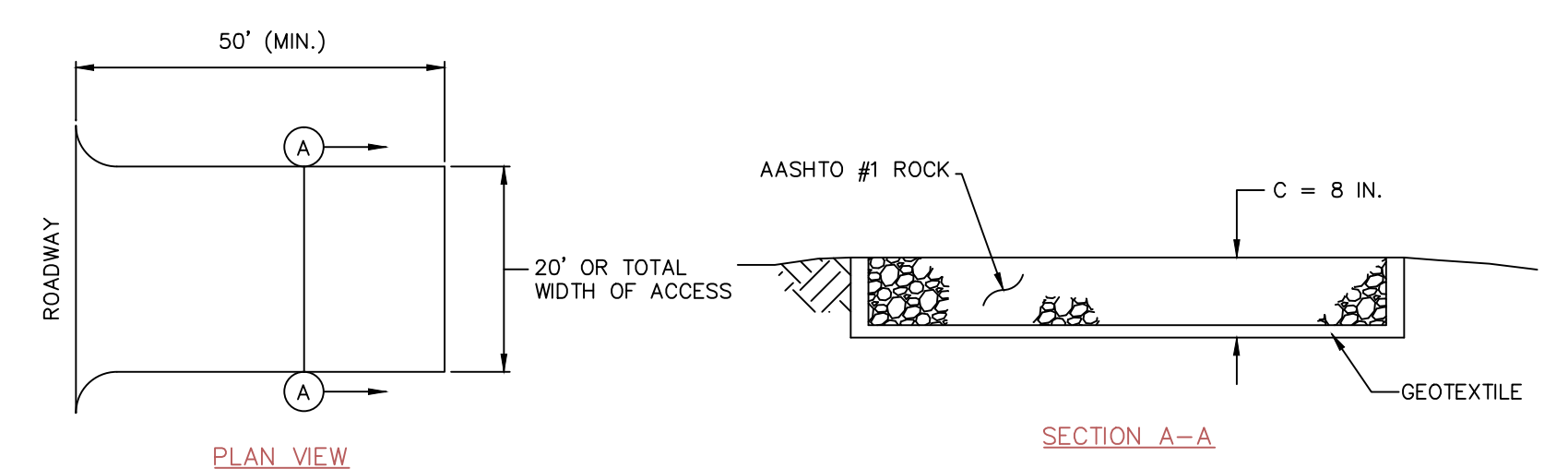


### Inline Water Level Control Structure

Mfg. & Distributed by:  
 Agri Drain Corp.  
 P.O. Box 458  
 Adair, IA 50002  
 Phone: 1-800-232-4742

**Note:** This Inline Control Structure is proposed as shown on the Plan Map to facilitate control of the water level in the mine. Adjustments to the water level may be made by adjusting the stoplogs within the Inline Control Structure.

