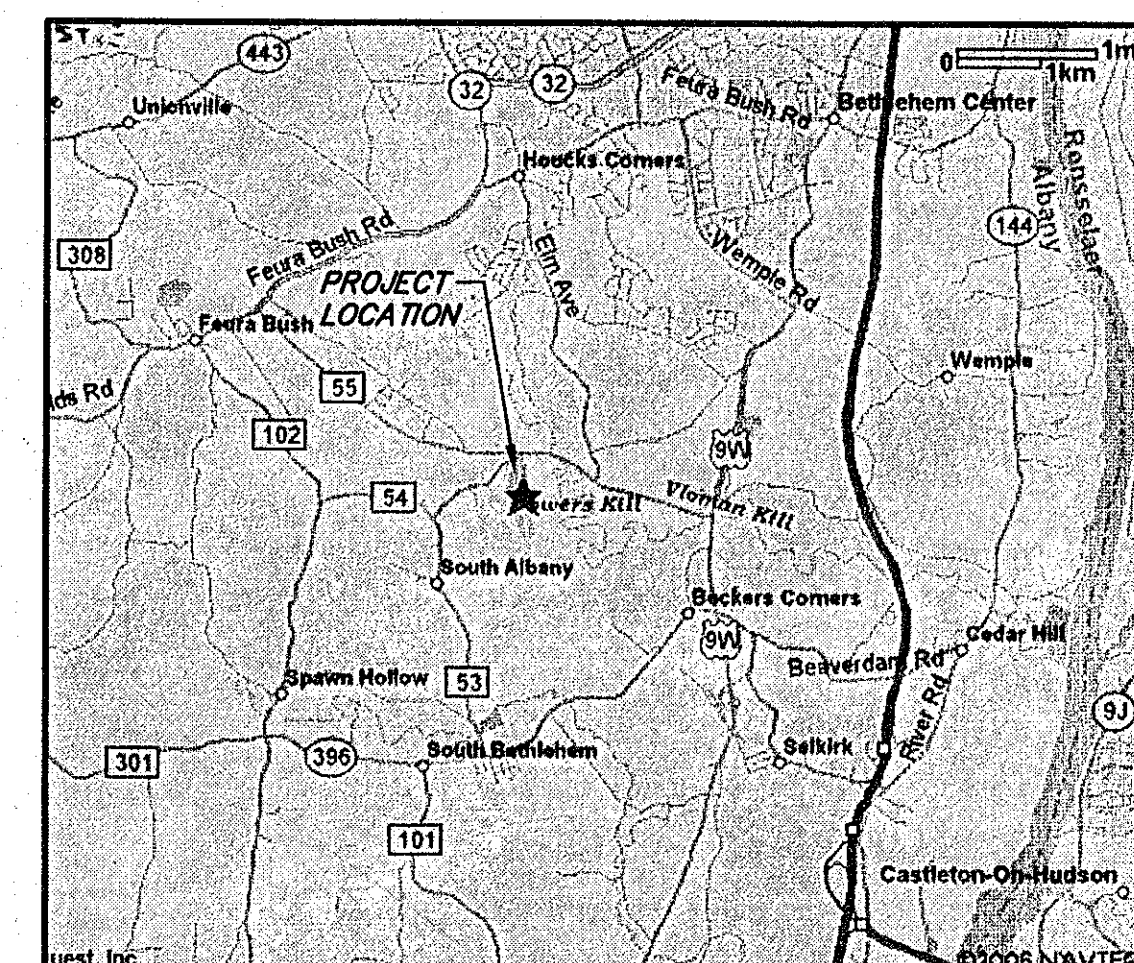


CONTRACT DRAWINGS FOR

TRANSIENT AIRCRAFT PARKING APRON AND T-HANGAR

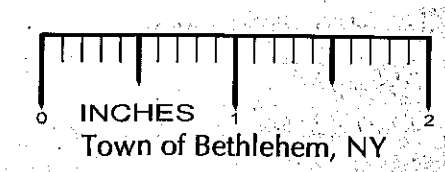
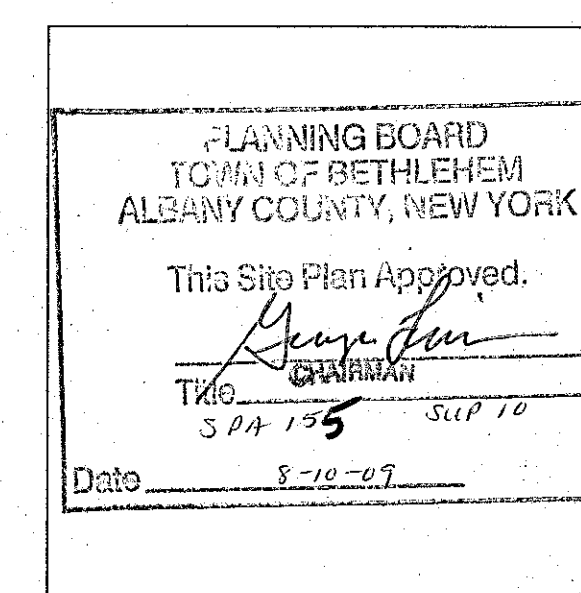
SOUTH ALBANY AIRPORT (4B0)
SELKIRK, NEW YORK

SOUTH ALBANY AIRPORT CORPORATION
SELKIRK, NEW YORK
JULY, 2009



LOCATION MAP
NOT TO SCALE

TOWN OF BETHLEHEM
PLANNING BOARD APPROVAL



OWNER/APPLICANT:
SOUTH ALBANY AIRPORT CORPORATION

RECEIVED
AUG 10 2009

PLANNING BOARD
TOWN OF BETHLEHEM

SITE PLAN REVIEW

NEW YORK STATE DEPARTMENT OF TRANSPORTATION
PROJECT NO. 1915.52

Passero Associates
100 Liberty Pole Way, Rochester, NY 14604
585-325-1000 FAX: 585-325-1091 www.passero.com
Engineering Surveying
Architecture Planning



SUBMITTED BY: Shawn R. Bray DATE: 08/01/09
SHAWN R. BRAY, P.E.
N.Y.S.P.E. LICENSE NO. 071383

SOUTH ALBANY AIRPORT

APPROVED BY: _____ DATE: _____
PRESIDENT

NEW YORK STATE
DEPARTMENT OF TRANSPORTATION

APPROVED BY: _____ DATE: _____
DIRECTOR

SPA 155

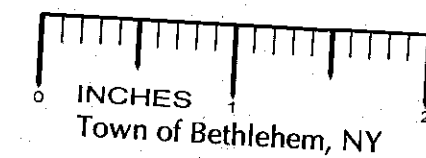
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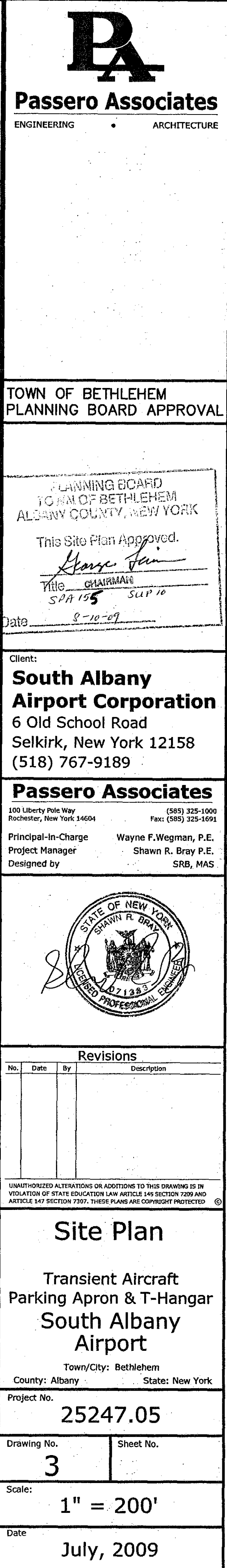
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ENGINEERING • ARCHITECTURE

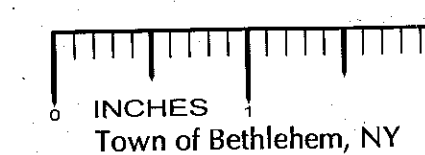
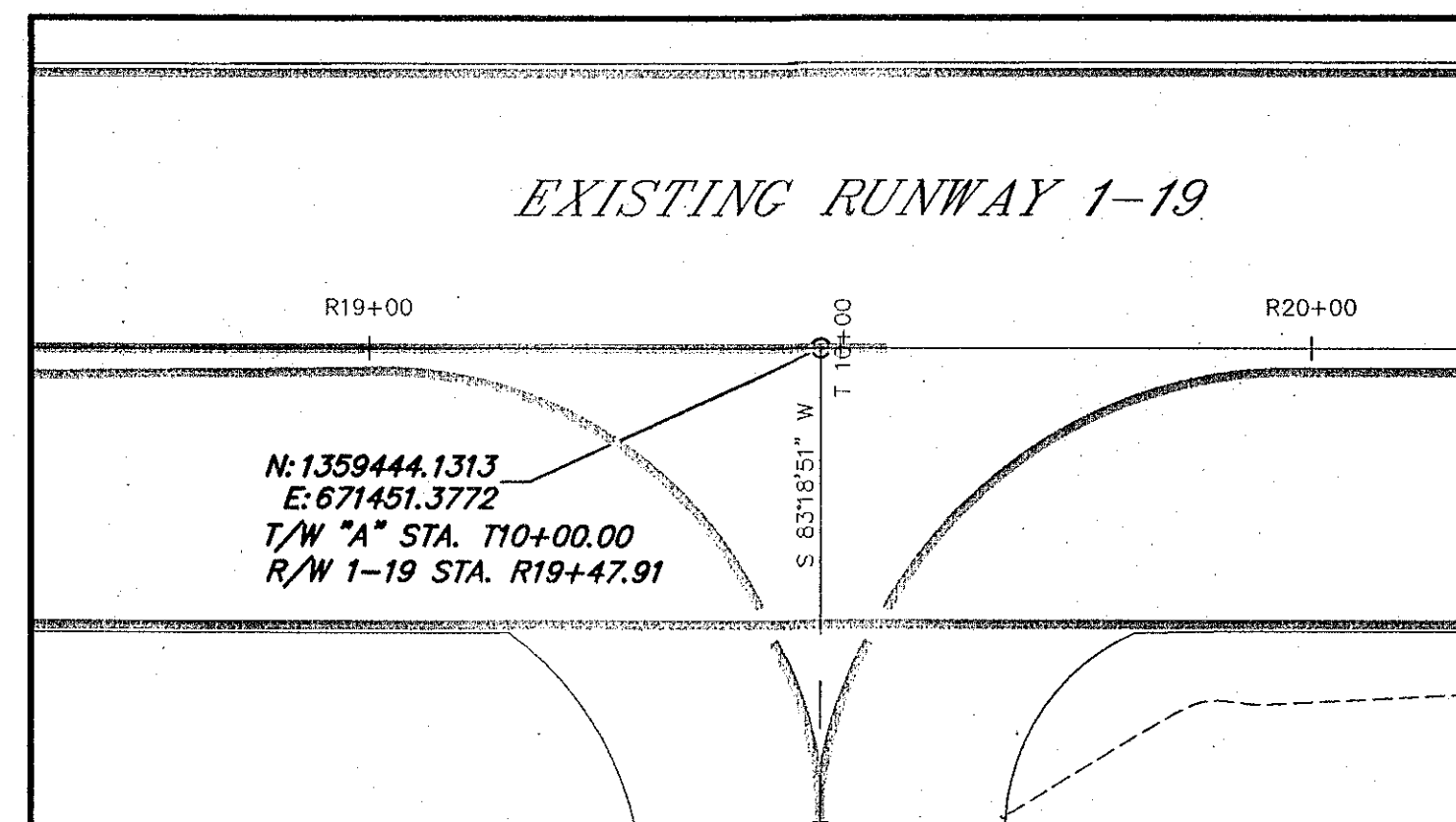
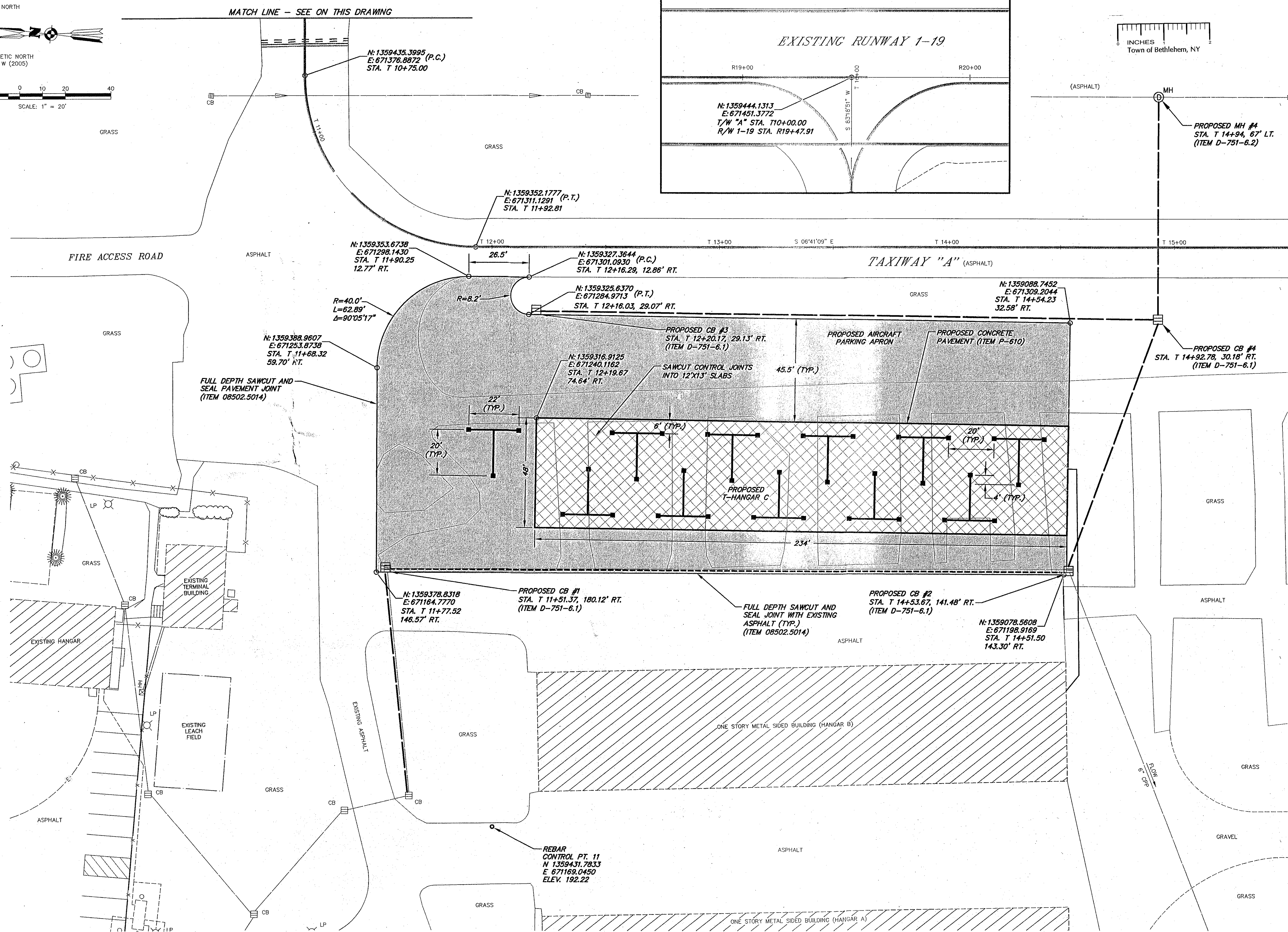
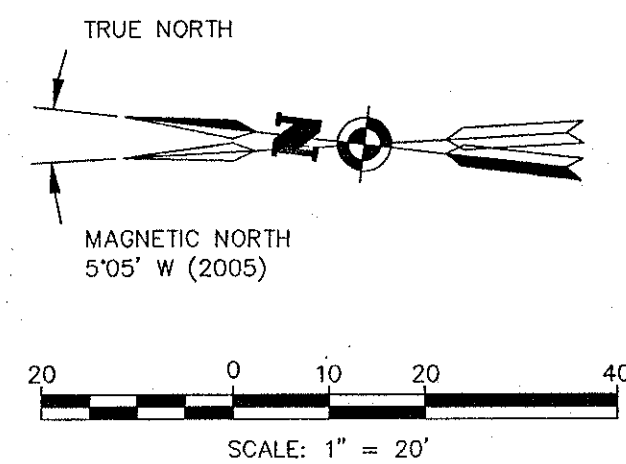
Date July, 2009

