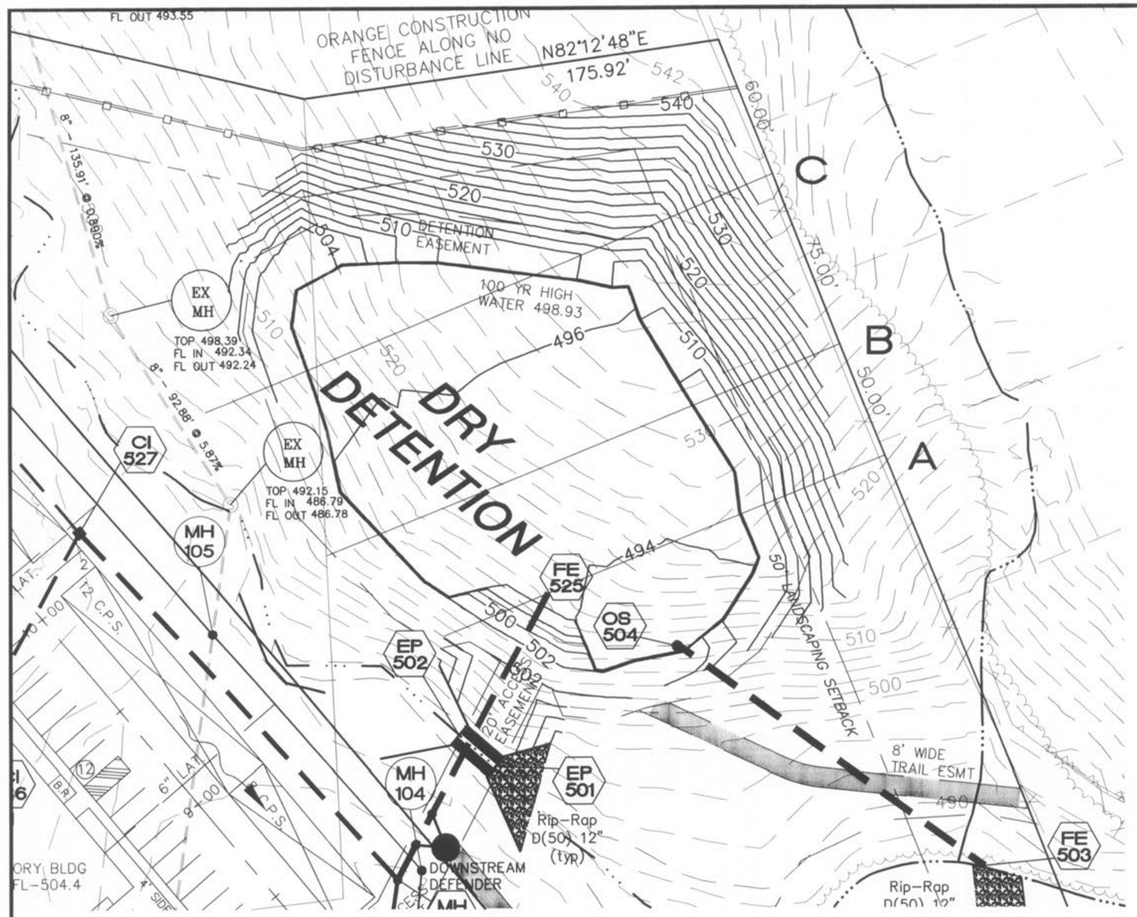
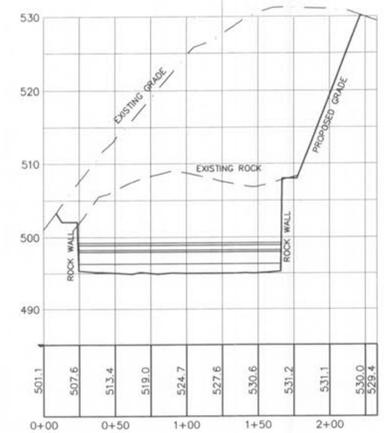
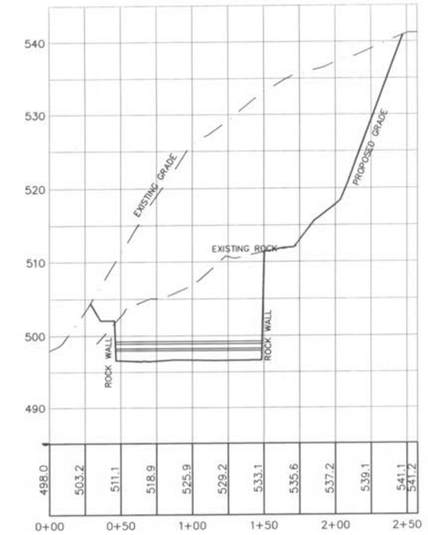




