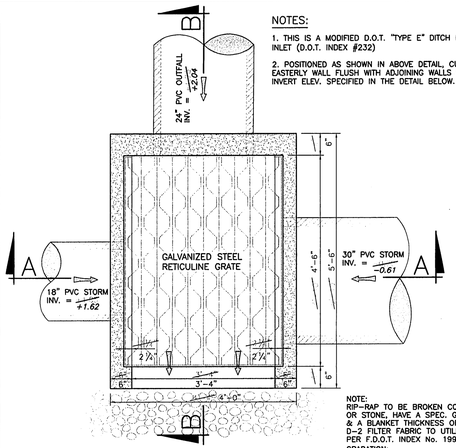
NOTES:

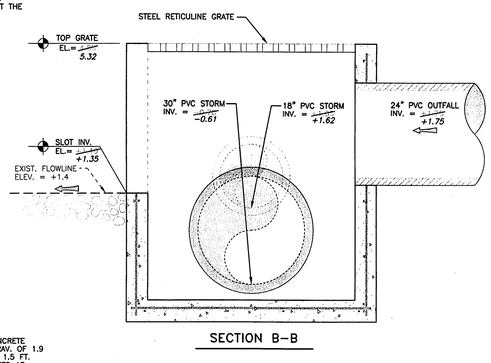
1. THIS IS A MODIFIED D.O.T. "TYPE E" DITCH BOTTOM INLET (D.O.T. INDEX #232)

2. POSITIONED AS SHOWN IN ABOVE DETAIL, CUT EASTERLY WALL FLUSH WITH ADJOINING WALLS AT THE INVERT ELEV. SPECIFIED IN THE DETAIL BELOW.

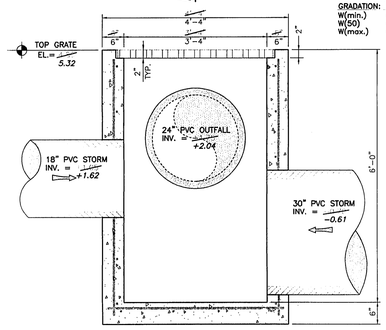


NOTE:
RIP-RAP TO BE BROKEN CONCRETE OR STONE, HAVE A SPEC. GRAV. OF 1.9 & A BLANKET THICKNESS OF 1.5 FT. D-2 FILTER FABRIC TO UTILIZED AS PER F.D.O.T. INDEX No. 199

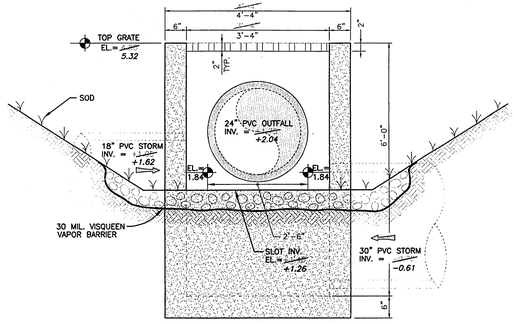
GRADATION:
W(min.) = 4 LBS
W(50) = 30 LBS
W(max.) = 75 LBS



SECTION B–B



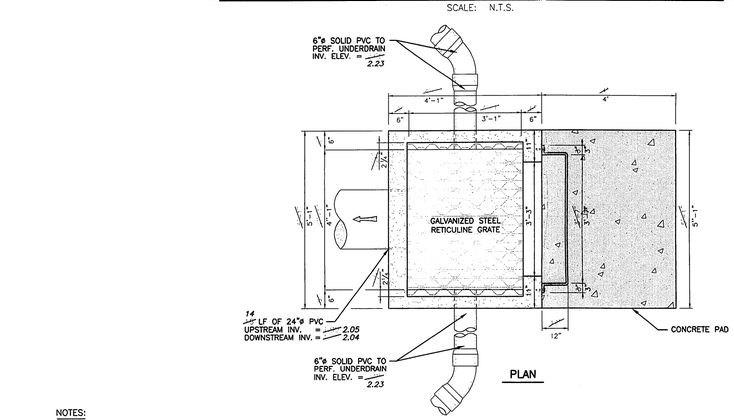
SECTION A–A



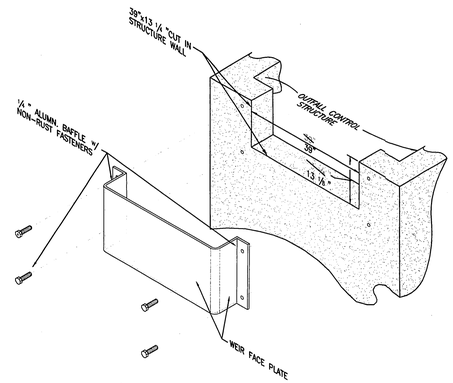
FRONT VIEW OF EAST FACE

DITCH BOTTOM INLET #16 (MODIFIED TYPE "E" STRUCTURE)

SCALE: N.T.S.



