

F1 FOUNDATION PLAN
1/16" = 1'-0"

Date	Revisions
2-24-14	DD2 COST ESTIMATE SET
3-05-14	35% CD SET - NOT FOR CONSTRUCTION
4-30-14	65% CD SET - NOT FOR CONSTRUCTION
6-03-14	95% CD SET - NOT FOR CONSTRUCTION
7-15-14	100% CD SET

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Drawing Title

FOUNDATION PLAN

Approved: Project Director

Project Title

PATIENT PARKING GARAGE EXPANSION
DEPARTMENT OF VETERANS AFFAIRS
NORTH TEXAS VETERANS HEALTH CARE CENTER
4500 S. LANCASTER ROAD
DALLAS, TEXAS 75216

Location

Date
Issue Date

Checked
JEW

Drawn
SOA

Project Number

549-906

Building Number

80

Drawing Number

S-100

Dwg. 48 of 93

Office of
Construction
and Facilities
Management



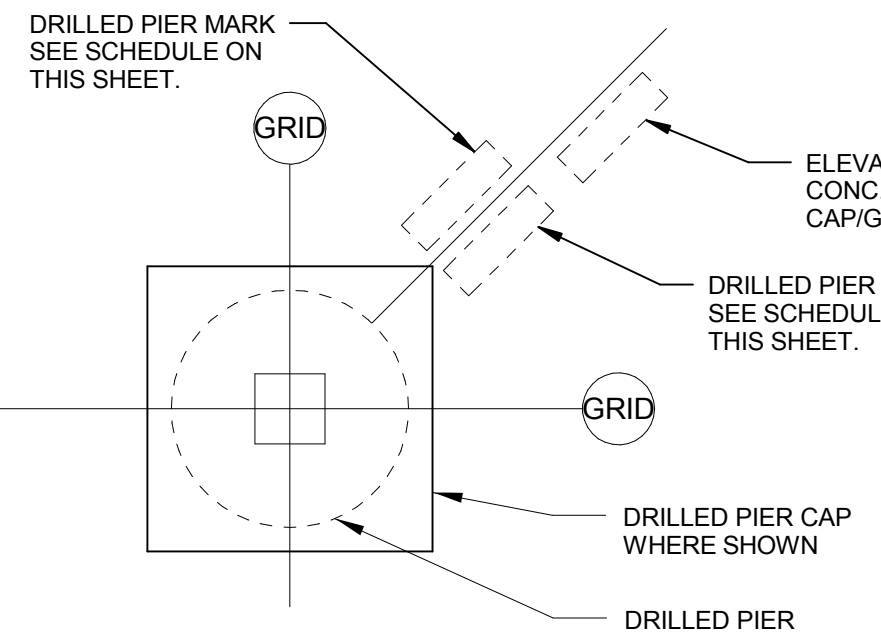
GRADE BEAM SCHEDULE							
GRADE BEAM MARK	DEPTH	WIDTH	LONGITUDINAL REINFORCEMENT (SEE DETAIL D8/S-100)		SIDE REINFORCEMENT (EQUALLY SPACED EACH FACE)	NOTES	TRANSVERSE REINFORCEMENT (FROM EACH END UN) (LOCATE FIRST STIRRUP 2" AWAY FROM THE FACE OF THE DRILLED PIER)
			TOP	BOTTOM			
GB1	2'-6"	4'-6"	(7)#8	(7)#6	-	ADD (4)#10 (BOTTOM) TO SPANS ADJACENT TO GB2, ADD (1)#10 (BOTTOM) BETWEEN GRIDS 3.5 AND 4	(3) #4 X 3 LEGS @ 12" OC
GB2	2'-6"	4'-6"	(7)#8	(7)#9	-	-	(9) #4 X 4 LEGS @ 4" OC, REM #4 X 3 LEGS @ 12" OC
GB3	2'-6"	4'-0"	(8)#8	(7)#8	-	-	#4 X 2 LEGS @ 8" OC
GB4	2'-6"	4'-0"	(8)#9	(8)#9	-	-	#4 X 2 LEGS @ 8" OC
GB5	2'-6"	4'-0"	(8)#9	(8)#9	-	-	#4 X 2 LEGS @ 8" OC
GB6	2'-6"	4'-0"	(7)#7	(7)#7	-	-	#4 X 2 LEGS @ 10" OC
GB7	2'-6"	4'-6"	(7)#8	(7)#8	-	ADD (1)#8 (BOTTOM) END SPANS	#4 X 2 LEGS @ 8" OC
GB8	2'-6"	4'-0"	(7)#7	(5)#8	-	ADD (2)#8 (BOTTOM) END SPANS	(7) #4 X 2 LEGS @ 10" OC
GB9	3'-6"	5'-0"	(6)#6	(11)#11	(4)#5	-	(15)#3 X 4 LEGS @ 4" OC SHEAR WALL SIDE REM #4 X 3 LEGS @ 12" OC
GB10	3'-6"	4'-6"	(6)#6	(9)#9	(4)#5	-	(6) #4 X 3 LEGS @ 6", REM @ #4 X 3 LEGS @ 12" OC
GB11	2'-6"	3'-0"	(5)#5	(5)#7	-	-	-
GB12	2'-6"	5'-0"	(7)#6	(8)#8	-	-	(2) #4 X 2 LEGS @ 8" OC

