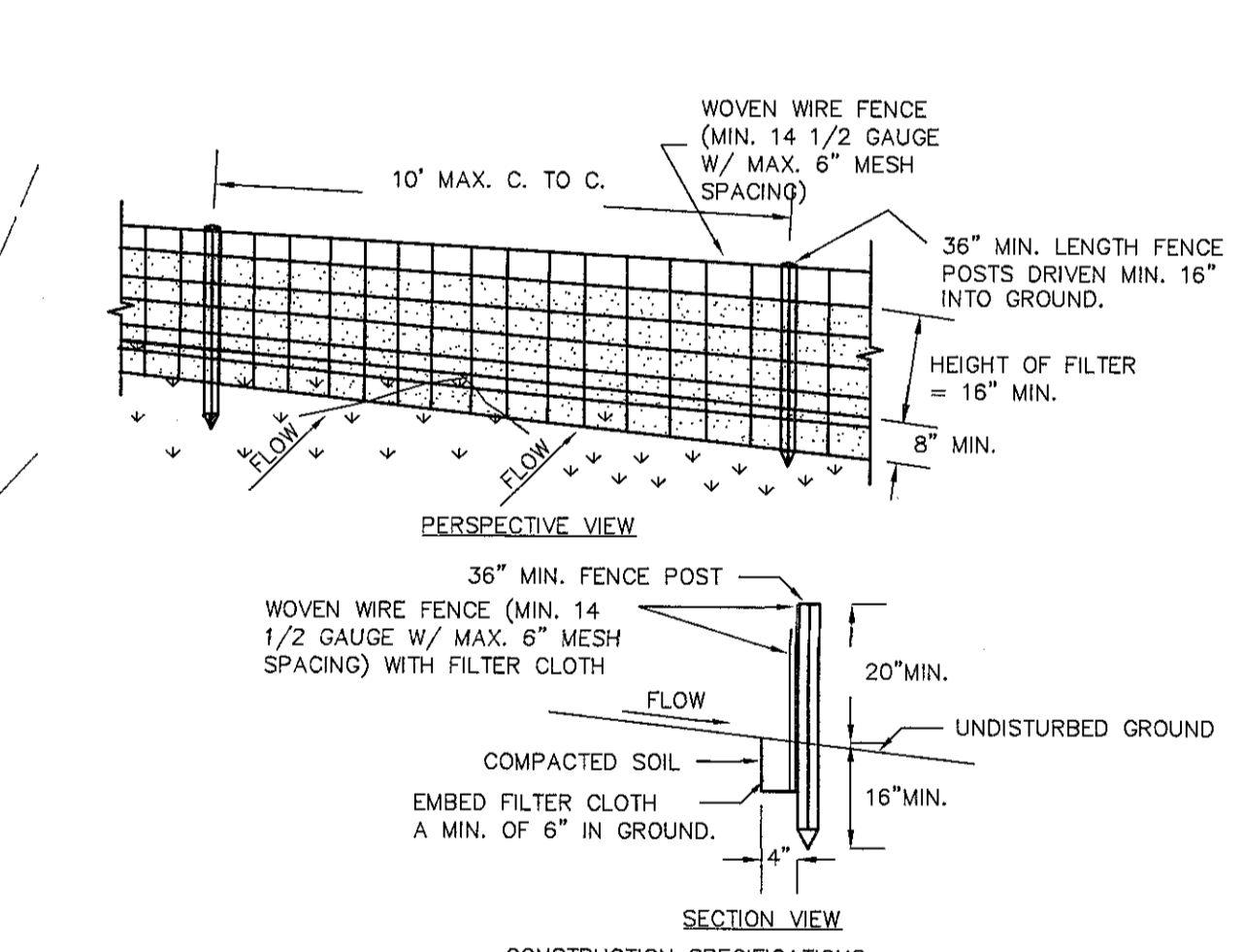
