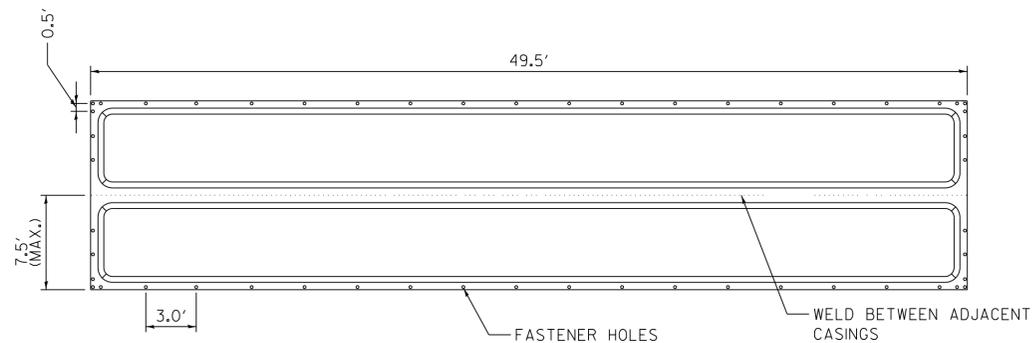
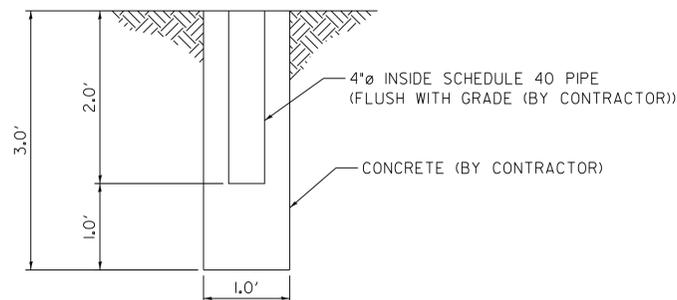


- NOTES:
- COVER: R-5 INSULATION, 40mil HDPE.
  - FINAL COVER DIMENSIONS AND COVER FABRICATION LAYOUT WILL BE VERIFIED BY SHOP DRAWING SUBMITTAL.
  - ALL PERSONNEL SHALL WEAR OSHA APPROVED PERSONAL FLOTATION DEVICE WHEN WORKING ON WASTEWATER PONDS.
  - SEE PERIMETER ANCHOR SECTION DETAIL AND DETAILS 1 THROUGH 6.
  - PAY AS INSTALL LAGOON #2 COVER SYSTEM, COMPLETE, ILUMP SUM.