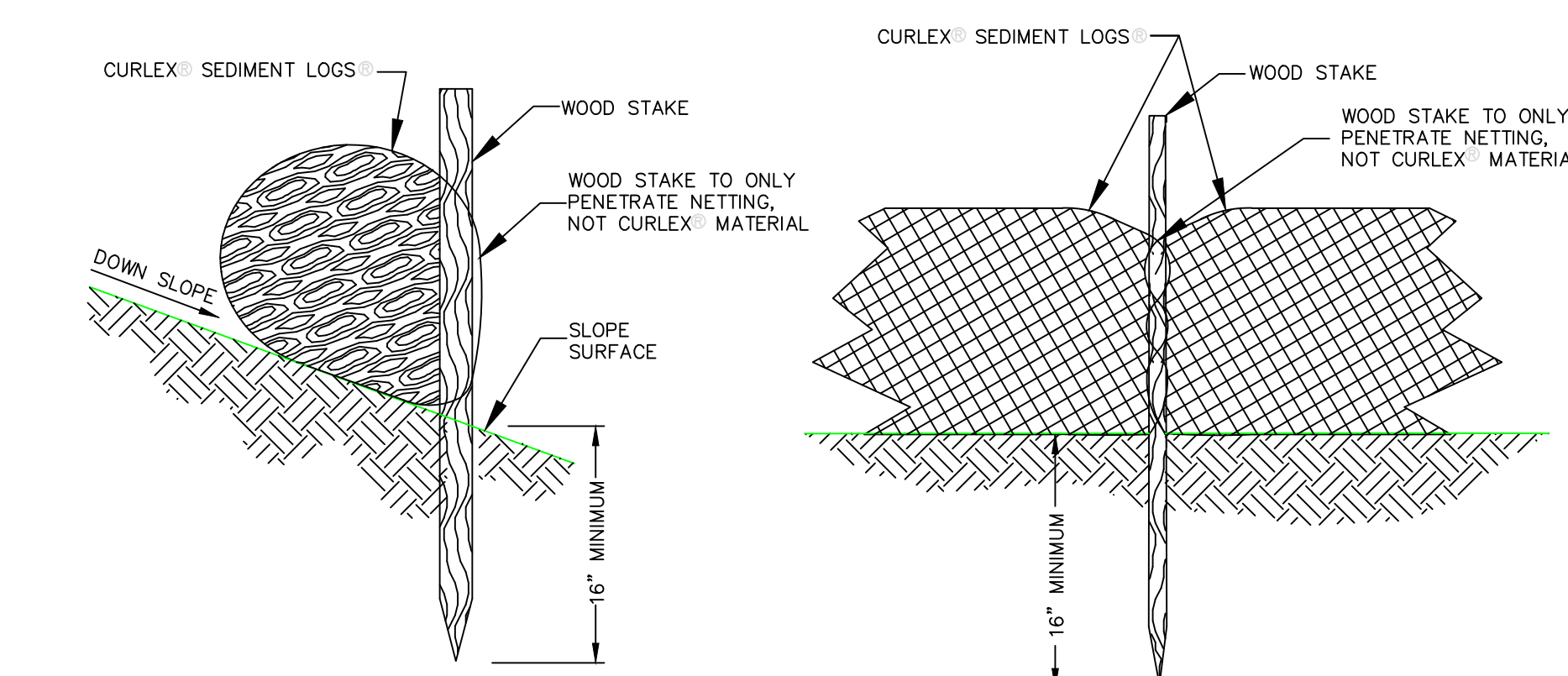
Not To Scale



**MAINTENANCE:** ROCK CONSTRUCTION ENTRANCE THICKNESS SHALL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSIONS BY ADDING ROCK. A STOCKPILE SHALL BE MAINTAINED ON SITE FOR THIS PURPOSE. AT THE END OF EACH CONSTRUCTION DAY, ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE.

### ROCK CONSTRUCTION ENTRANCE

NO SCALE



### Stake Detail (Profile View)

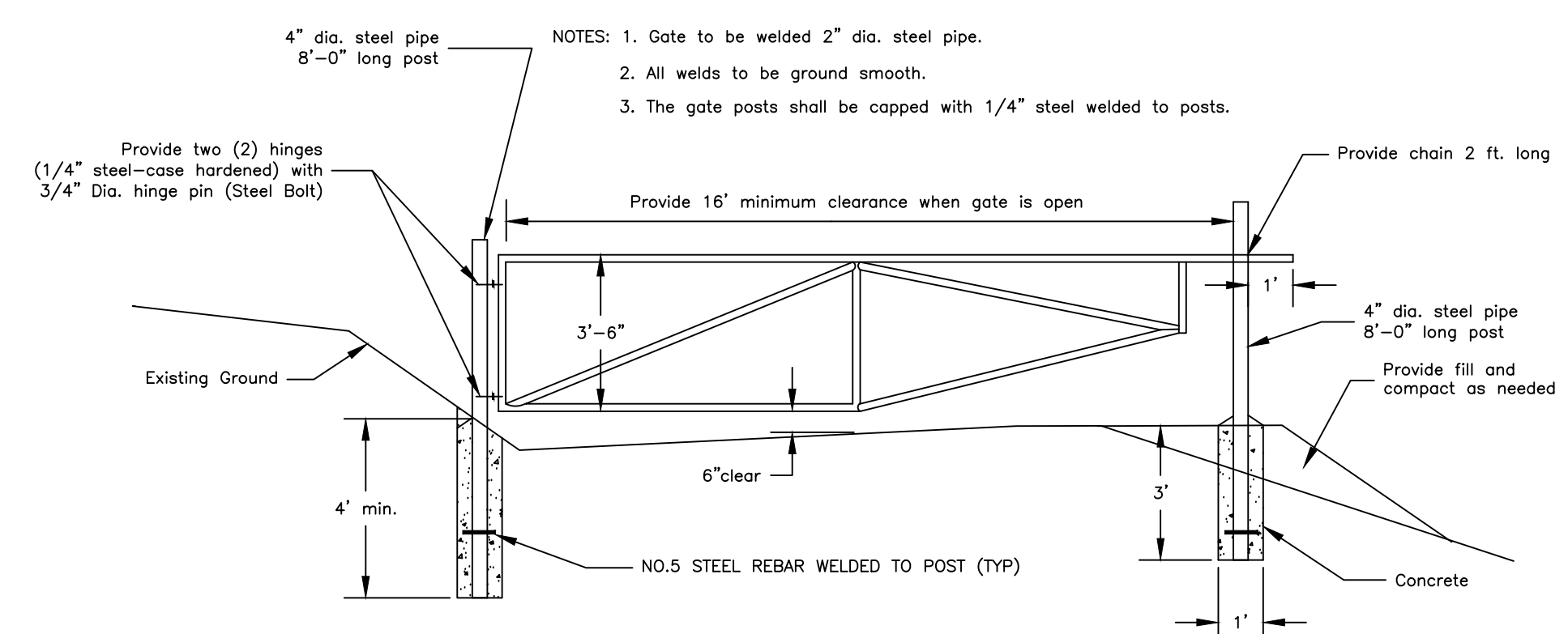
### Stake Detail (Front View)

**Notes:**  
 1. 1 1/8" X 1 1/8" X 30" wooden stakes are recommended for 6", 9", AND 12" sediment logs.

Place stakes 3'-4' apart to maintain secure contact between sediment log and ground during rain events.