SPEC ITEM NO.	DESCRIPTION	QUANTITY/ UNIT	
08502.5014	SAWCUTTING	780	LF
A-300.2	TIE-DOWN ANCHORS (IN PAVEMENT)	36	EA
D-701.08	8" DIA. HDPE PIPE, SMOOTH INTERIOR	550	LF
D-701.12ES	12" CORRUGATED STEEL PIPE END SECTION	1	EA
D-701.18	18" DIA. HDPE PIPE, SMOOTH INTERIOR	150	LF
D-701.21ES	21" CORRUGATED STEEL PIPE END SECTION	2	EA
D-705-6.1	6" PERFORATED CORRUGATED POLYETHYLENE UNDERDRAIN TUBING AND FITTINGS	300	LF
D-710	STABILIZATION FABRIC	3,500	SY
D-751-6.1	CATCH BASIN, COMPLETE	4	EA
L-110-6.2	2" GALVANIZED RIGID STEEL CONDUIT (INCLUDING EXCAVATION AND BACKFILL)	210	LF
P-152-6.1	UNCLASSIFIED EXCAVATION	1,500	CY
P-152-6.3	EMBANKMENT IN PLACE	100	CY
P-155	SUBBASE COURSE	750	CY
P-156	SOIL EROSION AND SILTATION CONTROL	1	LS
P-409-5.1	19mm F9 SUPERPAVE HMA, 70 SERIES COMPACTION, NYSDOT ITEM 402.197901M	500	TON
P-409-5.2	12.5mm F3 SUPERPAVE HMA, 70 SERIES COMPACTION, NYSDOT ITEM 402.127301M	300	TON
P-610	CONCRETE PAVEMENT	11,300	SF
P-612.1	ENGINEER'S FIELD OFFICE	1	FIXED
P-620	RUNWAY AND TAXIWAY PAINTING	700	SF
S-140.1	SPOIL AREA/STOCKPILE	1	LS
S-126-5.1	PROJECT SURVEY AND STAKEOUT	1	LS
T-901	SEEDING	0.2	AC
T-905	TOPSOILING	100	CY
M-100	MAINTENANCE & PROTECTION OF TRAFFIC	1	LS
M-200	MOBILIZATION (4% SUB. MAX)	1	LS

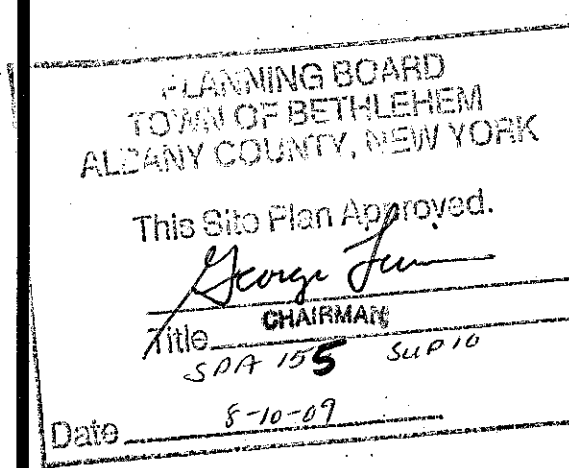




BLDG. #	USE	BLDG. AREA (S.F.)
1	EQUIPMENT STORAGE	1,425
2	PRIVATE HANGAR	1,820
3	TERMINAL BUILDING	980
4	AIRCRAFT HANGAR B	11,670
5	AIRCRAFT HANGAR A	11,670
6	AIRCRAFT STORAGE	855
7	PRIVATE HANGAR	660



TOWN OF BETHLEHEM PLANNING BOARD APPROVAL



Client:
**South Albany
Airport Corporation**
6 Old School Road
Selkirk, New York 12158
(518) 767-9189

Passero Associates
19053101/PA/PA/05/Map (888) 233-6808
Passero Associates, Inc. 002010004 Fax: (518) 753-6607
Certificate of Authorization # 3420
Principal-in-Charge Wayne F. Wegman, P.E.
Project Manager Shawn R. Bray P.E.
Designed by SRB, MAS



Revisions			
No.	Date	By	Description

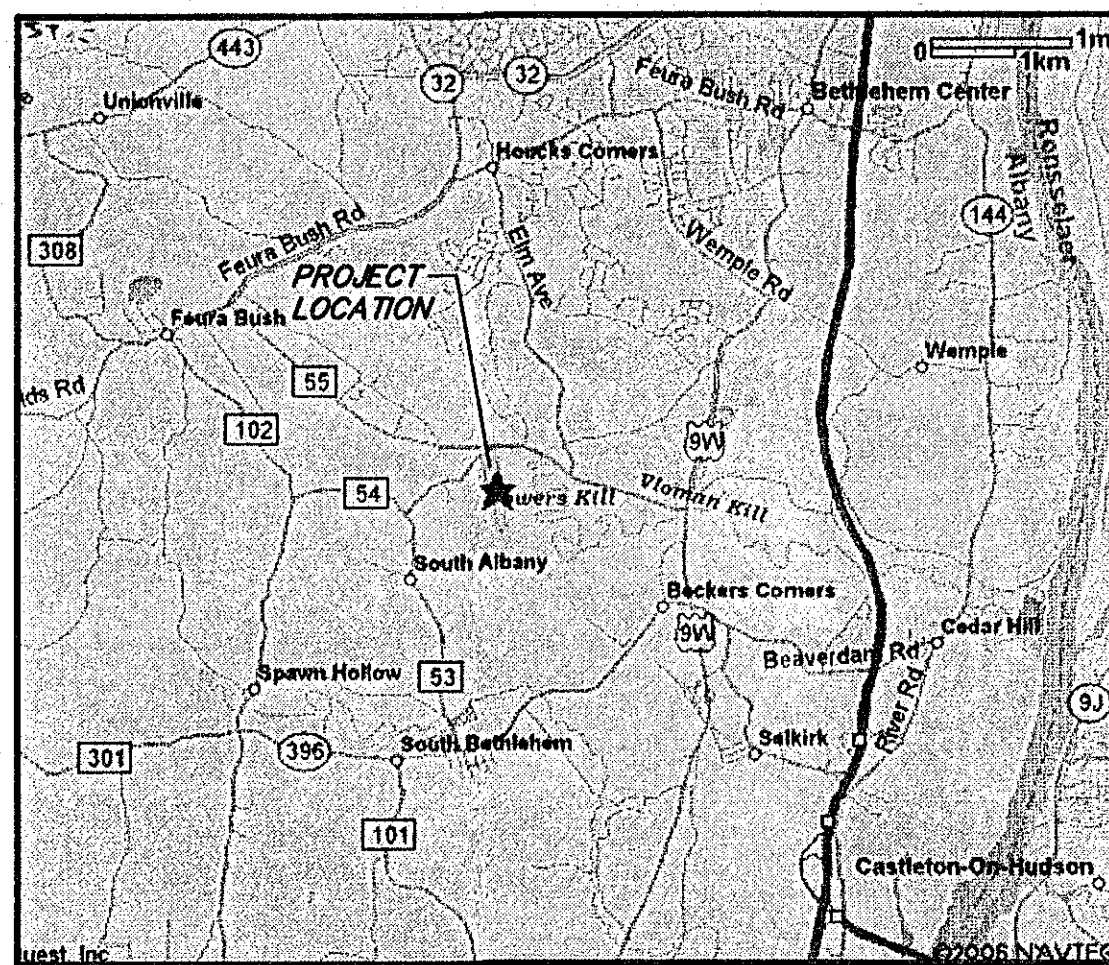
Geometry Plan
Transient Aircraft
Parking Apron & T-Hangar
South Albany
Airport
Town/City: Bethlehem
County: Albany State: New York
Project No.
25247.05
Drawing No.
4 Sheet No.
Scale:
1" = 20'
Date
July, 2009

TOWN OF BETHLEHEM
PLANNING BOARD APPROVAL

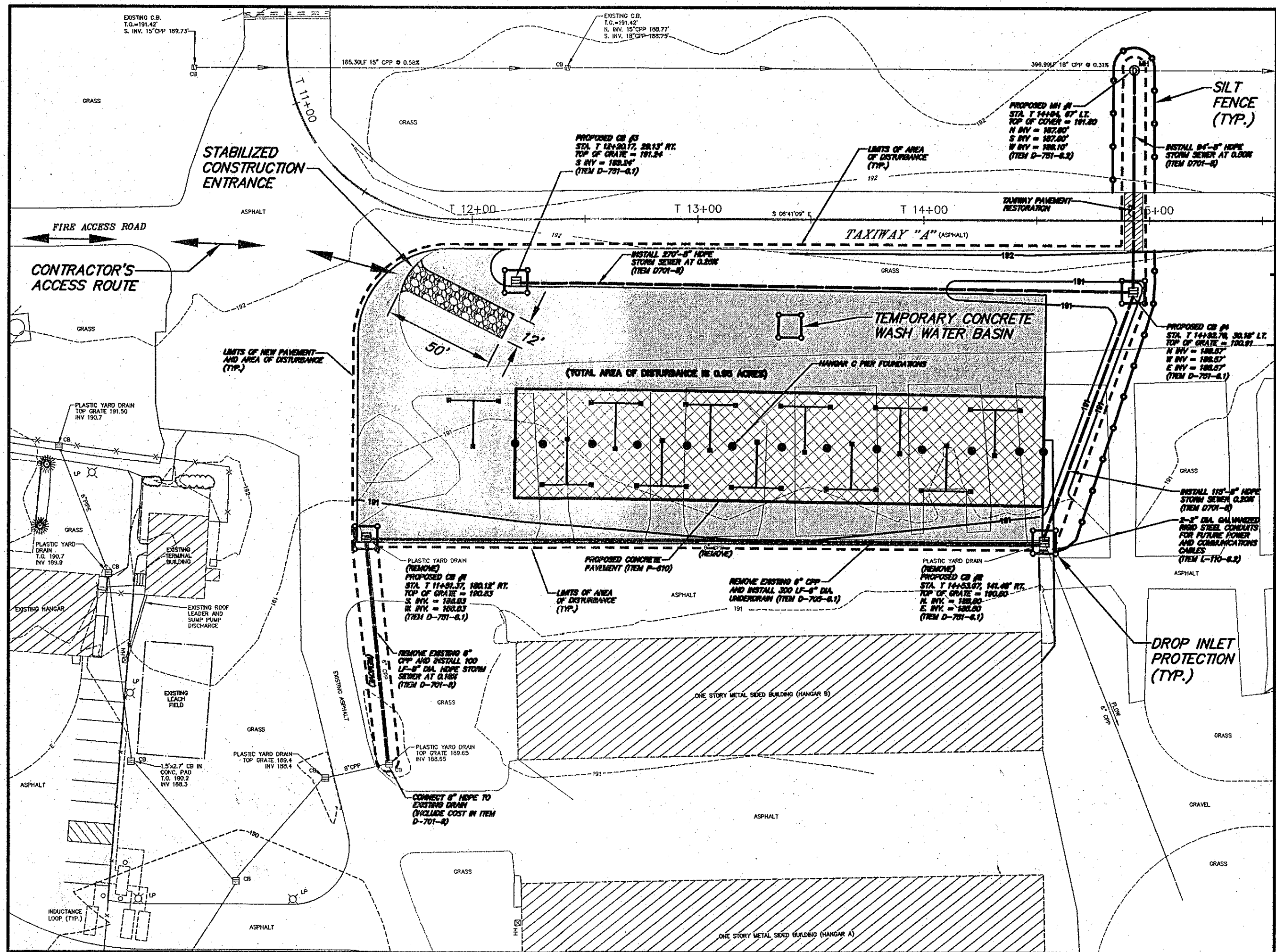
doi:10.1371/journal.pone.0161775.g002

* REFER TO DRAWING NO. 3 FOR LOCATIONS

0 INCHES 1
Town of Bethlehem, NY



LOCATION MAP
NOT TO SCALE

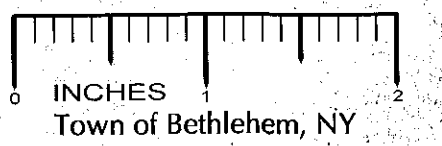


PLAN - EROSION AND SEDIMENT CONTROL

SCALE: 1"=40'

SOIL EROSION CONTROL NOTES:

1. THE SOIL EROSION AND WATER POLLUTION CONTROL PLANS AND DETAILS AS SHOWN ARE INTENDED TO REFLECT THE MINIMUM REQUIREMENTS TO SATISFY ITEM P-156.
 2. ALL NECESSARY PRECAUTIONS SHALL BE TAKEN TO PREVENT CONTAMINATION OF ANY EXISTING ADJACENT STREAMS BY SILT, SEDIMENT, FUELS, SOLVENTS, LUBRICANTS EPOXY COATINGS, CONCRETE LEACHATE, OR ANY OTHER POLLUTANT ASSOCIATED WITH CONSTRUCTION AND CONSTRUCTION PROCEDURES.
 3. DURING CONSTRUCTION, NO WET OR FRESH CONCRETE OR LEACHATE SHALL BE ALLOWED TO ESCAPE INTO THE WATERS OF NEW YORK STATE NOR SHALL WASHINGS FROM CONCRETE TRUCKS, MIXERS, OR OTHER DEVICES BE ALLOWED TO ENTER ANY WETLAND OR WATERS.
 4. ANY DEBRIS OR EXCESS MATERIALS FROM CONSTRUCTION OF THIS PROJECT SHALL BE IMMEDIATELY AND COMPLETELY REMOVED FROM THE BED AND BANKS OF ALL WATER AREAS TO AN APPROPRIATE UPLAND AREA FOR DISPOSAL.
 5. ALL EXCAVATED MATERIAL SHALL BE DISPOSED OF ON AN UPLAND SITE AND BE SUITABLY STABILIZED SO THAT IT CANNOT REASONABLY RE-ENTER ANY WATER BODY OR WETLAND AREA.
 6. THE STAKES SHALL BE DRIVEN INTO THE GROUND IN SUCH A MANNER THAT THE STRAW BALES ARE FORCED TOGETHER AND SECURED IN PLACE.
 7. PERIODIC CLEANING AND MAINTENANCE OF TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL DEVICES MAY BE NECESSARY AND WILL BE REQUIRED AS DETERMINED BY THE ENGINEER.
 8. EROSION CONTROLS SHALL BE PLACED AS DIRECTED BY THE ENGINEER PRIOR TO STARTING EARTHWORK OPERATIONS AND SHALL REMAIN IN PLACE UNTIL THE NEW SLOPES ARE STABILIZED WITH SEEDING AND/OR SLOPE PROTECTION AND PERMANENT VEGETATION IS AT LEAST 2" HIGH.
 9. IN THE EVENT DEWATERING OPERATIONS BECOME NECESSARY, A SETTLING BASIN WILL BE REQUIRED UNLESS THE PUMP DISCHARGE IS AS CLEAR AND FREE OF SEDIMENT AS ADJACENT FLOWING STREAMS.
 10. THE COST OF INSTALLING, CLEANING, MAINTAINING & REMOVING TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL DEVICES SHALL BE PAID FOR UNDER ITEM P-156.
- CONSTRUCTION SCHEDULE
1. Obtain plan approval and building permit.
 2. Set up contractor staging area and engineer's office.
 3. Set up maintenance and protection of traffic measures as specified on plans.
 4. Install stabilized construction entrance, silt fence and other erosion control measures as specified on plans.
 5. Strip and stockpile topsoil.
 6. Demolition of existing bituminous pavement and aircraft tie-down anchors.
 7. Excavation for building foundation.
 8. Form and pour footings and piers.
 9. Backfill and compact subgrade, install building slab.
 10. Erect building structure.
 11. Installation of storm sewers, and underdrain. Install filter fabric drop inlet protection.
 12. Stabilize disturbed areas and stockpiles within 14 days of last construction activity in that area.
 13. Place subbase material and pavement structure.
 14. When pavement structure is complete, install final pavement markings.
 15. Final grading, seeding, and mulching of all disturbed areas.
 16. When all work areas are complete and the entire area is stabilized, remove the erosion control and maintenance and protection of traffic measures.
 17. Estimated time to complete work - 4 months.



