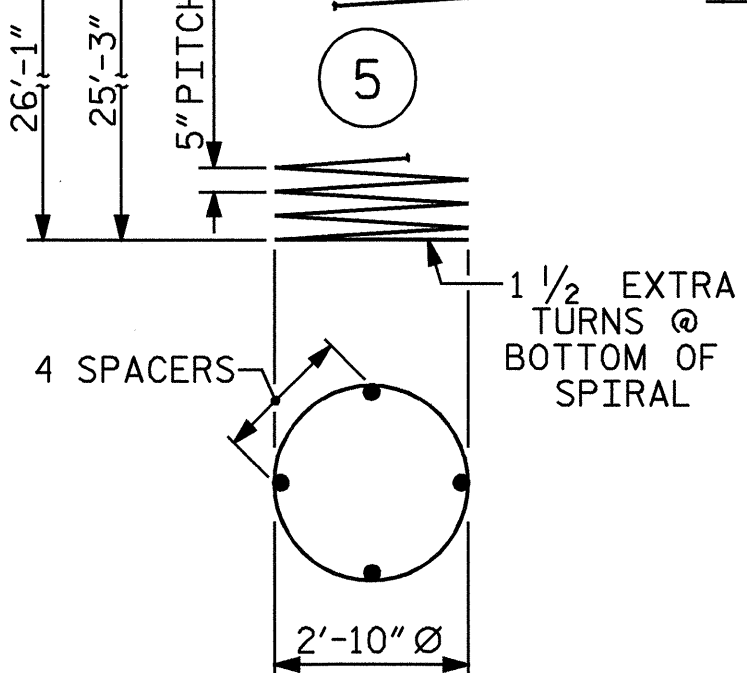
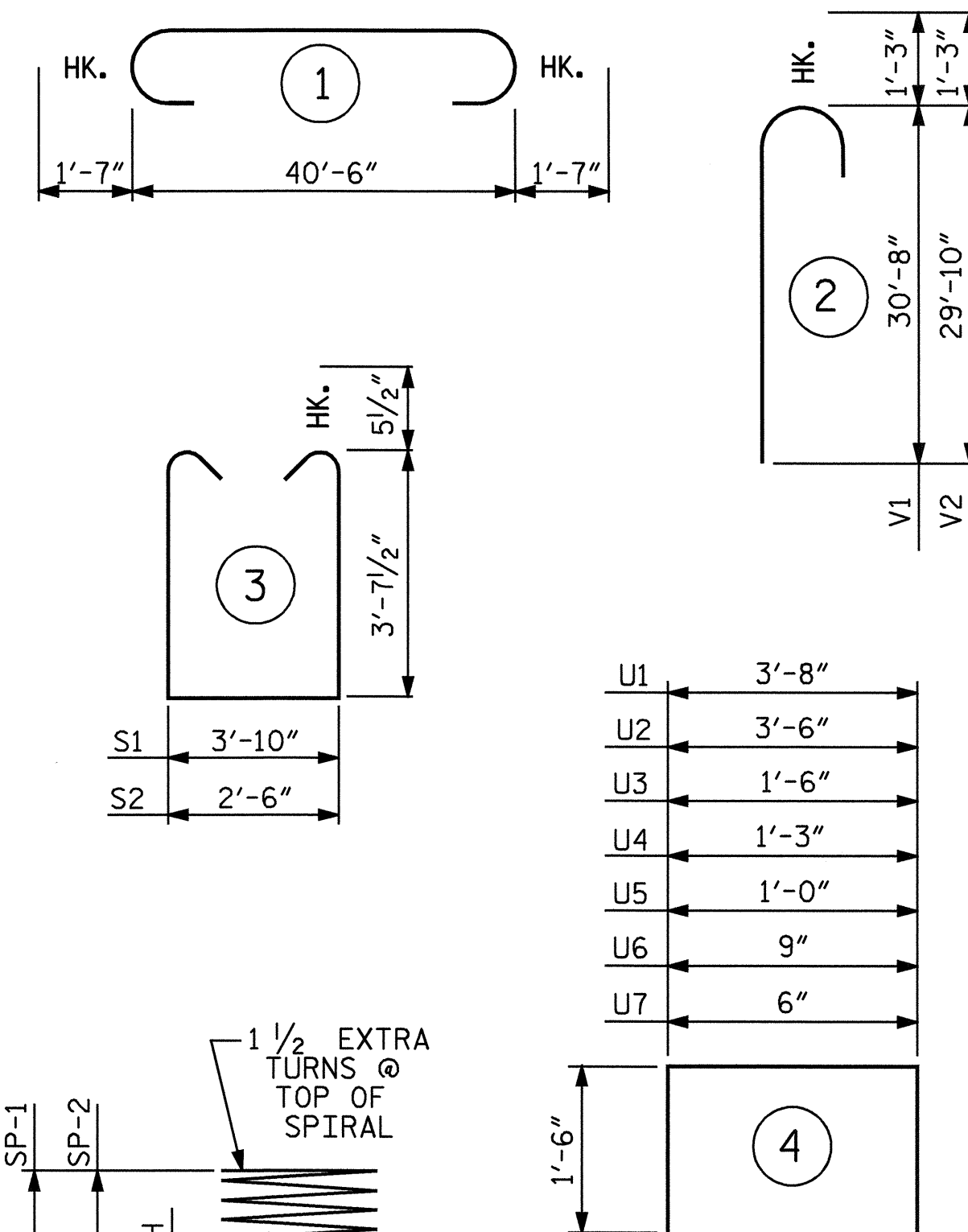


