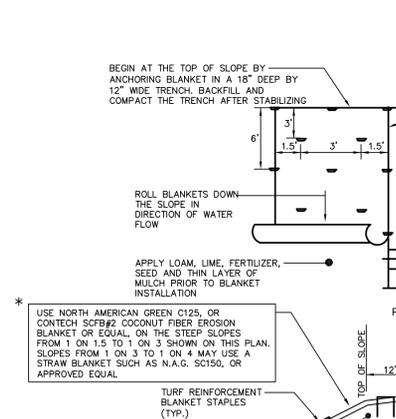
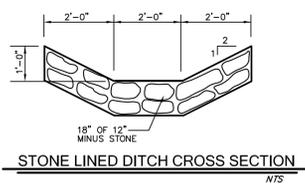


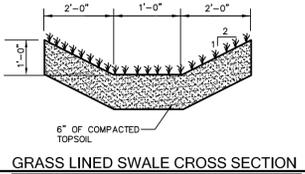
4" ORANGE BARRIER TAPE DETAIL
N/S



TYPICAL STABILIZED CONSTRUCTION ENTRANCE
N/S

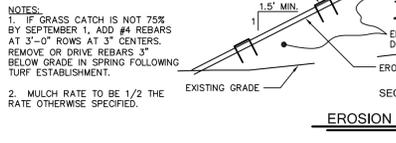


STONE LINED DITCH CROSS SECTION
N/S

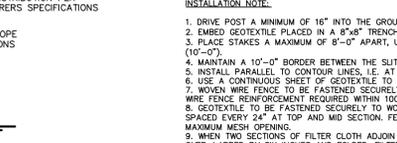


GRASS LINED SWALE CROSS SECTION
N/S

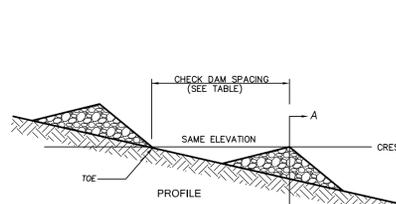
MULCH MATERIAL	QUALITY STANDARDS	per 1000 Sq.Ft.	per ACRE	DEPTH OF APPLICATION	REMARKS
WOOD CHIPS OR SHAVINGS	AIR-DRYED, FREE OF OBJECTIONABLE COARSE MATERIAL	500-900 LBS.	10-20 TONS	2"-7"	USED PRIMARILY AROUND SHRUB AND TREE PLANTINGS AND RECREATION TRAILS TO INHIBIT WEED COMPETITION, RESISTANT TO WIND BLOWING, DECOMPOSES SLOWLY.
WOOD FIBER CELLULOSE (PARTLY DIGESTED WOOD FIBERS)	MADE FROM NATURAL WOOD USUALLY WITH GREEN DYE AND DISPERSING AGENT.	50 LBS.	2,000 LBS.		APPLY WITH HYDROMULCHER, NO TIE DOWN REQUIRED. LESS EROSION CONTROL PROVIDED THAN 2 TONS OF HAY OR STRAW.
GRAVEL, CRUSHED STONE OR SLAG	WASHED, SIZE 2B OR 3A - 1/2"	9 CU. YDS.	405 CU. YDS.	3"	EXCELLENT MULCH FOR SLOPE STABILIZATION AND AROUND PLANTS AND ORNAMENTALS. USE 2B WHERE SUBJECT TO TRAFFIC. (APPROXIMATELY 2,000 LBS./CU.YD.). FREQUENTLY USED OVER FILTER FABRIC FOR BETTER WEED CONTROL.
HAY OR STRAW	AIR-DRYED, FREE OF UNDESIRABLE SEEDS & COARSE MATERIALS	90-100 LBS. 2-3 BALES	2 TONS (100-120 BALES)	COVER ABOUT 90% SURFACE	USE SMALL GRAIN STRAW WHERE MULCH IS MAINTAINED FOR MORE THAN 3 MONTHS. SUBJECT TO WIND BLOWING UNLESS ANCHORED. MOST COMMONLY USED MULCHING MATERIAL. PROVIDES THE BEST MICRO-ENVIRONMENT FOR GERMINATING SEEDS.
SITE TWISTED YARN	UNDYED, UNBLEACHED PLAIN WEAVE, WARP 78 ENDS/7D., WFT 41 ENDS/7D., 60-90 LBS./ROLL	48" x 50 YDS. OR 48" x 75 YDS.			USE WITHOUT ADDITIONAL MULCH. TIE DOWN AS PER MANUFACTURER'S SPECIFICATIONS. GOOD FOR CENTER LINE OF CONCENTRATED WATER FLOW.
EXCELSOR WOOD FIBER MATS	INTERLOCKING WEB OF EXCELSOR FIBERS WITH PHOTOGRADABLE PLASTIC NETTING.	8" x 100' 2-SIDED PLASTIC, 48" x 180' 1-SIDED PLASTIC			USE WITHOUT ADDITIONAL MULCH. EXCELLENT FOR SEEDING ESTABLISHMENT. APPROXIMATELY 72 LBS./ROLL FOR EXCELSOR WITH PLASTIC ON BOTH SIDES. USE TWO SIDED PLASTIC FOR CENTERLINE OF WATERWAYS.
COMPOST	UP TO 3" PIECES, MODERATELY TO HIGHLY STABLE	3-9 CU. YDS.	134-402 CU. YDS.	1-3"	COARSE TEXTURED MULCHES MAY BE MORE EFFECTIVE IN REDUCING WEED GROWTH AND WIND EROSION.
STRAW OR COCONUT FIBER, OR COMBINATION	PHOTODEGRADABLE PLASTIC NET ON ONE OR TWO SIDES	MOST ARE 6.5 FT. x 3.5 FT.	81 ROLLS		DESIGNED TO TOLERATE HIGHER VELOCITY WATER FLOW. CENTERLINES OF WATERWAYS, 60 SO YDS PER ROLL.



