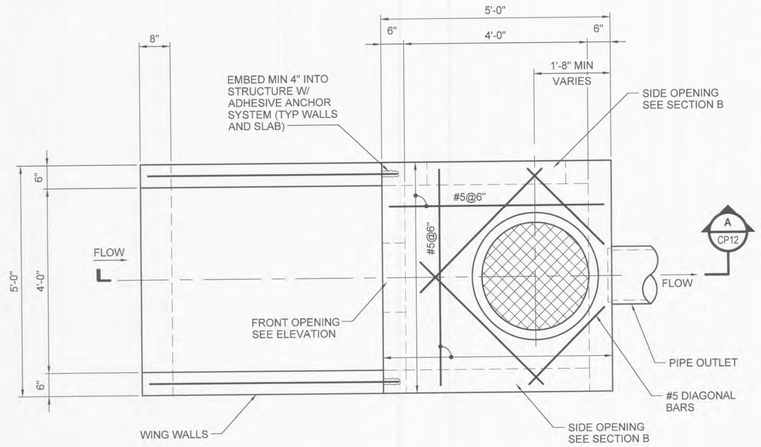
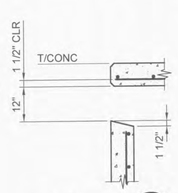
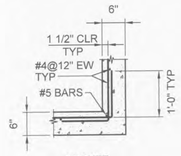


PLAN
N.T.S.

TABLE 1			
	SLOT WIDTH	BOTTOM OF BASIN ELEVATION	TOP OF BASIN ELEVATION
BASIN 1	8"	495.0	502.0
BASIN 2	12"	496.0	503.0



SECTION B-B CP12
N.T.S.

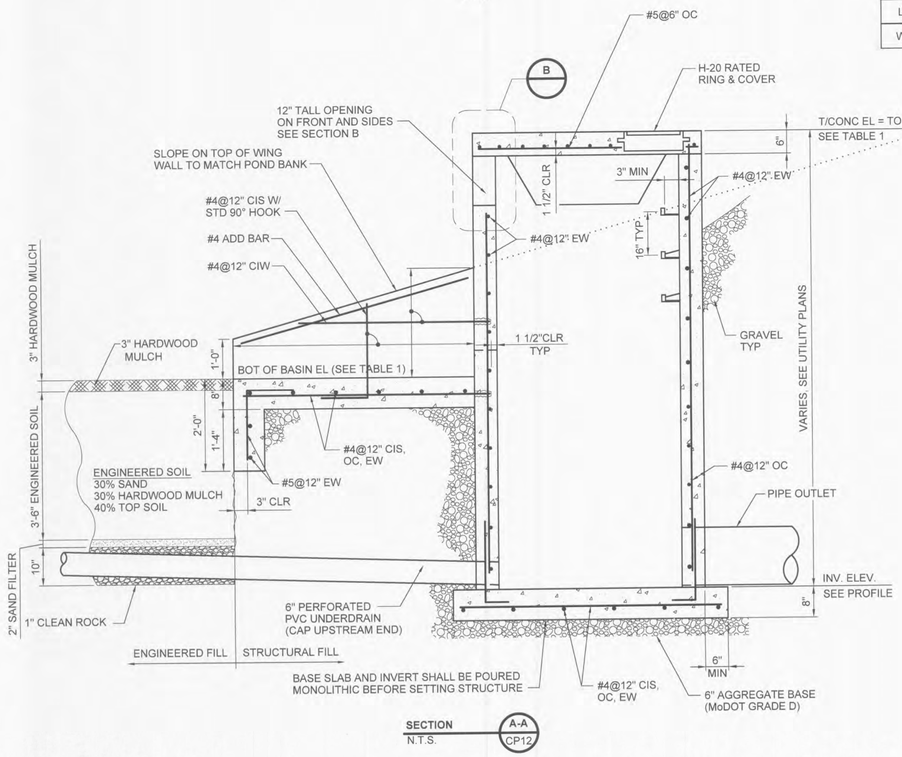


CORNER DETAIL

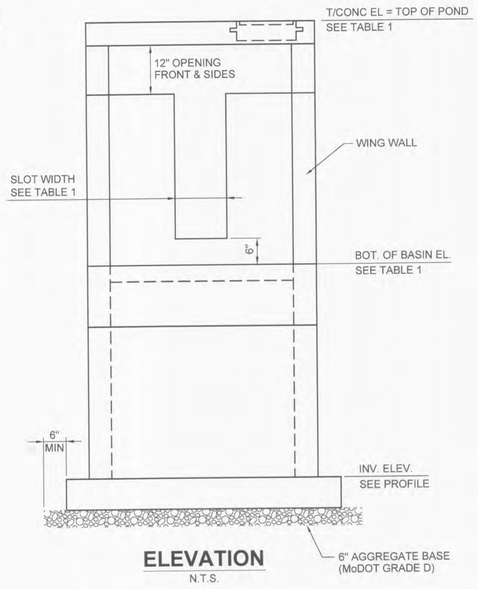
REINFORCING		
BARS	BAR SIZE	SPACING (IN.)
H	4	12
V	4	12
L	5	6
W	5	6

