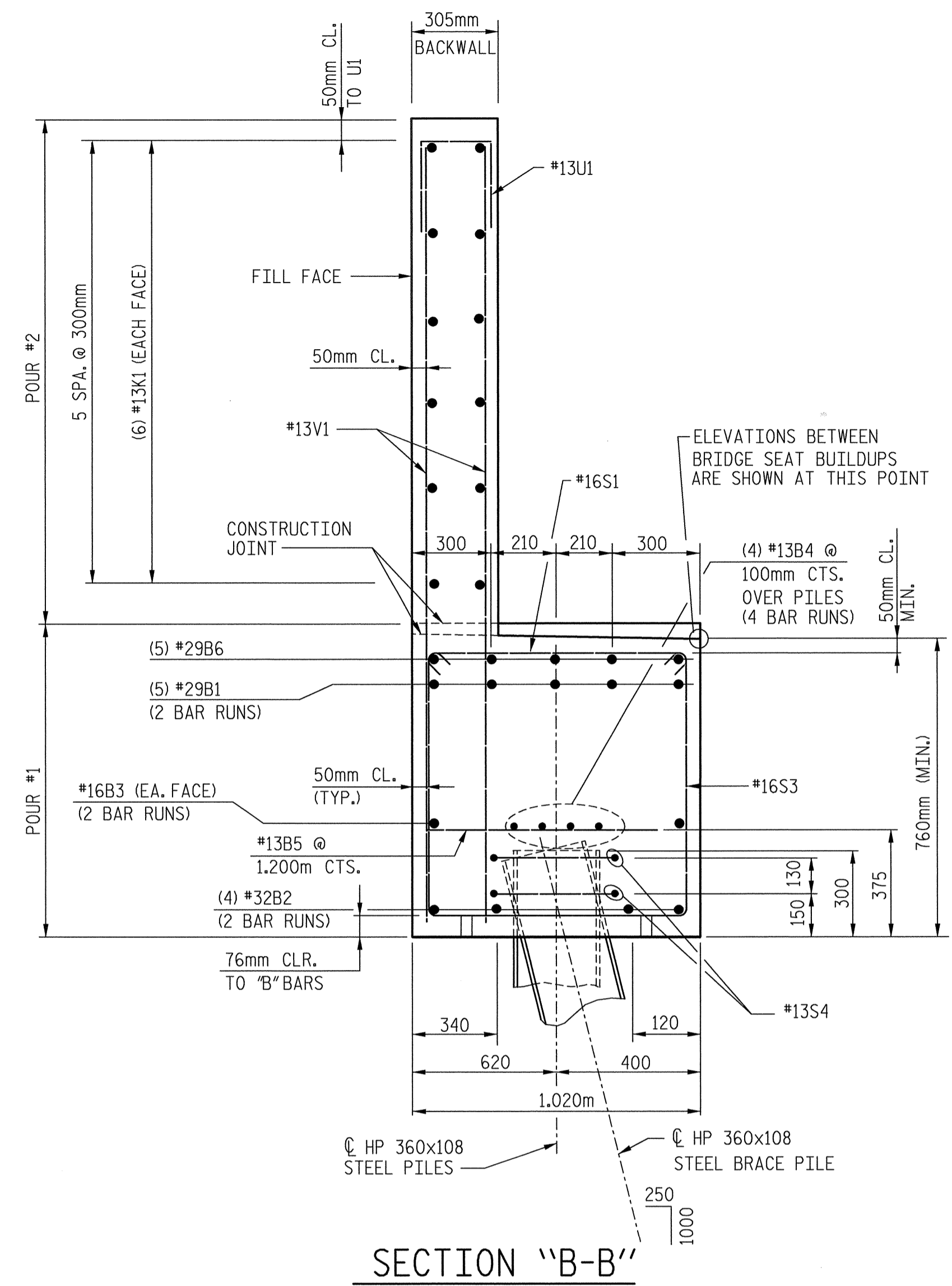
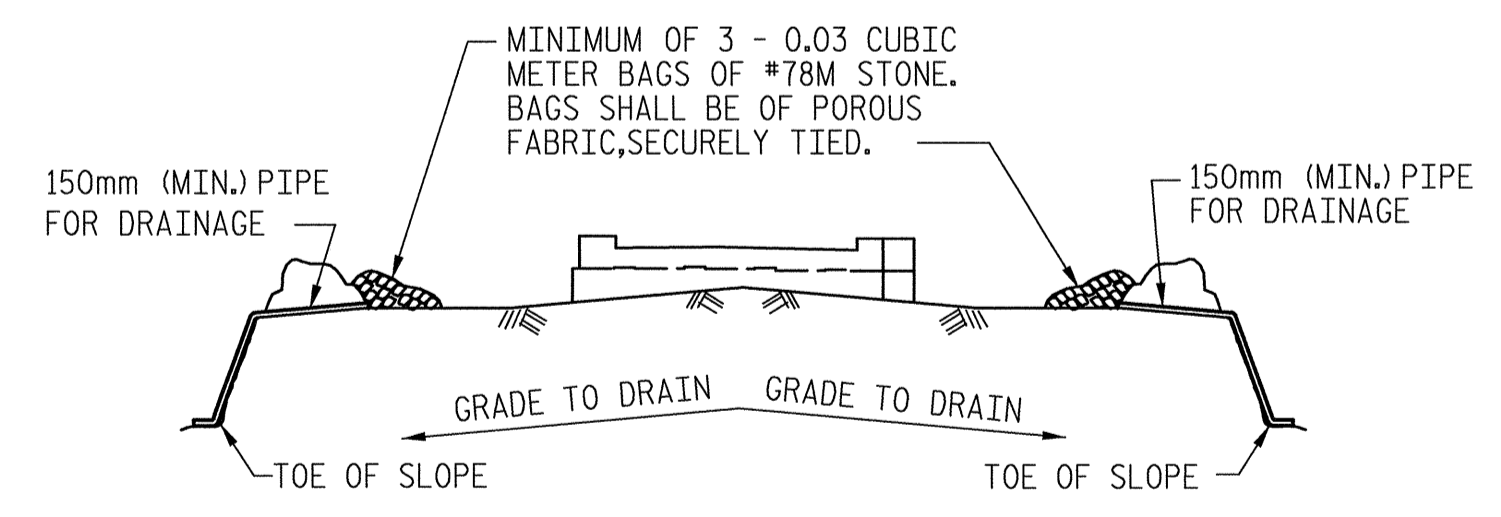


