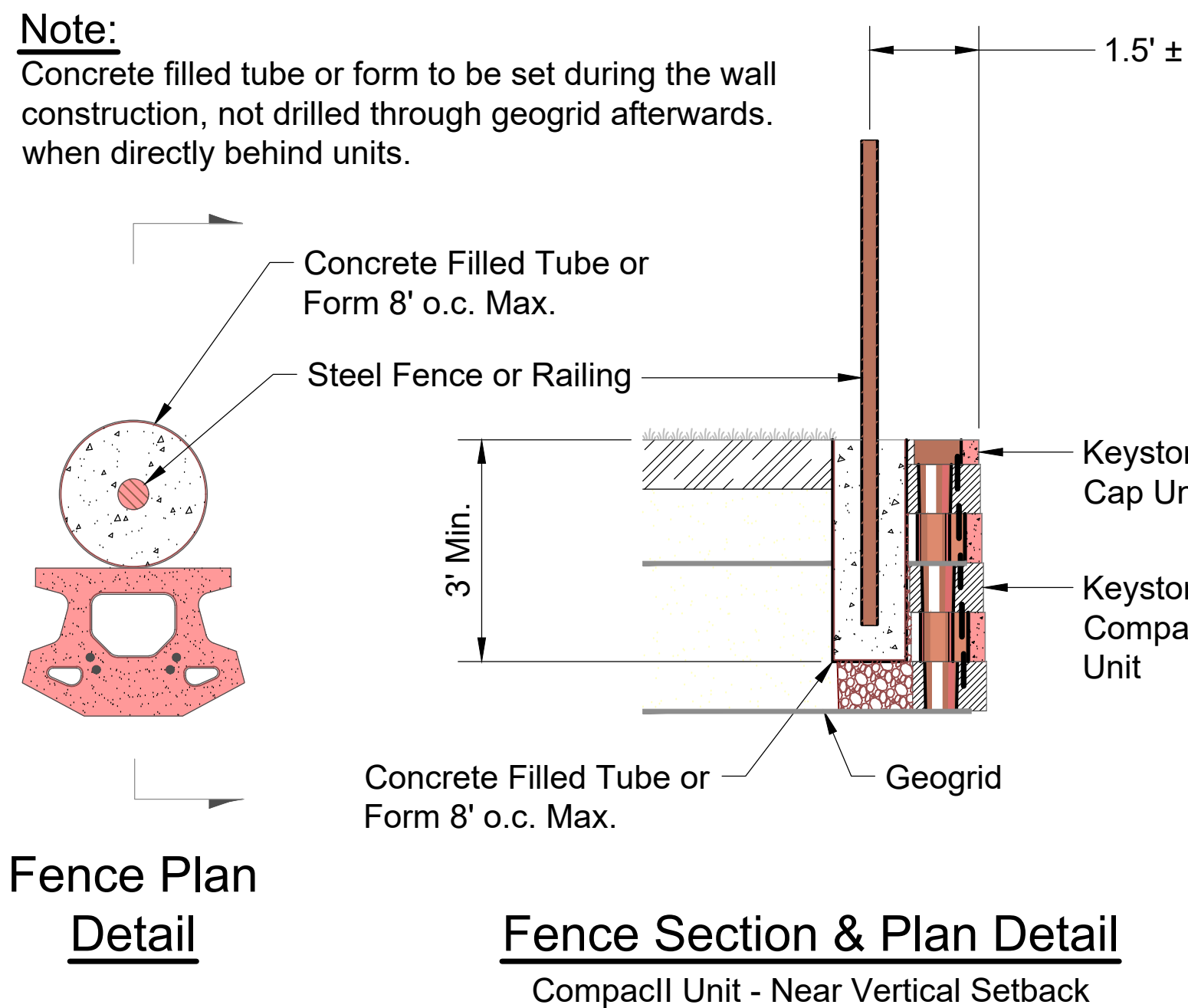
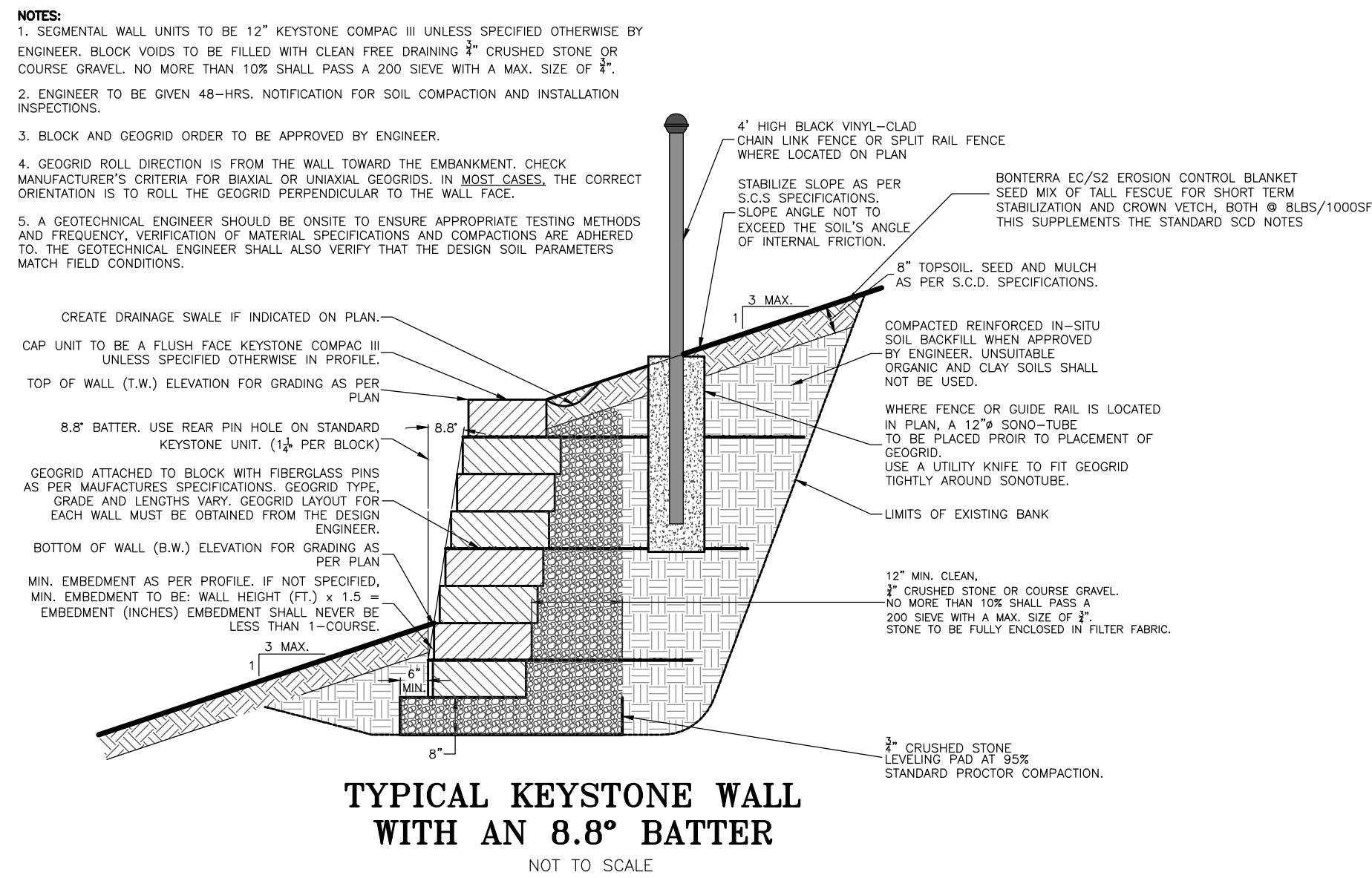
