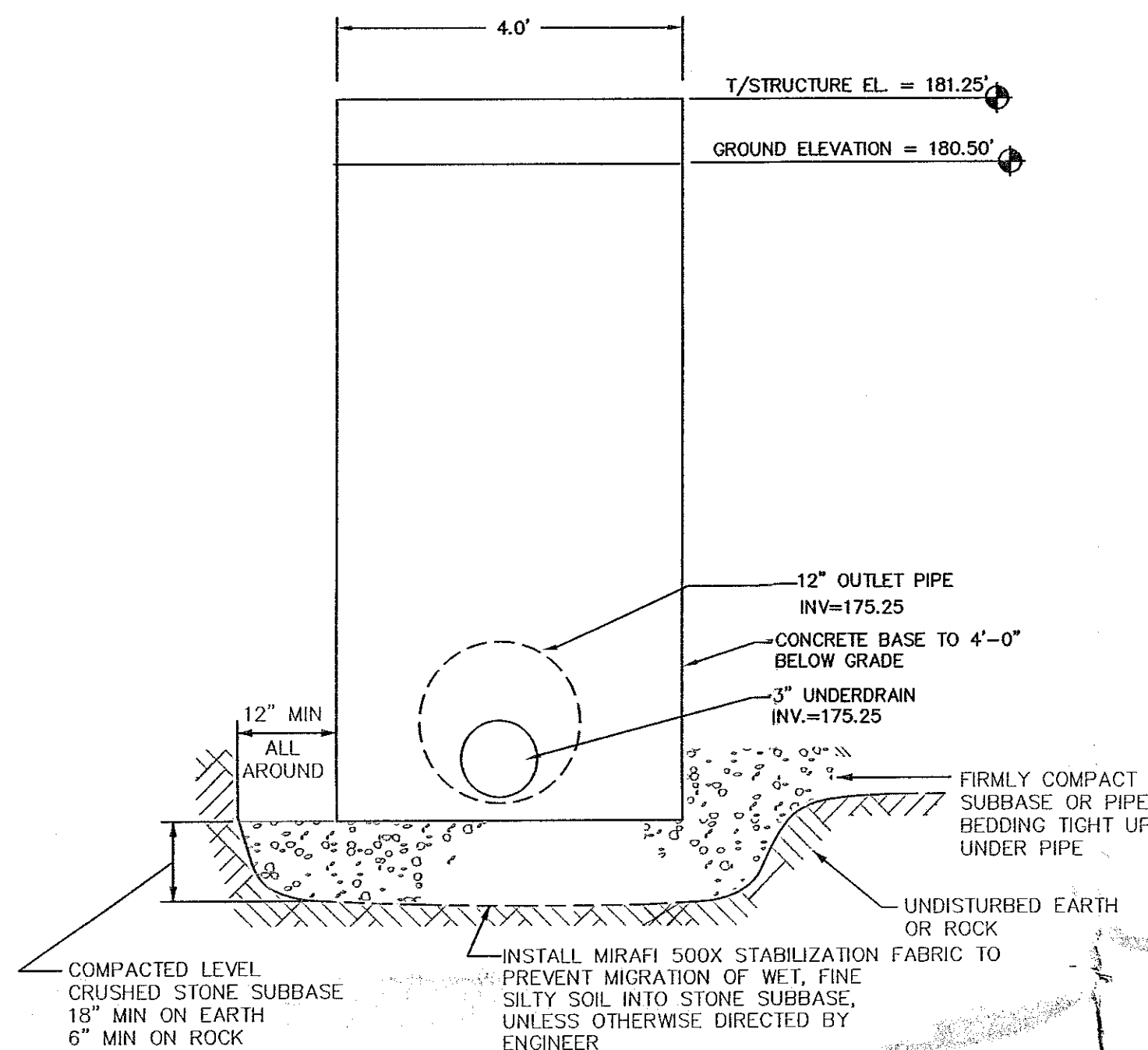


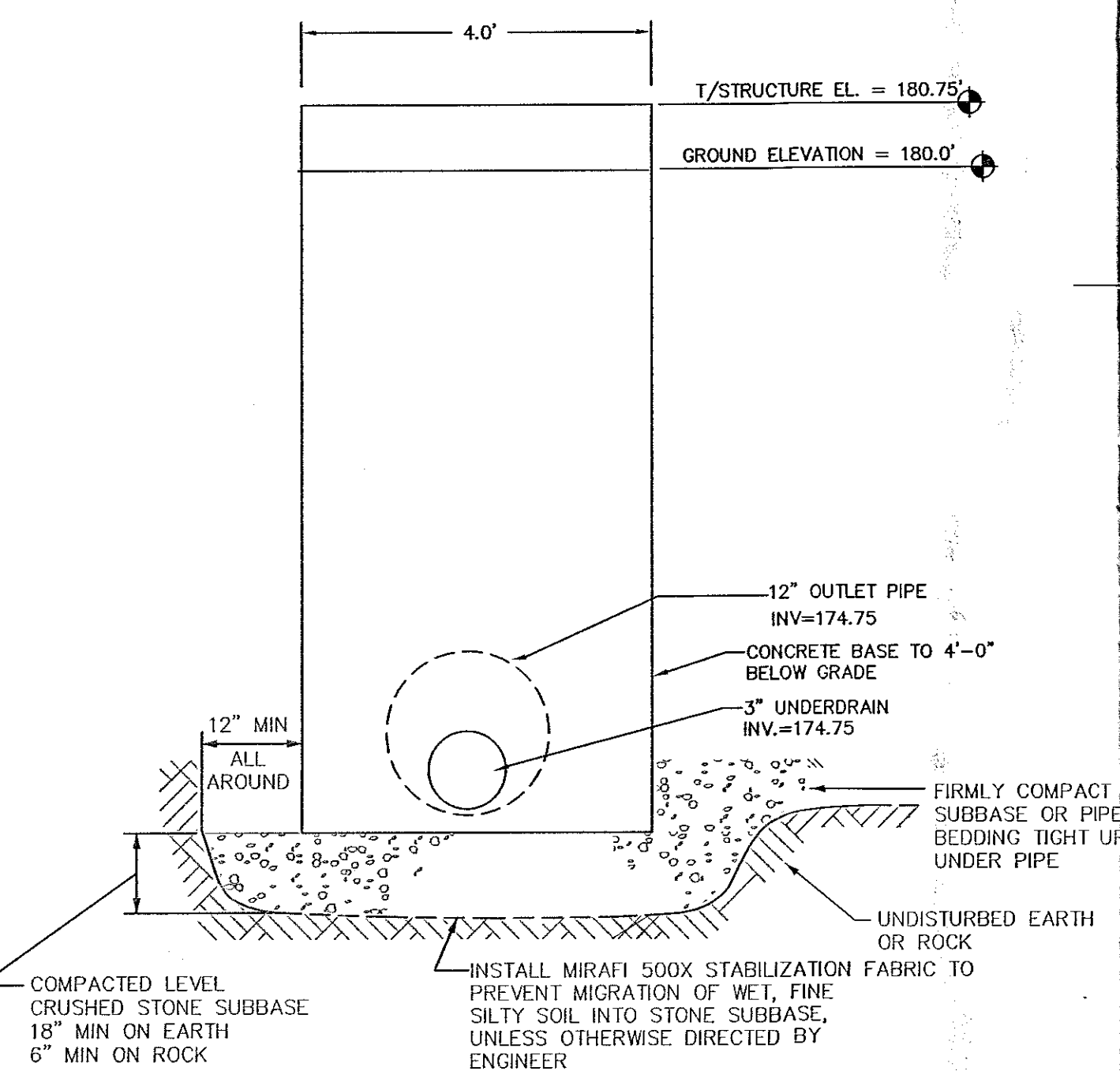
OCS-1 - PLAN

N.T.S.



OCS - 1- ELEVATION

N.T.S.

