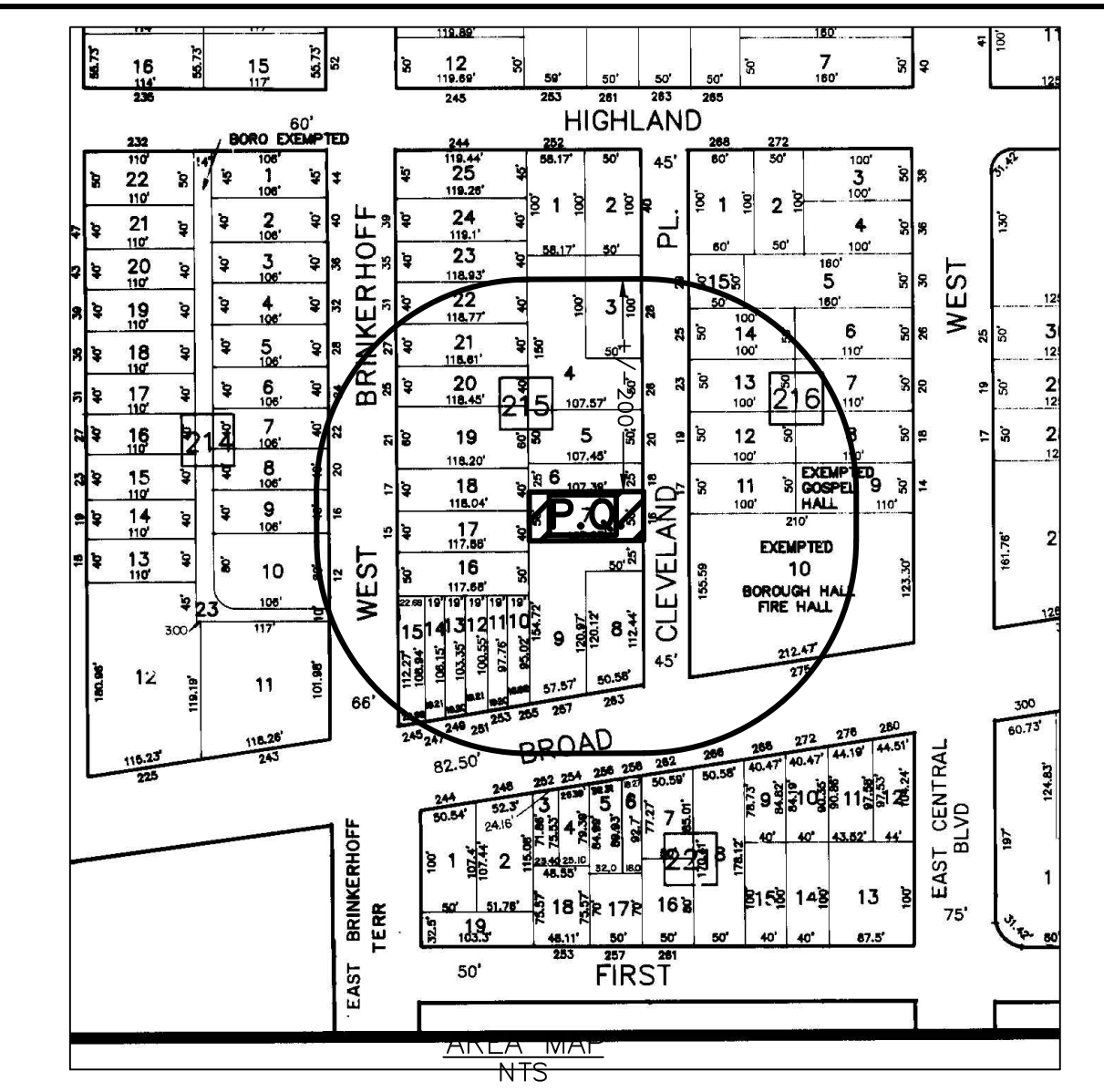


**BERGEN COUNTY SOIL CONSERVATION DISTRICT**  
**SOIL EROSION AND SEDIMENT CONTROL NOTES**

- All soil erosion and sediment control practices will be installed in accordance with the Standards for Soil Erosion and Sediment Control in New Jersey (NJ Standards), and will be installed in proper sequence and maintained until permanent stabilization is established.
- Any disturbed area that will be left exposed for more than thirty (30) days and not subject to construction traffic shall immediately receive a temporary seeding and mulching. If the season prohibits temporary seeding, the disturbed area will be mulched with unrotted straw at a rate of 2 tons per acre anchored by approved methods (i.e. peg and twine, mulch netting, or liquid mulch binder).
- Immediately following initial disturbance or rough grading, all critical areas subject to erosion will receive a temporary seeding in combination with straw mulch or a suitable equivalent, at a rate of 2 tons per acre, according to the NJ Standards.
- Stabilization Specifications:
  - Temporary Seeding and Mulching:
    - Ground Limestone - Applied uniformly according to soil test recommendations.
    - Fertilizer - Apply 11 lbs. /1,000 sf of 10-20-10 or equivalent with 50% water insoluble nitrogen (unless a soil test indicates otherwise) worked into the soil a minimum of 4".
    - Seed - perennial ryegrass 100 lbs./acre (2.3 lbs./1,000 sf) or other approved seed; plant between March 1 and May 15 or between August 15 and October 1.
    - Mulch - Unrotted straw or hay at a rate of 70 to 90 lbs./1,000 sf applied to achieve 95% soil surface coverage. Mulch shall be anchored by approved methods (i.e. peg and twine, mulch netting, or liquid mulch binder).
  - Permanent Seeding and Mulching:
    - Topsoil - A uniform application to an average depth of 5", minimum of 4" firmed in place is required.
    - Ground Limestone - Applied uniformly according to soil test recommendations.
    - Fertilizer - Apply 11 lbs. /1,000 sf of 10-10-10 or equivalent with 50% water insoluble nitrogen (unless a soil test indicates otherwise) worked into the soil a minimum of 4".
    - Seed - Turf type tall fescue (blend of 3 cultivars) 350 lbs./acre (8 lbs./1,000 sf) or other approved seed; plant between March 1 and October 1 (summer seeding requires irrigation).
    - Mulch - Unrotted straw or hay at a rate of 70 to 90 lbs./1,000 sf applied to achieve 95% soil surface coverage. Mulch shall be anchored by approved methods (i.e. peg and twine, mulch netting, or liquid mulch binder) and maintained such that all stormwater runoff is diverted to soil erosion and sediment control facilities.
- The site shall at all times be graded and maintained such that all stormwater runoff is diverted to soil erosion and sediment control facilities.
- Soil erosion and sediment control measures will be inspected and maintained on a regular basis, including after every storm event.
- Stockpiles are not to be located within 50' of a floodplain, slope, roadway or drainage facility. The base of all stockpiles shall be contained by a haybale sediment barrier or silt fence.
