITY SHALL BE AT LEAST TEN FEET (10'). WHEN ANOTHER UTILITY CROSSES A WATER LINE THEN, THE OTHER UTILITY SHALL CROSS PERPENDICULARLY. ONLY DRY UTILITIES SHALL CROSS ABOVE THE WATER MAIN. IF THIS IS DETERMINED TO BE UNFEASIBLE CONSULT WITH DISTRICT ENGINEER FOR APPROVAL. A MINIMUM OF EIGHTEEN INCH (18") VERTICAL SEPARATION IS REQUIRED BETWEEN THE TWO MAINS.
3. THE BEDDING (6-INCHES MINIMUM) AND PIPE ZONE (12-INCHES MINIMUM) SHALL BE BEDDED IN APPROVED SAND 95% MODIFIED PROCTOR DENSITY. THE MINIMUM COVER REQUIRED SHALL BE FORTY-EIGHT INCHES (48"). SHOULD COVER BE INSUFFICIENT TO ADEQUATELY PROTECT THE UTILITY FROM ANY LOADING, ENCASEMENT OR CASINGS SHALL BE PROVIDED TO PROTECT THE AFFECTION UTILITY. COMPACTED TRENCH BACKFILLS, UNTREATED BASE COURSE AND ASPHALT PER LOCAL PERMIT. (MIN 95% MODIFIED PROCTOR DENSITY).
4. PRESSURE TEST OF THE WATER LINE IS REQUIRED TO HOLD TWO HUNDRED POUNDS PER SQUARE INCH (200 PSI) TEST PRESSURE FOR TWO (2) HOURS UNLESS OTHERWISE REQUIRED.
5. TRACER WIRE SHALL BE INSTALLED DIRECTLY ABOVE THE TOP OF ALL CULINARY WATER PIPES. TRACER WIRE SHALL BE 12-GAUGE INSULATED COPPER WIRE. TRACER WIRE SHALL BE LOCATED TWELVE INCHES (12") FROM THE TOP OF THE MAIN.
6. DISINFECTION-ALL NEW WATERLINES ARE TO BE DISINFECTED, AND A PASSING BACTERIA TEST OBTAINED PRIOR TO CONNECTING TO ANY KID WATER INFRASTRUCTURE. CHLORINATION OF THE COMPLETED WATER LINES SHALL BE COMPLETED BY THE CONTRACTOR AT NO ADDITIONAL COST TO KID. BACTERIA SAMPLES WILL BE COLLECTED BY KID PERSONNEL AT THE REQUEST OF THE KID INSPECTOR. CONTRACTOR IS RESPONSIBLE FOR TAKING CARE TO CLEAN ALL PIPE AND KEEP OTHER HARMFUL BACTERIA FROM ENTERING THE PIPE DURING STAGING, STORAGE AND CONSTRUCTION.
7. CULINARY WATER TRENCH STANDARDS: COMPACTION TESTS ARE REQUIRED EVERY 20 LINEAR FEET (20') AT HALF AND FULL DEPTH FOR ANY MAIN WATER INSTALLATION. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEST RESULTS TO KID. COMPACTION SHALL BE TO 95% OR GREATER RELATIVE TO A STANDARD PROCTOR DENSITY. IF GROUNDWATER IS ENCOUNTERED, TRENCHES MUST BE KEPT FREE FROM WATER DURING EXCAVATION, PIPE INSTALLATION, AND THE INSTALLATION OF MATERIAL IN THE PIPE ZONE. EXCAVATION OF ANY TRENCH MUST BE TO OSHA SAFETY STANDARDS.
8. VALVES VALVES SHALL BE LOCATED IN ALL INTERSECTIONS AND CONNECTIONS AS SHOWN ON THE PLANS. ALL VALVES SHALL BE 12-INCH DUCTILE IRON GATE VALVES.
9. JOINTS SHALL BE RESTRAINED AT ALL VALVES, TEES CROSSES, BENDS, WYES, AND MEGA LUG FITTINGS. THE NUMBER OF JOINTS THAT NEED TO BE RESTRAINED BACK FROM THRUST PRODUCING FITTINGS IS SHOWN ON A DETAIL SHEET.
10. FIRE HYDRANTS- FIRE HYDRANTS SHALL BE CONSTRUCTED AS SHOWN ON THE PLANS. NO FIRE HYDRANT SPACING SHALL EXCEED 300 FEET IN AREAS OF MULTI-FAMILY DWELLINGS, COMMERCIAL AND MANUFACTURING USES AND NOT EXCEED 500 FEET IN FAMILY DWELLING USE AREAS. HYDRANTS SHALL BE CONNECTED TO THE MAIN USING A MINIMUM SIX-INCH (6") DIAMETER PIPE.
11. CONCRETE THRUST BLOCKS- PROVIDE CONCRETE THRUST BLOCKS AT ALL TAPS, TEMPORARY DEAD ENDS AND AT THE BASE OF ALL HYDRANTS. PLACE THRUST BLOCKS DIRECTLY AGAINST UNDISTURBED EARTH. PROVIDE BOND BREAKERS ON ALL THRUST BLOCKS. ALL OTHER LOCATIONS SHALL RELY ON RESTRAINED JOINTS TO HANDLE THRUST UNLESS DIRECTED OTHERWISE BY THE DISTRICT ENGINEER.
12. WATER VAULTS/METER BOXES-NO METER BOX SHALL BE ALLOWED IN ANY STREET, DRIVEWAY, DRIVEWAY FLARE, OR SIDEWALK. SERVICE LATERALS- NO COMMON USE LATERALS SHALL BE ALLOWED. ALLOWABLE SERVICE LINE SHALL BE CONSTRUCTED AS PER SECTION 2.1. MINIMUM SIZE SHALL BE ONE INCH (1") DIAMETER FOR RESIDENTIAL CONNECTIONS.
13. CONTRACTOR IS RESPONSIBLE FOR POTHOLE AND LOCATING ALL EXISTING POTENTIAL CONFLICTING UTILITIES IN ADVANCE OF CONSTRUCTION OF THE NEW WATER LINE. CALL BLUE-STAKES 811 IN ADVANCE OF POTHOLING UTILITIES. ALL CONFLICTS WILL BE BROUGHT TO THE ATTENTION IN THE FIELD TO THE DISTRICT ENGINEER TO EVALUATE AND DETERMINE THE MEANS AND METHOD TO MITIGATE THE CONFLICTS.
14. SURVEY- CONTRACTOR SHALL PROVIDE SURVEYING WITH STAKES AND PAINT WITH OFFSETS TO LOCATE THE PROPOSED WATER LINE INSTALLATION. CONTRACTOR SHALL SCHEDULE A FIELD WALK THROUGH TO IDENTIFY ANY CONFLICTS WITH THE DISTRICT ENGINEER.
15. CONTRACTOR SHALL PROVIDE KID AND THEIR CUSTOMERS WITH 48-HOUR NOTICE BEFORE DISCONNECTING OR CONNECTING OR IMPACTING EXISTING WATER LINES AND CONNECTIONS. COORDINATE ALL CONSTRUCTION ACTIVITIES WITH THE DISTRICT AND ESPECIALLY WHEN PERFORMING WORK NEAR KEARNS JR. HIGH.
16. ALL WORK PERFORMED ON GRANITE SCHOOL DISTRICT PROPERTY WILL BE CONSTRUCTED AFTER

