



LOCATION SKETCH

NOTES

THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE V2 AND V4 BARS ARE DETAILED WITH 1.5 FEET OF EXTRA LENGTH.

FOR TEST PIERS, SEE GEOTECHNICAL SPECIAL PROVISIONS AND SECTION 411 OF THE STANDARD SPECIFICATIONS.

FOR AXIAL LOAD TESTS, SEE AXIAL LOAD TEST SPECIAL PROVISION.

THE LOCATIONS OF AXIAL LOAD TESTS SHALL BE WITHIN A 50 FT. RADIUS FROM THE PLANNED LOCATIONS AND CONSTRUCTED FROM THE TEMPORARY WORK BRIDGE. REVISED TEST LOCATIONS MUST BE APPROVED BY THE ENGINEER.

DEPARTMENT WILL PERFORM A SPT BORING AT EACH TEST PIER LOCATION BEFORE CONSTRUCTION OF TEST PIER NO.1 AND NO.2. THE ELEVATIONS OF TEST PIER TIPS, OSTERBERG CELLS, AND STRAIN GAUGES MAY BE ADJUSTED BY THE ENGINEER AFTER SPT BORINGS ARE PERFORMED.

THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING MATERIAL QUANTITIES NECESSARY TO CONSTRUCT THE TEST PIERS.

FOR WELDING OF BARS TO THE OSTERBERG CELLS, SEE SPECIAL PROVISION.

THE "SP" SPIRAL REINFORCING STEEL SHALL BE W31 OR D31 COLD DRAWN WIRE OR #5 PLAIN OR DEFORMED BAR.

60" DIAMETER TEST PIER NO.1 SHALL EXTEND TO ELEVATION -96 FT.

48" DIAMETER TEST PIER NO.2 SHALL EXTEND TO ELEVATION -80 FT.

PERMANENT STEEL CASING IS REQUIRED FOR TEST PIER NO.1 AND NO.2. IF REQUIRED, DO NOT EXTEND PERMANENT STEEL CASING BELOW ELEVATION -15 FT WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

SPT MAY BE REQUIRED FOR TEST PIER NO.1 AND NO.2. FOR SPT TESTING, SEE SECTION 411 OF THE STANDARD SPECIFICATIONS.

POLYMER SLURRY IS REQUIRED FOR TEST PIER NO.1 AND NO.2.

SID INSPECTIONS ARE REQUIRED FOR TEST PIER NO.1 AND NO.2. FOR SID INSPECTIONS, SEE SECTION 411 OF THE STANDARD SPECIFICATIONS.

CSL TUBES AND TESTING ARE REQUIRED FOR TEST PIER NO.1 AND NO.2. FOR CSL TESTING, SEE SECTION 411 OF THE STANDARD SPECIFICATIONS.

SONIC CALIPER TESTING (SCT) IS REQUIRED FOR TEST PIER NO.1 AND NO.2. FOR SCT, SEE SONIC CALIPER TESTING SPECIAL PROVISION.

PROVIDE 34 INCH DIAMETER OSTERBERG CELL WITH A RATED O-CELL CAPACITY OF 6,000 KIPS FOR TEST PIER NO.1. INSTALL BOTTOM PLATE AT ELEVATION -87 FT.

PROVIDE 24 INCH DIAMETER OSTERBERG CELL WITH A RATED O-CELL CAPACITY OF 3,000 KIPS FOR TEST PIER NO.2. INSTALL BOTTOM PLATE AT ELEVATION -47 FT.

PUMP CONCRETE IN A PIPE TO THE BOTTOM OF THE TEST PIER NO.1 AND NO.2. THE INSIDE DIAMETER OF PIPE SHALL BE NO SMALLER THAN 6 INCHES.

THE NATURAL GROUND LINE ELEVATION SHOWN AT THE TEST PIERS IS AN APPROXIMATE GROUND LINE ELEVATION. IF THIS APPROXIMATE GROUND LINE ELEVATION IS ABOVE THE ACTUAL GROUND LINE ELEVATION, THE CONTRACTOR SHALL PLACE THE TOP OF PIER 1 FOOT BELOW THE GROUND LINE.

FOR LOAD TEST DETAILS, SEE SHEET 2 OF 2

PROJECT NO. B-4929
PENDER COUNTY
 STATION: 38+13.81 -L2-

SHEET 1 OF 2



DocuSigned by:
 David Stutts
 AA29998BC64F2

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

SUBSTRUCTURE
 AXIAL LOAD TEST

DRAWN BY : T.R. PETERSON DATE : 4/2016
 CHECKED BY : W.D. CRUTCHER DATE : 4/2016
 DESIGN ENGINEER OF RECORD: D.S. STUTTS DATE : 4/2016

DOCUMENT NOT CONSIDERED
 FINAL UNLESS ALL
 SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-210
1			3			TOTAL SHEETS
2			4			278