- A crushed stone, vehicle wheel-cleaning blanket will be installed wherever a construction access road intersects any paved roadway. Said blanket will be composed of 1" - 2 1/2" crushed stone, 6" thick, will be at least 30' x 100' and should be underlain with a suitable synthetic sediment filter fabric and maintained.
- Maximum side slopes of all exposed surfaces shall not exceed 3:1 unless otherwise approved by the District.
- Driveways must be stabilized with 1" - 2 1/2" crushed stone or subbase prior to individual lot construction.
- All soil washed, dropped, spilled or tracked outside the limit of disturbance or onto public right-of-ways, will be removed immediately. Paved roadways must be kept clean at all times.
- Catch basin inlets will be protected with an inlet filter designed in accordance with Section 28-1 of the NJ Standards.
- Storm drainage outlets will be stabilized, as required, before the discharge points become operational.
- Dewatering operations must discharge directly into a sediment control bag or other approved filter in accordance with Section 14-1 of the NJ Standards.
- Dust shall be controlled via the application of water, calcium chloride or other approved method in accordance with Section 16-1 of the NJ Standards.
- Trees to remain after construction are to be protected with a suitable fence installed at the top line or beyond in accordance with Section 9-1 of the NJ Standards.
- The project owner shall be responsible for any erosion or sedimentation that may occur below stormwater outfalls or off-site as a result of construction of the project.
- Any revision to the certified Soil Erosion and Sediment Control Plan must be submitted to the District for review and approval prior to implementation in the field.
- The project owner shall be responsible for any erosion or sedimentation that may occur below stormwater outfalls or off-site as a result of construction of the project.
- Any revision to the certified Soil Erosion and Sediment Control Plan must be submitted to the District for review and approval prior to implementation in the field.
- A copy of the certified Soil Erosion and Sediment Control Plan must be available at the project site throughout construction.
- The Bergen County Soil Conservation District must be notified in writing, at least 48 hours prior to any land disturbance; Bergen County SCD, 700 Kinderkamack Road, Suite 106, Oradell, NJ 07649. Tel: 201-261-4407; Fax: 201-261-7573.
- The Bergen County Soil Conservation District may request additional measures to minimize on or off-site erosion problems during construction.
- The owner must obtain a District issued report of compliance prior to the issuance of any certificate of occupancy. The District requires at least one week's notice to facilitate the scheduling of all report of compliance inspections. All site work must be completed, including temporary/permanent stabilization of all exposed areas, prior to the issuance of a report of compliance by the District.

