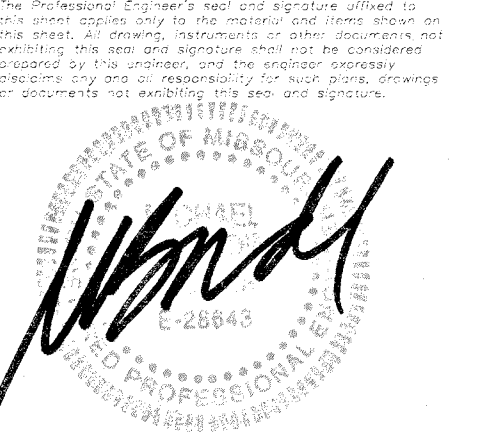


PROJECT TITLE
PEARL VISTA
OFALLON, MISSOURI

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



Date: 8/30/2018
Michael G. Boering
License No. MO E-28643
Professional Engineer

ELITE PEARL VISTA, LLC
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Ph. 314-487-6717

Pt# No. 18-000083
City No.
Date: Aug. 30, 2018
Job No. 17-08-193
Page No.

2.1
SWPPP
IMP

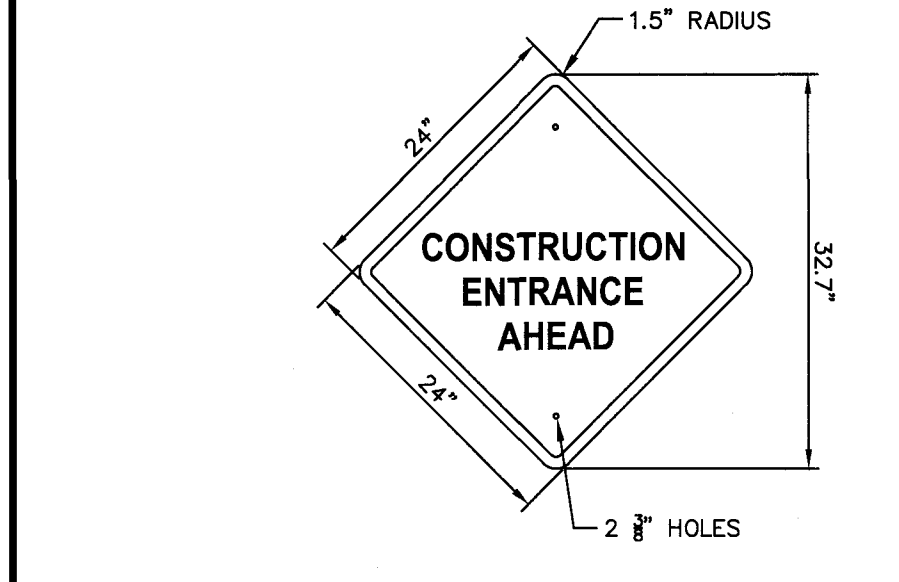
SEDIMENT BASIN B - SIZING CALCS
DRAINAGE AREA ONSITE = 7.20 AC.
DISTURBED AREA = 7.20 AC.
BASIN SIZED FOR 6 MONTHS OF SEDIMENT STORAGE. BASIN MUST BE CLEANED OUT ON A BIENNIAL BASIS DURING CONSTRUCTION AND UNTIL VEGETATION HAS BEEN REESTABLISHED.

ELEV	VOLUME (CU.FT.)
483.6	0
484.0	56
485.0	1,363
486.0	4,799
487.0	11,748
488.0	22,050
490.0	47,478

VOLUME REQUIRED = 12,960 CU.FT. (7.20 AC)(1,800 CU.FT./AC)
VOLUME PROVIDED: 47,478

TOP OF BERM = 490.0
REQUIRED VOLUME ACHIEVED = 487.2
TOP OF STANDPIPE = 487.7
FL OF STANDPIPE = 483.6
FL OF CULVERT = 483.5

MONITORING POSTS TO BE INSTALLED IN A MINIMUM OF THREE LOCATIONS IN BASIN AND MARKED AT A 487 ELEVATION, BASIN TO BE CLEANED OUT ONCE ELEVATION ON MONITORING POSTS IS EQUALLED.



THE UNDERGROUND UTILITIES SHOWN HEREON WERE PLOTTED FROM AVAILABLE INFORMATION AND DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NONEXISTENCE, SIZE, TYPE, NUMBER OR LOCATION OF THESE OR OTHER UTILITIES. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND UTILITIES, SHOWN OR NOT SHOWN, AND SAID UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION OR CONSTRUCTION OF IMPROVEMENTS. THESE PROVISIONS SHALL IN NO WAY ABSOLVE ANY PARTY FROM COMPLYING WITH THE UNDERGROUND FACILITY SAFETY AND DAMAGE PREVENTION ACT, CHAPTER 316, RSMo

Drawing name: V11708193 Pearl Drive Drawings\Engineering\Improvements\193 IMP.dwg Plotted on: Aug 30, 2018 - 8:27am Plotted by: mlhner