Fed. Proj. No.

MAIN STREET

NOTE: All SANITARY Services Reconnected, were to Clay Pipe Unless NOTED

9+40 6" WET TAP
9+50 6" SANITARY SEWER
9+62 ¾" CURB STOP

EXISTING ¾" CU | 1½" COPPER | 12+80 1½" COPPER

40'- 6" D.I.P. | EXIST. 4" WM | 4" SLEEVE | 6"x4" RED. | 6" VALVE | 45° BENDS | 12"x6" RED. | EXIST. 12" WM | EXIST. 10" WM

RELOCATE EXISTING HYDRANT LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD

0+75 6" PVC RECONNECTED | 1+32 6" PVC RECONNECTED | 1+91 6" PVC NEW TO BE BELOW GROUND | 1+99 6" PVC RECONNECTED

2+89 6" P.V.C.+4" TRANSITE RECONNECTED EXISTING WATER SERVICE

5+21 6" PVC RECONNECTED | REMOVE & SALVAGE EXISTING HYDRANT | 6+41 6" PVC RECONNECTED EXISTING ¾" COPPER

9+50 6" P.V.C. NEW | 10+56 6" P.V.C. RECONNECTED | 11+55 6" P.V.C. RECONNECTED | 12+16 6" P.V.C. RECONNECTED

EXIST. INV.= 874.70 S, 874.61 N, 873.29 W

PROPOSED INV.= 873.29 S

6" PLUG

BREAK INTO EXISTING MANHOLE & REFORM INVERT

120'-6" D.I.P. WATERMAIN

12°

129'-12" PIPE @ 0.22%

REMOVE EXISTING 6"x6"x6" TEE & INSTALL 6"x6" CROSS

REMOVE EXISTING 6" VALVE & RELOCATE ON WEST SIDE OF CROSS

35'-6" PVC | 25'-6" DIP & PLUG

INSULATE EXISTING 6" WATERMAIN

REMOVE EXISTING SANITARY SEWER, INSTALL NEW 8-INCH SEWER, REFORM INVERT & DOGHOUSE

SAN. SEWER SERVICE | 6" WET TAP W/VALVE

CONNECT TO EXISTING 6" WATERMAIN

50'-6" DIP WATERMAIN

CONNECT TO EXISTING 4" WATERMAIN

ALARM WIRES FOR LIFT STATION

LIFT STATION BLDG.

6" VALVE

HYDRANT 6" VALVE

45° BEND 22½° BEND

EXISTING 12" WATERMAIN

EXISTING 12" SANITARY SEWER

EXISTING 8" STORM SEWER

SALVAGE EXISTING 4" VALVE

6" VALVE

PROPOSED 6" WATERMAIN

EXISTING 4" WATERMAIN

PROPOSED STORM SEWER

WATER SERVICE 0+05 WEST EXISTING ¾" CU

BREAK INTO EXISTING MANHOLE & REFORM INVERT TO DIVERT SEWAGE FLOWING WEST & TO DIRECT FLOW FROM NORTH & SOUTH TO EAST, PROVIDE REMOVABLE PLUG FOR WEST SANITARY SEWER LINE

CONNECT TO EXISTING 12" WATERMAIN & INSTALL 12"x6" REDUCER.