PLAN OF DRILLED PIERS

REINFORCING STEEL, DIMENSIONS & DETAILS ARE TYPICAL FOR EACH DRILLED PIER.

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL
BENT No. 1

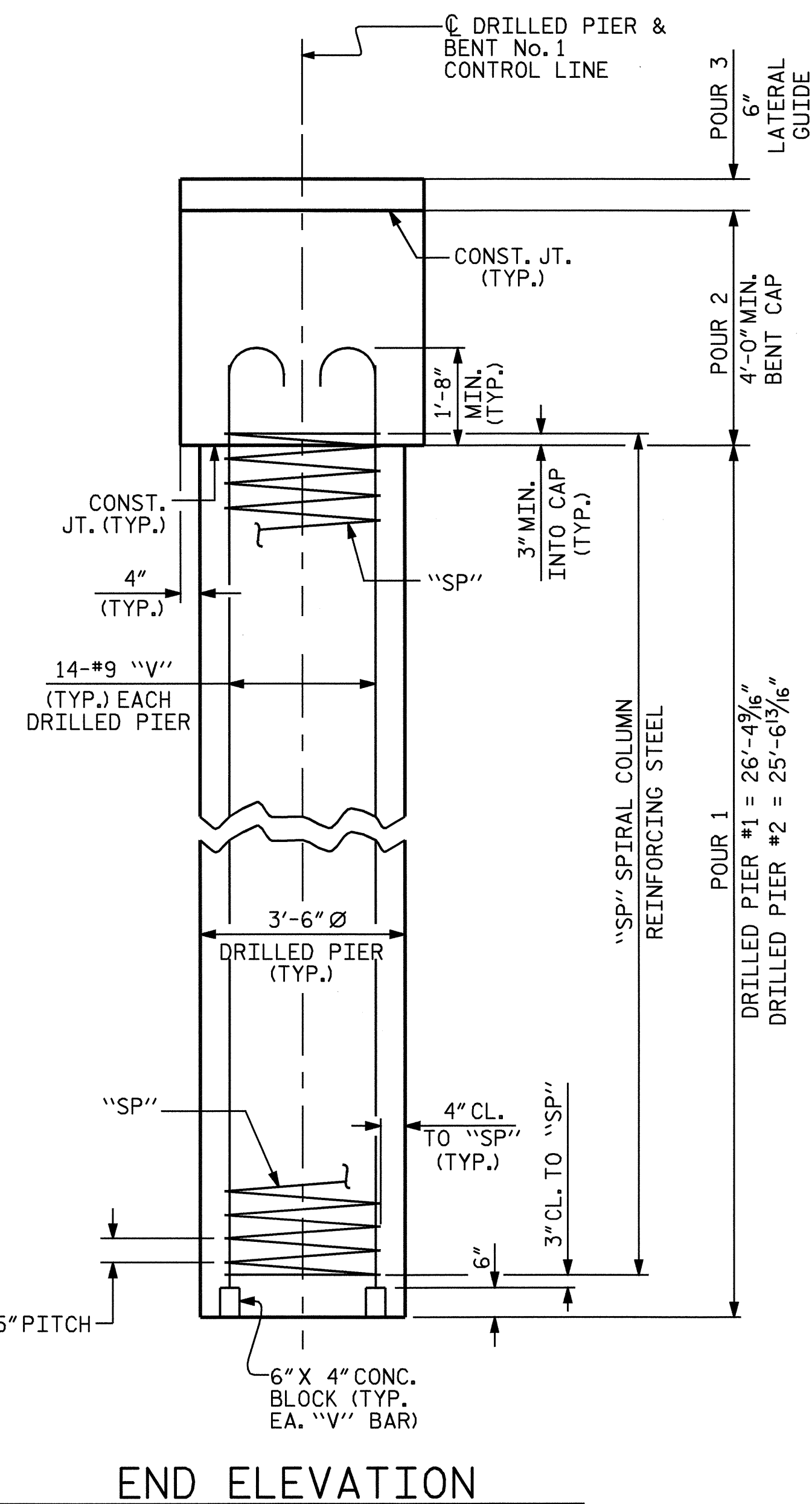
BAR NO.	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	12	#11	1	43'-8"	2784
B2	8	#5	STR	40'-8"	339
B3	2	#4	STR	3'-10"	5
B4	2	#4	STR	3'-11"	5
D1	48	#8	STR	2'-3"	288
S1	29	#5	3	12'-0"	363
S2	16	#5	3	10'-8"	178
U1	8	#4	4	6'-8"	36
U2	8	#4	4	6'-6"	35
U3	2	#4	4	4'-6"	6
U4	2	#4	4	4'-3"	6
U5	2	#4	4	4'-0"	5
U6	2	#4	4	3'-9"	5
U7	2	#4	4	3'-6"	5
V1	14	#9	2	31'-11"	1519
V2	14	#9	2	31'-1"	1480

