

DRAFT Stormwater Pollution Prevention Plan for:

New Commissary Facility
Naval Station New York, Mitchel Field
Garden City, New York

Facility Operators: Defense Commissary Agency
Richard Baes
2250 Foulis St, Suite 3
Lackland AFB, TX 78236-1039
(210) 671-8421
richard.baes@deca.mil

Stormwater Manager and SWPPP Contact:

Stormwater Program Manager:

SWPPP Contractor (To be determined)
Contact:

SWPPP Preparation Information:

Prepared by: Civiltech Engineering, Inc.
Gary P. Overbay, P.E.
500 Coventry Lane, Suite 290
Crystal Lake, IL 60014
(815) 893-5142 (P)
goverbay@civiltechinc.com

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Estimated Project Construction Dates:

Start of Construction: May 2012
Completion of Construction: November 2013

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SECTION 1: SITE EVALUATION, ASSESSMENT, AND PLANNING

1.1 *Project/Site Information*

Project/Site Name: New Commissary Facility

Project Street/Location:

City: Garden City State: New York Zip Code: 11530

County or Similar Subdivision: Nassau County

Latitude/Longitude (Use **one** of three possible formats, and specify method)

Latitude:

1. 40° 43' 44" N (degrees, minutes, seconds)

Longitude:

1. 73° 36' 02" W (degrees, minutes, seconds)

Method for determining latitude/longitude:

USGS topographic map (specify scale: _____) EPA Web site GPS

Other (please specify):

Is the project located in Indian country? Yes No

If yes, name of Reservation, or if not part of a Reservation, indicate "not applicable." N/A

Is this project considered a federal facility? Yes No

SPDES project or permit tracking number: (to be assigned)

(This is the unique identifying number assigned to your project by your permitting authority after you have applied for coverage under the appropriate SPDES construction general permit.)

1.2 Contact Information/ Responsible Parties

Project Information:

Operators:

Defense Commissary Agency
Richard Baes
2250 Foulis St, Suite 3
Lackland AFB, TX 78236-1039
(210) 671-8421
richard.baes@deca.mil

Project Manager or Site Supervisor:

To be determined

SWPPP Prepared By:

Civiltech Engineering, Inc.
Gary P. Overbay, P.E.
500 Coventry Lane, Suite 290
Crystal Lake, IL 60014
(815) 893-5142 (P)
goverbay@civiltechinc.com

1.3 Nature and Sequence of Construction Activity

The proposed construction will consist of a new single story building of approximately 27,000 square feet. The new building will be located north of Davis Avenue and east of Railroad Avenue, immediately south of and offset slightly east of the existing Navy Exchange. The building will face north, forming an "L" with the existing Exchange building. The existing Commissary facility is located at the northwest corner of 7th Street and Geoffrey Avenue, directly north of the existing Navy Exchange. The project site is bounded to the west by Railroad Avenue, to the south by Davis Avenue, to the east by an existing concrete driveway along the east side of the Navy Exchange parking lot, and to the north by 7th Street.

The soil disturbing activity associated with this project will include removal of existing pavement and sidewalk, some minor stripping of topsoil, installing stabilized construction entrances, installing erosion and sediment control measures, the building construction, reconstructing the existing parking lot, driveways, a truck loading area, site grading, and excavation for utilities. The site of the new Commissary has been developed a number of times for various uses, and is almost entirely impervious. Due to very limited areas for pervious cover,

sub-surface detention within an 33" rock layer (NYSDOT No. 5) under the new parking lot pavement will serve as a permanent BMP to reduce and filter stormwater runoff and encourage infiltration within the soil. In general, the mass grading to be completed will involve only minor cutting and filling, construction of the building pad, the rock storage layer, and parking lot and roadway base courses. After completion of these items, permanent landscape restoration will be installed on all remaining pervious areas which were disturbed during construction.

What is the function of the construction activity?

Residential Commercial Industrial Road Construction

Linear Utility

Other (please specify): _____

Estimated Project Start Date:

May 2012

Estimated Project Completion Date:

November 2013

Construction must be sequenced to minimize the exposure time of cleared surface areas and prevent exposing excess bare earth during construction. The Contractor is to coordinate the phased work and interface the pollution prevention plan to maintain continuous pollution prevention. Areas of one phase should be stabilized before other phases are initiated. Stabilization shall be accomplished by temporarily or permanently protecting the disturbed soil surface from rain fall impacts and runoff.

- 1.) Prior to any construction activity, a preconstruction meeting must be held with Mitchel Field personnel (Mitchel Field has no permanent public works staff. The construction oversight will be provided by Subbase New London, CT DPW), the Applicant, and the Applicant's construction representative.
- 2.) Construction staging and material storage areas will be established including the construction of the temporary concrete washout area.
- 3.) Prior to any construction activity, construction BMPs including a stabilized construction entrance, perimeter silt fence and tree protection, and drop inlet protection must be established as indicated on the Erosion Control Plan.
- 4.) Complete site clearing. Any disturbed slopes in excess of 3 horizontal to 1 vertical in areas where construction activity will cease for more than 14 days must be stabilized with erosion blankets and silt fence.
- 5.) Rough grade site and install utilities, storm conveyance system, underpavement detention, sanitary sewer and water connections and begin the building construction. Install additional BMPs for new storm facilities as indicated on the Erosion Control Plans. Construction chain link fence must be installed and maintained around the site perimeter to provide security during construction.

- 6.) Finish grade building and truck dock area and construct asphalt parking areas, access drives, concrete loading docks, sidewalks, and curbs and gutters.
- 7.) Finalize grading operations, install final stabilization including permanent seeding in all disturbed areas. Remove temporary erosion control facilities when disturbed areas tributary to the facilities have been completely stabilized.
- 8.) File SPDES - NOT.
- 9.) Post Construction: Monitor stabilized areas for three months.
- 10.) Estimated Beneficial Occupancy Date: November 2012

1.4 Soils, Slopes, Vegetation, and Current Drainage Patterns

Soil type:

The soil borings performed in August 2010 by Professional Service Industries, Inc. indicate surficial conditions consisting of a 1 to 3 inch layer of asphalt underlain by up to 3 inches of gravel, 1 to 6 inches of gravel cover, or topsoil up to 3 inches in depth. In two borings, an 11-inch concrete pavement was encountered below the asphalt, assumed to be an abandoned road within the alignment of Geoffrey Avenue. Below the surface material, fill was encountered from depths of 2 to 7 feet below the ground surface. The fill was typically classified as brown to dark brown/gray silty sand or sandy silt with varying amounts of gravel. The fill material was the deepest in two boring locations, in the area of a recently-demolished residential building that contained a basement. Underneath the fill material, glaciofluvial deposits were encountered in all boring locations to the boring termination depths. These soils were generally classified as tan to brown to orange brown poorly-graded sand with varying amounts of fine gravel and silt, and standard penetration tests indicated medium dense to very dense relative densities. Groundwater was only encountered at one test boring, at a depth of 34 feet below the ground surface. No groundwater was found in the other test borings, which were drilled no deeper than 30 feet.

An NRCS Soil Survey indicated soil ratings within the vicinity of the project site as Hempstead Silt Loam, Hydrologic Soil Group B.

Slopes:

The existing overall topography of the site is relatively flat and generally consists of paved parking areas with slopes varying from 1% to 2%. Current elevations across the site range from 87 to 91 feet. The site currently is drained by a combination of drywells within the existing pavement area and outfalls to south to the existing storm sewers in Davis Avenue. The new Commissary building will be constructed approximately 2 feet above existing grade, and upon completion, the site will drain away from the building in each direction. The pavement will slope away from the new Commissary and existing Exchange building at a grade of 1.0% or greater to a series of catch basins located within the reconstructed parking lot.

Drainage Patterns:

Storm water from the new Commissary site is currently served by an enclosed drainage system consisting of a series of drywells and storm sewers in Davis Street that drains east and west from the site. The majority of the site proposed for construction is currently impervious. There is no apparent detention or storm water quality facility currently provided on the project site.

Storm water from the roof area and parking area of the new Commissary building, as well as the reconstructed parking lot for the existing Exchange building will be collected in an enclosed drainage system and conveyed to the south and tied in to the existing 36" storm sewer system on Davis Street that flows eastward to an unknown outfall. A restrictor will be installed at this tie-in point, which will detain storm runoff within an 33-inch open-graded rock base for the main parking lot capable of storing storm water. A similar enclosed, subsurface detention system will be installed for the rear parking area with a restricted tie-in to a separate existing storm structure on Davis Street that directs storm water westward to an unknown outfall.

The new on-site storm sewer system has been designed to accommodate 5 inches of detention volume in accordance with the Nassau County Department of Public Works requirements (with waiver, which is to be applied for). Additionally, the site has been graded such that if the storm sewer system fails the 100-year rain will follow its current patterns off of the site without causing damage to any new or existing structure.

Vegetation:

Prior to a recent demolition project on the future Commissary site, approximately 10 percent of the site was pervious with grass cover. The remainder of the site was impervious area consisting of three existing buildings (the existing Exchange, an abandoned warehouse, and a small two-story office building), parking areas, sidewalks, roads, and alleys. The demolition project removed the existing warehouse and office building in preparation of the new Commissary installation. The footprints of these demolished buildings have been covered with gravel and used as parking in the interim.

The available area to provide landscaping on this project is minimal. The majority of the landscaped areas consist of the parkway areas along Davis Avenue and Seventh Avenue and the islands immediately adjacent to the building. There will be the opportunity to provide some decorative planting on either side of the plaza in front of the building. The planting areas around the front entrance of the Commissary are the only areas on-site to be irrigated.

Other:

N/A

1.5 Construction Site Estimates

The following are estimates of the project site characteristics before and after construction:

Construction Site Area to be disturbed:	3.5 acres
Total Project Area:	3.5 acres
Percentage impervious area before construction:	71%
SCS Runoff Curve Number before construction:	92
Percentage impervious area after construction:	84%
SCS Runoff Curve Number after construction:	92

1.6 Receiving Waters

Description of receiving waters:

There is no apparent water body of water in which the future Commissary site is tributary to. Research of neighboring sites indicates that drywells and recharge basins are the primary outfalls for storm water within the site vicinity, and it is assumed that the storm sewer along Davis Avenue daylights to these types of facilities.

Description of storm sewer systems:

The proposed drainage facilities for the new Commissary have been designed to store 5 inches of storm water runoff, in accordance with Nassau County drainage requirements. Because limited area is available on site for above-ground storage, the required storage area will be provided in a large, underground open-graded rock detention course underneath the proposed parking lot pavement area.

Storm water from the building roof and the main parking area east of the new Commissary and existing Exchange will enter an underground rock storage layer under this parking area approximately 40,000 square feet in size. The stormwater will enter a series of storm structures and flow via an enclosed storm sewer system toward an existing storm manhole on Davis Avenue at the new main driveway for the Commissary, which flows east. A restrictor plate will be installed prior to this existing manhole to maintain an acceptable release rate, causing heavy storm water flow to back up in the storm sewer and drainage structures and enter the underground storage via a network of 8" underdrains. The site has been designed so that any potential overflow to this system in the event of a major storm or failure of the system will drain over the parking area pavement to Davis Avenue without damaging any buildings.

Storm water runoff from the parking area east of the new Commissary will be detained in a similar underground rock detention layer under the parking area, approximately 8,000 square feet in size. The controlled release will enter a separate storm manhole on Davis Avenue at its intersection with Railroad Avenue, which flows west.

Description of impaired waters or waters subject to TMDLs:

All indications show the site does not drain to any surface waters, therefore no TMDL restrictions apply.

1.7 Site Features and Sensitive Areas to be Protected

Description of unique features and measures to protect them:

The site does not contain any unique features or sensitive areas to be preserved. There are trees located near perimeter of the site that will be preserved. The locations of these trees and a detail for tree protection fencing have been provided in the Erosion Control Plans and Details in Appendix B.

1.8 Potential Sources of Pollution

Potentials sources of sediment to stormwater runoff:

- Potential sources of sediment include clearing and grubbing operations, grading and site excavation operations, vehicle tracking, topsoil stripping and stockpiling, and landscaping operations.

Potential pollutants and sources, other than sediment, to stormwater runoff:

- Combined staging area including fueling activities, major equipment maintenance, sanitary facilities, and hazardous waste storage.
- Materials storage area including general building materials, solvents, adhesives, paving materials, paints, aggregates, trash.
- Construction activity including paving, curb/gutter installation, concrete pouring/mortar/stucco, building construction.
- Concrete washout areas.

1.9 Endangered Species Certification

Are endangered or threatened species and critical habitats on or near the project area?

Yes No

- Describe how this determination was made:

A Finding of No Significant Impact (FONSI) for the new Commissary concluded that there is no potential for impacts to threatened or endangered species because the project area does not support any protected species and lacks suitable habitat. The FONSI is located in Appendix L.

- If yes, describe the species and/or critical habitat: N/A

- If yes, describe or refer to documentation which determines the likelihood of an impact on identified species and/or habitat and the steps taken to address that impact. (Note, if species are present on or near your project site, EPA strongly recommends that the site operator work closely with the appropriate field office of the U.S. Fish and Wildlife Service or National Marine Fisheries Service. Please contact a state or tribal official for concerns related to state or tribal listing of species.): N/A

1.10 Historic Preservation

Are there any historic sites on or near the construction site?

Yes No

- Describe how this determination was made:
A Finding of No Significant Impact (FONSI) for the new Commissary concluded the project would have no adverse effect on historic properties. The FONSI is located in Appendix L.
- If yes, describe or refer to documentation which determines the likelihood of an impact on this historic site and the steps taken to address that impact. : N/A

1.11 Maps

These maps include:

- Direction(s) of stormwater flow and approximate slopes before and after major grading activities
- Areas and timing of soil disturbance and areas that will not be disturbed
- Natural features to be preserved
- Locations of major structural and non-structural BMPs identified in the SWPPP
- Locations and timing of stabilization measures (see sequence of construction above)
- Locations of off-site material, waste, borrow, or equipment storage areas
- Locations of all waters of the U.S., including wetlands
- Locations where stormwater discharges to a surface water
- Locations of storm drain inlets
- Areas where final stabilization has been accomplished

SECTION 2: EROSION AND SEDIMENT CONTROL BMPS

1. *Minimize Disturbed Area and Protect Natural Features and Soil:*

Topsoil:

Adequate topsoil is present at the site and is therefore not required to be supplied from an off-site source. Existing grade will be "cut" in the areas of the proposed construction and stockpiled on site for re-use. When soil is stockpiled, the slope of the stockpile will not exceed 2 horizontal to 1 vertical. The "pervious" areas will be stabilized as specified in Section 7.

Soil to be used as topsoil must meet the following:

- a. Topsoil shall have at least 6 percent by weight of fine textured stable organic material, and no greater than 20 percent. Muck soil shall not be considered topsoil.
- b. Topsoil shall have not less than 20 percent fine textured material (passing the NO. 200 sieve) and not more than 15 percent clay.
- c. Topsoil treated with soil sterilants or herbicides shall be so identified to the purchaser.
- d. Topsoil shall be relatively free of stones over 1 ½ inches in diameter, trash, noxious weeds such as nut sedge and quackgrass, and will have less than 10 percent gravel.
- e. Topsoil containing soluble salts greater than 500 parts per million shall not be used.

Installation Schedule: As noted, most excavated soil will be stockpiled on site for re-use. Silt fence will be placed around any stockpiles to protect the existing drainage ditches and off site areas.

Maintenance and Inspection: The cut and fill areas will be inspected weekly for erosion. These areas will be stabilized immediately with erosion controls or graded to avoid possible disturbance to the existing drainage ditches or off site areas. Maintenance and inspection procedures for silt fence are described in Section 2, part 2.7.

As noted in the "sequence of construction", the proposed improvements will be phased to prevent exposing more than 5 acres of bare earth at any time. All areas of the work site will be stabilized and/or off site discharge prevented if land disturbance activities are not planned for more than 14 days.

Construction Sequence with erosion BMP's are described in Section 1.3

2. *Stabilize Soils:*

Temporary Stabilization:

BMP Description: Temporary Seeding will be used on any area where construction activity is suspended for more than twenty-one days for a period of time up to six months

to stabilize erodible materials. The area to be seeded must be rough graded and slopes physically stable. Large debris and rocks are usually removed. Seedbed must be seeded within 24 hours of disturbance or scarification on the soil surface will be necessary prior to seeding. Fertilizer or lime are not typically used for temporary seedings. If spring or summer or early fall, then seed the area with ryegrass (annual or perennial) at 30 lbs. per acre (approximately 0.7 lb./1000 sq. ft. or use 1 lb./1000 sq. ft.). If late fall or early winter, then seed Certified "Aroostook" winter rye (cereal rye) at 100 lbs. per acre (2.5 lbs/1000 sq. ft.).

Mulching shall be used on any areas where construction activity is suspended for more than 14 days. These areas are to be mulched with hay or straw at 2 tons/acre (approximately 90 lbs./1000 sq. ft. or 2 bales). Quality of hay or straw mulch allowable will be determined based on long term use and visual concerns. Mulch anchoring will be required where wind or areas of concentrated water are of concern. Wood fiber hydromulch or other sprayable products approved for erosion control (nylon web or mesh) may be used if applied according to manufacturers' specification. Caution is advised when using nylon or other synthetic products. They may be difficult to remove prior to final seeding.

Installation Schedule: Portions of the site where construction activities will temporarily cease for more than 14 days will be stabilized with mulch. Where construction activities will temporarily cease for more than 21 days will be temporary seeded.

Maintenance and Inspection: Mulched areas will be inspected weekly to ensure that adequate coverage is provided. Repairs will be conducted as needed.

Responsible Staff: To Be Determined

Permanent Stabilization:

Permanent stabilization will be completed within 14 days after the site is brought to its final grades in accordance with the procedures detailed in Section 7. Permanent stabilization will also be established on any disturbed area to remain for a period of 6 months or longer.

Maintenance and Inspection: All areas will be inspected weekly during construction for failure until a dense vegetation cover has been established.

Responsible staff: To Be Determined

Dust Control:

Dust from the site will be controlled by using a mobile pressure-type distributor truck that will apply potable water at rate of 300 gallons per acre and minimized as needed to avoid ponding.

Installation Schedule: Dust control will be implemented as needed once site grading has been initiated, and during windy conditions exceeding 20mph, while site grading is occurring. Spraying of potable water will be performed no more than three times per day during the months of March through May and once per day from June to September or whenever dryness of soil warrants it.

Maintenance Schedule: At least one mobile unit will be available at all times during construction to apply potable water. Each mobile unit shall be equipped with a positive shutoff valve to prevent over watering of disturbed areas.

Responsible Staff: To Be Determined

3. *Protect Storm Drain Inlets:*

Drop Inlet Protection:

BMP Description: The proposed on-site storm drain inlets will be protected with Filter Fabric Inlet Protection, Stone and Block Drop Inlet Protection, Curb Drop Inlet Protection, or Excavated Drop Inlet Protection as detailed in the Erosion Control Plan as soon as these facilities are installed. Stabilized base course shall be installed in the parking areas within four weeks after the inlets are installed to limit conveyance of silt to the inlets. Any existing storm drain inlets are to be protected similarly if receiving runoff from unstabilized areas.

Responsible staff: To Be Determined

Construction Specifications

Drop Inlet Protection

1. Filter Fabric Drop Inlet Protection
 - a. See Detail 3 on Sheet C1.3 in the Erosion Control Plan (Appendix B) for details on Filter Fabric Drop Inlet Protection.
 - b. Land area slope immediately surrounding this device should not exceed 1 percent. The maximum height of fabric above the inlet crest shall not exceed 1.5 feet unless reinforced.
 - c. The top of the barrier should be maintained to allow overflow to drop into the drop inlet and not bypass the inlet to unprotected lower areas.
 - d. Support stakes for fabric shall be a minimum of 3 feet long, spaced a maximum 3 feet apart. They should be driven close to the inlet so any overflow drops into the inlet and not on the unprotected soil. Improved performance and sediment storage volume can be obtained by excavating the area.
 - e. If straw bales are used in lieu of filter fabric, they should be placed tight with the cut edge adhering to the ground at least 3 inches below the elevation of the drop inlet. Two anchor stakes per bale shall be driven

flush to bale surface. Straw bales will be replaced every 4 months until the area is stabilized.

2. Stone and Block Drop Inlet Protection
 - a. See Detail 3 on Sheet C1.3 in the Erosion Control Plan (Appendix B) for details on Stone and Block Drop Inlet Protection.
 - b. The stone barrier should have a minimum height of 1 foot and a maximum height of 2 feet. Do not use mortar. The height should be limited to prevent excess ponding and bypass flow.
 - c. Recess the first course of blocks at least 2 inches below the crest opening of the storm drain for lateral support. Subsequent courses can be supported laterally if needed by placing a 2x4 inch wood stud through the block openings perpendicular to the course. The bottom row should have a few blocks oriented so flow can drain through the block to dewater the basin area.
 - d. The stone should be placed just below the top of the blocks on slopes of 2:1 or flatter. Place hardware cloth of wire mesh with ½ inch openings over all block openings to hold stone in place.
 - e. As an optional design, the concrete blocks may be omitted and the entire structure constructed of stone, ringing the outlet (“doughnut”). The stone should be kept at a 3:1 slope toward the inlet to keep it from being washed into the inlet.
 - f. A level area 1 foot wide and four inches below the crest will further prevent wash. Stone on the slope toward the inlet should be at least 3 inches in size for stability and 1 inch or smaller away from the inlet to control flow rate. The elevation of the top of the stone crest must be maintained 6 inches lower than the ground elevation down slope from the inlet to ensure that all storm flows pass over the stone into the storm drain and not past the structure. Temporary diking should be used as necessary to prevent bypass flow.

3. Curb Drop Inlet Protection
 - a. See Detail 3 on Sheet C1.3 in the Erosion Control Plan (Appendix B) for details on Curb Drop Inlet Protection.
 - b. The wire mesh must be of sufficient strength to support the filter fabric and stone with the water fully impounded against it.
 - c. Stone is to be 2 inches in size and clean. The filter fabric must be of a type approved for this purpose with an equivalent opening size (EOS) of 40-85.
 - d. The protective structure will be constructed to extend beyond the inlet 2 feet in both directions. Assure that storm flow does not bypass the inlet by installing temporary dikes (such as sand bags) directing flow into the inlet. Make sure that the overflow weir is stable.
 - e. Traffic safety shall be integrated with the use of this practice.

4. Excavated Drop Inlet Protection
 - a. See Detail 3 on Sheet C1.3 in the Erosion Control Plan (Appendix B) for details on Excavated Drop Inlet Protection.
 - b. Excavated side slopes shall be no steeper than 2:1. The minimum depth shall be 1 foot and the maximum depth 2 feet as measured from the crest of the inlet structure.
 - c. Shape the excavated basin to fit conditions with the longest dimension oriented toward the longest inflow area to provide maximum trap efficiency.
 - d. The capacity of the excavated basin should be established to contain 900 cubic feet per acre of disturbed area.
 - e. Weep holes, protected by fabric and stone, should be provided for draining the temporary pool.

Maintenance

1. Sediment should not be allowed to wash into the storm drain inlet. It should be removed from the inlet protection and disposed of and stabilized so that it will not enter the inlet again.
2. When contributing drainage area has been permanently stabilized, all materials and any sediment should be removed, and either salvaged or disposed of properly.
3. Any disturbed area adjacent to the inlet as a result of installation or removal of the inlet protection shall be brought to proper grade, smoothed, compacted, and stabilized in a manner appropriate to the site.
4. Expected life of a silt fence barrier is 3 months. Maintenance needs and repairs should be accomplished immediately should the inlet protection fail.

Inspection

1. Inspections of storm drain inlet protection methods should be made before anticipated storm events (or series of storm events such as intermittent showers over one or more days) and within 24 hours after the end of a storm event of 0.5 inches or greater, and at least twice every seven calendar days, at least 72 hours apart.
2. Where sites have been finally or temporarily stabilized, such inspections may be conducted only once per month.

4. *Establish perimeter controls and sediment barriers:*

Silt Fence:

BMP Description/Installation: As noted above, before any grading operations begin, silt fence will be installed adjacent to the areas under construction, just outside the limits of disturbance, and any other locations as indicated on the Erosion Control Plans. Silt fence may also be used for storm drain inlet protection as detailed in Section 2.3 of this report.

Responsible Staff: To Be Determined

Construction Specifications

Silt Fence

1. See Detail 1 on Sheet C1.3 in the Erosion Control Plan (Appendix B) for details on Silt Fence.
2. The material for silt fences shall meet the specifications shown in Table 1 below unless otherwise approved by the appropriate erosion and sediment control plan approval authority. Such approval shall not constitute statewide acceptance.
2. Fence Posts (for fabricated units): The length shall be a minimum of 36 inches long. Wood posts will be of sound quality hardwood with a minimum cross sectional area of 3.0 square inches. Steel posts will be standard T and U section weighing not less than 1.00 pound per linear foot.
3. Wire Fence (for fabricated units): Wire fencing shall be a minimum 14 gage with a maximum 6 in. mesh opening, or as approved.
4. Prefabricated Units: Envirofence, Geofab, or approved equal, may be used in lieu of the above method providing the unit is installed per details shown on Sheet C1.3.

Physical property	Minimum Requirements
Grab Tensile Strength	90 lbs; ASTM D-1682
Elongation at Failure	50%; ASTM D-1682
Mullen Burst Strength	190 psi; ASTM D-3786
Puncture Strength	40 lbs; ASTM D-751 (modified)
Slurry Flow Rate	0.3 gal/min/sf
Equivalent Opening Size	40-80 US Std Sieve; CW-02215
Ultraviolet Radiation Stability	90%; ASTM G-26

Table 1

Maintenance

1. Sediment should be removed when “bulges” develop in the silt fence, or once silt reaches 25% of the original height of the barrier.
2. Filter fabric should be replaced whenever it has deteriorated to such an extent that the effectiveness of the fabric is reduced (approximately six months).
3. Silt fence should remain in place until disturbed areas have been permanently stabilized.
4. All sediment accumulated at the fence should be removed and properly disposed of before the fence is removed.

Inspection

1. Inspect silt fence before anticipated storm events (or series of storm events such as intermittent showers over one or more days) and within 24 hours after the end of a storm event of 0.5 inches or greater, and at least twice every seven calendar days, at least 72 hours apart.
2. Where sites have been finally or temporarily stabilized, such inspections may be conducted only once per month.

5. *Retain Sediment On-Site and Control Dewatering Practices:*

Sump Pit:

BMP Description/Installation: The new Commissary site is relatively flat, thus providing positive drainage during excavation, particularly for building foundations, may not always be practicable. A sump pit shall be used in the event that excessive water collects during the excavation phase of construction.

The number of sump pits and their locations shall be determined by the Contractor. A design is not required, but construction should conform to the general criteria outlined in Detail 5 of Sheet C1.3 in the Erosion Control Plans (Appendix B).

Responsible Staff: To Be Determined

Construction Specifications

Sump Pit

1. A perforated vertical standpipe is placed in the center of the pit to collect filtered water. Water is then pumped from the center of the pipe to a suitable discharge area.
2. Discharge of water pumped from the standpipe should be to a sediment trap, sediment basin, or stabilized area, such as a filter strip. If water from the sump pit will be pumped directly to a storm drain system, filter cloth (Mirafi 100X, Poly Filter GB, or a filter cloth with an equivalent sieve size between 40-80) should be wrapped around the standpipe to ensure clean water discharge.
3. It is recommended that ¼ to ½ inch hardware cloth be wrapped around and secured to the standpipe prior to attaching the filter cloth. This will increase the rate of water seepage into the standpipe.

6. *Establish Stabilized Construction Exits:*

Stabilized Construction Entrance:

BMP Description/Installation: A stabilized construction entrance (SCE) shall be installed at the entrance and exit to the job site before construction begins (the staging and on site construction parking area is in an existing asphalt area). Stabilized exits are used to prevent the off-site transport of sediment by construction vehicles. At the entrance and exits to the site, the SCE shall be at least 12 feet wide or 24 feet if there is only one access to the site. The crushed stone for the SCE at the entrance or exit shall be placed over a layer of geotextile. For additional details see the Erosion Control Plan (Appendix B).

Responsible Staff: To Be Determined

Construction Specifications

Stabilized Construction Entrance

1. See Detail 2 on Sheet C1.3 in the Erosion Control Plan (Appendix B) for details on the Stabilized Construction Entrance.
2. Locate SCE at every point where construction traffic enters or leaves a construction site. Vehicles leaving this site must travel over the entire length of the SCE. The orientation of the SCE may vary from a straight line and be curved or 'T' shaped depending on the topography and right of way. Avoid locating entrances along the low point of work area where possible.
3. Use a matrix of 1-4 inch stone, or reclaimed or recycled concrete equivalent for the aggregate.
4. The aggregate layer shall not be less than six inches thick.
5. The width shall be a minimum of 12-feet but not less than the full width of points where ingress or egress occurs. 24-foot minimum if there is only one access to the site.
6. The length shall be as required, but not less than 50 feet.
7. A geotextile shall be placed over the entire area to be covered with aggregate. Piping of surface water under entrance shall be provided as required. If piping is impossible, a mountable berm with 5:1 slopes will be permitted.
8. The geotextile shall be woven or nonwoven fabric consisting only of continuous chain polymeric filaments or yarns of polyester. The fabric shall be inert to commonly encountered chemicals, hydro-carbons, mildew, rot resistant, and conform to the fabric properties as shown in Table 2.

Maintenance

1. The entrance shall be maintained in a condition that will prevent tracking or flow of mud onto public rights-of-way or streets. This may require periodic top dressing with additional aggregate.
2. All sediment spilled, dropped, washed, or tracked from vehicles onto roadways or into storm drains shall be removed immediately.
3. When necessary, vehicle wheels should be cleaned to remove sediment prior to entrance onto public rights-of-way. When washing is required, it should be done on an area stabilized with aggregate that drains into an approved sediment trap or protected inlet.

3. Trapped sediment should be removed from the site or stabilized on site and prevented from entering storm drains, ditches, or waterways. Disturbed soil areas resulting from removal should be permanently stabilized.
4. The stabilized construction entrance may be removed after final site stabilization is achieved or after the temporary BMPs are no longer needed.

Inspection

1. Inspect and verify that activity-based BMPs are in place prior to the commencement of associated activities.
2. While activities associated with the BMPs are under way, and at least twice every seven calendar days, at least 72 hours apart.
3. Inspect local roads adjacent to the site daily. Sweep or vacuum to remove visible accumulated sediment.

Fabric Property³	Light Duty Roads¹	Heavy Duty Roads²	Test Method
Grab Tensile Strength	200 lbs	220 lbs	ASTM D-1682
Elongation at Failure	50%	60%	ASTM D-1682
Mullen Burst Strength	190 lbs	430 lbs	ASTM D-3786
Puncture Strength	40 lbs	125 lbs	ASTM D-751 modified
Equivalent Opening Size	40-80	40-80	US Std Sieve CW-02215
Aggregate Depth	6"	10"	--

¹Light Duty Road: Area sites that have been graded to subgrade and where most travel would be single axle vehicles and an occasional multi-axle truck. Acceptable materials are Trevira Spunbond 1115, Mirafi 100X, Typar 3401, or equivalent.

²Heavy Duty Road: Area sites with only rough grading, and where most travel would be multi-axle vehicles. Acceptable materials are Trevira Spunbond 1135, Mirafi 600X, or equivalent.

³Fabrics not meeting these specifications may be used only when design procedure and supporting documentation are supplied to determine aggregate depth and fabric strength.

Table 2

SECTION 3: GOOD HOUSEKEEPING BMPS

3.1 Good Housekeeping BMPs (from EPA Website)

1. Material Handling and Waste Management:

Waste Materials:

All waste materials will be collected and disposed of into three metal waste dumpsters in the materials storage area. Dumpsters will have a secure tight lid, be placed away from storm water drains and structures, and will meet all federal, state, county, and local regulations. Only trash and construction debris will be placed in the dumpsters. Construction materials will not be buried on site. All personal will be instructed, during tailgate training sessions, regarding the correct disposal of trash and construction debris. Notices that state these practices will be posted in the office trailer and the individual who manages day-to-day site operations will be responsible for seeing that these practices are followed.

Installation Schedule: Trash dumpsters will be installed when the materials storage area has been established.

Maintenance and Inspection: The dumpsters will be inspected weekly and immediately after storm events. The dumpster will be emptied weekly, or more frequently if needed, and taken to the appropriate landfill.

Hazardous Waste Materials:

BMP Description: All hazardous waste materials including oil filters, petroleum products, paint, and equipment maintenance fluids will be stored in structurally sound and sealed shipping containers, within the hazardous materials storage area. Hazardous waste materials will be stored in appropriate and clearly marked containers and segregated from other non-waste materials. Secondary containment will be provided for all waste materials in the hazardous materials storage area and will consist of commercially available spill pallets. Additionally, all hazardous waste materials will be disposed of in accordance with federal, state, county, and local regulations. Hazardous waste materials will not be disposed of into the on-site dumpsters. All personnel will be instructed, during tailgate training sessions, regarding proper procedures for hazardous waste disposal. Notices that state these procedures will be posted in the office trailer and the individual who manages day-to-day site operations will be responsible for seeing that these procedures are followed.

Installation Schedule: Shipping containers used to store hazardous waste materials will be installed once the site materials storage area has been installed.

Maintenance and Inspection: The hazardous waste materials area will be inspected weekly and after storm events. The storage area will be kept clean, well organized and equipped with ample cleanup supplies as appropriate for the materials being stored. Material safety datasheets, material inventory, and emergency contact numbers will be maintained in the office trailer.

Responsible staff: To Be Determined

Sanitary Waste:

BMP Description: Two portable toilets, located in the staging area, will be provided at the site throughout the construction phase. The toilets will be anchored as approved by the stormwater inspector and located away from concentrated drainage flow paths and will have collection pans underneath as secondary containment.

Installation schedule: The portable toilets will be set up at the site when the staging area is complete.

Maintenance and Inspection: Sanitary waste will be collected a minimum of three times a week and shall be inspected weekly for evidence of leaking holding tanks.

Responsible staff: To Be Determined

Recycling:

BMP Description: Wood pallets, cardboard boxes, and other recyclable construction scraps will be disposed of in a designated dumpster for recycling. The dumpster will have a secure watertight lid, be placed away from stormwater conveyances and drains and meet all local and state solid-waste management regulations. Only solid recyclable construction scraps from the site will be deposited in the dumpster. All personnel will be instructed, during tailgate training sessions, regarding the correct procedure for disposal of recyclable construction scraps. Notices that state these procedures will be posted in the office trailer, and the individual who manages day-to-day site operations will be responsible for seeing that these procedures are followed.

Installation Schedule: Designated recycling dumpsters will be installed once the combined staging area has been established.

Maintenance and Inspection: The recycling dumpster will be inspected weekly. The recycling dumpster will be emptied weekly and taken to an approved recycling center by the contractor. If recyclable construction wastes are exceeding the dumpster's capacity, the dumpsters will be emptied more frequently.

Responsible Staff: To Be Determined

2. *Establish Proper Building Material Staging Areas:*

Materials Storage Area:

BMP Description: Construction equipment and maintenance materials will be stored at the combined staging area and materials storage areas. This area will be located in an existing paved area on the southeast section of the property. Hale Bales shall be installed around the perimeter of the area. A watertight shipping container will be used to store hand tools, small parts, and other construction materials. Non-hazardous building materials such as packaging material (wood, plastic, and glass), and construction scrap material (brick, wood, steel, metal scraps, and pipe cuttings) will be stored in a separate covered storage facility adjacent to the shipping container. All hazardous-waste materials such as oil filters, petroleum products, paint, and equipment maintenance fluids will be stored in structurally sound and sealed containers under cover within the hazardous materials. Very large items, such as framing materials and stockpiled lumber, will be stored in the open in the materials storage area. Such materials will be elevated on wood blocks to minimize contact with runoff.

Installation Schedule: The materials storage area will be installed immediately and before any grading occurs or before any infrastructure is constructed at the site.

Maintenance and Inspection: The storage area will be inspected weekly. The storage area will be kept clean, well organized, and equipped with ample cleanup supplies as appropriate for the materials being stored. Perimeter controls, containment structures, covers, and liners will be repaired or replaced as needed to maintain proper function.

Responsible Staff: To Be Determined

3. *Designate Washout Areas:*

Concrete Washout

BMP Description: A designated temporary, above-grade concrete washout area will be constructed as detailed on the site map. The temporary concrete washout area will be constructed as shown on the Erosion Control Plan, with a recommended minimum length and minimum width of 10 feet, but with sufficient quantity and volume to contain all liquid and concrete waste generated by washout operations. The washout area will be lined with plastic sheeting at least 10 mils thick and free of holes or tears. Signs will be posted marking the location of the washout area to ensure that concrete equipment operators use the proper facility.

Concrete pours will not be conducted during or before an anticipated storm event. Concrete mixer trucks and chutes will be washed in the designated area or concrete wastes will be properly disposed of off-site. When the temporary washout area is no longer needed for the construction project, the hardened concrete and materials used to construct the area will be removed and disposed of according to the maintenance section below, and the area will be stabilized. For design specifications, see appendix.

Installation Schedule: The washout area will be constructed before concrete pours occur at the site.

Maintenance and Inspection: The washout areas will be inspected weekly and each day of use to ensure that all concrete washing is being discharged into the washout area, no leaks or tears are present, and to identify when concrete wastes need to be removed. The washout areas will be cleaned out once the area is filled to 75 percent of the holding capacity. Once the area's holding capacity has been reached, the concrete wastes will be allowed to harden; the concrete will be broken up, removed, and taken to the appropriate landfill for disposal. The plastic sheeting will be replaced if tears occur during removal of concrete wastes from the washout area.

Responsible Staff: To Be Determined

4. *Establish proper equipment/vehicle fueling and maintenance practices:*

Vehicle/Equipment Fueling and Maintenance:

BMP Description: Several types of vehicles and equipment will be used on-site throughout the project, including graders, scrapers, excavators, loaders, paving equipments, rollers, trucks and trailers, backhoes, and forklifts. All major equipment/vehicle fueling and maintenance will be performed off-site. A small, 20 gallon pickup bed fuel tank will be kept on-site in the combined staging area. When vehicle fueling must occur on-site, the fueling activity will occur in the staging area. Only minor equipment maintenance will occur on-site. All equipment fluids generated from maintenance activities will be disposed of into designated drums stored on spill pallets in accordance with Part 3.1. Absorbent, spill-cleanup materials and spill kits will be available at the combined staging and materials storage area. Drip pans will be placed under all equipment receiving maintenance and vehicles and equipment parked overnight.

Installation Schedule: BMPs implemented for equipment and vehicle maintenance and fueling activities will begin at the start of the project.

Maintenance and Inspection: Inspect equipment/vehicle storage areas and fuel tank weekly. Vehicles and equipment will be inspected on each day of use. Leaks will be repaired immediately, or the problem vehicle(s) or equipment will be removed from the project site. Keep ample supply of spill-cleanup materials on-site and immediately clean up spills and dispose of materials properly.

Responsible Staff: To Be Determined

5. *Allowable non-stormwater discharges and control equipment/vehicle washing:*

BMP Description: All equipment and vehicle washing will be performed off-site. (See section 3.2 below for additional information related to non-storm water discharges)

6. *Spill Prevention and Control Plan:*

Spill Prevention and Control Procedures:

BMP Description:

1. Employee Training: All employees will be trained via biweekly tailgate sessions, as detailed in Section 6, Part 6.3.
2. Vehicle Maintenance: Vehicles and equipment will be maintained off-site. All vehicles and equipment including subcontractor vehicles will be checked for leaking oil and fluids. Vehicles leaking fluid will not be allowed on-site. Drip pans will be placed under all vehicles and equipment that are parked overnight.
3. Hazardous Material Storage: Hazardous materials will be stored in accordance with Section 3, Part 1 and federal and municipal regulations.
4. Spill Kits: Spill kits will be stored within the material storage area and concrete washout areas.
5. Spills: All spills will be cleaned up immediately upon discovery. Spent absorbent materials and rags will be hauled off-site immediately after the spill is cleaned up for disposal at the appropriate landfill. Spills large enough to discharge to surface water will be reported to the National Response Center at 1-800-424-8802.
6. Material safety data sheets, a material inventory, and emergency contact information will be maintained at the on-site project trailer.

Installation Schedule: The spill prevention and control procedures will be implemented once construction begins on-site.

Maintenance and Inspection: All personnel will be instructed, during tailgate training sessions, regarding the correct procedures for spill prevention and control. Notices that state these practices will be posted in the office trailer, and the individual who manages day-to-day site operations will be responsible for seeing that these procedures are followed.

Responsible Staff: To Be Determined

7. *Any Additional BMPs:*

N/A

3.2 *Allowable Non-Stormwater Discharge Management*

Items include: discharges from fire fighting activities, fire hydrant flushing, landscape watering, water used to control dust, wash downs with potable water that does not include detergents. Dewatering of foundation and utility trenches is not anticipated. All erosion control practices shall be followed by the contractor in connection with these activities.

Irrigation waters will be sprayed onto landscape areas only. The sprinklers will have low flow rates and increased watering time. The irrigation area will be inspected regularly for excess watering and if needed, adjustments will be made.

Any changes in construction activities that produce other allowable non-storm water discharges will be identified, and the SWPPP will be amended and the appropriate erosion and sediment control will be implemented.

Responsible staff: To Be Determined

SECTION 4: SELECTING POST-CONSTRUCTION BMPs

1. Underground Detention

Open-Graded Rock Underpavement Detention Course:

Due to limited area available at the site of the new Commissary for above-ground detention and treatment of stormwater, runoff will be collected in a series of catch basins with sumps and directed to two existing storm manholes on Davis Avenue. Flow to these manholes will be controlled via the installation of restrictor plates, so that storm water runoff from the site will enter the existing storm sewer network at an acceptable rate, in accordance with the Nassau County Department of Public Works.

During heavy rainfall events, the restrictor plates will cause any excess storm water to back up within the proposed storm sewers and structures and enter the proposed open-graded 4-inch rock drainage course under the parking area pavement. The voids within this 33" thick rock layer will serve as storage for the excess storm water from the heavy rainfall. Water stored within the rock layer will be released from the site via the restricted positive grade outlet pipes tributary to the storm sewer under Davis Avenue, which is also the current outfall for much of the site.

SECTION 5: INSPECTIONS and MAINTENANCE

5.1 Inspections

1. Inspection Personnel:

- To Be Determined

2. Inspection Schedule and Procedures:

- See Sections 2 and 3.
- See Appendix E for a sample Inspection Report

5.2 Maintenance of Controls

Maintenance Procedures: See Sections 2 and 3.

5.3 Corrective Action Log

Corrective Action Log: See Appendix F for a sample Corrective Action Log

SECTION 6: Recordkeeping and Training

6.1 Recordkeeping

The following is a list of records that should be kept at the project site available for inspectors to review:

- Dates of grading, construction activity (and stabilization – see Section 7).
- Copy of the construction general permit (see Appendix C).
- The signed and certified NOI form or permit application form (see Appendix D).
- Inspection reports (see Appendix E).
- Records relating to endangered species and historic preservation (see Appendix M).

Dates when major grading activities occur:

- See construction sequence in Section 1 of this report.

Dates when construction activities temporarily or permanently cease on a portion of the site

- See construction sequence in Section 1 of this report.

