NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

STORMWATER POLLUTION PREVENTION PLAN

for the

Decontamination and Demolition of Air Force Plant 59
Town of Union, New York

Prepared for:

Air Force Civil Engineer Center (AFCEC)
772D Enterprise Sourcing Squadron/ESS/PKS
2261 Hughes Avenue, Suite 163
JBSA Lackland, TX 78236-9853

US Department of the Air Force
Building 12 AFLCMC/WNV
Wright Paterson AFB, Ohio 45433

Prepared by:

LiRo Engineers, Inc.
Three Aerial Way
Syosset, New York 11791
July 1, 2016 (Revised)

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

MS4 Stormwater Pollution Prevention Plan (SWPPP) Acceptance Form

for

Construction Activities Seeking Authorization Under SPDES General Permit

*(NOTE: Attach Completed Form to Notice Of Intent and Submit to Address Above)

I. Project Owner/Operator Information	
1. Owner/Operator Name:	United States Air Force
2. Contact Person:	Alex Briskin (937) 904-3713
3. Street Address:	Building 12 AFLCMC/WNV
4. City/State/Zip:	Wright Paterson AFB, Ohio 45433
II. Project Site Information	
5. Project/Site Name:	Air Force Plant (AFP) 59
6. Street Address:	600 Main Street
7. City/State/Zip:	Johnson City, NY 13790
III. Stormwater Pollution Prevention Plan (SWPPP) Review and Acceptance Information	
8. SWPPP Reviewed by:	Robert A. Bennett, P.E.
9. Title/Position:	SWPPP Reviewer
10. Date Final SWPPP Reviewed and Accepted:	
IV. Regulated MS4 Information	
11. Name of MS4:	Town of Union
12. MS4 SPDES Permit Identification Number: NYR20A	050
13. Contact Person:	Daria Golazeski
14. Street Address:	3111 E. Main Street
15. City/State/Zip:	Endwell, NY 13760
16. Telephone Number:	607-786-2921

(NYS DEC - MS4 SWPPP Acceptance Form - January 2010)

MS4 SWPPP Acceptance Form - continued

V. Certification Statement - MS4 Official (principal executive officer or ranking elected official) or Duly Authorized Representative

I hereby certify that the final Stormwater Pollution Prevention Plan (SWPPP) for the construction project identified in question 5 has been reviewed and meets the substantive requirements in the SPDES General Permit For Stormwater Discharges from Municipal Separate Storm Sewer Systems (MS4s).
Note: The MS4, through the acceptance of the SWPPP, assumes no responsibility for the accuracy and adequacy of the design included in the SWPPP. In addition, review and acceptance of the SWPPP by the MS4 does not relieve the owner/operator or their SWPPP preparer of responsibility or liability for errors or omissions in the plan.

Printed Name:	ROBERT A BENNETT, P.E.
Title/Position:	TOWN SWPPP REVIEWER
Signature:	R.A. Bennett
Date:	8/3/2016

VI. Additional Information

town of union

3111 E. Main Street – Endwell, NY 13760-5990
Phone (607) 786-2900
Phone (Voice/TTY) 786-2924
Fax (607) 786-2998

August 3, 2016

Michael F. Lydle, PE
LiRo Engineers, Inc.
690 Delaware Avenue
Buffalo, NY 14209

RE: Greater than 5 acre Disturbance
United States Air Force Plant 59
600 Main Street
Town of Union

Dear Mr. Lydle:

In response to your request for the Town of Union to grant permission to disturb an area greater than five (5) acres, please consider this correspondence as the Town's permission contingent on the following conditions:

- Mulch areas that have been disturbed and will not be disturbed again for more than seven (7) days.
- Utilize the detention basin and forebays as temporary sediment traps during construction.
- Supply the SWPPP inspection reports to Daria Golazeski, Town of Union Codes & Ordinances via email (dgolazeski@townofunion.com) each day the reports are complete.
- The contractor addresses any SWPPP related issues the same day that they are informed by the SWPPP inspector.

Failure to comply with the aforementioned conditions will result in a stop -work order until all stormwater issues have been addressed to the satisfaction of the Town of Union.

Sincerely,

R A Bennett

Robert A. Bennett, P.E.
Town of Union SWPPP Reviewer

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FIGURES

(Located after Text)

APPENDICES

1.0 Introduction

LiRo Engineers, Inc. (LiRo) has prepared this Stormwater Pollution Prevention Plan (SWPPP) for the project titled Decontamination and Demolition Work at Air Force Plant (AFP) 59, 600 Main Street, Union, NY. The SWPPP is prepared in accordance with the requirements of Article 17, Titles 7, 8 and Article 70 of the New York State Environmental Conservation Law to obtain coverage by the State Pollution Discharge Elimination Permit (SPDES) General Permit for Stormwater Discharge from Construction Activities (GP-15-02-002). A construction Notice of Intent (NOI) will be filed with the New York State Department of Environmental Conservation (NYSDEC) and the Town of Union.

Due to the extensive damage associated with Hurricane Irene and Tropical Storm Lee, AFP 59 will be remediated, demolished and the land transferred to the Broome County Industrial Development Agency (BCIDA) (U.S. Army Engineering and Support Center, Huntsville [USAESCH], 2013a). The primary objective of this project is to abate and demolish all building facilities, parking areas, ancillary equipment, etc. within the boundaries of AFP 59 and associated properties. The demolition project and related activities are not part of the installation restoration program being performed at the site.

2.0 Permit Assessment

The initial construction phase will involve demolition and disposal of the existing buildings down to the concrete slab foundations. This initial phase of work will not disturbed any ground surfaces or soils and the area. A SWPPP is not required for this phase of work. Stormwater Water management objectives to be employed during this phase include the following:

- Control and manage surface water in every area where work activities take place.
- Prevent surface water from areas which have not been disturbed from entering areas where work is in progress.
- Collect, treat and/or dispose any decontamination water.
- Minimize disturbance to areas surrounding the building.
- Terminate and seal all internal and external building drains, and implement inlet protection measures for all external drainage structures. All oil-water separators will remain in service and be protected during the initial phase of the demolition (aboveground demolition). They will be removed or abandoned in place prior to any site restoration activity.

Post building removal phase will include removal of all existing concrete slab foundations and impermeable parking surfaces. Due to the size of the project (27.2 acres), coverage under the NYSDEC *SPDES General Permit for Stormwater Discharges from Construction Activity* (Permit No. GP-15-02-002) will be required.

The SPDES permit requirements include preparing a SWPPP; filing a Notice of Intent (NOI); and filing a Notice of Termination (NOT). The SWPPP consists of a narrative and an Erosion and Sediment Control Plan. The construction activity proposed by this project, (Demolition project where vegetation will be established and no redevelopment is currently planned) is listed in Table 1 of Appendix B of the *SPDES General Permit for Stormwater Discharges from Construction Activity, Permit No. GP-15-02-002*. As such, the SWPPP is only required to include erosion and sediment controls

A Stormwater Management Plan including measures for water quality is not required because site redevelopment is not currently planned in this project. Based on site reconnaissance and information obtained from the NYSDEC's Stormwater Mapper, the Site is located within an area subject to the requirements of a regulated, traditional land use control Municipal Separate Storm Sewer System (MS4).

An application for permit under the Environmental Conservation Law Article 16, Flood Control Land Use, will be needed.

3.0 Facilities Description

3.1 Site Location

AFP 59 is located at 600 Main Street, Union, New York and is bounded to the north by Main Street (SR-17C) and Riverside Drive and NY Rte-201 to the east and Avon Street to the west.

AFP 59 occupies approximately 27.2 acres in the Town of Union, New York. Facilities located within AFP 59 include: numerous aboveground structures, paved parking areas, and limited green space. AFP 59 is located in a medium- to high-density developed area, with residential facilities located west and east of the facility. The site is also bound by the Little Choconut Creek to the east and south. A site location map is included as Figure 1.

AFP 59 is located within the Appalachian Plateau Physiographic Provence. AFP 59 is relatively flat with elevation changes ranging from 830 to 840 feet (ft.) above mean sea level (msl) (Argonne, 1995). Little Choconut Creek is located to the east and west of the facility. A levee with flood control appurtenances was constructed under the, “NYSDEC Flood Protection, Endicott Unit 1, Westover” project is located in easements along the east and south property lines.

3.2 Scope of Work

The primary objective of this project is to decontaminate and demolish (D&D) the buildings and associated facilities on the AFP59 project site and restore the site to undeveloped condition (graded site with maintained grass). The objectives for this work will be met when the following are accomplished.

The initial phase of work will involve demolition of all buildings to the building foundation slab. During the initial phase no below grade disturbance will occur or removal of any parking areas, ancillary equipment, fencing, and lighting etc. within the boundaries for AFP 59. Initial storm water management objectives will be met by plugging all building drains and providing inlet protection for existing drainage structures and installing silt fence or sock around the perimeter of the property. Paved parking surfaces will be used as staging areas for material segregation, crushing operations, and equipment storage. No impact to the existing 24” RCP sanitary pipe traversing the property and under the existing building is anticipated. All necessary precautions including protection of sanitary manholes will be implemented as part of the demolition plan by others.

Implementation of SWPPP components with applicable erosion and sediment control practices will be maintained and expanded as necessary during removal of the asphalt parking areas and building foundations/slabs and will be maintained throughout construction activities. The concrete

building foundation and floor and other slabs will be recycled on site and used to fill areas of soil remediation, foundation excavations and any remaining recycled material will be utilized as fill material in the final grading plan provided it meets NYSDEC Part 375 Supplemental Soil Cleanup Objectives for Residential Use. The Site will be finish graded with topsoil and seeded to produce maintainable grass. The existing catch basins will be removed or abandoned in place with the exception of those bordering the flood control fenced area that can be retained in the final grading plan. The oil/water separators will be pumped clean of any residual liquids or material and be taken to an approved decontamination facility. The separators will be removed or abandoned in place per details as approved by NYS DEC and US Air Force. The levee system and appurtenances, including the chain link fence, will not be disturbed during the construction project and will be left unchanged.

3.3 Existing Drainage Conditions

The existing topography at the site is relatively flat and predominately consists of concrete and asphalt surfaces surrounding AFP 59 structure. A narrow strip of undeveloped land, that includes a levee system on the south side of the property, separates the hard surfaces from the Little Choconut Creek on the south and east.

The existing storm water collection system is a closed system consisting of catch basins and various sizes piping throughout the site. The closed system collects surface runoff from the paved areas and roof runoff from the building. Several of the structures are configured as oil/water separators. The collected runoff flows through the system and is collected in three (3) large pipes on the south side of the site. These pipes were installed as part of the flood control project constructed in the 1940's.

3.4 Wetlands and Bodies of Water

Based on available on-line mapping of state wetlands, the Site is not located within or adjacent to a NYSDEC State-Regulated Freshwater Wetland. A map from the NYSDEC website showing that no State wetlands are located in the area is included in Appendix D of this report.

AFP 59 borders the Little Choconut Creek, which is east and south of the project site. The creek is a tributary of the Susquehanna River, which is located approximately 800 feet west. Choconut Creek is not identified as a 303 (d) segment in Appendix E of GP-15-02-002.

This project is not located in one of the watersheds identified in Appendix C of GP-15-02-002.

3.5 Critical and Environmentally Sensitive Areas

According to the NYSDEC On-line Environmental Resource Mapper, the Site is located within an area that may contain rare plants, rare animals, or any other significant natural communities. The project is within a highly developed site and no nearby flora and fauna areas will be impacted by this project. Documentation from the NYSDEC website is included in Appendix E.

3.6 Historic Places-Cultural Resources

The AFP 59 complex, including the manufacturing building to be demolished, is a National-Register eligible structure. The New York State Historic Preservation Office has stated that the manufacturing facility is not suitable for rehabilitation and that demolition is acceptable provided that a suitable Memorandum of Agreement which outlines procedures to be taken to document the historic characteristics of the building. The USAF and the State Historic Preservation Office have agreed to the terms and conditions of the Memorandum of Agreement and the USAF will implement the provisions of the agreement prior to the demolition of the building (USAF, 2013).

An Archaeology Report was finalized in 1996 which concluded that there was a low probability of archaeological resources at the plant. The State agreed with the conclusion in this report and no cultural or archeological resources are expected to be impacted by the proposed work activities (Earth Tech, 2000).

3.7 Site Soil and Groundwater Properties

AFP 59 is located within the Susquehanna River basin. The facility is underlain by Pleistocene-age glacial deposits at of approximately 75 to 100 ft. These deposits consist of sand, gravel, silt, and clay and began forming approximately 18,000 years ago. The stratigraphy at the site generally consists of 2 to 5 ft. of artificial fill, 3 to 34 ft. of glacial outwash deposits, 0 to 54 ft of fine-grained glacial deposits, and 15 to 64 ft. of ice-contact deposits (AECOM, 2011). A thin layer of fine-grained alluvium from the Little Choconut Creek caps the eastern portion of the site. In the northwestern portion of AFP 59, ashy fill grading to course-grained alluvium overlays the glacial deposit. Underneath the bedrock, a thin mantle of glacial till is present. The bedrock becomes deeper and slopes downward toward the northeast (CH2MHill, 1984).

The majority of soils at AFP 59 consist of silty alluvial materials (AECOM, 2011). Soil types associated with the Appalachian Plateau include: Utisols and Inceptisols (ITSI, 2009).

3.8 Pollutant Source Control

Litter, construction fuels and lubricants and construction debris exposed to stormwater will be managed using standard practices to prevent them from becoming a pollutant source in stormwater discharges.

3.9 Storage of Materials

All construction materials and construction waste generated from Site activities will be stored and disposed of, as applicable, in compliance with all Federal, State and local regulations. When these regulations differ, the most stringent shall be used.

4.0 Construction Stormwater Management Controls

The purpose of this section is to identify the stormwater management objectives and the types of temporary and post demolition erosion and sediment controls that will be used on site.

4.1 Objective

The following storm water management objectives will be employed for this project:

- Prevent tracking of mud, sediment, debris, etc. from construction areas onto public roadways;
- Restrict any infiltration of fluids into interior building storm drains;
- Control and manage surface water in every area where work activities take place;
- Prevent surface water from areas which have not been disturbed from entering areas where work is in progress;
- Provide sediment and erosion control measures to mitigate the potential for any water quality concerns during demolition and restoration work and post construction.
- Control dust generation through watering.

4.2 Temporary and Permanent Erosion Control Practices

To limit soil migration, the following measures will be implemented pre building demolition and post building demolition.

1. Pre-Building Demolition:
    a. Identify and maintain an access to the site from existing paved entrances.
    b. Plug all interior floor drains with impervious material to prohibit discharge.
    c. Install drainage structure inlet sediment control measures.
    d. Install silt fencing or sock around the entire perimeter of the project site prior to any concrete or soil removal. (Appendix F).
    e. Develop a strategic maintenance plan to ensure all measures are and remain highly functional, including removal of silt to maintain a minimum of 50% storage capacity.
2. Post-Building Demolition:
    a. Maintain silt fencing around the entire perimeter of the project site.

b. Maintain and modify as necessary any drainage structure inlet protection. Inlet protection in non-hard surfaces will comply with the, “Blue Book” details.

c. Develop a strategic maintenance plan to ensure all measures are and remain highly functional, including removal of silt to maintain a minimum of 50% storage capacity.

d. Final grading of the site will maintain the approximate existing slope but grades will be change to accommodate fill material and to provide a continuous slope to the south end of the site. Depressions caused by the removal of building slab foundation and paved surfaces will be filled with recycled material and topped dress with less than four (4”) inches of top soil to facilitate a positive strand of grass. Site grading will direct runoff to the existing drainage system installed as part of the flood control system for Little Choconut Creek. No encroachment of existing easement or impacts to flood control measure is being proposed. All existing flood control measures and appurtenances are to remain.