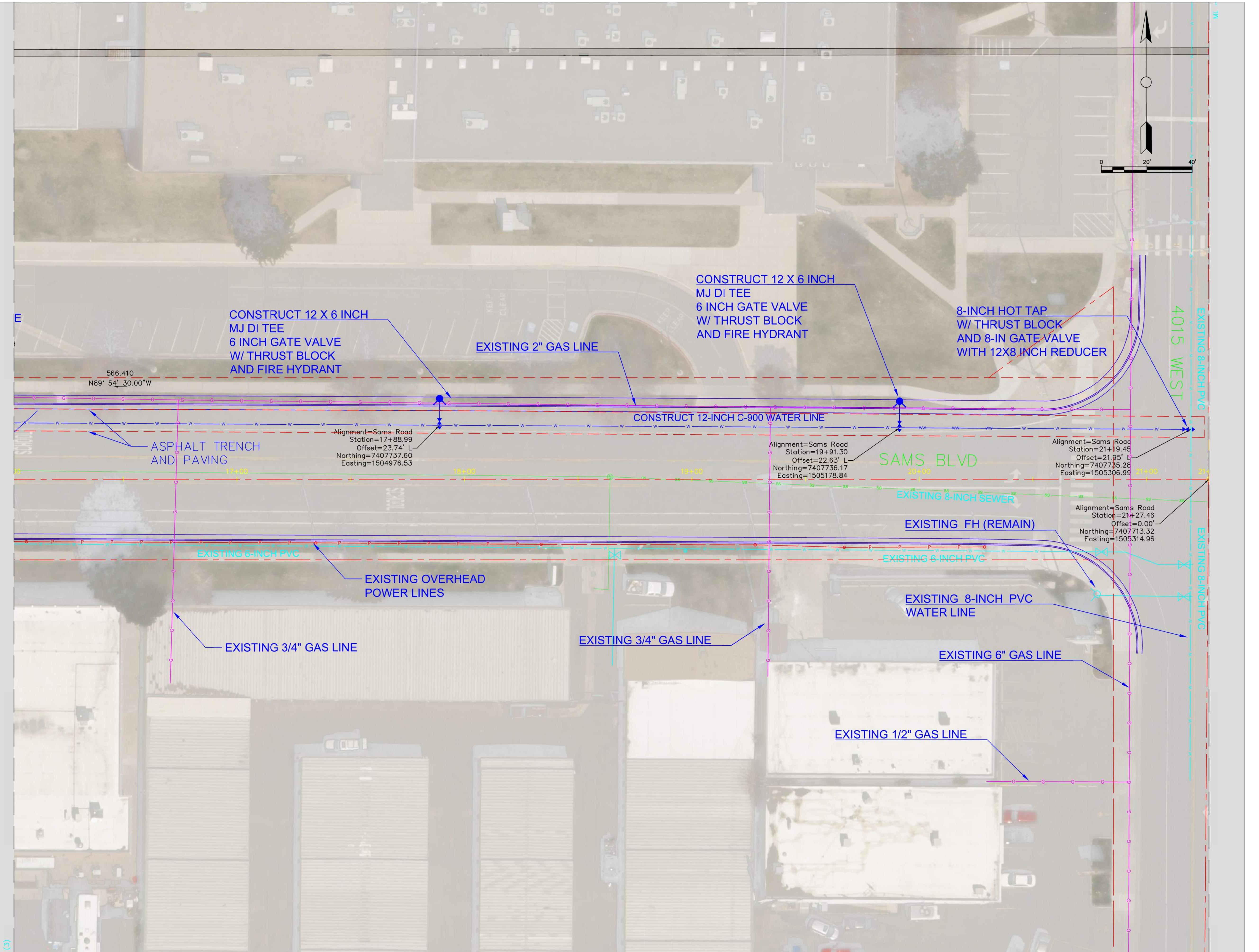


No.	Revision / Issue	Date



Project Name and Address
**KEARNS JR. HIGH WATER LINE
REPLACEMENT PROJECT
SAMS BLVD (4320-4015 WEST)**

Project	2025-01	Sheet
Date	9/23/2025	W3
Scale	1" = 20'	



General Notes

1. ALL WORK IN THIS DRAWING SHALL CONFORM TO THE CURRENT U.S. IMPROVEMENT DISTRICT STANDARDS AND SPECIFICATIONS AND CURRENT AWWA STANDARDS.

2. HORIZONTAL CLEARANCE BETWEEN A WATER MAIN AND OTHER UTILITIES SHALL BE NO LESS THAN 12 INCHES WHEN ANOTHER UTILITY CROSSES A WATER LINE; THEN THE OTHER UTILITY SHALL CROSS THE WATER MAIN IF THIS IS DETERMINED TO BE UNFAVORABLE CONSULT WITH DISTRICT ENGINEER FOR DETERMINATION (REF. AWWA D107).

3. VERTICAL SEPARATION IS REQUIRED BETWEEN THE TWO MAINS. THE BORING & INCORPORATION AND PIPE ZONE (12 INCHES MINIMUM) IS REQUIRED TO BE LOCATED IN THE SOFT SOIL PROTECTED DENSITY. THE MINIMUM COVER REQUIRED SHALL BE FORTY (40) INCHES. THE CONTRACTOR IS RESPONSIBLE TO ADJUSTLY PROTECT THE UTILITY FROM ANY LOADING. ENCLOSURE OR CASINGS SHALL BE PROVIDED TO PROTECT THE UTILITY FROM ANY LOADING.

4. PRESSURE TEST OF THE WATER LINE IS REQUIRED TO HOLD TWO HUNDRED POUNDS PER SQUARE INCH (200 PSI) TEST PRESSURE DURING A 24-HOUR PERIOD.

5. TRACER WIRE SHALL BE INSTALLED DIRECTLY ABOVE THE TOP OF ALL LAYING TRENCHES. THE TRACER WIRE SHALL BE LOCATED TWELVE INCHES (12") FROM THE TOP OF THE MAIN.

