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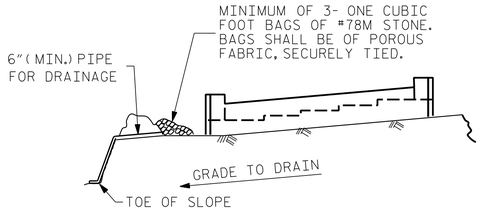
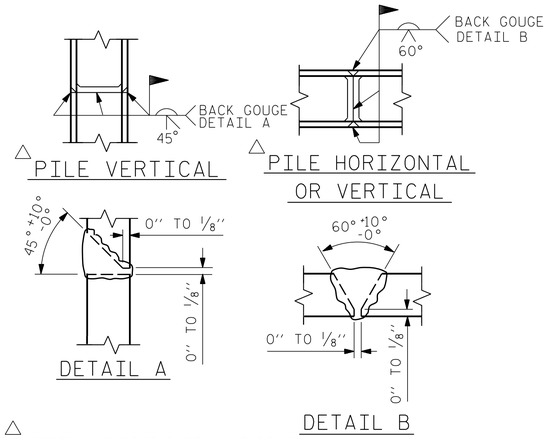


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

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.

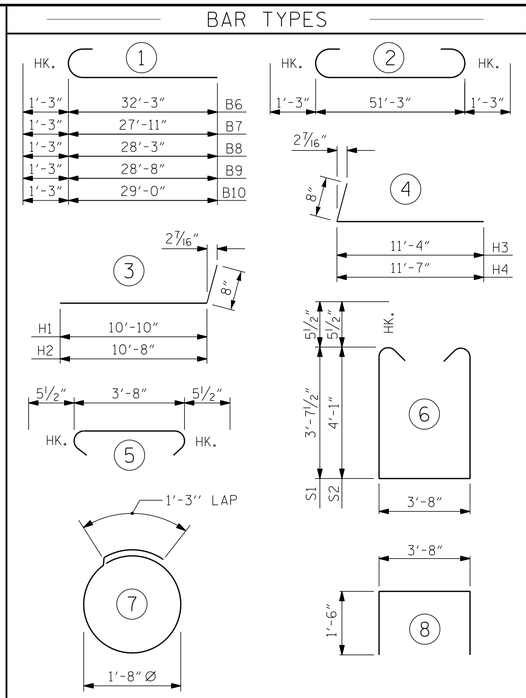
NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK AND THE ENTIRE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT CONTRACT PRICE BID FOR THE SEVERAL PAY ITEMS.

TEMPORARY DRAINAGE AT END BENT



△ POSITION OF PILE DURING WELDING.

PILE SPLICE DETAILS



ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL

END BENT No. 2

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	4	#9	2	53'-9"	731
B2	8	#4	STR	27'-0"	144
B3	6	#5	STR	51'-5"	322
B4	15	#4	STR	3'-8"	37
B5	2	#5	STR	22'-4"	47
B6	4	#9	1	33'-6"	456
B7	1	#9	1	29'-2"	99
B8	1	#9	1	29'-6"	100
B9	1	#9	1	29'-11"	102
B10	1	#9	1	30'-3"	103
B11	1	#4	STR	9'-7"	6
B12	1	#4	STR	9'-11"	7
B13	1	#4	STR	10'-5"	7
B14	1	#4	STR	10'-8"	7
H1	21	#5	3	11'-6"	252
H2	21	#5	3	11'-4"	248
H3	23	#5	4	12'-0"	288
H4	23	#5	4	12'-3"	294
H5	52	#4	STR	3'-10"	133
S1	22	#5	6	11'-10"	272
S2	28	#5	6	12'-9"	372
S3	50	#5	5	4'-7"	239
S4	36	#4	7	6'-6"	156
U1	7	#4	8	6'-8"	31
V1	50	#4	STR	5'-9"	192
V2	32	#5	STR	10'-2"	339
V3	32	#5	STR	11'-3"	375

REINFORCING STEEL 5,359 LBS.

CLASS A CONCRETE BREAKDOWN

POUR #1 CAP, CONC. COLLARS & LOWER PART OF WINGS 39.2 C.Y.

