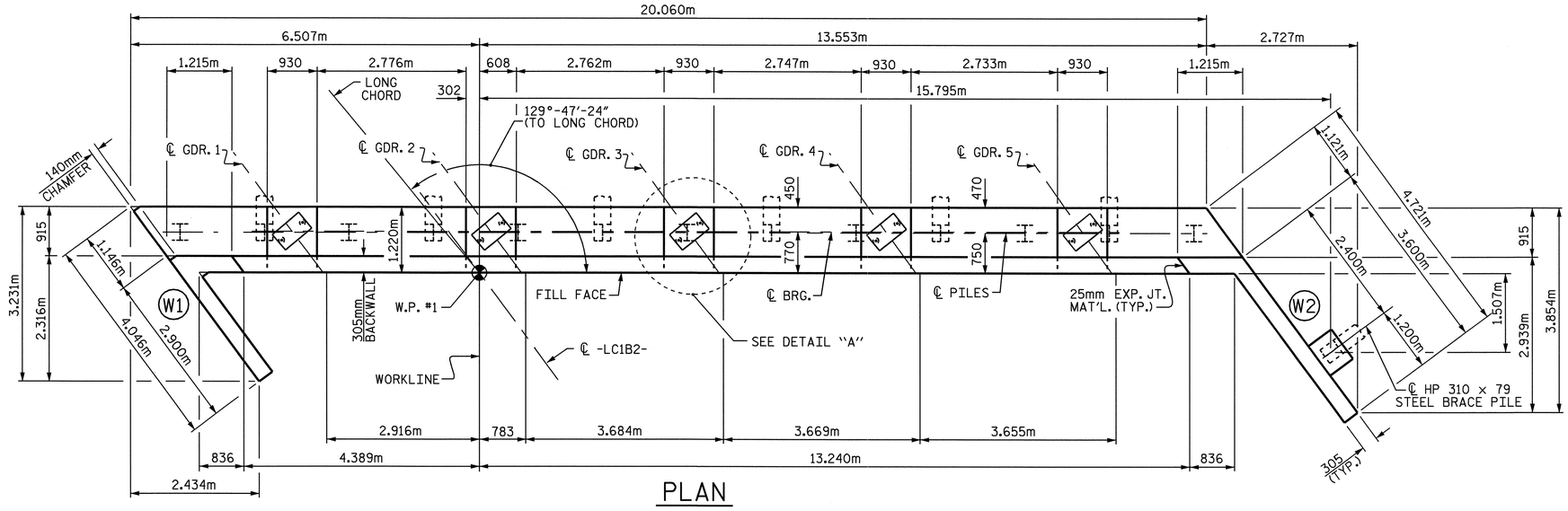
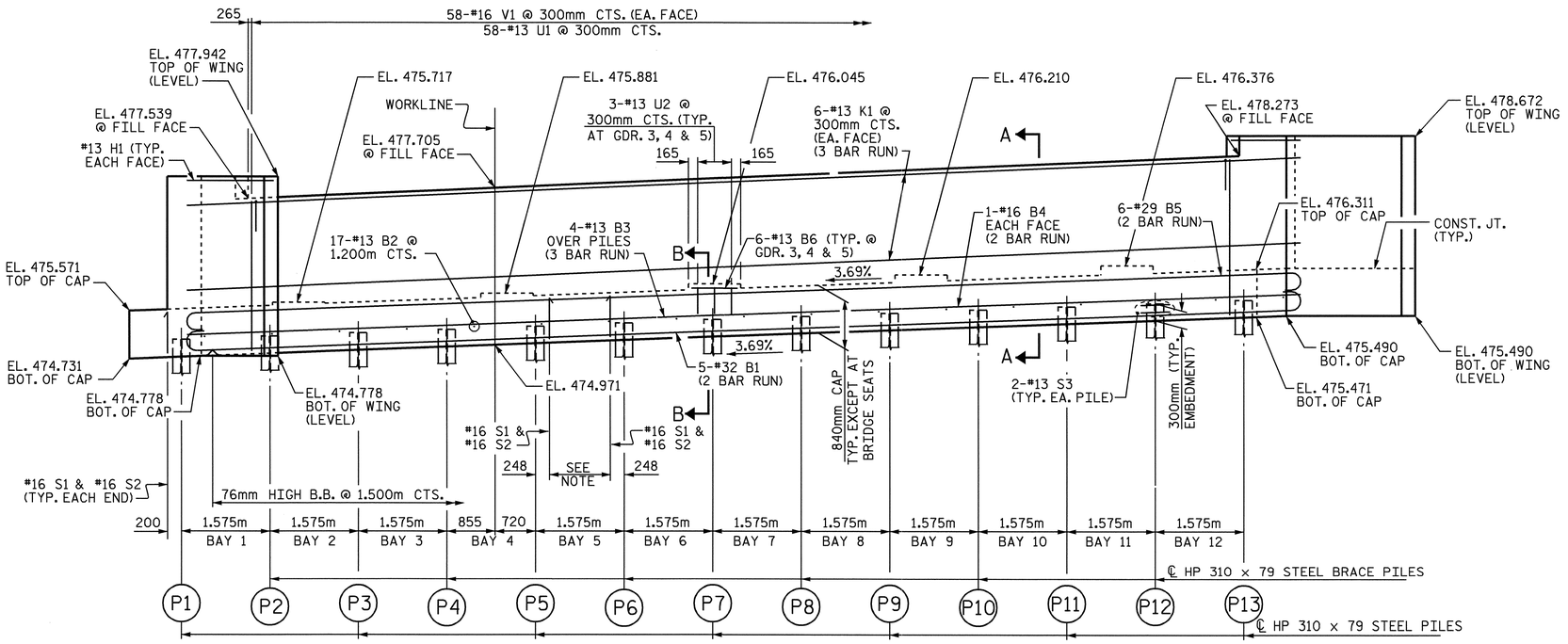