DRILLED PIER CAP SCHEDULE, SEE DETAIL F8/S-100				
MARK	SIZE			REINFORCEMENT (TOP AND BOTTOM, EACH WAY UNO)
	WIDTH	LENGTH	DEPTH	
DPC2.5	3'-0"	3'-0"	2'-6"	(4)#5
DPC3.5	4'-0"	4'-0"	2'-6"	(5)#5
DPC4.0	4'-6"	4'-6"	2'-6"	(5)#5
DPC5.0	5'-6"	5'-6"	2'-6"	(6)#5
DPC5.5	6'-0"	6'-0"	2'-6"	(7)#5

DRILLED PIER SCHEDULE, SEE DETAIL F6/S-100				
MARK	SIZE	PIER REINFORCEMENT		REMARKS
		SHAFT DIAMETER	TYPICAL VERTICAL REINFORCEMENT	
DP2.5	2'-6"	(8)#9	16"	-
DP3.0	3'-0"	(10)#9	16"	-
DP3.5	3'-6"	(14)#9	16"	-
DP4.0	4'-0"	(15)#10	16"	-
DP4.5	4'-6"	(18)#10	16"	-
DP5.0	5'-0"	(18)#11	16"	-
DP5.5	5'-6"	(22)#11	16"	-

FOUNDATION NOTES:

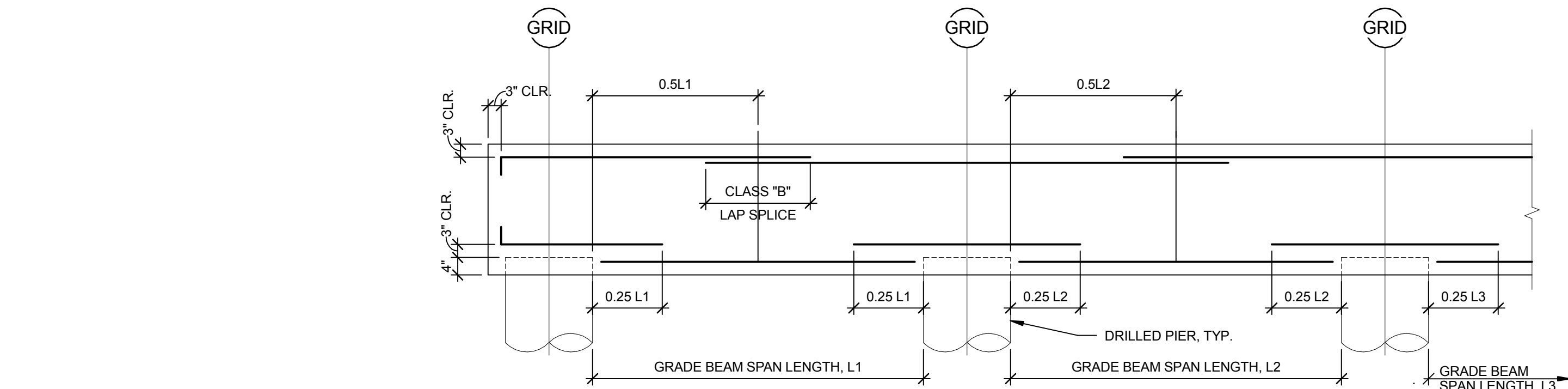
- SEE SHEET S-001 & S-002 FOR GENERAL NOTES.
- 1a. DATUM ELEVATION 100'-0" = 527'-0"
- SEE CIVIL DRAWINGS FOR EXTERIOR GRADE ELEVATIONS.
- UNLESS NOTED OTHERWISE ALL DRILLED PIERS AND DRILLED PIER CAPS THAT ARE IMMEDIATELY BELOW A P/C COLUMN ARE CENTERED ON PRECAST COLUMNS. ALL DRILLED PIERS AWAY FROM P/C COLUMNS ARE CENTERED OF P/C WALLS.
- ALL GRADE BEAMS ARE CENTERED ON CIP WALLS OR P/C WALLS UNO.
- CONCRETE PLACEMENT AT DRILLED PIERS SHALL BE COMPLETED SAME DAY AS DRILLING WITH NO INTERMEDIATE COLD JOINTS.
- WHERE GRADE BEAM IS DISCONTINUOUS, TERMINATE TOP & BOTTOM REINFORCEMENT WITH A STANDARD HOOK DEVELOPMENT LENGTH OR WITH STRAIGHT BAR ANCHORAGE LENGTH. GRADE BEAM TOP REBARS SHALL BE LAPPED AT MIDSPAN. GRADE BEAM BOTTOM REBARS SHALL BE LAPPED AT THIRD SPAN.
- WORK MUST BE COORDINATED WITH UNDERGROUND PLUMBING AND ELECTRICAL DWGS. (IF READ)
- PROVIDE CORNER REINFORCING PER DETAILS F1/S-002 AND B3/S-002 AT GRADE BEAM INTERSECTIONS, CIP WALLS AND FOOTINGS.
- GB INDICATES GRADE BEAM MARK, SEE SCHEDULE ON THIS SHEET.
- DP INDICATES DRILLED PIER, SEE DETAIL F6/S-100 AND SCHEDULE ON THIS SHEET.
- DPC INDICATES DRILLED PIER CAP, SEE DETAIL F8/S-100 AND SCHEDULE ON THIS SHEET.
- TYPICAL FOOTINGS AND WALL REINFORCEMENT LAP SPICES, SEE DETAIL F1/S-002.
- REINFORCEMENT, WELDED SPICES, SEE DETAIL F5/S-002.
- PIPES AT CONCRETE FOOTINGS, SEE DETAIL D3/S-002 AND F3/S-002.
- REINFORCEMENT BAR BENDING, SEE DETAIL F7/S-002.
- FOR FOUNDATION LEGEND, SEE F4/S-100.
- PROVIDE VERTICAL CONSTRUCTION OR CONTROL JOINTS IN C.I.P. WALLS PER B5 & D5/S-002 TO MATCH JOINTS IN SLAB-ON-GRADE.
- P/C COLUMNS AT GRID LINE 4 ARE 23 1/2" X 24" FROM FOUNDATION TO TOP LEVEL.
- P/C COLUMNS AT GRID LINE 2, 3 & 3.8 ARE 24" X 24" FROM FOUNDATION TO TOP LEVEL, U.N.
- P/C COLUMNS AT GRID LINE 1/A IS 33" X 33" (WITH COLUMN POCKETS) FROM FOUNDATION TO TOP LEVEL.
- P/C COLUMNS AT GRID LINES 1.3/B, 1/E, 4, 1/G, 1/H, 1/H.8 AND 1.2/J ARE 24" X 33" (WITH COLUMN POCKETS) FROM FOUNDATION TO TOP LEVEL.
- SEE SHEET S-301 FOR LIGHT WALL ELEVATION & DETAILS.
- SEE DETAIL F7/S-002 FOR STEP FOOTING LAYOUT.
- STOP CIP WALL 1" SHORT OF P/C COLUMN OR WALL (TYPICAL).
- SEE SHEET S-301 FOR WALL PANEL & SHEAR WALL FORCES.
- CONTRACTOR TO COORDINATE EMBED PLATES FOR P/C WALLS SUPPORTED ON FOUNDATIONS AND CIP KNEE WALLS.