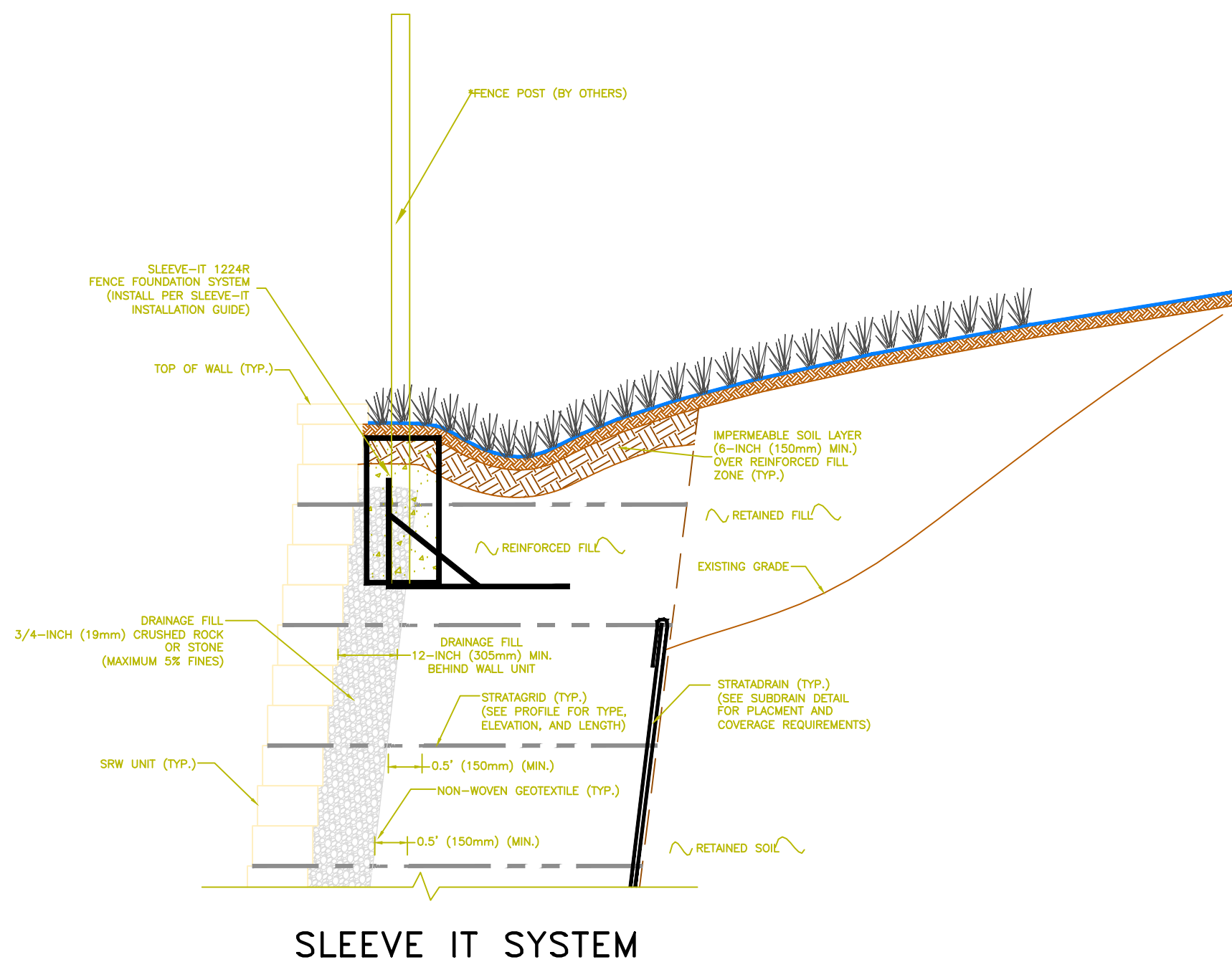
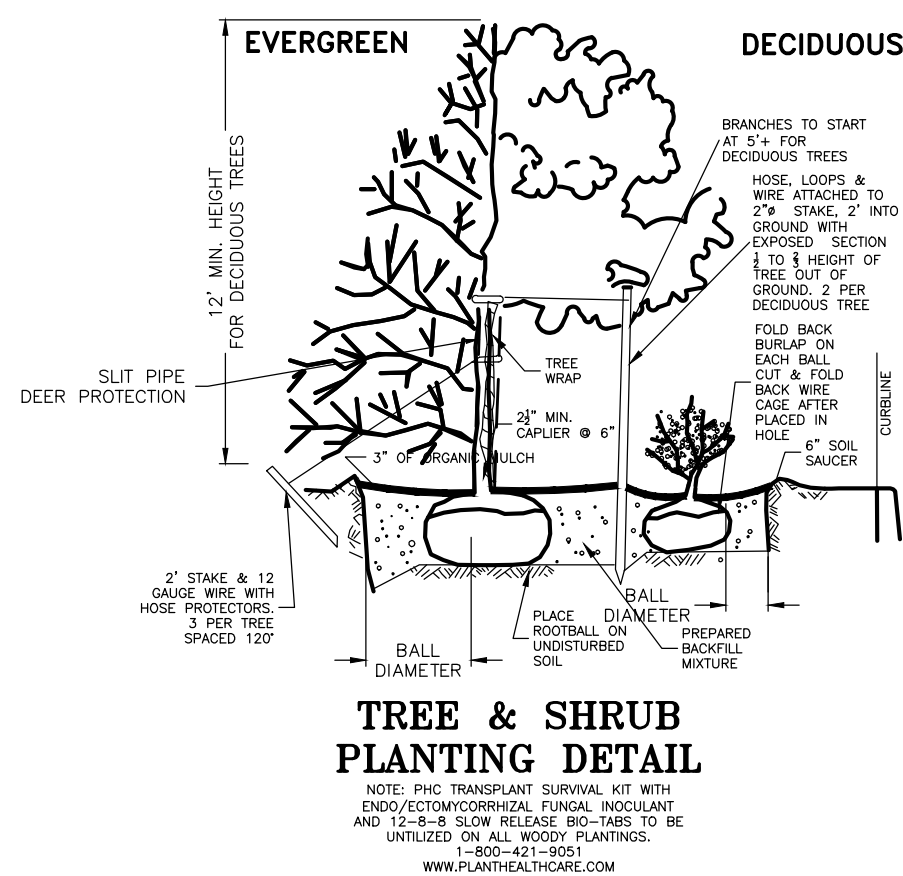
