

BILL OF MATERIAL					
BAR NO.	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	8	#9		48'-3"	1312
B2	6	#5	STR	45'-11"	287
B3	11	#4	STR	3'-2"	23
B4	4	#4	STR	19'-4"	52
B5	8	#4	STR	24'-2"	129
H1	24	#4		15'-7"	250
H2	44	#6		14'-8"	969
K1	42	#4	STR	3'-6"	98
S1	54	#4		11'-2"	403
S2	54	#4		3'-11"	141
S3	24	#4		6'-6"	104
S4	3	#6		5'-3"	24
S5	3	#6		10'-1"	45
U1	13	#4		6'-2"	54
V1	66	#4	STR	6'-6"	287
V2	40	#5	STR	11'-3"	469
V3	36	#5	STR	10'-6"	394

REINFORCING STEEL = 5041 LBS.

CLASS AA CONCRETE

POUR #1 (CAP, CON. COLLARS, & LOWER PART OF WINGS) = 31.7 C.Y.

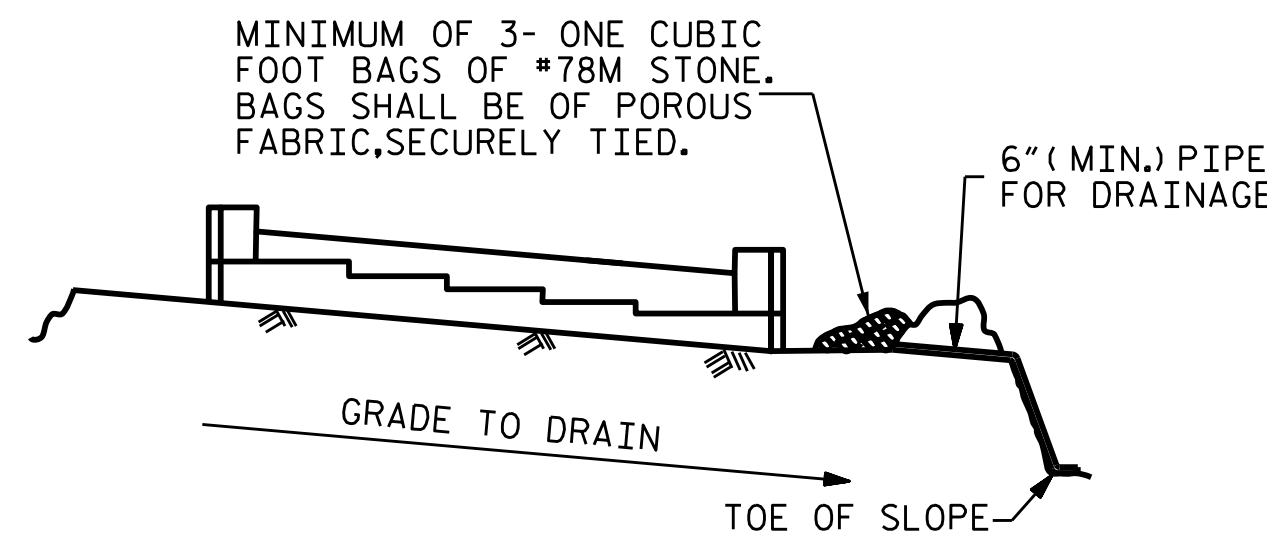
POUR #2 (UPPER PART OF WINGS) = 8.7 C.Y.

TOTAL = 40.4 C.Y.

HP 12 X 53 STEEL PILES

No. 7 _____ LIN FT. 175

PILE DRIVING EQUIPMENT SETUP FOR HP 12 X 53 STEEL PILES _____ 7 EA.

