

GENERAL NOTES:

- THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE SAFETY REGULATIONS. ALL CONSTRUCTION SHALL BE COMPLETED FOLLOWING CURRENT CITY STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
- CONTRACTOR WILL BE REQUIRED TO PROVIDE NOTICE TO UTILITY COMPANIES A MINIMUM OF SEVENTY-TWO (72) HOURS PRIOR TO ANY EXCAVATION, AS FOLLOWS:

KANSAS ONE-CALL 687-2470

THE CONTRACTOR MUST NOTIFY THE FOLLOWING IN CASE OF AN EMERGENCY:

AT&T	1-800-246-8464
BLACK HILLS ENERGY	1-800-694-8989
CITY OF WICHITA WATER & SEWER	1-316-219-8921
CITY OF WICHITA STORMWATER	1-316-268-4090
CITY OF WICHITA TRAFFIC	1-316-268-4034
COX COMMUNICATIONS	1-888-249-3530
KANSAS GAS SERVICE	1-888-482-4950
ENERGY	1-800-544-4857

- UTILITY SERVICE LINES, POLES, ETC. ARE TO BE ADJUSTED AS NECESSARY BY OTHERS PRIOR TO CONSTRUCTION UNLESS THE PLANS SPECIFICALLY CALL FOR THEIR ADJUSTMENT BY THE CONTRACTOR OR UNLESS THE PLANS SPECIFICALLY IDENTIFY A UTILITY TO BE ADJUSTED BY ITS OWNER DURING CONSTRUCTION. EXISTING UTILITIES AND THEIR LOCATION, AS SHOWN ON THE PLANS, REPRESENT THE BEST INFORMATION OBTAINABLE FOR DESIGN. THE CONTRACTOR WILL BE REQUIRED TO WORK AROUND EXISTING UTILITIES WITHIN THE RIGHT-OF-WAY WHICH DO NOT CONFLICT WITH PROPOSED CONSTRUCTION.

- RUBBLE FROM THE REMOVAL OF MISCELLANEOUS STRUCTURES AND EXCESS EXCAVATION WHICH IS TO BE WASTED SHALL BE DISPOSED OF ON SITES TO BE PROVIDED BY THE CONTRACTOR. THESE SITES SHALL BE APPROVED BY THE ENGINEER AS TO SUITABILITY, APPEARANCE AND SITE LOCATION. LOCATIONS, IN THE OPINION OF THE ENGINEER, THAT WILL LEAVE AN UNSIGHTLY APPEARANCE WILL NOT BE APPROVED. ALL DISPOSAL SITES MUST BE APPROVED BY THE KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT. MATERIAL EITHER STOCKPILED OR DISPOSED OF IN A FLOOD PLAIN WILL REQUIRE A KANSAS STATE BOARD OF AGRICULTURE PERMIT. ANY MATERIAL DUMPED IN WATERS OF THE UNITED STATES OR WETLANDS IS SUBJECT TO U.S. CORPS. OF ENGINEERS PERMITTING REGULATIONS. ANY MATERIAL BURIED OR STOCKPILED BEYOND APPROVED CONSTRUCTION LIMITS WILL REQUIRE ADDITIONAL ARCHAEOLOGICAL INVESTIGATIONS UNLESS BURIED IN A PREVIOUSLY APPROVED BORROW LOCATION.

- TREES AND SHRUBS IN PUBLIC RIGHT-OF-WAY WHICH ARE IN DIRECT CONFLICT WITH PROPOSED NEW CONSTRUCTION SHALL BE REMOVED BY THE CONTRACTOR WITH THE ENGINEER'S APPROVAL. TREES AND SHRUBS WHICH ARE NOT IN DIRECT CONFLICT WITH PROPOSED NEW CONSTRUCTION SHALL BE SAVED AND PROTECTED FROM DAMAGE.

- THE CONTRACTOR SHALL GIVE ALL PROPERTY OWNERS AND/OR TENANTS OF DEVELOPED PROPERTY ADJUTING THE CONSTRUCTION OF THIS PROJECT A MINIMUM OF TEN (10) DAYS NOTICE PRIOR TO START OF CONSTRUCTION.

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR WILL BE REQUIRED TO RE-ESTABLISH ANY PROPERTY IRONS WHICH ARE DAMAGED OR DESTROYED BY HIS CONSTRUCTION OPERATIONS. SUCH IRONS SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR IN ACCORDANCE WITH STATE LAWS.

- THE ENGINEERING DIVISION SHALL FIELD LOCATE WATER VALVES ONE TIME DURING CONSTRUCTION WHEN REQUESTED BY THE CONTRACTOR. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PRESERVE SUCH FIELD LOCATIONS DURING THE CONSTRUCTION PROCESS. WATER VALVES, VALVE BOXES OR FIRE HYDRANTS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED BY CONTRACTOR AT HIS OWN EXPENSE. VALVE BOXES AND WATER METERS WITHIN THE PROJECT LIMITS SHALL BE ADJUSTED TO MATCH FINAL GRADES BY THE CONTRACTOR.

- THE CONTRACTOR SHALL NOTIFY THE CONSULTANT ENGINEER AND DAWNITA REINHARDT WITH THE CITY AT 316-268-4574 WITH THE ANTICIPATED CONSTRUCTION START DATE AND NOTIFY THEM OF PROJECT COMPLETION. STAKING AND INSPECTION FOR THIS PROJECT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

- IF TRAFFIC WILL BE IMPACTED BY CONSTRUCTION, A TRAFFIC CONTROL PLAN MUST BE SUBMITTED AND APPROVED BY THE CITY TRAFFIC ENGINEER AT TRAFFIC@WICHITA.GOV BEFORE CONSTRUCTION CAN BEGIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL MEASURES TO FACILITATE CONSTRUCTION. ALL CONSTRUCTION ZONE MARKINGS AND SIGNAGE SHALL CONFORM TO THE LATEST VERSION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AS PUBLISHED BY THE US DEPT. OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION. ALL COSTS ASSOCIATED WITH CONSTRUCTION MARKINGS AND SIGNAGE SHALL BE THE CONTRACTORS RESPONSIBLY.

- ALL ELEVATIONS SHOWN ARE NAVD 88.

- ALL AREAS DISTURBED DURING CONSTRUCTION THAT WILL NOT BE UNDER PROPOSED PAVEMENT SHALL BE RESTORED TO MATCH EXISTING CONDITIONS.

- PUBLIC SIDEWALK, DRIVE APPROACH, CURB, OR STREET PAVEMENT REMOVED TO CONSTRUCT PROJECT MUST HAVE A PAVEMENT CUT PERMIT AND BE REPLACED BY THE CITY CONTRACTOR. PERMITS CAN BE OBTAINED BY CALLING 316-268-4501 OR 316-268-4480.

