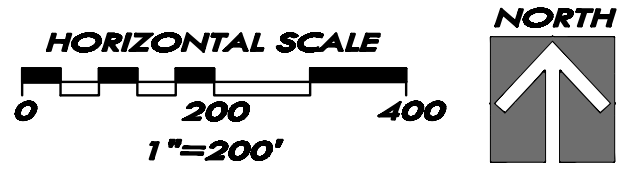


HORIZONTAL CONTROL:

- POINT NO. 100
N. 4960.39 E. 3108.02
WL NO. 1, BL STA. 10+00.00
OFFICE CALCULATED POINT (NO MONUMENT)
- POINT NO. 101
N. 5000.00 E. 5000.00
WL NO. 3, BL STA. 21+28.58=
WL NO. 1, BL STA. 28+91.97, 39.98' LEFT
FOUND 3/4" I.P. IN THIMBLE AT CL OF MARTINSON AVE. AND NORTH R/W LINE OF McCORMICK AVE.
- POINT NO. 102
N. 5000.00 E. 4630.12
WL NO. 6, BL STA. 10+00=
WL NO. 1, BL STA. 25+22.09, 39.90' LEFT
FOUND 3/4" I.P. IN THIMBLE AT CL ELIZABETH AVE. AND NORTH R/W OF McCORMICK AVE.
- POINT NO. 103
N. 5719.88 E. 4999.09
WL NO. 2, BL STA. 14+08.70=
DAYTON BL STA. 10+00.00
FOUND CHISLED "+" AT CL MARTINSON AVE. AND DAYTON AVE.
- POINT NO. 104
N. 4034.96 E. 5003.18
WL NO. 6, BL STA. 30+94.03=
WL NO. 9, BL STA. 25+04.72
FOUND 3/4" I.P. IN THIMBLE AT CL MARTINSON AVE. AND STILLWELL AVE.
- POINT NO. 105
N. 5000.00 E. 4255.13
WL NO. 4, BL STA. 10+00=
WL NO. 1, BL STA. 21+47.10, 39.68' LEFT
FOUND 3/4" I.P. IN THIMBLE AT CL FERN AVE. AND NORTH R/W LINE OF McCORMICK AVE.
- POINT NO. 106
N. 5000.07 E. 3875.21
WL NO. 3, BL STA. 10+00.00=
WL NO. 1, BL STA. 17+67.18, 39.83' LEFT
FOUND 3/4" I.P. IN THIMBLE AT CL MILLWOOD AVE. AND NORTH R/W LINE OF McCORMICK AVE.
- POINT NO. 107
N. 4999.85 E. 4255.13
WL NO. 4, BL STA. 10+00=
WL NO. 1, BL STA. 21+47.10, 39.68' LEFT
FOUND 3/4" I.P. IN THIMBLE AT CL FERN AVE. AND NORTH R/W LINE OF McCORMICK AVE.
- POINT NO. 108
N. 5000.00 E. 4259.52
WL NO. 4, BL STA. 23+59.77=
WALKER BL STA. 17+68.34
OFFICE CALCULATED POINT (NO MONUMENT)
- POINT NO. 109
N. 5000.31 E. 3494.97
WL NO. 2, BL STA. 10+00=
WL NO. 1, BL STA. 13+86.94, 40' LEFT
FOUND 3/4" I.P. IN THIMBLE AT CL VINE AVE. AND NORTH R/W LINE OF McCORMICK AVE.
- POINT NO. 110
N. 4424.98 E. 3497.08
WL NO. 2, BL STA. 15+75.34=
WL NO. 10, BL STA. 10+00.00
FOUND 3/4" I.P. IN THIMBLE AT CL VINE AVE. AND IRVING AVE.
- POINT NO. 111
N. 4034.93 E. 3498.37
WL NO. 2, BL STA. 19+65.39=
WL NO. 9, BL STA. 10+00.00
FOUND 3/4" I.P. IN THIMBLE AT CL VINE AVE. AND STILLWELL AVE.
- POINT NO. 112
N. 3640.23 E. 3491.19
WL NO. 2, BL STA. 23+68.57=
WALKER BL STA. 10+00.00
FOUND 3/4" I.P. IN THIMBLE AT CL VINE AVE. AND WALKER AVE.
- POINT NO. 113
N. 4959.84 E. 5940.59
WL NO. 1, BL STA. 38+32.57=
SENECA BL STA. 10+00.00
