

**THE CORNERSTONE FIRST ADD.
WATER DISTRIBUTION PLANS
PRO. # PPW178
LINE 1 PHASE 1**

CURVE TABLE
 $\Delta = 16^{\circ}08'04''$ R = 308.00' T = 43.37' L = 88.17' LC = 85.88'
 CURVE DATA BASED ON WATERLINE $\Delta/2 = 08^{\circ}04'02''$

| CHORD LENGTH | | | | | |
|--------------|--------|-------------|-------------|------------|------------------|
| STATION | ARC | 6'LT Offset | 6'RT Offset | DEFLECTION | TOTAL DEFLECTION |
| 43+21.86 | | | | 00°00'00" | 00°00'00" |
| 43+30.00 | 28.14' | | | 28.68' | 02°38'04" |
| 43+75.00 | 25.00' | | | 25.48' | 02°20'28" |
| 44+00.00 | 25.00' | | | 25.48' | 02°20'28" |
| 44+08.03 | 8.03' | | | 8.19' | 00°45'08" |

Del/Ft = 5.61723 Min.

STA. 44+37.70, LINE 1 =
BL#1 STA. 44+09.77, 42' LT.
REMOVE EXIST. 12" PLUG &
CONNECT TO EXIST. MAIN

See Sheet 4 of Water
Main Improvement Plans
1179_PPW

STA. 43+79.78, LINE 1 =
BL#1 STA. 43+51.89, 43.30' LT.
1-FIRE HYDT. ASSY.
L=5.0'

NOTE:
CONTRACTOR TO VERIFY
LOCATION AND ELEVATION OF
EXIST. 6" & 16" WATER LINES
PRIOR TO CONSTRUCTION.

CURVE TABLE
 $\Delta = 59^{\circ}29'08''$ R = 478.00' T = 273.12' L = 496.26' LC = 474.27'
 CURVE DATA BASED ON WATERLINE $\Delta/2 = 29^{\circ}44'33''$

| CHORD LENGTH | | | | | |
|--------------|--------|-------------|-------------|------------|------------------|
| STATION | ARC | 6'LT Offset | 6'RT Offset | DEFLECTION | TOTAL DEFLECTION |
| 33+03.43 | | | | 00°00'00" | 00°00'00" |
| 33+25.00 | 21.57' | 21.84' | | 01°17'34" | 01°17'34" |
| 33+50.00 | 25.00' | 25.31' | | 01°28'54" | 02°47'28" |
| 33+75.00 | 25.00' | 25.31' | | 01°28'54" | 04°17'22" |
| 34+00.00 | 25.00' | 25.31' | | 01°28'54" | 05°47'15" |
| 34+25.00 | 25.00' | 25.31' | | 01°28'54" | 07°17'10" |
| 34+50.00 | 25.00' | 25.31' | | 01°28'54" | 08°47'05" |
| 34+75.00 | 25.00' | 25.31' | | 01°28'54" | 10°16'58" |
| 35+00.00 | 25.00' | 25.31' | | 01°28'54" | 11°46'52" |
| 35+25.00 | 25.00' | 25.31' | | 01°28'54" | 13°16'46" |
| 35+50.00 | 25.00' | 25.31' | | 01°28'54" | 14°46'39" |
| 35+75.00 | 25.00' | 25.31' | | 01°28'54" | 16°16'33" |
| 36+00.00 | 25.00' | 25.31' | | 01°28'54" | 17°46'27" |
| 36+25.00 | 25.00' | 25.31' | | 01°28'54" | 19°16'21" |
| 36+50.00 | 25.00' | 25.31' | | 01°28'54" | 20°46'15" |
| 36+75.00 | 25.00' | 25.31' | | 01°28'54" | 22°16'09" |
| 37+00.00 | 25.00' | 25.31' | | 01°28'54" | 23°46'03" |
| 37+25.00 | 25.00' | 25.31' | | 01°28'54" | 25°15'57" |
| 37+50.00 | 25.00' | 25.31' | | 01°28'54" | 26°45'51" |
| 37+75.00 | 25.00' | 25.31' | | 01°28'54" | 28°15'45" |
| 37+99.89 | 21.89' | 25.00' | | 01°28'48" | 29°44'33" |

Del/Ft = 3.59597 Min.

CURVE TABLE
 $\Delta = 26^{\circ}55'28''$ R = 606.00' T = 145.37' L = 284.77' LC = 282.16'
 CURVE DATA BASED ON WATERLINE $\Delta/2 = 13^{\circ}27'44''$

