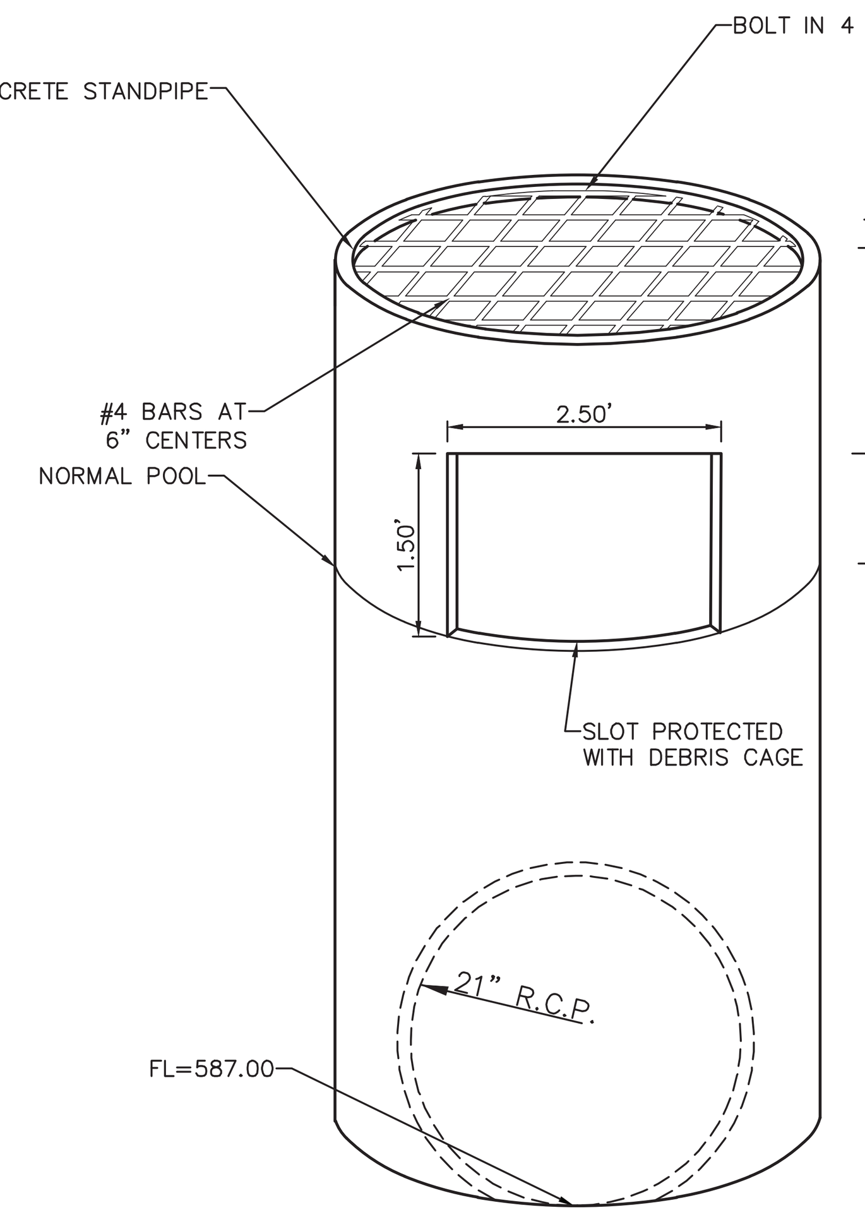
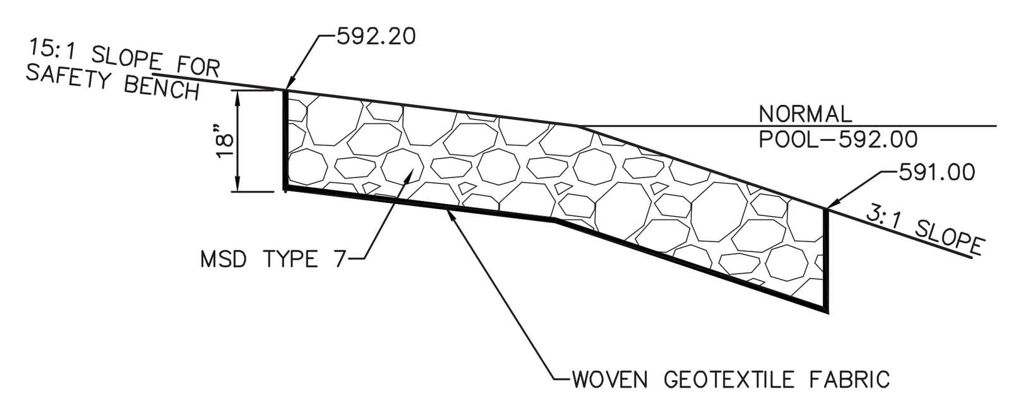


2 YR 20 MIN HW = 592.81
15 YR 20 MIN HW = 593.09
25 YR 20 MIN HW = 593.22
100 YR 20 MIN HW = 593.36
100 YR 20 MIN, LFB HW = 594.71

OVERFLOW STRUCTURE WET POND A OS 4

N.T.S.

