| SHEET NO. | TOTAL SHEETS |
|---|---|
| CS1.2 | |

SCALE:
PLAN: LAT. & LONG. 0 40 80
PROFILE: HORIZ. SAME AS ABOVE
VERT.

N-394,633.7183, E-368,772.1642
FM Sta. 0+00.0
Core existing brick MH wall and install new 4" Force Main.
Provide waterstop and grout Force Main into MH. Force Main Connections shall be considered subsidiary to price bid for Force Main complete in place.

N-394,588.2109, E-368,771.8037
FM Sta. 0+45.5
1- 4" CI CL MJ 45° Bend
Defl.= 41° 01' 05"

N-394,420.1511, E-368,623.2638
FM Sta. 2+69.8
1- 4" CI CL MJ 45° Bend
Defl.= 46° 31' 40"

N-393,837.3131, E-368,634.1890
FM Sta. 8+52.7
1- 4" CI CL MJ 45° Bend
Defl.= 45° 00' 00"

N-393,759.6323, E-368,714.8447
FM Sta. 9+64.7
~~N-393,754.7271, E-368,719.9377~~
~~FM Sta. 9+71.8~~
1- 4" CI CL MJ 45° Bend
Defl.= 45° 00' 00"

N-393,733.4985 E-368,715.3357
~~N-393,732.1192 E-368,715.3616~~
FM Sta. ~~9+92.2~~ 9+90.8
~~N-393,742.1865, E-368,720.1733~~
~~FM Sta. 9+84.3~~
Connect to Lift Station
See details, sheet no. CS1.5

26.2
Install ~~27.5~~ L.F.
~~Install 12.5 L.F.~~
4" Force Main

CAUTION !!!
2" Gas Line
(KGS)

CAUTION !!!
Buried Electric
(WAA)

CAUTION !!!
12" AC Waterline
(City of Wichita)

CAUTION !!!
Buried Electric
(WAA)

CAUTION!!!
Buried CATV
Buried Electric (Westar)
Buried Electric
Buried Telephone

CAUTION !!!
Buried Telephone
(SBC)

CAUTION !!!
Prop. Communications
Prop. Gas Line

LINE NO. 2
See sheet no. CS1.4

LINE NO. 1
See sheet no. CS1.3

Install 45.5 L.F.
4" Force Main

Install 103.5 L.F.
4" Force Main

FM Sta. 1+49.0 to FM Sta. 2+65.0
Install 116.0'- 4" Force Main by Directional Drill.
(Certalok restrained joint pipe or approved equal)

Install 4.8 L.F.
4" Force Main

Install 582.9 L.F.
4" Force Main

Remove fence as required.
Do not reset

Remove fence as required
Do not reset
See sheets CF1.0 & CF1.1
for new fence installation

CAUTION!!!
Buried Telephone

Remove fence as required.
Do not reset

CAUTION!!!
Prop. 8" Waterline

Install 112.0 L.F.
~~Install 119.1 L.F.~~
4" Force Main

X - Denotes Tree to be Removed.

RECORD DRAWING

* NOTE:
CONTRACTOR SHALL NOT DISTURB EXISTING BERM.

* PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE THE EXISTING 12" AC WATERLINE AT FM STA. 2+30.0 TO VERIFY ITS HORIZONTAL AND VERTICAL LOCATION. CONTRACTOR SHALL MAINTAIN 2 FEET MIN. CLEARANCE BELOW ALL UTILITIES WITH NEW FORCE MAIN.

Unless noted otherwise, elevations shown are top of pipe

## 4" FORCE MAIN

Existing MH Top Elev.= 1425.20
45° Bend
2" Plastic Gas Line (KGS)
Buried Electric (WAA)
Exist. 12" AC Waterline
Top of Pipe= 1417.25
Buried Electric (WAA)
45° Bend
Buried Cable TV
Buried Electric (Westar Energy)
Buried Electric (Westar Energy)
Buried Telephone (SBC)
Buried Telephone (SBC)
45° Bend
Buried Telephone (SBC)
Prop. Communications
Prop. 8" Waterline
Top of Pipe= 1417.76
Prop. Gas Line
45° Bend
End Force Main
Prop. Lift Station
Top Elev.= 1417.2
Floor Elev.= 1396.0

Proposed Ground (by others)
Existing Ground
Top of Proposed 4" Force Main

℄ In= 1420.95
Exist. 8" SS Pipe (E)

℄ In= 1402.17
~~℄ In= 1402.13~~
from LINE NO. 1

| Station | Elevation |
|---|---|
| ℄ Out= 1422.85 | 1421.64 |
| 0+00 | 1421.85 |
| 0+50 | 1421.80 |
| 1+00 | 1421.95 |
| 1+49.0 | 1419.90 |
| 1+50 | 1421.95 |
| 2+00 | 1418.85 |
| 2+30 | 1421.88 |
| 2+65.0 | 1416.77 |
| 2+65.1 | 1419.38 |
| 2+70 | 1416.15 |
| 3+00 | 1416.15 |
| 3+58.8 | 1416.15 |
| 4+00 | 1416.05 |
| 5+00 | 1415.73 |
| 6+00 | 1415.41 |
| 7+00 | 1415.08 |
| 8+00 | 1414.76 |
| 8+52.7 | 1414.50 |
| 9+00 | 1413.25 |
| 9+64.7 | 1409.11 |
| 9+71.8 | 1408.95 |
| 9+84.3 | 1408.78 |
| 9+90.8 | 1408.56 |
| 9+92.2 | 1408.55 |
| 9+94.2 | 1408.45 |

55 L.F. Jetted Sand Backfill
(Sta. 2+65.0 to Sta. 9+20.0)

THE WICHITA AIRPORT AUTHORITY
COLONEL JAMES JABARA AIRPORT

4" FORCE MAIN

SANITARY SEWER AND WATER DISTRIBUTION SYSTEM
SOUTHWEST AREA SITE DEVELOPMENT IMPROVEMENTS

Professional Engineering Consultants, P.A.
303 S. TOPEKA • WICHITA, KANSAS 67202
316-262-2691 • FAX 316-262-3003

Date SEPTEMBER 2005 Job No. 05471-019

| No. | Revision | Date | By |
|---|---|---|---|
| | CHANGE ORDER #1 - RELOCATE LIFT STATION | 10/12/06 | ALA |

Saved 04-16-2007 4:51:16 PM by TLS
Plot Scale 1:40 05-07-2007 10:03:52 AM by TLS
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