NOTE: ——— OWS
Indicates water service lines installed with corporation cocks, curb stops, and stop boxes. Tied to existing water service at property line

1-12"x8" Tee
1-12" Gate Valve
1-8" Gate Valve
1-8" Hydrant

1-12"x8" Tee
1-8" Gate Valve
1-8" Hydrant

1-12"x4" Tee - Tie into Existing Watermain
1-4" 22½° Bend
1-4" Salvaged Gate Valve

Mandan Softball Field

1-12" 90° Bend
2-12" Gate Valves
1-12" Tee
Lift Station
2-12"-45° Bends

3Ø Bank PP Supply Service

(Valve in Gutter)

3"-Watermain Crossings This Area

1-12"x8" Tee
1-8" Gate Valve
1-8" Hydrant

1-12"x8" Tee
1-12" Gate Valve
1-8" Gate Valve

1-12"x8" Tee
1-8" Gate Valve
1-8" Hydrant

Property Line — 12" Watermain — Property Line

15" Sewermain

Curb and Gutter

Watermain Crossing

8" to 4" Reducer

Existing Watermain to be abandoned

Gas Main

See This Sheet

1st Street S.E.

3rd Ave S.E.

4th Ave S.E.
Approx Location

Sidewalk — Valley Gutter — Sidewalk

Property Line — Property Line — Property Line

12 — Gerard Addition — 1 — Lot 2 — Lot 1

(2) (1)

See Sheet No. 6

Approximate Ground Elevation
12' North of Existing North Curb

8' Min. Cover

8" Watermain

12" Sanitary Sewermain

Scale:
Horz. 1" = 30'
Vert. 1" = 5'

1-12"x8" Tee
1-8" Gate Valve
1-8" Hydrant

12" Watermain

2-5' Dia. M.H.
1-8" Hydrant
1-12"x8" Tee
1-8" Gate Valve

1-12" Gate Valve
2-12" Butterfly Valves
1-20"x12" Reducer
1-20" Tee

Section Line

Watermain Crossing

20' 90° Bend

Slough

Insulation

15" Sewermain

1st Street S.E.

Curb and Gutter

Gas Main

Property Line

Lot 1

Aerial Cable

Crossing Existing 8" W.M.

8" Watermain

Property Line

20" Watermain

See Detail Sheet No. 6

See Sheet No. 8.

20"x20"x8"x8" Cross
2-20"-45° Bends
Connected Existing 8" W.M. to cross

Approximate Ground Elevation
12' North of Existing North Curb

8' Min. Cover

Existing 15" Sewermain

20' 90° Bend

Scale:
Horz. 1" = 30'
Vert. 1" = 5'

PLAN
SURVEYED
PLOTTED
NOTE BOOK
ALIGNMENT CHECKED
No.
BY
DATE

PROFILE
SURVEYED
PLOTTED
NOTE BOOK
GRADES CHECKED
No.
BY
DATE
ELEVATIONS CHECKED

K&E PLATE 2, FLAT PLAN PROFILE
KEUFFEL & ESSER CO.
48 7032 MADE IN U.S.A.

WATER IMP. DIST. NO. 3
E.D.A. PROJECT NO. 05-51-20808
MANDAN N.D.

Sheet No. 7 of 13 Sheets