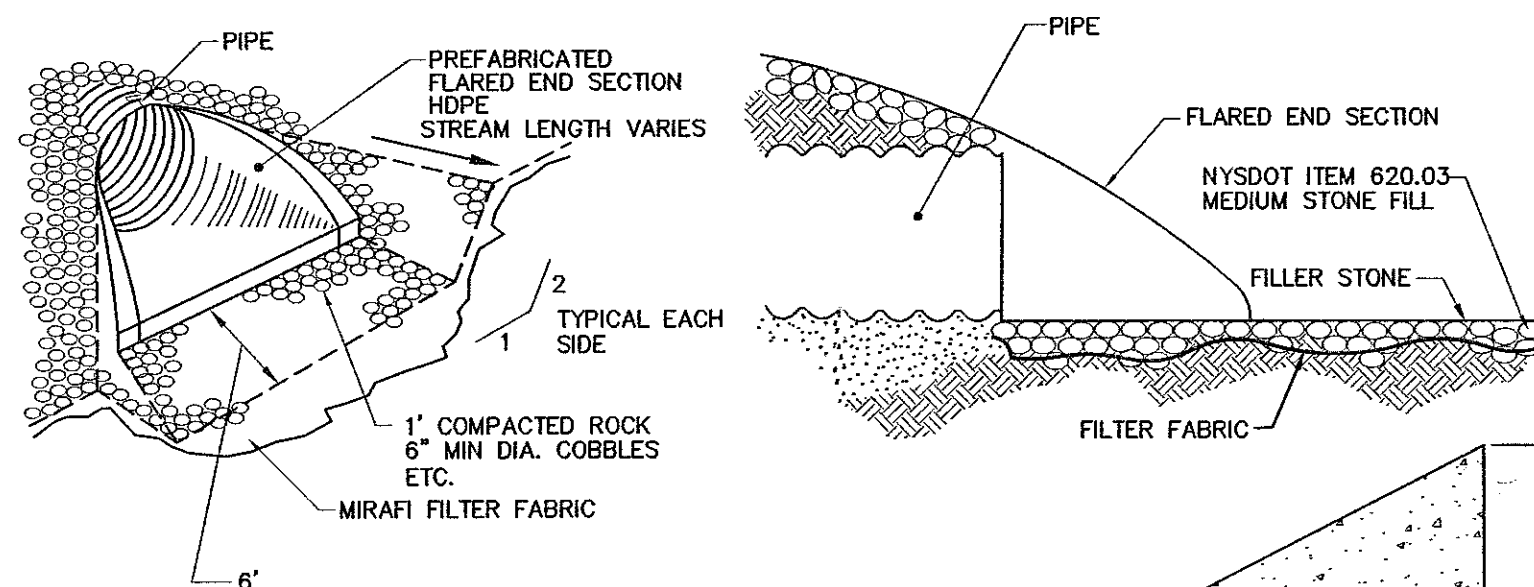


OCS - 2 - ELEVATION

N.T.S.

GRAVEL DIAPHRAM DETAIL

SCALE: N.T.S.



