

J-M Eagle C-900 DR-18
 80' of restrained joint pipe
 Star fittings & MJ's
 American Flow Control
 valves
 American Darling (storz) fire
 hydrant

VAULT DETAILS
 TEE AT 6+23.34
 12" SLEEVE
 8" VALVE (S)
 92" 8" DIP
 12" SLEEVE
 6'8" DIP FLANGE
 BACKFLOW
 6'8" DIP FLANGE
 12" SLEEVE
 180' 8" PVC TO STA. 9+ 50

GENERAL NOTES

1. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF SEVENTY-TWO (72) HOURS ADVANCE NOTICE PRIOR TO BEGINNING EXCAVATION (EXCLUDING WEEKENDS AND HOLIDAYS). THE CONTRACTOR SHALL CONTACT THE KANSAS DIGGERS HOTLINE, A UTILITY LOCATION SERVICE, AT 1-800-344-7233 TO REQUEST THAT LOCAL UTILITY COMPANIES MARK ANY EXISTING LINES WITHIN THE PROJECT AREA.
2. LOCATIONS OF EXISTING BURIED SERVICE LINES SHOWN IN PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES AND PRIVATE OWNERS TO IDENTIFY LOCATIONS OF THESE LINES.
3. THE CONTRACTOR SHALL SUBMIT HIS ANTICIPATED SEQUENCE OF CONSTRUCTION PLAN PRIOR TO THE START OF CONSTRUCTION.
4. THE CONTRACTOR SHALL PROVIDE THE OWNER ONE SET OF PLANS MARKED IN RED INK INDICATING ALL CHANGES MADE TO THE PROJECT INCLUDING ACTUAL LOCATIONS OF BURIED UTILITIES. ALL RECORD INFORMATION SHALL BE BASED ON PLAN CONTROL POINTS.
5. THE CONTRACTOR, AT THEIR EXPENSE, SHALL REPLACE ANY CONTROL POINTS OR PROPERTY IRONS THAT ARE DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION.
6. BOUNDARY AND TOPOGRAPHIC SURVEY PROVIDED BY ALPHA LAND SURVEYS, INC.
7. PROJECT WAS SURVEYED AND IS LAID OUT USING US SURVEY FEET AS THE PRIMARY UNIT OF MEASURE. CONTRACTOR SHALL ENSURE THAT ALL ELECTRONIC FILES UTILIZED FOR CONSTRUCTION ARE IN US SURVEY FEET AND NOT INTERNATIONAL FEET.
8. ALL WATER LINES SHALL BE FLUSHED AND DISINFECTED PRIOR TO CONNECTION TO BUILDING SERVICE PER CITY OF WICHITA STANDARD SPECIFICATIONS.
9. ALL CONSTRUCTION SHALL COMPLY WITH CITY OF WICHITA STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
10. ALL WATER LINE SHALL BE INSTALLED AT A MINIMUM DEPTH OF 42".