4.3 Construction Practices to Minimize Stormwater Contamination

All waste materials will be collected and stored in a securely lidded metal dumpster supplied by a waste hauler, which is a licensed solid waste management company or removed immediately from the site and disposed of at an approved licensed waste landfill. All trash and construction debris from the site shall be deposited in the dumpster and emptied on an as-needed basis. Any sanitary waste for portable sanitary units on site will be collected by a licensed sanitary sewer waste management contractor and properly disposed of. Good housekeeping and spill control measures are to be followed during all construction activities. The paved street at the site entrance will be swept daily to remove any excess mud, dirt rock or debris tracked from the site.

Petroleum spills must be reported to the NYSDEC, unless they meet ALL of the following criteria:

1. The spill is known to be less than 5 gallons.
2. The spill is contained and under control of the spiller.
3. The spill has not and will not reach the State’s water or any land.
4. The spill is cleaned up within 2 hours of discovery.

All reportable petroleum spills and most hazardous spills must be reported to the NYSDEC hotline (1-800-457-7362) and the National Response Center (1-800-424-8802).

Report the spill to local authorities, if required. For spills not deemed reportable, facts concerning the incident shall be documented by the spiller and a record maintained for one year or as required.

4.4 Construction Sequence

The sequence of construction is critical to minimizing erosion and sedimentation. The following sequence is to be followed:

1. Initial Phase: Building Demolition, No ground disturbance.

    a. Conduct a pre-construction meeting with the Site Contractor, Engineer and other interested parties.

    b. Identified site erosion and sediment control competent person responsible for the installation, maintenance and documenting of all measures as necessary

    c. Clearly delineate a stabilized construction entrance for safe egress and access points. Existing paved surfaces will be utilized in the initial phase.

    d. Install perimeter construction fences as necessary.

    e. Install Silt fence protection or sock around perimeter of project site.

    f. Install inlet/outlet protections.

    g. Plug all interior drains.

    h. Exercise extreme care and protect existing 24” RCP sanitary sewer pipe located approximately 17’ below finish floor elevation. Protect sanitary manholes.

    i. Demolish building and remove debris from site.

2. Post Build Demolition Phase: Re-establish site to pre-development Condition. This Phase is assumed to be from sub-structure removal to site restoration. The expected duration for this phase is estimated as eight (8) weeks.

    a. Maintain Safe egress and access points either on existing paved surface or construct a temporary stabilized construction surface immediately after removal of the paved surfaces.

    b. Maintain perimeter construction fences as necessary.

    c. Maintain silt fences around perimeter of site.

    d. Maintain inlet protection for storm sewers as necessary.

    e. Remove all hard surfaces including but not limited to foundations and paved surfaces. Concrete is to be recycle for utilization of backfill material and the final grading plan.

    f. Modify, remove, abandon, and/or install subsurface storm sewer piping and catch basins in accordance with the sites post demolition grading plan.

g. Remove existing light poles in their entirety and backfill voids with granulated bentonite in not more than one-foot increments to within two feet of final grade. Cap remaining two-foot void with suitable earthen material to permit vegetation growth.

h. Clear and rough grade site.

i. Adjust sanitary manholes to grade.

j. Provide final grading per grading plan to direct all surface flow to enter catch basins or existing ditch at the southern property line.

k. Use NYSDEC approved seed and mulch entire area. (Refer to Appendix F)

l. Remove any construction fences.

m. Maintain sediment and erosion control devises until a satisfactory strand of turf is established and/or as directed.

5.0 Water Quality and Water Quantity Control Plan

A Stormwater Management Plan including measures for water quality and water quantity is not required because site redevelopment is not included in this project and rough grading and vegetation will be established.

6.0 Implementation and Compliance

The persons responsible for implementation of the SWPPP and inspection:

Prime Contractor:

CB&I
2410 Cherahala Blvd.
Knoxville, TN 37932

Sub-Contractors:

Gorick Construction
27 Track Drive
Binghamton, NY 13904

Northstar Federal Services, Inc.
1992 Saint Street
Richland, WA. 99354
865-384-6789

On-Site Implementation and Compliance:

DEMCO Inc,
7397 Seneca Street
East Aurora, NY 14952

LiRo Engineers, Inc.
690 Delaware Ave.
Buffalo, NY 14209
Phone: 716-882-5476

Copies of the written summaries of compliance status will be included in an updated plan. Updated plans and required reports will be signed/certified as required.

Each contractor and subcontractor responsible for installing, constructing, repairing, inspecting or maintaining any of the erosion and sediment control practices identified in this SWPPP will be required to sign a copy of the SWPPP Certification Statement. A copy of the SWPPP Certification Statement is included in Appendix J.

7.0 Construction Schedule

Commencement of work at the site is dependent on issuance of all permits by the respective governing regulating agencies. Upon approvals, all erosion and sediment control measure as identified in the approved SWPPP will be implemented prior to any construction activities. The Post Build Demolition Phase is assumed to be from sub-structure removal, soil remediation/removal to site restoration. The expected duration for this phase is estimated as eight (8) weeks.

8.0 Inspection and Maintenance Plan

When 5 acres or less of soil are disturbed at one time, all temporary erosion and sediment control practices will be checked by a qualified individual for stability and operation following every rainfall greater than ½-inch but in no case less than once every seven (7) calendar days. Any needed repairs will be made immediately to maintain all practices as designed and installed.

If the Contractor intends to disturb greater than 5 acres of soil at one time, he will first receive permission to do so from the NYSDEC. When greater than 5 acres of soil are disturbed at one time, all temporary erosion and sediment control practices will be checked by a qualified inspector for stability and operation at least twice every seven (7) calendar days for as long as greater than five acres of soil remain disturbed, and until final stabilization (80% density) has occurred. The two inspections shall be separated by a minimum of two (2) full calendar days. Any needed repairs will be made immediately to maintain all practices as designed and installed.

A qualified inspector will prepare an inspection report subsequent to each and every inspection. At a minimum, the qualified inspector will 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 in compliance with the SWPPP;
- all areas of disturbance that have not achieved final stabilization for evidence of soil erosion, potential of pollutants entering drainage systems, problems at discharge points, signs of soil and mud transport from the Site to the public road at the entrance, etc.; and
- all points of discharge from the construction site.

Within one (1) business day of the completion of an inspection, the qualified inspector will notify the owner and the appropriate contractor/subcontractor of any corrective actions that need to be taken.

Sediment will be removed from the sediment traps and the traps restored to their original dimensions when the sediment has accumulated to ½ of the design depth of the trap.

Sediment will be removed from behind silt fence when it becomes about one-half foot deep at the fence. The sediment fence will be repaired as necessary to maintain a barrier.

Adjacent paved work areas, sidewalks, and pedestrian walkways will be inspected daily and will be swept as necessary to remove excess dirt, mud, or debris tracked from the Site. Dump trucks hauling material from the construction site will be covered with tarpaulin.

Stabilized construction entrances/exits will be maintained using the existing asphalt/concrete entrance driveways in a condition which will prevent tracking of sediment onto public rights-of-way or streets. All sediment spilled, dropped, or washed onto public rights-of-way must be removed immediately.

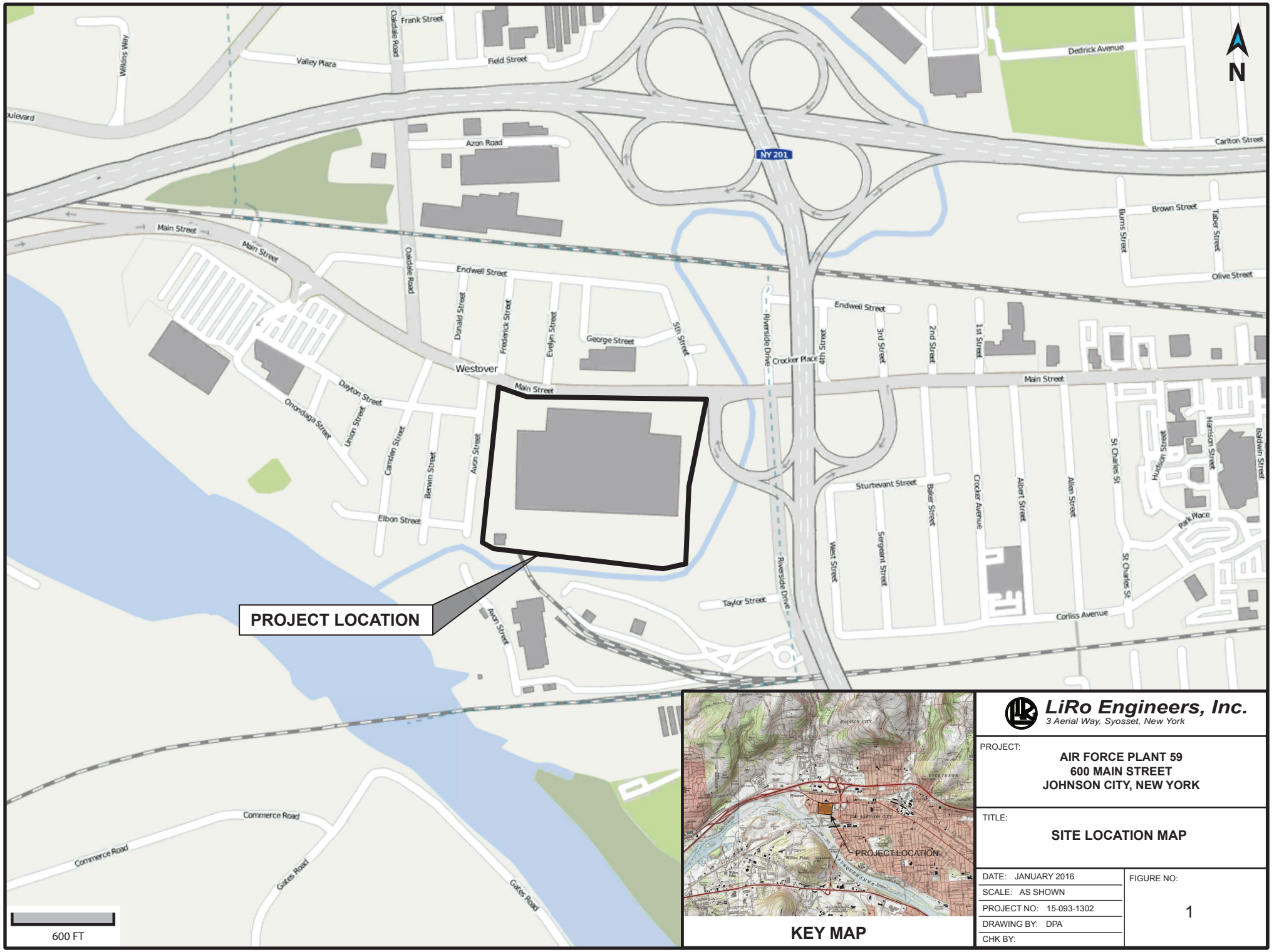
All loose debris which may blow off the Site shall be collected and disposed of by the Contractor on a daily basis as part of the project.

In the event that surface runoff causes contamination of existing clean areas or subsequently cleaned areas, the affected areas will be cleaned immediately in accordance with all applicable rules and regulations.

FIGURES

Site Location Map

J:\15-093-1302 AFP 59-Binghamton\CAD\SWPPP Figures\AFP 59 Site Loc Plan.ai



LiRo Engineers, Inc.
3 Aerial Way, Syosset, New York

PROJECT:
AIR FORCE PLANT 59
600 MAIN STREET
JOHNSON CITY, NEW YORK

TITLE:
SITE LOCATION MAP

DATE: JANUARY 2016	FIGURE NO:
SCALE: AS SHOWN	1
PROJECT NO: 15-093-1302	
DRAWING BY: DPA	
CHK BY:	

APPENDIX A

Notice of Intent (NOI)

0644089821

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-0-15-002

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)
United States Air Force

Owner/Operator Contact Person Last Name (NOT CONSULTANT)
Briskin

Owner/Operator Contact Person First Name
Alex

Owner/Operator Mailing Address
Building 12 AFLCMC/WNV 1981 Monahan Way

City
Wright Patterson AFB

State
OH

Zip
45433-7025

Phone (Owner/Operator)
937-904-3713

Fax (Owner/Operator)
___-___-____

Email (Owner/Operator)
alex.briskin@us.af.mil

FED TAX ID
__-_____ (not required for individuals)

6401089828

Project Site Information

Project/Site Name
Air Force Plant (AFP) 59

Street Address (NOT P.O. BOX)
600 Main Street

Side of Street
○ North ● South ○ East ○ West

City/Town/Village (THAT ISSUES BUILDING PERMIT)
Town of Union

State NY | Zip 13760-5990 | County Broome | DEC Region 7

Name of Nearest Cross Street
State Route 201

Distance to Nearest Cross Street (Feet)
1100

Project In Relation to Cross Street
○ North ○ South ○ East ● West

Tax Map Numbers
Section-Block-Parcel
143.62-1-1

Tax Map Numbers

1. Provide the Geographic Coordinates for the project site in NYTM Units. To do this you **must** go to the NYSDEC Stormwater Interactive Map on the DEC website at:

www.dec.ny.gov/imsmaps/stormwater/viewer.htm

Zoom into your Project Location such that you can accurately click on the centroid of your site. Once you have located your project site, go to the tool boxes on the top and choose "i"(identify). Then click on the center of your site and a new window containing the X, Y coordinates in UTM will pop up. Transcribe these coordinates into the boxes below. For problems with the interactive map use the help function.

X Coordinates (Easting): 419732

Y Coordinates (Northing): 4662760

2. What is the nature of this construction project?

○ **New Construction**

○ **Redevelopment with increase in impervious area**

● **Redevelopment with no increase in impervious area**

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 — Number of Lots
- ○ 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

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

4. In accordance with the larger common plan of development or sale, enter the total project site area; the total area to be disturbed; existing impervious area to be disturbed (for redevelopment activities); and the future impervious area constructed within the disturbed area. (Round to the nearest tenth of an acre.)

Total Site Area	Total Area To Be Disturbed	Existing Impervious Area To Be Disturbed	Future Impervious Area Within Disturbed Area
27.2	27.2	25.0	0.0

5. Do you plan to disturb more than 5 acres of soil at any one time? ● **Yes** ○ **No**

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

A	B	C	D
100 %	%	%	%

7. Is this a phased project? ○ **Yes** ● **No**

8. Enter the planned start and end dates of the disturbance activities.

Start Date 02/16/2016 - **End Date** 10/31/2016

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

Name

Little Chocolate Creek

9a. Type of waterbody identified in Question 9?

- ○ Wetland / State Jurisdiction On Site (Answer 9b)
- ○ Wetland / State Jurisdiction Off Site
- ○ Wetland / Federal Jurisdiction On Site (Answer 9b)
- ○ 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

9b. How was the wetland identified?

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

10. Has the surface waterbody(ies) in question 9 been identified as a 303(d) segment in Appendix E of GP-0-15-002? ○ **Yes** ● **No**

11. Is this project located in one of the Watersheds identified in Appendix C of GP-0-15-002? ○ **Yes** ● **No**

12. Is the project located in one of the watershed areas associated with AA and AA-S classified waters? ○ **Yes** ● **No**
If no, skip question 13.

13. Does this construction activity disturb land with no existing impervious cover and where the Soil Slope Phase is identified as an E or F on the USDA Soil Survey? ○ **Yes** ○ **No**
If Yes, what is the acreage to be disturbed?

14. Will the project disturb soils within a State regulated wetland or the protected 100 foot adjacent area? ○ **Yes** ● **No**

15. Does the site runoff enter a separate storm sewer system (including roadside drains, swales, ditches, culverts, etc)? ○ Yes ○ No ● Unknown

16. What is the name of the municipality/entity that owns the separate storm sewer system?

Town of Union

17. Does any runoff from the site enter a sewer classified as a Combined Sewer? ○ Yes ● No ○ Unknown

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

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

20. Is this a remediation project being done under a Department approved work plan? (i.e. CERCLA, RCRA, Voluntary Cleanup Agreement, etc.) ○ Yes ● No

21. Has the required Erosion and Sediment Control component of the SWPPP been developed in conformance with the current NYS Standards and Specifications for Erosion and Sediment Control (aka Blue Book)? ● Yes ○ No

22. Does this construction activity require the development of a SWPPP that includes the post-construction stormwater management practice component (i.e. Runoff Reduction, Water Quality and Quantity Control practices/techniques)? ○ Yes ● No
If No, skip questions 23 and 27-39.

