

GENERAL CONSTRUCTION NOTES

- 1) CONTRACTOR SHALL CONTACT DIG SAFE AND HINESBURG WATER DEPARTMENT AT LEAST 72 HOURS PRIOR TO ANY SUBGRADE CONSTRUCTION.
- 2) WHERE DISCREPANCIES EXIST BETWEEN BUILDING CODES, STATE LAWS, LOCAL ORDINANCES, UTILITY COMPANY REGULATIONS, MANUFACTURER RECOMMENDATIONS, AND THESE PLANS, THE MOST STRINGENT SHALL APPLY.
- 3) LOCATIONS OF UNDERGROUND UTILITIES ARE NOT BASED ON "DIG SAFE MARKINGS AND ARE NOT WARRANTED TO BE EXACT OR COMPLETE. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS OF EXISTING UTILITIES AND SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ANY UTILITY, PUBLIC OR PRIVATE.
- 4) THE CONTRACTOR SHALL MAINTAIN AS-BUILT PLANS WITH TIES AND ELEVATIONS FOR ALL UNDERGROUND UTILITIES. AS-BUILT PLANS SHALL BE SUBMITTED TO THE TOWN OF HINESBURG AT THE COMPLETION OF THE PROJECT.
- 5) THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK NECESSARY FOR COMPLETE AND OPERABLE FACILITIES AND UTILITIES.
- 6) THE CONSTRUCTION OF THE SIDEWALK MAY REQUIRE THE REMOVAL AND RESETTling OF EXISTING PROPERTY AND RIGHT-OF-WAY MONUMENTS. THE CONTRACTOR SHALL NOT DISTURB THE AREAS ADJACENT TO ANY MONUMENT UNTIL THE OWNER'S VERMONT LICENSED SURVEYOR HAS DOCUMENTED THE LOCATION OF THE MONUMENT. THE OWNER'S SURVEYOR WILL REMOVE THE MONUMENT AND REPLACE THE MONUMENT AFTER THE SIDEWALK HAS BEEN CONSTRUCTED TO CRUSHED GRAVEL GRADE. THE CONTRACTOR SHALL PROTECT THE RESET MONUMENT WITH A VALVE BOX AND COVER SET FLUSH WITH THE FINISHED PAVING GRADE, AS SHOWN ON THE DETAIL DRAWINGS.
- 7) THIS PLAN IS NOT INTENDED TO BE A BOUNDARY SURVEY. THE APPROXIMATE PROPERTY LINES ARE BASED ON FIELD WORK AND TAX MAPS FROM THE TOWN OF HINESBURG.
- 8) THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEMOLITION AND REMOVAL OF STRUCTURES, VEGETATION, AND PAVEMENT NECESSARY TO CONSTRUCT THE PROJECT. UNLESS OTHERWISE NOTED ON THE PLANS, THE CONTRACTOR SHALL REMOVE ALL EXCESS MATERIAL, DEBRIS, AND TRASH FROM THE SITE UPON COMPLETION OF CONSTRUCTION, UNLESS OTHERWISE DIRECTED BY THE TOWN.
- 9) ANY DE-WATERING THAT IS NECESSARY FOR THE COMPLETION OF SITE WORK SHALL BE CONSIDERED AS PART OF THE CONTRACT AND SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
- 10) ANY CONFLICTS OR INCONSISTENCIES WITH THE PLANS OR SPECIFICATIONS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER.
- 11) ENGINEER ASSUMES NO RESPONSIBILITY FOR THE CONTINUED PROPER USE OR MAINTENANCE OF THE SYSTEM.
- 12) THE CONTRACTOR SHALL CONFORM TO ALL PERMITS AND EASEMENTS ASSOCIATED WITH THE CONSTRUCTION OF THIS PROJECT. IN PARTICULAR: TEMPORARY CONSTRUCTION EASEMENTS FOR PRIVATE PROPERTIES, CONDITIONAL USE DETERMINATION (CUD), AND STREAM ALTERATION.

