



NOTE: All Lengths and Grades shown on Sanitary Sewer are from Center to Center of Manhole.

NOTE: Any crossing of Sanitary Sewer and Waterline shall have a minimum vertical clearance of 2 feet.  
NOTE: 4-1/2" Minimum Bury to top of Waterline

Horizontal Scale - 1"=20'  
Vertical Scale - 1"=5'

STATION 142+43.31  
INVERT 1283.21  
RIM 1293.70

Sta. 38+03.05 Rt. 18.16'  
Install 8" 22.50' Bend  
4" San. Sewer Service  
Top (typ.)

Sta. 36+80.98 Rt. 18.10'  
Install 8" 11.25' Bend  
1 1/2" Water  
Service Tap (typ.)

Sta. 36+63.00 Rt. 23.35'  
Install 6" Valve &  
tee,  
Install 8"x8"x6" Tee,  
3 Way Fire Hydrant

Sta. 32+56.76 Rt. 20.31'  
Install 8" 11.25' Bend  
4" San. Sewer Service  
Top (typ.)

1" Water  
Service Tap (typ.)

18" RCP (Line N)

4" San. Sewer Service  
Top (typ.)

1" Water  
Service Tap (typ.)

8" Water Line  
Install 423.39' of  
Watch Water Line / Storm Sewer Pipe  
Crossing (See Sht 18 for Pipe N details)

1" Water  
Service Tap (typ.)

4" San. Sewer Service  
Top (typ.)

1" Water  
Service Tap (typ.)

137+70.35  
138+00  
139+00  
140+00  
141+00  
142+00

33+40.18PC  
34+00  
34+97.29PT  
35+00  
35+79.60PC  
36+00

34+75.59  
38+00  
39+31.63PT

142+43.31  
MHE4  
Const. Sanitary Sewer MHE4  
San Sewer Sta. 142+43.31  
San Sewer Sta. 142+43.31  
See Sheet 56

10' Utility Easement

10' Utility Easement

10' Utility Easement

20' Utility & Walking Trail Easement

46/77

DRAWN  
GLA  
CHECKED  
DND  
DATE 10/16/2009  
SCALE 1" = 20'  
JOB NO. 07074  
SHEET

**CAMPBELL & JOHNSON ENGINEERS, P.A.**  
ENGINEERS • ARCHITECTS • LAND SURVEYORS  
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Waterline/San Sewer Sheet  
Grand Prairie Addition  
City of Salina, KS

REVISIONS