See Appendix I for a sample Grading and Stabilization Activities Log

6.2 Log of Changes to the SWPPP

Log of changes and updates to the SWPPP

- See Appendix G for a SWPPP Amendment Log

6.3 Training

- General stormwater and BMP awareness training for staff and subcontractors is described in Section 2 and 3 of this report. Further supporting information can be found in the 2010 Maryland Standards and Specifications for Soil Erosion and Sediment Control, as well as the Maryland Stormwater Design Manual.
- Detailed training for staff and subcontractors with specific stormwater responsibilities is also contained in Section 2 and 3 of this report. Additional information can be found in the National Menu of Stormwater Best Management Practices by the U.S. Environmental Protection Agency's National Pollutant Discharge Elimination System:
< <http://cfpub.epa.gov/npdes/stormwater/menuofbmps/index.cfm> >

Individual(s) Responsible for Training:

- To Be Determined

SECTION 7: FINAL STABILIZATION

Permanent seeding should be applied immediately after the final design grades are achieved at the site but no later than 14 days after construction activities have permanently ceased. After the entire site is stabilized, any sediment that has accumulated will be removed and hauled off site to a licensed landfill facility. Construction debris, trash, and temporary BMP's will also be removed and any areas disturbed during removal will be seeded immediately.

Seedbed Preparation:

1. Topsoil will be spread over final graded areas at a minimum depth of four inches.
2. The seedbed will be free of rocks, woody debris and other objectionable material that will interfere with future mowing or maintenance.
3. Soil amendments should be incorporated into the upper 2 inches of soil when feasible. The soil should be tested to determine the amounts of amendments needed. Apply ground agricultural limestone to attain a pH of 6.0 in the upper 2 inches of soil. If soil must be fertilized before results of a soil test can be obtained to determine fertilizer needs, apply commercial fertilizer at 600 lbs. per acre of 5-10-10 or equivalent. If manure is used, apply a quantity to meet the nutrients of the above fertilizer. This requires an appropriate manure analysis prior to applying to the site. Do not use manure on sites to be planted with birdsfoot trefoil or in the path of concentrated water flow.
4. Any severely compacted sections will require chiseling or disking to provide an adequate rooting zone, to a minimum depth of 12". The seedbed must be prepared to allow good soil to seed contact, with the soil not too soft and not too compact. Adequate soil moisture must be present to accomplish this. If surface is powder dry or sticky wet, postpone operations until moisture changes to a favorable condition. If seeding is accomplished within 24 hours of final grading, additional scarification is generally not needed, especially on ditch or stream banks.

See the Landscaping Plan and Details in Appendix B for designed seed mix. Reference page 3.5 – Standards and Specifications for Permanent Critical Area Plantings – located in the August 2005 New York State Standards and Specifications for Erosion and Sediment Control for additional specifications relating to seeding, fertilizer, mulching, and sodding.

Final stabilization should be installed on portions of the site where construction activities have permanently ceased will be stabilized, as soon as possible but no later than 14 days after construction ceases.

All seeded areas will be inspected weekly during construction activities for failure until a dense cover of vegetation has been established. If failure is noticed on the seeded area, the area will be seeded, fertilized and mulched immediately. After construction is complete at the site permanent stabilization measures will be monitored until final stabilization is reached.

Responsible Staff: To Be Determined (during construction); Mitchel Field personnel (after construction).

A Notice of Termination (NOT) will be submitted after all cleanup at the site is complete and after all seeding, fertilizing and mulching operations are complete and all plants are installed.

SECTION 8: CERTIFICATION AND NOTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: _____ Title: _____

Signature: _____ Date: _____

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: _____ Title: _____

Signature: _____ Date: _____

SWPPP APPENDICES

Attach the following documentation to the SWPPP:

Appendix A - General Location Map

Appendix B - Site Maps (Erosion Control Plan & Details, Site Plans & Details)

Appendix C - Copy of Construction General Permit

Appendix D - Copy of NOI and acknowledgement letter from EPA/State

Appendix E - Inspection Reports

Appendix F - Corrective Action Log

Appendix G - Log of Changes and Updates to SWPPP

Appendix H - Subcontractor Certifications/Agreements

Appendix I - Grading and Stabilization Activities Log

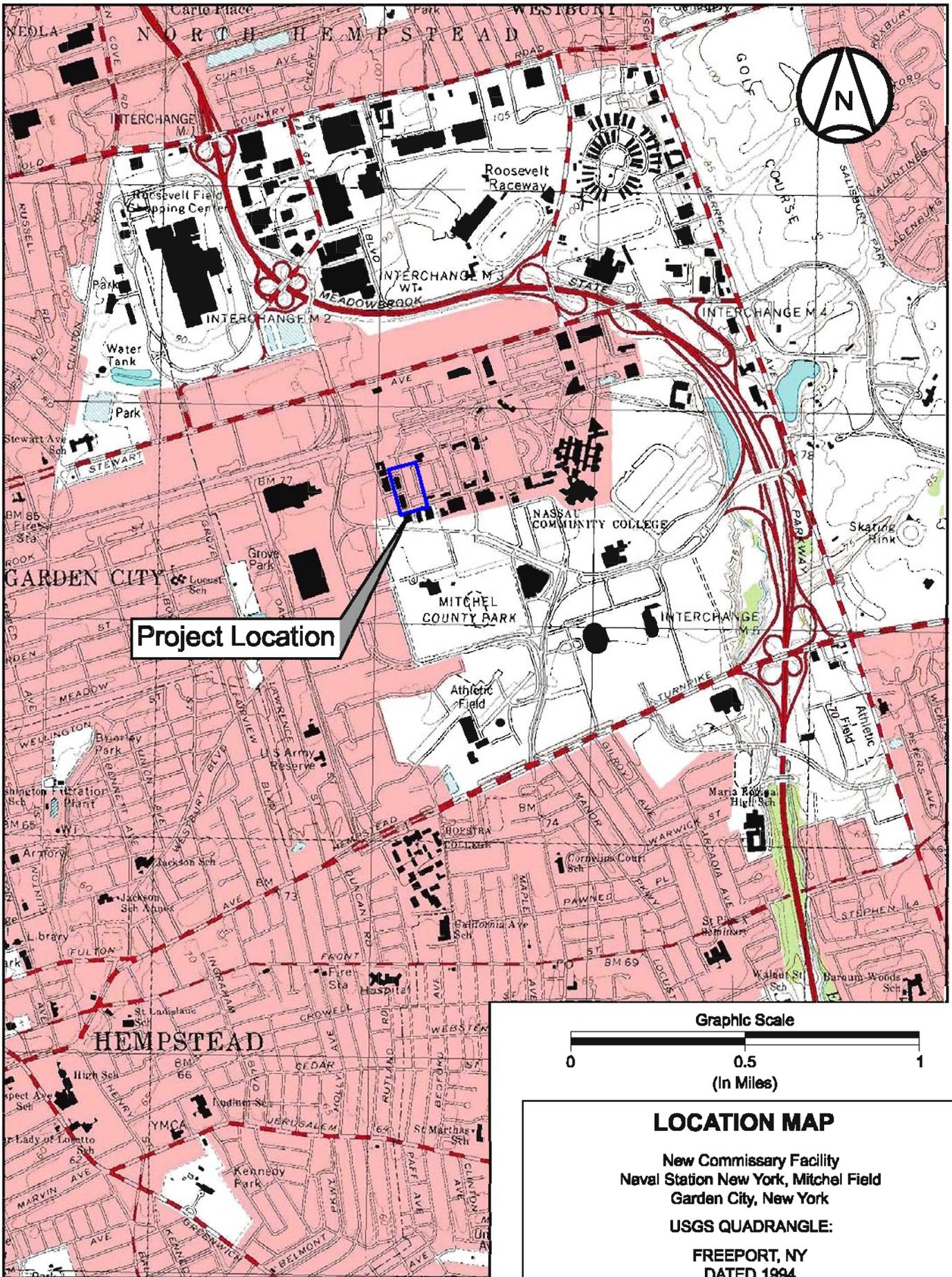
Appendix J - SWPPP Training Log

Appendix K - Delegation of Authority Form

Appendix L - Endangered Species and Historic Preservation Documentation

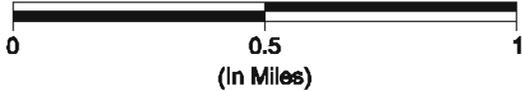
Appendix M - Inspector's Qualifications

APPENDIX A: GENERAL LOCATION MAP



Project Location

Graphic Scale



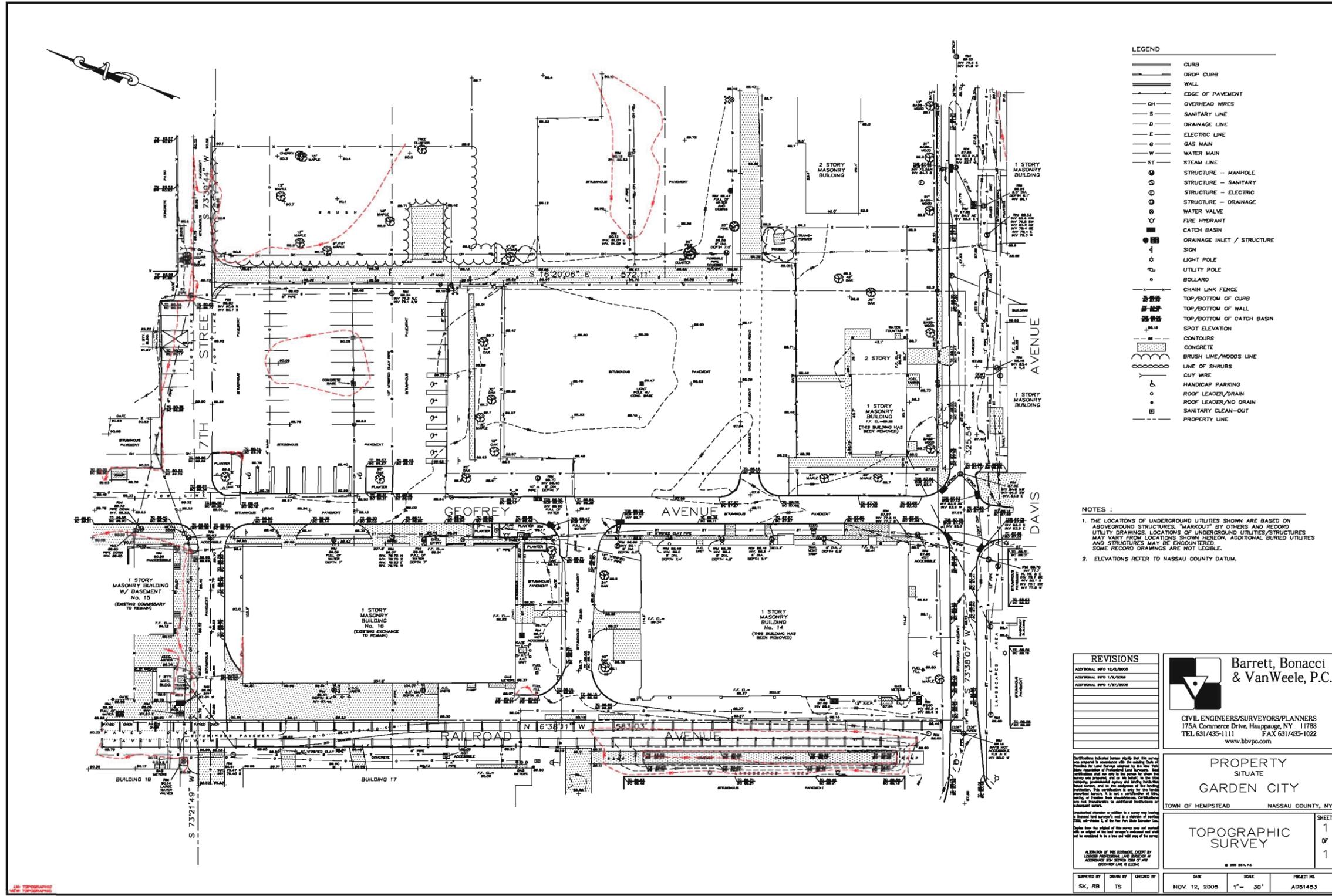
LOCATION MAP

**New Commissary Facility
Naval Station New York, Mitchel Field
Garden City, New York**

USGS QUADRANGLE:

**FREEPORT, NY
DATED 1994**

APPENDIX B: SITE MAPS



LEGEND

—	CURB
—	DROP CURB
—	WALL
—	EDGE OF PAVEMENT
—	OVERHEAD WIRES
S	SANITARY LINE
D	DRAINAGE LINE
E	ELECTRIC LINE
G	GAS MAIN
W	WATER MAIN
ST	STEAM LINE
○	STRUCTURE - MANHOLE
○	STRUCTURE - SANITARY
○	STRUCTURE - ELECTRIC
○	STRUCTURE - DRAINAGE
○	WATER VALVE
○	FIRE HYDRANT
○	CATCH BASIN
○	DRAINAGE INLET / STRUCTURE
○	SIGN
○	LIGHT POLE
○	UTILITY POLE
○	BOLLARD
—	CHAIN LINK FENCE
—	TOP/BOTTOM OF CURB
—	TOP/BOTTOM OF WALL
—	TOP/BOTTOM OF CATCH BASIN
—	SPOT ELEVATION
—	CONTOURS
—	CONCRETE
—	BRUSH LINE/WOODS LINE
—	LINE OF SHRUBS
—	GUY WIRE
—	HANDICAP PARKING
—	ROOF LEADER/DRAIN
—	SANITARY CLEAN-OUT
—	PROPERTY LINE

NOTES:

1. THE LOCATIONS OF UNDERGROUND UTILITIES SHOWN ARE BASED ON ABOVEGROUND STRUCTURES, "MARKOUT" BY OTHERS AND RECORD UTILITY DRAWINGS. LOCATIONS OF UNDERGROUND UTILITIES/STRUCTURES MAY VARY FROM LOCATIONS SHOWN HEREON. ADDITIONAL BURIED UTILITIES AND STRUCTURES MAY BE ENCOUNTERED. SOME RECORD DRAWINGS ARE NOT LEGIBLE.
2. ELEVATIONS REFER TO NASSAU COUNTY DATUM.

REVISIONS

ADDITIONAL INFO 12/8/2005
ADDITIONAL INFO 1/9/2006
ADDITIONAL INFO 1/27/2006

Barrett, Bonacci & VanWeele, P.C.

CIVIL ENGINEERS/SURVEYORS/PLANNERS
 175A Commerce Drive, Hauppauge, NY 11788
 TEL 631/435-1111 FAX 631/435-1022
 www.bbvp.com

PROPERTY SITUATE
 GARDEN CITY
 TOWN OF HEMPSTEAD NASSAU COUNTY, NY

TOPOGRAPHIC SURVEY

SHEET 1 OF 1
NOV. 12, 2005
1" = 30'
AD51453

- NOTES**
- 1) THE ORIENTATION OF THIS SURVEY IS ROTATED 180 DEGREES FROM ALL OF THE OTHER CIVIL DRAWINGS.
 - 2) SEE SHEET S0.3 FOR INFORMATION REGARDING LOCATION OF PROPOSED COMMISSARY RELATIVE TO EXISTING AND DEMOLISHED BUILDINGS.

SYM.	D.C. NO.	ACTION	DATE	DESCRIPTION OF REVISION
			08 JAN 12	CONSTRUCTION ISSUE

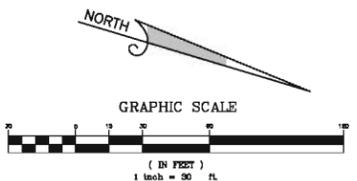
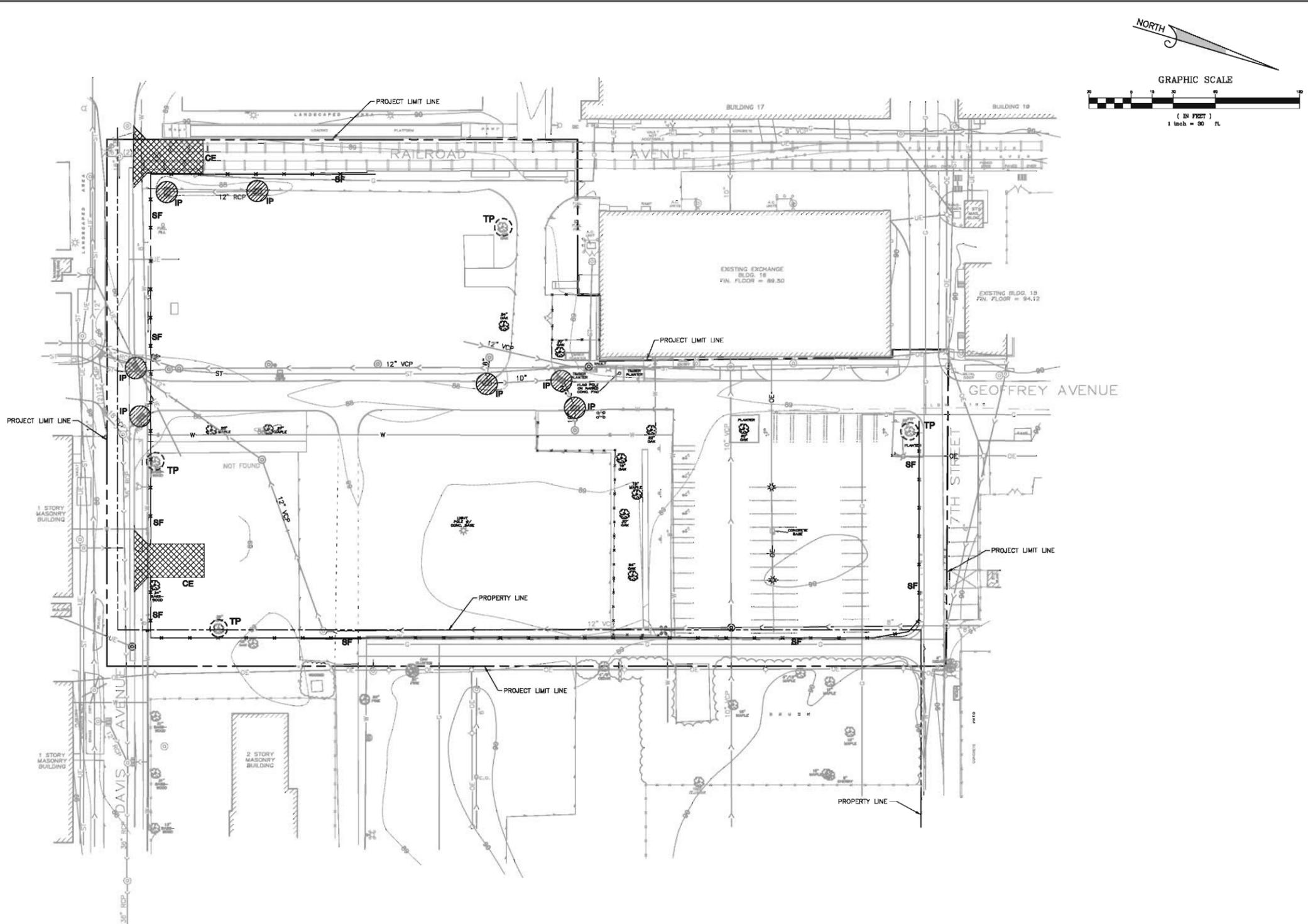
The Jenkins Group
 300 Park Boulevard, Suite 250
 Itasca, Illinois 60143-3146

DEFENSE COMMISSARY AGENCY
 DECA LOGISTICS AND ENGINEERING GROUP
 FORT LEE, VIRGINIA
 LACKLAND AFB, TEXAS

NEW COMMISSARY FACILITY SITE TOPOGRAPHIC SURVEY

NAVAL STATION NEW YORK, MITCHEL FIELD
 GARDEN CITY, NEW YORK

DESIGNED BY: GPO	SUBMITTED BY:	SOL. NO.:	DATE: 08 JAN 12
DRAWN BY: GRR	ENGINEER:	PROJECT NO. DECA001	SEQUENCE NO.:
REVIEWED BY: ELS		DRAWING NUMBER	SHEET NO. 4 OF 11
			C01

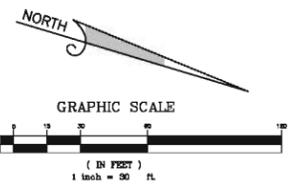
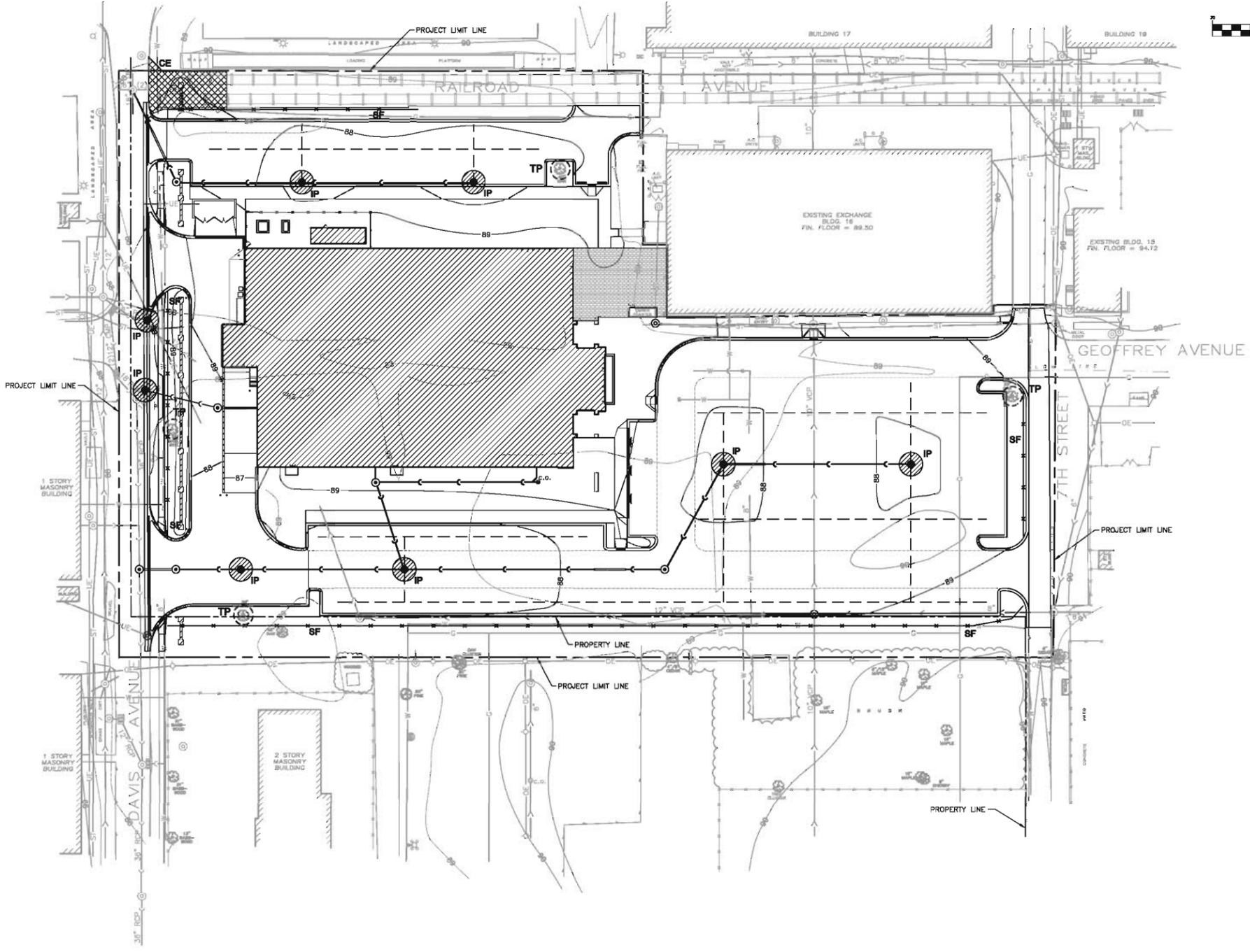


SYMBOL LEGEND	
	REMOVE CONIFER TREE (TRUNK DIA. INDICATED)
	REMOVE DECIDUOUS TREE (TRUNK DIA. INDICATED)
	REMOVE SHRUB/HEDGE LINE
	EXISTING MANHOLE
	EXISTING CLEANOUT
	EXISTING SANITARY SEWER
	EXISTING CATCH BASIN
	EXISTING INLET
	EXISTING STORM SEWER
	EXISTING FIRE HYDRANT
	EXISTING VALVE BOX
	EXISTING WATER MAIN
	EXISTING GAS MAIN
	EXISTING OVERHEAD ELECTRIC CABLES
	EXISTING UNDERGROUND ELECTRIC CABLES
	EXISTING STEAM LINE
	EXISTING POWER POLE
	EXISTING LIGHT POLE
	EXISTING GUY CABLE
	EXISTING SIGN
	EXISTING FENCE
	EXISTING MINOR CONTOUR LINE
	EXISTING MAJOR CONTOUR LINE
	NEW MINOR CONTOUR LINE
	NEW MAJOR CONTOUR LINE
	CONSTRUCTION FENCE (CHAIN LINK)
	SILT FENCE, REF. DETAIL 1-C1.3
	STABILIZED CONSTRUCTION ENTRANCE, REF. DETAIL 2-C1.3
	DROP INLET PROTECTION, REF. DETAIL 3-C1.3
	TREE PROTECTION-FENCING, REF. DETAIL 4-C1.3

SYMBOL NO.	ACTION	DATE	DESCRIPTION OF REVISION
		09 JAN 12	CONSTRUCTION ISSUE

The Jenkins Group 300 Park Boulevard, Suite 250 Itasca, Illinois 60143-3146	DEFENSE COMMISSARY AGENCY DECA LOGISTICS AND ENGINEERING GROUP FORT LEE, VIRGINIA LACKLAND AFB, TEXAS
NEW COMMISSARY FACILITY SITE EROSION AND SEDIMENT CONTROL PLAN, PHASE I NAVAL STATION NEW YORK, MITCHEL FIELD GARDEN CITY, NEW YORK	
DESIGNED BY: GPO	DATE: 09 JAN 12
DRAWN BY: GRR	PROJECT NO. DECA0001
REVIEWED BY: N.B.	SEQUENCE NO.
SUBMITTED BY:	DRAWING NUMBER
ENGINEER:	SHEET NO. 5 OF 11

C11



SYMBOL LEGEND

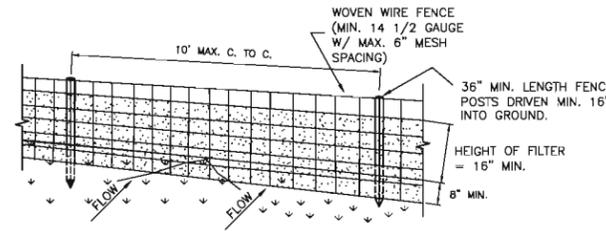
-  REMOVE CONIFER TREE (TRUNK DIA. INDICATED)
-  REMOVE DECIDUOUS TREE *(TRUNK DIA. INDICATED)
-  REMOVE SHRUB LINE
-  EXISTING MANHOLE
-  EXISTING CLEANOUT
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-  EXISTING STORM SEWER
-  EXISTING FIRE HYDRANT
-  EXISTING VALVE BOX
-  EXISTING WATER MAIN
-  EXISTING GAS MAIN
-  EXISTING OVERHEAD ELECTRIC CABLES
-  EXISTING UNDERGROUND ELECTRIC CABLES
-  EXISTING STEAM LINE
-  EXISTING POWER POLE
-  EXISTING LIGHT POLE
-  EXISTING GUY CABLE
-  EXISTING SIGN
-  EXISTING FENCE
-  EXISTING MINOR CONTOUR LINE
-  EXISTING MAJOR CONTOUR LINE
-  NEW MINOR CONTOUR LINE
-  NEW MAJOR CONTOUR LINE
-  SF SILT FENCE, REF. DETAIL 1-C1.3
-  CE STABILIZED CONSTRUCTION ENTRANCE, REF. DETAIL 2-C1.3
-  IP DROP INLET PROTECTION, REF. DETAIL 3-C1.3
-  TP TREE PROTECTION-FENCING, REF. DETAIL 4-C1.3

SYMBOL NO.	ACTION	DATE	DESCRIPTION OF REVISION
		09 JAN 12	CONSTRUCTION ISSUE

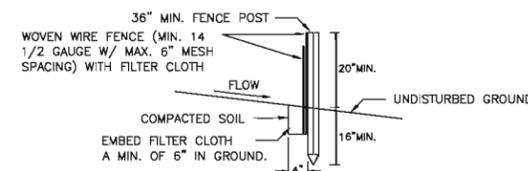
<p>The Jenkins Group 300 Park Boulevard, Suite 250 Itasca, Illinois 60143-3146</p>	 <p>DEFENSE COMMISSARY AGENCY DECA LOGISTICS AND ENGINEERING GROUP FORT LEE, VIRGINIA LACKLAND AFB, TEXAS</p>
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DESIGNED BY:	<p>NEW COMMISSARY FACILITY SITE EROSION AND SEDIMENT CONTROL PLAN, PHASE II NAVAL STATION NEW YORK, MITCHEL FIELD GARDEN CITY, NEW YORK</p>		
DRAWN BY:			
REVIEWED BY:			
SUBMITTED BY:			

ENGINEER:	SOL. NO.:	DATE:	09 JAN 12
	PROJECT NO. DECA-MPC	SEQUENCE NO.	
	DRAWING NUMBER	SHEET NO.	C12
		6 OF 11	



PERSPECTIVE VIEW

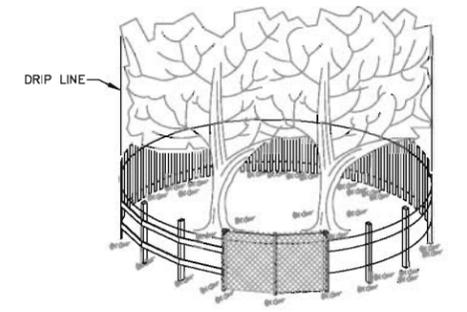


SECTION VIEW

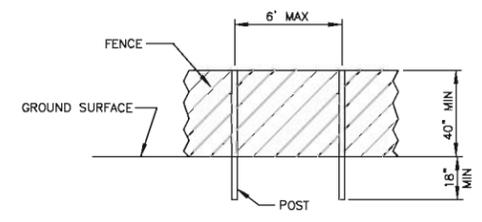
NOTES:

- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
- FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 12 1/2 GAUGE, 6" MAXIMUM MESH OPENING.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFT 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
- PREFABRICATED UNITS SHALL BE GEOFAB, ENVROFENCE, OR APPROVED EQUIVALENT.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

1 SILT FENCE
 C1.1, C1.2 | C1.3 NOT TO SCALE



SIDE VIEW

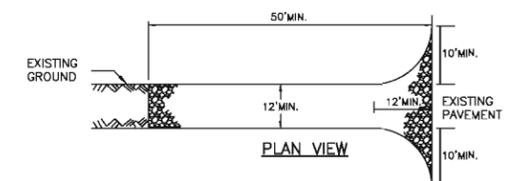
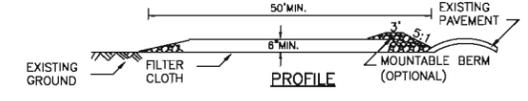


POST AND FENCE DETAIL

NOTES:

- THE FENCE SHALL BE LOCATED OUTSIDE THE DRIP LINE OF THE TREE TO BE SAVED AND IN NO CASE CLOSER THAN 5 FEET TO THE TRUNK OF ANY TREE.
- FENCE POSTS SHALL BE EITHER STANDARD STEEL POSTS OR WOOD POSTS WITH A MINIMUM CROSS SECTIONAL AREA OF 3.0 SQ.IN.
- THE FENCE MAY BE EITHER 40" HIGH SNOW FENCE, 40" PLASTIC WEB FENCING OR ANY OTHER MATERIAL AS APPROVED BY THE ENGINEER/INSPECTOR.

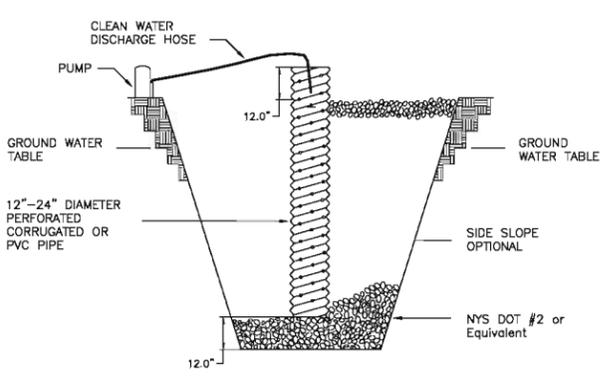
4 TREE PROTECTION-FENCING
 C1.1, C1.2 | C1.3 NOT TO SCALE



NOTES:

- STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH - NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
- THICKNESS - NOT LESS THAN SIX (6) INCHES.
- WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
- FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
- SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
- MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACTED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON A AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

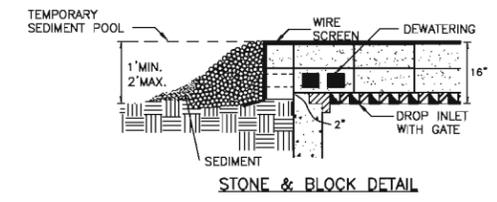
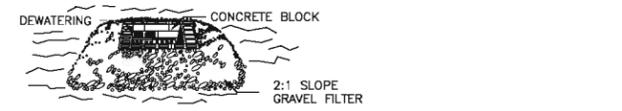
2 STABILIZED CONSTRUCTION ENTRANCE
 C1.1, C1.2 | C1.3 NOT TO SCALE



NOTES:

- PIT DIMENSIONS ARE OPTIONAL.
- THE STANDPIPE SHOULD BE CONSTRUCTED BY PERFORATING A 12"-24" DIAMETER CORRUGATED OR PVC PIPE.
- A BASE OF 2" AGGREGATE SHOULD BE PLACED IN THE PIT TO A DEPTH OF 12". AFTER INSTALLING THE STANDPIPE, THE PIT SURROUNDING THE STANDPIPE SHOULD BE BACKFILLED WITH 2" AGGREGATE.
- THE STANDPIPE SHOULD EXTEND 12"-18" ABOVE THE LIP OF THE PIT.
- IF DISCHARGE WILL BE PUMPED DIRECTLY TO A STORM DRAINAGE SYSTEM, THE STANDPIPE SHOULD BE WRAPPED WITH FILTERCLOTH BEFORE INSTALLATION. IF DESIRED, 1/4"-1/2" HARDWARE CLOTH MAY BE PLACED AROUND THE STANDPIPE, PRIOR TO ATTACHING THE FILTERCLOTH.

5 SUMP PIT
 C1.3 NOT TO SCALE

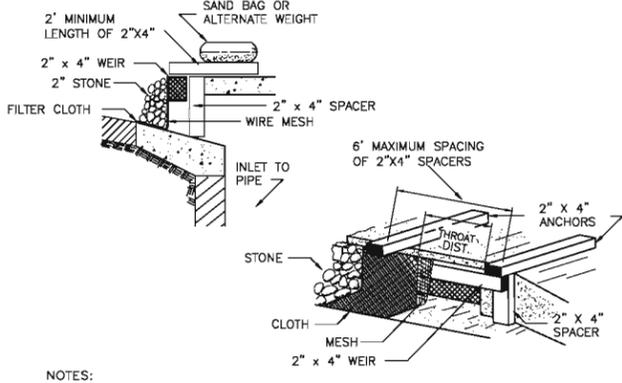


"DOUGHNUT" DETAIL

NOTES:

- LAY ONE BLOCK ON EACH SIDE OF THE STRUCTURE ON ITS SIDE FOR DEWATERING. FOUNDATION SHALL BE 2 INCHES MINIMUM BELOW REST OF INLET AND BLOCKS SHALL BE PLACED AGAINST INLET FOR SUPPORT.
- HARDWARE CLOTH OR 1/2" WIRE MESH SHALL BE PLACED OVER BLOCK OPENINGS TO SUPPORT STONE.
- USE CLEAN STONE OR GRAVEL 1/2"-3/4" INCH IN DIAMETER PLACED 2 INCHES BELOW TOP OF THE BLOCK ON A 2:1 SLOPE OR FLATTER.
- FOR STONE STRUCTURES ONLY, A 1 FOOT THICK LAYER OF THE FILTER STONE WILL BE PLACED AGAINST THE 3 INCH STONE AS SHOWN ON THE DRAWINGS. MAXIMUM DRAINAGE AREA 1 ACRE

FILTER FABRIC

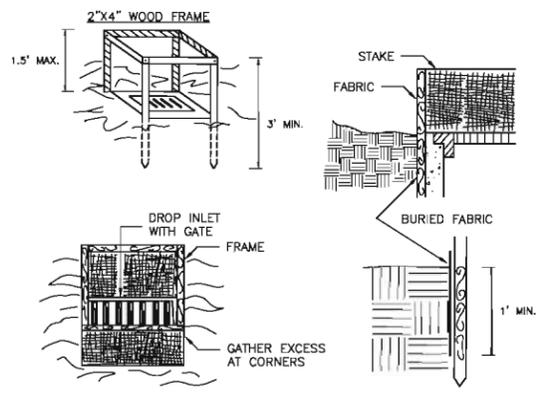


NOTES:

- FILTER FABRIC SHALL HAVE AN EOS OF 40-85.
- WOODEN FRAME SHALL BE CONSTRUCTED OF 2" x 4" CONSTRUCTION GRADE LUMBER.
- WIRE MESH ACROSS THROAT SHALL BE A CONTINUOUS PIECE 30 INCH MINIMUM WIDTH WITH A LENGTH 4 FEET LONGER THAN THE THROAT. IT SHALL BE SHAPED AND SECURELY NAILED TO A 2" x 4" WEIR.
- THE WEIR SHALL BE SECURELY NAILED TO 2" x 4" SPACERS 9 INCHES LONG SPACED NO MORE THAN 6 FEET APART.
- THE ASSEMBLY SHALL BE PLACED AGAINST THE INLET AND SECURED BY 2" x 4" ANCHORS 2 FEET LONG EXTENDING ACROSS THE TOP OF THE INLET AND HELD IN PLACE BY SANDBAGS OR ALTERNATE WEIGHTS. MAXIMUM DRAINAGE AREA 1 ACRE

CURB

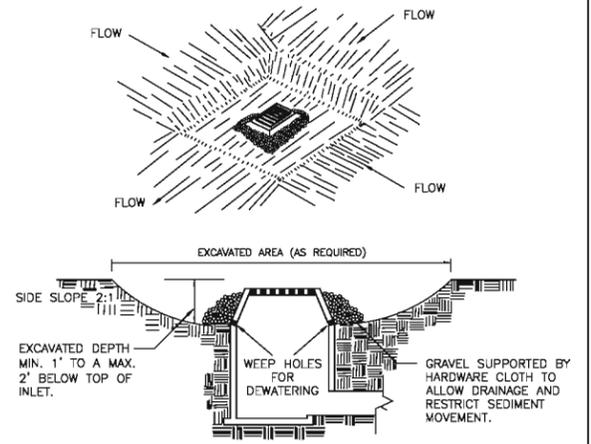
3 DROP INLET PROTECTION
 C1.1, C1.2 | C1.3 NOT TO SCALE



NOTES:

- FILTER FABRIC SHALL HAVE AN EOS OF 40-85. BURLAP MAY BE USED FOR SHORT TERM APPLICATIONS.
- CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY WILL BE OVERLAPPED TO THE NEXT STAKE.
- STAKE MATERIALS WILL BE STANDARD 2" x 4" WOOD OR EQUIVALENT. METAL WITH A MINIMUM LENGTH OF 3 FEET.
- SPACE STAKES EVENLY AROUND INLET 3 FEET APART AND DRIVE A MINIMUM 18 INCHES DEEP. SPANS GREATER THAN 3 FEET MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND THE FILTER FABRIC FOR SUPPORT.
- FABRIC SHALL BE EMBEDDED 1 FOOT MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.
- A 2" x 4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVER FLOW STABILITY. MAXIMUM DRAINAGE AREA 1 ACRE

STONE AND BLOCK

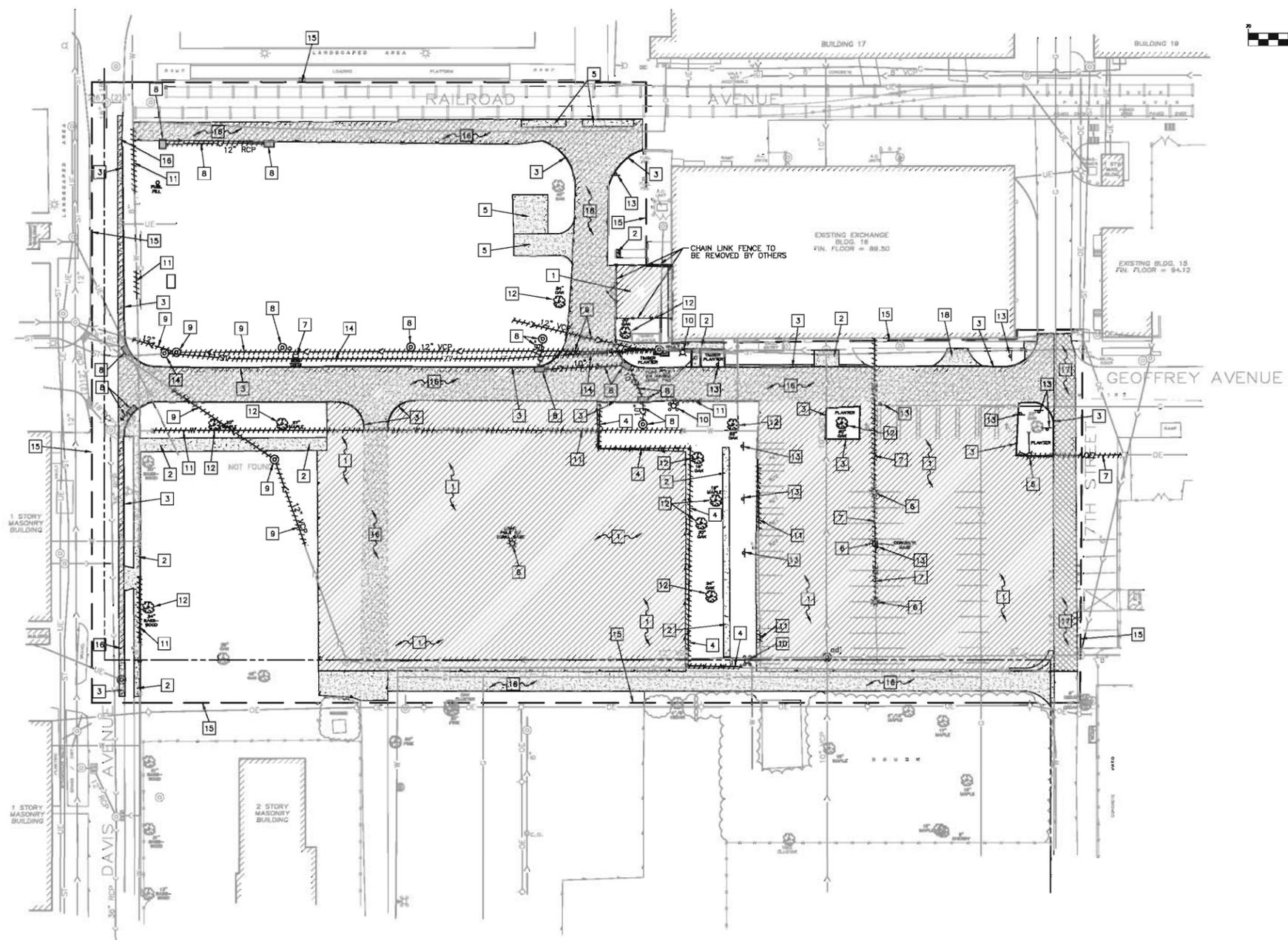
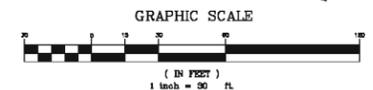


