FORCE MAIN NOTES:

1. PRIOR TO FORCE MAIN REMOVAL, THE CONTRACTOR SHALL GIVE 48 HOURS (MIN.) NOTICE TO THE CITY. CONTACT LARRY KOONTZ AT (316)708-6678 OR LUCIUS HOWLAND AT (316)312-6263.
2. CONNECTION TO THE EXISTING FORCE MAIN AT FM 1, STA. 4+82.00 AND FM 1, STA. 7+51.45 SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR "FORCE MAIN TIE-IN".
3. WHERE THE IMPROVEMENTS CROSS EXISTING PUBLIC OR PRIVATE UTILITIES WHICH ARE NOT TO BE ADJUSTED BY OTHERS, THE CONTRACTOR SHALL PROVIDE THE MATERIAL AND MEANS TO PROTECT AND SUPPORT SAID UTILITIES DURING CONSTRUCTION TO THE SATISFACTION OF THE ENGINEER.
4. DISRUPTION OF THE FORCE MAIN SHALL BE LIMITED TO A MAXIMUM PERIOD OF 3 HOURS AND SHALL BE ACCOMPLISHED DURING NON PEAK HOURS.
5. REFERENCE THRUST BLOCK SCHEDULE, SHEET NO. 15.

SCALE:
PLAN: LAT. & LONG. 0 40 80
PROFILE: HORIZ. SAME AS ABOVE
VERT. 5 0

N

℄ W. 40th St., Sta. 80+33.57, 9.1' Lt.= FM 1, Sta. 0+00.00
Existing 10" Force Main

℄ W. 40th St., Sta. 85+16.07, 51.4' Lt.= FM 1, Sta. 4+82.00
Existing 10" PVC Force Main*
Remove pipe as necessary and Install
1- 10" PVC 22 1/2° Bend
Defl.= 21°70'00"
(Fittings, adaptors, and other incidentals as necessary)
6001

℄ W. 40th St., Sta. 85+51.51, 63.2' Lt.= FM 1, Sta. 5+10.00
1- 10" PVC 22 1/2° Bend
Defl.= 26°00'00"
6002

℄ W. 40th St., Sta. 87+20.47, 59.1' Lt.= FM 1, Sta. 6+89.00
1- 10" PVC 22 1/2° Bend
Defl.= 22°30'00"
6003

℄ W. 40th St., Sta. 87+77.98, 33.8' Lt.= FM 1, Sta. 7+51.45
Existing 10" Force Main*
Remove pipe as necessary and Install
1- 10" PVC 22 1/2° Bend
Defl.= 19°28'03"
(Fittings, adaptors, and other incidentals as necessary)
6004

℄ W. 40th St., Sta. 91+50.30, 20.8' Rt.= FM 1, Sta. 11+23.28
Existing Air Release Vault

6000 = SEE SHEET NO. 3 FOR FORCE MAIN COORDINATES (TYP.)

CAUTION !!! Proposed 30" RCP Storm Water Sewer (by others)

CAUTION !!! Future RCB Storm Water Sewer (by others)

CAUTION !!! Buried CATV (Cox) Buried Telephone (AT&T) Buried Telephone (Zayo)

AMIDON
Prop. R/W Line
Prop. Hwy. Construction Limits
Exist. R/W Line
Owner: Word of Life Ministries and Schools, Inc. Lot 1, Kan-am Addition
Temp. Construction Esmt. (by others)
Proposed R/W
Zayo Undg. F.o (rec. info.)
10" FM SS (rec. info.)
Undg. Tel. (AT&T)
F.o. Tel. (Cox)
Undg. Tel. (AT&T)
Prop. R/W Line
Exist. R/W Line
Prop. grd. elev.=1318.0
Prop. grd. elev.=1323.75
Grass
Asph.
Grvl.
Ped.
Unk.
TMKR
W. 40TH STREET N.
℄ W. 40TH ST. N.
Future Pavement (by others)
I-235
2 LANE CMMAC
RCB
KDOT Communications Line
Exist. Access Control Line
Proposed Fence (by others)

28.00'- 10" PVC Pipe
179.00'- 10" PVC Pipe
62.45'- 10" PVC Pipe
Install 350' Silt Fence Barrier
Install 30' Silt Fence Barrier
Abandon in place 263.00 L.F. Existing 10" Pipe.

* PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE THE EXISTING 10" FORCE MAIN AT FM1, STA. 4+82.00 AND FM1, STA. 7+51.45 TO VERIFY PIPE SIZE, TYPE, FITTINGS, AND HORIZONTAL AND VERTICAL LOCATION. 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.

\ = DENOTES PIPE TO BE ABANDONED IN PLACE.
℄ = DENOTES CAP/PLUG BY THE CONTRACTOR

PLAN | CHECKED | CHECKED | BY | DATE

Unless noted otherwise, elevations shown are top of pipe

FORCE MAIN NO. 1

PROFILE | CHECKED | CHECKED | BY | DATE

BEGIN FM LINE NO. 1
Exist. FM Bend
Prop. 16" RCP SWS ℄= 1,318.31
22 1/2° Bend
Future 6'x4' RCB SWS (Egress: 27° Right) ℄= 1,318.00
Future 3 - 8'x 6' RCB SWS (Egress: 32° Right) ℄= 1,317.30
Buried Fiber Optic (Cox)
Buried Telephone (AT&T)
Buried Fiber Optic (Zayo)
Exist. Air Release
Future Ground ℄ Road (by others)
Future Ground (by others)
Existing Ground
Top of Exist. 10" Force Main
Top of Prop. 10" Force Main
+00.00
+82.00 Verify Exist. 10" *
+10.00
+40.00
+89.00
+51.45 Verify Exist. 10" *
+00.00
1315.04±
1314.30
1313.50
1313.50
1313.50
1313.82
1315.30±
1340 1335 1330 1325 1320 1315 1310 1305 1300
0+00 1+00 2+00 3+00 4+00 5+00 6+00 7+00 8+00 9+00 10+00 11+00

UTILITY RELOCATIONS FOR I-235 BRIDGE REPLACEMENTS

FORCE MAIN NO. 1

GARY JANZEN, P.E. – CITY ENGINEER
CITY OF WICHITA PROJECT NO. 468-85126

PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
303 SOUTH TOPEKA WICHITA, KS 67202
316-262-2691 www.pec1.com

Job No. 160127-000-0042
Date SEPTEMBER 2016
Designed By JAG, SAD
Drawn By CSL, KTD

JOSHUA GOLK LICENSED 24136 10/05/2017 KANSAS PROFESSIONAL ENGINEER

Sheet 12 of 22

Saved 10-03-2017 1:40:13 PM by CSL
Sheet Set: 11 of 27 (160127 SS.dst)
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