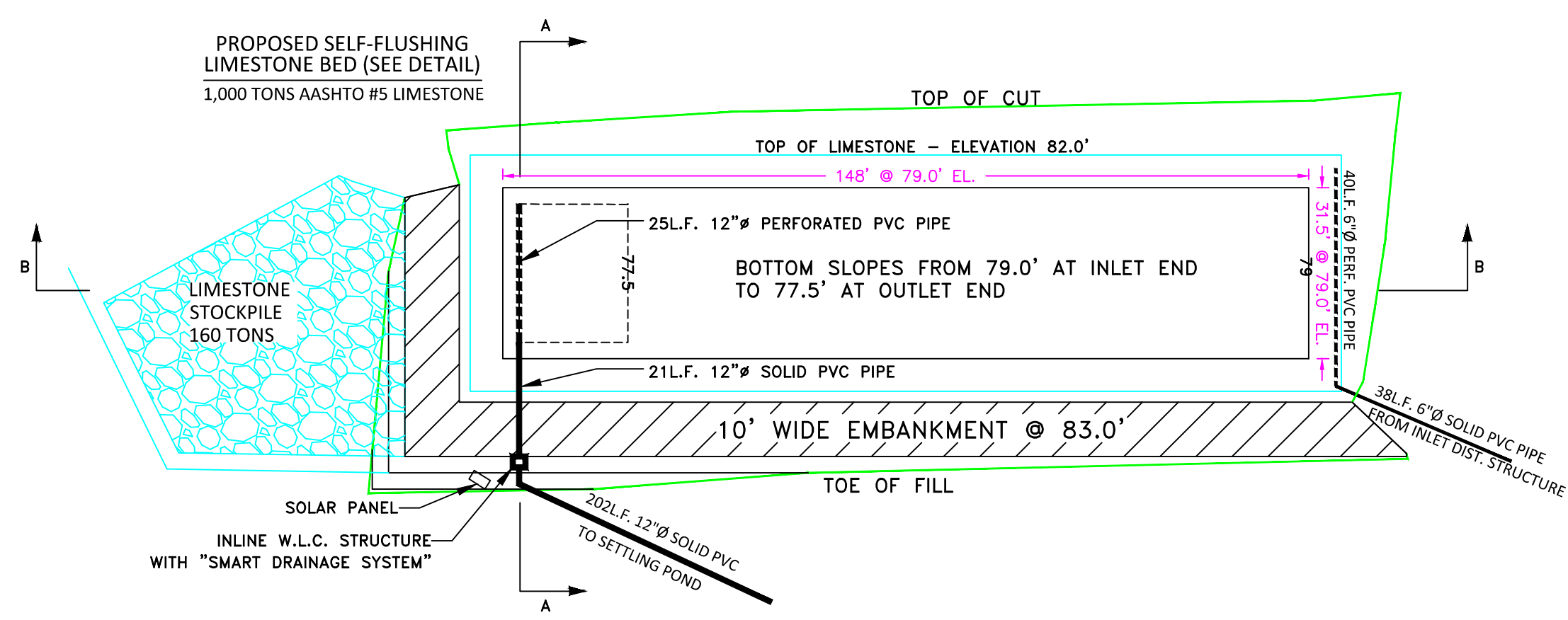
### Sediment Log Detail

NO SCALE



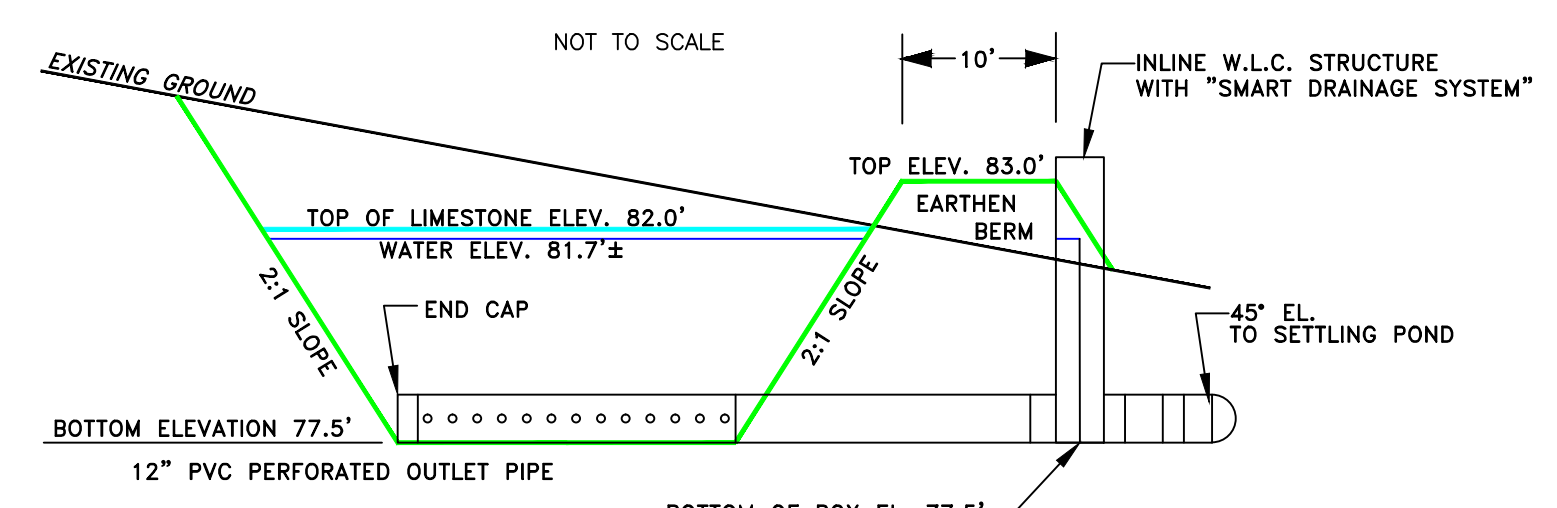
### Gate Detail

Scale: 3/8"=1'-0"