NOTES:

- CLEAR THE AREA OF ALL DEBRIS THAT WILL HINDER EXCAVATION.
- GRADE APPROACH TO THE INLET UNIFORMLY AROUND THE BASIN.
- WEEP HOLES SHALL BE PROTECTED BY GRAVEL.
- UPON STABILIZATION OF CONTRIBUTING DRAINAGE AREA, SEAL WEEP HOLES. FILL BASIN WITH STABLE SOIL TO FINAL GRADE, COMPACT IT PROPERLY AND STABILIZE WITH PERMANENT SEEDING. MAXIMUM DRAINAGE AREA 1 ACRE

EXCAVATED

DESIGNED BY: GPO		DRAWN BY: GRR		REVIEWED BY: EJS		SUBMITTED BY:		SOL. NO.		DATE: 09 JAN 12	
PROJECT NO. DECA0001		DRAWING NUMBER		SHEET NO. 1 OF 11		SEQUENCE NO.		C13			
The Jenkins Group 300 Park Boulevard, Suite 250 Itasca, Illinois 60143-3146				DEFENSE COMMISSARY AGENCY DECA LOGISTICS AND ENGINEERING GROUP FORT LEE, VIRGINIA LACKLAND AFB, TEXAS							
NEW COMMISSARY FACILITY EROSION CONTROL PLAN DETAILS NAVAL STATION NEW YORK, MITCHEL FIELD GARDEN CITY, NEW YORK											



KEYED NOTES

- 1 REMOVE BITUMINOUS PAVEMENT
- 2 REMOVE CONCRETE SIDEWALK
- 3 REMOVE CONCRETE CURB
- 4 REMOVE CHAIN LINK FENCE
- 5 REMOVE CONCRETE PADS
- 6 REMOVE POWER AND LIGHT POLE AND CONCRETE BASE
- 7 REMOVE ELECTRIC CABLES
- 8 REMOVE DRAINAGE STRUCTURE AND SEWER
- 9 REMOVE SANITARY STRUCTURE AND SEWER
- 10 REMOVE FIRE HYDRANT AND VALVES
- 11 REMOVE WATER MAIN
- 12 REMOVE DECIDUOUS TREE
- 13 REMOVE SIGN
- 14 REMOVE STEAM LINE AND STRUCTURE
- 15 PROJECT LIMIT LINE
- 16 REMOVE CONCRETE PAVEMENT - 11"± (MAY INCLUDE ASPHALY OVERLAY)
- 17 REMOVE BITUMINOUS OVERLAY FROM CONCRETE PAVEMENT

SYMBOL LEGEND

- REMOVE CONIFER TREE (TRUNK DIA. INDICATED)
- REMOVE DECIDUOUS TREE (TRUNK DIA. INDICATED)
- REMOVE SHRUB LINE
- EXISTING CURB
- EXISTING MANHOLE
- EXISTING CLEANOUT
- EXISTING SANITARY SEWER
- EXISTING CATCH BASIN
- EXISTING INLET
- EXISTING STORM SEWER
- EXISTING FIRE HYDRANT
- EXISTING VALVE BOX
- EXISTING WATER MAIN
- EXISTING GAS MAIN
- EXISTING OVERHEAD ELECTRIC CABLES
- EXISTING UNDERGROUND ELECTRIC CABLES
- EXISTING STEAM LINE
- EXISTING POWER POLE
- EXISTING LIGHT POLE
- EXISTING GUY CABLE
- EXISTING SIGN
- EXISTING FENCE
- EXISTING CURB REMOVAL
- EXISTING FENCE REMOVAL
- MANHOLE REMOVAL
- MANHOLE RIM ELEVATION TO BE ADJUSTED
- CLEANOUT REMOVAL
- SANITARY SEWER REMOVAL
- CATCH BASIN REMOVAL
- INLET REMOVAL
- STORM SEWER REMOVAL
- FIRE HYDRANT REMOVAL
- VALVE BOX REMOVAL
- WATER MAIN REMOVAL
- GAS MAIN REMOVAL
- OVER HEAD ELECTRIC CABLES REMOVAL
- UNDERGROUND ELECTRIC CABLE REMOVAL
- UNDERGROUND STEAM LINE REMOVAL
- POWER POLE REMOVAL
- LIGHT POLE REMOVAL
- GUY CABLE REMOVAL
- SIGN REMOVAL
- DECIDUOUS TREE WITH TRUNK DIA. REMOVAL
- CONIFER TREE WITH TRUNK DIA. REMOVAL
- SHRUB LINE REMOVAL
- BITUMINOUS PAVEMENT REMOVAL
- CONCRETE REMOVAL
- BITUMINOUS OVERLAY REMOVAL
- CONSTRUCTION FENCE
- PROJECT LIMIT LINE

SYMBOL	D.O. NO.	ACTION	DATE	DESCRIPTION OF REVISION
			09 JAN 12	CONSTRUCTION ISSUE

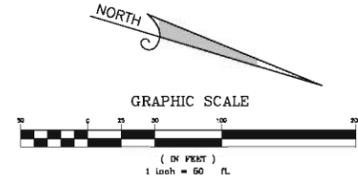
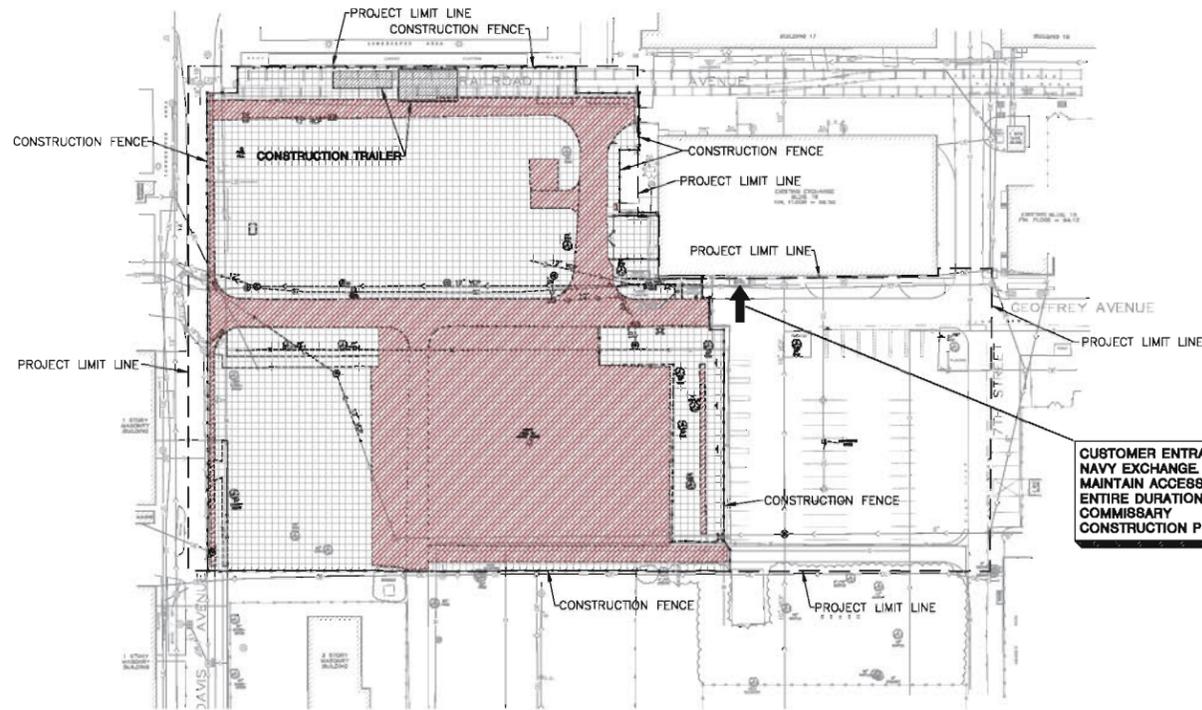
The Jenkins Group
 300 Park Boulevard, Suite 250
 Itasca, Illinois 60143-3146

DEFENSE COMMISSARY AGENCY
 DECA LOGISTICS AND ENGINEERING GROUP
 FORT LEE, VIRGINIA
 LACKLAND AFB, TEXAS

DESIGNED BY: GPO
 DRAWN BY: GRR
 REVIEWED BY: EJS

NEW COMMISSARY FACILITY
SITE DEMOLITION PLAN
 NAVAL STATION NEW YORK, MITCHEL FIELD
 GARDEN CITY, NEW YORK

ENGINEER:	SHEET NO. 8 OF 11	DATE: 09 JAN 12	SEQUENCE NO. C21
	DRAWING NUMBER		

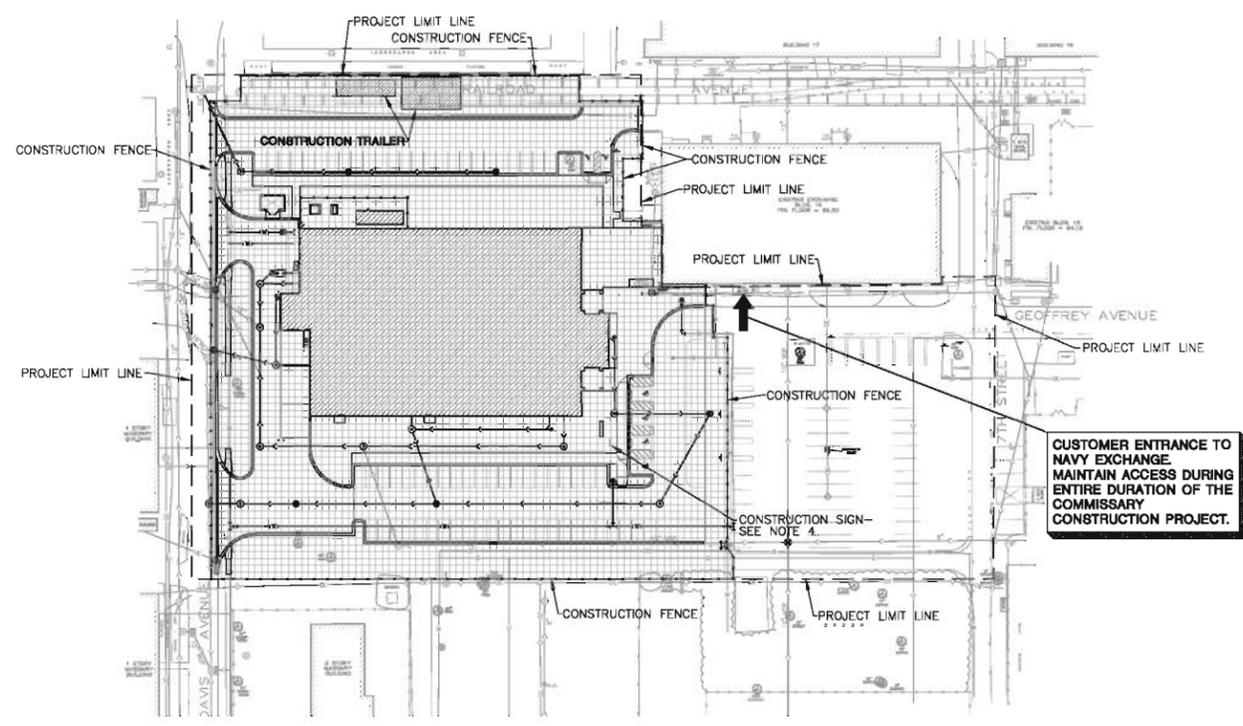


SYMBOL LEGEND

	PAVEMENT REMOVAL
	SURFACE PAVEMENT REMOVAL
	WORK AREA
	TO BE REMOVED
	NEW ITEM TO BE CONSTRUCTED DURING CURRENT STAGE
	NEW ITEM CONSTRUCTED DURING PREVIOUS STAGE
	CONSTRUCTION FENCE
	UTILITY TO BE REMOVED (SEE SHEET C2.1 FOR UTILITY LEGEND)
	NEW UNDERGROUND UTILITY (SEE SHEET C6.1 FOR UTILITY LEGEND)

STAGE I SITE CONSTRUCTION

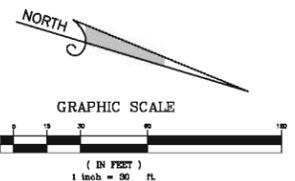
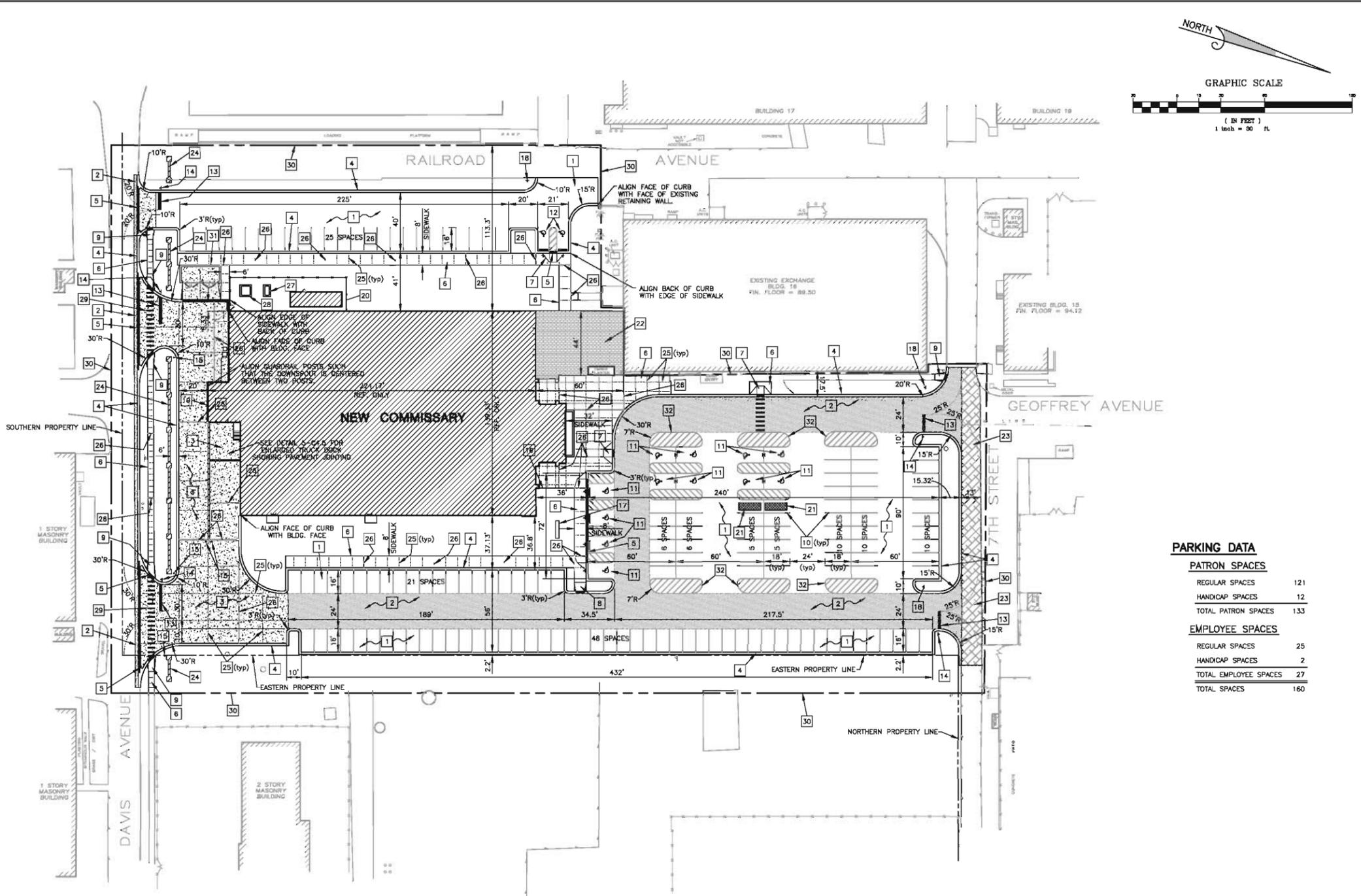
1. SET-UP CONSTRUCTION STAGING AREA WITH CONSTRUCTION TRAILERS.
2. REMOVE EXISTING TREES AS SHOWN ON SHEET C2.1.
3. REMOVE ABOVE GROUND UTILITIES. ENSURE THAT SERVICE IS MAINTAINED TO SURROUNDING USES, INCLUDING THE NAVY EXCHANGE, AT ALL TIMES.
4. REMOVE BITUMINOUS AND CONCRETE PAVEMENTS AND CONCRETE SIDEWALKS.
5. REMOVE UNDER GROUND UTILITIES AND STRUCTURES. INSURE THAT SERVICE IS MAINTAINED TO SURROUNDING USES, INCLUDING THE NAVY EXCHANGE, AT ALL TIMES.



STAGE II SITE CONSTRUCTION

1. AFTER ALL REMOVALS ARE COMPLETED DURING STAGE I, BEGIN CONSTRUCTION OF NEW UNDERGROUND UTILITIES.
2. BEGIN CONSTRUCTION OF THE NEW COMMISSARY.
3. INSTALL NEW CONSTRUCTION SIGN. (REF. DETAIL E-A6.6)
4. CONSTRUCT NEW CURB AND GUTTER, PAVEMENT AND SIDEWALKS.
5. INSTALL NEW PAVEMENT MARKINGS.

05 JAN 12		CONSTRUCTION ISSUE	
SYMBOL NO.	ACTION	DATE	DESCRIPTION OF REVISION
The Jenkins Group Buckhead/Atlanta/Chicago/Sydney 300 Park Boulevard, Suite 230 Atlanta, Illinois 60143-3146		DEFENSE COMMISSARY AGENCY DCA LOGISTICS AND ENGINEERING GROUP FORT LEE, VIRGINIA LACKLAND AFB, TEXAS	
DESIGNED BY:	NEW COMMISSARY FACILITY SITE STAGING PLAN NAVAL STATION NEW YORK, MITCHEL FIELD GARDEN CITY, NEW YORK		
DRAWN BY:			
REVIEWED BY:			
ENGINEER:	SOL. NO.	DATE:	05 JAN 12
	PROJECT NO.	DESIGN NO.	SEQUENCE NO.
	DRAWING NUMBER	SHEET NO.	4 OF 11
			C2.2



- ### KEYED NOTES
- 1 PARKING AREA PAVEMENT, REF. DETAIL 1-C4.1
 - 2 HEAVY DUTY PAVEMENT, REF. DETAIL 3-C4.1
 - 3 CONCRETE LOADING AREA PAVEMENT, REF. DETAIL 4-C4.1
 - 4 CONCRETE CURB AND GUTTER, REF. DETAIL 6-C4.1
 - 5 DEPRESSED CURB
 - 6 CONCRETE SIDEWALK, REF. DETAIL 7-C4.1 (SEE SHEET AB.4 FOR JOINTING PLAN)
 - 7 SIDEWALK RAMP, REF. DETAIL 9-C4.1
 - 8 SIDEWALK RAMP, REF. DETAIL 10-C4.1
 - 9 SIDEWALK RAMP, REF. DETAIL 11-C4.1
 - 10 90° SINGLE STRIPING, REF. DETAIL 1-C4.4
 - 11 90° VAN ACCESSIBLE PARKING STRIPING, REF. DETAIL 2-C4.4
 - 12 90° HANDICAP PARKING STRIPING, REF. DETAIL 3-C4.4
 - 13 STOP BAR, REF. DETAIL 8-C4.4
 - 14 STOP SIGN, REF. DETAIL 10-C4.4
 - 15 BUMPER POST, REF. DETAIL 14-C4.1
 - 16 THICKENED EDGE SIDEWALK, REF. DETAIL 8-C4.1
 - 17 STORE HOURS OF OPERATION SIGN
 - 18 COMMISSARY/NAVY EXCHANGE PARKING SIGN, REF. DETAIL 13-C4.4
 - 19 STEEL PLATE BEAM GUARDRAIL, REF. DETAIL 12-C4.4
 - 20 MECHANICAL YARD, REF. DETAIL 1-C4.5
 - 21 GF/GI SHOPPING CART CORRAL
 - 22 STAMPED CONCRETE DISPLAY AREA
 - 23 BITUMINOUS RESURFACING OF EXISTING CONCRETE PAVEMENT - VARIABLE DEPTH
 - 24 BRICK SCREEN WALL, REF. SHEET AB.4
 - 25 CONTRACTION JOINT, REF. DETAIL 13-C4.1
 - 26 EXPANSION JOINT, REF. DETAIL 13-C4.1
 - 27 GENERATOR PAD, REF. DETAIL 2-C4.5
 - 28 TRANSFORMER PAD, SUPPLIED BY LONG ISLAND POWER
 - 29 PAINTED CROSSWALK, REF. DETAIL 7-C4.4
 - 30 PROJECT LIMIT LINE
 - 31 TRASH ENCLOSURE, REF. SHEET AB.1
 - 32 PAINTED ISLAND, REF. DETAIL 5-C4.4

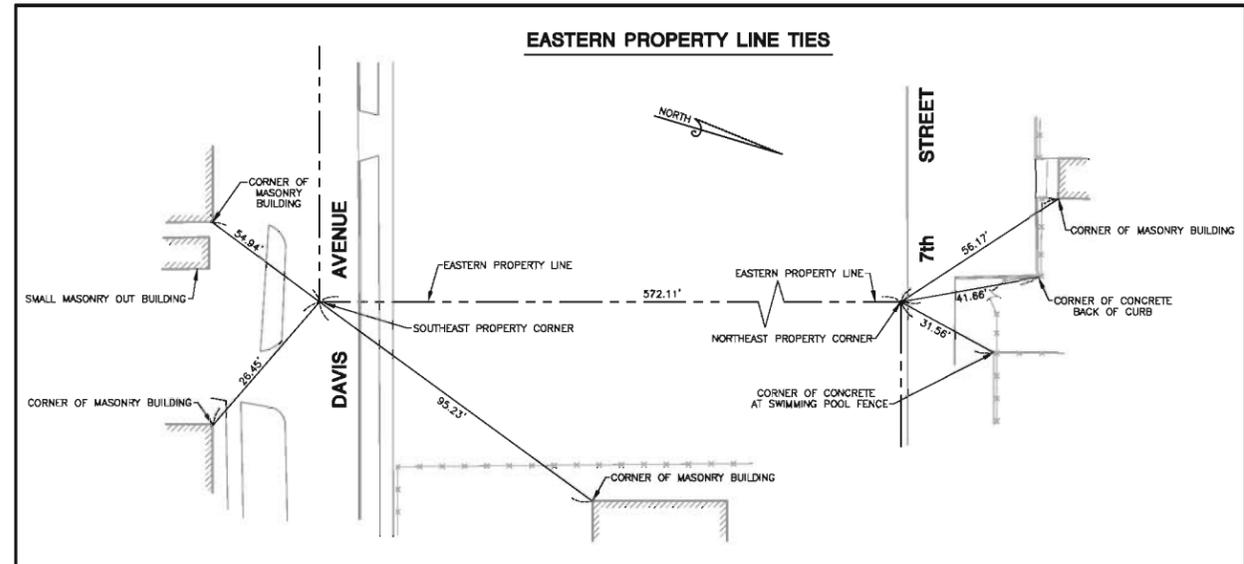
PARKING DATA

PATRON SPACES	
REGULAR SPACES	121
HANDICAP SPACES	12
TOTAL PATRON SPACES	133
EMPLOYEE SPACES	
REGULAR SPACES	25
HANDICAP SPACES	2
TOTAL EMPLOYEE SPACES	27
TOTAL SPACES	160

- ### SITE LAYOUT PLAN NOTES
1. ALL DIMENSIONS GIVEN ARE TO EDGE OF PAVEMENT, OUTSIDE FACE OF BUILDING FOUNDATION, OR CENTER OF PAVEMENT MARKING UNLESS OTHERWISE NOTED.
 2. ALL DIMENSIONS ARE PARALLEL AND PERPENDICULAR TO EASTERN PROPERTY LINE. SEE "EASTERN PROPERTY LINE TIES" DETAIL THIS SHEET FOR LOCATION.

SYMBOL LEGEND

	HEAVY DUTY PAVEMENT
	CONCRETE LOADING AREA PAVEMENT
	BITUMINOUS RESURFACING OVER CONCRETE PAVEMENT



SYMBOL NO.	ACTION	DATE	DESCRIPTION OF REVISION
		09 JAN 12	CONSTRUCTION ISSUE

The Jenkins Group
 300 Park Boulevard, Suite 250
 Itasca, Illinois 60143-3146

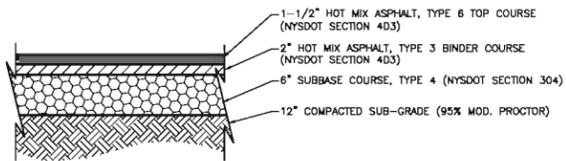
DEFENSE COMMISSARY AGENCY
 DECA LOGISTICS AND ENGINEERING GROUP
 FORT LEE, VIRGINIA
 LACKLAND AFB, TEXAS

NEW COMMISSARY FACILITY

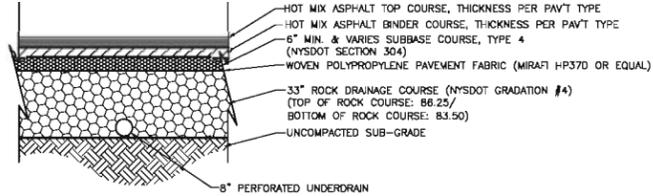
SITE LAYOUT PLAN

NAVAL STATION NEW YORK, MITCHEL FIELD
GARDEN CITY, NEW YORK

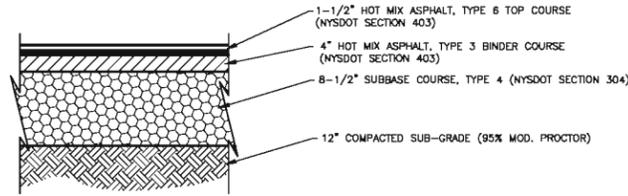
DESIGNED BY: GPO	SOL. NO.	DATE: 09 JAN 12
DRAWN BY: GRR	PROJECT NO. DECA-1001	SEQUENCE NO.
REVIEWED BY: EJS	DRAWING NUMBER	SHEET NO. 11 OF 11
ENGINEER:		C3.1



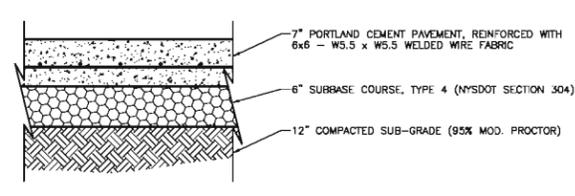
1 PARKING AREA PAVING
C3.1|C4.1 NOT TO SCALE



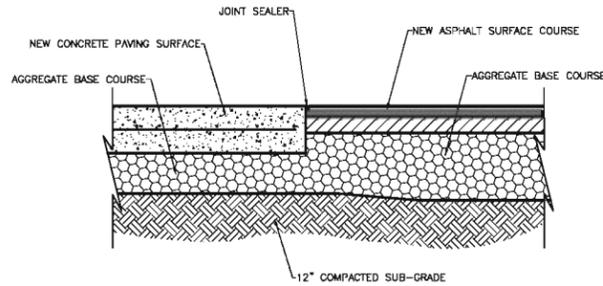
2 PAVING WITH UNDERPAVEMENT DETENTION
C3.1|C4.1 NOT TO SCALE



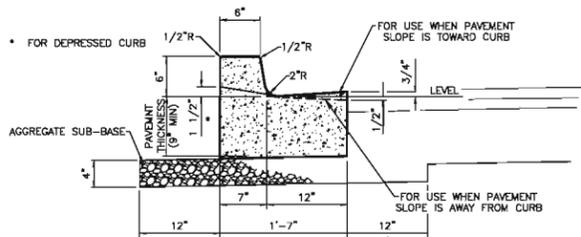
3 HEAVY DUTY PAVING
C3.1|C4.1 NOT TO SCALE



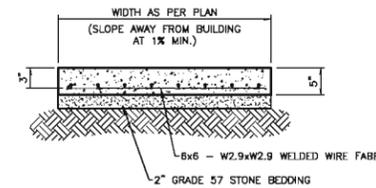
4 LOADING AREA PAVING
C3.1|C4.1 NOT TO SCALE



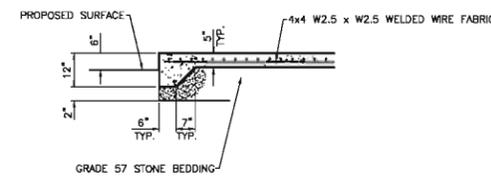
5 NEW ASPHALT AT NEW CONCRETE
C3.1|C4.1 NOT TO SCALE



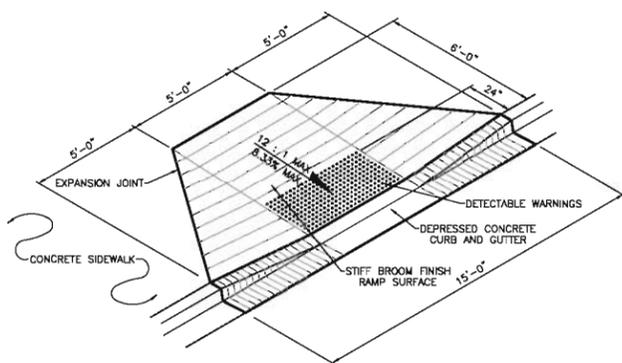
6 BARRIER CONCRETE CURB AND GUTTER
C3.1|C4.1 NOT TO SCALE



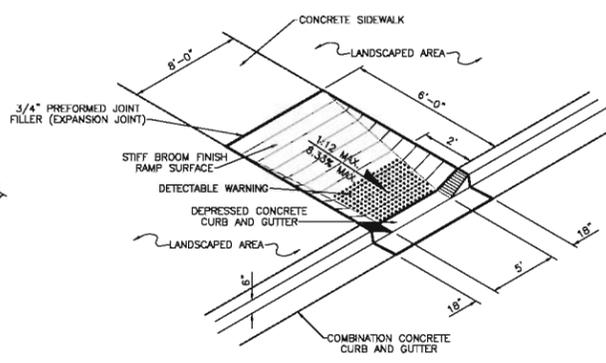
7 CONCRETE SIDEWALK
C3.1|C4.1 NOT TO SCALE



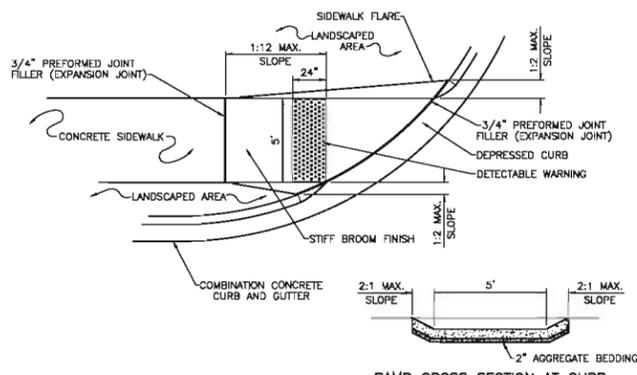
8 THICKENED EDGE SIDEWALK
C3.1|C4.1 NOT TO SCALE



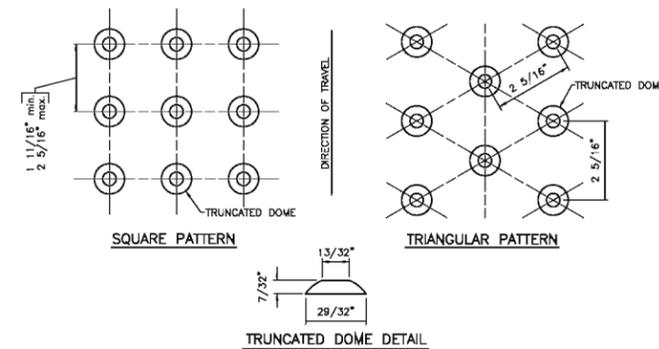
9 SIDEWALK RAMP
C3.1|C4.1 NOT TO SCALE



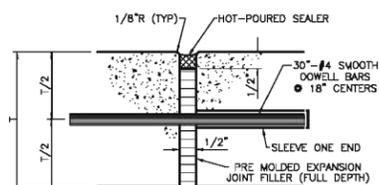
10 SIDEWALK RAMP
C3.1|C4.1 NOT TO SCALE



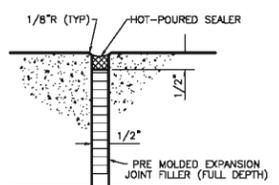
11 SIDEWALK RAMP
C3.1|C4.1 NOT TO SCALE



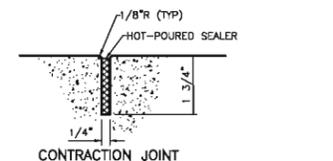
12 DETECTABLE WARNING
C4.1|C4.1 NOT TO SCALE



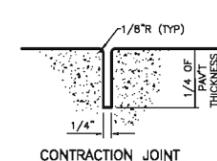
EXPANSION JOINT
NOTE: DO NOT RUN WIRE MESH REINFORCEMENT THRU EXPANSION JOINT



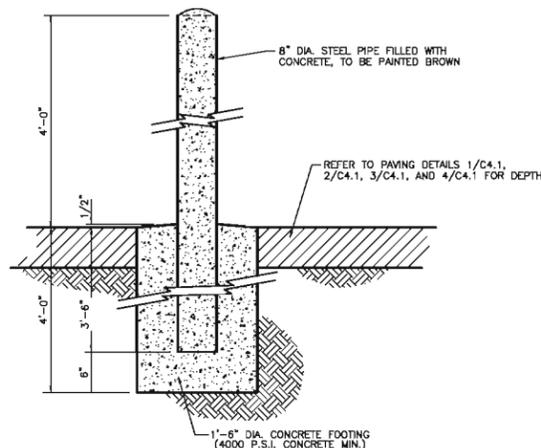
CONTRACTION JOINT
NOTE: CONTINUE WIRE MESH REINFORCEMENT THRU CONTRACTION JOINT



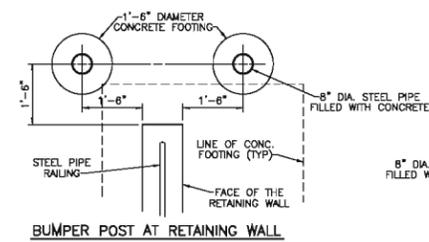
LOADING AREA PAVEMENT



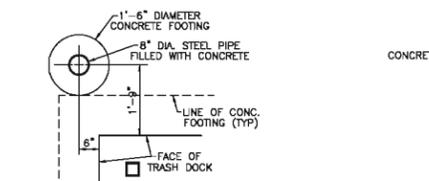
SIDEWALK



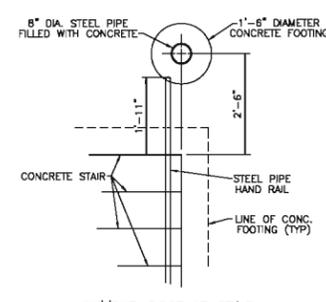
14 BUMPER POST
C3.1|C4.1 NOT TO SCALE



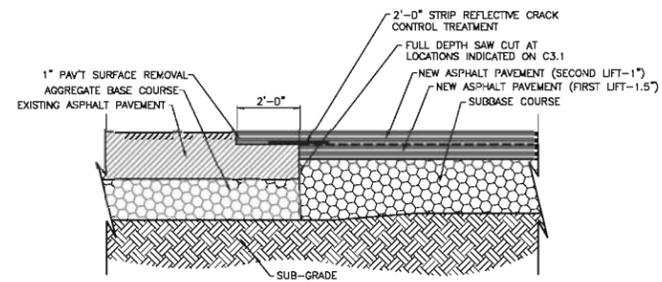
BUMPER POST AT RETAINING WALL



BUMPER POST AT TRASH DOCK



BUMPER POST AT STAIR

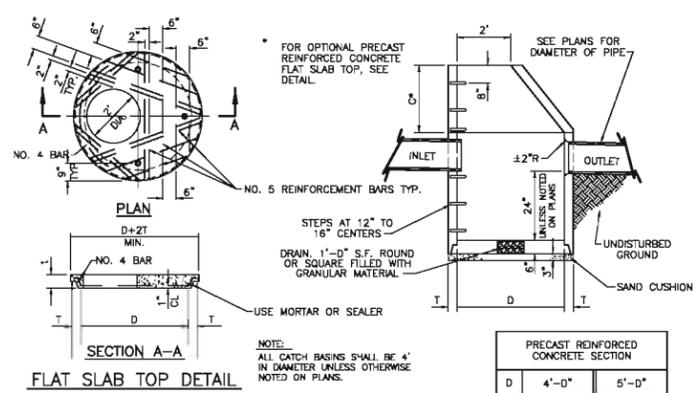


16 NEW ASPHALT AT EXISTING ASPHALT
C3.1|C4.1 NOT TO SCALE

13 CONCRETE JOINT DETAILS
C3.1|C4.1 NOT TO SCALE

15 BUMPER POST LOCATIONS
C3.1|C4.1 NOT TO SCALE

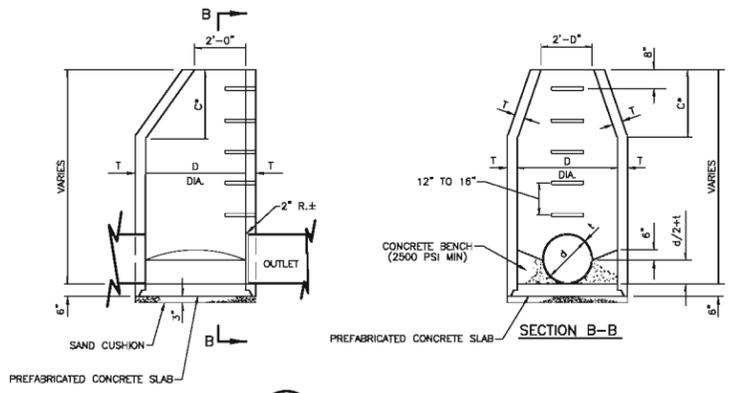
SYMBOL	D.O. NO.	ACTION	DATE	CONSTRUCTION ISSUE	DESCRIPTION OF REVISION
			09 JAN 12		
The Jenkins Group Rockwell/Leitch/Olson/Smith 300 Park Boulevard, Suite 250 Itasca, Illinois 60143-3146				DEFENSE COMMISSARY AGENCY OCA LOGISTICS AND ENGINEERING GROUP FORT LEE, VIRGINIA LACKLAND AFB, TEXAS	
DESIGNED BY:	NEW COMMISSARY FACILITY				
DRAWN BY:	SITE DETAILS				
REVIEWED BY:	NAVAL STATION NEW YORK, MITCHEL FIELD GARDEN CITY, NEW YORK				
SUBMITTED BY:	SOL. NO.	DATE:	09 JAN 12	SEQUENCE NO.	
ENGINEER:	PROJECT NO.	DRAWING NUMBER	SHEET NO.	12 OF 11	C4.1



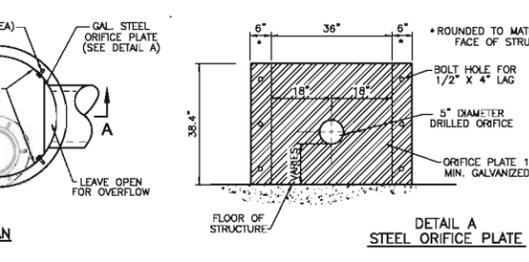
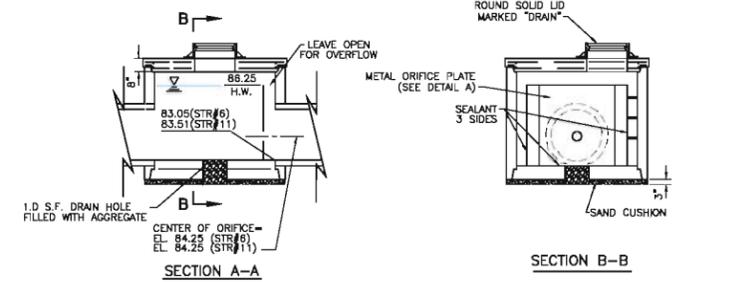
1 PRECAST ROUND DRAINAGE STRUCTURE WITH SUMP AND DRAIN
C6.1 | C4.2 NOT TO SCALE

PRECAST REINFORCED CONCRETE SECTION	
D	4'-0" 5'-0"
C	2'-6" 3'-9"
T	4" 5"

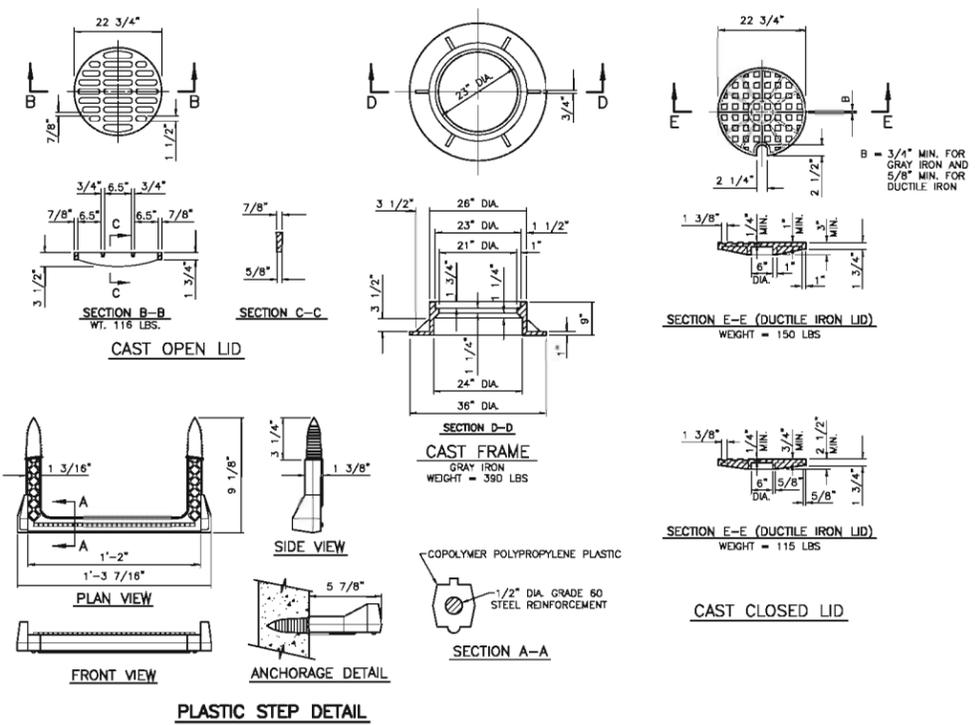
- NOTES**
- * DIMENSION "C" FOR PRECAST REINFORCED CONCRETE SECTIONS MAY VARY FROM THE DIMENSIONS GIVEN TO PLUS 6".
 - ** THE REINFORCED PLASTIC STEPS AS DETAILED HEREIN ARE TYPICAL. STEPS OF OTHER DESIGN AND MATERIAL THAT WILL CONFORM TO THE MINIMUM REQUIREMENTS OF THE STEPS SHOWN, MAY BE USED WHEN APPROVED BY THE ENGINEER.
 - STEPS SHALL BE EMBEDDED INTO THE WALL A MINIMUM OF 3". STEPS SHALL NOT BE EXTENDED ON THE OUTSIDE.



