

182+60

182+70

182+80

182+90

183+00

183+10

w:\squad\R2514\Strand\mpatterson\Ncrosstation\R2514A_sd.qd.01.mpt

(+) 0.2640% (-) 0.4400%

PISTA. = 182+15.000 -L-MED.
EL. = 11.200
VC = 40m

GRADE DATA -L- MED.

NOTES

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.

ALL ELEVATIONS ARE IN METERS.

ASSUMED LIVE LOAD = MS 18 OR ALTERNATE LOADING.

FOR OTHER DESIGN DATA AND GENERAL NOTES, SEE SHEET SNSM.

FOR EROSION CONTROL MEASURES SEE EROSION CONTROL PLANS.

TOP-DOWN CONSTRUCTION METHODS ARE REQUIRED FOR THE CONSTRUCTION OF THIS STRUCTURE. THE USE OF TEMPORARY CAUSEWAYS OR A WORK BRIDGE WILL NOT BE PERMITTED EXCEPT AS REQUIRED FOR REMOVAL OF EXISTING STRUCTURE.

THIS BRIDGE HAS BEEN DESIGNED BY THE STRENGTH DESIGN METHOD AS SPECIFIED IN AASHTO STANDARD SPECIFICATIONS.

PILES FOR END BENT NO.1 AND 2 SHALL BE DRIVEN TO A MINIMUM BEARING CAPACITY OF 530 kN (60 TONS) EACH.

PILES AT BENTS NO.1 AND 2 SHALL BE DRIVEN TO AN ELEVATION NO HIGHER THAN 2.4m AND SATISFY THE BEARING CAPACITY OF 530 kN (60 TONS) EACH.

THE SCOUR CRITICAL ELEVATION FOR BENTS NO.1 AND 2 IS 3.5m. THE SCOUR CRITICAL ELEVATIONS ARE FOR USE BY MAINTENANCE FORCES TO MONITOR POSSIBLE SCOUR PROBLEMS DURING THE LIFE OF THE STRUCTURE.

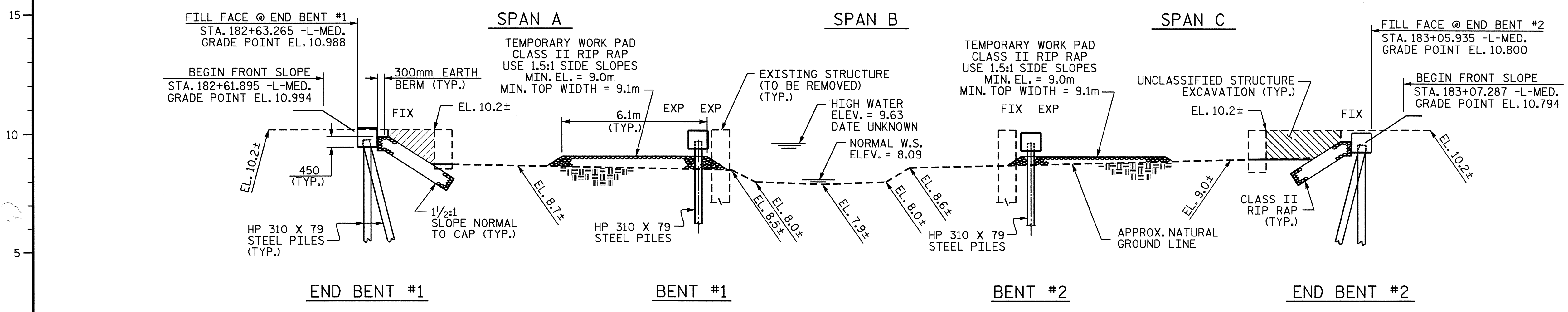
WHEN DRIVING PILES, THE MAXIMUM BLOW COUNT SHALL NOT BE EXCEEDED.

AFTER SERVING AS A TEMPORARY STRUCTURE, THE EXISTING STRUCTURE CONSISTING OF 3 SPANS, 2 @ 37'-3" & 1 @ 37'-5" WITH 25.8' CLEAR ROADWAY REINF. CONCRETE DECK AND 3" ASPHALT WEARING SURFACE WITH 4 LINES OF RC DECK GIRDERS ON RC FULL HEIGHT ABUTMENTS AND ROUND NOSE & WEB PIERS AND LOCATED AT PROPOSED STRUCTURE SHALL BE REMOVED. THE EXISTING BRIDGE IS PRESENTLY NOT POSTED FOR LOAD LIMIT. SHOULD THE STRUCTURAL INTEGRITY OF THE BRIDGE DETERIORATE DURING CONSTRUCTION OF THE PROPOSED BRIDGE, A LOAD LIMIT MAY BE POSTED AND MAY BE REDUCED AS FOUND NECESSARY DURING THE LIFE OF THE PROJECT.

REMOVAL OF THE EXISTING BRIDGE SHALL BE PERFORMED SO AS NOT TO ALLOW DEBRIS TO FALL INTO THE WATER. THE CONTRACTOR SHALL REMOVE THE BRIDGE AND SUBMIT PLANS FOR DEMOLITION IN ACCORDANCE WITH ARTICLE 402-2 OF THE STANDARD SPECIFICATIONS.

