

J:\PROJECTS\2022\201010482_VSU_PARS FAIRMOUNT FLATS\00_220432_CAD\SHS\2005_CIVIL\WTR\PPW\22402_TITL SHEET.DWG
 PLOTTED: Thursday, December 15, 2022 @ 01:22PM

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 1-316-268-4990
 CITY OF WICHITA TRAFFIC 1-316-268-4034
 COX COMMUNICATIONS 1-888-249-3530
 KANSAS GAS SERVICE 1-888-482-4950
 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 PLAN 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 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 CONTRACTOR'S RESPONSIBILITY.
- 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.
- ANY SIDEWALK, DRIVE APPROACH, CURB, OR STREET PAVEMENT REMOVED TO CONSTRUCT PROJECT MUST HAVE A PAVEMENT CUT PERMIT AND BE REPLACED BY 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 316-268-4555.
- 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 3-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 8 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 CIMJ LONG SLEEVE OR MULTIPLE JOINTS.
- 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.
- 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.
- DEVELOPER FOR THIS PROJECT IS:
 INNOVATION COMMUNITIES 4, LLC
 3020 N. CYPRESS ST. STE. 120
 WICHITA, KS 67226
 TYLER ELLIS
 316.880.9723

PRIVATE WATER DISTRIBUTION SYSTEM IMPROVEMENTS

TO SERVE

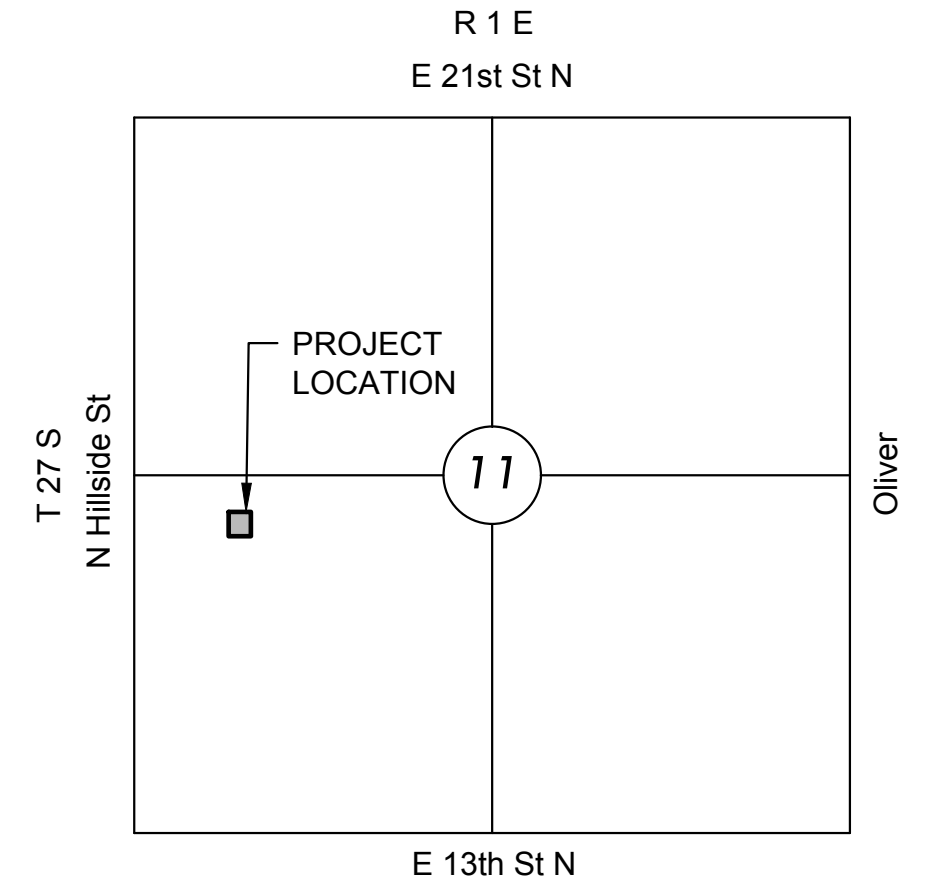
FAIRMOUNT FLATS

PROJECT NO. 2022-031394-PPW

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

ORG CODE 54030980

Date: 2023-04-10
 Inspector: A.Thompson
 Design/Inspecting Firm: MKEC/Kaw Valley Engineering, Inc.
 Contractor: Farha Construction
 Subcontractor: Sooter Excavating LLC
 Built in general conformance to construction plans, except where noted on plans.