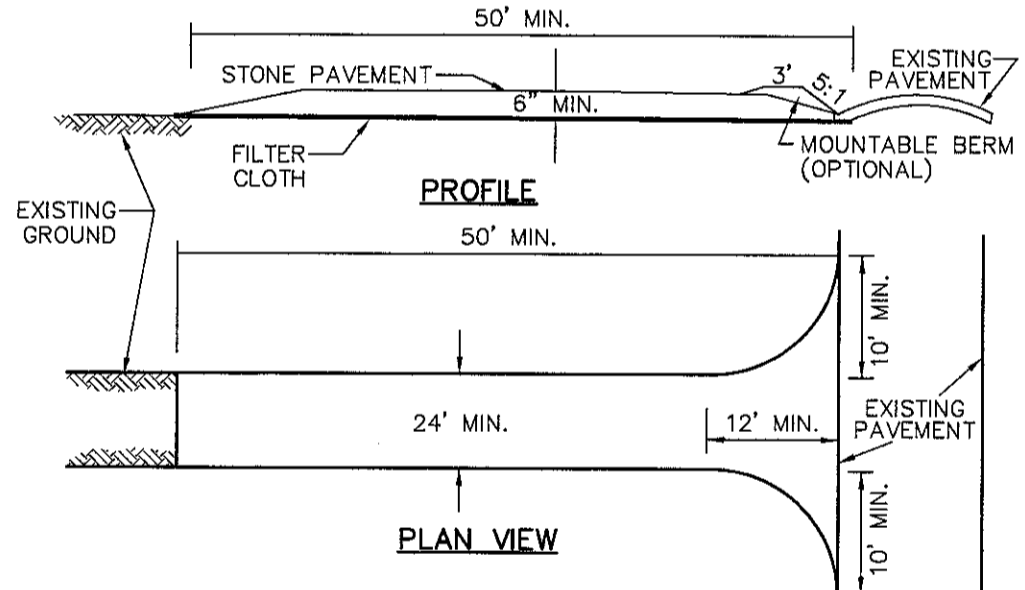


