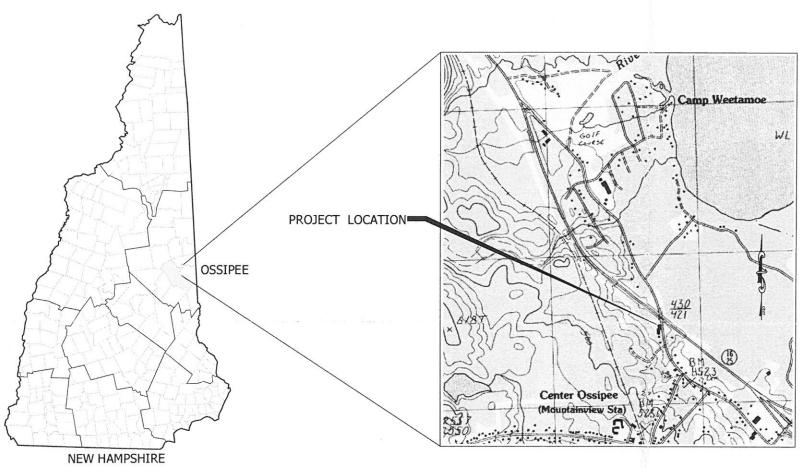
CALDERWOOD REAL ESTATE CORP SITE PLAN

NH ROUTE 16B, OSSIPEE, NEW HAMPSHIRE

APRIL 2024



OWNER

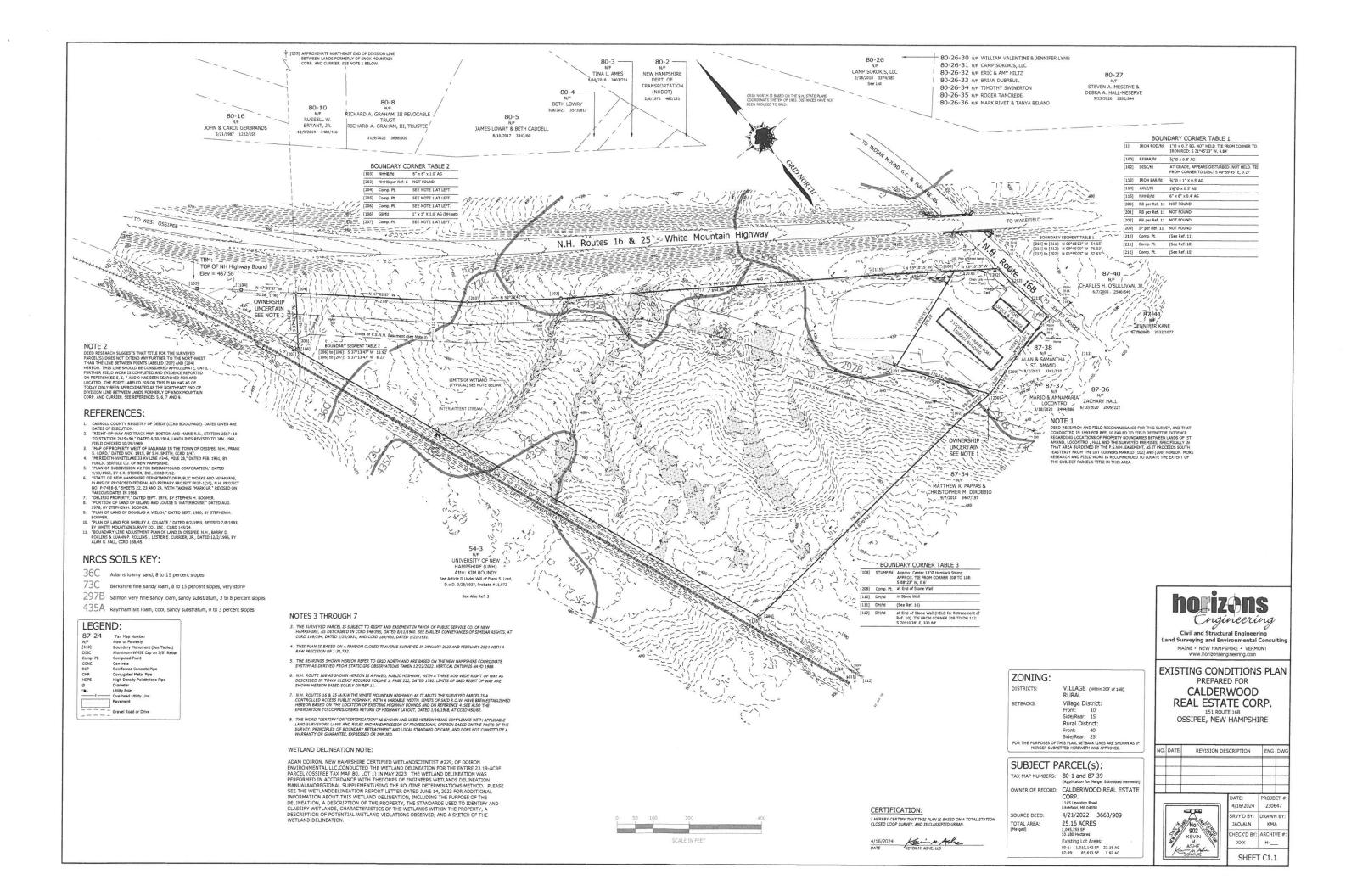
CALDERWOOD REAL ESTATE CORP 1145 LEWISTON RD LITCHFIELD, ME 04350