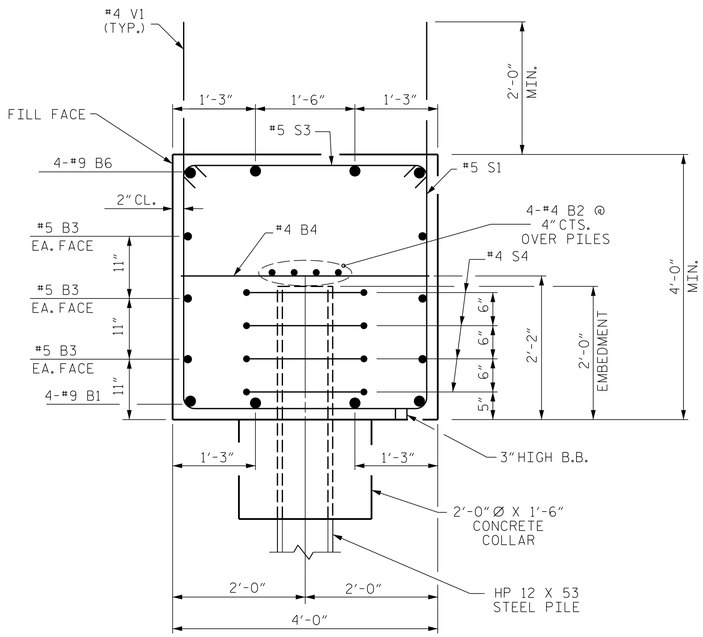
POUR #2 UPPER PART OF WINGS 7.0 C.Y.

TOTAL CLASS A CONCRETE 46.2 C.Y.

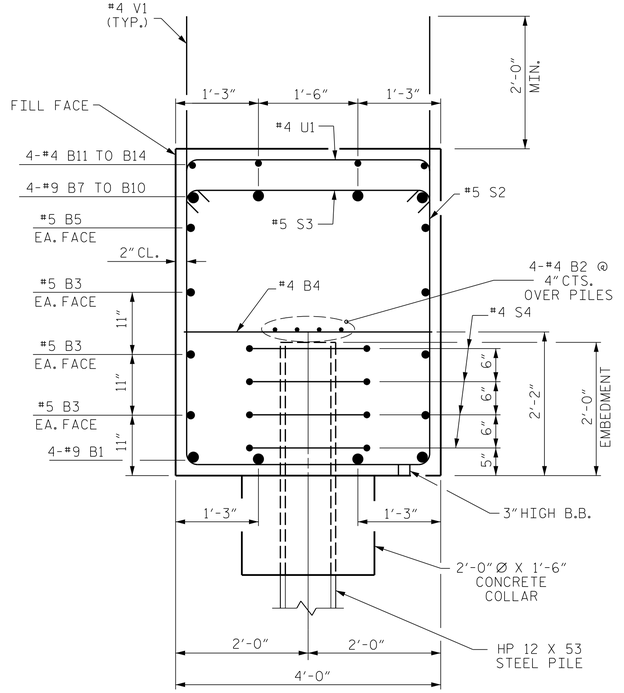
HP 12 X 53 STEEL PILES

NO: 9 LIN. FT.= 900.0

PILE DRIVING EQUIPMENT SETUP FOR HP 12 X 53 STEEL PILES 9 EA.



SECTION A-A



SECTION B-B

PROJECT NO. R-5719

WAYNE COUNTY

STATION: 39+11.12 -L-

SHEET 3 OF 3

ENGINEER OF RECORD

NORTH CAROLINA PROFESSIONAL SEAL 14091 ENGINEER 8/17/2017 BUCK CHARLES HUNT

DocuSigned by: Buck Charles Hunt 2F15C8307384AEC...

ETHERILL ENGINEERING

1223 Jones Franklin Rd.
Raleigh, N.C. 27606
Bus: 919 851 8077
Fax: 919 851 8107
LICENSE NO. F-0377

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUBSTRUCTURE
END BENT No. 2
(LEFT LANE)

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S01-22
1			3			TOTAL SHEETS
2			4			26

DRAWN BY : D. HODGE DATE : 2/16

CHECKED BY : J. DILWORTH DATE : 2/16

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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