- ALL APPLICABLE FEES (TAP, EQUITY, IN LIEU OF & MAIN BENEFIT) MUST BE PAID BEFORE ANY CONNECTIONS CAN BE MADE ON THIS PROJECT. QUOTES CAN BE OBTAINED ON FEES BY CALLING 316-268-4641.

- CITY MAINTENANCE OF WATER MAINS ENDS AT RIGHT-OF-WAY OR EASEMENT LINE OR WITHIN TWO FEET OF VAULT.

- OPENING AND CLOSING OF WATER VALVES SHALL BE DONE SLOWLY TO PREVENT DAMAGE TO THE WATER DISTRIBUTION SYSTEM FROM WATER HAMMER. ALL VALVES CLOSED BY THE CONTRACTOR MUST BE REOPENED AS NEW CONSTRUCTION PERMITS. THE PROJECT INSPECTOR MUST ASCERTAIN THAT ANY VALVE CLOSED BY THE CONTRACTOR IS REOPENED. THE CONTRACTOR WILL BE PERMITTED TO OPERATE WATER VALVES ONLY WHEN THE PROJECT INSPECTOR ASSIGNED TO THE PROJECT IS PRESENT.

- THE CONTRACTOR SHALL LAY A TRACER WIRE AND SET TEST STATIONS ALONG ALL WATER PIPE INSTALLED IN ACCORDANCE WITH CITY SPECIFICATIONS AND TRACER WIRE DETAIL ON DETAIL SHEET WL-101, COST IS SUBSIDIARY TO PIPE INSTALLATION.

- THE CONTRACTOR SHALL PROVIDE MATERIALS FOR TEMPORARY BLOWOFF OF WATERLINES. CONNECTIONS TO THE EXISTING WATERLINE(S) SHALL BE MADE WITH CLEAN, SWABBED PIPE AND FLUSHED UPON COMPLETION OF TIE-INS.

- REQUESTS FOR SHORT TERM WATER INTERRUPTIONS SHALL BE MADE TO THE CITY WATER DISTRIBUTION DIVISION AND WILL BE SUBJECT TO THEIR APPROVAL. THE CONTRACTOR SHALL GIVE WRITTEN NOTICE TO ANY PROPERTY OWNER, BUSINESS, AND/OR TENANTS THAT WILL HAVE WATER SERVICE INTERRUPTED AT LEAST 5 DAYS IN ADVANCE. SUCH NOTIFICATIONS SHOULD INDICATE THE TIME AND DATE THAT THE WATER WILL BE TURNED OFF AND WHEN THE SERVICE WILL BE RESTORED. NO BUSINESS, PROPERTY OWNER, AND/OR TENANTS SHALL BE WITHOUT WATER SERVICE FOR MORE THAN 8 HOURS. PROPOSED TIE IN LOCATIONS WHICH WILL AFFECT WATER SERVICE TO PROPERTY OWNERS SHALL BE PREFORMED DURING NON-PEAK HOURS.

- THE CONTRACTOR MUST SCHEDULE THE CONNECTIONS TO THE EXISTING MAIN WITH THE CITY SUCH THAT THERE IS A MINIMUM DISRUPTION OF SERVICE. CONNECTIONS SHALL BE MADE DURING PERIODS OF LOW WATER USAGE. THE CONTRACTOR SHALL SUBMIT HIS PROPOSED SCHEDULE FOR COMPLETING WORK FOR CITY APPROVAL AT LEAST 10 DAYS PRIOR TO BEGINNING CONSTRUCTION.

- DEFLECTIONS AT PIPE JOINT OR COUPLINGS SHALL NOT EXCEED THE PIPE MANUFACTURES RECOMMENDED MAXIMUM. WHERE DEFLECTIONS ARE GREATER THAN THE MAXIMUM ALLOWED, THE CONTRACTOR SHALL UTILIZE FITTINGS.

- ANY EXISTING JOINT EXPOSED DURING EXCAVATION SHALL BE REPLACED IF WITHIN FOUR FEET OF PROPOSED JOINT.

- VALVES 12 INCH AND LARGER ARE TO BE OPERATED BY THE CITY WATER DISTRIBUTION DIVISION, 48 HOURS OF ADVANCE NOTICE IS REQUIRED WITH THE WATER DISPATCH AT 316-291-8921.

- ALL WET TAPS SHALL BE INSTALLED BY THE CITY OF WICHITA. THE CONTRACTOR WILL REIMBURSE THE CITY FOR TAPPING FEES PRIOR TO TAP BEING MADE. UNLESS NOTED ON PLANS.

- THE CONTRACTOR SHALL PROTECT FROM DAMAGE AND SUPPORT EXISTING UTILITIES THROUGH CONSTRUCTIONS AS APPROVED BY THE UTILITY OWNER AND THE ENGINEER AT THE CONTRACTORS EXPENSE.

- CONTRACTOR SHALL LIMIT THE EXTENT OF TRENCH OPENINGS OVERNIGHT AND WEEKENDS TO LESS THAN 50 FEET.

- WICHITA FIRE DEPARTMENT INSPECTIONS MAY BE SCHEDULED BY CALLING DAWNITA REINHARDT, 316-268-4574.

- SITE RESTORATION AND PREPARATION SHALL BE SUBSIDIARY TO THE PROJECT.

- THE CONTRACTOR SHALL USE BEST MANAGEMENT PRACTICES (BMP'S) TO PREVENT ERODED SOIL FROM ENTERING DITCHES, CULVERTS, AND DRAINAGE AREAS. STANDARD DETAILS FOR EROSION BMP'S ARE AVAILABLE FROM THE ENGINEER. THE CONTRACTOR SHALL FOLLOW THE INTENT OF THE BMP'S WHICH ACT AS A GUIDELINE.

- EACH BIDDER SHALL VISIT THE SITE OF THE PROJECT THROUGHOUT ITS ENTIRE EXTENT BEFORE SUBMITTING A PROPOSAL IN ORDER TO BECOME BETTER INFORMED OF THE EXISTING FIELD CONDITIONS AND OBSTACLES WHICH MIGHT BE ENCOUNTERED DURING CONSTRUCTION. EACH BIDDER SHOULD UNDERSTAND THAT NO ADDITIONAL COMPENSATION WILL BE AWARDED FOR EXTRA WORK THAT SHOULD HAVE BEEN EVALUATED PRIOR TO BIDDING.

- ALL WATER PIPE TRENCHING IN PAVEMENT OR DRIVEWAYS, WHICH WILL BE REQUIRED TO CARRY TRAFFIC UNTIL PERMANENT PAVING REPLACEMENT, SHALL BE TOPPED WITH A MINIMUM OF 6" CRUSHED ROCK (COMPACTED) TO BE INCIDENTAL TO THE PROJECT. CONTRACTOR SHALL BE REQUIRED TO MAINTAIN TEMPORARY CRUSHED ROCK UNTIL PERMANENT PAVEMENT IS INSTALLED.