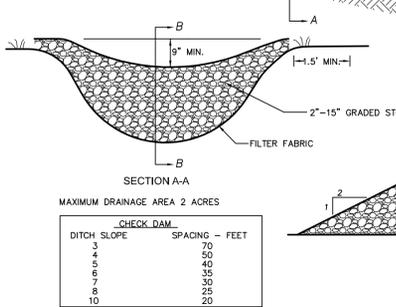
EROSION BLANKET DETAIL
N/S



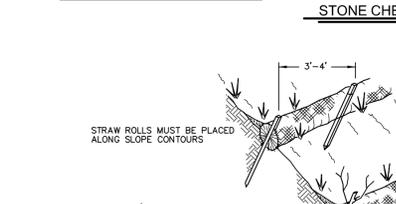
TYPICAL J-HOOK
N/S



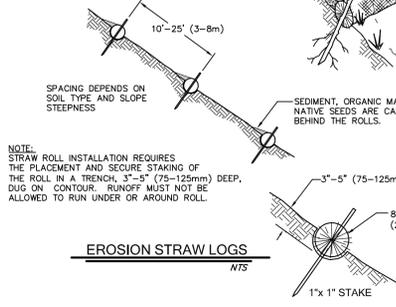
STONE CHECK DAM
N/S



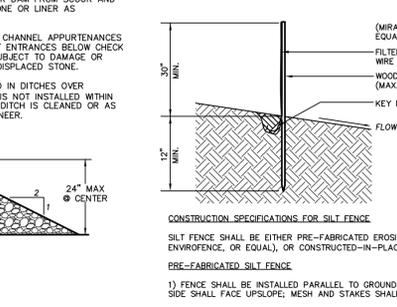
SILT FENCE
N/S



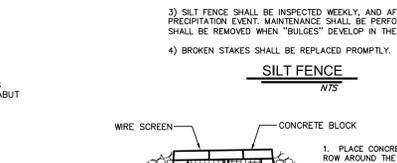
EROSION STRAW LOGS
N/S



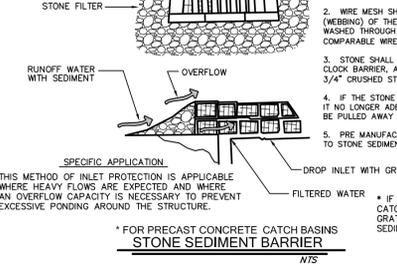
TEMPORARY WASTE SOIL STOCKPILE EROSION PROTECTION DETAIL
N/S



