

Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

PUBLIC IMPROVEMENT PROJECT APPROVED

August 7, 2018

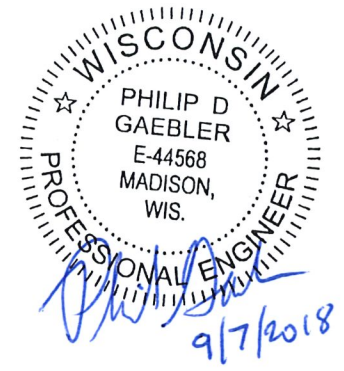
BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN
APPROVED BY:

City Engineer

Date

DIVERSION CHAMBER & STORM SEWER
DESIGNED BY:



INDEX OF SHEETS

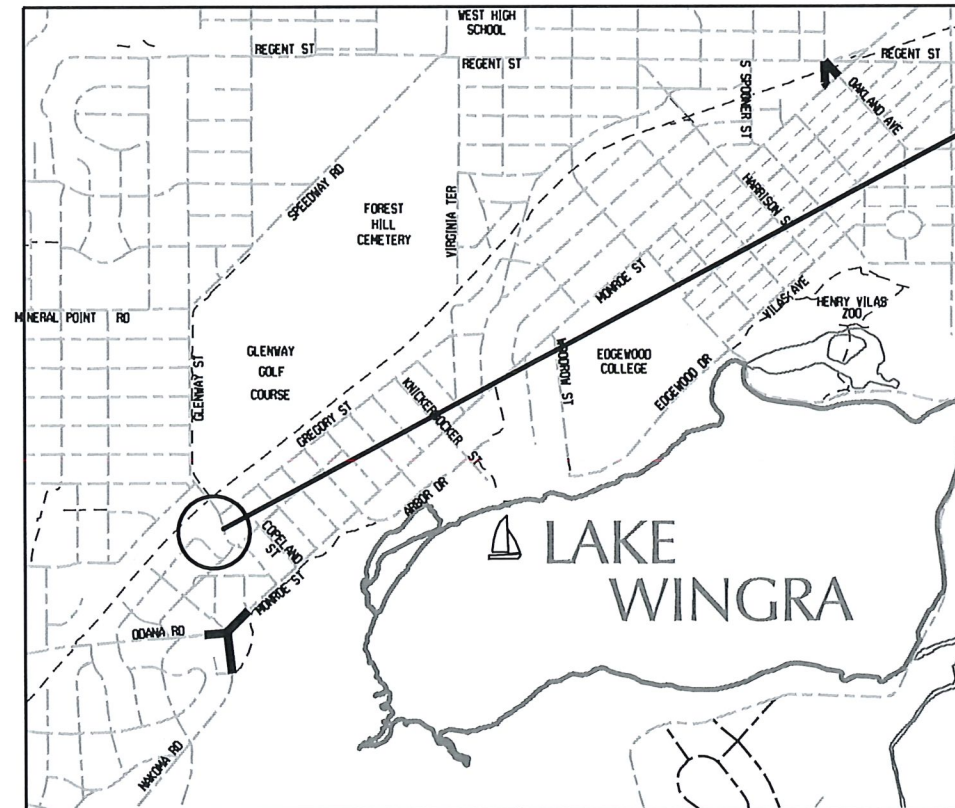
SHEET NO.	TITLE
1	
PI-P3	STORM PLAN & PROFILES
EC1	EROSION CONTROL PLANS
DI-D2	DETAILS

GLENWOOD CHILDREN'S PARK STORMWATER IMPROVEMENTS

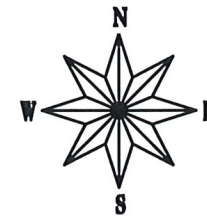
CITY PROJECT NO. 11774

MUNIS NO. 11774

CONTRACT NO. 8258



PROJECT
LOCATION



CONVENTIONAL SIGNS

FIELD VERIFY ALL UTILITY LOCATIONS

GAS	— G —
STORM SEWER	— ST —
SANITARY SEWER	— SAN —
WATER	— W —
OVERHEAD ELECTRIC	— OH —
POWER POLE	□

PLOT SCALE:

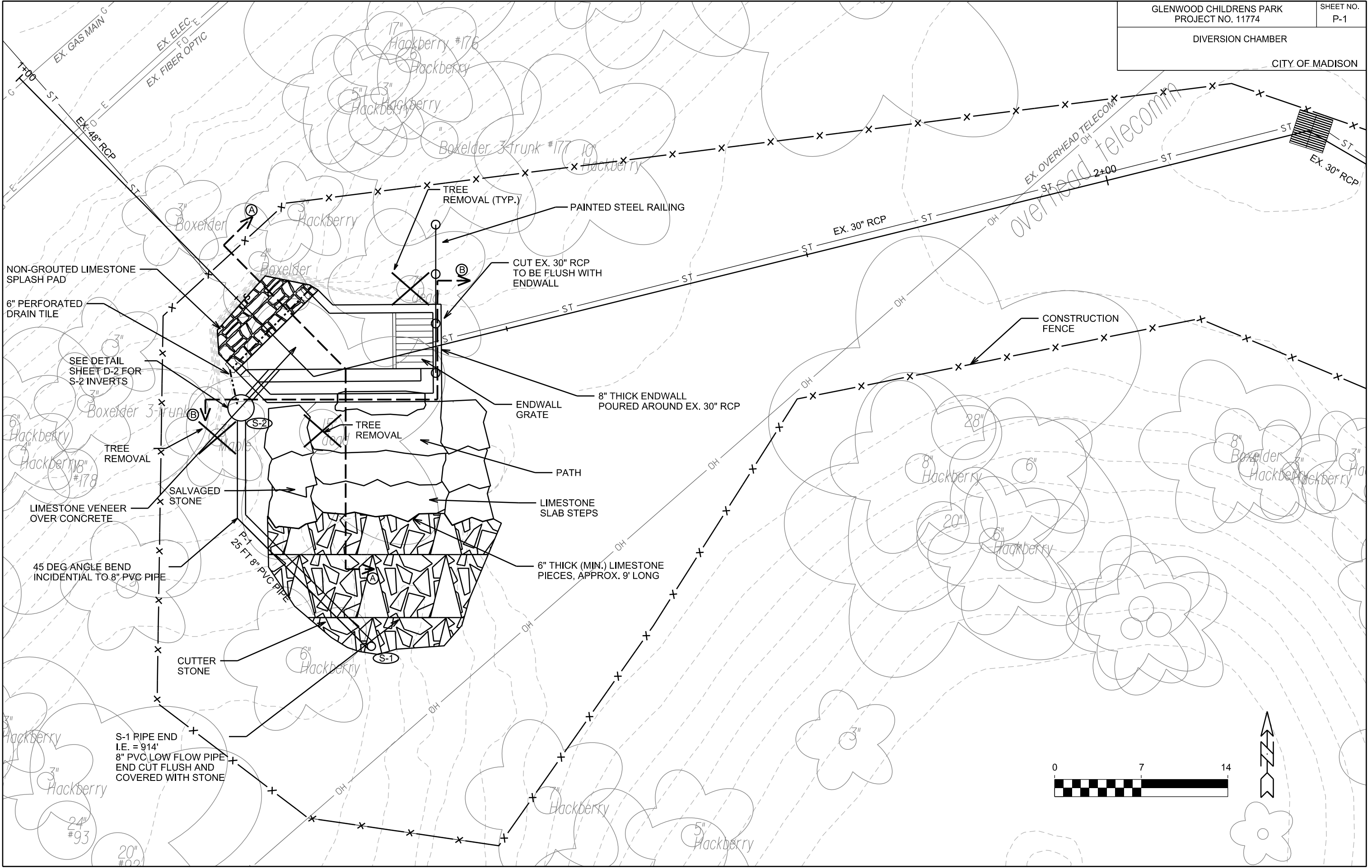
PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STORM DIVISION