The Overflow Structure is to be a Standard 48" Concrete Standpipe. The bottom must be constructed to the correct height so that no brick will be used. The Normal Pool of Wet Pond A is 592.00. The Low Flow rectangular orifice of 2.50' W x 1.50' H will have a flowline of 592.00 to regulate the outflow. The top of the structure will have an elevation of 594.00. (See Detention Calculations)

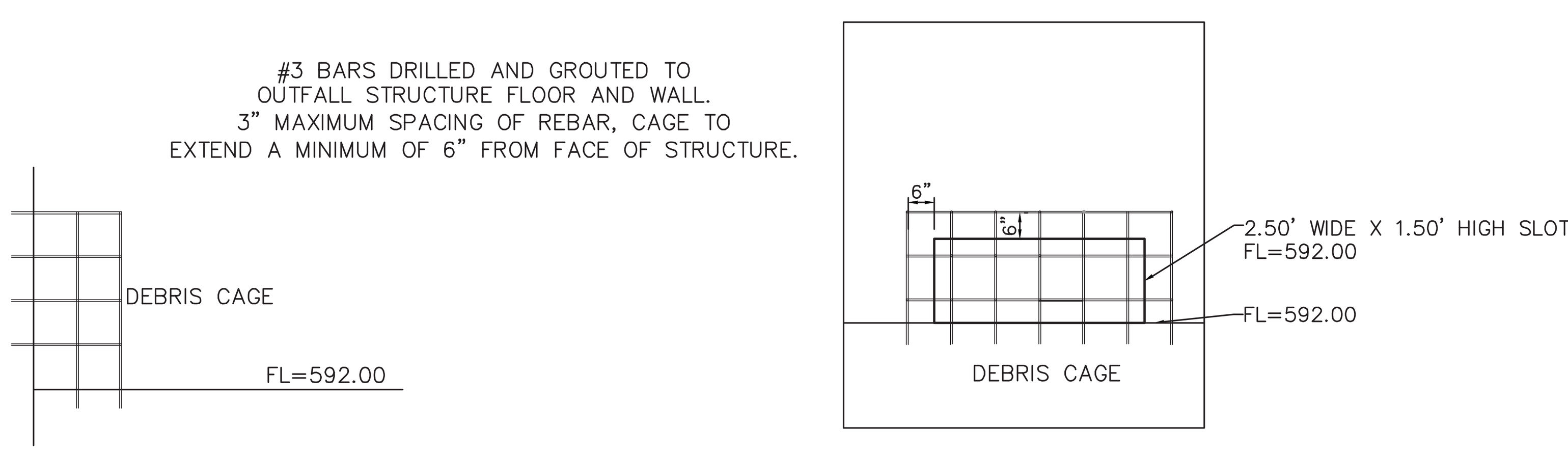


WET POND A PERIMETER RIPRAP

NOT TO SCALE

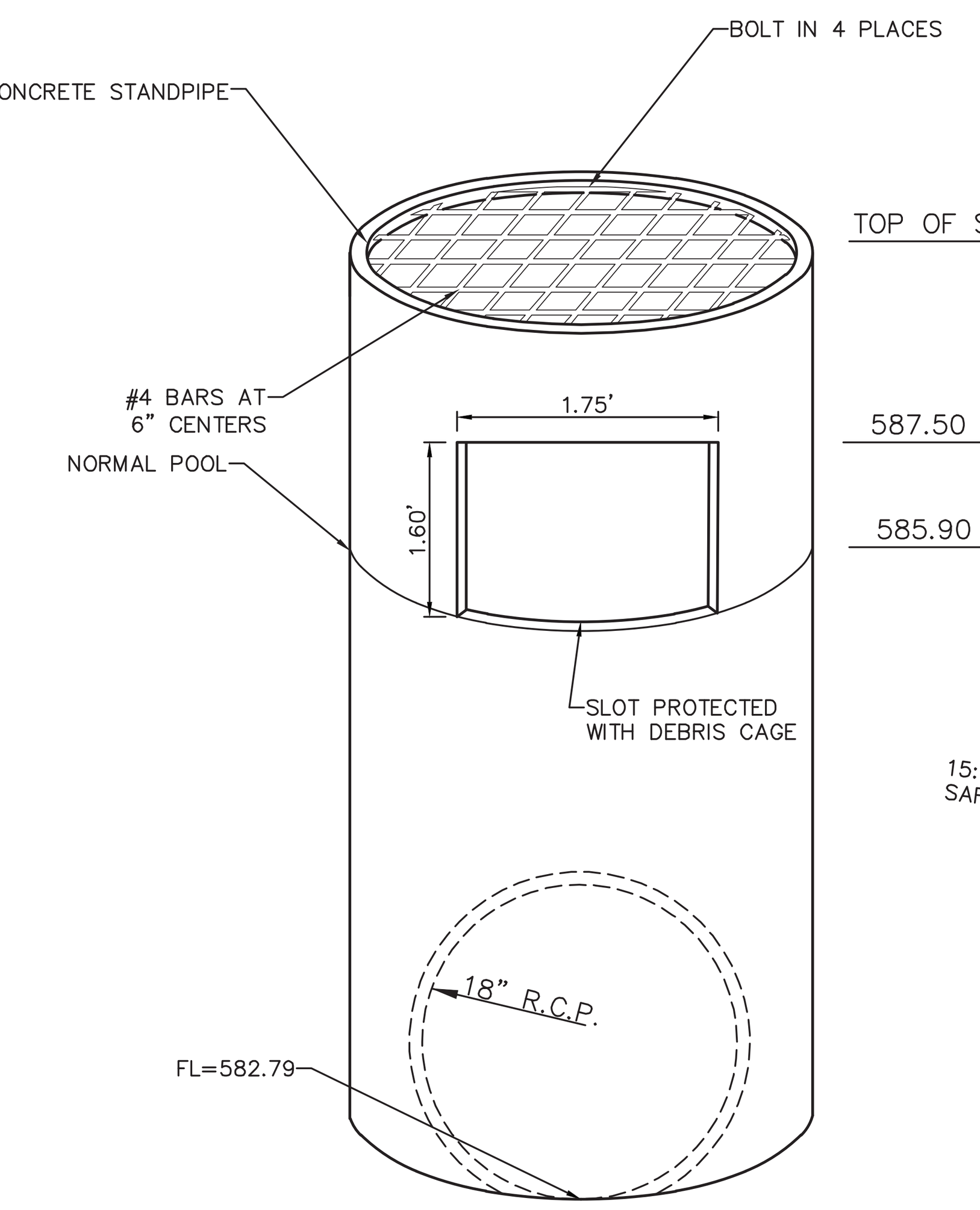
