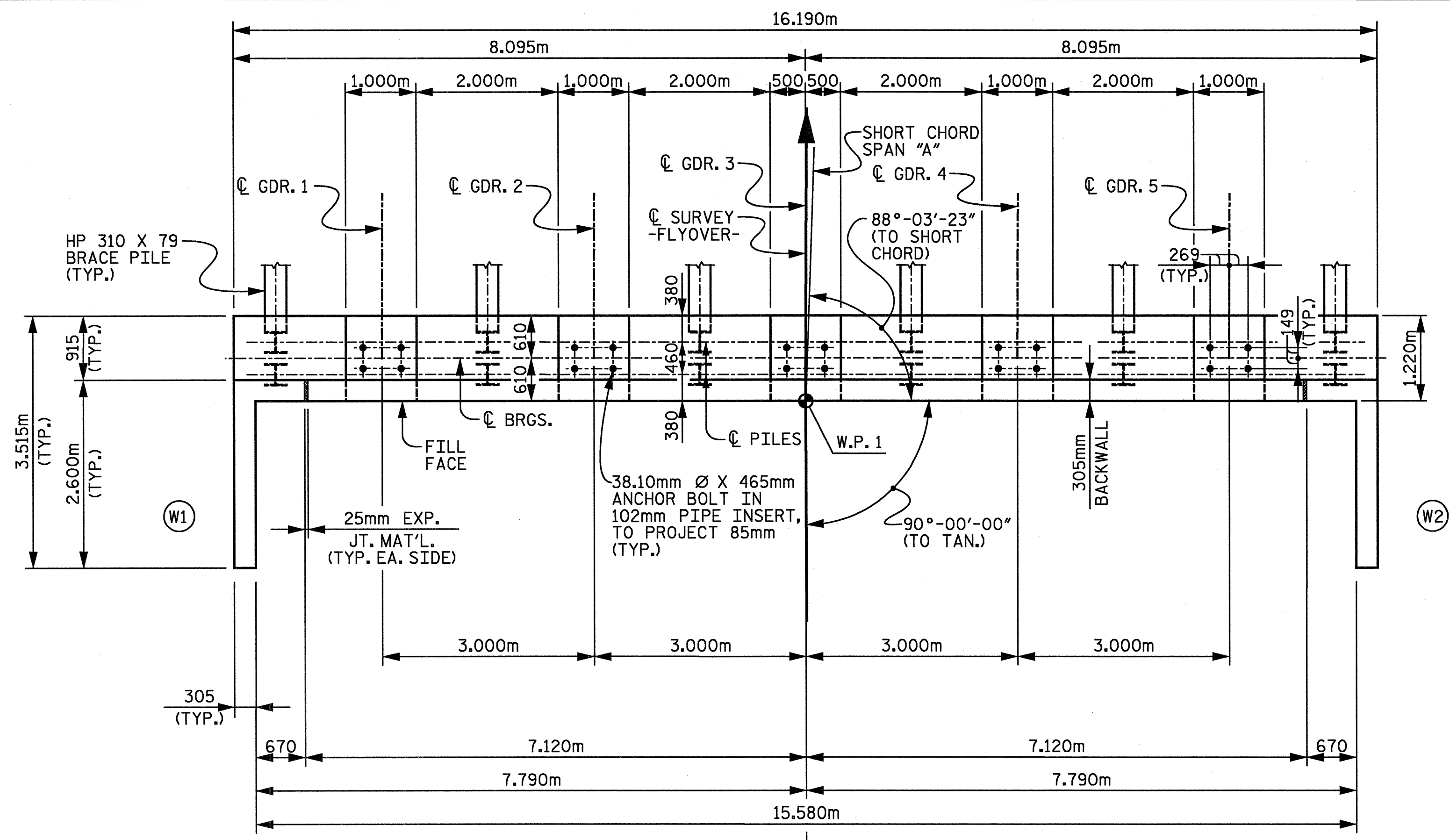
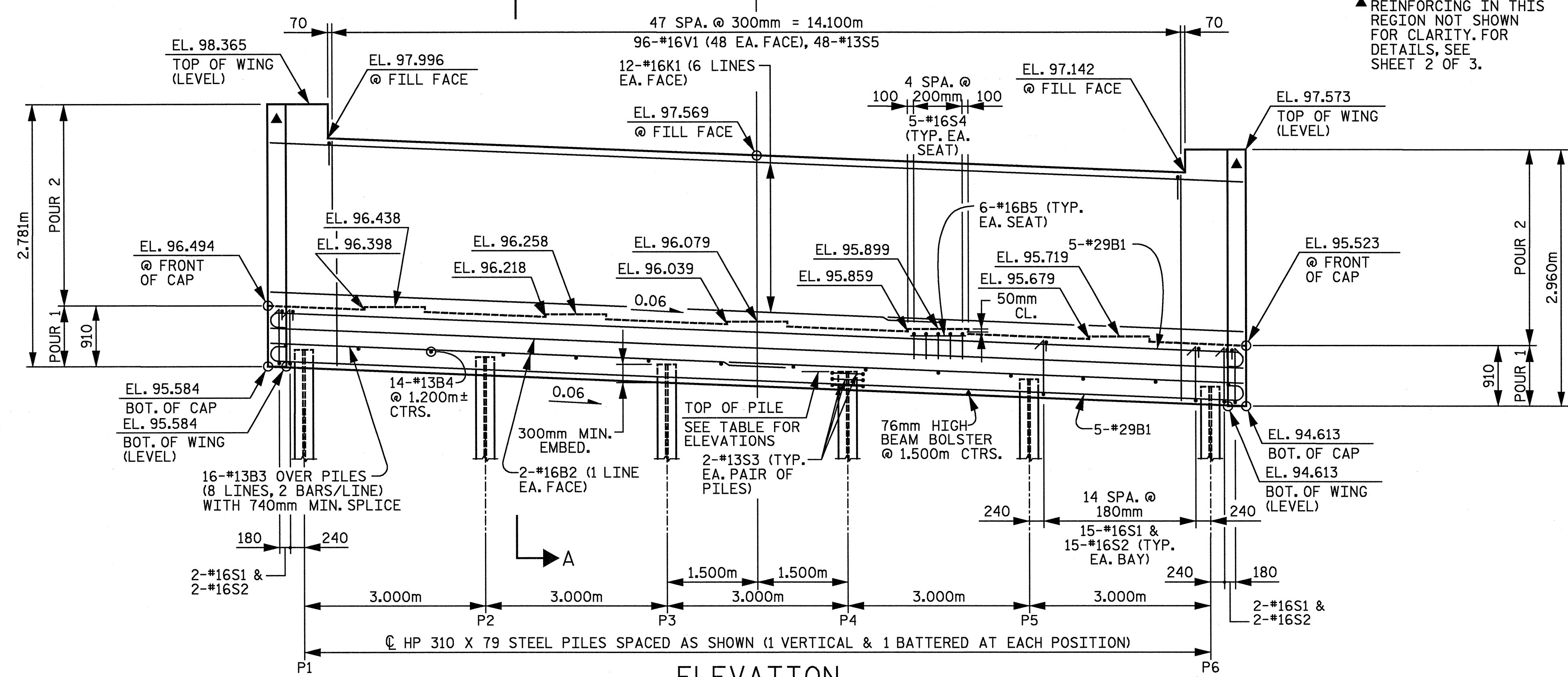