FOUND 1/2" I.P. IN THIMBLE AT CL McCORMICK AVE. AND SENECA ST.
- POINT NO. 114
N. 4920.65 E. 6465.36
WL NO. 1, BL STA. 43+57.28, 40' RIGHT
WALNUT BL STA. 10+40.01
FOUND 3/4" I.P. IN THIMBLE AT CL WALNUT ST. AND SOUTH R/W LINE OF McCORMICK AVE.
- POINT NO. 115
N. 5000.15 E. 5370.42
WL NO. 7, BL STA. 10+00=
WL NO. 1, BL STA. 32+62.39, 40.20' LEFT
FOUND 3/4" I.P. IN THIMBLE AT CL DODGE AVE. AND NORTH R/W LINE OF McCORMICK AVE.
- POINT NO. 116
N. 4034.69 E. 5338.53
WL NO. 7, BL STA. 19+65.35, 35' RIGHT=
WL NO. 9, BL STA. 28+40.07
FOUND 3/4" I.P. IN THIMBLE AT CL STILLWELL AVE. AND WEST R/W LINE OF DODGE AVE.
- POINT NO. 117
N. 3639.96 E. 5004.52
WL NO. 6, BL STA. 34+88.62=
WALKER BL STA. 25+13.33
FOUND 3/4" I.P. IN THIMBLE AT CL MARTINSON AVE. AND WALKER AVE.
- POINT NO. 118
N. 4034.67 E. 3878.52
WL NO. 3, BL STA. 19+65.24=
WL NO. 9, BL STA. 13+90.06
FOUND 3/4" I.P. IN THIMBLE AT CL MILLWOOD AVE. AND STILLWELL AVE.
- POINT NO. 119
N. 3180.40 E. 3869.28
WL NO. 3, BL STA. 28+30.77=
WL NO. 8, BL STA. 13+77.59
FOUND 1" I.P. AT CL MILLWOOD AVE. AND DOOLEY AVE.
- POINT NO. 120
N. 4589.73 E. 6466.37
WL NO. 10, BL STA. 41+34.04=
WALNUT BL STA. 13+70.93
FOUND 1 1/4" I.P. IN THIMBLE AT CL WALNUT ST. AND IRVING AVE.
- POINT NO. 121
N. 4590.17 E. 6687.19
WL NO. 10, BL STA. 43+54.87=
WL NO. 11, BL STA. 10+00.00
FOUND PK NAIL SET IN 1 1/2" I.P. IN THIMBLE AT CL IRVING AVE. AND HANDLEY ST.
- POINT NO. 122
N. 4589.67 E. 7061.95
WL NO. 10, BL STA. 47+29.64=
OSAGE BL STA. 15+24.72
FOUND 3/4" I.P. IN THIMBLE AT CL IRVING AVE. AND OSAGE ST.
- POINT NO. 123
N. 4103.60 E. 6688.54
WL NO. 11, BL STA. 14+86.57=
WL NO. 9, BL STA. 42+57.40
FOUND 3/4" I.P. IN THIMBLE AT CL HANDLEY ST. AND STILLWELL AVE.
- POINT NO. 124
N. 4961.49 E. 6994.59
WL NO. 1, BL STA. 48+86.57
OSAGE BL STA. 10+00.00
OFFICE CALCULATED POINT (NO MONUMENT)
- POINT NO. 125
N. 3640.23 E. 3499.67
WL NO. 2, BL STA. 23+60.09=
WALKER BL STA. 10+08.48
COULD NO OPEN THIMBLE, OFFICE CALCULATED POINT
- POINT NO. 126
N. 4424.88 E. 3877.18
WL NO. 3, BL STA. 15+75.19=
WL NO. 10, BL STA. 13+80.10
OFFICE CALCULATED POINT (NO MONUMENT)
- POINT NO. 127
N. 3640.16 E. 3879.87
WL NO. 3, BL STA. 23+59.92=
WALKER BL STA. 13+88.68
OFFICE CALCULATED POINT (NO MONUMENT)
- POINT NO. 128
