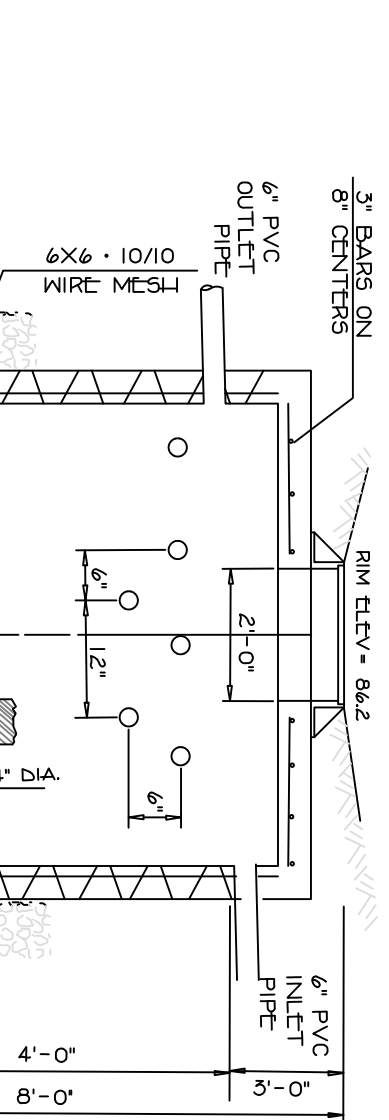
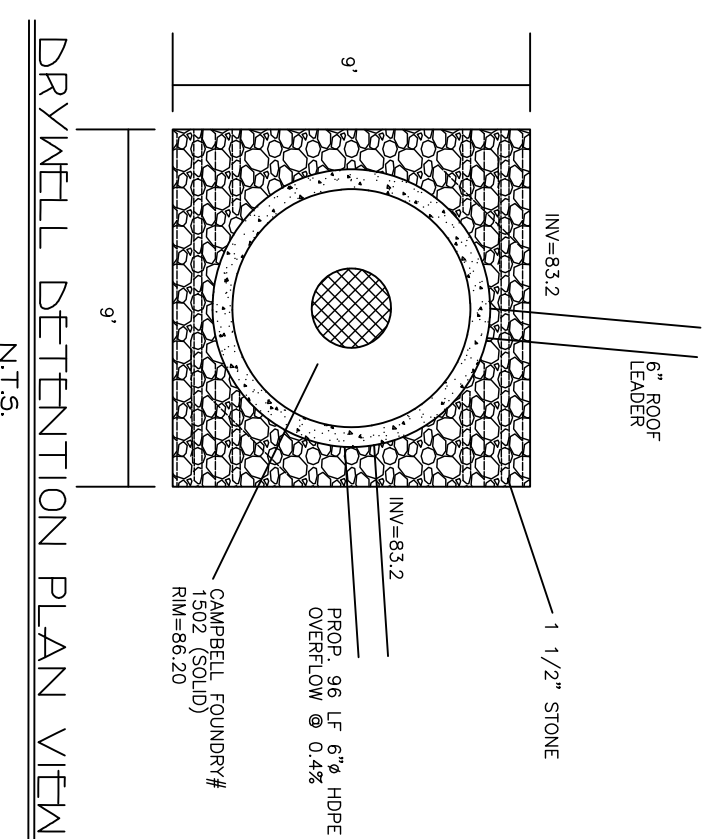
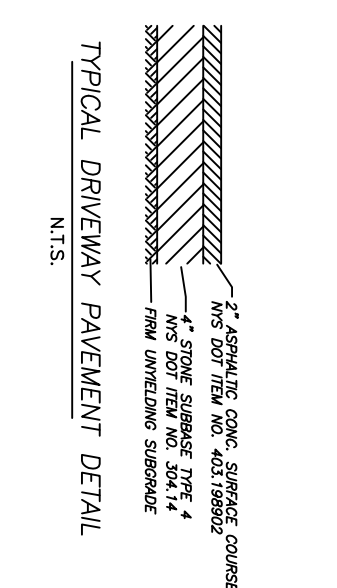