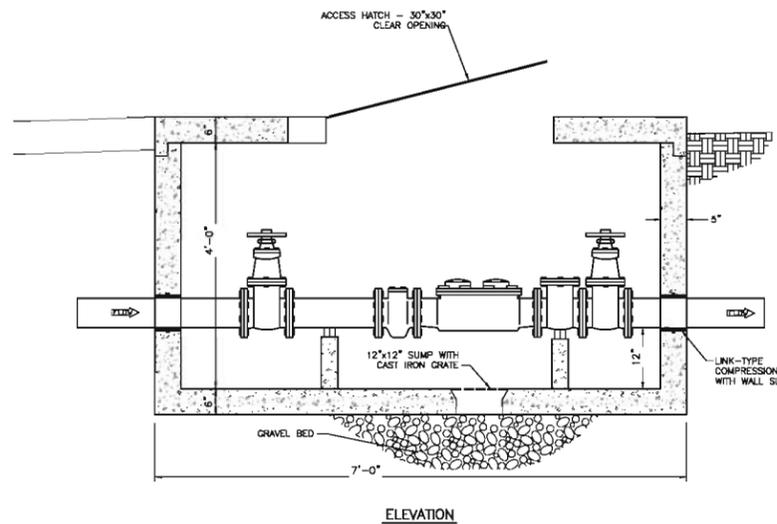
2 PRECAST STORM MANHOLE
C6.1 | C4.2 NOT TO SCALE



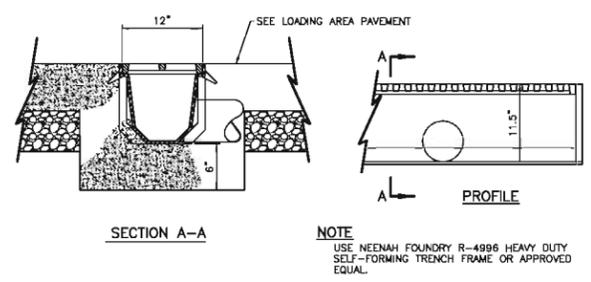
3 RESTRICTOR DETAIL
C6.1 | C4.2



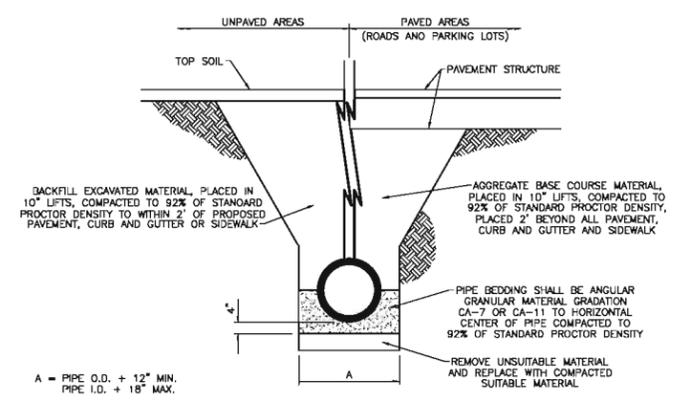
4 STORM FRAME AND LIDS
C6.1 | C4.2 NOT TO SCALE



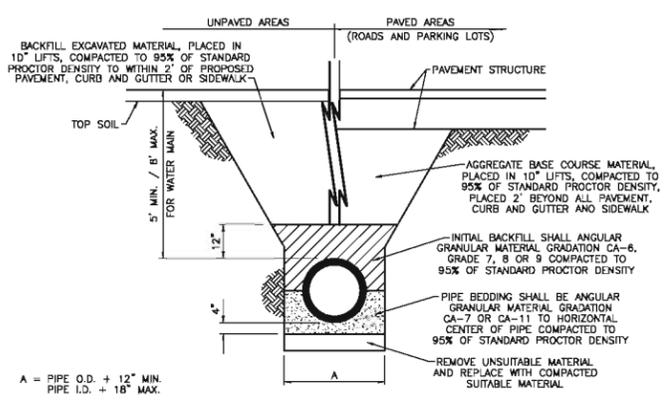
5 WATER METER IN VAULT
C6.1 | C4.2 NOT TO SCALE



6 TRENCH DRAIN
C6.1 | C4.2 NOT TO SCALE

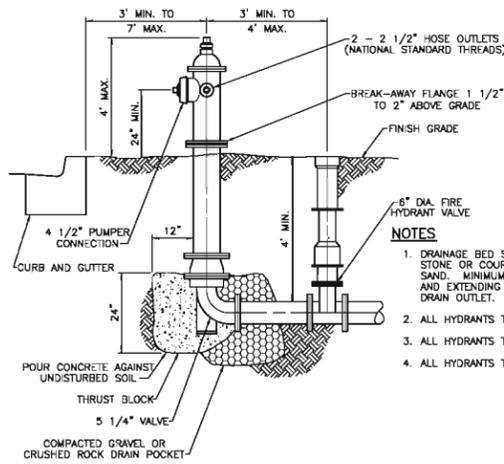


7 TRENCH DETAIL FOR REINFORCED CONCRETE PIPE
C6.1 | C4.2 NOT TO SCALE



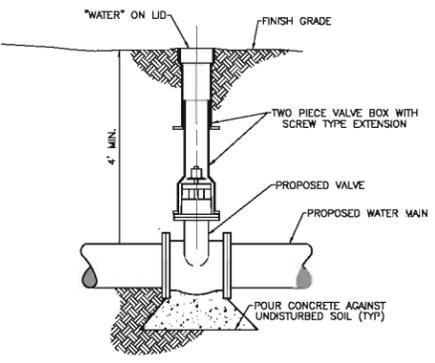
8 TRENCH DETAIL FOR PVC PIPE
C6.1 | C4.2 NOT TO SCALE

SYMBOL	D.O. NO.	ACTION	DATE	DESCRIPTION OF REVISION
			09 JAN 12	CONSTRUCTION ISSUE
The Jenkins Group Rockwell/Verisim/Orion/Single 300 Park Boulevard, Suite 250 Itasca, Illinois 60143-3146		DEFENSE COMMISSARY AGENCY DeCA LOGISTICS AND ENGINEERING GROUP FORT LEE, VIRGINIA LACKLAND AFB, TEXAS		
DESIGNED BY:	NEW COMMISSARY FACILITY SITE DETAILS NAVAL STATION NEW YORK, MITCHEL FIELD GARDEN CITY, NEW YORK			
DRAWN BY:				
REVIEWED BY:				
SUBMITTED BY:				
ENGINEER:	SOL. NO.	DATE:	09 JAN 12	SEQUENCE NO.
	PROJECT NO. DECOMPA			
	DRAWING NUMBER	SHEET NO. 13 OF 11		C4.2

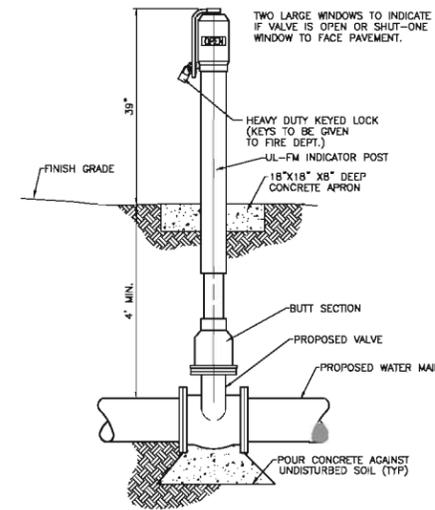


1 FIRE HYDRANT
C6.1 | C4.3 NOT TO SCALE

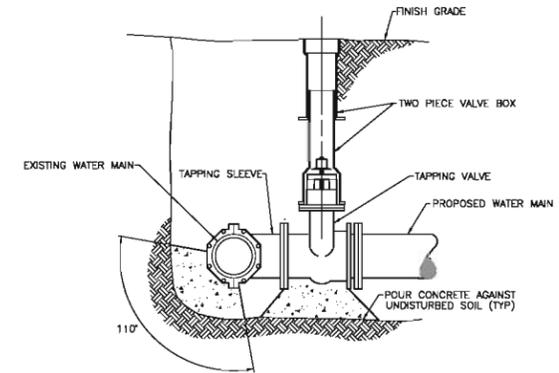
- NOTES**
1. DRAINAGE BED SHALL CONSIST OF CRUSH STONE OR COURSE GRAVEL WITH COURSE SAND. MINIMUM VOLUME 6 CUBIC FEET AND EXTENDING A MINIMUM OF 6\"/>
 - 2. ALL HYDRANTS TO BE BLOCKED AS SHOWN.
 - 3. ALL HYDRANTS TO BE INSTALLED PLUMB.
 - 4. ALL HYDRANTS TO OPEN COUNTER-CLOCKWISE.



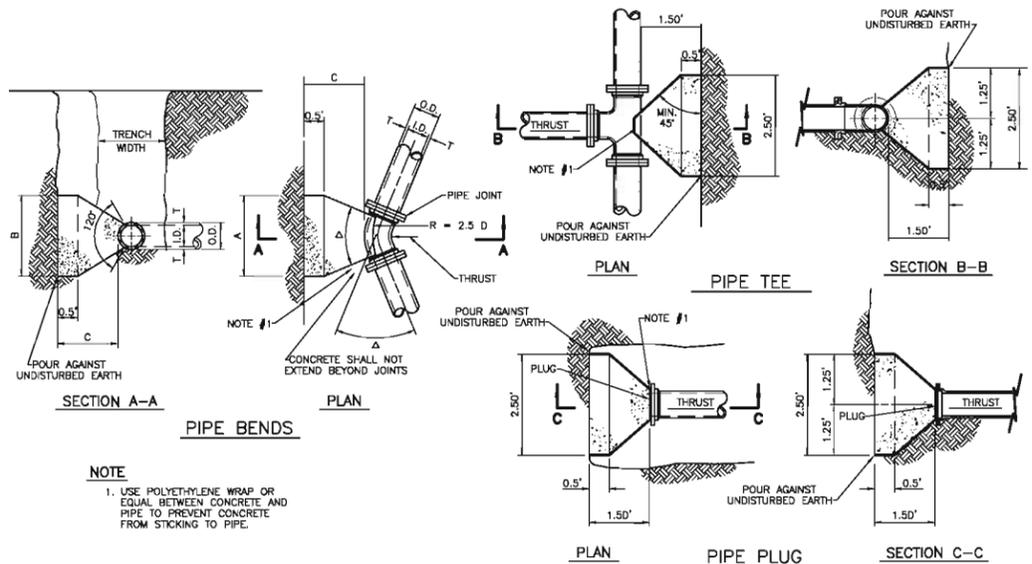
2 VALVE IN VALVE BOX
C6.1 | C4.3 NOT TO SCALE



3 POST INDICATOR VALVE
C6.1 | C4.3 NOT TO SCALE



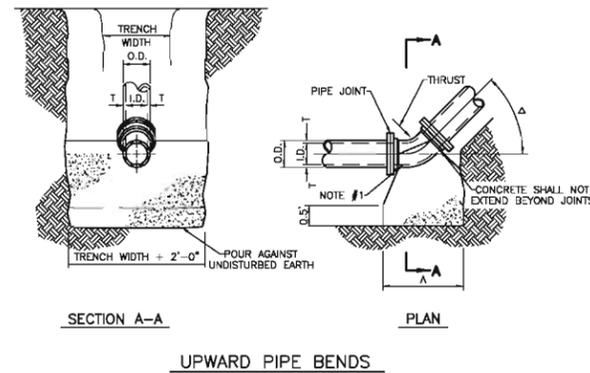
4 PRESSURE CONNECTION
C6.1 | C4.3 NOT TO SCALE



NOTE
1. USE POLYETHYLENE WRAP OR EQUAL BETWEEN CONCRETE AND PIPE TO PREVENT CONCRETE FROM STICKING TO PIPE.

I.D. (IN.)	T (IN.)	O.D. (IN.)	$\Delta = 11.25^\circ$				$\Delta = 22.50^\circ$				$\Delta = 45^\circ$				$\Delta = 90^\circ$				
			A (FT.)	B (FT.)	VOL. (C.Y.)	THRUST (TONS)	A (FT.)	B (FT.)	VOL. (C.Y.)	THRUST (TONS)	A (FT.)	B (FT.)	VOL. (C.Y.)	THRUST (TONS)	A (FT.)	B (FT.)	VOL. (C.Y.)	THRUST (TONS)	
4	0.52	5.04	1.50	1.00	1.50	0.10	1.0	1.50	1.50	0.10	2.0	2.00	2.00	0.20	3.9	5.00	1.50	0.40	7.1
6	0.55	7.10	1.50	1.00	1.50	0.10	1.0	1.50	1.50	0.10	2.0	2.00	2.00	0.20	3.9	5.00	1.50	0.40	7.1
8	0.60	9.20	1.50	1.00	1.50	0.10	1.0	1.50	1.50	0.10	2.0	2.00	2.00	0.20	3.9	5.00	1.50	0.40	7.1

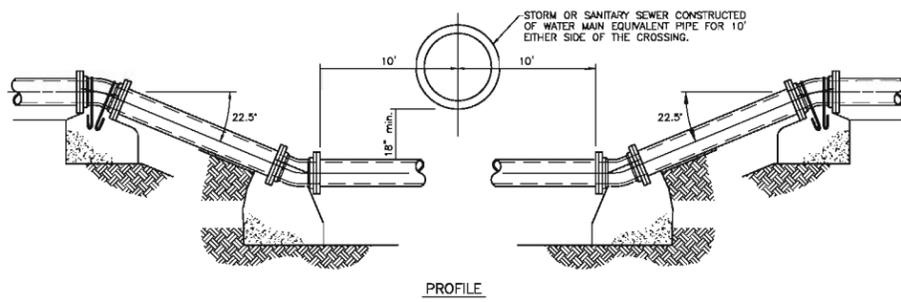
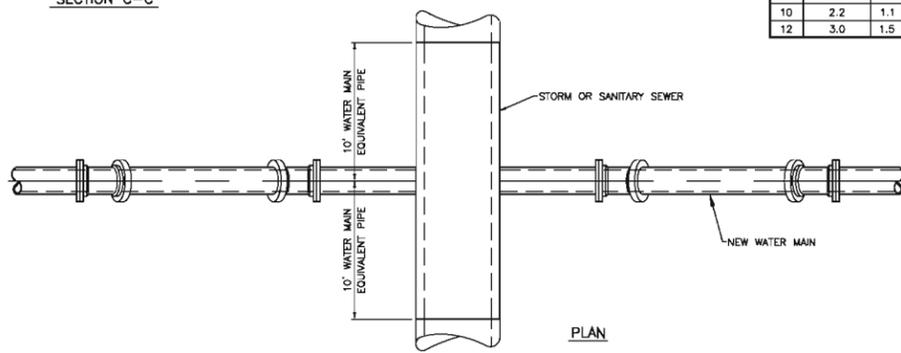
5 THRUST BLOCKS
C6.1 | C4.3 NOT TO SCALE



NOTE
1. USE POLYETHYLENE WRAP OR EQUAL BETWEEN CONCRETE AND PIPE TO PREVENT CONCRETE FROM STICKING TO PIPE.
2. TIE RODS SHALL BE DEFORMED CALVANIZED COLD-ROLLED STEEL (MINIMUM 40 KSI T.S.).

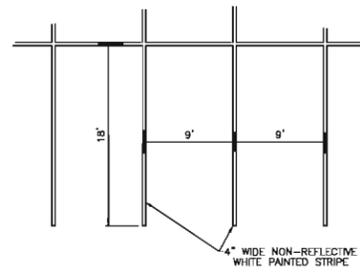
I.D. (IN.)	$\Delta = 11.25^\circ$		$\Delta = 22.50^\circ$		$\Delta = 45^\circ$	
	THRUST (TONS)	VOL. (C.Y.)	THRUST (TONS)	VOL. (C.Y.)	THRUST (TONS)	VOL. (C.Y.)
4	1.0	0.5	1.0	0.5	1.6	0.8
6	1.0	0.5	1.7	0.8	3.2	1.6
8	1.5	0.7	2.8	1.4	5.5	2.8
10	2.2	1.1	4.3	2.1	8.4	4.1
12	3.0	1.5	6.0	3.0	11.8	5.8

6 VERTICAL THRUST BLOCKS
C6.1 | C4.3 NOT TO SCALE



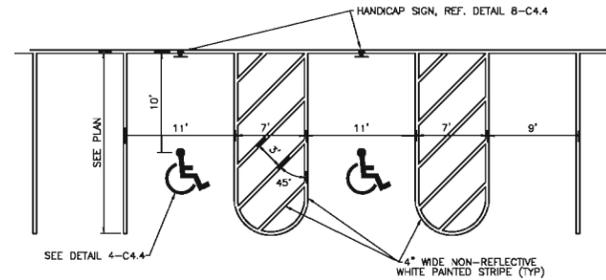
7 WATER MAIN LOWERING DETAIL
C6.1 | C4.3 NOT TO SCALE

DESIGNED BY: GPO		NEW COMMISSARY FACILITY SITE DETAILS NAVAL STATION NEW YORK, MITCHEL FIELD GARDEN CITY, NEW YORK	
DRAWN BY: GRR			
REVIEWED BY: EJS			
SUBMITTED BY:			
ENGINEER:		SOL. NO.	DATE: 09 JAN 12
PROJECT NO. DECOMPO		SEQUENCE NO.	
DRAWING NUMBER		SHEET NO. 14 OF 111	C4.3



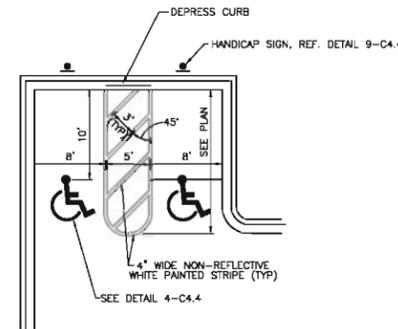
NOTE: 2 COATS OF PAINT ON ALL PAVEMENT MARKINGS

1 90° SINGLE STRIPING
C3.1|C4.4 NOT TO SCALE

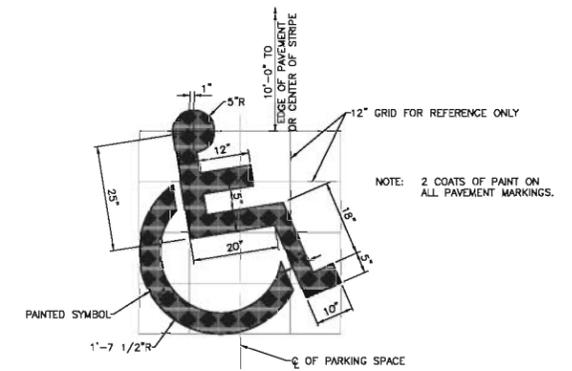


NOTE: 2 COATS OF PAINT ON ALL PAVEMENT MARKINGS

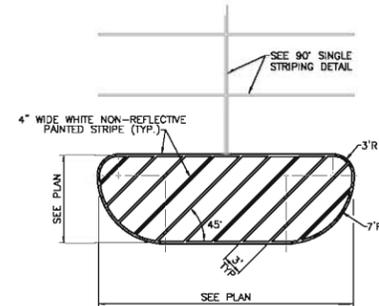
2 90° VAN ACCESSIBLE PARKING STRIPING
C3.1|C4.4 NOT TO SCALE



3 90° HANDICAP PARKING STRIPING
C3.1|C4.4 NOT TO SCALE

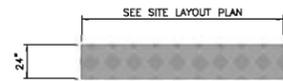


4 HANDICAP SYMBOL
C3.1|C4.4 NOT TO SCALE



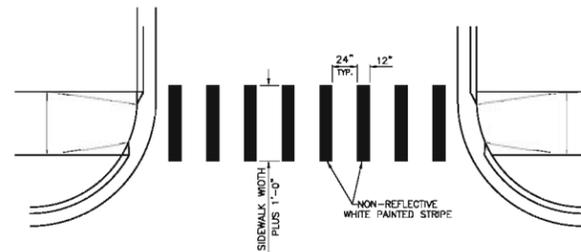
NOTE: 2 COATS OF PAINT ON ALL PAVEMENT MARKINGS

5 90° PAINTED ISLAND
C3.1|C4.4 NOT TO SCALE

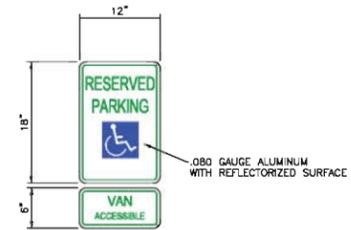


NOTE: 2 COATS OF REFLECTORIZED PAINT

6 STOP BAR
C3.1|C4.4 NOT TO SCALE

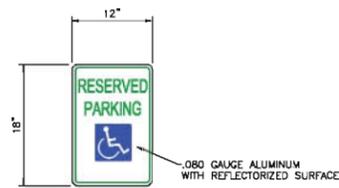


7 PAINTED CROSSWALK
C3.1|C4.4 NOT TO SCALE



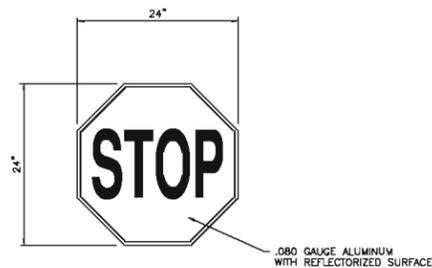
NOTES:
1. ALL SIGNAGE SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES LATEST EDITION
2. BOTTOM OF SIGN SHALL BE MOUNTED 5'-0" ABOVE PAVEMENT, SEE REF. DETAIL 11-C4.4 FOR SIGN MOUNTING

8 ACCESSIBLE PARKING SIGN WITH SUPPLEMENTARY VAN PLATE
C3.1|C4.4 NOT TO SCALE



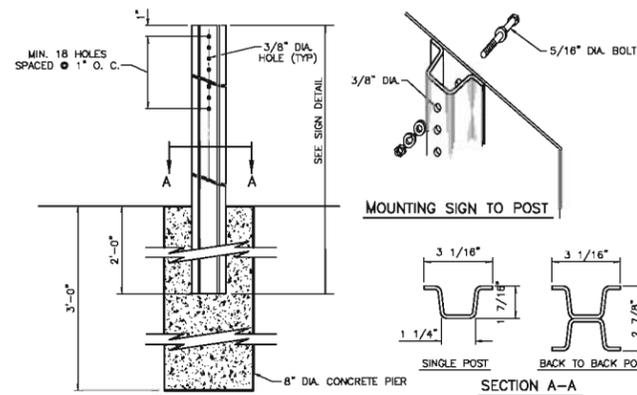
NOTES:
1. ALL SIGNAGE SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES LATEST EDITION
2. BOTTOM OF SIGN SHALL BE MOUNTED 5'-0" ABOVE PAVEMENT, SEE REF. DETAIL 11-C4.4 FOR SIGN MOUNTING

9 ACCESSIBLE SPACE SIGN
C3.1|C4.4 NOT TO SCALE

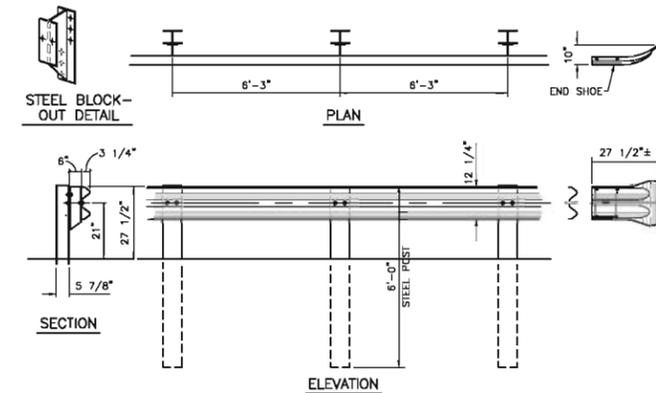


NOTES:
1. ALL SIGNAGE SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES LATEST EDITION
2. BOTTOM OF SIGN SHALL BE MOUNTED 7'-0" ABOVE PAVEMENT, SEE REF. DETAIL 11-C4.4 FOR SIGN MOUNTING

10 STOP SIGN
C3.1|C4.4 NOT TO SCALE



11 SIGN POST AND SIGN MOUNTING
C3.1|C4.4 NOT TO SCALE



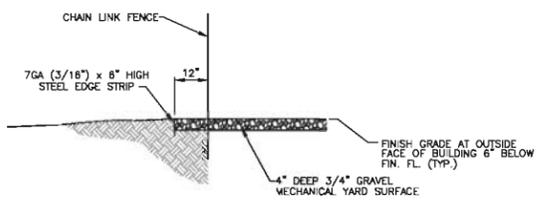
12 STEEL PLATE BEAM GUARDRAIL
C3.1|C4.4 NOT TO SCALE



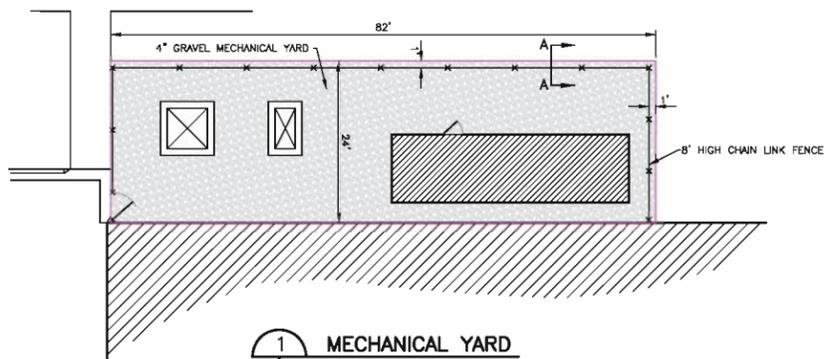
NOTES:
1. ALL SIGNAGE SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES LATEST EDITION
2. BOTTOM OF SIGN SHALL BE MOUNTED 7'-0" ABOVE PAVEMENT, SEE REF. DETAIL 11-C4.4 FOR SIGN MOUNTING

13 COMMISSARY AND NAVY EXCHANGE PARKING SIGN
C3.1|C4.4 NOT TO SCALE

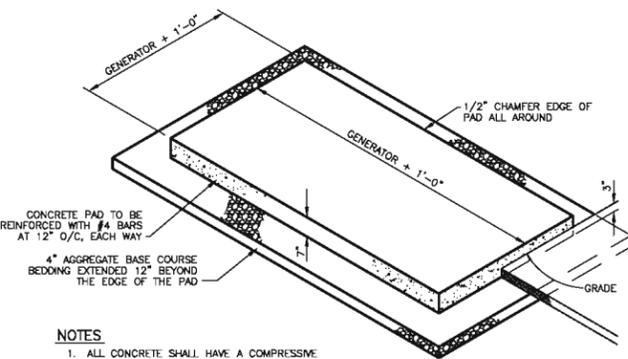
SYMBOL	D.O. NO.	ACTION	DATE	DESCRIPTION OF REVISION
			09 JAN 12	CONSTRUCTION ISSUE
The Jenkins Group Rockwood/Verisim/Orion/Single 300 Park Boulevard, Suite 250 Itasca, Illinois 60143-3146		DEFENSE COMMISSARY AGENCY DECA LOGISTICS AND ENGINEERING GROUP FORT LEE, VIRGINIA LACKLAND AFB, TEXAS		
DESIGNED BY:	NEW COMMISSARY FACILITY SITE DETAILS NAVAL STATION NEW YORK, MITCHEL FIELD GARDEN CITY, NEW YORK			
DRAWN BY:				
REVIEWED BY:				
SUBMITTED BY:				
ENGINEER:	SOL. NO.	DATE:	09 JAN 12	SEQUENCE NO.
	PROJECT NO. DECA0901			
	DRAWING NUMBER	SHEET NO.	OF III	C4.4



SECTION A-A

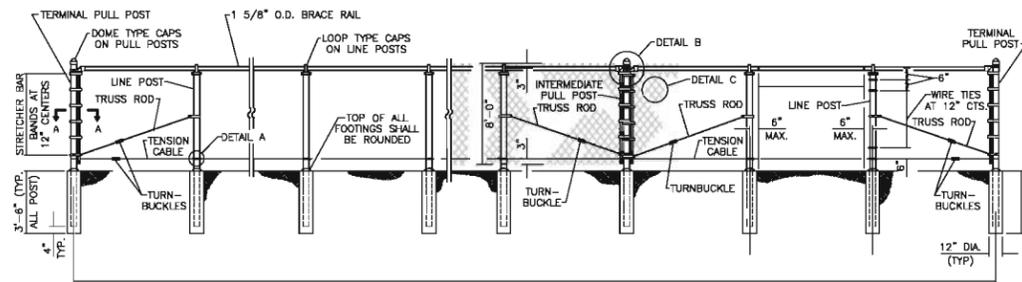


1 MECHANICAL YARD
C3.1|C4.5 NOT TO SCALE



- NOTES
1. ALL CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS.
 2. CONTRACTOR TO VERIFY SIZE OF ALL EQUIPMENT PRIOR TO INSTALLATION.

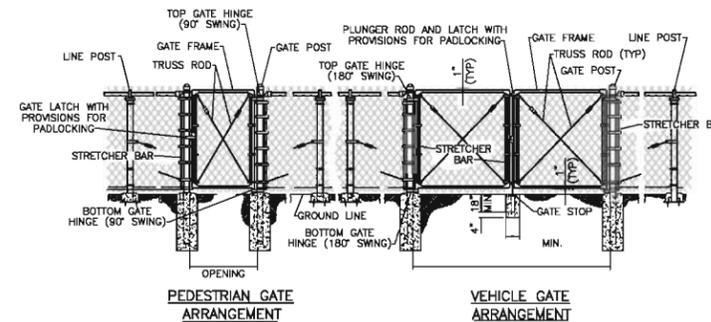
2 CONCRETE GENERATOR PAD
C3.1|C4.5 NOT TO SCALE



ELEVATION

FABRIC HEIGHT	END AND CORNER POST SECTION	lbs./ft.	LINE POST 8\"/>
4 TO 6 FT.	2 1/2\"/>		
7 TO 9 FT.	3\"/>		

POST SIZES OTHER THAN THOSE SHOWN MAY BE USED SUBJECT TO APPROVAL BY THE ENGINEER.

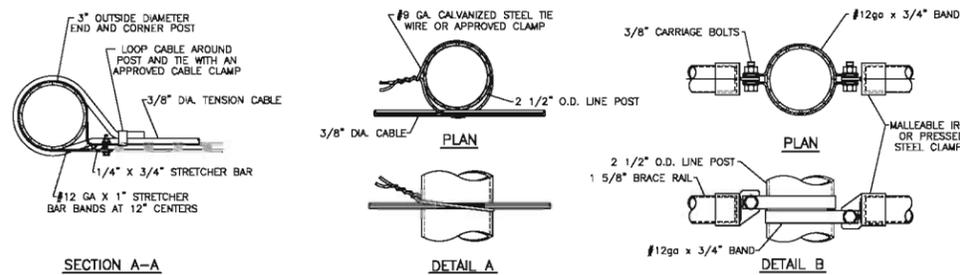


PEDESTRIAN GATE ARRANGEMENT VEHICLE GATE ARRANGEMENT

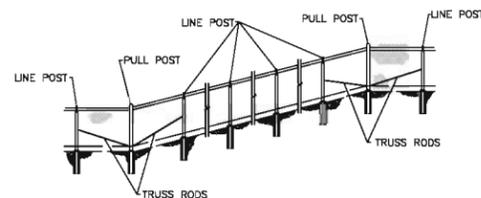
GENERAL NOTES

- LOADING FOR WIND 80 MPH WITH 30% GUST FACTOR.
- TENSION CABLE SHALL BE PROVIDED WITH ONE TURN BUCKLE BETWEEN EACH PAIR OF PULL POST.
- FENCE FABRIC SHALL BE TIED TO ALL LINE POSTS, TENSION CABLE AND BRACE RAILS WITH #9 GA. WIRE TIES AT 12\"/>

3 8' CHAIN LINK FENCE
C3.1|C4.5 NOT TO SCALE

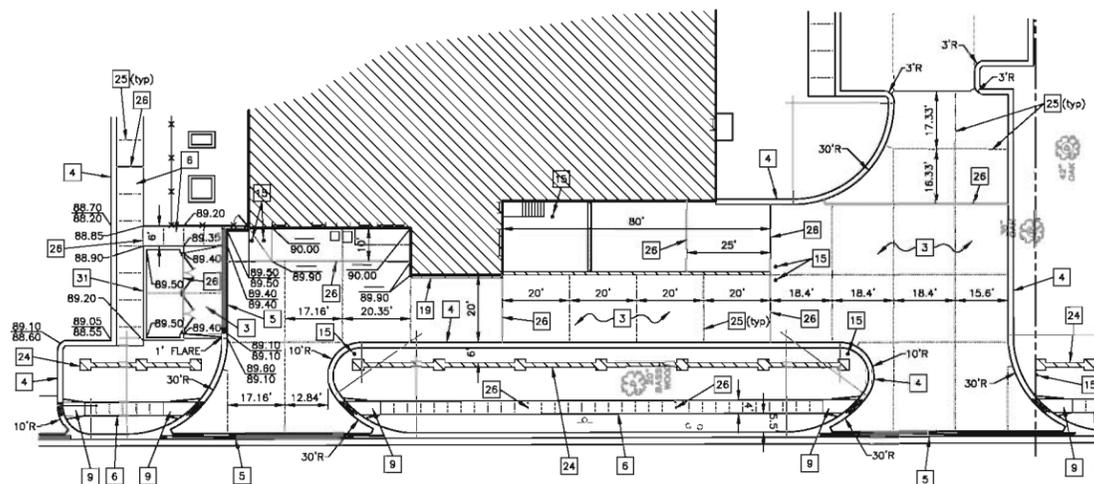


SECTION A-A (SHOWING METHOD OF FASTENING BOTTOM TENSION CABLE AND FENCE FABRIC TO PULL POST)



FENCE INSTALLATION ON SLOPES

4 CHAIN LINK FENCE DETAILS
C3.1|C4.5 NOT TO SCALE

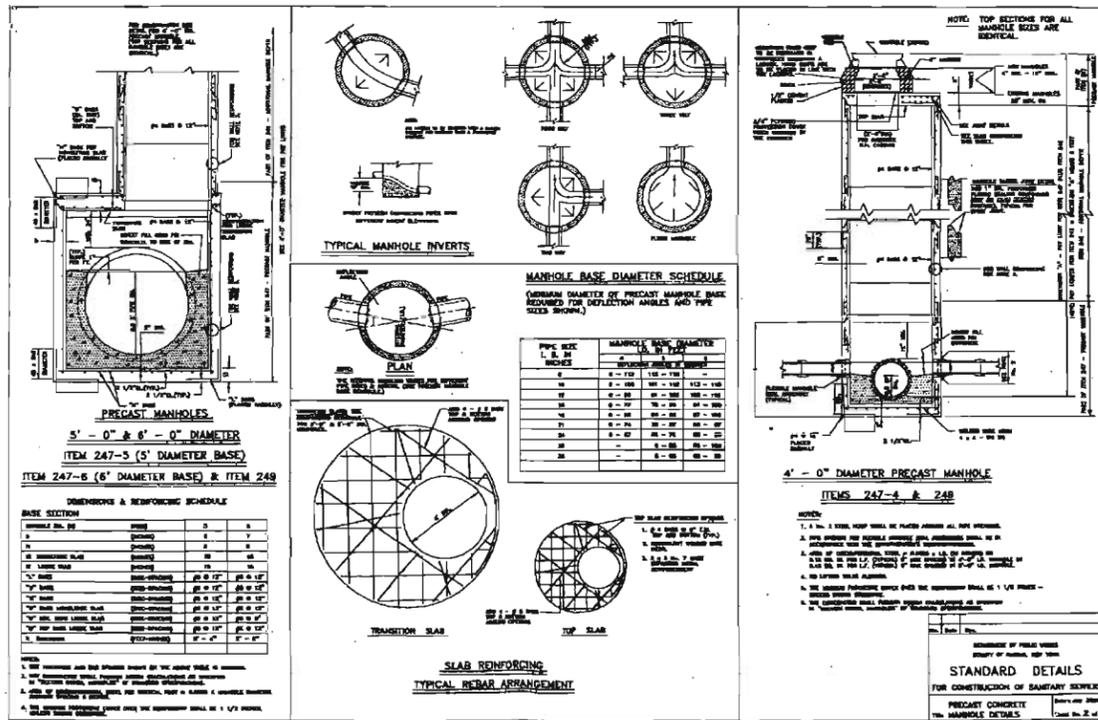


KEYED NOTES

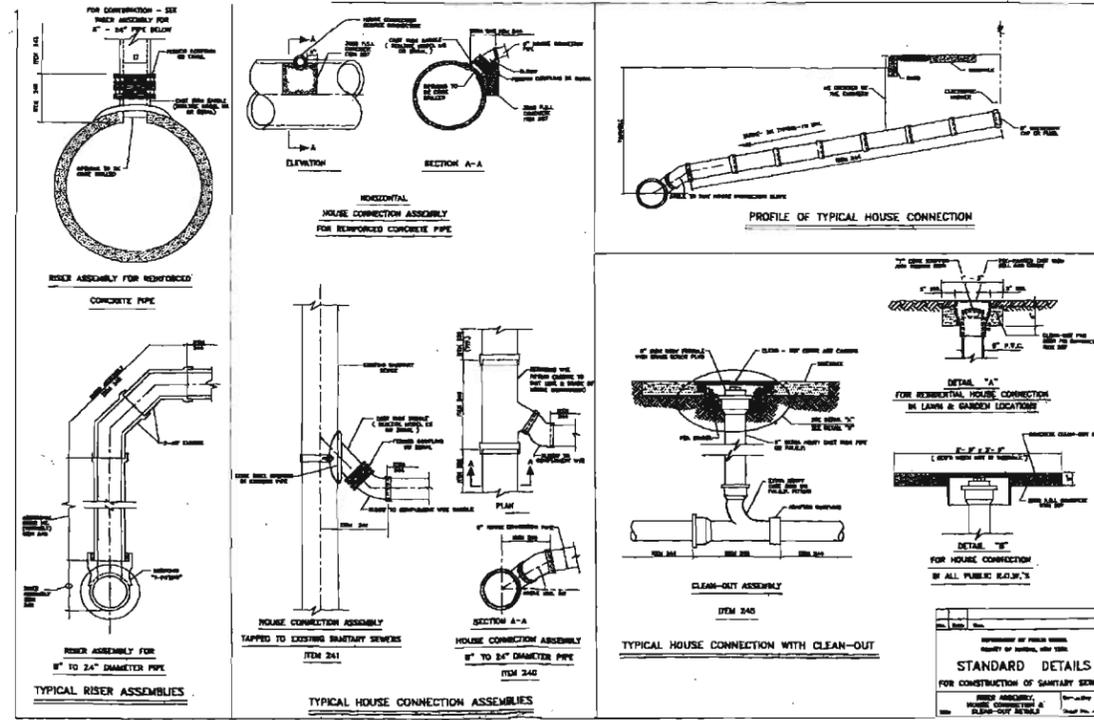
- 3 CONCRETE LOADING AREA PAVEMENT, REF. DETAIL 4-C4.1
- 4 CONCRETE CURB AND GUTTER, REF. DETAIL 6-C4.1
- 5 DEPRESSED CURB
- 6 CONCRETE SIDEWALK, REF. DETAIL 7-C4.1
- 9 SIDEWALK RAMP, REF. DETAIL 11-C4.1
- 15 BUMPER POST, REF. DETAIL 14-C4.1
- 19 STEEL PLATE BEAM GUARDRAIL, REF. DETAIL 12-C4.4
- 24 BRICK SCREEN WALL, REF. SHEET AB.4
- 25 CONTRACTION JOINT, REF. DETAIL 13-C4.1
- 26 EXPANSION JOINT, REF. DETAIL 13-C4.1
- 31 TRASH ENCLOSURE, REF. SHEET AB.1

5 ENLARGED TRUCK DOCK PLAN
C3.1|C4.5 SCALE: 1\"/>

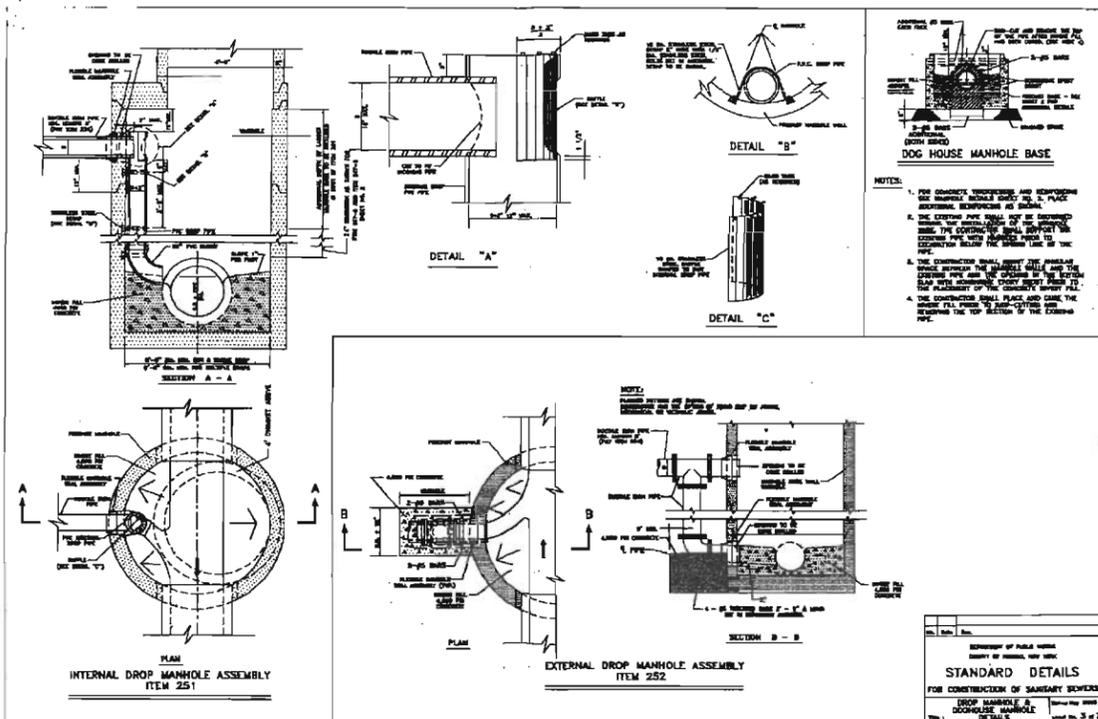
09 JAN 12 CONSTRUCTION ISSUE	
SYMBOL NO.	ACTION DATE DESCRIPTION OF REVISION
The Jenkins Group Rockwood/Veritas/Orion/Trumble 300 Park Boulevard, Suite 250 Itasca, Illinois 60143-3146	
DEFENSE COMMISSARY AGENCY DECA LOGISTICS AND ENGINEERING GROUP FORT LEE, VIRGINIA LACKLAND AFB, TEXAS	
DESIGNED BY: GPO	NEW COMMISSARY FACILITY SITE DETAILS NAVAL STATION NEW YORK, MITCHEL FIELD GARDEN CITY, NEW YORK
DRAWN BY: GRR	
REVIEWED BY: EJS	
SUBMITTED BY:	SOL. NO. DATE: 09 JAN 12
ENGINEER:	PROJECT NO. DECA-1001 SEQUENCE NO.
	DRAWING NUMBER SHEET NO. 16 OF 11 C4.5



NASSAU COUNTY DEPT. OF PUBLIC WORKS
STD. DETAILS FOR CONSTRUCTION OF SANITARY SEWERS
SHEET 2 OF 7



NASSAU COUNTY DEPT. OF PUBLIC WORKS
STD. DETAILS FOR CONSTRUCTION OF SANITARY SEWERS
SHEET 4 OF 7



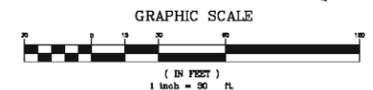
NASSAU COUNTY DEPT. OF PUBLIC WORKS
STD. DETAILS FOR CONSTRUCTION OF SANITARY SEWERS
SHEET 3 OF 7

NASSAU COUNTY DEPARTMENT OF PUBLIC WORKS
SANITARY SEWER NOTES

- The Contractor shall notify the Department of Public Works a minimum of (2) two working days prior to work involving any sanitary sewer facilities. Notification is to be made by calling (516) 571-6841.
- All work shall be in accordance with NCDPW Standard Specifications and Details for the Construction of Sanitary Sewers, latest edition 2003. All work must be performed in the presence of a Nassau County Inspector.
- All sanitary sewer house connections and laterals shall be located prior to any excavation by the Contractor.
- The Horizontal/Vertical separation of sewer and drainage pipe, and water mains/services shall meet or exceed the requirements outlined in the RECOMMENDED STANDARDS FOR SEWAGE WORKS (Ten State Standards), latest edition.
- Where sanitary or house connection sewers cross over a drainage trench area, the sewer shall be replaced with Ductile Iron extending a minimum of five (5) feet each side of the crossing to undisturbed soil. The same replacement shall apply for sewers under a drainage trench area within twelve (12) inches clearance, bottom of drain to top of sewer.
- All pipes, manholes and appurtenances shall have the County approval stamp thereon or written certification acceptable to the County before the material can be installed.
- The minimum/maximum height limits for brickwork for new manholes are (4) four inches and (16) sixteen inches, respectively. Adjustments to chimney height to meet the limits shall be by altering the precast manhole barrel. Additional requirements are:
 - Only concrete brick will be used for brickwork.
 - The manhole frame is to be set in Portland cement concrete. Brick mortar will not be permitted.
 - The manhole covers must be at Finished Street Grade. Warping or feathering of the pavement to meet improperly set manholes will not be permitted.
 - The manholes and covers must be clean and free from all road paving materials and debris prior to painting the castings.
- All connections to the manholes must be by a flexible rubber boot. If the boot is not cast in, or the manhole is existing, the connection must be by the Kor-n-Seal method.
- The Contractor shall comply with all OSHA requirements for entry into a confined space whenever it is necessary for a Contractor's employee to enter a Nassau County sanitary sewer manhole. The minimum requirements the Contractor must comply with are:
 - Contractor issued "Entry Permit"
 - Confined space entry monitor to test for toxic, explosive and oxygen deficient atmosphere.
 - Confined space rescue and retrieval equipment.