23. Has the post-construction stormwater management practice component of the SWPPP been developed in conformance with the current NYS Stormwater Management Design Manual? ● Yes ○ No

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24. The Stormwater Pollution Prevention Plan (SWPPP) was prepared by:

- ● **Professional Engineer (P.E.)**
- ○ **Soil and Water Conservation District (SWCD)**
- ○ **Registered Landscape Architect (R.L.A)**
- ○ **Certified Professional in Erosion and Sediment Control (CPESC)**
- ○ **Owner/Operator**
- ○ **Other**

SWPPP Preparer
LiRo Engineers, Inc

Contact Name (Last, Space, First)
Lydle Michael

Mailing Address
690 Delaware Avenue

City
Buffalo

State NY Zip 14209-

Phone 716-882-5476

Fax 716-882-9640

Email
lydlem@liro.com

SWPPP Preparer Certification

I hereby certify that the Stormwater Pollution Prevention Plan (SWPPP) for this project has been prepared in accordance with the terms and conditions of the GP-0-15-002. Furthermore, I understand that certifying false, incorrect or inaccurate information is a violation of this permit and the laws of the State of New York and could subject me to criminal, civil and/or administrative proceedings.

First Name Michael **MI** F

Last Name Lydle

Signature Michael L. Lydle, P.E.

Date 06/30/2016

25. Has a construction sequence schedule for the planned management practices been prepared? ● Yes ○ No

26. Select **all** of the erosion and sediment control practices that will be employed on the project site:

Temporary Structural

- ○ Check Dams
- ○ Construction Road Stabilization
- ● Dust Control
- ○ Earth Dike
- ○ Level Spreader
- ○ Perimeter Dike/Swale
- ○ Pipe Slope Drain
- ○ Portable Sediment Tank
- ○ Rock Dam
- ○ Sediment Basin
- ○ Sediment Traps
- ● Silt Fence
- ● Stabilized Construction Entrance
- ● Storm Drain Inlet Protection
- ○ Straw/Hay Bale Dike
- ○ Temporary Access Waterway Crossing
- ● Temporary Stormdrain Diversion
- ○ Temporary Swale
- ○ Turbidity Curtain
- ○ Water bars

Biotechnical

- ○ Brush Matting
- ○ Wattling

Vegetative Measures

- ○ Brush Matting
- ○ Dune Stabilization
- ○ Grassed Waterway
- ● Mulching
- ○ Protecting Vegetation
- ○ Recreation Area Improvement
- ● Seeding
- ○ Sodding
- ● Straw/Hay Bale Dike
- ○ Streambank Protection
- ○ Temporary Swale
- ○ Topsoiling
- ○ Vegetating Waterways

Permanent Structural

- ○ Debris Basin
- ○ Diversion
- ○ Grade Stabilization Structure
- ● Land Grading
- ○ Lined Waterway (Rock)
- ○ Paved Channel (Concrete)
- ○ Paved Flume
- ○ Retaining Wall
- ○ Riprap Slope Protection
- ○ Rock Outlet Protection
- ○ Streambank Protection

Other

Post-construction Stormwater Management Practice (SMP) Requirements

Important: Completion of Questions 27-39 is not required if response to Question 22 is No.

27. Identify all site planning practices that were used to prepare the final site plan/layout for the project.

- ○ **Preservation of Undisturbed Areas**
- ○ **Preservation of Buffers**
- ○ **Reduction of Clearing and Grading**
- ○ **Locating Development in Less Sensitive Areas**
- ○ **Roadway Reduction**
- ○ **Sidewalk Reduction**
- ○ **Driveway Reduction**
- ○ **Cul-de-sac Reduction**
- ○ **Building Footprint Reduction**
- ○ **Parking Reduction**

27a. Indicate which of the following soil restoration criteria was used to address the requirements in Section 5.1.6("Soil Restoration") of the Design Manual (2010 version).

- ● All disturbed areas will be restored in accordance with the Soil Restoration requirements in Table 5.3 of the Design Manual (see page 5-22).
- ○ Compacted areas were considered as impervious cover when calculating the **WQv Required**, and the compacted areas were assigned a post-construction Hydrologic Soil Group (HSG) designation that is one level less permeable than existing conditions for the hydrology analysis.

28. Provide the total Water Quality Volume (WQv) required for this project (based on final site plan/layout).

Total WQv Required

			.			
			.			acre-feet

29. Identify the RR techniques (Area Reduction), RR techniques(Volume Reduction) and Standard SMPs with RRv Capacity in Table 1 (See Page 9) that were used to reduce the Total WQv Required(#28).

Also, provide in Table 1 the total impervious area that contributes runoff to each technique/practice selected. For the Area Reduction Techniques, provide the total contributing area (includes pervious area) and, if applicable, the total impervious area that contributes runoff to the technique/practice.

Note: Redevelopment projects shall use Tables 1 and 2 to identify the SMPs used to treat and/or reduce the WQv required. If runoff reduction techniques will not be used to reduce the required WQv, skip to question 33a after identifying the SMPs.

7738089822

Table 1 - Runoff Reduction (RR) Techniques and Standard Stormwater Management Practices (SMPs)

	Total Contributing Area (acres)		Total Contributing Impervious Area (acres)	
RR Techniques (Area Reduction)				
○ Conservation of Natural Areas (RR-1)	___.___	and/or	___.___	
○ Sheetflow to Riparian Buffers/Filters Strips (RR-2)	___.___	and/or	___.___	
○ Tree Planting/Tree Pit (RR-3)	___.___	and/or	___.___	
○ Disconnection of Rooftop Runoff (RR-4)	___.___	and/or	___.___	
RR Techniques (Volume Reduction)				
○ Vegetated Swale (RR-5)			___.___	
○ Rain Garden (RR-6)			___.___	
○ Stormwater Planter (RR-7)			___.___	
○ Rain Barrel/Cistern (RR-8)			___.___	
○ Porous Pavement (RR-9)			___.___	
○ Green Roof (RR-10)			___.___	
Standard SMPs with RRv Capacity				
○ Infiltration Trench (I-1)			___.___	
○ Infiltration Basin (I-2)			___.___	
○ Dry Well (I-3)			___.___	
○ Underground Infiltration System (I-4)			___.___	
○ Bioretention (F-5)			___.___	
○ Dry Swale (O-1)			___.___	
Standard SMPs				
○ Micropool Extended Detention (P-1)			___.___	
○ Wet Pond (P-2)			___.___	
○ Wet Extended Detention (P-3)			___.___	
○ Multiple Pond System (P-4)			___.___	
○ Pocket Pond (P-5)			___.___	
○ Surface Sand Filter (F-1)			___.___	
○ Underground Sand Filter (F-2)			___.___	
○ Perimeter Sand Filter (F-3)			___.___	
○ Organic Filter (F-4)			___.___	
○ Shallow Wetland (W-1)			___.___	
○ Extended Detention Wetland (W-2)			___.___	
○ Pond/Wetland System (W-3)			___.___	
○ Pocket Wetland (W-4)			___.___	
○ Wet Swale (O-2)			___.___	

Table 2 - Alternative SMPs (DO NOT INCLUDE PRACTICES BEING USED FOR PRETREATMENT ONLY)

Alternative SMP	Total Contributing Impervious Area (acres)
○ Hydrodynamic	___.___
○ Wet Vault	___.___
○ Media Filter	___.___
○ Other _____	___.___

Provide the name and manufacturer of the Alternative SMPs (i.e. proprietary practice(s)) being used for WQv treatment.

Name _____

Manufacturer _____

Note: Redevelopment projects which do not use RR techniques, shall use questions 28, 29, 33 and 33a to provide SMPs used, total WQv required and total WQv provided for the project.

30. Indicate the Total RRv provided by the RR techniques (Area/Volume Reduction) and Standard SMPs with RRv capacity identified in question 29.

Total RRv provided

___.___ **acre-feet**

31. Is the Total RRv provided (#30) greater than or equal to the total WQv required (#28).

○ **Yes** ○ **No**

If Yes, go to question 36.
If No, go to question 32.

32. Provide the Minimum RRv required based on HSG.
[Minimum RRv Required = (P)(0.95)(Ai)/12, Ai=(S)(Aic)]

Minimum RRv Required

___.___ **acre-feet**

32a. Is the Total RRv provided (#30) greater than or equal to the Minimum RRv Required (#32)?

○ **Yes** ○ **No**

If Yes, go to question 33.
Note: Use the space provided in question #39 to summarize the specific site limitations and justification for not reducing 100% of WQv required (#28). A detailed evaluation of the specific site limitations and justification for not reducing 100% of the WQv required (#28) must also be included in the SWPPP.
If No, sizing criteria has not been met, so NOI can not be processed. SWPPP preparer must modify design to meet sizing criteria.

33. Identify the Standard SMPs in Table 1 and, if applicable, the Alternative SMPs in Table 2 that were used to treat the remaining total WQv(=Total WQv Required in 28 - Total RRv Provided in 30).

Also, provide in Table 1 and 2 the total impervious area that contributes runoff to each practice selected.

Note: Use Tables 1 and 2 to identify the SMPs used on Redevelopment projects.

33a. Indicate the Total WQv provided (i.e. WQv treated) by the SMPs identified in question #33 and Standard SMPs with RRv Capacity identified in question 29.

WQv Provided

☐☐☐.☐☐☐ **acre-feet**

Note: For the standard SMPs with RRv capacity, the WQv provided by each practice = the WQv calculated using the contributing drainage area to the practice - RRv provided by the practice. (See Table 3.5 in Design Manual)

34. Provide the sum of the Total RRv provided (#30) and the WQv provided (#33a). ☐☐☐.☐☐☐

35. Is the sum of the RRv provided (#30) and the WQv provided (#33a) greater than or equal to the total WQv required (#28)? ○ **Yes** ○ **No**

If Yes, go to question 36.
If No, sizing criteria has not been met, so NOI can not be processed. SWPPP preparer must modify design to meet sizing criteria.

36. Provide the total Channel Protection Storage Volume (CPv) required and provided or select waiver (36a), if applicable.

CPv Required

☐☐☐.☐☐☐ **acre-feet**

CPv Provided

☐☐☐.☐☐☐ **acre-feet**

36a. The need to provide channel protection has been waived because:

○ Site discharges directly to tidal waters or a fifth order or larger stream.

○ Reduction of the total CPv is achieved on site through runoff reduction techniques or infiltration systems.

37. Provide the Overbank Flood (Qp) and Extreme Flood (Qf) control criteria or select waiver (37a), if applicable.

Total Overbank Flood Control Criteria (Qp)

Pre-Development

☐☐☐.☐☐☐ **CFS**

Post-development

☐☐☐.☐☐☐ **CFS**

Total Extreme Flood Control Criteria (Qf)

Pre-Development

☐☐☐.☐☐☐ **CFS**

Post-development

☐☐☐.☐☐☐ **CFS**

37a. The need to meet the Qp and Qf criteria has been waived because:

- ○ Site discharges directly to tidal waters or a fifth order or larger stream.
- ○ Downstream analysis reveals that the Qp and Qf controls are not required

38. Has a long term Operation and Maintenance Plan for the post-construction stormwater management practice(s) been developed? ○ **Yes** ○ **No**

If Yes, Identify the entity responsible for the long term Operation and Maintenance

39. Use this space to summarize the specific site limitations and justification for not reducing 100% of WQv required(#28). (See question 32a) This space can also be used for other pertinent project information.

40. Identify other DEC permits, existing and new, that are required for this project/facility.

- ○ Air Pollution Control
- ○ Coastal Erosion
- ● Hazardous Waste
- ○ Long Island Wells
- ○ Mined Land Reclamation
- ● Solid Waste
- ○ Navigable Waters Protection / Article 15
- ○ Water Quality Certificate
- ○ Dam Safety
- ○ Water Supply
- ○ Freshwater Wetlands/Article 24
- ○ Tidal Wetlands
- ○ Wild, Scenic and Recreational Rivers
- ○ Stream Bed or Bank Protection / Article 15
- ○ Endangered or Threatened Species(Incidental Take Permit)
- ○ Individual SPDES
- ○ SPDES Multi-Sector GP [N][Y][R][ ][ ][ ][ ][ ][ ]
- ○ Other [ ]
- ○ None

41. Does this project require a US Army Corps of Engineers Wetland Permit? ○ **Yes** ● **No**
If Yes, Indicate Size of Impact. [ ][ ][ ][ ][ ].[ ]

42. Is this project subject to the requirements of a regulated, traditional land use control MS4? ● **Yes** ○ **No**
(If No, skip question 43)

43. Has the "MS4 SWPPP Acceptance" form been signed by the principal executive officer or ranking elected official and submitted along with this NOI? ● **Yes** ○ **No**

44. If this NOI is being submitted for the purpose of continuing or transferring coverage under a general permit for stormwater runoff from construction activities, please indicate the former SPDES number assigned. [N][Y][R][ ][ ][ ][ ][ ][ ]

3547089826

Owner/Operator Certification

I have read or been advised of the permit conditions and believe that I understand them. I also understand that, under the terms of the permit, there may be reporting requirements. I hereby certify that this document and the corresponding documents were prepared under my direction or supervision. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further understand that coverage under the general permit will be identified in the acknowledgment that I will receive as a result of submitting this NOI and can be as long as sixty (60) business days as provided for in the general permit. I also understand that, by submitting this NOI, I am acknowledging that the SWPPP has been developed and will be implemented as the first element of construction, and agreeing to comply with all the terms and conditions of the general permit for which this NOI is being submitted.

Print First Name: Alex

MI: I

Print Last Name: Briskin

Owner/Operator Signature: Tedmond Grady Acting Div Chief for Alex Briskin

Date: 07/07/2016

APPENDIX B

MS4 Stormwater Pollution Prevention Plan (SWPPP) Acceptance Form

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

MS4 Stormwater Pollution Prevention Plan (SWPPP) Acceptance Form

for

Construction Activities Seeking Authorization Under SPDES General Permit

*(NOTE: Attach Completed Form to Notice Of Intent and Submit to Address Above)

I. Project Owner/Operator Information	
1. Owner/Operator Name:	United States Air Force
2. Contact Person:	Alex Briskin (937) 904-3713
3. Street Address:	Building 12 AFLCMC/WNV
4. City/State/Zip:	Wright Paterson AFB, Ohio 45433
II. Project Site Information	
5. Project/Site Name:	Air Force Plant (AFP) 59
6. Street Address:	600 Main Street
7. City/State/Zip:	Johnson City, NY 13790
III. Stormwater Pollution Prevention Plan (SWPPP) Review and Acceptance Information	
8. SWPPP Reviewed by:	Robert A. Bennett, P.E.
9. Title/Position:	SWPPP Reviewer
10. Date Final SWPPP Reviewed and Accepted:	
IV. Regulated MS4 Information	
11. Name of MS4:	Town of Union
12. MS4 SPDES Permit Identification Number: NYR20A 050	
13. Contact Person:	Daria Golazeski
14. Street Address:	3111 E. Main Street
15. City/State/Zip:	Endwell, NY 13760
16. Telephone Number:	607-786-2921

(NYS DEC - MS4 SWPPP Acceptance Form - January 2010)

MS4 SWPPP Acceptance Form - continued

V. Certification Statement - MS4 Official (principal executive officer or ranking elected official) or Duly Authorized Representative

I hereby certify that the final Stormwater Pollution Prevention Plan (SWPPP) for the construction project identified in question 5 has been reviewed and meets the substantive requirements in the SPDES General Permit For Stormwater Discharges from Municipal Separate Storm Sewer Systems (MS4s).
Note: The MS4, through the acceptance of the SWPPP, assumes no responsibility for the accuracy and adequacy of the design included in the SWPPP. In addition, review and acceptance of the SWPPP by the MS4 does not relieve the owner/operator or their SWPPP preparer of responsibility or liability for errors or omissions in the plan.