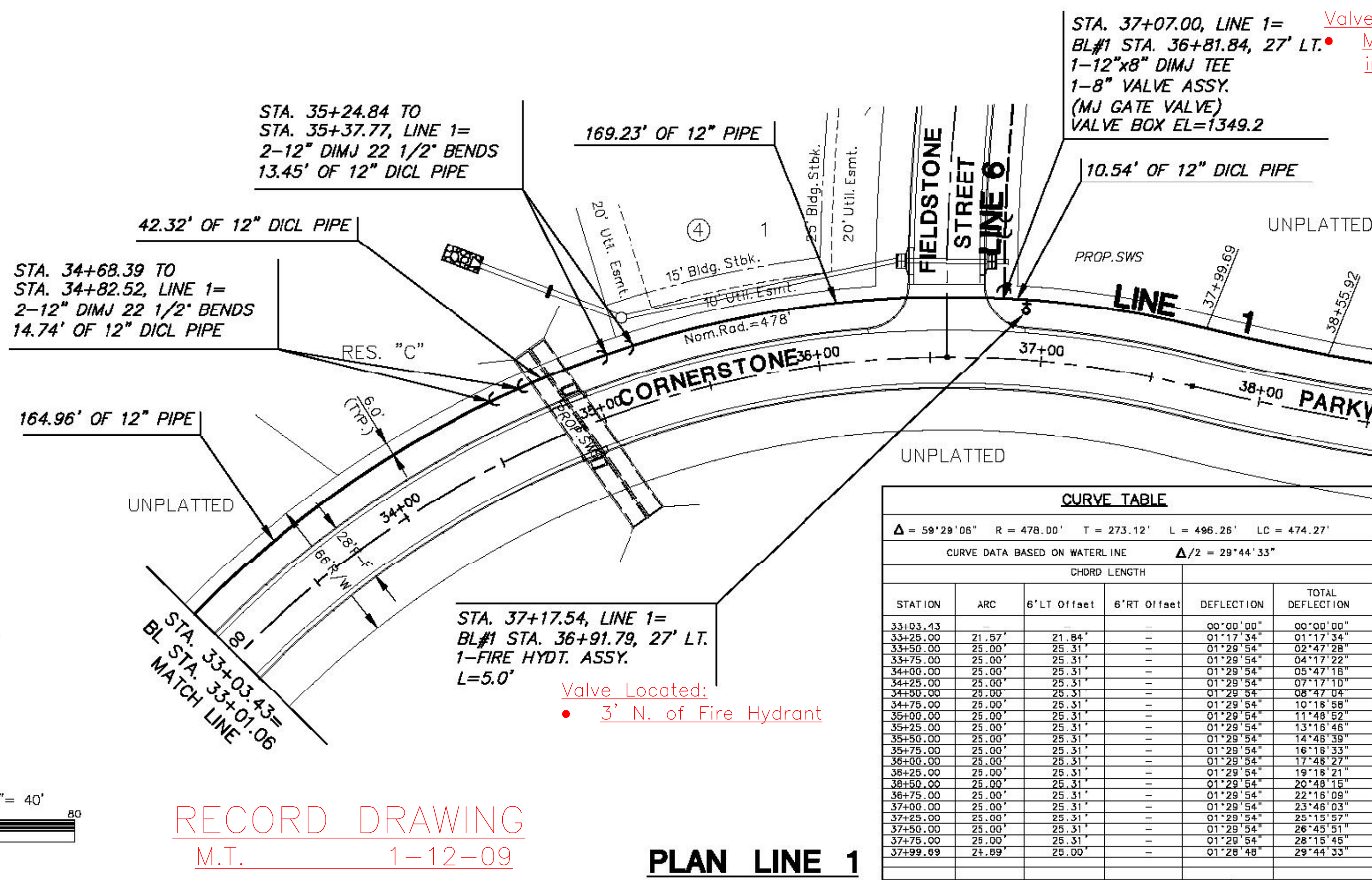
| CHORD LENGTH | | | | | |
|--------------|--------|-------------|-------------|------------|------------------|
| STATION | ARC | 6'LT Offset | 6'RT Offset | DEFLECTION | TOTAL DEFLECTION |
| 38+55.82 | | | | 00°00'00" | 00°00'00" |
| 38+75.00 | 19.08' | | | 18.27' | 00°54'07" |
| 39+00.00 | 25.00' | | | 25.25' | 01°10'55" |
| 39+25.00 | 25.00' | | | 25.25' | 01°10'55" |
| 39+50.00 | 25.00' | | | 25.25' | 01°10'55" |
| 39+75.00 | 25.00' | | | 25.25' | 01°10'55" |
| 40+00.00 | 25.00' | | | 25.25' | 01°10'55" |
| 40+25.00 | 25.00' | | | 25.25' | 01°10'55" |
| 40+50.00 | 25.00' | | | 25.25' | 01°10'55" |
| 40+75.00 | 25.00' | | | 25.25' | 01°10'55" |
| 41+00.00 | 25.00' | | | 25.25' | 01°10'55" |
| 41+25.00 | 25.00' | | | 25.25' | 01°10'55" |
| 41+40.89 | 15.89' | | | 15.85' | 00°44'30" |

Del/Ft = 2.83642 Min.

CURVE TABLE
 $\Delta = 31^{\circ}13'11''$ R = 332.60' T = 92.90' L = 181.17' LC = 178.94'
 CURVE DATA BASED ON WATERLINE $\Delta/2 = 15^{\circ}36'35''$

| CHORD LENGTH | | | | | |
|--------------|--------|-------------|-------------|------------|------------------|
| STATION | ARC | 6'LT Offset | 6'RT Offset | DEFLECTION | TOTAL DEFLECTION |
| 41+40.89 | | | | 00°00'00" | 00°00'00" |
| 41+50.00 | 9.31' | 9.48' | | 00°48'08" | 00°48'08" |
| 41+75.00 | 25.00' | 25.45' | | 02°09'14" | 02°57'22" |
| 42+00.00 | 25.00' | 25.45' | | 02°09'14" | 05°06'36" |
| 42+25.00 | 25.00' | 25.45' | | 02°09'14" | 07°15'51" |
| 42+50.00 | 25.00' | 25.45' | | 02°09'14" | 09°25'05" |
| 42+75.00 | 25.00' | 25.45' | | 02°09'14" | 11°34'19" |
| 43+00.00 | 25.00' | 25.45' | | 02°09'14" | 13°43'34" |
| 43+21.86 | 21.86' | 22.26' | | 01°53'02" | 15°36'35" |

Del/Ft = 5.18954 Min.



STA. 37+17.54, LINE 1 =
BL#1 STA. 36+91.79, 27' LT.
1-FIRE HYDT. ASSY.
L=5.0'

Valve Located:
• 3' N. of Fire Hydrant

STA. 37+07.00, LINE 1 =
BL#1 STA. 36+81.84, 27' LT.
1-12\"/>

RECORD DRAWING
M.T. 1-12-09

PLAN LINE 1