GENERAL NOTES:

1. LOCATE RING AND COVER OVER OUTLET.
2. USE 3/4" CHAMFER STRIP ON ALL EXPOSED CONCRETE CORNERS.
3. STEPS REQUIRED AT 16" O.C. WHEN DEPTH FROM TOP OF STRUCTURE TO INVERT EXCEEDS 4'.
4. BOXOUTS IN WALLS WILL NOT BE ALLOWED TO PROJECT THROUGH THE CORNERS OF THE STRUCTURE.
5. THE MINIMUM REINFORCING SHALL BE 1 H-BAR OVER A CAST-IN PLACE PIPE AND 2 H-BARS OVER A PRECAST BOXOUT.
6. O.R. = OUTSIDE PIPE RADIUS.
7. MANHOLE RING & COVER TO BE H-20 RATED OR APPROVED EQUAL.
8. DISCHARGE STRUCTURE MAY BE CONSTRUCTED CAST-IN-PLACE OR PRECAST AT CONTRACTORS DISCRETION.

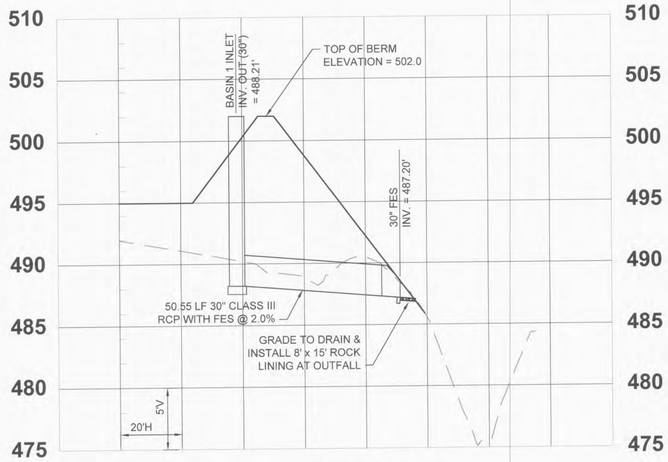


SECTION A-A CP12
N.T.S.

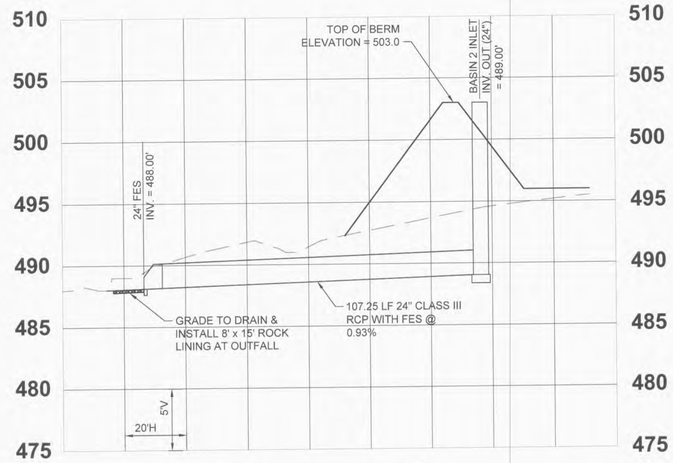


ELEVATION
N.T.S.

BASIN DISCHARGE STRUCTURE DETAILS



BASIN #1 DISCHARGE STRUCTURE D-D CP11
PROFILE



BASIN #2 DISCHARGE STRUCTURE H-H CP11
PROFILE

BMCD# 77051
425 S Woods Mill Rd
Chesterfield, MO 63017
(314) 682-1600

Burns & McDonnell SINCE 1898

STATE OF MISSOURI — STEVEN BEAM NUMBER PE-2009027915 — PROFESSIONAL ENGINEER

Date: 06/27/2014
Steven R. Beam
Professional Engineer
#2009027915

REV	PROJ ID	DATE	DRWN	RVW	APPD
0		06-27-14	GAH	MRH	SRB

ISSUED FOR CONSTRUCTION

NOTICE OF LIMITED RESPONSIBILITY

O'FALLON RENEWABLE ENERGY CENTER

DETENTION BASIN DETAILS

Ameren MISSOURI

CP12

REV 0

SCALE: RATIO