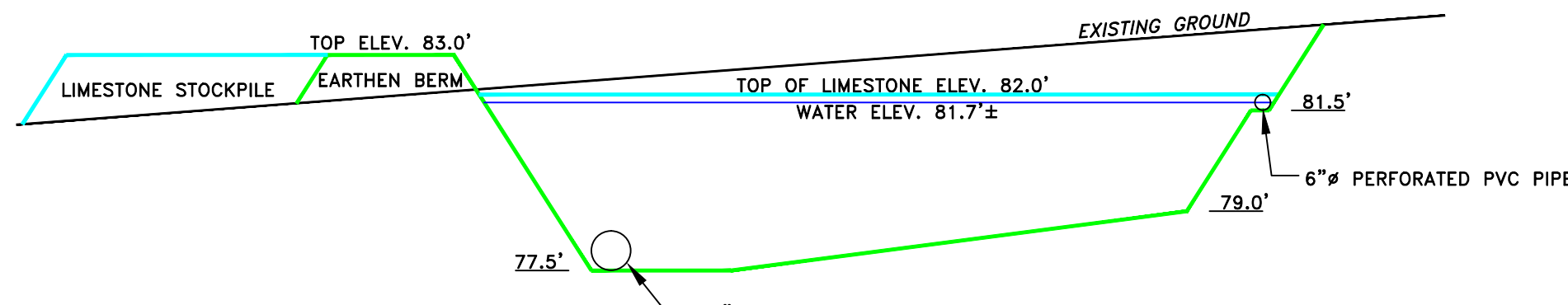
### SELF-FLUSHING LIMESTONE BED

NOT TO SCALE

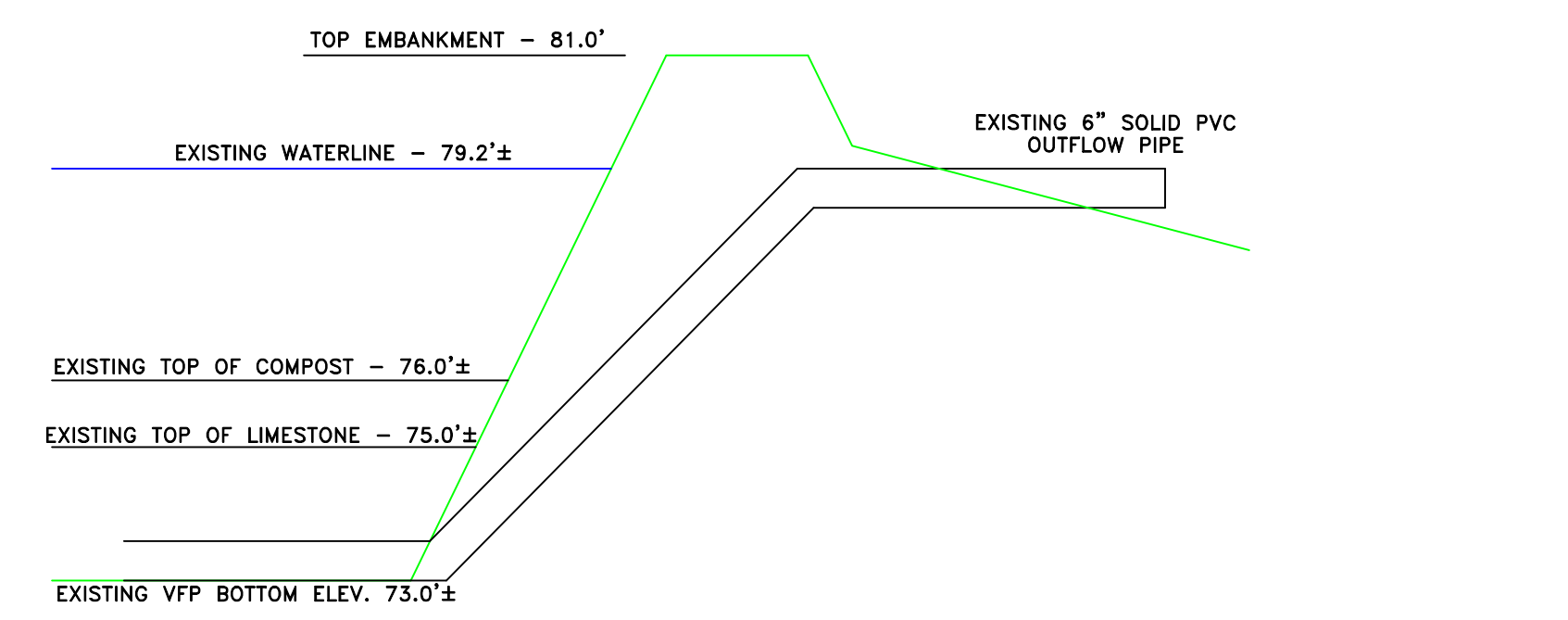