DIVERSION CHAMBER

CITY OF MADISON



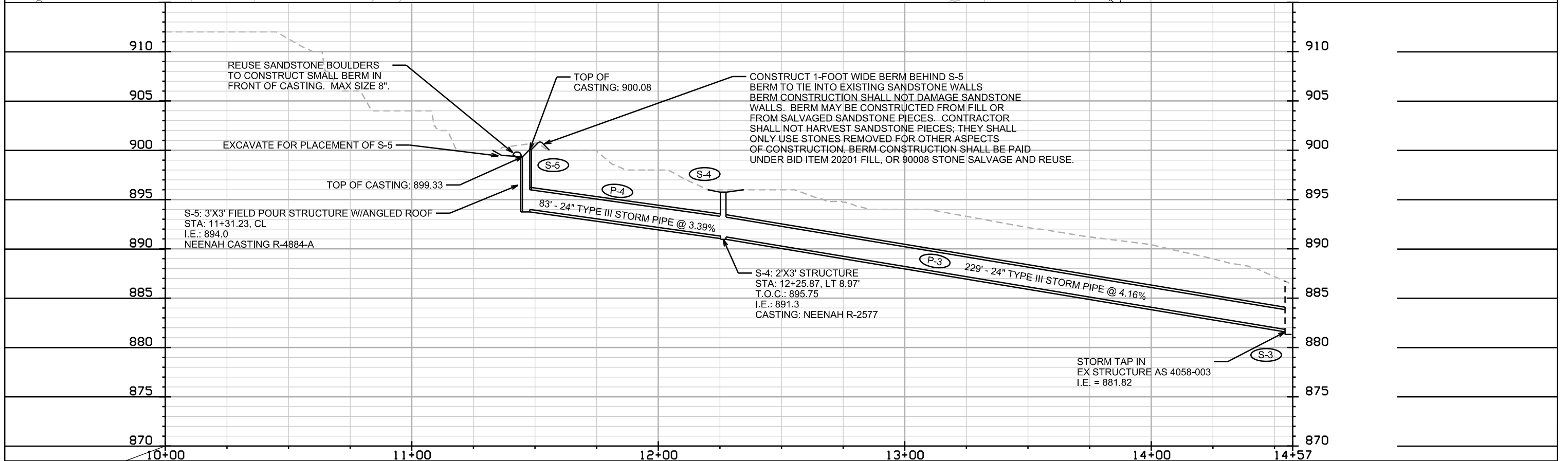
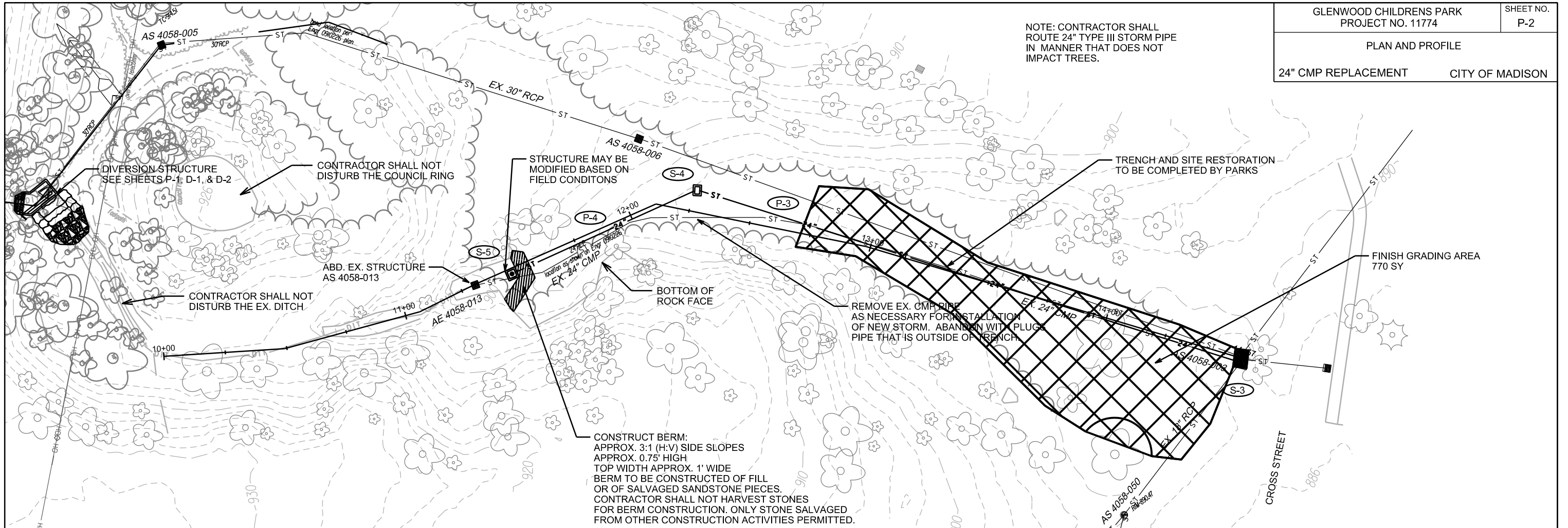
PLOT SCALE: 10

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON

NOTE: CONTRACTOR SHALL ROUTE 24" TYPE III STORM PIPE IN MANNER THAT DOES NOT IMPACT TREES.

