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Consulting Engineers
and Land Surveyors

18 Locust Street
Albany, New York 12203

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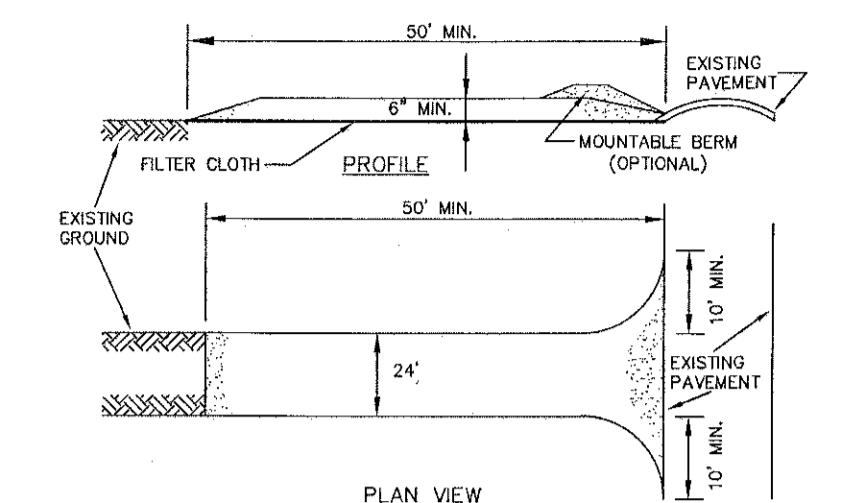
REMARKS	DATE
SWPPP AND DETAILED SITE PLAN	1/28/15
COMMENT LETTER 1-9-15	1/28/15
PLANNING BOARD COMMENTS	2/5/15
RESPONSE TO COMMENTS	2/23/15
RESPONSE TO COMMENTS	3/2/15
TITLE BLOCK	6/05/15

**AMENDED PROPOSED EROSION AND SEDIMENT CONTROL PLAN FOR No. 85 VISTA BOULEVARD
VISTA TECHNOLOGY CAMPUS
TOWN OF BETHLEHEM
ALBANY COUNTY, STATE OF NEW YORK**

PLANNING BOARD
TOWN OF BETHLEHEM
ALBANY COUNTY, NEW YORK
By direction of the Chairman.
These drawings are hereby approved.
See sheet(s) 1 of 7 for date and signature.

FILE: 140067-1-2wg

C7 of 7



CONSTRUCTION SPECIFICATIONS

1. INSTALL CONSTRUCTION ENTRANCE IN ACCORDANCE WITH NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, SECTION 7A.
2. STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
3. LENGTH - NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
4. THICKNESS- NOT LESS THAN (6) INCHES.
5. STABILIZATION FABRIC - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCE AREA OF THE SITE, WHERE DIRECT PIPING IS INRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT TRACED OR PROPPED, WASHED OR TRACED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRANS ONTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

Design Criteria

Aggregate Size: Use a matrix of 1-4 inch stone, or reclaimed or recycled concrete equivalent.

Thickness: Not less than six (6) inches.

Width: 12-foot minimum but not less than the full width of points where ingress or egress occurs. 24-foot minimum if there is only one access to the site.

Length: As required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum would apply).

Geotextile: To be placed over the entire area to be covered with aggregate. Filter cloth will not be required on a singlefamily residence lot. A filter cloth under the entrance shall be provided as required. If piping is impossible, a mountable berm with 5:1 slopes will be permitted.

Criteria for Geotextile

The geotextile shall be woven or nonwoven fabric consisting only of continuous chain polypropylene filaments or yarns of polypropylene and shall be inert to commonly encountered chemicals, hydrocarbons, mildew, rot resistant, and conform to the fabric properties as shown:

Fabric Properties:

Fabric Properties	Roots	Grade	Subgrade	Test Method
Grab Tensile Strength (lbs)	200	220		ASTM D1682
Elongation at Failure (%)	50	60		ASTM D1682
Mullen Burst Strength (lbs)	190	430		ASTM D3786
Puncture Strength (lbs)	40	125		ASTM D751 modified
Equivalent	40-80	40-80		US Std Sieve
Opening Size				CW-02215