PIPE W/ FLARED END SECTION FOR FES-1 AND FES-2

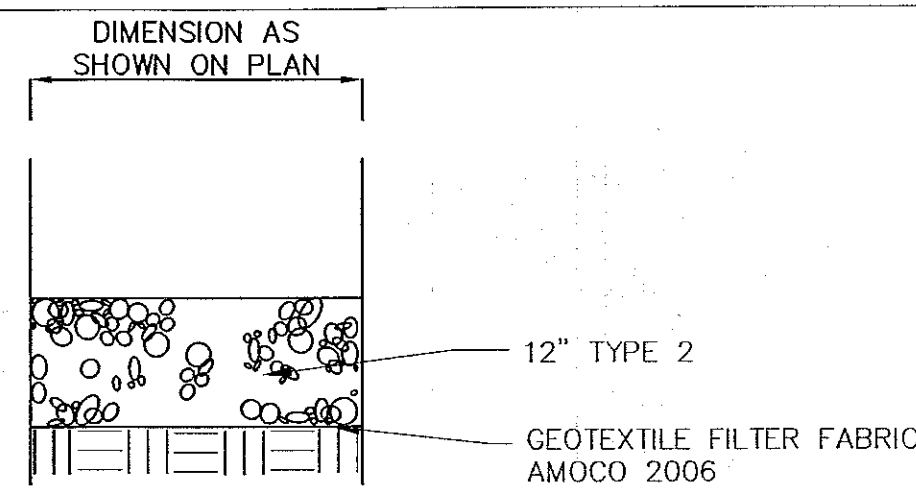
SCALE: NONE

STONE FILL TO BE PLACED IN TWO LAYERS A MINIMUM OF 12\"/>

OCS - 2 - PLAN

OUTLET STRUCTURE NOTES

1. CONCRETE STRUCTURE TO BE CUSTOMIZED PRECAST. SHOP DRAWINGS TO BE APPROVED BY THE DESIGN ENGINEER.
2. CONTRACTOR TO VERIFY TOP OF DETENTION AREA AT ELEVATION 100.0' MINIMUM.
3. CONTRACTOR TO VERIFY ALL DIMENSIONS AND ELEVATIONS PRIOR TO CONSTRUCTION.



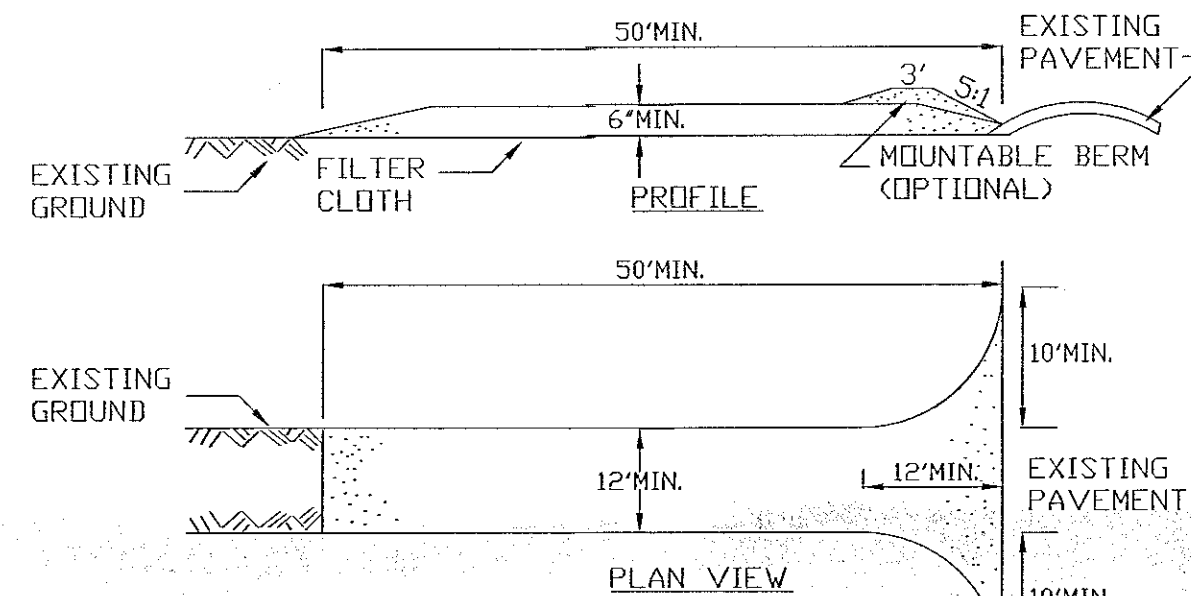
CRANE PAD SECTION

(NOT TO SCALE)

SEEDING MIX			
PRIMARY SEED MIX: 130 lbs/acre			
AMT. BY WEIGHT	SPECIES OR VARIETY	PURITY	MIN. % GERM.
55%	KENTUCKY BLUE GRASS BLEND	95%	80%
25%	RED FESCUE	97%	85%
20%	PERENNIAL RYE	98%	90%
100%			
TEMPORARY COVER SEED MIX: 30 lbs/acre			
AMT. BY WEIGHT	SPECIES OR VARIETY	PURITY	MIN. % GERM.
90%	ANNUAL RYE GRASS	98%	90%
10%	ORGANIC MATERIAL	-	-
100%			

