

**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 (GAS) 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 1-888-482-4850  
EVERGY 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 CITY 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 ABUTTING 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 FIELD GRADES BY THE CONTRACTOR.
- THE CONTRACTOR SHALL NOTIFY THE INSPECTING ENGINEER AND DAWNITA REINHARDT AT 650-0740 WITH THE CITY OF WICHITA 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, MIKE ARMOUR AT [traffice@wichita.gov](mailto:traffice@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 CONTRACTOR'S RESPONSIBILITY.
- ALL ELEVATIONS SHOWN ARE CARGILL DATUM. (CARGILL +0.3'=CITY OF WICHITA DATUM)
- ALL AREAS DISTURBED DURING CONSTRUCTION THAT WILL NOT BE UNDER PROPOSED PAVEMENT SHALL BE RESTORED TO MATCH EXISTING CONDITIONS.
- ALL PVMT, REMOVAL AND REPLACEMENT WILL BE IN CARGILL BEAN DUMP PACKAGE. IF PAVEMENT IS REMOVED IN RIGHT-OF-WAY, THE COW WILL REQUIRE A PAVEMENT CUT PERMIT.
- 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 316-268-4555.
- CITY MAINTENANCE OF WATER MAINS ENDS AT RIGHT-OF-WAY OR EASEMENT LINE OR WITHIN TWO FEET OF VAULT.
- 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.
- MAINTAIN A MINIMUM OF 2-FOOT VERTICAL SEPARATION BETWEEN ALL WATER LINES (MAINS AND SERVICES) AND ALL GRAVITY SANITARY SEWER LINES (MAINS, SERVICES, AND MANHOLES) AT CROSSINGS. ALL SEPARATION DISTANCES ARE TO BE MEASURED FROM EDGE-TO-EDGE, AT THE CLOSEST POINT.
- MAINTAIN A MINIMUM OF 2-FOOT VERTICAL SEPARATION BETWEEN ALL WATER LINES (MAINS AND SERVICES) AND ALL PRESSURIZED SANITARY SEWER LINES (FORCE MAINS AND SERVICES) AT CROSSINGS. WATERLINES MUST ALWAYS BE PLACED ABOVE PRESSURIZED SANITARY SEWER LINES WHERE THEY CROSS. ALL SEPARATION DISTANCES ARE TO BE MEASURED FROM EDGE-TO-EDGE, AT THE CLOSEST POINT.
- CONTRACTOR SHALL LIMIT THE EXTENT OF TRENCH OPEN OVERNIGHT AND WEEKENDS TO LESS THAN 50 FEET.
- EXISTING UTILITIES AND THEIR LOCATION, AS SHOWN ON THE PLANS REPRESENT THE BEST INFORMATION OBTAINABLE FOR DESIGN. LOCATION INFORMATION HAS BEEN OBTAINED FROM THE VARIOUS COMPANIES AND IS EITHER FROM COMPANY UTILITY DRAWINGS OR COMPANY PROVIDED FIELD LOCATIONS. THE PLAN LOCATIONS SHOWN ARE NOT GUARANTEED. ADDITIONAL EXISTING UTILITIES MAY ALSO BE ENCOUNTERED.
- OPENING AND CLOSING OF WATER VALVES SHALL BE DONE SLOWLY TO PREVENT DAMAGE TO THE WATER DISTRIBUTIONS 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 24 HOURS. PROPOSED TIE IN LOCATIONS WHICH WILL AFFECT WATER SERVICE TO PROPERTY OWNERS SHALL BE PERFORMED 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 MANUFACTURERS RECOMMENDED MAXIMUM. WHERE DEFLECTIONS ARE GREATER THAN THE MAXIMUM ALLOWED, THE CONTRACTOR SHALL UTILIZE GIM LONG SLEEVE OR MULTIPLE JOINTS.
- ANY EXISTING JOINT EXPOSED DURING EXCAVATION SHALL BE REPLACED IF WITHIN FOUR FEET OF PROPOSED TAP.
- 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.
- THE CONTRACTOR SHALL PROTECT FROM DAMAGE AND SUPPORT EXISTING UTILITIES THROUGH CONSTRUCTION AS APPROVED BY THE UTILITY OWNER AND THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
- WORK DONE UNDER THIS PROJECT IS SUBJECT TO THE CITY OF WICHITA REQUIREMENTS FOR "CONSTRUCTION OF INFRASTRUCTURE IMPROVEMENTS BY PRIVATE CONTRACTOR". THE CONTRACTOR SHALL BE FAMILIAR AND COMPLY WITH ALL OF THE REQUIREMENTS, INCLUDING BONDING, INSPECTION, TESTING, NOTIFICATION, PROVIDING AS-BUILT DRAWINGS, PAYING FOR ALL NECESSARY CONNECTIONS, AND/OR STREET REPAIR FEES AND PROVIDING PIPE MATERIAL AND OTHER CERTIFICATIONS.