VICINITY MAP

No Scale

INDEX TO DRAWINGS

| SHEET NO. | DESCRIPTION |
|-----------|---------------------------------|
| 01 | TITLE SHEET |
| 02 | STD WTR DETAIL |
| 03 | STD WTR SERVICE DETAIL |
| 04 | MISC. WTR DETAIL |
| 05 | FP & DW LINE 1 & FIRE HYDRANT 1 |
| 06-10 | BMP DETAILS |

LEGEND

- W — EXISTING WATER
- — — PROPOSED WATER

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

Engineering approved by Shawn Mellies on this day
 the 15th of December, 2022

Utilities approved by Greg Lolley on this day
 the 15th of December, 2022

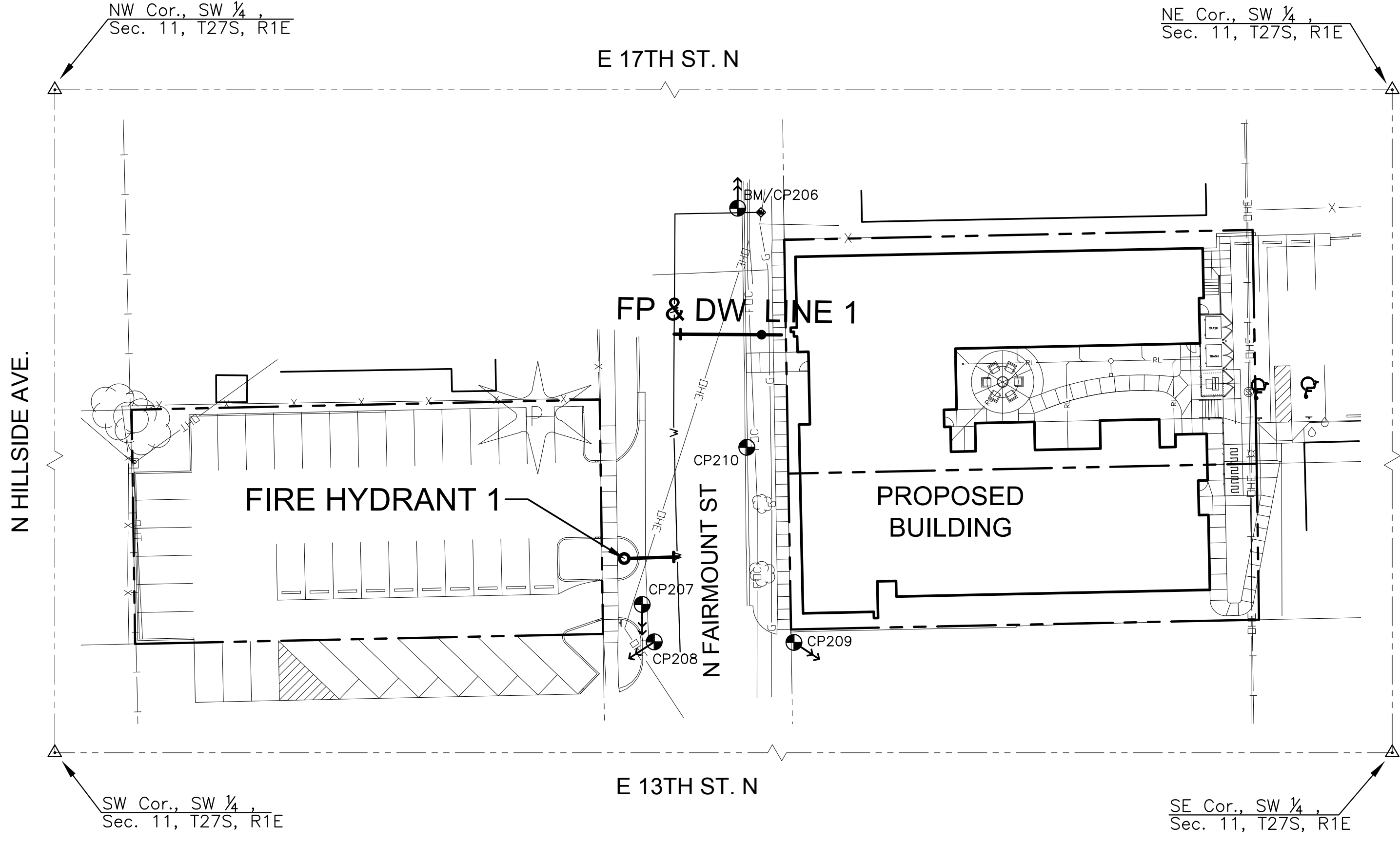
Fire Department approved by Jose Ocadjiz on this day
 the 15th of December, 2022