**1A HDPE COVER SYSTEM PLAN**

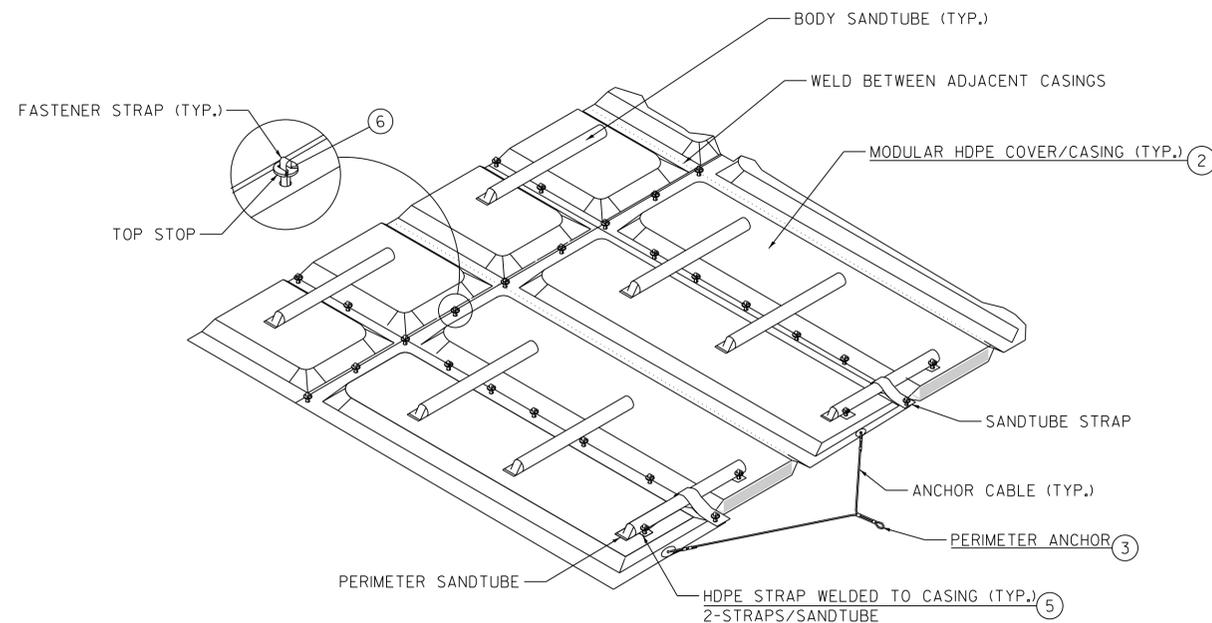


**2 MODULAR HDPE COVER/CASING**

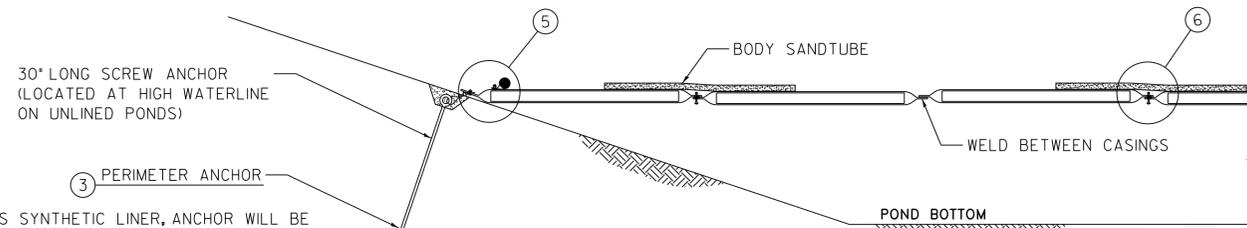


**4 PULLING POST ANCHOR SLEEVE DETAIL**

- NOTES:
- CAP BASE OF PIPE WITH PLASTIC SHEET TO PREVENT CONCRETE ENTERING PIPE. THE INSIDE OF THE PIPE SHOULD BE CLEAR OF MATERIAL OVER ITS FULL LENGTH.
  - LOCATIONS OF PULLING POSTS ARE DEPENDENT ON ASSEMBLY/INSTALL AREA.
  - PULLING POST LOCATIONS SHALL BE DETERMINED BY THE ENGINEER AND IN COMPLIANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.



**1B MODULAR COVER ISOMETRIC VIEW**



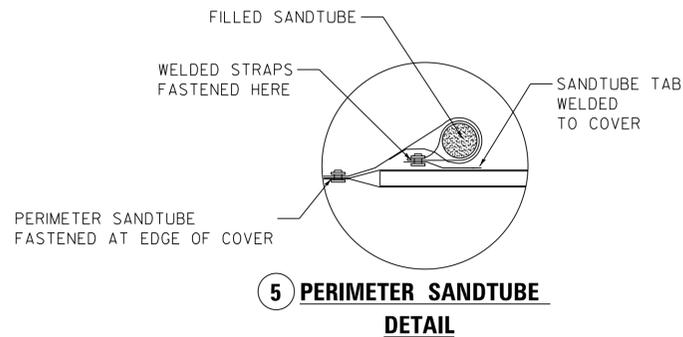
**A PERIMETER ANCHOR SECTION DETAIL**

- NOTES:
- IF POND HAS SYNTHETIC LINER, ANCHOR WILL BE LOCATED 1' BEYOND LINER ANCHOR TRENCH
  - IF POND IS UNLINED, ANCHOR WILL BE LOCATED AT THE HIGH WATER LINE.
  - COVER SHALL BE HDPE, MODULAR AS MANUFACTURED BY LEMTEC OR AN EQUAL SYSTEM APPROVED BY THE ENGINEER.
  - THE OPERATING LIMITS FOR LAGOON #2 ARE:

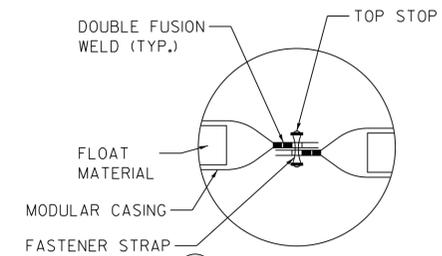
LOW LEVEL: 100.05

HIGH LEVEL: 102.05

- NOTES:
- ANCHOR CABLE IS PVC COATED 1/8" STAINLESS STEEL.
  - IF POND HAS AN EXPOSED SYNTHETIC LINER, ANCHOR CABLE & CABLE CLAMPS WILL BE ENCLOSED IN A EPDM SHEATH.



**5 PERIMETER SANDTUBE DETAIL**



**6 FASTENER DETAIL**

FILE NAME = D570A53-sht-details4.dgn  
Default

USER NAME = TKee  
DESIGNED - WWS  
DRAWN - TDK  
CHECKED - BEP  
DATE - 12-13-2013  
PLOT SCALE = 1:8000 / in.  
PLOT DATE = 12/13/2013

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

LAGOON 2  
HDPE COVER SYSTEM DETAILS

SCALE: NTS SHEET 1 OF 1 SHEETS STA. TO STA.

| F.A.I. RTE.        | SECTION                   | COUNTY  | TOTAL SHEETS | SHEET NO. |
|--------------------|---------------------------|---------|--------------|-----------|
| 55                 | FUNKS GROVE RA IMP. 2014- | MC LEAN | 17           | 13        |
| CONTRACT NO. 70A53 |                           |         |              |           |

ILLINOIS FED. AID PROJECT

