2. TOPSOIL TEMPORARY STOCKPILE AREAS: ALL SOIL RELOCATION AND STORAGE SHALL OCCUR PER PRIMARY AGRICULTURAL SOIL MAP UNIT AND BE IN CONFORMANCE WITH AAFM GUIDELINES, SEE NOTE 1. PROVIDE TEMPORARY AND PERMANENT STABILIZATION.

EROSION CONTROL NOTES

THIS PROJECT WILL BE SUBJECT TO THE TERMS AND CONDITIONS OF AN AUTHORIZATION FROM THE STATE OF VERMONT TO DISCHARGE CONSTRUCTION RELATED STORM WATER RUNOFF, PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL COORDINATE WITH THE OWNER TO DETERMINE VT DEC PERMITTING REQUIREMENTS FOR EROSION CONTROL FOR THE PROJECT.

COVERAGE UNDER THE STATE CONSTRUCTION GENERAL PERMIT 3-9020 IS REQUIRED FOR ANY CONSTRUCTION ACTIVITY THAT DISTURBS 1 OR MORE ACRES OF LAND, OR IS PART OF A LARGER DEVELOPMENT PLAN THAT WILL DISTURB 1 OR MORE ACRES.

THIS PROJECT IS ASSUMED TO REQUIRE AN AUTHORIZATION TO DISCHARGE, IS PRESUMED TO REQUIRE AN INDIVIDUAL CONSTRUCTION STORMWATER PERMIT, AND WILL AT A MINIMUM FOLLOW THE REQUIREMENTS OF THE VERMONT LOW RISK SITE HANDBOOK AS DESCRIBED ON THIS SHEET AS WELL AS ANY ADDITIONAL CONDITIONS OF THE AUTHORIZATION.

EROSION PREVENTION AND SEDIMENT CONTROL

THE FOLLOWING NARRATIVE AND IMPLEMENTATION REQUIREMENTS REPRESENT THE MINIMUM STANDARD FOR WHICH THIS SITE IS REQUIRED TO BE MAINTAINED AS REGULATED BY THE STATE OF VERMONT.

ANY BEST MANAGEMENT PRACTICES (BMP'S) DEPICTED ON THE PROJECT'S EPSC SITE PLAN WHICH GO BEYOND THE HANDBOOK REQUIREMENTS ARE CONSIDERED TO BE INTEGRAL TO THE MANAGEMENT OF THE SITE.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO IMPLEMENT THE NECESSARY BMP'S TO COMPLY WITH THE LOW RISK HANDBOOK STANDARDS OUTLINED ON THIS SHEET BASED ON THE INTERIM SITE DISTURBANCE CONDITIONS WHICH MAY OR MAY NOT BE SHOWN ON THE EPSC SITE PLAN.

1. MARK SITE BOUNDARIES

MARK THE SITE BOUNDARIES TO IDENTIFY THE LIMITS OF CONSTRUCTION.

BEFORE BEGINNING CONSTRUCTION, WALK THE SITE BOUNDARIES AND FLAG TREES, POST SIGNS, OR INSTALL ORANGE SAFETY FENCE. FENCE IS REQUIRED ON ANY BOUNDARY WITHIN 50 FEET OF A STREAM, LAKE. POND OR WETLAND, UNLESS THE AREA IS ALREADY DEVELOPED (EXISTING ROADS, BUILDINGS, ETC.)

2. <u>LIMIT DISTURBANCE AREA</u>

POTENTIAL EROSION ON SITE.

REQUIREMENTS: THE PERMITTED DISTURBANCE AREA IS SPECIFIED ON THE SITE'S WRITTEN AUTHORIZATION TO DISCHARGE. ONLY THE ACREAGE LISTED

ON THE AUTHORIZATION FORM MAY BE EXPOSED AT ANY GIVEN TIME.

LIMIT THE AMOUNT OF SOIL EXPOSED AT ONE TIME TO REDUCE THE

3. STABILIZED CONSTRUCTION EXIT

PURPOSE: A STABILIZED CONSTRUCTION EXIT HELPS REMOVE MUD FROM VEHICLE

WHEELS TO PREVENT TRACKING ONTO STREETS. REQUIREMENTS:

IF THERE WILL BE ANY VEHICLE TRAFFIC OFF OF THE CONSTRUCTION

SITE, A STABILIZED CONSTRUCTION EXIT MUST BE INSTALLED BEFORE CONSTRUCTION BEGINS.

REDRESS WITH CLEAN STONE AS REQUIRED TO KEEP SEDIMENT FROM

TRACKING ONTO THE STREET. 4. INSTALL SILT FENCE

SILT FENCES INTERCEPT RUNOFF AND ALLOW SUSPENDED SEDIMENT TO

REQUIREMENTS:

- PLACE SILT FENCE ON THE DOWNHILL EDGE OF BARE SOIL OR CONSTRUCTION ACTIVITIES, AT THE BOTTOM OF SLOPES, PLACE FENCE 10 FEET DOWNHILL FROM THE END OF THE SLOPE (IF SPACE IS AVAILABLE). AND BETWEEN ANY DITCH, SWALE, STORM SEWER INLET, OR WATERS OF THE STATE AND THE DISTURBED SOIL
- ENSURE THE SILT FENCE CATCHES ALL RUNOFF FROM BARE SOIL. • MAXIMUM DRAINAGE AREA IS 1/4 ACRE FOR 100 FEET OF SILT FENCE.
- INSTALL SILT FENCE ACROSS THE SLOPE • INSTALL MULTIPLE ROWS OF SILT FENCE ON LONG HILLS TO BREAK
- UP FLOW. DO NOT INSTALL SILT FENCE ACROSS DITCHES, CHANNELS, OR
- STREAMS OR IN STREAM BUFFERS *HAY BALES MUST NOT BE USED AS SEDIMENT BARRIERS DUE TO THEIR TENDENCY TO DEGRADE AND FALL APART

.MAINTENANCE:

- REMOVE ACCUMULATED SEDIMENT BEFORE IT IS HALFWAY UP THE
- ENSURE THAT SILT FENCE IS TRENCHED IN GROUND AND THERE ARE

5. DIVERT UPLAND RUNOFF

DIVERSION BERMS INTERCEPT RUNOFF FROM ABOVE THE CONSTRUCTION SITE AND DIRECT IT AROUND THE DISTURBED AREA. THIS PREVENTS CLEAN WATER FROM BECOMING MUDDIED WITH SOIL FROM THE CONSTRUCTION SITE.

IF STORM WATER RUNS ONTO YOUR SITE FROM UPSLOPE AREAS AND YOUR SITE MEETS THE FOLLOWING TWO CONDITIONS, YOU MUST INSTALL A DIVERSION BERM BEFORE DISTURBING ANY SOIL. 1. YOU PLAN TO HAVE ONE OR MORE ACRES OF SOIL EXPOSED AT ANY

ONE TIME (EXCLUDING ROADS). 2. AVERAGE SLOPE OF THE DISTURBED AREA IS 20% OR STEEPER.

6. SLOW DOWN CHANNELIZED RUNOFF

STONE CHECK DAMS REDUCE EROSION IN DRAINAGE CHANNELS BY SLOWING DOWN THE STORM WATER FLOW.

IF THERE IS A CONCENTRATED FLOW (E.G. IN A DITCH OR CHANNEL) OF STORM WATER ON YOUR SITE, THEN YOU MUST INSTALL STONE CHECK DAMS. HAY BALES MUST NOT BE USED AS CHECK DAMS.

REMOVE SEDIMENT ACCUMULATED BEHIND THE DAM AS NEEDED TO ALLOW CHANNEL TO DRAIN THROUGH THE STONE CHECK DAM AND PREVENT LARGE FLOWS FROM CARRYING SEDIMENT OVER THE DAM. IF SIGNIFICANT EROSION OCCURS BETWEEN CHECK DAMS, A LINER OF

STONE SHOULD BE INSTALLED. 7. STABILIZE EXPOSED SOIL

SEEDING AND MULCHING, APPLYING EROSION CONTROL MATTING, AND HYDROSEEDING ARE ALL METHODS TO STABILIZE EXPOSED SOIL. MULCHES AND MATTING PROTECT THE SOIL SURFACE WHILE GRASS IS ESTABLISHING.

ALL AREAS OF DISTURBANCE MUST HAVE TEMPORARY OR PERMANENT STABILIZATION WITHIN 14 DAYS OF INITIAL DISTURBANCE, AS STATED IN THE PROJECT AUTHORIZATION. AFTER THIS TIME, ANY DISTURBANCE IN THE AREA MUST BE STABILIZED AT THE END OF EACH WORK DAY.

THE FOLLOWING EXCEPTIONS APPLY:

- STABILIZATION IS NOT REQUIRED IF EARTHWORK IS TO CONTINUE IN THE AREA WITHIN THE NEXT 24 HOURS AND THERE IS NO
- PRECIPITATION FORECAST FOR THE NEXT 24 HOURS. 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).

HOW TO COMPLY: PREPARE BARE SOIL FOR SEEDING BY GRADING THE TOP 3 TO 6 INCHES

OF SOIL AND REMOVING ANY LARGE ROCKS OR DEBRIS.

SEEDING RATES FOR TEMPORARY STABILIZATION APRIL 15 - SEPT. 15 --- RYEGRASS (ANNUAL OR PERENNIAL: 20 LBS/ACRE) SEPT. 15 - APRIL 15 --- WINTER RYE: 120 LBS/ACRE

SEEDING RATES FOR FINAL STABILIZATION: (SEE TABLE END OF NOTES)

MANUFACTURERS INSTRUCTIONS

APRIL 15 - SEPT. 15 -- HAY OR STRAW: 1 INCH DEEP (1-2 BALES/1000S.F.) SEPT. 15 - APRIL. 15 -- HAY OR STRAW: 2 INCH DEEP (2-4 BALES/1000S.F.)

EROSION CONTROL MATTING USE NORTH AMERICAN GREEN S75 OR APPROVED EQUAL. INSTALL PER

AS PER MANUFACTURER'S INSTRUCTIONS

8. WINTER STABILIZATION

'WINTER CONSTRUCTION' AS DISCUSSED HERE, DESCRIBES THE PERIOD BETWEEN OCTOBER 15 AND APRIL 15, WHEN EROSION PREVENTION AND SEDIMENT CONTROL IS SIGNIFICANTLY MORE DIFFICULT. RAINS IN LATE FALL, THAWS THROUGHOUT THE WINTER, AND SPRING MELT AND RAINS CAN PRODUCE SIGNIFICANT FLOWS OVER FROZEN AND SATURATED GROUND, GREATLY INCREASING THE POTENTIAL FOR

REQUIREMENTS FOR WINTER SHUTDOWN: FOR THOSE PROJECTS THAT WILL COMPLETE EARTH DISTURBANCE ACTIVITIES PRIOR TO THE WINTER PERIOD (OCTOBER 15). THE FOLLOWING REQUIREMENTS MUST BE ADHERED TO:

- 1. FOR AREAS TO BE STABILIZED BY VEGETATION, SEEDING SHALL BE COMPLETED NO LATER THAN SEPTEMBER 15 TO ENSURE ADEQUATE GROWTH AND COVER.
- 2. IF SEEDING IS NOT COMPLETED BY SEPTEMBER 15, ADDITIONAL NON-VEGETATIVE PROTECTION MUST BE USED TO STABILIZE THE SITE FOR THE WINTER PERIOD. THIS INCLUDES USE OF EROSION CONTROL MATTING OR NETTING OF A HEAVY MULCH LAYER. SEEDING WITH WINTER RYE IS RECOMMENDED TO ALLOW FOR EARLY GERMINATION
- DURING WET SPRING CONDITIONS. 3. MULCH SHALL BE APPLIED AT DOUBLE THE REGULAR CONSTRUCTION SEASON RATE OR ROUGHLY 2 INCHES OF MULCH WITH 80 TO 90% COVER. MULCH SHALL BE TRACKED IN OR STABILIZED WITH NETTING.