- CONTRACTOR TO FIELD VERIFY LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION AND REPORT FINDINGS TO PROJECT ENGINEER. LOCATION INFORMATION HAS BEEN OBTAINED FROM VARIOUS COMPANIES AND IS EITHER FROM COMPANY UTILITY DRAWINGS OR COMPANY PROVIDED FIELD LOCATIONS. THE PLAN LOCATIONS SHOWN ARE NOT GUARANTEED. ADDITIONAL EXITING UTILITIES MAY BE ENCOUNTERED.

- CONTRACTOR TO FOLLOW STANDARD CITY OF WICHITA BEST MANAGEMENT PRACTICES FOR EROSION CONTROL.

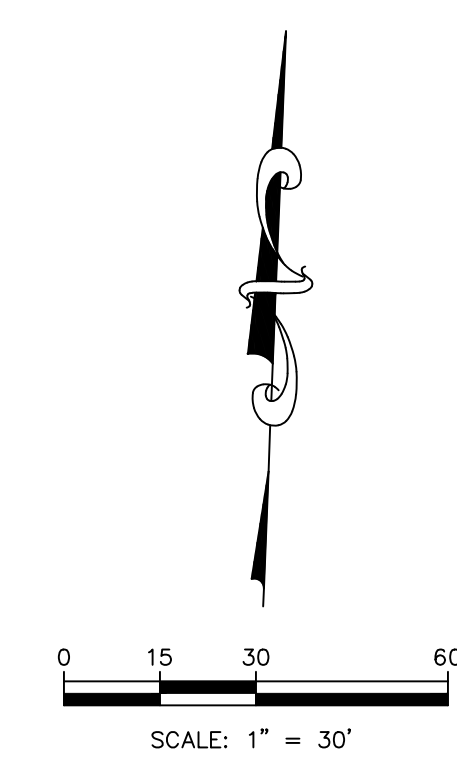
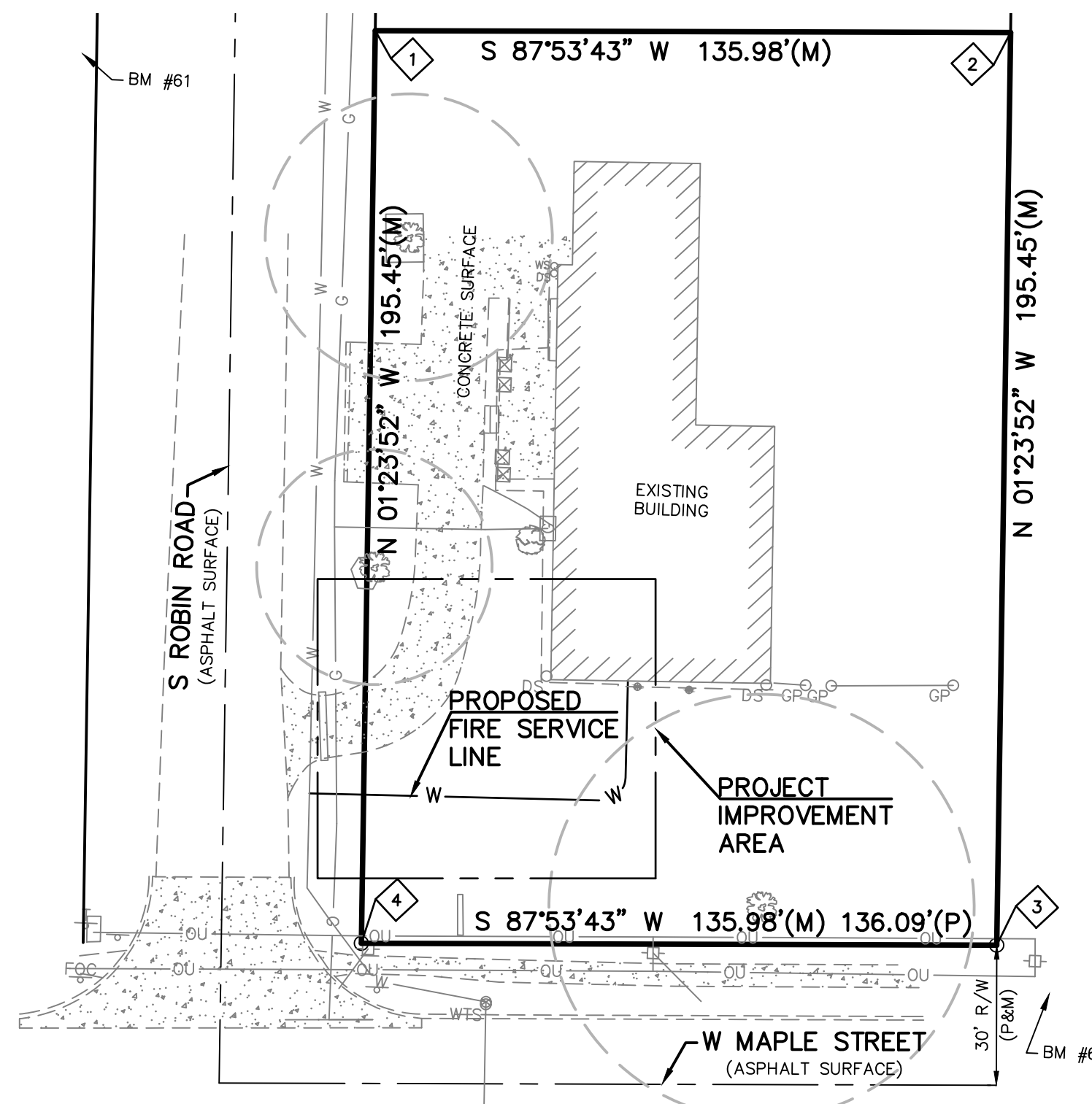
- ALL PROPOSED WATER STRUCTURES TO BE INSTALLED PER CITY OF WICHITA STANDARD DETAILS/ SPECIFICATIONS.

- MAINTAIN A MINIMUM OF 10-FOOT HORIZONTAL SEPARATION BETWEEN ALL WATER LINES (MAINS, SERVICES, AND FIRE HYDRANTS), AND ALL SANITARY SEWER LINES (MAINS, SERVICES, AND MANHOLES). ALL SEPARATION DISTANCES ARE TO BE MEASURED FROM EDGE-TO-EDGE AT THE CLOSEST POINT.