Planned Erosion and Sediment Control Practices

Temporary Stabilized Construction Entrance

A temporary stabilized construction entrance will be installed at the northeast corner of the construction site where construction vehicle will enter on to the existing asphalt pavement access route. The entrance will be constructed according to the details shown on the plans and the New York Standards and Specifications for Erosion and Sediment Control.

Drop Inlet Protection

Drop inlet protection will be installed at four proposed catch basin structures located at the corners of the site. The devices will be constructed according to the details shown on the plans.

Siltation Fence

A siltation barrier constructed according to the details shown on the plans will be installed adjacent to the storm drain pipe excavation and across the south portion of the construction site where sediment has the potential to migrate across undisturbed land. The remaining boundaries of the site are adjacent to existing pavements where silt fence would be inappropriate.

Surface Stabilization

Temporary Stabilization - Disturbed portions of the site where construction activity temporarily ceases for at least 21 days will be stabilized with temporary seed and mulch no later than 14 days from the last construction activity in that area. The temporary seed shall be Rye (grain) applied at the rate of 120 pounds per acre. Prior to seeding, 2,000 pounds per acre of ground agricultural limestone and 1,000 pounds per acre of 10-10-10 fertilizer shall be applied. Areas of the site which are to be paved will be temporarily stabilized by applying geotextile and stone sub-base until bituminous pavement can be installed.

Narrative

Project Description

The project will consist of constructing a 10 bay open T-hanger with an approximately 234' x 48' concrete slab and approximately 24,000 square feet of asphalt pavement, including installation of drainage improvements and pavement markings. Soil disturbing activities will include grading, clearing, installation of catch basins and storm drains, construction of both flexible and rigid pavement, and preparation of disturbed areas for topsoil and seeding. The total area of disturbance is 0.99 acres.

Site Description

The area of proposed development is currently used as an aircraft tie-down area. The new hangar location is between an existing T-hanger building and the parallel taxiway "Taxiway A". The topography is flat with slopes less than 2% in any direction. The ground cover in the area is a mix of asphalt pavement and turf.

Adjacent Property

Adjacent parcels are zoned Rural Light Industrial (RLI), Heavy Industrial (I) and Residential A (RA). Residences are located to the north and west of the site. The CSX Transportation rail yards are located to the south and west. Parcels to the east are primarily agricultural.

Soils

Soils on the site are Rhinebeck silty clay loam, 0 to 3 percent slopes (RhA) according to USDA Natural Resources Conservation Service National Cooperative Soil Survey for Albany County, New York. This nearly level soil is very deep and somewhat poorly drained. The seasonal high water table in this soil is typically at a depth of 1/2 foot to 1 1/2 feet. Depth to bedrock is more than 60 inches. Permeability is moderately slow in the surface and subsurface layers and slow below. The available water capacity is moderate and runoff is slow.



Passero Associates
ENGINEERING • ARCHITECTURE

TOWN OF BETHLEHEM
PLANNING BOARD APPROVAL

PLANNING BOARD
TOWN OF BETHLEHEM
ALBANY COUNTY, NEW YORK

This Site Plan Approved.
George J. Fin
CHAIRMAN
SPR 155 SLIP 10

Date: 8-10-09

Client:

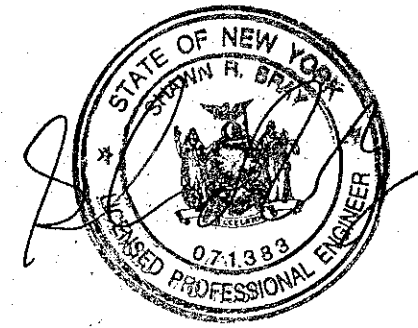
**South Albany
Airport Corporation**
6 Old School Road
Selkirk, New York 12158
(518) 767-9189

Passero Associates

100 Liberty Pole Way
Rochester, New York 14604

(585) 325-1000
Fax: (585) 325-1091

Principal-in-Charge: Wayne F. Wegman, P.E.
Project Manager: Shawn R. Bray P.E.
Designed by: SRB, MAS



Revisions

No.	Date	By	Description

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**Erosion and Sediment
Control Plan**

**Transient Aircraft
Parking Apron & T-Hangar
South Albany
Airport**

Town/City: Bethlehem
County: Albany State: New York

Project No.
25247.05

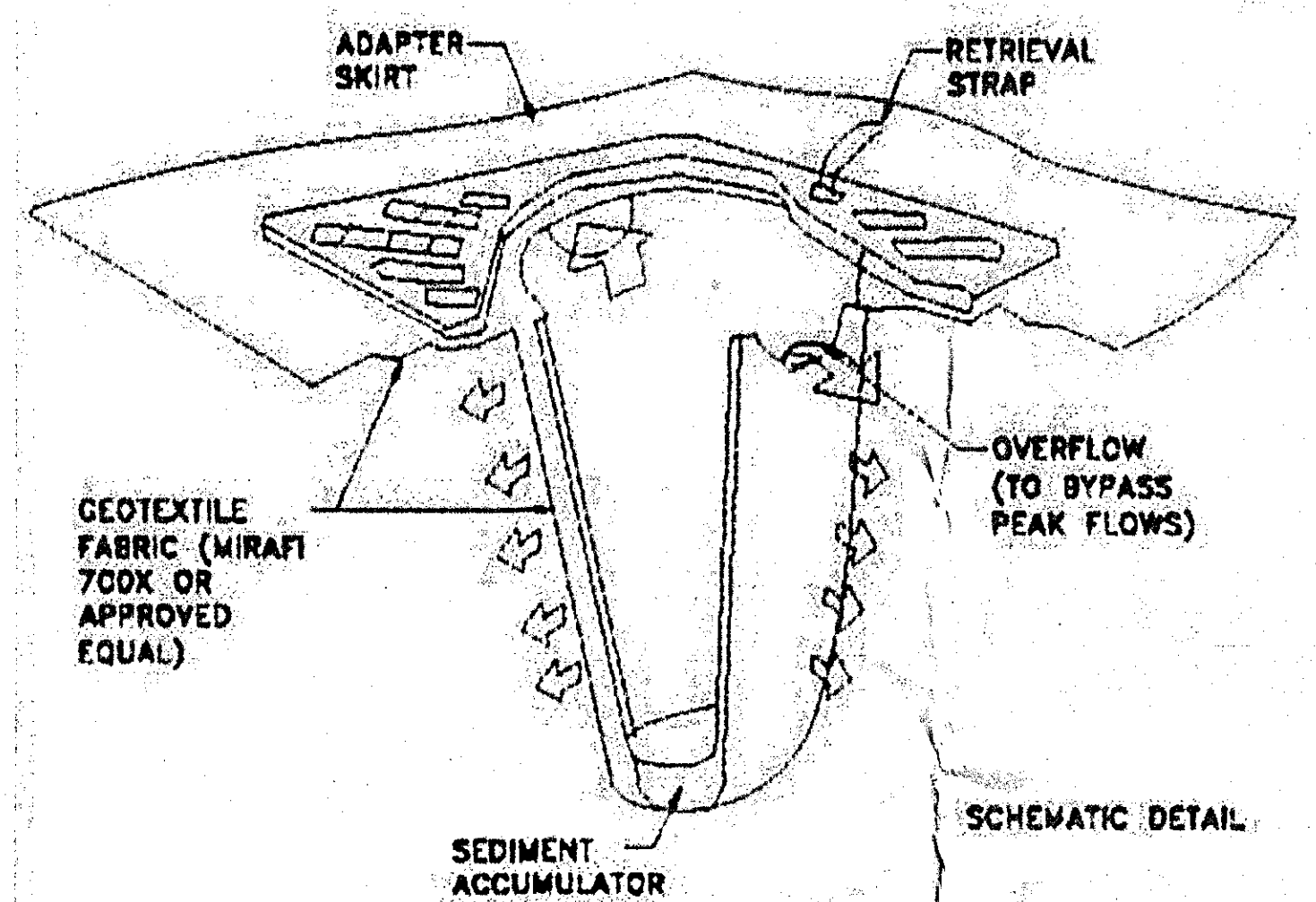
Drawing No.
6.0

Sheet No.

Scale:
1" = 40'

Date:
July, 2009

CB Protection



PROVIDE CB INSERT "STREAMGUARD FOR SEDIMENT" OR APPROVED EQUAL
MANUFACTURER'S NAME: FOSS ENVIRONMENTAL
ADDRESS: 200 SW MICHIGAN STREET SEATTLE, WA 98106
TELEPHONE: FOR INFORMATION: (800) 809-3877

Figure 5A.8
Silt Fence

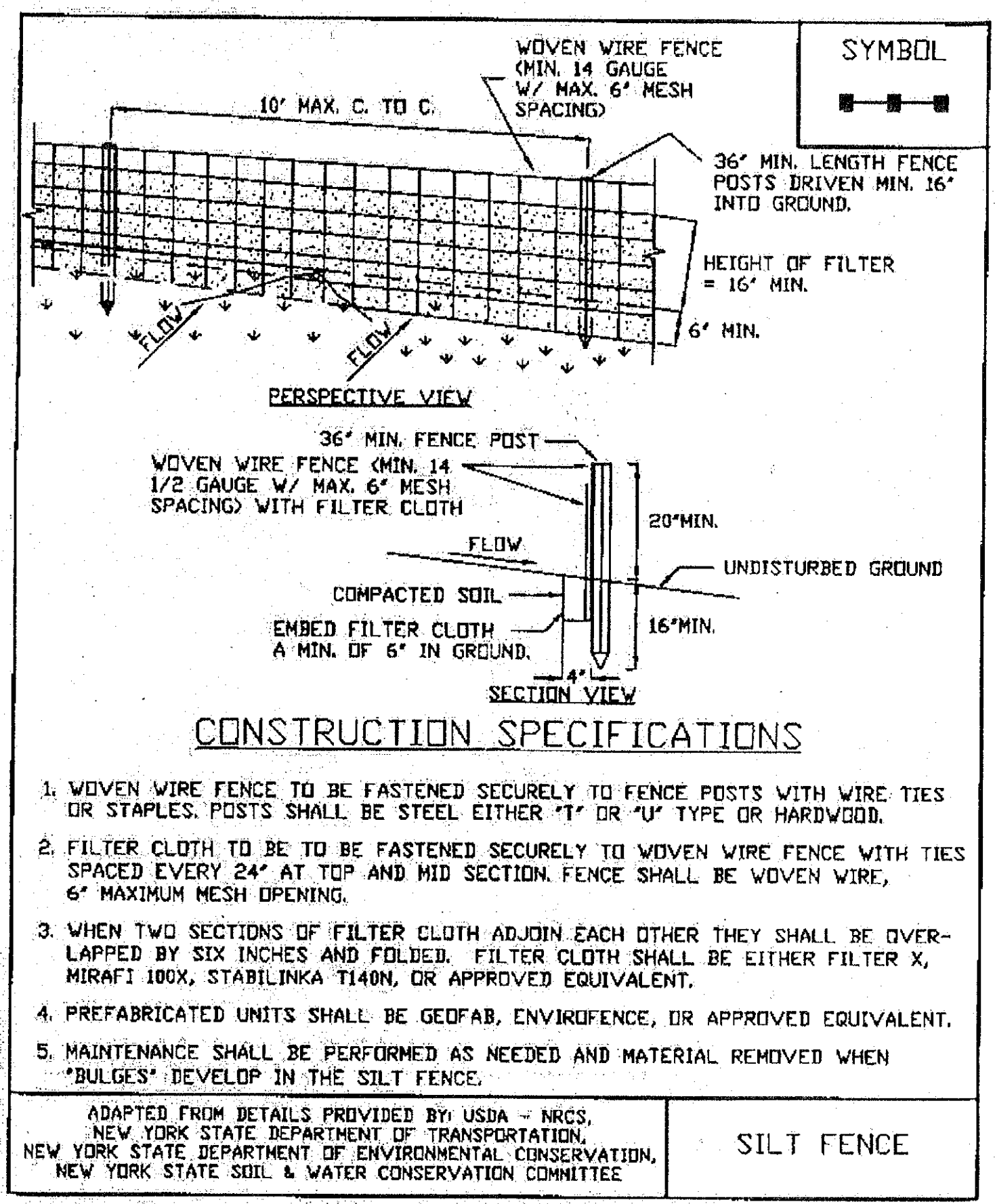
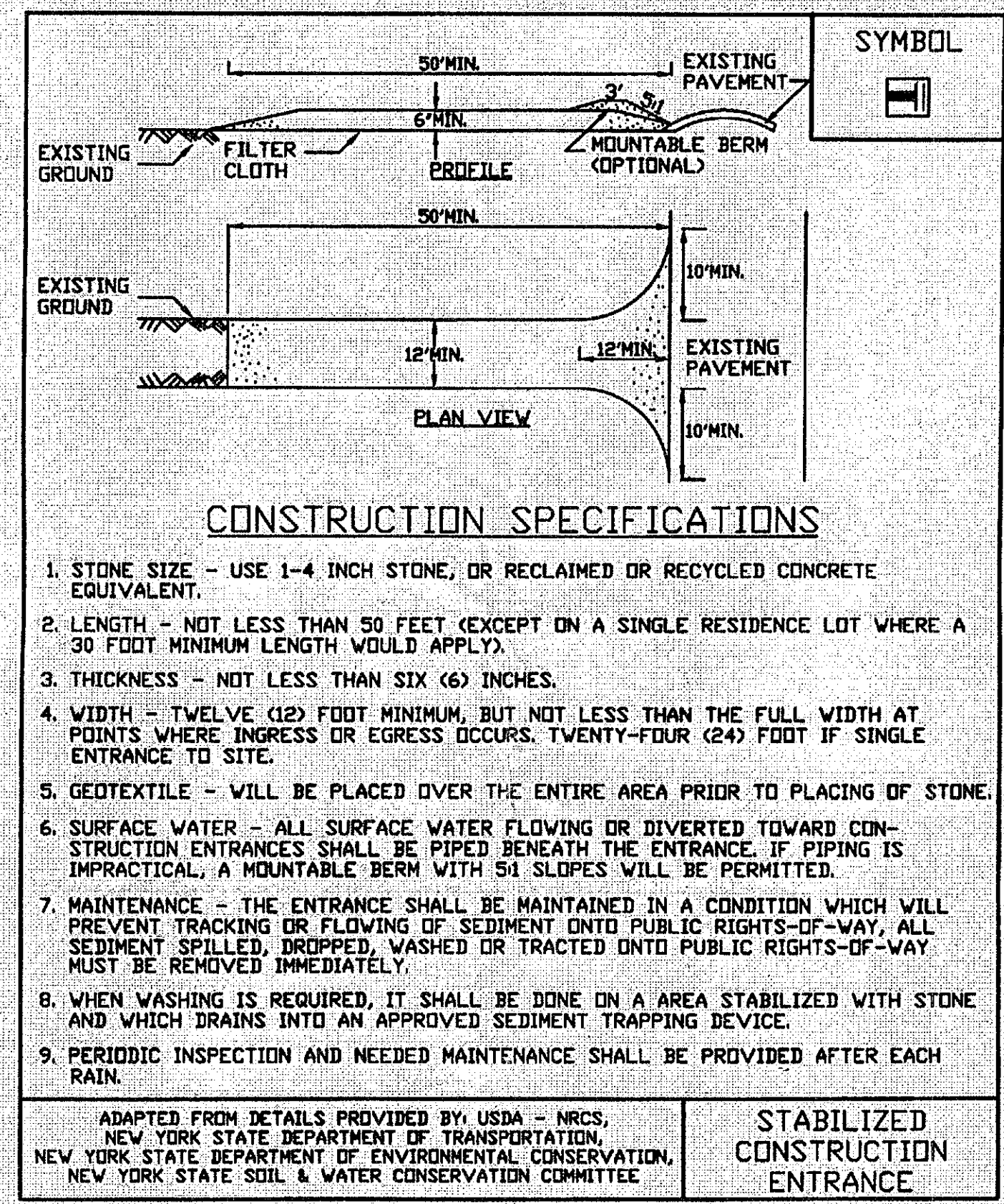


