

EPSC NOTES

EROSION PREVENTION AND SEDIMENT CONTROL

1.1 PROJECT DESCRIPTION

THE MAIN GOAL OF THE PROJECT IS TO INSTALL SIDEWALK ALONG WEST SIDE ROUTE 116 FROM THE HINESBURG TOWN HALL TO THE SAPUTO CHEESE FACTORY. BEGINNING JUST NORTH OF THE INTERSECTION OF CHARLOTTE ROAD AND ROUTE 116 PROCEEDING 700 FEET NORTH ALONG ROUTE 116 AND ENDING AT THE SAPUTO CHEESE FACTORY. WORK TO BE PERFORMED UNDER THIS CONTRACT INCLUDES GRANITE CURBS, CONCRETE SIDEWALK, EROSION CONTROL MEASURES, LANDSCAPING, AND RELATED WORK. THE APPROXIMATE AREA OF DISTURBANCE IS 0.5 ACRES.

1.2 SITE INVENTORY

1.2.1 DRAINAGE CHARACTERISTICS

THE VILLAGE OF HINESBURG, ALONG ROUTE 116, DRAINS VIA STORM SEWERS INTO UNNAMED TRIBUTARIES OF THE LAPLATT RIVER. THE PROJECT WILL INCLUDE THE INSTALLATION OF A PROPOSED CATCH BASIN THAT WILL ALSO DIRECT STORM WATER INTO AN UNNAMED TRIBUTARY OF THE LAPLATT RIVER. A 450 S.F. BIORETENTION TREATMENT AREA IS PROPOSED TO TREAT STORMWATER RUNOFF FROM ROUTE 116 PRIOR TO ENTERING THE TRIBUTARY AND FLOWING APPROXIMATELY 1,200 FEET TO THE LAPLATT RIVER.

1.2.2 DRAINAGE, WATERWAYS, BODIES OF WATER

DRAINAGE FLOWS TOWARDS EXISTING CATCH BASINS LOCATED ON THE EAST SIDE ON ROUTE 116. THESE CATCH BASINS EVENTUALLY DISCHARGE INTO THE LAPLATT RIVER.

1.2.3 TOPOGRAPHY, EXISTING ROADS, BUILDINGS, UTILITIES

OVERHEAD UTILITIES EXIST ALONG ROUTE 116 THE LENGTH OF THE PROJECT. SEVERAL UTILITY POLES WILL BE RELOCATED AS PART OF THIS PROJECT. ONE CATCH BASIN IS PROPOSED NORTH OF THE CHURCH. THE EXISTING CATCH BASINS WILL REMAIN IN USE. SEWER AND WATER ARE LOCATED ALONG ROUTE 116, THE FULL LENGTH OF THE PROJECT. ROUTE 116 SLOPES NORTH AT A GRADUAL 2.0%.

1.2.4 VEGETATION

THE MAIN DISTURBANCE ASSOCIATED WITH THIS PROJECT IS TO INSTALL CONCRETE SIDEWALK AND GRANITE CURBING ALONG THE WEST SIDE OF ROUTE 116. DISTURBED AREAS ARE TO BE REPLACED WITH GRASS, CONCRETE SIDE WALK OR BITUMINOUS ASPHALT. EXISTING TREES AND SHRUBS ARE TO BE PROTECTED WHEREVER FEASIBLE. AN EXTENSIVE LANDSCAPING PLAN IS PROPOSED FOR THE FRONT OF THE TOWN HALL.

1.2.5 SOILS

THE EXISTING SOILS IN THE PROJECT AREA ARE MUNSON-RYNHAM LOAM. THESE SOILS HAVE A KW VALUE OF AROUND 0.49.

1.2.6 SENSITIVE RESOURCE AREAS

THERE ARE NO KNOWN WETLANDS OR ARCHAEOLOGICALLY SENSITIVE AREAS WITHIN THE PROJECT BOUNDARIES.

1.2.7 PROXIMITY TO NATURAL OR MAN-MADE WATER FEATURES

THERE ARE NO OPEN WATER BODIES WITHIN THE PROJECT LIMITS.

