

**CAMINADA HEADLAND
BEACH AND DUNE RESTORATION
INCREMENT II (BA-143)**

APPENDIX K

**SUBSIDENCE MONITORING CONTROL
STATION TYPICAL DESIGN**

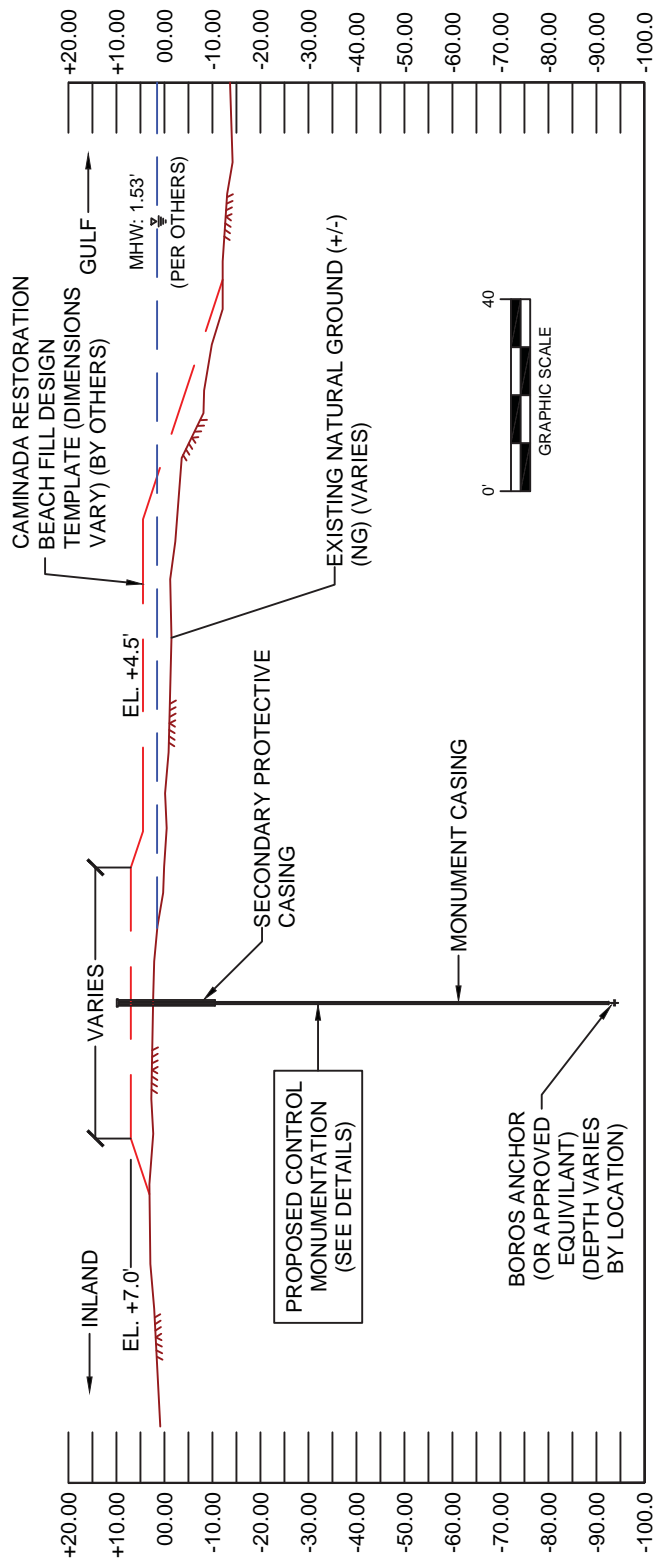
LAFOURCHE & JEFFERSON PARISHES, LOUISIANA