The Contractor will not be permitted to work in a Nassau County sanitary sewer manhole unless he complies with all applicable OSHA requirements.
- The Owner/Builder shall secure the services of a Professional Engineer licensed in the State of New York with experience in the field of sanitary sewer construction. That Engineer will be required to certify to the County of Nassau that the construction of the lines and structures has been inspected and installed in conformance with the Standards and Specifications of Nassau County. The Engineer shall furnish two (2) sets of certified as-built drawings.
- All sanitary sewer house connections shall be (6) six inch SDR 18 PVC at a minimum of 1% slope.
- All sanitary cleanouts, house connections, etc. shall meet Nassau County Department of Public Works Sanitary Sewer Standards. Cleanouts on 6" line shall be 75' O.C. maximum and at all bends greater than 23 degrees.

SYMBOL	D.O. NO.	ACTION	DATE	CONSTRUCTION ISSUE	DESCRIPTION OF REVISION
			08 JAN 12		
The Jenkins Group 300 Park Boulevard, Suite 230 Itasca, Illinois 60143-3146			DEFENSE COMMISSARY AGENCY DCSA LOGISTICS AND ENGINEERING GROUP FORT LEE, VIRGINIA LACKLAND AFB, TEXAS		
DESIGNED BY: GPO DRAWN BY: GRR REVIEWED BY: EJS			NEW COMMISSARY FACILITY SITE DETAILS		
SUBMITTED BY: PROJECT NO. DE08P01 DRAWING NUMBER			DATE: 08 JAN 12 SHEET NO. 17 OF 11 C4.6		



BENCH MARKS

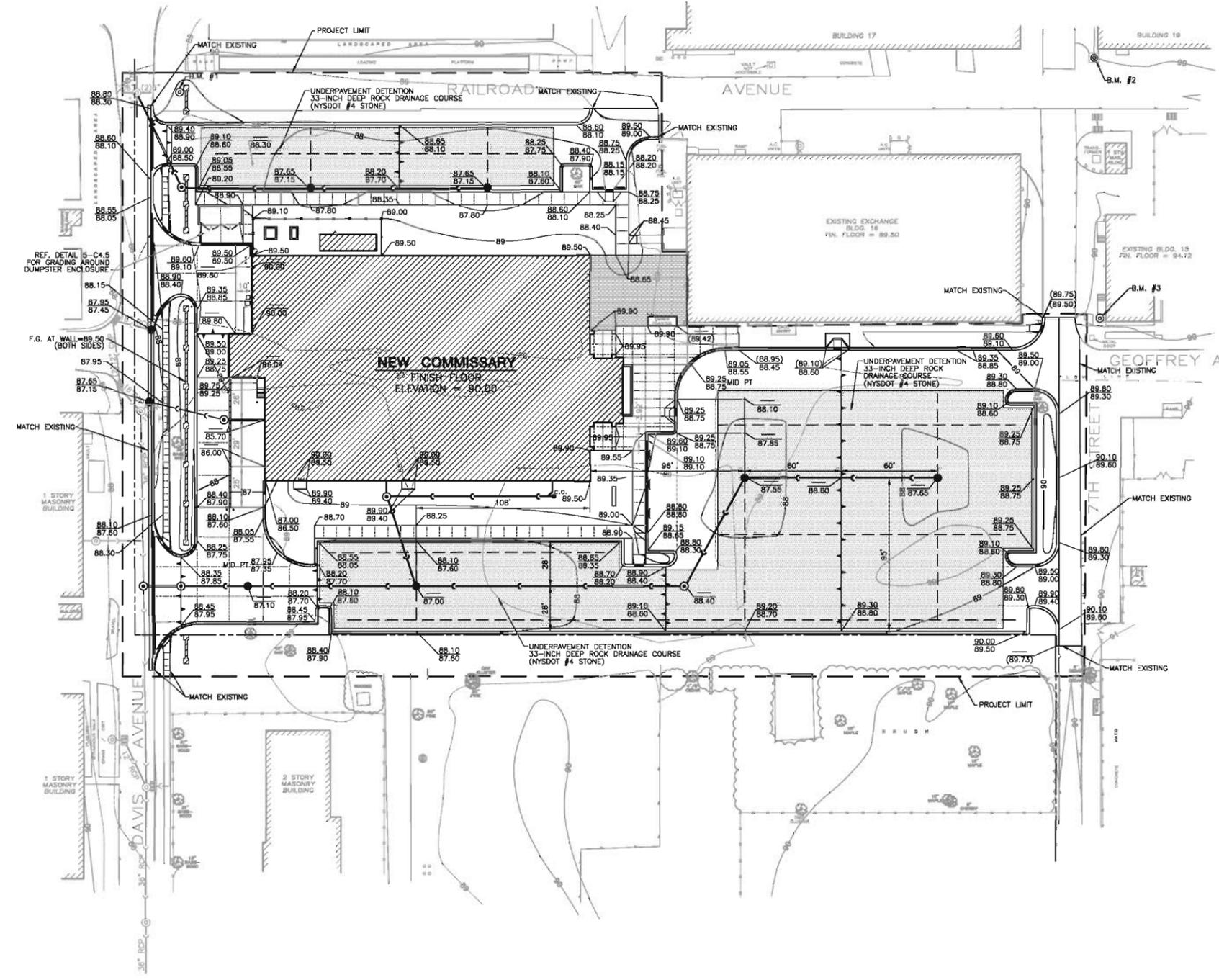
- BENCH MARK #1 - RIM OF EXISTING ELECTRICAL MANHOLE. ELEV. = 88.56.
- BENCH MARK #2 - RIM OF EXISTING WATER VALVE VAULT, IN CONCRETE SLAB, ADJACENT TO BUILDING #19. ELEV. = 90.14
- BENCH MARK #3 - RIM OF EXISTING STEAM MANHOLE. ELEV. = 90.26

PLAN NOTES

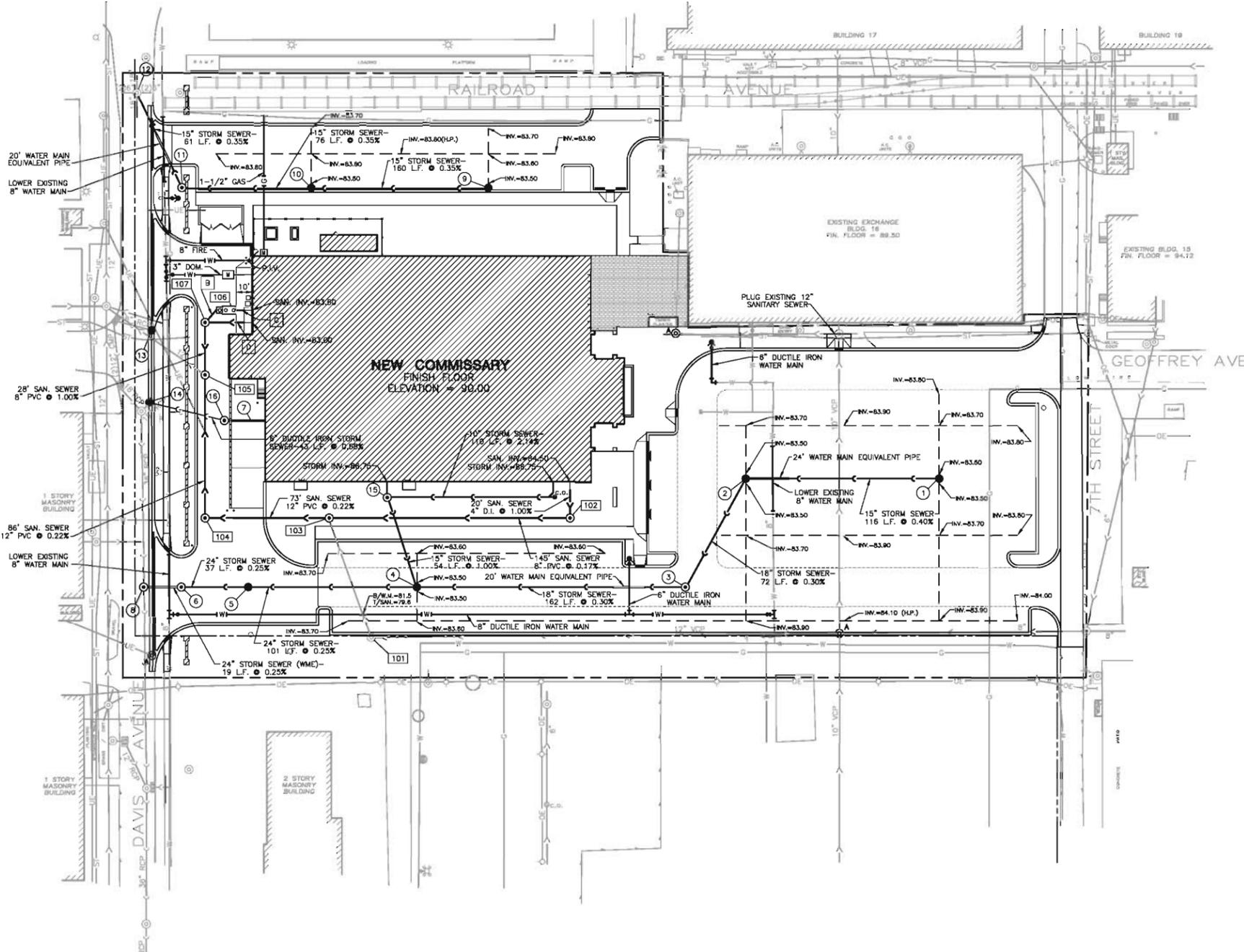
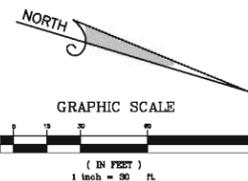
1. ALL ELEVATION ARE GIVEN IN NASSAU COUNTY DATUM.
2. THE CONTRACTOR IS TO CONFIRM THE BENCH MARKS PROVIDED PRIOR TO CONSTRUCTION AND REPORT ANY DISCREPANCIES TO THE CONTRACTING OFFICER.
3. IN AREAS WHERE BUILDINGS HAVE BEEN PREVIOUSLY DEMOLISHED, EXCAVATION AND FILLING SHALL BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEERING REPORT AND IN CONFORMANCE WITH THE DETAILS PROVIDED ON SHEET SO.3.

SYMBOL LEGEND

- EXISTING CATCH BASIN
- EXISTING MANHOLE
- EXISTING STORM SEWER
- EXISTING MINOR CONTOUR LINE
- EXISTING MAJOR CONTOUR LINE
- EXISTING DECIDUOUS TREES
- EXISTING CONIFER TREE
- NEW CATCH BASIN, REF. DETAIL 1-C4.2
- NEW MANHOLE, REF. DETAIL 2-C4.2
- NEW CLEAN-OUT, REF. SHEET C4.6
- NEW STORM SEWER
- NEW MINOR CONTOUR LINE
- NEW MAJOR CONTOUR LINE
- 54.70 NEW SPOT ELEVATION
- 53.80 NEW TOP OF CURB ELEVATION
- 53.30 NEW EDGE OF PAVEMENT ELEVATION
- NEW DRAINAGE DIVIDE
- (59.56) EXISTING ELEVATION
- TW TOP OF WALL
- 8" PERFORATED PVC UNDERDRAIN
- UNDERPAVEMENT DETENTION, REF. DETAIL 2-C4.1
- STAMPED CONCRETE DISPLAY AREA



09 JAN 12		CONSTRUCTION ISSUE	
SYL. D.O. NO.	ACTION	DATE	DESCRIPTION OF REVISION
The Jenkins Group Rockwood/Fairfax/Channahon/Maple 300 Park Boulevard, Suite 250 Tampa, Illinois 60143-3146		DEFENSE COMMISSARY AGENCY DECA LOGISTICS AND ENGINEERING GROUP FORT LEE, VIRGINIA LACKLAND AFB, TEXAS	
DESIGNED BY:	NEW COMMISSARY FACILITY SITE DRAINAGE AND GRADING PLAN NAVAL STATION NEW YORK, MITCHEL FIELD GARDEN CITY, NEW YORK		
DRAWN BY:			
REVIEWED BY:			
SUBMITTED BY:			
ENGINEER:	SOL. NO.	DATE:	09 JAN 12
	PROJECT NO.	1000MPC	SEQUENCE NO.
	DRAWING NUMBER	SHEET NO.	16 OF 11
			C5.1



KEYED NOTES

- B 9" SANITARY SEWER, 6" PVC @ 0.85%
- C 11" SANITARY SEWER, 8" PVC @ 0.95%
- D 27" SANITARY SEWER, 6" PVC @ 1.00%

DRAINAGE STRUCTURES

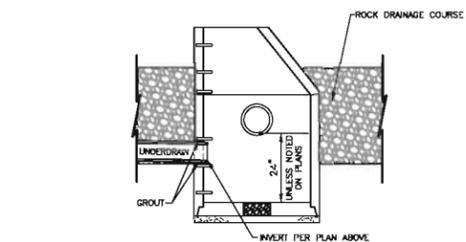
- 1 48" ROUND DRAINAGE STRUCTURE W/SUMP WITH FLAT SLAB TOP
RIM=87.85
INV.=84.65(15'S)
- 2 48" ROUND DRAINAGE STRUCTURE W/SUMP WITH FLAT SLAB TOP
RIM=87.55
INV.=84.19(15'N)
- 3 48" PRECAST MANHOLE FLAT SLAB TOP, CLOSED LID
RIM=88.40
INV.=83.97(18'W)
INV.=83.88(18'S)
- 4 60" ROUND DRAINAGE STRUCTURE W/SUMP WITH FLAT SLAB TOP
RIM=87.00
INV.=83.50(15'SW)
INV.=83.40(18'N)
INV.=83.40(24'S)
- 5 48" ROUND DRAINAGE STRUCTURE W/SUMP WITH FLAT SLAB TOP
RIM=87.10
INV.=83.15(24'N&S)
- 6 60" PRECAST MANHOLE WITH CLOSED LID AND RESTRICTOR PLATE
RIM=87.90
INV.=83.03(24'N&S)
- 7 20" TRENCH DRAIN WITH 6" SIDE OUTLET, REF. DETAIL 6-C4.2
RIM=85.70
INV.=84.70
- 8 60" PRECAST MANHOLE WITH FLAT SLAB TOP
RIM=87.75
INV.=83.00(24'N)
INV.=83.00(36'E&W)
- 9 48" ROUND DRAINAGE STRUCTURE W/SUMP WITH FLAT SLAB TOP
RIM=87.15
INV.=84.15(15'S)
- 10 48" ROUND DRAINAGE STRUCTURE W/SUMP WITH FLAT SLAB TOP
RIM=87.15
INV.=83.78(15'N&S)
- 11 60" PRECAST MANHOLE WITH CLOSED LID AND RESTRICTOR PLATE
RIM=89.00
INV.=83.51(15'N&SW)
- 12 EXISTING MANHOLE
RIM=88.15±
INV.=83.00(EXIST. 18'W)
INV.=83.30(NEW 15'NE)
- 13 48" ROUND DRAINAGE STRUCTURE W/SUMP WITH FLAT SLAB TOP
RIM=87.30
INV.=83.55(12'NW)
INV.=83.3(EXIST. 18'S)
- 14 48" ROUND DRAINAGE STRUCTURE W/SUMP WITH FLAT SLAB TOP
RIM=87.30
INV.=84.45(8'N)
INV.=84.3±(EXIST. 18'E&W)
- 15 48" PRECAST MANHOLE W/FLAT SLAB TOP AND CLOSED LID
RIM=89.20
INV.=84.24(10'N)
INV.=86.55(10'W)
INV.=84.14(15'NE)
- 16 48" PRECAST MANHOLE CLOSED LID
RIM=88.85
INV.=84.70(6'N&S)

SANITARY STRUCTURES

- 101 EXISTING MANHOLE EX. RIM=88.5
INV.=78.41(EXIST. N)
INV.=78.41(EXIST. SW)
- 102 4" DIA. MANHOLE
RIM=88.90
INV.=84.30(4'W)
INV.=82.80(8'S)
- 103 4" DIA. MANHOLE (BUILT OVER EX. LINE)
RIM=88.75
INV.=82.55(8'N AT TOP OF DROP)
INV.=78.55(8'N IN STRUCTURE AT DROP)
INV.=78.30(12'S)
INV.=78.3±(EXIST. 12'NE)
- 104 4" DIA. MANHOLE
RIM=87.50
INV.=78.14(12'N&W)
- 105 4" DIA. DROP MANHOLE (BUILT OVER EX. LINE)
RIM=89.20
INV.=77.95(12'E)
INV.=82.35(8'W AT TOP OF DROP)
INV.=78.30(8'N INV. OF DROP)
INV.=77.9±(EXIST. 12'SW)
- 106 1000 GALLON GREASE TRAP
RIM=89.85 (NORTH)
RIM=89.55 (SOUTH)
BOTTOM OF TRAP=79.15
INLET=83.40(6'N)
OUTLET=83.15(6'S)
- 107 4" DIA. MANHOLE
RIM=88.95
INV.=82.73(8'N)
INV.=83.07(6'W)
INV.=82.83(6'S)

SYMBOL LEGEND

- NEW CATCH BASIN, REF. DETAIL 1-C4.2
- ⊙ NEW MANHOLE, REF. DETAIL 2-C4.2 (STORM) AND SHEET C4.6 (SANITARY)
- c.o. NEW CLEAN-OUT, REF. SHEET C4.6
- NEW STORM SEWER
- NEW SANITARY SEWER
- WATER MAIN EQUIVALENT PIPE (WME), REF. DETAIL 7-C4.3
- P.I.V. POST INDICATOR VALVE, REF. DETAIL 3-C4.3
- ⊕ ADJUST EXISTING FRAME AND LID
- ⊞ WATER METER IN VAULT, REF. DETAIL 5-C4.2
- NEW FIRE HYDRANT WITH VALVE IN BOX, REF. DETAIL 1-C4.3
- 8" PERFORATED PVC UNDERDRAIN
- (H.P.) HIGH POINT



CONNECTION OF 8" PERFORATED PVC UNDERDRAIN INTO CATCH BASIN
1
C6.1 | C6.1
NOT TO SCALE

SYMBOL	NO.	ACTION	DATE	DESCRIPTION OF REVISION
			09 JAN 12	CONSTRUCTION ISSUE

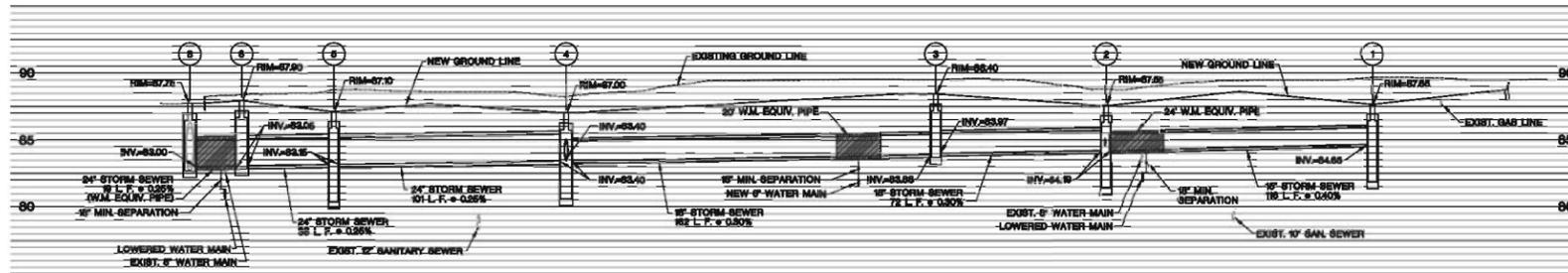
The Jenkins Group
300 Park Boulevard, Suite 250
Itasca, Illinois 60143-3146

DEFENSE COMMISSARY AGENCY
DECA LOGISTICS AND ENGINEERING GROUP
FORT LEE, VIRGINIA
LACKLAND AFB, TEXAS

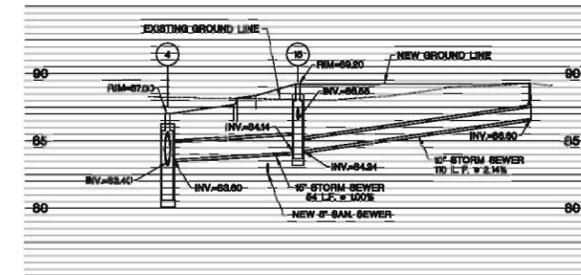
DESIGNED BY: GPO
DRAWN BY: GRR
REVIEWED BY: EJS
SUBMITTED BY:

NEW COMMISSARY FACILITY
SITE UTILITY PLAN
NAVAL STATION NEW YORK, MITCHEL FIELD
GARDEN CITY, NEW YORK

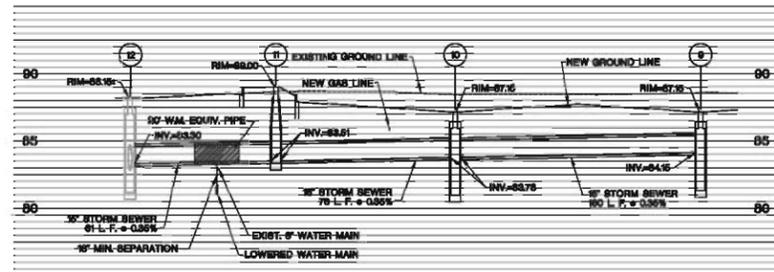
ENGINEER: _____
SOL. NO. _____ DATE: 09 JAN 12
PROJECT NO. DECA-001 SEQUENCE NO. _____
DRAWING NUMBER SHEET NO. **C6.1**
OF III



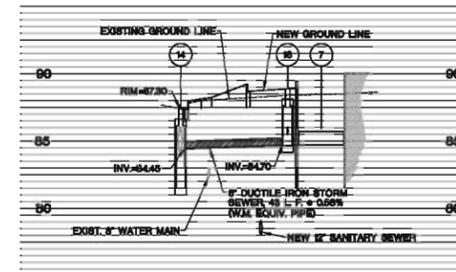
STORM SEWER PROFILE
SCALE: 1"=30' (HORIZONTAL)
1"=5' (VERTICAL)



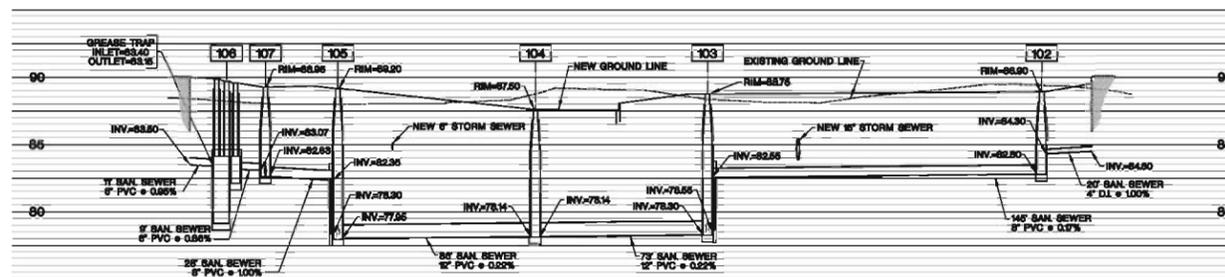
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SCALE: 1"=30' (HORIZONTAL)
1"=5' (VERTICAL)



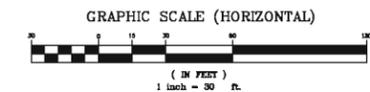
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SCALE: 1"=30' (HORIZONTAL)
1"=5' (VERTICAL)



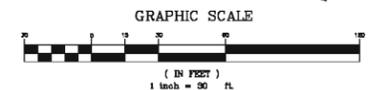
STORM SEWER PROFILE
SCALE: 1"=30' (HORIZONTAL)
1"=5' (VERTICAL)



SANITARY SEWER PROFILE
SCALE: 1"=30' (HORIZONTAL)
1"=5' (VERTICAL)



SYL. D.O. NO.	ACTION	DATE	DESCRIPTION OF REVISION
		09 JAN 12	CONSTRUCTION ISSUE
The Jenkins Group Rockwell/Carlisle/Cham/Smith 300 Park Boulevard, Suite 250 Itasca, Illinois 60143-3146		DEFENSE COMMISSARY AGENCY DECA LOGISTICS AND ENGINEERING GROUP FORT LEE, VIRGINIA LACKLAND AFB, TEXAS	
DESIGNED BY:	NEW COMMISSARY FACILITY SITE UTILITY PROFILES NAVAL STATION NEW YORK, MITCHEL FIELD GARDEN CITY, NEW YORK		
DRAWN BY:			
REVIEWED BY:			
SUBMITTED BY:			
ENGINEER:	SOL. NO.	DATE: 09 JAN 12	SEQUENCE NO.
	DRAWING NUMBER	SHEET NO. 20 OF 11	C62



NOTES

1. ALL DISTURBED AREAS SHALL BE SEEDED UNLESS OTHERWISE NOTED.
2. MULCH ALL PLANTING BEDS AS PER DETAIL ON SHEET L1.2.

PLANT LEGEND

SYM	COMMON NAME
SHADE TREES	
AC	Columnar Red Maple
AR	Red Sunset Red Maple
GT	Skyline Honeylocust
TC	Greenspire Linden
ORNAMENTAL TREES	
AA	Downey Serviceberry
JV	Eastern Red Cedar
TO	Pyramidal Arborvitae
SHRUBS	
CA	Summersweet
JH	Bar Harbor Juniper
LB	Spicebush
MP	Northern Bayberry
RA	Grow Low Sumac
RR	Knock out Rose
TM	Dense Yew
VD	Arrowwood Viburnum
PERENNIALS, ORNAMENTAL GRASSES AND GROUNDCOVERS	
EF	Purpleleaf wintercreeper
EP	Purple Coneflower
HR	Happy Returns Daylily
HS	Stella D'Oro Daylily
HO	Blue Oat Grass
SA	Autumn Joy Sedum

SYMBOL LEGEND

	LAWN SEED AREA
	LAWN SOD AREA
	EXISTING DECIDUOUS TREE WITH TRUNK DIAMETER
	LIMIT OF IRRIGATION

SYMBOL	NO.	DATE	DESCRIPTION OF REVISION
		09 JAN 12	CONSTRUCTION ISSUE

The Jenkins Group
 300 Park Boulevard, Suite 250
 Itasca, Illinois 60143-3146

DEFENSE COMMISSARY AGENCY
 DECA LOGISTICS AND ENGINEERING GROUP
 FORT LEE, VIRGINIA
 LACKLAND AFB, TEXAS

DESIGNED BY: **SPD**

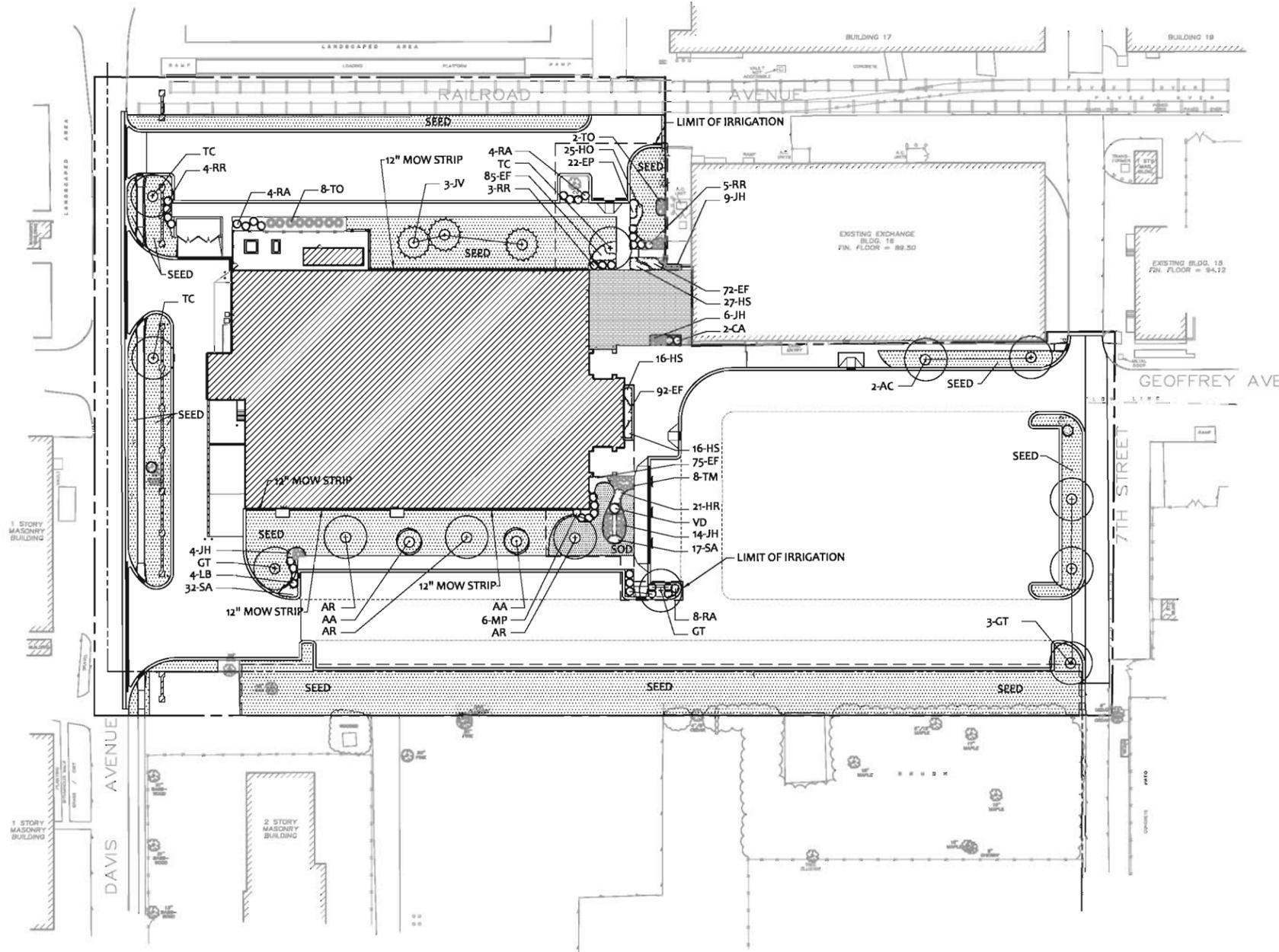
DRAWN BY: **GRR**

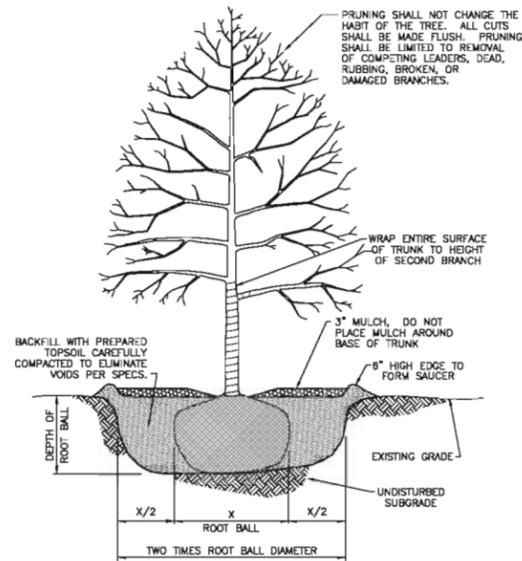
REVIEWED BY: **EJS**

NEW COMMISSARY FACILITY LANDSCAPE PLAN

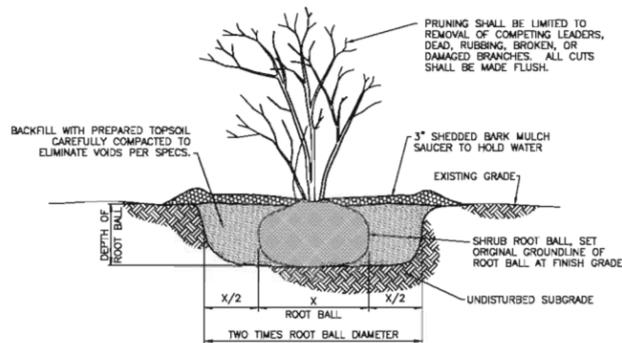
NAVAL STATION NEW YORK, MITCHEL FIELD
 GARDEN CITY, NEW YORK

SUBMITTED BY:	SOL. NO.	DATE:	09 JAN 12
ENGINEER:	PROJECT NO. DECA0001	SEQUENCE NO.	
	DRAWING NUMBER	SHEET NO.	L11
		22 OF 111	

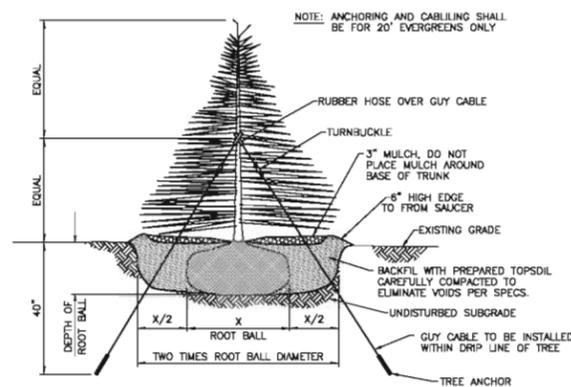




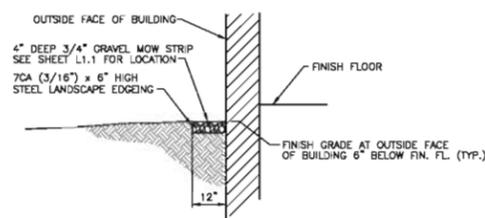
TREE PLANTING
NOT TO SCALE



SHRUB PLANTING
NOT TO SCALE



CONIFER PLANTING
NOT TO SCALE



TYPICAL SECTION AT WALL

MOW STRIP
NOT TO SCALE

PLANT MATERIAL LIST

SYM	QTY	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS
SHADE TREES					
AC	2	Acer rubrum 'Columnare'	Columnar Red Maple	2 1/2"	
AR	3	Acer rubrum 'Red Sunset'	Red Sunset Red Maple	2 1/2"	
GT	5	Gleditsia trifacanthos Inermis 'Skyline'	Skyline Honeylocust	2 1/2"	Spring Dig
TC	3	Tilia cordata 'Greenspire'	Greenspire Linden	2 1/2"	Spring Dig
ORNAMENTAL TREES					
AA	2	Amelanchier arborea	Downey Serviceberry	6'	Spring Dig
CONIFER TREES					
JV	3	Juniperus virginiana	Eastern Red Cedar	6'	
TO	9	Thuja occidentalis 'Pyramidalis'	Pyramidal Arborvitae	6'	
SHRUBS					
CA	2	Clethra alnifolia	Summersweet	30"	
JH	33	Juniperus horizontalis 'Bar Harbor'	Bar Harbor Juniper	3 Gal.	
LB	4	Lindera benzoin	Spicebush	30"	
MP	6	Myrica pensylvanica	Northern Bayberry	30"	
RA	16	Rhus aromatica 'Gro Low'	Grow Low Sumac	18"	
RR	12	Rosa x Radrazz	Knock out Rose	3 Gal.	
TM	8	Taxus media 'Densiformis'	Dense Yew	18"	
VD	1	Viburnum dentatum	Arrowwood Viburnum	30"	
PERENNIALS, ORNAMENTAL GRASSES AND GROUNDCOVERS					
EF	327	Euonymus fortunei 'Coloratus'	Purpleleaf wintercreeper	4" pots	12" O.C.
EP	22	Echinacea purpurea 'Magmus'	Purple Coneflower	1 Gal.	18" O.C.
HR	21	Hemerocallis 'Happy Returns'	Happy Returns Daylily	1 Gal.	18" O.C.
HS	59	Hemerocallis x 'Stella D'Oro'	Stella D'Oro Daylily	1 Gal.	18" O.C.
HO	25	Helicontrichon sempervirons	Blue Oat Grass	1 Gal.	18" O.C.
SA	49	Sedum 'Autumn Joy'	Autumn Joy Sedum	1 Gal.	18" O.C.

TURF AND MISCELLANEOUS MATERIALS

SOD: 130 S.y. as indicated on plan.
LAWN SEED: Approx. .85 Acres Low Maintenance Lawn Mixture on all disturbed areas as indicated.
SHREDDED HARDWOOD MULCH: 20 C.Y., all planting beds and tree rings to a depth of 2".

NOTE: Quantities indicated in the table above are approximate. See Sheet L1.1 for exact quantities.

09 JAN 12		CONSTRUCTION ISSUE	
SYM.	D.O. NO.	ACTION	DATE
The Jenkins Group 300 Park Boulevard, Suite 230 Itasca, Illinois 60143-3146		DEFENSE COMMISSARY AGENCY DeCA LOGISTICS AND ENGINEERING GROUP FORT LEE, VIRGINIA LACKLAND AFB, TEXAS	
DESIGNED BY:	<p align="center">NEW COMMISSARY FACILITY</p> <p align="center">LANDSCAPE DETAILS</p> <p align="center">NAVAL STATION NEW YORK, MITCHEL FIELD GARDEN CITY, NEW YORK</p>		
DRAWN BY:			
REVIEWED BY:			
ENGINEER:			
SUBMITTED BY:	SOL. NO.	DATE:	09 JAN 12
PROJECT NO.	DECA-1001	SEQUENCE NO.	
DRAWING NUMBER		SHEET NO.	25 OF 111
			L12

APPENDIX C: COPY OF CONSTRUCTION GENERAL PERMIT



NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SPDES GENERAL PERMIT
FOR STORMWATER DISCHARGES

from

CONSTRUCTION ACTIVITY

Permit No. GP-0-10-001

Issued Pursuant to Article 17, Titles 7. 8 and Article 70
of the Environmental Conservation Law

Effective Date: January 29, 2010

Expiration Date: January 28, 2015

William R. Adriance
Chief Permit Administrator

William R. Adriance
Authorized Signature

January 28, 2010
Date

Address: NYS DEC
Div. Environmental Permits
625 Broadway, 4th Floor
Albany, N.Y. 12233-1750

PREFACE

Pursuant to Section 402 of the Clean Water Act (“CWA”), stormwater *discharges* from certain *construction activities* are unlawful unless they are authorized by a *National Pollutant Discharge Elimination System (“NPDES”)* permit or by a state permit program. New York’s *State Pollutant Discharge Elimination System (“SPDES”)* is a NPDES-approved program with permits issued in accordance with the *Environmental Conservation Law (“ECL”)*.

This general permit (“permit”) is issued pursuant to Article 17, Titles 7, 8 and Article 70 of the ECL. An *owner or operator* may obtain coverage under this permit by submitting a Notice of Intent (“NOI”) to the Department. Copies of this permit and the NOI for New York are available by calling (518) 402-8109 or at any New York State Department of Environmental Conservation (“the Department”) regional office (see Appendix G). They are also available on the Department’s website at:

<http://www.dec.ny.gov/>

An *owner or operator* of a *construction activity* that is eligible for coverage under this permit must obtain coverage prior to the *commencement of construction activity*. Activities that fit the definition of “*construction activity*”, as defined under 40 CFR 122.26(b)(14)(x), (15)(i), and (15)(ii), constitute construction of a point source and therefore, pursuant to Article 17-0505 of the ECL, the *owner or operator* must have coverage under a SPDES permit prior to *commencing construction activity*. They cannot wait until there is an actual *discharge* from the construction site to obtain permit coverage.

***Note: The italicized words/phrases within this permit are defined in Appendix A.**

**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
SPDES GENERAL PERMIT FOR STORMWATER DISCHARGES**

FROM CONSTRUCTION ACTIVITIES

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Part I. PERMIT COVERAGE AND LIMITATIONS

A. Permit Application - This permit authorizes stormwater *discharges* to *surface waters of the State* from the following *construction activities* identified within 40 CFR Parts 122.26(b)(14)(x), 122.26(b)(15)(i) and 122.26(b)(15)(ii), provided all of the eligibility provisions of this permit are met:

1. *Construction activities* involving soil disturbances of one (1) or more acres; including disturbances of less than one acre that are part of a *larger common plan of development or sale* that will ultimately disturb one or more acres of land; excluding *routine maintenance activity* that is performed to maintain the original line and grade, hydraulic capacity or original purpose of a facility;
2. *Construction activities* involving soil disturbances of less than one (1) acre where the Department has determined that a *SPDES* permit is required for stormwater *discharges* based on the potential for contribution to a violation of a *water quality standard* or for significant contribution of *pollutants* to *surface waters of the State*.
3. *Construction activities* located in the watershed(s) identified in Appendix D that involve soil disturbances between five thousand (5000) square feet and one (1) acre of land.