REQUIREMENTS FOR WINTER CONSTRUCTION IF CONSTRUCTION ACTIVITIES INVOLVING EARTH DISTURBANCE

- CONTINUE PAST OCTOBER 15 OR BEGIN BEFORE APRIL 15, THE FOLLOWING REQUIREMENTS MUST BE ADHERED TO: 1. ENLARGED ACCESS POINTS AS PERMITTABLE TO PROVIDE SPACE FOR SNOW STOCKPILING.
- 2. LIMITS OF DISTURBANCE MOVED OR REPLACED TO REFLECT BOUNDARY OF WINTER WORK, AS NEEDED.
- 3. CLEARED SNOW SHALL BE PLACED DOWN GRADIENT OF ALL AREAS OF DISTURBANCE WHERE FEASIBLE.
- 4. SHOW SHALL NOT BE PLACED IN STORMWATER STRUCTURES (E.G. 5. TO THE EXTENT PRACTICABLE, A MINIMUM 25 FOOT BUFFER FROM
- PERIMETER CONTROLS (E.G. SILT FENCE) SHALL BE MAINTAINED TO ALLOW FOR SNOW CLEARING AND MAINTENANCE. 6. FOR AREAS OF DISTURBANCE WITHIN 100 FEET OF A RECEIVING WATER, SILT FENCE SHALL BE REINFORCED OR ELSE REPLACED WITH
- PERIMETER DIKES, SWALES, OR OTHER PRACTICES RESISTANT TO THE FORCES OF SNOW LOADS. 7. DRAINAGE STRUCTURES MUST BE KEPT OPEN AND FREE OF SNOW
- AND ICE DAMS AS DETERMINED BY THE ON SITE PROJECT COORDINATOR.
- 8. EPSC MEASURES THAT REQUIRE SOIL DISTURBANCE TO INSTALL (E.G., SILT FENCE) SHALL BE INSTALLED PRIOR TO GROUND FREEZING. 9. SNOW AND ICE SHALL BE REMOVED TO LESS THAN 1 INCH THICKNESS PRIOR TO STABILIZATION.
- CONSTRUCTION VEHICLE TRAFFIC IS ANTICIPATED (E.G., AROUND THE PERIMETER OF A BUILDING, WHERE APPLICABLE) 11. TO ENSURE COVER OF DISTURBED SOIL IN ADVANCE OF A MELT EVENT, AREAS OF DISTURBED SOIL MUST BE STABILIZED AT THE END

OF EACH WORK DAY, WITH THE FOLLOWING EXCEPTIONS:

10. A 10 TO 20-FOOT WIDE STONE PAD SHALL BE USED IN AREAS WHERE

- a. IF NO PRECIPITATION WITHIN 24 HOURS IS FORECAST AND WORK WILL RESUME IN THE SAME DISTURBED AREA WITHIN 24 HOURS,
- DAILY STABILIZATION IS NOT NECESSARY. b. DISTURBED AREAS THAT COLLECT AND RETAIN RUNOFF, SUCH AS HOUSE FOUNDATIONS OR OPEN UTILITY TRENCHES.

9. STABILIZE SOIL AT FINAL GRADE

STABILIZING THE SITE WITH SEED AND MULCH OR EROSION CONTROL MATTING WHEN IT REACHES FINAL GRADE IS THE BEST WAY TO PREVENT EROSION WHILE CONSTRUCTION CONTINUES.

WITHIN 48 HOURS OF FINAL GRADING, THE EXPOSED SOIL MUST BE SEEDED AND MULCHED OR COVERED WITH EROSION CONTROL MATTING.

HOW TO COMPLY:

BRING THE SITE OR SECTIONS OF THE SITE TO FINAL GRADE AS SOON AS POSSIBLE AFTER CONSTRUCTION IS COMPLETED. THIS WILL REDUCE THE NEED FOR ADDITIONAL SEDIMENT AND EROSION CONTROL MEASURES AND WILL REDUCE THE TOTAL DISTURBED AREA. FOR SEEDING AND MULCHING RATES, FOLLOW THE SPECIFICATIONS UNDER SECTION 8, STABILIZING EXPOSED SOIL.

10. DEWATERING ACTIVITIES

TREAT WATER PUMPED FROM DEWATERING ACTIVITIES SO THAT IT IS CLEAR WHEN LEAVING THE CONSTRUCTION SITE.

REQUIREMENTS: WATER FROM DEWATERING ACTIVITIES THAT FLOWS OFF OF THE

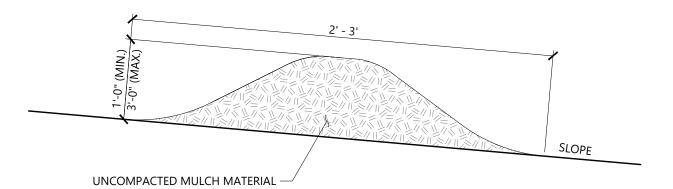
CONSTRUCTION SITE MUST BE CLEAR. WATER MUST NOT BE PUMPED INTO STORM SEWERS, LAKES, OR WETLANDS UNLESS THE WATER IS

USING SOCK FILTERS OR SEDIMENT FILTER BAGS ON DEWATERING DISCHARGE HOSES OR PIPES, DISCHARGE WATER INTO SILT FENCE ENCLOSURES INSTALLED IN VEGETATED AREAS AWAY FROM WATERWAYS. REMOVE ACCUMULATED SEDIMENT AFTER THE WATER HAS DISPERSED AND STABILIZE THE AREA WITH SEED AND MULCH.

PERFORM SITE INSPECTIONS TO ENSURE THAT ALL SEDIMENT AND EROSION CONTROL PRACTICES ARE FUNCTIONING PROPERLY. REGULAR INSPECTIONS AND MAINTENANCE OF PRACTICES WILL HELP TO REDUCE COSTS AND PROTECT WATER QUALITY.

INSPECT THE SITE AT LEAST ONCE EVERY 7 DAYS AND AFTER EVERY RAINFALL OR SNOW MELT THAT RESULTS IN A DISCHARGE FROM THE SITE. PERFORM MAINTENANCE TO ENSURE THAT PRACTICES ARE FUNCTIONING ACCORDING TO THE SPECIFICATIONS OUTLINED IN THIS

IN THE EVENT OF A NOTICEABLE SEDIMENT DISCHARGE FROM THE CONSTRUCTION SITE, YOU MUST TAKE IMMEDIATE ACTION TO INSPECT AND MAINTAIN EXISTING EROSION PREVENTION AND SEDIMENT CONTROL PRACTICES. ANY VISIBLY DISCOLORED STORM WATER RUNOFF TO WATERS OF THE STATE MUST BE REPORTED AS INDICATED BY THE CONDITIONS OF THE PERMIT.



<u>hort Solar Pollinator Seed N</u>

Latin Name

Chamaecrista fasciculata

Eragrostis spectabilis

Oenothera perennis

Ernst Conservation Seeds, Inc.

GENERAL IMPLEMENTATION NOTES:

ROOT ZONE OF EACH PLANT.

GENERAL SEEDING AND MAINTENANCE NOTES:

INSTALLATION.

AUGUST).

FACILITY MAINTENANCE STAFF AT THAT TIME.

CUSTOM SHORT SOLAR POLLINATOR SEED MIX - SEEDING NOTES:

Meadville, PA 16335-9275

8884 Mercer Pike

www.ernstseed.com

814-336-2404

Diachanthlium acuminatum

- 1. THE TEMPORARY MULCH BERM SHALL BE PLACED UNCOMPACTED IN A WINDROW AT LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER
- 2. WINDROWS SHALL RUN PARALLEL TO THE BASE OF THE SLOPE, OR AROUND THE PERIMETER OF AFFECTED AREAS. ALONG TALL AND/OR STEEP SLOPES MULTIPLE WINDROWS MAY BE REQUIRED TO
- 3. MULCH BERMS SHALL NOT BE USED IN ANY RUNOFF CHANNELS OR AREAS OF CONCENTRATED FLOW.
- 4. WOOD MULCH SHALL CONSIST OF TREE AND SHRUB DEBRIS RESULTING FROM CLEARING AND GRUBBING AND SHALL BE GROUND BY MECHANICAL MEANS SUCH AS A CHIPPER, HAMMERMILL, TUB GRINDER OR OTHER METHOD APPROVED BY THE ENGINEER. MULCH SIZING VARIES BUT SHALL NOT EXCEED A WIDTH OF 2" OR LENGTH OF 10".

Temporary Mulch Berm		11/1:
N.T.S.	Source: VHB	LD

Common Name

Partridge Pea

Purple Lovegrass

Tapered Rosette Grass

Small Sundrops

1. CONTRACTOR SHALL PROVIDE COMPLETE MAINTENANCE OF THE SEEDED AREAS AND PLANTINGS. NO

WATERING SHALL BE REQUIRED DURING THE GROWING SEASONS, WHEN NATURAL RAINFALL IS BELOW ONE INCH PER WEEK (AS REPORTED BY THE NATIONAL WEATHER SERVICE FOR BENNINGTON.

4. WATER SHALL BE APPLIED IN SUFFICIENT QUANTITY TO THOROUGHLY SATURATE THE SOIL IN THE

5. ONCE MINIMUM COVER IS ESTABLISHED, THE CONTRACTOR SHALL TURN OVER MAINTENANCE TO THE

APPLY THE SHORT SOLAR POLLINATOR SEED MIX AT 3 LB./ACRE WITH 30 LB./ACRE OF A NURSE CROP.

APPROXIMATELY 38.4% WILDFLOWERS AND 61.6% GRASSES. (FOR AREAS OF LESS THAN 3:1 SLOPE).

2. THE SHORT POLLINATOR SEED MIX SHALL BE APPLIED IN AND AROUND THE SOLAR ARRAYS, DESIGNED

3. HAYING, OTHER "MASS MOWING" WILL NOT OCCUR DURING BIRD NESTING SEASON (APRIL THROUGH

(LATE-OCTOBER-NOVEMBER) HIGH MOW (TO A HEIGHT OF 8-10") THE POLLINATOR AREAS.

POST-ESTABLISHMENT MAINTENANCE (AFTER YEAR 5, FOR THE DURATION OF THE PROJECT):

YEARS 4 AND 5 MAINTENANCE (FOLLOWING SEEDING): MAINTENANCE MOWING WILL CONSIST OF

YEARS 2 AND 3 MAINTENANCE (FOLLOWING SEEDING): OUTSIDE OF FLOWERING SEASON (NOVEMBER THROUGH MARCH) HIGH-MOW THE POLLINATOR AREAS (>5" HEIGHT).

4. CONTRACTOR SHALL ESTABLISH AND MAINTAIN (DURING MAINTENANCE PERIOD AND PRIOR TO

4.1. YEAR 1 MAINTENANCE (YEAR OF SEEDING): AT THE END OF THE GROWING SEASON

DECEMBER). THIS MIX HAS APPROXIMATELY 433,000 SEEDS/LB. AND BY SEED COUNT IS

2. ACTUAL PERCENTAGES OF SPECIES SUBJECT TO CHANGE BASED ON AVAILABILITY AT TIME OF

FOR A NURSE CROP USE EITHER GRAIN OATS (1 JANUARY TO 31 JULY) OR GRAIN RYE (1 AUGUST TO 31

FOR NEW SEEDED AREAS AND PLANTINGS UNTIL MINIMUM COVER IS ESTABLISHED.

VT; HTTPS://WWW.WEATHER.GOVE/WRH/CLIMATE?WFO=ALY).

TO GROW TO A MAXIMUM HEIGHT OF THREE (3) FEET OR LESS.

1. ALL SPECIES SHALL BE FROM NEARBY REGIONAL LOCATION(S).

ACCEPTANCE) CUSTOM SEED MIX AREAS AS FOLLOWS:

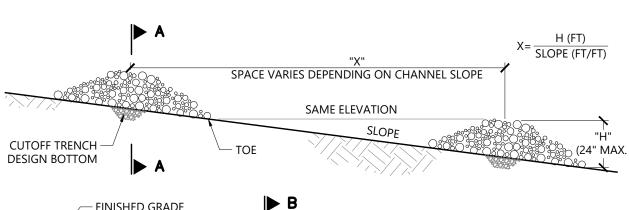
A HIGH MOWING (5"+) AFTER OCTOBER 15TH.