**Revised 12/7/17**



**BUILDING HEIGHT CALCULATIONS**

AVG. FINISHED GRADE = 87.25  
 PROPOSED MID-ROOF = 120.08  
 PROPOSED HEIGHT = 32.83

**DRAINAGE CALCULATIONS**

PROP. BUILDING AND DRIVEWAY = 3,286 SF  
 2" RAINFALL = (3,286 SF)(2"/12") (7.48 GALL./CF) = 4,097 GALLONS

PROPOSED (1) SEEPAGE PIT IN 10'x10' EXCAVATION PROVIDES 2,566 GALL. STORAGE (USE 2)

**EARTHWORK CALCULATIONS**

BUILDING AREA = 2,498 SF  
 AVG. FILL = 1  
 FILL = 93 CY

DETENTION SYSTEM = 200 SF  
 AVG. CUT = 6"  
 CUT = 67 CY

NET IMPORT = 26 CY

THIS PROJECT IS EXEMPT FROM SOIL COMPACTION TESTING AND REMEDIATION AS IT IS LOCATED IN AN URBAN REDEVELOPMENT AREA

**SOIL LOG**

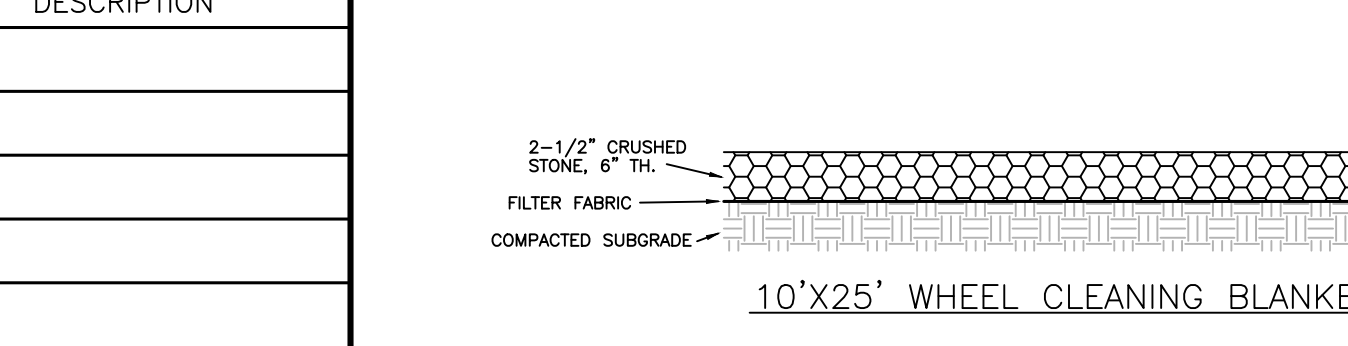
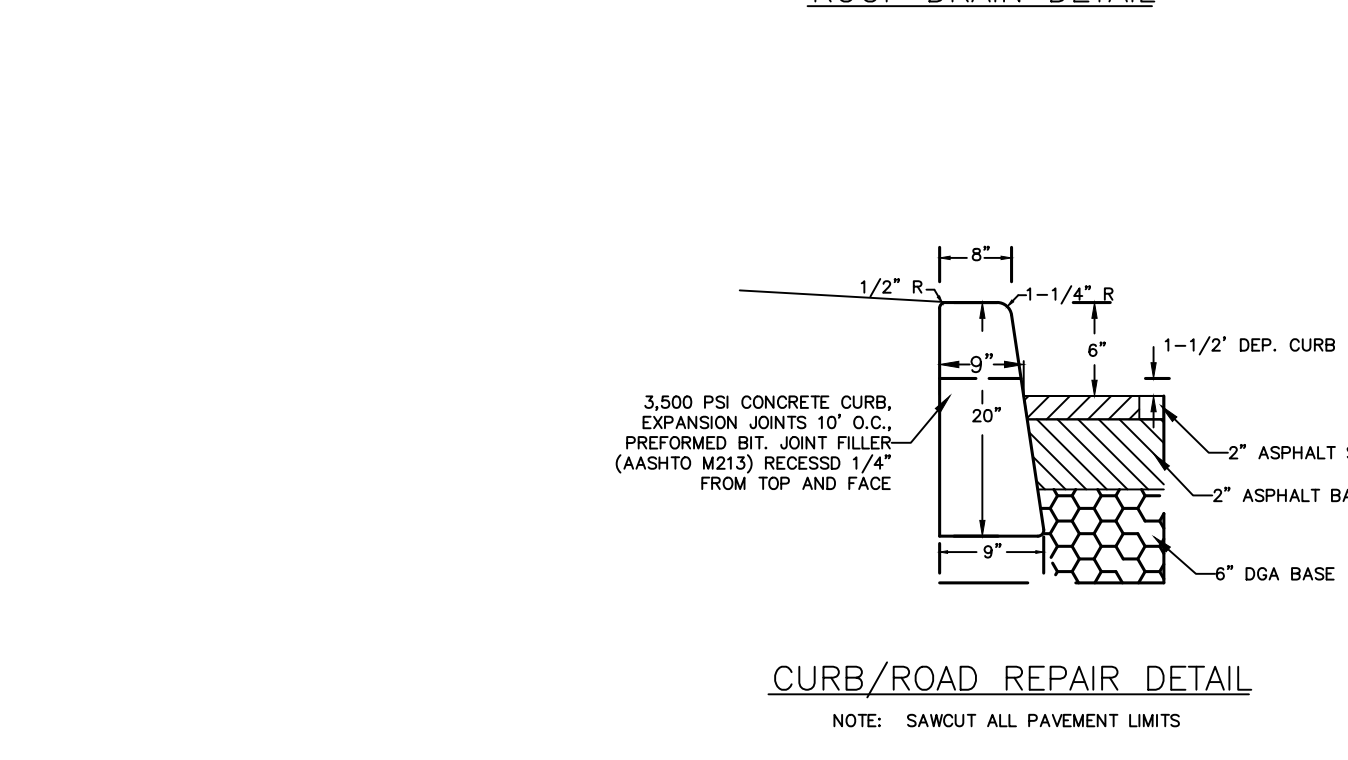