WATER DISTRIBUTION IMPROVEMENTS TO SERVE 254 S. Robin A PORTION OF LOT 32 PARK ACRES SECOND CITY OF WICHITA, KANSAS

Acceptance Date
12-04-2024

PAUL GUNZELMAN, P.E. CITY ENGINEER
PROJECT NUMBER
2024-022512PPW (54030980)



COORDINATE TABLE			
POINT	NORTHING	EASTING	DESCRIPTION
1	1683118.07	1618389.42	BNDRY
2	1683123.07	1618525.31	BNDRY
3	1682927.67	1618530.08	BNDRY
4	1682922.68	1618394.19	BNDRY

Date: 2024-10-21
Inspector: A. Thompson/Jesus Leos
Design/Inspecting Firm: Kaw Valley Engineering, Inc.
Contractor: HM Plumbing
Subcontractor: N/A
Built in general conformance to construction plans, except where noted on plans.

BENCHMARKS

DATUM BENCHMARK:

DATUM IS U.S. SURVEY FEET AND REFERS TO NAVD88 DATUM DERIVED FROM CONNECTIONS TO THE SEDGWICK COUNTY NTRIP NETWORK. ORTHOMETRIC HEIGHT WAS DETERMINED USING THE GEOID 18 MODEL.

BENCHMARKS:

BM #61: FOUND "CHISELED SQUARE" CUT ON TOP OF BACK OF CURB, NORTH END OF SONIC DRIVE PROPERTY, 32± WEST FROM CENTERLINE OF S. ROBIN ROAD, 86± NORTHEAST FROM NORTHEAST CORNER OF THE SONIC DRIVE BUILDING, 37± NORTHEAST FROM A LIGHT POLE BASE. ELEV=1333.39

BM #62: SET CHISELED "SQUARE" CUT AT NORTHEAST CORNER OF CURB INLET, 24± NORTH OF CENTERLINE OF MAPLE STREET, 7.5± SOUTHEAST FROM UTILITY POLE, 83± SOUTHEAST FROM BUILDING CORNER, 20± WEST FROM CENTERLINE PRIVATE DRIVE OF 8510 S. MAPLE ST. PROPERTY. ELEV=1329.44

SAFETY NOTICE TO CONTRACTOR

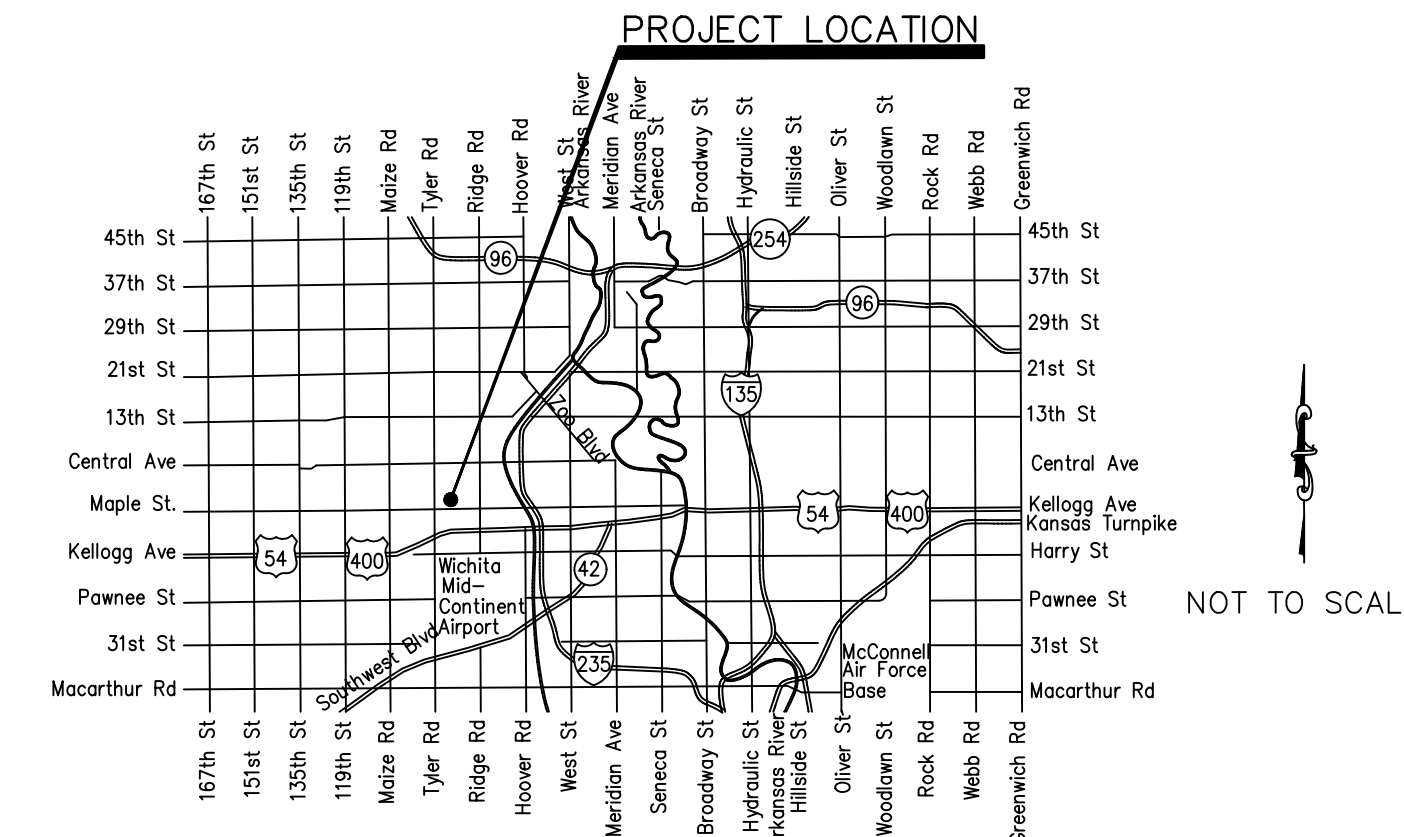
IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.

WARRANTY / DISCLAIMER

THE DESIGNS REPRESENTED IN THESE PLANS ARE IN ACCORDANCE WITH ESTABLISHED PRACTICES OF CIVIL ENGINEERING FOR THE DESIGN FUNCTIONS AND USES INTENDED BY THE OWNER AT THIS TIME. HOWEVER, NEITHER KAW VALLEY ENGINEERING, INC NOR ITS PERSONNEL CAN OR DO WARRANTY THESE DESIGNS OR PLANS AS CONSTRUCTED, EXCEPT IN THE SPECIFIC CASES WHERE KAW VALLEY ENGINEERING PERSONNEL INSPECT AND CONTROL THE PHYSICAL CONSTRUCTION ON A CONTEMPORARY BASIS AT THE SITE.

CAUTION - NOTICE TO CONTRACTOR

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH PROPOSED IMPROVEMENTS SHOWN ON THE PLANS. THE CONTRACTOR SHALL EXPOSE EXISTING UTILITIES AT LOCATIONS OF POSSIBLE CONFLICTS PRIOR TO ANY CONSTRUCTION.