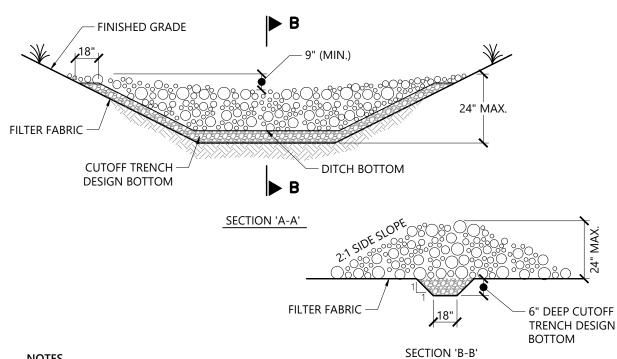
EVERY 2 OR 3 YEARS MOW HIGH (5"+) AFTER OCTOBER 15TH.

2. CONTRACTOR SHALL PROVIDE ALL MATERIALS, LABOR, AND EQUIPMENT FOR THE COMPLETE

LANDSCAPE MAINTENANCE WORK. WATER SHALL BE PROVIDED BY THE CONTRACTOR.

IRRIGATION IS PROPOSED FOR THIS SITE. THE CONTRACTOR SHALL SUPPLY SUPPLEMENTAL WATERING





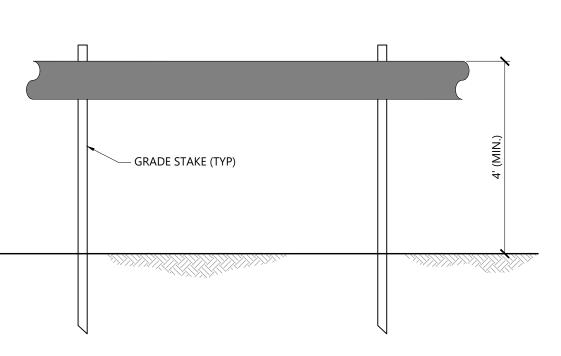
- 1. STONE WILL BE PLACED ON A FILTER FABRIC FOUNDATION TO THE LINES, GRADES AND LOCATIONS SHOWN IN THE PLAN USING A WELL GRADED STONE MATRIX 2 TO 9 INCHES IN SIZE.
- 2. SET SPACING OF CHECK DAMS TO ASSUME THAT THE ELEVATIONS OF THE CREST OF THE DOWNSTREAM DAM IS AT THE SAME ELEVATION OF THE TOE OF THE UPSTREAM DAM.
- 4. PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION

3. EXTEND THE STONE A MINIMUM OF 1.5 FEET BEYOND THE DITCH BANKS TO PREVENT CUTTING

- 5. ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAMS ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONE.
- 6. MAXIMUM DRAINAGE AREA ABOVE CHECK DAM SHALL NOT EXCEED 2 AC.

WITH STONE OR LINER AS APPROPRIATE.

Stone Check Dam		08/16
N.T.S.	Source: VHB	LD_VT



<u>NOTES</u>

Bloom Period

Summer - Fall

Summer - Fall

- 1. BARRIER MESH TAPE SHALL BE INSTALLED ALONG THE PERIMETER OF THE PROJECT AREA TO DEMARCATE THE LIMIT OF DISTURBANCE. NO EARTHWORK OR STORAGE OF MATERIALS SHALL BE CONDUCTED
- 2. USE 3" ORANGE BARRIER MESH TAPE.

OR ADVISABLE.

3. WITHIN 50' OF WATER RESOURCE AREAS (E.G. WETLANDS), USE ORANGE PLASTIC CONSTRUCTION FENCING.

4. TAPE MAY BE FASTENED TO STAKES, TREES, OR OTHER APPROPRIATE

BEYOND THIS LIMIT WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

FIXED OBJECTS. 5. PROJECT DEMARCATION SHALL NOT CROSS ACTIVE ACCESS ROUTES (E.G. ROADS). PROJECT DEMARCATION MAY CROSS RESOURCES AREAS

WITH EXCEPTION OF LARGER WATER BODIES WHERE IT IS NOT FEASIBLE

6. PROJECT DEMARCATION SHALL REMAIN IN PLACE AND BE MAINTAINED/REPLACED AS NEEDED UNTIL FINAL STABILIZATION IN THE AREA HAS BEEN ACHIEVED.

Project Dema	rcation	08/16
N.T.S.	Source: VHB	REV LD VT



Shaftsbury, VT 05262

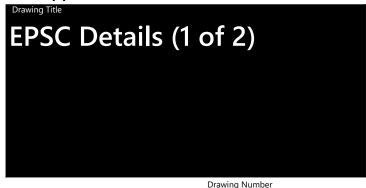
Building 100 Suite 200

802.497.6100

South Burlington, VT 05403

ZJD April 24, 2023 Permitting

Not Approved for Construction

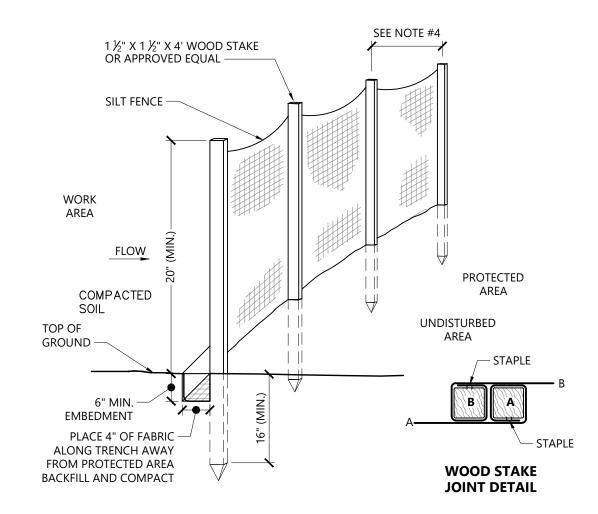


CROSS-SECTION

- 1. AGGREGATE SIZE: USE A MATRIX OF 1 TO 4 INCH STONE, OR RECLAIMED OR RECYCLED CONCRETE
- 2. LENGTH: NOT LESS THAN 40 FEET (OR LENGTH OF DRIVEWAY FOR RESIDENTIAL PROJECTS, IF SHORTER)
- 3. THICKNESS: NOT LESS THAN EIGHT (8) INCHES
- 4. WIDTH: TWELVE (12) FOOT MINIMUM, FLARED AT ROAD FOR VEHICLE TURNING
- 5. GEOTEXTILE MUST BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE
- 6. ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION EXITS SHALL BE PIPED BENEATH THE EXIT. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE
- 7. THE EXIT 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 ACCORDING TO PERMIT REQUIREMENTS.

Stabilized Construction Entrance

REV LD_682-VT Source: VHB

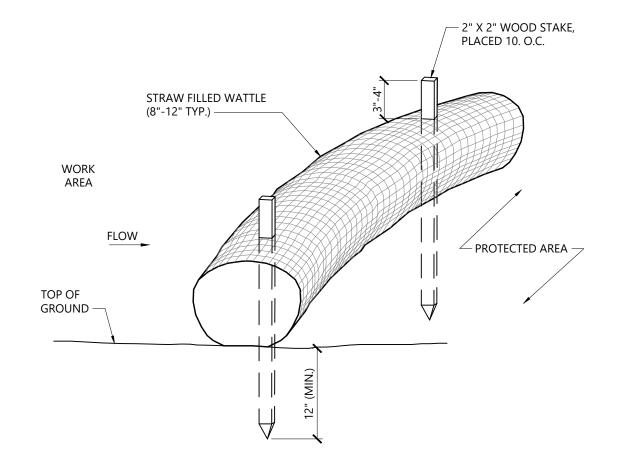


11/20

- 1. WOVEN WIRE FENCE REINFORCEMENT IS REQUIRED WITHIN 100 FT UPSLOPE OF RECEIVING WATERS.
- 2. WHERE REQUIRED FENCE SHALL BE WOVEN WIRE, MIN. 14 GAUGE WITH A 6" MESH OPENING SHALL BE
- 3. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N OR APPROVED EQUIVALENT.
- 4. POST SPACING FOR WIRE BACKED FENCE SHALL BE 10 FT. MAX. FOR FILTER CLOTH FENCE WHEN ELONGATION IS >50%, POST SPACING SHALL NOT EXCEED 4 FT. FOR FILTER CLOTH FENCE WHEN ELONGATION IS <50%, POST SPACING SHALL NOT EXCEED 6 FT.
- 5. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY 6 INCHES
- 6. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE OR APPROVED EQUIVALENT.
- 7. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN SEDIMENT REACHES
- 8. SILT FENCE SHALL NOT BE USED TO DEMARCATE LIMITS OF DISTURBANCE.

Silt Fence/ Reinforced Silt Fence Barrier

REVLD_650-VT

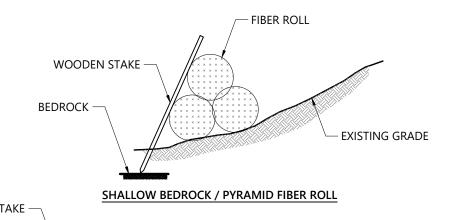


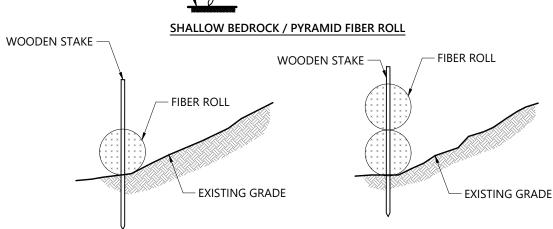
08/16

- 1. STRAW WATTLE SHALL BE AS MANUFACTURED BY EARTHSAVER OR APPROVED EQUAL.
- 2. STRAW WATTLES SHALL OVERLAP A MINIMUM OF 12 INCHES.
- STRAW WATTLE SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS, AND REPAIR OR REPLACEMENT SHALL BE PERFORMED PROMPTLY
- TEMPORARY STRAW WATTLES TO BE REMOVED BY CONTRACTOR. ALL OTHERS TO REMAIN IN PLACE UNLESS DIRECTED OTHERWISE BY ENGINEER.
- 5. IF NON BIODEGRADABLE NETTING IS USED THE NETTING SHALL BE COLLECTED AND DISPOSED OF OFFSITE.

Straw Wattle - Erosion Control Barrier

N.T.S. Source: VHB LD_659





— EXISTING GRADE

STACKED STAKED FIBER ROLL

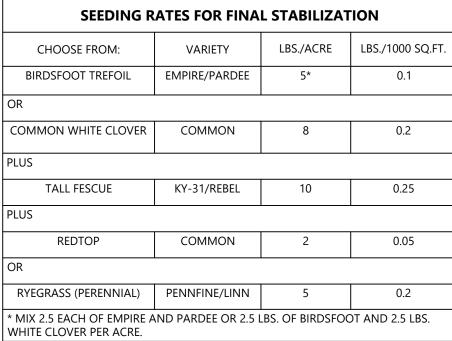
1/16

- 1. FIBER ROLL SHALL BE PLACED IN SHALLOW TRENCH UP TO 4", WHERE FEASIBLE, PLACING SOIL REMOVED FROM TRENCH BEHIND THE ROLL.
- 2. FIBER ROLLS SHALL BE ANCHORED WITH 2" BY 2" WOODEN STAKES (36" LONG), OR SIMILAR, WHERE FEASIBLE, EITHER INSTALLED THROUGH CENTER OF ROLL (AS SHOWN) OR PLACED ON BOTH SIDES
- 3. STAKES TO BE PLACED 4 FT APART, MINIMUM.