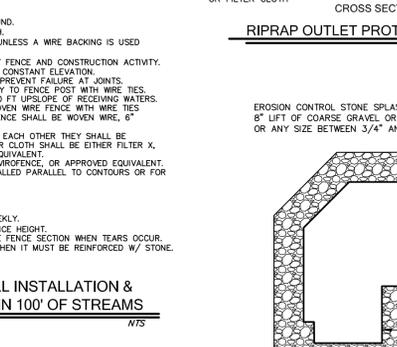
SILT FENCE FOR SIDE HILL INSTALLATION & FOR ALL LOCATIONS WITHIN 100' OF STREAMS
N/S



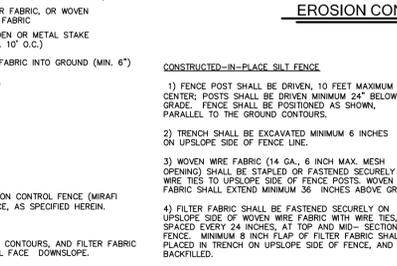
EROSION CONTROL SPLASH PAD DETAIL
N/S



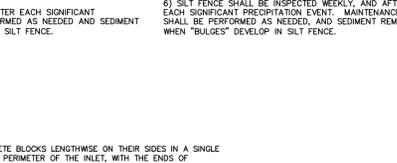
CONCRETE WASHOUT AREA DETAIL
N/S



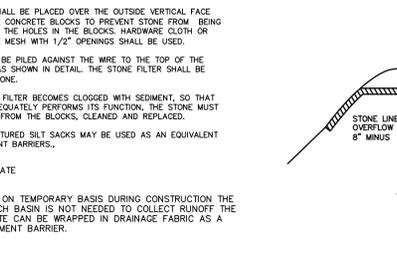
RIPRAP OUTLET PROTECTION DETAIL
N/S



SLOPING TRAIL CONDITION
N/S

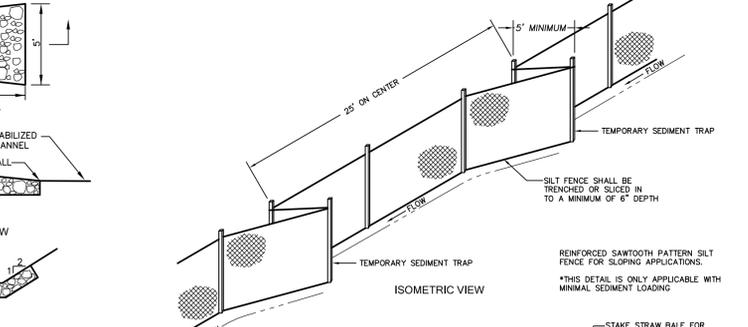


EROSION CONTROL SPLASH PAD DETAIL
N/S

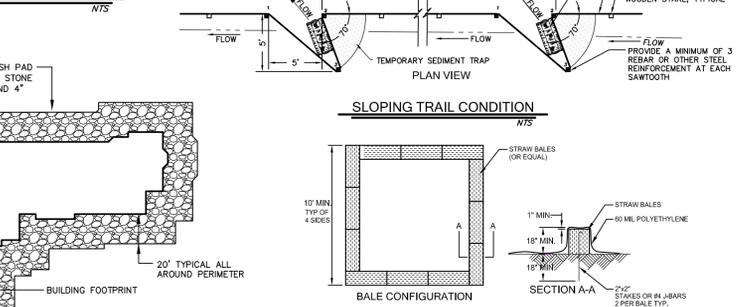


TEMPORARY WASTE SOIL STOCKPILE EROSION PROTECTION DETAIL
N/S

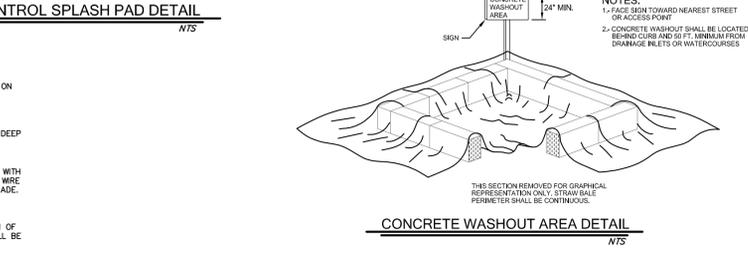
MULCH MATERIAL	QUALITY STANDARDS	per 1000 Sq.Ft.	per ACRE	DEPTH OF APPLICATION	REMARKS
WOOD CHIPS OR SHAVINGS	AIR-DRYED, FREE OF OBJECTIONABLE COARSE MATERIAL	500-900 LBS.	10-20 TONS	2"-7"	USED PRIMARILY AROUND SHRUB AND TREE PLANTINGS AND RECREATION TRAILS TO INHIBIT WEED COMPETITION, RESISTANT TO WIND BLOWING, DECOMPOSES SLOWLY.
WOOD FIBER CELLULOSE (PARTLY DIGESTED WOOD FIBERS)	MADE FROM NATURAL WOOD USUALLY WITH GREEN DYE AND DISPERSING AGENT.	50 LBS.	2,000 LBS.		APPLY WITH HYDROMULCHER, NO TIE DOWN REQUIRED. LESS EROSION CONTROL PROVIDED THAN 2 TONS OF HAY OR STRAW.
GRAVEL, CRUSHED STONE OR SLAG	WASHED, SIZE 2B OR 3A - 1/2"	9 CU. YDS.	405 CU. YDS.	3"	EXCELLENT MULCH FOR SLOPE STABILIZATION AND AROUND PLANTS AND ORNAMENTALS. USE 2B WHERE SUBJECT TO TRAFFIC. (APPROXIMATELY 2,000 LBS./CU.YD.). FREQUENTLY USED OVER FILTER FABRIC FOR BETTER WEED CONTROL.