PERIMETER RIPRAP TO EXTEND 3 FEET HORIZONTALLY ON BOTH SIDES OF NORMAL POOL

#3 BARS DRILLED AND GROUTED TO OUTFALL STRUCTURE FLOOR AND WALL. 3" MAXIMUM SPACING OF REBAR, CAGE TO EXTEND A MINIMUM OF 6" FROM FACE OF STRUCTURE.



DEBRIS CAGE OS 4

NOT TO SCALE



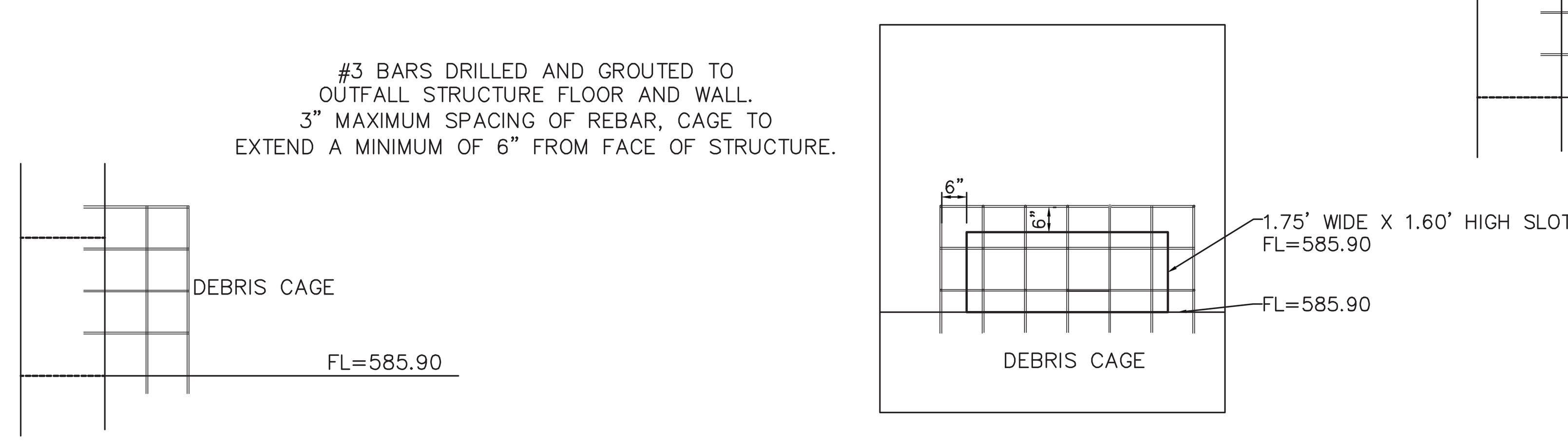
2 YR 20 MIN HW = 586.91
15 YR 20 MIN HW = 587.26
25 YR 20 MIN HW = 587.44
100 YR 20 MIN HW = 587.59
100 YR 20 MIN, LFB HW = 588.73

OVERFLOW STRUCTURE WET POND B OS 24

N.T.S.