ENGINEER - SURVEYOR

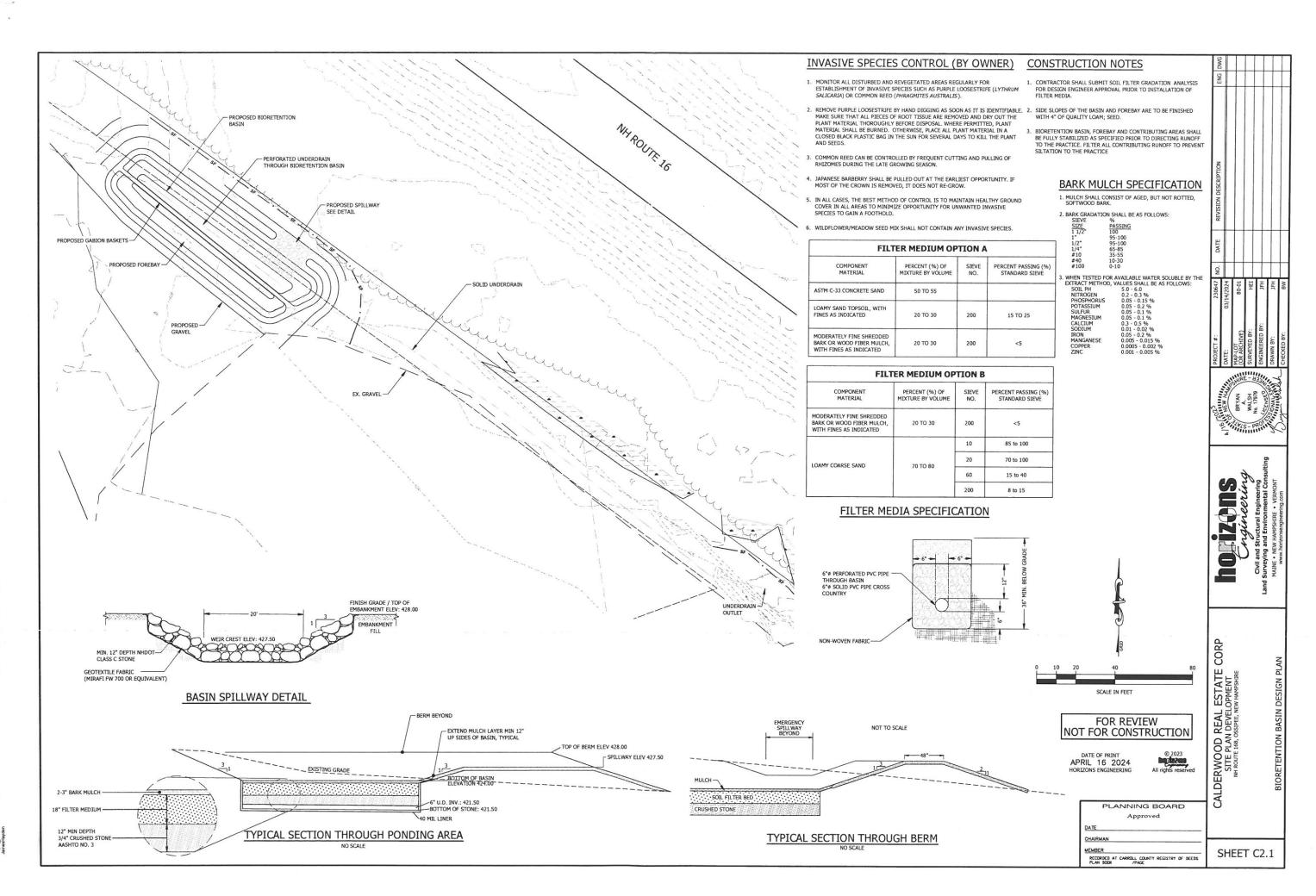
horizons Engineering

34 SCHOOL STREET LITTLETON, NH 03561 (603) 444-4111

SCALE: 1" = 1000'