PLAN

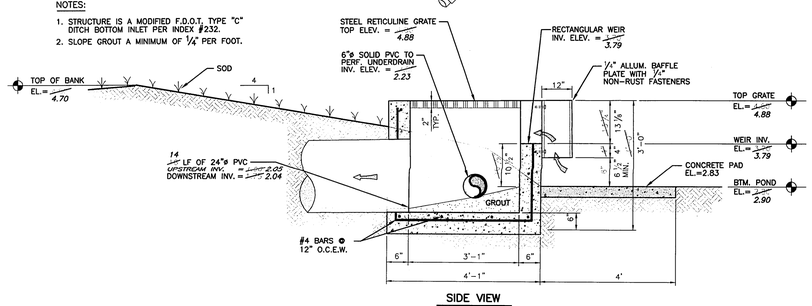


SKIMMER/FACE PLATE ISOMETRIC

SCALE: N.T.S.

NOTES:

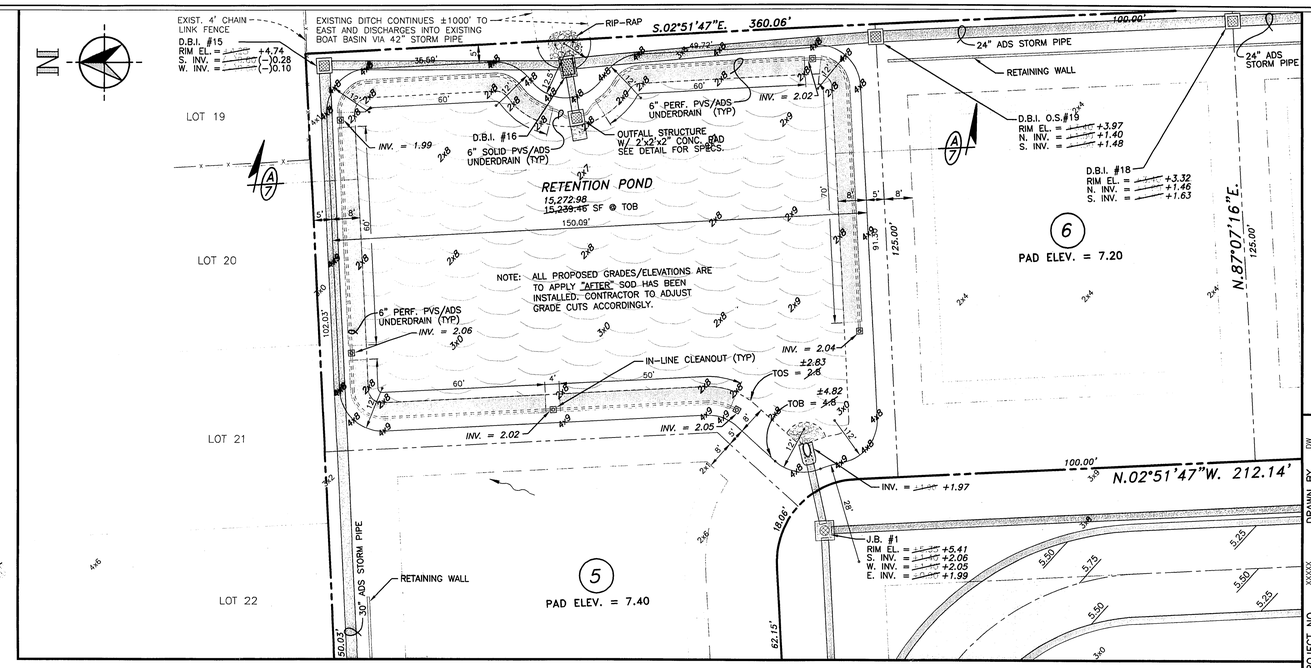
1. STRUCTURE IS A MODIFIED F.D.O.T. TYPE "C" DITCH BOTTOM INLET PER INDEX #232.
2. SLOPE GROUT A MINIMUM OF ¼" PER FOOT.