REINFORCING STEEL = 7059 LBS
 SP-1 1 * 5 577'-4" 602
 SP-2 1 * 5 559'-10" 584

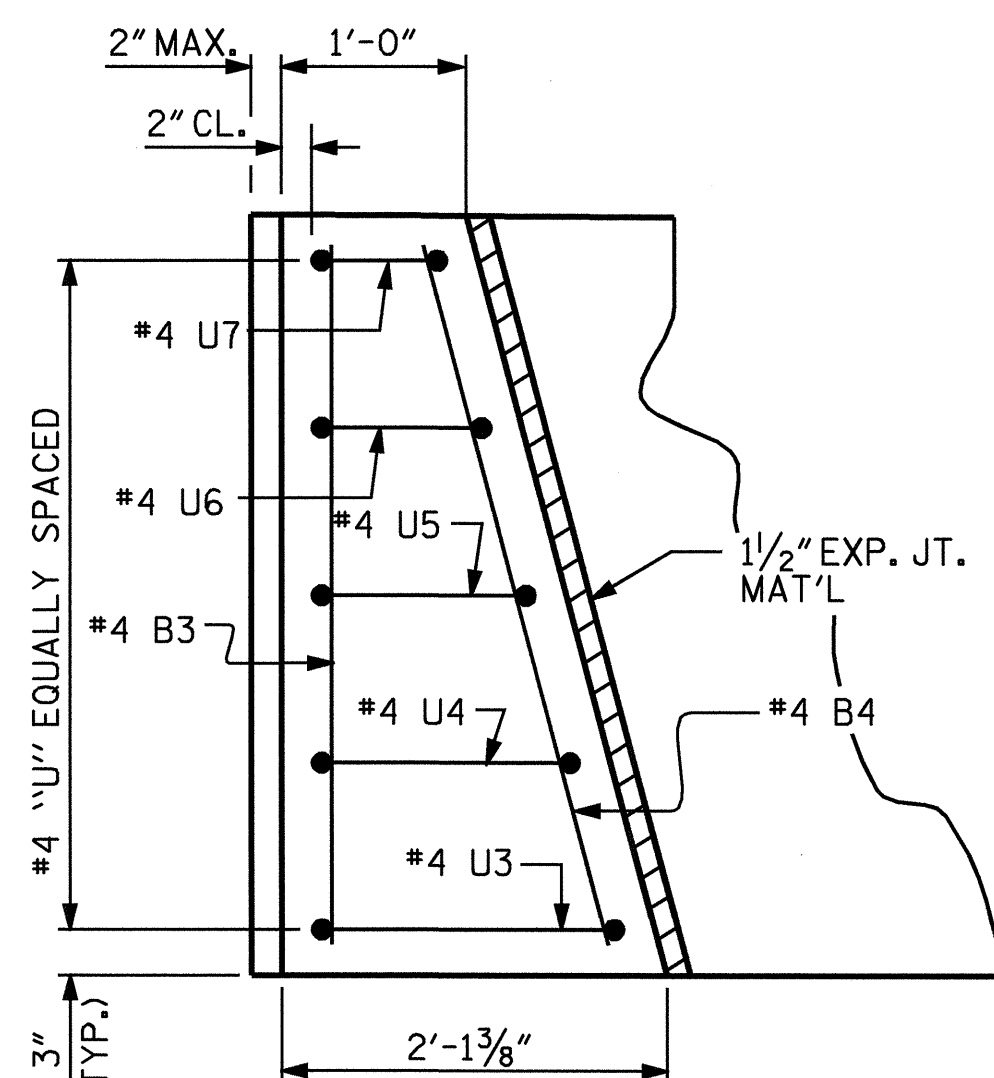
SPIRAL COLUMN REINFORCING STEEL = 1186 LBS.
 * THE SP-1 & SP-2 SPIRAL COLUMN REINFORCING STEEL SHALL BE W31 OR D-31 COLD DRAWN WIRE OR #5 PLAIN OR DEFORMED BAR.

