

SAVAGE SOLAR PROJECT

Route 103
Chester, Vermont



KREBS & LANSING
CONSULTING ENGINEERS

164 Main Street, Suite 201
Colchester, Vermont 05446

P: (802) 878-0375
www.krebsandlansing.com

ISSUED FOR PERMIT REVIEW
NOT FOR CONSTRUCTION

SOURCE DATA LEGEND

MAPPING SOURCE DATA USED FOR PLAN COMPILATION

Civil Engineering:

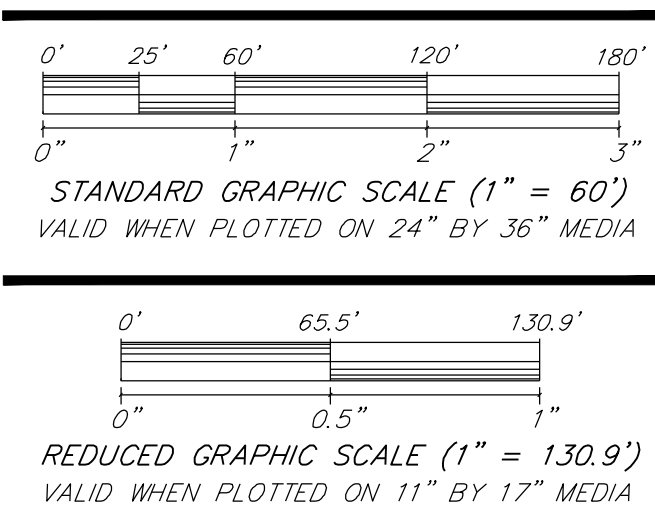
Krebs and Lansing Consulting Engineers, Inc.
164 Main Street, Suite 201
Colchester, Vermont 05446

Environmental:

Arrowwood Environmental
950 Bert White Road
Huntington, Vermont 05462

Landscape Architect:

T.J. Boyle Associates
301 College Street
Burlington, Vermont 05401



Proposed Solar Array

REV. NO.	REVISIONS/COMMENTS	DATE

Drawing Title:

SITE PLAN

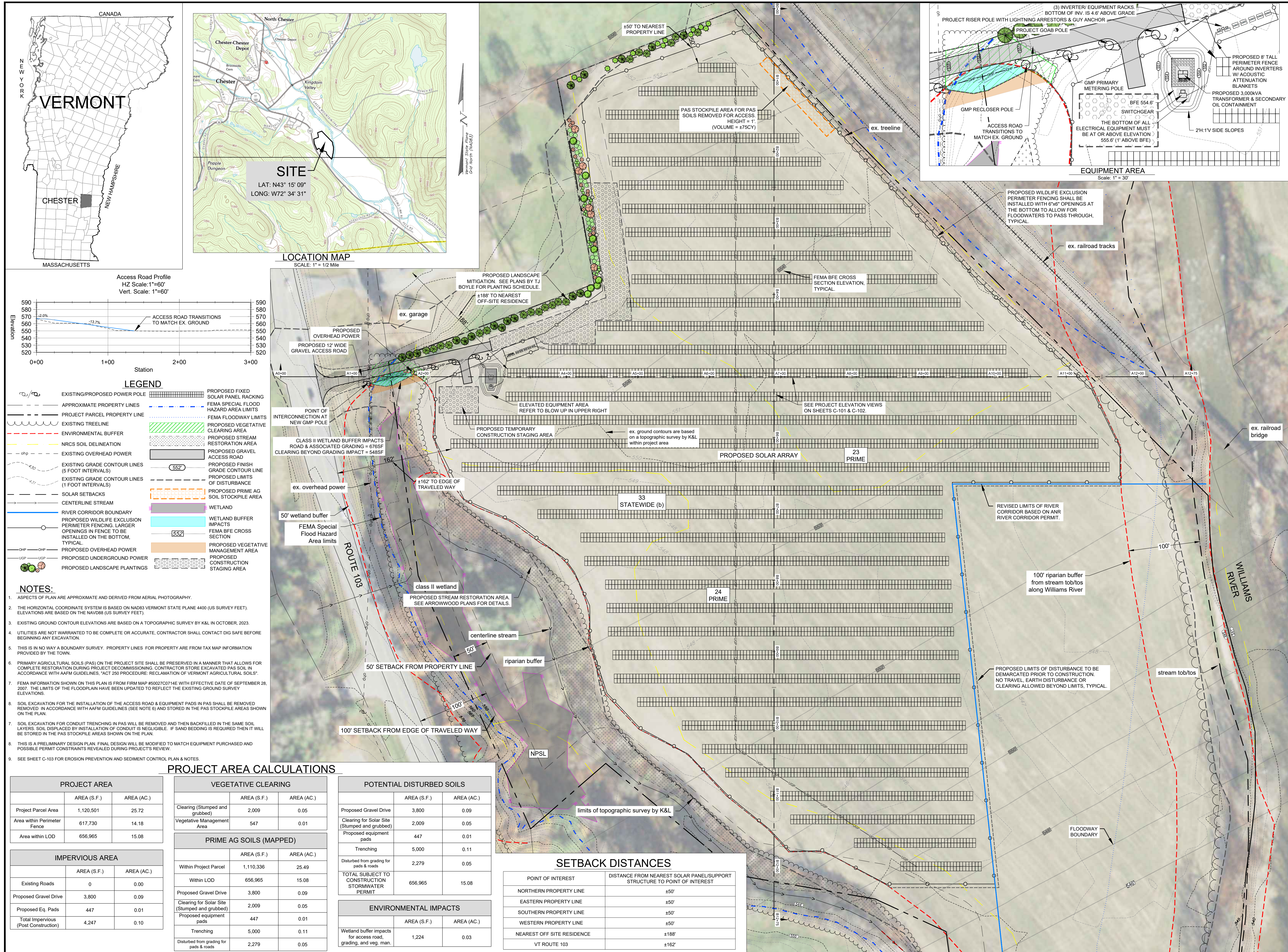
DATE of Issue: 03/04/26

Drawn by: SDG Checked by: GTD

Project No.: 23264 Scale: 1" = 60'

Drawing No.: Rev No.:

C-100



LEGEND

- EXISTING/PROPOSED POWER POLE

APPROXIMATE PROPERTY LINES

PROJECT PARCEL PROPERTY LINE

EXISTING TREELINE

ENVIRONMENTAL BUFFER

NRCS SOIL DELINEATION

EXISTING OVERHEAD POWER

EXISTING GRADE CONTOUR LINES (5 FOOT INTERVALS)

EXISTING GRADE CONTOUR LINES (1 FOOT INTERVALS)

SOLAR SETBACKS

CENTERLINE STREAM

RIVER CORRIDOR BOUNDARY

PROPOSED WILDLIFE EXCLUSION PERIMETER FENCING, LARGER OPENINGS IN FENCE TO BE INSTALLED ON THE BOTTOM, TYPICAL.

