

**PUBLIC SERVICES DEPARTMENT
ENGINEERING DIVISION
CITY OF ANN ARBOR**

UTILITY CUT SHEET

| | | | |
|---------------|-----------------------------|---------------------|--------------|
| DATE : | 9/25/2002 | CONTRACTOR : | HIGGINS |
| COMP BY : | GFD | DRAWING NO. : | 2002027 |
| CHECKED BY : | JAM | THIS SHEET COVERS : | 0+00 TO 6+50 |
| SURVEY BOOK : | 1078 | CUT SHEETS FOR : | WATERMAIN |
| PAGES : | 70-74 | SHEET : | 1 OF 3 |
| PROJECT NAME: | ELDER / JEFFERSON WATERMAIN | | |

| STATION | O/S ELEV | GRADE | CUT/FILL | %GRADE | REMARKS |
|------------------|----------|--------|----------|--------|---|
| 0- 02.8 | | 858.49 | | | EXISTING 6"X6"X6" TS & VALVE |
| | | | | | VERIFY LOCATION AND ELEVATION OF |
| | | | | | EXISTING WATERMAIN |
| | | | | | |
| 0+ 06 | 863.96 | 858.49 | C- 5.47 | | 10' N'LY OF 8"X6" REDUCER |
| 0+ 06 | 863.96 | 858.49 | C- 5.47 | | 10' N'LY OF 8"X6" REDUCER |
| 0+ 19.9 | 864.34 | 857.94 | C- 6.40 | | 10' N'LY OF 8" 22 1/2 BEND |
| 0+ 36.3 | 863.75 | 857.56 | C- 6.19 | | 10' N'LY OF 8" 22 1/2 BEND |
| 0+ 50 | 863.32 | 856.97 | C- 6.35 | | 10' N'LY OF 8" WATERMAIN |
| 1+ 00 | 861.48 | 855.07 | C- 6.41 | | 10' N'LY OF 8" WATERMAIN |
| 1+ 50 | 858.57 | 852.97 | C- 5.60 | | 10' N'LY OF 8" WATERMAIN |
| 1+ 75.4="A" 0+00 | 857.62 | 852.10 | C- 5.52 | | 10' N'LY OF 8"X8"X6" TEE (TO N'LY) |
| 1+ 80.4 | 857.65 | 851.97 | C- 5.68 | | 10' N'LY OF 8"GVIB (T/C=857.5) |
| 2+ 00 | 857.54 | 851.00 | C- 6.54 | | 10' N'LY OF 8" WATERMAIN |
| 2+ 21 +- | | | | | VERIFY LOCATION OF EXISTING STORM X'ING |
| 2+ 46.2 | 857.42 | 850.50 | C- 6.92 | | 10' N'LY OF 8" WATERMAIN |
| 2+ 81.2 | 856.60 | 850.85 | C- 5.75 | | 10' NW'LY OF 8" 22 1/2 BEND |
| 3+ 00 | 856.60 | 851.05 | C- 5.55 | | 10' NW'LY OF 8" WATERMAIN |
| 3+ 24 +- | | | | | VERIFY LOCATION OF EXISTING STORM X'ING |
| 3+ 45.7 | 856.83 | 851.50 | C- 5.33 | | 10' N'LY OF 8" 22 1/2 BEND |
| 3+ 50 | 856.91 | 851.50 | C- 5.41 | | 10' N'LY OF 8" WATERMAIN |
| 3+ 93.9 | 857.48 | 851.76 | C- 5.72 | | 10' N'LY OF 8" 22 1/2 BEND |
| 3+ 98.9 | 857.61 | 851.86 | C- 5.75 | | 10' NE'LY OF 8" 11 1/4 BEND |
| 4+ 50 | 862.46 | 856.40 | C- 6.06 | | 10' SW'LY OF 8" WATERMAIN |
| 4+ 71.6="C" 0+00 | 862.82 | 857.10 | C- 5.72 | | 10' SW'LY OF 8"X8"X6" TEE (TO SW'LY) |
| 4+ 76.6 | 862.96 | 857.22 | C- 5.74 | | 10' SW'LY OF 8"GVIB (T/C=862.6) |
| 4+ 80.3 | 863.01 | 857.26 | C- 5.75 | | 10' NE'LY OF 8" 22 1/2 BEND |
| 4+ 83="B" 0+00 | 863.07 | 857.26 | C- 5.81 | | 10' NE'LY OF 8"X8"X4" TEE (TO SW'LY) |
| 4+ 85.4 | 863.14 | 857.26 | C- 5.88 | | 10' NE'LY OF 8" 11 1/4 BEND |
| 5+ 00 | 862.52 | 856.91 | C- 5.61 | | 10' N'LY OF 8" WATERMAIN |
| 5+ 50 | 862.63 | 856.76 | C- 5.87 | | 10' N'LY OF 8" WATERMAIN |
| 5+ 93="D"0+00 | 862.42 | 857.36 | C- 5.06 | | 10' N'LY OF 8"X8"X8" TEE (TO N'LY) |
| 6+ 00 | 862.67 | 857.36 | C- 5.31 | | 10' N'LY OF 8" WATERMAIN |
| 6+ 50 | 862.67 | 857.13 | C- 5.54 | | 10' N'LY OF 8" WATERMAIN |

