FOR BIDDING PURPOSES ONLY

SEE SHEET 18

SEE SHEET 29

DODGE STREET

BALDWIN STREET

ELK LANE

ADJUST EX CASTING
PROP RIM 940.69
FORM CURB TO
MATCH STRUCTURE
LOCATION

EX CBMH 121
STA +23.47
RT 16.70'B/C
FL=940.55
INV N=933.80
INV S=933.77
10"CASTING
3 RINGS=0.65'
48"DIA

CB 214
STA +60.88
LT 14.67
RIM 940.55
INV 937.55

ADJUST EX MH9
EX RIM: 943.49
PROP RIM: 943.96

EX SAN MH 9
TOP=943.49
INV NE=930.07
INV SE=930.07
INV W=929.97
7"CASTING
8 RINGS=1.36'
5'CONE

11383
GFE943.22
19'
CONC
D/W

11369
GFE943.51
16'
BIT
D/W

11355
GFE941.54
17'
BIT
D/W

11343
GFE942.77
16'
BIT
D/W

11378
17' BIT D/W
GFE946.99

11344
18'
CONC
D/W
GFE944.63

ADJUST GV

BLOCK RET WALL

WOOD RET WALL

ROCK LANDSCAPE

EXISTING 10"WATERMAIN

EXISTING 10"SANITARY SEWER

31 FT 12"
RCP @ 1.00%

CB 212

CBMH 213

CBMH 215

CBMH 216

CBMH 217

CBMH 219

STMH 218

EX CBMH 120
STA +24.44
RT 19.07'B/C
FL=940.73
INV N=933.59
INV S=933.54
10"CASTING
0 RINGS=0.00'
48"DIA

EX CBMH 118
STA +52.24
RT 16.02'B/C
FL=940.64
INV NE=937.04
INV SW=937.04
6"CASTING
0 RINGS=0.00'
2'x3' REC

50 LF 4" DRAINPIPE(TP)
(TYP.)

SILT FENCE
(TYP.)

REPLACE CASTING
WITH R-1733
ADJUST RIM
PROP RIM 941.29

MODULAR BLOCK
RETAINING WALL
1.0'H X 27'L

EX 24"CMP

EX 24"HDPE

EX 24"CMP

CL DATA: 12" TREE
?=6°41'16"
R=160.00
L=179.25

PC=203+36.79

RELOCATE
LIGHT POLE
(BY OTHERS)

EXISTING 8"SANITARY SEWER

0 20
0 VERT 5

189TH AVENUE NW

PROPOSED CL PROFILE

EXISTING CL PROFILE

100' VC
PVI STA = 201+50
PVI ELEV = 941.52
A.D. = 2.40
K = 41.67

160' VC
LOW POINT ELEV = 940.98
LOW POINT STA = 202+60.88
PVI STA = 203+25
PVI ELEV = 940.61
A.D. = 5.24
K = 30.53

100' VC
PVI STA = 204+75
PVI ELEV = 947.69
A.D. = -1.00
K = 100.00

-2.92%

-0.52%

4.72%

BVC: 201+00
ELE: 942.98

EVC: 202+00
ELE: 941.26

BVC: 202+45
ELE: 941.03

EVC: 204+05
ELE: 944.39

BVC: 204+25
ELE: 945.33

+24.44 EXCBMH 120
FL=940.73, INV=933.54

+96.54 CL ELK LANE

BORING NO. B-19

>SM

118 FT 15" RCP @ 1.01%

10 FT 12"
RCP @ 1.00%

17 FT 15"
RCP @ 1.00%

97 FT 15" RCP @ 3.88%

44 FT 15"
RCP @ 4.80%

+99.25 CL DODGE ST

CB 212
STA +42.66
RT 14.67
RIM 940.56
INV 937.56 E

CBMH 213
STA +52.66
RT 14.67
RIM 940.55
INV 937.46 W
INV 937.24 E
INV 937.24 N
INV 937.04 S

CBMH 215
STA +68.15
RT 14.67
RIM 942.43
INV 938.53 NE
INV 938.53 E
INV 938.43 W

STMH 216
STA +84.54
RT 13.10
RIM 943.18
INV 939.68 SE
INV 938.80 E
INV 938.70 W

CBMH 219
STA +25.45
RT 14.67
RIM 944.91
INV 941.01 NE
INV 940.91 SW

945.9 945.90 | 945.3 945.17 | 944.5 944.44 | 943.8 943.71 | 943.2 942.98 | 942.7 942.33 | 942.2 941.82 | 941.8 941.47 | 941.5 941.26 | 941.3 941.13 | 941.3 941.00 | 941.4 941.02 | 941.7 941.24 | 942.1 941.66 | 942.5 942.29 | 942.9 943.12 | 943.6 944.15 | 944.6 945.33 | 945.6 946.48 | 946.9 947.57 | 948.1 948.59

200+00 200+50 201+00 201+50 202+00 202+50 203+00 203+50 204+00 204+50 205+00

955 950 945 940 935 930 925 920 915

REVISIONS		
NO.	DATE	BY	DESCRIPTION

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

Print Name:: JOHN M. ANDERSON

Signature:

Date: 02-26-07 License # 25889

CITY OF ELK RIVER
2007 STREET IMPROVEMENTS
DEERFIELD 3RD

PLAN AND PROFILE
189TH AVENUE NW

200+00 TO 205+00

BDM
Consulting Engineers and Surveyors, PLC
11040 183rd Cir. NW, Suite A
Elk River, MN 55330
Phone: (763) 441-0877
Fax: (763) 441-1090
bdmce.com

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CHECKED BY: JMA
DESIGNED BY: JMA
JOB NO. 226152

SHEET 20 | SHEETS 124