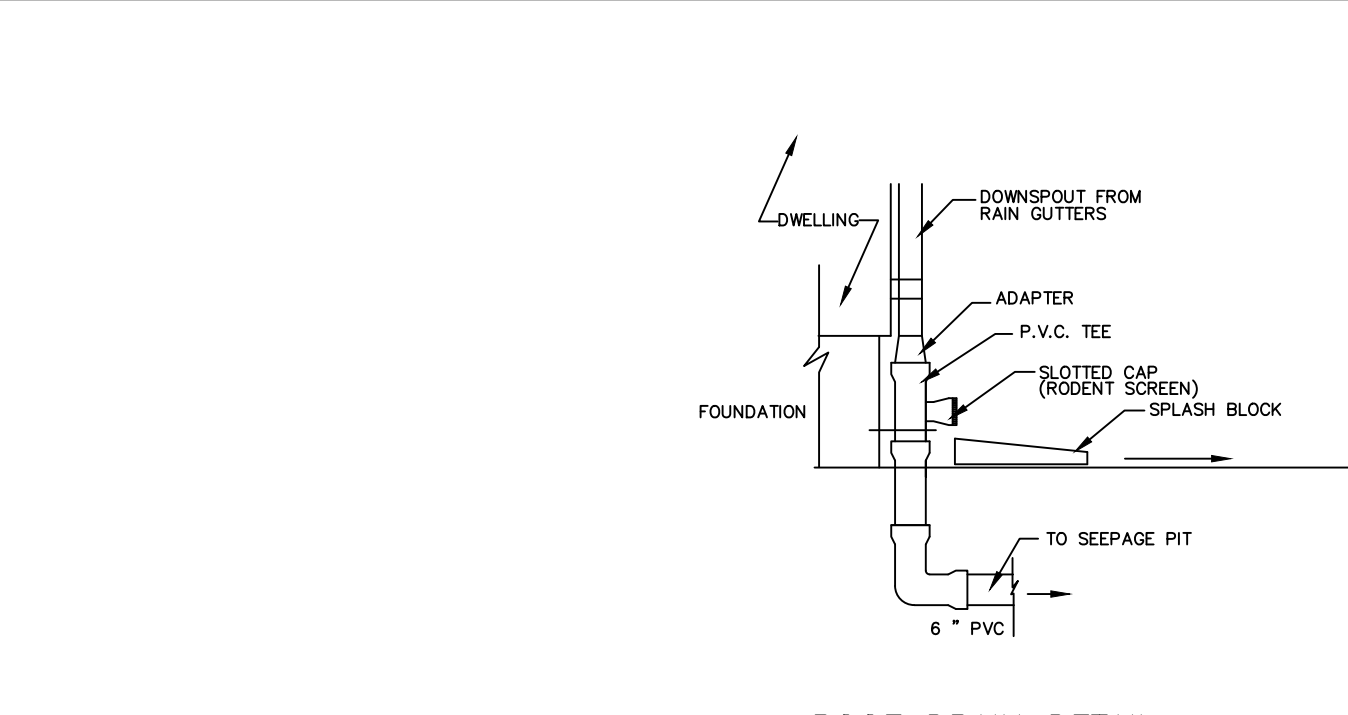
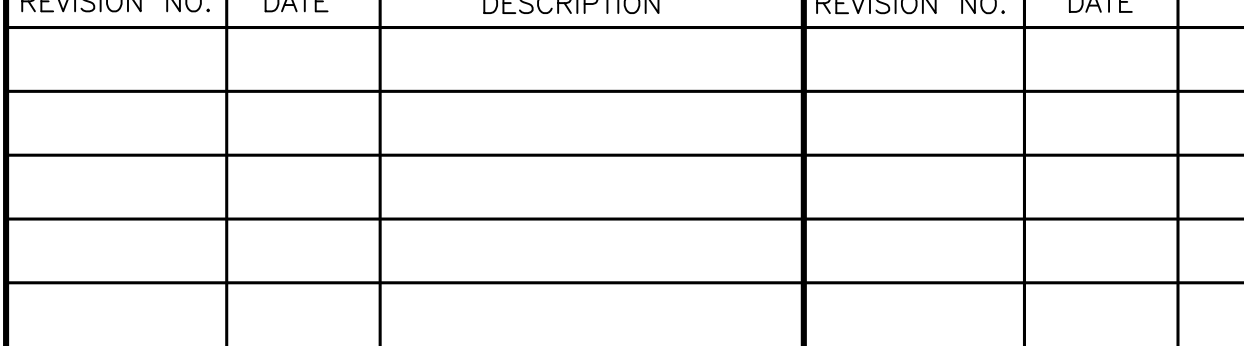
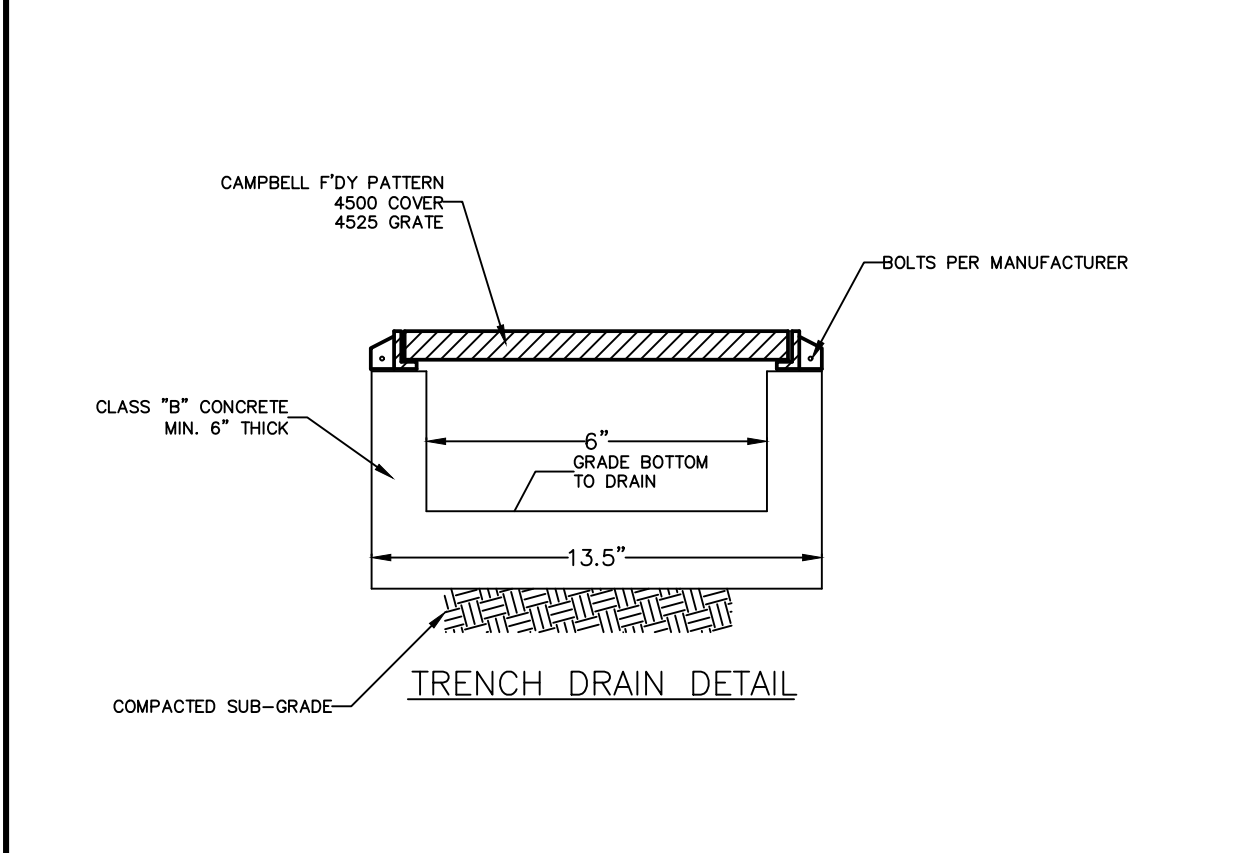
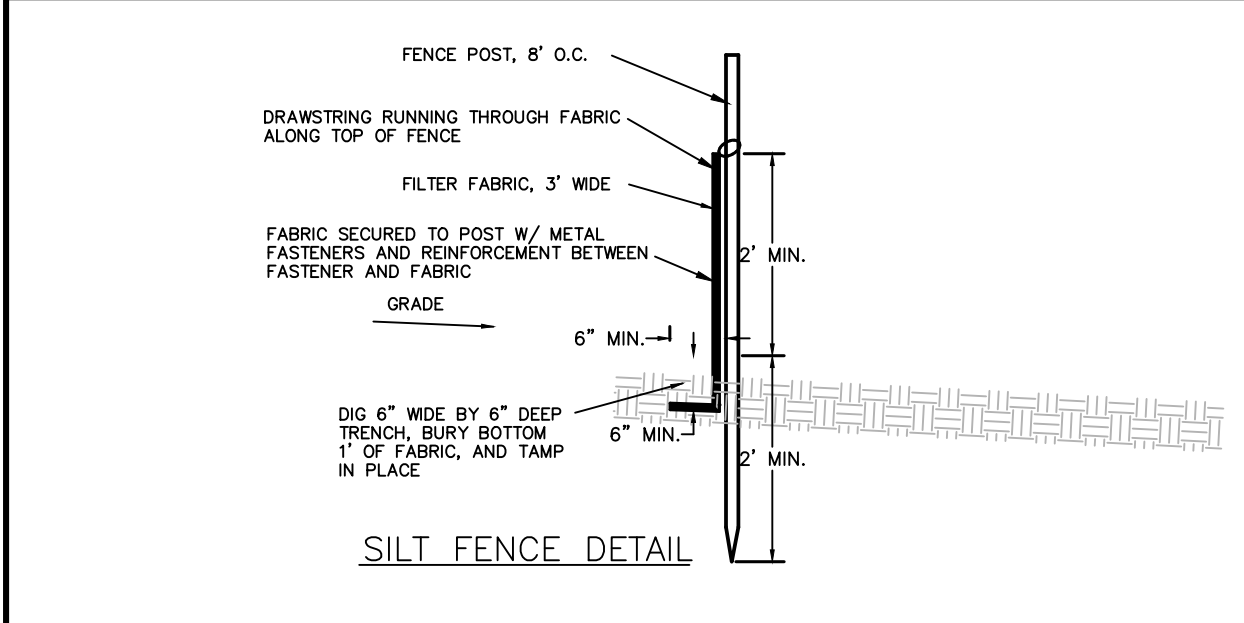
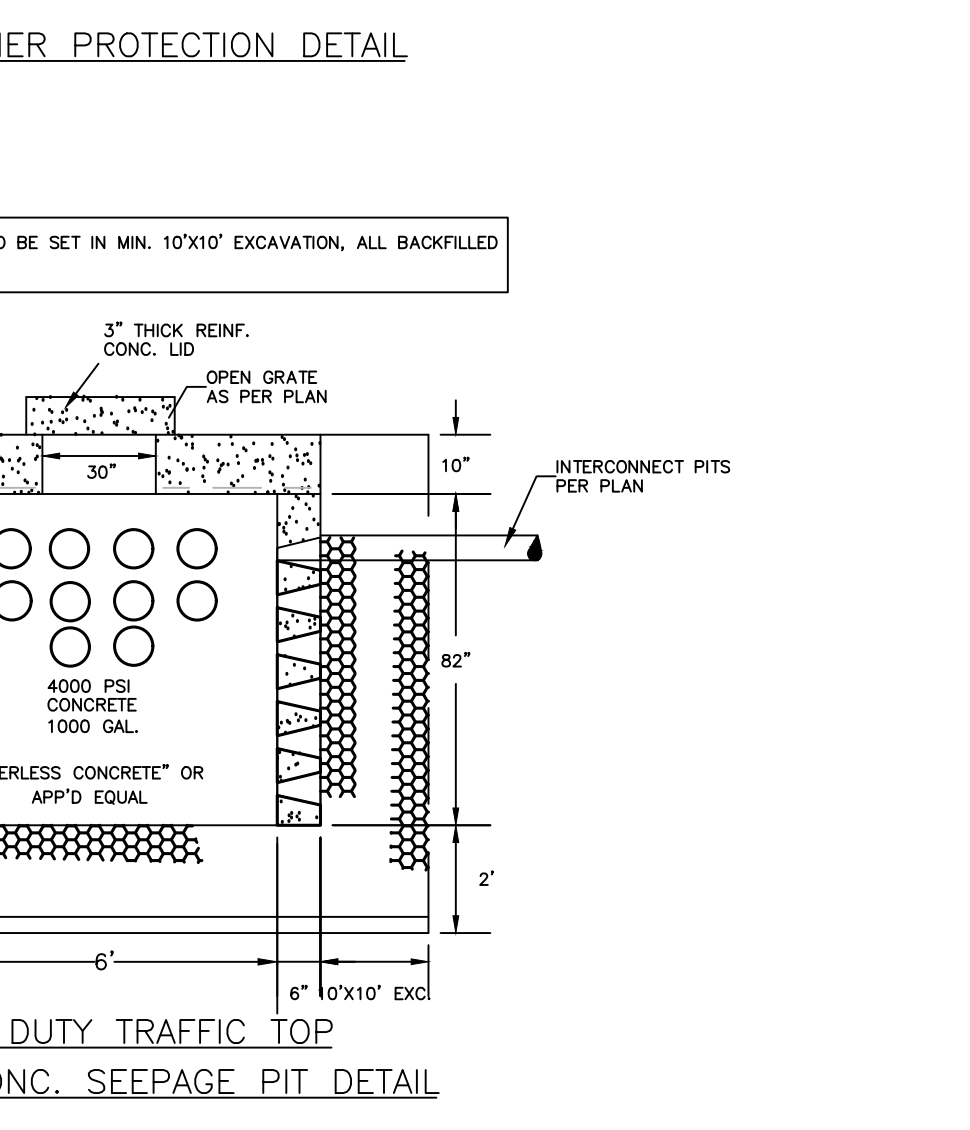