SINGLE STAKED FIBER ROLL

- 4. SINGLE OR DOUBLE STACKED STAKED FIBER ROLLS TO BE INSTALLED WHERE SOIL DEPTH ALLOWS. WHERE SHALLOW TO BEDROCK, PYRAMID FIBER ROLLS TO BE UTILIZED WITH STAKES, AS FEASIBLE.
- 5. FIBER ROLLS TO BE REPLACED OR REPLENISHED AS NEEDED DURING ACTIVE EARTH WORK.
- 6. PERIMETER CONTROLS SHALL NOT CROSS ACTIVE ACCESS ROUTES (E.G., ROADS) OR ACTIVE FLOW PATHS (E.G., STREAMS/RIVERS).
- 7. PERIMETER CONTROLS SHALL REMAIN IN PLACE AND BE MAINTAINED/REPLACED AS NEEDED UNTIL FINAL STABILIZATION IN AREA HAS BEEN ACHIEVED.

Staked Fiber Roll		08/16
N.T.S.	Source: VHB	LD_VT

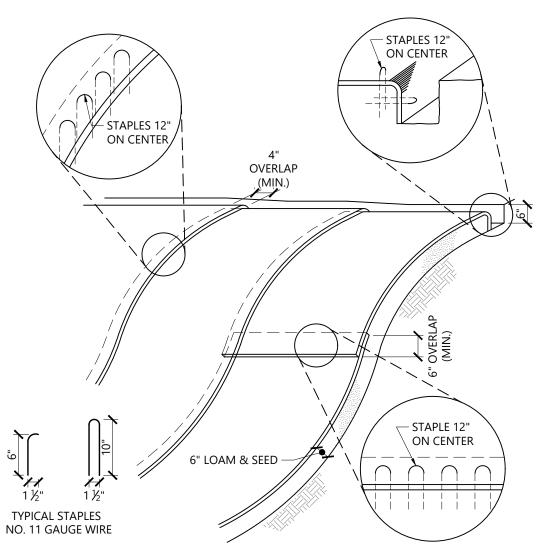


FINAL STABILIZATION SEEDING MUST BE COMPLETED BY SEPTEMBER 15. USE WINTER RYE FOR DORMANT SEEDING BETWEEN SEPTEMBER 15 AND APRIL 15. RESEED WITH FINAL STABILIZATION MIX AS NECESSARY AFTER APRIL 15.

MULCH MATERIAL	QUALITY STANDARDS	PER 1,000 SQ-FT	PER ACRE	DEPTH OF APPLICATION
WOOD CHIPS OR SHAVINGS	AIR DRIED, FREE OF OBJECTIONABLE MATERIAL	500 - 900 LBS	10 - 20 TONS	2" - 7"
WOOD FIBER CELLULOSE (PARTIALLY DIGESTED WOOD FIBERS)	MADE FROM NATURAL WOOD USUALLY WITH GREEN DYE AND DISPERSING AGENT	50 LBS	2,000 LBS	N/A
GRAVEL, CRUSHED STONE OR SLAG	WASHED; SIZE 2B OR 3A – 1 1/2"	9 CY	405 CY	3"
HAY OR STRAW	AIR-DRIED; FREE OF UNDESIRABLE SEEDS AND COARSE MATERIALS	90 - 100 LBS, 2-3 BALES	2 TONS (100–120 BALES)	COVER ABOUT 90 SURFACE
COMPOST	UP TO 3" PIECES, MODERATELY TO HIGHLY STABLE	3 - 9 CY	134-402 CY	1-3"
Erosion Control Mix	WELL-GRADED MIXTURE OF PARTICLE SIZES. ORGANIC CONTENT BETWEEN 80-100% DRY WEIGHT. PARTICLE SIZE SHALL PASS 6" SCREEN (100%)	*Slopes 3(Hz.):1(Vert.) = 2 inch depth plus additional 1/2 inch depth per 20 ft. of slope up to 100 ft. **Slopes between 3(Hz.):1(Vert.) and 2(Hz.):1(Vert.) = 4 inch depth plus addition 1/2 inch per 20 ft. of slope up to 100 ft. ***Slopes steeper than 2(Hz.):1(Vert.) applicability to specific site and mulch depth to be reviewed and approved prior to use by OPSC or EPSC Specialist		

- 1. APPLY TACKIFIER AS NEEDED TO MINIMIZE POTENTIAL FOR MULCH TO
- 2. MULCH MUST NOT CONTAIN INVASIVE PLANT SPECIES. (SEEDS OR SEEDLINGS)
- 3. TACKIFIER MAY BE WATER, NETTING, OR SIMILAR.
- 4. OTHER THAN EROSION CONTROL MIX, MULCH IS NOT TO BE INSTALLED ON SLOPES > 3:1.

Mulching Notes and Specifications		08/16
N.T.S.	Source: VHB	LD VT

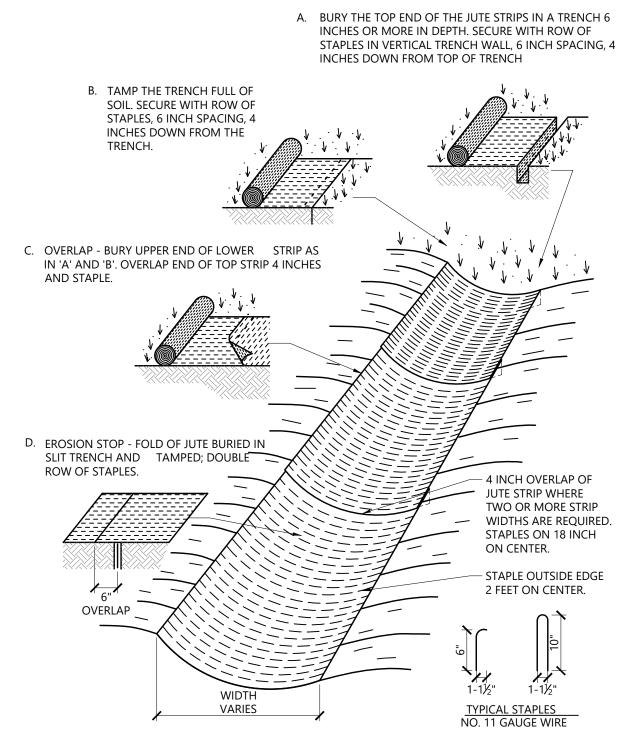


NOTES

- 1. BEGIN AT THE TOP OF BLANKET INSTALLATION AREA BY ANCHORING BLANKET IN A 6" DEEP TRENCH BACKFILL AND COMPACT TRENCH AFTER STAPLING.
- . ROLL THE BLANKET DOWN THE SWALE IN THE DIRECTION OF THE WATER FLOW.
- 3. THE EDGES OF BLANKETS MUST BE STAPLED WITH APPROX. 4 INCH OVERLAP WHERE 2 OR MORE STRIP WIDTHS ARE REQUIRED. 4. WHEN BLANKETS MUST BE SPLICED DOWN THE SWALE, PLACE UPPER BLANKET END
- OVER LOWER END WITH 6 INCH (MIN.) OVERLAP AND STAPLE BOTH TOGETHER. 5. METHOD OF INSTALLATION AND STAPLE PATTERN SHALL BE AS PER MANUFACTURER'S RECOMMENDATIONS. STAPLES SHOWN ON THIS DETAIL IS IN ADDITION TO THE STAPLE
- 6. EROSION CONTROL BLANKETS SHALL BE USED IN ALL AREAS WHERE SLOPES EXCEED 4:1. 7. PROVIDE AN EROSION CONTROL BLANKET THAT MEETS VTRANS STANDARD CONSTRUCTION SPECIFICATIONS FOR A 2:1 SLOPE.

PATTERN REQUIRED BY THE MANUFACTURER.

Erosion Control Blanket Slope Installation 1/16 Source: VHB LD_680



Erosion Control Blanket Swale Installation 1/16 N.T.S. Source: VHB LD_681

* INSTALLATION SHALL BE AS PER MANUFACTURER'S RECOMMENDATIONS

Shaftsbury Solar **VT Real Estate Holdings 1 LLC**

1004 Holy Smoke Road

	Shaftsbury, VT 05262		
No.	Revision	Date	Appv
Desigr	ZJD	Checked by	SMW
Issued	for	Date	
Pe	rmitting	April 24	4, 202

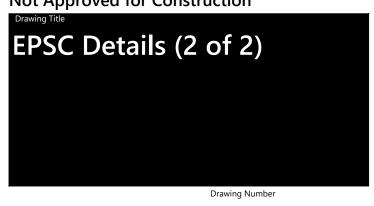
40 IDX Dr

802.497.6100

Building 100 Suite 200

South Burlington, VT 05403

Not Approved for Construction

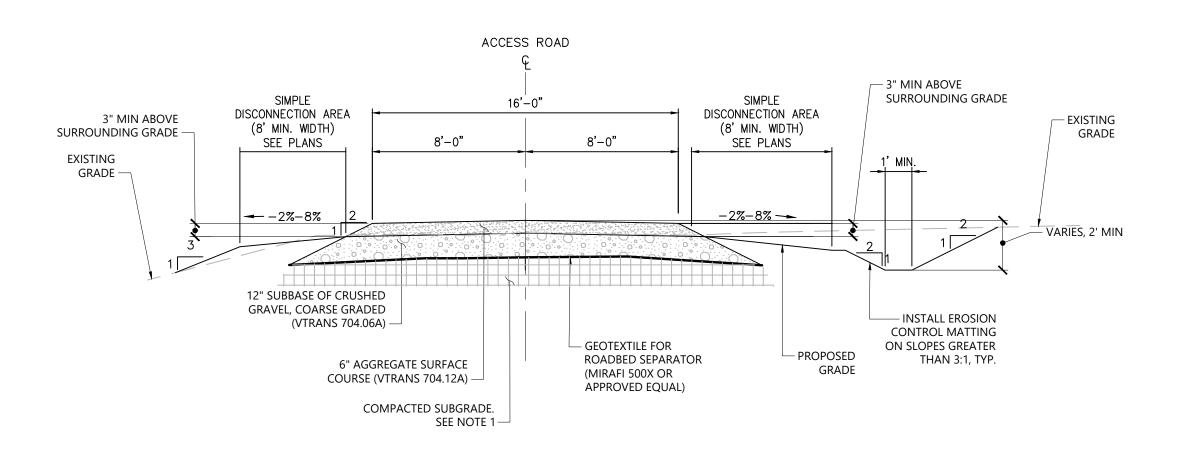


40 IDX Dr

802.497.6100

Building 100 Suite 200

South Burlington, VT 05403



1. COMPACTED SUBGRADE SHALL COMPLY WITH THE STANDARDS OUTLINED IN THE EARTHWORK SECTION OF THE GEOTECHNICAL REPORT. ROADWAY SUBGRADES SHOULD BE PROOFROLLED TO AID IN THE IDENTIFICATION OF WEAK OR UNSTABLE AREAS WITHIN THE NEAR SURFACE SOILS. PROOF-ROLLING SHOULD BE PERFORMED WITH AN ADEQUATELY LOADED VEHICLE SUCH AS A FULLY-LOADED TANDEM-AXLE DUMP TRUCK. THE PROOF-ROLLING SHOULD BE PERFORMED UNDER THE DIRECTION OF THE GEOTECHNICAL ENGINEER. AREAS EXCESSIVELY DEFLECTING UNDER THE PROOFROLL SHOULD BE DELINEATED AND SUBSEQUENTLY ADDRESSED BY THE GEOTECHNICAL ENGINEER.