VICINITY MAP

Sheet List Table

- TITLE SHEET
- WATER LINE - PLAN & PROFILE
- EROSION CONTROL PLAN
- WATER ASSEMBLY DETAIL
- MISC WATER DETAIL
- TRENCH & BEDDING DETAILS
- BACK CURB & INLET PROT. & CONST. ENTR. DETAIL
- SILT FENCE BARRIER DETAIL
- STRAW BALE BARRIER DETAIL
- STREET IMPROV. PROJECT DETAIL
- SUBDIVISION DEV. PROCESS DETAIL
- PLAT

APPROVED AS NOTED
BY CITY ENGINEER OF WICHITA
& BY WICHITA FIRE DEPARTMENT

Engineering	Shawn Mellies	DATE 09/23/24
Utilities	Greg Lolley	DATE 09/23/24
Fire Dept.	Chief Jose Ocadiz	DATE 09/23/24

NOTE TO CONTRACTORS

PUBLIC PROPERTY:
Inspection and testing for the waterline is to be provided by a Licensed Consulting Engineering Firm under contract with the Owner/Developer. Said inspection to be in accordance with the City of Wichita standard construction engineering practices and certified by a Licensed Professional Engineer licensed in the State of Kansas. No work shall be performed in dedicated easements or public right-of-way by the Contractor without such inspection nor shall any work be commenced without written authorization by City Engineering. All Construction and Materials shall comply with the City of Wichita Specifications and Standards and Special Provision (on file and available in the City Engineer's Office) or on the City's Website.

PRIVATE PROPERTY:
Installation and testing for the fire protection line is to be performed by a City of Wichita licensed fire protection contractor in accordance with the fire codes as adopted by the City of Wichita. All material and construction practices for the fire protection line shall comply with the fire codes as adopted by the City of Wichita (available from the City of Wichita Fire Department). The Contractor shall not commence work without notification and approval of the Wichita Fire Department. Inspection of the fire protection line is to be provided by a licensed Engineering Firm under contract with the Owner/Developer and the Fire Department. The contractor shall not start work until the project inspector is assigned to the project and present on the site. Any work done without inspection will be required to be uncovered for inspection.

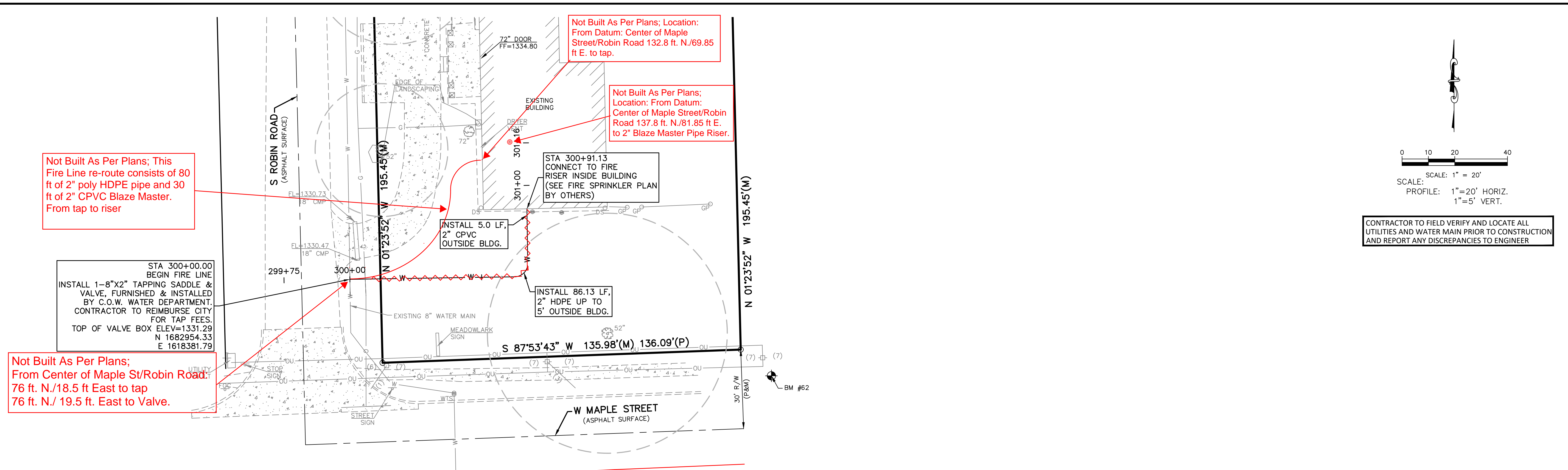
An approved copy of these plans signed by City staff are required on-site.

SEPTEMBER 2024

PROJ. NO. G24-2725 DSN: KAP SUNDIATA MARCELIN
CFN: 2939WTS DWN: CS ENGINEER
KS # 29546
9139 E. 37TH STREET NORTH
WICHITA, KANSAS 67226
PH. (316) 440-4304
www.kveng.com | www.kveng.com
KAW VALLEY ENGINEERING
KAW VALLEY ENGINEERING, INC., IS AUTHORIZED TO OFFER
ENGINEERING SERVICES BY KANSAS STATE CERTIFICATE OF
AUTHORIZATION # E-113. EXPIRES 12/31/24

THE COORDINATES PROVIDED IN THESE PLANS ARE FOR INFORMATION AND CHECKING PURPOSES ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CALCULATE CONSTRUCTION STAKING COORDINATES ACCORDING TO THE DIMENSIONS SHOWN ON THESE PLANS. CONTRACTOR SHALL VERIFY THE ACCURACY OF THE COORDINATES SHOWN IN THE TABLE HEREON BEFORE CONSTRUCTION.

THIS PLAN SHEET IS PART OF AN OVERALL KAW VALLEY ENGINEERING PLAN SET FOR THE SPECIFIC IMPROVEMENTS CONTEMPLATED THEREIN. AS SUCH, THE INFORMATION CONTAINED MAY BE LIMITED AND SHOULD ONLY BE INTERPRETED WITHIN THE CONTEXT OF THE COMPLETE PLAN SET.



Not Built As Per Plans; This Fire Line re-route consists of 80 ft of 2" poly HDPE pipe and 30 ft of 2" CPVC Blaze Master. From tap to riser

Not Built As Per Plans; From Center of Maple St/Robin Road: 76 ft. N./18.5 ft East to tap 76 ft. N./ 19.5 ft. East to Valve.

Not Built As Per Plans: Location: From Datum: Center of Maple Street/Robin Road 132.8 ft. N./69.85 ft E. to tap.

Not Built As Per Plans; Location: From Datum: Center of Maple Street/Robin Road 137.8 ft. N./81.85 ft E. to 2" Blaze Master Pipe Riser.

