STATE	PROJECT NO.	YEAR	SHEET NO.	SHEETS
KANSAS	87 N-0349-01	2009	57	133

MKEC ENGINEERING CONSULTANTS, INC.
411 N. WEBB ROAD
WICHITA, KS. 67206
316 - 684 - 9600

17th STREET FROM GROVE TO HILLSIDE

SCALE: 1"=20'
20 10 0 20

Sta. 10+00.00, Line 2
@ Sta. 56+42.94, 54.36' Rt.
1-8"x6" DIMJ 90° Reducing Bend. Connect to Exist. 6" Water Line
1-6" DIMJ Cap (N)
Remove 5 L.F. of Existing 6" (N). Cap exposed end.

Sta. 10+47.97, Line 2
@ Sta. 56+57.35, 21.00' Rt.
1-8"x8" DIMJ Tee
1-8" Valve Assy. (E) (MJ Gate Valve)
Connect to Exist. 8" Pipe
1-8" DIMJ Cap (W)
Remove 13 L.F. of Existing 8" (W). Cap exposed end.
Valve Box Elev.=128.90

Sta. 11+05.35, Line 2
@ Sta. 56+57.35, 36.38' Lt.
1-8"x8" DIMJ Tee
1-8" Valve Assy. (E) (MJ Gate Valve)
Connect to Exist. 8" Pipe
1-8" DIMJ Cap (W)
Remove 5 L.F. of Existing 8" (W). Cap exposed end.
Valve Box Elev.=128.95

19.12' of 8" Pipe

Sta. 11+29.47, Line 2
@ Sta. 56+52.54, 54.55' Lt.
1-8"x6" DIMJ 90° Reducing Bend
Connect to Exist. 6" Water Line
1-6" DIMJ Cap (S)
Remove 5 L.F. of Existing 6" (S). Cap exposed end.

19.23' of 8" Pipe
13.46' of 8" DICL Pipe
6.00' of 8" DICL Pipe
Remove & Replace 10 L.F. of Curb & Gutter
Const. 13.3 S.Y. of Permanent Pavement Patch See Sh. No. 41
Exist. 6" Wtr.
Exist. 8" Wtr.
Green Street
Line 2
17th Street
5.00' of 8" DICL Pipe
57.38' of 8" Pipe
15.28' of 8" Pipe
Const. 23.2 S.Y. of Permanent Pavement Patch See Sh. No. 41

Sta. 10+13.46, Line 2
@ Sta. 56+56.40, 54.50' Rt.
1-8"x8" DIMJ Tee
1-8" Valve Assy. (W) (MJ Gate Valve)
1-8" Anch. Valve Assy. (S) (MJ Gate Valve)
6.00' of 8" DICL Pipe (S)
1-2" Blowoff Assy. (S)
Valve Box Elev.=129.53

Sta. 10+28.74, Line 2
@ Sta. 56.56.55, 40.22' Rt.
Remove Exist. Fire Hydrant
1-Fire Hydrant Assy.
L=21.0'

Sta. 10+88.71 to 10+92.00, Line 3=
@ Sta. 56+57.17, 19.75' Lt. to 56+57.21, 23.04' Lt.
2-8" DIMJ 45° Bends
4.65' of 8" DICL Pipe

Sta. 10+98.00 to 11+01.45, Line 3=
@ Sta. 56+57.27, 29.03' Lt. to 56+57.31, 32.48' Lt.
2-8" DIMJ 45° Bends
4.88' of 8" DICL Pipe

Sta. 11+24.47, Line 2
@ Sta. 56+57.54, 54.50' Lt.
1-8"x8" DIMJ Tee
1-8" Valve Assy. (W) (MJ Gate Valve)
1-8" Anch. Valve Assy. (N) (MJ Gate Valve)
6.00' of 8" DICL Pipe (N)
1-2" Blowoff Assy. (N)
Valve Boxes Elev.=129.34

NOTES:
1. Contractor to verify depth and location of existing utilities prior to construction.
2. All trenches to be sand flushed and vibrated.

Install new 1" service and connect to new 8" water main. Setter to be connected to existing customer's water service. The Contractor shall coordinate this work.
2-Long Services
1-Short Service

PLAN LINE 2

Sta. 11+21.10, Line 3
@ Sta. 69+15.05, 56.00' Lt.
1-8" DIMJ 90° Bend
Connect to Exist. 8" Water Line
1-8" DIMJ Cap (N)
Remove 5 L.F. of Existing 8" (S). Cap exposed end.

Sta. 11+16.20, Line 3
@ Sta. 69+69.95, 55.96' Lt.
1-8"x8" DIMJ Tee
1-8" Valve Assy. (W) (MJ Gate Valve)
1-8" Anch. Valve Assy. (N) (MJ Gate Valve)
5.00' of 8" DICL Pipe (N)
1-2" Blowoff Assy. (N)
Valve Boxes Elev.=156.46

4.90' of 8" DICL Pipe
70.55' of 8" Pipe
9.32' of 8" DICL Pipe

Sta. 10+00.00, Line 3
@ Sta. 69+62.94, 55.12' Rt.
1-8" DIMJ 90° Bend
Connect to Exist. 6" Water Line
Remove 5 L.F. of Existing 8" (N). Cap exposed end.