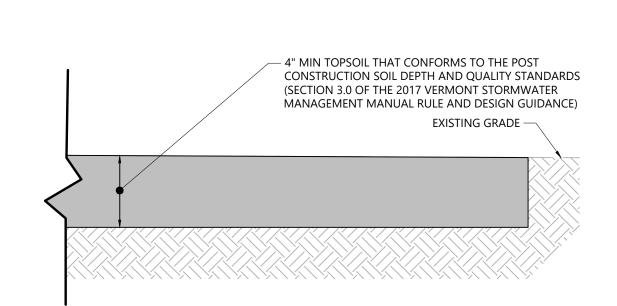
Typical Proposed Access Road Section With Simple Disconnection

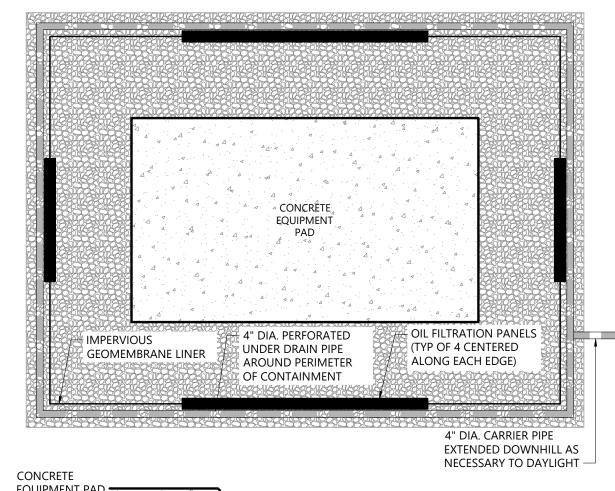
N.T.S. Source: VHB

— 3" MIN ABOVE SURROUNDING GRADE 16'-0" 3" MIN ABOVE SURROUNDING GRADE – – EXISTING GRADE GRADE -- VARIES, 2' MIN 12" SUBBASE OF CRUSHED - INSTALL EROSION GRAVEL, COARSE GRADED CONTROL MATTING
ON SLOPES GREATER (VTRANS 704.06A) -- GEOTEXTILE FOR ROADBED SEPARATOR 6" AGGREGATE SURFACE (MIRAFI 500X OR COURSE (VTRANS 704.12A) — APPROVED EQUAL) COMPACTED SUBGRADE. SEE NOTE 1-

1. COMPACTED SUBGRADE SHALL COMPLY WITH THE STANDARDS OUTLINED IN THE EARTHWORK SECTION OF THE GEOTECHNICAL REPORT. ROADWAY SUBGRADES SHOULD BE PROOFROLLED TO AID IN THE IDENTIFICATION OF WEAK OR UNSTABLE AREAS WITHIN THE NEAR SURFACE SOILS. PROOF-ROLLING SHOULD BE PERFORMED WITH AN ADEQUATELY LOADED VEHICLE SUCH AS A FULLY-LOADED TANDEM-AXLE DUMP TRUCK. THE PROOF-ROLLING SHOULD BE PERFORMED UNDER THE DIRECTION OF THE GEOTECHNICAL ENGINEER. AREAS EXCESSIVELY DEFLECTING UNDER THE PROOFROLL SHOULD BE DELINEATED AND SUBSEQUENTLY ADDRESSED BY THE GEOTECHNICAL ENGINEER.

Typical Proposed Access Road Section 11/17 LD_{-} Source: VHB

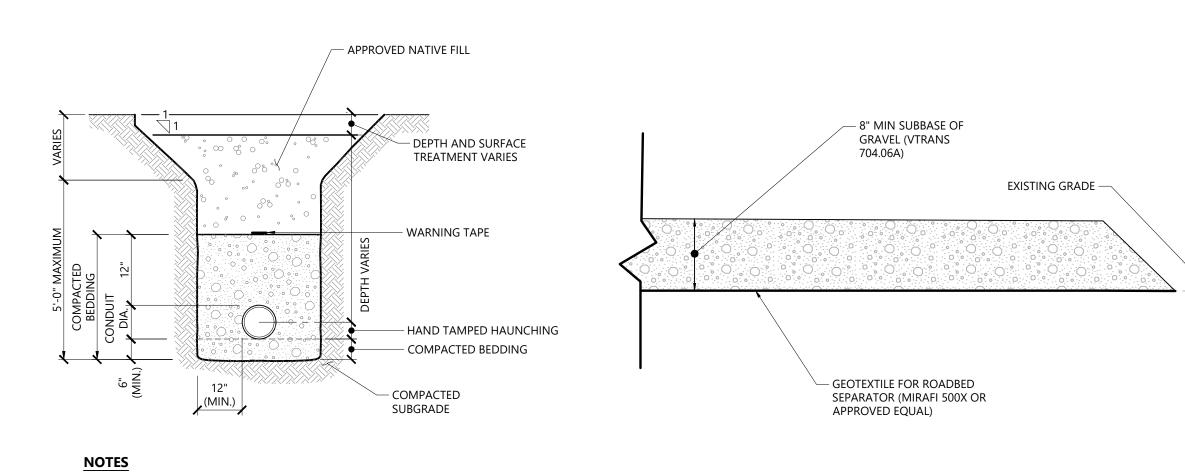




CONCRETE EQUIPMENT PAD (DESIGNED BY CRUSHED GRAVEL SUBBASE VAOT ITEM 704.05A (DESIGNED BY OTHERS) — 1½" CRUSHED STONE VAOT COMPACTED ITEM 704.02C SUBGRADE OR (DESIGNED BY UNDISTURBED OTHERS) — NATIVE MATERIAL -<u>NOTES</u>

- SECONDARY CONTAINMENT SYSTEM TO BE SIZED TO PROVIDE STORAGE VOLUME FOR 110% OF THE EQUIPMENT OIL VOLUME WITH FREEBOARD FOR 5" OF RAIN.
- ALTERNATIVE CONFIGURATIONS FOR SECONDARY CONTAINMENT THAT PROVIDE AN EQUIVALENT
- AMOUNT OF STORAGE/PROTECTION MAY BE SUBMITTED TO THE ENGINEER FOR REVIEW.

Simple Disconnection Area		5/17	Secondary C	Oil Containment	11
N.T.S.	Source: VHB	LD_	N.T.S.	Source: VHB	



Utility Trench LD_300 Source: VHB

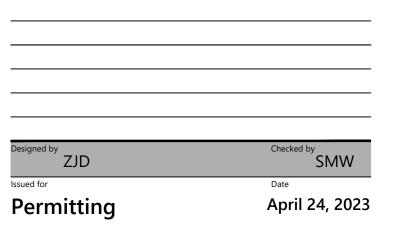
USE METALLIC TRACING/WARNING TAPE, OR OTHER EXCAVATION WARNING METHOD AS REQUIRED BY APPLICABLE

CODES AND REGULATIONS, OVER ALL PIPES.

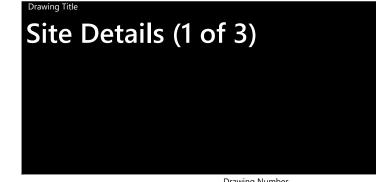
Typical Staging Area Section 5/17

Shaftsbury Solar VT Real Estate Holdings 1 LLC

1004 Holy Smoke Road Shaftsbury, VT 05262



Not Approved for Construction



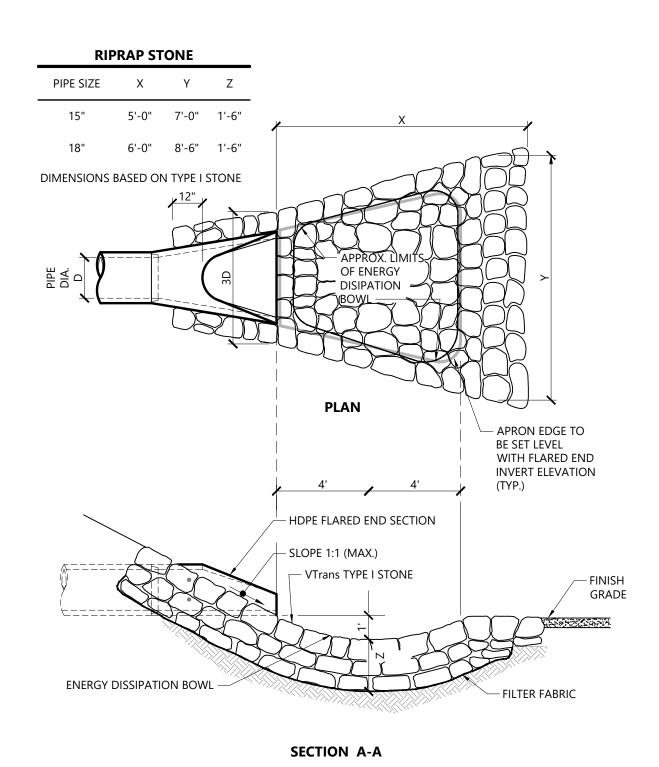
59

1. POSTS SHALL BE SPACED AS SHOWN ON THE PLANS, AND MAXIMUM SPACING IS 10 FEET CENTER-TO-CENTER. POSTS SHALL BE OF SUFFICIENT LENGTH TO PROVIDE 48 INCH SETTING IN CONCRETE FOOTINGS.

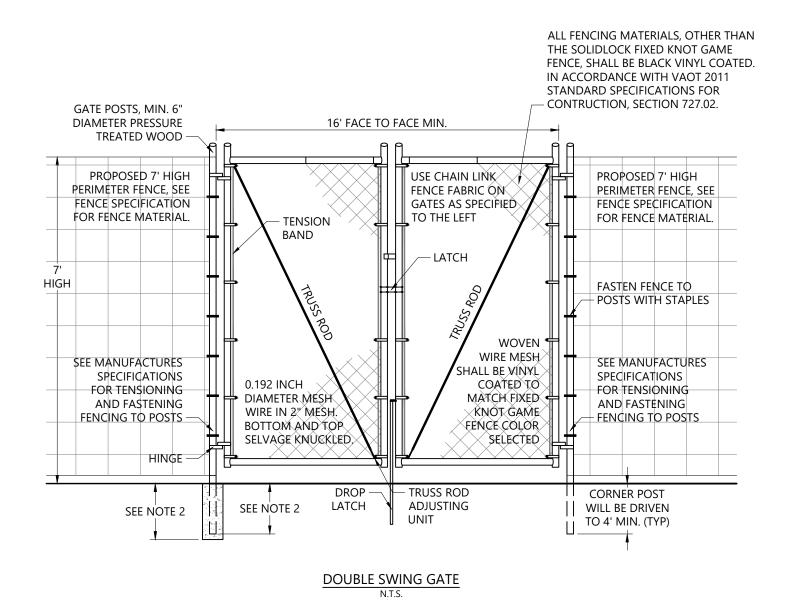
Substation Fence Gate Plate Mounting Detail 11/14 Source: GREEN MOUNTAIN POWER LD_ N.T.S.

- AGGREGATE SURFACE COURSE - SUBBASE OF GRAVEL - GRANULAR BORROW OR SUITABLE EXISTING MATERIAL - VARIES — GRANULAR BACKFILL FOR STRUCTURES - PROPOSED CULVERT UNDISTURBED EARTH **SECTION A-A** NOT TO SCALE - FLARED END SECTION (FES) WITH STONE PROTECTION, SEE DETAIL THIS SHEET CULVERT INLET **EXISTING** GRADE -

Culvert Installation Detail 09/19 Source: VHB



Flared End Section (FES) with Stone Protection 3/19 Source: VHB LD_134

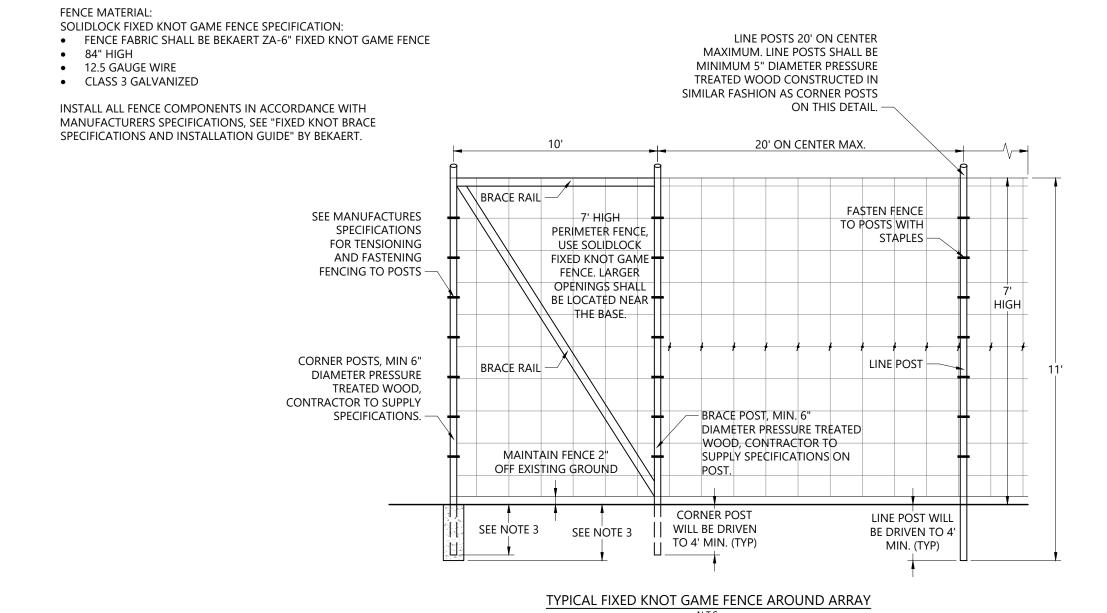


N.T.S.