Printed Name:

Title/Position:

Signature:

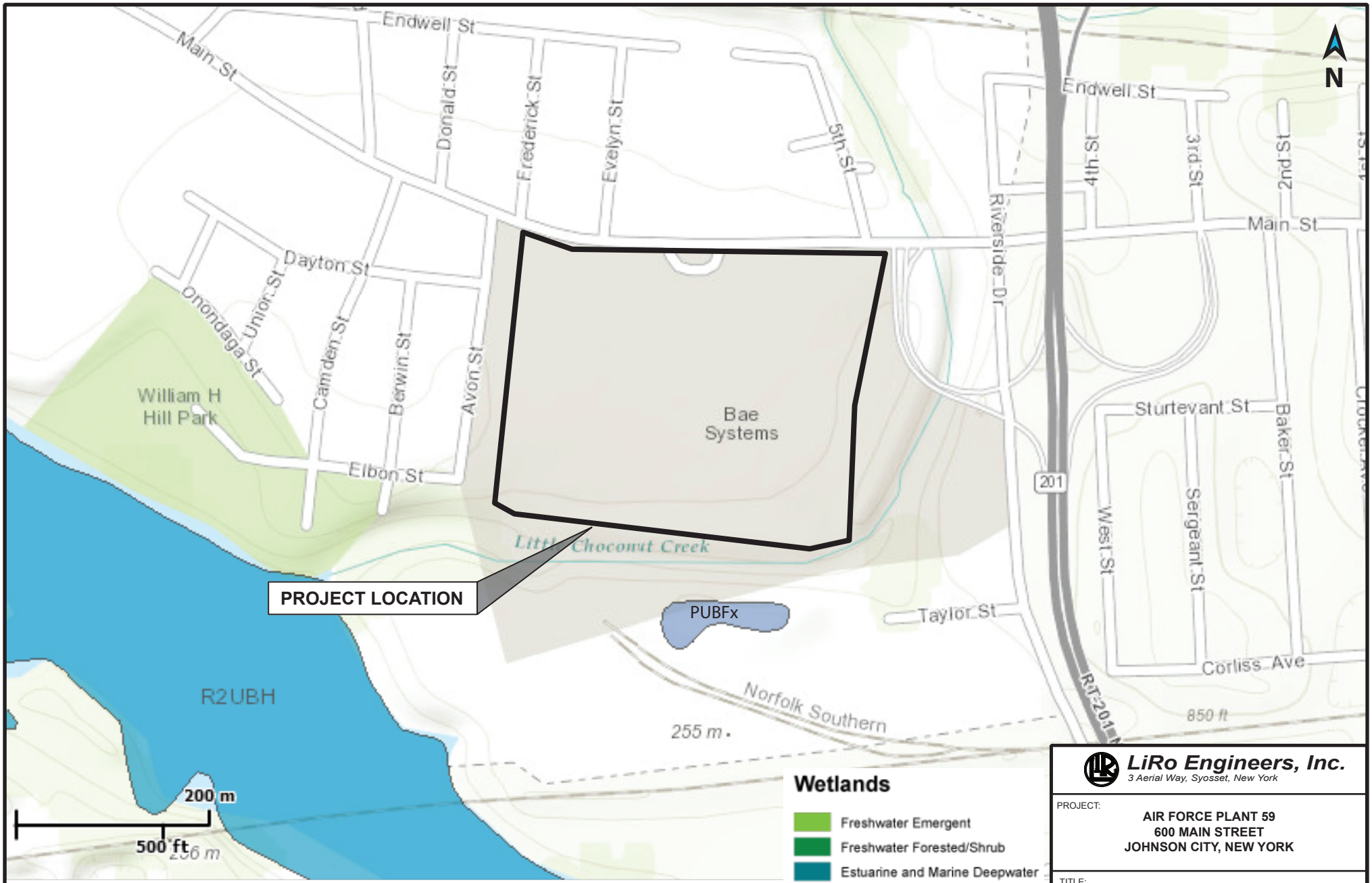
Date:

VI. Additional Information

APPENDIX C

Wetland Maps

J:\15-093-1302 AFP 59-Binghamton\CAD\SWPPP Figures\AFP 59 Wetland.ai



Wetlands

- Freshwater Emergent
- Freshwater Forested/Shrub
- Estuarine and Marine Deepwater
- Estuarine and Marine
- Freshwater Pond
- Lake
- Riverine
- Other

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

LiRo Engineers, Inc.
3 Aerial Way, Syosset, New York

PROJECT:
AIR FORCE PLANT 59
600 MAIN STREET
JOHNSON CITY, NEW YORK

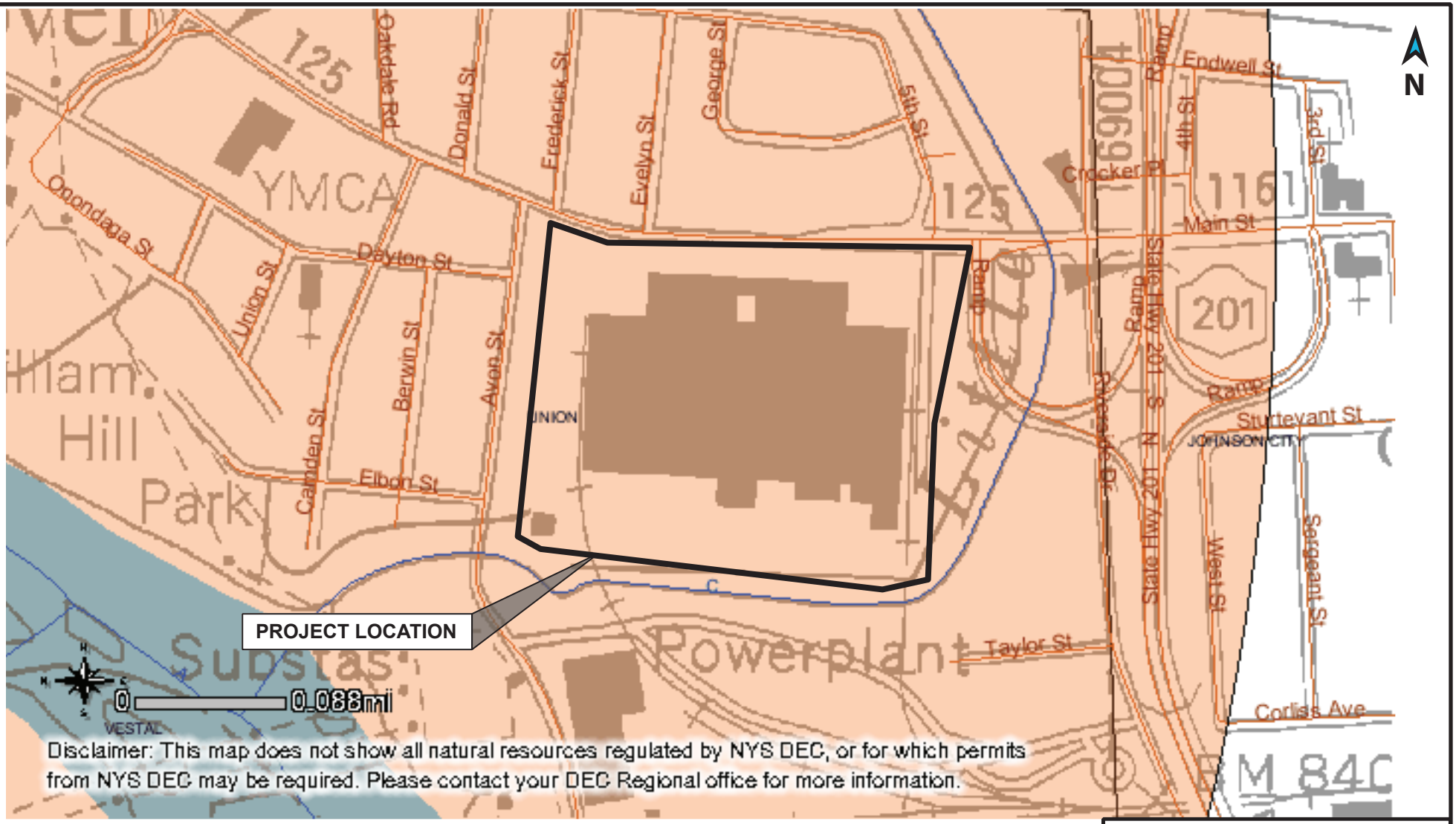
TITLE:
WETLAND MAP

DATE: JANUARY 2016	FIGURE NO: 1
SCALE: AS SHOWN	
PROJECT NO: 15-093-1302	
DRAWING BY: DPA	
CHK BY:	

APPENDIX D

NYSDEC Rare Plant and Animal Documentation

J:\15-093-1302 AFP 59-Binghamton\CAD\SWPPP Figures\AFP 59 Rare Plant and Animal.ai



LEGEND

Rare Plant and Rare Animal

LiRo Engineers, Inc.
3 Aerial Way, Syosset, New York

PROJECT:
AIR FORCE PLANT 59
600 MAIN STREET
JOHNSON CITY, NEW YORK

TITLE:
NYSDEC RARE PLANT AND ANIMAL DOCUMENTATION

DATE: JANUARY 2016	FIGURE NO:
SCALE: AS SHOWN	1
PROJECT NO: 15-093-1302	
DRAWING BY: DPA	
CHK BY:	

APPENDIX E

Existing Sanitary Sewer Location and Profile Plans
Village of Johnson City

NOT ACCESSIBLE N.A.

TRUE NORTH N

AT 76°35' MERIDIAN OF WEST LONGITUDE

A B
1
2
3
4
5
6

SCALE
200 100 0 200
Feet Feet

MAIN STREET
OAKDALE
DONALD
FREDERICK
STR
243L
STR @0.
T-111
403LF 24" RCP
EVELYN @0.10%
GEORGE ST.
FIFTH
STREET
34
FB
18%
35
T-109
84 LF 24" RCP @ - 0.12%
DAYTON STREET
T-110
TOWN OF UNION
T-108
211LF24" RCP@0.02%
57LF 24" RCP
208LF 24" RCP
N.A.
T-107A
N.A.
T-107
GENERAL ELECTRIC CO.
AVON STREET
CAMDEN STREET
BERWIN STREET
442 LF 24" RCP
T-105
T-104A
T-104
ELBON STREET
200LF24" RCP
CIP @0.19%
108 LF 24" CIP @0.88%
T-106
124 LF 24" RCP @ -0.20%
33 LF 24" RCP @1.73%
LITTLE
330 LF 24" CIP @0.60%
T-103
CHOCONUT CREEK
98 LF 24" CIP
SUSQUEHANNA RIVER
T-102 OVERFLOW 001
160 LF 24" RCP @0.47%
860
668000E
664000E
665000E
666000E

Village of JOHNSON CITY

BROOME COUNTY NEW YORK

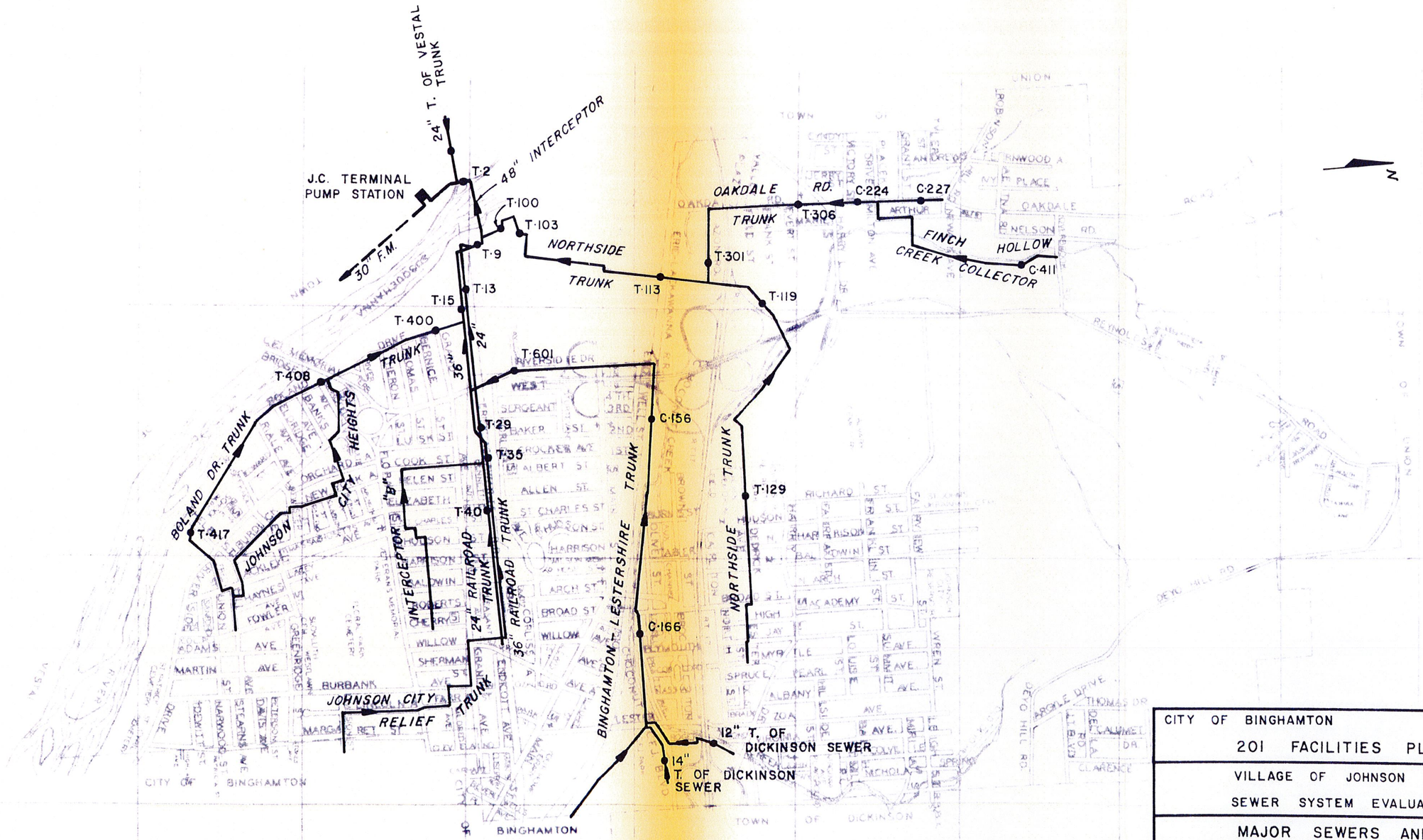
SEWER SYSTEM EVALUATION

EXISTING COMBINED SEWER SYSTEM

Prepared by:
V. O. SHUMAKER / CALOCERINOS & SPINA
JOINT VENTURE · CONSULTING ENGINEERS

FLOWN: MARCH 29, 1977
MAPPED: JANUARY, 1978

Sheet No. 4 A



LEGEND

- MAJOR SEWER
- FLOW MONITOR LOCATION
- T-40 MANHOLE IDENTIFICATION NUMBER

SCALE: 1"= 1500'