HAY OR STRAW	AIR-DRYED, FREE OF UNDESIRABLE SEEDS & COARSE MATERIALS	90-100 LBS. 2-3 BALES	2 TONS (100-120 BALES)	COVER ABOUT 90% SURFACE	USE SMALL GRAIN STRAW WHERE MULCH IS MAINTAINED FOR MORE THAN 3 MONTHS. SUBJECT TO WIND BLOWING UNLESS ANCHORED. MOST COMMONLY USED MULCHING MATERIAL. PROVIDES THE BEST MICRO-ENVIRONMENT FOR GERMINATING SEEDS.
SITE TWISTED YARN	UNDYED, UNBLEACHED PLAIN WEAVE, WARP 78 ENDS/7D., WFT 41 ENDS/7D., 60-90 LBS./ROLL	48" x 50 YDS. OR 48" x 75 YDS.			USE WITHOUT ADDITIONAL MULCH. TIE DOWN AS PER MANUFACTURER'S SPECIFICATIONS. GOOD FOR CENTER LINE OF CONCENTRATED WATER FLOW.
EXCELSOR WOOD FIBER MATS	INTERLOCKING WEB OF EXCELSOR FIBERS WITH PHOTOGRADABLE PLASTIC NETTING.	8" x 100' 2-SIDED PLASTIC, 48" x 180' 1-SIDED PLASTIC			USE WITHOUT ADDITIONAL MULCH. EXCELLENT FOR SEEDING ESTABLISHMENT. APPROXIMATELY 72 LBS./ROLL FOR EXCELSOR WITH PLASTIC ON BOTH SIDES. USE TWO SIDED PLASTIC FOR CENTERLINE OF WATERWAYS.
COMPOST	UP TO 3" PIECES, MODERATELY TO HIGHLY STABLE	3-9 CU. YDS.	134-402 CU. YDS.	1-3"	COARSE TEXTURED MULCHES MAY BE MORE EFFECTIVE IN REDUCING WEED GROWTH AND WIND EROSION.
STRAW OR COCONUT FIBER, OR COMBINATION	PHOTODEGRADABLE PLASTIC NET ON ONE OR TWO SIDES	MOST ARE 6.5 FT. x 3.5 FT.	81 ROLLS		DESIGNED TO TOLERATE HIGHER VELOCITY WATER FLOW. CENTERLINES OF WATERWAYS, 60 SO YDS PER ROLL.



