BENCHMARKS

BM #1:
Mag Nail on North edge of road, 78' West of North Entrance Gate into Plant 3 Facility.
Elev. = 1361.84 NGVD88

BM #2:
RR Spike in East Transmission power pole, 100' West and 4' North of the NE corner of Sewer Treatment Plant #3 Add.
Elev. = 1357.64 NGVD88

BM #3:
RR Spike in West Transmission power pole, 52' North of 37th St. N. ℄ & SE corner of Sewer Treatment Plant #3 Add.
Elev. = 1360.00 NGVD88

0 20 40
Scale: 1" = 20' Horizontal
1" = 5' Vertical

Sta. 0+00.00, SS Line 5
Const. 12" Outside Drop into Wet Well A
N: 1,711,421.02
E: 1,603,396.82

Sta. 0+00.00, Line 1
Begin 6" Pump Line1.
Install Non-Shear Coupling
12" outside Wetwell. See Note 1.
N: 1,711,415.74
E: 1,603,394.14

Sta. 0+83.06, SS Line 5
Core drill and install new 12" Outfall into Ex. Manhole M-1. Plug & abandon ex 12" Outfall and rework Invert.
N: 1,711,338.59
E: 1,603,407.00

Sta. 0+00.00, AIR LINE 1
12" FRP VERTICAL PIPE
N: 1,711,423.76
E: 1,603,393.90

Sta. 0+07.33, Line 1
6" Flanged Check Valve
N: 1,711,410.41
E: 1,603,389.12

Sta. 0+03.07, AIR LINE 1
12" 90° HDPE BEND
N: 1,711,425.86
E: 1,603,391.66

Sta. 0+07.32, Line 2
10" Flange Check Valve
N: 1,711,412.69
E: 1,603,386.70

Sta. 0+00.00, Line 2
Begin 10" Pump Line 3.
Install Non-Shear Coupling
12" outside Wetwell. See Note 1.
N: 1,711,418.02
E: 1,603,391.71

Sta. 0+00.00, Line 3
Begin 6" Pump Line.
Install Non-Shear Coupling
12" outside Wetwell. See Note 1.
N: 1,711,415.12
E: 1,603,374.15

Sta. 0+17.21, AIR LINE 1
12"x12" HDPE TEE,
3.1LF OF 12" FRP PIPE (Rt.)
N: 1,711,415.56
E: 1,603,381.98

Sta. 0+00.00, Line 4
Begin 10" Pump Line4.
Install Non-Shear Coupling
12" outside Wetwell. See Note 1.
N: 1,711,417.40
E: 1,603,371.72

Sta. 0+07.32, Line 4
10" Flange Check Valve
N: 1,711,412.07
E: 1,603,366.71

Sta. 0+07.32, Line 3
6" Flanged Check Valve
N: 1,711,409.79
E: 1,603,369.14

Sta. 0+44.44, Line 4
10" 45° CIMJ Bend (Mega Lug)
N: 1,711,385.02
E: 1,603,341.29

Sta. 0+43.06, Line 3
6" CIMJ 45° Bend (Mega Lug)
N: 1,711,383.75
E: 1,603,344.66

Sta. 0+80.78, AIR LINE 1
12" 45° HDPE BEND
N: 1,711,369.24
E: 1,603,338.45

Sta. 0+63.30, Line 2
10" 45° CIMJ Bend (Meg Lug)
N: 1,711,371.90
E: 1,603,348.36

Sta. 0+61.92, Line 1
6" CIMJ 45° Bend (Mega Lug)
N: 1,711,370.62
E: 1,603,351.73

Sta. 0+86.47, Line 4
PVI
N: 1,711,343.01
E: 1,603,342.59

Sta. 0+94.53, Line 3
PVI
N: 1,711,332.30
E: 1,603,346.25

Sta. 1+20.78, AIR LINE 1
PVI
N: 1,711,329.26
E: 1,603,339.68

Sta. 0+00, 4" SS Drain Line
Install 12"x4 SS Gasketed Tee and Begin 4" SS Servic Line
Ex. 12" FL = 1345.49
4" FL = 1352.77
N: 1,711,336.21 E: 1,603,356.34