- PAINT ALL GALVANIZED PIPE AND FITTINGS TO MATCH SOLIDLOCK FIXED KNOT GAME FENCE. PAINT SHALL BE
- 2. CONCRETE EMBEDMENT SHALL ONLY BE USED IN POST

Fixed Knot Game Fence and Gate

SUITABLE FOR USE ON GALVANIZED SURFACES. WHEN DRIVEN POST EMBEDMENT IS LESS THAN 4' DEPTH



NOTES

- 1. ADDITIONAL BRACING MAY BE REQUIRED ON LONGER FENCE RUNS. CONTRACTOR TO ADD ADDITIONAL BRACING WHEN CONTRACTOR OBSERVES CORNER POST DEFLECTION DURING FENCE TENSIONING/FASTENING.
- FABRIC TO BE FASTENED TO POSTS WITH STAPLES APPROVED BY THE ENGINEER. CONCRETE EMBEDMENT SHALL ONLY BE USED IN POST WHEN DRIVEN POST

EMBEDMENT IS LESS THAN 4' DEPTH.

Source: VHB

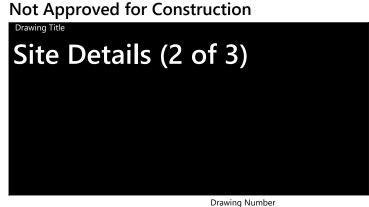
12/21

40 IDX Dr Building 100 Suite 200 South Burlington, VT 05403 802.497.6100

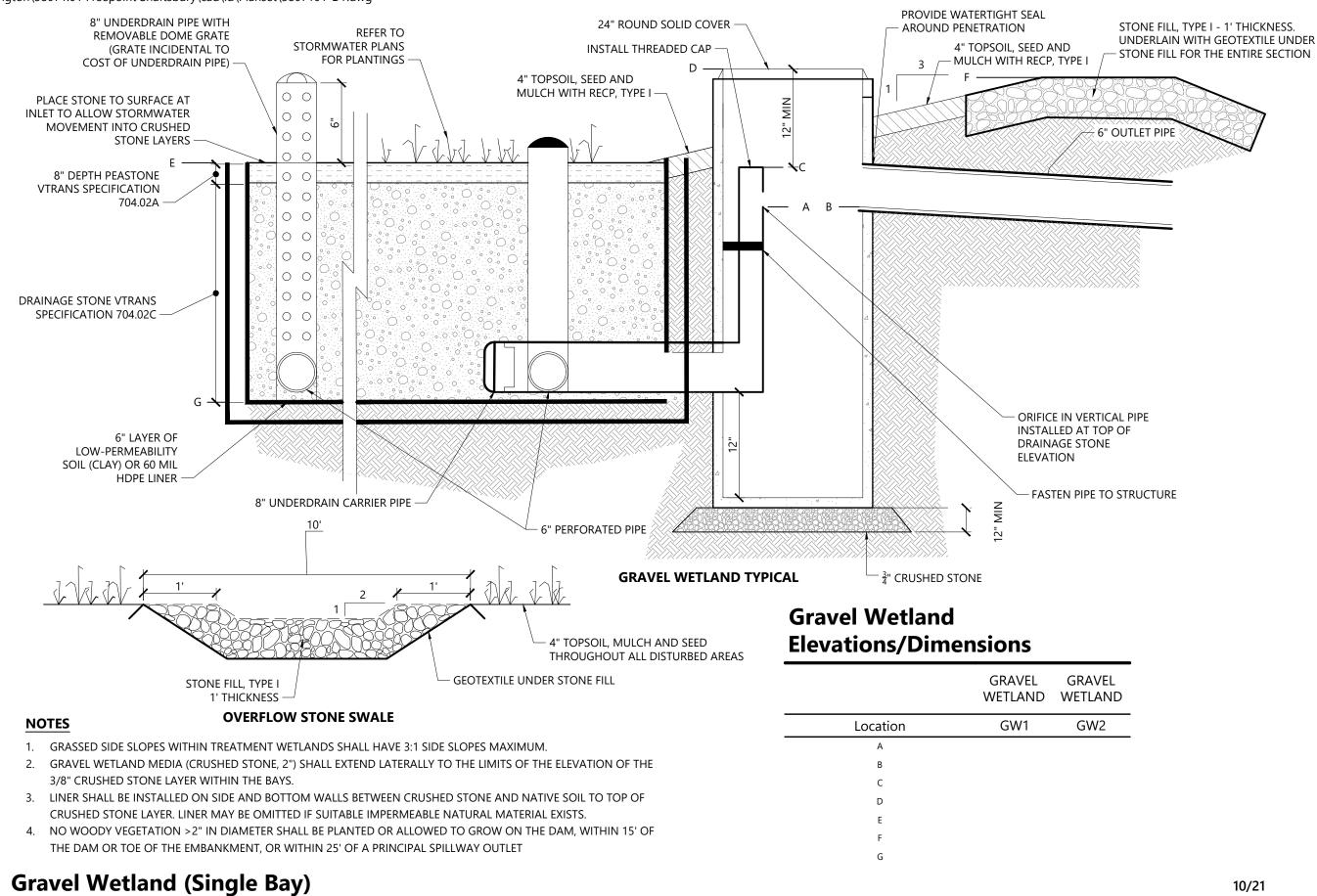
Shaftsbury Solar VT Real Estate Holdings 1 LLC

1004 Holy Smoke Road Shaftshury, VT 05262

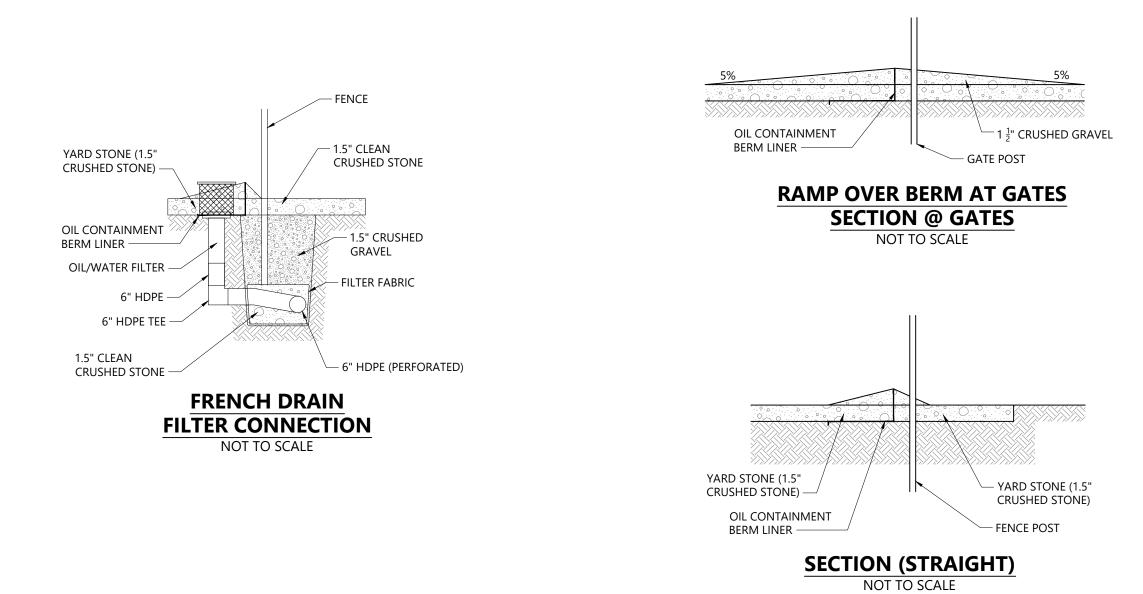
No. Revision	Date	Appvd
Designed by	Checked by	
ZJD		SMW
Issued for	Date	
Permitting	April 2	4, 2023
9	•	-



60



Source: VHB



Substation Oil Containment Details 11/14 Source: GREEN MOUNTAIN POWER LD_{-}

Supplemental Specifications:

3/8-INCH CRUSHED STONE (VTRANS 702.04A) SHALL BE COMPOSED OF DURABLE CRUSHED ROCK CONSISTING OF ANGULAR FRAGMENTS, FREE FROM DETRIMENTAL OUANTITY OF THIN, FLAT, ELONGATED PIECES. THE CRUSHED STONE SHALL BE FREE FROM CLAY, LOAM, OR DELETERIOUS MATERIALS. THE CRUSHED STONE SHALL CONFORM TO THE FOLLOWING GRADATION:

SIEVE SIZE	PERCENT PASSING BY WEIGHT
1/2 INCH	100
3/8 INCH	85-100
No. 4	10 - 30
No. 8	0 - 10
No. 16	0 - 5

1 1/2-INCH CRUSHED STONE (VTRANS 702.04C) SHALL BE COMPOSED OF DURABLE CRUSHED ROCK CONSISTING OF ANGULAR FRAGMENTS, FREE FROM DETRIMENTAL QUANTITY OF THIN, FLAT, ELONGATED PIECES. THE CRUSHED STONE SHALL BE FREE FROM CLAY, LOAM, OR DELETERIOUS MATERIALS. THE CRUSHED STONE SHALL CONFORM TO THE FOLLOWING GRADATION:

SIEVE SIZE	PERCENT PASSING BY WEIG
2 INCH	100
1 1/2 INCH	95 - 100
3/4 INCH	35 -70
3/8 INCH	10 - 30
No. 4	0 - 5

LD_VT

LOW PERMEABILITY SOIL SHALL BE A CLAY SOIL WITH MINIMUM 15% PASSING THE No. 200 SIEVE. SOIL SHALL BE PLACED AND COMPACTED IN A MANNER TO PROVIDE AN IN-SITU PERMEABILITY RATE OF NOT MORE THAN 1.0x10^-5 CM/SEC.

Quality Assurance:

THE OWNER SHALL DESIGNATE AN ENGINEER OR REPRESENTATIVE (WITH EXPERIENCE IN GRAVEL WETLAND DESIGN OR CONSTRUCTION) TO BE ON THE SITE DURING INSTALLATION OF THE GRAVEL WETLAND. THE REPRESENTATIVE SHALL OBSERVE WORK, INCLUDING EXCAVATION, SOIL PLACEMENT, EROSION CONTROL, FINAL GRADING AND PLANTING. THE REPRESENTATIVE WILL OBSERVE CONSTRUCTION MATERIALS, PLANT MATERIALS, SOILS, AND EROSION CONTROL MEASURES TO BE PLACED IN THIS AREA. THE ACTUAL LOCATIONS AND SPACING OF PLANTS MUST BE AS SHOWN ON THE PLANS OR AS INSTRUCTED BY THE REPRESENTATIVE.