02/23/2005 10:30:41 AM m:\proj\3109-300\station\struct\find\3109-300-end\_bent\_1.dwg david.lowe



PLAN



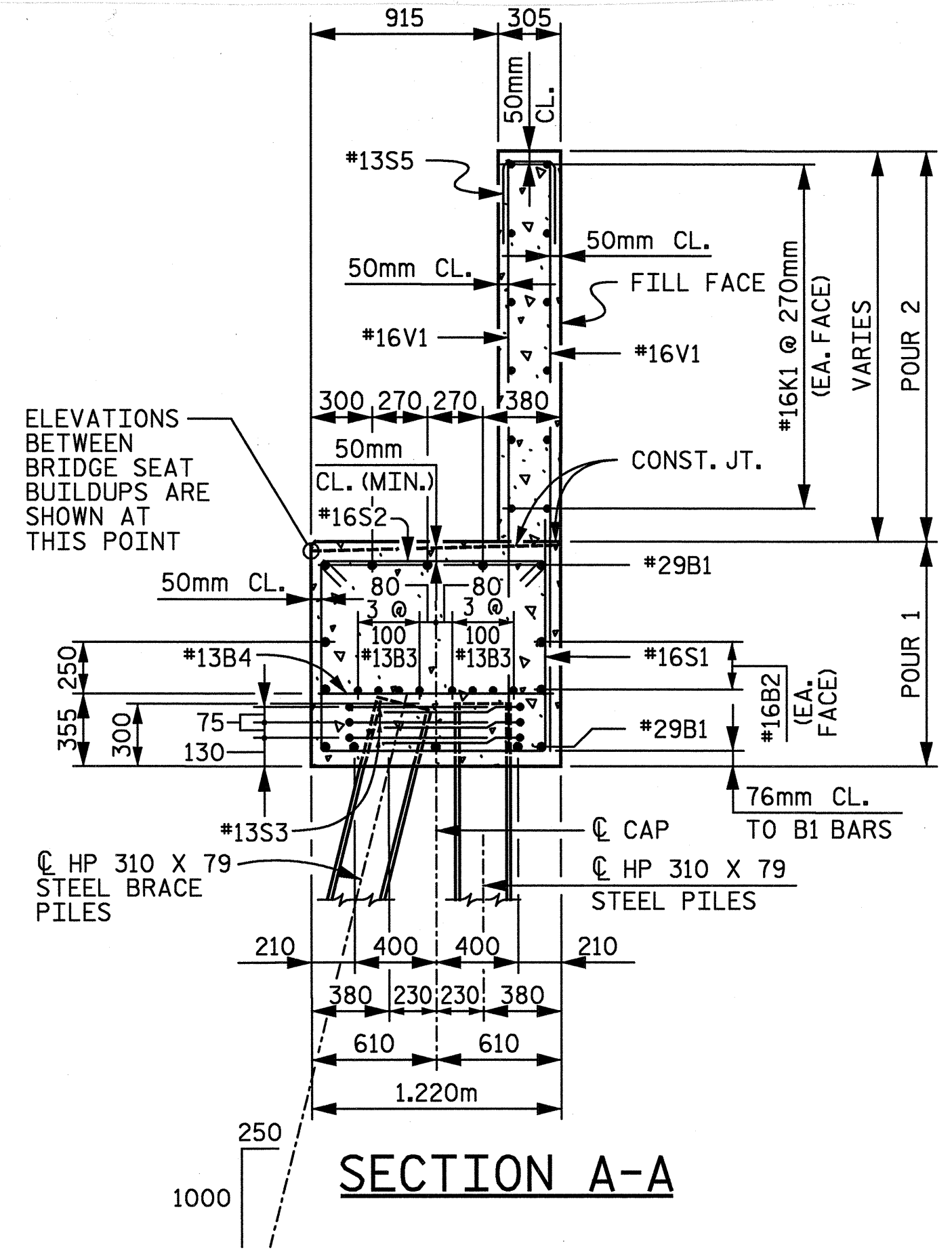
ELEVATION

(LOOKING IN DIRECTION OF STATION)

▲ REINFORCING IN THIS REGION NOT SHOWN FOR CLARITY. FOR DETAILS, SEE SHEET 2 OF 3.

NOTES:

- STIRRUPS IN CAP MAY BE SHIFTED AS NECESSARY TO CLEAR PIPE INSERTS.
- FOR EPOXY PROTECTIVE COATING, SEE SPECIAL PROVISIONS.
- BACKWALL SHALL BE PLACED BEFORE APPLYING THE EPOXY PROTECTIVE COATING.
- THE TOP SURFACE AREAS OF THE END BENT CAP SHALL BE CURED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS EXCEPT THAT 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 FRONT FACE AT THE RATE OF 2%.
- FOR PIPE INSERT DETAILS, SEE "POT BEARING DETAILS" SHEETS.
- PILES SHALL BE DRIVEN TO A MINIMUM BEARING CAPACITY OF 530 KN EACH.
- WHEN DRIVING PILES, THE MAXIMUM BLOW COUNT SHALL NOT BE EXCEEDED.