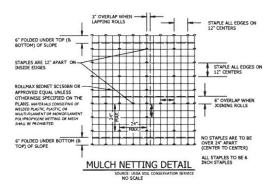


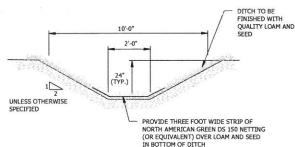
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EROSION CONTROL GENERAL NOTES

A. KEEP SITE MODIFICATION TO A MINIMUM

- CONSIDER FITTING THE BUILDINGS AND STREETS TO THE NATURAL TOPOGRAPHY. THIS REDUCES THE NEED FOR CUTS AND FILLS. AVOID EXTENSIVE GRADING THAT WOULD ALTER DRAINAGE PATTERNS OR CREATE VERY STEEP SLOPES
- 2. SAVE AND PROTECT DESIRABLE EXISTING VEGETATION WHERE POSSIBLE. ERECT BARRIERS TO PREVENT DAMAGE FROM
- 3. LIMIT THE GRADES OF SLOPES SO VEGETATION CAN BE EASILY ESTABLISHED AND MAINTAINED.

- B. MINIMIZE POLLUTION OF WATER DURING CONSTRUCTION ACTIVITIES
 STOCKPILE TOPSOIL REMOVED FROM CONSTRUCTION AREA AND SPREAD OVER ANY DISTURBED AREAS PRIOR TO REVEGETATION. TOPSOIL STOCKPILES SHALL BE PROTECTED FROM EROSION AT ALL TIMES WITH SUITABLE PERIMETER
- 2. PROTECT BARE SOIL AREAS EXPOSED BY GRADING ACTIVITIES WITH TEMPORARY VEGETATION OR MULCHES. ALL SLOPES
- 3. USE SEDIMENT BASINS TO TRAP DEBRIS AND SEDIMENT WHICH WILL PREVENT THESE MATERIALS FROM MOVING OFF SITE.
- 4. USE DIVERSIONS TO DIRECT WATER AROUND THE CONSTRUCTION AREA AND AWAY FROM PROSION PROME AREAS TO POINTS
- 5. USE TEMPORARY CULVERTS OR BRIDGES WHEN CROSSING STREAMS WITH EQUIPMENT.
- 6. PLACE CONSTRUCTION FACILITIES, MATERIALS, AND EQUIPMENT STORAGE AND MAINTENANCE AREAS AWAY FROM DRAINAGE

- C. PROTECT AREA AFTER CONSTRUCTION.

 1. ESTABLISH GRASS OR OTHER SUITABLE VEGETATION ON ALL DISTURBED AREAS. SELECT SPECIES ADAPTED TO THE SITE CONDITIONS AND THE FUTURE USE OF THE AREA. FINAL GRADES SHALL BE SEEDED WITHIN 72 HOURS. STABILIZATION SHALL BE DEFINED AS 85% VEGETATIVE COVER, SEE NH STORMWATER MANUAL FOR MORE INFORMATION.
- MAINTAIN VEGETATED AREAS USING PROPER VEGETATIVE 'BEST MANAGEMENT PRACTICES' DURING THE CONSTRUCTION PERIOD. SEE NH STORMWATER MANUAL FOR MORE INFORMATION.
- 3. MAINTAIN NEEDED STRUCTURAL 'BEST MANAGEMENT PRACTICES' AND REMOVE SEDIMENT FROM DETENTION PONDS AND SEDIMENT BASINS AS NEEDED. SEE NH STORMWATER MANUAL FOR MORE INFORMATION.
- 4. DETERMINE RESPONSIBILITY FOR LONG TERM MAINTENANCE OF PERMANENT 'BEST MANAGEMENT PRACTICES', IS THE OWNER AND MAINTENANCE MANAGER FOR SOUTH PEAK DEVELOPMENT. SEE NH STORMWATER MANUAL FOR MORE INFORMATION.
- 5. IF CONSTRUCTION IS ANTICIPATED DURING WINTER MONTHS, REFER TO 'COLD WEATHER SITE STABILIZATION REQUIREMENTS'

D. INVASIVE SPECIES AND FLIGHTIVE DUST

RECOMMENDATIONS.