CITY OF BINGHAMTON NEW YORK

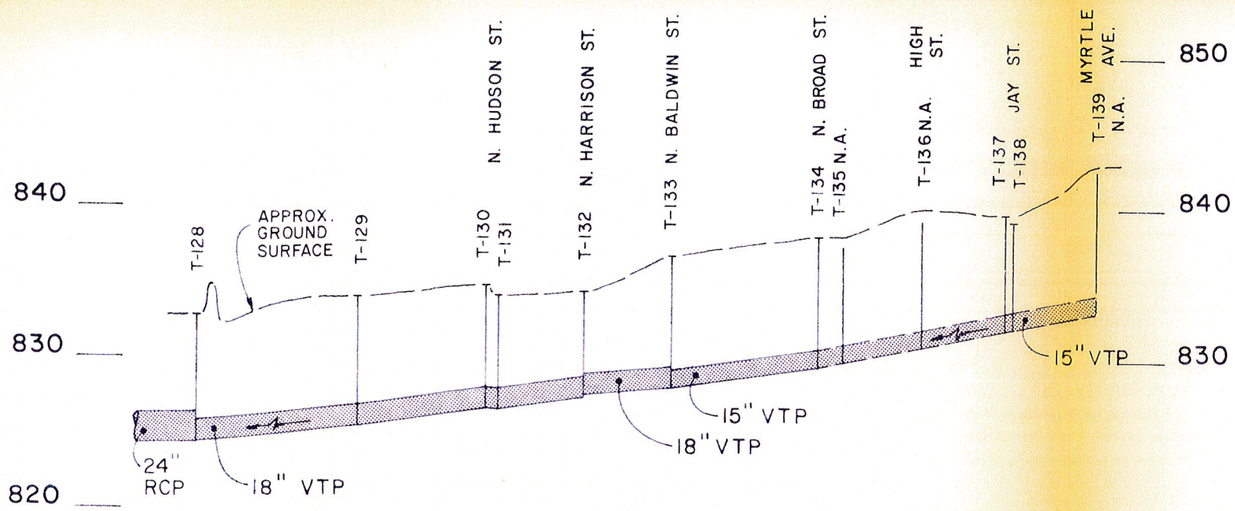
201 FACILITIES PLAN

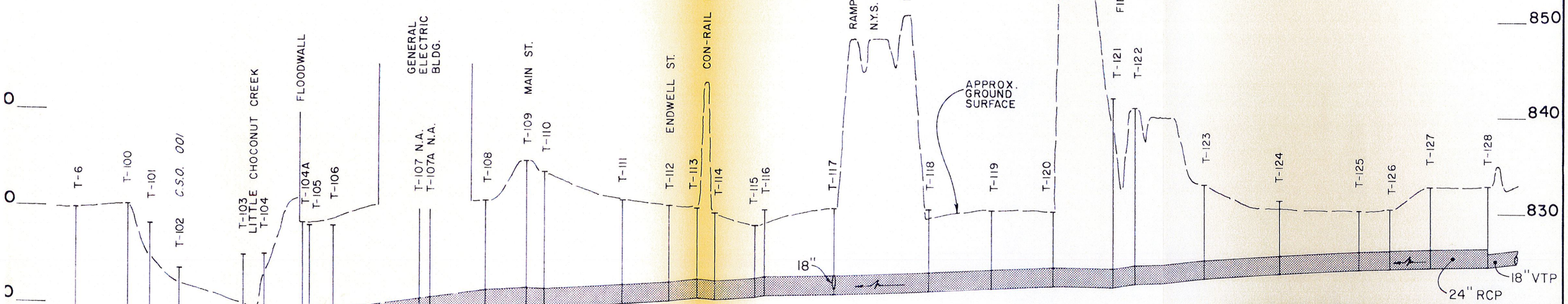
VILLAGE OF JOHNSON CITY
SEWER SYSTEM EVALUATION

MAJOR SEWERS AND
FLOW MONITOR LOCATIONS

VERNON O. SHUMAKER / CALOCERINOS & SPINA
JOINT VENTURE — CONSULTING ENGINEERS
VESTAL, N.Y. LIVERPOOL, N.Y.

DATE: MAY 1979 MAP 3





LEGEND

T-123 MANHOLE IDENTIFICATION NUMBER
N.A. NOT ACCESSIBLE
C.S.O. 001 COMBINED SEWER OVERFLOW LOCATION

SCALE: 1"= 500' HORIZ.
1"= 10' VERT.

CITY OF BINGHAMTON NEW YORK

201 FACILITIES PLAN

VILLAGE OF JOHNSON CITY
SEWER SYSTEM EVALUATION

PROFILE
NORTHSIDE TRUNK

VERNON O. SHUMAKER / CALOCERINOS & SPINA
JOINT VENTURE — CONSULTING ENGINEERS
VESTAL, N.Y. LIVERPOOL, N.Y.

DATE: MAY 1979 FIG. 2

SCALE : 1" = 1,600'

SYMBOL = MAJOR SEWERS

36" FORCE MAIN TO TREATMENT PLANT

JOHNSON CITY TERMINAL PUMP STATION

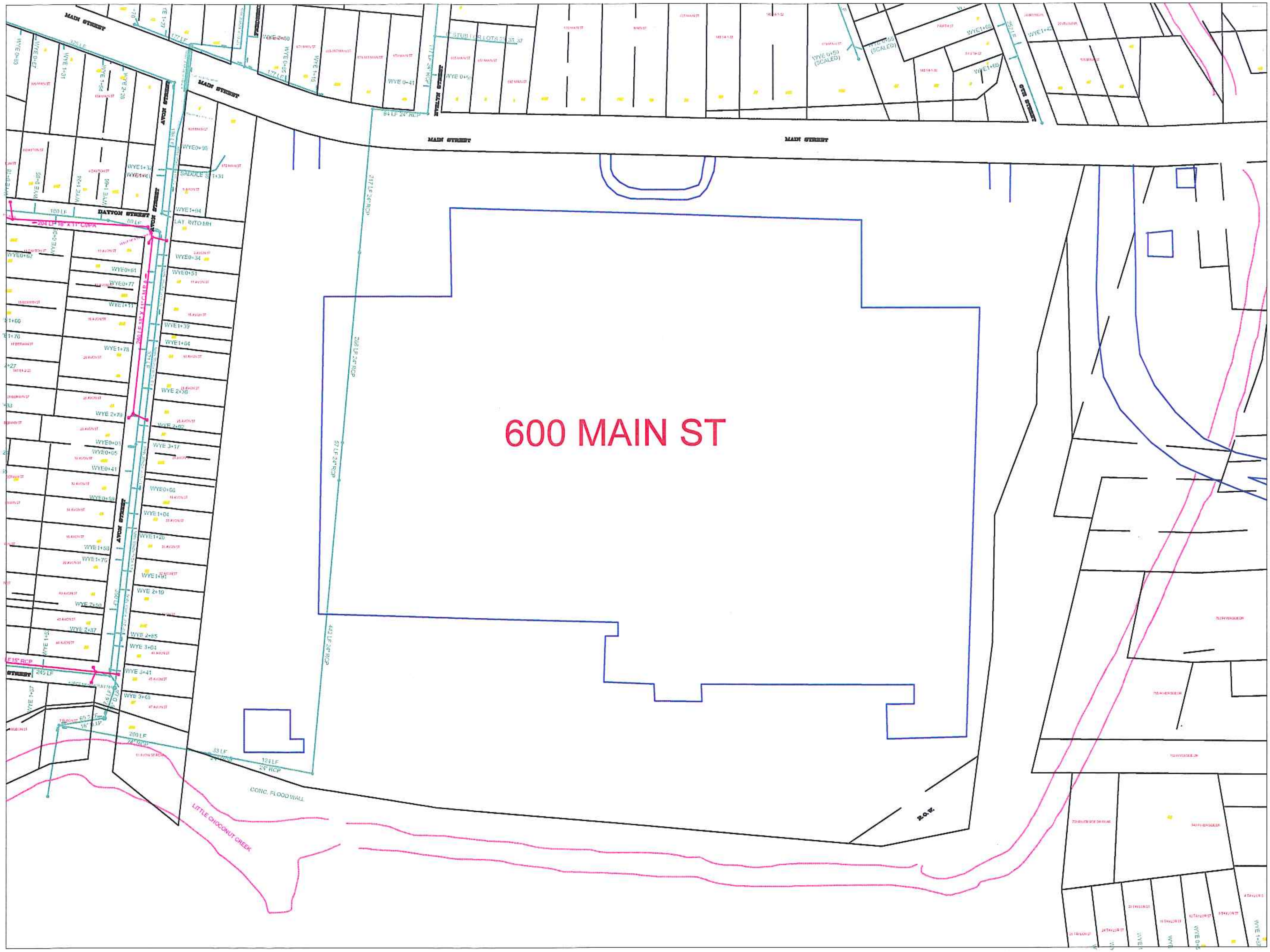
VILLAGE OF JOHNSON CITY

BROOME COUNTY NEW YORK

MAJOR SEWERS

VERNON O. SHUMAKER / CALOCERINOS & SPINA
JOINT VENTURE — CONSULTING ENGINEERS
VESTAL, N.Y. LIVERPOOL, N.Y.

DATE: DECEMBER 1982 FIGURE NO. 1


MAIN STREET
MAIN STREET
MAIN STREET
DATTON STREET
AVON STREET
AVON STREET
600 MAIN ST
CONC. FLOOD WALL
LITTLE CHOCONUT CREEK
R.O.W.
204 LF 18" x 11" CMPA
217 LF 24" RCP
206 LF 24" RCP
57 LF 24" RCP
442 LF 24" RCP
84 LF 24" RCP
124 LF 24" RCP
33 LF
200 LF
245 LF
100 LF
WYE 0+41
WYE1+94
WYE0+34
WYE0+51
WYE1+39
WYE1+64
WYE 2+38
WYE 2+92
WYE 3+17
WYE0+66
WYE1+04
WYE1+20
WYE 2+19
WYE 2+85
WYE 3+04
WYE 3+41
WYE 3+68
WYE0+61
WYE0+77
WYE1+11
WYE1+78
WYE 2+79
WYE0+01
WYE0+05
WYE0+41
WYE1+68
WYE1+76
WYE 2+50
WYE 2+87
LAT. INTO MH
SADDLE

APPENDIX F

Erosion and Sediment Control Plans and Details

Erosion and Sediment Control Seed and Mulch Specifications

BAE-1
BAE-2
BAE-3
BAE-4
BAE-5
BAE-6
BAE-7
NS-1
NS-2
NS-3
NS-3-3A
NS-3-3
NS-4
NS-5-2
NS-6-2
LP NS-4-1
LP NS-5
LP NS-6
NS-7
NS-8
LP NS-9
LP NS-10
NS-11
NS-12

160'±

24" RCP
SANITARY SEWER
(PROTECT)

CONTRACTOR TO PROTECT
DRAINAGE INLETS WITHIN
50 FT OF BUILDING (TYP.)
(REFER TO DETAIL ON FIGURE F-3)

1
STORY
BRICK
BUILDING

CONTRACTOR TO REMOVE
BUILDING ABOVE GRADE
(ALL FLOOR DRAINS TO BE
PLUGGED DURING REMOVAL)

CHAIN-LINK FENCE
(TO BE PROTECTED)

CONTRACTOR TO
REMOVE BUILDING AND
FOUNDATIONS

TRANSFORMER

TRANSFORMER

LITTLE CHOCONUT CREEK

LEGEND:

- FLOOD PROTECTION EASEMENT
- PROPERTY LINE
- STREAM BANK
- CHAIN-LINK FENCE
- SILT FENCE

60 0 60
SCALE IN FEET

WARNING

IT IS A VIOLATION OF SECTION 7209, SUBDIVISION 2, OF THE NEW YORK STATE EDUCATION LAW FOR ANY PERSON, OTHER THAN THOSE WHOSE SEAL APPEARS ON THIS DRAWING, TO ALTER IN ANY WAY AN ITEM ON THIS DRAWING. IF AN ITEM IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE ITEM HIS SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NO.	DATE	DESCRIPTION
		REVISIONS

LiRo Engineers, Inc.
690 Delaware Avenue
Buffalo, New York

PROJ. ENG.:	
DESIGNED BY:	
CHECKED BY:	
DRAWN BY:	
CLIENT:	NORTHSTAR FEDERAL SERVICES
DATE:	MAY 2016
SCALE:	AS SHOWN

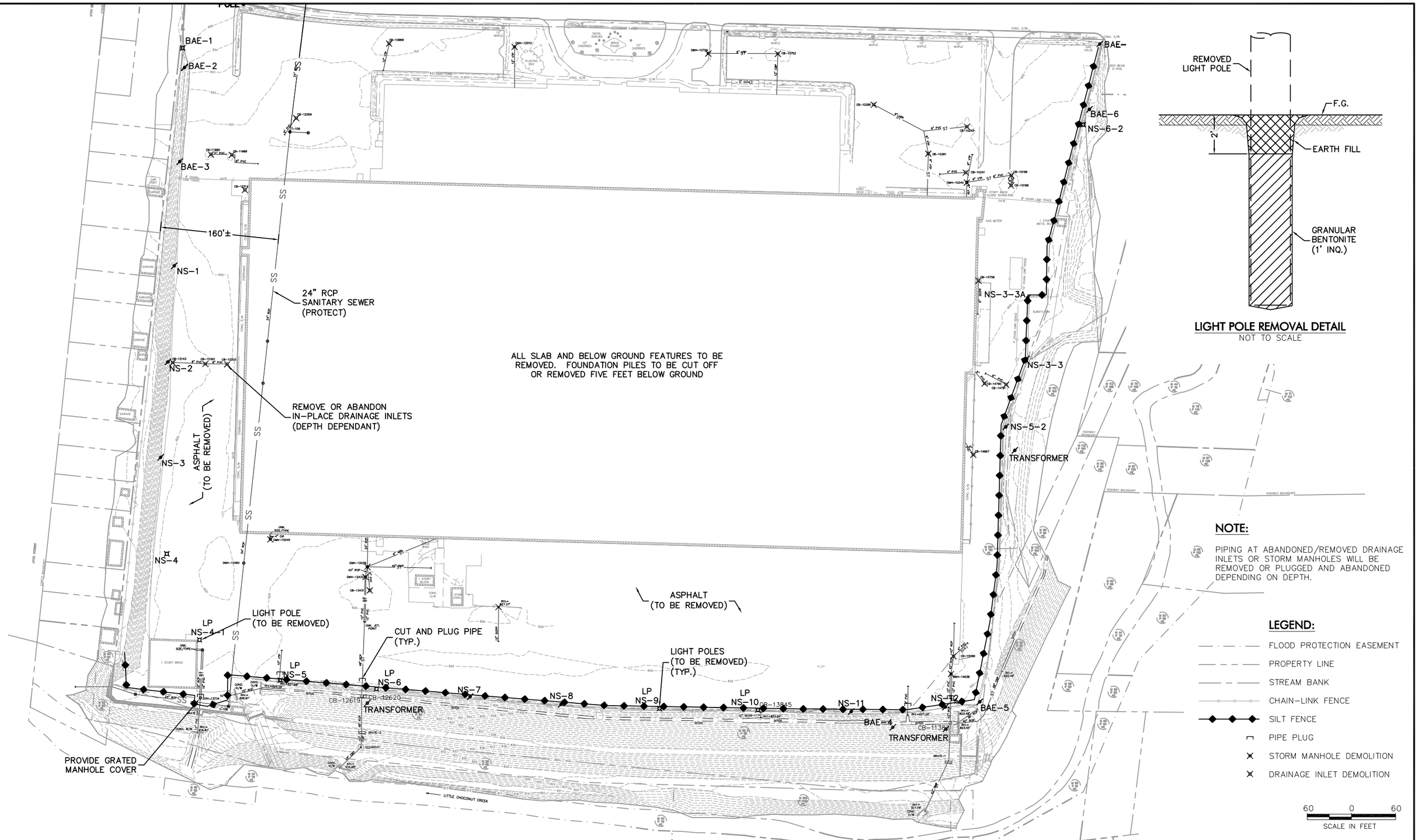
JOB TITLE AND LOCATION:
AIR FORCE PLANT 59
600 MAIN STREET
JOHNSON CITY, NEW YORK

LIRO JOB NO.: 15-093-1302
SHEET OF

DRAWING TITLE:
PHASE I - BUILDING REMOVAL
EROSION AND SOIL SEDIMENT CONTROL PLAN

FIGURE NO.
F-1

J:\15-093-1302 AFP 59-Binghamton\CAD\SWPPP Figures\F-1 AFP 59 PHASE 1.dwg 7/5/2016 3:02 PM



LIGHT POLE REMOVAL DETAIL
NOT TO SCALE

NOTE:

PIPING AT ABANDONED/REMOVED DRAINAGE INLETS OR STORM MANHOLES WILL BE REMOVED OR PLUGGED AND ABANDONED DEPENDING ON DEPTH.