PLAN



ELEVATION

SPLICE CHART
#32 B1 SPLICE = 2420mm
#13 B3 SPLICE = 740mm
#16 B4 SPLICE = 920mm
#29 B5 SPLICE = 2670mm
#13 K1 SPLICE = 740mm

NOTE: 4-#16 S1 & #16 S2 @ 360mm CTS. BAYS 1, 3, 5-8, 10 & 12.
7-#16 S1 & #16 S2 @ 180mm CTS. BAYS 2, 4, 9 & 11.

NOTES

STIRRUPS IN CAP MAY BE SHIFTED AS NECESSARY TO CLEAR ANCHOR BOLTS.

FOR EPOXY PROTECTIVE COATING, SEE SPECIAL PROVISIONS.

FOR PIPE INSERT DETAILS, SEE "ELASTOMERIC BEARING DETAILS" SHEET.

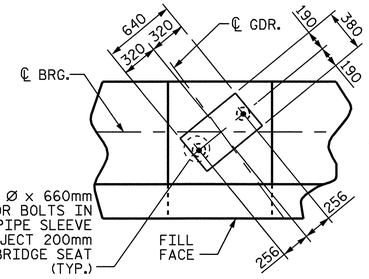
BACKWALL SHALL BE PLACED BEFORE APPLYING THE EPOXY PROTECTIVE COATING.

THE TOP SURFACE AREAS OF THE END BENT CAPS SHALL BE CURED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS EXCEPT THE MEMBRANE CURING COMPOUND METHOD SHALL NOT BE USED.

THE TOP SURFACE OF THE CAP EXCEPT THE BRIDGE SEAT BUILDUPS SHALL BE SLOPED TRANSVERSELY FROM THE FILL FACE TO THE BACK FACE AT THE RATE OF 2 %.

THE CONTRACTOR SHALL PROVIDE FOR INSTALLATION OF THE 102mm DIAMETER DRAIN PIPE THROUGH THE WING WALL AS REQUIRED FOR REINFORCED BRIDGE APPROACH FILLS, SEE THE ROADWAY PLANS. REINFORCING STEEL IN THE WING WALL MAY BE SHIFTED AS NECESSARY TO CLEAR THE DRAIN PIPE.

EPOXY COAT THE END BENT CAP AFTER ADJUSTMENTS ARE MADE TO BEARINGS AND ANCHOR BOLTS ARE GROUTED.



DETAIL "A"

TOP OF PILE ELEVATIONS	
P1	475.065
P2	475.123
P3	475.181
P4	475.239
P5	475.298
P6	475.356
P7	475.414
P8	475.472
P9	475.530
P10	475.588
P11	475.646
P12	475.704
P13	475.763
W2	475.790

PROJECT NO. R-0977A
CHEROKEE COUNTY
STATION: 18+31.299-LC1B2-

SHEET 1 OF 3

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUBSTRUCTURE

END BENT 1

NORTH CAROLINA PROFESSIONAL SEAL 21638 ENGINEER LAURA E. SUTTON
12/22/04

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-66
1			3			TOTAL SHEETS
2			4			230

STR. #2

DRAWN BY : A.S. CALLAWAY DATE : 6/18/04
CHECKED BY : J.P. ADAMS DATE : 9/23/04

20-DEC-2004 16:45
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