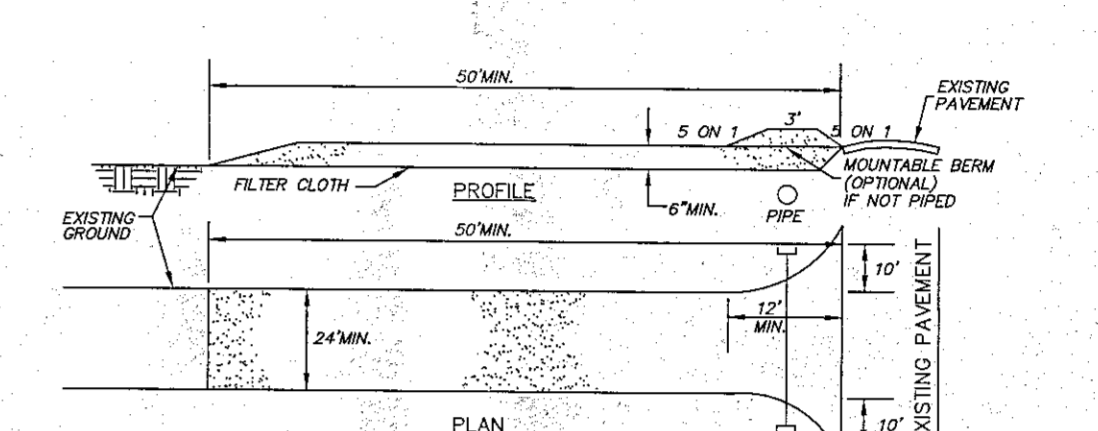


- 1. FILTER FABRIC SHALL HAVE AN EDS OF 40-85. BURLAP MAY BE USED FOR SHORT TERM APPLICATIONS.
- 2. CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY WILL BE OVERLAPPED TO THE NEXT STAKE.
- 3. STAKE MATERIALS WILL BE STANDARD 2"x4" WOOD OR EQUIVALENT METAL.
- 4. SPACE STAKES EVENLY AROUND INLET 3 FEET APART AND DRIVE A MINIMUM 18" DEEP. STAKES GREATER THAN 5" MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND THE FILTER FABRIC FOR SUPPORT.
- 5. FABRIC SHALL BE OVERLAPPED MINIMUM 6" BELOW GROUND AND BACKFIELD IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.
- 6. A 2" X 4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVER FLOW STABILITY.

FILTER FABRIC DROP INLET PROTECTION DETAIL



- CONSTRUCTION SPECIFICATIONS**
- 1. STONE SIZE - USE 2" STONE OR RECLAIMED OR RECYCLED CONCRETE.
 - 2. LENGTH - AS REQUIRED, BUT NOT LESS THAN 30 FEET.
 - 3. THICKNESS - NOT LESS THAN 18" (6" MINIMUM).
 - 4. WIDTH - NOT LESS THAN THE FULL DRIVEWAY WIDTH AT POINTS WHERE INCREASES OR DECREASES OCCUR. IF MINIMUM 3" SLOPE INCREASE TO SITE, MINIMUM 18" IS REQUIRED.
 - 5. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING STONE.
 - 6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE DIVERTED AWAY FROM THE ENTRANCE PRIOR TO PLACING STONE.
 - 7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT INTRUSION OF SEDIMENT, DEBRIS, FUEL, OIL, AND OTHER HAZARDOUS MATERIALS INTO THE DRIVEWAY. CLEANING OF ANY MATERIALS MUST BE DONE PRIOR TO PLACING STONE.
 - 8. WADING - WHEELS SHALL BE CLEANED WHEN NECESSARY TO REMOVE SEDIMENT PRIOR TO ENTERING DRIVEWAY. ROADWAYS SHALL BE MAINTAINED TO PREVENT ANY ADVERSE EFFECTS ON THE DRIVEWAY. ROADWAYS SHALL BE MAINTAINED TO PREVENT ANY ADVERSE EFFECTS ON THE DRIVEWAY.
 - 9. FUELING - FUELING AND OIL CHANGES SHALL BE PROVIDED AFTER EACH RUN.