LEGEND:

- FLOOD PROTECTION EASEMENT
- PROPERTY LINE
- STREAM BANK
- CHAIN-LINK FENCE
- SILT FENCE
- PIPE PLUG
- STORM MANHOLE DEMOLITION
- DRAINAGE INLET DEMOLITION

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SCALE IN FEET

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NO.	DATE	DESCRIPTION
		REVISIONS

LiRo Engineers, Inc.
690 Delaware Avenue
Buffalo, New York

PROJ. ENG.:	
DESIGNED BY:	
CHECKED BY:	
DRAWN BY:	
CLIENT:	NORTHSTAR FEDERAL SERVICES
DATE:	MAY 2016
SCALE:	AS SHOWN

JOB TITLE AND LOCATION:
AIR FORCE PLANT 59
600 MAIN STREET
JOHNSON CITY, NEW YORK

LIRO JOB NO.: 15-093-1302
SHEET OF

DRAWING TITLE:
PHASE 2 - FOUNDATION AND PAVEMENT REMOVAL
EROSION AND SOIL SEDIMENT CONTROL PLAN

FIGURE NO.
F-2

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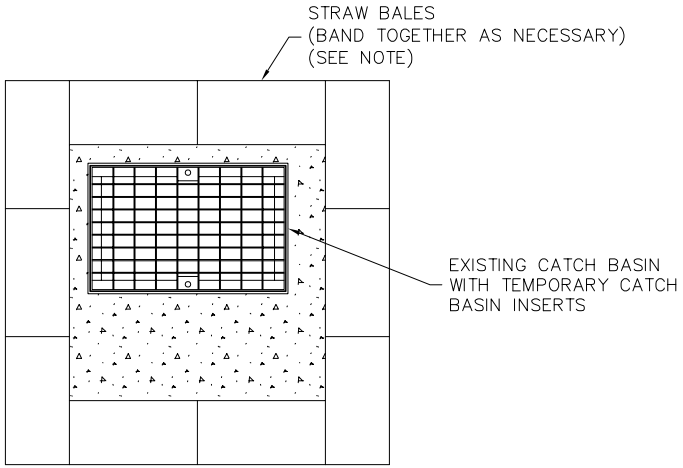
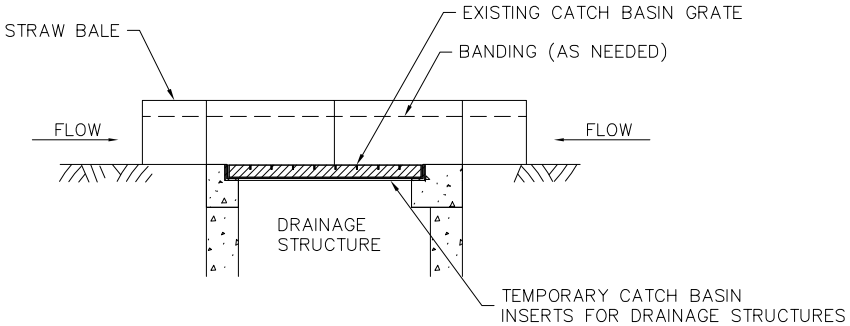


PLAN



CROSS SECTION

APPLICATION NOTES:

A. THE PRIMARY PURPOSE OF DRAINAGE STRUCTURE INLET PROTECTION IS TO PREVENT SEDIMENT FROM ENTERING A DRAINAGE SYSTEM BY PONDING WATER WHICH ALLOWS SEDIMENT TO FALL OUT OF SUSPENSION.

B. THE TOP OF THE INLET PROTECTION SHALL BE SET AT THE MAXIMUM DESIRED WATER LEVEL BASED ON FIELD LOCATION AND CONDITIONS.

NOTES:

1. EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF (4) INCHES, AND PLACED SO THE BINDING ARE HORIZONTAL.

2. BALES SHALL BE SECURELY ANCHORED IN PLACE BY EITHER TWO STAKES OR RE-BARS DRIVEN THROUGH THE BALE. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE AT AN ANGLE TO FORCE THE BALES TOGETHER. STAKES SHALL BE DRIVEN FLUSH WITH THE BALE.

3. MEASURES SHALL BE INSPECTED EVERY SEVEN (7) CALENDAR DAYS, AFTER EACH RAINFALL OF 1/2" OR MORE WITHIN A 24 HOUR PERIOD, OR DAILY DURING PROLONGED RAINFALL. MEASURES SHALL BE CLEANED AND REPAIRED AS REQUIRED.

4. SEDIMENT SHALL BE REMOVED WHEN ACCUMULATION REACHES ONE-HALF OF THE MEASURE HEIGHT, SEDIMENT SHALL BE DISPOSED OF AS UNSUITABLE MATERIAL.

5. CATCH BASIN INSERTS FOR DRAINAGE STRUCTURE MAY BE USED WITHOUT STRAW BALES ONLY DURING THE ACTUAL BUILDING DEMOLITION PHASE. AS SOON AS ANY AMOUNT OF SOIL DISTURBANCE OCCURS, STRAW BALES OR OTHER DRAINAGE STRUCTURE INLET PROTECTION IN ACCORDANCE WITH THE NYSDEC "BLUE BOOK" SHALL BE PROVIDED.

LiRo Engineers, Inc.
3 Aerial Way, Syosset, New York

PROJECT:
AIR FORCE PLANT 59
600 MAIN STREET
JOHNSON CITY, NEW YORK

TITLE:
DRAINAGE STRUCTURE INLET PROTECTION (STRAW BALE)

DATE: MAY 2016	FIGURE NO:
SCALE: AS SHOWN	F-3
PROJECT NO: 15-093-1302	
DRAWING BY: DPA	
CHK BY:	

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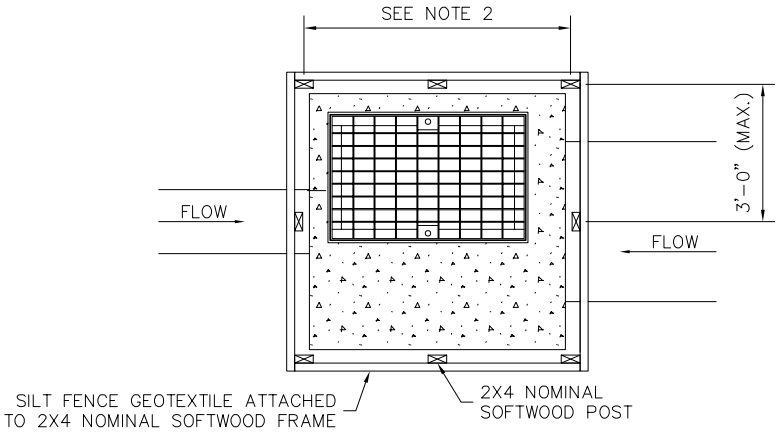
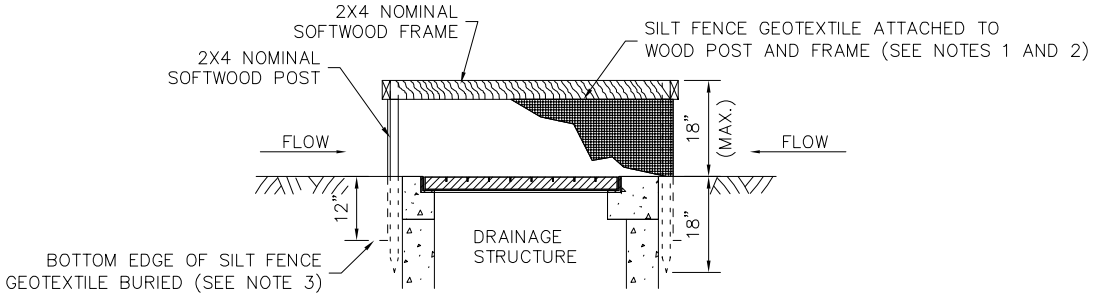


PLAN



CROSS SECTION

APPLICATION NOTES:

A. THE PRIMARY PURPOSE OF DRAINAGE STRUCTURE INLET PROTECTION IS TO PREVENT SEDIMENT FROM ENTERING A DRAINAGE SYSTEM BY PONDING WATER WHICH ALLOWS SEDIMENT TO FALL OUT OF SUSPENSION.

B. GRAVEL BAGS ARE FILLED WITH CLEAN STONE RATHER THAN SAND TO PREVENT SEDIMENT FROM ENTERING A DRAINAGE SYSTEM IF BAGS ARE DAMAGED DURING USE.

C. THE TOP OF THE INLET PROTECTION SHALL BE SET AT THE MAXIMUM DESIRED WATER LEVEL BASED ON FIELD LOCATION AND CONDITIONS.

NOTES:

1. APPROVED SILT FENCE GEOTEXTILES ARE LISTED ON THE DEPARTMENTS APPROVED LIST. SILT FENCE GEOTEXTILE SHALL BE A SINGLE CONTINUOUS PIECE TO ELIMINATE JOINTS. OVERLAP GEOTEXTILE TO ELIMINATE ANY OPENING.

2. SPACE SILT FENCE POSTS EVENLY AROUND INLET WITH A MAXIMUM SPACING OF 3'. DRIVE POSTS A MINIMUM OF 18" INTO GROUND. WIRE MESH MAY BE REQUIRED BEHIND GEOTEXTILE TO PROVIDE SUPPORT.

3. SILT FENCE GEOTEXTILE SHALL BE EMBEDDED 12" AND BACKFILLED. GEOTEXTILE SHALL BE SECURELY FASTENED TO POSTS AND FRAME.

4. MEASURES SHALL BE INSPECTED EVERY SEVEN (7) CALENDAR DAYS, AFTER EACH RAINFALL OF 1/2" OR MORE WITHIN A 24 HOUR PERIOD, OR DAILY DURING PROLONGED RAINFALL. MEASURES SHALL BE CLEANED AND REPAIRED AS REQUIRED.

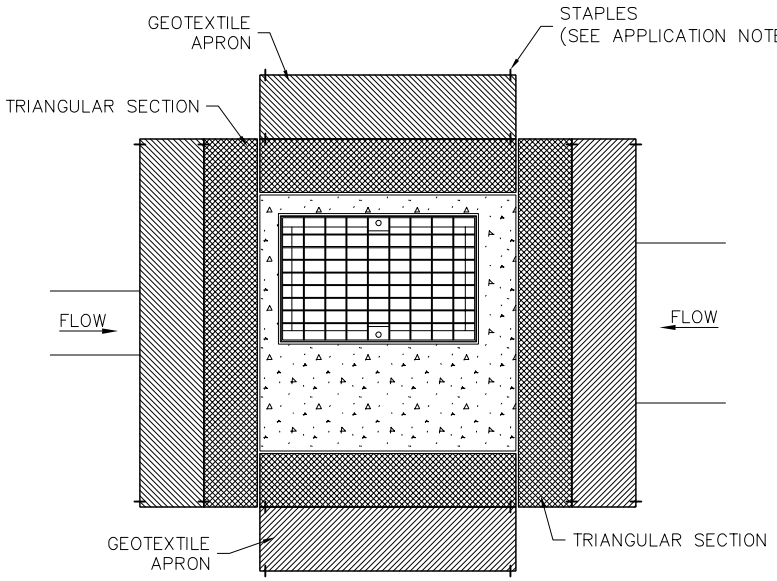
5. SEDIMENT SHALL BE REMOVED WHEN ACCUMULATION REACHES ONE-HALF OF THE MEASURE HEIGHT, SEDIMENT SHALL BE DISPOSED OF AS UNSUITABLE MATERIAL.

LiRo Engineers, Inc.
3 Aerial Way, Syosset, New York

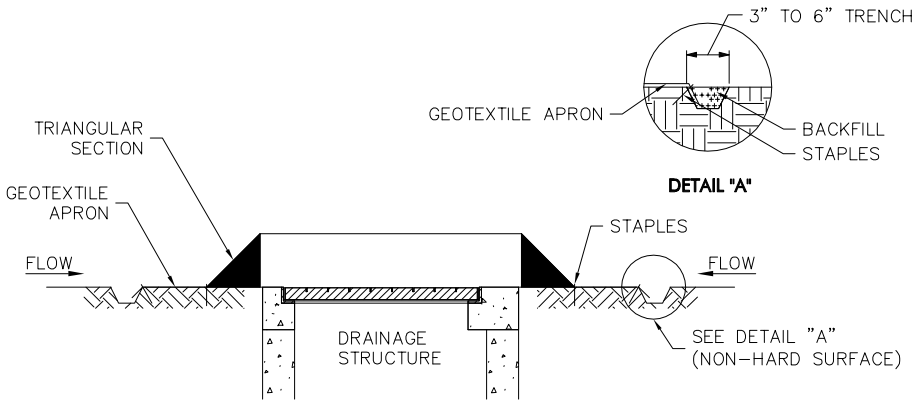
PROJECT:
AIR FORCE PLANT 59
600 MAIN STREET
JOHNSON CITY, NEW YORK

TITLE:
DRAINAGE STRUCTURE INLET PROTECTION (SILT FENCE)

DATE: MAY 2016	FIGURE NO:
SCALE: AS SHOWN	F-4
PROJECT NO: 15-093-1302	
DRAWING BY: DPA	
CHK BY:	



PLAN



CROSS SECTION

APPLICATION NOTES:

A. THE PRIMARY PURPOSE OF DRAINAGE STRUCTURE INLET PROTECTION IS TO PREVENT SEDIMENT FROM ENTERING A DRAINAGE SYSTEM BY PONDING WATER WHICH ALLOWS SEDIMENT TO FALL OUT OF SUSPENSION.

B. THE TOP OF THE INLET PROTECTION SHALL BE SET AT THE MAXIMUM DESIRED WATER LEVEL BASED ON FIELD LOCATION AND CONDITIONS.

NOTES:

1. SECURE THE ENDS OF THE APRON FOR THE PREFABRICATED DRAINAGE STRUCTURE INLET PROTECTION WITH STAPLES AS DETAILED IN THE PLAN VIEW OR AS RECOMMENDED BY THE MANUFACTURER'S LITERATURE.

2. MEASURES SHALL BE INSPECTED EVERY SEVEN (7) DAYS, AFTER EACH RAINFALL OF 1/2" OR MORE WITHIN A 24 HOUR PERIOD, OR DAILY DURING PROLONGED RAINFALL. MEASURES SHALL BE CLEANED AND REPAIRED AS REQUIRED.

3. SEDIMENT SHALL BE REMOVED WHEN ACCUMULATION REACHES ONE-HALF OF THE MEASURE HEIGHT. SEDIMENT SHALL BE DISPOSED OF AS UNSUITABLE MATERIAL.

4. WEEP HOLES SHALL BE PROTECTED BY GEOTEXTILE AND STONE.

5. UPON STABILIZATION OF CONTRIBUTING AREA, WEEP HOLES SHALL BE SEALED AND GEOTEXTILE REMOVED.

6. MAINTENANCE SHALL INCLUDE REPAIR AND RE-BUILDING INLET PROTECTION AS NEEDED TO ENSURE THAT IT FUNCTIONS AS ORIGINALLY INTENDED.