1.3 TEMPORARY EROSION PREVENTION AND SEDIMENT CONTROL

1.3.1 DESCRIPTION OF ALL TEMPORARY EROSION AND SEDIMENT CONTROL FEATURES

THE ONLY SEDIMENT CONTROL FEATURES THAT ARE APPLICABLE TO THIS PROJECT ARE THE INSTALLATION OF GEOTEXTILE FABRIC IN THE PROPOSED CATCH BASIN, SILT FENCE INSTALLATION AND TEMPORARY STONE CHECK DAMS. AN ON SITE COORDINATOR SHALL INSPECT AND REPORT AT LEAST ONCE A WEEK AND AFTER EVERY MAJOR RAIN EVENT THE EFFECTIVENESS AND INTEGRITY OF THE EROSION CONTROL DEVICES. THE ON SITE COORDINATOR MUST MAKE SURE THAT THESE DEVICES ARE MAINTAINED AT ALL TIMES.

1.3.2 DESIGN CALCULATIONS FOR TEMPORARY STRUCTURAL CONTROLS

NO CALCULATIONS ARE NECESSARY FOR THE USE OF THE FEATURES PROVIDED.

1.4 FINAL EROSION CONTROL MEASURES

1.4.1 PERMANENT EROSION CONTROL MEASURES

ALL AREAS DISTURBED BY THE CONSTRUCTION OF THIS PROJECT ARE TO BE VEGETATED WITH GRASS, CONCRETE SIDEWALK OR BITUMINOUS ASPHALT.