**PRIVATE WATER DISTRIBUTION SYSTEM IMPROVEMENTS**

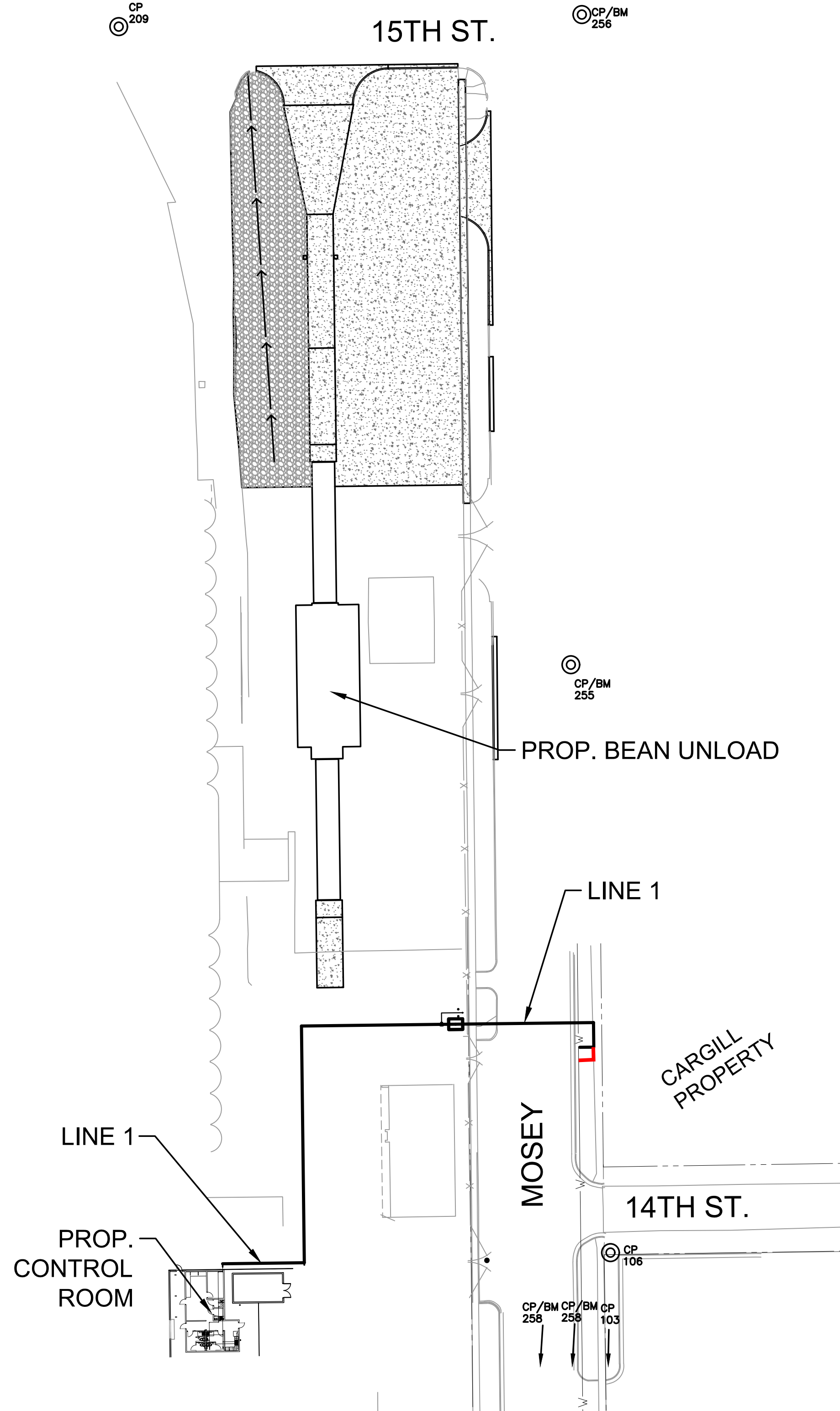
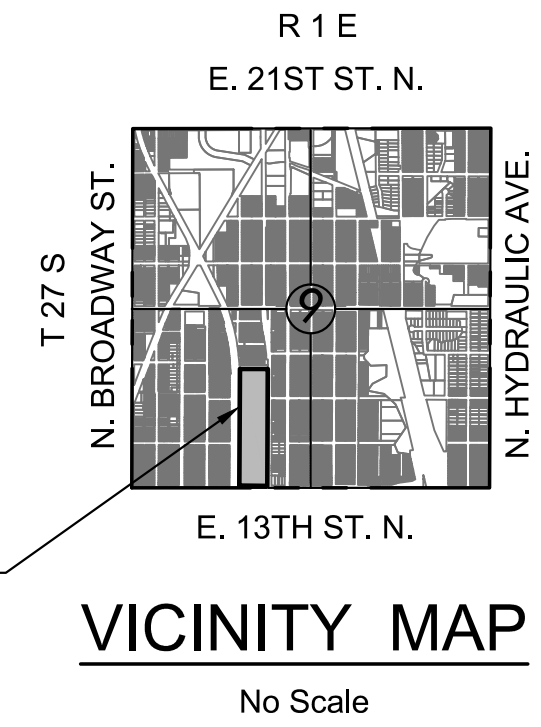
TO SERVE

**CARGILL BEAN UNLOAD**

PROJECT NO. PPW-2021-015780 ORG CODE 54030980

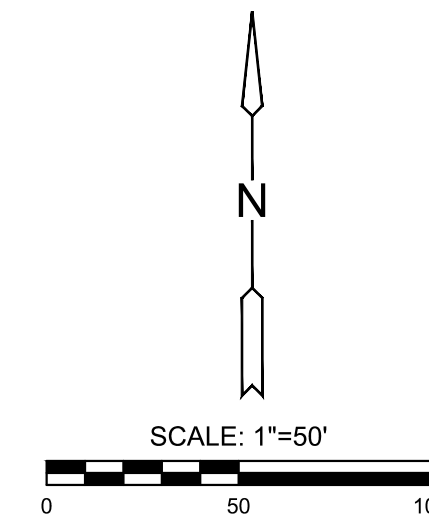
THE CITY OF WICHITA, KANSAS  
GARY JANZEN, P.E. - CITY ENGINEER

AS-BUILT PLAN - SEPT. 2021  
INSPECTED BY: Larry Schaller, P.E. (MKEC Engineering, Inc.)  
CONSTRUCTED BY: Wildcat Construction  
SUPERINTENDENT: Tyler Oblinger  
SUPPLIER: Wichita Winwater Company



**VALVE OPERATION AND PAVEMENT REPAIR NOTES:**

- WATER LINE VALVES TO BE OPERATED BY CONTRACTOR ONLY IF WATER INSPECTOR IS ON SITE.
- ALL PAVEMENT IN CITY ROW TO BE REMOVED AND REPLACED BY COW PAVEMENT CUT PERMIT. CONTRACTOR WILL BE RESPONSIBLE FOR PROPERLY BACKFILLING THE EXCAVATION (SAND, FLUSHED AND VIBRATED), PLACING AND COMPACTING A CRUSHED ROCK BASE COURSE, AND PLACING 2" OF ASPHALT. THIS WILL SERVE AS THE TEMPORARY PAVEMENT PATCH UNTIL THE PERMANENT PATCH IS PLACED BY THE CITY OF WICHITA. CONTRACTOR WILL BE RESPONSIBLE FOR THE TEMPORARY PATCH UNTIL THE PERMANENT PATCH IS PLACED.



**BENCHMARKS**

Survey Control  
2001060197 Cargill Wichita Bean Dump Layout

Datum:  
The Horizontal Datum is based on the Kansas Coordinate System of 1983, NAD83(2011), EPOCH:2010.0000, South Zone. Coordinates shown have been modified to the ground using a combined adjustment factor of 1.0001200144. State Plane coordinates can be calculated by multiplying the shown values by 0.99988.