CLASS A CONCRETE BREAKDOWN :
 POUR #2 (CAP) 25.5 C.Y.
 POUR #3 (LATERAL GUIDES) 0.2 C.Y.
 TOTAL 25.7 C.Y.

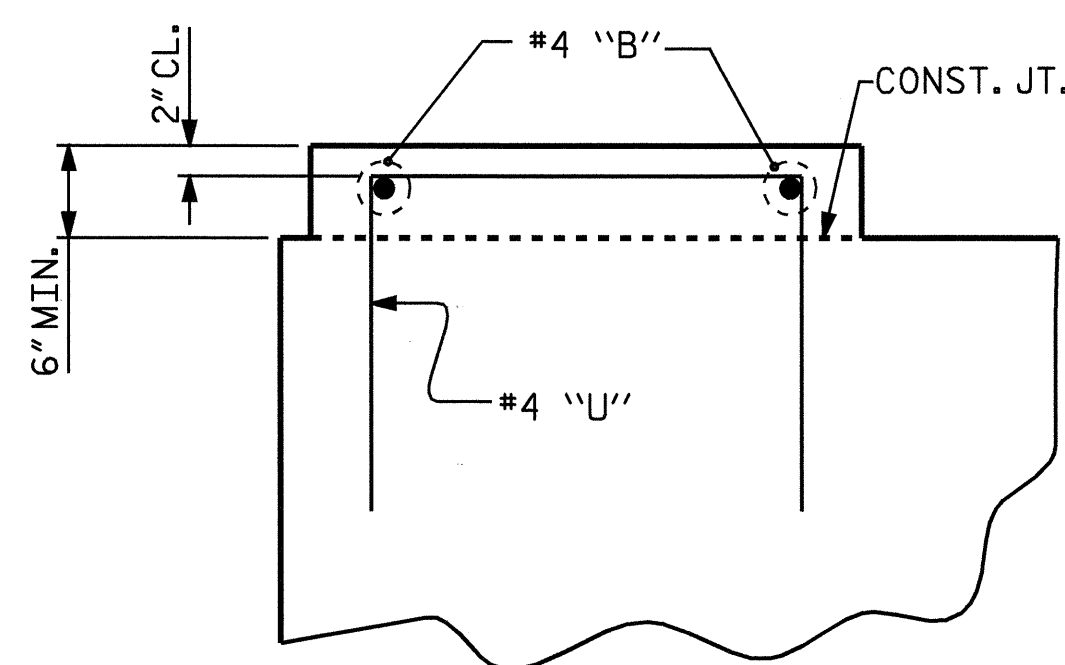
3'-6" Ø DRILLED PIERS
 POUR #1 (DRILLED PIER CONCRETE) 18.5 C.Y.
 3'-6" Ø DRILLED PIERS NOT IN SOIL 18.0 LIN. FT.
 3'-6" Ø DRILLED PIERS IN SOIL 34.0 LIN. FT.
 PERMANENT STEEL CASING FOR 3'-6" Ø DRILLED PIERS = 35.0 LIN. FT.
 CROSSHOLE SONIC LOGGING 1 EACH
 CSL TUBES 227.8 LIN. FT.
 SID INSPECTION 2 EACH