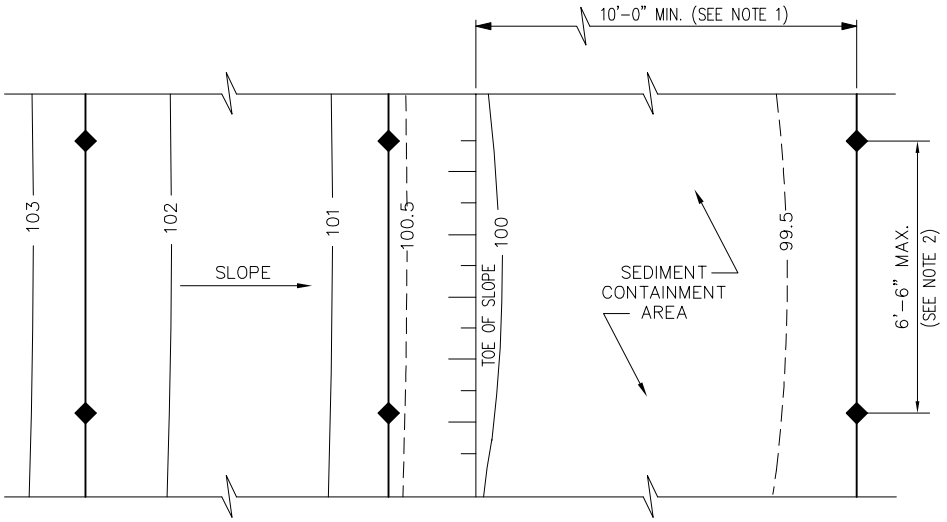
7. INLET PROTECTION - EXCAVATED, FOR THIS PROJECT, SHALL BE INSTALLED AT DRAINAGE LOW POINTS AS SHOWN ON THE PLANS AND AS DETERMINED BY THE ENGINEER.

LiRo Engineers, Inc.
3 Aerial Way, Syosset, New York

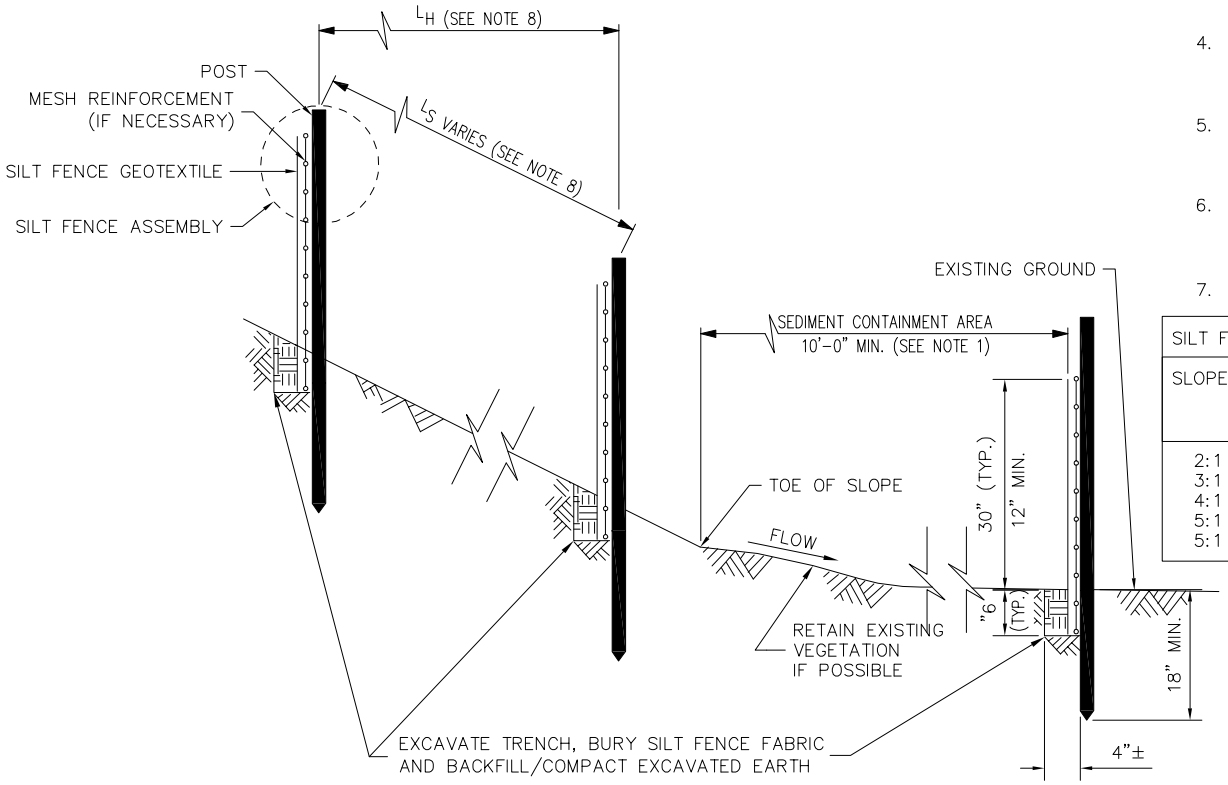
PROJECT:
AIR FORCE PLANT 59
600 MAIN STREET
JOHNSON CITY, NEW YORK

TITLE:
DRAINAGE STRUCTURE INLET PROTECTION (PREFABRICATED)

DATE: MAY 2016	FIGURE NO:
SCALE: AS SHOWN	F-5
PROJECT NO: 15-093-1302	
DRAWING BY: DPA	
CHK BY:	



PLAN



SECTION

APPLICATION NOTES:

A. THE PRIMARY PURPOSE OF A SILT FENCE IS TO REDUCE RUNOFF VELOCITY AND TRAP SEDIMENT. VELOCITY IS REDUCED, WATER IS IMPOUNDED BEHIND THE MEASURE, AND SEDIMENT FALLS OUT OF SUSPENSION.

B. SILT FENCE SHALL BE INSTALLED ON A LINE OF EQUAL ELEVATION (CONTOUR). THEY MAY BE INSTALLED AT INTERMEDIATE POINTS UP SLOPES AS WELL AS AT THE BOTTOM, AS SHOWN IN THE DETAIL.

C. SILT FENCE SHALL NOT BE USED IN OR ACROSS A FLOWINGNATURAL CHANNEL, OR AREAS OF CONCENTRATED FLOW.

NOTES:

1. SILT FENCE SHALL BE PLACED A MINIMUM OF 10'-0" FROM TOE OF SLOPE, TO PROVIDE ADEQUATE AREA FOR SEDIMENT STORAGE AND FACILITATE MAINTENANCE OF SEDIMENT CONTAINMENT AREA.

2. POSTS MAY BE 11/4" X 11/4" (MIN.) HARDWOOD, 11/2" X 31/2" (MIN.) SOFTWOOD, OR 1.3 LB/FT (MIN.) STEEL. SPACING FOR THE PROVIDED SILT FENCE SHALL BE AS DESIGNATED ON THE DEPARTMENT APPROVED LIST FOR SILT FENCE.

3. THE BOTTOM EDGE OF SILT FENCE SHALL BE BURIED A MINIMUM OF 6" BELOW GROUND. THE FENCE SHALL BE INSTALLED WITH THE POSTS ON THE DOWNSTREAM SIDE OF THE FABRIC.

4. MEASURES SHALL BE INSPECTED EVERY SEVEN (7) CALENDAR DAYS OR AFTER EACH RAINFALL OF 1/2" OR MORE WITHIN A 24 HOUR PERIOD. MEASURES SHALL BE CLEANED AND REPAIRED AS REQUIRED.

5. SEDIMENT SHALL BE REMOVED WHEN ACCUMULATION REACHES ONE-HALF OF THE MEASURE HEIGHT. SEDIMENT SHALL BE DISPOSED OF AS UNSUITABLE MATERIAL.

6. DRAINAGE AREAS:
MAXIMUM DRAINAGE AREA TRIBUTARY TO 100'-0" OF SILT FENCE SHALL BE 1/4 ACRE.

7. THE FOLLOWING ARE MAXIMUM SLOPE LENGTHS TO THESE MEASURES:

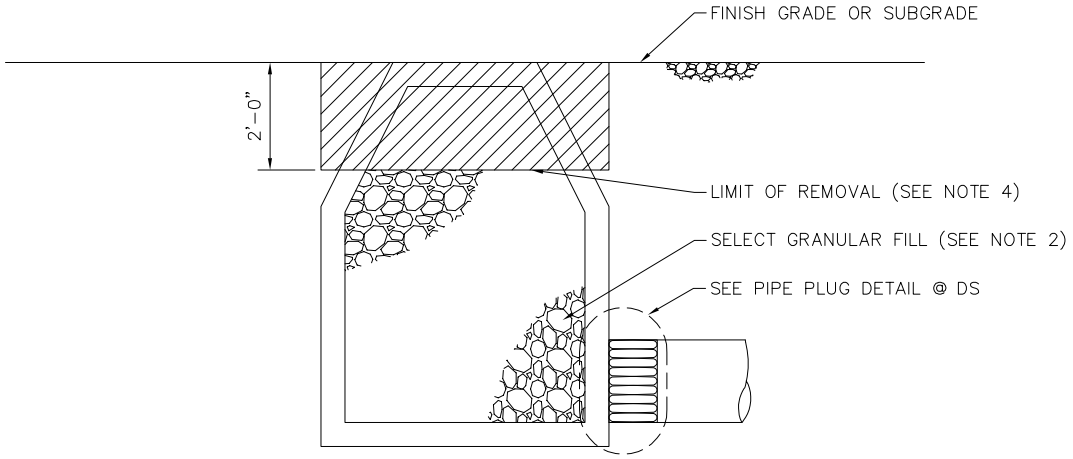
SILT FENCE		
SLOPE	SLOPE LENGTH L_S (FT)	HORIZ LENGTH L_H (FT)
2:1	25	22
3:1	50	47
4:1	75	73
5:1	100	98
5:1	100	98

LiRo Engineers, Inc.
3 Aerial Way, Syosset, New York

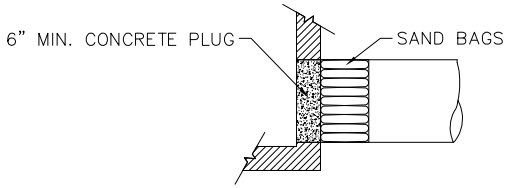
PROJECT:
AIR FORCE PLANT 59
600 MAIN STREET
JOHNSON CITY, NEW YORK

TITLE:
SILT FENCE - TEMPORARY

DATE: MAY 2016	FIGURE NO:
SCALE: AS SHOWN	F-6
PROJECT NO: 15-093-1302	
DRAWING BY: DPA	
CHK BY:	



ALTERING DRAINAGE STRUCTURES AND MANHOLES



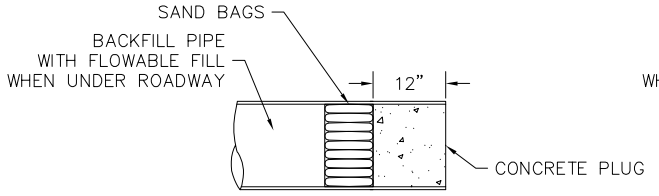
PIPE PLUG DETAIL @ DS

ITEM 604.070501

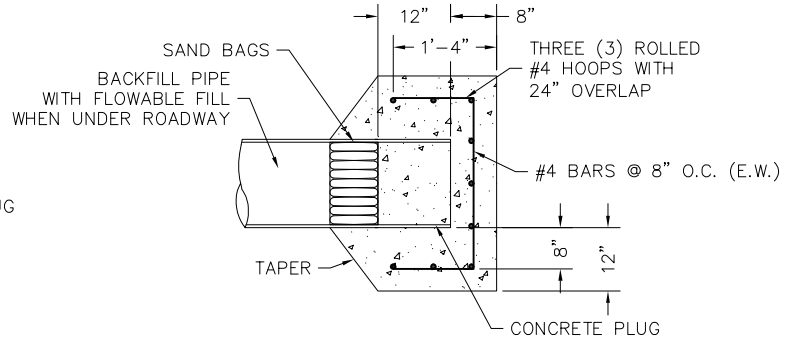
NOTES:

1. DRAINAGE STRUCTURE, LEACHING BASINS AND MANHOLES TO BE ABANDON SHALL HAVE THE TOP REMOVED TO A DEPTH OF 2 FEET BELOW SUBGRADE IN PAVEMENT AREAS OR 2 FEET BELOW FINAL GRADE.

2. ALL PIPES PRESENT IN DRAINAGE STRUCTURE TO BE ABANDON SHALL BE PLUGGED PRIOR TO BACKFILL.



PIPE PLUG DETAIL
(< 42" DIA.)



PIPE PLUG DETAIL
(42" AND 48" DIA.)

LiRo Engineers, Inc.
3 Aerial Way, Syosset, New York

PROJECT:
AIR FORCE PLANT 59
600 MAIN STREET
JOHNSON CITY, NEW YORK

TITLE:
DRAINAGE STRUCTURE, LEACHING BASIN AND MANHOLE ABANDONMENT DETAILS

DATE: MAY 2016	FIGURE NO:
SCALE: AS SHOWN	F-7
PROJECT NO: 15-093-1302	
DRAWING BY: DPA	
CHK BY:	

ITEM 209.11XX0011 – TEMPORARY CATCH BASIN INSERTS FOR DRAINAGE STRUCTURES

DESCRIPTION:
The work shall consist of furnishing, installing, maintaining, removing and disposing of catch basin inserts for drainage structures at the locations indicated in and in accordance with the contract documents and as directed by the Engineer.

MATERIALS:
The following sections of the standard specification shall apply:

Geotextiles	737-01

With the following qualifications:

- the geotextile used shall meet the requirements of Table 737-01G.

The temporary catch basin insert shall be a commercially manufactured system that fits inside a drainage structure and traps sediment transported by runoff.

Flexstorm™
as manufactured by
Advanced Drainage Systems
24137 W. 111th Street – Unit A
Napierville, IL 60564
1.866.287.8655
www.inletfilters.com

Inlet Pro™
as manufactured by
Hanes Geo Components
815 Buxton Street
Winston Salem, NC 27101
1.888.239.4539
www.hanesgeo.com

Dandy Sack®
as manufactured by
Dandy Products, Inc.
P.O. Box 1980
Westerville, OH 43086
1.800.591.2284
www.dandyproducts.com

Ultra-Drain Guard®, Reusable Model
as manufactured by
Ultra Tech International, Inc.
11542 Davis CreekCourt
Jacksonville, FL 32256
1.800.764.9563
www.spillcontainment.com

or equal as approved by the Engineer.

To be approved for use, each temporary catch basin insert for drainage shall have the following features:

- total suspended solids (TSS) removal rate of at least eighty percent (80%) based on visual inspection,
- allow for stormwater event overflow bypass. No product shall be approved unless it includes an overflow mechanism.

ITEM 209.11XX0011 – TEMPORARY CATCH BASIN INSERTS FOR DRAINAGE STRUCTURES

- inserts must be capable of being re-used (after first maintenance activity) a minimum of one time,
- easy to clean and replace geotextile inserts,
- include handles and fasteners to keep the insert from falling into the inlet during maintenance and removal, and
- Not interfere with all traffic modes.

Submittals:
Submit product information to the Engineer thirty (30) days prior to the planned date of installation for review and approval of the system.

CONSTRUCTION DETAILS

The following section of the standard specifications shall apply:

Soil Erosion and Sediment Control 209-3.01

with the following exceptions:

- Torn or punctured silt fence fabric must be replaced
- Sediment deposition removed from the catch basin insert shall be disposed of in accordance with §107-10 E.

Installation: Install the temporary catch basin inserts according to manufacturer's instructions.

Inspection: Using the most restrictive inspection criteria listed below, the Contractor shall inspect catch basins:

- weekly,
- after a rainfall event of 0.5" or more per twenty four (24) hour period,
- as per manufacturer's instructions, and/or
- as per the conditions of the Stormwater Pollution Prevention Plan (SWPPP) (if any exists).

