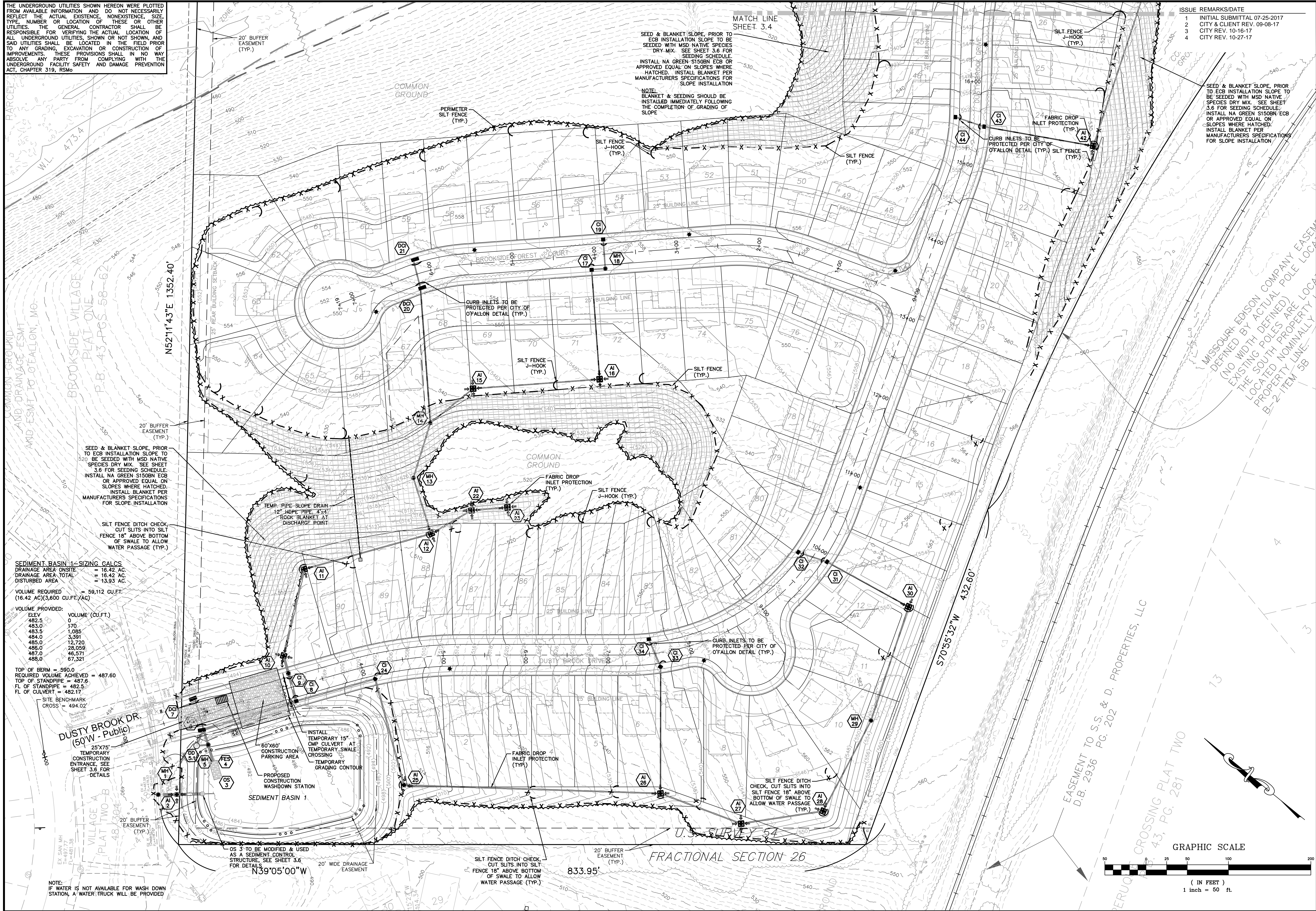


THE UNDERGROUND UTILITIES SHOWN HEREON WERE PLOTTED FROM AVAILABLE INFORMATION AND DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NONEXISTENCE, SIZE, TYPE, NUMBER OR LOCATION OF THESE OR OTHER UTILITIES. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND 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 319, RSMo

ISSUE	REMARKS/DATE
1	INITIAL SUBMITTAL 07-25-2017
2	CITY & CLIENT REV. 09-08-17
3	CITY REV. 10-16-17
4	CITY REV. 10-27-17



SEDIMENT BASIN 1 - SIZING CALCS

DRAINAGE AREA ON SITE	= 16.42 AC.
DRAINAGE AREA TOTAL	= 16.42 AC.
DISTURBED AREA	= 13.93 AC.
VOLUME REQUIRED (16.42 AC)(3,600 CU.FT./AC)	= 59,112 CU.FT.

VOLUME PROVIDED:

ELEV.	VOLUME (CU.FT.)
482.5	0
483.0	170
483.5	1,085
484.0	3,391
485.0	12,720
486.0	28,059
487.0	46,571
488.0	67,321

TOP OF BERM = 590.0
 REQUIRED VOLUME ACHIEVED = 487.6
 TOP OF STANDPIPE = 487.6
 FL OF STANDPIPE = 482.5
 FL OF CULVERT = 482.17
 SITE BENCHMARK CROSS = 494.02

SEED & BLANKET SLOPE, PRIOR TO ECB INSTALLATION SLOPE TO BE SEEDED WITH MSD NATIVE SPECIES DRY MIX. SEE SHEET 3.6 FOR SEEDING SCHEDULE. INSTALL NA GREEN S150BN ECB OR APPROVED EQUAL ON SLOPES WHERE HATCHED. INSTALL BLANKET PER MANUFACTURERS SPECIFICATIONS FOR SLOPE INSTALLATION.

NOTE: BLANKET & SEEDING SHOULD BE INSTALLED IMMEDIATELY FOLLOWING THE COMPLETION OF GRADING OF SLOPE.

SEED & BLANKET SLOPE, PRIOR TO ECB INSTALLATION SLOPE TO BE SEEDED WITH MSD NATIVE SPECIES DRY MIX. SEE SHEET 3.6 FOR SEEDING SCHEDULE. INSTALL NA GREEN S150BN ECB OR APPROVED EQUAL ON SLOPES WHERE HATCHED. INSTALL BLANKET PER MANUFACTURERS SPECIFICATIONS FOR SLOPE INSTALLATION.

PROJECT TITLE

BROOKSIDE FOREST

OFALLON, MISSOURI

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SWPPP

P+Z No. 02-17.01
 City No.
 Date: Nov. 7, 2017
 Job No. 16-09-274

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