Adjust depth of 8" water line to clear stormwater pipe. (See Sht 17 for Stormwater Pipe L details)

Sta.19+06.84 Lt 22.47' Install 8" 11.25° Bend

Install 85.45' of 8" Water Line

Sta.19+97.16 Lt 22.00' Install 8" 11.25° Bend

Sta. 20+77.01 Lt. 19.39 Install 8"x8"x6" Tee, Install 6" Valve & 3 Way Fire Hydrant

Sta. 21+56.54 Lt 22.00' Install 8" 11.25° Bend

Sta. 22+33.16 Lt 22.00' Install 8" 11.25° Bend

℄ Sta. 23+92.97 Rt. 27.80' (Bentgrass) San Sewer Sta. 122+82.17 Const. Sanitary Sewer MHD5 See Sheet 56

Install 186.07' of 8" Water Line

1" Water Service Tap (typ.)

4" San. Sewer Service Tap (typ.)

Match Line Sta. 118+00 See Previous Sheet

1 ½" Water Service Tap (typ.)

℄ Sta. 18+36.53 Rt. 0.00' (Bentgrass) San Sewer Sta 117+10.29 Const. Sanitary Sewer MHD3(C1) See Sheet 56

Install 58.94' of 8" Water Line

Sta.20+59.60 Lt 22.00' Install 8" 11.25° Bend

Install 91.68' of 8" Water Line

℄ Sta. 20+73.89 Rt. 21.99' (Bentgrass) San Sewer Sta. 119+52.24 Const. Sanitary Sewer MHD4 See Sheet 56

Install 72.79' of 8" Water Line

Match Line Sta. 123+00 See Next Sheet

(2) 1" Water Service Taps (typ.)

℄ Bentgrass Drive

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

*NOTE: All Waterline shall be place as part of Phase 1
When building Sanitary Sewer Phase 2, Cap or Plug shall be removed and Sanitary Sewer extended from Sta 118+00

Match Line Sta. 118+00 See Previous Sheet Begin Phase 2*

MHD4 STATION 119+52.24 INV IN 1278.20 INV OUT 1270.00 RIM 1283.72

Final Grade Profile

Existing Ground Profile

MHD5 STATION 122+82.17 INV IN 1283.28 INV OUT 1283.08 RIM 1295.18

Match Line Sta. 123+00 See Next Sheet

329.93LF 8" @ 3.97%

241.95LF 8" @ 1.28%

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

SANITARY SEWER-LINE D
BENTGRASS DRIVE
WATER SHEET PHASE 1
SANITARY SEWER SHEET PHASE 2

REVISIONS

Waterline/San Sewer Sheet
Grand Prairie Addition
City of Salina, KS

CAMPBELL & JOHNSON ENGINEERS, P.A.
ENGINEERS • ARCHITECTS • LAND SURVEYORS
785-243-1755 CONCORDIA, KANSAS • JUNCTION CITY, KANSAS 866-720-1755

DRAWN	GLA
CHECKED	DND
DATE	10/16/2009
SCALE	1" = 20'
JOB NO.	07074
SHEET	42/77