Figure 5A.35
Stabilized Construction Entrance

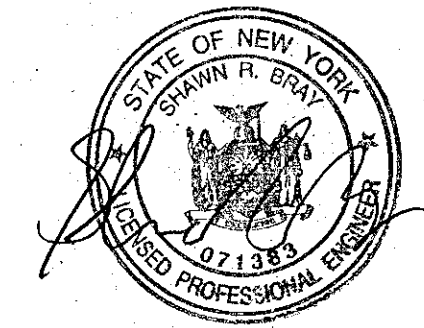


TOWN OF BETHLEHEM
PLANNING BOARD APPROVAL

PLANNING BOARD
TOWN OF BETHLEHEM
ALBANY COUNTY, NEW YORK
This Site Plan Approved.
Date 8-10-09

Client:
**South Albany
Airport Corporation**
6 Old School Road
Selkirk, New York 12158
(518) 767-9189

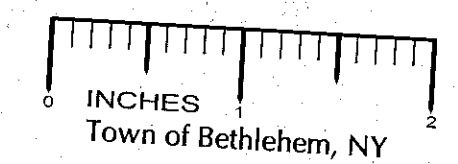
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100 Liberty Pole Way
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(585) 325-1000
Fax: (585) 325-1091
Principal-in-Charge Wayne F. Wegman, P.E.
Project Manager Shawn R. Bray P.E.
Designed by SRB, MAS



Revisions			
No.	Date	By	Description

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Erosion and Sediment Control Plan
**Transient Aircraft
Parking Apron & T-Hangar
South Albany
Airport**
Town/City: Bethlehem
County: Albany State: New York
Project No. 25247.05
Drawing No. 6.1 Sheet No. N.T.S.
Date July, 2009



STORM WATER POLLUTION PREVENTION PLAN

SITE DESCRIPTION			
Project Name and Location: (Latitude, Longitude, or Address)	Transient Aircraft Parking and T-Hangar South Albany Airport 6 Old School Road Selkirk, NY 12158	Owner Name and Address:	South Albany Airport Corporation 6 Old School Road Selkirk, NY 12158
Description: (Purpose and Types of Soil Disturbing Activities)	The project will consist of constructing approximately 35,000 square feet of asphalt and concrete pavement, including installation of drainage improvements and pavement markings. Soil disturbing activities will include: grading, clearing and grubbing, installation of culverts, construction of both flexible and rigid pavement, and preparation of disturbed areas for topsoil and seeding.		
Runoff Coefficient:	The runoff curve number for the site is 81 after construction.		
Site Area:	The area of work encompasses approximately 0.99 acres.		
Sequence of Major Activities			
The order of activities will be as follows:			
<ol style="list-style-type: none">1. Set up contractor staging area and engineers office.2. Set up maintenance and protection of traffic measures as specified on plans.3. Install silt fence and other erosion control measures as specified on plans.4. Strip and stockpile topsoil.5. Clearing and grubbing.6. Earthwork.7. Installation of storm sewers, and underdrain.8. Stabilize disturbed areas and stockpiles within 14 days of last construction activity in that area.9. Place subbase material and pavement structure.10. When pavement structure is complete, install final pavement markings.11. Final grading, seeding, and mulching of all disturbed areas.12. When all work areas are complete and the entire area is stabilized, remove the erosion control and maintenance and protection of traffic measures.			
Name of Receiving Waters:	Unidentified Tributary to Coeymans Creek		

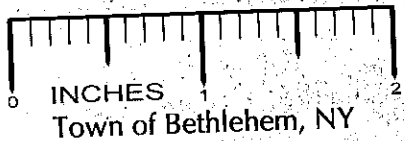
CONTROLS	
	Erosion and Sediment Controls
Stabilization Practices	
Temporary Stabilization - Topsoil stock piles and disturbed portions of the site where construction activity temporarily ceases for at least 21 days will be stabilized with temporary seed and mulch no later than 14 days from the last construction activity in that area. The temporary seed shall be Rye (grain) applied at the rate of 120 pounds per acre. Prior to seeding, 2,000 pounds per acre of ground agricultural limestone and 1,000 pounds per acre of 10-10-10 fertilizer shall be applied. Areas of the site which are to be paved will be temporarily stabilized by applying geotextile and stone sub-base until bituminous pavement can be installed.	
Permanent Stabilization - Disturbed portions of the site where construction activities permanently cease shall be stabilized with permanent seed no later than 14 days after the last construction activity. The permanent seed mix shall be as indicated on the plans and specifications.	
Structural Practices	
Silt fence, hay bales, and light stone fill will be installed along flow lines and at the discharge side of culvert excavations to act as a runoff "filter" as per the plans and specifications.	
Stormwater Management	
Stormwater drainage will be maintained in the existing drainage system until the corresponding portion of the proposed system is completed. The areas, which are not graded as part of this grading project, will remain untouched. When construction has been completed all surfaces will be restored and erosion control measures removed after all turf areas are established.	
OTHER CONTROLS	
Waste Disposal:	
Waste Material - All waste material will be collected and stored in a metal dumpster rented from a NYSDEC approved hauler, which is a licensed solid waste management company. The dumpster will meet all local and state solid waste management regulations. All trash and construction debris from the site will be deposited in the dumpster. The dumpster will be emptied a minimum of twice per week or more often if necessary, and the trash will be hauled to a NYSDEC approved dump. No construction waste material will be buried on site. All personnel will be instructed regarding the correct procedures for waste disposal. Notices stating these practices will be posted in the office trailer and the individual who manages the day-to-day operations will be responsible for seeing that these procedures are followed.	
Hazardous Waste - All hazardous waste materials will be disposed of in a manner specified by local and state regulations or by the manufacturer. Site personnel will be instructed in these practices and the individual who manages the day-to-day operations will be responsible for seeing that these practices are followed.	
Sanitary Waste - All sanitary waste will be collected from the portable units a minimum of three times per week by a licensed sanitary waste management contractor, as required by local regulation.	

Offsite Vehicle Tracking:
The paved streets adjacent to the site will be swept daily to remove any excess mud, dirt, or rock tracked from the site. Dump trucks hauling material from the construction site will be covered with a tarpaulin as needed. A stabilized construction entrance will be constructed to reduce the tracking of mud, dirt, or rock from the construction site onto a street, alley, sidewalk or parking area.
TIMING OF CONTROLS/MEASURES
As indicated in the Sequence of Major Activities, the erosion and sedimentation control measures, including silt fences, will be constructed prior to clearing or grading of any other portions of the site. Areas where construction activity temporarily ceases for more than 21 days will be stabilized with a temporary seed and mulch within 14 days of the last disturbance. Once construction activity ceases permanently in an area, that area will be stabilized with permanent seed and mulch.
CERTIFICATION OF COMPLIANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS
The stormwater collection and discharge reflects the NYSDEC requirements for stormwater management and erosion and sediment control. To ensure compliance, the plan will be prepared in conformance to the New York State "Guidelines for Urban Erosion and Sediment Control."
MAINTENANCE/INSPECTION PROCEDURES
Erosion and Sediment Control Inspection and Maintenance Practices
These are the inspection and maintenance practices that will be used to maintain erosion and sediment controls:
<ul style="list-style-type: none">• All control measures will be inspected at least once each week and following any storm event of 0.5 inches or greater.• All measures will be maintained in good working order; if a repair is necessary, it will be initiated within 24 hours of report.• Built-up sediment will be removed from silt fence when it has reached one-third the height of the fence.• Temporary and permanent seeding and planting will be inspected for bare spots, washouts, and health of growth.• A maintenance inspection report will be made after each inspection. A copy of the report form to be completed by the inspector is attached.• The site superintendent will select individuals who will be responsible for inspections, maintenance and repair activities, and filling out the inspection and maintenance report.• Personnel selected for inspection and maintenance responsibilities will receive training from the site superintendent. They will be trained in all the inspection and maintenance practices necessary for keeping the erosion and sediment controls used on-site in good working order.
Non-Stormwater Discharges
It is expected that the following non-storm water discharges will occur from the site during the construction period:
<ul style="list-style-type: none">• Pavement wash waters (where no spills or leaks of toxic or hazardous materials have occurred)

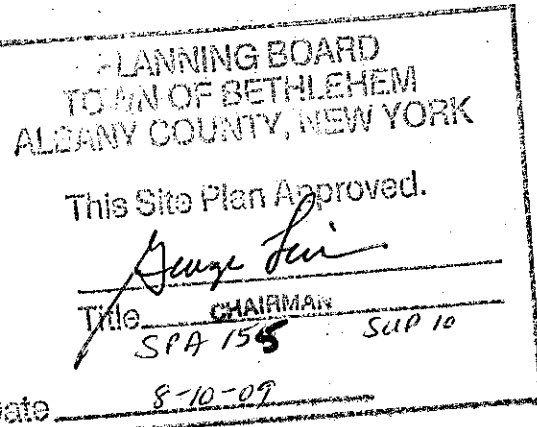
INVENTORY FOR POLLUTION PREVENTION PLAN			
The materials or substances listed below are expected to be present on-site during construction:			
Select Granular Fill	Underdrain Filter Stone	Underdrain Pipe	Precast Concrete
Stabilization Fabric	Duct Banks	Concrete	Mulch
Corrugated Metal Pipe	PAPI, Wind Cone	Seed	Metal Frames & Grates
Corrugated Plastic Pipe	Stabilization Fabric	Topsoil	Paints
Asphalt Tack Coat	Pull Boxes	Bituminous Prime Coat	
Gravel Subbase Course	Asphalt Concrete	Barricades	
SPILL PREVENTION			
Material Management Practices			
The following are the material management practices that will be used to reduce the risk of spills or other accidental exposure of materials and substances to stormwater runoff.			
Good Housekeeping:			
The following good housekeeping practices will be followed on-site during the construction project:			
<ul style="list-style-type: none">• An effort will be made to store only enough product required to do the job.• All materials stored on-site will be stored in a neat, orderly manner in their appropriate containers and, if possible, under a roof or other enclosure.• Products will be kept in their original containers with the original manufacturer's label.• Substances will not be mixed with one another unless recommended by the manufacturer.• Whenever possible, all of a product will be used up before disposing of the container.• Manufacturers' recommendations for proper use and disposal will be followed.• The site superintendent will inspect daily to ensure proper use and disposal of materials on-site.			
Hazardous Products:			
These practices are used to reduce the risks associated with hazardous materials:			
<ul style="list-style-type: none">• Products will be kept in original containers unless they are not resealable.• Original labels and material safety data will be retained; they contain important product information.• If surplus product must be disposed of, manufacturers' or local and state recommended methods of proper disposal will be followed.			

SPILL PREVENTION (Continued)
Product Specific Practices
The following product specific practices will be followed on-site:
Petroleum Products:
All on-site vehicles will be monitored for leaks and receive regular preventive maintenance to reduce the chance of leakage. Fuel oil for construction machinery will be stored in an above-ground tank with a suitable containment system. Material safety data sheets will be filed in the site superintendent's trailer. Any asphalt substances used on-site will be applied according to the manufacturer's recommendations.
Fertilizers:
Fertilizers used will be applied only in the minimum amounts recommended by the manufacturer. Once applied, fertilizer will be worked into the soil to limit exposure to stormwater. The contents of any partially used bags of fertilizer will be transferred to resealable plastic bags to avoid spills.
Paints:
All containers will be tightly sealed and stored when not required for use. Excess paint will not be discharged to the storm sewer system, but will be properly disposed of according to manufacturers' instructions or state and local regulations.
Concrete Trucks:
Concrete trucks will be allowed to wash out or discharge surplus concrete or drum wash water on site in a manner that prevents contamination of stormwater discharge. A designated area will be excavated or a dike constructed to contain these materials until they harden, at which time they will be covered with fill or disposed of off the site. Excess concrete or concrete that does not meet the specifications will be handled in the same manner.
Spill Control Practices
In addition to the good housekeeping and material management practices discussed in the previous sections of this plan, the following practices will be followed for spill prevention and cleanup:
<ul style="list-style-type: none">• Manufacturers' recommended methods for spill cleanup will be clearly posted and site personnel will be made aware of the procedures and the location of the information and cleanup supplies.• Materials and equipment necessary for spill cleanup will be kept in the material storage area on-site. Equipment and materials will include but not be limited to brooms, dust pans, rags, gloves, kitty litter, sand, sawdust, and plastic and metal trash containers specifically for this purpose.• All spills will be cleaned up immediately after discovery.• The spill area will be kept well ventilated and personnel will wear appropriate protective clothing to prevent injury from contact with hazardous substance.• Reportable spills of any petroleum based material will be reported to the appropriate state or local government agency.• The spill prevention plan will be adjusted to include measures to prevent this type of spill from reoccurring and how to clean up the spill if there is another one. A description of the spill, what caused it, and the cleanup measures will also be included.• The site superintendent responsible for the day-to-day operations will be the spill prevention and cleanup coordinator. He will designate at least three other site personnel who will receive spill prevention and cleanup training. These individuals will each become responsible for a particular phase of prevention and cleanup. The names of responsible spill personnel will be posted in the material storage area and in the office trailer on-site.

POLLUTION PREVENTION PLAN CERTIFICATION		
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.		
Signed:	Owner	
Date:		
CONTRACTOR'S CERTIFICATION		
I certify under penalty of law that I understand the terms and conditions of the general National Pollutant Discharge Elimination System (NPDES) permit that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification.		
Signature	For	Responsible for
Date:		
Date:		
Date:		



TOWN OF BETHLEHEM
PLANNING BOARD APPROVAL



Client:
South Albany Airport Corporation
6 Old School Road
Selkirk, New York 12158
(518) 767-9189

Passero Associates
100 Liberty Pole Way
Rochester, New York 14604
(585) 325-1000
Fax: (585) 325-1091
Principal-in-Charge: Wayne F. Wegman, P.E.
Project Manager: Shawn R. Bray P.E.
Designed by: SRB, MAS



Revisions			
No.	Date	By	Description

Erosion and Sediment
Control Plan

Transient Aircraft
Parking Apron & T-Hangar
South Albany Airport

Town/City: Bethlehem
County: Albany State: New York

Project No.
25247.05

Drawing No. **6.2** Sheet No.

