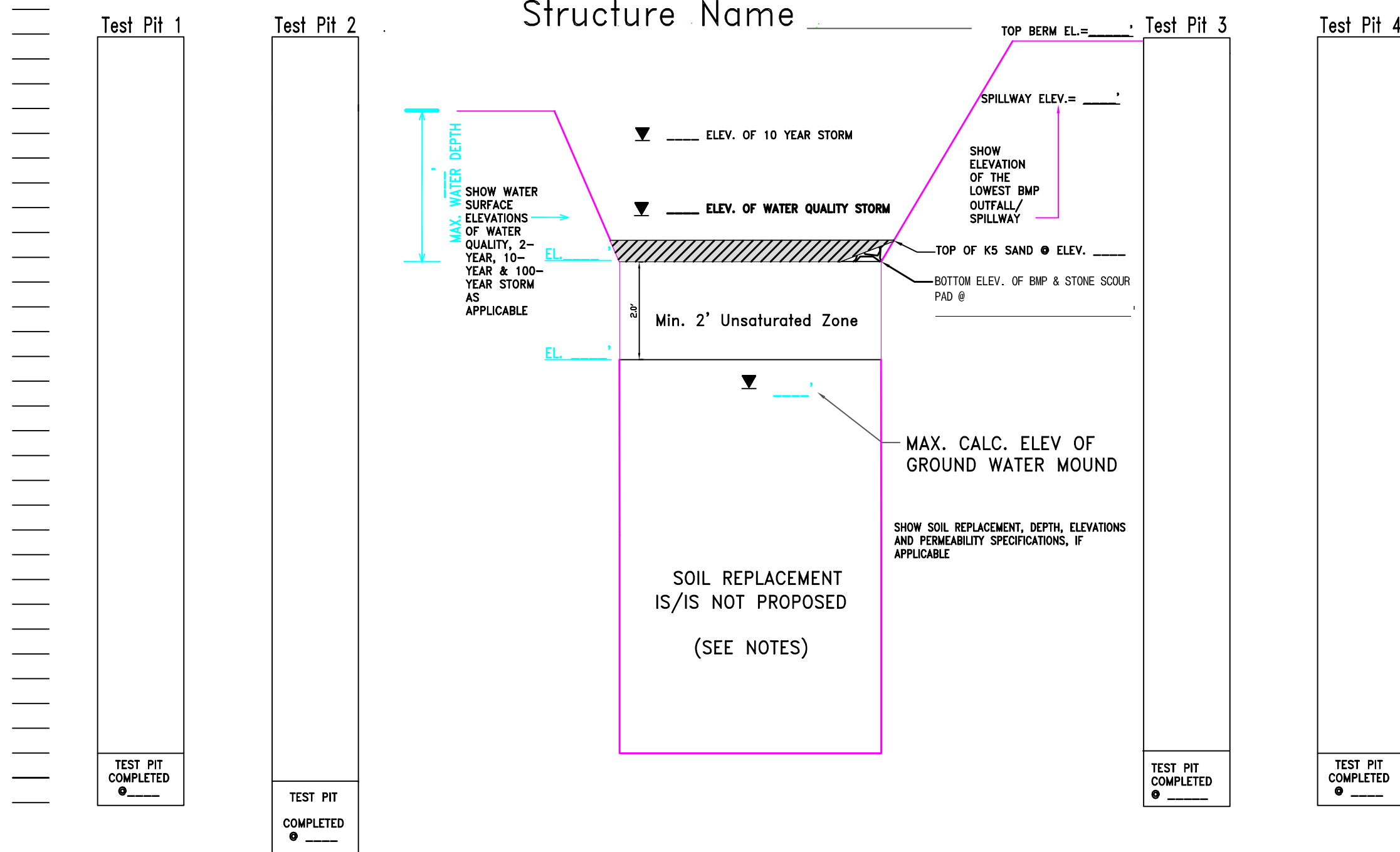


NJ PINELANDS STORMWATER BMP-SOIL PROFILE CROSS-SECTION



NOTES:

- 1) HIGHEST SHWT ELEVATION = _____
 - 2) MAXIMUM CALC. GROUND WATER MOUND ELEV. = _____
 - 3) LOWEST ELEVATION (INVERT) OF BMP BOTTOM = _____
 - 4) DISTANCE BETWEEN BOTTOM OF BMP AND
a. SHWT _____ & b. MAX. GW MOUND _____
 - 5) SOIL REPLACEMENT IS / IS NOT PROPOSED
 - 6) IF PROPOSED, SOIL REPLACEMENT EXTENDS TO ELEV. _____
 - 7) ELEV. AND RATES OF THE PERM. TESTS: _____

TESTS(S) CONDUCTED IN (add soil textures) CHARACTERIZE THE MOST HYDRAULICALLY RESTRICTIVE SOIL TO REMAIN BELOW BMP.
 - 8) SOIL LOGS EXTEND A MINIMUM OF EIGHT FEET BELOW BMP BOTTOM OR TWO TIMES THE MAXIMUM WATER DEPTH IN THE BMP:
a. EIGHT FEET BELOW THE BMP BOTTOM = ELEV. _____, OR
b. TWO TIMES THE MAXIMUM DEPTH OF WATER (Dw) IN THE BMP (AS DEFINED BY THE LOWEST SPILLWAY ELEV.) (Dw' X 2) = ELEV. _____.
- THEREFORE THE TEST PITS MUST PENETRATE TO MIN. _____ ELEV.

DESIGN BY: _____
 NJPE No. _____
 DATE _____
 LAST REV. _____

- * SHOW ORIGINAL GROUND SURFACE ELEVATION AT EACH TEST PIT LOCATION.
- * SHOW DEPTH AND ELEVATION OF EACH HORIZON BOUNDARY IN TEST PIT LOGS.
- * SHOW TEXTURE & MUNSEL COLOR(S) OF EACH HORIZON IN TEST PIT LOGS.
- * SHOW ELEVATION OF SEASONAL HIGH WATER LEVEL IN EACH TEST PIT LOG.

- * SHOW TEST PIT DEPTHS ARE MIN. 8' BELOW BASIN OR TWO TIMES (2x) MAX. WATER DEPTH
- * SHOW ELEVATION AND PERMEABILITY RESULTS (in./hr.) FOR EACH PERMEABILITY TEST
- * SHOW MAX. WATER DEPTH IN BMP (BETWEEN BOTTOM OF BMP AND LOWEST SPILLWAY/OUTFALL ELEV.)
- * SHOW PERM. TESTS IN MOST RESTRICTIVE SOIL TO REMAIN BELOW THE BMP INVERT (4' OR 2X WATER DEPTH)