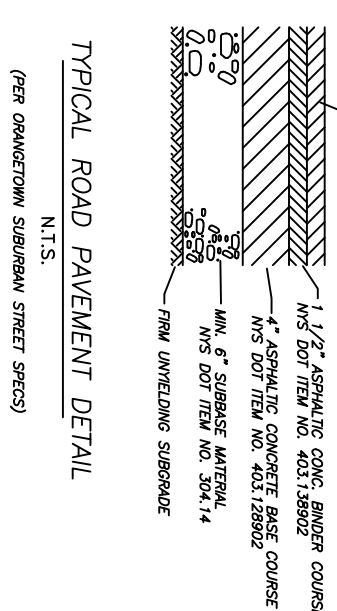
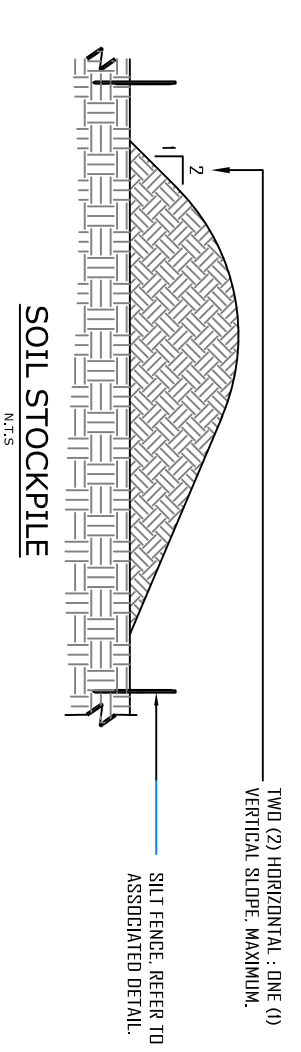
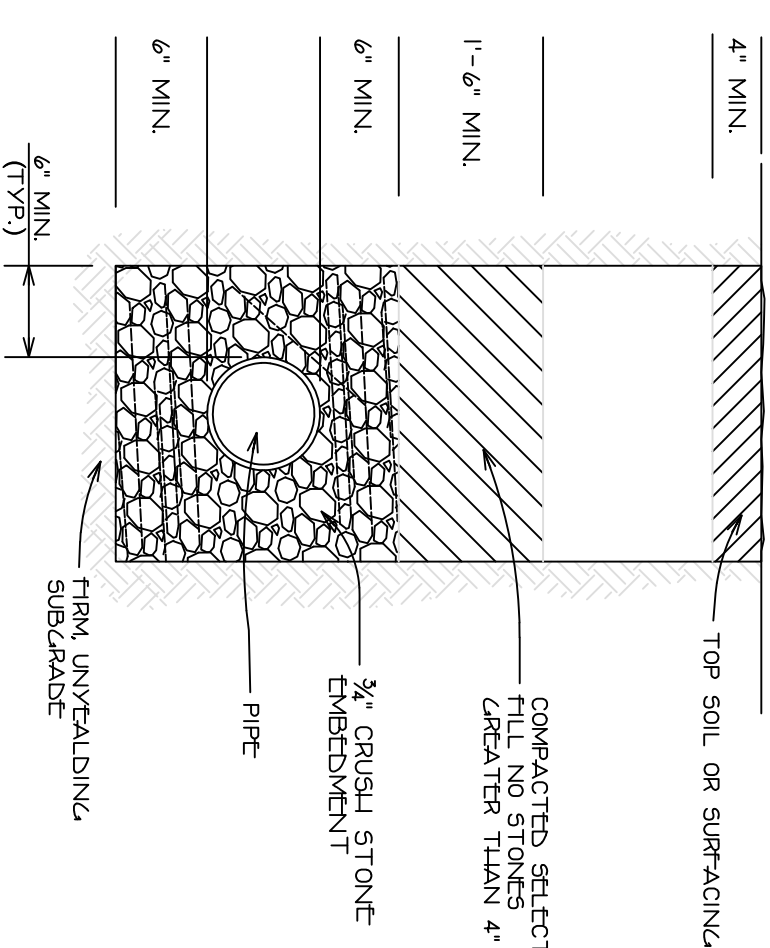