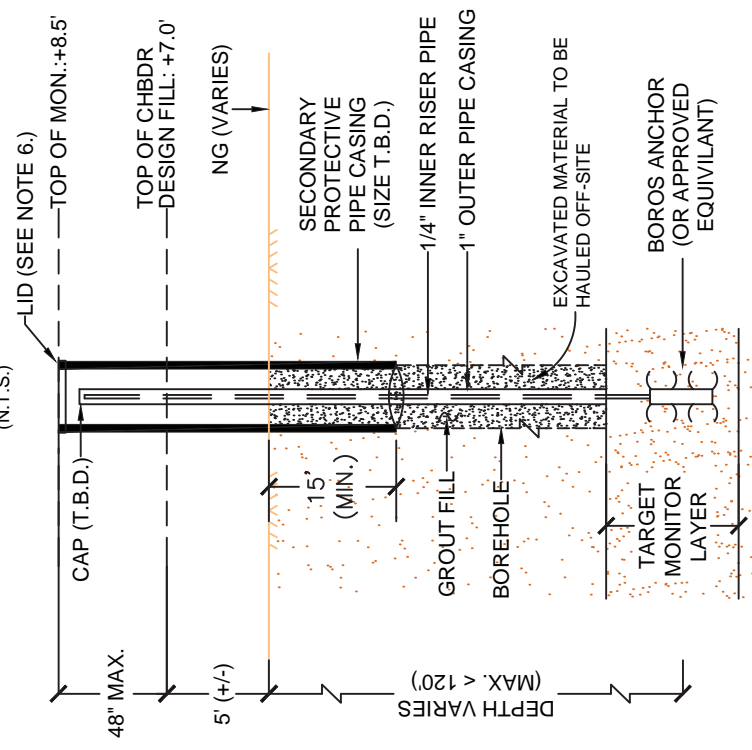
**STATE OF LOUISIANA
COASTAL PROTECTION AND RESTORATION
AUTHORITY**

MARCH 2014

CAMINADA MOREAU
 SUBSIDENCE STUDY
 LAFOURCHE PARISH, LA
 SUBSIDENCE MONITORING
 CONTROL STATION
 TYPICAL DETAIL



***CONTROL MONUMENT DETAIL**



MONUMENTATION NOTES:

1. ALL MONUMENT SPECIFICATIONS SHOWN IN DETAILS AND NOTES ARE PRELIMINARY, PENDING COMPLETION OF ANALYSIS OF PHASE 2 DATA OF THE CAMINADA MOREAU SUBSIDENCE STUDY (CMSS).
2. IT IS CURRENTLY ASSUMED AS OF THIS DATE, THAT THERE WILL BE A MINIMUM OF ONE SUBSURFACE AND ONE SURFACE MONUMENTATION SET AT EACH OF FOUR LOCATIONS ALONG THE BEACH FACE, OR A MAXIMUM OF THREE SUBSURFACE AND ONE SURFACE MONUMENTATION SET AT EACH LOCATION. SEE THE CAMINADA MOREAU SUBSIDENCE STUDY PROJECT PLANS FOR DETAILS.
3. MONUMENTS SHALL EXTEND UP TO BUT NOT GREATER THAN 48-INCHES ABOVE TOP OF PROPOSED GRADE OF CAMINADA HEADLANDS BEACH DUNE RESTORATION PROJECT (CHBDR) PROPOSED TOP OF DUNE CREST (+7.0' NAVD 88).
4. EXPOSED MONUMENT CASING TO BE PAINTED WITH ORANGE CONSTRUCTION PAINT.
5. TOP OF ANCHOR ROD, WITHIN PROTECTIVE CASING, TO BE PUNCHED, OR MARKED IN A MANNER WHERE SUBSEQUENT MEASUREMENTS CAN BE MADE FROM THE SAME POINT.
6. TOP OF MONUMENT CASING SHALL HAVE A HINGED ACCESS LID, OR OTHER EFFECTIVE MEANS OF SEALING FROM OUTSIDE ELEMENTS SUCH AS A THREADED TOP OR PVC CAP.
7. THE PROPOSED VERTICAL POSITIONAL TOLERANCE FOR THE MONUMENTS IS "SUB-CENTIMETER". FOR THE PURPOSES OF MONUMENT INSTALLATION, THE VERTICAL TOLERANCE TO BE USED WILL BE 0.0295 FEET OR AS NEAR AS PRACTICAL.
8. GBA ASSUMES NO LIABILITY FOR THE PROPOSED MONUMENTS AFTER THE TIME OF THEIR INITIAL CONSTRUCTION.

PRELIMINARY DRAFT

THIS DOCUMENT IS NOT TO BE USED FOR CONSTRUCTION, BIDDING, RECORDATION, CONVEYANCE, SALES, OR AS THE BASIS FOR THE ISSUANCE OF A PERMIT.

ENGINEER:	C. HEDDERMAN
LICENSE NO.:	(LOUISIANA) 36891
DATE:	23 JULY 2012