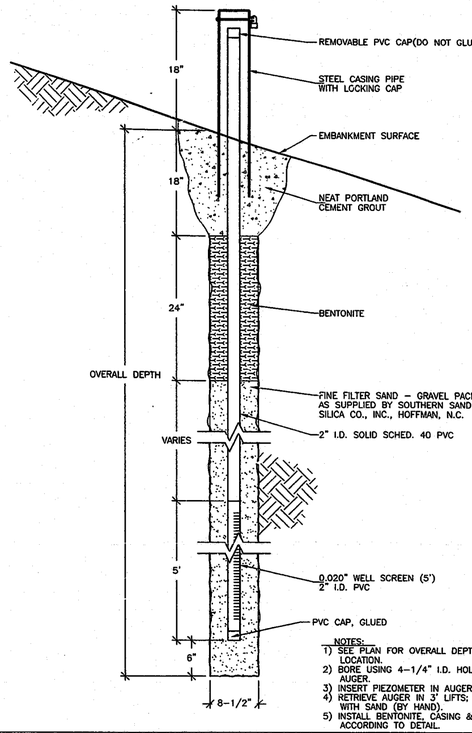
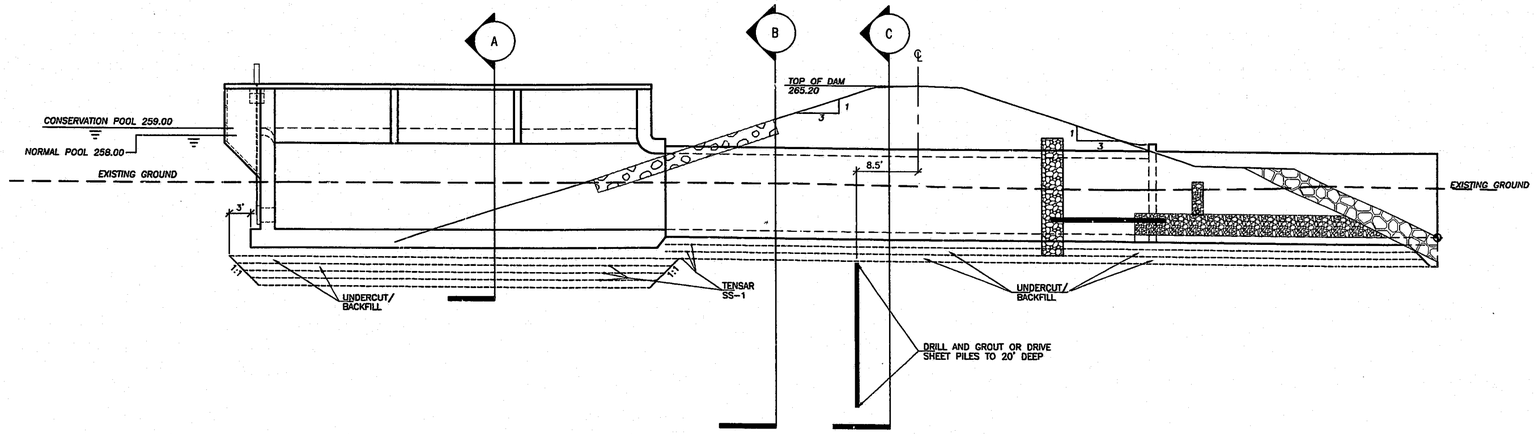
TYPICAL PIEZOMETER DETAIL

NTS



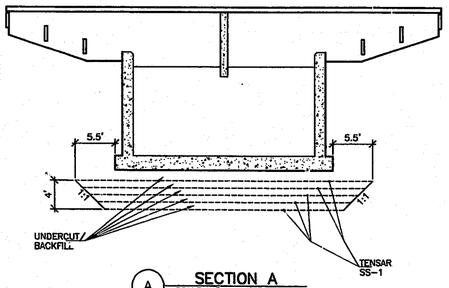
NOTES:
1) SEE PLAN FOR OVERALL DEPTH AND LOCATION.
2) BORE USING 4-1/4" I.D. HOLLOW STEM AUGER.
3) INSERT PIEZOMETER IN AUGER.
4) RETRIEVE AUGER IN 3' LIFTS; BACKFILL WITH SAND (BY HAND).
5) INSTALL BENTONITE, CASING & GROUT ACCORDING TO DETAIL.

PIEZOMETER	GROUND ELEVATION	DEPTH
A	265.00	30'
B	253.80	25'

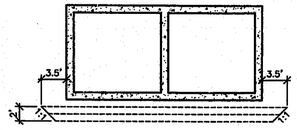


SPILLWAY FOUNDATION & SUBGRADE REQUIREMENTS

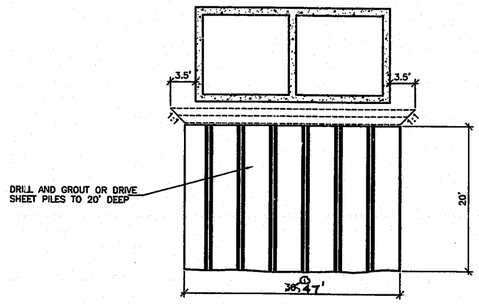
SCALE: 1" =10'



(A) SECTION A
SCALE: 1" = 10'



(B) SECTION B
SCALE: 1" = 10'



(C) SECTION C – SEEPAGE CUTOFF
SCALE: 1" =10'

SPILLWAY FOUNDATION & CUTOFF NOTES

1. DRIVE STEEL SHEET PILE OR DRILL AND GROUT (6)INCHES± BOREHOLES TO 20 FEET DEEP.
2. IF NECESSARY, UNDERCUT A MAXIMUM OF 3.0 FEET DEEP, 30 FEET WIDE UNDER THE CONCRETE SPILLWAY BOX AND A MAXIMUM OF 5.0 FEET IN AN ENLARGED AREA UNDER THE CONCRETE RISER STRUCTURE. INSPECT THE UNDERCUT AREAS AND PLACE THE INITIAL LAYER OF GEOGRID IN THE UNDERCUT AREAS. IF NECESSARY, DEWATER THE UNDERCUT AREAS BY SUMPS AND PUMPS. CONTINUE PLACING GEOGRID AND CONTROLLED FILL.
3. PLACE A LAYER OF GEOGRID IN EVERY OTHER 6 INCH COMPACTED LIFT UNDER THE CONCRETE BOX AND THE RISER.

NORTH CAROLINA PROFESSIONAL SEAL 6578 ENGINEER TENLEY DAUGHTRY

97-SP-248
APPROVED
DWR 3-2-98
TM 3-3-98

NORTH CAROLINA PROFESSIONAL SEAL 9312 ENGINEER SAMUEL F. RAVENEL

FOR CONSTRUCTION

WITHERS & RAVENEL Engineering & Surveying, Inc.
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Revisions			
No.	Description	Date	By
1	Rev. Per Dam Safety Appvl 3-4-98	3-3098	SFR

CARY GLEN DAM

SPILLWAY FOUNDATION & CUTOFF DETAILS

Designer SFR	Scale NA
Drawn By ATB	Date 1/28/98
Checked By SFR	Job No. 97014

CAD File
Sheet No. DM-14 of.