EROSION CONTROL NOTES

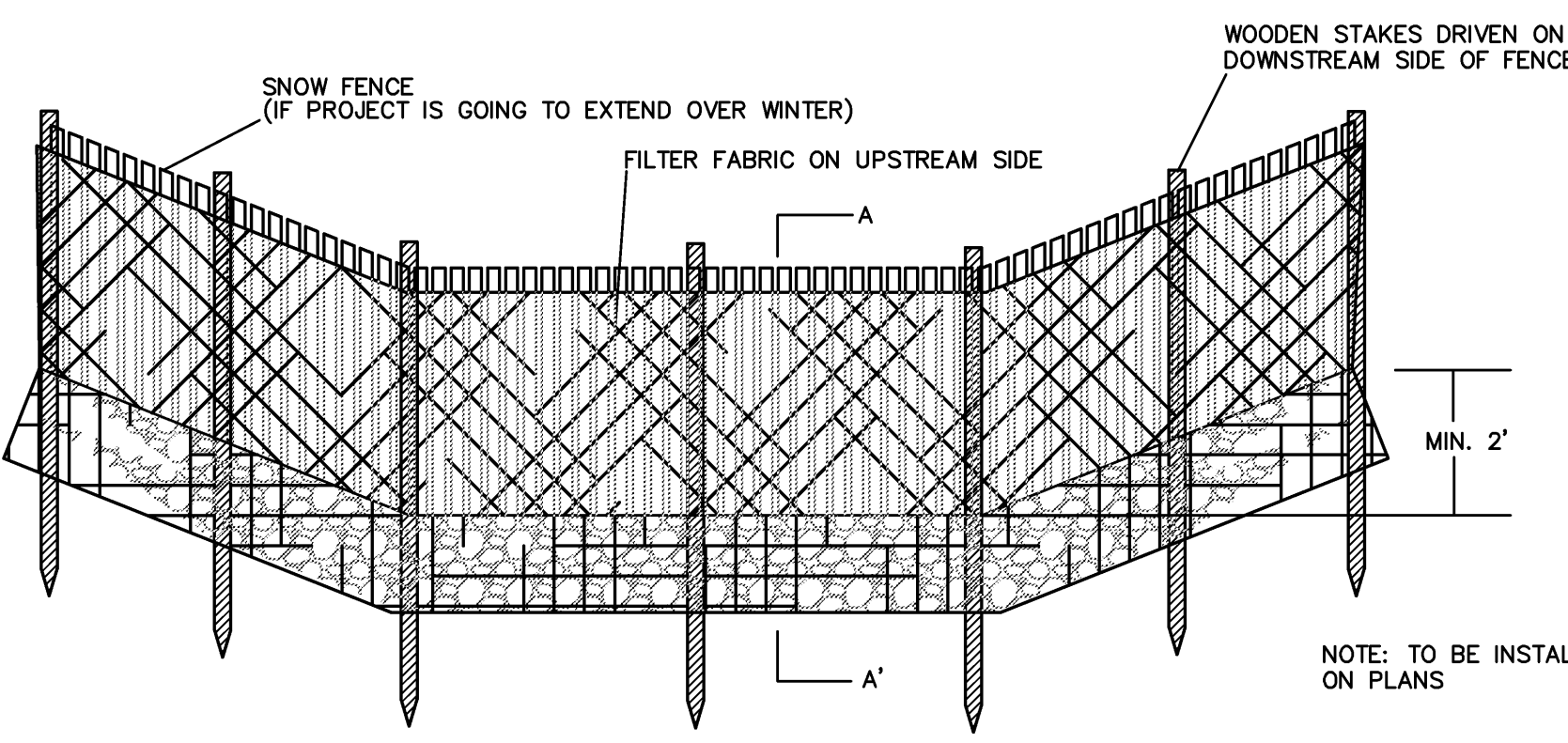
- 1) PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL PREPARE TEMPORARY EROSION CONTROL PLANS FOR EACH PHASE OF CONSTRUCTION AND SUBMIT TO THE TOWN FOR APPROVAL. AN ON-SITE COORDINATOR SHALL BE APPOINTED PRIOR TO THE BEGINNING OF CONSTRUCTION.
- 2) EROSION AND SEDIMENT CONTROL MEASURES SHOULD BE CONSTRUCTED PRIOR TO BEGINNING ANY OTHER LAND DISTURBANCES. THE DEVICES SHOULD NOT BE REMOVED UNTIL THE DISTURBED LAND AREAS ARE STABILIZED.
- 3) ALL DISTURBED AREA NOT OTHERWISE SPECIFIED WILL BE TOPSOILED, FERTILIZED, LIMED, SEEDED, AND MULCHED IN ACCORDANCE WITH THE MOST RECENT VERMONT AGENCY OF TRANSPORTATION SPECIFICATIONS SECTIONS 651.01 - 651.07. RESTORATION OF DISTURBED AREAS SHALL FOLLOW THE PROGRESS OF THE SIDEWALK.
- 4) STABILIZE ALL SLOPES AND CONTROL EXCESS SURFACE RUNOFF.
- 5) RETAIN AND PROTECT TREES, SHRUBS, AND OTHER NATURAL PLANTS WHEREVER POSSIBLE.
- 6) THE EROSION AND SEDIMENT CONTROL PLAN HAS BEEN DESIGNED IN ACCORDANCE WITH THE VERMONT HANDBOOK FOR EROSION PREVENTION AND SEDIMENT CONTROL (2003).
- 7) PARTICULAR CARE SHOULD BE TAKEN IN WORK ADJACENT TO OR IN THE RIVERS, PONDS, OR WETLANDS. THE CONTRACTOR SHALL MAINTAIN WATER QUALITY STANDARDS AND COORDINATE EROSION CONTROL PROCEDURES WITH THE ENGINEER AND APPROPRIATE AGENCIES.
- 8) AREAS THAT ARE TEMPORARILY DISTURBED SHALL BE CONSTRUCTED TO FINAL CONDITIONS (SEEDED, MULCH, PAVED) WITHIN ONE WEEK OF DISTURBANCE.
- 9) AREAS SHALL BE SEEDED/MULCHED WITHIN 48 HOURS OF BEING CONSTRUCTED TO FINAL GRADE.
- 10) CONTRACTOR SHALL NOT TRACK SOIL OFFSITE.