All elevations shown are based on the existing Cargill vertical datum.

Control Points (GND):  
CP 103  
N: 1694073.289 E: 1651689.326 EL: 116.913  
5/8" by 24" Rebar with red MKEC CP cap

CP 106  
N: 1694493.368 E: 1651697.229 EL: 117.390  
5/8" by 24" Rebar with red MKEC CP cap

CP 209  
N: 1695192.321 E: 1651416.861 EL: 119.295  
PKN nail and washer labeled MKEC CP

CP 255  
N: 1694828.538 E: 1651674.646 EL: 117.22  
+Cut TC East side of Mosey in-front of Hammel Scale

CP 256  
N: 1695199.179 E: 1651608.893 EL: 117.749  
+Cut TC @ PC on NW Corner of Moseley & 15th

CP 257  
N: 1693789.705 E: 1651616.413 EL: 117.540  
+Cut TC @ NE Corner parking lot on SW corner of Moseley & 13th

CP 258  
N: 1693507.366 E: 1651602.513 EL: 116.770  
+Cut on parking lot TC 14.5' N of 3rd entrance from SE corner Truck parking lot.

Benchmarks:  
BM 255  
N: 1694828.538 E: 1651674.646 EL: 117.22  
+Cut TC East side of Mosey in-front of Hammel Scale

BM 256  
N: 1695199.179 E: 1651608.893 EL: 117.749  
+Cut TC @ PC on NW Corner of Moseley & 15th

BM 257  
N: 1693789.705 E: 1651616.413 EL: 117.540  
+Cut TC @ NE Corner parking lot on SW corner of Moseley & 13th

BM 258  
N: 1693507.366 E: 1651602.513 EL: 116.770  
+Cut on parking lot TC 14.5' N of 3rd entrance from SE corner Truck parking lot.

Note:  
All Control Points shown have elevations established using standard surveying procedures and can be used as temporary benchmarks. When using a Control point as a temporary benchmark, it is recommended that cross-checks be made to other control points or benchmarks to confirm elevations prior to use.

**INDEX TO DRAWINGS**

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2-4	DETAILS
5	LINE 1
6-10	BMP'S

**LEGEND**

- W — EXISTING WATER
- — — PROPOSED WATER



APPROVED AS NOTED  
BY WICHITA PUBLIC WORKS  
ENGINEERING DIVISION  
& BY WICHITA FIRE DEPARTMENT

Engineering BEN FERGUSON 07/29/2021  
Utilities GREG LOLLEY 07/29/2021  
Fire Department JOSE OCADIZ 07/29/2021

NOTE TO CONTRACTORS

Public Property:  
Inspection and testing for the water line 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 Professional Engineer Licensed in the state of Kansas. No work shall be performed in dedicated easements or public rights-of-way by the Contractor without such inspection nor shall any work be commenced without written authorization by the City Engineer. 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 is required on-site.

NOTE: ALL LINES TO BE INSTALLED BY OTHERS ARE SUBJECT TO MABCD REVIEW.

NOTE: CONTRACTOR TO VERIFY DEPTH AND LOCATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.



PRIVATE WATER DISTRIBUTION SYSTEM IMPROVEMENTS FOR  
**CARGILL BEAN UNLOAD**  
WICHITA, KANSAS

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**TITLE SHEET**

PROJECT NO.	2021-015780	
DATE	JULY 2021	
SCALE	1"=50'	
DESIGNED	DRAWN	CHECKED
CRM	CRM	SLF

NO.	REVISION	DATE

SHEET NO.  
01 OF 10

K:\PROJECTS\2021\2001060197\_CARGILL\_WICHITA\_BEAN\_DUMP\00\_2001060197\_CAD\SHS\05\CIVIL\WTR\2001060197\_05\_2000PPW.DWG PLOTTED: Thursday, July 29, 2021 9:04:17PM

K:\PROJECTS\2020\2001080197\_CARGILL\_WICHITA\_BEAN DUMP\2020\197\_CAD\SHOTS\05\_CIVIL\WTR20197\_05\_3000P\FM.DWG  
 PLOTTED: Thursday, July 28, 2021 @ 04:17PM

TAP MOVED 5.75' SOUTH DUE TO 4" KANSAS GAS LINE.

SEE WILDCAT DETAIL SHEET 1; 4" KGS ALIGNMENT DID NOT MATCH SURVEY, RESULTED IN WATERLINE SHIFT.