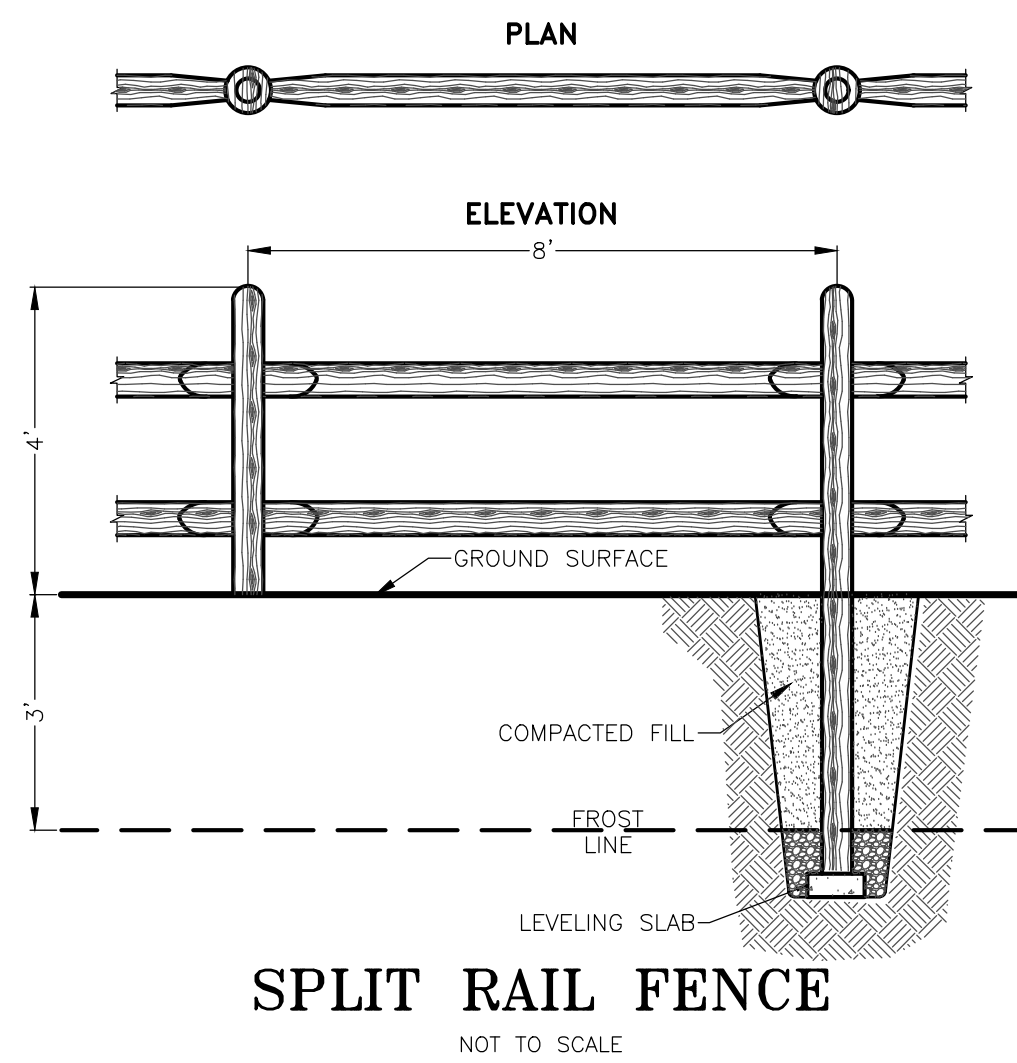
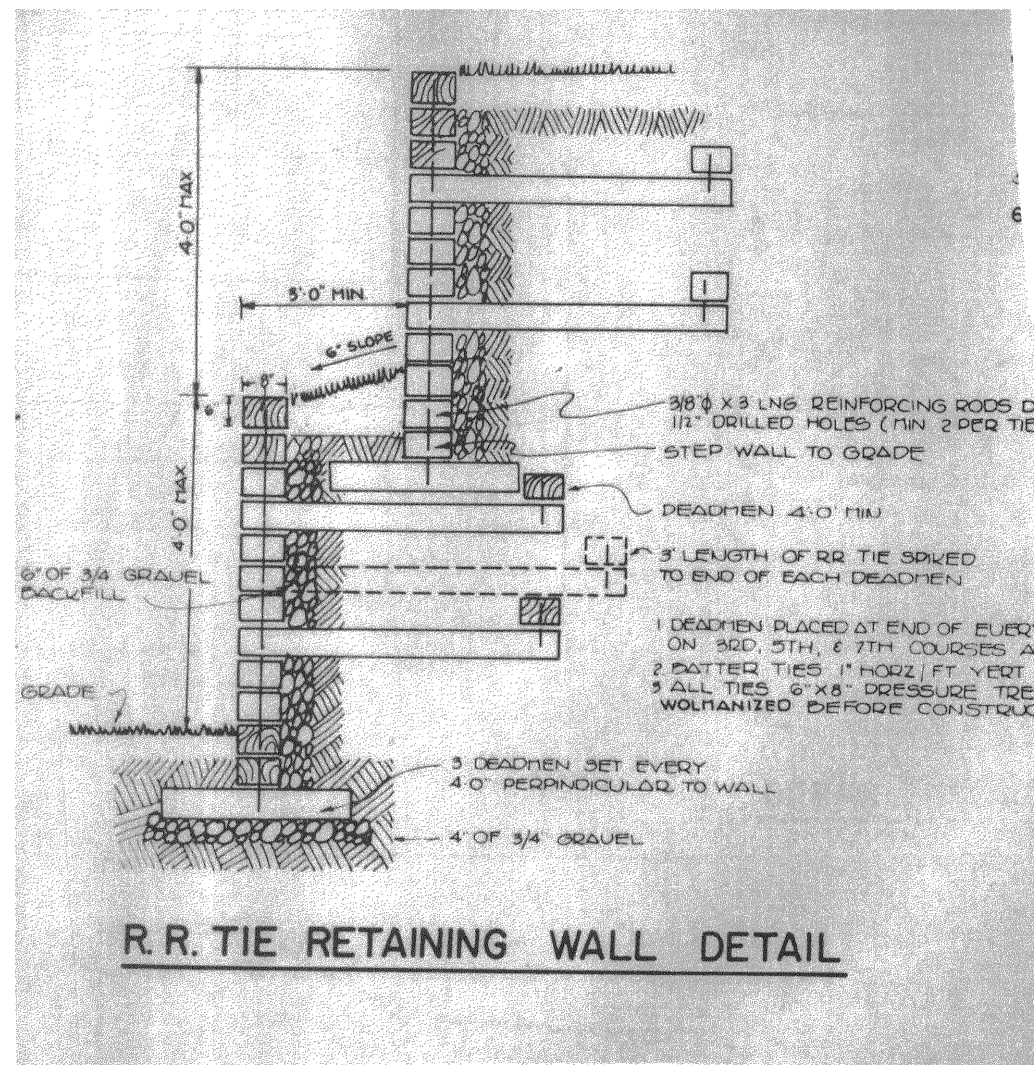




[illegible]

DESIGN STANDARDS
RETAINING WALLS REPLACEMENT
HOPPER CONDOMINIUM ASSOCIATION

- 2) CUMULATIVE EARTH BLENDING MEASURES AS PER HMA DESIGN MANUAL FOR SEGMENTAL RETENTION.