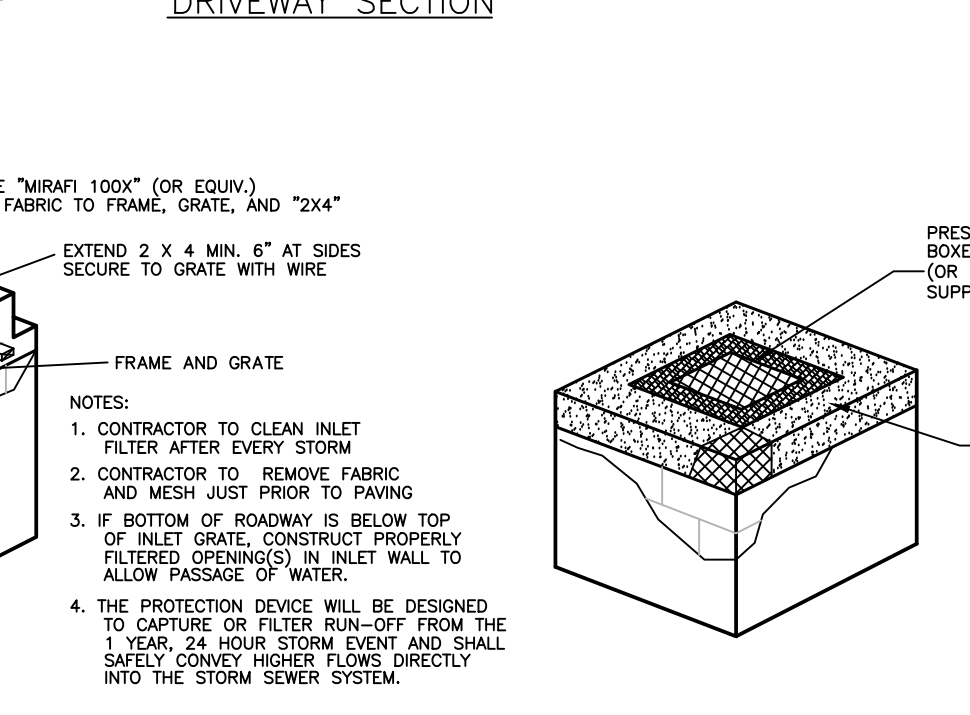
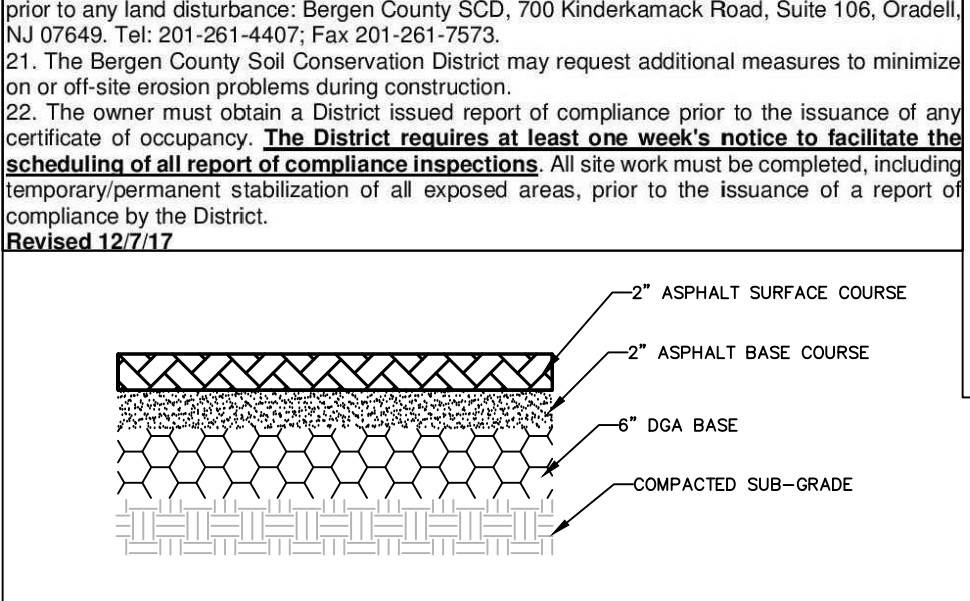
DURING FIRST STAGE OF CONSTRUCTION, SOIL LOGS TO BE PERFORMED IN SUPPORT OF PROPOSED DETENTION SYSTEM. BOROUGH ENGINEER SHALL WITNESS SOIL TESTS FOR PROPOSED SYSTEM LOCATIONS.