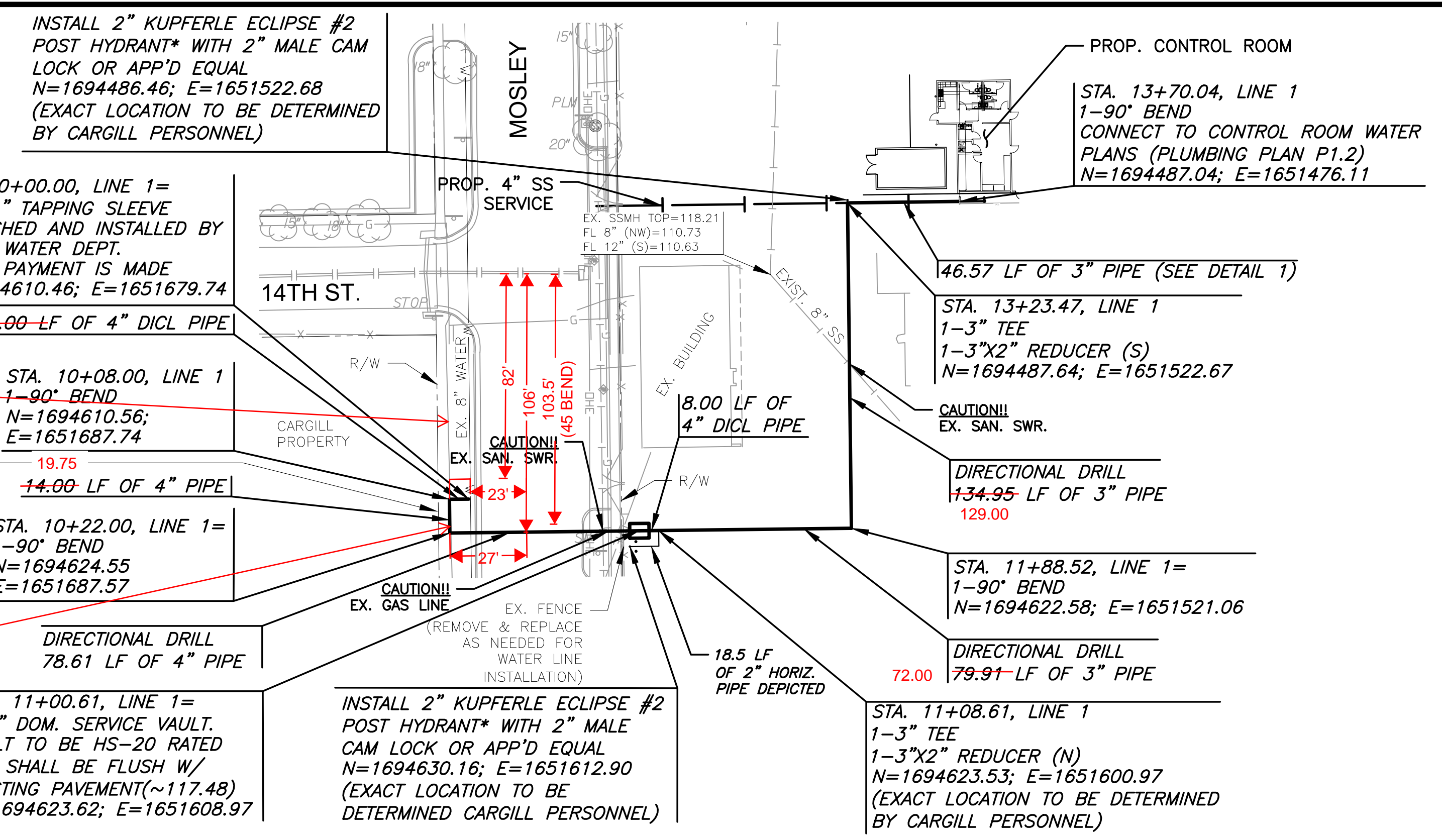
TWO 45 DEGREE BENDS TO GET DOWN TO DIRECTIONAL DRILL DEPTH WITH 19.75' LENGTH, ONE 45 DEGREE BEND AT 17.27' AND ONE AT 19.75' THAT WAS FLANGED TO THE 90 DEGREE BEND AT STA. 10+22.

**NOTE:**  
\*THE LENGTH OF 2" PIPE REQUIRED FOR THE PLACEMENT OF THE 2" KUPFERLE POST HYDRANTS SHALL BE SUBSIDIARY TO THE HYDRANT.

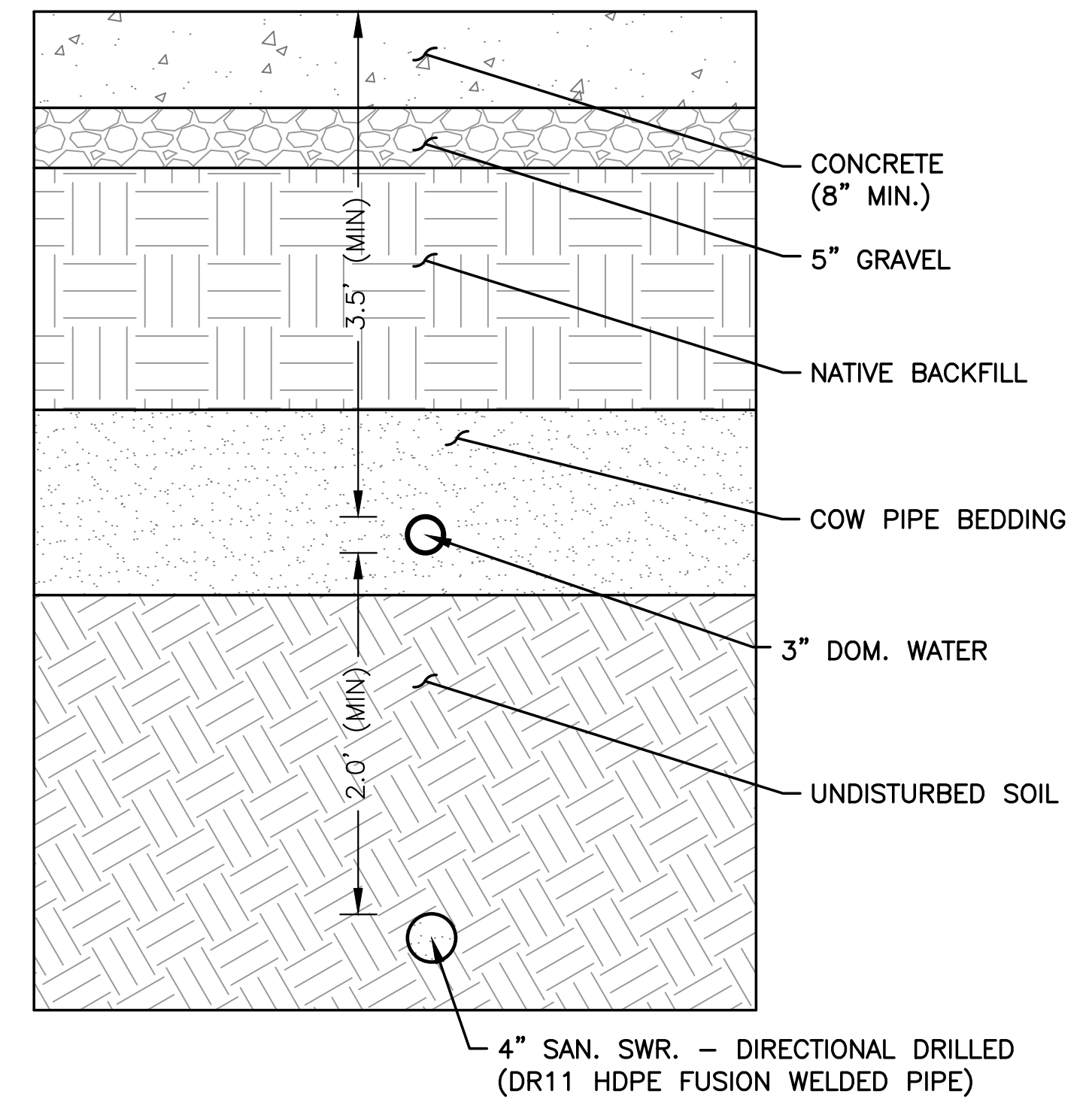
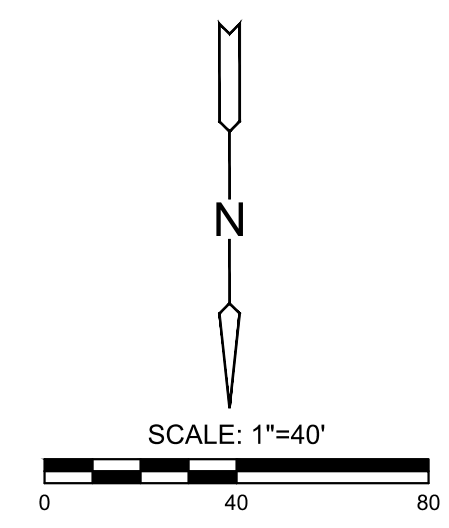
**PAVEMENT CUT PERMIT NOTE:**  
CONTRACTOR REFER TO GENERAL NOTE 13 AND VALVE OPERATION AND PAVEMENT REPAIR NOTE 2 ON THE COVER SHEET.

