

NOTES

STIRRUPS IN CAP MAY BE SHIFTED AS NECESSARY TO CLEAR ANCHOR BOLTS.

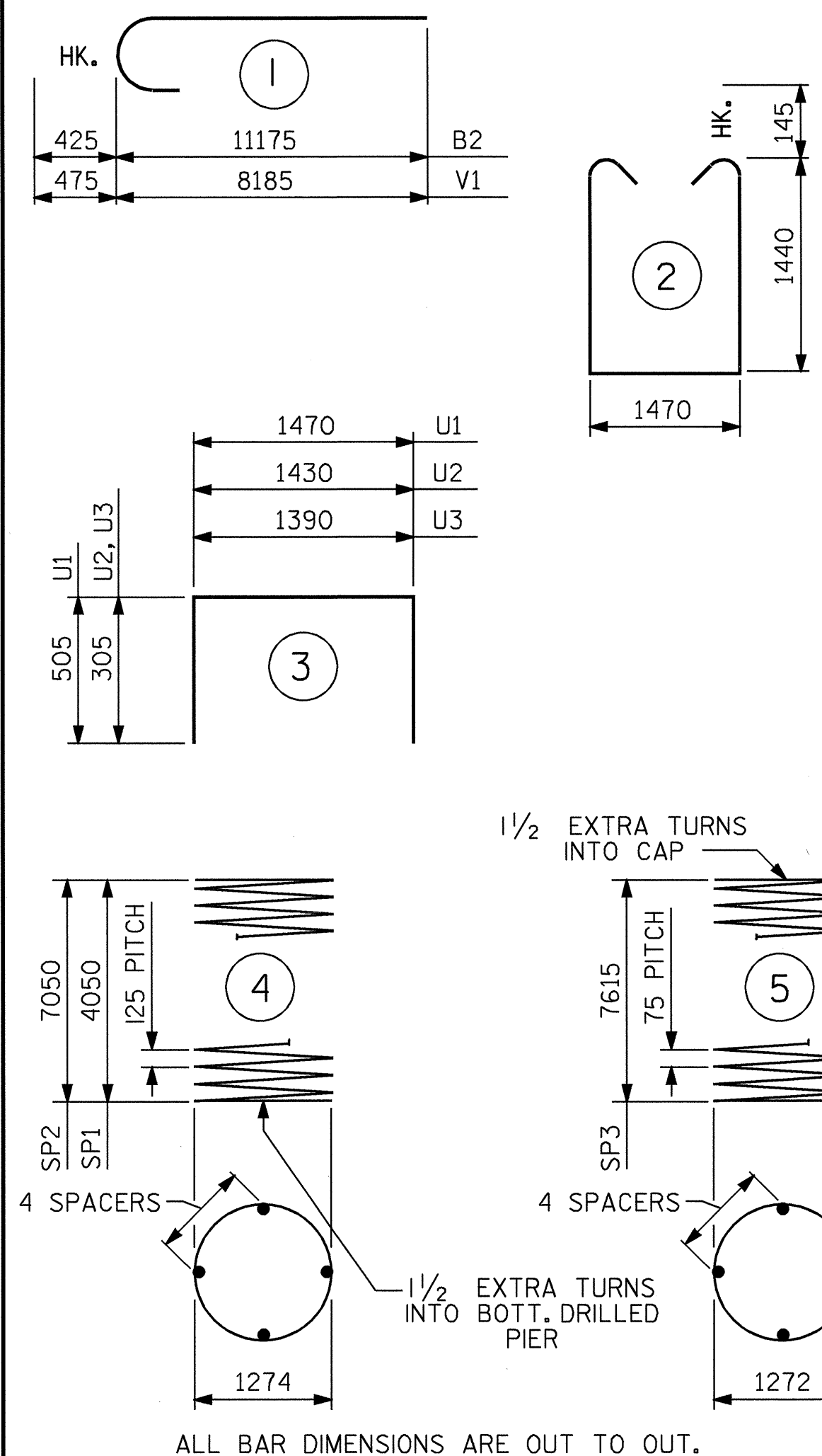
HOOKS ON "V" BARS MAY BE TURNED AS NECESSARY FOR PLACING REINFORCING STEEL.

ALL STEEL IN THE DRILLED PIERS IS INCLUDED IN THE PAY ITEMS FOR REINFORCING STEEL AND SPIRAL COLUMN REINFORCING STEEL.

THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE LONGITUDINAL REINFORCEMENT FOR DRILLED PIERS IS DETAILED WITH ONE METER OF EXTRA LENGTH.

THE LOCATION OF THE CONSTRUCTION JOINT IN THE DRILLED PIER IS BASED ON AN APPROXIMATE GROUND LINE ELEVATION. IF THE CONSTRUCTION JOINT IS ABOVE THE ACTUAL GROUND LINE ELEVATION, THE CONTRACTOR SHALL PLACE THE CONSTRUCTION JOINT 300mm BELOW THE GROUND LINE.

BAR TYPES



BILL OF MATERIAL

BENT 1					
BAR NO.	SIZE	TYPE	LENGTH	WEIGHT	
B1	12	#32	STR	10720	824
B2	14	#32	1	11600	1041
B3	24	#16	STR	6960	259
B4	7	#13	STR	7020	49
M1	52	#36	STR	7320	3009
M2	52	#36	STR	10320	4243
S1	53	#16	2	4640	382
U1	38	#13	3	2480	94
U2	10	#13	3	2040	20
U3	10	#13	3	2000	20
V1	104	#36	1	8660	7121
REINFORCING STEEL					kg 17062

SPIRAL COLUMN REINFORCING STEEL					
SP1	2	**	4	134880	419
SP2	2	**	4	230100	714
SP3	4	***	5	408560	1624
SPIRAL COLUMN REINFORCING STEEL					kg 2757

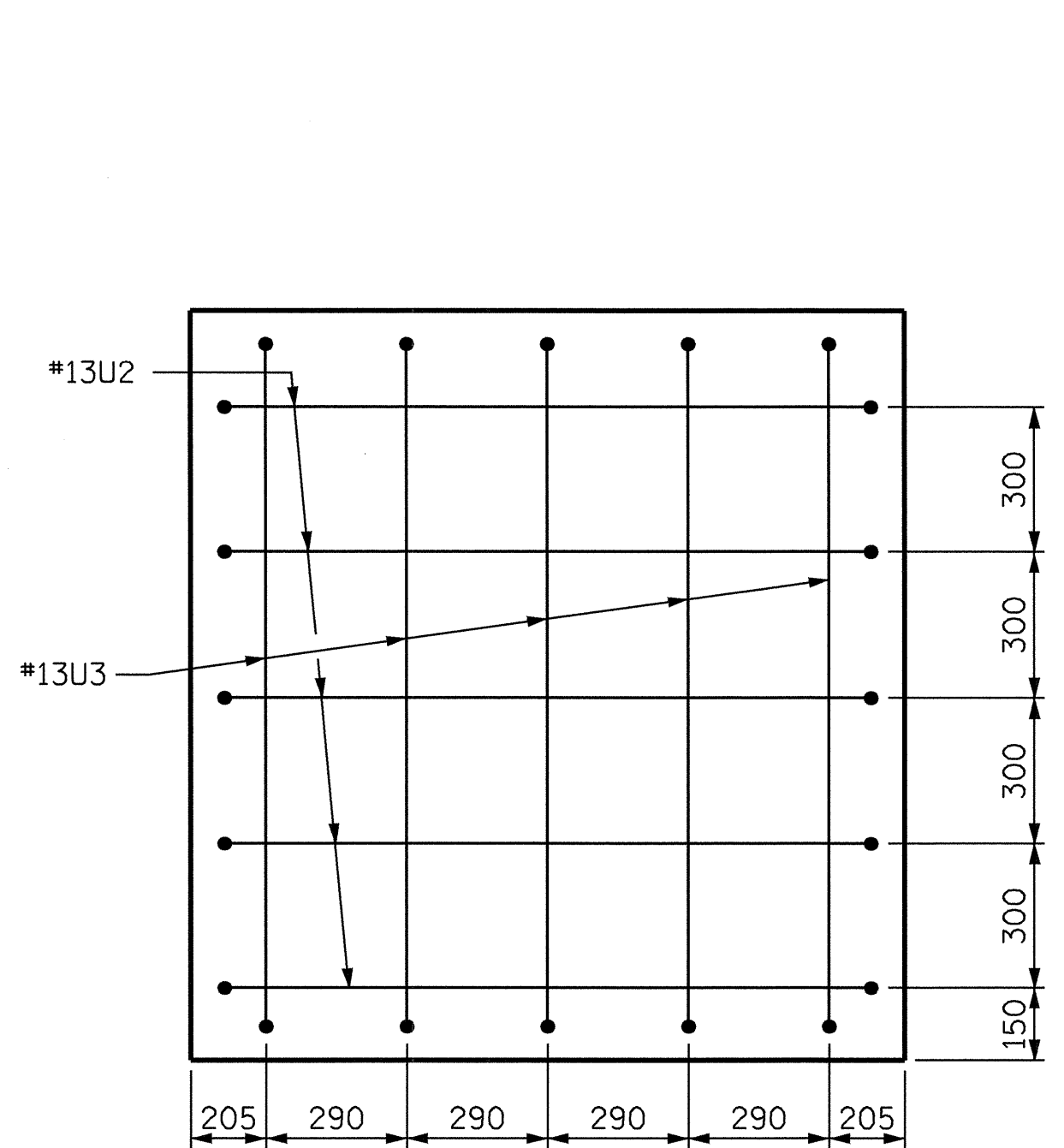
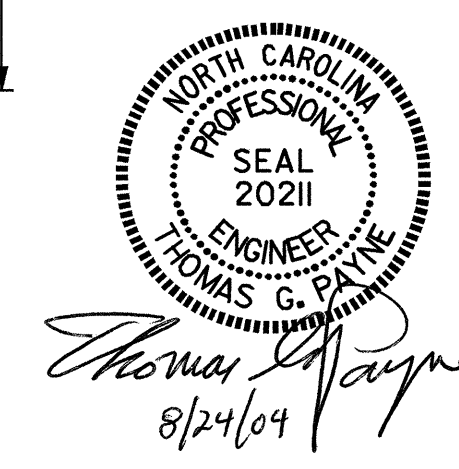
DRILLED PIER CONCRETE BREAKDOWN		
POUR #1 DRILLED PIERS	CU. METERS	41.6
CLASS A CONCRETE BREAKDOWN		
POUR #2 COLUMNS	CU. METERS	44.6
POUR #3 CAP	CU. METERS	48.2
CLASS A CONCRETE TOTAL	CU. METERS	92.8