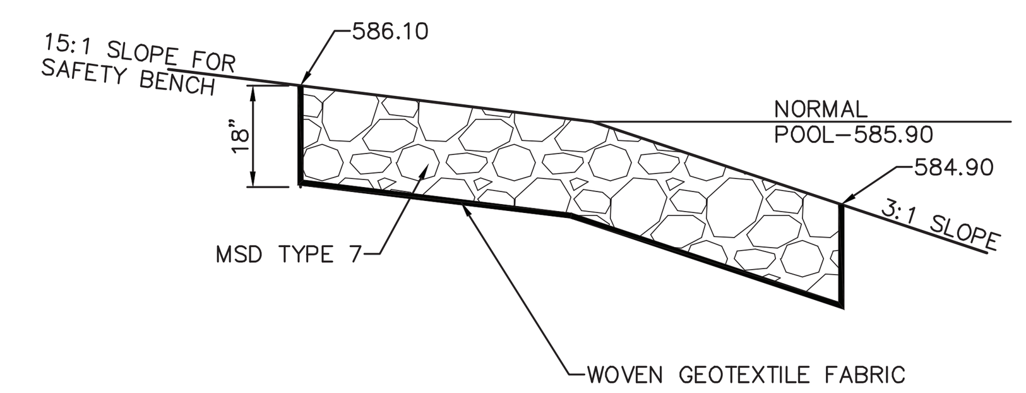
The Overflow Structure is to be a Standard 48" Concrete Standpipe. The bottom must be constructed to the correct height so that no brick will be used. The Normal Pool of Wet Pond B is 585.90. The Low Flow rectangular orifice of 1.75' W x 1.60' H will have a flowline of 585.90 to regulate the outflow. The top of the structure will have an elevation of 588.00. (See Detention Calculations)

#3 BARS DRILLED AND GROUTED TO OUTFALL STRUCTURE FLOOR AND WALL. 3" MAXIMUM SPACING OF REBAR, CAGE TO EXTEND A MINIMUM OF 6" FROM FACE OF STRUCTURE.