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.



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 NAVD 88 vertical datum, Geoid 12b.

CONTROL POINTS

| | | |
|---|----------------|------------------|
| CP206 N: 1696527.586 Description of control point: + cut Top of Curb | E: 1660644.984 | EL: 1393.80 |
| CP207 N: 1696064.984 Description of control point: + cut Top of Curb | E: 1660614.420 | EL: 1391.755 |
| CP208 N: 1696059.557 Description of control point: + cut in sidewalk | E: 1660300.222 | EL: 1389.665 |
| CP209 N: 1696041.972 Description of control point: + cut in concrete retaining wall | E: 1661004.174 | EL: 1387.425 |
| CP210 N: 1696330.545 Description of control point: + cut Top of Curb | E: 1660647.914 | EL: 1393.27 |
| Benchmarks: BM206 N: 1696527.586 Description of Benchmark: + cut in Top of Curb | E: 1660644.984 | EL: 1393.80 (88) |

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.

NOTE:
 WATER LINE VALVES TO BE OPERATED BY CONTRACTOR ONLY IF WATER INSPECTOR IS ON SITE.



PRIVATE WATER DISTRIBUTION PLANS FOR
FAIRMOUNT FLATS
 1728 N FAIRMOUNT STREET, WICHITA, KANSAS

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TITLE SHEET

| | | |
|-------------|-----------------|---------|
| PROJECT NO. | 2022-031394-PPW | |
| DATE | 12-15-2022 | |
| SCALE | 1" = 30' | |
| DESIGNED | DRAWN | CHECKED |
| SPE | CJL | SPE |
| NO. | REVISION | DATE |
| | | |

SHEET NO.
 01 OF 10

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.

J:\PROJECTS\2022\2201010482_VSU_PAR-FAIRMONT FLATS\00_220432_CAD\SH\5055_CIVIL\WTRPPW\22482_Plan & Profile.dwg
 PLOTTED: Thursday, December 15, 2022 @ 01:32PM

STA. 10+00.00, FP LINE 1
 8"x2" TAPPING SLEEVE &
 VALVE, AND 27.97' OF 2" PIPE
 TO BE FURNISHED AND INSTALLED
 BY C.O.W. WATER DEPT. UPON
 FULL PAYMENT BY CONTRACTOR.
 N=1696366.80, E=1660624.65

NOT Built As Per Plans; Location: FP
 & DW line, From Datum: Centerline
 16th St./Fairmount St., 325 ft. N./ 8"x2"
 tap (by COW) .

6.41' OF 3"
 DICL PIPE

NOT Built As Per Plans; Location: FP
 & DW line, From Datum: Centerline
 16th St./Fairmount St., 325 ft. N/ 28ft
 3 in. blazmaster pipe to 3 in. copper
 line using 3 in. slip coupler, to and
 including riser, installed by plumbers.
 NOTE: 6.41' 3" DICL replace with 3"
 copper pipe.