### CROSS SECTION A

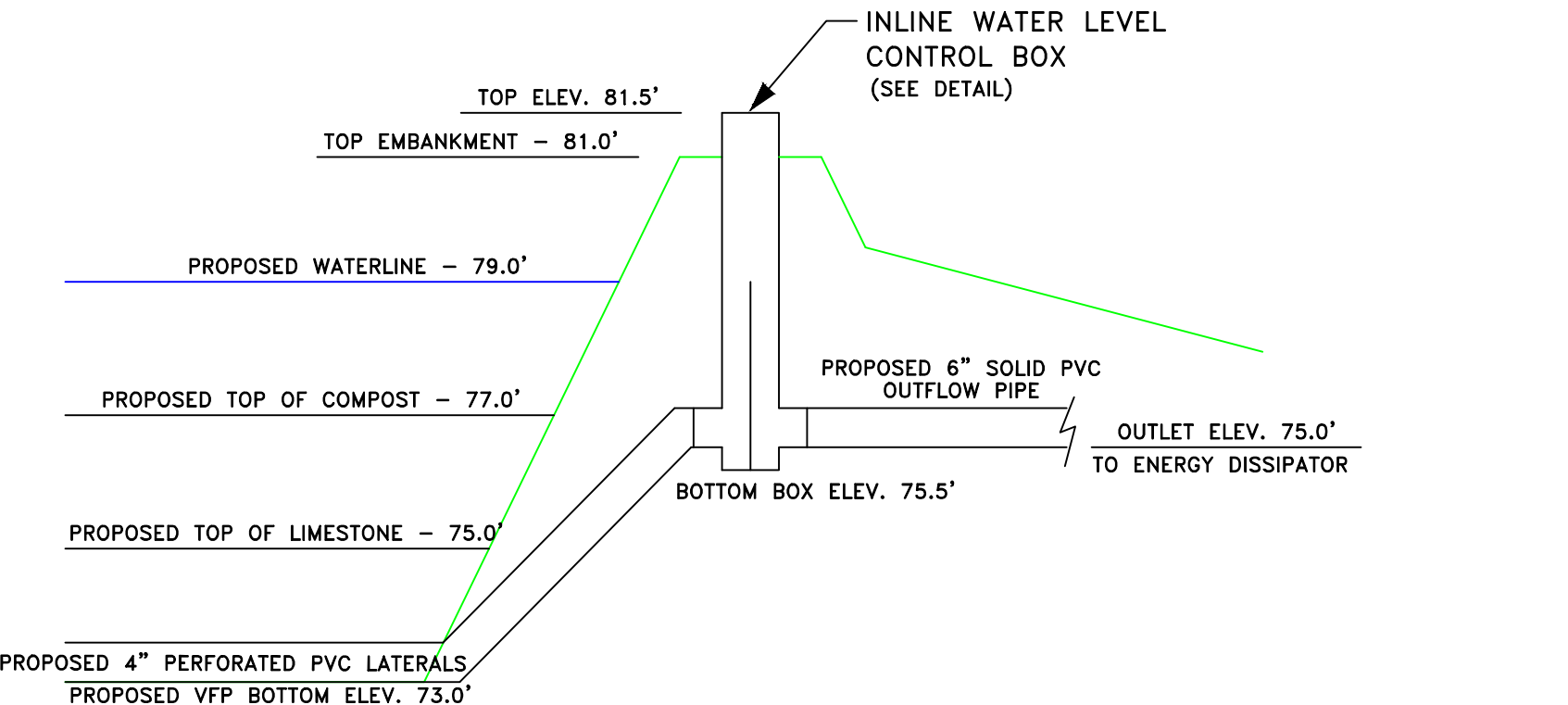
NOT TO SCALE



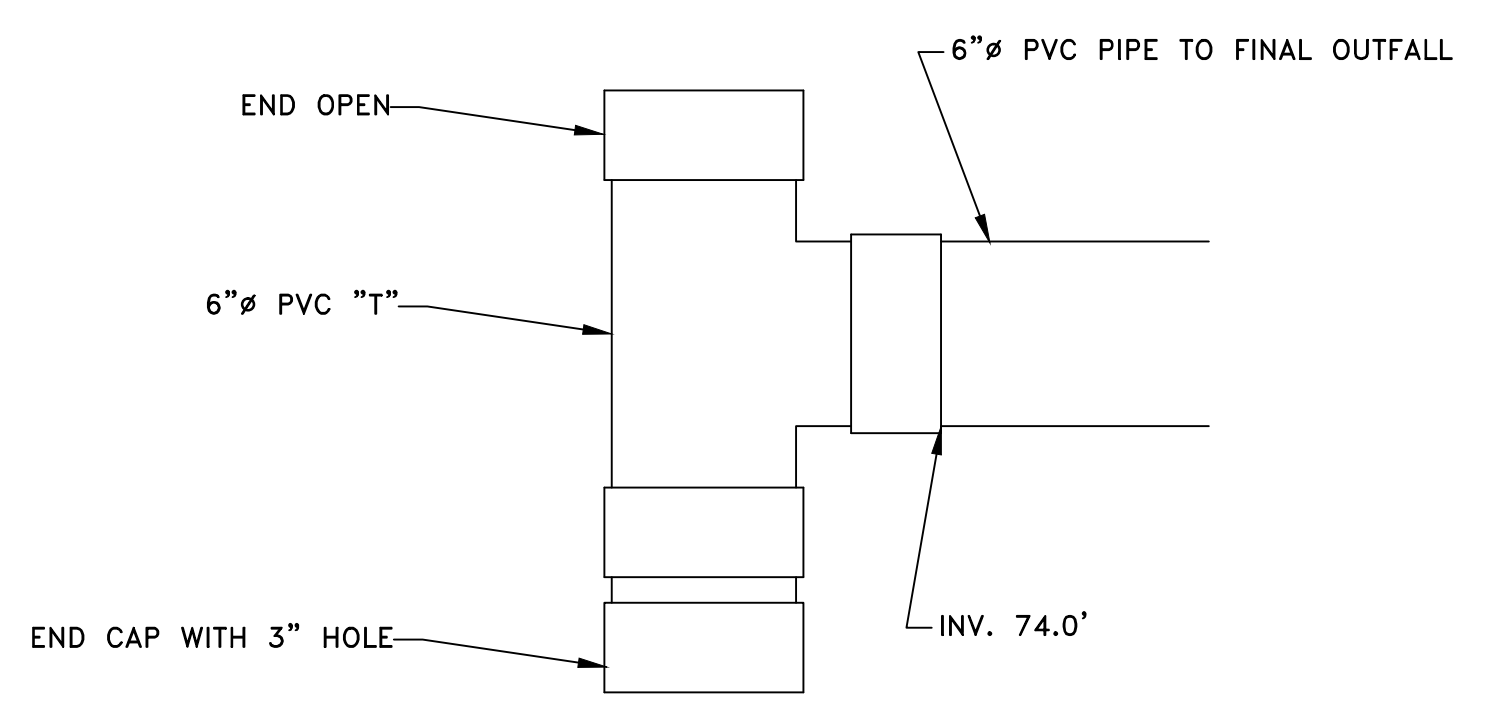
### CROSS SECTION B



### VERTICAL FLOW POND - EXISTING