STA 300+00.00 BEGIN FIRE LINE INSTALL 1-8"x2" TAPPING SADDLE & VALVE, FURNISHED & INSTALLED BY C.O.W. WATER DEPARTMENT. CONTRACTOR TO REIMBURSE CITY FOR TAP FEES. TOP OF VALVE BOX ELEV=1331.29 N 1682954.33 E 1618381.79

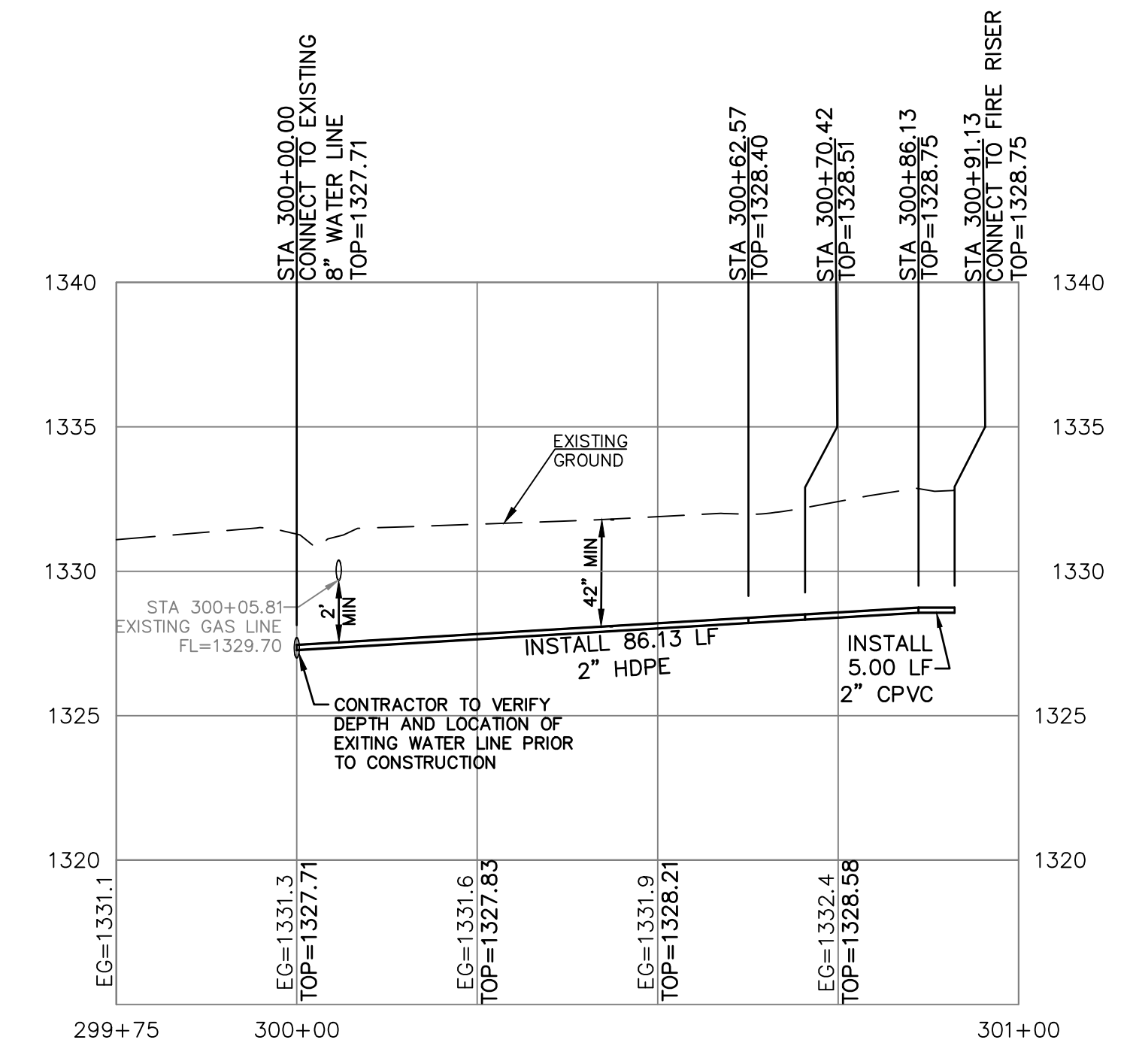
INSTALL 5.0 LF, 2" CPVC OUTSIDE BLDG.

STA 300+91.13 CONNECT TO FIRE RISER INSIDE BUILDING (SEE FIRE SPRINKLER PLAN BY OTHERS)

INSTALL 86.13 LF, 2" HDPE UP TO 5' OUTSIDE BLDG.

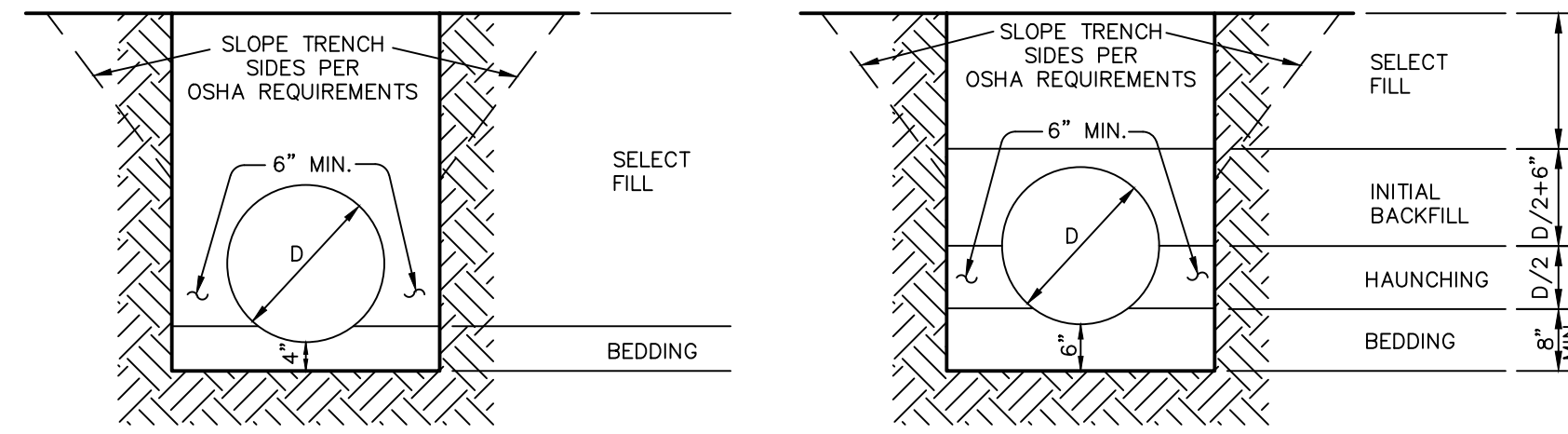
NOTES: THE CONNECTION TO THE FIRE RISER IS PART OF THE PPW.

Actual center line of Maple St.