FIRE DEPARTMENT CONNECTION

1-FIRE HYDRANT
 BURY ELEV.=1393.36
 VALVE BOX ELEV.=1392.97
 N=1696294.91, E=1660608.64

STA. 10+34.38, FP LINE 1
 1-FIRE RISER AT BUILDING.
 SEE DETAIL 1, THIS SHEET.
 N=1696366.56, E=1660659.03

Built As Per Plans; Location: FH line 1,
 From Datum: Centerline 16th
 St./Fairmount St., 255 ft. N./ 22 ft. W to
 Hydrant.

CONTRACTOR TO REMOVE &
 REPLACE EXIST. PAVEMENT &
 PROVIDE TRAFFIC CONTROL AS
 NECESSARY FOR WATER TAP.
 REFER TO NOTES 10 & 13 ON
 SHEET 01.

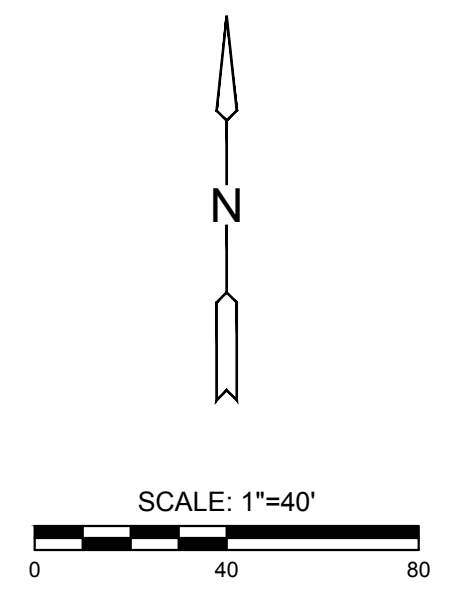
1-8"x6" TAPPING SLEEVE & VALVE
 TO BE FURNISHED AND INSTALLED
 BY C.O.W. WATER DEPT. UPON
 FULL PAYMENT BY CONTRACTOR
 N=1696295.42, E=1660625.64

EXIST. TOP OF PIPE=1389.47
 CONTRACTOR TO VERIFY DEPTH
 PRIOR TO STARTING CONSTRUCTION.