PROPOSED OVERHEAD POWER

PROPOSED UNDERGROUND POWER

PROPOSED LANDSCAPE PLANTINGS
- PROPOSED FIXED SOLAR PANEL RACKING

FEMA SPECIAL FLOOD HAZARD AREA LIMITS

FEMA FLOODWAY LIMITS

PROPOSED VEGETATIVE CLEARING AREA

PROPOSED STREAM RESTORATION AREA

PROPOSED GRAVEL ACCESS ROAD

PROPOSED FINISH GRADE CONTOUR LINE

PROPOSED LIMITS OF DISTURBANCE

PROPOSED PRIME AG SOIL STOCKPILE AREA

WETLAND

WETLAND BUFFER IMPACTS

FEMA BFE CROSS SECTION

PROPOSED VEGETATIVE MANAGEMENT AREA

PROPOSED CONSTRUCTION STAGING AREA

- NOTES:**
- ASPECTS OF PLAN ARE APPROXIMATE AND DERIVED FROM AERIAL PHOTOGRAPHY.
 - THE HORIZONTAL COORDINATE SYSTEM IS BASED ON NAD83 VERMONT STATE PLANE 4400 (US SURVEY FEET). ELEVATIONS ARE BASED ON THE NAVD83 (US SURVEY FEET).
 - EXISTING GROUND CONTOUR ELEVATIONS ARE BASED ON A TOPOGRAPHIC SURVEY BY K&L IN OCTOBER, 2023.
 - UTILITIES ARE NOT WARRANTED TO BE COMPLETE OR ACCURATE, CONTRACTOR SHALL CONTACT DIG SAFE BEFORE BEGINNING ANY EXCAVATION.
 - THIS IS IN NO WAY A BOUNDARY SURVEY. PROPERTY LINES FOR PROPERTY ARE FROM TAX MAP INFORMATION PROVIDED BY THE TOWN.
 - PRIMARY AGRICULTURAL SOILS (PAS) ON THE PROJECT SITE SHALL BE PRESERVED IN A MANNER THAT ALLOWS FOR COMPLETE RESTORATION DURING PROJECT DECOMMISSIONING. CONTRACTOR SHALL EXCAVATE PAS SOIL IN ACCORDANCE WITH AAFM GUIDELINES, "ACT 250 PROCEDURE: RECLAMATION OF VERMONT AGRICULTURAL SOILS".
 - FEMA FLOODPLAIN SHOWN ON THIS PLAN IS FROM FIRN MAP #50207074E WITH EFFECTIVE DATE OF SEPTEMBER 28, 2007. THE LIMITS OF THE FLOODPLAIN HAVE BEEN UPDATED TO REFLECT THE EXISTING GROUND SURVEY ELEVATIONS.
 - SOIL EXCAVATION FOR THE INSTALLATION OF THE ACCESS ROAD & EQUIPMENT PADS IN PAS SHALL BE REMOVED REMOVED IN ACCORDANCE WITH AAFM GUIDELINES (SEE NOTE 6) AND STORED IN THE PAS STOCKPILE AREAS SHOWN ON THE PLAN.
 - SOIL EXCAVATION FOR CONDUIT TRENCHING IN PAS WILL BE REMOVED AND THEN BACKFILLED IN THE SAME SOIL LAYERS. SOIL DISPLACED BY INSTALLATION OF CONDUIT IS NEGLIGIBLE. IF SAND BEDDING IS REQUIRED THEN IT WILL BE STORED IN THE PAS STOCKPILE AREAS SHOWN ON THE PLAN.
 - THIS IS A PRELIMINARY DESIGN PLAN. FINAL DESIGN WILL BE MODIFIED TO MATCH EQUIPMENT PURCHASED AND POSSIBLE PERMIT CONSTRAINTS REVEALED DURING PROJECT'S REVIEW.
 - SEE SHEET C-103 FOR EROSION PREVENTION AND SEDIMENT CONTROL PLAN & NOTES.

PROJECT AREA CALCULATIONS

PROJECT AREA		
	AREA (S.F.)	AREA (AC.)
Project Parcel Area	1,120,501	25.72
Area within Perimeter Fence	617,730	14.18
Area within LOD	656,965	15.08

VEGETATIVE CLEARING		
	AREA (S.F.)	AREA (AC.)
Clearing (Stumped and grubbed)	2,009	0.05
Vegetative Management Area	547	0.01

PRIME AG SOILS (MAPPED)		
	AREA (S.F.)	AREA (AC.)
Within Project Parcel	1,110,336	25.49
Within LOD	656,965	15.08

IMPERVIOUS AREA		
	AREA (S.F.)	AREA (AC.)
Existing Roads	0	0.00
Proposed Gravel Drive	3,800	0.09
Proposed Eq. Pads	447	0.01
Total Impervious (Post Construction)	4,247	0.10

POTENTIAL DISTURBED SOILS		
	AREA (S.F.)	AREA (AC.)
Proposed Gravel Drive	3,800	0.09
Clearing for Solar Site (Stumped and grubbed)	2,009	0.05
Proposed equipment pads	447	0.01
Trenching	5,000	0.11
Disturbed from grading for pads & roads	2,279	0.05
TOTAL SUBJECT TO CONSTRUCTION STORMWATER PERMIT	656,965	15.08

ENVIRONMENTAL IMPACTS		
	AREA (S.F.)	AREA (AC.)
Wetland buffer impacts for access road, grading, and veg. man.	1,224	0.03

SETBACK DISTANCES

POINT OF INTEREST	DISTANCE FROM NEAREST SOLAR PANEL/SUPPORT STRUCTURE TO POINT OF INTEREST
NORTHERN PROPERTY LINE	±50'
EASTERN PROPERTY LINE	±50'
SOUTHERN PROPERTY LINE	±50'
WESTERN PROPERTY LINE	±50'
NEAREST OFF SITE RESIDENCE	±188'
VT ROUTE 103	±162'