STABILIZED CONSTRUCTION ENTRANCE

TEMPORARY SEEDING

THE CONTRACTOR SHALL APPLY TEMPORARY EROSION CONTROL SEEDING TO ALL BARE EARTH AREAS WITHIN 14 DAYS AFTER GRADING IS COMPLETE AT AN APPLICATION RATE OF 40 LBS/1000 SQUARE FEET FOR RYE GRASS MIX.

BROADCASTING OF THE SEED SHALL BE BY MACHINE, HAND METHODS, HYDRAULIC SEEDING OR OTHER METHODS APPROVED BY THE ENGINEER. PROVIDE STRAW MULCH AS COVER OVER SEED EXCEPT WHEN HYDROSEEDING METHOD IS USED.

A. WHERE THE INITIATION OF STABILIZATION MEASURES BY THE 14TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASED IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE.

B. WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EARTH-DISTURBING ACTIVITIES WILL BE RESUMED WITHIN TWENTY-ONE (21) DAYS, TEMPORARY STABILIZATION MEASURES NEED NOT BE INITIATED ON THAT PORTION OF THE SITE.

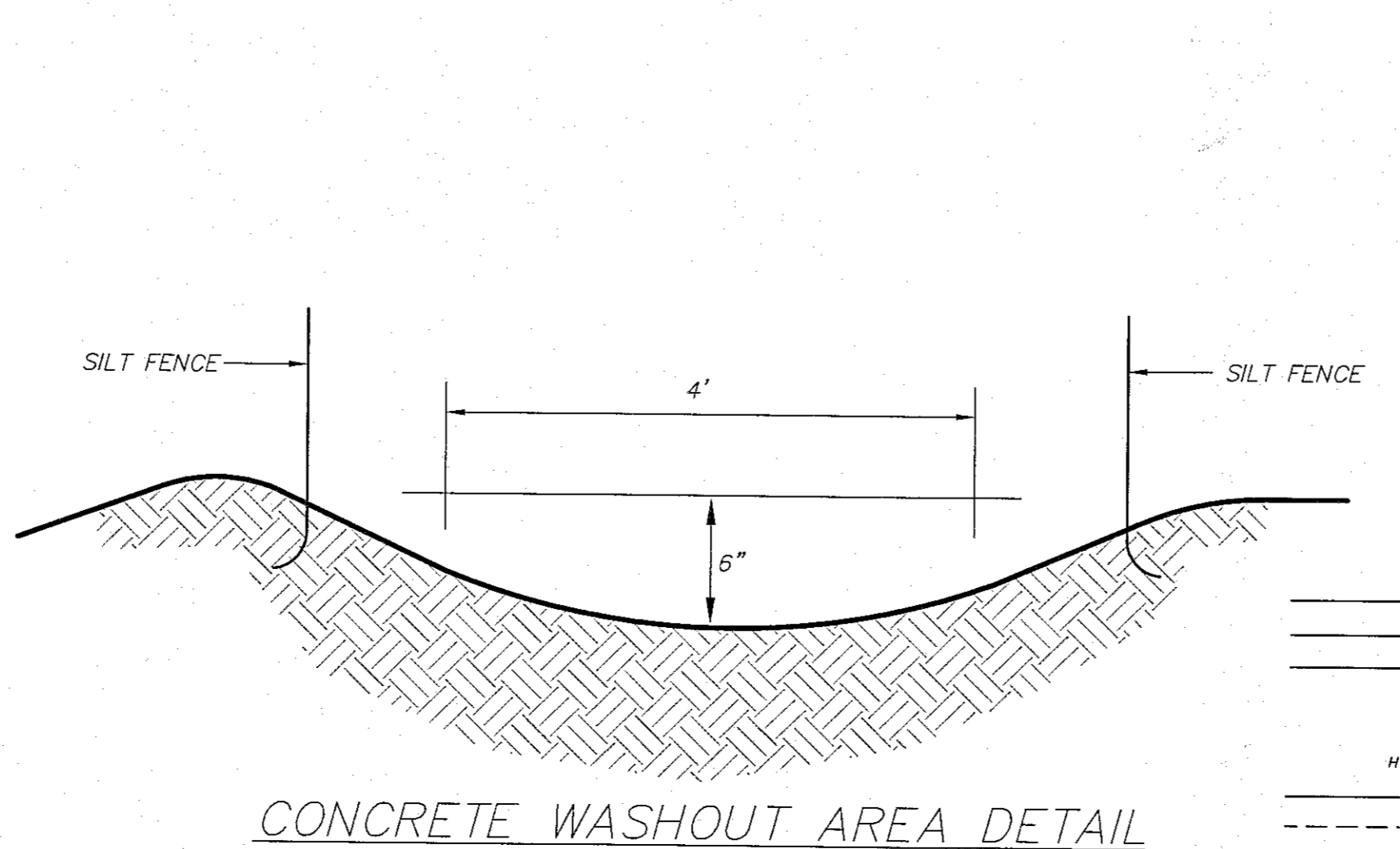
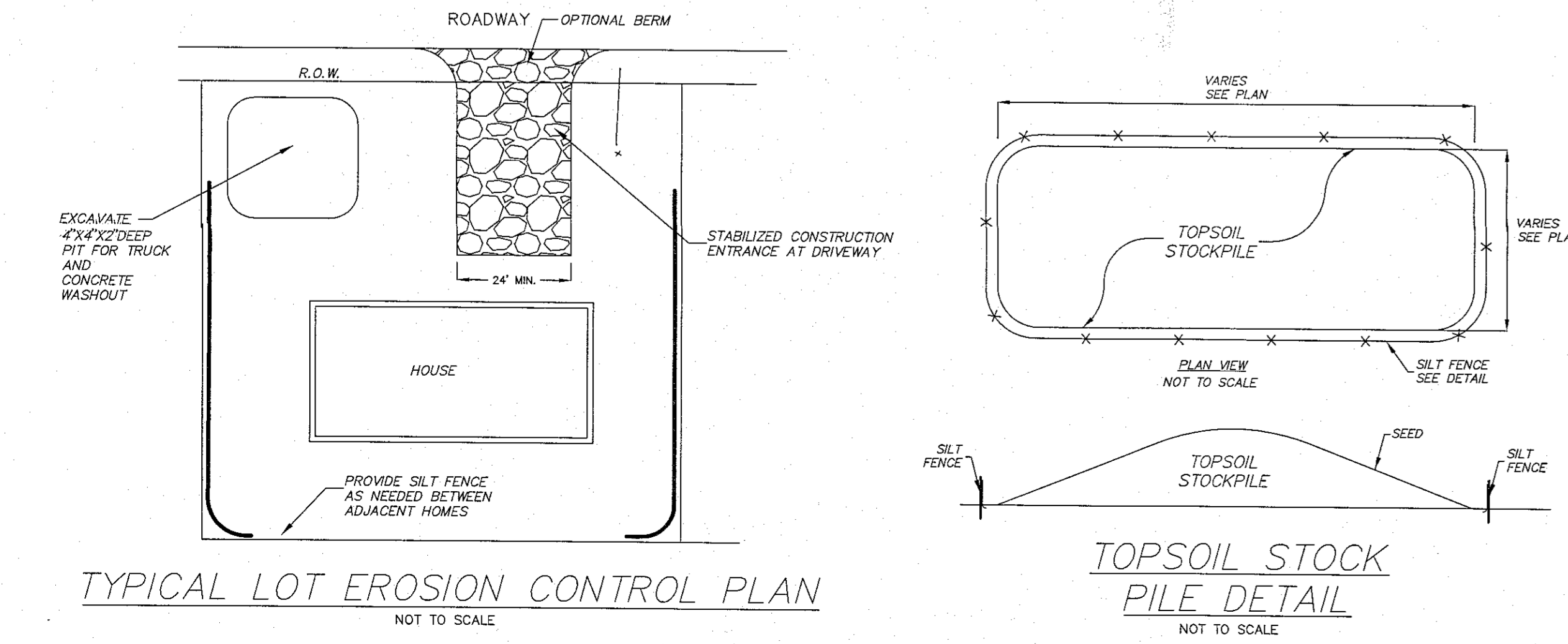
- THE CONTRACTOR SHALL AS A MINIMUM IMPLEMENT THE FOLLOWING EROSION AND SEDIMENT CONTROL MEASURES:
- CONSTRUCTION AND MAINTENANCE OF EROSION AND SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH THE NEW YORK STATE GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL.
 - INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN ON THE PLANS AND AS NEEDED DURING THE GENERAL COURSE OF WORK.
 - PRIOR TO SITE DISTURBANCE, EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN-PLACE.
 - TEMPORARY INSTALLATION OF STABILITY CONSTRUCTION PADS AT ALL LOCATIONS WHERE CONSTRUCTION VEHICLES WOULD ENTER ONTO PUBLIC STREETS.
 - EXCAVATION WORK TO BE CARRIED OUT DURING PERIODS OF INCLEMENT WEATHER SHALL REQUIRE ADDITIONAL EROSION CONTROL MEASURES AS MAY BE NECESSARY BASED ON CONDITIONS.
 - APPLICATION OF PROPOSED ASPHALT AREAS BY COMPACTION AND STABILIZATION OF SUBBASE WITHIN TWO WEEKS AFTER UTILITIES ARE INSTALLED.
 - VEGETATIVE STABILIZATION OF DISTURBED AREAS INCLUDING R.O.W. AND EASEMENTS WITHIN TWO WEEKS OF FINAL GRADING.
 - WEEKLY INSPECTION OF EROSION AND SEDIMENT CONTROL MEASURES AND DOWNSTREAM PROPERTIES TO DETERMINE THEIR EFFECTIVENESS. IMPLEMENTATION OF ADDITIONAL MEASURES AS NECESSARY TO PROTECT ADJACENT AND DOWNSTREAM PROPERTIES AS DETERMINED BY THE INSPECTOR.
 - INSPECTION PER THE N.O.I./S.W.P.P.P.