SOIL 5-METER FIELD, HSG, C'
 DRAINAGE AREA SIZE = 1039 SF = 0.024 ACRE
 UNDEVELOPED SCS CURVE NO. = 740000
 DEVELOPED SCS CURVE NO. = 980000

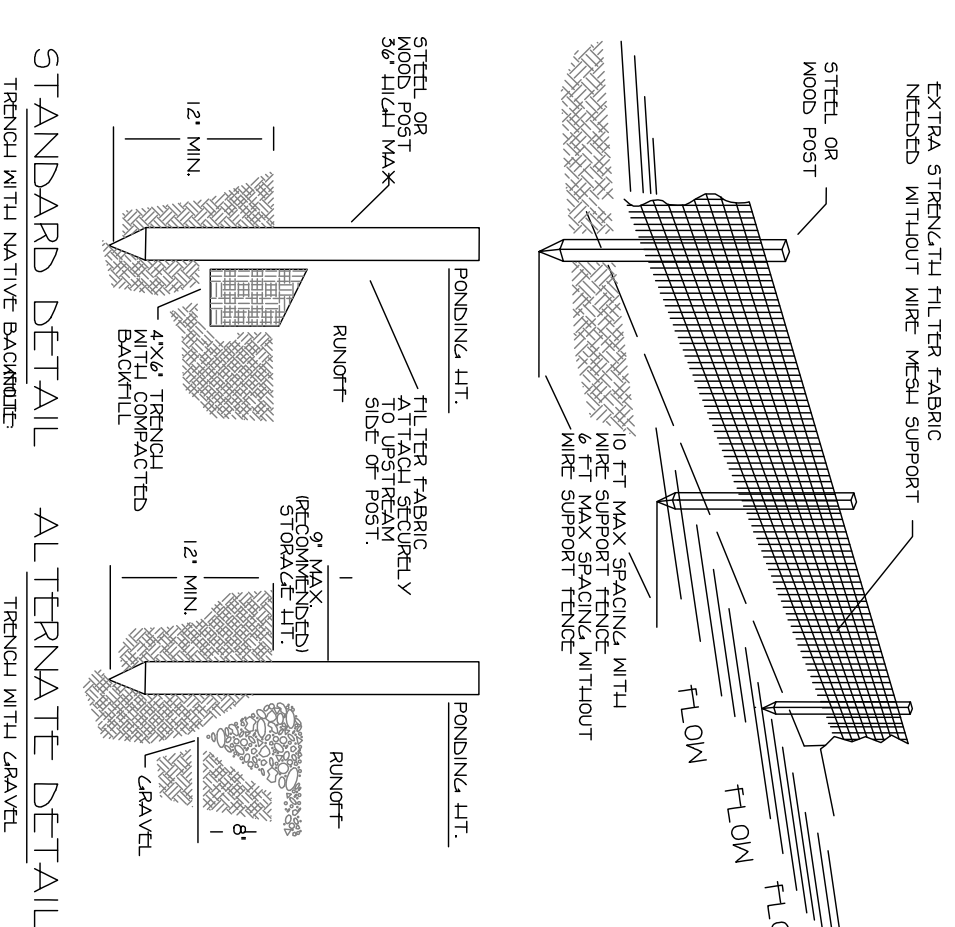
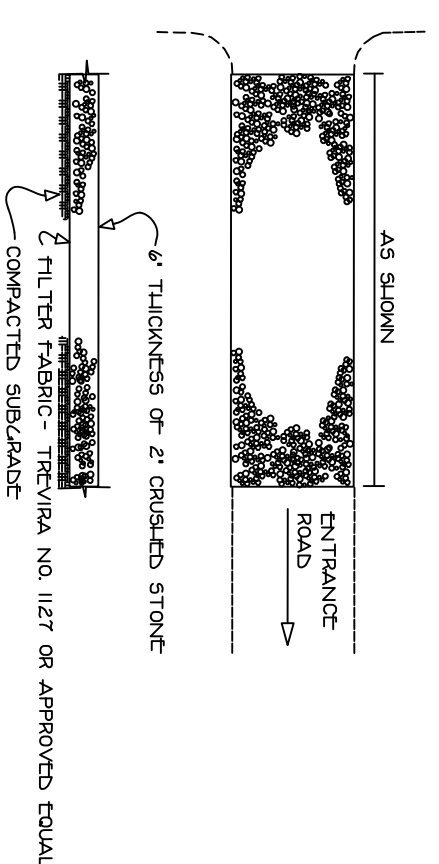


DETENTION BASIN DRYWELL
 N.T.S.
 DRYWELL MAINTENANCE - N.T.S.
 DRYWELL IS TO BE INSPECTED ONCE A YEAR FOR SILT/DEBRIS. IF DEBRIS LEVEL IS GREATER THAN 3 INCHES, THE DRYWELL SHALL BE CLEANED. ALL SILT/DEBRIS SHALL BE MANUALLY REMOVED THROUGH THE SAME CASTING AND DISCARDED APPROPRIATELY.