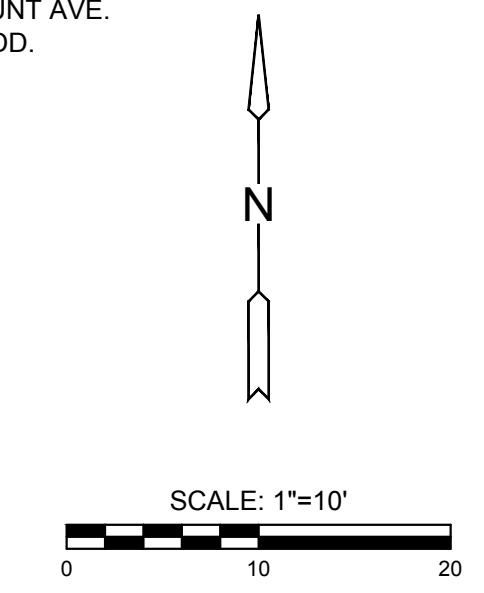
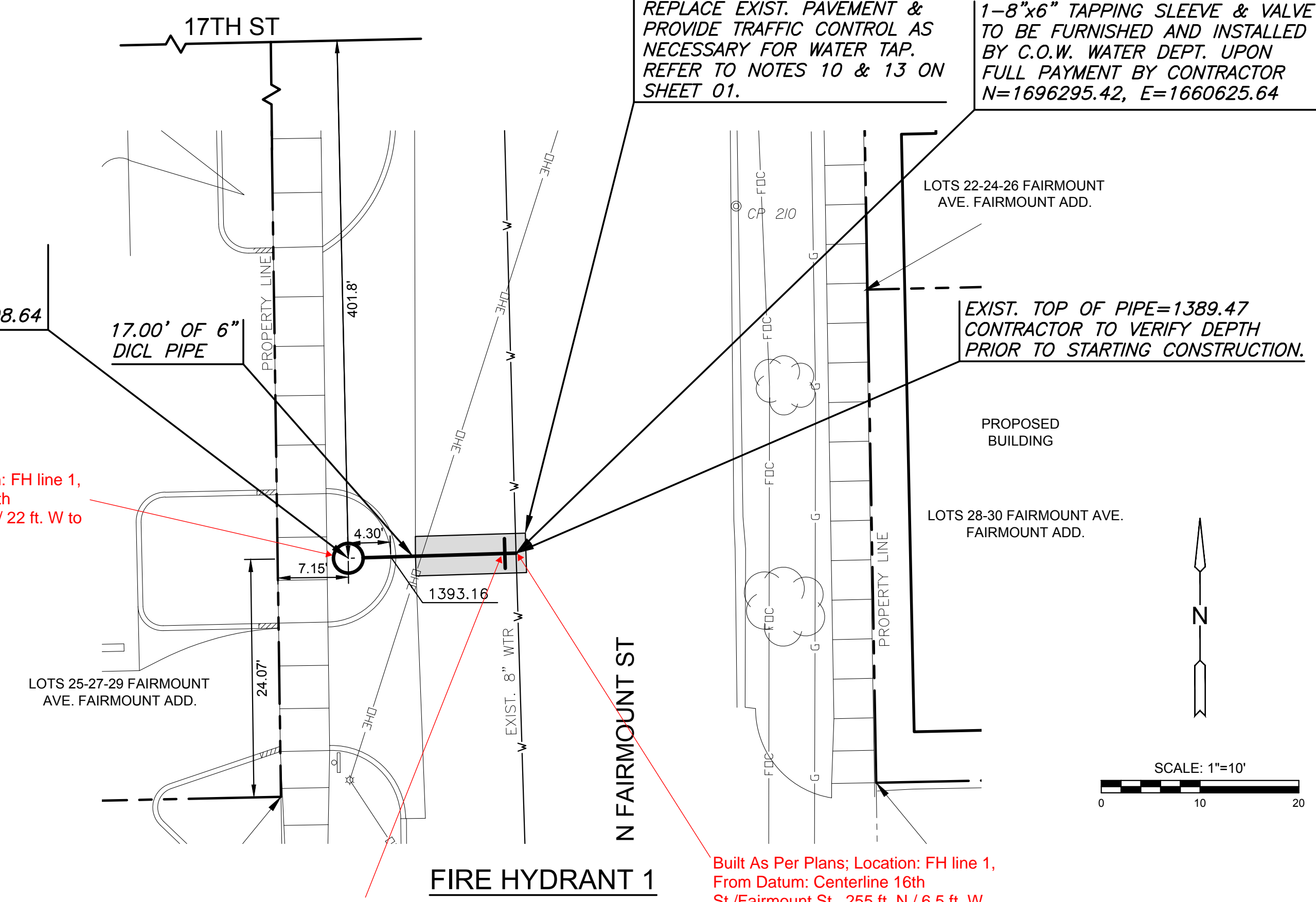
NOT Built As Per Plans; Location: FP
 & DW line, From Datum: Centerline
 16th St./ Fairmount St., 325 ft N/22 ft.
 E. to city connection to 2" PVC
 installed (by C.O.W.) to include the 2"
 meter.