B. Maintaining Water Quality - It shall be a violation of this permit and the *ECL* for any *discharge* to either cause or contribute to a violation of *water quality standards* as contained in Parts 700 through 705 of Title 6 of the Official Compilation of Codes, Rules and Regulations of the State of New York, such as:

1. There shall be no increase in turbidity that will cause a substantial visible contrast to natural conditions;
2. There shall be no increase in suspended, colloidal or settleable solids that will cause deposition or impair the waters for their best usages; and
3. There shall be no residue from oil and floating substances, nor visible oil film, nor globules of grease.

C. Eligibility Under This General Permit

1. This permit may authorize all *discharges* of stormwater from *construction activity* to *surface waters of the State* and *groundwaters* except for ineligible *discharges* identified under subparagraph D. of this Part.
2. Except for non-stormwater *discharges* explicitly listed in the next paragraph, this permit only authorizes stormwater discharges from *construction activities*.

(Part I. C)

3. Notwithstanding paragraphs C.1 and C.2 above, the following non-stormwater *discharges* may be authorized by this permit: discharges from fire fighting activities; fire hydrant flushings; waters to which cleansers or other components have not been added that are used to wash vehicles or control dust in accordance with the SWPPP, routine external building washdown which does not use detergents; pavement washwaters where spills or leaks of toxic or hazardous materials have not occurred (unless all spilled material has been removed) and where detergents are not used; air conditioning condensate; uncontaminated groundwater or spring water; uncontaminated discharges from construction site de-watering operations; and foundation or footing drains where flows are not contaminated with process materials such as solvents. For those entities required to obtain coverage under this permit, and who discharge as noted in this paragraph, and with the exception of flows from fire fighting activities, these discharges must be identified in the SWPPP. Under all circumstances, the *owner or operator* must still comply with water quality standards in Part I.B.

D. Activities Which Are Ineligible for Coverage Under This General Permit - All of the following are **not** authorized by this permit:

1. *Discharges* after *construction activities* have been completed and the site has undergone *final stabilization*;
2. *Discharges* that are mixed with sources of non-stormwater other than those expressly authorized under subsection C.3. of this Part and identified in the SWPPP required by this permit;
3. *Discharges* that are required to obtain an individual SPDES permit or another SPDES general permit pursuant to Part VII, subparagraph K of this permit;
4. *Discharges* from *construction activities* that adversely affect a listed, or proposed to be listed, endangered or threatened species, or its critical habitat;
5. *Discharges* which either cause or contribute to a violation of *water quality standards* adopted pursuant to the *ECL* and its accompanying regulations;
6. *Construction activities* for residential, commercial and institutional projects that:
 - a. are tributary to waters of the state classified as AA or AA-s; and

(Part I. D. 6)

- b. disturb one or more acres of land with no existing impervious cover and where the Soil Slope Phase is identified as an E or F on the USDA Soil Survey for the County in which the disturbance will occur.
7. *Construction activities* for linear transportation projects and linear utility projects that:
 - a. are tributary to waters of the state classified as AA or AA-s; and
 - b. disturb two or more acres of land with no existing impervious cover and where the Soil Slope Phase is identified as an E or F on the USDA Soil Survey for the County in which the disturbance will occur.
8. *Construction activities* that adversely affect a property that is listed or is eligible for listing on the State or National Register of Historic Places (Note: includes Archeological sites), unless there are written agreements in place with the NYS Office of Parks, Recreation and Historic Preservation (OPRHP) or other governmental agencies to mitigate the effects, or there are local land use approvals evidencing the same.

Part II. OBTAINING PERMIT COVERAGE

A. Notice of Intent (NOI) Submittal

1. An *owner or operator* of a *construction activity* that is not subject to the requirements of a *regulated, traditional land use control MS4* must first develop a SWPPP in accordance with all applicable requirements of this permit and then submit a completed NOI form to the address below in order to be authorized to *discharge* under this permit. The NOI form shall be one which is associated with this permit, signed in accordance with Part VII.H. of this permit.

**NOTICE OF INTENT
NYS DEC, Bureau of Water Permits
625 Broadway, 4th Floor
Albany, New York 12233-3505**

2. An *owner or operator* of a *construction activity* that is subject to the requirements of a *regulated, traditional land use control MS4* must first develop a SWPPP in accordance with all applicable requirements of this permit and then have its SWPPP reviewed and accepted by the *MS4* prior to submitting the NOI to the Department. The *owner or operator* shall have the “MS4 SWPPP Acceptance” form signed by the principal executive officer or ranking elected official from the *regulated, traditional land use control MS4*, or by a duly authorized representative of that person, and then submit that form along with the NOI to the address referenced under “Notice of Intent (NOI) Submittal”.

(Part II. A.2)

This requirement does not apply to an *owner or operator* that is obtaining permit coverage in accordance with the requirements in Part II.E. (Change of Owner or Operator).

3. The *owner or operator* shall have the SWPPP preparer sign the “SWPPP Preparer Certification” statement on the NOI prior to submitting the form to the Department.
4. As of the date the NOI is submitted to the Department, the *owner or operator* shall make the NOI and SWPPP available for review and copying in accordance with the requirements in Part VII.F. of this permit.

B. Permit Authorization

1. An *owner or operator* shall not *commence construction activity* until their authorization to *discharge* under this permit goes into effect.
2. Authorization to *discharge* under this permit will be effective when the *owner or operator* has satisfied all of the following criteria:
 - a. project review pursuant to the State Environmental Quality Review Act (SEQRA) have been satisfied, when SEQRA is applicable,
 - b. where required, all necessary Department permits subject to the *Uniform Procedures Act (UPA)* (see 6 NYCRR Part 621) have been obtained, unless otherwise notified by the Department pursuant to 6 NYCRR 621.3(a)(4). *Owners or operators of construction activities* that are required to obtain *UPA* permits must submit a preliminary SWPPP to the appropriate DEC Regional Office in Appendix F at the time all other necessary *UPA* permit applications are submitted. The preliminary SWPPP must include sufficient information to demonstrate that the *construction activity* qualifies for authorization under this permit,
 - c. the final SWPPP has been prepared, and
 - d. an NOI has been submitted to the Department in accordance with the requirements of this permit.
3. An *owner or operator* that has satisfied the requirements of Part II.B.2 above will be authorized to *discharge* stormwater from their *construction activity* in accordance with the following schedule:

(Part II. B. 3)

- a. For *construction activities* that are not subject to the requirements of a *regulated, traditional land use control MS4*:
 - i. Five (5) business days from the date the Department receives a complete NOI for *construction activities* with a SWPPP that has been prepared in conformance with the technical standards referenced in Parts III.B.1, 2 and/or 3, or
 - ii. Sixty (60) business days from the date the Department receives a complete NOI for *construction activities* with a SWPPP that has not been prepared in conformance with the technical standards referenced in Parts III.B.1, 2 or 3.
- b. For *construction activities* that are subject to the requirements of a *regulated, traditional land use control MS4*:
 - i. Five (5) business days from the date the Department receives a complete NOI and signed “MS4 SWPPP Acceptance” form,
4. The Department may suspend or deny an *owner’s or operator’s* coverage under this permit if the Department determines that the SWPPP does not meet the permit requirements.
5. Coverage under this permit authorizes stormwater *discharges* from only those areas of disturbance that are identified in the NOI. If an *owner or operator* wishes to have stormwater *discharges* from future or additional areas of disturbance authorized, they must submit a new NOI that addresses that phase of the development, unless otherwise notified by the Department.

C. General Requirements For Owners or Operators With Permit Coverage

1. The *owner or operator* shall ensure that the provisions of the SWPPP are implemented from the *commencement of construction activity* until all areas of disturbance have achieved *final stabilization* and the Notice of Termination (NOT) has been submitted to the Department in accordance with Part V. of this permit. This includes any changes made to the SWPPP pursuant to Part III.A.4.
2. The *owner or operator* shall maintain a copy of the General Permit (GP-0-10-001), NOI, *NOI Acknowledgment Letter*, SWPPP, MS4 SWPPP Acceptance form and inspection reports at the construction site until all disturbed areas have achieved *final stabilization* and the NOT has been submitted to the Department.

(Part II. C. 2)

The documents must be maintained in a secure location, such as a job trailer, on-site construction office, or mailbox with lock. The secure location must be accessible during normal business hours to an individual performing a compliance inspection.

3. The *owner or operator* of a *construction activity* shall not disturb greater than five (5) acres of soil at any one time without prior written authorization from the Department or, in areas under the jurisdiction of a *regulated, traditional land use control MS4*, the MS4 (provided the MS4 is not the *owner or operator* of the construction activity). At a minimum, the *owner or operator* must comply with the following requirements in order to be authorized to disturb greater than five (5) acres of soil at any one time:
 - a. The *owner or operator* shall have a *qualified inspector* conduct **at least** two (2) site inspections in accordance with Part IV.C. every seven (7) calendar days, for as long as greater than five (5) acres of soil remain disturbed. The two (2) inspections shall be separated by a minimum of two (2) full calendar days.
 - b. In areas where soil disturbance activity has been temporarily or permanently ceased, temporary and/or permanent soil stabilization measures shall be installed and/or implemented within seven (7) days from the date the soil disturbance activity ceased. The soil stabilization measures selected shall be in conformance with the most current version of the technical standard, New York State Standards and Specifications for Erosion and Sediment Control.
 - c. The *owner or operator* shall prepare a phasing plan that defines maximum disturbed area per phase and shows required cuts and fills.
 - d. The *owner or operator* shall install any additional site specific practices needed to protect water quality.
 - e. The *owner or operator* shall include the requirements above in their SWPPP.
4. The Department may suspend or revoke an *owner's or operator's* coverage under this permit at any time if the Department determines that the SWPPP does not meet the permit requirements.

(Part II. C)

5. For *construction activities* that are subject to the requirements of a *regulated, traditional land use control MS4*, the *owner or operator* shall notify the *MS4* in writing of any planned amendments or modifications to the post-construction stormwater management practice component of the SWPPP required by Part III.A. 4. and 5. of this permit. Unless otherwise notified by the *MS4*, the *owner or operator* shall have the SWPPP amendments or modifications reviewed and accepted by the *MS4* prior to commencing construction of the post-construction stormwater management practice.

D. Permit Coverage for Discharges Authorized Under GP-0-08-001

1. Upon renewal of SPDES General Permit for Stormwater Discharges from Construction Activity (Permit No. GP-0-08-001), an *owner or operator* of *construction activity* with coverage under GP-0-08-001, as of the effective date of GP-0-10-001, shall be authorized to *discharge* in accordance with GP-0-10-001 unless otherwise notified by the Department.

E. Change of Owner or Operator

1. When property ownership changes or when there is a change in operational control over the construction plans and specifications, the original *owner or operator* must notify the new *owner or operator*, in writing, of the requirement to obtain permit coverage by submitting a NOI with the Department. Once the new *owner or operator* obtains permit coverage, the original *owner or operator* shall then submit a completed NOT with the name and permit identification number of the new *owner or operator* to the Department at the address in Part II.A.1.. If the original *owner or operator* maintains ownership of a portion of the *construction activity* and will disturb soil, they must maintain their coverage under the permit.

Permit coverage for the new *owner or operator* will be effective as of the date the Department receives a complete NOI, provided the original *owner or operator* was not subject to a sixty (60) business day authorization period that has not expired as of the date the Department receives the NOI from the new *owner or operator*.

Part III. STORMWATER POLLUTION PREVENTION PLAN (SWPPP)

A. General SWPPP Requirements

1. The SWPPP shall be prepared prior to the submittal of the NOI. The NOI shall be submitted to the Department prior to the *commencement of construction activity*.

(Part III. A)

2. The SWPPP shall describe the erosion and sediment control practices and where required, post-construction stormwater management practices that will be used and/or constructed to reduce the pollutants in stormwater discharges and to assure compliance with the terms and conditions of this permit. In addition, the SWPPP shall identify potential sources of pollution which may reasonably be expected to affect the quality of stormwater *discharges*.
3. All SWPPPs that require the post-construction stormwater management practice component shall be prepared by a *qualified professional* that is knowledgeable in the principles and practices of stormwater management and treatment.
4. The *owner or operator* must keep the SWPPP current so that it at all times accurately documents the erosion and sediment controls practices that are being used or will be used during construction, and all post-construction stormwater management practices that will be constructed on the site. At a minimum, the *owner or operator* shall amend the SWPPP:
 - a. whenever the current provisions prove to be ineffective in minimizing pollutants in stormwater *discharges* from the site;
 - b. whenever there is a change in design, construction, or operation at the construction site that has or could have an effect on the discharge of pollutants; and
 - c. to address issues or deficiencies identified during an inspection by the *qualified inspector*, the Department or other regulatory authority.
5. The Department may notify the *owner or operator* at any time that the SWPPP does not meet one or more of the minimum requirements of this permit. The notification shall be in writing and identify the provisions of the SWPPP that require modification. Within fourteen (14) calendar days of such notification, or as otherwise indicated by the Department, the *owner or operator* shall make the required changes to the SWPPP and submit written notification to the Department that the changes have been made. If the *owner or operator* does not respond to the Department's comments in the specified time frame, the Department may suspend the *owner's or operator's* coverage under this permit.
6. Prior to the *commencement of construction activity*, the *owner or operator* must identify the contractor(s) and subcontractor(s) that will be responsible for installing, constructing, repairing, replacing, inspecting and maintaining the erosion and sediment control practices included in the SWPPP; and the contractor(s) and subcontractor(s) that will be responsible for constructing the post-construction stormwater management practices included in the SWPPP.

(Part III. A. 6)

The *owner or operator* shall have each of the contractors and subcontractors identify at least one person from their company that will be responsible for implementation of the SWPPP. This person shall be known as the *trained contractor*. The *owner or operator* shall ensure that at least one *trained contractor* is on site on a daily basis when soil disturbance activities are being performed.

The *owner or operator* shall have each of the contractors and subcontractors identified above sign a copy of the following certification statement below before they commence any *construction activity*:

"I hereby certify that I understand and agree to comply with the terms and conditions of the SWPPP and agree to implement any corrective actions identified by the *qualified inspector* during a site inspection. I also understand that the *owner or operator* must comply with the terms and conditions of the most current version of the New York State Pollutant Discharge Elimination System ("SPDES") general permit for stormwater discharges from construction activities and that it is unlawful for any person to cause or contribute to a violation of water quality standards. Furthermore, I understand that certifying false, incorrect or inaccurate information is a violation of the referenced permit and the laws of the State of New York and could subject me to criminal, civil and/or administrative proceedings. "

In addition to providing the certification statement above, the certification page must also identify the specific elements of the SWPPP that each contractor and subcontractor will be responsible for and include the name and title of the person providing the signature; the name and title of the *trained contractor* responsible for SWPPP implementation; the name, address and telephone number of the contracting firm; the address (or other identifying description) of the site; and the date the certification statement is signed. The *owner or operator* shall attach the certification statement(s) to the copy of the SWPPP that is maintained at the construction site. If new or additional contractors are hired to implement measures identified in the SWPPP after construction has commenced, they must also sign the certification statement and provide the information listed above.

7. For projects where the Department requests a copy of the SWPPP or inspection reports, the *owner or operator* shall submit the documents in both electronic (PDF only) and paper format within five (5) business days, unless otherwise notified by the Department.
8. The SWPPP must include documentation supporting the determination of permit eligibility with regard to Part I.D.8. (Historic Places or Archeological Resource). At a minimum, the supporting documentation shall include the following:

(Part III. A. 8)

- a. Information on whether the stormwater discharge or *construction activities* would have an effect on a property (historic or archeological resource) that is listed or eligible for listing on the State or National Register of Historic Places;
- b. Results of historic resources screening determinations conducted. Information regarding the location of historic places listed, or eligible for listing, on the State or National Registers of Historic Places and and areas of archeological sensitivity that may indicate the need for a survey can be obtained online by viewing the New York State Office of Parks, Recreation and Historic Places (OPRHP) online resources located on their web site at: <http://nysparks.state.ny.us/shpo/online-tools/> (using The Geographic Information System for Archeology and National Register). OPRHP can also be contacted at: NYS OPRHP, State Historic Preservation Office, Peebles Island Resources Center, P.O. Box 189, Waterford, NY 12188-0189, phone: 518-237-8643;
- c. A description of measures necessary to avoid or minimize adverse impacts on places listed, or eligible for listing, on the State or National Register of Historic Places. If the *owner or operator* fails to describe and implement such measures, the stormwater *discharge* is ineligible for coverage under this permit; and
- d. Where adverse effects may occur, any written agreements in place with OPRHP or other governmental agency to mitigate those effects, or local land use approvals evidencing the same.

B. Required SWPPP Contents

1. Erosion and sediment control component - All SWPPPs prepared pursuant to this permit shall include erosion and sediment control practices designed in conformance with the most current version of the technical standard, New York State Standards and Specifications for Erosion and Sediment Control. Where erosion and sediment control practices are not designed in conformance with this technical standard, the *owner or operator* must demonstrate equivalence to the technical standard. At a minimum, the erosion and sediment control component of the SWPPP shall include the following:
 - a. Background information about the scope of the project, including the location, type and size of project;

(Part III. B. 1)

- b. A site map/construction drawing(s) for the project, including a general location map. At a minimum, the site map shall show the total site area; all improvements; areas of disturbance; areas that will not be disturbed; existing vegetation; on-site and adjacent off-site surface water(s), wetlands and drainage patterns that could be affected by the construction activity; existing and final slopes; locations of different soil types with boundaries; material, waste, borrow or equipment storage areas located on adjacent properties; and location(s) of the stormwater discharge(s);
- c. A description of the soil(s) present at the site, including an identification of the Hydrologic Soil Group (HSG);
- d. A construction phasing plan and sequence of operations describing the intended order of construction activities, including clearing and grubbing, excavation and grading, utility and infrastructure installation and any other activity at the site that results in soil disturbance;
- e. A description of the minimum erosion and sediment control practices to be installed or implemented for each construction activity that will result in soil disturbance. Include a schedule that identifies the timing of initial placement or implementation of each erosion and sediment control practice and the minimum time frames that each practice should remain in place or be implemented;
- f. A temporary and permanent soil stabilization plan that meets the requirements of the most current version of the technical standard, New York State Standards and Specifications for Erosion and Sediment Control, for each stage of the project, including initial land clearing and grubbing to project completion and achievement of final stabilization;
- g. A site map/construction drawing(s) showing the specific location(s), size(s), and length(s) of each erosion and sediment control practice;
- h. The dimensions, material specifications, installation details, and operation and maintenance requirements for all erosion and sediment control practices. Include the location and sizing of any temporary sediment basins and structural practices that will be used to divert flows from exposed soils;

(Part III. B. 1)

- i. A maintenance inspection schedule for the contractor(s) identified in Part III.A.6., to ensure continuous and effective operation of the erosion and sediment control practices. The maintenance inspection schedule shall be in accordance with the requirements in the most current version of the technical standard, New York State Standards and Specifications for Erosion and Sediment Control;
 - j. A description of the pollution prevention measures that will be used to control litter, construction chemicals and construction debris from becoming a pollutant source in the stormwater *discharges*;
 - k. A description and location of any stormwater *discharges* associated with industrial activity other than construction at the site, including, but not limited to, stormwater *discharges* from asphalt plants and concrete plants located on the construction site; and
 - l. Identification of any elements of the design that are not in conformance with the requirements in the most current version of the technical standard, New York State Standards and Specifications for Erosion and Sediment Control. Include the reason for the deviation or alternative design and provide information which demonstrates that the deviation or alternative design is equivalent to the technical standards.
2. Post-construction stormwater management practice component - All construction projects identified in Table 2 of Appendix B as needing post-construction stormwater management practices shall prepare a SWPPP that includes practices designed in conformance with the most current version of the technical standard, New York State Stormwater Management Design Manual (“Design Manual”). If the Design Manual is revised during the term of this permit, an *owner or operator* must begin using the revised version of the Design Manual to prepare their SWPPP six (6) months from the final revision date of the Design Manual.

Where post-construction stormwater management practices are not designed in conformance with this technical standard, the *owner or operator* must demonstrate equivalence to the technical standard.

At a minimum, the post-construction stormwater management practice component of the SWPPP shall include the following:

- a. Identification of all post-construction stormwater management practices to be constructed as part of the project;

(Part III. B. 2)

- b. A site map/construction drawing(s) showing the specific location and size of each post-construction stormwater management practice;
 - c. The dimensions, material specifications and installation details for each post-construction stormwater management practice;
 - d. Identification of any elements of the design that are not in conformance with the Design Manual. Include the reason for the deviation or alternative design and provide information which demonstrates that the deviation or alternative design is equivalent to the technical standards;
 - e. A hydrologic and hydraulic analysis for all structural components of the stormwater management control system;
 - f. A detailed summary (including calculations) of the sizing criteria that was used to design all post-construction stormwater management practices. At a minimum, the summary shall address the required design criteria from the applicable chapter of the Design Manual; including the identification of and justification for any deviations from the Design Manual, and identification of any design criteria that are not required based on the design criteria or waiver criteria included in the Design Manual; and
 - g. An operations and maintenance plan that includes inspection and maintenance schedules and actions to ensure continuous and effective operation of each post-construction stormwater management practice. The plan shall identify the entity that will be responsible for the long term operation and maintenance of each practice.
3. Enhanced Phosphorus Removal Standards - All construction projects identified in Table 2 of Appendix B that are located in the watersheds identified in Appendix C shall prepare a SWPPP that includes post-construction stormwater management practices designed in conformance with the Enhanced Phosphorus Removal Standards included in the Design Manual. At a minimum, the post-construction stormwater management practice component of the SWPPP shall include items 2.a - 2.g. above.

(Part III. C)

C. Required SWPPP Components by Project Type - Unless otherwise notified by the Department, *owners or operators* of *construction activities* identified in Table 1 of Appendix B are required to prepare a SWPPP that only includes erosion and sediment control practices designed in conformance with Part III.B.1. *Owners or operators* of the *construction activities* identified in Table 2 of Appendix B shall prepare a SWPPP that also includes post-construction stormwater management practices designed in conformance with Part III.B.2 or 3.

Part IV. INSPECTION AND MAINTENANCE REQUIREMENTS

A. General Construction Site Inspection and Maintenance Requirements

1. The *owner or operator* must ensure that all erosion and sediment control practices and all post-construction stormwater management practices identified in the SWPPP are maintained in effective operating condition at all times.
2. The terms of this permit shall not be construed to prohibit the State of New York from exercising any authority pursuant to the ECL, common law or federal law, or prohibit New York State from taking any measures, whether civil or criminal, to prevent violations of the laws of the State of New York, or protect the public health and safety and/or the environment.

B. Owner or Operator Maintenance Inspection Requirements

1. The *owner or operator* shall inspect, in accordance with the requirements in the most current version of the technical standard, New York State Standards and Specifications for Erosion and Sediment Control, the erosion and sediment controls identified in the SWPPP to ensure that they are being maintained in effective operating condition at all times.
2. For construction sites where soil disturbance activities have been temporarily suspended (e.g. winter shutdown) and temporary stabilization measures have been applied to all disturbed areas, the *owner or operator* can stop conducting the maintenance inspections. The *owner or operator* shall begin conducting the maintenance inspections in accordance with Part IV.B.1. as soon as soil disturbance activities resume.
3. For construction sites where soil disturbance activities have been shut down with partial project completion, the *owner or operator* can stop conducting the maintenance inspections if all areas disturbed as of the project shutdown date have achieved *final stabilization* and all post-construction stormwater management practices required for the completed portion of the project have been constructed in conformance with the SWPPP and are operational.

(Part IV. C)

C. Qualified Inspector Inspection Requirements - The *owner or operator* shall have a *qualified inspector* conduct site inspections in conformance with the following requirements:

[Note: The *trained contractor* identified in Part III.A.6. **cannot** conduct the *qualified inspector* site inspections unless they meet the *qualified inspector* qualifications included in Appendix A. In order to perform these inspections, the *trained contractor* would have to be a:

- Licensed Professional Engineer,
- Certified Professional in Erosion and Sediment Control (CPESC),
- Registered Landscape Architect, or
- Someone working under the direct supervision of, and at the same company as, the licensed Professional Engineer or Registered Landscape Architect, provided they have received four (4) hours of Department endorsed training in proper erosion and sediment control principles from a Soil and Water Conservation District, or other Department endorsed entity].

1. A *qualified inspector* shall conduct site inspections for all *construction activities* identified in Tables 1 and 2 of Appendix B, with the exception of:

- a. the construction of a single family residential subdivision with 25% or less impervious cover at total site build-out that involves a soil disturbance of one (1) or more acres of land but less than five (5) acres and is not located in one of the watersheds listed in Appendix C and not directly discharging to one of the 303(d) segments listed in Appendix E;
- b. the construction of a single family home that involves a soil disturbance of one (1) or more acres of land but less than five (5) acres and is not located in one of the watersheds listed in Appendix C and not directly discharging to one of the 303(d) segments listed in Appendix E;
- c. construction on agricultural property that involves a soil disturbance of one (1) or more acres of land but less than five (5) acres; and
- d. construction activities located in the watersheds identified in Appendix D that involve soil disturbances between five thousand (5000) square feet and one (1) acre of land.

2. Unless otherwise notified by the Department, the *qualified inspector* shall conduct site inspections in accordance with the following timetable:

- a. For construction sites where soil disturbance activities are on-going, the *qualified inspector* shall conduct a site inspection at least once every seven (7) calendar days.

(Part IV. C. 2)

- b. For construction sites where soil disturbance activities are on-going and the *owner or operator* has received authorization in accordance with Part II.C.3 to disturb greater than five (5) acres of soil at any one time, the *qualified inspector* shall conduct at least two (2) site inspections every seven (7) calendar days. The two (2) inspections shall be separated by a minimum of two (2) full calendar days.
- c. For construction sites where soil disturbance activities have been temporarily suspended (e.g. winter shutdown) and temporary stabilization measures have been applied to all disturbed areas, the *qualified inspector* shall conduct a site inspection at least once every thirty (30) calendar days. The *owner or operator* shall notify the Regional Office stormwater contact person (see contact information in Appendix F) or, in areas under the jurisdiction of a *regulated, traditional land use control MS4*, the MS4 (provided the MS4 is not the *owner or operator* of the construction activity) in writing prior to reducing the frequency of inspections.
- d. For construction sites where soil disturbance activities have been shut down with partial project completion, the *qualified inspector* can stop conducting inspections if all areas disturbed as of the project shutdown date have achieved *final stabilization* and all post-construction stormwater management practices required for the completed portion of the project have been constructed in conformance with the SWPPP and are operational. The *owner or operator* shall notify the Regional Office stormwater contact person (see contact information in Appendix F) or, in areas under the jurisdiction of a *regulated, traditional land use control MS4*, the MS4 (provided the MS4 is not the *owner or operator* of the construction activity). in writing prior to the shutdown. If soil disturbance activities are not resumed within 2 years from the date of shutdown, the *owner or operator* shall have the *qualified inspector* perform a final inspection and certify that all disturbed areas have achieved *final stabilization*, and all temporary, structural erosion and sediment control measures have been removed; and that all post-construction stormwater management practices have been constructed in conformance with the SWPPP by signing the “Final Stabilization” and “Post-Construction Stormwater Management Practice” certification statements on the NOT. The *owner or operator* shall then submit the completed NOT form to the address in Part II.A.1..

(Part IV. C. 3)

3. At a minimum, the *qualified inspector* shall inspect all erosion and sediment control practices to ensure integrity and effectiveness, all post-construction stormwater management practices under construction to ensure that they are constructed in conformance with the SWPPP, all areas of disturbance that have not achieved *final stabilization*, all points of discharge to natural surface waterbodies located within, or immediately adjacent to, the property boundaries of the construction site, and all points of discharge from the construction site.
4. The *qualified inspector* shall prepare an inspection report subsequent to each and every inspection. At a minimum, the inspection report shall include and/or address the following:
 - a. Date and time of inspection;
 - b. Name and title of person(s) performing inspection;
 - c. A description of the weather and soil conditions (e.g. dry, wet, saturated) at the time of the inspection;
 - d. A description of the condition of the runoff at all points of discharge from the construction site. This shall include identification of any *discharges* of sediment from the construction site. Include *discharges* from conveyance systems (i.e. pipes, culverts, ditches, etc.) and overland flow;
 - e. A description of the condition of all natural surface waterbodies located within, or immediately adjacent to, the property boundaries of the construction site which receive runoff from disturbed areas. This shall include identification of any *discharges* of sediment to the surface waterbody;
 - f. Identification of all erosion and sediment control practices that need repair or maintenance;
 - g. Identification of all erosion and sediment control practices that were not installed properly or are not functioning as designed and need to be reinstalled or replaced;
 - h. Description and sketch of areas that are disturbed at the time of the inspection and areas that have been stabilized (temporary and/or final) since the last inspection;

(Part IV. C 4)

- i. Current phase of construction of all post-construction stormwater management practices and identification of all construction that is not in conformance with the SWPPP and technical standards;
 - j. Corrective action(s) that must be taken to install, repair, replace or maintain erosion and sediment control practices; and to correct deficiencies identified with the construction of the post-construction stormwater management practice(s); and
 - k. Digital photographs, with date stamp, that clearly show the condition of all practices that have been identified as needing corrective actions. The *qualified inspector* shall attach paper color copies of the digital photographs to the inspection report being maintained onsite within seven (7) calendar days of the date of the inspection. The *qualified inspector* shall also take digital photographs, with date stamp, that clearly show the condition of the practice(s) after the corrective action has been completed. The *qualified inspector* shall attach paper color copies of the digital photographs to the inspection report that documents the completion of the corrective action work within seven (7) calendar days of that inspection.
5. Within one business day of the completion of an inspection, the *qualified inspector* shall notify the *owner or operator* and appropriate contractor or subcontractor identified in Part III.A.6. of any corrective actions that need to be taken. The contractor or subcontractor shall begin implementing the corrective actions within one business day of this notification and shall complete the corrective actions in a reasonable time frame.
 6. All inspection reports shall be signed by the *qualified inspector*. Pursuant to Part II.C.2., the inspection reports shall be maintained on site with the SWPPP.

Part V. TERMINATION OF PERMIT COVERAGE

A. Termination of Permit Coverage

1. An *owner or operator* that is eligible to terminate coverage under this permit must submit a completed NOT form to the address in Part II.A.1. The NOT form shall be one which is associated with this general permit, signed in accordance with Part VII.H.
2. An *owner or operator* may terminate coverage when one or more the following conditions have been met:

(Part V. A. 2)

- a. Total project completion - All construction activity identified in the SWPPP has been completed; and all areas of disturbance have achieved *final stabilization*; and all temporary, structural erosion and sediment control measures have been removed; and all post-construction stormwater management practices have been constructed in conformance with the SWPPP and are operational;
 - b. Planned shutdown with partial project completion - All soil disturbance activities have ceased; and all areas disturbed as of the project shutdown date have achieved *final stabilization*; and all temporary, structural erosion and sediment control measures have been removed; and all post-construction stormwater management practices required for the completed portion of the project have been constructed in conformance with the SWPPP and are operational;
 - c. A new *owner or operator* has obtained coverage under this permit in accordance with Part II.E.
3. For *construction activities* meeting subdivision 2a. or 2b. of this Part, the *owner or operator* shall have the *qualified inspector* perform a final site inspection prior to submitting the NOT. The *qualified inspector* shall, by signing the “Final Stabilization” and “Post-Construction Stormwater Management Practice” certification statements on the NOT, certify that all disturbed areas have achieved *final stabilization*; and all temporary, structural erosion and sediment control measures have been removed; and that all post-construction stormwater management practices have been constructed in conformance with the SWPPP.
 4. For *construction activities* that are subject to the requirements of a *regulated, traditional land use control MS4* and meet subdivision 2a. or 2b. of this Part, the *owner or operator* shall also have the MS4 sign the “MS4 Acceptance” statement on the NOT. The *owner or operator* shall have the principal executive officer, ranking elected official, or duly authorized representative from the *regulated, traditional land use control MS4*, sign the “MS4 Acceptance” statement. The MS4 official, by signing this statement, has determined that it is acceptable for the *owner or operator* to submit the NOT in accordance with the requirements of this Part. The MS4 can make this determination by performing a final site inspection themselves or by accepting the *qualified inspector’s* final site inspection certification(s) required in Part V.3.
 5. For *construction activities* that require post-construction stormwater management practices and meet subdivision 2a. of this Part, the *owner or operator* must, prior to submitting the NOT, ensure one of the following:

(Part V. A. 5)

- a. the post-construction stormwater management practice(s) and any right-of-way(s) needed to maintain such practice(s) have been deeded to the municipality in which the practice(s) is located,
- b. an executed maintenance agreement is in place with the municipality that will maintain the post-construction stormwater management practice(s),
- c. for post-construction stormwater management practices that are privately owned, the *owner or operator* has modified their deed of record to include a deed covenant that requires operation and maintenance of the practice(s) in accordance with the operation and maintenance plan,
- d. for post-construction stormwater management practices that are owned by a public or private institution (e.g. school, college, university), or government agency or authority, the *owner or operator* has policy and procedures in place that ensures operation and maintenance of the practices in accordance with the operation and maintenance plan.

Part VI. REPORTING AND RETENTION OF RECORDS

A. Record Retention - The *owner or operator* shall retain a copy of the NOI, NOI Acknowledgment Letter, SWPPP, MS4 SWPPP Acceptance form and any inspection reports that were prepared in conjunction with this permit for a period of at least five (5) years from the date that the site achieves *final stabilization*. This period may be extended by the Department, in its sole discretion, at any time upon written notification.

B. Addresses - With the exception of the NOI, NOT, and MS4 SWPPP Acceptance form (which must be submitted to the address referenced in Part II.A.1), all written correspondence requested by the Department, including individual permit applications, shall be sent to the address of the appropriate Department Regional Office listed in Appendix F.

Part VII. STANDARD PERMIT CONDITIONS

A. Duty to Comply - The *owner or operator* must comply with all conditions of this permit. All contractors and subcontractors associated with the project must comply with the terms of the SWPPP. Any non-compliance with this permit constitutes a violation of the Clean Water Act (CWA) and the ECL and is grounds for an enforcement action against the *owner or operator* and/or the contractor/subcontractor; permit revocation, suspension or modification; or denial of a permit renewal application. Upon a finding of significant non-compliance with this permit or the applicable SWPPP, the Department may order an immediate stop to all *construction activity* at the site until the non-compliance is remedied.

(Part VII. A)

The stop work order shall be in writing, shall describe the non-compliance in detail, and shall be sent to the *owner or operator*.

B. Continuation of the Expired General Permit - This permit expires five (5) years from the effective date. However, coverage may be obtained under the expired general permit, which will continue in force and effect, until a new general permit is issued. Unless otherwise notified by the Department in writing, an *owner or operator* seeking authorization under the new general permit must submit a new NOI in accordance with the terms of such new general permit.

C. Enforcement - Failure of the *owner or operator*, its contractors, subcontractors, agents and/or assigns to strictly adhere to any of the permit requirements contained herein shall constitute a violation of this permit. There are substantial criminal, civil, and administrative penalties associated with violating the provisions of this permit. Fines of up to \$37,500 per day for each violation and imprisonment for up to fifteen (15) years may be assessed depending upon the nature and degree of the offense.

D. Need to Halt or Reduce Activity Not a Defense - It shall not be a defense for an *owner or operator* in an enforcement action that it would have been necessary to halt or reduce the *construction activity* in order to maintain compliance with the conditions of this permit.

E. Duty to Mitigate - The *owner or operator* and its contractors and subcontractors shall take all reasonable steps to minimize or prevent any *discharge* in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

F. Duty to Provide Information - The *owner or operator* shall make available to the Department for review and copying or furnish to the Department within five (5) business days of receipt of a Department request for such information, any information requested for the purpose of determining compliance with this permit. This can include, but is not limited to, the NOI, NOI Acknowledgment Letter, SWPPP, MS4 SWPPP Acceptance form, executed maintenance agreement, and inspection reports. Failure to provide information requested by the Department within the request timeframe shall be a violation of this permit.

The NOI, SWPPP and inspection reports required by this permit are public documents that the *owner or operator* must make available for review and copying by any person within five (5) business days of the *owner or operator* receiving a written request by any such person to review the NOI, SWPPP or inspection reports. Copying of documents will be done at the requester's expense.

G. Other Information - When the *owner or operator* becomes aware that they failed to submit any relevant facts, or submitted incorrect information in the NOI or in any other report, or have made substantive revisions to the SWPPP (e.g. the scope of the project changes significantly, the type of post-construction stormwater management practice(s)

(Part VII. G)

changes, there is a reduction in the sizing of the post-construction stormwater management practice, or there is an increase in the disturbance area or impervious area), which were not reflected in the original NOI submitted to the Department, they shall promptly submit such facts or information to the Department. Failure of the *owner or operator* to correct or supplement any relevant facts within five (5) business days of becoming aware of the deficiency shall constitute a violation of this permit.

H. Signatory Requirements

1. All NOIs and NOTs shall be signed as follows:

- a. For a corporation these forms shall be signed by a responsible corporate officer. For the purpose of this section, a responsible corporate officer means:
 - i. a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation; or
 - ii. the manager of one or more manufacturing, production or operating facilities, provided the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;
- b. For a partnership or sole proprietorship these forms shall be signed by a general partner or the proprietor, respectively; or
- c. For a municipality, State, Federal, or other public agency these forms shall be signed by either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a Federal agency includes:
 - i. the chief executive officer of the agency, or

(Part VII. H. 1. c)

- ii. a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., Regional Administrators of EPA).
2. The SWPPP and other information requested by the Department shall be signed by a person described in Part VII.H.1. or by a duly authorized representative of that person. A person is a duly authorized representative only if:
 - a. The authorization is made in writing by a person described in Part VII.H.1.;
 - b. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as the position of plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company. (A duly authorized representative may thus be either a named individual or any individual occupying a named position) and,
 - c. The written authorization shall include the name, title and signature of the authorized representative and be attached to the SWPPP.
3. All inspection reports shall be signed by the *qualified inspector* that performs the inspection.
4. The MS4 SWPPP Acceptance form shall be signed by the principal executive officer or ranking elected official from the *regulated, traditional land use control MS4*, or by a duly authorized representative of that person.

It shall constitute a permit violation if an incorrect and/or improper signatory authorizes any required forms, SWPPP and/or inspection reports.

I. Property Rights - The issuance of this permit does not convey any property rights of any sort, nor any exclusive privileges, nor does it authorize any injury to private property nor any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations. *Owners or operators* must obtain any applicable conveyances, easements, licenses and/or access to real property prior to *commencing construction activity*.

J. Severability - The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.

(Part VII. K)

K. Denial of Coverage Under This Permit

1. At its sole discretion, the Department may require any *owner or operator* authorized by this permit to apply for and/or obtain either an individual SPDES permit or another SPDES general permit. When the Department requires any discharger authorized by a general permit to apply for an individual SPDES permit, it shall notify the discharger in writing that a permit application is required. This notice shall include a brief statement of the reasons for this decision, an application form, a statement setting a time frame for the *owner or operator* to file the application for an individual SPDES permit, and a deadline, not sooner than 180 days from *owner or operator* receipt of the notification letter, whereby the authorization to discharge under this general permit shall be terminated. Applications must be submitted to the appropriate Regional Office. The Department may grant additional time upon demonstration, to the satisfaction of the Regional Water Engineer, that additional time to apply for an alternative authorization is necessary or where the Department has not provided a permit determination in accordance with Part 621 of this Title.
2. Any *owner or operator* authorized by this permit may request to be excluded from the coverage under this permit by applying for an individual permit or another general permit. In such cases, the *owner or operator* shall submit an individual application or an alternative general permit application in accordance with the requirements of this general permit, 40 CFR 122.26(c)(1)(ii) and 6 NYCRR Part 621, with reasons supporting the request, to the Department at the address for the appropriate Department Office (see addresses in Appendix F). The request may be granted by issuance of an individual permit or another general permit at the discretion of the Department.
3. When an individual SPDES permit is issued to a discharger authorized to discharge under a general SPDES permit for the same discharge(s), the general permit authorization for outfalls authorized under the individual SPDES permit is automatically terminated on the effective date of the individual permit unless termination is earlier in accordance with 6 NYCRR Part 750.

L. Proper Operation and Maintenance - The *owner or operator* shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the *owner or operator* to achieve compliance with the conditions of this permit and with the requirements of the SWPPP.

M. Inspection and Entry - The *owner or operator* shall allow the Department or an authorized representative of EPA, the State, or, in the case of a construction site which discharges through an *MS4*, an authorized representative of the *MS4* receiving the discharge, upon the presentation of credentials and other documents as may be required by law, to:

(Part VII. M)

1. Enter upon the *owner's or operator's* premises where a regulated facility or activity is located or conducted or where records must be kept under the conditions of this permit;
2. Have access to and copy at reasonable times, any records that must be kept under the conditions of this permit; and
3. Inspect at reasonable times any facilities or equipment (including monitoring and control equipment).

N. Permit Actions - At the Department's sole discretion, this permit may, at any time, be modified, suspended, revoked, or renewed. The filing of a request by the *owner or operator* for a permit modification, revocation and reissuance, termination, a notification of planned changes or anticipated noncompliance does not limit, diminish and/or stay compliance with any terms of this permit.

O. Definitions - Definitions of key terms are included in Appendix A of this permit.

P. Re-Opener Clause

1. If there is evidence indicating potential or realized impacts on water quality due to any stormwater discharge associated with *construction activity* covered by this permit, the *owner or operator* of such discharge may be required to obtain an individual permit or alternative general permit in accordance with Part VII.K. of this permit or the permit may be modified to include different limitations and/or requirements.
2. Permit modification, suspension or revocation will be conducted in accordance with 6 NYCRR Part 621, 6 NYCRR 750-1.18, and 6 NYCRR 750-1.20.

Q. Penalties for Falsification of Forms and Reports – Article 17 of the ECL provides for a civil penalty of \$37,500 per day per violation of this permit. Articles 175 and 210 of the New York State Penal Law provide for a criminal penalty of a fine and/or imprisonment for falsifying forms and reports required by this permit.

R. Other Permits – Nothing in this permit relieves the *owner or operator* from a requirement to obtain any other permits required by law.

APPENDIX A

Definitions

Alter Hydrology from Pre to Post-Development Conditions - means the post-development peak flow rate(s) has increased by more than 5% of the pre-developed condition for the design storm of interest (e.g. 10 yr and 100 yr).

Combined Sewer - means a sewer that is designed to collect and convey both “sewage” and “stormwater”.

Commence (Commencement of) Construction Activities - means the initial disturbance of soils associated with clearing, grading or excavation activities; or other construction related activities that disturb or expose soils such as demolition, stockpiling of fill material, and the initial installation of erosion and sediment control practices required in the SWPPP. See definition for “Construction Activity(ies)” also.

Construction Activity(ies) - means any clearing, grading, excavation, filling, demolition or stockpiling activities that result in soil disturbance. Clearing activities can include, but are not limited to, logging equipment operation, the cutting and skidding of trees, stump removal and/or brush root removal. Construction activity does not include routine maintenance that is performed to maintain the original line and grade, hydraulic capacity, or original purpose of a facility.

Direct Discharge (to a specific surface waterbody) - means that runoff flows from a construction site by overland flow and the first point of discharge is the specific surface waterbody, or runoff flows from a construction site to a separate storm sewer system and the first point of discharge from the separate storm sewer system is the specific surface waterbody.

Discharge(s) - means any addition of any pollutant to waters of the State through an outlet or point source.