Scale: **N.T.S.**

Date
July, 2009

PLANNING BOARD
TOWN OF BETHLEHEM
ALBANY COUNTY, NEW YORK

This Site Plan Approved.

George Finner
title CHAIRMAN
SQA 198 SUP 10

Date 8-10-09

Passero Associates

100 Liberty Pole Way
Rochester, New York 14604

(585) 325-1000
Fax: (585) 325-1691

Principal-in-Charge
Project Manager
Designed by

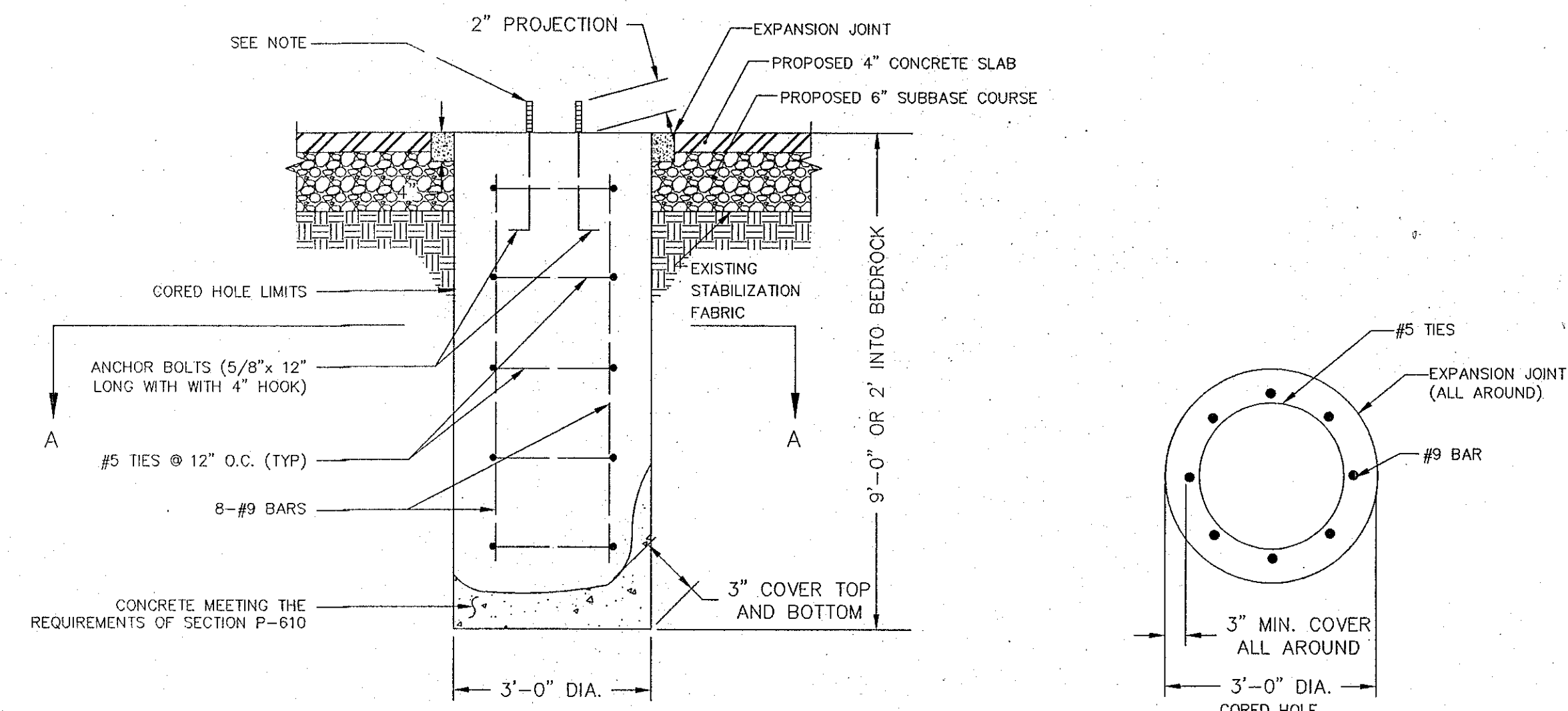
Wayne F.Wegman, P.E.
Shawn R. Bray P.E.
SRB, MAS



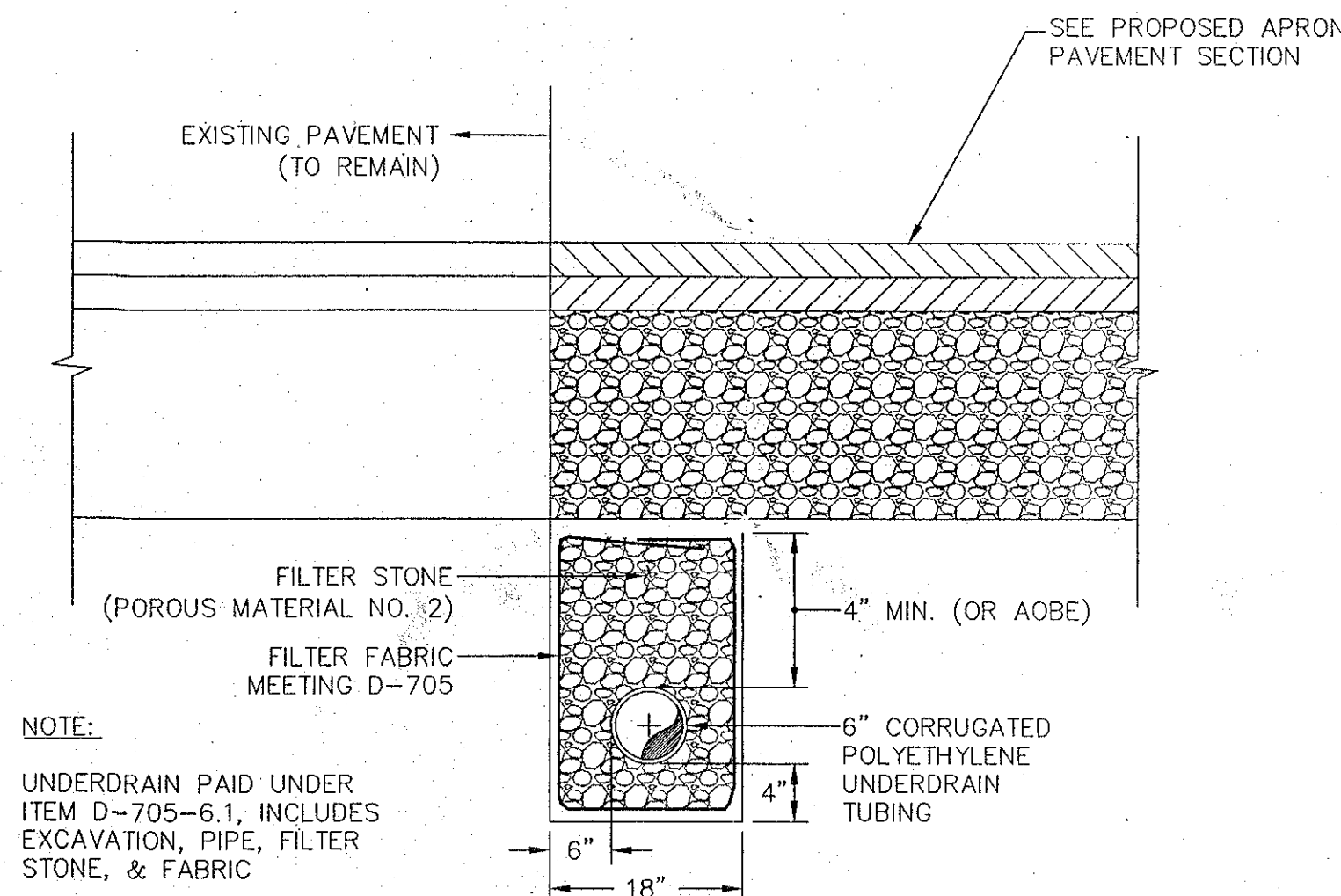
No.	Date	By	Description

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Date July, 2009



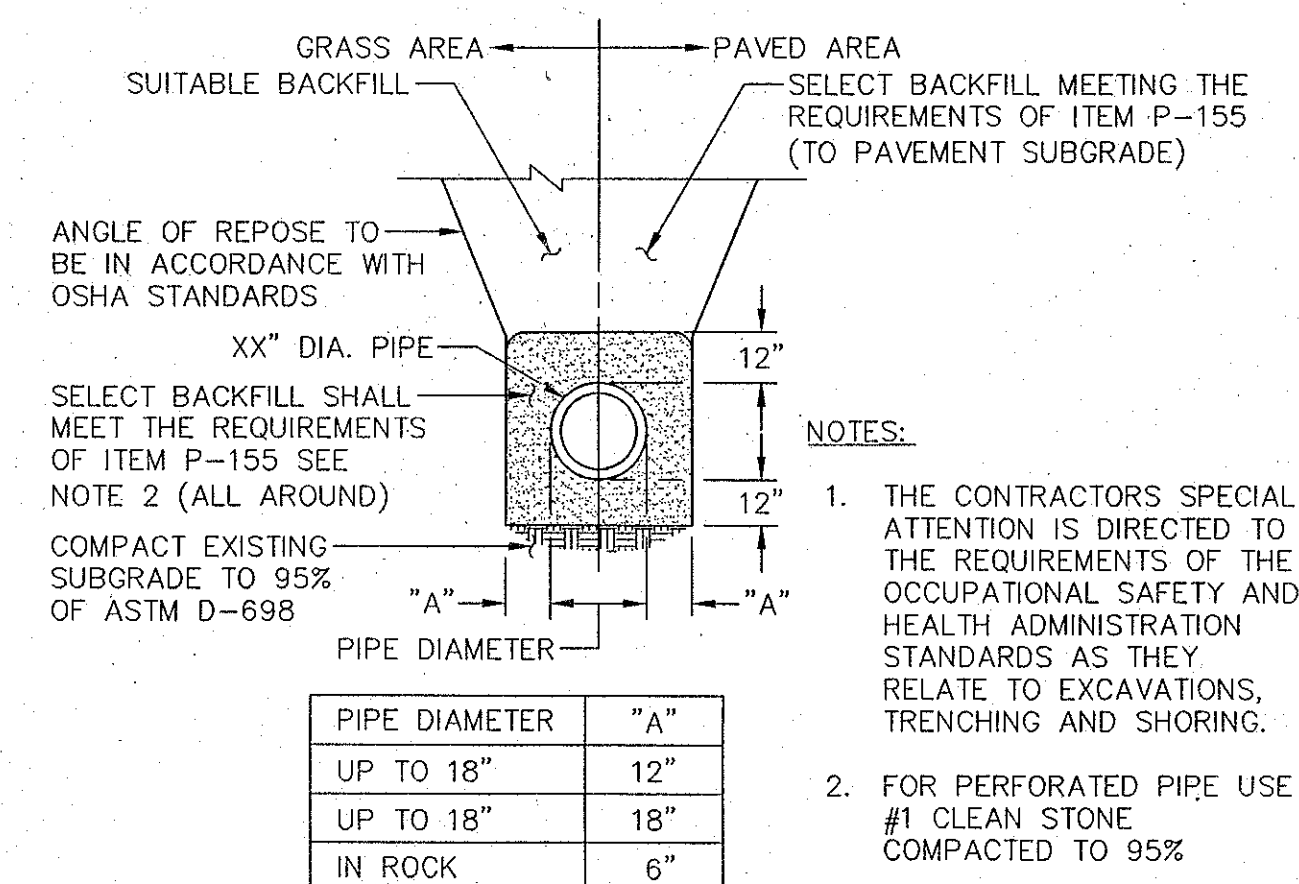
SECTION A-A
N.T.S.