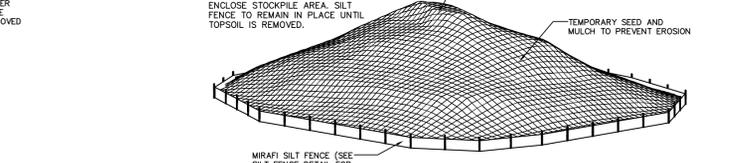
ISOMETRIC VIEW
N/S



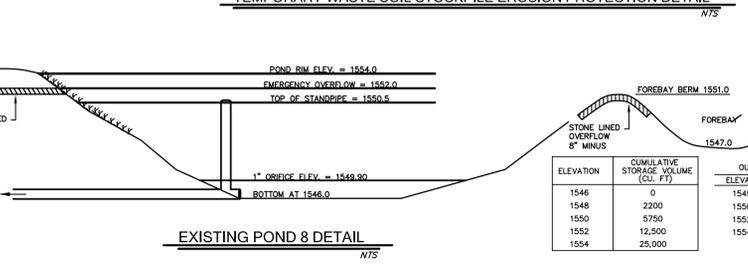
SLOPING TRAIL CONDITION
N/S



EROSION CONTROL SPLASH PAD DETAIL
N/S



TEMPORARY WASTE SOIL STOCKPILE EROSION PROTECTION DETAIL
N/S



EXISTING POND 8 DETAIL
N/S

EROSION CONTROL NOTES

- PROPERTY LINES SHOWN ON THESE PLANS ARE BASED UPON SURVEYS PROVIDED BY OUR OFFICE. THE PROJECT VERTICAL DATUM IS USDS, TOPOGRAPHY AND EXISTING CONTOURS OF THE AREA SHOWN ON THE SITE PLANS WERE DEVELOPED BY FIELD SURVEYS BY OUR OFFICE.
- TEMPORARY & PERMANENT PLANTINGS, SOIL AMENDMENTS
 - SEED @ 20 LB/ACRE (CONSERVATION MIX)
 - FERTILIZER (500 LB/ACRE OF 10-20-20)
 - LINE @ 2 TONS/ACRE
 - MULCH @ 2 TONS/ACRE
 - TOPSOIL (6" MINIMUM SCREENED USING STOCKPILES SAVED AT THE WARREN HOUSE)
 - EROSION NETTING (AS NEEDED)
- SILT FENCE SHALL BE PLACED AS SHOWN ON THE PLANS TO RETAIN SEDIMENT. THE SILT FENCE CAN BE REMOVED WHEN THE EXCAVATION IS COMPLETE, THE SLOPES ARE 30 DAYS AFTER MULCHED AND GOOD GRASS COVER HAS BEEN ESTABLISHED.
- IT IS ANTICIPATED THAT ADDITIONAL EROSION CONTROL MEASURES WILL BE REQUIRED IN THE FIELD. THE ENGINEER, OR OWNERS REPRESENTATIVE SHALL AUTHORIZE ADDITIONAL NETTING, MULCH, STONE, CATCH BASINS, ETC. AS THEY BECOME NECESSARY.
- STONE CHECK DAMS OR STRAW LOGS SHALL BE PLACED AT THE INLET END OF ALL CONVEYERS TO RETAIN SEDIMENT. CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE OF THESE THROUGH OUT CONSTRUCTION.
- EROSION CONTROL BLANKET, ON ALL SLOPES GREATER THAN 3:1. BLANKETS OR NETTING SHALL BE STAPLED INTO THE GROUND, PER MANUFACTURER'S SPECIFICATIONS.
- THE "VERMONT STANDARDS AND SPECIFICATIONS FOR EROSION PREVENTION AND SEDIMENT CONTROL 2008" SHALL BE FOLLOWED DURING ALL SITE CONSTRUCTION.
- A PRECONSTRUCTION MEETING WILL BE HELD WITH THE OWNER, ENGINEER AND CONTRACTOR TO REVIEW EROSION CONTROL REQUIREMENTS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- MAINTENANCE AND INSPECTIONS: INSPECTIONS WILL BE PERFORMED BY THE ONSITE PLAN COORDINATOR, A MINIMUM OF ONCE PER WEEK, ALSO, PRIOR TO AND IMMEDIATELY FOLLOWING STORM EVENTS. MAINTENANCE TO BE PERFORMED AS NEEDED BASED ON INSPECTIONS.