Maintenance: Maintenance shall include the following:

- Remove all accumulated sediment and debris from the vicinity of the catch basin after each rainfall event of 0.5" or more per twenty four (24) hour period and prior to removal of the insert for maintenance.
- Remove insert according to manufacturer's instructions.
- Empty the unit when the catch basin insert's containment area is more than one third (1/3) full or before the sediment/trash/debris reaches the overflow openings.
- Refer to the manufacturer's instructions for emptying and re-installing the catch basin insert. Removal of trash, sediment and debris from the insert shall be done in a manner that ensures no trash, sediment or debris will enter an unprotected catch basin.
- Disposal of the removed sediment shall occur at an upland location away from all stormwater conveyances.

ITEM 209.11XX0011 – TEMPORARY CATCH BASIN INSERTS FOR DRAINAGE STRUCTURES

- Trash shall be disposed of according to §107-10 E. of the standard specifications.
- If a catch basin insert's fabric or strap is torn, dispose of the sediment and debris contained within the unit according to this specification and replace the entire unit.
- When the servicing of a catch basin insert results in a non-functioning or poorly-functioning unit, the unit shall be replaced.
- Catch basin inserts shall be removed prior to winter shut down. Re-installation of the unit(s) shall occur prior to ground disturbance or first thaw in the following spring, whichever occurs first, and according to manufacturer's instructions.

Catch basin inserts shall be removed according to §209-3.01 and disposed of according to §107-10 E. after all soil disturbance areas have been fully stabilized with an established, permanent and approved vegetative cover at a uniform density of eighty percent (80%).

METHOD OF MEASUREMENT

The work will be measured as the number of each catch basin insert for drainage structures furnished, installed, maintained, removed and disposed of.

BASIS OF PAYMENT

The unit price bid for each catch basin insert for drainage structures furnished, installed, maintained, removed and disposed of shall include the cost of all labor, materials, and equipment necessary to satisfactorily complete the work.

Payment will be made under:

Item Number	Description	Unit
209.11010011	Temporary Catch Basin Inserts for Drainage Structures – Trash, Sediment and Debris Removal	EA
209.11020011	Temporary Catch Basin Inserts for Drainage Structures – Oil, Hydrocarbons, Trash, Sediment and Debris Removal	EA
209.11030011	Temporary Catch Basin Inserts for Drainage Structures – Oil and Hydrocarbon Absorbent Pouches	EA

NYSDEC
SECTION 3
VEGETATIVE MEASURES
FOR EROSION AND SEDIMENT CONTROL

Mix #6
Creeping red fescue Ensylva, Pennlawn, Boreal 20 .45
Tall fescue KY 31, Rebel 20 .45
Perennial ryegrass Pennfine, Linn 5 .10
Birdsfoot trefoil Empire, Pardee 10 .45
*General purpose erosion control mix. Not to be used for a turf planting or play grounds.

Method of seeding: Broadcasting, drilling, cultipack type

STANDARD AND SPECIFICATIONS

FOR PERMANENT CRITICAL AREA PLANTINGS

Variety lbs./acre lbs/1000 sq. ft.

Birdsfoot

trefoil1 OR

Empire/Pardee 82 0.20

Common white

clover1

Common 8 0.20

PLUS

Tall fescue KY-31/Rebel 20 0.45

PLUS

Redtop OR Common 2 0.05

Ryegrass

(perennial)

Pennfine/Linn 5 0.10

Seeding, or hydroseeding are acceptable methods. Proper soil to seed contact is key to successful seedings.

Mulching: Mulching is essential to obtain a uniform stand of seeded plants. Optimum benefits of mulching new seedings are obtained with the use of small grain straw applied at a rate of 2 tons per acre, and anchored with a netting or tackifier. See the mulch standard and specification for choices and requirements.

APPENDIX G

Existing Site and Grading Plan

1 STORY BRICK BUILDING

LITTLE CHOCONUT CREEK

LEGEND:

- FLOOD PROTECTION EASEMENT
- PROPERTY LINE
- STREAM BANK
- CHAIN-LINK FENCE

60 0 60
SCALE IN FEET

NO.	DATE	DESCRIPTION
REVISIONS		

LiRo Engineers, Inc.
690 Delaware Avenue
Buffalo, New York

PROJ. ENG.:	
DESIGNED BY:	
CHECKED BY:	
DRAWN BY:	
CLIENT:	NORTHSTAR FEDERAL SERVICES
DATE:	MAY 2016
SCALE:	AS SHOWN
JOB TITLE AND LOCATION:	AIR FORCE PLANT 59 600 MAIN STREET JOHNSON CITY, NEW YORK
DRAWING TITLE:	EXISTING SITE PLAN
LIRO JOB NO.:	15-093-1302
SHEET OF	
FIGURE NO.	G-1

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APPENDIX H

Final Grading Plan and Details

ADJUST MH TO FINISH GRADE
WITH CONCRETE RINGS OR
CONCRETE PAVERS (TYP.)
(AS NECESSARY)

160'±

24" RCP
SANITARY SEWER
(PROTECT)

PROVIDE GRATED
MANHOLE COVER

TRANSFORMER

TRANSFORMER

CB-12619

CB-12620

CB-13845

CB-11382

LITTLE CHOCONUT CREEK

HIGHWAY BOUNDARY

834
833
832
831
830
829

NOTE:

PIPING AT ABANDONED/REMOVED DRAINAGE INLETS OR STORM MANHOLES WILL BE REMOVED OR PLUGGED AND ABANDONED DEPENDING ON DEPTH.

LEGEND:

- FLOOD PROTECTION EASEMENT
- PROPERTY LINE
- STREAM BANK
- CHAIN-LINK FENCE

60 0 60
SCALE IN FEET

NO.	DATE	DESCRIPTION
REVISIONS		

LiRo Engineers, Inc.
690 Delaware Avenue
Buffalo, New York

PROJ. ENG.:
DESIGNED BY:
CHECKED BY:
DRAWN BY:

CLIENT: NORTHSTAR FEDERAL SERVICES

DATE: MAY 2016
SCALE: AS SHOWN

JOB TITLE AND LOCATION:
AIR FORCE PLANT 59
600 MAIN STREET
JOHNSON CITY, NEW YORK

DRAWING TITLE:
SITE RESTORATION
GRADING PLAN

LIRO JOB NO.: 15-093-1302
SHEET OF
FIGURE NO. H-1

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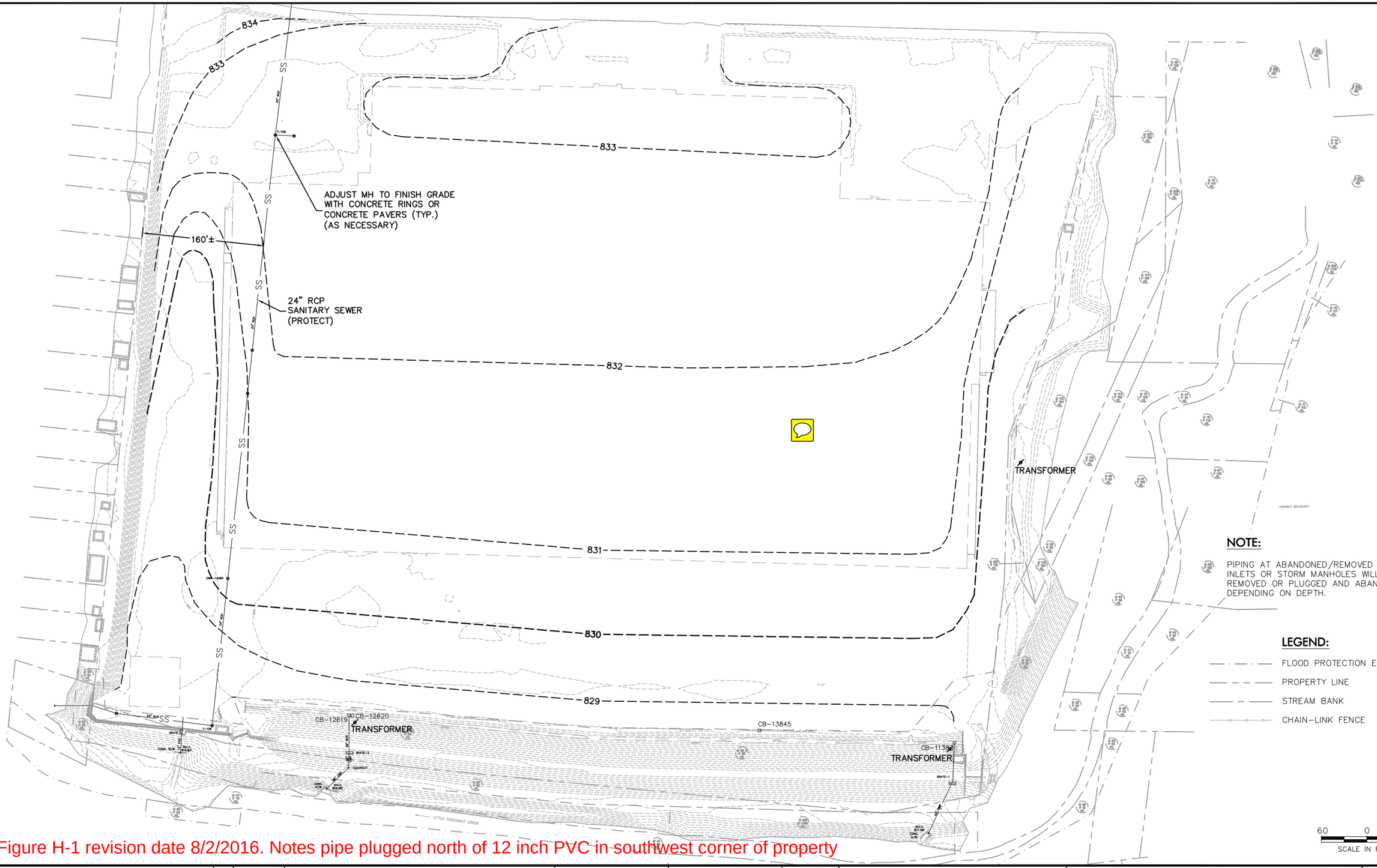

NOTE:

PIPING AT ABANDONED/REMOVED DRAINAGE INLETS OR STORM MANHOLES WILL BE REMOVED OR PLUGGED AND ABANDONED DEPENDING ON DEPTH.

LEGEND:

- FLOOD PROTECTION EASEMENT
- PROPERTY LINE
- STREAM BANK
- CHAIN-LINK FENCE

60 0 60
SCALE IN FEET

See Figure H-1 revision date 8/2/2016. Notes pipe plugged north of 12 inch PVC in southwest corner of property

NO.	DATE	DESCRIPTION
		REVISIONS

LiRo Engineers, Inc.
690 Delaware Avenue
Buffalo, New York

PROJ. ENG.:	
DESIGNED BY:	
CHECKED BY:	
DRAWN BY:	
CLIENT:	NORTHSTAR FEDERAL SERVICES
DATE:	MAY 2016
SCALE:	AS SHOWN
JOB TITLE AND LOCATION:	AIR FORCE PLANT 59 600 MAIN STREET JOHNSON CITY, NEW YORK
DRAWING TITLE:	SITE RESTORATION GRADING PLAN
LIRO JOB NO.:	15-093-1302
SHEET	OF
FIGURE NO.	H-1

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APPENDIX I

Construction Inspection Form

MURK 6 (03/14) ○ Metric ◉ English

SPDES STORMWATER INSPECTION REPORT

JOB STAMP

Decontamination and Demolition of Air Force Plant 59. Johnson City, New York

Date: _____

Day of Week: S M T W T F S

Sheet No. ____ of ____

	AM		PM	
Weather				
Temperature		° F		° F
Soil Condition				

This form is to be used on contracts covered by the SPDES General Permit for Stormwater Discharges from Construction Activity. The completed form must be filed in the Engineer's Field Office and distributed to contractors.

Reason for this Inspection:

☐ 7-calendar day inspection ☐ 30-day inspection (temporary shut-down)

☐ Second inspection in 7-calendar-day period due to soil disturbance exceeding 5 Acres

Codes for Erosion and Sediment control measures and Stormwater Management Practices to be inspected: (1) mulch, (2) seed and mulch, (3) check dams, (4) straw bales, (5) silt fence, (6) sediment trap, (7) turbidity curtains, (8) pipe slope drains, (9) drainage structure inlet protection, (10) rolled erosion control products, (11) soil stabilizers, (12) construction access/exits, (13) pipe inlet/outlet protection, (14) water diversion structures, (15) sedimentation basins, (16) coffer dams, (17) staging area, (18) stockpile stabilization, (19) Other _____

List ONLY those practices that require repair, maintenance, reinstallation or replacement. Attach COLOR copies of photographs to this report **with accurate date stamp** that shows the condition of practices **identified** as needing corrective action within 7 calendar days of the inspection. Attach COLOR copies of photographs to this report with **accurate date stamp** showing the condition of the practice(s) after completion of the corrective actions that document the completion of the **corrective** actions within a reasonable timeframe after the inspection.

ID	Location of Practice (Use stations or descriptions)	Practice		Remarks (Describe Specific Maintenance Required)(Including sediment removal, replacement, replacement or installation of practice)
		Code #	Temp or Perm? (T or P)	
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

MURK 6 REVERSE
(04/14)

ID	Location of Practice (Use stations or descriptions)	Practice		Remarks (Describe Specific Maintenance Required)(Including sediment removal, replacement, replacement or installation of practice)
		Code #	Temp or Perm? (T or P)	
11				
12				
13				
14				
15				

Attach a location map showing all disturbed areas and areas stabilized since the last inspection.

Identify all locations where stormwater is discharged from the site to a Water of the U.S. (e.g. streams, lakes, wetlands, etc.) within or adjacent to the limits of construction, and all locations where stormwater exits the construction site. Describe the condition of the stormwater and the condition of the receiving waterbodies. Add Form MURK 6-2 for continuation as necessary.

	Location of Outlet (STA / OFFSET)	Type of Outlet (e.g. pipe, ditch, overland flow,etc.)	Does this discharge to a Water of the US?	Describe Runoff (if any) (e.g. clear, turbid, oily)	Describe Runoff (if any) (e.g. clear, turbid, oily, unknown)
1					
2					
3					

Number of Acres currently disturbed: _____

If more than 5 Acres of soil disturbed at any one time, was Form HC209 sent to NYSDEC? _____

Describe existing deficiencies in the SWPPP. Specify for each location using row ID number from front

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

Were significant deficiencies identified that require the SWPPP to be revised: ☐ Yes ☐ No

If Yes, complete a CONR-8 SWPPP Revision Form and file in the Engineer's Field Office

NOTE: Within 1 business day of completion of this inspection, the Contractor(s) must be notified of any corrective actions required. The Contractor(s) or identified Sub-Contractor(s) shall begin corrective actions within 1 business day of notification, and shall complete corrective actions within 1 business day of notification or within a reasonable timeframe for complex corrective actions.

Qualified Inspector Name/Title
Company Name (If Consultant) _____

Qualified Inspector Signature: _____ Prepared: _____ (Date) Copy to Contractor: _____ (Date)

Reviewed By: _____

☐ Engineer-in-Charge
☐ Resident Engineer
☐ Area Supervisor

Date Reviewed: _____ (Date)

☐ MURK 6-1 SPDES Stormwater Inspection Report - Continuation attached

☐ MURK 6-2 SPDES Stormwater Outlets to Waters of the U.S. - Continuation attached

APPENDIX J

SWPPP Certification Statements

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

SWPPP Preparer Certification Form

SPDES General Permit for Stormwater Discharges From Construction Activity (GP-0-15-002)

Project Site Information

Project/Site Name

Air Force Plant (AFP) 59

Owner/Operator Information

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

United States Air Force

Certification Statement – SWPPP Preparer

I hereby certify that the Stormwater Pollution Prevention Plan (SWPPP) for this project has been prepared in accordance with the terms and conditions of the GP-0-15-002. Furthermore, I understand that certifying false, incorrect or inaccurate information is a violation of this permit and the laws of the State of New York and could subject me to criminal, civil and/or administrative proceedings.

Michael	F	Lydle
First name	MI	Last Name

Signature

5/11/2016
Date

Revised: April 2015