OR SALVAGE EXISTING 12"x4" REDUCER

CATES AVENUE | FREEPORT STREET | EVANS STREET

EXISTING FOREMAIN

EXISTING WATERMAIN

1½" CU

0+92 6" P.V.C. NEW

2+04 1½" CU, 6" PVC EXTENDED TO PROPERTY LINE

3+17 1½" CU, 6" P.V.C EXTENDED TO PROPERTY LINE

4+90 6" PVC EXTENDED TO PROPERTY LINE

5+69 6" PVC RECONNECTED

EX ¾" CU | EX ¾" CU | 1½" CU

6"x6"x6" TEE

6"x4" REDUCER & 4" VALVE

6+77 6" PVC EXTENDED TO PROPERTY LINE

9+06 6" P.V.C. TO CAST IRON

9+65 1" COPPER 9+55 6" P.V.C. NEW

NOTE: EXTEND & CONNECT SANITARY SEWER AND 1" WATER SERVICES. 1½" WATER SERVICES TO BE LOCATED BY ENGINEER IN FIELD

EXISTING 1½" CU 10+18 6" P.V.C. RECONNECTED

EXISTING 1½" CU

12+85 1½" CU NEW

11+21 6" P.V.C. RECONNECTED

12+85 6" P.V.C. NEW

6" VALVE | EXIST. 4" WM | 4" SLEEVE | 6"x4" REDUCER | 56'-6" D.I.P. | EXIST. 6" WM | 6" SLEEVE | 6"x6"x6" CROSS | REPLACED 6" VALVE | INSULATED 8' SOUTH OF VALVE

TOP 887.63 | TOP 885.68 | TOP 888.29

INSULATE EXISTING WATERMAIN & SERVICES AS NECESSARY

RECONSTRUCT MANHOLE TO NEW TOP ELEVATION SHOWN

EXISTING & PROFILE | FINISHED & GRADE

-0.40% | -2.00% | -0.48% | +0.64% | +2.28%

LOWER WATER SERVICES BELOW STORM SEWER

7.5' MIN. COVER

EXIST. DRAIN INV.=886.82 S

EXISTING 54"RCP STORM SEWER

INV.=879.85

810 L.F. 6" D.I.P. WATERMAIN

EXISTING MANHOLE TO BE REMOVED

EXISTING MANHOLE TO BE REMOVED

PROPOSED 18" STORM SEWER

EXISTING MANHOLE TO BE REMOVED

PROPOSED 18" STORM SEWER

CONSTRUCT OUTSIDE DROP 3.67' EAST & SOUTH INV.=878.24

368'-8" PIPE @ 0.40%

SDR 35 ASTM 3034

REMOVE EXISTING SANITARY SEWER & REPLACE AS SHOWN

EXISTING SANITARY SEWER (To Be Removed)

396'-12" PIPE @ 0.22%

400' SDR 35 ASTM 3034

EXISTING SANITARY SEWER (To Be Removed)

397'-12" PIPE @ 0.22%

392' SDR 35 ASTM 3034

184'-8" PIPE @ 1.84%

EXISTING SANITARY SEWER

EXISTING INV. 881.62

INV.=879.71

INV. 885.00

EXIST. INV. 878.22 S, 878.42 E, 878.02 NE, 878.74 N

EXIST. INV. 877.81 SW, 877.84 N

EXISTING 4" WATERMAIN

EXIST. INV. S=875.76, E&W=875.31, N.=875.46

INV. 875.31

EXIST. INV. 876.73 E&W

INV. 874.44

INV. 873.57

+00 & GATES AVENUE | +35 PVI=894.00 | +96 & FREEPORT STREET-MH#3 | +52 & EVANS STREET | +00 MH#4 | +50 PVI=887.97 | +61 EXISTING MANHOLE | +44.5 4 POINT

894.30 | 893.90 | 887.68 | 885.75 | 888.07 | 892.40

895 | 890 | 885 | 880 | 875

0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14

AS-BUILT
DRAWN BY: MRK Date 2-4-85
CHECKED BY:
INSPECTOR JcH Date 2-11-85
DESIGN ENGR. Date
PARTY CHIEF SS Date 2-11-85

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 State of Minn. Statutes Sections 326.02 to 326.16
Terry J. Maurer
Date 10/14/83 Minn. Reg. No 15316

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REVISIONS 6/1984 Added SAN. Sewer

DESIGNED BY TJM
CHECKED BY TJM
DRAWN BY MRJ
GRAPHIC SCALE 0 HORIZ 50 0 VERT 5

CITY OF ELK RIVER
SANITARY SEWER & WATERMAIN
MAIN STREET - CHANGE ORDER #1

BK LOOSE PG LEAF | DATE JULY 1983 | SHEET 3 OF 14 SHEETS | FILE NO ER314.02

STATE AID PROJECT NO. 204-113-01

110

DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER MAINS 83 3