**PIPE INSTALLATION
 TRENCH SECTIONS**
 N.T.S.



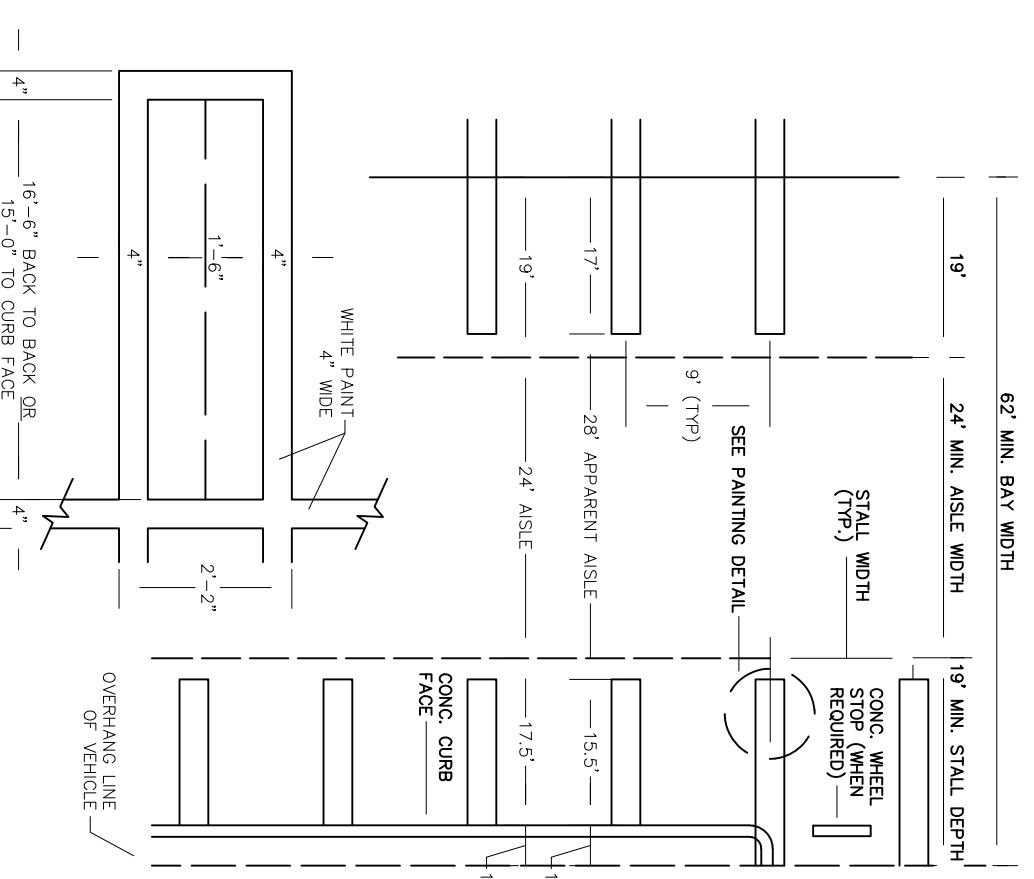
STABILIZED CONSTRUCTION ENTRANCE
 N.T.S.



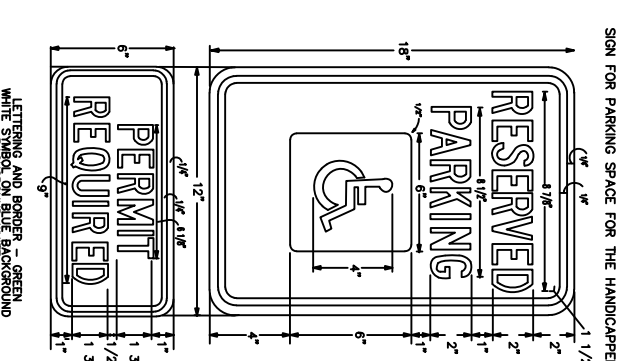
SILT FENCE
 N.T.S.