- ALL SEED SHALL BE APPLIED PRIOR TO SEPTEMBER 15TH OR AS WEATHER ALLOWS, TO FACILITATE GERMINATION.
- ESTABLISH CONSTRUCTION STAGING AREA AND SOIL STOCKPILE AREA PRIOR TO THE START OF CONSTRUCTION.
- SITE WORK WHICH IS REQUIRED AFTER OCTOBER 15TH WILL BE CONDUCTED IN CONFORMANCE WITH A WINTER EROSION CONTROL PLAN.
- ALL AREAS OF DISTURBANCE MUST HAVE TEMPORARY OR FINAL STABILIZATION WITHIN 7 DAYS OF INITIAL DISTURBANCE. AFTER THIS TIME, ANY DISTURBANCE IN THE AREA MUST BE STABILIZED AT THE END OF EACH WORK DAY. THE FOLLOWING EXCEPTIONS APPLY: 1) STABILIZATION IS NOT REQUIRED IF WORK IS TO CONTINUE IN THE AREA WITHIN THE NEXT 24 HOURS AND THERE IS NO PRECIPITATION IN THE FORECAST FOR THE NEXT 24 HOURS, AND/OR 2) STABILIZATION IS NOT REQUIRED IF THE WORK IS OCCURRING IN A SELF-CONTAINED EXCAVATION (I.E. NO OUTLET) WITH A DEPTH OF 2 FEET OR GREATER (E.G., HOUSE FOUNDATION EXCAVATION, UTILITY TRENCHES).
- THE MAXIMUM AMOUNT OF DISTURBED EARTH AT ANY GIVEN TIME SHALL BE LIMITED TO 4.9 ACRES. ACRES THAT HAVE BEEN STABILIZED (EITHER TEMPORARY OR FINAL) ARE NOT INCLUDED.
- THE GENERAL CONTRACTOR AND ANY SITE WORK SUBCONTRACTOR MUST SIGN ON AS A CO-PERMITTEE TO THE 9020 GENERAL PERMIT.
- THE OWNERS REPRESENTATIVE FOR THE PROJECT IS MARGO WADE, 802-583-6366.
- NO MORE THAN 500' OF UTILITY TRENCH SHALL BE OPENED AT ONE TIME.
- ALL SEDIMENT REMOVED FROM TRAPS SHALL BE DISPOSED OF IN A STABLE LOCATION ON SLOPES LESS THAN 5% MORE THAN 100' FROM ANY STREAM AND ON A VEGETATED SURFACE.

PROJECT SEQUENCE (ESTIMATED PROJECT DURATION APRIL 15th - DEC. 15th 2015)

PHASE I: CONSTRUCTION OF GADD BROOK RESIDENCES PRIOR TO SEPT. 15th

- INSTALL LIMITS OF DISTURBANCE AND SILT FENCE FOR ENTIRE SITE AREA (SEE SITE PLAN).
- INSTALL STABILIZED CONSTRUCTION ENTRANCE.
- EXCAVATE FOR GADD BROOK RESIDENCES.
- START CONCRETE FOUNDATION WORK.
- START BUILDING FRAMING.
- INSTALL UTILITIES (SEWER, WATER, GAS, ELECTRIC).
- INSTALL DRAINAGE CATCH BASINS & STORMDRAINS AROUND THE BUILDING.
- CONSTRUCT ROADWAY & TURNAROUND.
- INSTALL ADDITIONAL STORMWATER TREATMENT FEATURES.
- SEED AND MULCH DISTURBED AREAS BEFORE SEPT. 15th.
- INSTALL HARD SCAPE FEATURES (STEPS, PATIO AND WALKWAYS).
- FULLY STABILIZE PHASE I, BEFORE MOVING TO PHASE II.

