N: 1,667,206.2070, E: 1,620,542.1333
STA. 10+00.00, PROP 2 INCH FM
EXISTING 24" FORCE MAIN *
INSTALL 24" x 4"TAPPING SLEEVE
1- 4" TAPPING VALVE
1- 6" VALVE BOX
W/ 2" TAPPED PLUG
TOP VALVE BOX EL.= 1309.70
2.18'- 2" SCHEDULE 80 PVC (SE)
5001

REMOVE AND REPLACE CONCRETE PAVEMENT AND CURB/GUTTER, AS NECESSARY FOR CONSTRUCTION.

REMOVE AND REPLACE RIP RAP, AS NECESSARY FOR CONSTRUCTION.

N: 1667205.6269, E: 1620544.5190
PROP 2 INCH FM, STA. 10+02.18
1- 2" CHECK VALVE IN 30" METER BOX

N: 1,667,202.4238, E: 1,620,546.5008
STA. 10+05.78, PROP 2 INCH FM
INSTALL 2" 45° BEND
DEFL. = 45°00'00"
5002

CAUTION !!!
24" RCP STORM SEWER

N: 1,667,208.0577, E: 1,620,765.2849
STA. 12+24.63, PROP 2 INCH FM
INSTALL 2" 22.5° BEND (VERTICAL)
5003

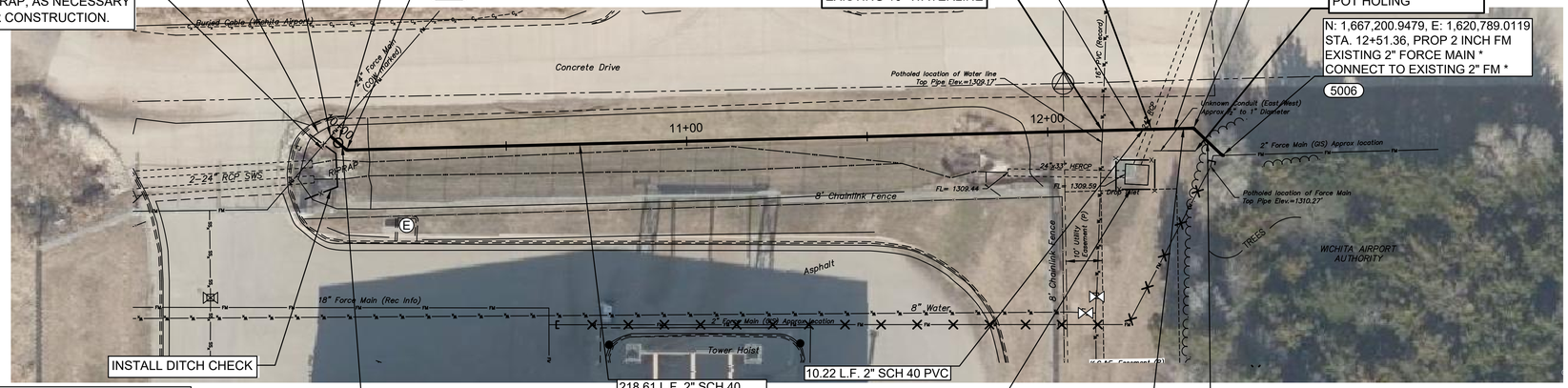
CAUTION !!!
EXISTING 16" WATERLINE

N: 1,667,208.3246, E: 1,620,775.6537
STA. 12+35.01, PROP 2 INCH FM
INSTALL 2" 22.5° BEND (VERTICAL)
5004

N: 1,667,208.4640, E: 1,620,781.0681
STA. 12+40.42, PROP 2 INCH FM
INSTALL 2" 45° BEND
DEFL. = 45°00'00"
5005

CAUTION !!!
CONDUIT FOUND WHEN POT HOLING

N: 1,667,200.9479, E: 1,620,789.0119
STA. 12+51.36, PROP 2 INCH FM
EXISTING 2" FORCE MAIN *
CONNECT TO EXISTING 2" FM *
5006




INSTALL DITCH CHECK

UNLESS NOTED OTHERWISE, ELEVATIONS SHOWN ARE TOP OF PIPE.