PLANTING OPERATIONS SHALL BE PERFORMED BY EXPERIENCED PERSONNEL UNDER COMPETENT SUPERVISION. EDUCATION, EXPERIENCE AND CERTIFICATION OR LICENSE BY APPROPRIATE ORGANIZATION MAY BE REVIEWED TO EVALUATE COMPETENCE.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE OWNER OF THE START OF WORK REQUIRING OVERSIGHT BY THE ENGINEER/REPRESENTATIVE. THE CONTRACTOR SHALL CONTACT THE ENGINEER/REPRESENTATIVE AT LEAST 48 HOURS PRIOR TO REQUIRED INSPECTION. AT A MINIMUM THE WETLAND SHALL BE INSPECTED AT THE FOLLOWING STAGES OF CONSTRUCTION:

- 1. ENGINEER/REPRESENTATIVE INSPECTION AND ACCEPTANCE IS REQUIRED UPON ESTABLISHMENT OF SUBGRADE, PRIOR TO INSTALLATION OF LOW PERMEABILITY SOIL LINER.
- 2. ENGINEER/REPRESENTATIVE INSPECTION AND ACCEPTANCE IS REQUIRED AFTER INSTALLATION OF LOW PERMEABILITY SOIL LINER AND SUBDRAIN PIPING, PRIOR TO PLACEMENT OF CRUSHED STONE AND WETLAND SOIL.
- 3. INSPECTION AND ACCEPTANCE IS REQUIRED BY ENGINEER/REPRESENTATIVE AFTER PLACEMENT OF CRUSHED STONE, WETLAND SOIL, BERMS AND OVERFLOW WEIRS, PRIOR TO SEEDING AND PLANTING.
- 4. CONTRACTOR SHALL NOTIFY ENGINEER/REPRESENTATIVE ONCE PLANTING AND SEEDING OF WETLANDS IS COMPLETE AND STABILIZED. FOLLOWING FINAL STABILIZATION AND WITHIN 24 HOURS OF A RAIN STORM OF 0.5 INCH OR GREATER THE ENGINEER/REPRESENTATIVE SHALL INSPECT THE GRAVEL WETLAND FOR FINAL ACCEPTANCE.
- 5. INSPECTION AND ACCEPTANCES IS REQUIRED BY REPRESENTATIVE AFTER PLANTINGS ARE ESTABLISHED

ONCE FINAL ACCEPTANCE OF THE WETLANDS IS ISSUED IN WRITING THE GRAVEL WETLAND SHALL BE MAINTAINED BY THE OWNER OR OWNER'S DESIGNEE IN ACCORDANCE WITH A STORMWATER LONG TERM OPERATIONS AND MAINTENANCE PLAN.

40 IDX Dr Building 100 Suite 200 South Burlington, VT 05403

802.497.6100

Shaftsbury Solar VT Real Estate Holdings 1 LLC

1004 Holy Smoke Road Shaftsbury, VT 05262

Designed by	Checked by
ZJD	SMW
Issued for	Date
D ''	A
Permitting	April 24, 2023
	-

Not Approved for Construction



58071.01

THERE ARE THREE METHODS THAT MAY BE USED TO SATISFY THESE REQUIREMENTS. 1. AMEND EXISTING TOPSOIL IN PLACE a. SCARIFY OR TILL SUBSOILS TO 4 INCHES OF DEPTH OR TO THE DEPTH NEEDED TO ACHIEVE A TOTAL

DEPTH OF 8 INCHES OF UNCOMPACTED SOIL AFTER A CALCULATED AMOUNT OF AMENDMENT IS b. AMEND THE SOIL TO MEET THE ORGANIC CONTENT REQUIREMENTS. ORGANIC MATERIAL MAY BE PLACED AT A PRE-APPROVED RATE OF 1 INCH WITH AN ORGANIC MATTER CONTENT OF 40-65% AND ROTOTILLED INTO 3 INCHES OF TOPSOIL OR AT A CALCULATED RATE ROTOTILLED INTO A DEPTH OF

THESE REQUIREMENTS APPLY TO ALL DISTURBED AREAS WITHIN THE LIMITS OF THE SITE WHICH ARE NOT COVERED BY AN IMPERVIOUS SURFACE, INCORPORATED INTO A STRUCTURAL STORMWATER TREATMENT

PRACTICE, OR ENGINEERED AS STRUCTURAL FILL ONCE DEVELOPMENT IS COMPLETE AND HAVE FINISHED

APPROXIMATELY, HOWEVER ALL AREAS MEETING THE CRITERIA ABOVE SHALL MEET THESE REQUIREMENTS.

ANY AREAS WHICH ARE INCIDENTALLY DISTURBED OR COMPACTED DURING CONSTRUCTION SHALL ALSO BE SUBJECT TO THESE REQUIREMENTS. A DENSE AND VIGOROUS VEGETATIVE COVER SHALL BE ESTABLISHED

AS AN ALTERNATIVE TO LEAVING EXISTING TOPSOIL IN PLACE WITHOUT DISTURBING OR COMPACTING IT,

GRADE SLOPES LESS THAN 3:1. AREAS SUBJECT TO THIS REQUIREMENT HAVE BEEN DEPICTED

SOIL NEEDED TO ACHIEVE 4 INCHES OF SETTLED TOPSOIL AT 4% ORGANIC CONTENT. c. IF COMPOST IS USED, IT SHALL HAVE A C:N RATIO BELOW 25:1, AND SHALL MEET THE CONTAMINANT STANDARDS IN THE VERMONT SOLID WASTE MANAGEMENT RULE.

2. REMOVE AND STOCKPILE EXISTING TOPSOIL DURING GRADING

POST-CONSTRUCTION SOIL DEPTH AND QUALITY REQUIREMENTS

a. TOPSOIL SHOULD BE STOCKPILED ON SITE IN A CONTROLLED AREA AT LEAST 50 FEET FROM SURFACE WATERS, WETLANDS, FLOODPLAINS, OR OTHER CRITICAL RESOURCE AREAS. b. SCARIFY OR TILL SUBGRADE TO A DEPTH OF 4 INCHES. EXCEPT FOR WITHIN THE DRIP LINE OF EXISTING

TREES, THE ENTIRE SURFACE SHALL BE DISTURBED BY SCARIFICATION. c. STOCKPILED TOPSOIL SHALL ALSO BE AMENDED, IF NEEDED, TO MEET THE ORGANIC CONTENT

REQUIREMENTS IDENTIFIED ABOVE. d. REPLACE STOCKPILED TOPSOIL PRIOR TO PLANTING AND RAKE TO LEVEL, REMOVING ANY SURFACE ROCKS LARGER THAN 2 INCHES IN DIAMETER.

e. WATER OR ROLL SOILS IN TURF AREAS TO 85% OF MAXIMUM DRY DENSITY.

3. IMPORT TOPSOIL MIX OF SUFFICIENT ORGANIC CONTENT AND DEPTH

a. SCARIFY OR TILL SUBGRADE TO A DEPTH OF 4 INCHES. EXCEPT FOR WITHIN THE DRIP LINE OF EXISTING TREES, THE ENTIRE SURFACE SHALL BE DISTURBED BY SCARIFICATION.

b. PLACE 4 INCHES OF IMPORTED TOPSOIL MIX THAT CONTAINS 4% ORGANIC MATTER. SOILS USED IN THE MIX SHALL BE SAND OR SANDY LOAM AS DEFINED BY THE USDA

c. RAKE TO LEVEL, REMOVING ANY SURFACE ROCKS GREATER THAN 2 INCHES IN DIAMETER.

d. Water or roll soil in turf areas to 85% of maximum dry density.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING AND EXECUTING A PLAN FOR VERIFYING THAT THESE AREAS HAVE MET THIS STANDARD. THIS PLAN SHOULD INCLUDE A MINIMUM OF 9 TEST HOLES PER ACRE OF AREA SUBJECT TO THIS STANDARD. THESE TEST HOLES SHALL BE EXCAVATED TO 8 INCHES USING ONLY A SHOVEL DRIVEN SOLELY BY THE WEIGHT OF THE INSPECTOR AND SHALL BE A MINIMUM OF 50 FEET



40 IDX Dr Building 100 Suite 200 South Burlington, VT 05403 802.497.6100

Shaftsbury Solar VT Real Estate Holdings 1 LLC

1004 Holy Smoke Roa
1004 Holy Silloke Roa
Shaftsbury, VT 05262
SHARSDULY, VI USEUE

Date April 24, 2023

Not Approved for Construction

Cross Section Key

C8.00

Sheet of **62 66**

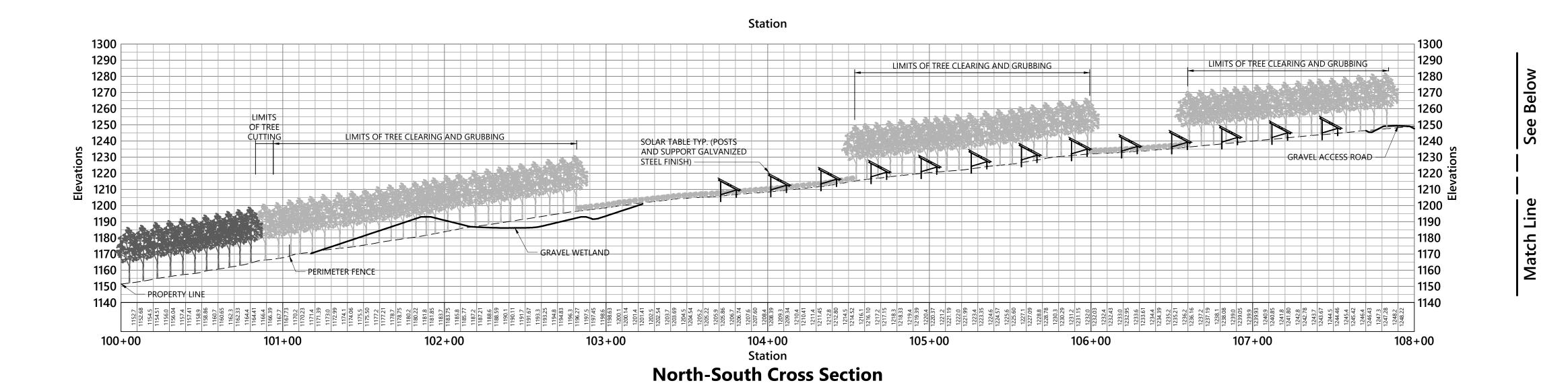
See Above

Match Line

Building 100 Suite 200

802.497.6100

South Burlington, VT 05403

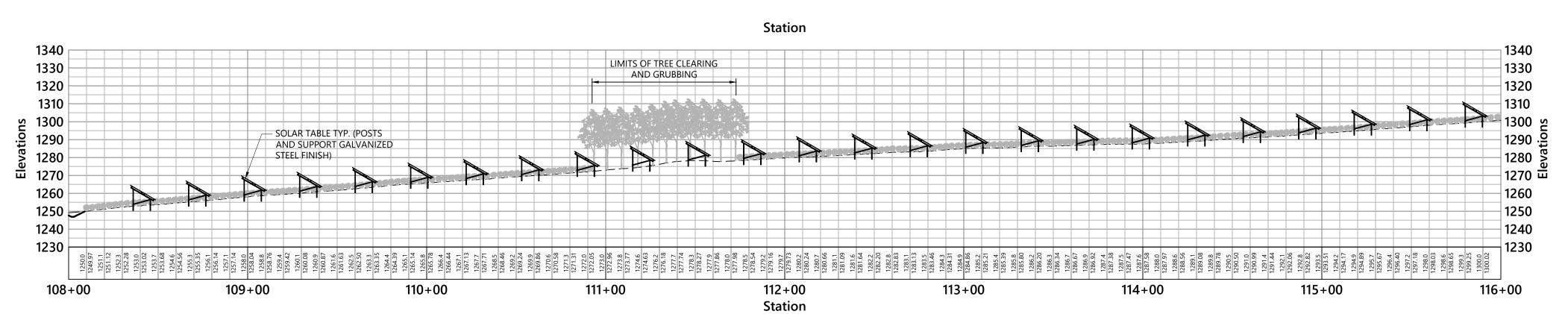


Shaftsbury Solar VT Real Estate Holdings 1 LLC 1004 Holy Smoke Road Shaftsbury, VT 05262 Designed by ZJD Permitting April 24, 2023 Not Approved for Construction

Cross Section (1 of 5)