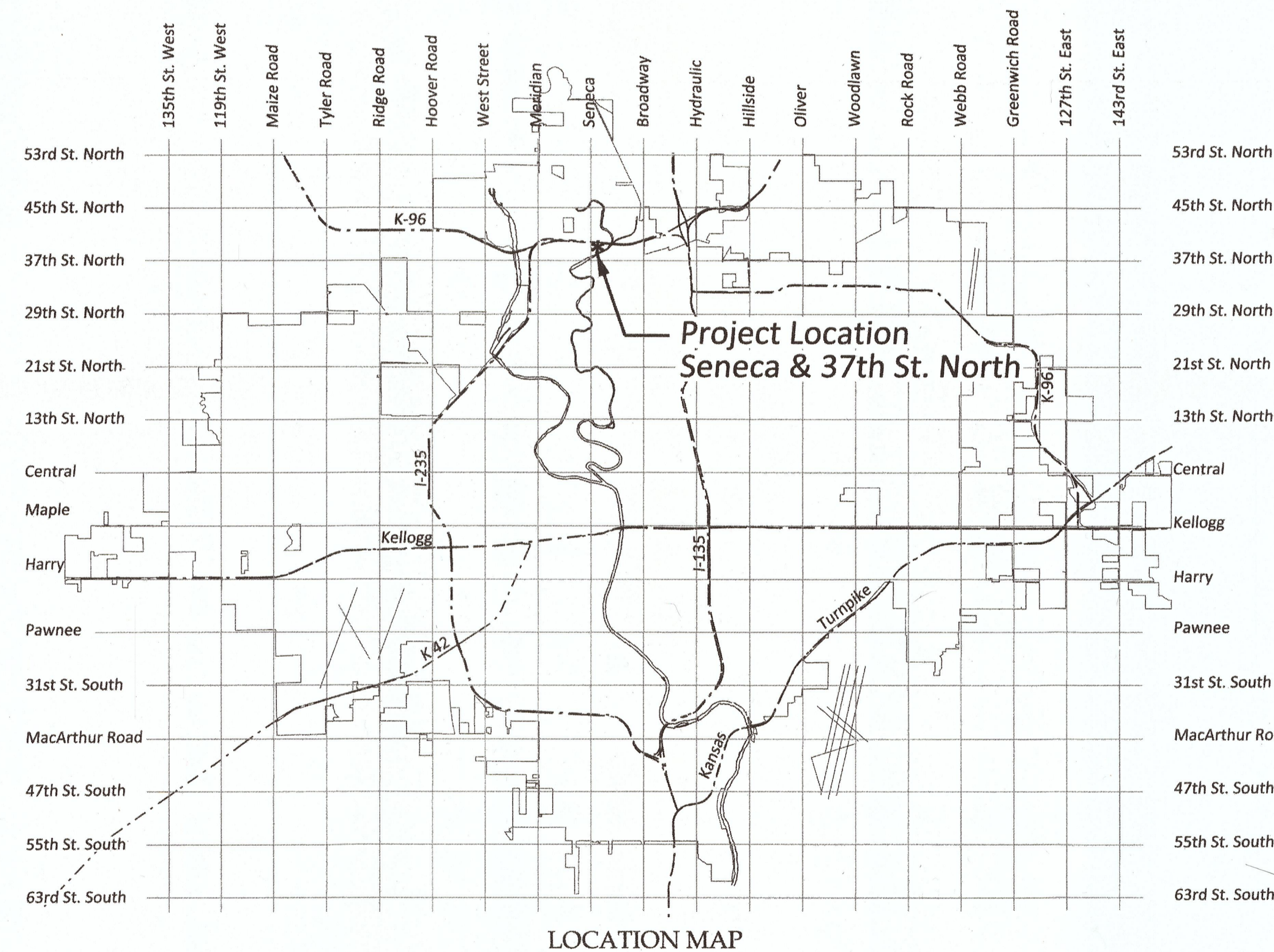
SITE WATER LINE TO SERVE HERITAGE FAMILY CHURCH

PRIVATE PROJECT NO. 1847 PPW (607853)

CITY OF WICHITA, KANSAS

GARY JANZEN, P.E. - CITY ENGINEER

Measurements
 from center of 37th & Seneca 29'
 South and 30' East to Tapping
 valve
 Tee is 2' South of valve
 531/2"North is 111/4 deg. bend
 and anchor coupling and 45 deg.
 bend
 623.34' North to tee and 12"
 connector sleeve and valve



SHEET INDEX

CV4.0	PPW TITLE SHEET
CV4.1	SITE SURVEY
CV4.2	SITE PLAN
CV4.3	WATER LINE PLAN & PROFILE
CV4.4-CV4.6	WATER LINE DETAILS

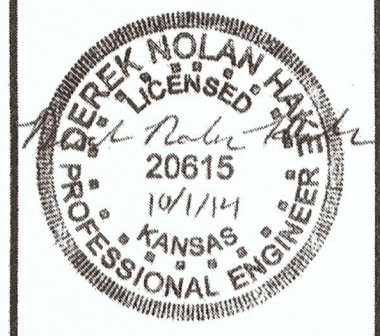
APPROVED AS NOTED
 BY CITY ENGINEER OF WICHITA
 Engineering *Rebecca Juhl* 10/2/14
 Water Mains *Jim Kelly* 10-2-14
 Fire Department *Jim Kelly* 10-2-14

NOTE TO CONTRACTORS
 Inspection and testing for this project are 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 Licensed Professional Engineer. No work shall be performed in dedicated easements or public right-of-way by the Contractor without such inspection, nor shall any work be commenced without written authorization by the City Engineer.