- INASIVE SPECIES AND FUGITIVE DUST
 THE PROJECT SHALL NOT CONTRIBUTE TO THE SPREAD OF INVASIVE SPECIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR
 SHALL EVALUATE WORK AREAS FOR THE PRESENCE OF INVASIVE SPECIES, AND IF FOUND SHALL TAKE NECESSARY MEASURES TO
 PREVENT THEIR SPREAD IN ACCORDANCE WITH RSA 430:51-57 AND AGR 3800. THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO PREVENT THE INTRODUCTION OF INVASIVE SPECIES BY INSPECTING AND CLEANING ALL EQUIPMENT ARRIVING
- 2. FUGITIVE DUST SHALL BE CONTROLLED IN ACCORDANCE WITH ENV-A 1000.

COLD WEATHER SITE STABILIZATION REQUIREMENTS

TO ADEQUATELY PROTECT WATER QUALITY DURING COLD WEATHER AND DURING SPRING RUNOFF, THE FOLLOWING ADDITIONAL STABILIZATION TECHNIQUES SHALL BE EMPLOYED DURING THE PERIOD FROM OCTOBER 15 THROUGH MAY 1:

- 1. THE AREA OF EXPOSED, UNSTABILIZED SOIL SHALL BE LIMITED TO 1 ACRE AND SHALL BE PROTECTED AGAINST EROSION BY THE METHODS DESCRIBED IN THIS SECTION PRIOR TO ANY THAW OR SPRING MELT EVENT.
- 2. ALL PROPOSED VEGETATED AREAS HAVING A SLOPE OF LESS THAN 15% WHICH EXHIBIT LESS THAN 85% VEGETATIVE GROWTH ON OCTOBER 15, OR WHICH ARE DISTURBED AFTER OCTOBER 15. SHALL BE SEEDED AND COVERED WITH 3 TO 4 TONS OF HAY OR STRAW MUI CHIPER ACRE. SECURED WITH ANCHORED NETTING OR TACKIFIER, OR 2 INCHES OF EROSION CONTROL MIX MEETING THE CRITERIA OF ENV-WQ 1506.05(D) THROUGH (H).
- 3. ALL PROPOSED VEGETATED AREAS HAVING A SLOPE OF GREATER THAN 15% WHICH EXHIBIT LESS THAN 85% VEGETATIVE GROWTH ON OCTOBER 15. OF WHICH ARE DISTURBED AFTER OCTOBER 15, SHALL BE SEEDED AND COVERED WITH PROPERLY INSTALLED AND ANCHORED EROSION CONTROL MATTING OR WITH A MINIMUM 4 INCH THICKNESS OF EROSION CONTROL MIX MEETING THE CRITERIA OF ENV-WQ 1506.05(D) THROUGH (H).
- 4. INSTALLATION OF ANCHORED HAY MULCH OR FROSION CONTROL MIX. MEETING THE CRITERIA OF ENV-WQ 1506.05(D) THROUGH (H), SHALL NOT OCCUR ON SNOW COVER GREATER THAN 1 INCH IN DEPTH.
- 5. INSTALLATION OF EROSION CONTROL MATTING SHALL NOT OCCUR ON SNOW COVER GREATER THAN ONE INCH IN DEPTH, OR ON FROZEN GROUND
- ALL PROPOSED STABILIZATION IN ACCORDANCE WITH NOTES 2 OR 3 ABOVE, SHALL BE COMPLETED WITHIN 1 DAY OF ESTABLISHING FINAL GRADE OR THAT OTHERWISE WILL EXIST FOR MORE THAN 5 CONSECUTIVE DAYS.
- 7. ALL DITCHES OR SWALES WHICH EXHIBIT LESS THAN 85% VEGETATIVE GROWTH ON OCTOBER 15, OR WHICH ARE DISTURBED AFTER OCTOBER 15, SHALL BE STABILIZED TEMPORARILY WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS, AS DETERMINED BY THE MANUFACTURER AND APPROVED BY ENGINEER OF RECORD.
- 8. AFTER OCTOBER 15. INCOMPLETE ROAD OR PARKING AREAS WHERE ACTIVE CONSTRUCTION OF THE ROAD OR PARKING AREA HAS STOPPED FOR THE WINTER SEASON SHALL BE PROTECTED WITH A MINIMUM 3 INCH LAYER OF GRAVELS MEETING THE GRADATION REQUIREMENTS OF NHOOT STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION, 2016, ITEM NO. 304.3.