6. UNPAVED AREAS SHALL BE MAINTAINED CLEAN AND DISINFECTED, AND A PASSING BACTERIA TEST OBTAINED PRIOR TO CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR CHLORINATION OF THE COMPLETED WATER LINES SHALL BE COMPLETED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE DISTRICT. THE CONTRACTOR IS RESPONSIBLE FOR CLEANING AT THE REQUEST OF THE KID INSPECTOR. CONTRACTOR IS RESPONSIBLE FOR TAKING CARE TO CLEAN ALL PIPE AND OF OTHER UTILITY LINES DURING CONSTRUCTION AND DURING STAGING, STORAGE AND CONSTRUCTION.

7. CONCRETE TRENCH BLOCS FOR COMPACTION TESTS ARE REQUIRED EVERY 20 LINEAR FEET (20') AT FAIR AND FULL DEPTH FOR ANY MAIN WATER INSTALLATION. THE CONTRACTOR IS RESPONSIBLE FOR CONCRETE TRENCH BLOCS AND COMPACTION SHALL BE TO 95% OR GREATER RELATIVE TO A STANDARD TEST. THE CONTRACTOR IS RESPONSIBLE FOR ENCOUNTERED, TRENCHES MUST BE LEFT FREE FROM WATER DURING EXCAVATION, PIT INSTALLATION, AND THE INSTALLATION OF THE WATER LINE. THE CONTRACTOR IS RESPONSIBLE FOR TRENCHES TO OSHA SAFETY STANDARDS.

8. EXISTING UTILITY LINES, CONDUITS, CONNECTIONS AND CONNECTIONS AS SHOWN ON THE PLANS. ALL VALVES SHALL BE 12-INCH DOUBLE IRON GATE VALVES.

9. USE OF CONCRETE TRENCH BLOCS, MANTS, FEES, CROSSES, BENDS, BYES, AND MEGA LEG FITTINGS. THE NUMBER OF JOINTS THAT ARE TO BE MADE IN THE TRENCH BLOCS FOR PRODUCING FITTINGS IS SHOWN IN A DETAIL SHEET.

10. FIRE HYDRANTS: FIRE HYDRANTS SHALL BE CONSTRUCTED AS SHOWN ON THE PLANS. FIRE HYDRANTS SHALL NOT EXCEED 80 FEET IN AREAS OF MULTIFAMILY DWELLINGS. CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION OF 100 FEET IN AREAS OF COMMERCIAL DWELLINGS AND 50 FEET IN AREAS OF INDUSTRIAL DWELLINGS. HYDRANTS SHALL BE CONNECTED TO THE MAINS USING A MINIMUM SIZE 1-1/2" DIA. DUCTILE IRON PIPE.

11. CONCRETE THRUST BLOCKS: PROVIDE CONCRETE THRUST BLOCKS AT ALL FAIR, TEMPERED, AND FULL DEPTH IN THE CASE OF ALL LAYING TRENCHES. THRUST BLOCKS DIRECTED AGAINST UNDISTRESSED EARTH, PROVIDE BOND BREAKERS ON ALL THESE TRENCHES. PROVIDE CONCRETE TRENCH BLOCS OR RESTRAINED JOINTS TO HANDLE TRENCH LINES AS DIRECTED OTHERWISE BY THE DISTRICT ENGINEER.

12. TRENCHES FOR EXISTING UTILITY LINES SHALL BE ALLOWED IN ANY STREET, DRIVEWAY, DRIVEWAY FLARE, OR SIDEWALK. EXISTING UTILITY LINES AND EXISTING TRENCHES SHALL BE ALLOWED. ALLOWABLE SERVICE LINE SHALL BE CONSTRUCTED AS PER SECTION 2. MINIMUM SIZE SHALL BE ONE INCH IN DIAMETER. CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION OF THE NEW WATERLINE, CALL BLDG STAKES 813 IN ADVANCE OF POTHoling UTILITIES. ALL CONFLICTS WILL BE BROUGHT TO THE ATTENTION OF THE DISTRICT ENGINEER TO EVALUATE AND DETERMINE THE MEANS AND METHODS FOR RESOLVING THE CONFLICTS.