CONDITIONS

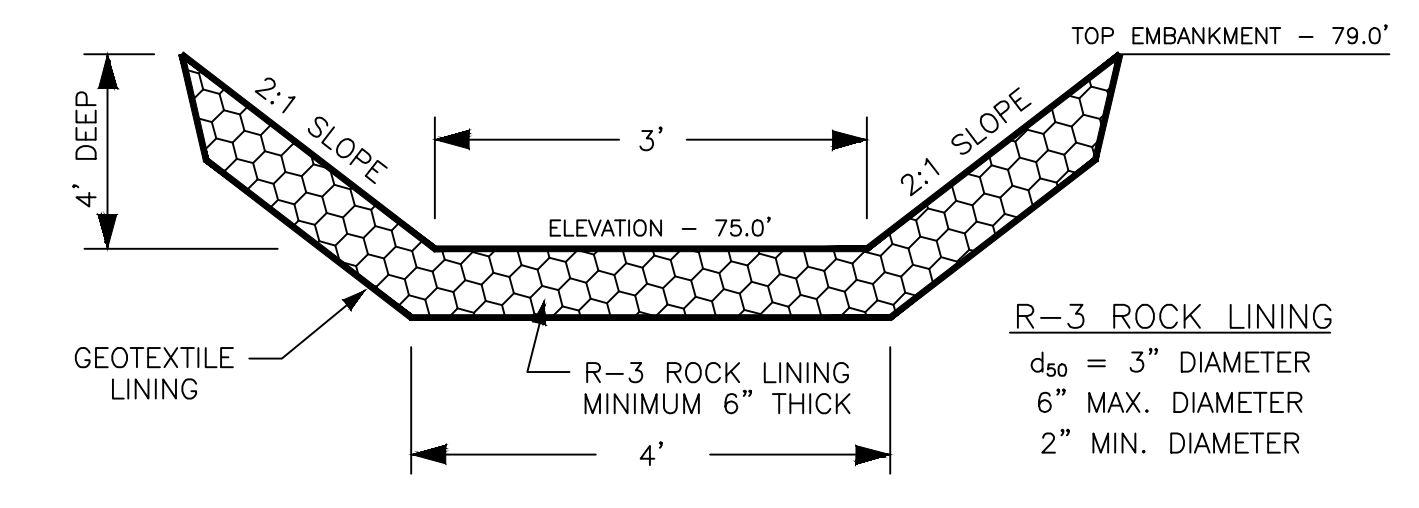


### VERTICAL FLOW POND - PROPOSED



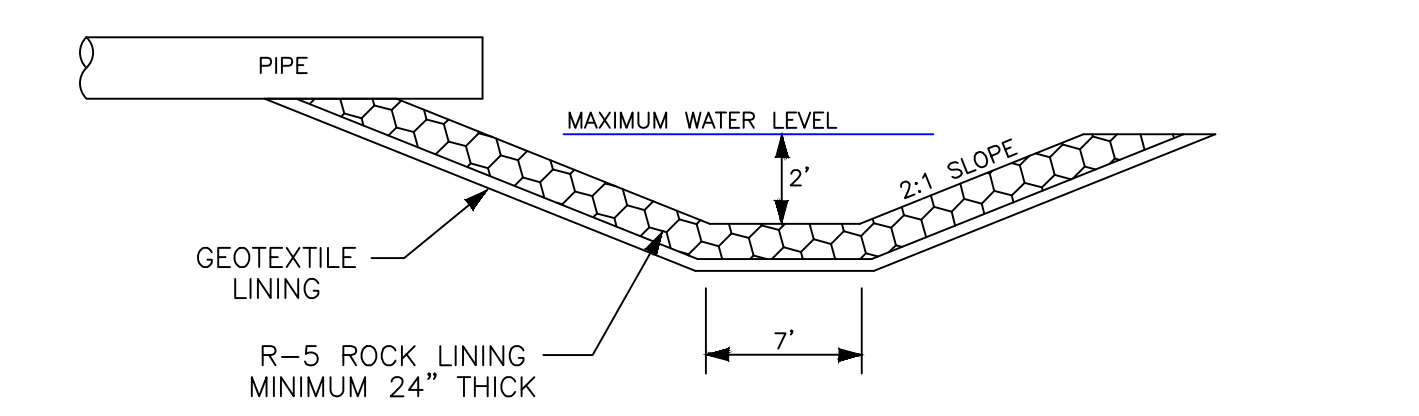