CONTRACTOR SHALL ACCOUNT FOR PAVEMENT CUT PERMIT/REPAIR FEES FOR PAVEMENT/SIDEWALK REPAIRS WITHIN THE CITY RIGHT-OF-WAY.

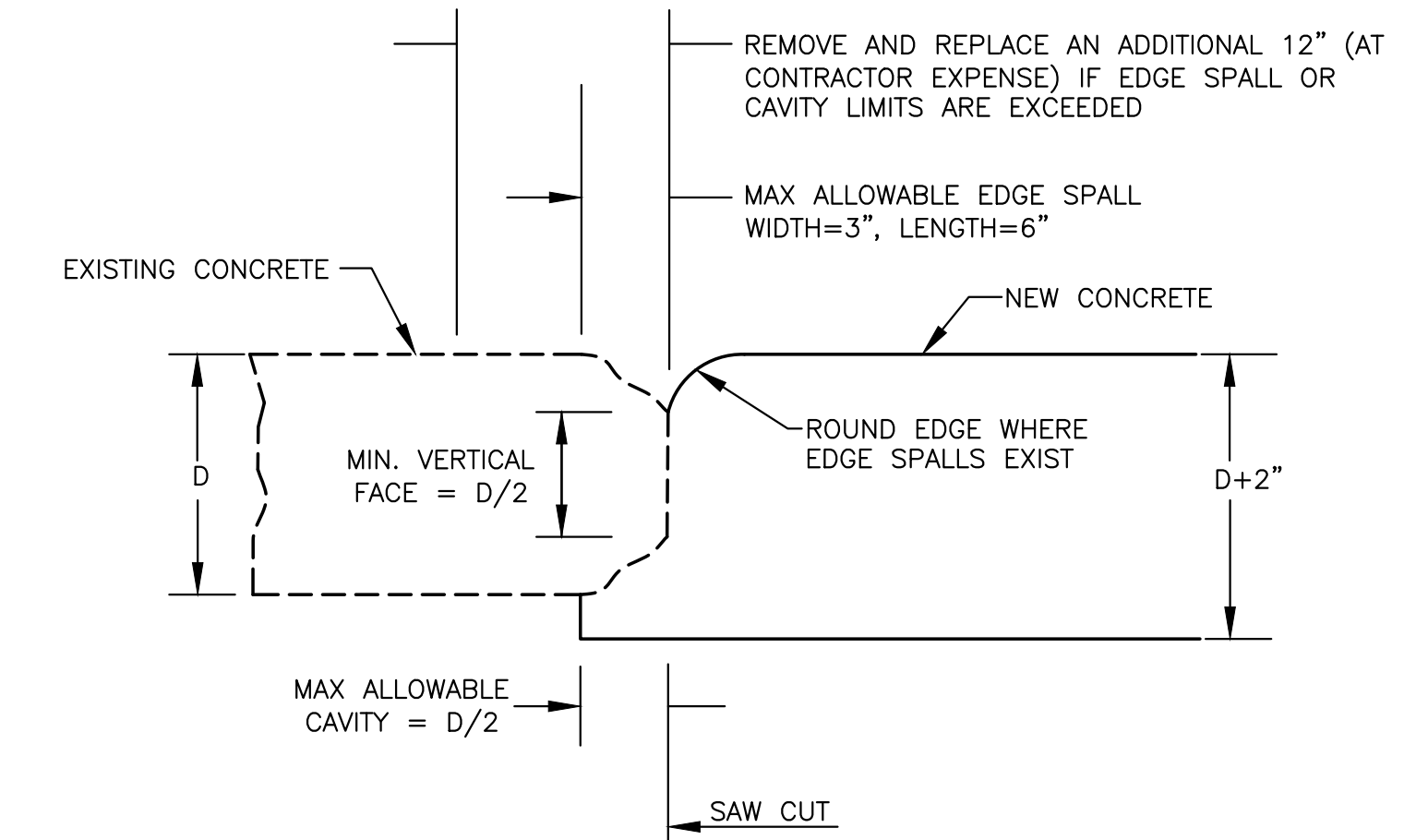
**PRIVATE PAVEMENT PATCHING NOTE:**  
ALL PAVEMENT PATCHING ON CARGILL'S PROPERTY SHALL FOLLOW DETAILS 2 & 3 ON HIS SHEET.