5.00' of 8" DICL Pipe
Exist. 8" Wtr.
17th Street
Line 3
Chautauqua Street
Const. 12.8 S.Y. of Permanent Pavement Patch See Sh. No. 41
20.00' of 8" Pipe

Sta. 10+05.00, Line 3
@ Sta. 69+67.92, 55.21' Rt.
1-8"x8" DIMJ Tee
1-8" Valve Assy. (W) (MJ Gate Valve)
1-8" Anch. Valve Assy. (S) (MJ Gate Valve)
5.00' of 8" DICL Pipe (S)
1-2" Blowoff Assy. (S)
Valve Boxes Elev.=155.69

Sta. 10+75.55 to 10+80.14, Line 3=
@ Sta. 69+69.21, 15.33' Lt. to 69+69.96, 19.25' Lt.
2-8" DIMJ 45° Bends
5.54' of 8" DICL Pipe

Sta. 10+88.78 to 10+94.33, Line 3=
@ Sta. 69+68.78, 29.25' Lt. to 69+69.55, 34.10' Lt.
1-8" DIMJ 45° Bend
1-8" MJxPE 45° Bend
6.88' of 8" DICL Pipe

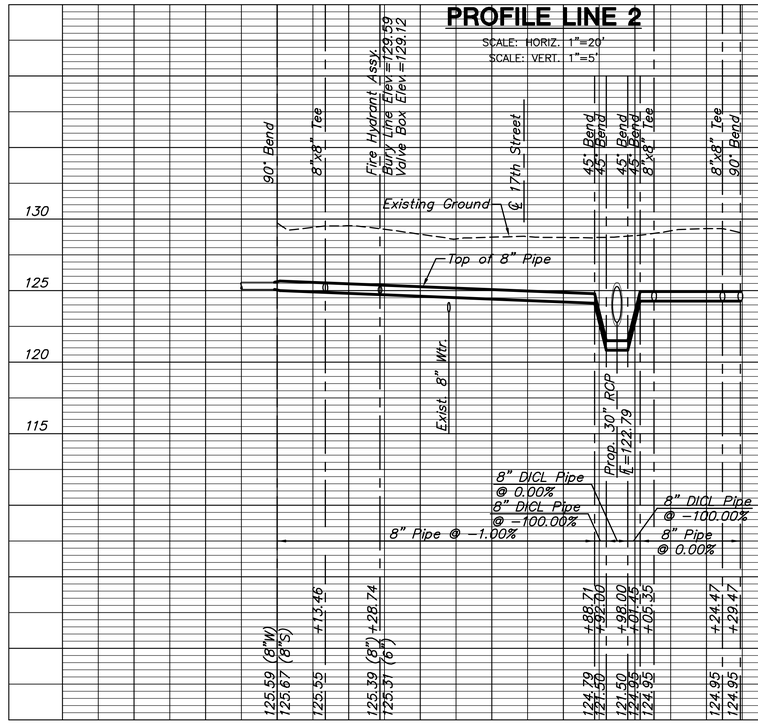
Sta. 10+96.20, Line 3
@ Sta. 69+69.59, 35.98' Lt.
1-8"x8" DIMJ Tee
1-8" Valve Assy. (W) (MJ Gate Valve)
Valve Box Elev.=155.57

LEGEND
- Sidewalk Remove & Replace
- Permanent Pavement Patch
- XXXXXX Water Line to be Abandoned

PLAN LINE 3

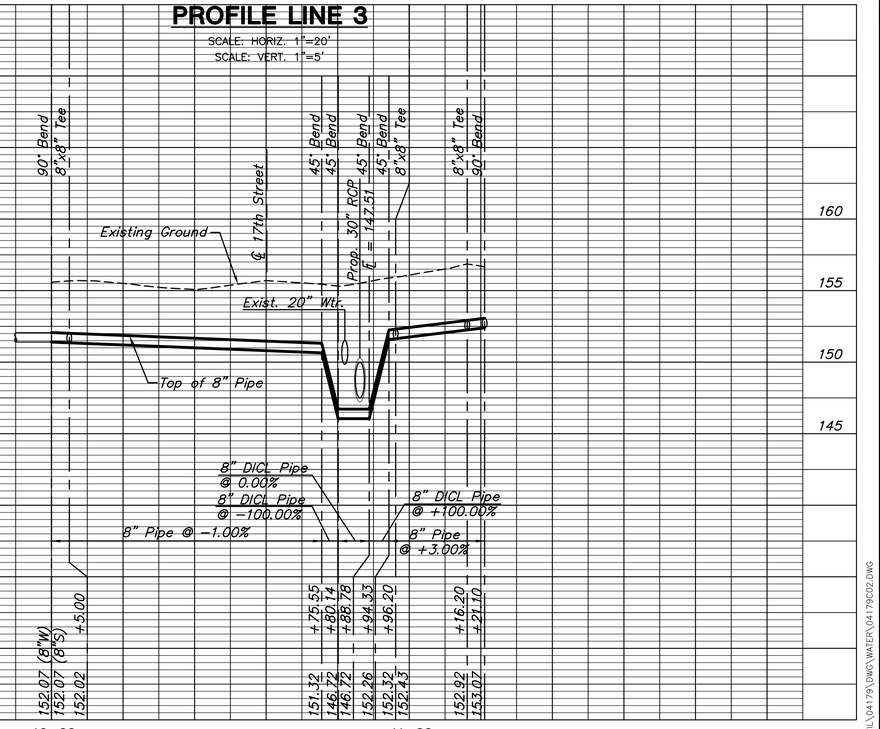
PROFILE LINE 2

SCALE: HORIZ. 1"=20'
SCALE: VERT. 1"=5'



PROFILE LINE 3

SCALE: HORIZ. 1"=20'
SCALE: VERT. 1"=5'



Water Line 2 and Line 3
SHEET TITLE

87 N-0349-01
PROJECT NUMBER

DMU
DESIGN BY

JWC
DRAWN BY

JRA
CHECKED BY

ISSUED
June 4, 2009
REVISED

SHEET NO.
57 of 133

PLOTTED: Thursday, June 04, 2009 @ 08:23AM
J:\CIVIL\04179\DWG\WATER\04179D02.DWG