### SETTLING POND OUTLET PIPE

NOT TO SCALE



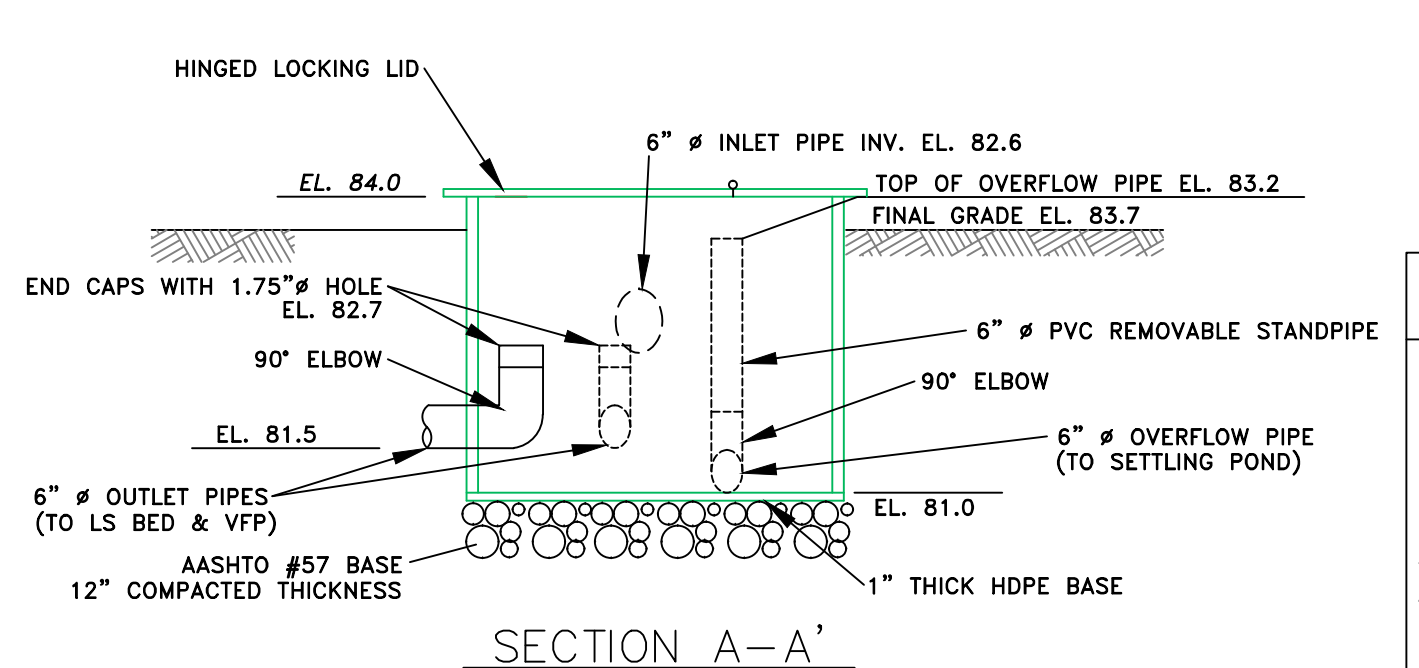
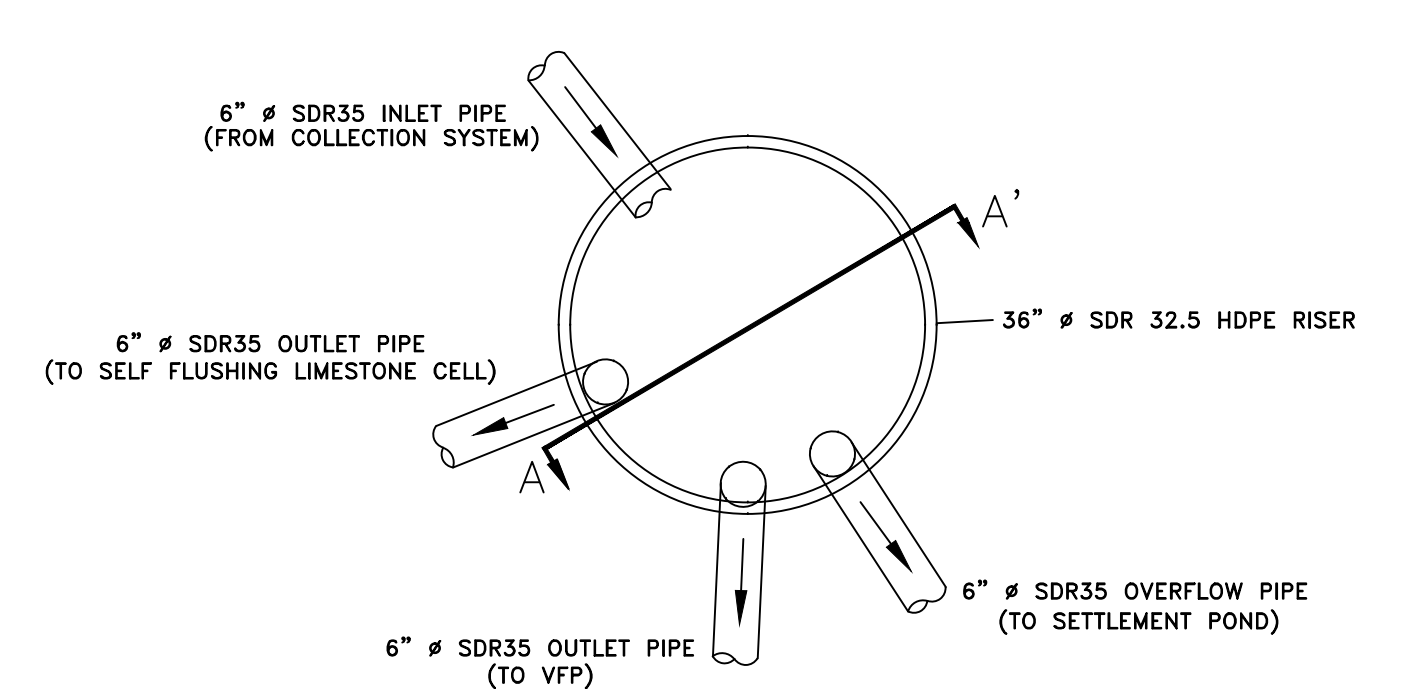
### SETTLING POND EMERGENCY SPILLWAY DETAIL