SITE PREPARATION:

1. SEEDBED PREPARATION - SCARIFY IF COMPACTED. REMOVE DEBRIS AND OBSTACLES SUCH AS ROCKS AND STUMPS.
2. SOIL AMENDMENTS:
 - A. LIME TO A PH OF 6.0
 - B. FERTILIZE WITH 600LBS OF 5-10-10 OR EQUIV. PER ACRE (14LBS/1000 S.F.)
3. POST SEEDING FERTILIZATION AND WATERING IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ACCEPTED BY THE OWNER AS DESCRIBED IN THE PROJECT SPECIFICATIONS

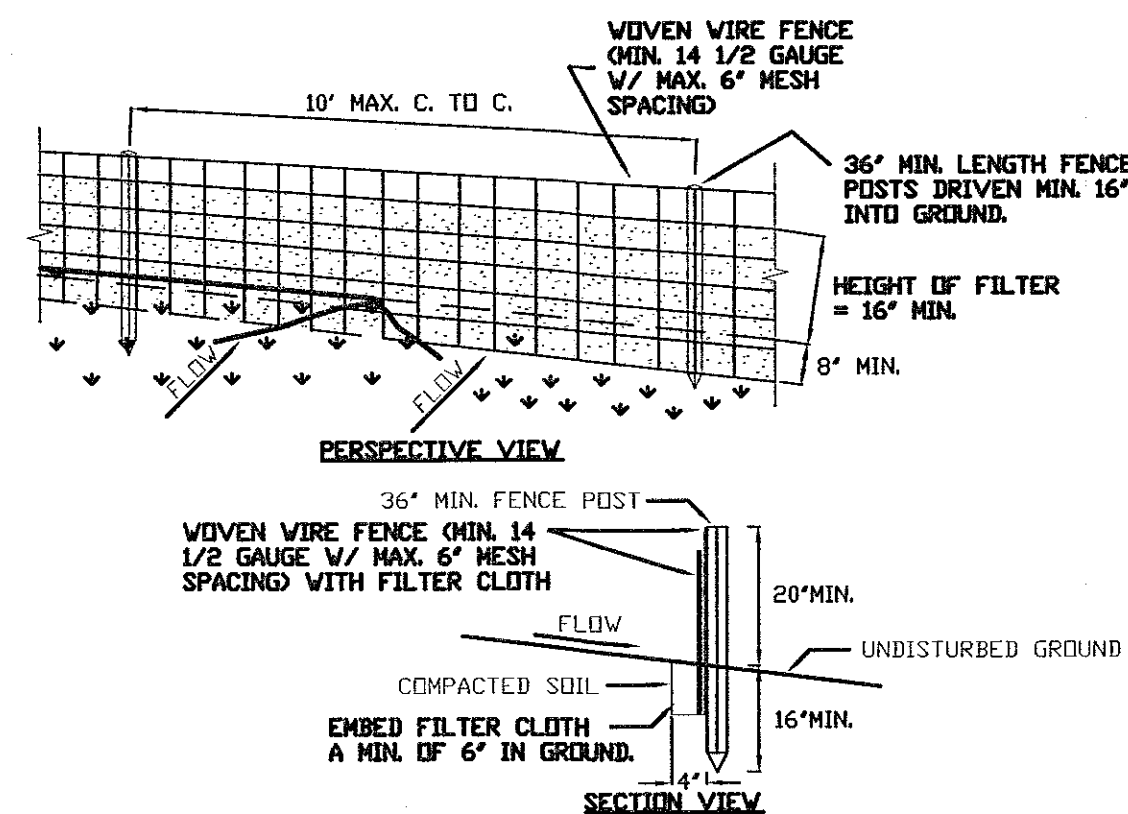


CONSTRUCTION SPECIFICATIONS

1. STONE SIZE - USE 2\"/>
2. LENGTH - NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
3. THICKNESS - NOT LESS THAN SIX (6) INCHES.
4. WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
5. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
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 RIGHTS-OF-WAY, ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACTED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON A 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.