AS BUILTS

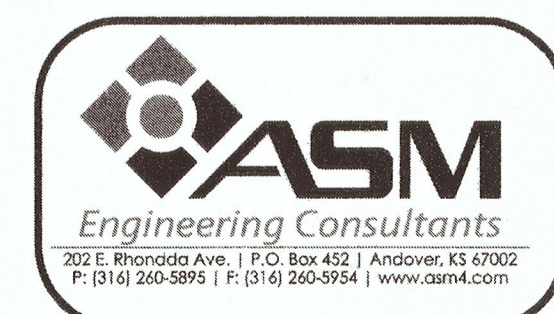
Contractor: Ewertz Excavation 1/07/2015	Project Inspector: Larry Gann KEMILLER ENGINEERING P.A. 117 E. Lewis, Wichita, KS 67202 (316)264-0242
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SEPTEMBER 2014



project no. 1317

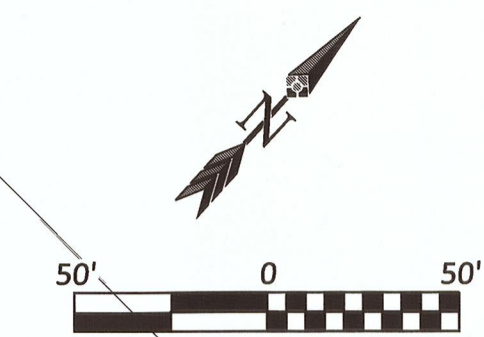
Construction Documents:
 Heritage Family Church
 New Gym. Building
 NORTH SENeca & 37th. STREET
 WICHITA, KANSAS



sheet
CV4.0
 TITLE SHEET

WATERLINE STAKING POINTS

Point	Northing	Easting
WL100	1710236.0607	1643680.0482
WL110	1710292.0079	1643650.8206
WL120	1710848.9882	1643711.0022
WL125	1710799.2608	1644279.1208
WL130	1710803.7746	1644285.4946
WL140	1710870.3996	1644290.7381
FH1	1710784.3070	1644277.9439



Tapping valve
531/2" of 8" diel
111/4 Deg. Bend
Anchor Coupling
45 Deg. Bend
80' of restrained pipe

WL110
Sta. 0+63.12, Waterline
Install 8" MJ Tee (N) w/ 8" Gate Valve (E)
Install 560.2 LF 8" C900 DR-18 (N)
Top of Pipe = 1315.55