- SOIL EROSION AND STABILIZATION**
- 1. PLANS SHOW TEMPORARY SOIL EROSION AND STABILIZATION MEASURES WHICH SHALL BE MAINTAINED UNTIL ALL AREAS ARE STABILIZED.
 - 2. THE CONTRACTOR SHALL BE RESPONSIBLE TO SEED AND MULCH (OR HYDROSEED).
 - 3. ADDITIONAL EROSION CONTROL METHODS INCLUDING SOIL STABILIZATION MATS, PLACEMENT OF STONE, PLACEMENT OF SOIL MAY BE REQUIRED DUE TO CLIMATIC CONDITIONS (EXCESS RAIN, ETC.) THE ENGINEER SHALL NOT BE RESPONSIBLE FOR ANY COSTS ASSOCIATED WITH THE EXTRA MEASURES AND IT SHALL NOT BE CONSIDERED AN OMISSION OR ERROR ON THE PLAN IF THESE ADDITIONAL MEASURES ARE NOT SPECIFIED INITIALLY.

SEQUENCE OF EROSION CONTROL MEASURES

THE FOLLOWING IS THE GENERAL SEQUENCE OF CONSTRUCTION THAT WILL OCCUR ON THE SITE.

- STREET CONSTRUCTION:**
1. SITE PREPARATION: SILT FENCE WILL BE INSTALLED ALL ALONG THE R.O.W. OF THE PROPOSED STREET. THE SILT FENCE WILL REMAIN IN PLACE UNTIL ALL AREAS BEING SERVED ARE STABILIZED. A TEMPORARY CONSTRUCTION ENTRANCE SHALL BE ESTABLISHED AT MURRAY AVENUE TO CAPTURE MUD AND DEBRIS FROM CONSTRUCTION VEHICLES BEFORE THEY ENTER THE PUBLIC HIGHWAY. CLEARING AND DISTURBANCE SHALL BE LIMITED TO THAT NECESSARY TO INSTALL TEMPORARY SEDIMENT CONTROL MEASURES.
 2. ROUGH GRADING: ANY ADDITIONAL REQUIRED SILT FENCE WILL BE INSTALLED. TREES AND OTHER VEGETATION WILL BE REMOVED FROM THE ROADWAY AREAS TO BE DISTURBED.
 3. TEMPORARY SEDIMENT BASIN: CONSTRUCT TEMPORARY SEDIMENT BASIN, 60' LONG, 5' DEEP AND 15' WIDE, 4,500 CUBIC FEET. TEMPORARILY GRADE SITE TO TEMPORARY SEDIMENT BASIN UNTIL SITE IS STABILIZED AND PERMANENT DETENTION BASIN IS INSTALLED.
 4. STABILIZATION: SEED AND MULCH R.O.W.
 5. STORMWATER FACILITY: CONSTRUCT THE TEMPORARY BASIN FOR THE LOT ADJACENT TO THE DRAINAGE EASEMENT WHERE THE DETENTION POND WILL BE BUILT. THE PROJECT SITE WILL NOT BE REGRADED TOWARD THE DETENTION BASIN UNTIL AFTER THE BASIN AND SITE IS STABILIZED.
 6. LOT PREPARATION: INSTALL SILT FENCE ON A LOT BY LOT BASIS, ALONG THE CLEARING LIMITS. INSTALL STABILIZED CONSTRUCTION ENTRANCE AT DRIVEWAY LOCATION. CONSTRUCT THE TEMPORARY SEDIMENT BASIN ON A LOT BY LOT BASIS. TEMPORARILY GRADE THE SITE TO THE SEDIMENT BASIN.