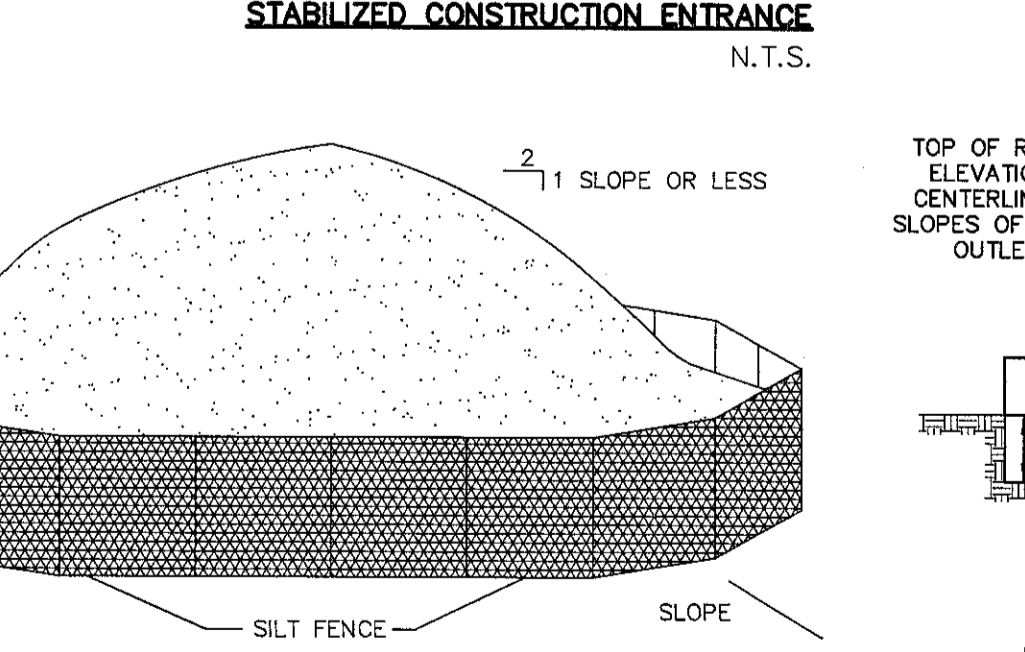
- EROSION & SEDIMENT CONTROL PLAN NOTES:**
1. EROSION CONTROLS SHALL BE AS SHOWN ON THE OVERALL/EROSION CONTROL PLAN.
 2. ALL PROPOSED EROSION CONTROLS SHALL BE INSTALLED PRIOR TO BEGINNING OF CONSTRUCTION. FINAL LOCATION AND CONSTRUCTION SHALL BE REVIEWED BY THE ENGINEER.
 3. STAKEOUT OF ALL PROPOSED EROSION CONTROLS SHALL BE DONE BY A NEW YORK STATE LICENSED PROFESSIONAL SURVEYOR.
 4. REMOVE EROSION CONTROLS ONLY UNDER THE AUTHORIZATION OF THE ENGINEER.
 5. CONTRACTOR MUST PROTECT ALL SURFACE WATERS FROM SILTATION DURING CONSTRUCTION WITH APPROPRIATE MEASURES INCLUDING BUT NOT LIMITED TO, PLACING STRAW BALES AND SILT FENCING AROUND WORK.
 6. EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIRED. ADDITIONAL MEASURES MAY BE REQUIRED BASED ON FIELD CONDITIONS. DURING CONSTRUCTION AS DIRECTED BY THE ENGINEER.
 7. EROSION AND SEDIMENT METHODS SHALL COMPLY WITH "THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL," LATEST EDITION.
 8. EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSPECTED PERIODICALLY AND AFTER EACH RAINFALL EVENT. THE CONTRACTOR SHALL REPAIR THE EROSION AND SEDIMENT CONTROL DEVICES AS NECESSARY AND AS DIRECTED BY THE ENGINEER.
 9. ALL TEMPORARY EXPOSED FACES OF EARTH CUTS AND FILLS SHALL BE RESTORED OR PROTECTED FROM EROSION IMMEDIATELY UPON COMPLETION OF WORK. PROVISIONS SHALL BE MADE IN ORDER TO MINIMIZE FORTY-FIVE (45) DAYS. PROVISIONS SHALL BE MADE IN ORDER TO MINIMIZE FORTY-FIVE (45) DAYS. DISTURBANCE AND PREVENT THE ACCUMULATION OF STORM WATER RUNOFF AND EROSION OF DISTURBED EARTH SLOPES.
 10. UPON COMPLETION OF GRADING OPERATIONS THE DISTURBED AREAS SHALL BE STABILIZED BY THE FOLLOWING METHODS, DEPENDING UPON THE CLASSIFICATION OF THE AREA AS EITHER TO RECEIVE PERMANENT OR TEMPORARY SEEDING:
 - SEED BED PREPARATION: AREAS ARE DEEMED AS REQUIRING TOPSOIL THEN APPLY TOPSOIL TO A UNIFORM MINIMUM DEPTH OF FOUR INCHES (4"). TOPSOIL SHALL BE FRABLE AND LOAMY, FREE OF DEBRIS, OBJECTIONABLE WEEDS AND STONES, AND CONTAIN NO TOXIC MATERIALS. IF TOPSOIL IS DEEMED UNNECESSARY THEN PREPARE SEED BED BY SCARPING COMPACTED AREAS AND REMOVING DEBRIS, ROOTS AND STUMPS. SEEDBED SHALL RECEIVE THE FOLLOWING SOIL AMENDMENTS:
 - 10.1. LIME TO A Ph of 6.0
 - 10.2. FERTILIZE WITH 800 LBS OF 5-10-10 OR EQUIVALENT PER ACRE (14 LBS/1000 SQ. FT.) THE SOIL AMENDMENTS SHALL BE WORKED INTO THE SEED BED WITH A DISC, SPRINGTOOTH HARROW, OR OTHER SUITABLE EQUIPMENT.
 - TEMPORARY SEEDINGS: ANNUAL KYBERGRASS SEED SHALL BE APPLIED AT A RATE OF 0.9 LBS PER 1000 SQUARE FEET. USE WINTER RYE IF SEEDING DURING OCTOBER/NOVEMBER.
 - PERMANENT SEEDINGS: SEEDING SHALL CONSIST OF 1 LB PER 1000 SQUARE FEET. SEED SHALL CONTAIN AT LEAST 50% FAST GERMINATING SEEDS AND 10% PINK CLOVER OR ALFALFA. THE SEED MIX SHALL BE SPREAD BY UTILIZING A ROTATING SEEDER DRILL OR CULTIVATOR SEEDER. SEED DEPTH SHALL BE FROM 1/4 TO 1/2 INCH. SEED MAY ALSO BE APPLIED BY APPROPRIATE HYDROSEEDING METHODS. ALL SEEDED AREAS SHALL BE MULCHED WITH STRAW MULCH APPLIED AT RATE OF 2 TON/ACRE (90 LBS PER 1000 SQUARE FEET) AND ANCHORED WITH "TERRA-TACK" OR EQUIVALENT.
 11. IF STABILIZATION BY SEEDING CANNOT OCCUR DURING THE RECOMMENDED SEEDING PERIODS, TOPSOIL, FILL AND EXHAUSTED MATERIALS AREAS SHALL BE TEMPORARILY STABILIZED WITH ANCHORED MULCH UNTIL SUCH TIME AS SPECIFIC SEEDING CAN OCCUR.
 12. STOCKPILE MATERIALS SHALL NOT BE LOCATED WITHIN TWENTY-FIVE FEET (25') OF ANY DITCH, STREAM, OR OTHER SURFACE WATER BODY.
 13. IF CONSTRUCTION IS SUSPENDED, OR SECTIONS COMPLETED, AREAS SHALL BE SEEDED AND/OR MULCHED IMMEDIATELY.
 14. GRADING DISTURBANCE IS LIMITED TO A MAXIMUM OF FIVE (5) ACRES. IF A GREATER DISTURBANCE IS REQUIRED, THE CONTRACTOR SHALL SUBMIT A GRADING DISTURBANCE PLAN TO THE ENGINEER FOR REVIEW AND APPROVAL. AT A MINIMUM, BI-WEEKLY INSPECTIONS BY THE ENGINEER SHALL BE REQUIRED IF THE FIVE (5) ACRE MINIMUM IS EXCEEDED.
 15. SEDIMENT SHALL BE REMOVED FROM TRAPS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE HALF THE BASIN DEPTH.
 16. COMPLY WITH THE APPLICABLE STIPULATIONS SET FORTH IN THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) PREPARED FOR THIS PROJECT BY L. SIPPERLY & ASSOCIATES, PLLC.



