

NOTES

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

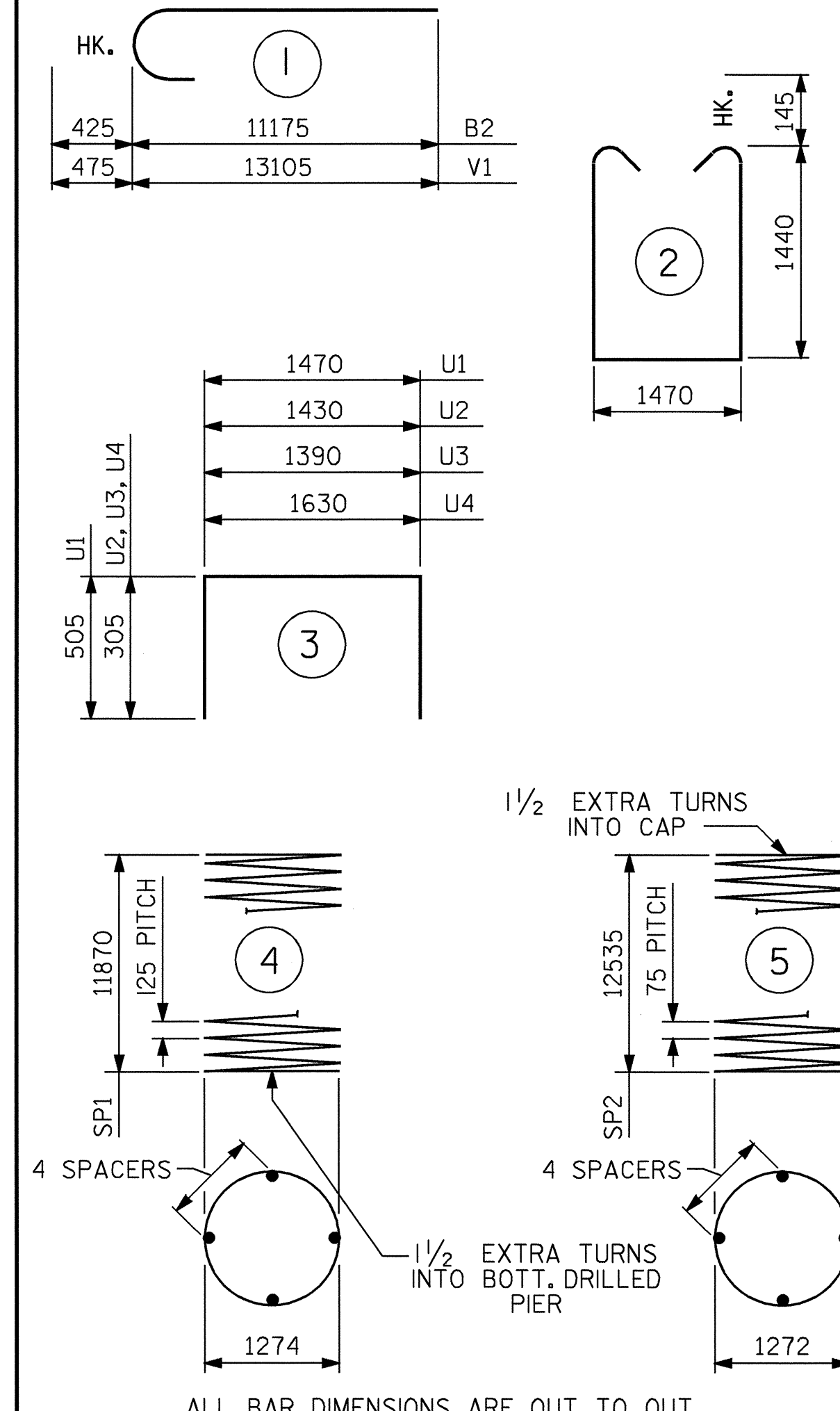
HOOKS ON "V" BARS MAY BE TURNED AS NECESSARY FOR PLACING REINFORCING STEEL.

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



** THE SP1 SPIRAL REINFORCING STEEL SHALL BE W31 OR D-31 COLD DRAWN WIRE OR #16 PLAIN OR DEFORMED BAR.

*** THE SP2 SPIRAL REINFORCING STEEL SHALL BE W20 OR D-20 COLD DRAWN WIRE OR #13 PLAIN OR DEFORMED BAR.

BILL OF MATERIAL

BENT 3					
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	104	#36	STR	15140	12450
S1	53	#16	2	4640	382
U1	38	#13	3	2480	94
U2	11	#13	3	2040	22
U3	5	#13	3	2000	10
U4	5	#13	3	2240	11
V1	104	#36	1	13580	11167
REINFORCING STEEL					kg 25927