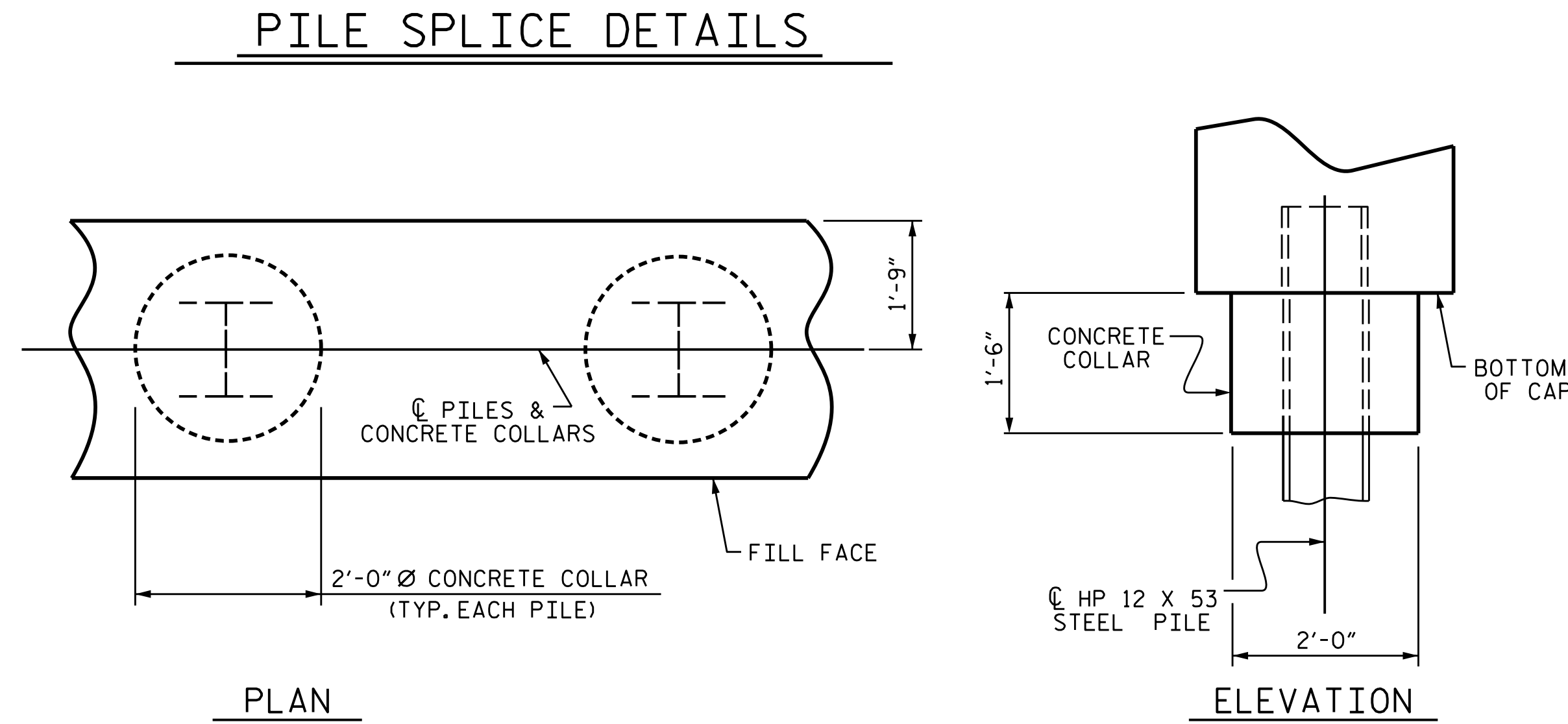


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

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.

TEMPORARY DRAINAGE AT END BENT



CORROSION PROTECTION FOR STEEL PILES DETAIL

PROJECT NO. BR-0048

SURRY COUNTY

STATION: 18+50.00 -L-

SHEET 3 OF 3



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

**SUBSTRUCTURE
INTEGRAL
END BENT 1**

DRAWN BY: M. G. SHAIKH DATE: 10/2020
CHECKED BY: K. PUROHIT DATE: 02/2021
DESIGN ENGINEER OF RECORD: J. A. T. DATE: 07/2020

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-23
1			3			TOTAL SHEETS
2			4			33