CONSTRUCTION NOTES

- 1) ALL MATERIALS AND CONSTRUCTION SHALL COMPLY WITH CONSTRUCTION SPECIFICATIONS PROVIDED AND THE MOST RECENT VTRANS STANDARD SPECIFICATIONS. IN CASE OF CONFLICT OF SPECIFICATIONS, THE MORE STRINGENT SHALL APPLY. ALL WORK SHALL BE COMPLETED IN A WORKMANLIKE MANNER AND SHALL BE COMPLETED IN THE TIME SPECIFIED BY THE OWNER.
- 2) NEW SIDEWALK SHALL BE CONSTRUCTED TO LINE AND GRADE SHOWN ON DRAWINGS. COORDINATE WITH THE TOWN OF HINESBURG PUBLIC WORKS OFFICE PRIOR TO CONSTRUCTION.
- 3) METHODS FOR PREPARATION OF SUBGRADE SHALL CONFORM TO THE MOST RECENT VERMONT AGENCY OF TRANSPORTATION SPECIFICATIONS SECTION 203.12.
- 4) ANY SUBGRADE DISTURBED BY THE CONTRACTOR, OR RENDERED UNSUITABLE BY CONSTRUCTION MACHINERY SHALL BE REMOVED AND REPLACED WITH APPROVED GRANULAR BACKFILL AT THE CONTRACTOR'S EXPENSE.
- 5) SUBGRADE SHALL BE COMPACTED TO 95% OF THE MAXIMUM COMPACTION DENSITY (STANDARD PROCTOR) FOR SIDEWALK AND PAVEMENT CONSTRUCTION.
- 6) FILL MATERIAL SHALL BE APPROVED BY THE ENGINEER. FILL SHALL BE PLACED IN 6" LIFTS, WETTED AND COMPACTED WITH SATISFACTORY COMPACTION EQUIPMENT. FILL SHALL BE COMPACTED TO 95% OF THE MAXIMUM COMPACTION DENSITY.
- 7) GRAVEL SUBBASE FOR SIDEWALK SHALL CONFORM TO THE MOST RECENT VERMONT AGENCY OF TRANSPORTATION SPECIFICATIONS SECTION 704.05A COARSE AND FINE, AND PLACEMENT SHALL CONFORM TO SECTION 301.
- 8) ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO CONDITIONS EQUAL TO OR BETTER THAN THOSE EXISTING AT THE START OF CONSTRUCTION, OR AS OTHERWISE SPECIFIED. SHOULD THE CONTRACTOR DISTURB AREAS BEYOND THE CONSTRUCTION LIMITS, EASEMENTS, OR RIGHT OF WAYS, THIS RESTORATION WILL BE AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL EXISTING UTILITIES AND THEIR UNINTERRUPTED SERVICE. ALL OFF-SITE BACKFILL, SHEETING, SHORING, DE-WATERING, EROSION CONTROL, CLEARING, GRUBBING, DUST CONTROL, TRAFFIC CONTROL, GRADING, AND INCIDENTALS TO MAKE THE WORK COMPLETE SHALL BE INCLUDED AS PART OF THE REQUIRED WORK.
- 9) SIGN POSTS SHALL BE TUBULAR ALUMINUM. CONSTRUCT IN ACCORDANCE WITH VTRANS STANDARD SHEET E-162.

TRAFFIC CONTROL NOTES

- 1) TRAFFIC CONTROL SIGNING AND CHANNELING DEVICES SHALL BE IN ACCORDANCE WITH CURRENT VERSION OF MUTCD AND THE APPROPRIATE VTRANS STANDARD DETAILS.
- 2) PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL PREPARE TRAFFIC CONTROL PLANS FOR EACH PHASE OF CONSTRUCTION AND SUBMIT TO THE TOWN FOR APPROVAL.
- 3) APPROACH CONSTRUCTION SIGNING SHALL REMAIN IN PLACE DURING THE ENTIRE CONSTRUCTION PERIOD. OTHER SIGNING SHALL BE REMOVED OR COVERED WHEN NOT APPLICABLE.
- 4) TO FACILITATE THE FLOW OF TRAFFIC, THE TOWN SHALL HAVE AUTHORITY TO MODIFY THE CONTRACTOR'S ONGOING OPERATIONS OR PROPOSED METHODS OF CONSTRUCTION IN AND / OR NEAR THE CONSTRUCTION LIMITS AS IS DEEMED NECESSARY FOR THE SAFETY, CONVENIENCE AND WELFARE OF THE TRAVELING PUBLIC. THE CONTRACTOR SHALL COMPLY WITH THE TOWN DIRECTIVES CONCERNING THIS MATTER.