PHASE II CONSTRUCTION:

- MASS EXCAVATE FOR ACCESS ROAD AND TRAFFIC LOOP.
- INSTALL STORMDRAINS ALONG ACCESS ROAD.
- RELOCATE FIRE HYDRANT.
- INSTALL ALL CURB & SIDEWALKS.
- SEED AND MULCH ALL DISTURBED AREAS.
- CHECK SILT FENCE AND EROSION FABRIC FOR DAMAGE AND REPLACE AS NEEDED.
- FULLY STABILIZE PHASE II BEFORE MOVING TO PHASE III

PHASE III CONSTRUCTION:

- MASS EXCAVATE FOR VILLAGE PARKING LOTS.
- INSTALL DRAINAGE BASINS AND STORMDRAINS.
- INSTALL CURB AND STAIRWAYS BETWEEN PARKING BAYS.
- APPLY SEED, MULCH AND EROSION FABRIC PER PLAN.
- INSTALL INLET PROTECTION AT ALL CATCH BASINS.
- REVIEW ALL SILT FENCE AND EROSION FABRIC AND REPAIR AS NEEDED.
- FULLY STABILIZE PHASE III

PHASE IV: FINAL SITE CLEANUP PRIOR TO OCT. 15th

- REMOVE LIMITS OF DISTURBANCE.
- INSPECT SILT FENCE AS SHOWN ON EPCS PLAN FOR INTEGRITY.
- INSPECT EROSION CONTROL NETTING, SEED AND MULCH FOR COVERAGE.
- REVIEW SITE FOR WINTER STABILIZATION.
- FINAL STABILIZATION.

SPECIAL CONDITIONS FOR WINTER CONSTRUCTION (OCT. 15th - APRIL 15th)

- INSPECT SILT FENCE AND INSTALL DOUBLE ROWS OR REINFORCED SILT FENCE TO RESIST SNOW LOADS ALONG TOE OF SLOPES. INSTALL SILT FENCE PRIOR TO GROUND FREEZING.
- INCREASE MULCH APPLICATION RATE TO 3" OF COVER. TRACK IN HAY MULCH TO PREVENT WIND DISTURBANCE. REMOVE SNOW THICKNESS TO LESS THAN 1" IF MULCHING OVER SNOW COVERED GROUND.
- REINFORCE EROSION CONTROL MAT & RESTAPLE AS NEEDED.
- REFURBISH STABILIZED CONSTRUCTION ENTRANCE & REPLACE LAYER AS NEEDED.
- COVER & CONTAIN STOCKPILES TO OVER WINTER.
- KEEP ALL EXISTING FLOW PATHS CLEAR OF ICE AND SNOW.
- STABILIZE ALL AREAS OF DISTURBANCE AT THE END OF EACH WORK DAY UNLESS NO PRECIPITATION IS FORECASTED FOR 24 HOURS, OR THE SITE IS TO BE WORKED THE NEXT DAY.
- PULL IN LIMITS OF DISTURBANCE TO PREVENT TRAFFIC IN STABILIZED AREAS.
- NOTICE OF WINTER CONSTRUCTION MUST BE FILED UNDER PERMIT 9020 FOR ANY WORK PLANNED
- BETWEEN OCT. 15th AND APRIL 15th.

POND CONSTRUCTION NOTES:

- POND 8 SHALL BE PROTECTED FROM SEDIMENT ACCUMULATION DURING CONSTRUCTION. WRAP STANDPIPE IN FILTER FABRIC AND INSTALL STONE CHECK DAMS AT FOREBAY INLET. REMOVE ANY SEDIMENT ACCUMULATED DURING CONSTRUCTION PRIOR TO BRINGING POND ONLINE FOR TREATMENT.

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VHB
Vermont Hangers Brantley, Inc.
Land Development
Environmental Services

Sugarbush
EcoBusters

Lincoln Peak Base Area Redevelopment - Phase II
Lincoln Peak Village - Gadd Brook Residences - Phase IIB
Warren, Vermont 05674

Drawn By: TJM
Checked By: JDG
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REVISIONS	
1	01.27.15

DATE: 12.15.2014

EROSION CONTROL DETAILS
C6