- FOR OTHER NOTES, SEE "GENERAL DRAWING LOCATION SKETCH, GENERAL NOTES AND TOTAL BILL OF MATERIAL" SHEET.
- THE CONTRACTOR SHALL PROVIDE FOR INSTALLATION OF THE 102mm Ø DRAIN PIPE THROUGH THE WING WALLS AS REQUIRED FOR REINFORCED BRIDGE APPROACH FILLS; SEE ROADWAY PLANS. REINFORCING STEEL IN THE WING WALLS MAY BE SHIFTED AS NECESSARY TO CLEAR THE DRAIN PIPE.

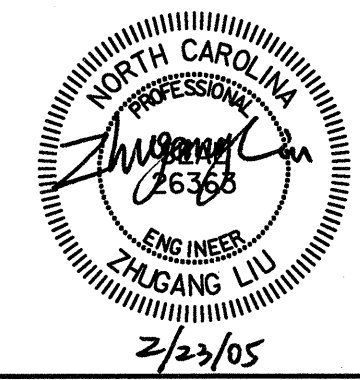
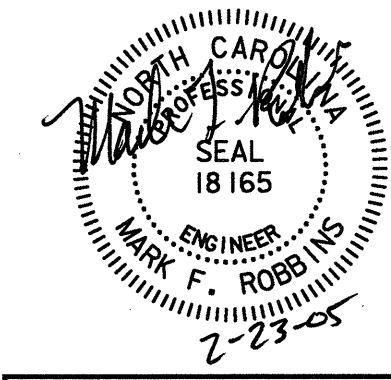


SECTION A-A

TOP OF PILE ELEVATIONS	
PILE	ELEVATION
P1	95.858
P2	95.678
P3	95.498
P4	95.318
P5	95.138
P6	94.958

PROJECT No R-252C  
 JOHNSTON COUNTY  
 STATION: POS 16+52.599 -Y4- =  
 POC 9+28.021 -FLYOVER-

SHEET 1 OF 3



**W** RALPH WHITEHEAD ASSOCIATES, INC.  
 CONSULTING ENGINEERS  
 P.O. BOX 35624 CHARLOTTE, N.C. 28235

DRAWN BY LGH DATE: 10-04 DWG. NO.  
 CHECKED BY TVR DATE: 12-04 D-1748.23

REVISIONS	
NO.	DATE
1	
2	
3	
4	

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

**END BENT 1**

SHEET NO. 5-418  
 TOTAL SHEETS 431