CONSTRUCTION SEQUENCE

- 1. PREPARE AN EROSION CONTROL PLAN OR A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS.
- 2. INSTALL CONSTRUCTION EXIT, SEE DETAIL
- 3. CUT AND CLEAR TREES WITHIN THE CLEARING LIMITS.
- INSTALL SEDIMENT FENCES, ROCK CHECK DAMS, AND OTHER BMP'S AT LOCATIONS SHOWN ON THE PLANS AND AS FIELD CONDITIONS DICTATE.
- 5. GRUB SITE WITHIN GRADING LIMITS.
- 6. STRIP AND STOCKPILE TOPSOIL AND INSTALL EROSION CONTROL MEASURES.
- 7. INSTALL/ADJUST SEDIMENT FENCE, CHECK DAMS, AND HAYBALES, AS
- CONSTRUCT PERMANENT STORMWATER CONTROLS PRIOR TO EARTH MOVING ACTIVITIES. DO NOT DIRECT STORMWATER TOWARD TREATMENT BASINS, PONDS, SWALLES, DITCHES AND LEVEL SPREADERS UNTIL THEY HAVE BEEN STABILIZED.
- PROCEED WITH WORK, LIMITING THE DURATION OF DISTURBANCE. UNLESS OTHERWISE SPECIFIED. THE MAXIMUM OF UNCOVERED DISTURBED FARTH AT ANY ONE TIME IS FIVE ACRES. THE MAXIMUM LENGTH OF TIME THAT DISTURBED EARTH MAY BE LEFT UNSTABILIZED IS 45 DAYS
- 10. BEGIN SEEDING AND MULCHING IMMEDIATELY AFTER GRADING. ALL DISTURBED AREAS SHALL BE STABILIZED WITH APPROVED METHODS WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE

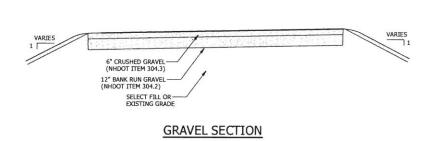
AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS

- X.LURRED:

 A) BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED;

 B) A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED;

 C) A MINIMUM OF 3" OF NON-EROSIVE MATERIAL SUCH AS STONE OR
- RIPRAP HAS BEEN INSTALLED; OR D) EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.
- 11. INSPECT ALL EROSION CONTROL MEASURES ON A DATILY BASIS AND AFTER EVERY 0.25 INCHES OF PRECIPITATION. MAINTAIN SEDIMENT FENCE, SEDIMENT TRAPS, HAY BALES, ETC., AS NECESSARY.
- 12 PAVE ROADWAYS AND/OR PARKING AREAS
- 13. PLACE TOPSOIL, SEED AND MULCH.
- 14. COMPLETE ALL REMAINING PERMANENT EROSION CONTROL STRUCTURES.
- MONITOR THE SITE AND MAINTAIN STRUCTURES AS NEEDED UNTIL FULL VEGETATION IS ESTABLISHED.



NOT TO SCALE

CORP REAL I DEVEL LDERWOOD I S

PLANNING BOARD Approved CHAIRMAN RECORDED AT CARROLL COUNTY REGISTRY OF DEEDS

DATE

SHEET C4.1

36" MIN. FENCE POSTS, DRIVEN MIN. 16" INTO GROUND CONSTRUCTION NOTES FOR SEDIMENT FENCE WOVEN WIRE FENCE, IF REQUIRED,
 TO BE FASTENED SECURELY TO FENCE
 POSTS WITH WIRE TIES OR STAPLES. (14-1/2 GA. MIN., MAX. 6" MESH SPACING) WITH FILTER CLOTH OVE 2. FILTER CLOTH TO BE EASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP, MID SECTION, AND BOTTOM WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 6 INCHES, FOLDED AND STAPLED. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SEDIMENT FENCE, OR 50% OF CAPACITY IS USED. 5. 12" DIAMETER FILTREXX SILTSOXX

SILT FENCE

UNDISTURBED GROUND -12 DIAMETER PLITERED SILTSONA
SHALL BE CONSIDERED AN ACCEPTABLE EQUIVALENT
TO SEDIMENT FENCE IN AREAS OF 3:1 SLOPE OR LESS
IF INSTALLED PER MANUFACTURER'S EMBED FILTER CLOTH MIN. 8" INTO GROUND