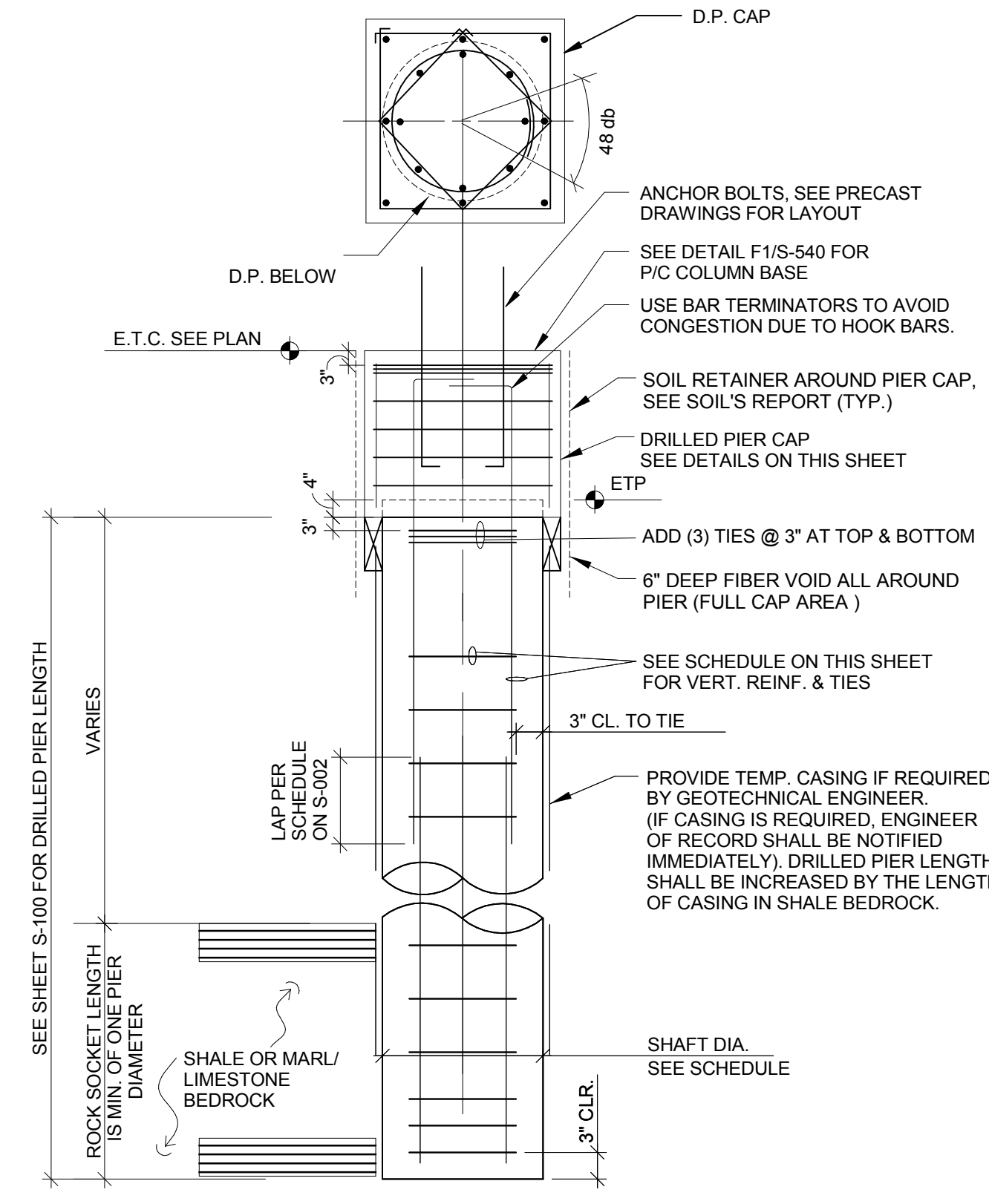
NOTE:
APPROXIMATE DRILLED PIER BEARING LAYER ELEVATION:
DRILLED PIERS SHALL BE SOCKETED INTO THE SHALE AND MARL LESTONE FINAL PIER LENGTHS SHALL BE DETERMINED BY GEOTECHNICAL ENGINEER IN FIELD. REFER TO GEOTECHNICAL REPORT FOR MORE INFORMATION
BETWEEN GRID LINES A-H : 74'-0" (60'-0")
BETWEEN GRID LINES H-J : 85'-0" (512'-0")

ESTIMATED ROCK SOCKET LENGTH INTO THE BEARING LAYERS:
2'-6" FT Ø PIER = 2'-6" FT
3'-0" FT Ø PIER = 5'-0" FT
4'-0" FT Ø PIER = 5'-0" FT
4'-6" FT Ø PIER = 7'-0" FT
5'-0" FT Ø PIER = 8'-0" FT
5'-6" FT Ø PIER = 10'-0" FT

