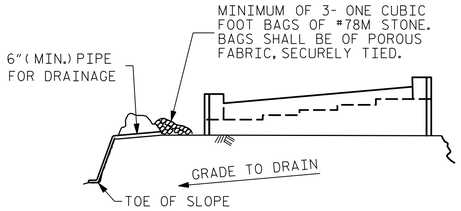
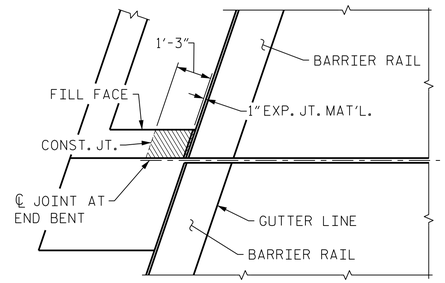


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

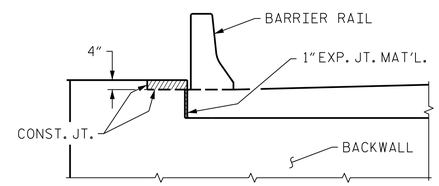
BAGGED STONE SHALL REMAIN IN PLACE UNTIL THE ENGINEER DIRECTS THAT IT BE REMOVED. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF SILT ACCUMULATIONS AT BAGGED STONE WHEN SO DIRECTED BY THE ENGINEER. BAGS SHALL BE REMOVED AND REPLACED WHENEVER THE ENGINEER DETERMINES THAT THEY HAVE DETERIORATED AND LOST THEIR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



PLAN

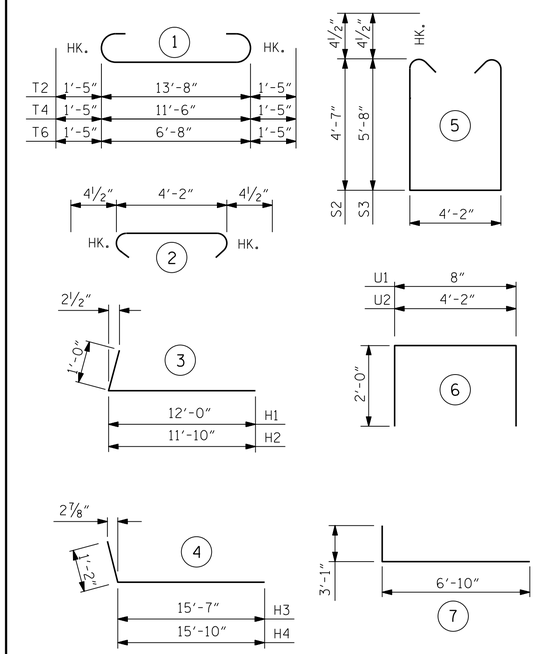


ELEVATION

BLOCKOUT IN WING WALL

NOTE: THE CONCRETE IN THE SHADED AREA OF THE WING SHALL BE POURED AFTER THE BARRIER RAIL IS CAST IF SLIP FORMING IS USED.

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL
END BENT 2

BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
B1	8	#9	STR	49'-11"	1358
B2	1	#9	STR	26'-9"	91
B3	1	#9	STR	26'-8"	91
B4	1	#9	STR	26'-5"	90
B5	1	#9	STR	26'-3"	89
B6	1	#9	STR	26'-0"	88
B7	1	#9	STR	25'-11"	88
B8	8	#5	STR	49'-11"	417
B9	12	#4	STR	9'-4"	75
B10	1	#4	STR	7'-9"	5
B11	1	#4	STR	7'-7"	5
B12	1	#4	STR	7'-4"	5
B13	1	#4	STR	7'-2"	5
B14	1	#4	STR	7'-0"	5
B15	1	#4	STR	6'-11"	5
B16	6	#4	STR	4'-2"	17
H1	19	#6	3	13'-0"	371
H2	19	#6	3	12'-10"	366
H3	12	#7	4	16'-9"	411
H4	12	#7	4	17'-0"	417
H5	11	#7	STR	19'-2"	431
H6	11	#7	STR	19'-5"	437
K1	28	#4	STR	26'-2"	489
K2	8	#4	STR	2'-9"	15
S1	49	#4	2	4'-11"	161
S2	24	#4	5	14'-1"	226
S3	25	#4	5	16'-3"	271
T1	95	#6	STR	13'-8"	1950
T2	95	#10	1	16'-6"	6745
T3	4	#6	STR	11'-6"	69
T4	4	#10	1	14'-4"	247
T5	4	#6	STR	6'-8"	40
T6	4	#10	1	9'-6"	164
T7	28	#6	STR	49'-11"	2099
U1	45	#4	6	4'-8"	140
U2	21	#4	6	8'-2"	115
V1	90	#6	STR	10'-10"	1464
V2	90	#6	7	9'-11"	1341
V3	40	#5	STR	12'-4"	515
V4	40	#5	STR	14'-10"	619

REINFORCING STEEL LBS. 21,537

CLASS A CONCRETE:
POUR #1 - FOOTING C.Y. 65.2
POUR #2 - CAP AND LOWER WINGS C.Y. 57.8
POUR #3 - BACKWALL AND UPPER WINGS C.Y. 22.5

CLASS A CONCRETE C.Y. 145.5

PROJECT NO. U-2579B
FORSYTH COUNTY
STATION: 52+94.28 -Y4RPBD-

SHEET 5 OF 5

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUBSTRUCTURE
END BENT 2

DESIGNED BY: J. SHERMAN DATE: APR. 2014
DRAWN BY: J. SHERMAN DATE: APR. 2014
CHECKED BY: J. BORUTA DATE: APR. 2014
DESIGN ENGINEER OF RECORD: J. DOUGHTY DATE: MAY 2014

PARSONS BRINCKERHOFF
434 FAYETTEVILLE STREET
SUITE 1500
RALEIGH, NC 27601
LICENSE NO. F-0165

NORTH CAROLINA PROFESSIONAL SEAL 032967 ENGINEER JASON R. DOUGHTY
DocuSigned by: 6/2/2014
Jason R Doughty
00F1C86448274F7...

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-623
1			3			TOTAL SHEETS
2			4			707

STR. #16

6/2/2014
173498C_SD_EB_1625.dgn