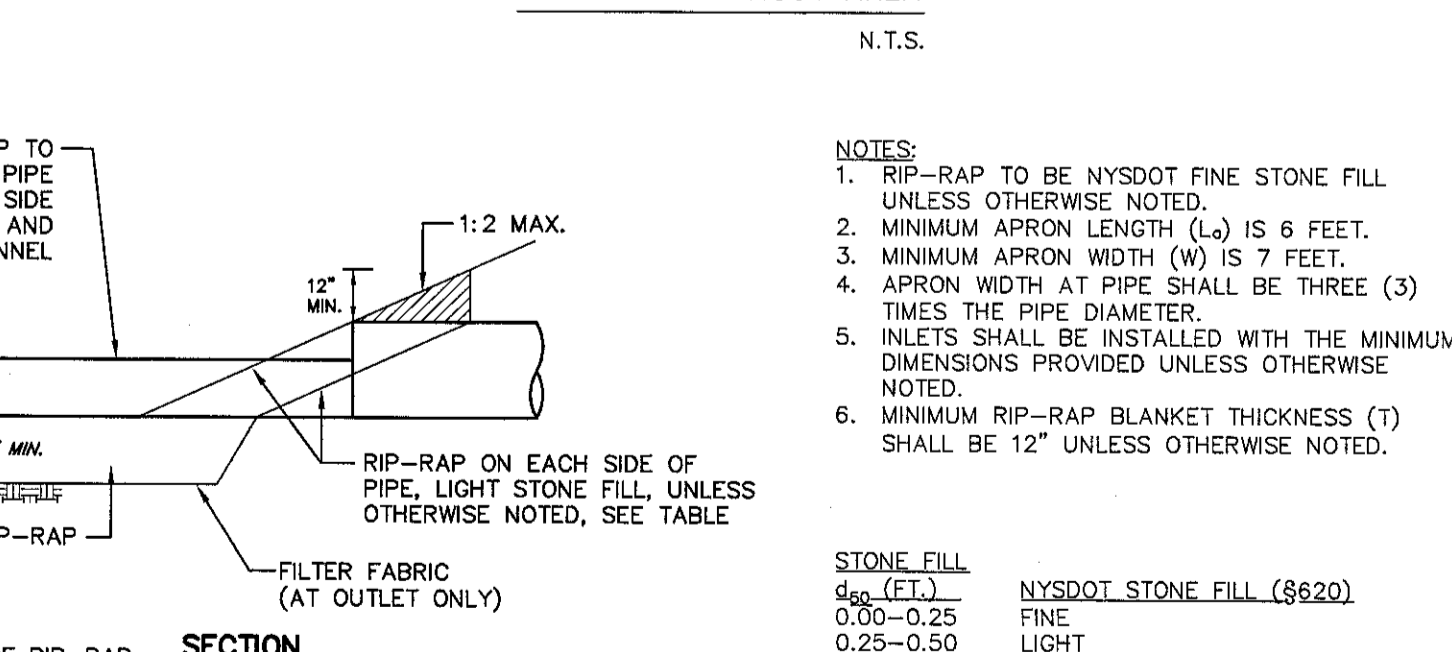
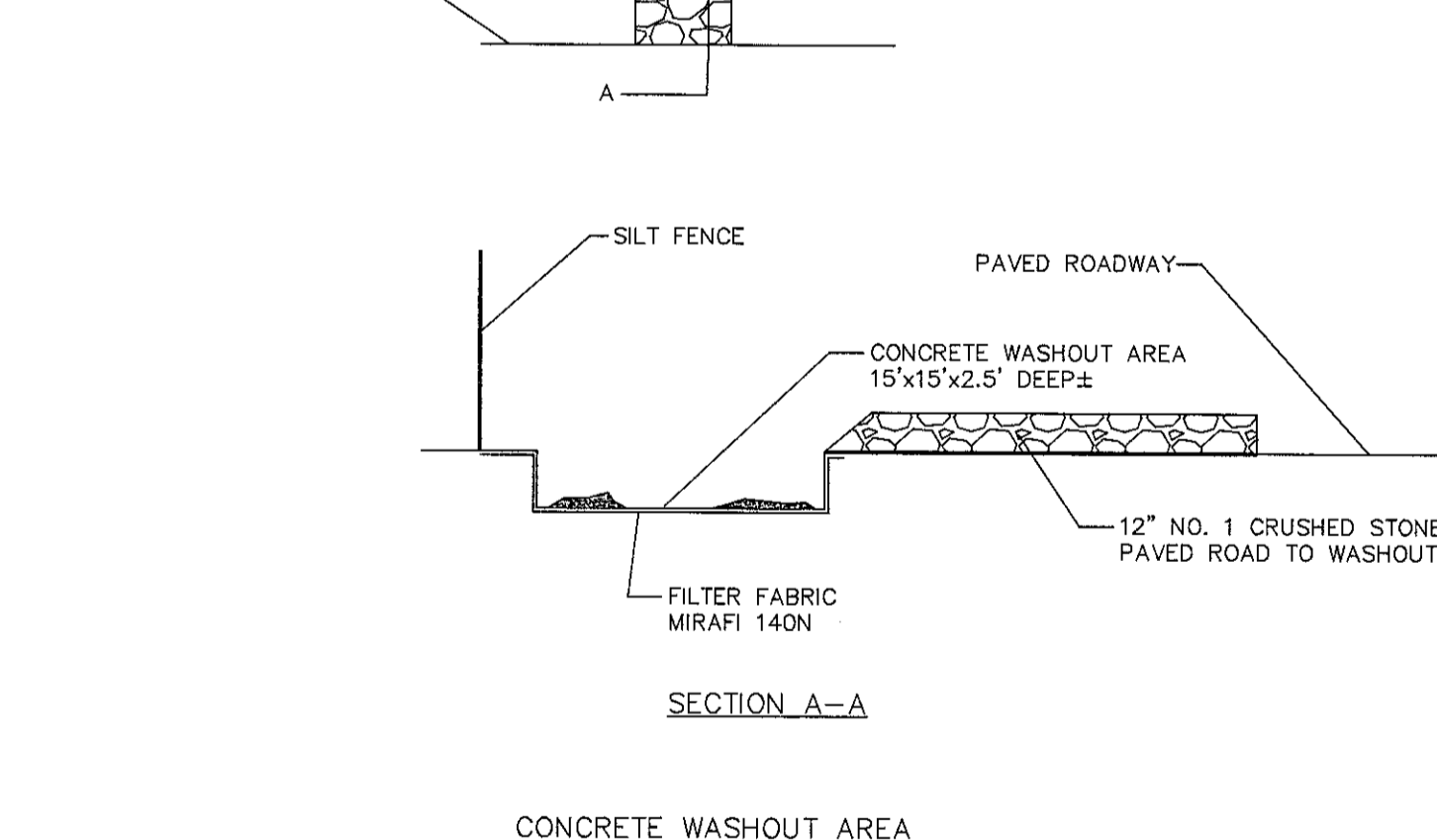