NOT TO SCALE



### Energy Dissipator Detail

NOT TO SCALE



### INLET DISTRIBUTION STRUCTURE

NOT TO SCALE

<b>Tanga Site</b>	
Construction Details	Drawing No: he-tanga3.dwg
SHEET NO. 2 OF 2	Date: September 2005
Municipality: Beech Creek Township	Drawn By: dem
County: Clinton County, PA	Scale: as shown

Design by:

Hedin Environmental  
 195 Castle Shannon Blvd.  
 Pittsburgh, PA 15228  
 www.hedinenv.com

No.	Date	Description	By
3	03-17-10	PA One Call info, loc. map	naw
2	Sept. '09	Design revisions	naw
2	02-24-06	added inlet structure/misc.	dem
1	01-17-06	Plan Designs	dem

**NOTES:**  
 Topographic features shown herein are according to cost files and mapping by USGS/INRCS.  
 Limited surveying was completed by D.E.M. for the final & final information is according to the 1/4" = 100' plan & D.E.M. Additional surveying included wetland perimeter, contours, stream settling pond, and left abut. reference.  
 Property boundaries shown herein are approximate.  
 Orientation to North is approximate.  
 Basis of elevations is assumed.

**STOP! CALL BEFORE YOU DIG!**  
 811 OR 1-800-242-1776

PENNSYLVANIA ACT 287 REQUIRES:  
 A DESIGN ONE CALL TO BE PLACED NOT LESS THAN 10 OR MORE THAN 90 BUSINESS DAYS BEFORE FINAL DESIGN IS TO BE COMPLETED.  
 DESIGN ONE CALL SERIAL NUMBER: 20100761263.  
 DESIGN ONE CALL DATE: March 17, 2010

THE EXCAVATING CONTRACTOR IS TO NOTIFY THE PA ONE CALL SYSTEM NOT LESS THAN 3 OR MORE THAN 10 BUSINESS DAYS IN ADVANCE OF BEGINNING EXCAVATION OR DEMOLITION WORK.  
 EXCAVATING ONE CALL SERIAL NUMBER:

EXCAVATING ONE CALL DATE:

1-800-242-1776