GENERAL LANDSCAPING NOTES

- 1) ORGANIC MATERIAL-TOPSOIL, COMPOST AND NATIVE EXISTING SOIL SHALL BE TESTED AT AN APPROVED LAB PRIOR TO DELIVERY ON SITE AND INSTALLATION. ORGANIC MATTER SHALL BE A MINIMUM OF 5%.
- 2) WATERING-SHRUBS TO RECEIVE A MINIMUM OF 5 GALLONS AT EACH WATERING, TREES TO RECEIVE A MINIMUM OF 10 GALLONS AT EACH WATERING. BOTH WILL BE WATERED TWICE A WEEK DURING ESTABLISHMENT PERIODS.
- 3) CONTRACTOR SHALL MAINTAIN AND PROVIDE A LOG TO THE ENGINEER SHOWING AMOUNTS AND DATES OF WATERING FOR ALL PLANTINGS AND NOTING NATURAL RAINFALL EVENTS. WATERING SCHEDULE MAY BE ADJUSTED AS APPROVED BY THE ENGINEER.

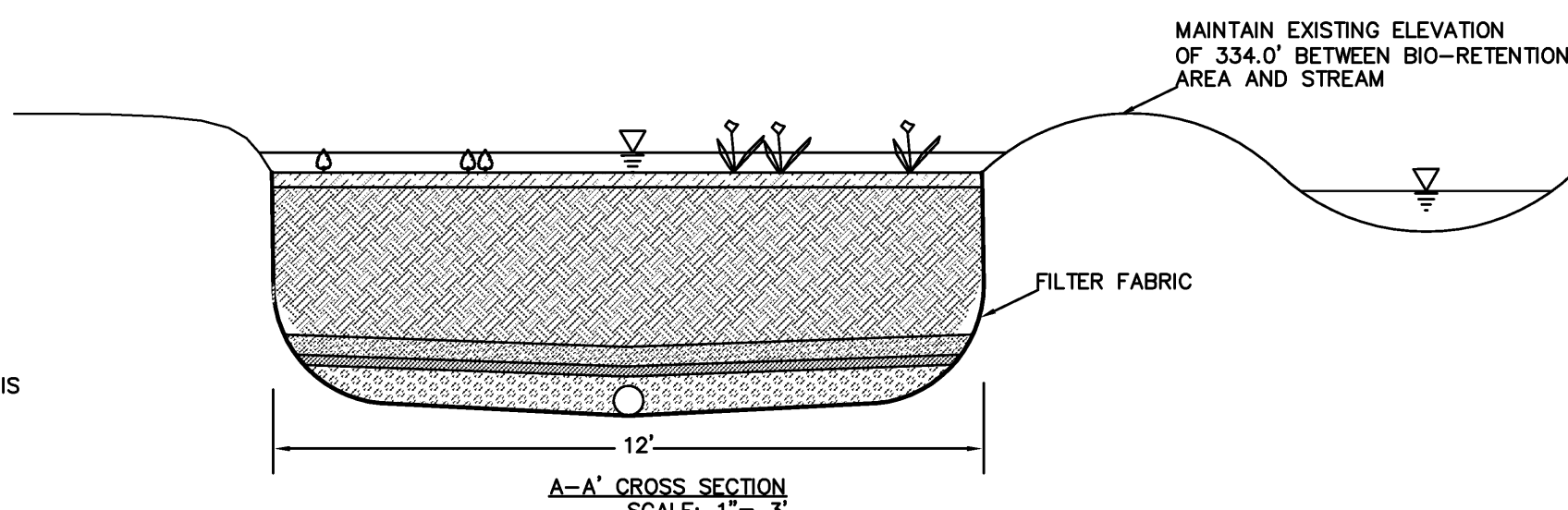
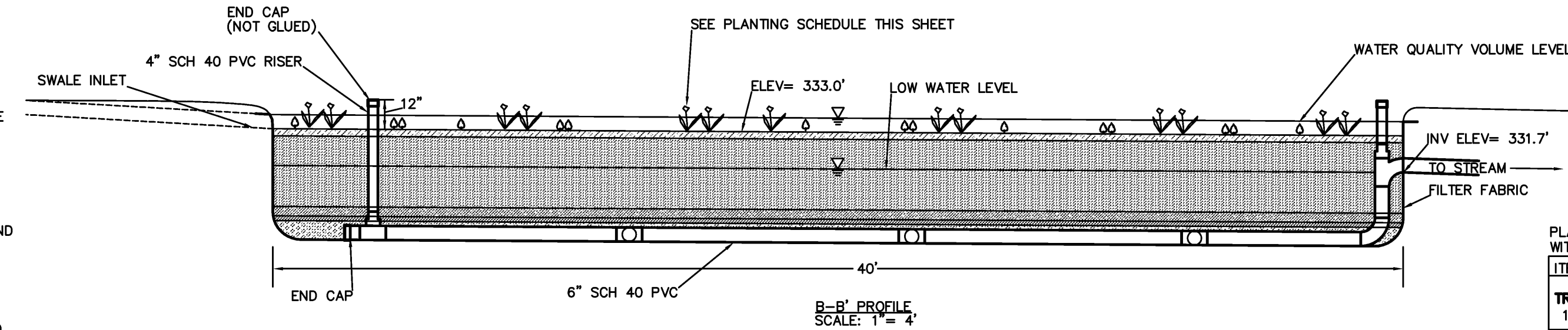
TOPSOIL - (SEE VTRANS STANDARD DETAIL SPECIFICATIONS 2006)