5.61 L.F. 2" SCH 80 PVC

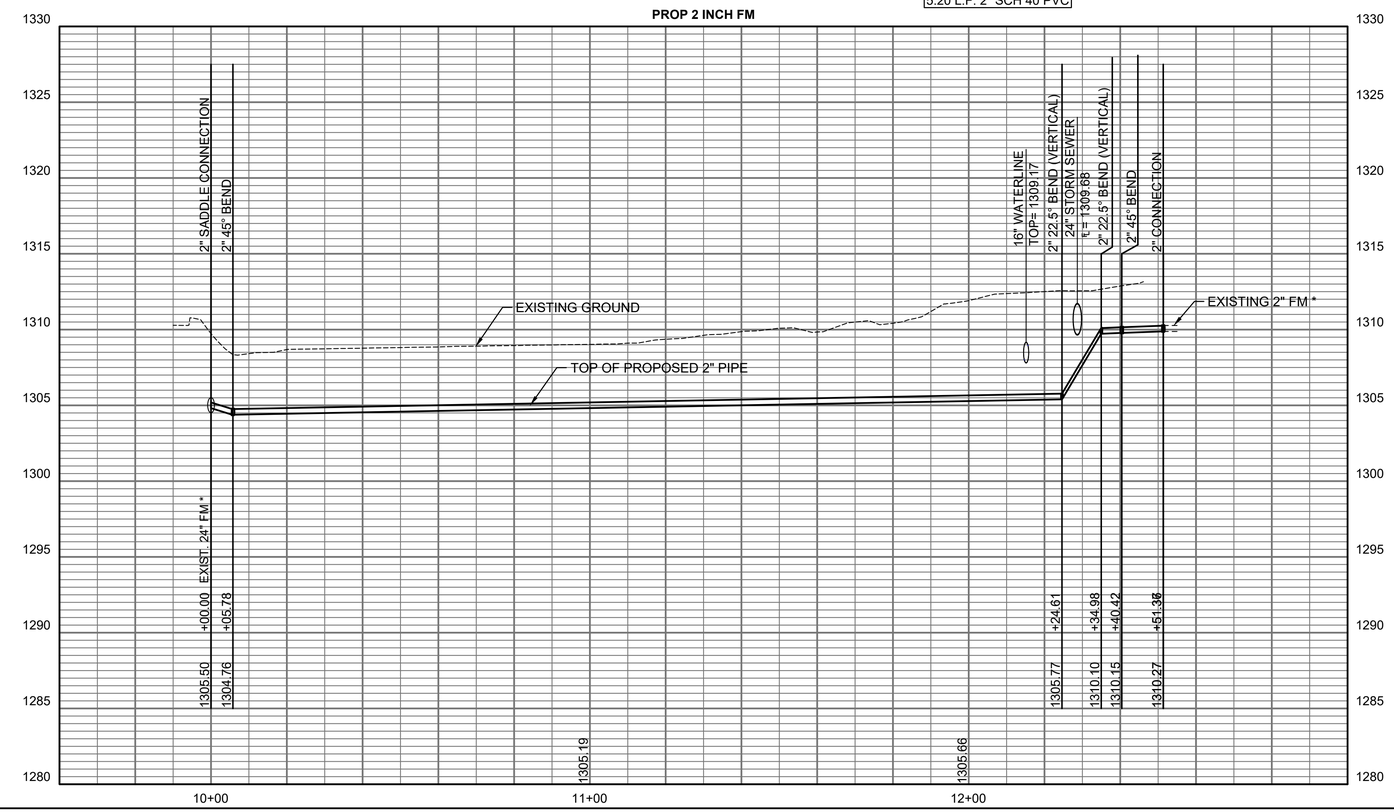
218.61 L.F. 2" SCH 40 PVC

10.22 L.F. 2" SCH 40 PVC

INSTALL INLET PROTECTION

5.20 L.F. 2" SCH 40 PVC

10.60 L.F. 2" SCH 40 PVC



LEGEND

X = DENOTES FORCE MAIN TO BE ABANDONED IN PLACE.

[ = DENOTES CAP/PLUG BY THE CONTRACTOR.

* PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE THE EXISTING 24" FORCE MAIN AT STATION 10+00.00 AND THE EXISTING 2" PIPE AT STATION 12+51.36 TO VERIFY PIPE SIZES, TYPE, FITTINGS, AND HORIZONTAL AND VERTICAL LOCATIONS. THE CONTRACTOR SHALL REPORT HIS FINDINGS TO THE ENGINEER SO THAT ANY NECESSARY PLAN MODIFICATIONS CAN BE MADE. ANY ADDITIONAL LABOR OR MATERIALS NECESSARY TO COMPLETE THE CONNECTION SHALL BE CONSIDERED SUBSIDIARY TO THE PROJECT.

NOTE:
CONTRACTOR SHALL INSTALL FORCE MAIN WITH NO HIGH POINTS ALONG THE ALIGNMENT. IF CONSTRUCTION CAN'T BE COMPLETED WITHOUT HIGH POINT, CONTRACTOR SHALL INSTALL AN ALL STAINLESS STEEL AIR RELEASE ASSEMBLY.


PEC
PROFESSIONAL ENGINEERING CONSULTANTS
400 S. KANSAS AVE. SUITE 200
TOPEKA, KS 66603
785-233-8300 www.pec1.com


CITY OF WICHITA

TREVOR KAUFMAN
LICENSED
26008
12/14/2023
KANSAS
PROFESSIONAL ENGINEER

# SANITARY SEWER IMPROVEMENTS COWSKIN FORCE MAIN AND LIFT STATION 60 IMPROVEMENTS

PAUL GUNZELMAN, P.E. - INTERIM CITY ENGINEER
CITY OF WICHITA PROJECT NO. 468-2022-040654

| Issue: | | |
|---|---|---|
| | | |

| | |
|---|---|
| JOB NO. | 35-210602-001-042 |
| DATE | DECEMBER 2023 |
| PM | ### |
| DESIGNED BY | KJW |
| DRAWN BY | CSL |
| CHECKED BY | RWG |

FORCE MAIN RECONNECTION

CU103


SAVED 12/14/2023 9:31:48 AM BY CATHY LINK
PLOTTED 12/14/2023 9:38:55 AM BY CATHY LINK
U:\WICHITA-CIVIL\2021\210602\001\MUNI\DRAWINGS\AIR VALVE REPLACEMENTS\210602-001-CU103.DWG