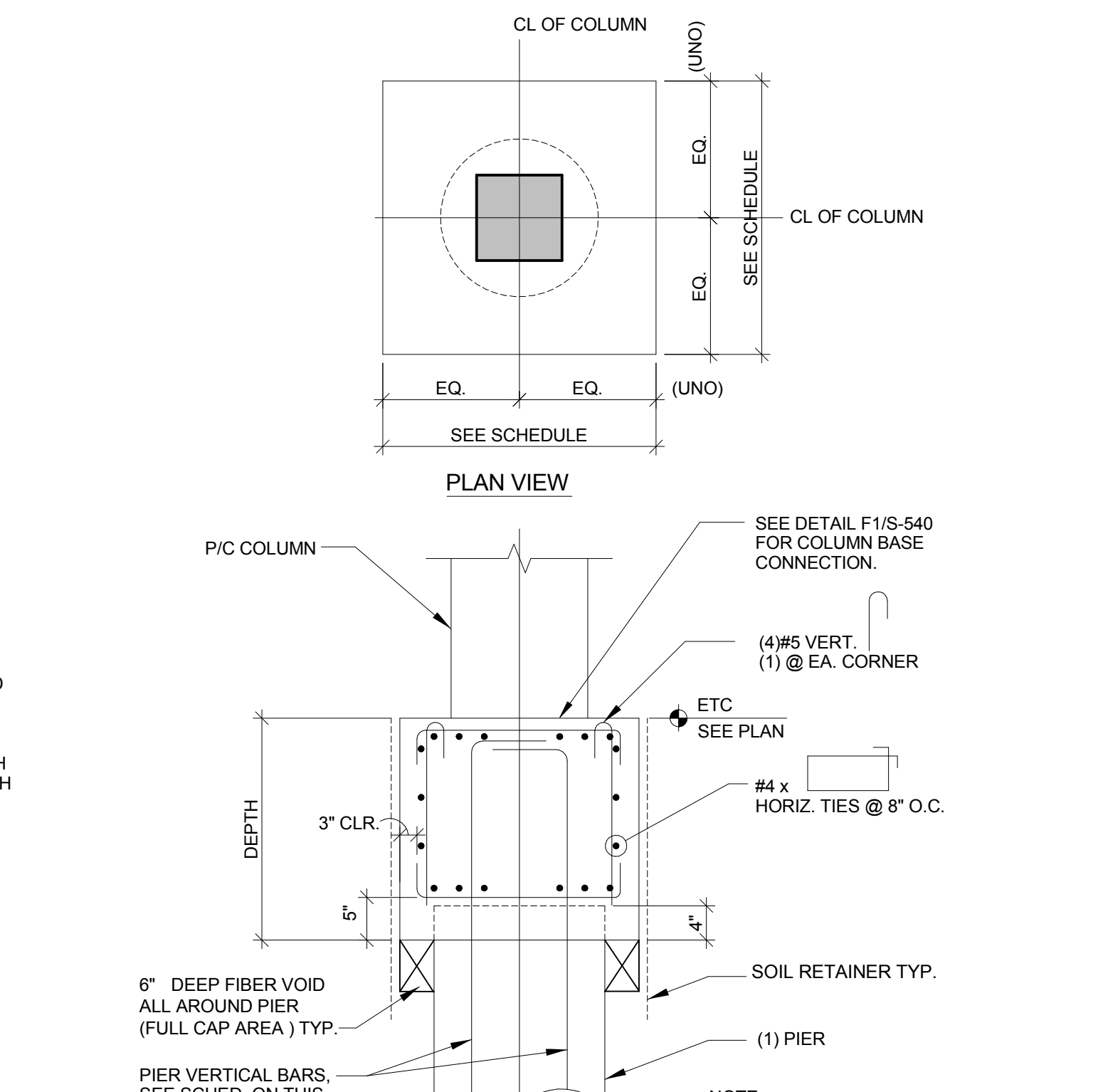
F4 FOUNDATION LEGEND
3/4" = 1'-0"



D8 GRADE BEAM DETAIL
1/2" = 1'-0"



F6 DRILLED PIER AND CAP DETAIL
3/4" = 1'-0"



F8 PIER CAP DETAIL
3/4" = 1'-0"