N. 4034.74 E. 4258.25
WL NO. 4, BL STA. 19+65.12=
WL NO. 9, BL STA. 17+59.80
OFFICE CALCULATED POINT (NO MONUMENT)
- POINT NO. 129
N. 3640.09 E. 4259.52
WL NO. 4, BL STA. 23+59.77=
WALKER BL STA. 17+68.34
OFFICE CALCULATED POINT (NO MONUMENT)
- POINT NO. 130
N. 3180.32 E. 4250.28
WL NO. 4, BL STA. 28+29.29=
WL NO. 8, BL STA. 17+58.59
OFFICE CALCULATED POINT (NO MONUMENT)
- POINT NO. 131
N. 4424.70 E. 4631.94
WL NO. 5, BL STA. 19+65.30=
WL NO. 10, BL STA. 21+34.86
OFFICE CALCULATED POINT (NO MONUMENT)
- POINT NO. 132
N. 4034.65 E. 4633.17
WL NO. 5, BL STA. 19+65.36=
WL NO. 9, BL STA. 21+34.72
OFFICE CALCULATED POINT (NO MONUMENT)
- POINT NO. 133
N. 3640.03 E. 4634.42
WL NO. 1, BL STA. 23+59.98=
WALKER BL STA. 21+43.23
OFFICE CALCULATED POINT (NO MONUMENT)
- POINT NO. 134
N. 3640.03 E. 4625.78
WL NO. 5, BL STA. 23+70.22=
WALKER BL STA. 21+32.99
OFFICE CALCULATED POINT (NO MONUMENT)
- POINT NO. 135
N. 4424.61 E. 5001.89
WL NO. 6, BL STA. 27+03.97=
WL NO. 10, BL STA. 25+04.81
OFFICE CALCULATED POINT (NO MONUMENT)
- POINT NO. 136
N. 3639.96 E. 4996.78
WL NO. 6, BL STA. 34+96.36=
WALKER BL STA. 25+05.59
OFFICE CALCULATED POINT (NO MONUMENT)
- POINT NO. 137
N. 4424.52 E. 5372.27
WL NO. 7, BL STA. 15+75.63=
WL NO. 10, BL STA. 28+75.19
OFFICE CALCULATED POINT (NO MONUMENT)
- POINT NO. 138
N. 4588.71 E. 5941.55
WL NO. 10, BL STA. 36+09.23=
SENECA BL STA. 13+71.13
OFFICE CALCULATED POINT (NO MONUMENT)
- POINT NO. 139
N. 3434.96 E. 4997.00
WL NO. 6, BL STA. 37+01.37
OFFICE CALCULATED POINT (NO MONUMENT)
- POINT NO. 140
N. 3640.07 E. 5374.80
WL NO. 7, BL STA. 23+60.09=
WALKER BL STA. 28+83.61
OFFICE CALCULATED POINT (NO MONUMENT)
- POINT NO. 141
N. 3640.06 E. 5367.78
WL NO. 7, BL STA. 23+67.11=
WALKER BL STA. 28+76.59
OFFICE CALCULATED POINT (NO MONUMENT)
- POINT NO. 142
N. 4034.92 E. 5942.99
WL NO. 9, BL STA. 34+44.54=
SENECA BL STA. 19+24.93
OFFICE CALCULATED POINT (NO MONUMENT)
- POINT NO. 143
N. 4102.14 E. 5942.82
WL NO. 9, BL STA. 35+11.77
SENECA BL STA. 18+57.70
OFFICE CALCULATED POINT (NO MONUMENT)
- POINT NO. 144
N. 4424.38 E. 5941.98
WL NO. 10, BL STA. 34+44.88
SENECA BL STA. 15+35.46
OFFICE CALCULATED POINT (NO MONUMENT)
- POINT NO. 145
N. 3260.02 E. 4624.59
WL NO. 5, BL STA. 27+50.23
OFFICE CALCULATED POINT (NO MONUMENT)