- 1) WHENEVER POSSIBLE, STOCKPILE AND REAPPLY TOPSOIL TO THE AREAS THAT ARE TO BE VEGETATED.
- 2) BACKFILL WITH PLANTING MIX OF ⅓ SCREENED TOPSOIL, ⅓ COMPOST AND ⅓ NATIVE MATERIAL AS APPROVED BY THE ENGINEER. UNSUITABLE NATIVE MATERIAL SHALL BE REPLACED WITH IMPORTED APPROVED TOPSOIL AS DIRECTED BY ENGINEER.
- 3) TOPSOIL SHALL HAVE NOT LESS THAN 20 PERCENT FINE TEXTURED MATERIAL (PASSING THE NO. 200 SIEVE) AND NOT MORE THAN 15 PERCENT CLAY.
- 4) TOPSOIL TREATED WITH SOIL STIMULANTS OR HERBICIDES SHALL BE SO IDENTIFIED TO THE PURCHASER.
- 5) TOPSOIL SHALL BE RELATIVELY FREE OF STONES OVER 1 ¼-INCH DIAMETER, TRASH, NOXIOUS WEEDS SUCH AS NUTSEDGE AND QUACK GRASS, AND WILL HAVE LESS THAN 10 PERCENT GRAVEL BY VOLUME.
- 6) TOPSOIL CONTAINING SOLUBLE SALTS GREATER THAN 500 PPM SHALL NOT BE USED.
- 7) TOPSOIL SHALL BE DISTRIBUTED TO A UNIFORM DEPTH OVER THE AREA. IT SHALL NOT BE PLACED WHEN IT IS PARTLY FROZEN, MUDDY, OR ON FROZEN SLOPES OR OVER ICE, SNOW, OR STANDING WATER PUDDLES.

SEEDING

- 1) SOIL AMENDMENTS -
A. LIME TO PH OF 6.0
B. FERTILIZE WITH 600 LBS. OF 5-10-10 OR EQUIVALENT PER ACRE (14 LBS./1,000 SQ.FT.)
- 2) THE SEED MIXTURE SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.4% BY WEIGHT AND SHALL BE FREE OF ALL NOXIOUS WEED SEED.
- 3) WATERING MAY BE ESSENTIAL TO ESTABLISH A NEW SEEDING. WEATHER CONDITIONS AND THE INTENDED WATER IRRIGATION IS A SPECIALIZED PRACTICE AND CARE NEEDS USE OF THE AREA WILL DICTATE WHEN TO BE TAKEN NOT TO EXCEED THE APPLICATION RATE / INFILTRATION RATE OF ANY GIVEN SOIL. EACH APPLICATION MUST BE UNIFORMLY APPLIED AND TWO INCHES OF WATER SHOULD BE APPLIED PER APPLICATION SETUP.
- 4) USE THE FOLLOWING SEED MIXTURE:

NAME	WEIGHT	LBS./ACRE	PUR%	GERM%
CREeping RED FESCUE	42.5	34.0	98	85
PERENNIAL RYE GRASS	10.0	8.0	95	90
KENTUCKY BLUE GRASS	42.5	34.0	85	85
ANNUAL RYE GRASS	5.0	4.0	95	95
	100.0	80.0		



