**Legend**

- 400-Foot Radius From Well # 5
- 400-Foot Radius From Well # 7
- 50-Foot Radius From Well # 5
- 50-Foot Radius From Well # 7
- Alternative 4
- Proposed Storm Sewer
- Proposed Structure
- Existing Storm Manhole
- Existing Storm Sewer
- Water Manhole
- Water Main
- Sanitary Manhole
- Sanitary Sewer

**Contours**

- Index
- Intermediate
- UW-Whitewater Boundary
- City of Whitewater Boundary
- Wetlands
- Jefferson Wetlands

N W E S

0 25 50 100 Feet

EXISTING RAW WATERMAIN RUNS ALONG EASTERN PARCEL LINE TO WELL #5

**PROPOSED UNDERGROUND WET DETENTION POND**
**NWSEL: 797.25**
**0.57 AC WATER SURFACE**
**4.59 AC-FT STORAGE**

BOTTOM OF POOL: 794.25

GROUND ELEVATION: 809
TOP OF POND: 802.58
COVER: 6.42
BOTTOM OF POND: 794.25

12" Watermain and
18" Sanitary Sewer
To Be Abandoned As Part
of Freemont Street
Reconstruction in 2024

GROUND ELEVATION: 813
TOP OF POND: 802.58
COVER: 10.42
BOTTOM OF POND: 794.25

GROUND ELEVATION: 807.5
TOP OF POND: 802.58
COVER: 4.92
BOTTOM OF POND: 794.25

OUTLET CONTROL STRUCTURE
3" ORIFICE INVERT: 797.25
6" ORIFICE INVERT: 797.75
78" SHARP-CRESTED WEIR INVERT: 799.25

142 LF OF 34"x53" RCP @ 0.14%

64 LF OF 34"x53" RCP @ 0.14%

10-FT DIA MH
RIM: 806.41
INVERT: 797.05
DEPTH: 9.36

8-FT DIA MH
RIM: 807.63
INVERT: 797.33
DEPTH: 10.30

82 LF OF 34"x53" RCP @ 0.14%

182 LF OF 34"x53" RCP @ 0.14%

10-FT DIA MH
RIM: 807.07
INVERT: 796.94
DEPTH: 10.13

95 LF OF 34"x53" RCP @ 0.14%

47 LF OF 34"x53" RCP @ 0.14%

8-FT DIA MH
RIM: 811.97
INVERT: 797.59
DEPTH: 14.38

ABANDON 12" RCP
REPLACE 2 2'X3' INLETS
INSTALL 23 LF OF 12" RCP

WELL # 5

10-FT DIA MH
RIM: 807.18
INVERT: 796.73
DEPTH: 10.45

151 LF OF 34"x53" RCP @ 0.14%

ABANDON 12" RCP

8-FT DIA MH
RIM: 807.18
INVERT: 796.80
DEPTH: 10.38

81 LF OF 34"x53" RCP @ 0.14%

2'X3' INLET AND 22 LF OF 12" RCP

CONNECT TO 9-FT LENGTH
SIDE OF EXISTING JC J-2

66" RCP

66" RCP

MH SS-14

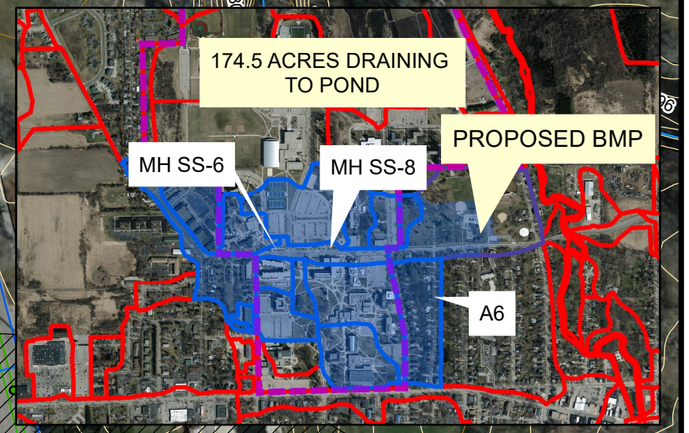
MH SS-15A
DIVERSION STRUCTURE
RIM: 809.76
N 34"x53" RCP INVERT: 797.8
W 66" RCP INVERT: 800.8
E 66" RCP INVERT: 800.8
DEPTH: 8.96

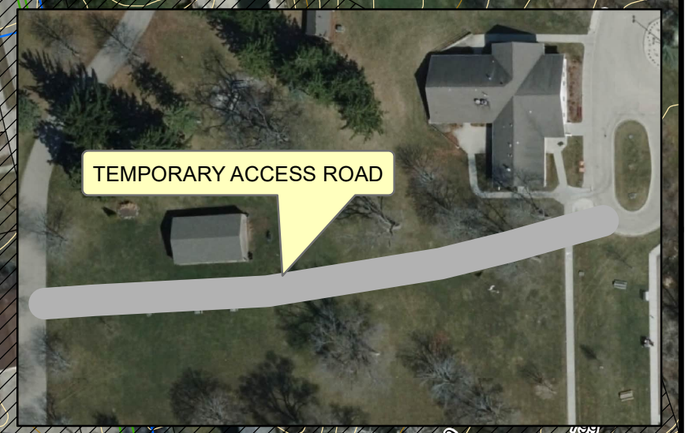
MH SS-15

58x91" RCP

Connect to Existing Storm Sewer
With Base T Manhole

JC J-2
RIM: 805.00
N 34"x53" RCP INVERT: 796.64
S 58"x91" RCP INVERT: 796.64
W 58"x91" RCP INVERT: 796.64
DEPTH: 8.36




N FRANKLIN ST
N PARK ST
N FREMONT ST
W STARIN RD

**STARIN ROAD UNDERGROUND WET DETENTION POND ALTERNATIVE 4 - MODIFIED (WC-5.1 CITY)**
**TMDL STORMWATER PLAN**
**CITY OF WHITEWATER**
**WALWORTH AND JEFFERSON COUNTIES, WISCONSIN**

STRAND ASSOCIATES®

**FIGURE 1**
**1407.088**

Path: S:\MAD\1400--1499\1407\088\Data\GIS\Report Figures\BMP Figures\Starin Road\Figure M-6 Starin Road Underground-Alternative 4-Modified.mxd User: DanielJ Date: 10/19/2023 Time: 9:01:10 AM