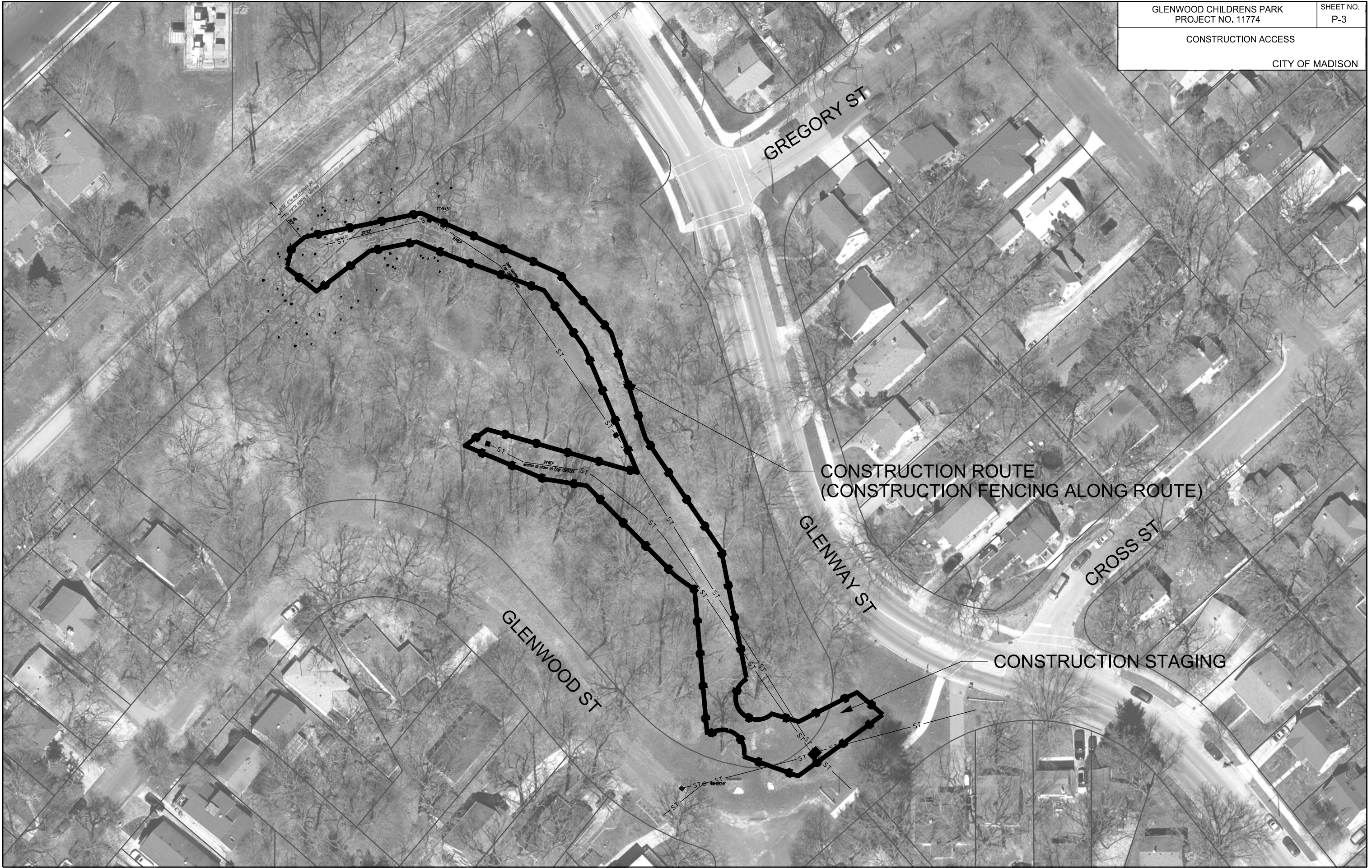


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PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



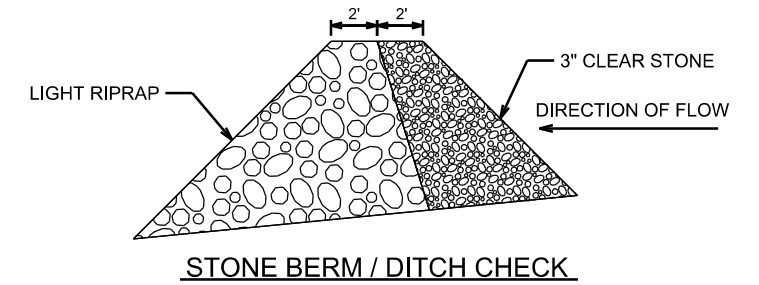
PLOT SCALE: 10

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON

CONSTRUCTION FENCING
DIVERSION STRUCTURE
SEE SHEETS P-1, D-1, & D-2



STONE BERM/DITCH CHECK
TO BE INSTALLED DOWN STREAM OF
EACH STRUCTURE CONSTRUCTION.
DITCH CHECK MAY BE REMOVED
FOLLOWING STRUCTURE COMPLETION.