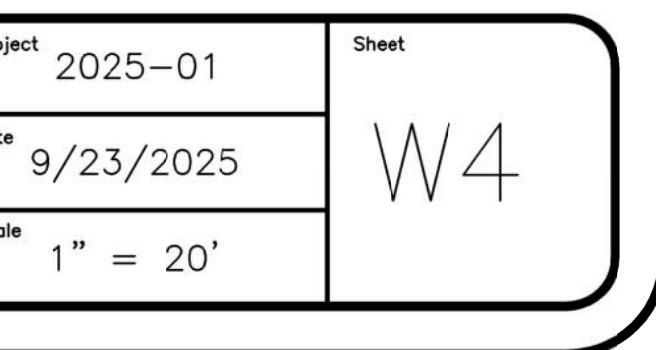
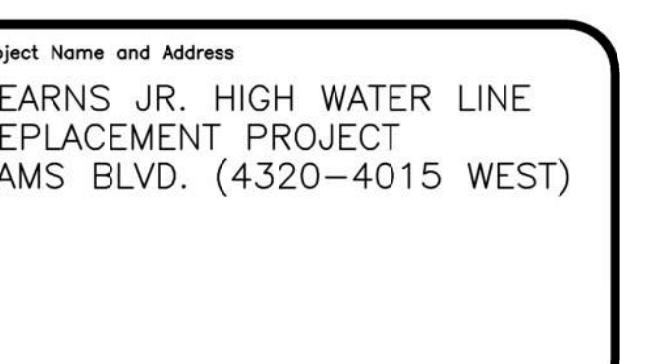
13. NEW CONTRACTOR SHALL PERFORM SURVEYING WITH STAKES AND PAINT TIN OPPOSES TO LOCATE THE PROPOSED WATER LINES AND EXISTING UTILITY LINES. CONTRACTOR SHALL HOLD WALK THROUGH TO IDENTIFY ANY CONFLICTS WITH THE DISTRICT ENGINEER.