ALL WATERMAINS ARE MEASURED AT THE TOP OF PIPE

APPROVED BY: _____

DATE: _____

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UTILITY CUT SHEET

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|---|----------------------------------|
| DATE : 9/25/2002 | CONTRACTOR : HIGGINS |
| COMP BY : GFD | DRAWING NO. : 2002027 |
| CHECKED BY : JAM | THIS SHEET COVERS : 7+00 TO 8+07 |
| SURVEY BOOK : 1078 | CUT SHEETS FOR : WATERMAIN |
| PAGES : 70-74 | SHEET : 2 OF 3 |
| PROJECT NAME: ELDER / JEFFERSON WATERMAIN | |

| STATION | O/S ELEV | GRADE | CUT/FILL | %GRADE | REMARKS |
|---------|----------|--------|----------|---|--|
| 7+ 00 | 861.82 | 856.30 | C- 5.52 | 103 LF OF 8" CL 50 DIP W/POLY ↑↓ | 10' N'LY OF 8" WATERMAIN |
| 7+ 50 | 860.42 | 854.95 | C- 5.47 | | 10' N'LY OF 8" WATERMAIN |
| 7+ 96.3 | 859.15 | 853.42 | C- 5.73 | | 10' N'LY OF 8" 45 BEND |
| 8+ 00.1 | 858.76 | 853.29 | C- 5.47 | | 10' N'LY OF 8" 45 BEND |
| 8+ 03 | 858.65 | 853.26 | C- 5.39 | | 10' N'LY OF 8" X 6" REDUCER |
| 8+ 03 | 858.65 | 853.26 | C- 5.39 | 4 LF OF 6" CL 50 DIP W/POLY ↑↓ | 10' N'LY OF 8" X 6" REDUCER |
| 8+ 07 | 858.51 | 853.14 | C- 5.37 | | 10' N'LY OF 6" TIE IN |
| | | | | | VERIFY LOCATION AND ELEVATION OF EXISTING WATERMAIN |
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| DATE : 9/25/2002 | CONTRACTOR : HIGGINS |
| COMP BY : GFD | DRAWING NO. : 2002027 |
| CHECKED BY : JAM | THIS SHEET COVERS : AUX STATIONING |
| SURVEY BOOK : 1078 | CUT SHEETS FOR : WATERMAIN |
| PAGES : 70-74 | SHEET : 3 OF 3 |
| PROJECT NAME: ELDER / JEFFERSON WATERMAIN | |

| STATION | O/S ELEV | GRADE | CUT/FILL | %GRADE | REMARKS |
|---------------|----------|--------|----------|---------------------------------------|---|
| AUX "A" 0+00 | 857.62 | 852.10 | C- 5.52 | 13 LF OF 6" CL 50 DIP W/POLY | 10' N'LY OF 8"X8"X6" TEE (TO N'LY) |
| 1+75.4 | | | | | |
| | | | | | |
| AUX "A" 0+13= | 857.78 | 852.17 | C- 5.61 | | 10' W'LY OF FIRE HYDRANT F/G=857.67 |
| | | | | | |
| | | | | | |
| | | | | | |
| AUX "B" 0+00= | 863.07 | 857.26 | C- 5.81 | 5 LF OF 4" CL 50 DIP W/POLY | 10' N'LY OF 8"X8"X4" TEE (TO S'LY) |
| 4+83 | | | | | |
| AUX "B" 0+05 | 862.86 | 857.36 | C- 5.50 | | 10' W'LY OF GATE VALVE IN BOX T/C=862.86 |
| | | | | | |
| | | | | | |
| | | | | | |
| AUX "C" 0+00= | 862.82 | 857.10 | C- 5.72 | 5 LF OF 6" CL 50 DIP W/POLY | 10' SW'LY OF 8"X8"X6" TEE (TO SW) |
| 4+71.6 | | | | | |
| AUX "C" 0+08 | 863.13 | 857.17 | C- 5.96 | | 10' SW'LY OF FIRE HYDRANT F/G=862.9 |
| | | | | | |
| | | | | | |
| | | | | | |
| AUX "D" 0+00= | 862.42 | 857.36 | C- 5.06 | 5 LF OF 8" CL 50 DIP W/POLY | 10' N'LY OF 8"X8"X8" TEE (TO N'LY) |
| 5+93 | | | | | |
| AUX "D" 0+05 | 862.66 | 857.01 | C- 5.65 | | 10' E'LY OF GATE VALVE IN BOX F/G=862.51 |

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