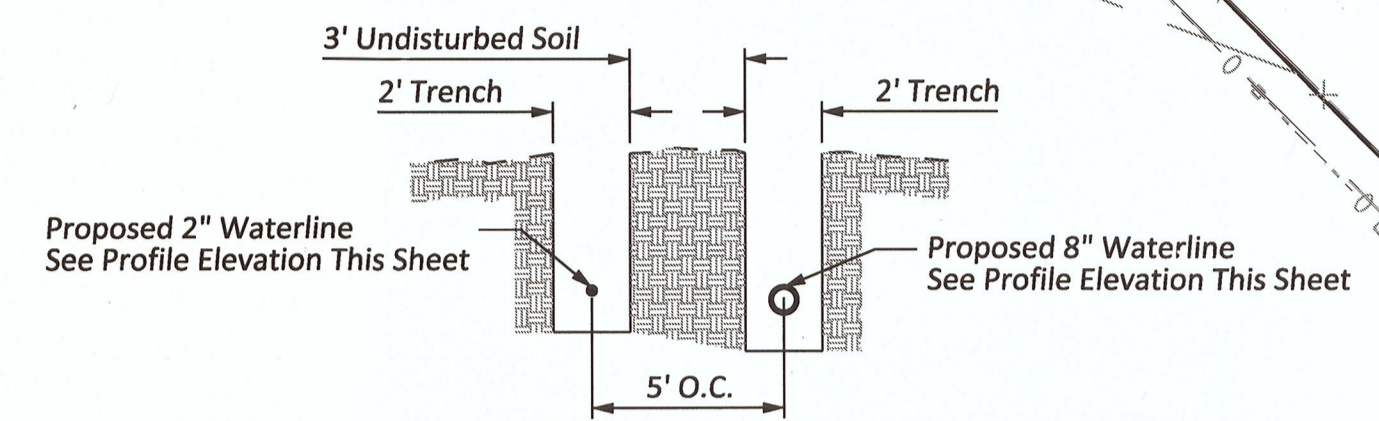
WL100
Sta. 0+00.00, Waterline
Install 12" Tapping Sleeve
Install 12" Gate Valve (N)
Install 12" x 8" Reducer
Install 65.1 LF 8" C900 DR-18 Pipe (N)
Top of Pipe = 1315.80 (Assumed)
*Connection Shall Be Performed By The City of Wichita
All Other Work Shall Be Performed By The Contractor
*Contractor Shall Field Verify Depth & Location Of Existing Main And Notify Engineer Of Any Discrepancy.
See Sheet CV4.4

CAUTION!!!
Sta. 4+10.82
Proposed 8" Sanitary Sewer
SS FL = 1315.18
Encase Sanitary Sewer
10' Either Side of Crossing
See Detail Sheet CV4.3

Install 2" Blowoff Assembly
See Detail Sheet CV4.4

Note: City Maintenance Ends At ROW

Sta. 6+30.35, Waterline
City Shall Install 2" Water Meter
Contractor Shall Install 569.3 LF
2" DR-11 HDPE (E)
Top of Pipe = 1316.01



Typical Trench Section
Sta. 6+23 to Sta. 12+66

WL130
Sta. 11+99.61, Waterline
Install 8" 90° MJ Bend (E)
Install 2" 90° MJ Bend (E)
Install 66.8 LF 8" C900 DR-18 Pipe (N)
Install 66.8 LF 2" DR-11 HDPE (N)
Top of Pipe = 1317.95

WL140
Sta. 12+66.44, Waterline
Install 8" Temporary MJ Cap (N)
See Mechanical Plans For Continuation
Install 2" Temporary Cap (N)
See Mechanical Plans For Continuation
Top of Pipe = 1319.22