DEBRIS CAGE OS 24

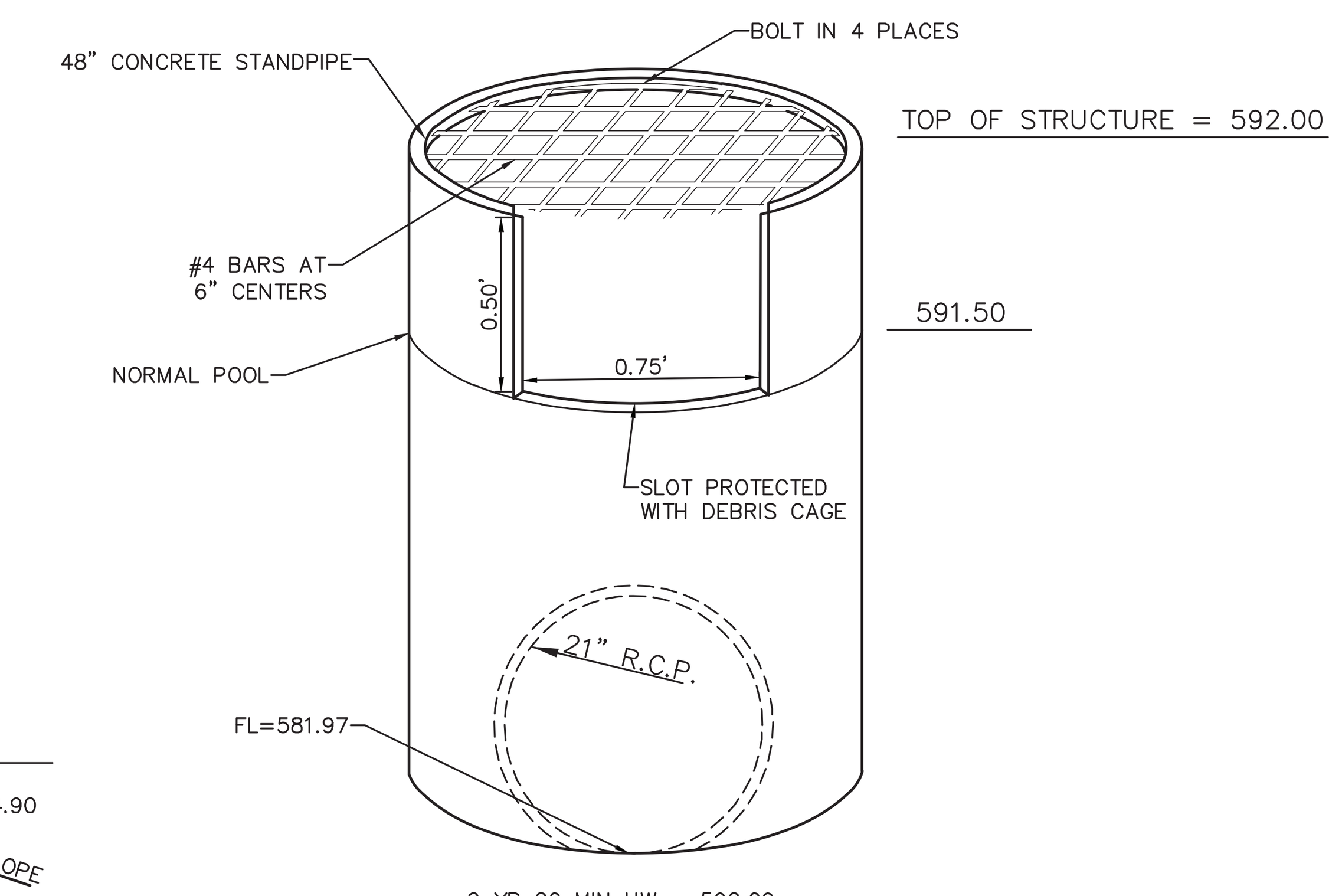
NOT TO SCALE



WET POND B PERIMETER RIPRAP

NOT TO SCALE

PERIMETER RIPRAP TO EXTEND 3 FEET HORIZONTALLY ON BOTH SIDES OF NORMAL POOL



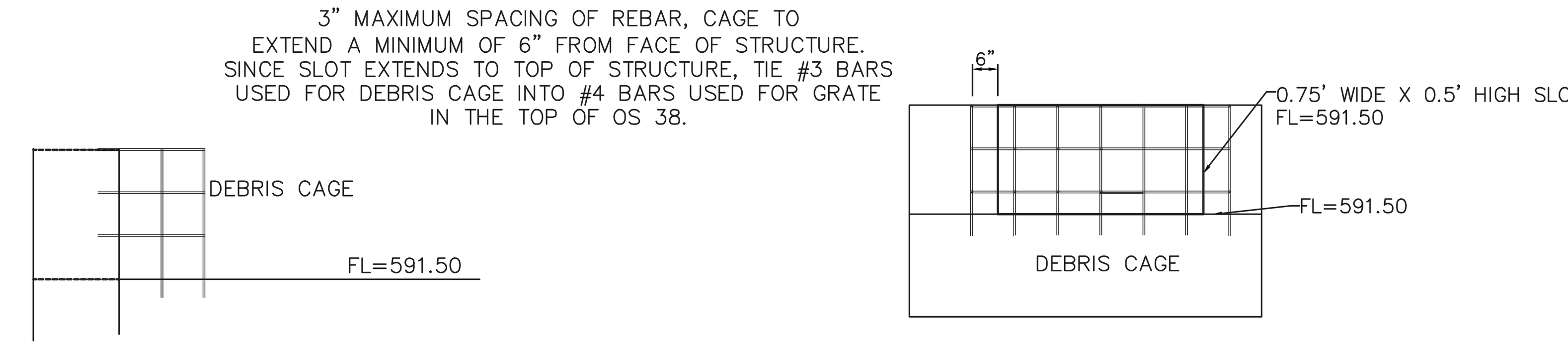
2 YR 20 MIN HW = 592.09
15 YR 20 MIN HW = 592.24
25 YR 20 MIN HW = 592.30
100 YR 20 MIN HW = 592.35
100 YR 20 MIN, LFB HW = 592.44

OVERFLOW STRUCTURE WET POND C OS 38

N.T.S.

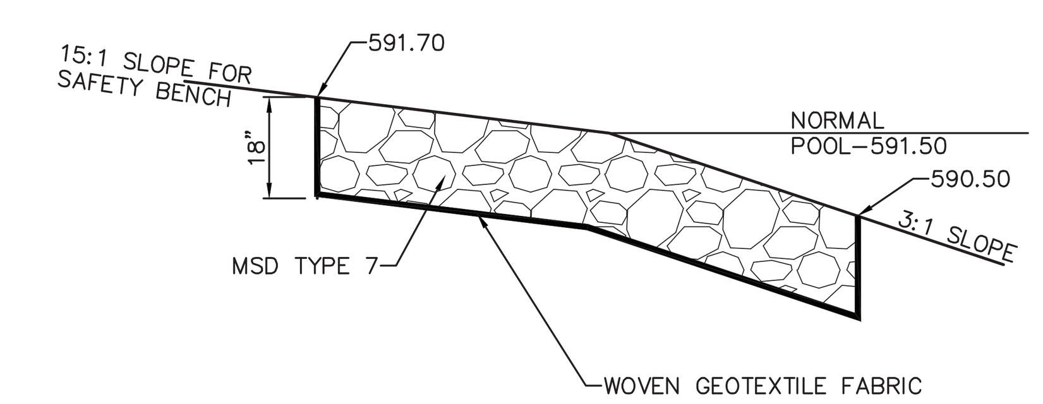
The Overflow Structure is to be a Standard 48" Concrete Standpipe. The bottom must be constructed to the correct height so that no brick will be used. The Normal Pool of Wet Pond C is 591.50. The Low Flow rectangular orifice of 0.75' W x 0.5' H will have a flowline of 591.50 to regulate the outflow. The top of the structure will have an elevation of 592.00. (See Detention Calculations)

#3 BARS DRILLED AND GROUTED TO OUTFALL STRUCTURE FLOOR AND WALL. 3" MAXIMUM SPACING OF REBAR, CAGE TO EXTEND A MINIMUM OF 6" FROM FACE OF STRUCTURE. SINCE SLOT EXTENDS TO TOP OF STRUCTURE, TIE #3 BARS USED FOR DEBRIS CAGE INTO #4 BARS USED FOR GRATE IN THE TOP OF OS 38.