SECTION "A-A"



SECTION "B-B"

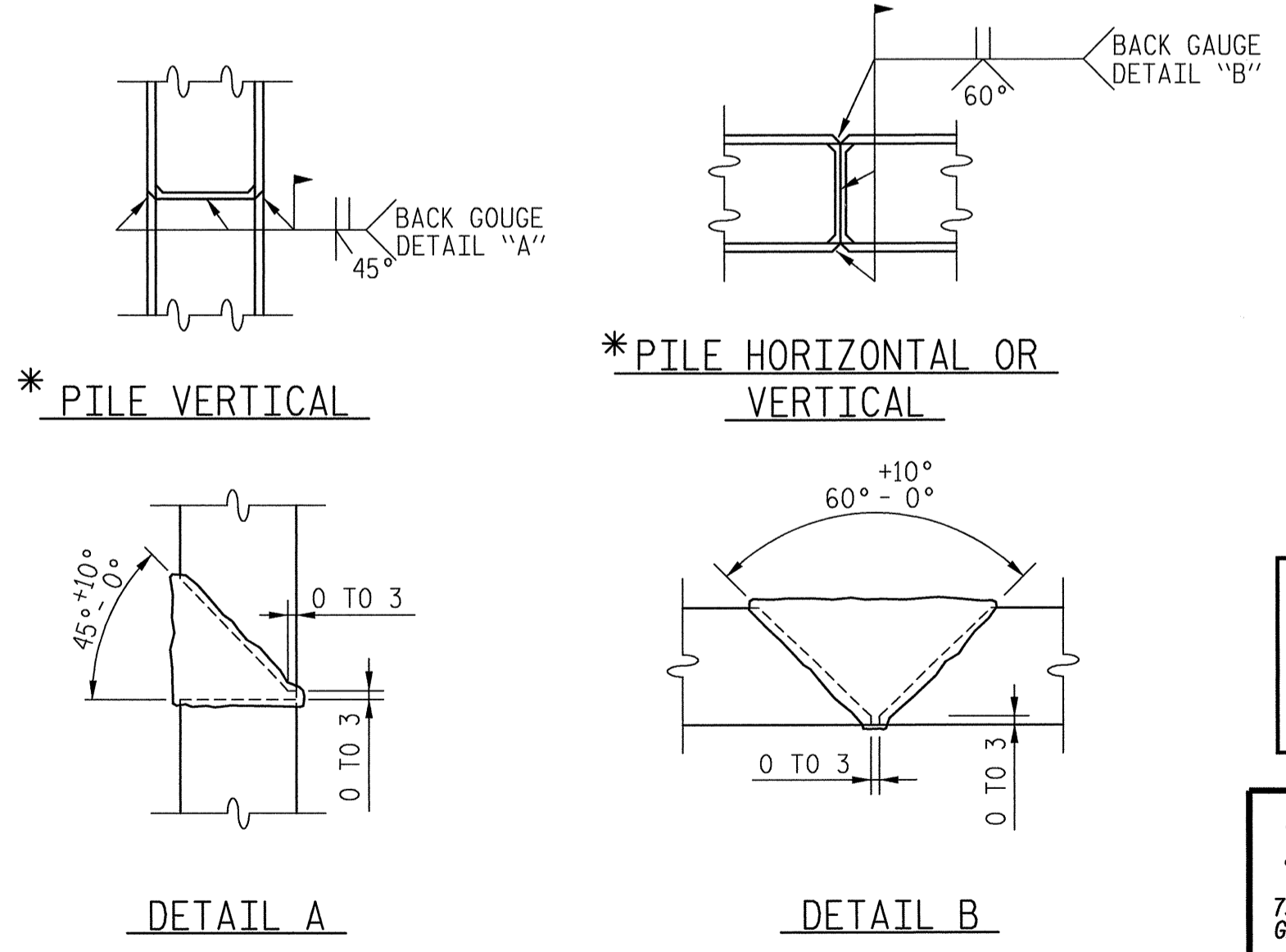
BAR TYPES		BILL OF MATERIAL				
ALL BAR DIMENSIONS ARE OUT TO OUT.		END BENT #2				
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	
B1	10	#29	4	14940	756	
B2	8	#32	4	14860	761	
B3	4	#16	STR.	13680	85	
B4	16	#13	STR.	7160	114	
B5	22	#13	STR.	920	20	
B6	5	#29	STR.	11820	299	
H1	10	#13	6	4780	48	
H2	10	#13	6	4860	48	
H3	8	#13	STR.	960	8	
H4	10	#13	5	4980	50	
H5	10	#13	5	4900	49	
K1	48	#13	STR.	7180	343	
S1	79	#16	2	1200	147	
S2	43	#16	1	2500	167	
S3	36	#16	1	2720	152	
S4	24	#13	7	2300	55	
S5	6	#19	8	1140	15	
S6	2	#19	9	2740	12	
U1	82	#13	3	1300	106	
V1	164	#16	STR.	2400	611	
V2	38	#16	STR.	2860	169	
V3	38	#16	STR.	2800	165	
REINFORCING STEEL (kg.)				4180		
CLASS A CONCRETE BREAKDOWN						
POUR #1 (CAP AND WINGS)				(m <sup>3</sup> )	26.2	
POUR #2 (BACKWALL AND WINGS)				(m <sup>3</sup> )	21.0	
TOTAL CLASS A CONCRETE				(m <sup>3</sup> )	47.2	
HP 360x108 STEEL PILES						
TOTAL NO. = 14				LIN. METERS = 305.0		



BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

BAGGED STONE SHALL REMAIN IN PLACE UNTIL THE ENGINEER DIRECTS THAT IT BE REMOVED. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF SILT ACCUMULATIONS AT BAGGED STONE WHEN SO DIRECTED BY THE ENGINEER. BAGS SHALL BE REMOVED AND REPLACED WHENEVER THE ENGINEER DETERMINES THAT THEY HAVE DETERIORATED AND LOST THEIR EFFECTIVENESS.

NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK AND THE ENTIRE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT CONTRACT PRICE BID FOR THE SEVERAL PAY ITEMS.

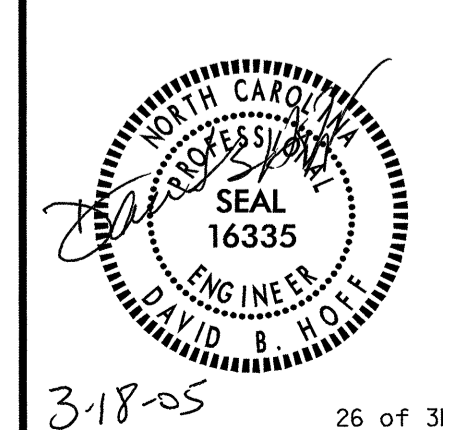


PILE SPLICE DETAILS

PROJECT NO. R-2552AB  
 JOHNSTON COUNTY  
 STATION: 52+34.693 -L- = 18+60.011 -Y2-



TRANSYSTEMS CORPORATION  
 75 Beattie Place, Suite 400  
 Greenville, SC 29601 (864) 234-0866



STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
 SUBSTRUCTURE  
 END BENT #2  
 DETAILS

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	5-424
1			3			TOTAL SHEETS
2			4			429

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 3/17/2005 10:15:43 AM  
 DRAWN BY: J.C. PENDERGRAFT DATE: 11/01  
 CHECKED BY: D.B. HOFF DATE: 12/01