Aggregate Depth: 6 10 --

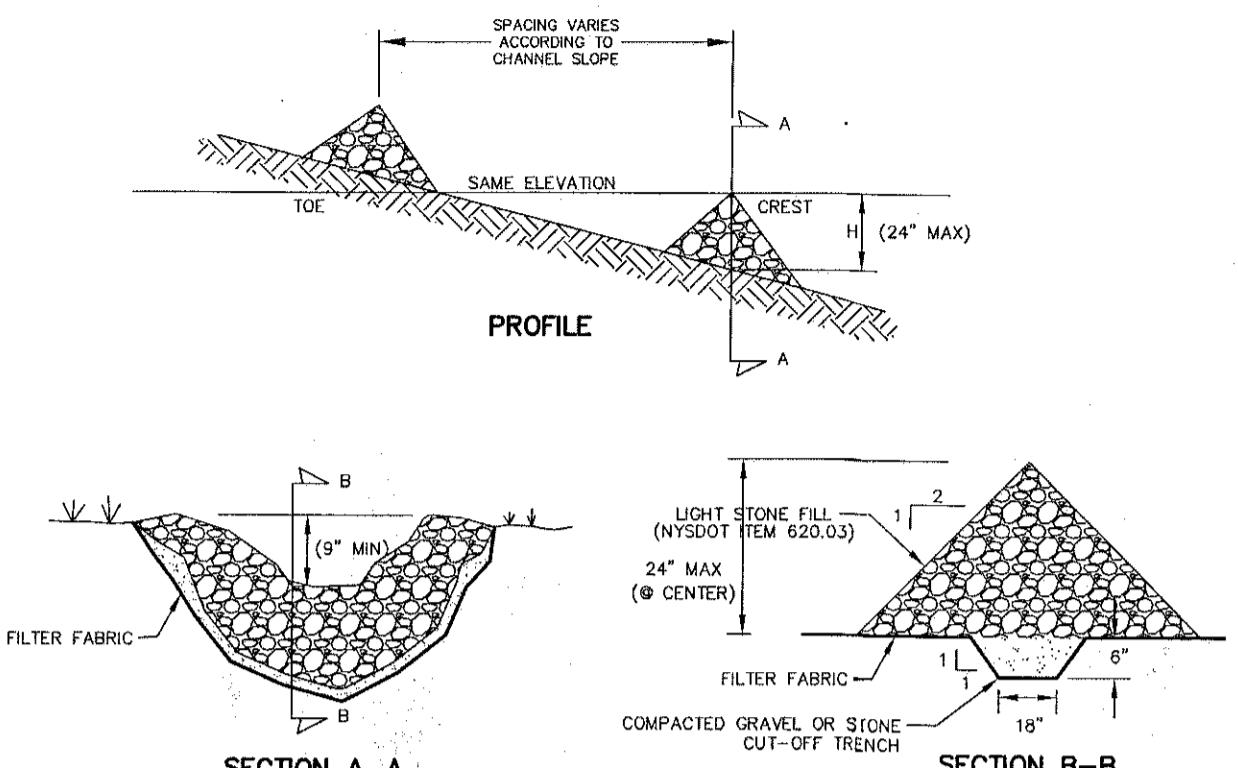
Light Duty Roots: Area sites that have been graded to subgrade and where most travel would be single axle vehicles and on occasional multiple axle vehicles. Acceptable materials are Trevo Spurboard 1110, Mirfil 1000, Typar 3401, or equivalent.

Heavy Duty Roots: Area sites with only rough grading, and where most travel would be multi-axle vehicles. Acceptable materials are Trevo Spurboard 1110, Mirfil 1000, Typar 3401, or equivalent.