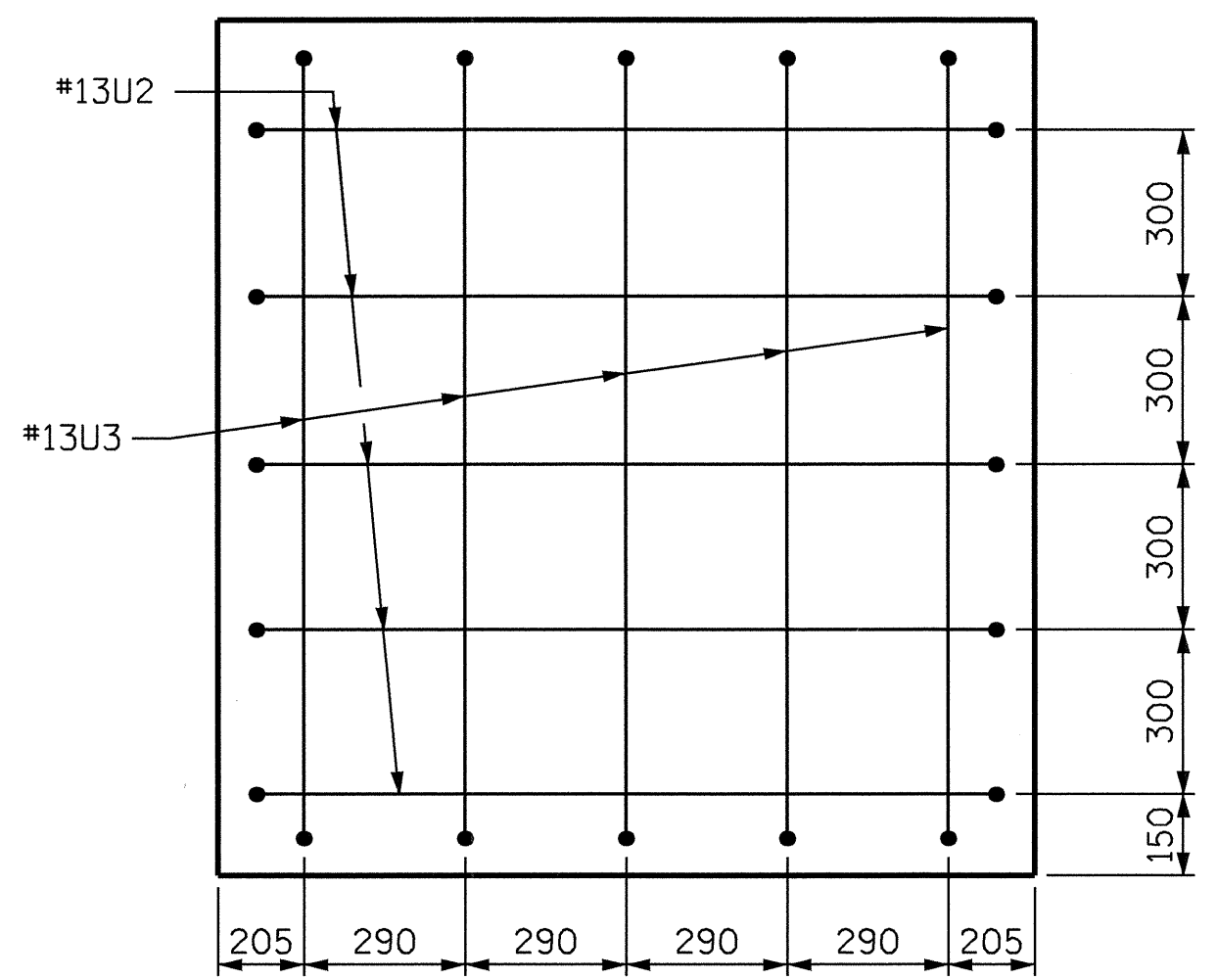
SPIRAL COLUMN REINFORCING STEEL					
SP1	4	**	4	382820	2377
SP2	4	***	5	667740	2655
SPIRAL COLUMN REINFORCING STEEL					kg 5032

DRILLED PIER CONCRETE BREAKDOWN		
POUR #1 DRILLED PIERS	CU. METERS	87.7
CLASS A CONCRETE BREAKDOWN		
POUR #2 COLUMNS	CU. METERS	73.7
POUR #3 CAP	CU. METERS	49.0
CLASS A CONCRETE TOTAL	CU. METERS	122.7