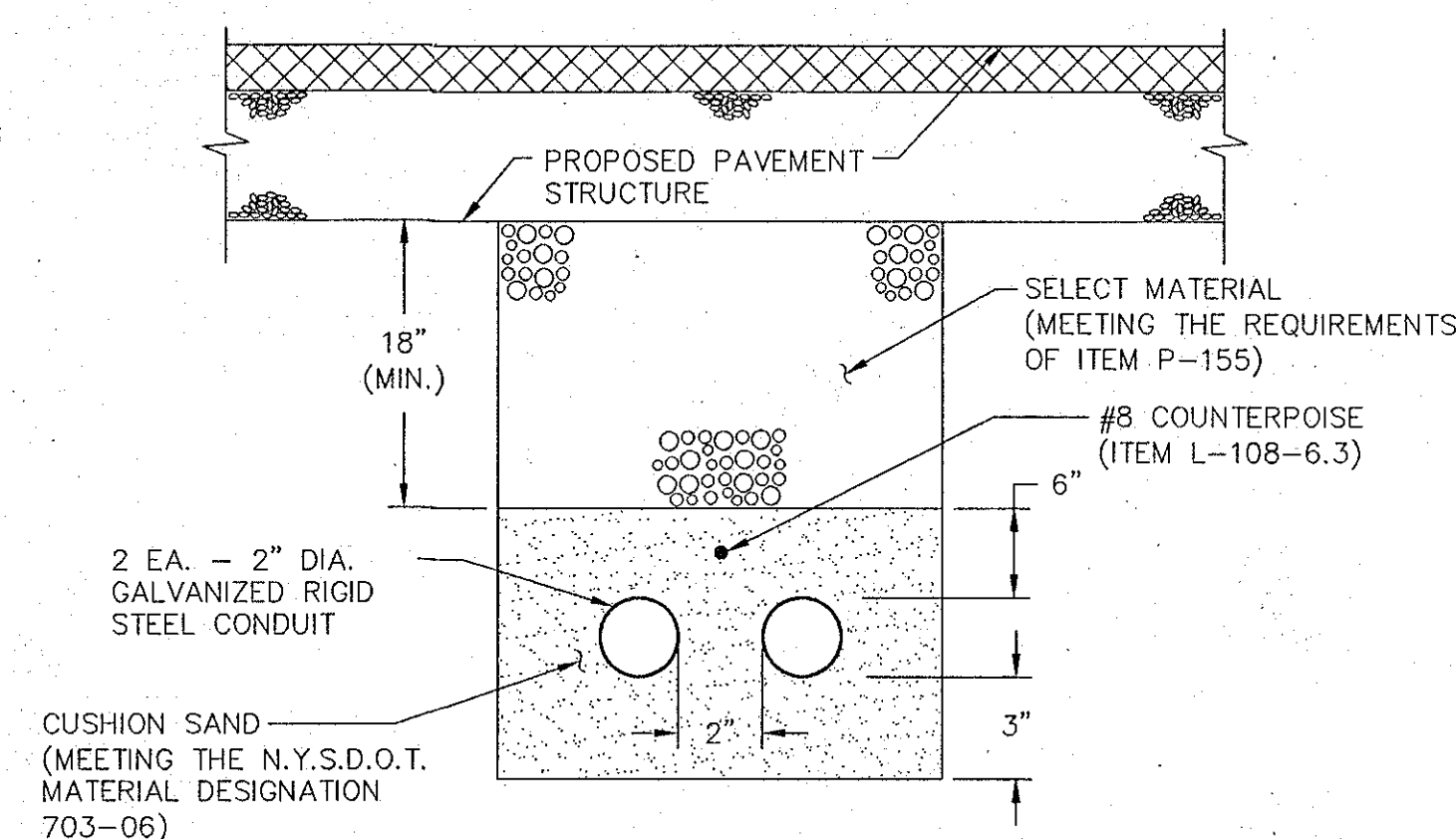
ITEM D-705-6.1

TYPICAL UNDERDRAIN DETAIL

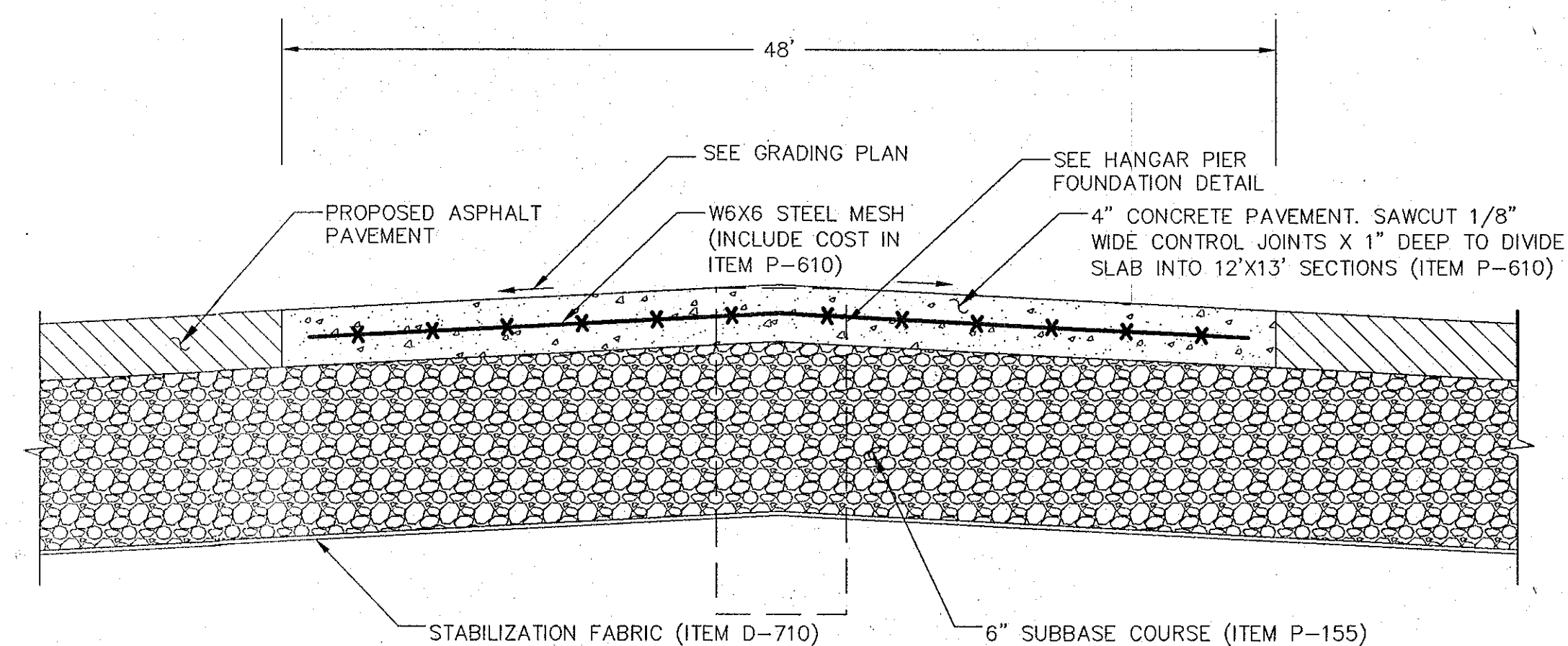
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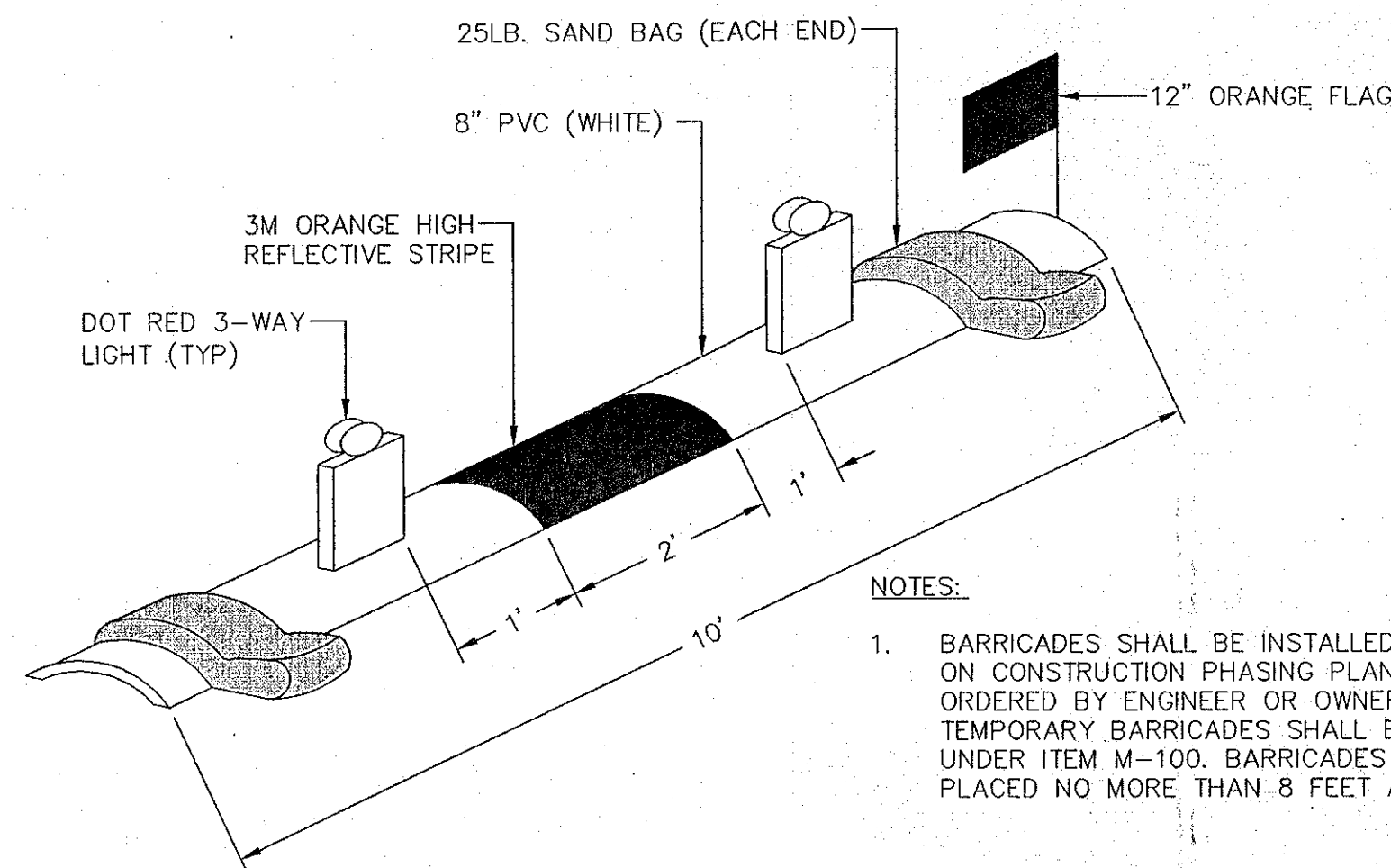
TYPICAL PIPE TRENCHING DETAIL



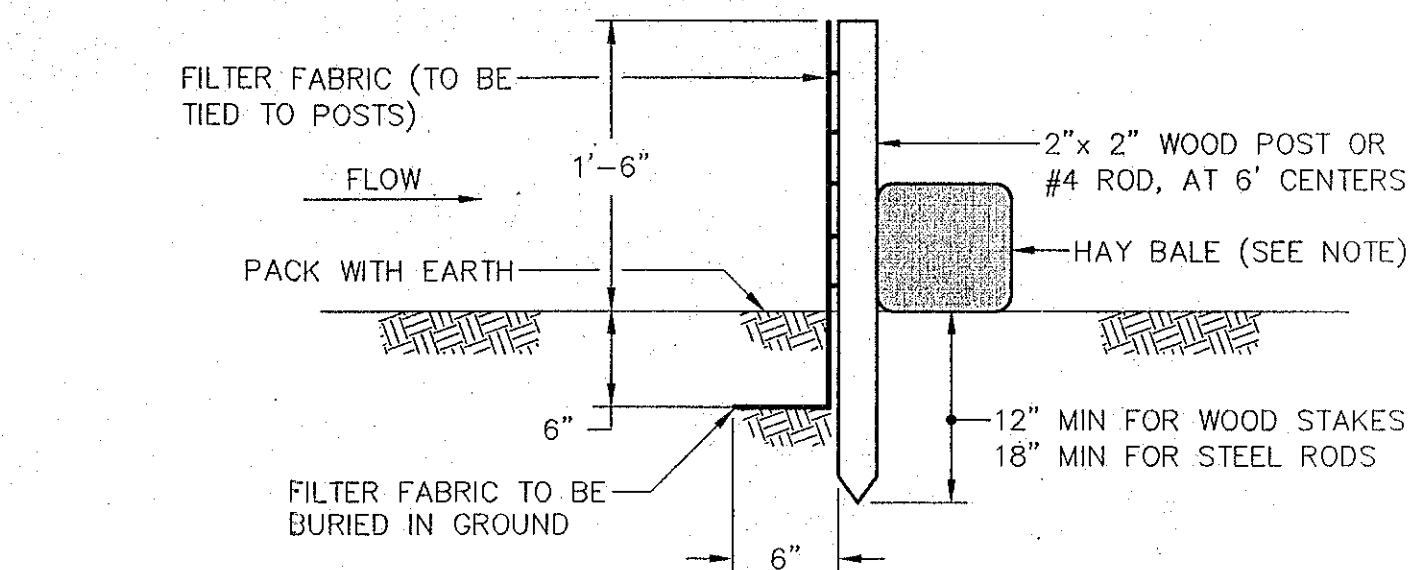
ITEM L-110-6.2
TYPICAL CONDUIT DETAIL
N.T.S.



CONCRETE PAVEMENT DETAIL

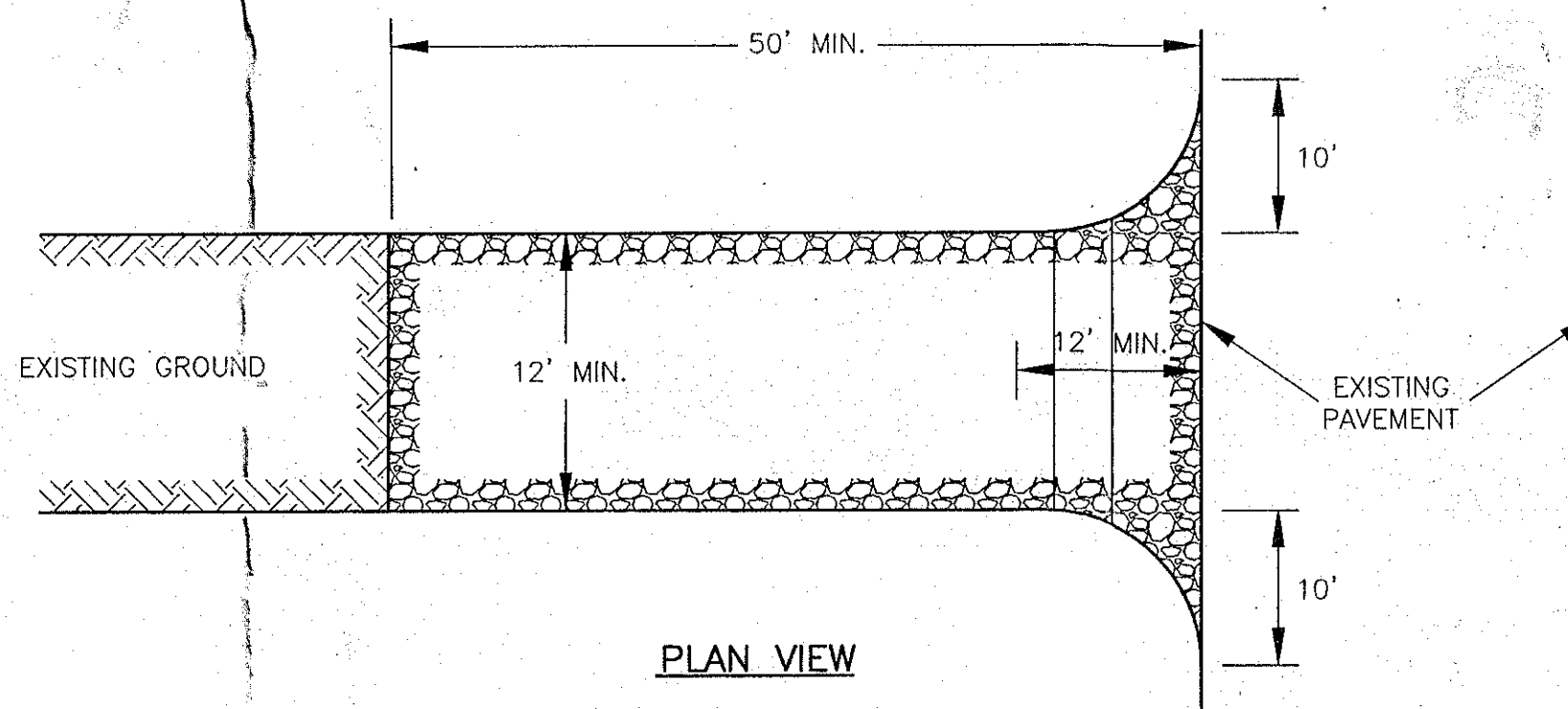
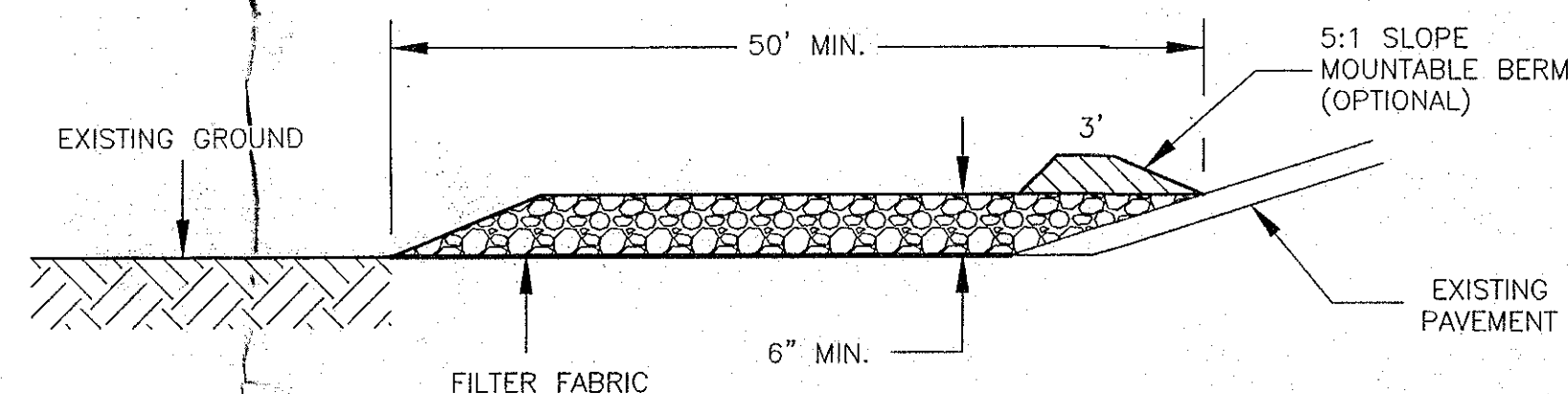


ITEM M-100
AIRPORT LOW-PROFILE BARRICADE
N.T.S.