STABILIZED CONSTRUCTION ENTRANCE DETAIL

(NOT TO SCALE)



CONSTRUCTION SPECIFICATIONS

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER 1\"/>
2. FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24\"/>
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA 1140N, OR APPROVED EQUIVALENT.
4. PREFABRICATED UNITS SHALL BE GEOTAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN \"BULGES\" DEVELOP IN THE SILT FENCE.

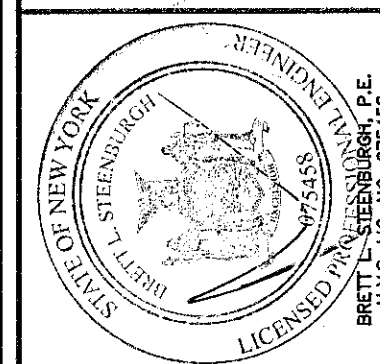
SILT FENCE DETAIL

(NOT TO SCALE)

NOTE: 72 HOURS PRIOR TO ANY CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL CONTACT THE DIG SAFELY NEW YORK TO LOCATE ALL UNDERGROUND UTILITIES. 1-800-962-7962

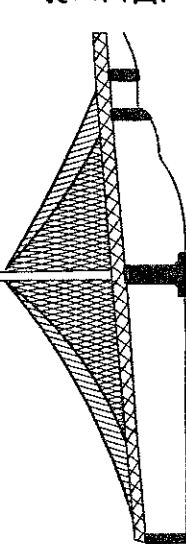
Soiling off times drawings shall be done only after the site has been inspected and approved for layout and construction.

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BRETT L. STEENBURGH, P.E. PLLC

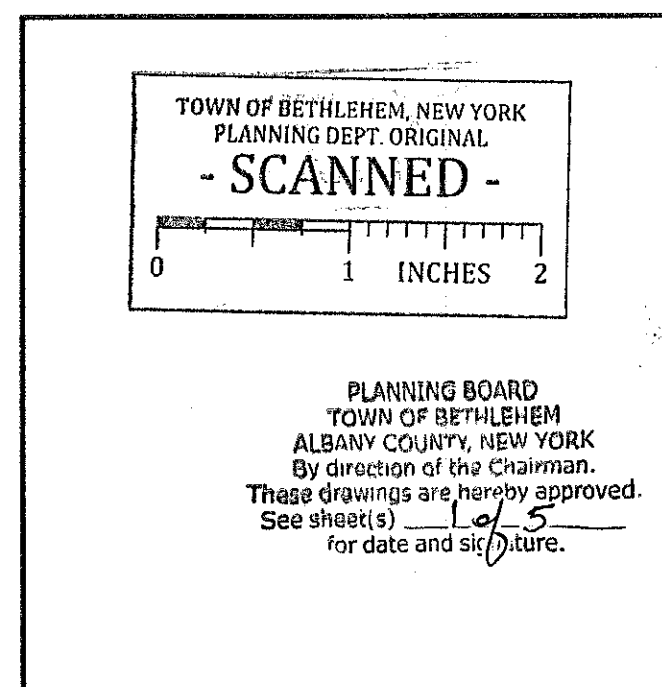
2832 ROSINDALE ROAD
NISKAYUNA, NY 12309
PHONE - (518) 865-0675
FAX - (518) 280-6520
bsteenb@nyceprr.com



CIVIL ENVIRONMENTAL STRUCTURAL
ENGINEERING

DETAILS - CRANE TRAINING CENTER
INTERNATIONAL UNION OF OPERATING ENGINEERS
27 HANNAY LANE
TOWN OF BETHLEHEM
ALBANY COUNTY, NEW YORK

COUNTY OF ALBANY
DRAWN BY: BLS
CHECKED BY: BLS
DATE: AUGUST 7, 2016
STATE OF NEW YORK
SCALE: AS NOTED
SHEET 3 OF 4



TOWN OF BETHLEHEM APPROVAL