1. CALCULATE REQUIRED STORAGE VOLUME:
 100YR. 24 HOUR RAINFALL = 9.3000 INCHES
 FROM TABLE 2-1 OF TR-55
 EXISTING CN = 74.0000 THEREFORE DEPTH VR=6.1 INCHES
 PROPOSED CN = 98.0000 THEREFORE DEPTH VR=9.1 INCHES
 DELTA VR = 3.0 INCHES = 0.25 FT
 VS = DELTA V * AREA = 259.8 FT³
 N.T.S.
2. TYPE OF SUBSURFACE DISPOSAL SYSTEM:
 PRECAST DRYWELL WITH 3-3/4 CRUSHED STONE PERCOLATION RATE:
 1.0000 INCHES DROP TIME
 10.0000 MINUTES
3. DETERMINE PERCOLATION RATE:
 A. AREA OF PERCOLATION (AP):
 SURFACE AREA OF CYLINDER
 AC = PI * D * HAVG
 D = 10.000 FOOT
 HAVG = 8.5000 INCHES
 AC = 2.253 FT²
4. CALCULATE REQUIRED STORAGE VOLUME:
 100YR. 24 HOUR RAINFALL = 9.3000 INCHES
 FROM TABLE 2-1 OF TR-55
 EXISTING CN = 74.0000 THEREFORE DEPTH VR=6.1 INCHES
 PROPOSED CN = 98.0000 THEREFORE DEPTH VR=9.1 INCHES
 DELTA VR = 3.0 INCHES = 0.25 FT
 VS = DELTA V * AREA = 259.8 FT³
 N.T.S.
5. CALCULATE VOLUME PER DRYWELL & STONE:
 VM = PI * R² * HEIGHT = 10.000 FEET
 THICKNESS OF STONE = 0.50 FOOT
 THICKNESS OF DRYWELL WALL = 6.0000 FEET
 DIAMETER OF DRYWELL = 4.0000 FEET
 HEIGHT OF DRYWELL = 11.51 FT³
 VM = 314 * 3.2 * 4 = 480 FT³
 VS = RECT. STONE ENV. - DRYWELL SPACE = 9 * 9 * 4 = 680 FT³
 VM + VS = 1060 FT³
6. CALCULATE 24-HOUR PERCOLATION VOLUME PER DRYWELL (VP):
 VP = SIDE SURFACE AREA OF DRYWELL * SOIL PERCOLATION RATE (SR)
 VP = PI * D * H * SR = 177.2 FT³/DAY/DRYWELL
 VT = VM + VS + VP = 1811 + 177.2 = 358.3 FT³
7. CALCULATE THE TOTAL 24-HOUR VOLUME PER DRYWELL (VT):
 VT = VM + VS + VP = 1811 + 177.2 = 358.3 FT³
8. DETERMINE NUMBER OF DRYWELLS REQUIRED (DNR):
 DNR = REQ. VOLUME OF STORAGE / TOTAL VOL. PER DRYWELL (VT)
 DNR = 259.8 FT³ / 358.3 FT³ = 0.73 WELLS

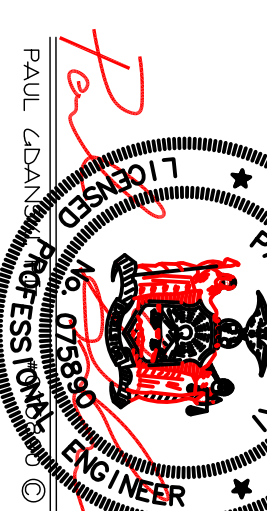
THEREFORE, USE 1 DRYWELL
 INNER DIAMETER = 6 FT
 DEPTH = 4 FT
 SURROUND WITH 9 FT X 9 FT STONE ENVELOPE



HANDICAP PARKING SIGN
 N.T.S.

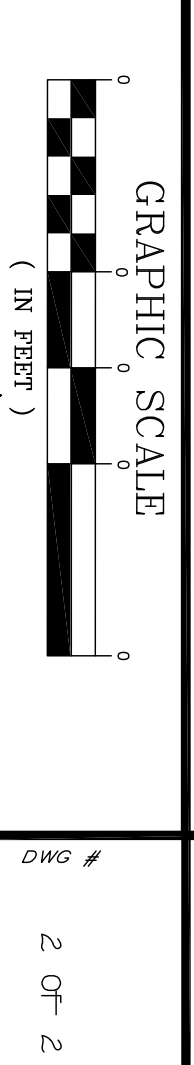


UNAUTHORIZED ALTERATION OR ADDITION TO THIS PLAN IS A VIOLATION OF SECTION 7209D OF THE EPL AND MAY BE PENALIZED. THE SEAL OF THE SURVEYOR OR ENGINEER SHALL NOT BE VALID. CERTIFICATIONS ARE NOT TRANSFERABLE TO ANY OTHER PROJECT. THIS TRANSACTION OR FEDERAL OF PROFESSIONAL ENGINEERS.



DETAIL SHEET
 REVISED FOR
 JASA 517 NORTH RT. 9N LLC
 VILLAGE OF UPPER NYACK
 ROCKLAND COUNTY, NEW YORK

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 633 WOODMONT LANE
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FILE #	517N1414
DATE	APRIL 8, 2021
SCALE	1" = 20'
DWG #	2 OF 2