FHWA REGION NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	54-87 K-6657-01	2002	212	1122

SCALE:
PLAN: LAT. & LONG. 0 10 20 1:500
PROFILE: HORIZ. SAME AS ABOVE
VERT. 0 10

@ US-54, Sta. 15+939.746, 40.377 M Lt.=
WL 1, Sta. 1+959.912

@ US-54, Sta. 15+953.191, 34.420 M Lt.=
WL 1, Sta. 1+974.494
1- 406mm CI CL RJ 22 1/2° Bend*
Defl.= 24°13'12"

CAUTION !!!
Proposed 1050mm RCP Storm Sewer
Proposed 450mm RCP Storm Sewer

@ US-54, Sta. 15+959.294, 34.420 M Lt.=
WL 1, Sta. 1+980.539
Provide 25mm Threaded Outlet
1-25mm Corp. Stop
(Manual pipe drain at bottom of pipe)

@ US-54, Sta. 15+959.868, 34.420 M Lt.=
WL 1, Sta. 1+981.110
1-Pipeline Expansion Joint (F x E Type 1 Expansion Coupling by Brico Industries or approved equal.)

@ US-54, Sta. 15+978.913, 34.420 M Lt.=
WL 1, Sta. 2+000.000
Provide 50mm Threaded Outlet
1-25mm x 150mm Brass Nipple
1-25mm Angle Meter Valve (Manual Air Release with 45° Brass Elbow at top of pipe.)
See Detail, this Sheet.

@ US-54, Sta. 16+063.429, 34.420 M Lt.=
WL 1, Sta. 2+083.709
1-Pipeline Expansion Joint (F x E Type 1 Expansion Coupling by Brico Industries or approved equal.)

@ US-54, Sta. 16+064.010, 34.420 M Lt.=
WL 1, Sta. 2+084.280
Provide 25mm Threaded Outlet
1-25mm Corp. Stop
(Manual pipe drain at bottom of pipe)

@ US-54, Sta. 16+069.842, 34.420 M Lt.=
WL 1, Sta. 2+090.060
1- 406mm CI CL RJ 22 1/2° Bend (Rotated)*
Rotated 24°05'41" Dn.

@ US-54, Sta. 16+086.707, 40.728 M Lt.=
WL 1, Sta. 2+107.906 Back=
WL 1, Sta. 2+108.260 Ahead
1- 406mm CI CL RJ 22 1/2° Bend (Rotated)*
Rotated 24°05'41" Up

SW 1/4, Sec. 29, T27S, R1W

Resthaven Gardens of Memory Inc. etal
D-606-DP

DAVIS MOORE 12TH ADDITION
RESERVE "A"
K-DA Inc.
D-49132

Match Line WL 2, Sta. 1+959.912

COWSKIN CREEK

760mm San. Sewer

916mm San. Sewer (T.O.)

Abandoned

Match Line WL 2, Sta. 2+107.906 Back= WL 2, Sta. 2+108.260 Ahead

SSM#255-2
Top Elev.=397.711
E=394.206

SSM#009
Top Elev.=398.034
E In (N)=394.179
E Out (S)=394.174

SSM#001
Top Elev.=398.020
E=391.648

SSM#001
Top Elev.=398.047
E=391.616

SSM#255-1
Top Elev.=398.432
E In (N)=394.150
E Out (S)=394.104

SSM#255
Top Elev.=398.404
E=394.091

150mm Sewer

W.L. 2

Sewer

S.S.

+6+000

+100

14.582 M- 406mm DI CL RJ Pipe*

115.566 M- 406mm DI CL RJ Pipe*
(Suspend beneath Bridge per detail, Sheet No. 491)

18.071 M- 406mm DI CL RJ Pipe*

25mm Angle Meter Valve
25mm Brass Street 45°
25mm x 150mm Brass Nipple
25mm x 250mm Brass Nipple
25mm Brass 45°
Proposed 406mm DICL RJ Pipe
25mm x 250mm Brass Nipple

MANUAL AIR RELEASE

Contractor shall insulate nipples, valve and bends.
All costs associated with the construction of the Manual Air Release shall be considered subsidary to pipe in place.

RECORD DRAWING

Larry D. Powell 10-18-04

*Note: The waterline Contractor shall coordinate his work from WL1, Sta.1+959.912 to WL1, Sta. 2+107.906 (Back) with the Contractor performing the earthwork and bridge construction. The Contractor shall not install the waterline above existing ground. The proposed ground shall be compacted and approved prior to installing the waterline.

Unless noted otherwise, elevations shown are top of pipe

WATERLINE NO. 1

406 405 404 403 402 401 400 399 398 397 396 395

22 1/2° Bend
Match Line
Proj. 1050mm RCP SWS
E= 398.387

Proj. 450mm RCP SWS
E= 400.350
22 1/2° Bend

℄ Bridge Abutment #1
Manual Pipe Drain
Pipeline Expansion Joint

Manual Air Release

Waterline Support at Permanent Erection Diaphragms by others (typ.) (See Sheet No. 491)
Intermediate waterline supports at 1/3 pts. between Permanent Erection Diaphragms (See Sheet No. 491)
Contractor shall install piping so that the pipe joints do not conflict with the supports.

Top of Proposed 406mm Water Main

D.H.W. El.=399.989

Existing Ground

Proposed Channel (By Others)

Pipeline Expansion Joint
Manual Pipe Drain
℄ Bridge Abutment #2
22 1/2° Bend (Rotated)

22 1/2° Bend (Rotated)
Match Line

+358.912 401.221
+374.154 401.780
+379.947 401.819
+380.539 401.822
+381.140 401.826
+400.000 401.934
+411.463 401.934
+063.709 401.374
+084.280 +084.851 401.338
+090.060
+107.906 Back= +108.260 Ahead 398.500

1+900 2+000 2+100

WATERLINE - PLAN/PROFILE

DSNR: KJW OPER: TDS SCALE: 1=0.50
Q:\199\97362\007\wipp06A 04-12-2002 11:08:01 am