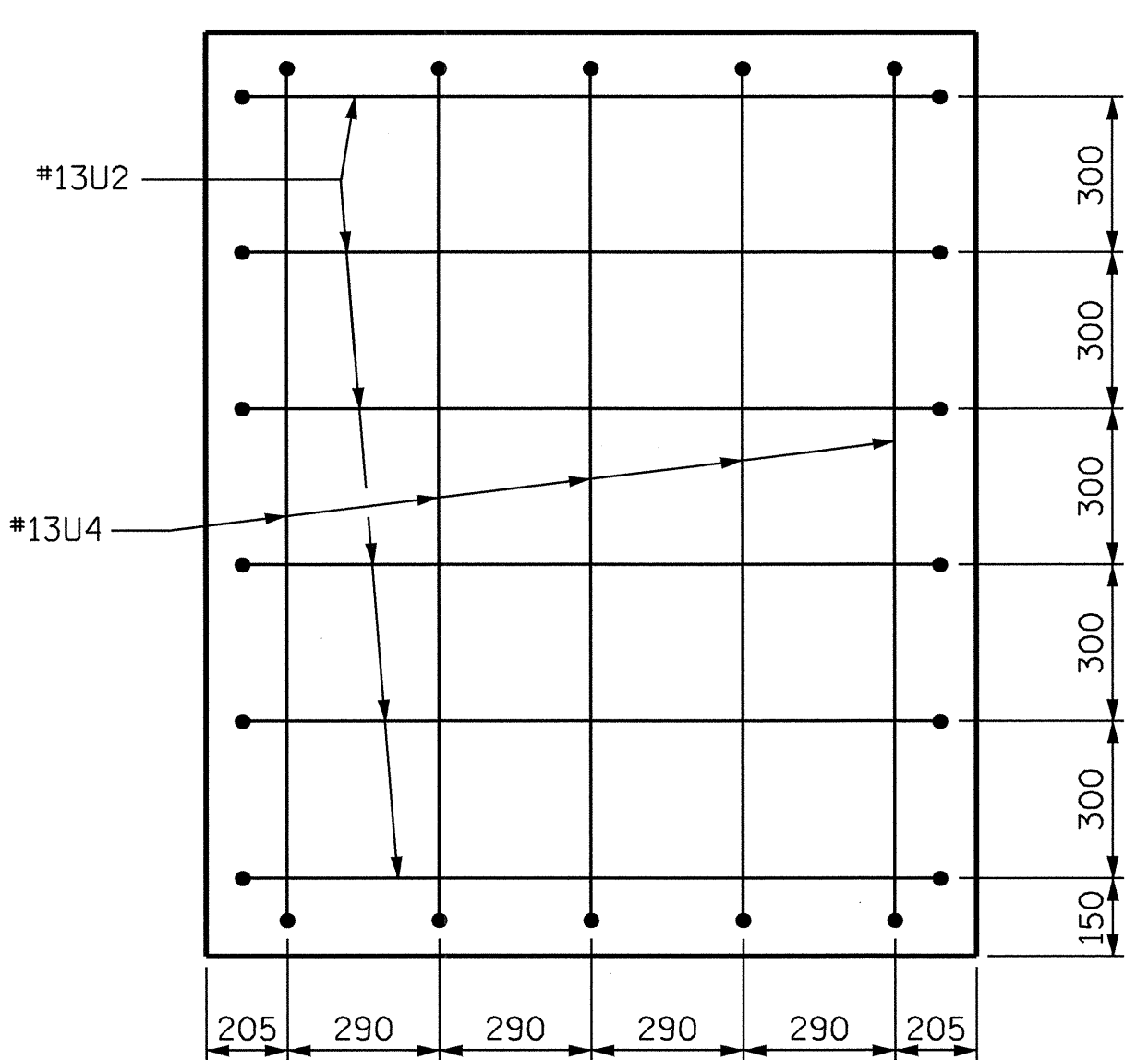
1524mm Ø DRILLED PIERS IN SOIL	METERS	28.1
1524mm Ø DRILLED PIERS NOT IN SOIL	METERS	20.0
1524mm PERMANENT STEEL CASING	METERS	29.2
CSL TUBES	METERS	205.92
CROSSHOLE SONIC LOGGING		1 EA.
SID INSPECTION		4 EA.