RECORD DRAWINGS

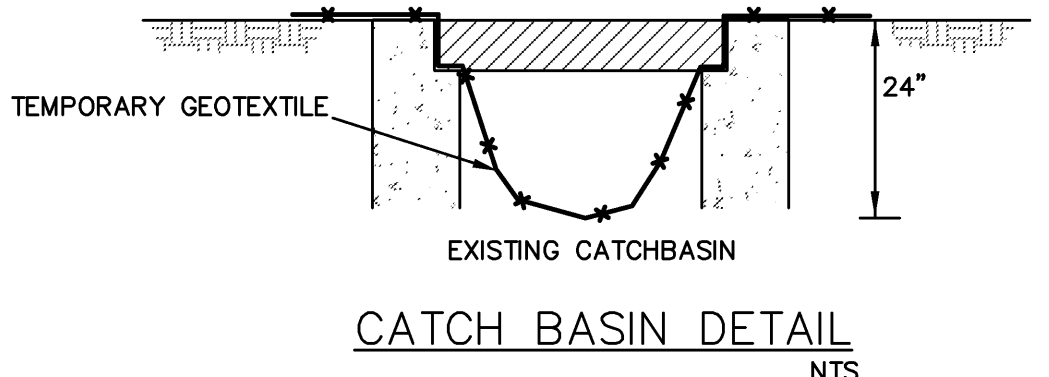
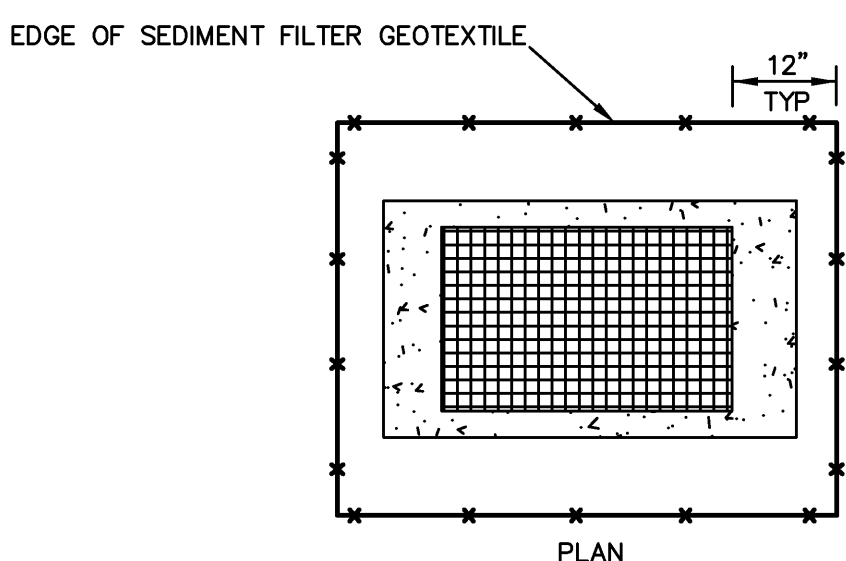
DISCLAIMER: THESE RECORD DRAWINGS WERE PREPARED FROM DATA PROVIDED BY THE CONTRACTOR AND/OR OWNERS REPRESENTATIVE AND FROM SITE INSPECTIONS CONDUCTED BY ESPC FOLLOWING CONSTRUCTION. THE ENGINEER ASSUMES NO RESPONSIBILITY REGARDING THE ACCURACY OF THE INFORMATION PROVIDED ON THE PLANS OR THE LOCATIONS OF NEW CONSTRUCTION FEATURES DEPICTED ON THE PLANS.