24" CMP REPLACEMENT
SEE SHEET P-2

NOTES:

- 1) CONTRACTOR SHALL PROVIDE STREET SWEEPING ON A DAILY BASIS, OR AS NECESSARY TO CLEAN SEDIMENT FROM HAUL ROUTES.
- 2) SITE RESTORATION TO BE COMPLETED BY PARKS

SILT FENCE SHALL BE PLACED
IN A MANNER THAT ACCOMODATES
EQUIPMENT TRAFFIC, OR IT SHALL BE
MOVED AND REPLACED DAILY.

SILT SOCK

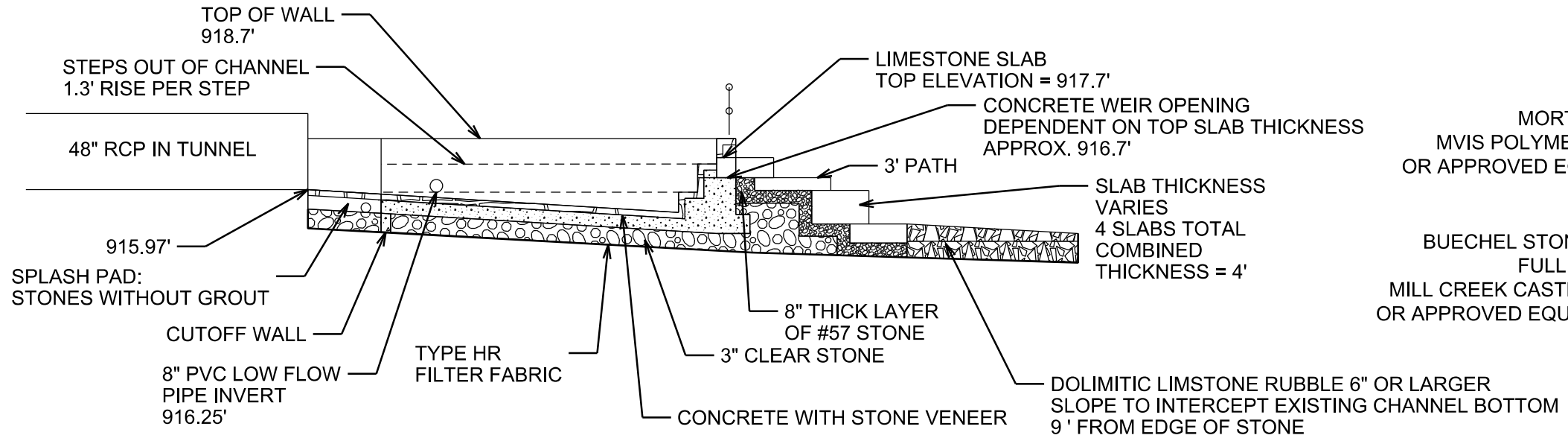
SILT FENCE

PLOT SCALE:

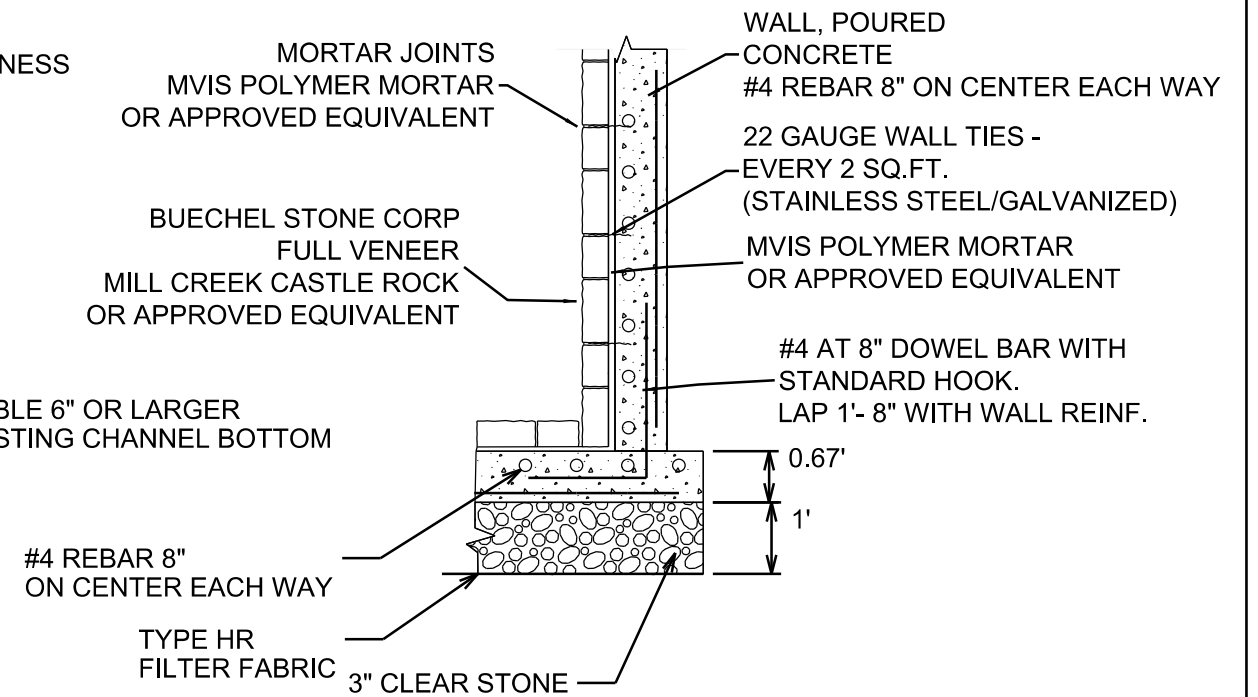
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REV. DATE:

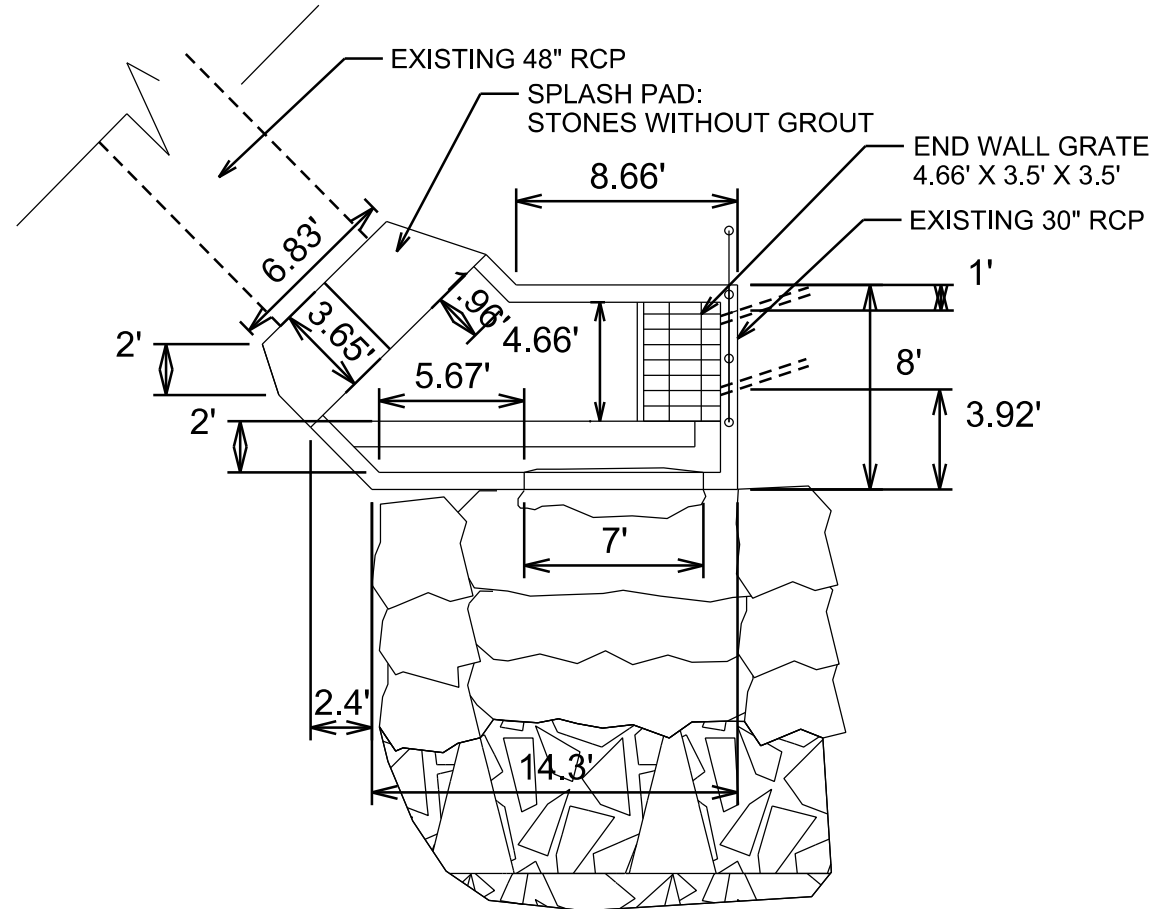
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTION A-A