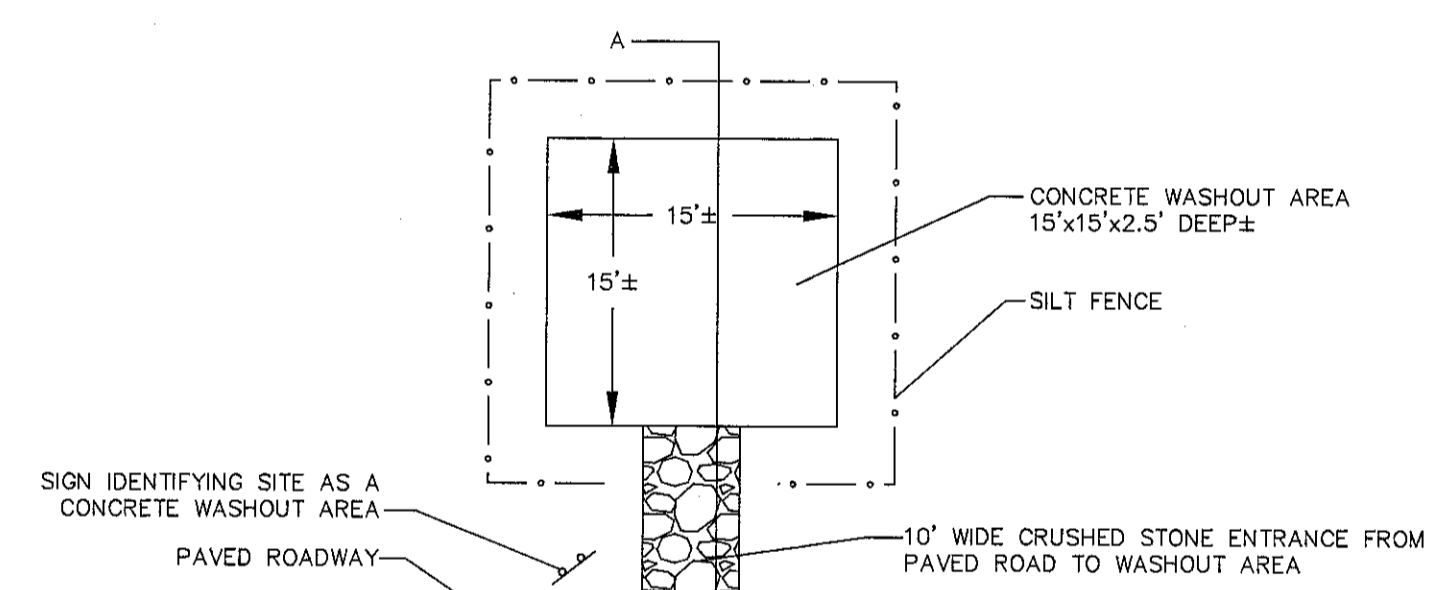
1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "1\"/>