Environmental Conservation Law (ECL) - means chapter 43-B of the Consolidated Laws of the State of New York, entitled the Environmental Conservation Law.

Final Stabilization - means that all soil disturbance activities have ceased and a uniform, perennial vegetative cover with a density of eighty (80) percent over the entire pervious surface has been established; or other equivalent stabilization measures, such as permanent landscape mulches, rock rip-rap or washed/crushed stone have been applied on all disturbed areas that are not covered by permanent structures, concrete or pavement.

General SPDES permit - means a SPDES permit issued pursuant to 6 NYCRR Part 750-1.21 authorizing a category of discharges.

Groundwater - means waters in the saturated zone. The saturated zone is a subsurface zone in

which all the interstices are filled with water under pressure greater than that of the atmosphere. Although the zone may contain gas-filled interstices or interstices filled with fluids other than water, it is still considered saturated.

Impervious Area (Cover) - means all impermeable surfaces that cannot effectively infiltrate rainfall. This includes paved, concrete and gravel surfaces (i.e. parking lots, driveways, roads, runways and sidewalks); building rooftops and miscellaneous impermeable structures such as patios, pools, and sheds.

Larger Common Plan of Development or Sale - means a contiguous area where multiple separate and distinct construction activities are occurring, or will occur, under one plan. The term “plan” in “larger common plan of development or sale” is broadly defined as any announcement or piece of documentation (including a sign, public notice or hearing, marketing plan, advertisement, drawing, permit application, State Environmental Quality Review Act (SEQRA) application, zoning request, computer design, etc.) or physical demarcation (including boundary signs, lot stakes, surveyor markings, etc.) indicating that construction activities may occur on a specific plot.

For discrete construction projects that are located within a larger common plan of development or sale that are at least 1/4 mile apart, each project can be treated as a separate plan of development or sale provided any interconnecting road, pipeline or utility project that is part of the same “common plan” is not concurrently being disturbed.

Municipal Separate Storm Sewer (MS4) - a conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains):

- i. Owned or operated by a State, city, town, borough, county, parish, district, association, or other public body (created by or pursuant to State law) having jurisdiction over disposal of sewage, industrial wastes, stormwater, or other wastes, including special districts under State law such as a sewer district, flood control district or drainage district, or similar entity, or an Indian tribe or an authorized Indian tribal organization, or a designated and approved management agency under section 208 of the CWA that discharges to surface waters of the State;
- ii. Designed or used for collecting or conveying stormwater;
- iii. Which is not a *combined sewer*; and
- iv. Which is not part of a Publicly Owned Treatment Works (POTW) as defined at 40 CFR 122.2.

National Pollutant Discharge Elimination System (NPDES) - means the national system for the issuance of wastewater and stormwater permits under the Federal Water Pollution Control Act (Clean Water Act).

NOI Acknowledgment Letter - means the letter that the Department sends to an owner or operator to acknowledge the Department’s receipt and acceptance of a complete Notice of Intent. This letter documents the owner’s or operator’s authorization to discharge in accordance with the general permit for stormwater discharges from construction activity.

Owner or Operator - means the person, persons or legal entity which owns or leases the property on which the construction activity is occurring; and/or an entity that has operational control over the construction plans and specifications, including the ability to make modifications to the plans and specifications.

Pollutant - means dredged spoil, filter backwash, solid waste, incinerator residue, sewage, garbage, sewage sludge, munitions, chemical wastes, biological materials, radioactive materials, heat, wrecked or discarded equipment, rock, sand and industrial, municipal, agricultural waste and ballast discharged into water; which may cause or might reasonably be expected to cause pollution of the waters of the state in contravention of the standards or guidance values adopted as provided in Parts 700 et seq of this Title.

Qualified Inspector - means a person that is knowledgeable in the principles and practices of erosion and sediment control, such as a licensed Professional Engineer, Certified Professional in Erosion and Sediment Control (CPESC), Registered Landscape Architect, or other Department endorsed individual(s).

It can also mean someone working under the direct supervision of, and at the same company as, the licensed Professional Engineer or Registered Landscape Architect, provided that person has training in the principles and practices of erosion and sediment control. Training in the principles and practices of erosion and sediment control means that the individual working under the direct supervision of the licensed Professional Engineer or Registered Landscape Architect has received four (4) hours of Department endorsed training in proper erosion and sediment control principles from a Soil and Water Conservation District, or other Department endorsed entity. After receiving the initial training, the individual working under the direct supervision of the licensed Professional Engineer or Registered Landscape Architect shall receive four (4) hours of training every three (3) years.

It can also mean a person that meets the *Qualified Professional* qualifications in addition to the *Qualified Inspector* qualifications.

Note: Inspections of any post-construction stormwater management practices that include structural components, such as a dam for an impoundment, shall be performed by a licensed Professional Engineer.

Qualified Professional - means a person that is knowledgeable in the principles and practices of stormwater management and treatment, such as a licensed Professional Engineer, Registered Landscape Architect or other Department endorsed individual(s). Individuals preparing SWPPPs that require the post-construction stormwater management practice component must have an understanding of the principles of hydrology, water quality management practice design, water quantity control design, and, in many cases, the principles of hydraulics in order to prepare a SWPPP that conforms to the Department's technical standard. All components of the SWPPP that involve the practice of engineering, as defined by the NYS Education Law (see Article 145), shall be prepared by, or under the direct supervision of, a professional engineer licensed to practice in the State of New York.

Regulated, Traditional Land Use Control MS4 - means a city, town or village with land use control authority that is required to gain coverage under New York State DEC's SPDES General Permit For Stormwater Discharges from Municipal Separate Stormwater Sewer Systems (MS4s).

Routine Maintenance Activity - means construction activity that is performed to maintain the original line and grade, hydraulic capacity, or original purpose of a facility, including, but not limited to:

- Re-grading of gravel roads or parking lots,
- Stream bank restoration projects (does not include the placement of spoil material),
- Cleaning and shaping of existing roadside ditches and culverts that maintains the approximate original line and grade, and hydraulic capacity of the ditch,
- Cleaning and shaping of existing roadside ditches that does not maintain the approximate original grade, hydraulic capacity and purpose of the ditch if the changes to the line and grade, hydraulic capacity or purpose of the ditch are installed to improve water quality and quantity controls (e.g. installing grass lined ditch),
- Placement of aggregate shoulder backing that makes the transition between the road shoulder and the ditch or embankment,
- Full depth milling and filling of existing asphalt pavements, replacement of concrete pavement slabs, and similar work that does not expose soil or disturb the bottom six (6) inches of subbase material,
- Long-term use of equipment storage areas at or near highway maintenance facilities,
- Removal of sediment from the edge of the highway to restore a previously existing sheet-flow drainage connection from the highway surface to the highway ditch or embankment,
- Existing use of Canal Corp owned upland disposal sites for the canal, and
- Replacement of curbs, gutters, sidewalks and guide rail posts.

State Pollutant Discharge Elimination System (SPDES) - means the system established pursuant to Article 17 of the ECL and 6 NYCRR Part 750 for issuance of permits authorizing discharges to the waters of the state.

Surface Waters of the State - shall be construed to include lakes, bays, sounds, ponds, impounding reservoirs, springs, rivers, streams, creeks, estuaries, marshes, inlets, canals, the Atlantic ocean within the territorial seas of the state of New York and all other bodies of surface water, natural or artificial, inland or coastal, fresh or salt, public or private (except those private waters that do not combine or effect a junction with natural surface or underground waters), which are wholly or partially within or bordering the state or within its jurisdiction. Waters of the state are further defined in 6 NYCRR Parts 800 to 941.

Temporary Stabilization - means that exposed soil has been covered with material(s) as set forth in the technical standard, New York Standards and Specifications for Erosion and Sediment Control, to prevent the exposed soil from eroding. The materials can include, but are not limited to, mulch, seed and mulch, and erosion control mats (e.g. jute twisted yarn, excelsior wood fiber mats).

Total Maximum Daily Loads (TMDLs) - A TMDL is the sum of the allowable loads of a single pollutant from all contributing point and nonpoint sources. It is a calculation of the maximum amount of a pollutant that a waterbody can receive on a daily basis and still meet water quality standards, and an allocation of that amount to the pollutant's sources. A TMDL stipulates wasteload allocations (WLAs) for point source discharges, load allocations (LAs) for nonpoint sources, and a margin of safety (MOS).

Trained Contractor - means an employee from the contracting (construction) company, identified in Part III.A.6., that has received four (4) hours of Department endorsed training in proper erosion and sediment control principles from a Soil and Water Conservation District, or other Department endorsed entity. After receiving the initial training, the *trained contractor* shall receive four (4) hours of training every three (3) years.

It can also mean an employee from the contracting (construction) company, identified in Part III.A.6., that meets the *qualified inspector* qualifications (e.g. licensed Professional Engineer, Certified Professional in Erosion and Sediment Control (CPESC), Registered Landscape Architect, or someone working under the direct supervision of, and at the same company as, the licensed Professional Engineer or Registered Landscape Architect, provided they have received four (4) hours of Department endorsed training in proper erosion and sediment control principles from a Soil and Water Conservation District, or other Department endorsed entity).

The *trained contractor* will be responsible for the day to day implementation of the SWPPP.

Uniform Procedures Act (UPA) Permit - means a permit required under 6 NYCRR Part 621 of the Environmental Conservation Law (ECL), Article 70.

Water Quality Standard - means such measures of purity or quality for any waters in relation to their reasonable and necessary use as promulgated in 6 NYCRR Part 700 et seq.

APPENDIX B

Required SWPPP Components by Project Type

Table 1
CONSTRUCTION ACTIVITIES THAT REQUIRE THE PREPARATION OF A SWPPP
THAT ONLY INCLUDES EROSION AND SEDIMENT CONTROLS

<p>The following construction activities that involve soil disturbances of one (1) or more acres of land, but less than five (5) acres:</p> <ul style="list-style-type: none">• Single family home <u>not</u> located in one of the watersheds listed in Appendix C and <u>not directly discharging</u> to one of the 303(d) segments listed in Appendix E• Single family residential subdivisions with 25% or less impervious cover at total site build-out and <u>not</u> located in one of the watersheds listed in Appendix C and <u>not</u> directly discharging to one of the 303(d) segments listed in Appendix E• Construction of a barn or other agricultural building, silo, stock yard or pen.
<p>The following construction activities that involve soil disturbances of one (1) or more acres of land:</p> <ul style="list-style-type: none">• Installation of underground, linear utilities; such as gas lines, fiber-optic cable, cable TV, electric, telephone, sewer mains, and water mains• Environmental enhancement projects, such as wetland mitigation projects, stormwater retrofits and stream restoration projects• Bike paths and trails• Sidewalk construction projects that are not part of a road/ highway construction or reconstruction project• Slope stabilization projects• Slope flattening that changes the grade of the site, but does not significantly change the runoff characteristics• Spoil areas that will be covered with vegetation• Land clearing and grading for the purposes of creating vegetated open space (i.e. recreational parks, lawns, meadows, fields), excluding projects that <i>alter hydrology from pre to post development</i> conditions• Athletic fields (natural grass) that do not include the construction or reconstruction of <i>impervious area</i> <u>and</u> do not <i>alter hydrology from pre to post development</i> conditions• Demolition project where vegetation will be established and no redevelopment is planned• Overhead electric transmission line project that does not include the construction of permanent access roads or parking areas surfaced with <i>impervious cover</i>• Structural practices as identified in Table II in the “Agricultural Management Practices Catalog for Nonpoint Source Pollution in New York State”, excluding projects that involve soil disturbances of less than five acres and construction activities that include the construction or reconstruction of impervious area
<p>The following construction activities that involve soil disturbances between five thousand (5000) square feet and one (1) acre of land:</p> <ul style="list-style-type: none">• All construction activities located in the watersheds identified in Appendix D that involve soil disturbances between five thousand (5000) square feet and one (1) acre of land.

Table 2
CONSTRUCTION ACTIVITIES THAT REQUIRE THE PREPARATION OF A SWPPP
THAT INCLUDES POST-CONSTRUCTION STORMWATER MANAGEMENT PRACTICES

The following construction activities that involve soil disturbances of one (1) or more acres of land:

- Single family home located in one of the watersheds listed in Appendix C or *directly discharging* to one of the 303(d) segments listed in Appendix E
- Single family residential subdivisions located in one of the watersheds listed in Appendix C or *directly discharging* to one of the 303(d) segments listed in Appendix E
- Single family residential subdivisions that involve soil disturbances of between one (1) and five (5) acres of land with greater than 25% impervious cover at total site build-out
- Single family residential subdivisions that involve soil disturbances of five (5) or more acres of land, and single family residential subdivisions that involve soil disturbances of less than five (5) acres that are part of a larger common plan of development or sale that will ultimately disturb five or more acres of land
- Multi-family residential developments; includes townhomes, condominiums, senior housing complexes, apartment complexes, and mobile home parks
- Airports
- Amusement parks
- Campgrounds
- Cemeteries that include the construction or reconstruction of impervious area (>5% of disturbed area) or *alter the hydrology from pre to post development conditions*
- Commercial developments
- Churches and other places of worship
- Construction of a barn or other agricultural building(e.g. silo) and structural practices as identified in Table II in the “Agricultural Management Practices Catalog for Nonpoint Source Pollution in New York State” that include the construction or reconstruction of *impervious area*, excluding projects that involve soil disturbances of less than five acres.
- Golf courses
- Institutional, includes hospitals, prisons, schools and colleges
- Industrial facilities, includes industrial parks
- Landfills
- Municipal facilities; includes highway garages, transfer stations, office buildings, POTW’s and water treatment plants
- Office complexes
- Sports complexes
- Racetracks, includes racetracks with earthen (dirt) surface
- Road construction or reconstruction
- Parking lot construction or reconstruction
- Athletic fields (natural grass) that include the construction or reconstruction of impervious area (>5% of disturbed area) or *alter the hydrology from pre to post development conditions*
- Athletic fields with artificial turf
- Permanent access roads, parking areas, substations, compressor stations and well drilling pads, surfaced with *impervious cover*, and constructed as part of an over-head electric transmission line project, wind-power project, cell tower project, oil or gas well drilling project or other linear utility project
- All other construction activities that include the construction or reconstruction of *impervious area* and alter the hydrology from pre to post development conditions, and are not listed in Table 1

APPENDIX C

Watersheds Where Enhanced Phosphorus Removal Standards Are Required

Watersheds where *owners or operators* of construction activities identified in Table 2 of Appendix B must prepare a SWPPP that includes post-construction stormwater management practices designed in conformance with the Enhanced Phosphorus Removal Standards included in the technical standard, New York State Stormwater Management Design Manual (“Design Manual”).

- Entire New York City Watershed located east of the Hudson River - Figure 1
- Onondaga Lake Watershed - Figure 2
- Greenwood Lake Watershed -Figure 3
- Oscawana Lake Watershed – Figure 4

Figure 1 - New York City Watershed East of the Hudson

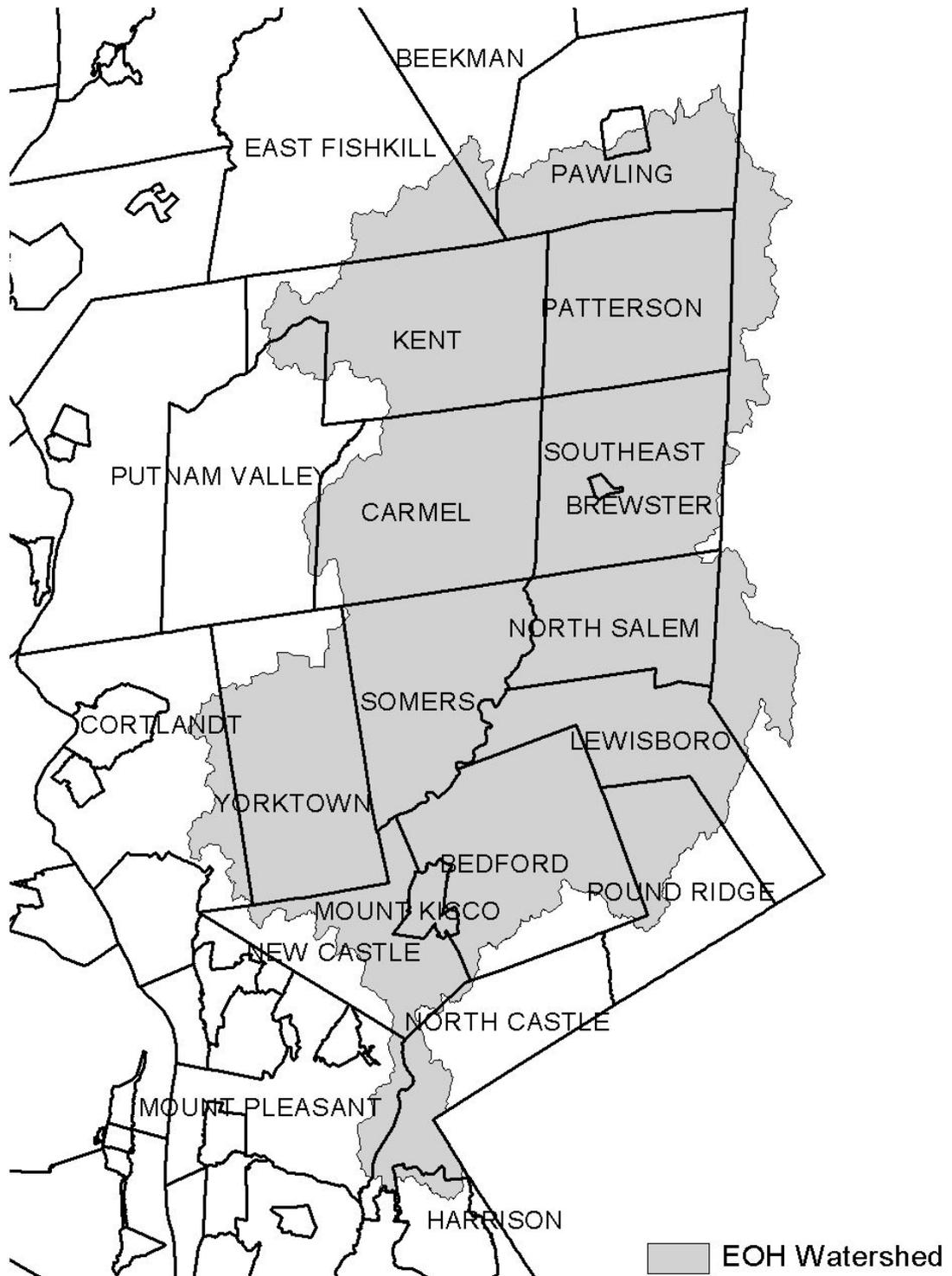


Figure 2 - Onondaga Lake Watershed



Figure 3 - Greenwood Lake Watershed

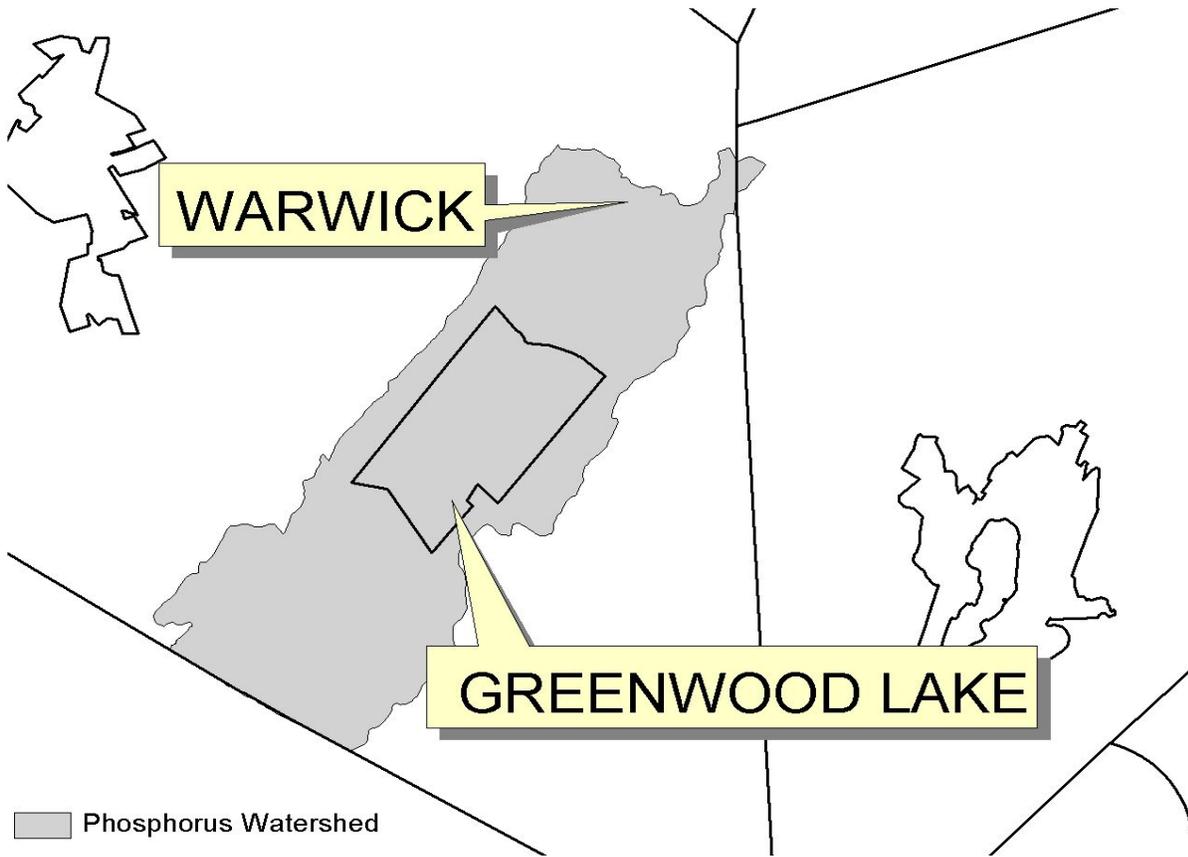
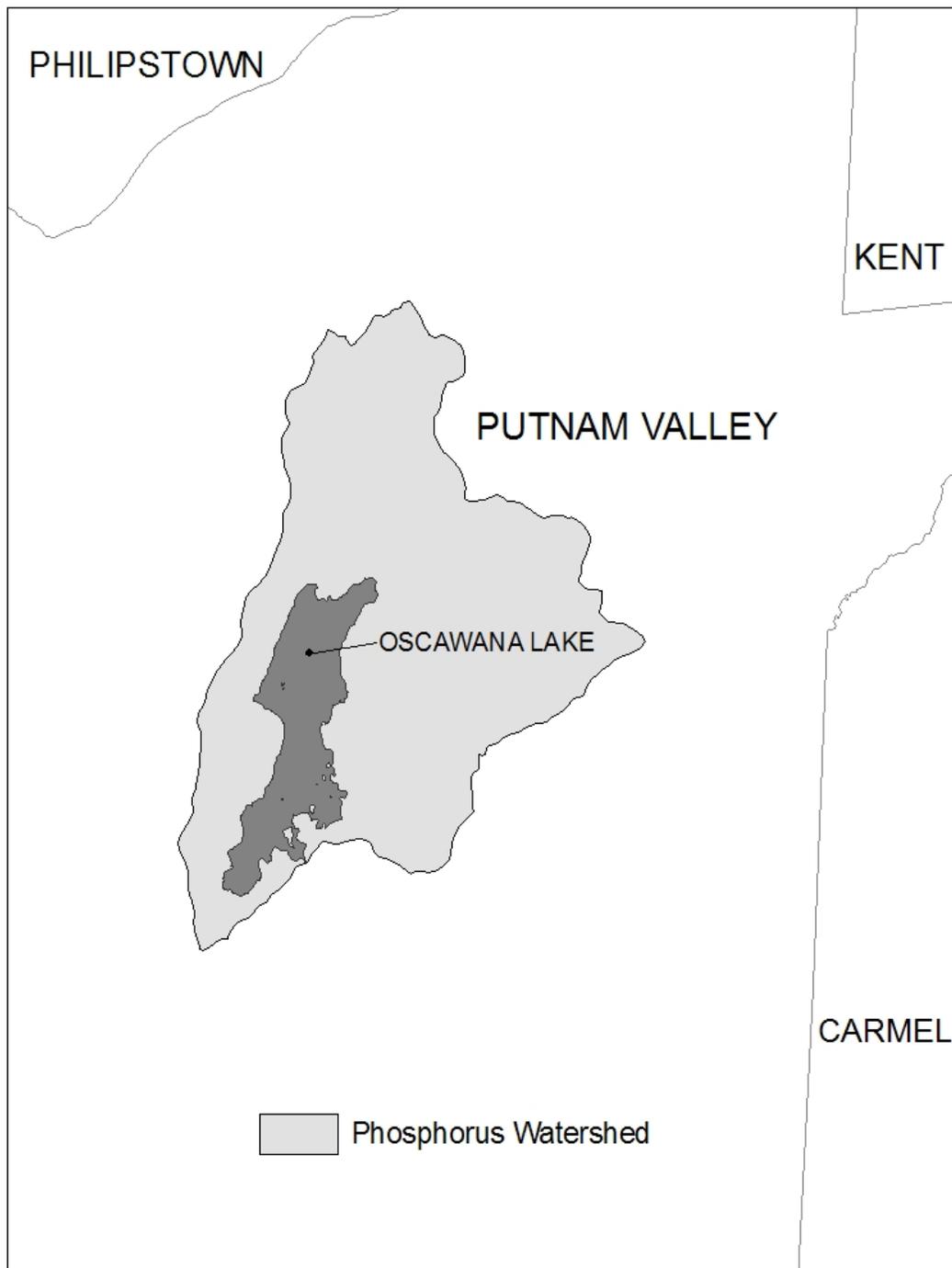


Figure 4 - Oscawana Lake Watershed



APPENDIX D

Watersheds where *owners or operators* of construction activities that involve soil disturbances between five thousand (5000) square feet and one (1) acre of land must obtain coverage under this permit.

Entire New York City Watershed that is located east of the Hudson River - See Figure 1 in Appendix C

APPENDIX E

List of 303(d) segments impaired by pollutants related to construction activity (e.g. silt, sediment or nutrients). *Owners or operators* of single family home and single family residential subdivision construction activities that involve soil disturbances of one or more acres of land, but less than 5 acres, and *directly discharge* to one of the listed segments below shall prepare a SWPPP that includes post-construction stormwater management practices designed in conformance with the most current version of the technical standard, New York State Stormwater Management Design Manual (“Design Manual”).

COUNTY	WATERBODY	COUNTY	WATERBODY
Albany	Ann Lee (Shakers) Pond, Stump Pond	Monroe	Genesee River, Lower, Main Stem
Albany	Basic Creek Reservoir	Monroe	Genesee River, Middle, Main Stem
Bronx	Van Cortlandt Lake	Monroe	Black Creek, Lower, and minor tribs
Broome	Whitney Point Lake/Reservoir	Monroe	Buck Pond
Broome	Beaver Lake	Monroe	Long Pond
Broome	White Birch Lake	Monroe	Cranberry Pond
Chautauqua	Chautauqua Lake, North	Monroe	Mill Creek and tribs
Chautauqua	Chautauqua Lake, South	Monroe	Shipbuilders Creek and tribs
Chautauqua	Bear Lake	Monroe	Minor tribs to Irondequoit Bay
Chautauqua	Chadakoin River and tribs	Monroe	Thomas Creek/White Brook and tribs
Chautauqua	Lower Cassadaga Lake	Nassau	Glen Cove Creek, Lower, and tribs
Chautauqua	Middle Cassadaga Lake	Nassau	LI Tribs (fresh) to East Bay
Chautauqua	Findley Lake	Nassau	East Meadow Brook, Upper, and tribs
Clinton	Great Chazy River, Lower, Main Stem	Nassau	Hempstead Bay
Columbia	Kinderhook Lake	Nassau	Hempstead Lake
Columbia	Robinson Pond	Nassau	Grant Park Pond
Dutchess	Hillside Lake	Niagara	Bergholtz Creek and tribs
Dutchess	Wappinger Lakes	Oneida	Ballou, Nail Creeks
Dutchess	Fall Kill and tribs	Onondaga	Ley Creek and tribs
Dutchess	Rudd Pond	Onondaga	Onondaga Creek, Lower and tribs
Erie	Rush Creek and tribs	Onondaga	Onondaga creek, Middle and tribs
Erie	Ellicott Creek, Lower, and tribs	Onondaga	Onondaga Creek, Upper, and minor tribs
Erie	Beeman Creek and tribs	Onondaga	Harbor Brook, Lower, and tribs
Erie	Murder Creek, Lower, and tribs	Onondaga	Ninemile Creek, Lower, and tribs
Erie	South Branch Smoke Cr, Lower, and tribs	Onondaga	Minor tribs to Onondaga Lake
Erie	Little Sister Creek, Lower, and tribs	Ontario	Honeoye Lake
Essex	Lake George (primary county listed as Warren)	Ontario	Hemlock Lake Outlet and minor tribs
Genesee	Black Creek, Upper, and minor tribs	Ontario	Great Brook and minor tribs
Genesee	Tonawanda Creek, Middle, Main Stem	Oswego	Lake Neatahwanta
Genesee	Tonawanda Creek, Upper, and minor tribs	Putnam	Oscawana Lake
Genesee	Little Tonawanda Creek, Lower, and tribs	Putnam	Lake Carmel
Genesee	Oak Orchard Creek, Upper, and tribs	Queens	Jamaica Bay, Eastern, and tribs (Queens)
Genesee	Bowen Brook and tribs	Queens	Bergen Basin
Genesee	Bigelow Creek and tribs	Queens	Shellbank Basin
Greene	Schoharie Reservoir	Rensselaer	Snyders Lake
Greene	Sleepy Hollow Lake	Richmond	Grasmere, Arbutus and Wolfes Lakes
Herkimer	Steele Creek tribs	Saratoga	Dwaas Kill and tribs
Kings	Hendrix Creek	Saratoga	Tribs to Lake Lonely
Lewis	Mill Creek/South Branch and tribs	Saratoga	Lake Lonely
Livingston	Conesus Lake	Saratoga	Schuyler Creek and tribs
Livingston	Jaycox Creek and tribs	Schenectady	Collins Lake
Livingston	Mill Creek and minor tribs		

APPENDIX E

List of 303(d) segments impaired by pollutants related to construction activity, cont'd.

COUNTY	WATERBODY	COUNTY	WATERBODY
Schoharie	Engleville Pond		
Schoharie	Summit Lake		
St. Lawrence	Black Lake Outlet/Black Lake		
Steuben	Lake Salubria		
Steuben	Smith Pond		
Suffolk	Millers Pond		
Suffolk	Mattituck (Marratooka) Pond		
Suffolk	Tidal tribs to West Moriches Bay		
Suffolk	Canaan Lake		
Suffolk	Lake Ronkonkoma		
Tompkins	Cayuga Lake, Southern End		
Tompkins	Owasco Inlet, Upper, and tribs		
Ulster	Ashokan Reservoir		
Ulster	Esopus Creek, Upper, and minor tribs		
Warren	Lake George		
Warren	Tribs to L.George, Village of L George		
Warren	Huddle/Finkle Brooks and tribs		
Warren	Indian Brook and tribs		
Warren	Hague Brook and tribs		
Washington	Tribs to L.George, East Shore of Lake George		
Washington	Cossayuna Lake		
Wayne	Port Bay		
Wayne	Marbletown Creek and tribs		
Westchester	Peach Lake		
Westchester	Mamaroneck River, Lower		
Westchester	Mamaroneck River, Upper, and minor tribs		
Westchester	Sheldrake River and tribs		
Westchester	Blind Brook, Lower		
Westchester	Blind Brook, Upper, and tribs		
Westchester	Lake Lincolndale		
Westchester	Lake Meahaugh		
Wyoming	Java Lake		
Wyoming	Silver Lake		

Note: The list above identifies those waters from the final New York State “2008 Section 303(d) List of Impaired Waters Requiring a TMDL/Other Strategy”, dated May 26, 2008, that are impaired by silt, sediment or nutrients.

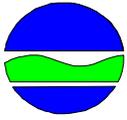
APPENDIX F

LIST OF NYS DEC REGIONAL OFFICES

<u>Region</u>	<u>COVERING THE FOLLOWING COUNTIES:</u>	<u>DIVISION OF ENVIRONMENTAL PERMITS (DEP) PERMIT ADMINISTRATORS</u>	<u>DIVISION OF WATER (DOW) WATER (SPDES) PROGRAM</u>
1	NASSAU AND SUFFOLK	50 CIRCLE ROAD STONY BROOK, NY 11790 TEL. (631) 444-0365	50 CIRCLE ROAD STONY BROOK, NY 11790-3409 TEL. (631) 444-0405
2	BRONX, KINGS, NEW YORK, QUEENS AND RICHMOND	1 HUNTERS POINT PLAZA, 47-40 21ST ST. LONG ISLAND CITY, NY 11101-5407 TEL. (718) 482-4997	1 HUNTERS POINT PLAZA, 47-40 21ST ST. LONG ISLAND CITY, NY 11101-5407 TEL. (718) 482-4933
3	DUTCHESS, ORANGE, PUTNAM, ROCKLAND, SULLIVAN, ULSTER AND WESTCHESTER	21 SOUTH PUTT CORNERS ROAD NEW PALTZ, NY 12561-1696 TEL. (845) 256-3059	100 HILLSIDE AVENUE, SUITE 1W WHITE PLAINS, NY 10603 TEL. (914) 428 - 2505
4	ALBANY, COLUMBIA, DELAWARE, GREENE, MONTGOMERY, OTSEGO, RENSSELAER, SCHENECTADY AND SCHOHARIE	1150 NORTH WESTCOTT ROAD SCHENECTADY, NY 12306-2014 TEL. (518) 357-2069	1130 NORTH WESTCOTT ROAD SCHENECTADY, NY 12306-2014 TEL. (518) 357-2045
5	CLINTON, ESSEX, FRANKLIN, FULTON, HAMILTON, SARATOGA, WARREN AND WASHINGTON	1115 STATE ROUTE 86, PO BOX 296 RAY BROOK, NY 12977-0296 TEL. (518) 897-1234	232 GOLF COURSE ROAD, PO BOX 220 WARRENSBURG, NY 12885-0220 TEL. (518) 623-1200
6	HERKIMER, JEFFERSON, LEWIS, ONEIDA AND ST. LAWRENCE	STATE OFFICE BUILDING 317 WASHINGTON STREET WATERTOWN, NY 13601-3787 TEL. (315) 785-2245	STATE OFFICE BUILDING 207 GENESEE STREET UTICA, NY 13501-2885 TEL. (315) 793-2554
7	BROOME, CAYUGA, CHENANGO, CORTLAND, MADISON, ONONDAGA, OSWEGO, TIOGA AND TOMPKINS	615 ERIE BLVD. WEST SYRACUSE, NY 13204-2400 TEL. (315) 426-7438	615 ERIE BLVD. WEST SYRACUSE, NY 13204-2400 TEL. (315) 426-7500
8	CHEMUNG, GENESEE, LIVINGSTON, MONROE, ONTARIO, ORLEANS, SCHUYLER, SENECA, STEUBEN, WAYNE AND YATES	6274 EAST AVON-LIMA ROAD AVON, NY 14414-9519 TEL. (585) 226-2466	6274 EAST AVON-LIMA RD. AVON, NY 14414-9519 TEL. (585) 226-2466
9	ALLEGANY, CATTARAUGUS, CHAUTAUQUA, ERIE, NIAGARA AND WYOMING	270 MICHIGAN AVENUE BUFFALO, NY 14203-2999 TEL. (716) 851-7165	270 MICHIGAN AVE. BUFFALO, NY 14203-2999 TEL. (716) 851-7070

APPENDIX D: COPY OF NOI

NOTICE OF INTENT



**New York State Department of Environmental Conservation
Division of Water
625 Broadway, 4th Floor
Albany, New York 12233-3505**

NYR
(for DEC use only)

Stormwater Discharges Associated with Construction Activity Under State Pollutant Discharge Elimination System (SPDES) General Permit # GP-0-10-001
All sections must be completed unless otherwise noted. Failure to complete all items may result in this form being returned to you, thereby delaying your coverage under this General Permit. Applicants must read and understand the conditions of the permit and prepare a Stormwater Pollution Prevention Plan prior to submitting this NOI. Applicants are responsible for identifying and obtaining other DEC permits that may be required.

- IMPORTANT -
RETURN THIS FORM TO THE ADDRESS ABOVE
OWNER/OPERATOR MUST SIGN FORM

Owner/Operator Information

Owner/Operator (Company Name/Private Owner Name/Municipality Name)

Owner/Operator Contact Person Last Name (NOT CONSULTANT)

Owner/Operator Contact Person First Name

Owner/Operator Mailing Address

City

State Zip -

Phone (Owner/Operator) - - Fax (Owner/Operator) - -

Email (Owner/Operator)

FED TAX ID - (not required for individuals)

3. Select the predominant land use for both pre and post development conditions.

SELECT ONLY ONE CHOICE FOR EACH

**Pre-Development
Existing Land Use**

- FOREST
- PASTURE/OPEN LAND
- CULTIVATED LAND
- SINGLE FAMILY HOME
- SINGLE FAMILY SUBDIVISION
- TOWN HOME RESIDENTIAL
- MULTIFAMILY RESIDENTIAL
- INSTITUTIONAL/SCHOOL
- INDUSTRIAL
- COMMERCIAL
- ROAD/HIGHWAY
- RECREATIONAL/SPORTS FIELD
- BIKE PATH/TRAIL
- LINEAR UTILITY
- PARKING LOT
- OTHER

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

**Post-Development
Future Land Use**

- SINGLE FAMILY HOME
- SINGLE FAMILY SUBDIVISION
- TOWN HOME RESIDENTIAL
- MULTIFAMILY RESIDENTIAL
- INSTITUTIONAL/SCHOOL
- INDUSTRIAL
- COMMERCIAL
- MUNICIPAL
- ROAD/HIGHWAY
- RECREATIONAL/SPORTS FIELD
- BIKE PATH/TRAIL
- LINEAR UTILITY (water, sewer, gas, etc.)
- PARKING LOT
- CLEARING/GRADING ONLY
- DEMOLITION, NO REDEVELOPMENT
- WELL DRILLING ACTIVITY *(Oil, Gas, etc.)
- OTHER

Number of Lots

--	--	--	--

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

*note: for gas well drilling, non-high volume hydraulic fractured wells only

4. Will future use of this site be an agricultural property as defined by the NYS Agriculture and Markets Law ? Yes No

5. Is this a project which does not require coverage under the General Permit (e.g. Project done under an Individual SPDES Permit, or department approved remediation)? Yes No

6. Is this property owned by a state authority, state agency, federal government or local government? Yes No

7. In accordance with the larger common plan of development or sale, enter the total project site acreage, the acreage to be disturbed and the future impervious area (acreage)within the disturbed area. Round to the nearest tenth of an acre.

Total Site Acreage	Acreage To Be Disturbed	Existing Impervious Area Within Disturbed	Future Impervious Area Within Disturbed																																																																																				
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8. Do you plan to disturb more than 5 acres of soil at any one time? Yes No

9. Indicate the percentage of each Hydrologic Soil Group(HSG) at the site.

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10. Is this a phased project?

Yes No

11. Enter the planned start and end dates of the disturbance

Start Date

/ /

End Date

- / /

12. Identify the nearest, natural, surface waterbody(ies) to which construction site runoff will discharge.

Name

12a. Type of waterbody identified in Question 12?

- Wetland / State Jurisdiction On Site (Answer 12b)
- Wetland / State Jurisdiction Off Site
- Wetland / Federal Jurisdiction On Site (Answer 12b)
- Wetland / Federal Jurisdiction Off Site
- Stream / Creek On Site
- Stream / Creek Off Site
- River On Site
- River Off Site
- Lake On Site
- Lake Off Site
- Other Type On Site
- Other Type Off Site

12b. How was the wetland identified?

- Regulatory Map
- Delineated by Consultant
- Delineated by Army Corps of Engineers
- Other (identify)

13. Has the surface waterbody(ies) in question 12 been identified as a 303(d) segment in Appendix E of GP-0-10-001?

Yes No

14. Is this project located in one of the Watersheds identified in Appendix C of GP-0-10-001?

Yes No

15. Is the project located in one of the watershed areas associated with AA and AA-S classified waters? **If no, skip question 16.**

Yes No

30. Provide the total water quality volume required and the total provided for the site.

WQv Required
 . acre-feet

WQv Provided
 . acre-feet

31. Provide the following Unified Stormwater Sizing Criteria for the site.

Total Channel Protection Storage Volume (CPv) - Extended detention of post-developed 1 year, 24 hour storm event

CPv Required
 . acre-feet

CPv Provided
 . acre-feet

31a. The need to provide for channel protection has been waived because:

Site discharges directly to fourth order stream or larger

Total Overbank Flood Control Criteria (Qp) - Peak discharge rate for the 10 year storm

Pre-Development
 . CFS

Post-development
 . CFS

Total Extreme Flood Control Criteria (Qf) - Peak discharge rate for the 100 year storm

Pre-Development
 . CFS

Post-development
 . CFS

31b. The need to provide for flood control has been waived because:

Site discharges directly to fourth order stream or larger

Downstream analysis reveals that flood control is not required

IMPORTANT: For questions 31 and 32, impervious area should be calculated considering the project site and all offsite areas that drain to the post-construction stormwater management practice(s). (Total Drainage Area = Project Site + Offsite areas)

32. Pre-Construction Impervious Area - As a percent of the Total Drainage Area enter the percentage of the existing impervious areas before construction begins.

%

33. Post-Construction Impervious Area - As a percent of the Total Drainage Area, enter the percentage of the future impervious areas that will be created/remain on the site after completion of construction.

%

34. Indicate the total number of post-construction stormwater management practices to be installed/constructed.

35. Provide the total number of stormwater discharge points from the site. (include discharges to either surface waters or to separate storm sewer systems)

APPENDIX E: INSPECTION REPORTS

FORM 4-1

**NASSAU COUNTY
PHASE II STORM WATER MANAGEMENT PROGRAM
MINIMUM CONTROL MEASURE 4:
CONSTRUCTION SITE STORM WATER RUNOFF CONTROL**

CONTRACTOR STORM WATER POLLUTION PREVENTION CERTIFICATION

I certify under penalty of law that I understand and agree to comply with the terms and conditions of the Storm Water Pollution Prevention Plan (“SWPPP”) for the construction site identified in such SWPPP as a condition of authorization to discharge Storm water. I also understand the operator must comply with the terms and conditions of the New York State Pollutant Discharge Elimination System (“SPDES”) General Permit for Storm Water Discharges from Construction Activity GP-02-01 (as updated) and it is unlawful for any person to contribute to a violation of water quality standards.

Signature

Sworn to before me

this _____ day of _____, 200__

Notary Public – State of New York, County of _____
My Commission Expires on _____.

This Certification will also have to be signed by your subcontractors.