NOTE:
WHERE SILT FENCE IS USED IN AREAS OF CONCENTRATED FLOW THE ENGINEER WILL REQUIRE BACKING THE FENCE WITH HAY BALES.

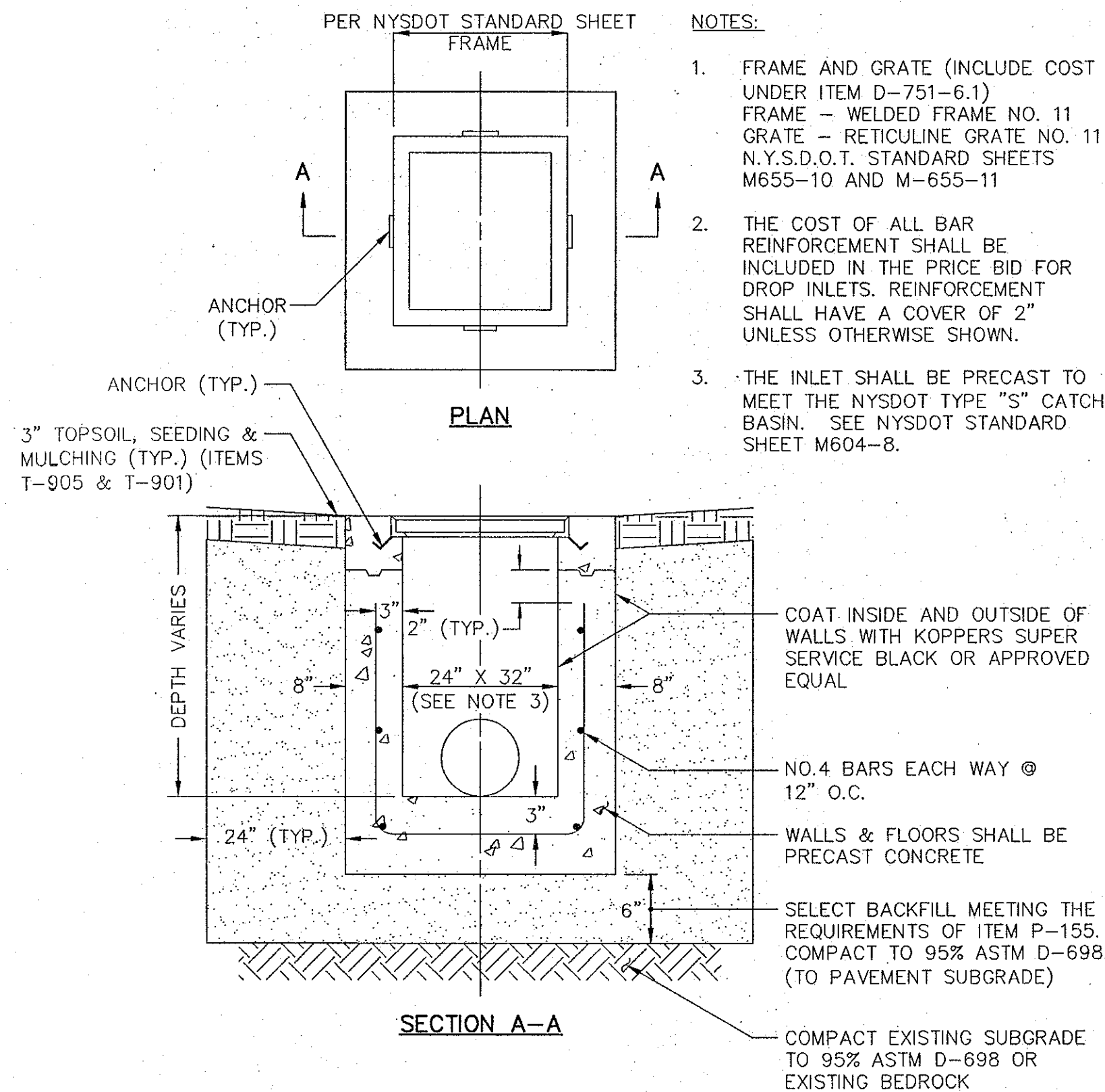
ITEM P-156
SILT FENCE FOR TEMPORARY EROSION CONTROL
N.T.S.



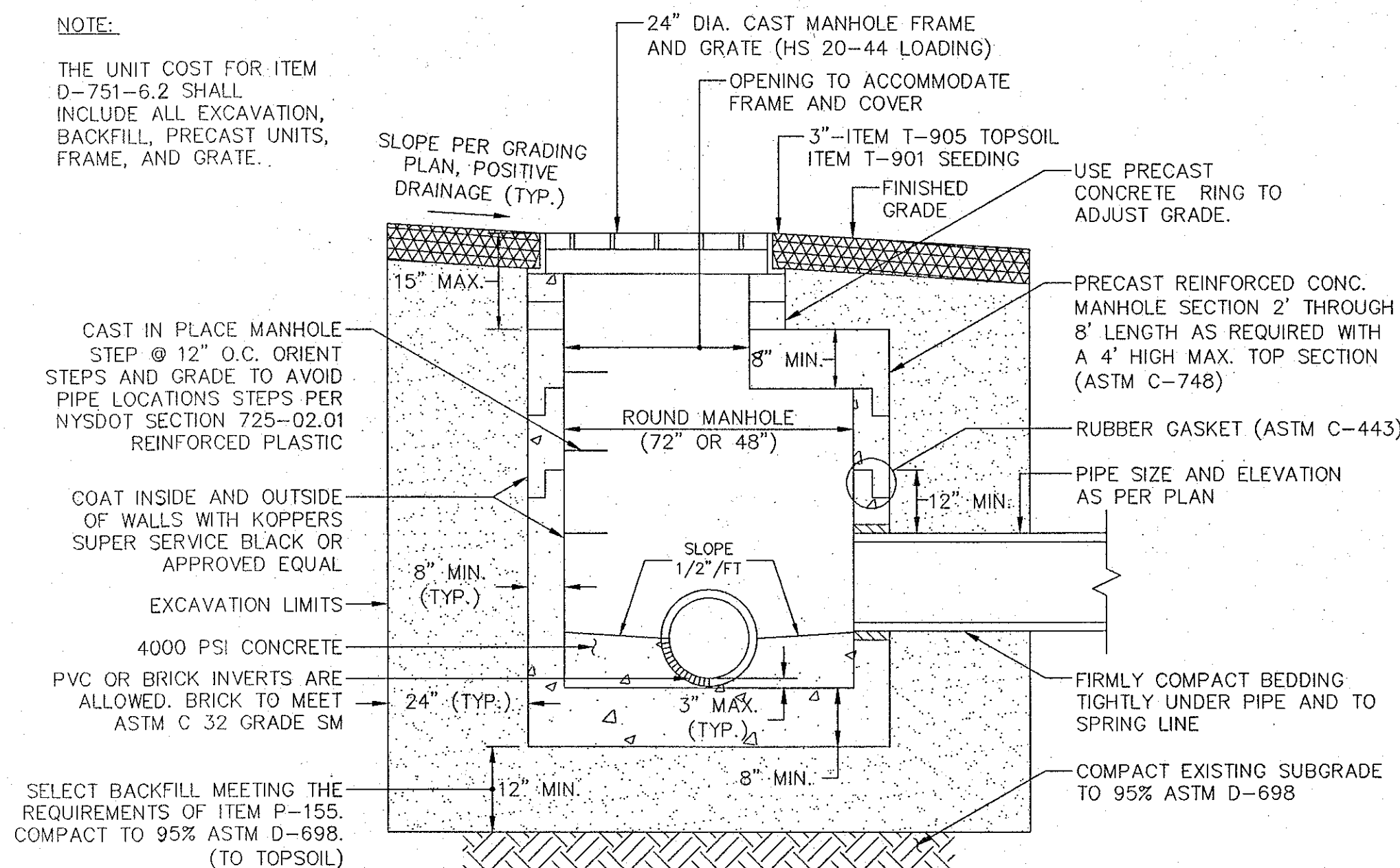
CONSTRUCTION SPECIFICATIONS

1. STONE SIZE - USE 3 INCH STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
3. THICKNESS - NOT LESS THAN 6 INCHES.
4. WIDTH - 10 FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
5. FILTER FABRIC - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. FILTER FABRIC WILL NOT BE REQUIRED ON A SINGLE FAMILY RESIDENCE LOT.
6. 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.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAYS MUST BE REMOVED IMMEDIATELY.
8. WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAYS. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

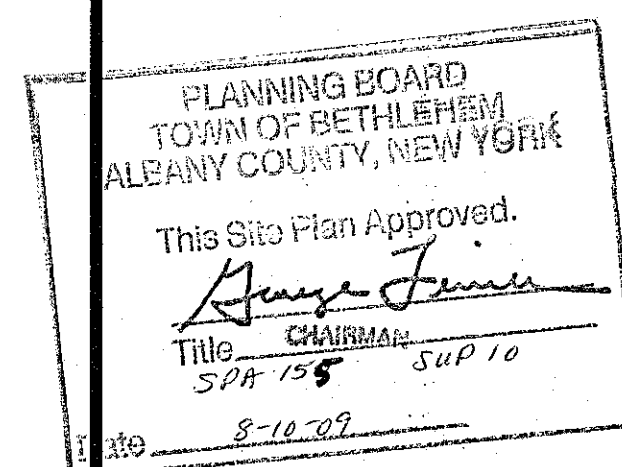
**TEMPORARY ACCESS/STABILIZED
CONSTRUCTION ENTRANCE DETAIL**
N.T.S.



ITEM D-751-6.1
TYPICAL CATCH BASIN
N.T.S.

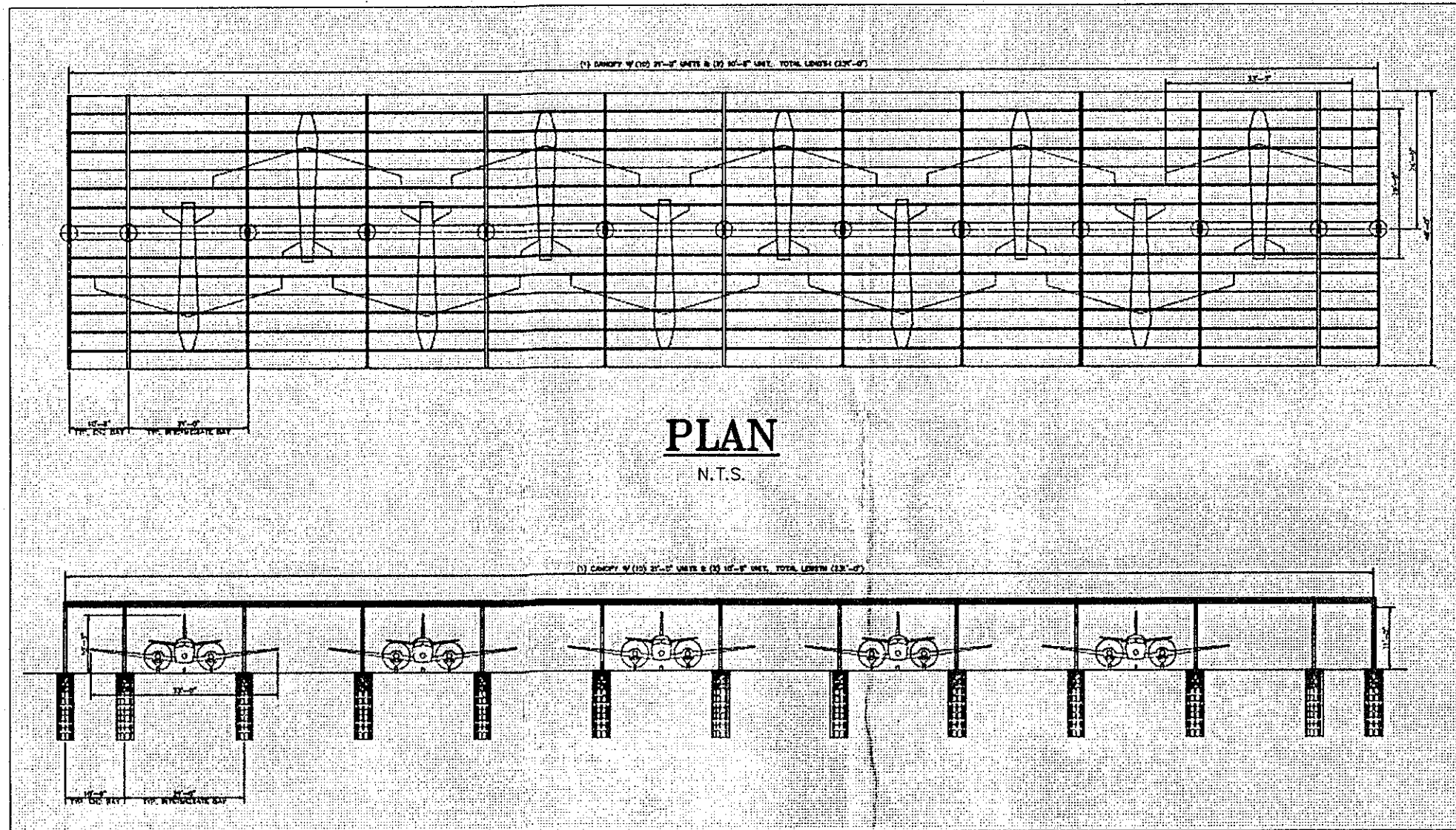


ITEM D-751-6.2
PRECAST ROUND STORM MANHOLE (HS 20-44 LOADING) DETAIL
N.T.S.