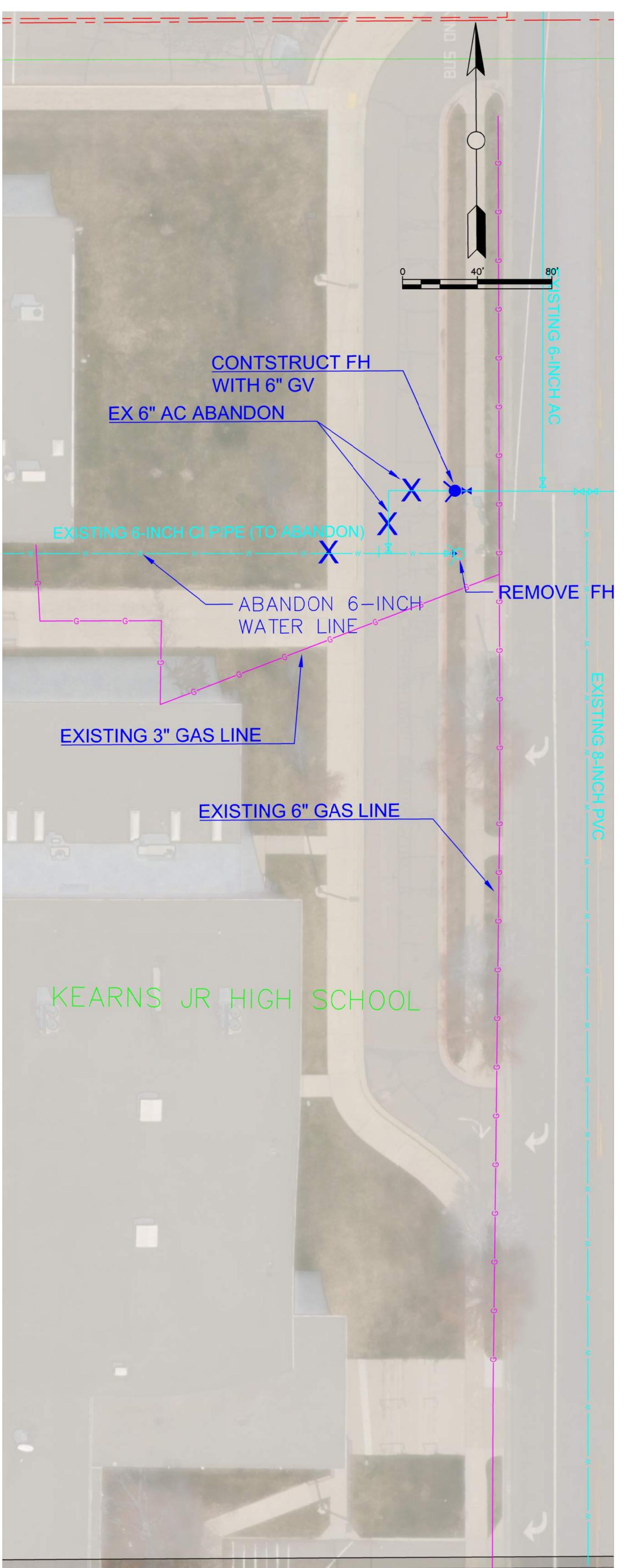
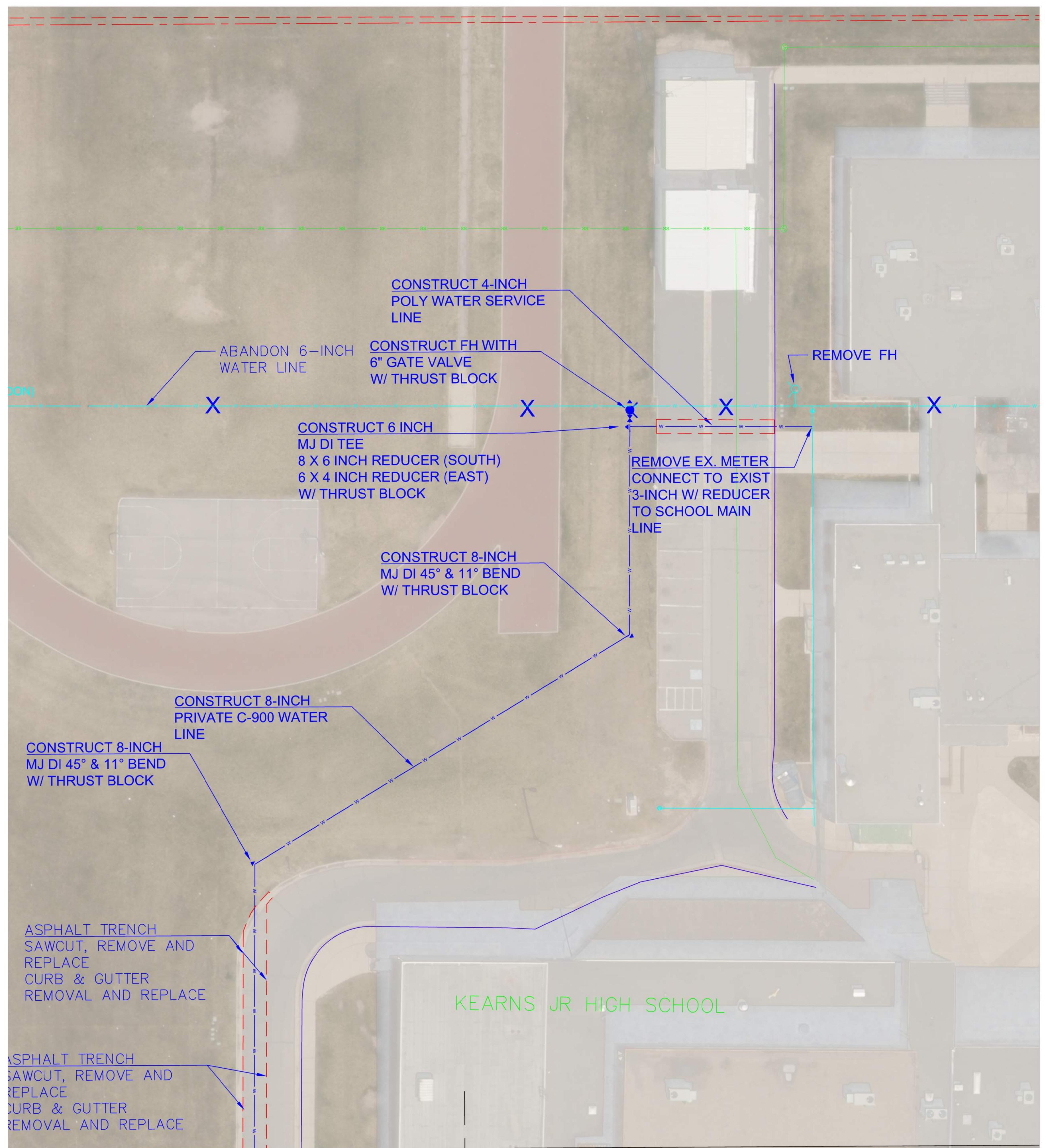
14. CONTRACTOR IS RESPONSIBLE TO PROVIDE KID AND THEIR CUSTOMERS WITH 48-HOUR NOTICE BEFORE DISCONNECTING OR CONNECTING OR DISLOCATING EXISTING UTILITY LINES. CONTRACTOR IS RESPONSIBLE TO COORDINATE ALL CONSTRUCTION ACTIVITIES WITH THE DISTRICT AND SPECIFICALLY WHEN PERFORMING WORK NEAR EXISTING UTILITY LINES.