PROJ. NO.	G24-2939
DESIGNER	KP
DRAWN BY	BKR
CFN	2939WMP
SHEET	2
REV	0
REV DATE	09/25/24
INITIAL ISSUE	
DESCRIPTION	DSN DWN CHK
<p>SUNDIATA MARCELIN ENGINEER KS # 29546</p>	
<p>MEADOWLARK ROBIN FIRE SERVICE LINE 254 S ROBIN ROAD WICHITA, KANSAS</p>	
<p>WATER LINE IMPROVEMENTS WATER LINE - PLAN & PROFILE</p>	
<p>9139 E. 37TH STREET, NORTH WICHITA, KANSAS 67226 PH. (316) 440-4304 www.kawvalleyeng.com www.kveing.com</p>	
<p>KAW VALLEY ENGINEERING KAW VALLEY ENGINEERING, INC., IS AUTHORIZED TO OFFER ENGINEERING SERVICES BY KANSAS STATE CERTIFICATE OF AUTHORIZATION # E-113. EXPIRES 12/31/24</p>	

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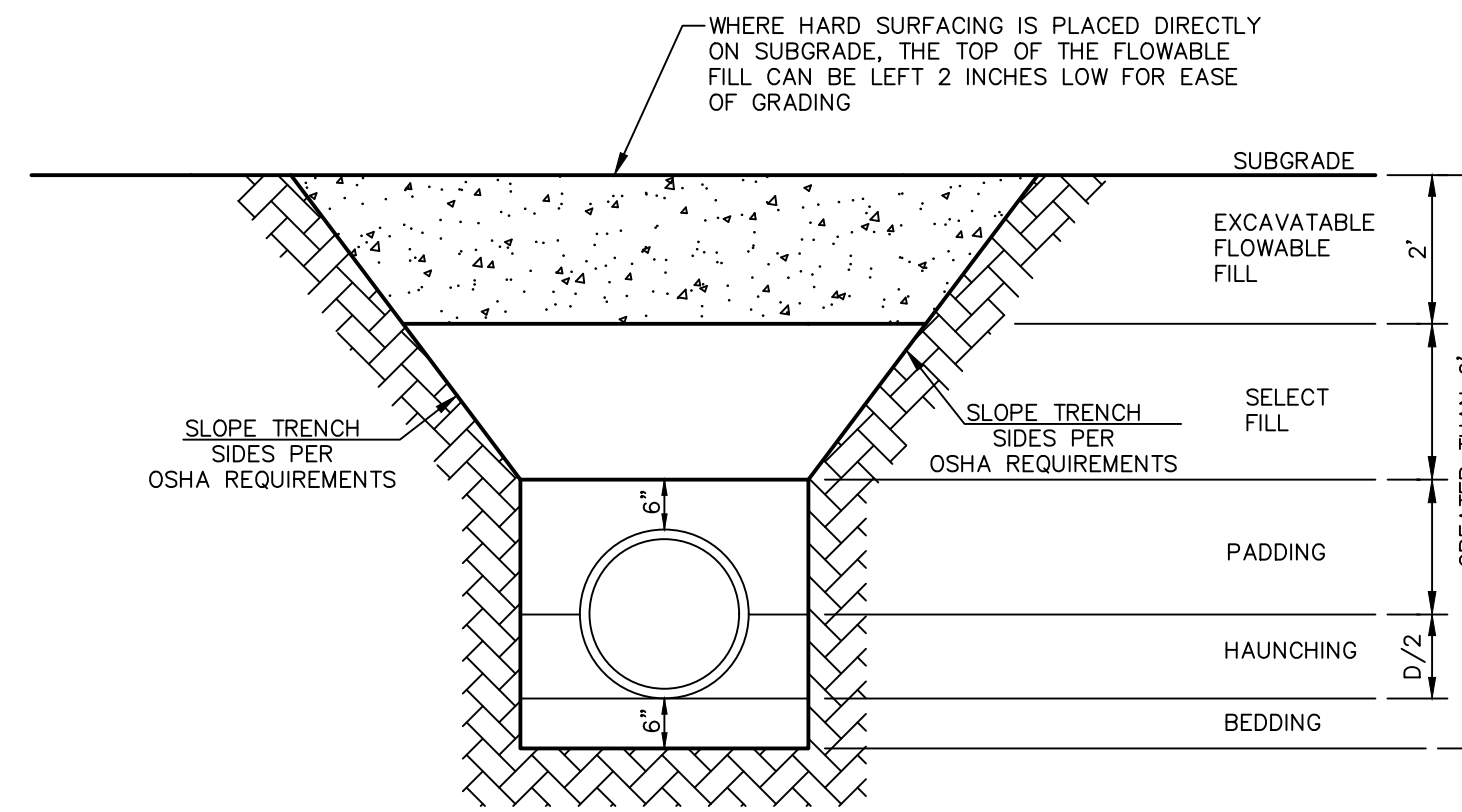
RIGID PIPE: INCLUDES REINFORCED CONCRETE, DUCTILE IRON, & CAST IRON

1. BEDDING SHALL BE COMPACTED SAND AND SHALL BE SHAPED TO THE BOTTOM OF THE PIPE.
2. SELECT FILL SHALL BE NATIVE MATERIAL FREE OF LARGE ROCKS, DEBRIS, AND ORGANICS (3"+) AND SHALL BE PLACED IN 8" MAX. LOOSE LIFTS AND COMPACTED IN ACCORDANCE WITH SPECIFICATIONS.

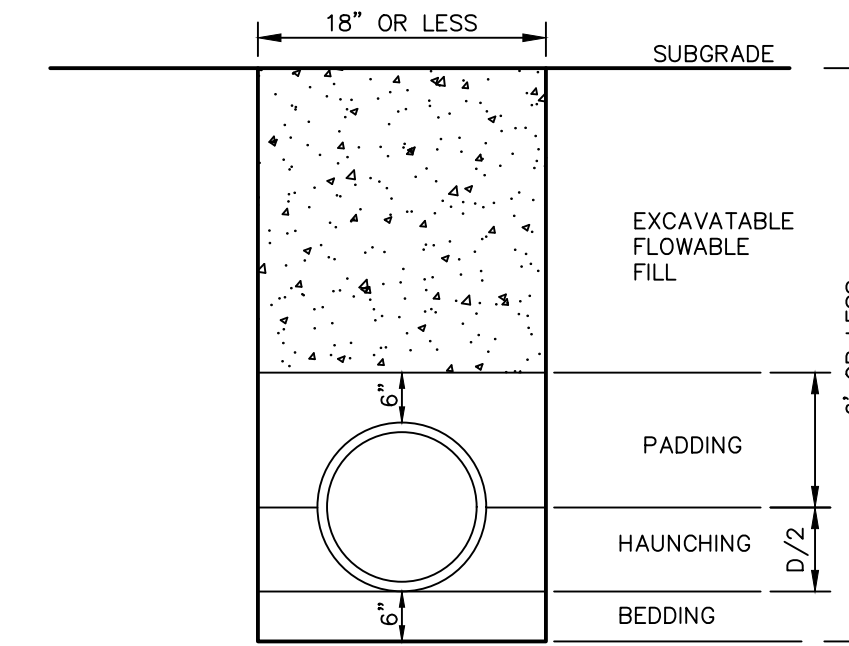
FLEXIBLE PIPE: INCLUDES CORRUGATED METAL PIPE, CORRUGATED POLYETHYLENE PIPE AND/OR POLYVINYL CHLORIDE PIPE.