B

VERT. 1" = 10'
1" = 50' HORIZ.
SCALE:



C

DETENTION:

PREDEVELOPED RUNOFF:

2 YEAR	37.06 CFS
15 YEAR	84.12 CFS
25 YEAR	95.60 CFS
100 YEAR	134.18 CFS
200 YEAR	153.98 CFS

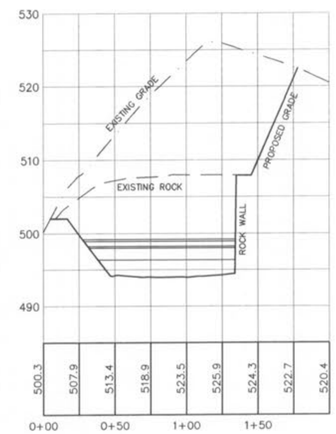
POSTDEVELOPED RUNOFF:

2 YEAR	41.95 CFS
15 YEAR	73.48 CFS
25 YEAR	80.54 CFS
100 YEAR	103.47 CFS
200 YEAR	114.90 CFS

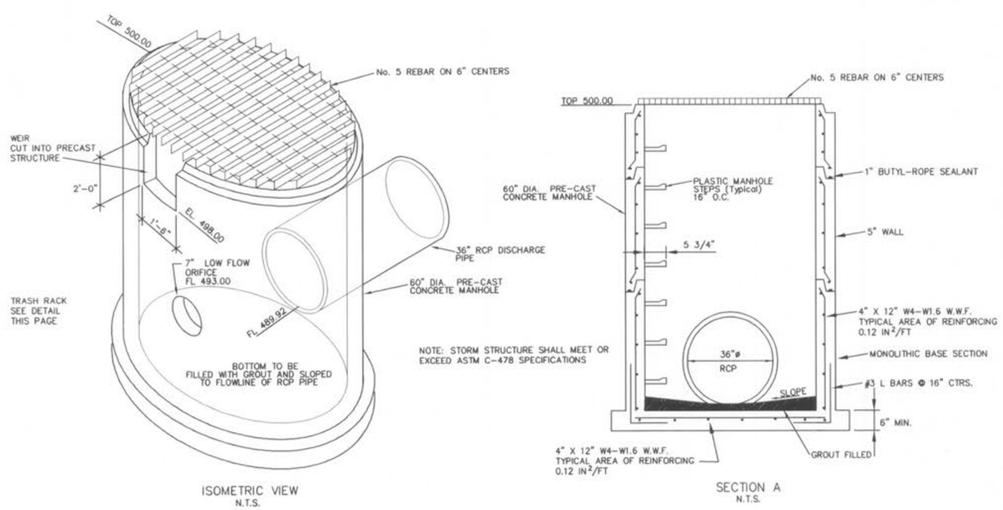
BASIN HIGHWATER MARKS

2 YEAR	496.34 FEET
15 YEAR	497.87 FEET
25 YEAR	498.17 FEET
100 YEAR	498.88 FEET
200 YEAR	499.20 FEET

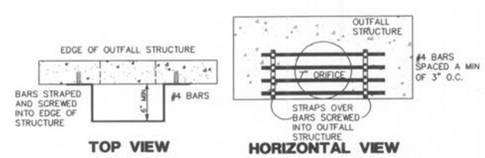
TOP OF DAM ELEVATION 502.10 FEET



A



DETENTION STRUCTURE DETAIL



TRASH RACK DETAIL N.T.S.

O'FALLON P+Z NO. 3805.05
APPROVED AUGUST 16, 2007
E:\041419\dwg\041419.dwg 05/01/08-2:45pm

01/18/08	REVISED BID SET
02/18/08	REVISED PER CITY COMMENTS

BELLEAU CROSSING DETENTION

ST. CHARLES ENGINEERING & SURVEYING, INC.
801 S. FIFTH STREET, SUITE 202
ST. CHARLES, MO 63301
TEL. (636) 947-0607 FAX: (636) 947-2448

STATE OF MISSOURI
KARL ANTHONY SCHUSHNIG
PE-2000019053
PROFESSIONAL ENGINEER

5-2-08

ORDER NO.
04-1419-01
DATE

C-17