SIDE VIEW

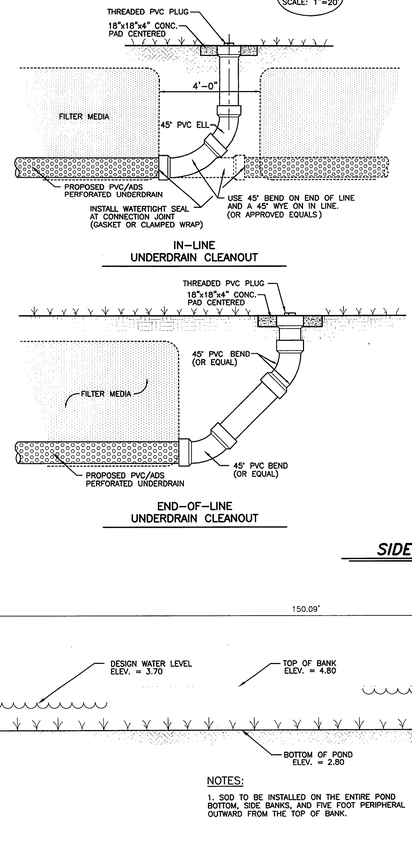
OUTFALL CONTROL STUCTURE

SCALE: N.T.S.



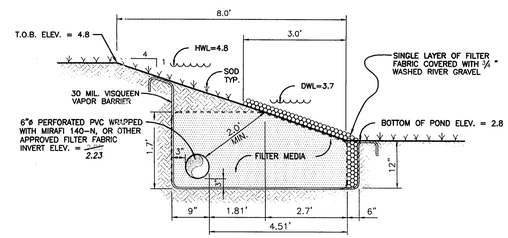
DRY RETENTION POND PLAN

SCALE: 2:1
SCALE: 1"=20'



IN–LINE
UNDERDRAIN CLEANOUT

END–OF–LINE
UNDERDRAIN CLEANOUT



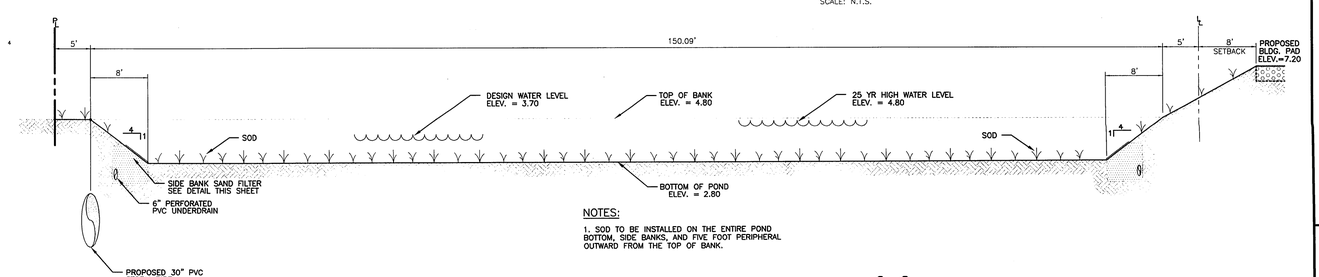
SECTION VIEW

NOTES:

1. CONTRACTOR TO ENSURE SEAMS OF VISQUEEN BARRIER ARE INSTALLED AS PER MANUFACTURERS SPECIFICATIONS, IN ORDER TO MAINTAIN WATER TIGHTNESS OF BARRIER
2. CONTRACTOR SHALL SUPPLY THE ENGINEER OF RECORD WITH A CONDUCTIVITY ANALYSIS OF THE FILTER MATERIAL DELIVERED TO THE SITE PRIOR TO CONSTRUCTION OF THE UNDERDRAIN. THE ANALYSIS SHALL BE CERTIFIED BY A PROFESSIONAL SOILS ENGINEER.
3. FILTER MEDIA SHALL BE A FINE GRANULAR MATERIAL WITH A UNIFORMITY COEFFICIENT OF 1.5 OR GREATER, AND AN EFFECTIVE GRAIN SIZE OF 0.20 TO 0.55 MILLIMETERS. NO LIMEROCK OR SHELL MATERIAL SHALL BE USED AS FILTER MEDIA. FILTER MEDIA SHALL HAVE A MINIMUM HYDRAULIC CONDUCTIVITY OF 5.42 FT/HR.

SIDEBANK FILTER DETAIL

SCALE: N.T.S.



NOTES:

1. SOD TO BE INSTALLED ON THE ENTIRE POND BOTTOM, SIDE BANKS, AND FIVE FOOT PERIPHERAL OUTWARD FROM THE TOP OF BANK.

DRY RETENTION POND CROSS SECTION (A/A8)

SCALE: N.T.S.

CYRIX ENGINEERING, INC.
Engineers & Surveyors
1144 Tallevast Rd. #111
Sarasota, Fla 34243
(941) 358-8812 (ph) * (941) 358-8909 (fax)

REVISIONS	DATE	BY

PROJECT NO. XXXX DRAWN BY DW
CHECKED BY J.M.P. DATE 12 APR. 2004

SEAL
J. Mark Privette PE Fl. Reg.# 43394
MAY 19 2008
Date

COQUINA BEACH SUBDIVISION

POND LAYOUT AND DETAILS

SHEET 8 OF 16

RECORD DRAWING: 12 MAY 2008