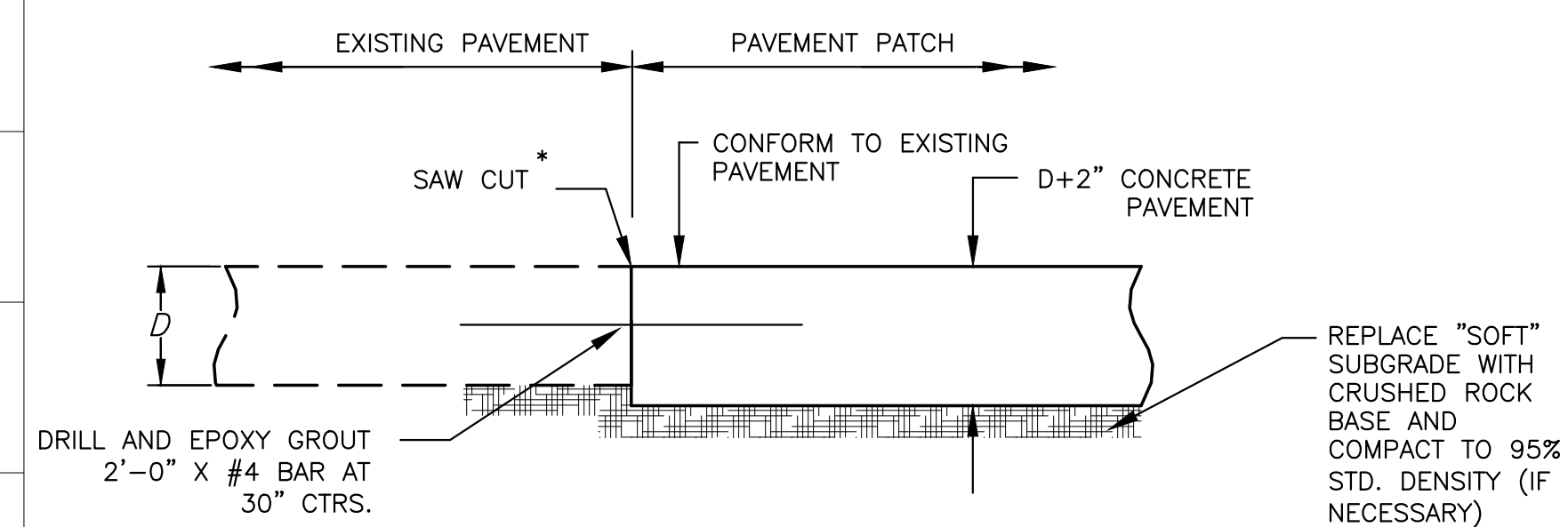
AS-BUILT PLAN - SEPT. 2021



1 SS AND WATER TYPICAL SECTION  
NTS

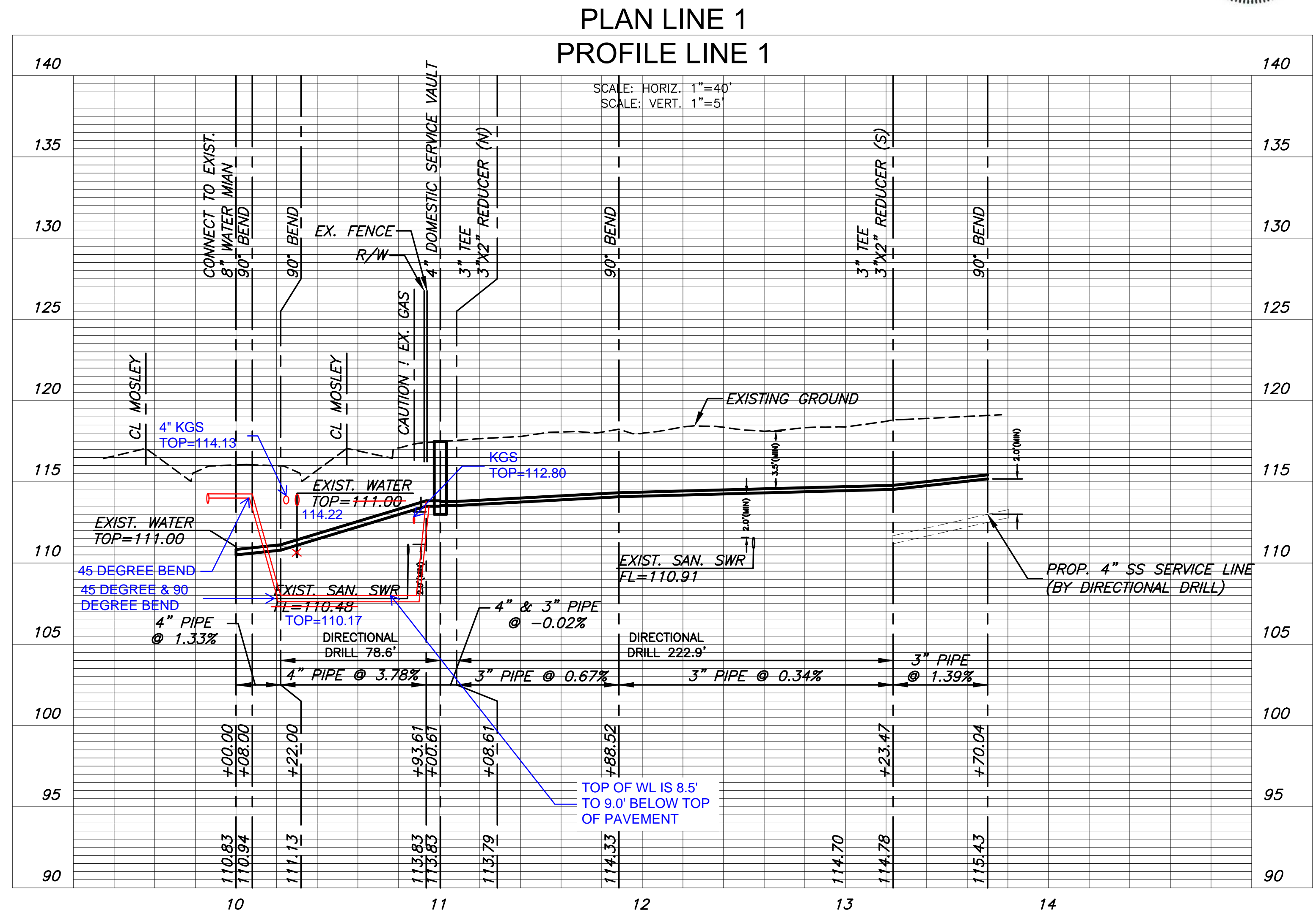


2 CONCRETE PAVEMENT REMOVAL DETAIL  
SCALE: NTS



3 FULL DEPTH CONCRETE PAVEMENT PATCH DETAIL  
SCALE: NTS

\* IF CUT LINE IS WITHIN 3'-0" OF AN EXISTING JOINT. REMOVE AND REPLACE PAVEMENT AT THE JOINT LINE.