BENCHMARK LIST:

- BM 1 - BRASS ROD IN CONCRETE POST AT NW CORNER OF McCORMICK AND GLENN, LOCATED UNDER WATER METER COVER. 32.00' WEST OF CL GLENN. ELEV. = 106.48
- BM 2 - CHISLED "+" IN CONCRETE SIDEWALK, AT R/W P.I., LOCATED AT THE SOUTHWEST CORNER OF McCORMICK AVE. AND SENECA ST. ELEV. = 107.65
- BM 201 - TOP OF 3/4" I.P. IN THIMBLE AT CL MARTINSON AVE. AND NORTH R/W LINE OF McCORMICK AVE. ELEV. = 107.01
- BM 202 - TOP OF 3/4" I.P. IN THIMBLE AT CL ELIZABETH AVE. AND NORTH R/W LINE OF McCORMICK AVE. ELEV. = 106.23
- BM 203 - CHISLED "+" IN CONCRETE, AT CL MARTINSON AVE. AND DAYTON AVE. ELEV. = 106.58
- BM 204 - TOP OF 3/4" I.P. IN THIMBLE AT CL MARTINSON AVE. AND STILLWELL AVE. ELEV. = 105.74
- BM 207 - TOP OF 3/4" I.P. IN THIMBLE AT CL FERN AVE. AND NORTH R/W LINE OF McCORMICK AVE. ELEV. = 106.58
- BM 208 - TOP OF 3/4" I.P. IN THIMBLE AT CL MILLWOOD AVE. AND NORTH R/W LINE OF McCORMICK AVE. ELEV. = 106.44
- BM 209 - CHISLED "+" IN CONCRETE AT CL MILLWOOD AVE. AND WALKER AVE. ELEV. = 104.62
- BM 211 - TOP OF 3/4" I.P. IN THIMBLE AT CL VINE ST. AND NORTH R/W LINE OF McCORMICK AVE. ELEV. = 106.01
- BM 212 - TOP OF 3/4" I.P. IN THIMBLE AT CL VINE ST. AND IRVING AVE. ELEV. = 104.78
- BM 213 - TOP OF 3/4" I.P. IN THIMBLE AT CL VINE ST. AND STILLWELL AVE. ELEV. = 104.26
- BM 214 - TOP OF 3/4" I.P. IN THIMBLE AT CL VINE ST. (LOOKING SOUTH) AND WALKER AVE. ELEV. = 104.14
- BM 216 - TOP OF 3/4" I.P. IN THIMBLE AT CL WALNUT ST. AND SOUTH R/W LINE OF McCORMICK AVE. ELEV. = 106.72
- BM 217 - TOP OF 3/4" I.P. IN THIMBLE AT CL DODGE AVE. AND NORTH R/W LINE OF McCORMICK AVE. ELEV. = 107.69
- BM 218 - TOP OF 3/4" I.P. IN THIMBLE AT CL STILLWELL AVE. AND WEST R/W LINE OF DODGE AVE. ELEV. = 106.19
- BM 219 - TOP OF 3/4" I.P. IN THIMBLE AT CL MARTINSON AVE. (LOOKING NORTH) AND WALKER AVE. ELEV. = 104.96
- BM 220 - TOP OF 3/4" I.P. IN THIMBLE AT CL MILLWOOD AVE. AND STILLWELL AVE. ELEV. = 104.98
- BM 222 - TOP OF 1 1/4" I.P. IN THIMBLE AT CL WALNUT ST. AND IRVING AVE. ELEV. = 106.55
- BM 223 - TOP OF 1 1/2" I.P. IN THIMBLE AT CL IRVING AVE. AND HANDLEY ST. ELEV. = 106.14



Design Survey: December 2006

HORIZONTAL AND VERTICAL CONTROL

McCormicks Water Main Replacement

City of Wichita, Sedgewick County, Kansas

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PROJECT NO.:	DATE:	BY:	APP.:
2-15-07			

REVISIONS	DATE	COMMENTS