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

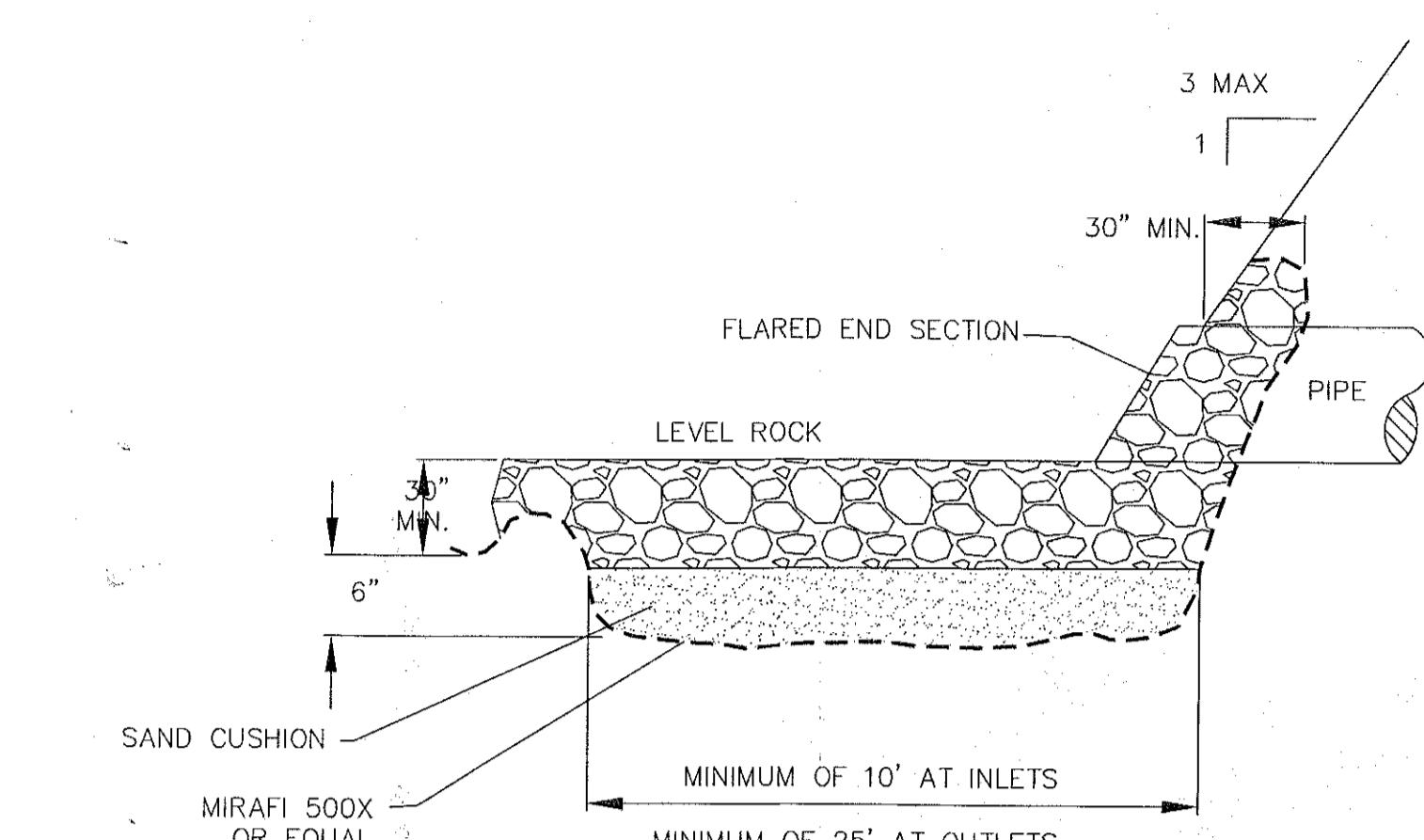
STABILIZED CONSTRUCTION ENTRANCE DETAIL

NOT TO SCALE



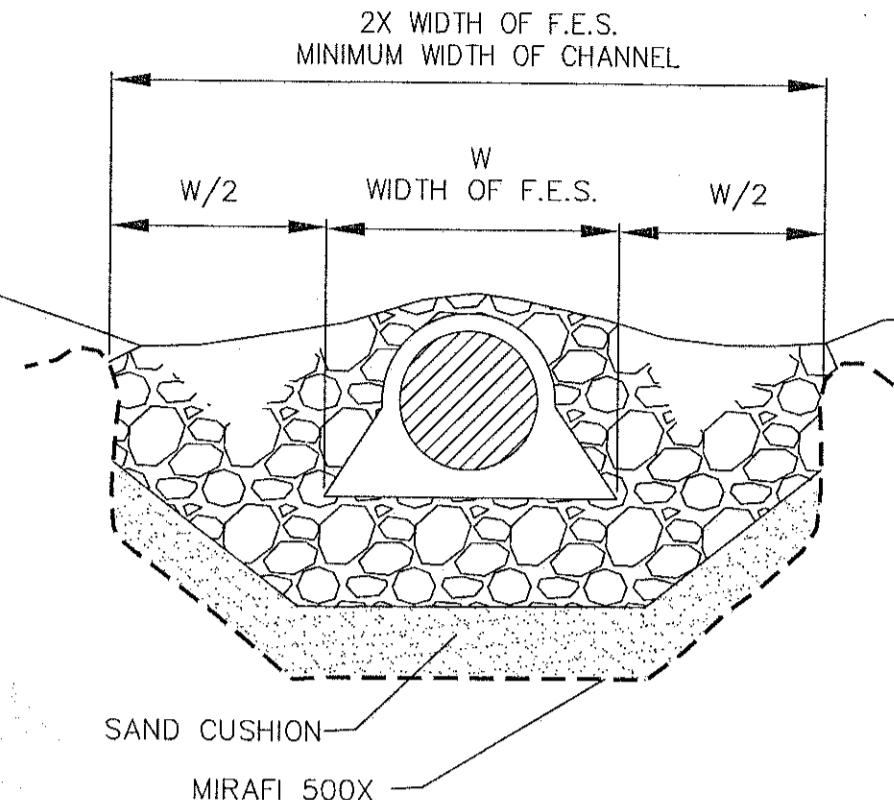
SECTION A-A

SECTION B-B



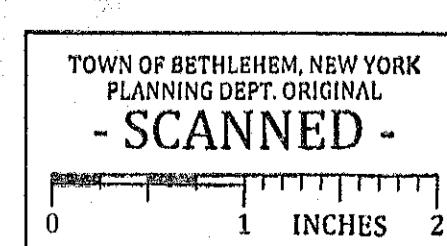
FLARE END SECTION AND RIP-RAP DETAIL

NOT TO SCALE



FLARE END SECTION AND RIP-RAP DETAIL

NOT TO SCALE



TOWN OF BETHLEHEM, NEW YORK
PLANNING DEPT. ORIGINAL
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