0 15 30 60

2nd AVE N.W.

1st. AVE N.W.

6th ST. N.W.

7/8" IRON PIN IN CASTING.

NOTE: REMOVE AND INSTALL 4.5 L.F. 8" SEWER NORTH OF MH 13

3/4" COPPER SERVICE LINE FOR 204 - 6th ST. N.W. 8.2' OF COVER.

EX. MH. STA. 1+90, 179.3 LT
RIM 1754.80
N. INV. 1745.44
S. INV. 1745.36

2" GAS MAIN APPROX. 2' OF COVER

8" SAN

4" W

MH. #13 TYPE A

SURVEY ℄

0+00 1+00 2+00 3+00 4+00 5+00 6+00

6" W.M.

4" C.I.W.M. APPROX. 7' OF COVER.

STREET LIGHT WIRES BURIED APPROX. 18"

NOTE: NEW 6" SAN. SERVICE CONNECTS TO EX. SERVICE 7' NORTH & 3' WEST OF FENCE CORNER. SADDLE WYE ON 8" SEWER IS 5' NORTH OF FENCE CORNER.

4" WATERMAIN HAS APPROX. 8' OF COVER.

GAS SERVICE APPROX. 18" OF COVER

APPROX. LOCATION OF 8" V.C. SEWER FROM MORTON COUTY JAIL. APPROX. 4' OF COVER. 92' WEST OF MH 14.

BURIED TELEPHONE CABLE 11' WEST OF ℄ MH 14, APPROX. 15" DEEP.

HEDGE APPROX. 2' COVER GAS SERVICE

CONCRETE DRIVEWAY

CONCRETE DRIVEWAY

EXISTING 6" SEWER SERVICE

NEW 6" SEWER SERVICE 87' SOUTH OF MH 13.

CHAIN LINK FENCE

3/4" COPPER SERVICE LINE APPROX. COVER 5.3'

118.5 L.F. 8" P.V.C.

EX. MH STA. 1+90, 119.5 RT
RIM 1750.78
N. INV. 1743.97 (8")
E. INV. 1743.99 (6")
S. INV. 1743.91 (8")
W. INV. 1743.94 (8")

HEDGE

CONCRETE

REMOVE AND REPLACE ASPHALT

1+88 TO 2+53	1+90 TO 2+50,	80'X16' = 107 S.Y.
2+53 TO 3+03	2+50 TO 3+00,	50'X14' = 78 S.Y.
3+03 TO 3+78	3+00 TO 3+75,	75'X13' = 108 S.Y.
3+78 TO 4+53	3+75 TO 4+50,	75'X12' = 100 S.Y.
4+53 TO 5+73	4+50 TO 5+68,	118'X10' = 131 S.Y.
		TOTAL = 524 S.Y.

65'X16' = 115.6 S.Y.	
50'X14' = 77.8 S.Y.	
75'X13' = 108.3 S.Y.	
75'X12' = 100.0 S.Y.	
120'X10' = 133.3 S.Y.	
TOTAL = 535.0 S.Y.	

REMOVE AND REPLACE ASPHALT

1+90, (0+00 TO 0+40 RT.)	40'X15' = 67 S.Y.
1+90, (0+40 TO 0+65 RT.)	25'X12' = 33 S.Y.
1+90, (0+65 TO 1+19.5 RT.)	65'X10' = 61 S.Y.
	TOTAL = 161 S.Y.
1+88, (0+00 RT. TO 0+37' RT.)	37'X16' = 65.8 S.Y.
1+88, (0+37 RT. TO 0+87' RT.)	50'X12' = 66.7 S.Y.
1+88, (0+87.5 RT. TO 1+18.5' RT.)	31.5'X10' = 35.0 S.Y.
	167.5 S.Y.

NOTE: AFTER LINE TO EXISTING MANHOLE AT STA. 1+90, 119.5 RT. IS INSTALLED PLUG 8" LINE TO SOUTH AND RESHAPE INVERTS TO ACCOMMODATE FLOW TO THE NORTH. ALL COSTS SHALL BE INCIDENTAL TO PROJECT.

NOTE: 8" V.C. PIPE REMOVED FROM STA. 1+88 (0+04.5 LT. TO 1+18.5' RT.)

REMOVE AND REPLACE ASPHALT

5+68, (0+00 TO 0+35.5 LT.)	35.5'X10' = 39.4 S.Y.
5+68, (0+16.5 LT. TO 0+35.5 LT.)	19.0'X3' = 6.3 S.Y.
	TOTAL = 45.7 S.Y.

EX. MH. STA. 5+68, 35.5 LT.
RIM 1726.32
N. INV. 1718.14 (8")
E. INV. 1718.07 (8")
W. N.W. INV. 1721.88 (8")

35 35.5 L.F. 8" P.V.C.

380 378 L.F. 8" P.V.C.

SUMMARY OF QUANTITIES	
8" P.V.C. SEWER	538 533 L.F.
MANHOLES - TYPE A	2 EA.
REMOVE & REPLACE ASPHALT	785 S.Y. + 749 S.Y.
SEWER SERVICE CONNECTION	1 EA.
REMOVE SEWER PIPE	123 180 L.F.

N.E. FLANGE BOLT HYD 6th AVE N.W. & 2nd ST. NW.

EX. MH. STA. 1+96, 119.5 RT.

MH. #13 STA. 1+90 ℄

EXISTING PROFILE

1754.85 RIM 1754.80

APPROX. LOC. GAS MAIN

RIM 1750.78

APPROX. LOC. 6" WATERMAIN

N. INV. 1743.82

119.5 L.F. 8" @ 0.00%
118.5 L.F. @ 0.62%

1743.08 - S. INV. 1742.85
1744.67 - N. INV. 1742.53
1742.96 - E. INV. 1742.65

APPROX. LOC. 4" WATERMAIN

390 378 L.F. 8" P.V.C. @ 5.87% 5.28%

1726.05 RIM 1726.05

MH. #14 STA. 5+68 ℄

W. INV. 1720.78 5.65
N. INV. 1720.38 5.33

MH. #14 STA. 5+68 ℄

EX. MH. STA. 5+68, 35.5' LT.

RIM 1726.05 1726.32
W. INV. 1720.73
N. INV. 1720.43

RIM 1726.32

1718.48 S. INV. 1718.37

35 38.6 L.F. 8" P.V.C. @ 5.86% 5.28%

1760 1755 1750 1745 1740 1735 1730 1725 1720 1715

2+00 3+00 4+00 5+00

Record Drawing

PHASE III

REV.	DATE	DESCRIPTION	BY
△			
△			
△			
△			

MANDAN INTERCEPTOR 1984
MANDAN, NORTH DAKOTA
INTERCEPTOR REPLACEMENT
6th STREET N.W.

ULTEIG ENGINEERS, INC. FARGO-BISMARCK-MINNEAPOLIS

DRAWN BY: K.M.S.	SCALE: AS SHOWN	PROJECT NO. 4241
CHECKED BY:	DATE: MAY 1984	SHEET R-4 of
APPROVED BY: RR		

ULTEIG ENGINEERS