DEBRIS CAGE OS 38

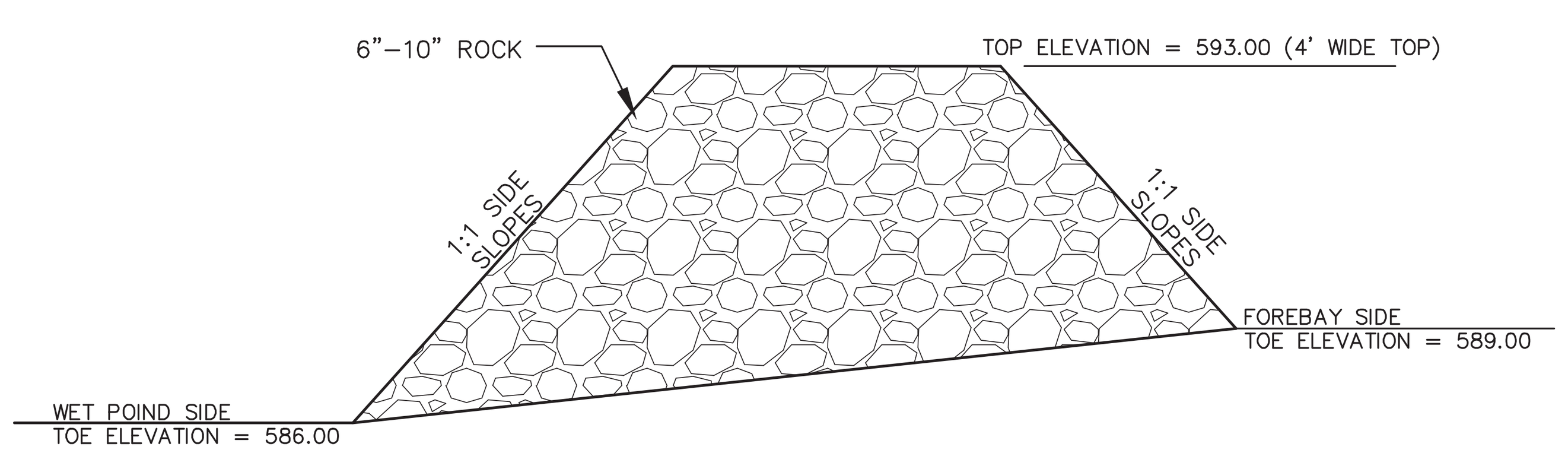
NOT TO SCALE



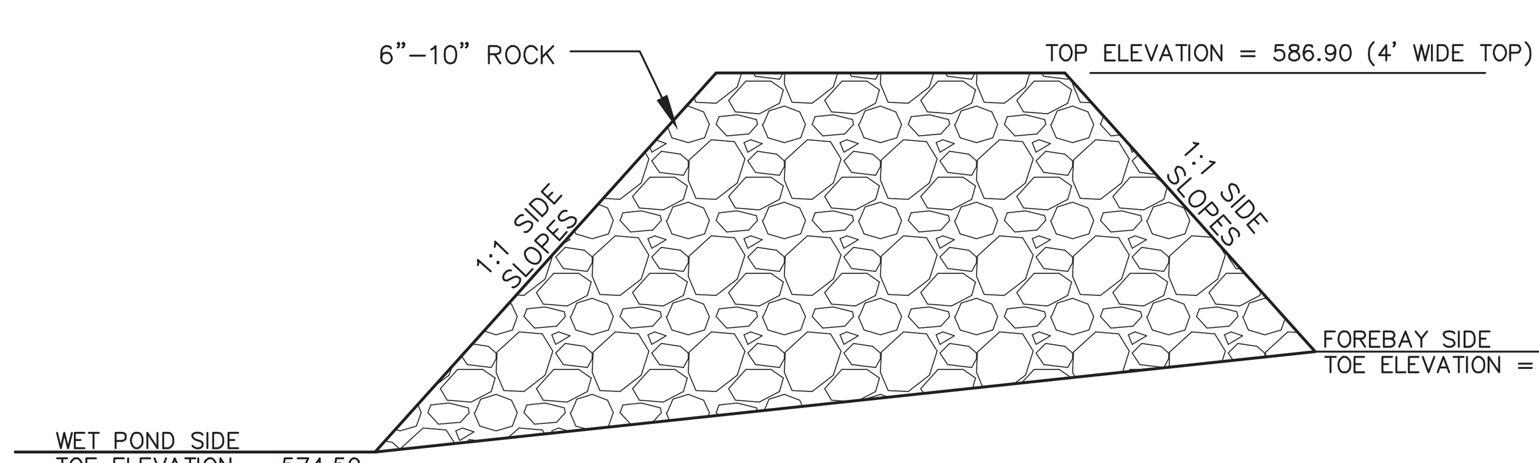
WET POND C PERIMETER RIPRAP

NOT TO SCALE

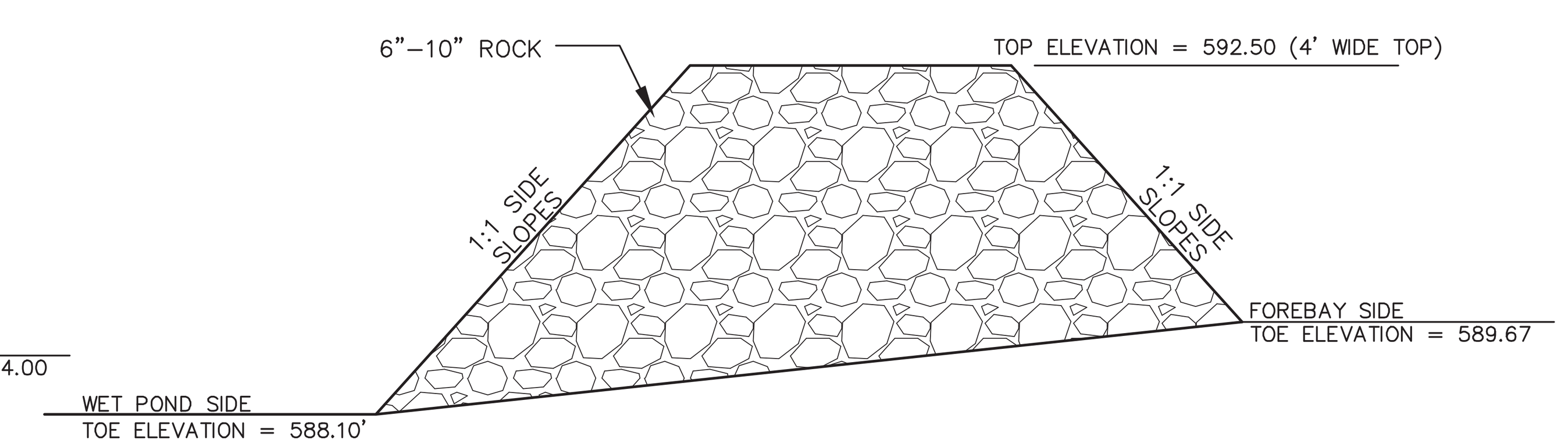