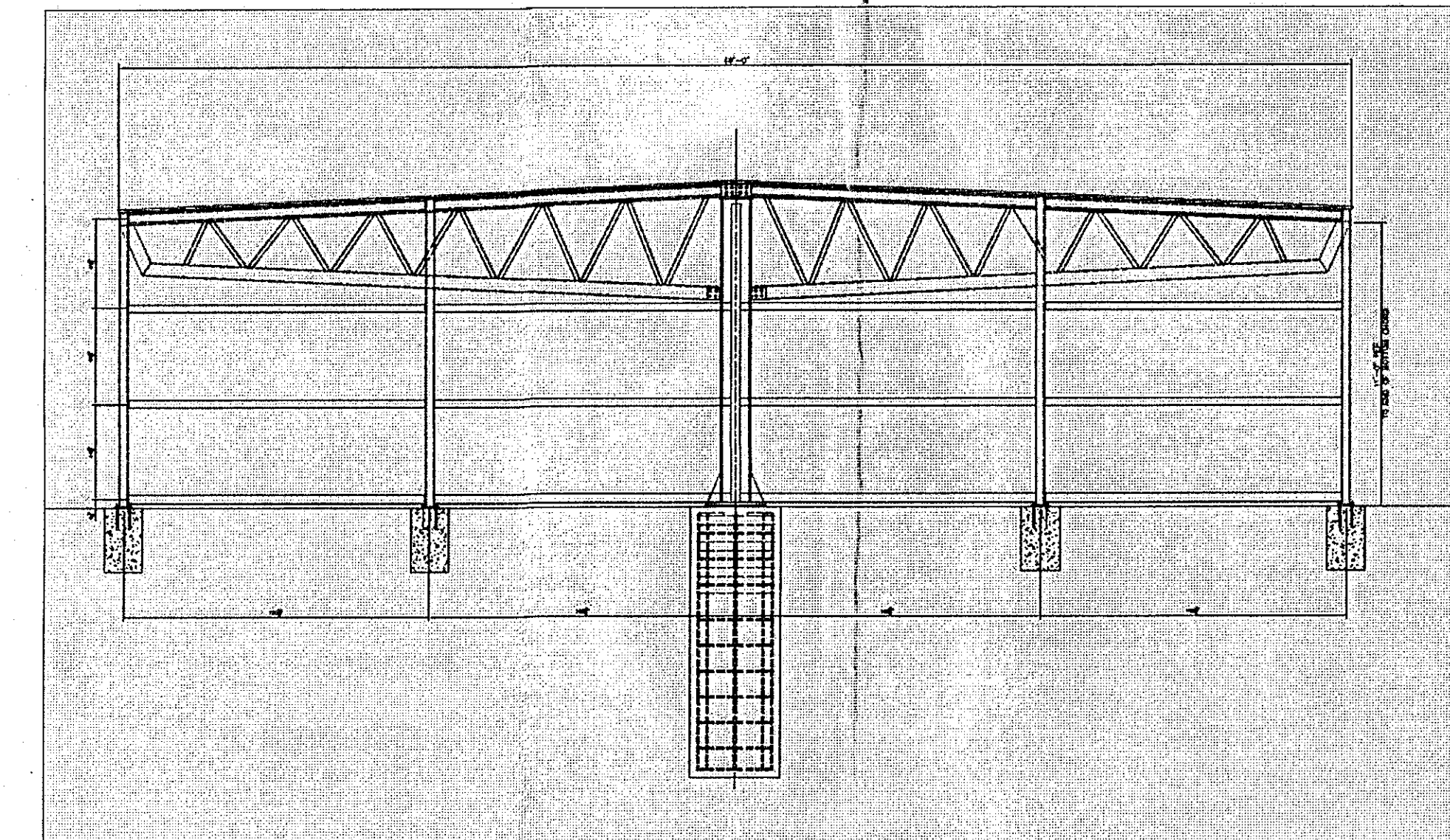


Revisions			
No.	Date	By	Description

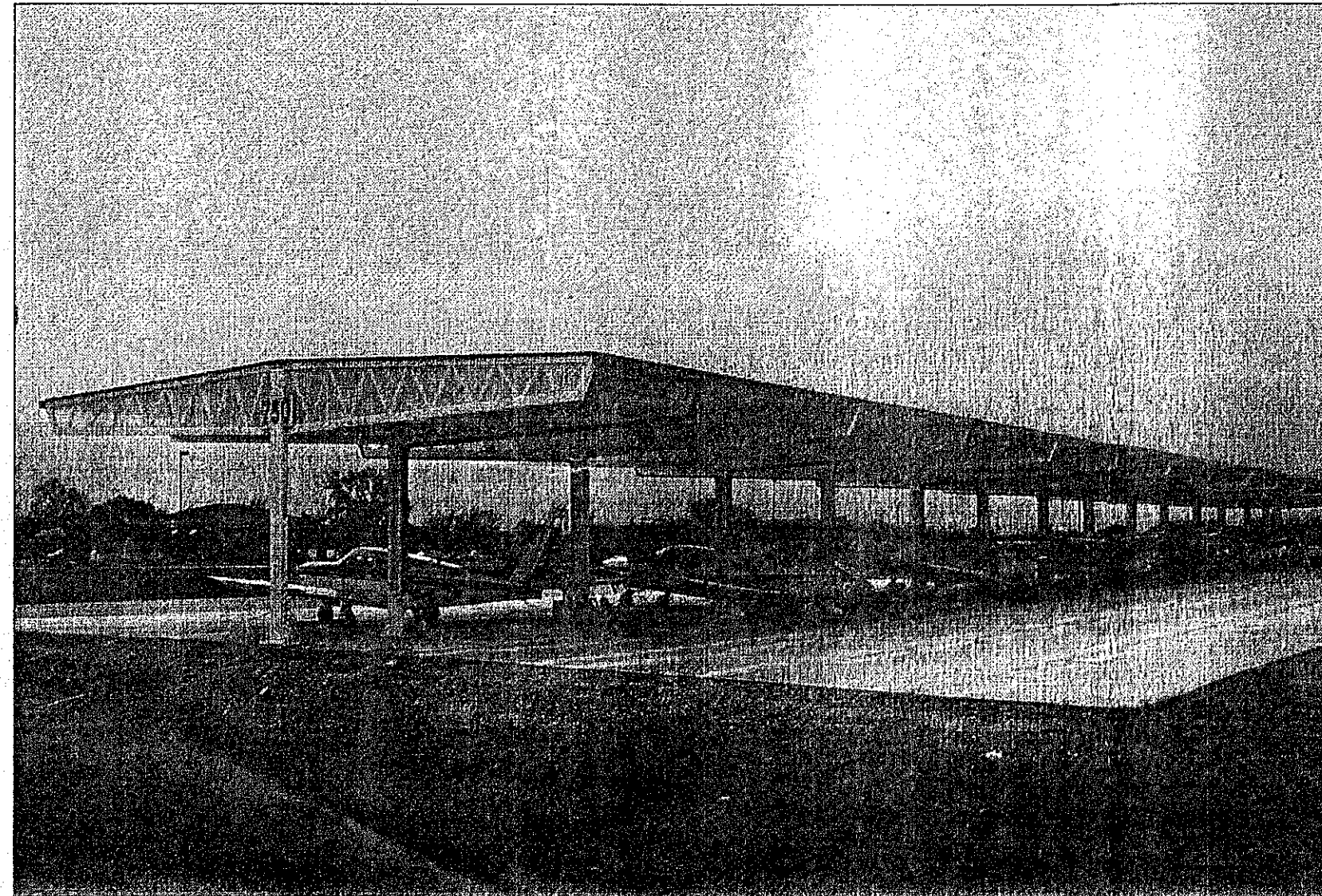
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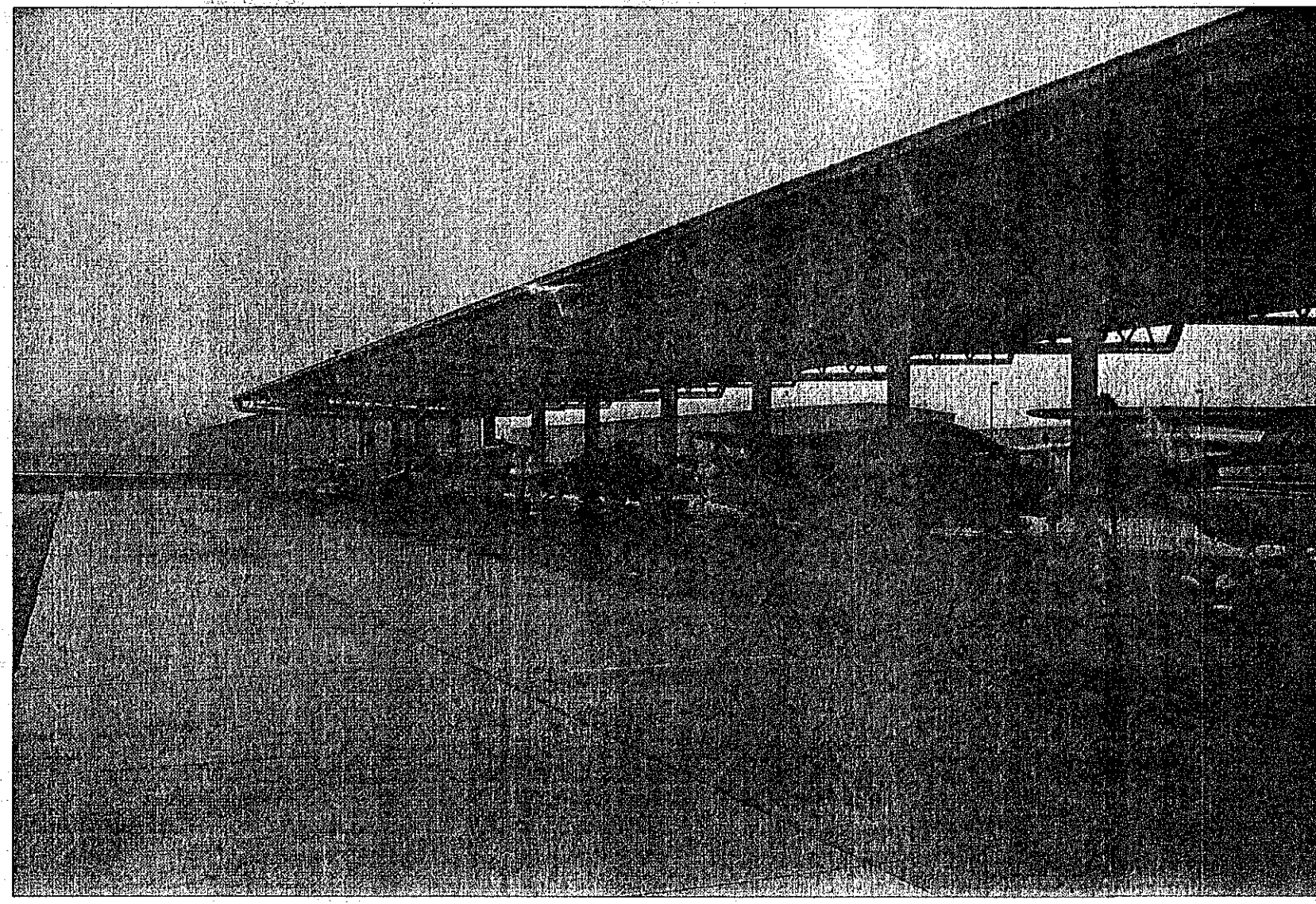
PLAN
N.T.S.



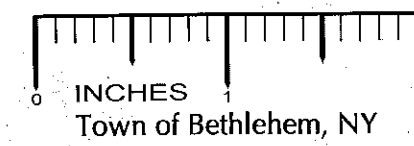
END ELEVATION
N.T.S.



PHOTOGRAPH #1 - EXAMPLE OF SIMILAR STRUCTURE



PHOTOGRAPH #2 - EXAMPLE OF SIMILAR STRUCTURE



SPECIFICATIONS:

ITEM S-131 OPEN HANGAR BUILDING

I. Scope of Work

- A. This Contract shall include all labor, equipment, and materials required to manufacture and deliver one prefabricated open nested steel T-Hangar building. The bidder shall deliver all building materials to South Albany Airport, 6 Old School Road, Selkirk, New York 12158 at a location approved by the Owner.

The minimum building and individual unit dimensions shall be as follows:

- 48'0" wide building
- 40'0" clear height (for 10 interior bays)
- 11'0" clear tail height
- 21'0" clear tail width
- 26'0" clear depth/unit
- 231'0" Approximate Overall Building Length
- 1/2 : 12 Roof Slope

- B. The building shall include the following standard features for the Base Bid:

- 1. Standard color choice for roof panels *See note below
- 2. Bird proofing of all trusses
- 3. No gutters or downspouts

- C. Installation of an interior roof liner is also included in the bid alternates. The liner shall be suitable to prevent roof condensation from falling on stored aircraft.

- D. The nested T-Hangar will be erected on pier foundations, and a concrete floor is also proposed for the T-Hangar.

- E. The building erection, pier foundations and concrete floor will be constructed by others. The bidder shall supply the required foundation reactions for the owner to design the foundation. Also, the bidder shall furnish the necessary anchor bolt layout plan, drawings and documents to obtain a local building permit and facilitate building erection.

- F. The building shall be designed to meet local and New York State Building Codes with a minimum 40 PSF Roof Snow Load, a 90 MPH fastest wind speed and a 10 PSF Building Dead Load. Assume no collateral loads.

- G. The T-Hangar package shall be supplied as a complete system by a manufacturer who has provided hangar building systems for a minimum of five years.

II. Material Specifications

- A. Columns - Columns shall be ASTM A500 Grade B steel tubing or equal with a minimum yield stress of 46,000 lbs. with factory welded brackets and plates of ASTM A36 structural steel plate. No on-site welding shall be required. Columns will be shot blasted, e-coated and powder coated after fabrication.

- B. Trusses - Trusses shall use ASTM A500 steel tubing or equal with a minimum yield stress of 46,000 PSI for the top chord, bottom chord, and all webs. All trusses will be factory welded, and purlin clips shall be welded to the sides of the truss top chord. No on-site welding shall be required. Trusses shall be designed to minimize roosting or nesting of birds. Truss members shall have a full zinc based organic coating applied to the interior surface for corrosion protection. The exterior coating shall be galvanized and/or e-coated and powder coated after fabrication.

- C. Purlins - Purlins shall be ASTM A-500 steel tubing or equal. Purlin sections shall have a full zinc based organic coating applied to the interior surface for corrosion protection. The exterior coating shall be galvanized and/or e-coated and powder coated after fabrication. The finished building system shall include an approved bird proofing system to minimize animal roosting in the trusses.

- D. Roof - The roof system shall be 26 gauge (UL 90 rated), 36" wide x 1-1/4" high, with major ribs at 12" on-center and two minor ribs between each major rib with a trapezoidal rib configuration. Field applied sealant is required at all side laps and end laps. The minimum roof slope shall be 1/2 : 12. The substrate shall be galvalume sheet steel with a minimum yield strength of 80,000 PSI. Panels shall be one piece from eave to ridge. No splicing of roof panels will be permitted. The panels shall have a finish side coated with a full coat of premium silicone polyester. The color shall be selected from the metal roof system manufacturer's standard offering. Panels shall have a minimum 20 year manufacturer's finish warranty against cracking, checking and fading.

- E. Fasteners - Roof fasteners shall be self tapping/self drilling type and shall be designed to withstand specified design loads. Fasteners shall be provided with a factory applied coating in a color to match the metal panels. Neoprene washers under the heads will be supplied for all roof fasteners. Fasteners shall be located and spaced in a true vertical and horizontal alignment and in a pattern recommended by panel manufacturer. Proper torque settings shall be applied to obtain controlled uniform compression for a positive seal without rupturing the neoprene washer.

III. Warranty

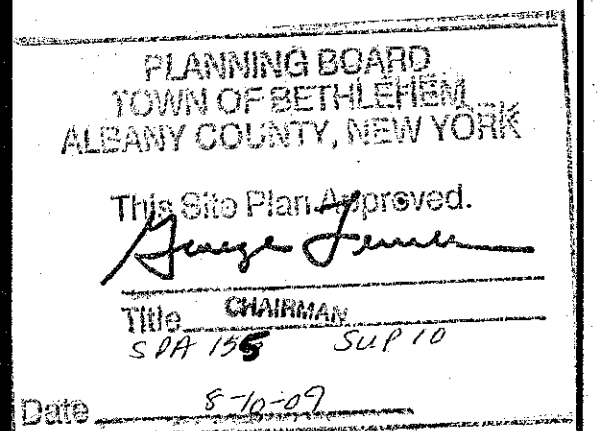
The building manufacturer shall provide a one (1) year warranty on all materials and workmanship from the date of substantial completion.

*Note: Hangar structure to be white or off-white and match existing buildings adjacent to new building.



Passero Associates
ENGINEERING • ARCHITECTURE

TOWN OF BETHLEHEM
PLANNING BOARD APPROVAL



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Airport Corporation**
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Principal-in-Charge: Wayne F. Wegman, P.E.
Project Manager: Shawn R. Bray, P.E.
Designed by: SRB, MAS



Revisions			
No.	Date	By	Description

Building Details
Transient Aircraft
Parking Apron & T-Hangar
South Albany
Airport

Town/City: Bethlehem
County: Albany State: New York

Project No.
25247.05

Drawing No.
10

Scale:
N.T.S.

Date
July, 2009