15. ALL WORK PERFORMED ON CHARTER SCHOOL DISTRICT PROPERTY WILL BE CONSTRUCTED AFTER JUNE 1, 2025 AND COMPLETED BY AUGUST 1, 2025.



No.	Revision/Issue	Date





General Notes		
WATER GENERAL NOTES		
<p>1. ALL WATER SYSTEM INSTALLATION SHALL CONFORM TO THE CURRENT KANABENAH DISTRICT STANDARDS AND SPECIFICATIONS AND CURRENT APPROVALS.</p> <p>2. HORIZONTAL CLEARANCE BETWEEN A WATER MAIN AND ANY PARALLEL ALLEY, ROAD, OR PROPERTY LINE, OR THE TOP OF THESE ALLEY, ROAD, OR PROPERTY LINE, AND THE OTHER UTILITY SHALL CROSS PERPENDICULARLY. ONLY THE UTILITY THAT IS NOT PERPENDICULAR TO THE OTHER IS DETERMINED TO BE UNFAVORABLE. CONSULT WITH DISTRICT ENGINEER FOR APPROVAL, A MINIMUM OF 12 FEET (3.7 M) VERTICAL SEPARATION IS REQUIRED IN THE TWO MAINS.</p> <p>3. THE BEDDING 6-INCHES MINIMUM, AND PIPE ZONE 2-INCHES MINIMUM, AND THE TOP OF THE PIPE SHALL BE DRIED PROCTOR DENSITY. THE MINIMUM COVER REQUIRED SHALL BE FORTY-FIVE INCHES (11.4 M), SHOULD COVER BE INSUFFICIENT TO AVOID EXCAVATION, A 12-INCH (30.5 CM) DIA. DURABLE ENCASING OR CASINGS SHALL BE PROVIDED TO PROTECT THE UTILITY. THE DURABLE ENCASING SHALL BE DRIED PROCTOR DENSITY, UNTREATED BASE COURSE, AND ASPHALT PELLETICAL PERT, MIN 95% MODIFIED PROCTOR DENSITY.</p> <p>4. TRACER WIRE SHALL BE INSTALLED DIRECTLY TO HOLD TWO HUNDRED POUNDS PER SQUARE INCH (20 PSI) TEST PRESSURE FOR THE DURATION OF THE EXCAVATION.</p> <p>5. TRACER WIRE SHALL BE INSTALLED DIRECTLY ABOVE THE TOP OF ALL CULINARY WATER PIPE. TRACER WIRE SHALL BE 24-GAGE INSULATED COPPER WIRE, AND SHALL BE LOCATED TWELVE INCHES (30.5 CM) FROM THE TOP OF THE MAIN.</p> <p>6. DITCHES SHALL BE WASHED AND DRIED, AND A PASSING HYDRAULIC TEST OPENED PRIOR TO CONNECTING TO ANY KAD WATER INFRASTRUCTURE.</p> <p>7. USE OF EXCAVATION STABILIZERS AND STABILIZERS SHALL BE COMPLETED BY THE CONTRACTOR AT AN ADDITIONAL COST TO THE DISTRICT. BACTERIA SAMPLES WILL BE COLLECTED AND PERSONNEL AT THE SITE WILL BE RESPONSIBLE FOR CLEANING AND MAINTAINING THE STABILIZERS. STABILIZERS ARE NOT TO BE USED FOR TAKING CARE TO CLEAN UP PIPE, AND KEEP OTHERS FROM DOING THE SAME. STABILIZERS ARE FOR STAGING, STORAGE, AND CONSTRUCTION.</p> <p>8. CULINARY WATER TRENCH STANDARDS: COMPACTATION TESTS ARE TO BE CONDUCTED ON THE TRENCH FLOOR, AND THE DEPTH FOR ANY MAIN WATER INSTALLATION. THE CONTRACTOR IS RESPONSIBLE FOR CONDUCTING THESE TESTS. THE COMPACTATION SHALL BE TO 95% OR GREATER RELATIVE TO A STANDARD PROCTOR DENSITY. IF GROUNDFLOOR IS ENCOUNTERED, THE CONTRACTOR IS RESPONSIBLE FOR DRAINING WATER DURING EXCAVATION, PIPE INSTALLATION, AND THE RESTITUTION OF THE GROUNDFLOOR. THE CONTRACTOR IS RESPONSIBLE FOR ANY TRENCH THAT IS NOT CONFORMING TO THE STANDARDS.