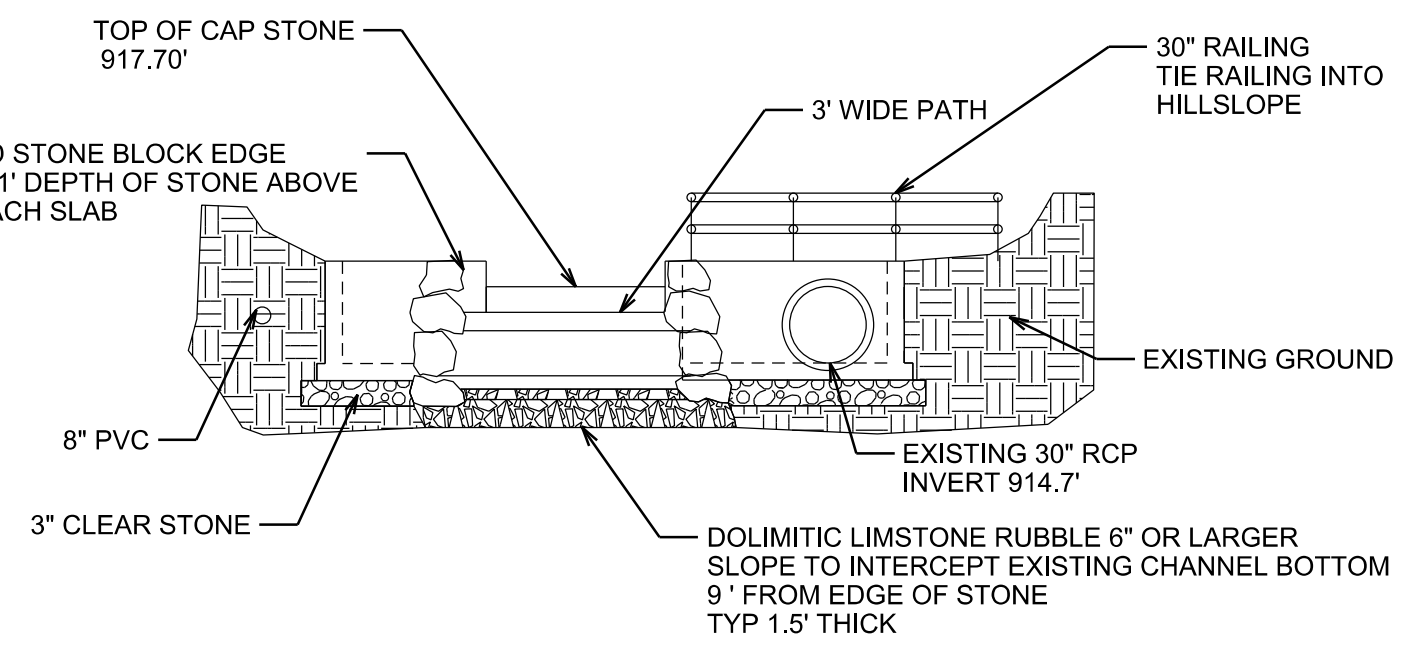


TYPICAL WALL SECTION WITH POURED CONCRETE WALL



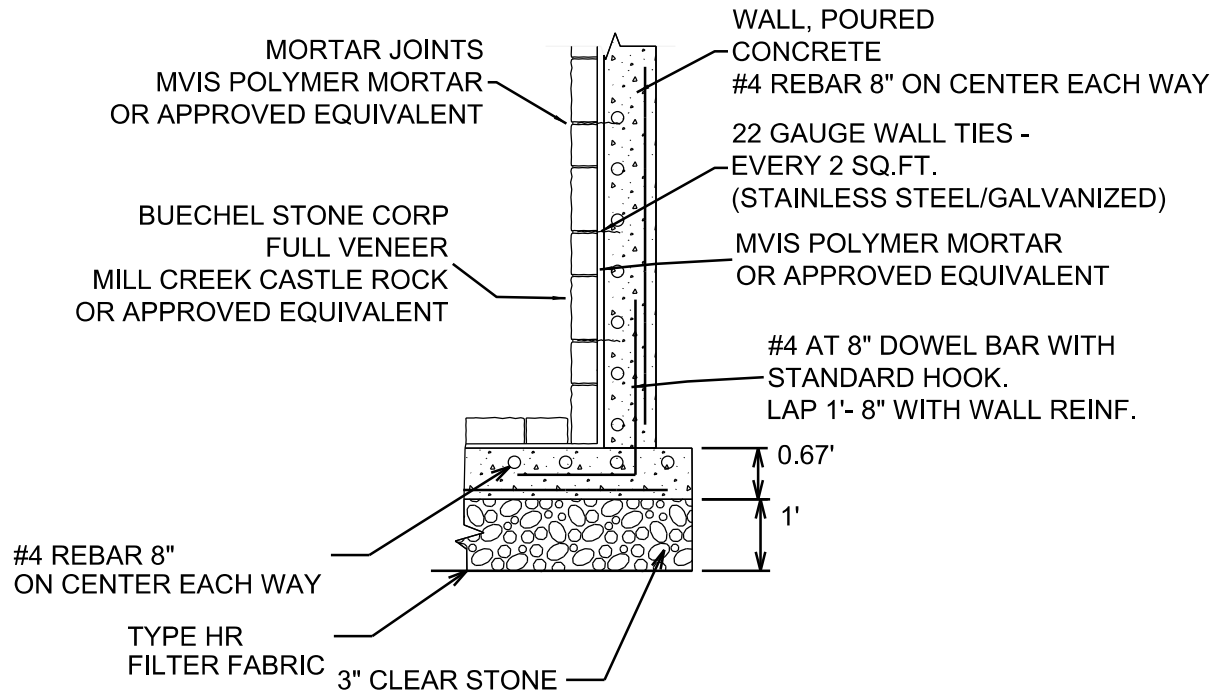
TOP VIEW

NOTES:
ADJUST WEIR OPENING HEIGHT TO ACCOUNT FOR CAP STONE THICKNESS



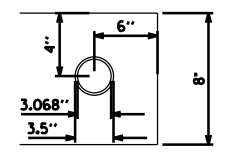
CROSS SECTION B-B

PLOT SCALE: _____
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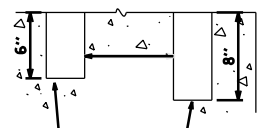


**TYPICAL WALL SECTION
WITH Poured CONCRETE WALL**

GUARD RAIL DETAILS



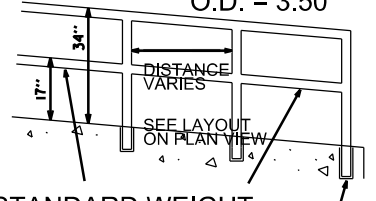
**STRUCTURAL STEEL SLEEVE
TOP VIEW**



DISTANCE
VARIES
SEE LAYOUT
ON PLAN VIEW

**STRUCTURAL STEEL SLEEVE
SIDE VIEW**

3" NOMINAL I.D. STANDARD WEIGHT STRUCTURAL
STEEL TUBING, EMBEDDED 8" INTO CONCRETE
AT ENDS AND 6" FOR LINE POSTS.
EXACT DIMENSIONS: I.D. = 3.068"
O.D. = 3.50"



2½" NOMINAL I.D. STANDARD WEIGHT
STRUCTURAL STEEL TUBING
EXACT DIMENSIONS:
I.D. = 2.469" / O.D. = 2.875"

STEEL
SLEEVE

**STRUCTURAL STEEL TUBING
SIDE VIEW**

NOTE:
ON SLOPED WINGWALLS THE POSTS SHOULD
REMAIN VERTICAL AND THE RAILS SLOPED
WITH THE WINGWALL

GENERAL RAILING NOTES:

GUARD RAIL SHALL BE PAINTED BROWN IN
ACCORDANCE WITH RAL 8011.

ALL PIPES SHALL BE CUT TO FIT AND JOINTS
SHALL BE WELDED CONTINUOUSLY AROUND
THE PERIMETER TO ASSURE A BURR FREE
AND STRUCTURALLY SOUND CONNECTION.

THE GUARD RAIL SHALL NOT BE FABRICATED
UNTIL THE STEEL SLEEVES ARE IN PLACE.
THE ACTUAL DIMENSION, AS MEASURED IN
THE FIELD, SHALL BE UTILIZED TO CONSTRUCT
THE GUARD RAILS.

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