

ISSUE	REMARKS/DATE
1	10-16-2012, INITIAL SUBMITTAL
2	11-29-2012, CITY COMMENTS
3	1-14-2013, CITY & DCSD COMMENTS
4	2-20-2013, CITY COMMENTS

**SEEDING REQUIREMENTS**

Permanent Seeding	Dates for Seeding											
	Jan	Feb	March	April	May	June	July	Aug	Sep	Oct	Nov	Dec
Tall Fescue			O	O	O				O	O		
Smooth Brome			O	O	O				O	O		
Fescue & Brome			O	O	O	O			O	O		
Fescue, Rye & Bluegrass	A	A	O	O	O	P	P	O	O	P	P	A

Temporary Seeding	Dates for Seeding											
	Jan	Feb	March	April	May	June	July	Aug	Sep	Oct	Nov	Dec
Rye or Sudan	A	A	O	O	O	O	O	O	O	O	A	A
Oats	A	A	OOO			OOO			O			

O = Optimum seeding dates  
A = Acceptable seeding dates  
P = Permitted seeding dates with reseeding 2 months later. Initially use 50% of seed and 75% of fertilizer. Reseed with additional 75% seed and remaining fertilizer.

Minimum Fertilizer and Seeding Rates		
Permanent Seeding*	Pounds per acre	Pounds Per 1000 sq ft.
Tall Fescue	300	7.5
Smooth Brome	200	4.8
Mixture # 1	250	5.7
Mixture # 2	210	4.8

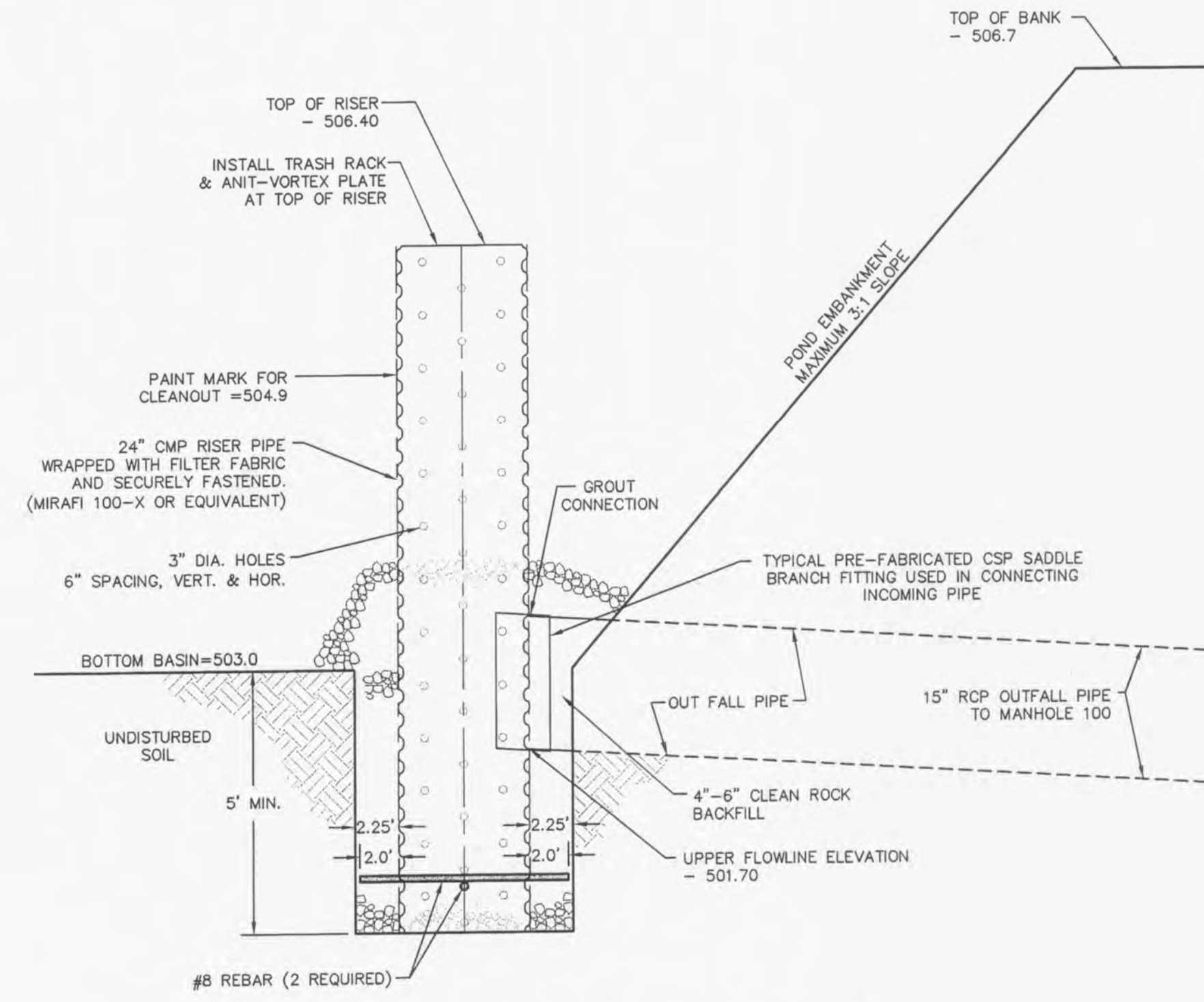
Mixture # 1 = Tall Fescue @150 pounds per acre and Brome @100 pounds per acre.  
Mixture # 2 = Tall Fescue @100 pounds per acre, Perennial Rye grass @100 pounds per acre and Kentucky Blue grass @10 pounds per acre.  
\* = Seeding rate for slopes in excess of 20% (G1), shall be 10 pounds per 1000 sq ft.

Temporary Seeding	Pounds per acre	Pounds Per 1000 sq ft.
Rye or Sudan	150	3.5
Oats	200	2.5

Fertilizer	Permanent Seeding (pounds per acre)	Temporary Seeding (pounds per acre)
Nitrogen	45	30
Phosphate	65	30
Potassium	65	30
Lime - ENM	600	600

ENM = Effective neutralizing material per State evaluation of quarried rock.



**TEMPORARY RISER PIPE OUTFALL DETAIL**  
NOT TO SCALE

PROJECT TITLE

**BOARDWALK GARDENS**  
OTFALLON, MISSOURI

**THE STERLING CO.**  
ENGINEERS & SURVEYORS  
5055 New Baumgartner Road  
St. Louis, Missouri 63129  
Ph: 314-487-0440 Fax: 314-487-8944  
www.sterling-eng-survey.com  
Corporate Certificate of Authority #001348

The Professional Engineer's seal and signature are required on this sheet. All drawings, instruments or other documents not exhibiting this seal and signature shall not be considered prepared by this engineer, and the engineer expressly disclaims any and all responsibility for the same. The documents not exhibiting this seal and signature.

*[Signature]*  
Date: 10/16/2012  
MICHAEL G. BOERDING  
License No. E-28643  
Civil Engineer

**MCBRIDE RED HAWK, LLC**  
16091 SWINGLEY RIDGE ROAD, SUITE 300  
CHESTERFIELD, MISSOURI 63017  
PH: 636-537-2000  
Contact: Jeff Boland

EROSION CONTROL DETAILS

P+Z No. 9831.34.09.01  
City No.  
Date: OCT.16, 2012  
Job No. 12-05-128

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