**CONSTRUCTION SEQUENCE:**

- INSTALL ALL SOIL EROSION AND SEDIMENT CONTROL DEVICES AS PER PLAN, INCLUDING SILT FENCE AND WHEEL CLEANING BLANKET PER PLAN.
- EXCAVATE AND INSTALL FOUNDATION.
- CONSTRUCT UTILITY CONNECTIONS.
- COMPLETE BUILDING CONSTRUCTION.
- INSTALL LANDSCAPING.
- CONDUCT SOIL COMPACTION TESTING AND REMEDIATE SUBSOIL (SCARIFICATION/TILLAGE TO A MINIMUM DEPTH OF 6") IF NECESSARY.
- UNIFORMLY APPLY TOPSOIL TO AN AVERAGE DEPTH OF 5", MINIMUM OF 4" FIRMED IN PLACE.
- APPLY FERTILIZER SEED AS PER LANDSCAPE PLAN.
- REMOVE ALL SEED DEVICES UPON FINAL STABILIZATION.

**THOMAS W. SKRABLE, P.E.**  
 PROFESSIONAL ENGINEER, NJ 36679, NY 75377  
 PROFESSIONAL PLANNER, NJ 5204

**"257 BROADAVE LLC"**  
 BLOCK 215 LOT 7  
 #16 CLEVELAND PLACE  
 BOROUGH OF PALISADES PARK  
 BERGEN COUNTY NEW JERSEY



REVISION NO.	DATE	DESCRIPTION	REVISION NO.	DATE	DESCRIPTION

**THOMAS W. SKRABLE, P.E., P.P., C.M.E.**  
 CONSULTING ENGINEER  
 65 RAMAPO VALLEY ROAD, SUITE 213, MAHWAH, NJ 07648  
 201-529-5010

DRAWN BY: T.S.  
 SURVEYED BY: L.S.  
 DESIGNED BY: T.S.  
 CHECKED BY: T.S.  
 D'WG NO. 20200PP0  
 JOB NO. 20-200  
 SHEET 1 OF 1  
 1" = 10' H