LEGEND

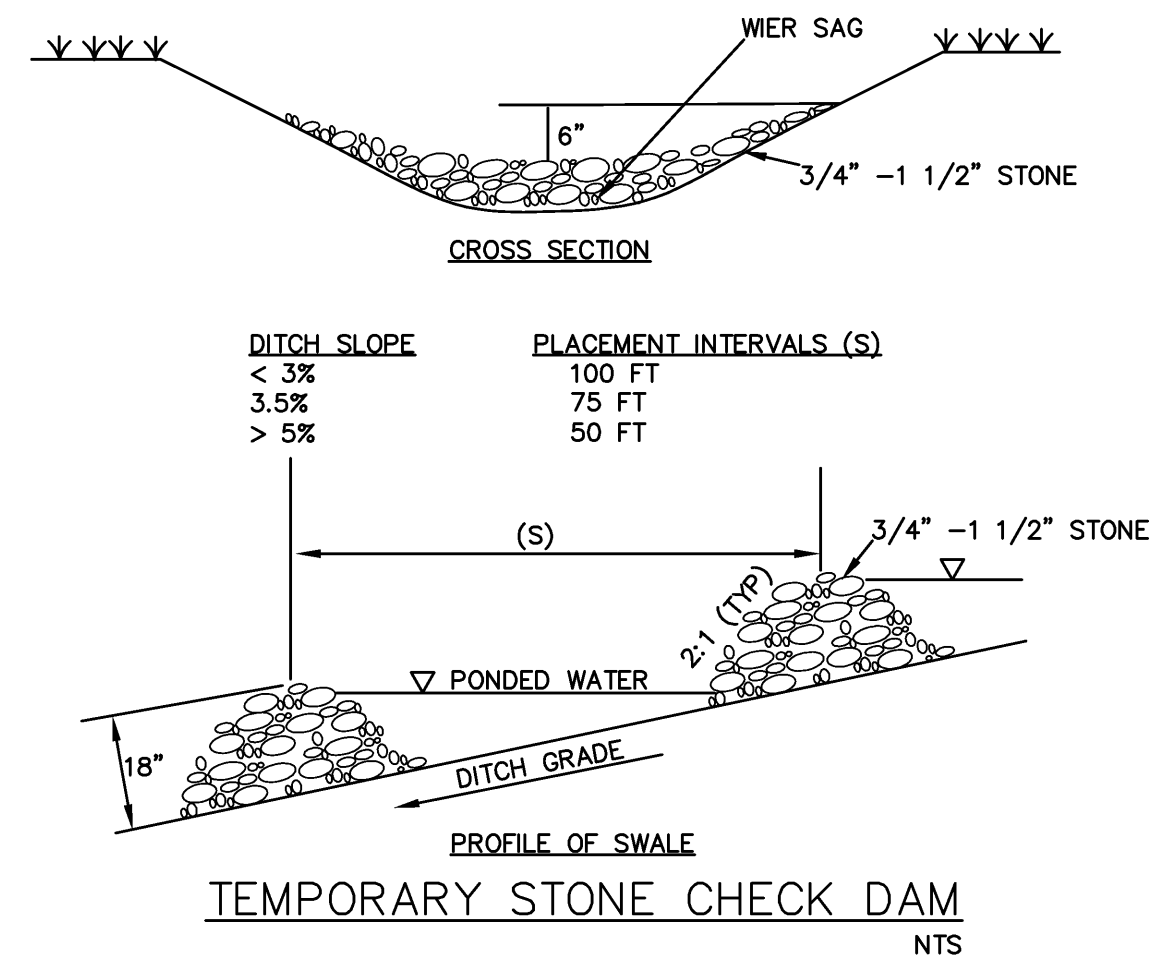
	EXISTING	PROPOSED
BUFFER	---	---
BUILDING	▭	▭
CATCH BASIN	▭	▭
CENTERLINE	---	---
CONTOUR	---	---
CURB	---	---
GRAVEL	---	---
PAVEMENT	---	---
PROPERTY LINE	---	---
RIGHT OF WAY	---	---
SIDEWALK	---	---
TREE LINE	---	---
CONSTRUCTION LIMIT	---	---
SILT FENCE	---	---



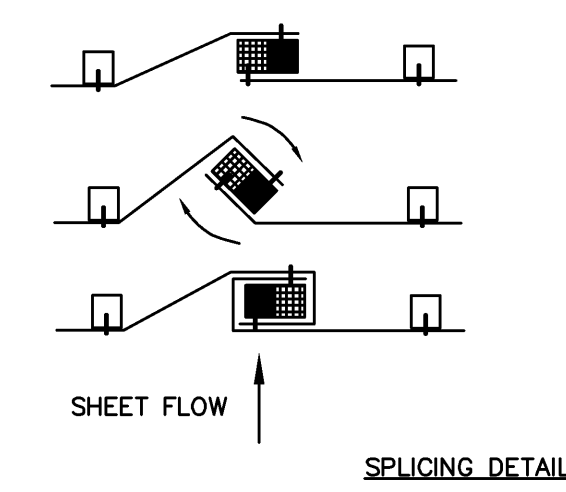
TYPICAL TEMPORARY SILT FENCE EROSION BARRIER NTS



CATCH BASIN DETAIL NTS



TEMPORARY STONE CHECK DAM NTS



1. PLACE THE END POST OF ONE FENCE INSIDE THE END POST OF THE OTHER FENCE.
2. ROTATE BOTH POSTS AT LEAST 180 DEGREES IN A CLOCKWISE DIRECTION TO CREATE A TIGHT SEAL WITH THE FABRIC MATERIAL.
3. DRIVE BOTH POSTS 18 INCHES INTO THE GROUND AND BURY THE FLAP IN THE TRENCH.

SPlicing DETAIL

**EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) PLANS
FINAL PLANS FOR CONSTRUCTION**

REVISIONS	BY
1. ADDED TRAFFIC CONTROL & SIGNAGE	MM-01-16-07

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HINESBURG STP EH05(22)
 VILLAGE STREETSCAPE IMPROVEMENTS
 ROUTE 116
 HINESBURG, VERMONT

DRAWN	LM
CHECKED	ES
DATE	05/01/06
SCALE	1"=30'
JOB NO.	200051114
SHEET	

EP-1