PERIMETER RIPRAP TO EXTEND 3 FEET HORIZONTALLY ON BOTH SIDES OF NORMAL POOL



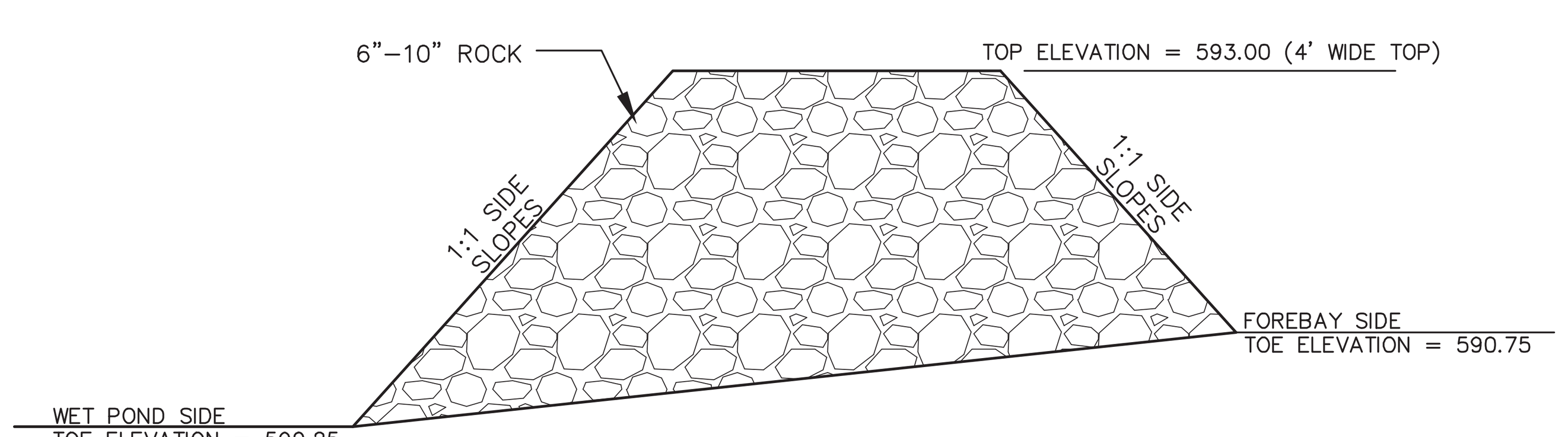
WET POND A FE 20 ROCK FILTRATION BERM DETAIL



