TYLER STREET

TEE MH C7
(1350 mm x 1200 mm)
GL ~~270.208~~ 886.47
28 L.F. 15" RCP
~~8.40 m - 375 mm~~
RCP CL V @ 1.00%

MILL EXISTING BITUMINOUS SURFACE
40 mm DEEP X 1220 mm WIDE,
STRAIGHT LINE CUT, TACK &
MATCH EXISTING BITUMINOUS

STA: 0+606.823 END NOSE

STA: 0+593.623

STA: 0+580.623 END NOSE

CONNECT TO EXISTING
750 mm RCP
(INCIDENTAL)

0+592.159 END TAPER

BULKHEAD END OF
PIPE (INCIDENTAL)
INV 267.100

0+498.159 BEGIN TAPER

CONNECT TO STORM
SEWER BY OTHERS
INV 266.703

CB C7-B
GL ~~270.208~~ 886.49
INV ~~269.157~~ 883.09

STMH C8 (2100 mm Ø)
GL ~~270.014~~ 885.88

~~8 m 750 mm RCP~~ 26 L.F. 30" RCP
CL III @ 0.40%

TEE MH C9 (1800 mm x 1200 mm)
GL ~~269.806~~ 885.09

~~10.00 m - 450 mm~~ 33 L.F. 18" RCP
RCP CL V @ 1.00%

TEE MH C10 (1200 mm x 1200 mm)
GL ~~269.687~~ 884.45

~~10 m 750 mm~~ 33 L.F. 30" RCP
RCP CL III @0.70%

CONCRETE
PEDESTRIAN
CURB RAMP

28 L.F. 15" RCP
~~8.40 m - 375 mm~~
RCP CL V @ 1.00%

40 L.F. 18" RCP
~~12.00 m - 450 mm~~
RCP CL V @ 1.00%

ST MH C10-B
884.34 GL ~~269.557~~
880.64 INV ~~266.532~~

LOWER WATERMAIN APPROX.
1.5 M TO CLEAR STORM SEWER

CB C11-B
GL ~~883.59~~ GL ~~269.361~~
INV 880.19 INV ~~268.263~~

ST MH C11 (1800 mmØ)
GL ~~269.361~~ 883.65

SEE SHEET C1-6

1.8 m FF

CB C8-B
~~885.82~~ GL ~~270.014~~
882.32 INV ~~268.956~~

ST MH C8A (2100 mm Ø)
TOP ~~269.927~~ 885.62

ST MH C9-B
GL ~~269.734~~ 884.97
INV ~~268.186~~ 879.77

0.9 m CL to F

ST MH C10-C
884.40 GL ~~269.557~~
881.00 INV ~~268.550~~

~~10.72 m - 375 mm~~ 36 L.F. 15" RCP
RCP CL V @ 1.00%

~~1.80 m - 375 mm~~ 6 L.F. 15" RCP
RCP CL V @ 1.00%

~~8.40 m - 375 mm~~ 28 L.F. 15" RCP
RCP CL V @ 1.00%

~~1.80 m - 375 mm~~
RCP CL V @ 1.00%
6 L.F. 15" RCP

SEE SHEET C1-4

1:15 TAPER

1:15 TAPER

MH 109

6 L.F. 18" RCP
~~1.80 m - 450 mm~~
RCP CL V @ 1.00%

~~9.68 m - 375 mm~~ 32 L.F. 15" RCP
RCP CL V @ 1.00%

~~8.40 m - 450 mm~~ 28 L.F. 18" RCP
RCP CL V @ 1.00%

6 L.F. 15" RCP
~~1.80 m - 375 mm~~
RCP CL V @ 1.00%

CB C7-C
GL ~~270.130~~
INV ~~269.175~~
GL 886.20
INV 883.10

40 L.F. 15" RCP
~~12.00 m - 375 mm~~
RCP CL V @ 1.00%

CB C8-C
GL ~~269.936~~
INV ~~268.974~~
GL ~~885.60~~
INV 882.30

CB C8-D
GL ~~270.014~~
INV ~~269.094~~
GL ~~885.85~~
INV 882.75

6 L.F. 15" RCP
~~1.80 m - 375 mm~~
RCP CL V @ 1.00%

ST MH C9-C
GL ~~269.806~~ 885.05
INV ~~268.198~~ 879.95

ST MH C9-D
GL ~~269.806~~ 885.15
INV ~~268.282~~ 880.25

CB C10-D
GL ~~269.687~~ 884.59
INV ~~268.647~~ 881.29

CB C10-E
GL ~~269.501~~ 884.29