1. BEDDING AND HAUNCHING MATERIAL SHALL BE COMPACTED SAND, UNLESS NOTED OTHERWISE ON PLANS AND SHALL BE SHAPED TO THE BOTTOM OF THE PIPE.
2. INITIAL BACKFILL MATERIAL SHALL BE GRANULAR MATERIAL OR SELECT MATERIAL (INCLUDING SAND) COMPACTED IN ACCORDANCE TO SPECIFICATIONS.
3. SELECT FILL PLACEMENT AND COMPACTION SAME AS FOR RIGID PIPE.

TRENCH AND BEDDING DETAILS 206

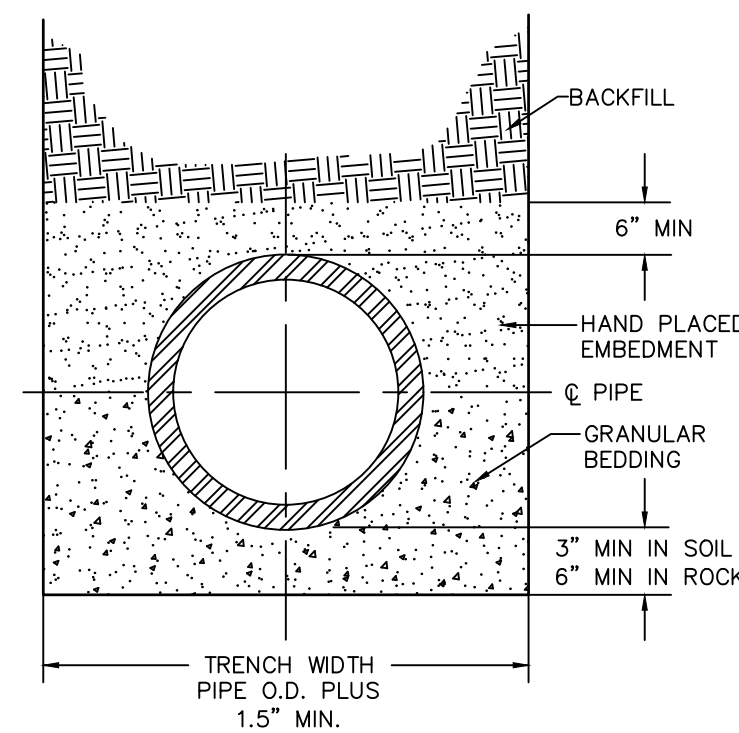


1. BEDDING, HAUNCHING AND PADDING MATERIAL SHALL BE COMPACTED SAND, UNLESS NOTED OTHERWISE ON PLANS AND SHALL BE SHAPED TO THE BOTTOM OF THE PIPE AND A MINIMUM OF 6" ABOVE THE PIPE.
2. SELECT FILL SHALL BE NATIVE MATERIAL FREE OF LARGE ROCKS, DEBRIS, AND ORGANICS (3" OR LESS) AND SHALL BE PLACED IN 8" MAX. LIFTS AND COMPACTED IN ACCORDANCE WITH SPECIFICATIONS.



1. BEDDING, HAUNCHING AND PADDING MATERIAL SHALL BE COMPACTED SAND, UNLESS NOTED OTHERWISE ON PLANS AND SHALL BE SHAPED TO THE BOTTOM OF THE PIPE AND A MINIMUM OF 6" ABOVE THE PIPE.

TRENCH AND BEDDING DETAILS FOR STREET CROSSINGS 206A



- NOTES:**
 GRANULAR BEDDING: GRANULAR BEDDING SHALL BE CRUSHED CLEAN ROCK WITH LESS THAN 95% PASSING A 1/2" SCREEN AND NOT LESS THAN 95% RETAINED ON A #4 SCREEN; TO BE PLACED IN NOT MORE THAN 6" LAYERS AND COMPACTED BY SLICING WITH A SHOVEL OR BY VIBRATING.
 COMPACTED BACKFILL: COMPACTED BACKFILL SHALL BE FINELY DIVIDED, JOB EXCAVATED MATERIAL FREE FROM DEBRIS, ORGANIC MATERIAL, AND STONES, PLACED IN UNIFORM LAYERS NOT MORE THAN 8" THICK, COMPACTED TO 95%
 HAND PLACED BACKFILL: EMBEDMENT SHALL BE FINELY DIVIDED, JOB EXCAVATED MATERIAL FREE FROM DEBRIS, ORGANIC MATERIAL, AND STONES, PLACED IN UNIFORM LAYERS NOT MORE THAN 8" THICK AND TAMPED AROUND WATER MAIN. GRANULAR EMBEDMENT, AS DESCRIBED ABOVE, MAY BE SUBSTITUTED FOR ALL OR PART OF THIS TYPE OF EMBEDMENT.
 TRENCH BACKFILL: BACKFILL FOR THE ENTIRE LENGTH OF THE PIPELINE MUST BE COMPACTED FOR THE FULL DEPTH OF THE TRENCH ABOVE THE GRANULAR EMBEDMENT OF HAND PLACED EMBEDMENT.
 FOR PVC PIPE, A LAYER OF GRANULAR BEDDING 6" THICK MUST BE PLACED ABOVE THE PIPE.

TYPICAL BEDDING DETAIL 208

0	09/25/24	INITIAL ISSUE	DSN	KAP	CS	SMM
		DESCRIPTION				CHK



SUNDIATA MARCELIN
ENGINEER
KS # 29546

KAW VALLEY ENGINEERING
 KAW VALLEY ENGINEERING, INC., IS AUTHORIZED TO OFFER ENGINEERING SERVICES BY KANSAS STATE CERTIFICATE OF AUTHORIZATION # E-113. EXPIRES 12/31/24

9139 E. 37TH STREET, NORTH WICHITA, KANSAS 67226
 PH. (316) 440-4304
 www.kveeng.com | www.kveeng.com

MEADOWLARK ROBIN FIRE SERVICE LINE
 254 S ROBIN ROAD
 WICHITA, KANSAS
 WATER LINE IMPROVEMENTS
 TRENCH & BEDDING DETAILS

PROJ. NO.	G24-2939
DESIGNER	KP
DRAWN BY	BKR
CFN	2939DET
SHEET	REV
6	0