- 3) WALL TO UTILIZE REINFORCED KEYSTONE CONCRETE (B)1 STRAIGHT FACE BLOCK WITH A 1" STRIBBACS PER 12" HORIZONTAL REINFORCEMENT. THE BASE COURSE, BASE COURSE TO BE STRAIGHT H/2 STRAIGHT BLOCK.
- 4) RETAINMENT TO BE H/2
- 5) WHERE BASE IS WITHIN THE DETENTION POINTS, THE BASE COURSE TO BE UPON A 4" WIDE OF 12" HORIZONTAL REINFORCEMENT WITHIN DETENTION POINTS AND 4" WIDE CHASED.
- 6) WHERE WALL IS WITHIN THE DETENTION POINTS, SHALL BE BACKFILLED TO ELEVATION 6.80 WITH CLIN 1/2"
- 7) SITE DIGGER TO CONFORM SLOPE DETENTION OF 2000 PSF
- 8) 1/2" BRAND WALL TO BE CONFORM WITHIN CLIN 1/2" AND CHASED.
- 9) THE BACKFILL WITHIN THE REINFORCED SLOPE TO BE 2000 PAV/VAL WITH AN INTERNAL ANGLE OF 1/2" 14.24 AND 14.24 AND A UNIT WEIGHT OF 120 PSF CONSIDERED TO VIBR 1/2" PROCTOR DENSITY.
- 10) HAND OPERATED COMPACTION EQUIPMENT TO BE ALLOWED WITHIN 3 FEET OF THE REAR OF THE WALL.
- 11) BACKFILLED GRADED SLOPE ATOP WALL NOT TO EXCEED 3H/1.
- 12) DESIGN SURCHARGE AT SLOPE OF WALL IS 50 PSF.
- 13) MINIMUM GEOTEXTURE LENGTH IS 10'
- 14) MINIMUM RADIUS OF CURVATURE IS 10'
- 15) FACTORS OF SAFETY:
 - OVERSIGHT PS = 2.0
 - INTERNAL STABILITY PS = 1.5
 - TENSILE OVERSTRESS PS = 1.5
 - PULLOUT PS = 1.5
 - INTERSECTION PS = 1.5
 - INTERNAL STABILITY PS = 1.5
 - BRAND PS = 1.5
- 16) T.W. TOP OF WALL (BLOCK)
- 17) S.W. = FINISHED GRADE @ BASE OF WALL
- 18) S.B. = ELEVATION OF FINISHED GRADE TOP OF SLOPE

REVISION DIGEST 4/8/19 -- MAP MARKUPS 6/25/20 SCD		CONKLIN ASSOCIATES PROFESSIONAL ENGINEERS AND LAND SURVEYORS 29 CHURCH STREET P.O. BOX 282, RAMSEY, NJ 07446 PHONE (201) 327-0443, FAX (201) 934-1097 CERTIFICATE OF AUTHORIZATION #24GA28046300		RETAINING WALL REPLACEMENT PROFILES SOIL EROSION & SEDIMENT CONTROL PLAN DETAILS LOT 3 -- BLOCK 4104 DURAR AVENUE VILLAGE OF RIDGEWOOD BERGEN COUNTY, NEW JERSEY FOR HOPPER CONDOMINIUM ASSOCIATION, INC.	
SCALE: AS NOTED ORIGINAL PLAN DATE: 11/28/16 SURVEY DATE: 11/18/16		TIBOR LATINCSCIS N.J.P.E. 32444, N.J.P.P. 3736 	ROBERT WIRTHS N.J.P.L.S. 34025 		
FILE NO.:		PLOT NO.: 3--4104PIT.dwg			