INV ~~268.677~~ 881.59

~~3.00 m - 375 mm~~ RCP CL V
9 L.F. 15" RCP

CB C11-C
883.47 GL ~~269.283~~
880.17 INV ~~268.201~~

40 L.F. 15" RCP
~~12.00 m - 375 mm~~
RCP CL V @ 1.00%

CB C11-D
GL ~~269.361~~
INV ~~268.481~~
GL 883.71
INV 880.61

CB C11-E
883.61 GL ~~269.345~~
880.71 INV ~~268.431~~

~~3.00m - 375mm~~
RCP CL V @ 1.00%
9 L.F. 15" RCP

CB C7-D
GL ~~270.208~~ 886.50
INV ~~269.295~~ 883.50

40 L.F. 15" RCP
12.00 m - 375 mm
RCP CL V @ 1.00%

POLE ANC

0 HORIZ (M) 10

0 VERT (M) 2

272	271	270	269	268	267	266	265	264	263	262

270.239 270.194 270.089 269.985 269.880 269.776 269.671 269.566 269.462

EXISTING ℄ PROFILE

FINISHED ℄ GRADE

0.523%

MAINTAIN 450 mm MIN.
CLEARANCE BETWEEN
EXISTING WATERMAIN

EXISTING WATERMAIN

WATER ELEV 2/23/98

136 L.F. 42" RCP @ 0.42%
~~26.00 m - 1050 mm~~
RCP CL III @ 0.265%

266.199

TEE MH C7
0+148
~~289.073~~ E 882.07 E
~~268.638~~ N
~~265.638~~ S 871.27 N,S

~~37.00 m - 1350 mm RCP CL III @ 0.286%~~
116 L.F. 54" RCP CL III @ 0.26%

~~23.00 m - 1200 mm~~
~~RCP CL III @ 0.255%~~
82 L.F. 42" RCP CL III @ 0.41%

TEE MH C8
0+611
~~268.872~~ E
~~265.732~~ N
~~265.732~~ S 871.58 N,S

~~16.19 m - 1200 mm~~
~~RCP CL III @ 0.295%~~
54 L.F. 42" RCP @ 0.31%

ST MH C8A
0+537
267.014 W
~~265.793~~ N
~~265.793~~ S 871.92 N,S

~~38.00 m - 1200 mm RCP CL III @ 0.286%~~
125 L.F. 42" RCP CL III @ 0.31%

TEE MH C9
0+571
~~268.060~~ E 878.99
~~265.840~~ N 872.09
~~265.840~~ S 872.09

BORING 15

~~47.00 m - 1200 mm RCP CL III @ 0.255%~~
154 L.F. 42" RCP CL III @ 0.19%

TEE MH C10
0+533
~~268.425~~ E 879.85 E
267.000 W
~~265.251~~ N
~~265.251~~ S 872.35 N,S

ST MH C11
0+436
~~260.179~~ E 879.95 N
~~266.833~~ W 874.25 W
~~266.876~~ N
~~266.876~~ S 872.65 N,S

0+640 0+620 0+600 0+580 0+560 0+540 0+520 0+500 0+480

RECORD PLAN
MARCH 2002

Xrefs: TYLER_BASE.DWG

DESIGNED BY: ---
DRAWN BY: VGJ
APPROVED: ---
JOB NUMBER 800110J
CAD DATE: April 16, 2002 12:58:45 p.m.
CAD FILE: 800110T\Asbuilts\S SEGMENT\04.DWG

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

DATE _____ REG.NO. _____

NO.	DATE	BY	REVISION DESCRIPTION
1.	11-8-99	RM	REVISE STORM SEWER & PROFILE

1326 ENERGY PARK DRIVE
ST. PAUL, MINNESOTA 55108
(612) 644-4389
Howard R. Green Company
CONSULTING ENGINEERS

CITY OF ELK RIVER
EASTERN AREA
TYLER STREET IMPROVEMENTS

PLAN + PROFILE S. OF C.S.A.H. 12
SP 71-613-08, SP 204-020-03, SP 204-133-01, SP 204-132-03
0+460 TO 0+648

SHEET NO.
C1-5

DRAWING NUMBER
DRAWING NUMBER
DRAWING NUMBER
EASTE.01
20