COMPLETE THIS FORM USING BLACK INK ONLY

FORM 4-2

**NASSAU COUNTY
PHASE II STORM WATER MANAGEMENT PROGRAM
MINIMUM CONTROL MEASURE 4: CONSTRUCTION SITE STORM WATER RUNOFF CONTROL**

CHECKLIST FOR PREPARATION OF STORM WATER POLLUTION PREVENTION PLANS

SECTION A: General Information

Type of Application: <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan		Date Plan Submitted:	
Permit No.:		Date Plan Reviewed:	
Project Name:		Site Location:	
Applicant's Name:		Applicant's Address:	
Applicant's Phone No.:	Applicant's Fax No.:	Applicant's e-mail:	
Engineer's Name:		Engineer's Address:	
Engineer's Contact:		Engineer's Phone No.:	
Application for: <input type="checkbox"/> Development of a new site not previously developed <input type="checkbox"/> Redevelopment of an existing site			
Size of the area to be disturbed: <input type="checkbox"/> Greater than 5 acres <input type="checkbox"/> Less than 5 acres but greater than 1 acre <input type="checkbox"/> Less than 1 acre			

SECTION B: SWPPP Requirements

Criteria	NA	Yes	No	Comments
<ul style="list-style-type: none"> SWPPP has been filed with the application of subdivision/site plan approval Note: A SWPPP is required if any of the following conditions apply to the project: 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> The project involves construction activities that will result in land disturbance of equal to or greater than 1 acre. 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> The project will disturb less than 1 acre, but is part of a larger plan of development or sale. 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NYSDEC requires controlling such activities in the watershed where this project will be situated.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

SECTION C: General SWPPP Contents

Criteria clearly indicated and identified on plan	NA	Yes	No	Comments
General location map pinpointing the site to be disturbed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Vicinity map with a scale and north arrow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Size of the area to be disturbed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Narrative description of proposed project nature and purpose	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

SECTION D: Site-Specific SWPPP Contents

Criteria clearly indicated and identified on plan	NA	Yes	No	Comments
Site plan provided for the project	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Scale is no smaller than 1"=100'	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Scale is:				
North arrow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Legend	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Legend uses standard NYSDEC symbols	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
All existing and proposed development facilities/improvements (e.g., roads, buildings, other structures)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Total area of the site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

SECTION D continued on next page

SECTION D: Site-Specific SWPPP Contents (con't)

Criteria clearly indicated and identified on plan	NA	Yes	No	Comments
Area(s) of disturbance, including the limits of clearing and grading	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Delineation of easements	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Property boundaries	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Location of existing and proposed utility lines	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Street profiles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Existing vegetation and identified by type (e.g., grass, shrubs, trees)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Boundaries of existing predominant vegetation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Amount of the existing vegetation that will be removed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Amount of existing vegetation that will be replaced	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Type of replacement vegetation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Type of replacement vegetation: <input type="checkbox"/> Same or similar <input type="checkbox"/> Other (explained)				
Surface waters (perennial and intermittent) in the project area or close proximity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Location of waters: <input type="checkbox"/> On-site <input type="checkbox"/> Adjacent <input type="checkbox"/> Application states none present				
Wetlands in the project area or close proximity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Location of wetlands: <input type="checkbox"/> On-site <input type="checkbox"/> Adjacent <input type="checkbox"/> Application states none present				
All relevant setbacks (e.g., stream buffers, drinking water well setbacks, septic setbacks)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Existing and proposed conveyance systems (e.g., grass channels, swales and storm drains)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Proposed channel modifications shown (e.g., bridge or culvert crossings)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Drainage patterns in the project area	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
100-year flood plain and sub-areas	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Contour lines indicating existing topography	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Contour lines indicating post-construction topography	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Spot elevations in critical areas	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Pre- and post-construction topography symbols consistent with NYSDEC standards	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Location of material, waste, borrow, equipment storage and staging areas	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Location: <input type="checkbox"/> On-site <input type="checkbox"/> Off-site				
Staging areas clearly defined	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Access points with stabilization provisions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Stabilized construction entrance/exit with truck wash-down facilities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Locations of all storm water discharges within or adjacent to the site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Description of the soil present on the site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Soil boundaries	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Source of information: <input type="checkbox"/> County Soil and Water Conservation District <input type="checkbox"/> NYS Soil and Water Conservation Committee <input type="checkbox"/> Other:				

SECTION E: Construction Phasing Plan

Criteria clearly indicated and identified on plan	NA	Yes	No	Comments
Schedule showing intended sequence of construction activities for each phase of construction provided, including:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Clearing and grubbing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Excavation and grading	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Utility installation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Other infrastructure installation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Other activities that will disturb soil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Plan limits the area to be disturbed at any one time to no more than 5 acres	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

SECTION F: SWPPP Pollution Precaution Measures

Criteria clearly indicated and identified on plan	NA	Yes	No	Comments
Measures to control litter from entering storm water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Measures to control construction chemicals and debris from entering storm water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Construction and waste materials expected to be stored on-site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Controls to eliminate/reduce pollutants from these materials	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Controls include: <input type="checkbox"/> Storage Practices <input type="checkbox"/> Spill Prevention Procedures <input type="checkbox"/> Procedures for rapid response to and cleanup of any spills				

SECTION G: SWPPP Erosion and Sediment Control (ESC)

Criteria clearly indicated and identified on plan/in SWPPP	NA	Yes	No	Comments
Structural and vegetative measure that will be taken at each stage of the project from initial land clearing/grubbing to project closeout	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Purposes include: <input type="checkbox"/> Soil Stabilization <input type="checkbox"/> Runoff Control <input type="checkbox"/> Sediment Control				
Measures characterized as: <input type="checkbox"/> Temporary <input type="checkbox"/> Permanent				
Location for each ESC practice on the site plan	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Size for each ESC practice on the site plan	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Length for each ESC practice on the site plan	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Standard details and construction notes for each ESC practice on the site plan	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Traffic crossing provisions where necessary for each ESC practice on the site plan	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Dimensions for each ESC in the SWPPP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Volume for each ESC in the SWPPP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Material specifications for each ESC in the SWPPP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Installation details for each ESC in the SWPPP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Seeding rates and areas to be seeded	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Soil seed bed preparation and amendments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Seeding dates to cover the entire year for both temporary and permanent seedings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Mulch materials, rates and areas to be mulched	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Rolled erosion control practices (RECPs) that will be used, weight/tie-down mechanisms specified and areas where they will be installed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Maximum created slope is limited to 2' horizontal to 1' vertical with cut and fill slopes shown	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Notes indicate sequencing and timing provisions limit the soil exposure to 14 days	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

SECTION G continued on next page

SECTION G: SWPPP Erosion and Sediment Control (ESC) (con't)

Criteria clearly indicated and identified on plan	NA	Yes	No	Comments
Contributing drainage area	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Maintenance requirements and clean-out elevations (50% capacity)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Method by which storm drain inlets will be protected	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Silt fences on contour lines with no more than ¼-acre drainage to 100' of fence	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Siting and sizing of any temporary sediment basins	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Temporary ESC practices to be converted to permanent control measures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Implementation schedule for staging temporary ESC practices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Schedule includes timing of initial place of the practice	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Schedule includes duration for practice to remain in place	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Inspection and maintenance schedule to ensure continuous and effective operation of all sediment control practices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Names of the waters that will ultimately receive runoff from the site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Responsibilities for implementing provisions of the SWPPP for each part of the site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Structural practices to direct flows from exposed soils	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Structural practices to store flows	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Structural practices to limit runoff and the discharge of pollutants from exposed areas of the site to the degree attainable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Structural practices to stabilize existing and proposed outlets	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Existing data describing the storm water runoff at the site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

SECTION H: Conditions Requiring Additional SWPPP Information

For applications meeting any of the following conditions, the information in Section I must also be addressed in the SWPPP:	NA	Yes	No	Comments
Condition "A" – Storm water runoff from the activities proposed in the application would discharge a pollutant of concern to: <input type="checkbox"/> 303(d) list of impaired waters <input type="checkbox"/> TMDL designated watershed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Condition "B" – The activities proposed in the application would disturb 5 or more acres	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Condition "C" – The activities proposed in the application would disturb between one and 5 acres of land during the course of the project exclusive of construction of single-family residences and construction activities at agricultural properties	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

SECTION I: Additional SWPPP Information

Criteria clearly indicated and identified on plan	NA	Yes	No	Comments
Hydrologic and hydraulic analyses for all structural components of the storm water management system for the applicable design storms	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
These analyses show the methodologies used and supporting calculations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Analyses include time of concentration	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Analyses include runoff rates	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Analyses include volumes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Analyses include velocities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Analyses include water surface elevations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Analyses include routing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

SECTION I continued on next page

SECTION I: Additional SWPPP Information (con't)

Criteria clearly indicated and identified on plan	NA	Yes	No	Comments
Comparison of post-development storm water runoff conditions with pre-development conditions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Description of each post-construction storm water management practice	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Specific location of each practice	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Dimensions/size of each practice	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Final sizing calculations including contributing drainage area, storage and outlet configuration for each post-construction storm water management practice	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Material specifications for each post-construction storm water management practice	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Installation details for each post-construction storm water management practice	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Stage-discharge or outlet rating curves and inflow and outflow hydrographs for storage facilities (e.g., storm water ponds and wetlands)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Analysis of the potential downstream impacts/effects of the project	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Maintenance schedule to ensure access to all storm water management practices at the site for the purpose of inspection and repair	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Easements recorded on/in plan	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Easements remain in effect with transfer of title to the property	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Inspection and maintenance agreements binding on all subsequent landowners served by the on-site storm water management measures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For applications meeting Condition "A" above:	NA	Yes	No	Comments
SWPPP prepared by a landscape architect, certified professional (CPESC) or professional engineer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Plan signed and stamped by the professional who prepared it	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

SECTION J: Additional Comments/Notes

Form Completed By:

Name (print):	Signature:	Date:
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FORM 4-3

**NASSAU COUNTY
PHASE II STORM WATER MANAGEMENT PROGRAM
MINIMUM CONTROL MEASURE 4: CONSTRUCTION SITE STORM WATER RUNOFF CONTROL**

PROCEDURE/CHECKLIST FOR PRE-CONSTRUCTION SITE INSPECTION

INTRODUCTION: Site Inspections

<p>Prior to inspecting a construction site, the inspector should review the SWPPP that has been filed with the site plan or subdivision plat and approved by the Planning Board. He/she should become familiar with the site plans and construction drawings and details, noting the phases in which the construction will be accomplished, the limit of disturbance, sequence of construction in each phase, number and location of BMPs, basin and trap drainage areas, perimeter controls that are to be installed, outlet points and how they will be controlled.</p> <p>The inspector should endeavor to contact the project applicant's representative and the contractor that will be doing the work to set up a preconstruction meeting with these parties as well as the subcontractors that will be working on the project to ensure that all parties are on the same page as to what is required by the SWPPP and how that will be implemented.</p> <p>When entering a site to perform an inspection, the inspector should first stop at the field office, identify himself, present appropriate identification and explain the purpose of the inspection. The inspector should speak with the person in charge – the site foreman or superintendent – and ask to have that person accompany them on the inspection.</p>	<p>The inspector should walk the perimeter of the site noting the installation (or lack of) perimeter controls and noting any problems with these controls. Inspections are best begun at the lowest point at the perimeter of the site, proceeding upgrade from that point. This may help in determining if sediment is leaving the site and identifying the source from which that sediment may be coming. If sediment is leaving the site, the inspector should go far enough downstream, if possible, to determine the extent of the damage. Stabilization measures should be in place in disturbed areas that are not currently being worked on.</p> <p>Before leaving the site, the inspector should review the items noted as needing correction or modification with the person in charge and ask how they intend to correct the problem and what they estimate the time frame/deadline will be for making the correction. The Inspector shall prepare a written report summarizing the inspection results. The report should list and describe any problems found at the inspection. While he should not endorse specific products to solve these problems since the responsibility for implementing a workable solution to a compliance problem should be placed on the site owner, he might refer the person in charge to the appropriate section of the NYSDEC's "Blue Book". A copy of the inspector's report must be added to the site log book.</p>
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SECTION A: Site Information

Permit No.:		Date of Authorization:
Date of Inspection:	Time of Inspection:	Weather Conditions:
Project Name:		Site Location:
Contact at Site:		Title:
Phone No.:		e-mail:

SECTION B: Applicant's Information

Name:	e-mail:
Phone No.:	Fax No.:
Address:	

SECTION C: General Contractor's Information

Name:	e-mail:
Phone No.:	Fax No.:
Address:	

SECTION D: Engineer's Information

Name:	e-mail:
Phone No.:	Fax No.:
Address:	

SECTION E: Document Verification

Criteria	NA	Yes	No	Comments
NOI filed with NYSDEC and posted at construction site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SWPPP filed with NYSDEC and up-to-date SWPPP retained at construction site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Copy of SPDES General Permit retained at construction site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Copy of all signed Contractors' Certifications retained at construction site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Copy of all signed Subcontractors' Certifications retained at construction site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

SECTION F: Project Phasing/Sequencing of Construction

Project Type:	<input type="checkbox"/> Single phase	<input type="checkbox"/> Multi-phase	<input type="checkbox"/> Redevelopment project		
Criteria	NA	Yes	No	Comments	
SWPPP specifies construction sequence to minimize disturbance an any one time	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<ul style="list-style-type: none"> Minimizes area of soil disturbance 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<ul style="list-style-type: none"> Facilitates tracking of earth moving activities 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
SWPPP specifics temporary stabilization measures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<ul style="list-style-type: none"> Implemented early in construction 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<ul style="list-style-type: none"> Source areas stabilized 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<ul style="list-style-type: none"> Destination areas stabilized 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<ul style="list-style-type: none"> Pond construction segregated 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

SECTION G: Resource Protection

Criteria	NA	Yes	No	Comments
Construction limits clearly flagged/fenced	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Important trees and their rooting zones flagged	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Onsite septic system absorption fields flagged	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Vegetated areas suitable for filter strips (especially in perimeter) flagged	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Creek crossings installed prior to land disturbing activity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

SECTION H: Surface Water Protection

Criteria	NA	Yes	No	Comments
Clean storm water runoff diverted from areas to be disturbed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Bodies of water on site or nearby identified and protected	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Practices installed to protect on-site or downstream surface waters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Clearing and grading operations divided into areas less than 5 acres	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

SECTION I: Stabilized Construction Entrance

Criteria	NA	Yes	No	Comments
Temporary construction entrance installed properly: 20'x50' min.; filter fabric installed under #2 rock (4" to 8") pad or equivalent	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Plan for stabilization of future access areas and equipment parking areas	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Plan for regular removal of sediment tracked onto public streets	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

SECTION J: Perimeter Sediment Controls

Criteria	NA	Yes	No	Comments
Silt fences comply with standard drawings and specifications	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> • Posts are 36" min. length 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> • Posts are on downhill side of fence and 10' max. c. to c. 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> • Posts are steel or 3" square hardwood 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> • Posts are driven 16" min. into ground 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> • Fence is woven wire, 14-gauge min., 6" max. mesh spacing 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> • Fence fabric meets NYSDEC criteria Filter X, Mirafi 100X, Stabilinka T140N 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> • Height of filter fabric is 16" min. 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> • Adjoining sections of fabric overlapped by 6" and folded 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> • Filter fabric embedded 6" min. in ground, extended across trench bottom on uphill side; trench filled and tamped 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> • Filter fabric fastened to wire fence with ties at top and midsection every 24" 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> • Silt fence placed along contour levels; installed at 60' to 100' on long slopes 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Sediment/detention basin was installed as first land disturbing activity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Sediment traps and barriers are installed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

SECTION K: Pollution Prevention

Criteria	NA	Yes	No	Comments
Spill prevention and response plan in place and detailed in SWPPP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Spill response contact person identified	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Spill response kit on site and accessible	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

SECTION L: Additional Comments/Notes

SECTION M: Overall Inspection Rating

<input type="checkbox"/> Satisfactory	<input type="checkbox"/> Marginal	<input type="checkbox"/> Unsatisfactory
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Form Completed By:

Name (print):	Signature:	Date:
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FORM 4-4

**NASSAU COUNTY
PHASE II STORM WATER MANAGEMENT PROGRAM
MINIMUM CONTROL MEASURE 4: CONSTRUCTION SITE STORM WATER RUNOFF CONTROL**

PROCEDURE/CHECKLIST FOR SITE INSPECTION DURING CONSTRUCTION

INTRODUCTION: Site Inspections

Prior to inspecting a construction site, the inspector should review the latest updated copy of the SWPPP, become familiar with the site plans and construction drawings and details, note the phases in which the construction will be accomplished, the limit of disturbance, sequence of construction in each phase, number and location of BMPs, basin and trap drainage areas, perimeter controls to be installed, outlet points and how they will be controlled.

When entering a site to perform an inspection, the inspector should first stop at the field office, present appropriate identification and explain the purpose of the inspection. He/she should speak with the person in charge and ask to have that person accompany them on the inspection. The inspector should also ask to see copies of any previous inspections of the site that were conducted by the municipality or by certified inspectors engaged by the project applicant to assure that the applicant is complying with the terms of the SWPPP.

The inspector should walk the perimeter of the site noting the installation (or lack of) perimeter controls and any problems with these controls. Inspections are best begun at the lowest point at the perimeter of the site, proceeding up grade. This may help in determining if sediment is leaving the site and the source from which that sediment may be coming. If sediment is leaving the site, inspect far enough downstream, if possible, to determine the extent of the damage. Stabilization measures should be in place in disturbed areas that are not currently being worked on. Areas where final stabilization measures are installed

should not be disturbed.

The inspector should note that the BMPs that were listed/shown in the SWPPP and accompanying plans have been installed for the phases of construction that have been completed or are in progress. If any of the control practices installed in accordance with the approved SWPPP have failed, the inspector should bring this to the attention of the licensed/certified professional who prepared the plan. When an inspection shows the approved SWPPP to be ineffective in eliminating or minimizing pollutants from on-site sources or discharges that cause a substantial visible contrast to natural conditions, the inspector must inform the owner of the site or his responsible agent of their duty to amend the SWPPP. Note also any controls that appear to require maintenance.

Before leaving the site, the inspector should review the items noted as needing correction or modification with the person in charge, ask how they intend to correct the problem and what they estimate the time frame/deadline will be for making the correction. The Inspector shall prepare a written report summarizing the inspection results, and listing/describing any problems found at the inspection. While he should not endorse specific products to solve these problems since the responsibility for implementing a workable solution to a compliance problem should be placed on the site owner, he might refer the person in charge to the appropriate section of the NYSDEC's "Blue Book". A copy of the inspector's report must be added to the site log book.

SECTION A: Site Information

Permit No.:	Date of Inspection:	Time of Inspection:	Date of Last Inspection:
Project Name:	Stage of Construction:	Weather Conditions:	
Site Location:	Site Description:		
Contact at Site:	Title:		
Phone No.:	e-mail:		

SECTION B: Applicant's Information

Name:	e-mail:
Phone No.:	Fax No.:
Address:	

SECTION C: General Contractor's Information

Name:	e-mail:
Phone No.:	Fax No.:
Address:	

SECTION D: Engineer's Information

Name:	e-mail:
Phone No.:	Fax No.:
Address:	

SECTION E: Document Verification

Criteria	NA	Yes	No	Comments
NOI posted at construction site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SPDES General Permit retained at construction site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SWPPP retained at construction site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> Updated as site conditions change 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> Contains monthly/quarterly written summaries of compliance status 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

SECTION F: Area of Disturbance

Criteria	NA	Yes	No	Comments
Less than 5 acres of disturbed soil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> If no, was there prior written approval? 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Disturbance within limits of approved plans	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

SECTION G: Water Quality

Polluted discharges	<input type="checkbox"/> NA	<input type="checkbox"/> No	<input type="checkbox"/> Yes	Comments:	
Discharges show visible signs of:	<input type="checkbox"/> Sediment	<input type="checkbox"/> Floatables	<input type="checkbox"/> Oil/Grease	<input type="checkbox"/> Turbidity	<input type="checkbox"/> Other: _____
Receiving waters impacted:	<input type="checkbox"/> Lake	<input type="checkbox"/> Bay	<input type="checkbox"/> Stream	<input type="checkbox"/> Wetland	<input type="checkbox"/> Other: _____

SECTION H: General Site Conditions

Criteria	Condition*				Comments
	NA	S	M	U	
Litter/debris management	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Sediment and erosion control facilities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Impact on adjacent property	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Dust control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

* NA=Not Applicable; S=Satisfactory; M=Marginal; U=Unsatisfactory

SECTION I: Temporary Stream Crossings

Criteria	Condition*				Comments
	NA	S	M	U	
Pipe size spanning creeks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Non-woven geotextile fabric installed beneath approaches	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Aggregate fill	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Rock on approaches removes sediment from vehicles and prevents sediment from entering streams	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

* NA=Not Applicable; S=Satisfactory; M=Marginal; U=Unsatisfactory

SECTION J: Runoff Control Practices

Criteria	Condition*				Comments
	NA	S	M	U	
Excavation dewatering	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Upstream berms (one-foot min. freeboard)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Downstream berms	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Clean water from upstream pool pumped to downstream pool	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Sediment-laden water discharged to silt trapping device	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Level spreader installation (constructed on undisturbed soil)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Flow sheets do not erode downstream edge	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Interceptor dikes and swales installation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Side slopes 2:1 or flatter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Stabilized by geotextile fabric, seed or mulch	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Sediment-laden runoff is directed to sediment trapping device	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Stone check dams installation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Stable channel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Lack of a permanent pool behind dam	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Regular removal of accumulated sediment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Rock outlet protection installation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Installed concurrently with pipe installation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

* NA=Not Applicable; S=Satisfactory; M=Marginal; U=Unsatisfactory

SECTION K: Soil Stabilization

Criteria	Condition*				Comments
	NA	S	M	U	
Topsoil and stockpiles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• With vegetation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• With mulch	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Sediment control installed at toe of slope	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Revegetation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Temporary seeding and mulch applied to idle areas	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Minimum of 4 inches topsoil applied under permanent seedings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

* NA=Not Applicable; S=Satisfactory; M=Marginal; U=Unsatisfactory

SECTION L: Sediment Control Practices

Criteria	Condition*				Comments
	NA	S	M	U	
Stabilized construction entrance installation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Drainage prevents ponding	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Stone removes mud from vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• All traffic uses the entrance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

* NA=Not Applicable; S=Satisfactory; M=Marginal; U=Unsatisfactory

SECTION L continued on next page

SECTION L: Sediment Control Practices (con't)

Criteria	Condition*				Comments
	NA	S	M	U	
Silt fence installation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• On contour and 10' from toe of slope	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Not across conveyance channels	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• End stakes wrapped together at joints	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Fabric is buried min. 6"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Posts are stable, fabric is tight and not damaged	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Sediment accumulation (note % of design capacity in comments)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Storm drain inlet protection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Drainage area is less than 1 acre	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Sediment accumulation (note % of design capacity in comments)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Excavated drop inlet protection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
- 900 cu. ft. per acre of disturbed land	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
- 2:1 side slopes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Stone and block drop inlet protection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
- Concrete blocks installed lengthwise	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
- Wire screen placed between #3 crushed stone and concrete blocks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Filter fabric drop inlet protection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
- 2"x4" frame	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
- Posts (stable; spaced max. 3' apart)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
- Fabric (undamaged; embedded 1' to 1.5' below ground; stapled to frame/posts at max. spacing of 8")	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Curb drop inlet protection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
- 2"x4" frame	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
- Continuous wire mesh across throat (30" min. width, 4' longer than throat) shaped and nailed to 2"x4" weir	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
- Weir nailed to 2"x4" spacers (9" long, 6' max. apart)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
- Placed across inlet and secured by 2"x4" anchors, extending 2' across top of inlet, held in place by weights	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Temporary sediment trap installation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Geotextile fabric placed beneath rock fill	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Sediment accumulation (note % of design capacity in comments)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Temporary sediment basin installation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Side slopes stabilized with seed or mulch	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Structure flushed and surface restored upon removal of facility	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
• Sediment accumulation (note % of design capacity in comments)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

* **NA**=Not Applicable; **S**=Satisfactory; **M**=Marginal; **U**=Unsatisfactory

SECTION M: Self-Monitoring

Criteria	NA	Yes	No	Comments
Inspections occur at least every 7 calendar days	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Inspections occur at within 24 hours of any storm event of 0.5" or greater	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Effectiveness of erosion and sediment control practices is evaluated at time of inspection and documented	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Inspection reports maintained in log book at site and are available for review	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Sediment is removed from traps/ponds when design capacity is reduced by 50%	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Site inspections are being performed by a qualified inspector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Reports are properly signed/certified	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

SECTION N: Additional Comments/Notes

SECTION O: Overall Inspection Rating

<input type="checkbox"/> Satisfactory	<input type="checkbox"/> Marginal	<input type="checkbox"/> Unsatisfactory
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Form Completed By:

Name (print):	Signature:	Date:
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FORM 4-5

**NASSAU COUNTY
PHASE II STORM WATER MANAGEMENT PROGRAM
MINIMUM CONTROL MEASURE 3: ILLICIT DISCHARGE DETECTION AND ELIMINATION (IDDE)**

CHECKLIST FOR CONCRETE TRUCK WASHOUT INSPECTION

Inspected By:	Date:
Site:	
Site Contact:	
Truck Identification:	
Truck Owner:	Truck Operator:

Description	Diagram
Briefly describe the concrete truck washout system and method of waste disposal:	Draw diagram of concrete truck washout area and indicate site boundaries, storm drains, streams, etc.

Inspection			
Washout performed in designated area:	<input type="checkbox"/> Satisfactory	<input type="checkbox"/> Unsatisfactory	<input type="checkbox"/> Not Applicable
Sediment prevented from entering storm drain system, streams, open ditches, or streets:	<input type="checkbox"/> Satisfactory	<input type="checkbox"/> Unsatisfactory	<input type="checkbox"/> Not Applicable
Washout area properly maintained, emptied as necessary:	<input type="checkbox"/> Satisfactory	<input type="checkbox"/> Unsatisfactory	<input type="checkbox"/> Not Applicable
Proper disposal of concrete waste:	<input type="checkbox"/> Satisfactory	<input type="checkbox"/> Unsatisfactory	<input type="checkbox"/> Not Applicable
Wet/dry concrete materials stored under cover and away from drainage:	<input type="checkbox"/> Satisfactory	<input type="checkbox"/> Unsatisfactory	<input type="checkbox"/> Not Applicable
Corrective measures needed:			
Comments/Notes:			

Form Completed By:

Name (print):	Date:
Signature:	

FORM 4-6

**NASSAU COUNTY
PHASE II STORM WATER MANAGEMENT PROGRAM
MINIMUM CONTROL MEASURE 3: ILLICIT DISCHARGE DETECTION AND ELIMINATION (IDDE)**

CHECKLIST FOR LEAKING TRUCK INSPECTION

Inspected By:		Date:	Time:
Location:			
Lane: <input type="checkbox"/> Left <input type="checkbox"/> Center <input type="checkbox"/> Right	Direction: <input type="checkbox"/> Northbound <input type="checkbox"/> Southbound <input type="checkbox"/> Westbound <input type="checkbox"/> Eastbound		
Description of Truck:			
License Plate Number:		State:	
Truck Owner:		Truck Operator:	
DOT Placard Present: <input type="checkbox"/> Yes <input type="checkbox"/> No <i>If Yes, identify type: _____</i>		Placard ID Number:	
Driver Information (Name, address, phone):			

Description of Leak	Diagram
Rate: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> Substantial	Draw diagram of truck indicating leak and area impacted by leak including roadway, storm drains, etc.
Frequency: <input type="checkbox"/> Steady <input type="checkbox"/> Intermittent	
Impacted Area(s): <i>Check all that apply</i> <input type="checkbox"/> Roadway Surface <input type="checkbox"/> Catch Basin <input type="checkbox"/> Stream <input type="checkbox"/> Earthen Material <input type="checkbox"/> Other: _____ (Grass, soil, etc.)	
Comments/Notes:	

Actions	
<input type="checkbox"/> Notified driver; truck stopped and leak attended to.	
<input type="checkbox"/> Notified driver; truck refused to stop.	Police notification made: <input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Unable to notify driver. Yes <input type="checkbox"/> No	Police notification made: <input type="checkbox"/>
<input type="checkbox"/> Unable to obtain truck information. <input type="checkbox"/> No	Police notification made: <input type="checkbox"/> Yes
<input type="checkbox"/> No truck/source observed; only impacts of leak observed.	Police notification made: <input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Other:	
Comments/Notes:	

Form Completed By:

Name (print):	Date:
Signature:	

FORM 4-7

**NASSAU COUNTY
PHASE II STORM WATER MANAGEMENT PROGRAM
MINIMUM CONTROL MEASURE 4: CONSTRUCTION SITE STORM WATER RUNOFF CONTROL**

**PROCEDURE/CHECKLIST FOR CONSTRUCTION
SITE INSPECTION AFTER PROJECT COMPLETION**

INTRODUCTION: Site Inspections

Prior to inspecting a construction site, the inspector should review the latest update copy of the SWPPP. He/she should become familiar with the site plans and as built construction drawings and details.

When entering a site to perform an inspection, the inspector should first identify himself, present appropriate identification and explain the purpose of the inspection (routine, response to a complaint, verification of a violation). The inspector should speak with the person in charge – the owner or manager at the site and ask to have that person accompany them on the inspection. The inspector should also ask to see copies of any previous inspections of the site that were conducted by the municipality or by certified inspectors engaged by the project applicant to assure that the applicant is complying with the terms of the SWPPP.

The inspector should walk through the site noting the installation (or lack of) permanent stabilization measures and whether any sediment is leaving the site and, if possible, identify the source from which that sediment may be coming. If sediment is leaving the site, the inspector should go far enough downstream, if possible, to determine the extent of the damage.

The inspector should note that the BMPs that were listed/shown in the SWPPP and accompanying plans have been installed. If any of the control practices that were

installed in accordance with the approved SWPPP have failed, the inspector should bring this to the attention of the licensed/certified professional who prepared the plan. When an inspection shows the approved SWPPP to be ineffective in eliminating or minimizing pollutants from on-site sources or eliminating discharges that cause a substantial visible contrast to natural conditions, the inspector must inform the owner of the site or his responsible agent of their duty to amend the SWPPP. Note also any controls that appear to require maintenance.

Before leaving the site, the inspector should review the items noted as needing correction or modification with the person in charge and ask how they intend to correct the problem and what they estimate the time frame/deadline will be for making the correction. The Inspector shall prepare a written report summarizing the inspection results. The report should list and describe any problems found at the inspection. While he should not endorse specific products to solve these problems since the responsibility for implementing a workable solution to a compliance problem should be placed on the site owner, he might refer the person in charge to the appropriate section of the NYSDEC's "Blue Book". A copy of the inspector's report must be added to the site log book.

SECTION A: Site Information

Permit No.:	Date of Inspection:	Time of Inspection:
Project Name:	Weather Conditions:	
Site Location:	Date of Last Inspection:	
Contact at Site:	Title:	
Phone No.:	e-mail:	

SECTION B: Owner Information

Name:	e-mail:
Phone No.:	Fax No.:
Address:	

SECTION C: General Contractor's Information

Name:	e-mail:
Phone No.:	Fax No.:
Address:	

SECTION D: Engineer's Information

Name:	e-mail:
Phone No.:	Fax No.:
Address:	

SECTION E: Site Inspection

Observations	NA	Yes	No	Comments
Temporary construction phase erosion and sediment control measures removed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Records of maintenance and repair of storm water facilities available	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Records up-to-date	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Regular maintenance schedule for all erosion and sediment control measures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
All BMPs installed as shown on plans submitted with SWPPP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Stormwater samples taken on a regular basis	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

SECTION F: Permanent Best Management Control Structures

Structures Installed and Location: (Satisfactory, <u>M</u> arginal, <u>U</u> nsatisfactory)	Condition			Comments
	S	M	U	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

SECTION G: Sampling (if applicable)

Samples obtained at:	<input type="checkbox"/> Discharges	<input type="checkbox"/> Surface Waters	<input type="checkbox"/> Groundwater	<input type="checkbox"/> Drainage Control Facilities	
Samples show visible signs of:	<input type="checkbox"/> Sediment	<input type="checkbox"/> Floatables	<input type="checkbox"/> Oil/Grease	<input type="checkbox"/> Turbidity	<input type="checkbox"/> Other: _____
Comments:					

SECTION H: Additional Comments/Notes

SECTION I: Overall Inspection Rating

<input type="checkbox"/> Satisfactory	<input type="checkbox"/> Marginal	<input type="checkbox"/> Unsatisfactory
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Form Completed By:

Name (print):	Signature:	Date:
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APPENDIX F: CORRECTIVE ACTION LOG

APPENDIX G: LOG OF CHANGES AND UPDATES TO SWPPP

APPENDIX H: SUBCONTRACTOR CERTIFICATIONS/AGREEMENTS

APPENDIX H: Subcontractor Certifications/Agreements

SUBCONTRACTOR CERTIFICATION STORMWATER POLLUTION PREVENTION PLAN

Project Number: _____

Project Title: _____

Operator(s): _____

As a subcontractor, you are required to comply with the Stormwater Pollution Prevention Plan (SWPPP) for any work that you perform on-site. Any person or group who violates any condition of the SWPPP may be subject to substantial penalties or loss of contract. You are encouraged to advise each of your employees working on this project of the requirements of the SWPPP. A copy of the SWPPP is available for your review at the office trailer.

Each subcontractor engaged in activities at the construction site that could impact stormwater must be identified and sign the following certification statement:

I certify under the penalty of law that I have read and understand the terms and conditions of the SWPPP for the above designated project and agree to follow the BMPs and practices described in the SWPPP.

This certification is hereby signed in reference to the above named project:

Company: _____

Address: _____

Telephone Number: _____

Type of construction service to be provided: _____

Signature: _____

Title: _____

Date: _____

APPENDIX I: GRADING AND STABILIZATION ACTIVITIES LOG

APPENDIX J: SWPPP TRAINING LOG

APPENDIX J: SWPPP Training Log

Stormwater Pollution Prevention Training Log

Project Name: _____

Project Location: _____

Instructor's Name(s): _____

Instructor's Title(s): _____

Course Location: _____ Date: _____

Course Length (hours): _____

Stormwater Training Topic: *(check as appropriate)*

- | | |
|--|---|
| <input type="checkbox"/> Erosion Control BMPs | <input type="checkbox"/> Emergency Procedures |
| <input type="checkbox"/> Sediment Control BMPs | <input type="checkbox"/> Good Housekeeping BMPs |
| <input type="checkbox"/> Non-Stormwater BMPs | |

Specific Training objective: _____

Attendee Roster: *(attach additional pages as necessary)*

No.	Name of Attendee	Company
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

APPENDIX K: DELEGATION OF AUTHORITY FORM

APPENDIX K: Delegation of Authority Form

Delegation of Authority

I, _____ (name), hereby designate the person or specifically described position below to be a duly authorized representative for the purpose of overseeing compliance with environmental requirements, including the Construction General Permit, at the **New Commissary Facility, Naval Station New York, Mitchel Field** construction site. The designee is authorized to sign any reports, stormwater pollution prevention plans and all other documents required by the permit.

_____ (name of person or position)
_____ (company)
_____ (address)
_____ (city, state, zip)
_____ (phone)

By signing this authorization, I confirm that I meet the requirements to make such a designation as set forth in Appendix G, Subsection 11.A of EPA's Construction General Permit (CGP), and that the designee above meets the definition of a "duly authorized representative" as set forth in Appendix G, Subsection 11.B (1-3).

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: _____

Company: _____

Title: _____

Signature: _____

Date: _____

APPENDIX L: ENDANGERED SPECIES AND HISTORIC PRESERVATION DOCUMENTATION

DEPARTMENT OF DEFENSE
DEPARTMENT OF THE NAVY

FINDING OF NO SIGNIFICANT IMPACT (FONSI) FOR MITCHEL FIELD
COMMISSARY, HEMPSTEAD, NEW YORK

Pursuant to Council on Environmental Quality (CEQ) regulations (40 Code of Federal Regulations [CFR] Parts 1500-1508) implementing the National Environmental Policy Act, and Navy regulations (32 CFR Part 774) and Chief of Naval Operations Instructions 5090.1C, the Department of the Navy (Navy) gives notice that an Environmental Assessment (EA) has been prepared and an Environmental Impact Statement (EIS) is not required for construction of the Mitchel Field Commissary at Hempstead, New York.

Proposed Action: The Proposed Action is to construct and operate a new commissary at Mitchel Field to support the military families who live on Long Island, New York.

The purpose of the proposed action is to construct and operate a new commissary with parking at Mitchel Field. A new commissary is needed because Buildings 84 and 35, which provide facilities for existing commissary operations and cold storage, are outmoded with escalating maintenance costs. Constructed more than 70 years ago, these buildings have surpassed their expected life-cycle and deteriorate further each year. As a result, the increasing cost for repairs and maintenance are correlated to a decrease in the value of the functions that can be accomplished for that cost.

Existing Conditions: Mitchel Field is located in the town of Hempstead, New York, which is in western Long Island near Garden City. Over the years, most of the original Mitchel Field property has been deeded to local, county and state agencies or placed in a Public-Private Venture (PPV) leaving roughly 8 acres (ac) for military use. The Navy and a private entity formed a PPV, in the form of a Limited Liability Corporation to own, operate, and manage the 42 ac of military family housing and other facilities at Mitchel Complex (Mitchel Field and Mitchel Manor).

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Mitchel Field was determined eligible for listing on the National Register of Historic Places (NRHP) as a historic district by a consensus determination between the Navy and the NY State Historic Preservation Office (SHPO) in 2002. There are no NRHP-eligible archaeological sites or areas of archaeological sensitivity at Mitchel Field.

Alternatives Analyzed: Two alternatives and the No Action Alternative were considered for this EA.

Alternative 1 - Preferred Alternative: Alternative 1 involves construction and operation of a new one-story 27,000 square foot commissary facility along with 164 parking spaces. The new commissary would be sited on the Navy parcel south of the existing Navy Exchange.

Alternative 2: Alternative 2 also involves the construction and operation of a new one-story 27,000 square foot commissary in a slightly different configuration from Alternative 1, which provides 129 parking spaces.

No Action Alternative: Under the No Action Alternative, a new commissary would not be constructed. Ultimately, the No Action Alternative cannot support the needs of military families that use the existing commissary. This alternative does not meet the purpose and need for the proposed action. The No Action Alternative would not result in changes to existing conditions; therefore, no environmental impacts would occur.

Environmental Effects: The following is a summary of the environmental consequences of the Proposed Action:

Land Use: Local zoning is not enforceable at Mitchel Field because it is on federally owned property. The vicinity is urbanized by institutional, commercial, and industrial uses. The Preferred Alternative (Alternative 1) involves the construction of a new one-story 27,000 SF commissary. The activities associated with the Preferred Alternative will be consistent with existing land use; therefore, no changes or impacts to land use will occur.

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Socioeconomics: Socioeconomic characteristics in Nassau County will not be significantly impacted under the Preferred Alternative in terms of demographics or environmental justice. Construction spending for the new commissary will result in short-term, minor economic benefits to the local economy.

Community Facilities and Services: The Preferred Alternative lacks the potential for significant impacts to community facilities and services, including emergency services. There will be no influx of personnel associated with the new commissary. Therefore, there will be no increase in demand for community facilities and services.

Infrastructure and Utilities: Under the Preferred Alternative, infrastructure will continue with the current utility providers. The demand for water, wastewater treatment, electricity, natural gas, and solid waste disposal will be met by the current providers without impacts to existing capacity. Connections to infrastructure will need to be made for water, wastewater, electricity and natural gas. Services may be interrupted during this time, but this will be short-term and temporary. Stormwater management will be designed and constructed in accordance with Nassau County Department of Public Works standards.

Air Quality: The construction activities associated with the Preferred Alternative will occur during 2011. The project is expected to involve a construction footprint of approximately 2.3 acres. There will be short-term, temporary air emissions primarily due to heavy equipment operating during construction.

Noise: No significant noise impacts will occur under the Preferred Alternative. There will be temporary construction related noise from the use of heavy equipment for site preparation and development, which will cease once the construction phase has been completed.

Transportation and Traffic: Under the Preferred Alternative, the change in traffic movement and access will result in minimal impacts to nearby intersections and the increase in traffic associated with the new facilities will be negligible. Additionally, the consolidation of parking to serve both the new commissary and existing Navy Exchange will eliminate current automobile traffic movement that occurs between the two sites.

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Cultural Resources: The Preferred Alternative will have no significant adverse impact on architectural resources. Under the Preferred Alternative, the Navy is proposing to build a new commissary and associated parking. No demolition or alteration of any historic properties will be required for the new commissary, and the proposed new commissary will be designed in such a manner that it is architecturally sympathetic (i.e. visually compatible) to adjacent, existing, eligible historic resources in the Mitchel Field Historic District. For these reasons, the Navy concluded that Alternative 1 will have no adverse effect on historic properties. The New York State Historic Preservation Officer (SHPO) was contacted twice, once by a letter dated 05 Feb 10, and by eMail dated 01 Apr 10, and did not respond to either transmittal of the correspondence within the typical 30-day comment period; therefore, the Navy assumes that the New York SHPO concurs with the finding that Alternative 1 would have no adverse effect on historic properties.

Once the new commissary is built and operational, the Defense Commissary Agency will transfer their operations out of the existing commissary and cold storage and the Navy would maintain and manage these buildings on its property inventory, as an element of the Mitchel Field Historic District.

Topography, Geology, and Soils: The amount of grading, excavating, and leveling involved with the Preferred Alternative will not significantly alter the topography or geology of the Mitchel Field site. Soils at Mitchel Field have been previously developed and disturbed in the past. Best Management Practices (BMPs) such as temporary sedimentation basins and silt fences, will be used to minimize erosion and sedimentation of exposed soils during the construction phase.

Water Resources: There are no surface water features, including wetlands or floodplains on or in the vicinity of Mitchel Field. No significant impacts to groundwater are anticipated.

Vegetation, Wildlife, and Threatened and Endangered Species: No impacts to vegetation are expected for the Preferred Alternative. The portion of Mitchel Field that will be disturbed by construction activities under the Preferred Alternative does not provide a diverse habitat for wildlife because it has been intensely developed. Populations of

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migratory birds will not be affected. There is no potential for impacts to threatened or endangered species because the project area does not support any protected species and lacks suitable habitat.

Hazardous Materials and Waste: Under the Preferred Alternative, the construction and operation of the new commissary would not result in significant impacts to hazardous materials and waste. There are no known contaminated sites that will pose a threat to the project area. There would be no disturbance of asbestos containing materials and materials containing regulated levels of lead. There are no underground or aboveground storage tanks present on the project site location. In addition, there are no known hazardous materials and waste on the parcel where the proposed commissary will be built.

Human Health and Safety: Under Alternatives 1, the construction of a new commissary would have a beneficial impact on human health and safety as personnel and customers would no longer be at risk of exposure to hazardous substances found in the existing commissary.

Aesthetics: Under Alternative 1, the construction activities would result in temporary visual impacts. The architectural design of the new structure would be visually compatible with the historic character of the historic district. No significant impacts to aesthetics would occur.

Findings: Based on the analysis presented in the EA, and coordination with U.S. Fish and Wildlife, the New York Department of Environmental Conservation's Fish, Wildlife and Marine Division, New York's State Historic Preservation Officer, and the Advisory Council on Historic Preservation, the Navy finds that the implementation of the Proposed Action would not significantly impact the quality of the human or natural environment or generate significant controversy.

The EA prepared by the Navy addressing this action is on file and interested parties may obtain a copy from: Mr. Richard Conant, at PWD Environmental Division Director, Naval Submarine Base New London, Building 439, Room 104, Box 400, Route 12, Groton, CT 06349, by telephone at (860) 694 - 5649, by fax at

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(860) 694 - 5320, or by eMail at Richard.Conant@navy.mil.. A limited number of copies of the EA are available to fill single copy requests.

12 AUG 2010

Date



M. S. BOENSEL

Rear Admiral, U. S. Navy

Commander

Navy Region, Mid-Atlantic

APPENDIX M: INSPECTOR'S QUALIFICATIONS