STA. 10+27.97, FP LINE 1
 1-2" METER
 1-2"x3" REDUCER AFTER METER
 N=1696366.61, E=1660652.62

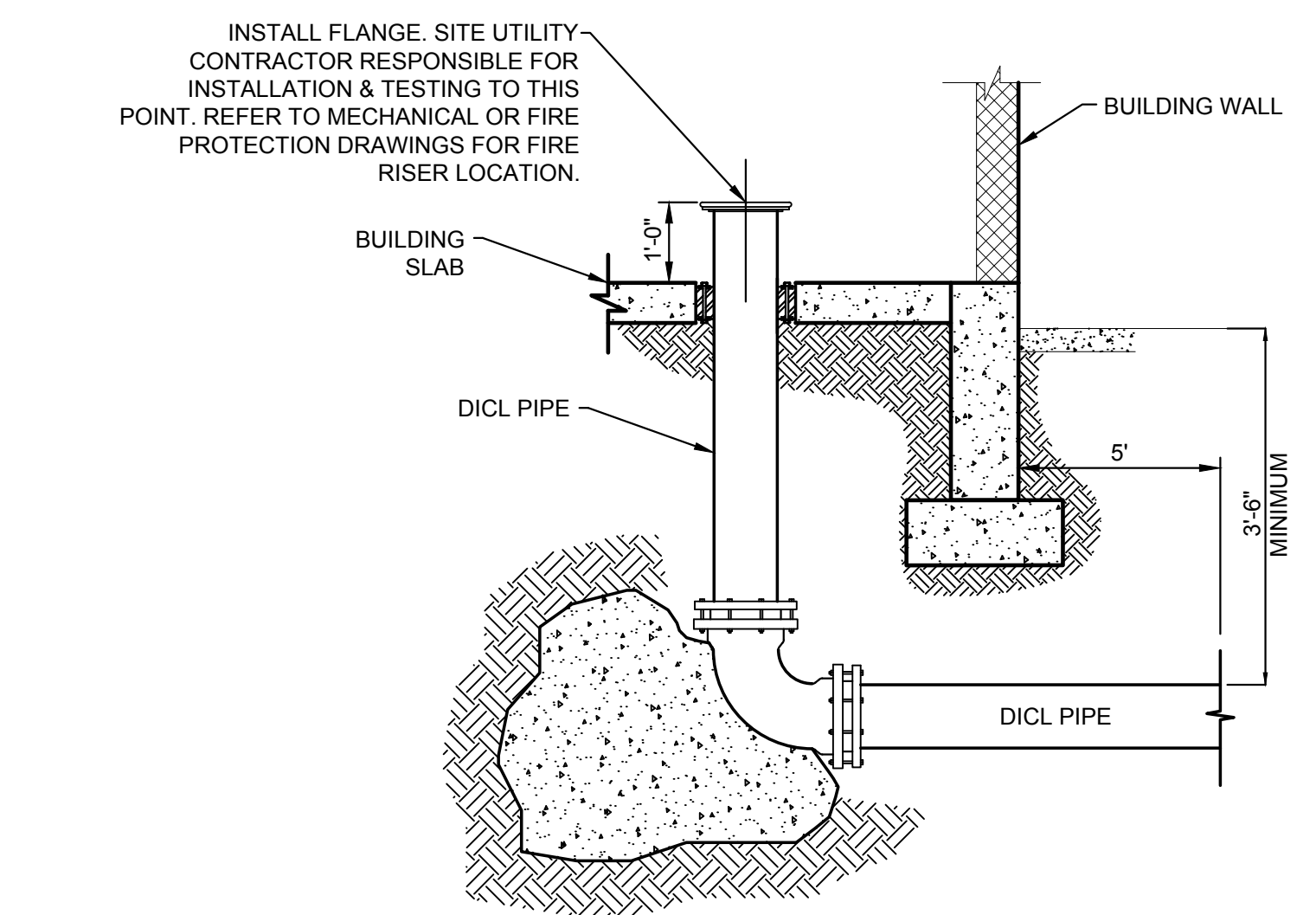
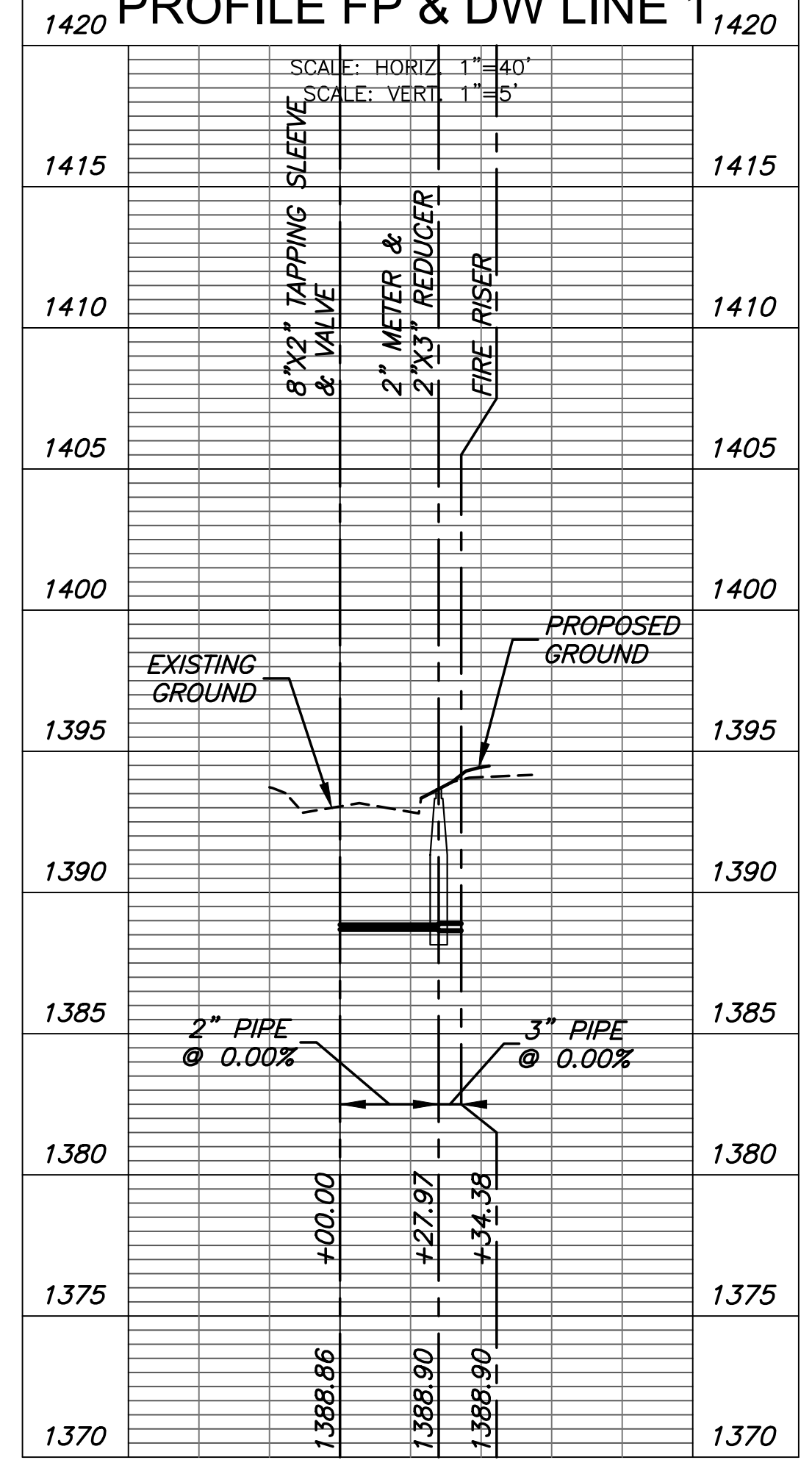
Sooter Excavating install 2"x3" reducer after the meter.



NOTE:
 CONTRACTOR TO VERIFY LOCATION
 AND ELEVATION OF EXISTING WATER
 LINE PRIOR TO CONSTRUCTION.



PLAN FP & DW LINE 1
 PROFILE FP & DW LINE 1



1 FIRE PROTECTION AT BUILDING (TYP.)
 SCALE: NTS



PRIVATE WATER DISTRIBUTION PLANS FOR
FAIRMONT FLATS
 1728 N FAIRMONT STREET, WICHITA, KANSAS

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FP & DW LINE 1
 & FIRE HYDRANT
 1

| | |
|-------------|-----------------|
| PROJECT NO. | 2022-031394-PPW |
| DATE | 12-15-2022 |
| SCALE | VARIES |
| DESIGNED | CJL |
| DRAWN | CJL |
| CHECKED | SPE |

| NO. | REVISION | DATE |
|-----|----------|------|
| | | |
| | | |