Sta. 1+01.83, Line 2
PVI
N: 1,711,333.39
E: 1,603,349.55

Sta. 1+03.39, Line 1
PVI
N: 1,711,329.17
E: 1,603,353.01

Sta. 1+67.99, Line 4
10" 11.25° CIMJ Bend (Vert)
N: 1,711,261.53
E: 1,603,345.11

Sta. 1+70.25, Line 2
10" 11.25° CIMJ Bend (Vert)
N: 1,711,265.00
E: 1,603,351.67

Sta. 1+63.39, Line 1
PVI
N: 1,711,269.20
E: 1,603,354.87

88.45lf of 4" SSSL @ 2.0%

Sta. 1+44.53, Line 3
PVI
N: 1,711,282.33
E: 1,603,347.80

Sta. 1+68.81, AIR LINE 1
12" 22.5° HDPE BEND
N: 1,711,281.26
E: 1,603,341.17

Sta. 1+72.42, AIR LINE 1
Connect 12" HDPE Pipe to 36" HDPE pipe with 36"X12" HDPE Saddle.
End Air Line.
N: 1,711,277.95
E: 1,603,339.72

Sta. 88.45, 4" Drain line
Core Drill 4" Stub 1.5' East of the Northwest corner of the Valve Vault.
Stub new 4" Drain, install new Service Cleanout, drain north, to Ex. 12" Sanitary Main. Regrade Valve Vault invert to drain to new 4" drain.
Cost subsidiary to 4" SS service Line.
4" FL = 1354.54
N: 1,711,247.80 E: 1,603,359.08

Sta. 1+94.27, Line 2
Sawcut Ex. 10" DICL & Reinstall 10" Coupling.
End Line 2.
N: 1,711,245.09
E: 1,603,356.31

Sta. 1+98.63, Line 4
10" Coupling, Sawcut & Connect to Ex. 10 DICL,
End Line 4.
N: 1,711,241.76
E: 1,603,356.38

Sta. 1+92.19, Line 1
6" CIMJ 45° Bend (Vert)(Mega Lug)
N: 1,711,240.42
E: 1,603,355.76

Sta. 1+94.19, Line 1
Sawcut Ex. 6" DICL, 6" CIMJ 90° Bend (Mega Lug) & Connect to Ex. 6" DICL, End Line 1.
N: 1,711,238.42
E: 1,603,355.83

Sta. 1+98.35, Line 3
Sawcut 6" DICL & reuse 6" Coupling, End Line 3.
N: 1,711,235.93
E: 1,603,356.50

Sta. 1+91.09, Line 3
6" CIMJ 90° Bend (Mega-Lug)
N: 1,711,235.78
E: 1,603,349.24

Sta. 1+87.99, Line 4
10" 90° CIMJ Bend (Mega Lug)
N: 1,711,241.54
E: 1,603,345.73

Sta. 1+90.25, Line 2
10" 90° CIMJ Bend (Meg Lug)
N: 1,711,245.01
E: 1,603,352.29

Future AC Pvmnt

Blowers Building

Chemical Building / Maintenance / Workshop

PATRICK SHAWN BAER
LICENSED
16976
12/12/2023
KANSAS
PROFESSIONAL ENGINEER

BAUGHMAN COMPANY
315 Ellis St.
Wichita, KS 67211
316-262-7271
BaughmanCo.com

PLANT #3 (NW)
WET WELL IMPROVEMENTS

OPTION 1 SEWER PLANS

SANITARY SEWER IMPROVEMENTS

PROJECT NUMBER:
468-2023-005511

DESIGN: PSB DRAWN: PS
DATE: Dec. 13, 2023

SHEET 8 OF 29

File: C:\Users\pat.BAUGHMAN\Desktop\Projects Copy\30 Inch Gravity Sanitary Sewer Replacement (22-05-E186)\Engineering\piping.dwg