See Sheet C8.02

Match Line

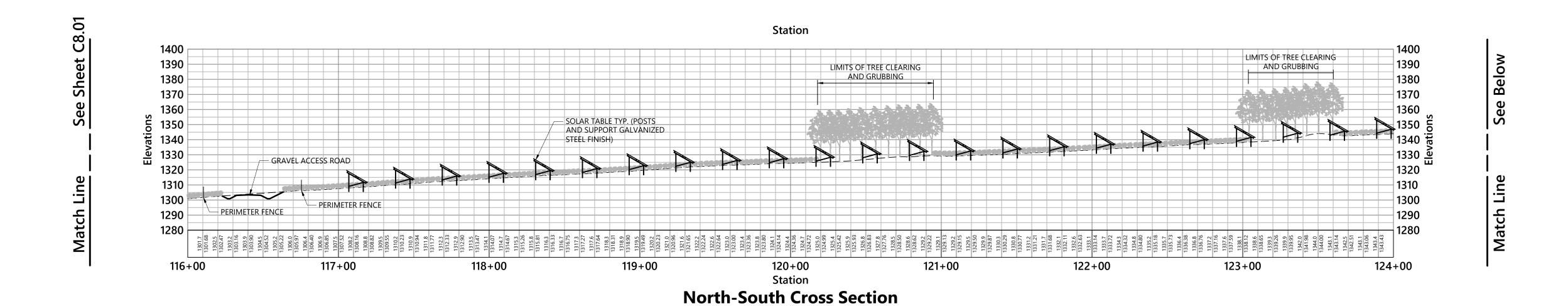


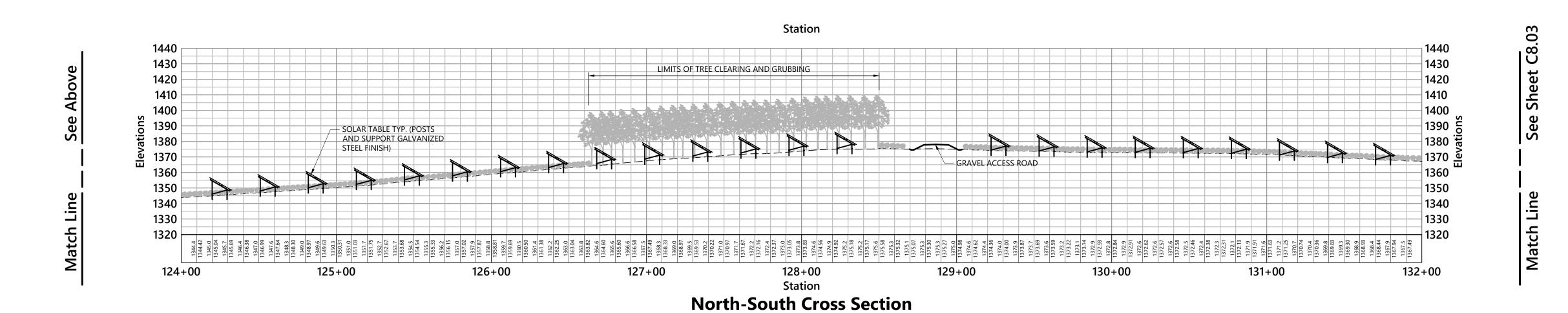
North-South Cross Section

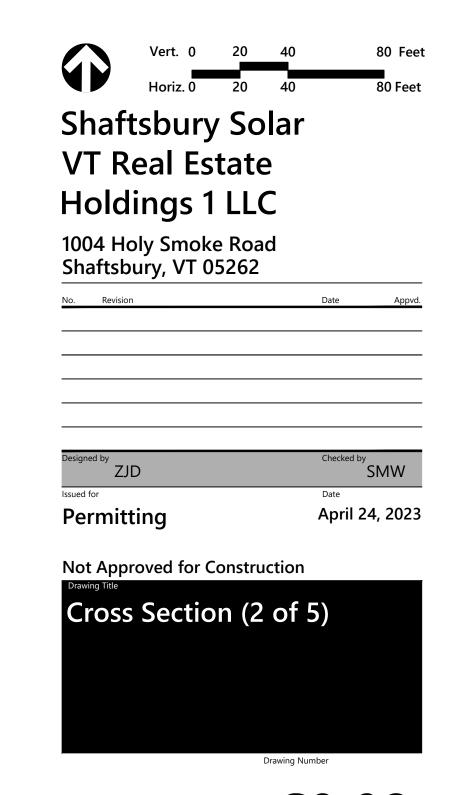
C8.01

t of 66

802.497.6100



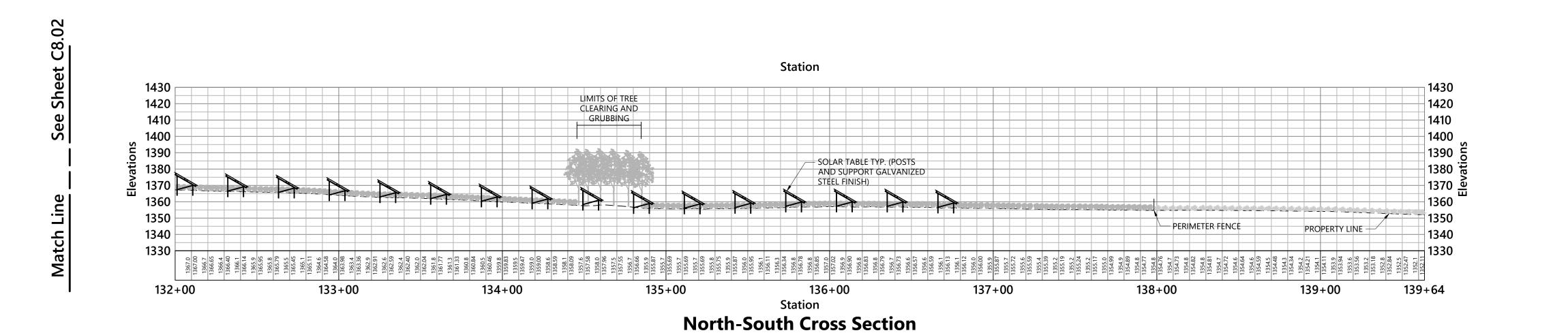




C8.02

Sheet of 63 66

802.497.6100

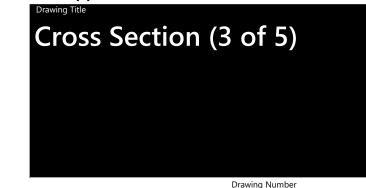


Shaftsbury Solar
VT Real Estate
Holdings 1 LLC
1004 Holy Smoke Road
Shaftsbury, VT 05262

No. Revision Date A

Not Approved for Construction

Permitting



C8.03

Sheet of 64 66

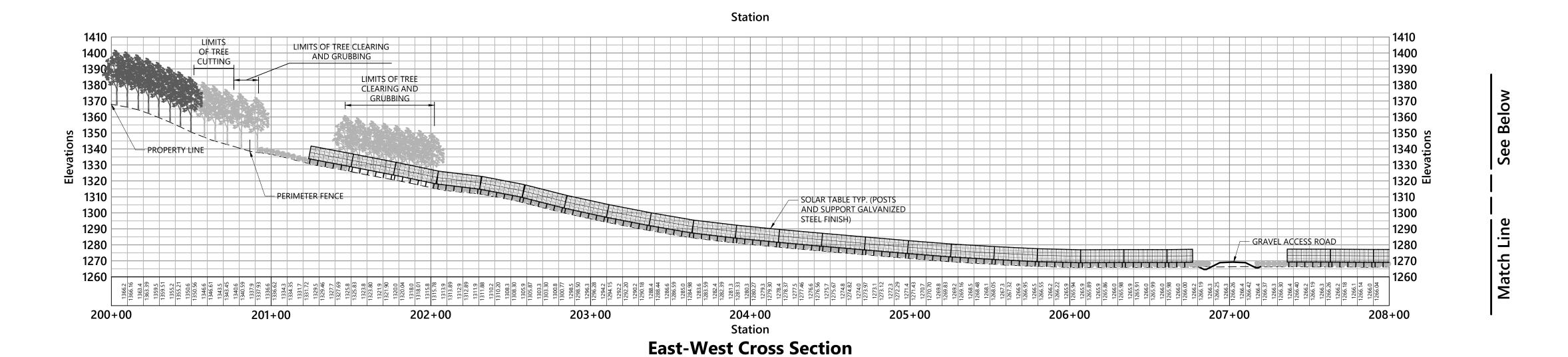
April 24, 2023

Match Line

Building 100 Suite 200

802.497.6100

South Burlington, VT 05403



Shaftsbury Solar
VT Real Estate
Holdings 1 LLC

1004 Holy Smoke Road
Shaftsbury, VT 05262

No. Revision Date Appvd.

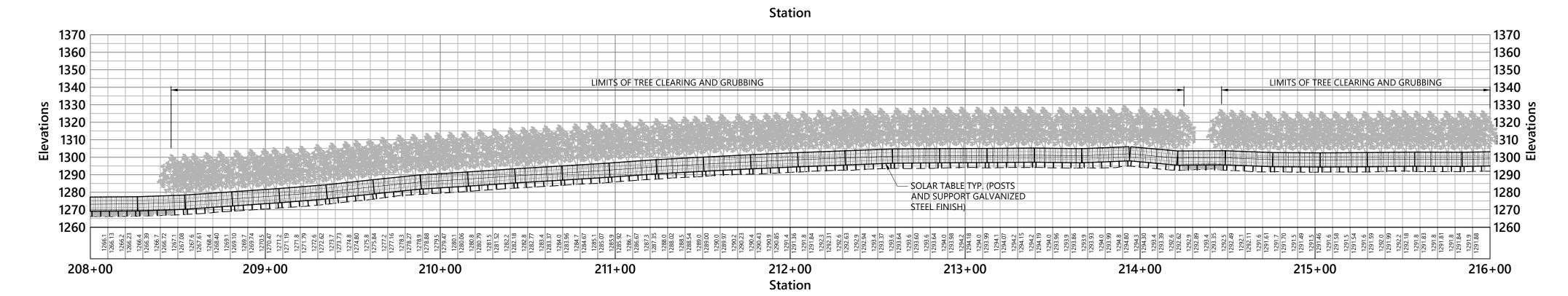
Designed by ZJD SMW
Issued for Permitting April 24, 2023

Not Approved for Construction

Cross Section (4 of 5)

Sheet C8.05

Match Line

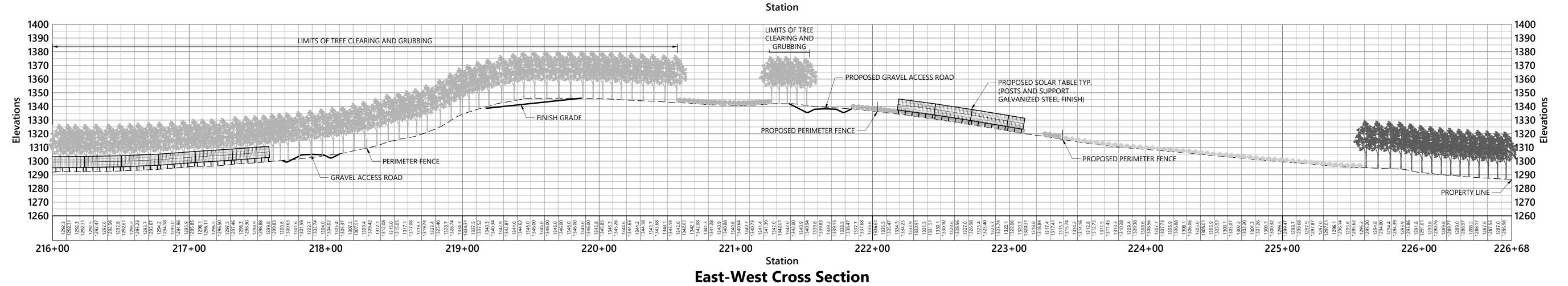


East-West Cross Section

C8.04

eet of **65 66**





Shaftsbury Solar
VT Real Estate
Holdings 1 LLC

1004 Holy Smoke Road Shaftsbury, VT 05262

Designed by ZJD Checked by SMW Issued for Date

Permitting April 24, 2023

Not Approved for Construction

Cross Section (5 of 5)

Drawing Number

C8.05