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

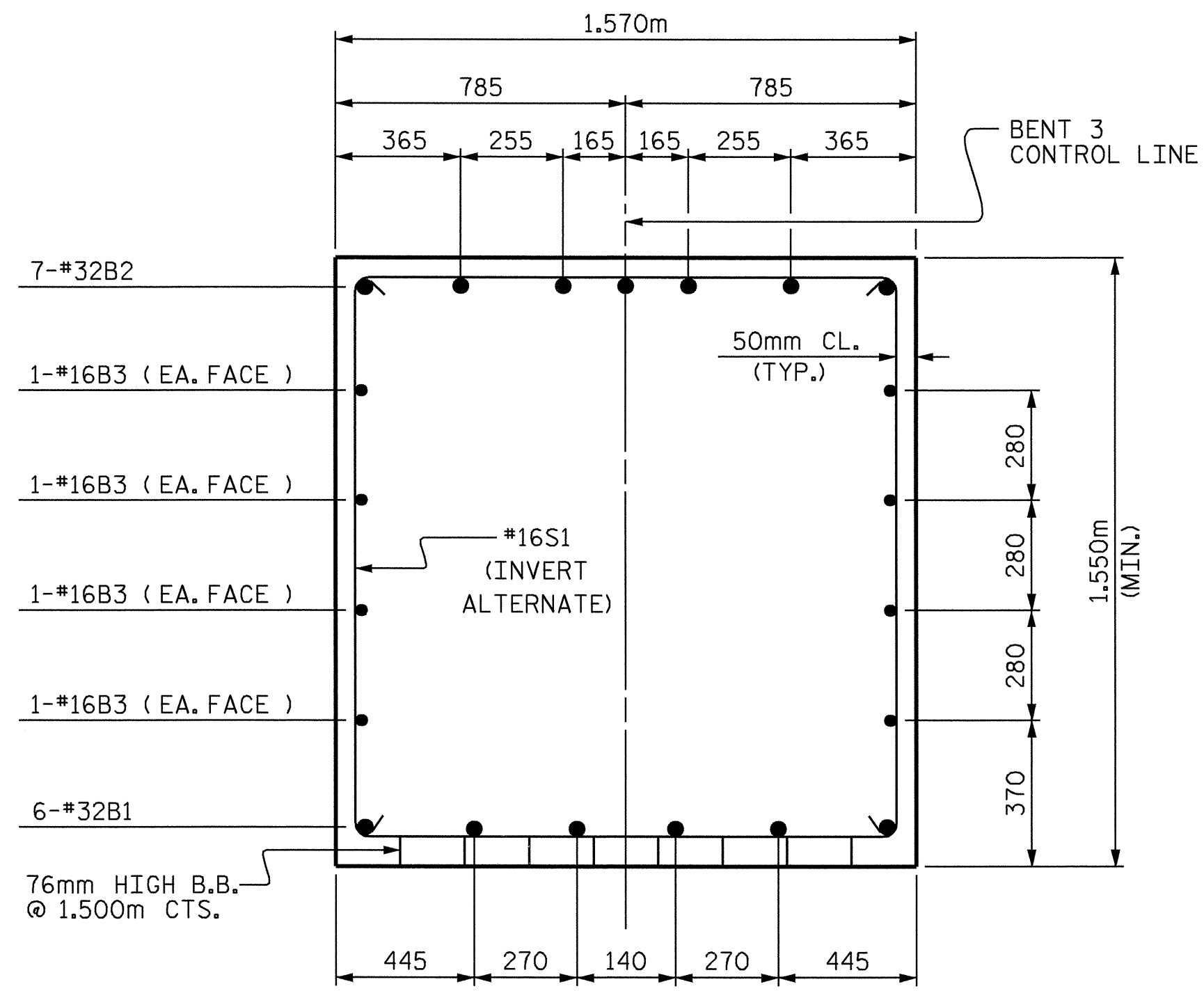
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
SUBSTRUCTURE BENT 3 (LEFT LANE)					
REVISIONS					SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		
TOTAL SHEETS					86



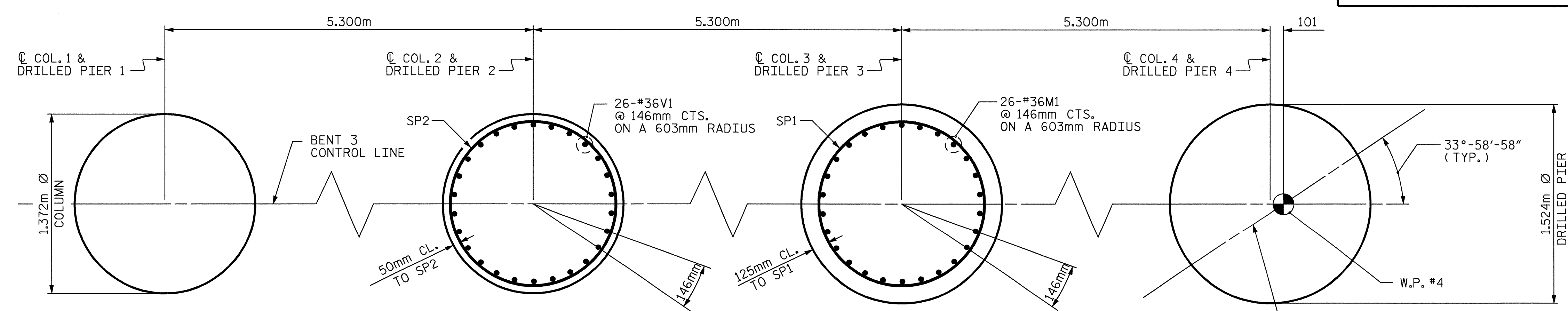
SECTION X-X



SECTION Y-Y



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 15:48
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