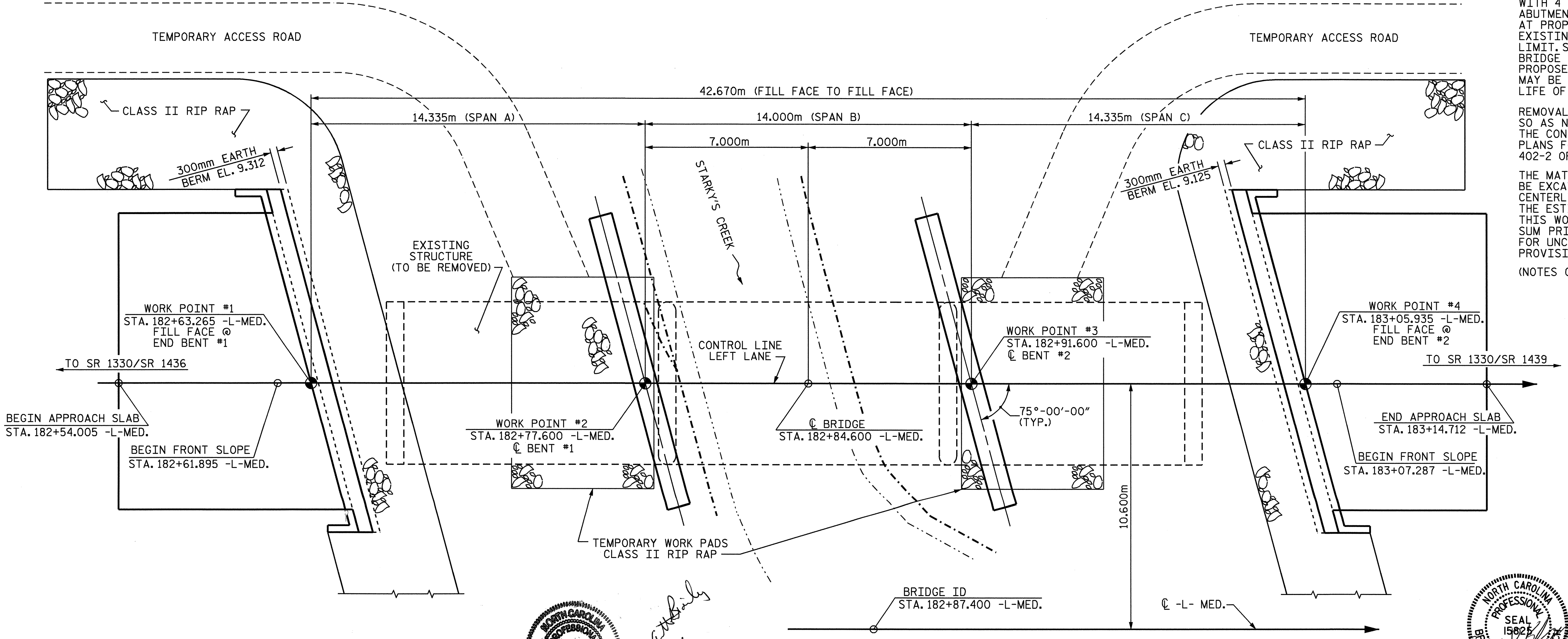
THE MATERIAL SHOWN IN THE CROSS-HATCHED AREA SHALL BE EXCAVATED FOR A DISTANCE OF 9m EACH SIDE OF CENTERLINE ROADWAY AS DIRECTED BY THE ENGINEER. THE ESTIMATED QUANTITY IS LESS THAN 380 m³. THIS WORK WILL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR UNCLASSIFIED STRUCTURE EXCAVATION. FOR UNCLASSIFIED STRUCTURE EXCAVATION, SEE SPECIAL PROVISIONS.

(NOTES CONTINUED ON SHEET 3 OF 3)



SECTION ALONG CONTROL LINE-LEFT LANE

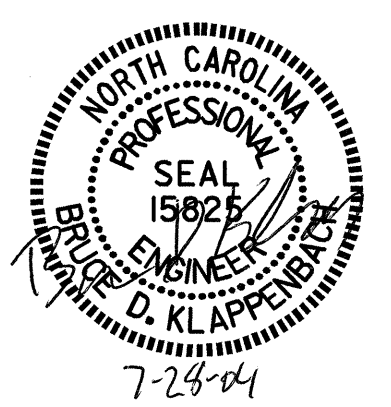
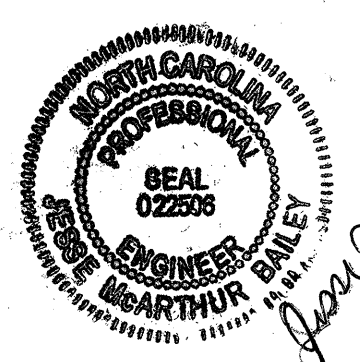
(BENTS AND END BENTS ON SECTION AT RIGHT ANGLES TO BENTS)



PLAN

(PILES NOT SHOWN FOR CLARITY)

DRAWN BY : W.D. CRUTCHER/GMP DATE : 3-03
CHECKED BY : D.A. GLADDEN DATE : 4-1-03



PROJECT NO. R-2514A
ONSLOW COUNTY
STATION: 182+87.400-L-MED.

SHEET 1 OF 3 REPLACES BRIDGE NO. 47

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
GENERAL DRAWING
FOR BRIDGE ON US 17 OVER
STARZY'S CREEK BETWEEN
SR 1330/SR 1436 AND
SR 1330/SR 1439
LEFT LANE

REVISIONS						SHEET NO.	
NO.	BY:	DATE:	NO.	BY:	DATE:	S-1	
1			3			TOTAL SHEETS	
2			4			46	