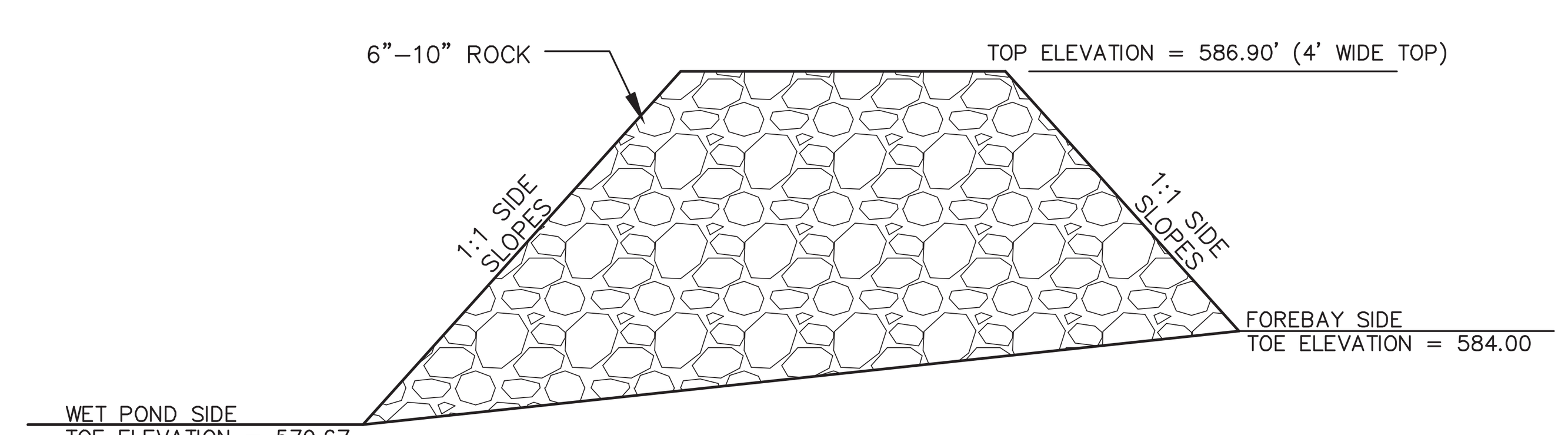
WET POND B FE 25 ROCK FILTRATION BERM DETAIL



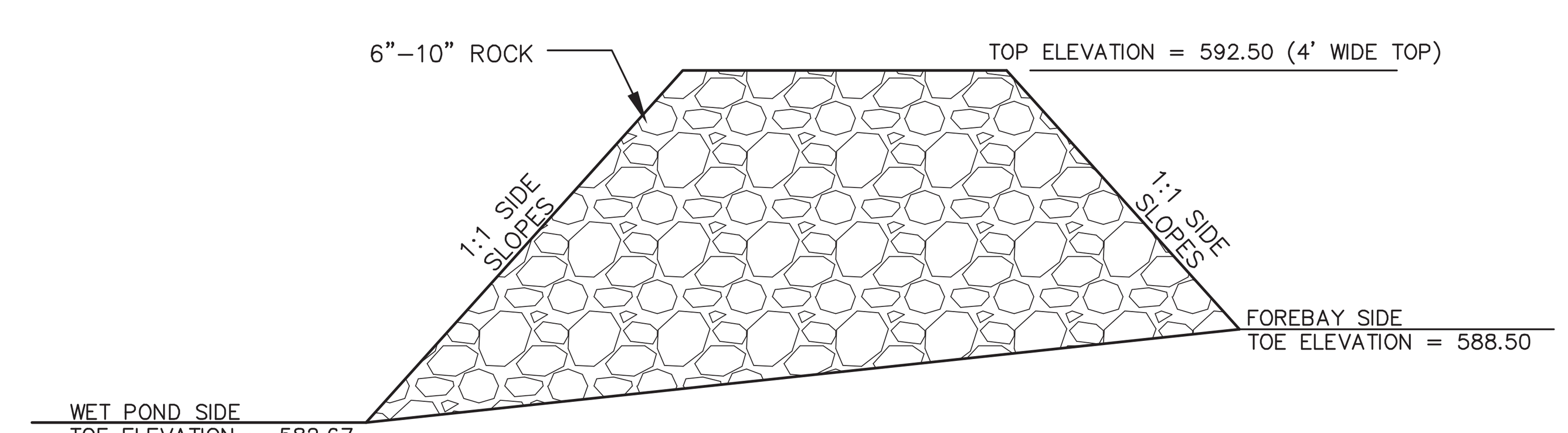
WET POND C FE 42 ROCK FILTRATION BERM DETAIL



WET POND A FE 5 ROCK FILTRATION BERM DETAIL



WET POND B FE 32 ROCK FILTRATION BERM DETAIL



WET POND C FE 39 ROCK FILTRATION BERM DETAIL

PROJECT TITLE: COLUMBIA MEADOWS

Bax Project # 18-17484 | Issue Date: 08/12/2020

ENGINEERING
PLANNING
SURVEYING
221 Point West Blvd.
St. Charles, MO 63301
636-928-5552
FAX 928-1718

STATE OF MISSOURI
JEFFREY B SIMMONS
NUMBER PE-2007030831
PROFESSIONAL ENGINEER
2/23/21

JEFFREY B. SIMMONS
CIVIL ENGINEER
2007030831

REVISIONS

10/13/20	CITY COMMENTS
01/08/21	CITY COMMENTS
02/10/21	CITY COMMENTS
02/23/21	CITY COMMENTS

Developer / Owner:
Alpha Land Development Two, L.L.C.
612 Trade Center Boulevard
Chesterfield, MO 63005
314-721-7779

CONSTRUCTION DETAILS

P+Z No. #19-004868
Approval Date: 07/23/2020
City No. #?