PRIVATE WATER DISTRIBUTION SYSTEM IMPROVEMENTS FOR  
**CARGILL BEAN UNLOAD**  
 WICHITA, KANSAS

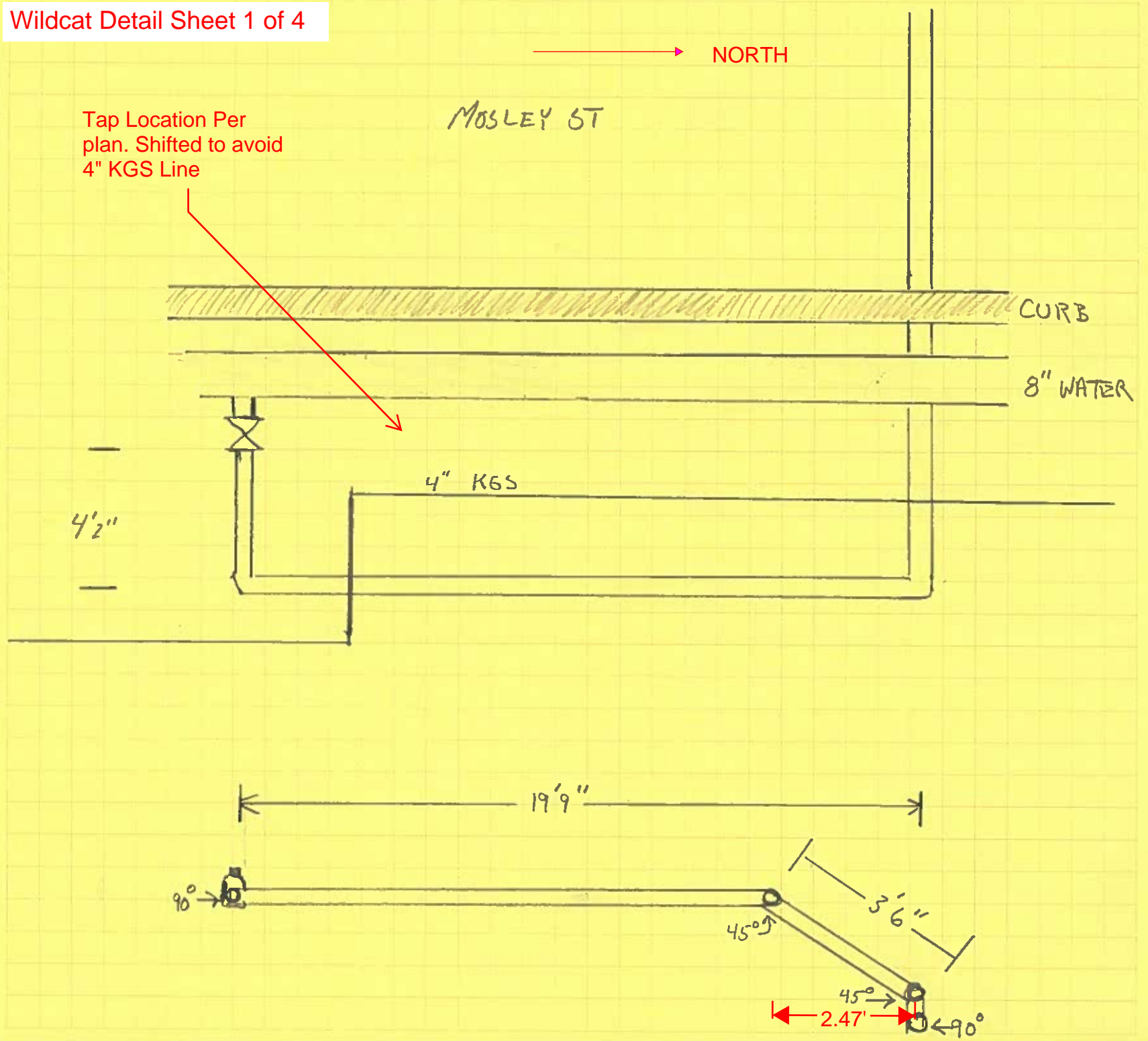
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<b>LINE 1</b>		
PROJECT NO.	2021-015780	
DATE	JULY 2021	
SCALE	1"=40'	
DESIGNED	DRAWN	CHECKED
CRM	CRM	CRM
NO.	REVISION	DATE
SHEET NO. 05 OF 10		