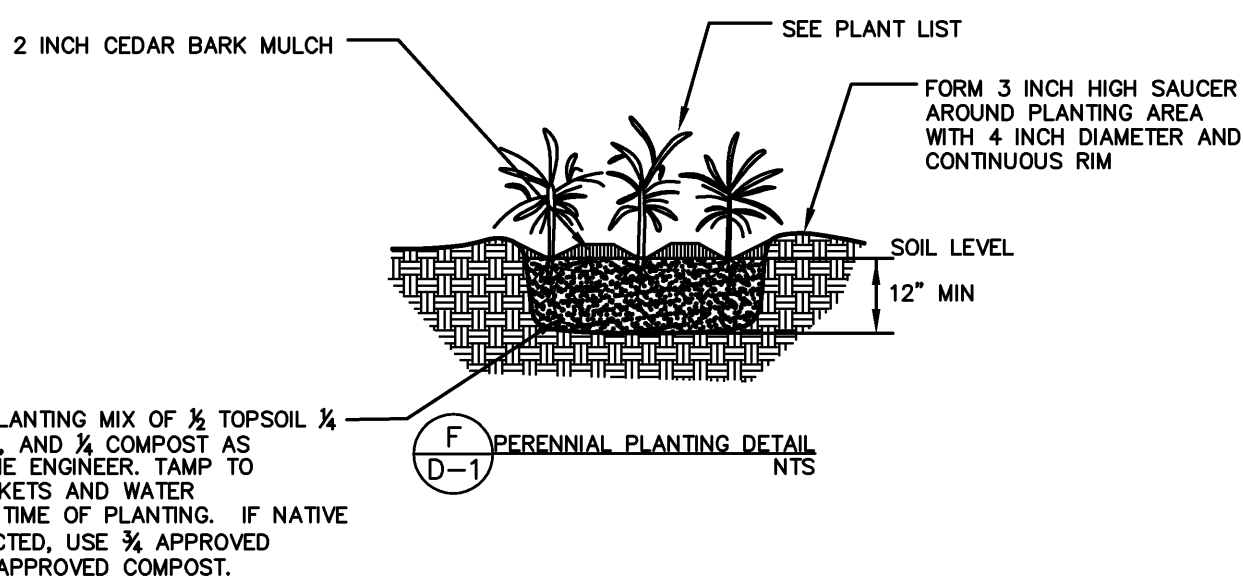
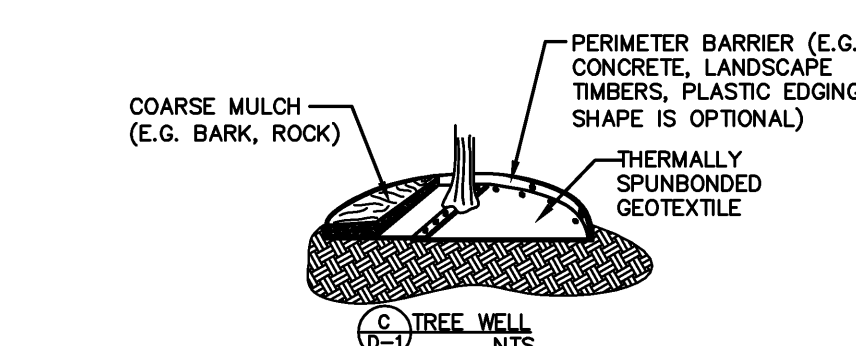
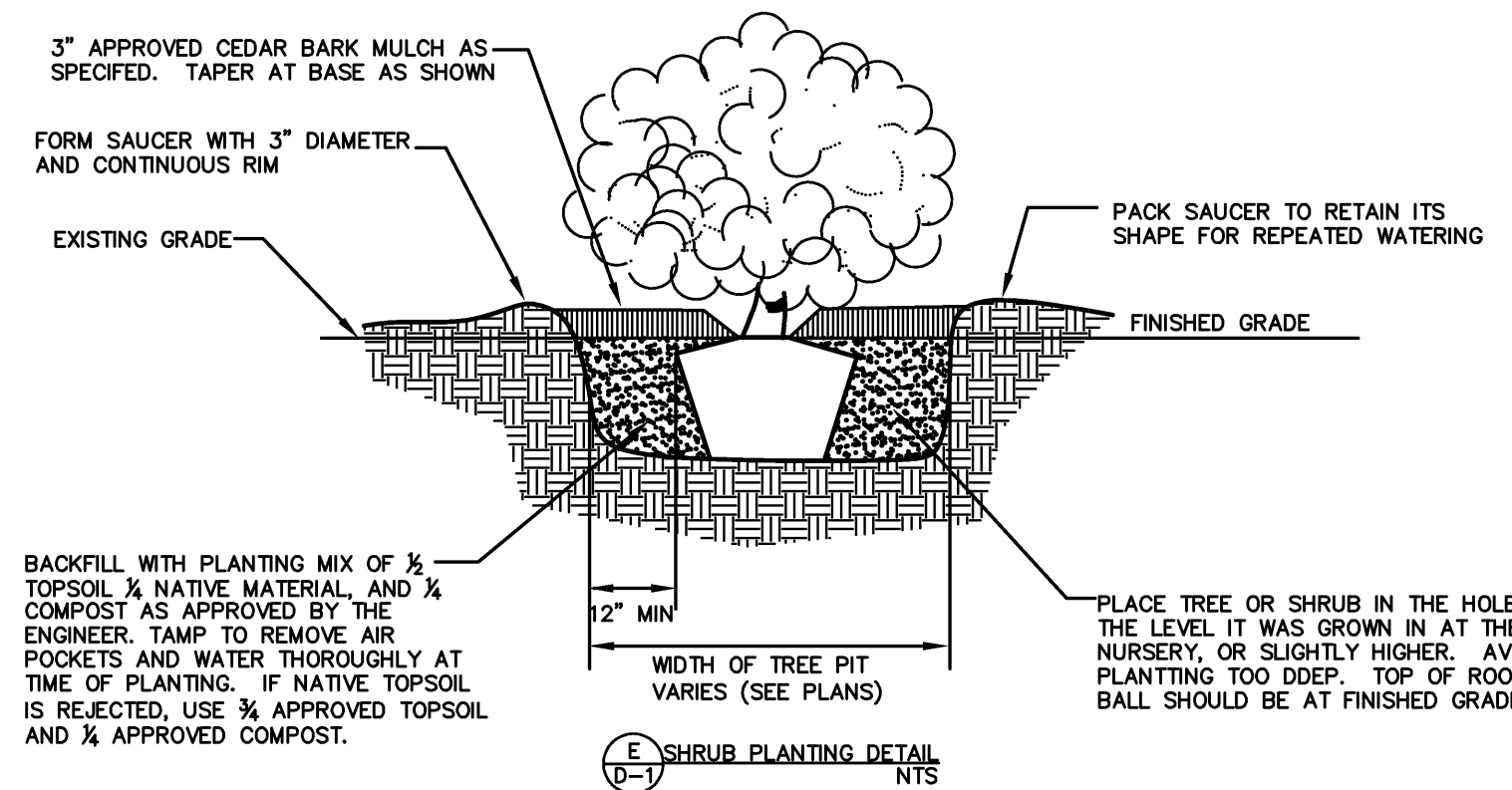
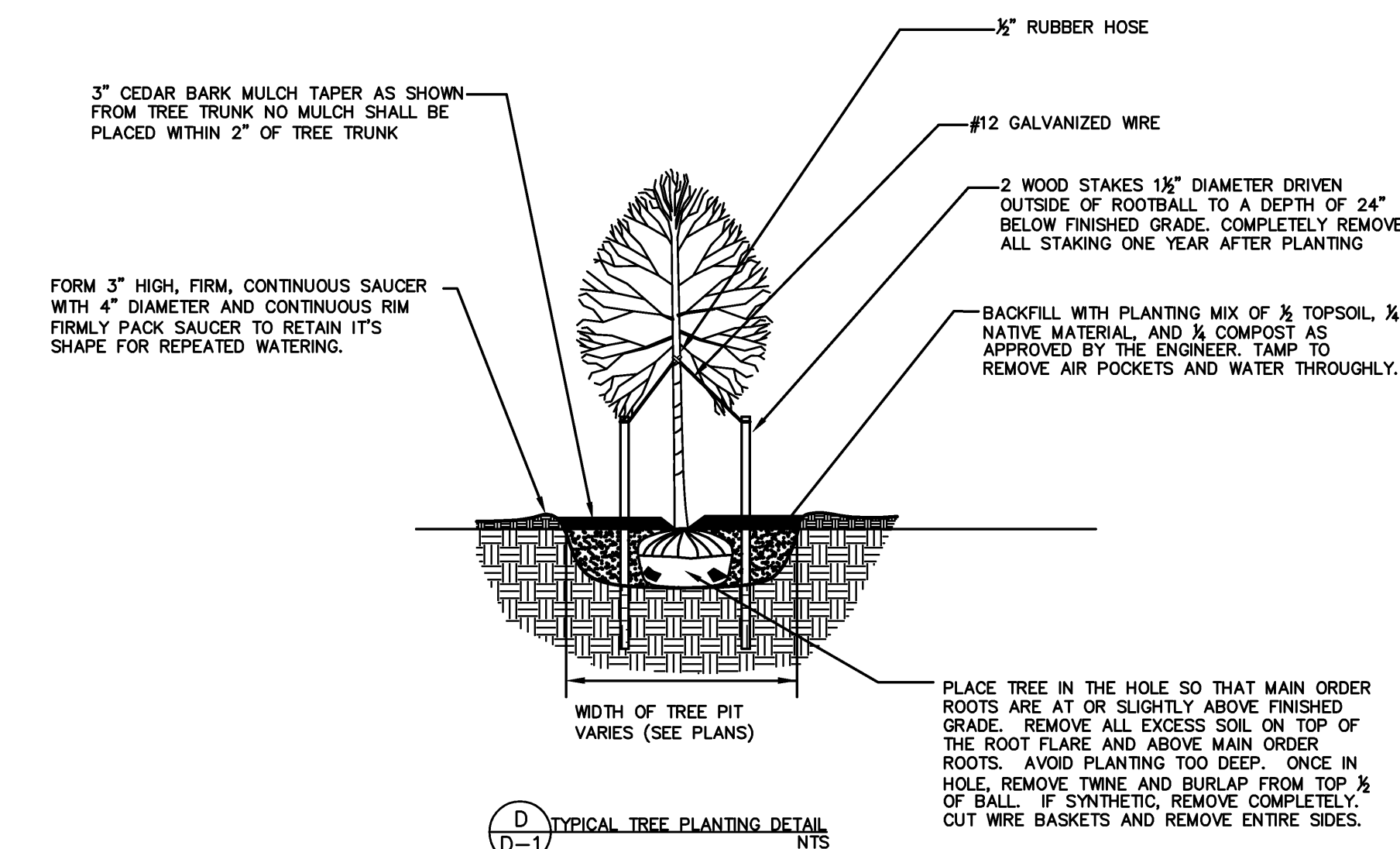
MULCH: SHREDDED HARDWOOD OR HARDWOOD CHIPS
BIO-RETENTION SOIL MEDIA: (FROM THE INTERVAL OR APPROVED EQUAL)
50% CONSTRUCTION SAND
20-30% TOPSOIL WITH LESS THAN 5% MAXIMUM CLAY CONTENT
20-30% ORGANIC LEAF COMPOST
LOW P INDEX 10-30
PH 5.5 TO 6
FILL SOIL P-INDEX OF 10-30
INFILTRATION = 1/2" PER HOUR MINIMUM

CHOKING STONE: SIEVE ANALYSIS	
SIEVE SIZE	% PASSING (BY WEIGHT)
1/2"(12.5mm)	100
3/8"(9.5mm)	84-100
#4(4.75mm)	10-40
#20(2.36mm)	0-8
#16(1.18mm)	0-5

WASHED STONE: SIEVE ANALYSIS	
SIEVE SIZE	% PASSING (BY WEIGHT)
1/2"(12.5mm)	100
1"(25mm)	95-100
1/2"(12.5)	25-60
#4(4.75mm)	0-10
#20(2.36mm)	0-5

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.



FINAL PLANS FOR CONSTRUCTION

REVISIONS	BY
1-Include comments from Amy Bie	02-23-07 LMM
2-REMOVE THE PEDESTRIAN SIGNS	06-07-07 LMM
3-ALIGNED SIDEWALK AROUND UTILITY POLES	07-18-07 LMM

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

DRAWN	DM
CHECKED	ES
DATE	01/15/07
SCALE	AS NOTED
JOB NO.	20051114
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