 7. STABILIZATION: STABILIZATION MUST BE UNDERTAKEN AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. THIS REQUIREMENT DOES NOT APPLY IN THE FOLLOWING INSTANCES:
 - A. WHERE THE INITIATION OF STABILIZATION MEASURES BY THE 14TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASED IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE.
 - B. WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EARTH-DISTURBING ACTIVITIES WILL BE RESUMED WITHIN TWENTY-ONE (21) DAYS, TEMPORARY STABILIZATION MEASURES NEED NOT BE INITIATED ON THAT PORTION OF THE SITE.



- SILT FENCE NOTES:**
1. PROVIDE INTERMEDIATE OR TEMPORARY SILT FENCES AS NEEDED.
 2. SILT FENCING SHALL BE INSTALLED AS EACH AREA IS DISTURBED AND REMAIN UNTIL THE AREA IS STABILIZED. FENCING BEHIND FINISHED HOUSES CAN BE REMOVED UPON STABILIZATION OF EACH HOUSE.

NOI REQUIRED PRIOR TO ANY WORK

- LEGEND**
- ST - PROPOSED STORM LINE
 - S - PROPOSED SEWER LINE
 - V - PROPOSED WATER LINE
 - (R) - PROPOSED STORM CATCHBASIN
 - (M) - PROPOSED SANITARY MANHOLE
 - 183 - PROPOSED HYDRANT
 - 183 - PROPOSED GRADING
 - 183 - EXISTING GRADING
 - 183 - PROPOSED LOT LINE

PLANNING BOARD
TOWN OF BETHLEHEM
ALBANY COUNTY, NEW YORK
By direction of the Commissioner of Health, these plans are hereby approved. See first sheet for conditions and restrictions.

THOMAS C. ANDRESS, P.E.
N.Y.S. LICENSE NO. 61836

ALBANY COUNTY DEPT. OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH SERVICES

By direction of the Commissioner of Health, these plans are hereby approved. See first sheet for conditions and restrictions.

NO.	DATE	BY	DATE	BY
1.	10/1/2012	TC	10/1/2012	TC
2.	10/1/2012	TC	10/1/2012	TC
3.	10/1/2012	TC	10/1/2012	TC
4.	10/1/2012	TC	10/1/2012	TC
5.	10/1/2012	TC	10/1/2012	TC
6.	10/1/2012	TC	10/1/2012	TC
7.	10/1/2012	TC	10/1/2012	TC
8.	10/1/2012	TC	10/1/2012	TC
9.	10/1/2012	TC	10/1/2012	TC
10.	10/1/2012	TC	10/1/2012	TC

EROSION & SEDIMENT CONTROL PLAN
SECTION 1
LEGENDS PRESERVE
CONSERVATION SUBDIVISION
JOLLEY ROAD

TOWN OF BETHLEHEM COUNTY OF ALBANY
STATE OF NEW YORK

ABD ENGINEERS & SURVEYORS
411 Union Street
Schenectady, N.Y. 12305
518-377-0315 Fax: 518-377-0379

DATE: OCT 1, 2012 SCALE: 1"=50' DWG: 2633-SHEET 13 OF 21