</p> <p>9. VALVES VALVES SHALL BE LOCATED IN ALL INTERSECTIONS AND CONSTRUCTION OF VALVES SHALL BE CONDUCTED IN ACCORDANCE WITH THE PLANS. 12-INCH DOUBLE IRON GATE VALVE, DOPPLER VALVE, AND 12-INCH VALVE, 12-INCH VALVE, 12-INCH CROSS, BUND, WYES, AND MEGA-LUG FITTINGS. THE NUMBER OF JOINTS THAT NEED TO BE RESTRAINED BACK FROM THE THROTTLE PROVING TITRATION TESTS SHALL BE DETERMINED BY THE DISTRICT.</p> <p>10. FIRE HYDRANTS: FIRE HYDRANTS SHALL BE CONSTRUCTED AS SHOWN ON THE PLANS. NO FIRE HYDRANT SHALL EXCEED 100 FEET (30.5 M) IN LENGTH. NO FIRE HYDRANT SHALL BE CONNECTED TO THE MAIN USING A MINIMUM 8-INCH (20.3 CM) DIAMETER PIPE.</p> <p>11. CONCRETE THRUST BLOCKS: PROVIDE CONCRETE THRUST BLOCKS AT ALL TOPS, TEMPORARY HEAD ENDS, AND AT THE BASE OF ALL EXCAVATIONS. CONCRETE THRUST BLOCKS AGAINST UNSTABILIZED EARTH, PROVIDED BOND BREAKERS ON ALL THRUST BLOCKS. ALL OTHER LOCATIONS SHALL RELY ON EXCAVATION STABILIZERS. CONCRETE THRUST BLOCKS ARE PROVIDED OTHERWISE BY THE DISTRICT ENGINEER.</p> <p>12. SIDEWALKS: SIDEWALKS SHALL BE PROVIDED AS SHOWN ON THE PLANS. SIDEWALKS SHALL BE CONSTRUCTED AS PER SECTION 21. MINIMUM SIZE SHALL BE ONE MILE (1.6 KILOMETERS).</p> <p>13. CONTRACTOR IS RESPONSIBLE FOR PAVING AND LOCATING ALL EXISTING POTENTIAL CONFLICTING UTILITIES IN ADVANCE OF CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE DISTRICT IN ADVANCE OF PAVING UTILITIES. ALL CONFLICTS WILL BE BROUGHT TO THE ATTENTION IN THE FIELD. THE DISTRICT WILL ENFORCE THE PAVING UTILITIES AS SHOWN ON THE PLANS.</p> <p>14. SIDEWALKS: SIDEWALKS SHALL BE CONSTRUCTED WITH STAKES AND PANT WELLS TO SUPPORT THE DROPPED WATER LINE INSTALLATION. CONTRACTOR SHALL SECURE A FIELD TRAVERSE LINE AND PANT WELLS AS SHOWN ON THE PLANS. THE DISTRICT ENGINEER.</p> <p>15. CONTRACTOR IS PROVIDED AND LOCATED BY THE DISTRICT ENGINEER.</p> <p>16. CONTRACTOR SHALL PROVIDE AND LOCATE THE CONTRACTOR WITH 48-HOUR NOTICE BEFORE DISCONNECTING OR IMPACTING EXISTING WATER LINES AND CONNECTIONS LOCATED IN THE CONSTRUCTION AREA. CONSULT WITH THE DISTRICT AND ESPECIALLY WHEN PERFORMING WORK NEAR SANKS.</p> <p>17. ALL WORK PERFORMED ON GRANITE SCHOOL DISTRICT PROPERTY WILL BE CONSTRUCTED AFTER JUNE 1, 2025, AND COMPLETED BY AUGUST 14, 2025.</p>		
No.	Revision/Issue	Date
Firm Name and Address		
 Kearns Improvement District		
Project Name and Address		
KEARNS JR. HIGH WATER LINE REPLACEMENT PROJECT SAMS BLVD. (4320-4015 WEST)		
Project	Sheet	
2025-01		
Date		
9/23/2025		
Scale		
1" = 40'		