1. STONE SIZE - USE 1-4 INCH STONE OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
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 6 INCHES.
4. WIDTH - 12 FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE A INGRESS OR EGRESS OCCURS. 24 FOOT IF SINGLE ENTRANCE TO SITE.
5. GEOTEXTILE - 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 BENEATH 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 TRACKED 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 DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAINFALL EVENT.



1. AREA CHOSEN FOR STOCKPIILING OPERATIONS SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 1: 2
3. SILT FENCE SHALL BE PLACED 5- FEET DOWNSLOPE OF EACH PILE. UPON COMPLETION OF SOIL STOCKPIILING, TOPSOIL SHALL BE STABILIZED WITH SEED AND MULCH IF NOT TO BE DISTURBED/UTILIZED WITHIN 14 DAYS.
4. SEE ADDITIONAL DETAILS FOR INSTALLATION OF SILT FENCE.
5. TEMPORARY PERMETER DIKES MAY BE REQUIRED TO DIRECT CLEAN RUNOFF FROM STOCKPILE AREAS. REFER TO EROSION AND SEDIMENT CONTROL PLAN.



STONE FILL

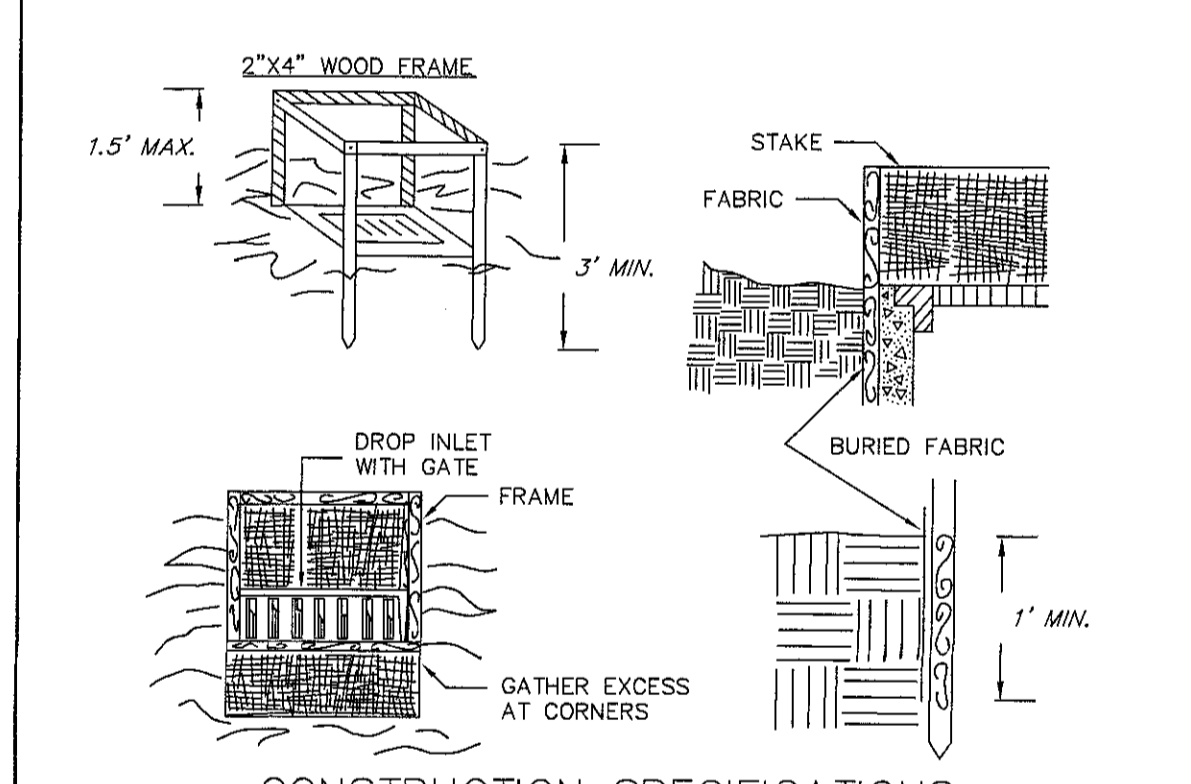
SIZE	PERCENT
0.075-0.150 (No. 20-60)	5
0.150-0.300 (No. 10-30)	10
0.300-0.600 (No. 5-10)	15
0.600-1.200 (No. 2.5-5)	20
1.200-2.000 (No. 1.5-10)	50

NYSDOT STONE FILL (#620)

SIZE	PERCENT
0.075-0.150 (No. 20-60)	5
0.150-0.300 (No. 10-30)	10
0.300-0.600 (No. 5-10)	15
0.600-1.200 (No. 2.5-5)	20
1.200-2.000 (No. 1.5-10)	50