1524mm Ø DRILLED PIERS IN SOIL	METERS	6.4
1524mm Ø DRILLED PIERS NOT IN SOIL	METERS	16.4

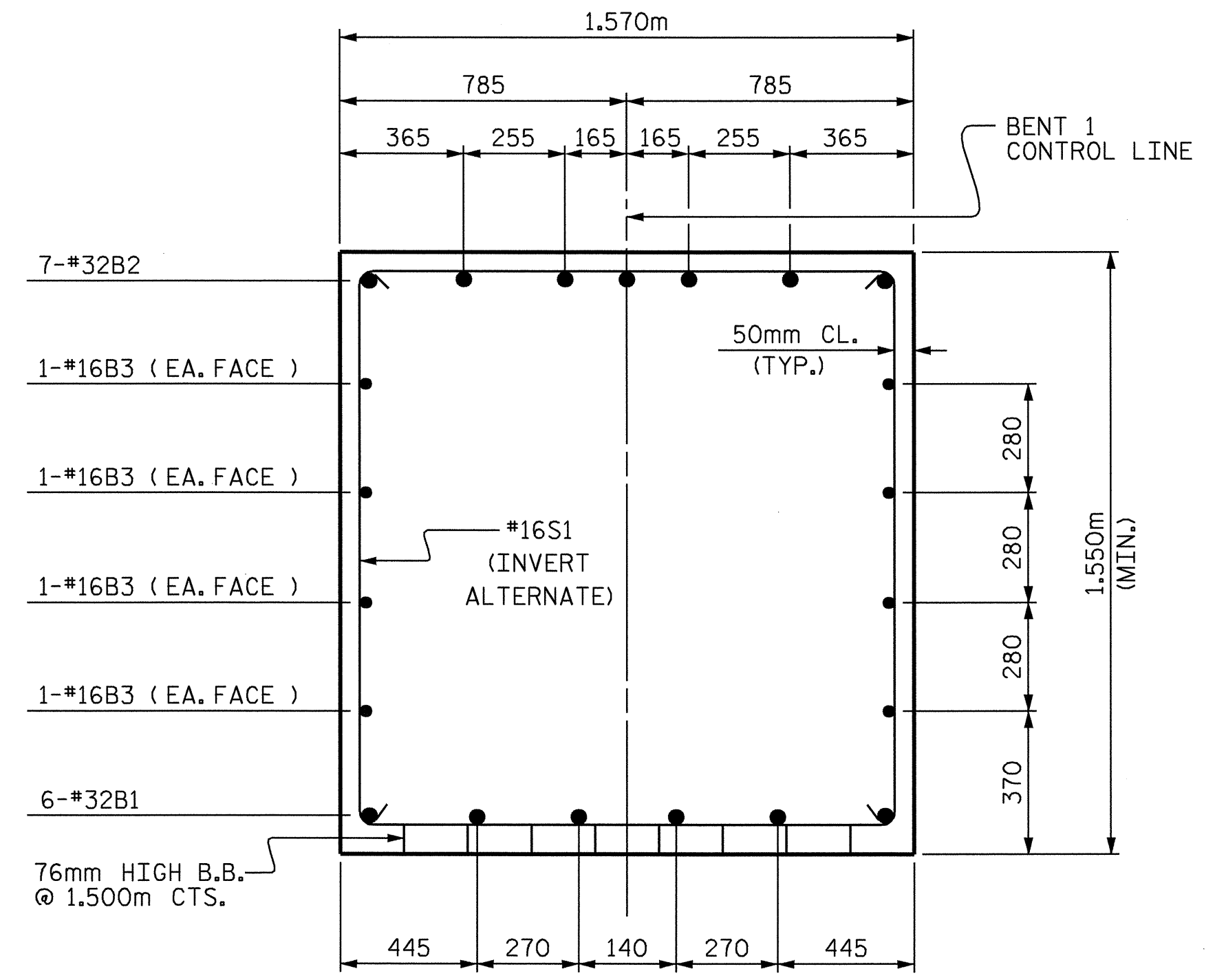
CSL TUBES	METERS	104.8
CROSSHOLE SONIC LOGGING		1 EA.