Wildcat Detail Sheet 1 of 4

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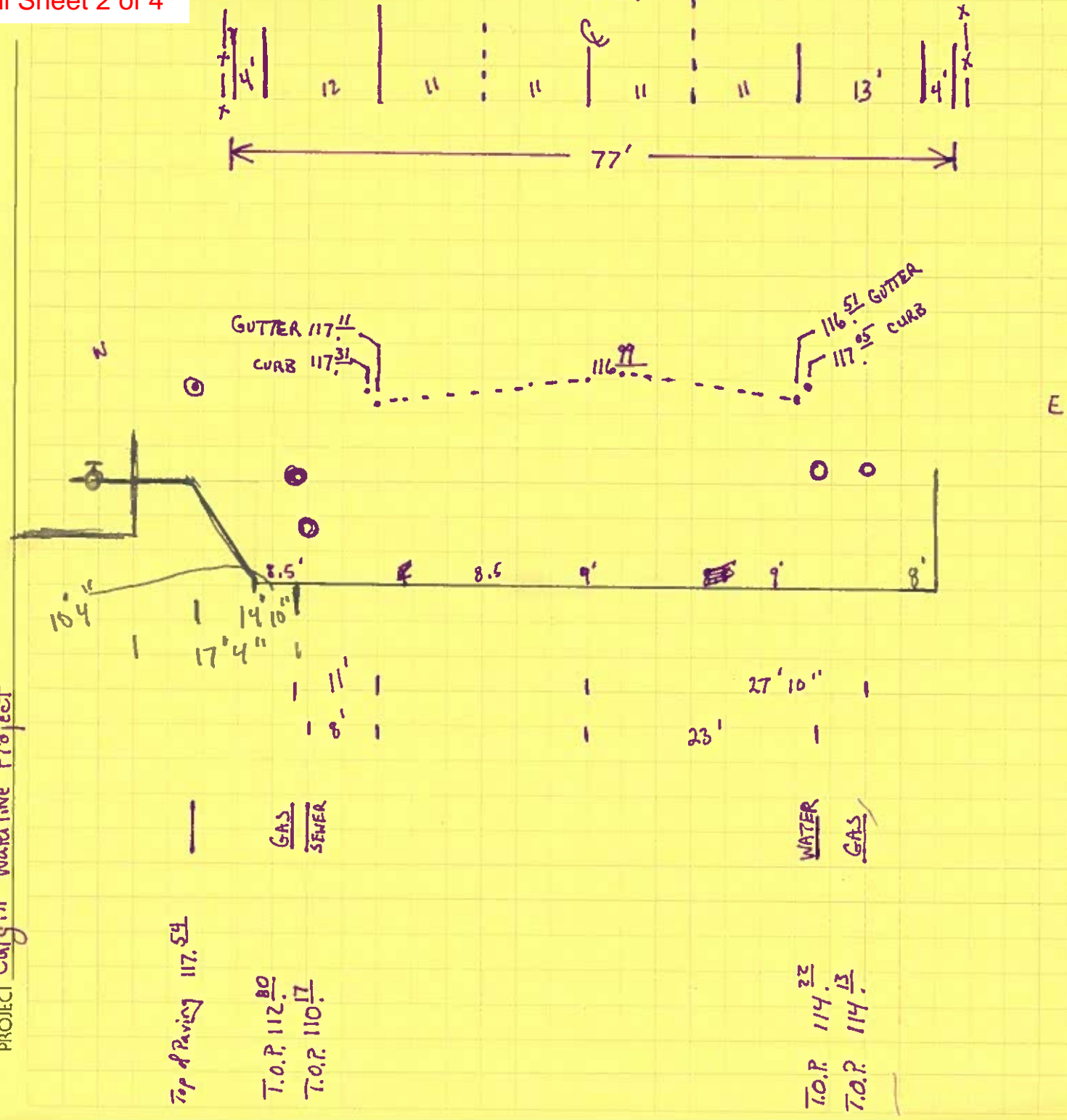
PROJECT \_\_\_\_\_





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PROJECT Cargill Waterline Project



Top of Paving 117.54

T.O.P. 112.80

T.O.P. 110.17

T.O.P. 114.22

T.O.P. 114.13

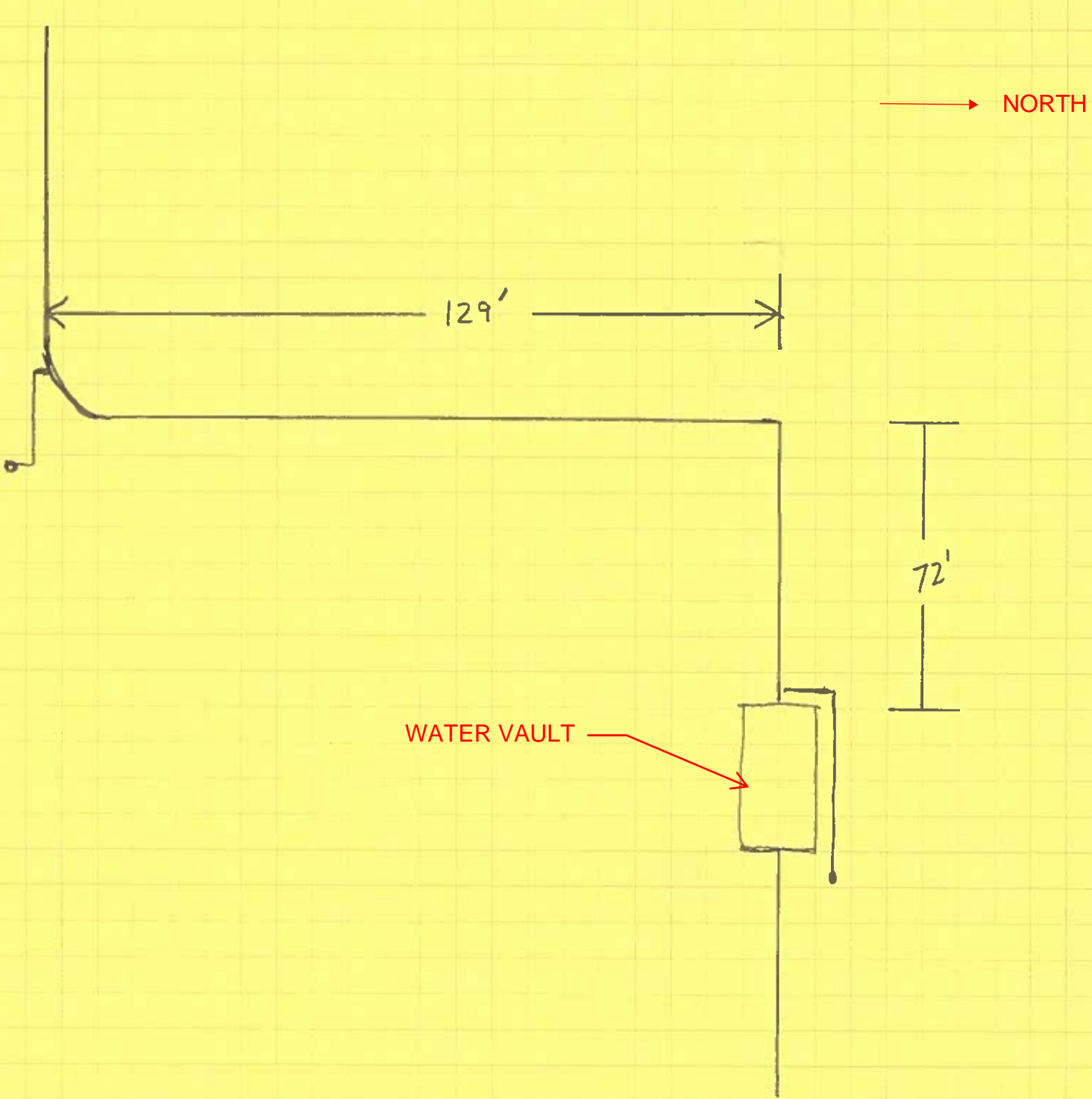
GAS  
SEWER

WATER  
GAS



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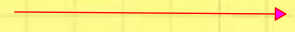
18"  
6'  
2'

34"



Water Service Line

NORTH



WATERLINE TEE #  
HYDRANT CONNECTION