END ELEVATION



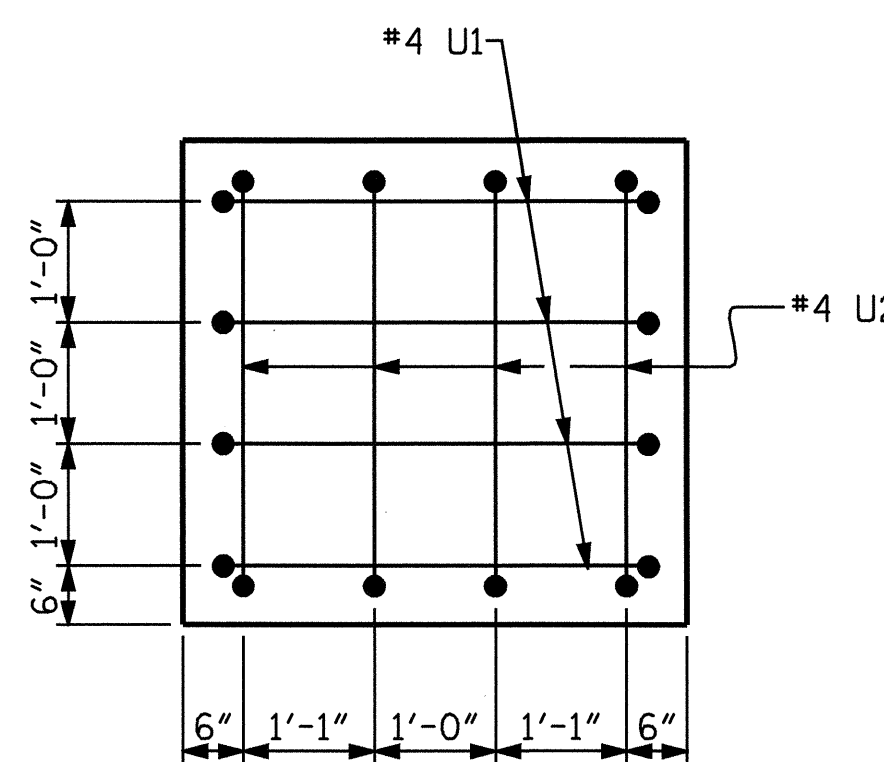
PLAN



ELEVATION

LATERAL GUIDE DETAIL

(LEFT LATERAL GUIDE SHOWN ; RIGHT LATERAL GUIDE SIMILAR)

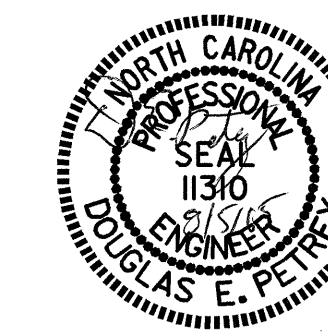


END OF CAP VIEW

(TYPICAL EACH END)

PROJECT NO. B-4047
BURKE COUNTY
 STATION: 15+30.00 -L-

SHEET 2 OF 2



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

SUBSTRUCTURE
 BENT No. 1

DRAWN BY : A.V. ROYAL DATE : 6/05
 CHECKED BY : B.N. GRADY DATE : 6/05

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-14
1			3			TOTAL SHEETS
2			4			24