PROJECT NO. **R-2206B**
LINCOLN COUNTY
 STATION: **123+38.105 -L-**
 SHEET 2 OF 2

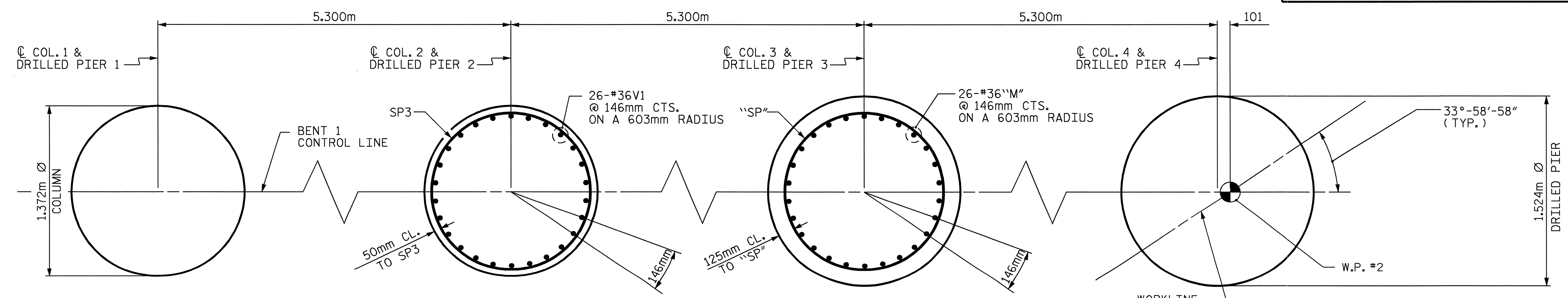
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
SUBSTRUCTURE BENT 1 (LEFT LANE)					
REVISIONS					SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		
					TOTAL SHEETS 86



END VIEW
(BOTH ENDS TYPICAL)



SECTION THRU CAP



PLAN OF COLUMN
REINFORCING STEEL AND DIMENSIONS ARE TYPICAL FOR ALL COLUMNS

PLAN OF DRILLED PIER
DIMENSIONS ARE TYPICAL FOR ALL DRILLED PIERS

PLAN OF COLUMNS AND DRILLED PIERS

DRAWN BY: **H.A. LOCKLEAR** DATE: **3/30/01**
 CHECKED BY: **M.J. OSTRISHKO** DATE: **4/20/01**

20-AUG-2004 15:47
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