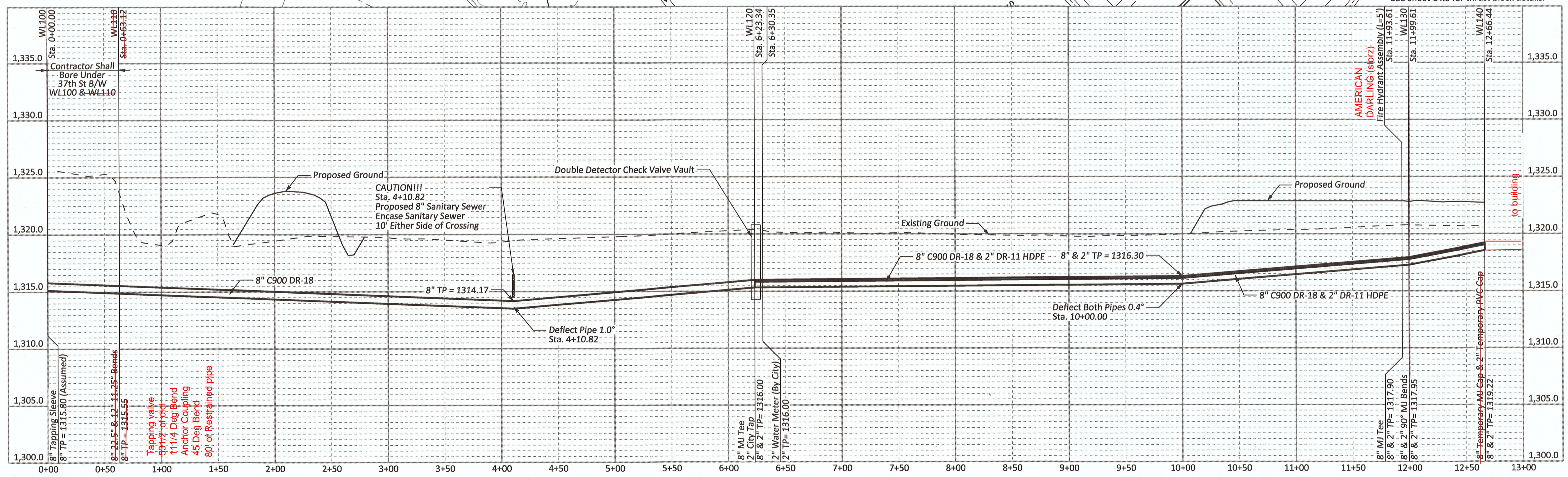
WL125
Sta. 11+93.61, Waterline
Install 8" MJ Tee (E)
Install 6.0 LF 8" C900 DR-18 (E)
Install 25.0 LF 8" C900 DR-18 (S)
Top of Pipe = 1317.90

Install Fire Hydrant Assembly (S)(L=5')
Bury Line Elevation = 1322.19
Top of Valve Box = 1322.25
Top of Pipe = 1317.90
See Sheet CV4.2

10" 8" PVC (N)
1- 90 Degree Bend
21.5' 8" PVC (W)
1- 90 Degree Bend
7'11" 8" DIP (S)

Sta. 11+93.61 tee
6" valve (s)
13" DICL
FIRE HYD
AMERICAN
DARLING (storz)

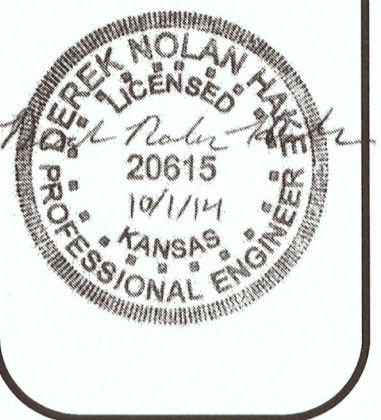
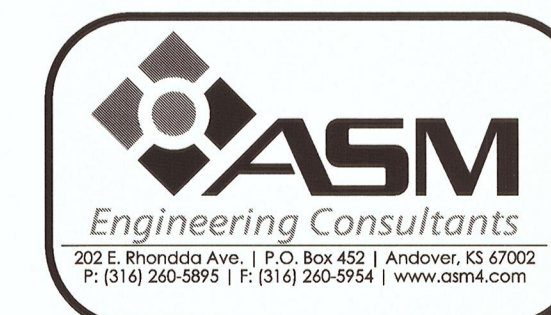
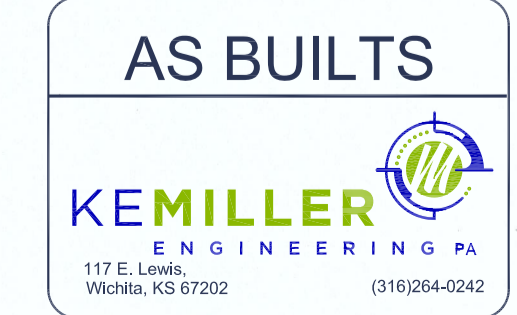
Note: All water line shall be installed per City of Wichita Pipe Bedding Standard. See Sheet C4.3 for thrust block details.



project no. 1317

Construction Documents:
Heritage Family Church
New Gym. Building
NORTH SENECA & 37th. STREET
WICHITA, KANSAS

sheet
CV4.3
WATER LINE
PLAN & PROFILE



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