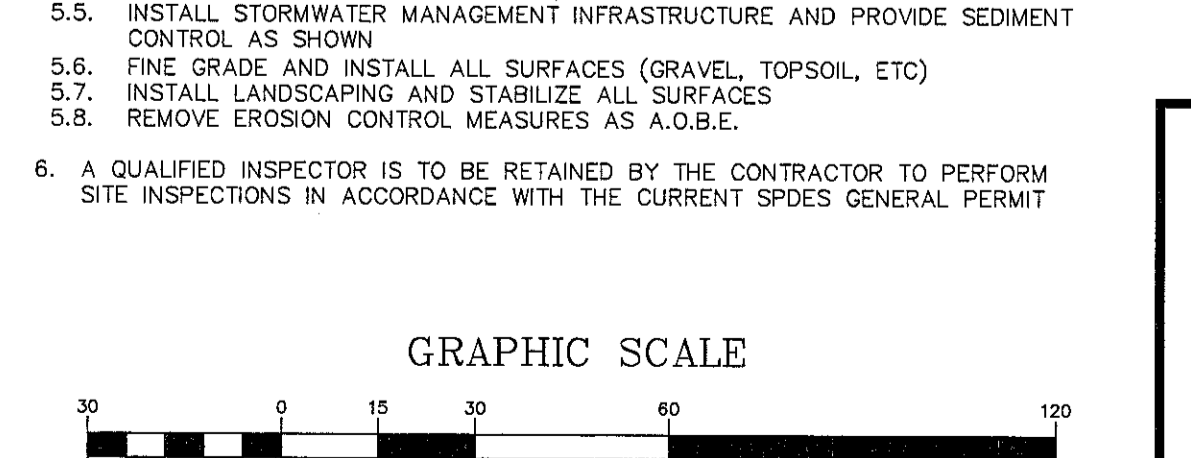
RIP RAP SIZING

NAME	DIA. (IN.)	INV. (FT.)	DEPTH (FT.)	SPACING (FT.)	W (FT.)	T (FT.)
42\"/>						



1. FILTER FABRIC SHALL HAVE AN EOG 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\"/>

- NOTES:**
1. ALL OTHER DISTURBANCES TO BE MAINTAINED UNDER FIVE (5) ACRES BY STABILIZING INACTIVE AREAS IMMEDIATELY. SEE ADDITIONAL NOTES ON SHEET C-000.
 2. SOIL STABILIZATION TO BE PROVIDED FOR INACTIVE PORTIONS OF THE SITE WITHIN FORTY-FIVE (45) CALENDAR DAYS.
 3. CONSTRUCTION SHALL COMMENCE BY INSTALLING THE COMMUNAL GRAVEL ACCESS ROAD PRIOR TO ANY DISTURBANCES WITHIN THE PROJECT PARCEL.
 4. THE ANTICIPATED CONSTRUCTION START DATE IS MARCH 1, 2016.
 5. SEQUENCING SCHEDULE IS AS FOLLOWS:
 - 5.1. STAKE OUT AND INSTALL ALL EROSION CONTROL MEASURES AS SHOWN, INCLUDING THE CONSTRUCTION ENTRANCE.
 - 5.2. STAKE OUT AND INSTALL ALL EROSION CONTROL MEASURES AS SHOWN.
 - 5.3. STRIP AND STOCKPILE TOPSOIL AND REMOVE ANY UNSUITABLE SOIL ENCOUNTERED.
 - 5.4. ROUGH GRADE, PER GRADING PLAN, TO SUB-GRADE.
 - 5.5. INSTALL STORMWATER MANAGEMENT INFRASTRUCTURE AND PROVIDE SEDIMENT CONTROLS AS SHOWN.
 - 5.6. FINE GRADE AND INSTALL ALL SURFACES (GRAVEL, TOPSOIL, ETC)
 - 5.7. INSTALL LANDSCAPING AND STABILIZE ALL SURFACES.
 - 5.8. REMOVE EROSION CONTROL MEASURES AS A.O.B.E.
 6. A QUALIFIED INSPECTOR IS TO BE RETAINED BY THE CONTRACTOR TO PERFORM SITE INSPECTIONS IN ACCORDANCE WITH THE CURRENT SPDES GENERAL PERMIT C-000.



APPLICANT:
J-W PROPERTIES, LLC
22 HAMILTON LANE
GLENMONT, NY 12077
CONTACT: CHRIS DISTEFANO

REV. NO.	DATE	REVISIONS	BY
C	07-22-2014	RESPONSE TO TOWN OF BETHLEHEM COMMENTS	AJV
B	05-10-2014	RESPONSE TO TOWN OF BETHLEHEM COMMENTS	AJV
A	02-08-2014	FIRST SUBMISSION TO TOWN OF BETHLEHEM	AJV

L. SIPPERLY & ASSOCIATES, PLLC
ENGINEERS * SURVEYORS * LAND PLANNERS
696 TRYON STREET/STADY ROAD
LATHAM, NEW YORK 12110
PHONE: (518) 782-1900 FAX: (518) 782-1252

DESIGNED BY: DAN
DRAWN BY: DAN
CHECKED BY: AJV
APPROVED BY: AJV
SCALE: 1" = 30'
DATE: 02-08-2016

SITE PLAN FOR
J-W PROPERTIES, LLC
CONTRACTOR'S YARD AT 24 HANNAY LANE, GLENMONT, NY
EROSION AND SEDIMENT CONTROL
24 HANNAY LANE
TOWN OF ALBANY

TOWN OF BETHLEHEM
STATE OF NEW YORK
REV. NO. C
DWG. NO. D-16024
SHEET NUMBER
C-131
3 OF 5

P. VORIS\150307\CAD\150307-001 SHEETS\150307-0-130 EROSION.DWG 7/25/2016 2:25:45 PM