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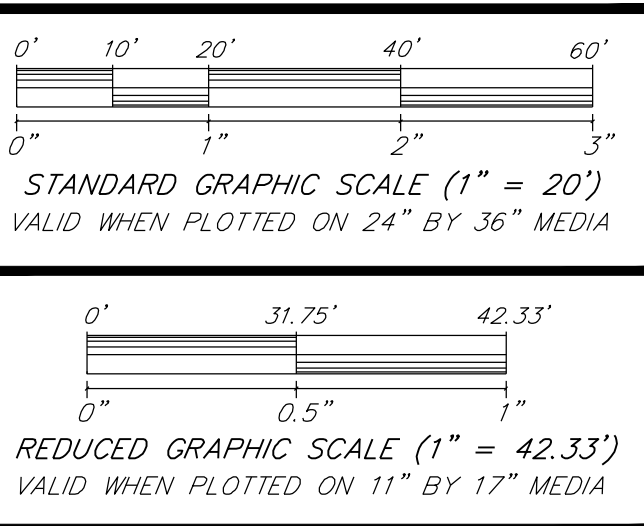
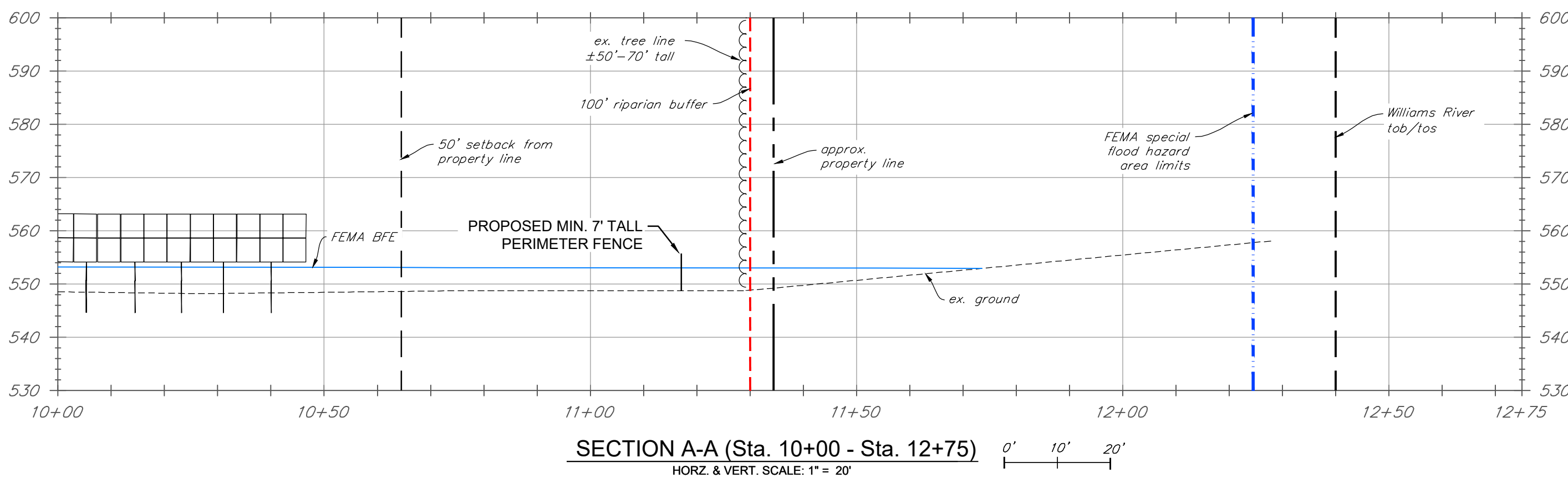
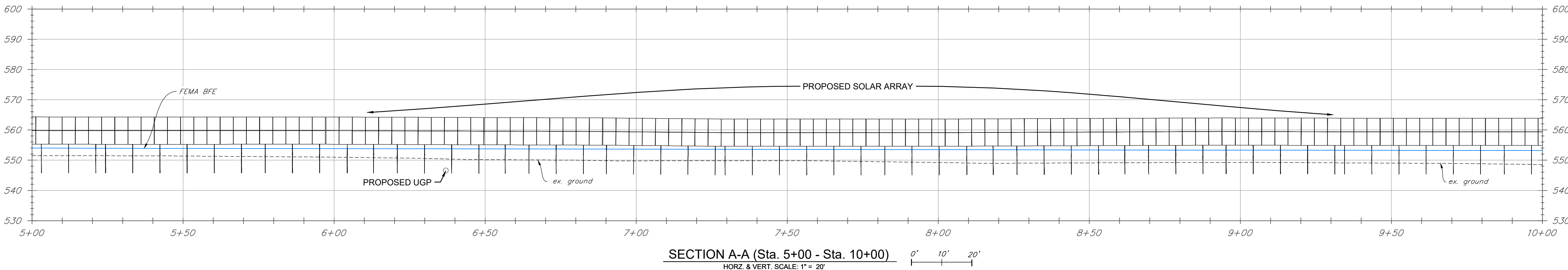
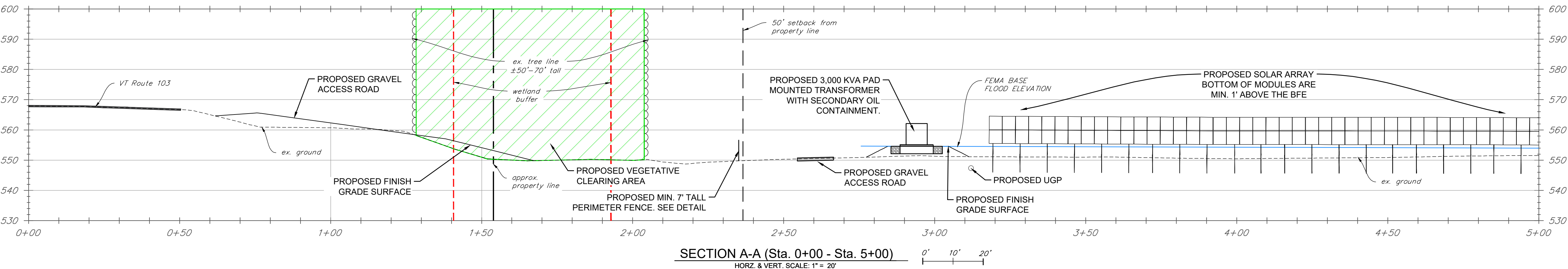
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Drawing Title:

ELEVATION A-A VIEWS

DATE of Issue: 03/04/26

Drawn by: SDG

Checked by: GTD

Project No.: 23264

Scale: 1" = 20'

Drawing No.:

Rev No.:

C-101

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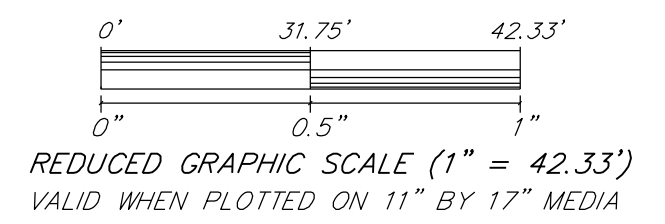
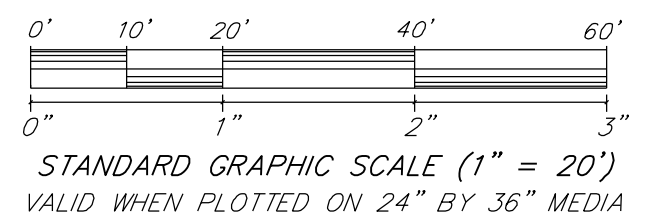
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ELEVATION B-B VIEWS

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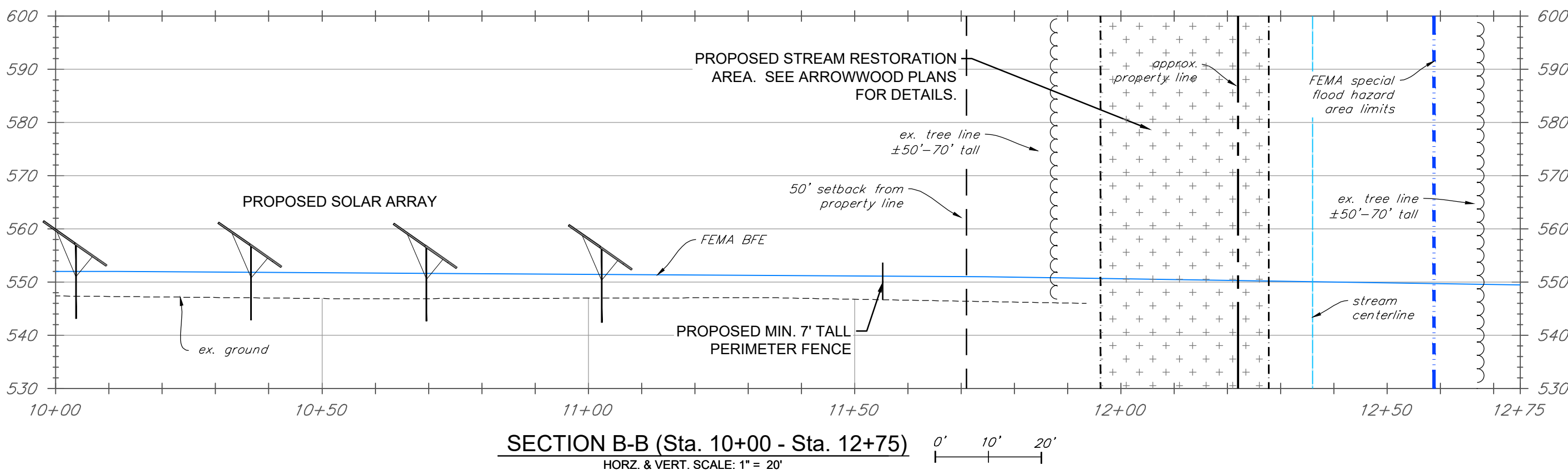
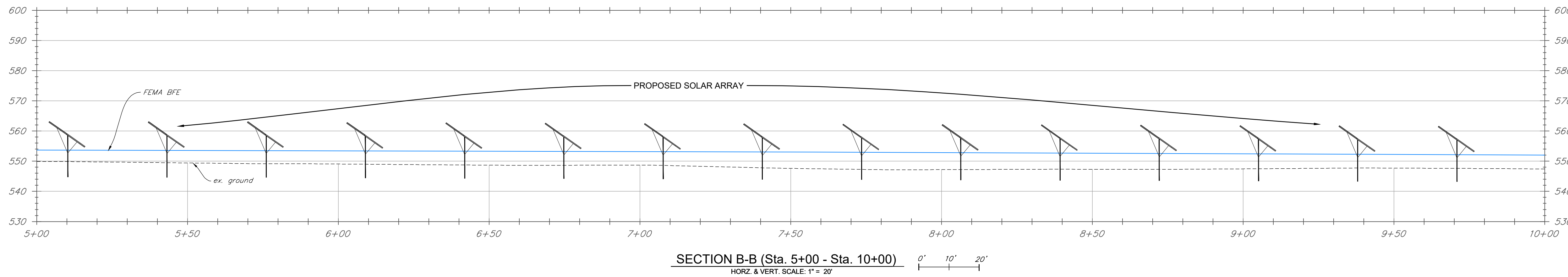
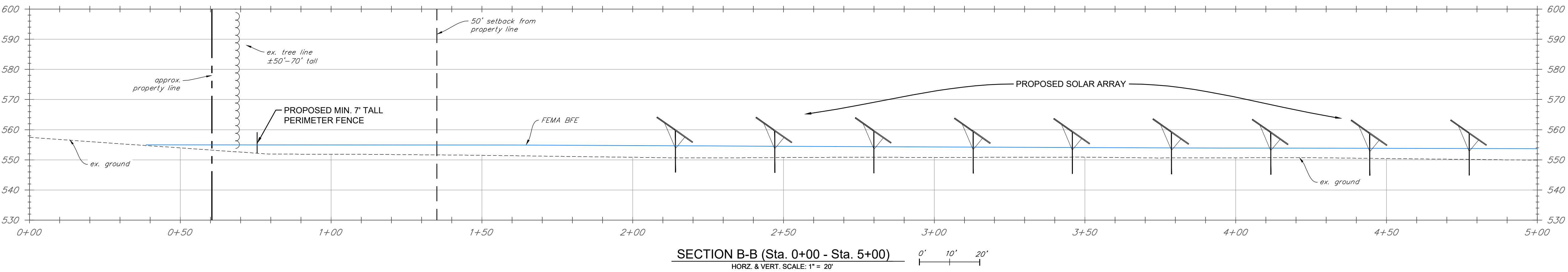
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C-102



CONSTRUCTION EPSC NOTES:

- Existing vegetation shall be protected and maintained to the extent practicable. All clearing activities will be conducted in accordance with the acceptable management practices.
- A vegetated buffer shall be maintained for water bodies where feasible (e.g., wetlands and streams).
- To the extent practicable, surface flow shall be diverted away from exposed soils via diversion berms, earth dikes, perimeter dikes/slopes, temporary swales, water bars, and/or check dams (see details).
- Resource areas (e.g., wetlands, streams, RTE plant species) shall be flagged prior to any construction related activities occurring within close proximity to those areas.
- Effluent from dewatering operations shall be filtered or passed through an approved sediment trapping device, or both, and discharged in a manner that does not violate water quality standards or contribute to erosion. Dewatering details shall be reviewed and approved by OSPC prior to use.
- Concentrated runoff shall not flow down cut or fill slopes unless contained within an adequate temporary or permanent channel (see details), flume, or slope drain structure.
- Adequate drainage or other protection shall be provided whenever water seeps from a slope face. Install rock sandwiches in locations where seep from cut slopes shall flow through the roadbed; no co-mingling with road runoff, where feasible, or directing of upslope run-on into stormwater treatment systems (see details).
- Underground utility lines shall be installed in accordance with the following standards in addition to other applicable criteria:
 - No more than 500 linear feet of trench may be opened at one time.
 - Excavated material shall be placed on the uphill side of trenches, where feasible, but not in resource areas.
- Where feasible, all sediment removed from sediment control practices as part of maintenance shall be disposed of in an area that is at least one of the following, with immediate stabilization following disposal of material:
 - Less than 5% slope
 - At least 100 feet from any downslope water body or conveyance to a water body, including a ditch
 - Vegetated
- Disturbed areas bordering or draining to existing roads shall have an appropriate sediment barrier (e.g., silt fence) spanning the edge of the disturbance to prevent washing of sediment onto roadways or into road ditches.
- In advance of predicted rainfall or snowmelt, all EPSC measures that are located in active areas of earth disturbance shall be inspected and repaired, as needed. If necessary, this shall include temporary stabilization of all disturbed soils on the site in advance of the anticipated runoff period.
- Dust control shall be handled via water application to roadways and other areas where dust may be generated.

TEMPORARY AND FINAL STABILIZATION NOTES

- All areas of earth disturbance associated with this project must be stabilized within 14 days of initial disturbance. After this initial 14-day period, all earth disturbance areas associated must be stabilized on a daily basis, with the following exceptions:
 - Stabilization is not required if work is to continue within 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 for stormwater) with a depth of 2 feet or greater (e.g., underground line installation).
- The maximum area of earth disturbance at any one time shall not exceed 5 acres (10 acres if project applies for an INDC permit).
- Soil stabilization shall be achieved by seed and mulch (see details), hydroseeding with mulch tackifier, sod, stone, and/or rolled erosion control products (e.g., erosion control blanket, see detail). Mulch shall be comprised of straw, hay, compost, woodchips, wood stump grindings, and/or erosion control mix (see detail).
- Appropriate seed mix shall be applied to designated areas per this EPSC Plan and seed specifications (see details). For an area to be stabilized for winter by vegetated cover, seeding must be completed by September 15.
- Areas to be stabilized for winter that do not have established vegetation by October 15 shall be stabilized by anchored mulch at the winter application rate, or other approved stabilization measures (e.g., rolled erosion control product; see detail). Dormant seeding with Winter Rye is recommended (see detail).
- All temporary EPSC measures shall be removed within 30 days after final site stabilization or after the temporary EPSC measures are no longer needed, unless otherwise authorized and approved in writing by the Owner.
- Following temporary or permanent stabilization, maintenance shall be performed as necessary to ensure continued stabilization.
- Except as noted below, all areas of disturbance shall be seeded and stabilized with EPSC measures (e.g., mulch, erosion control mix, rock rip rap, or rolled erosion control product), including areas where construction has been suspended or sections completed. The following shall also apply:
 - For active construction areas such as borrow or stockpile areas, roadway improvements, and areas within 50 feet of a building under construction, a perimeter sediment control system (e.g., silt fence) shall be installed and maintained to contain soil. Exposed disturbed areas adjacent to a conveyance that provides rapid offsite discharge of sediment (e.g., a cut slope at an entrance) shall be covered with plastic or geotextile to prevent soil loss until the area can be stabilized. Stabilized construction entrances shall be maintained to control equipment and vehicles from tracking material off site.
 - Permanent seeding shall only be undertaken in the spring season from April through May and in late summer and early fall until September 15; summer planting may be conducted if adequate watering is provided. During the peak summer months and in the fall after September 15, an appropriate temporary stabilization shall be implemented. Temporary summer planting may suffice for permanent seeding if adequate natural rainfall allows for vigorous growth during the mid summer period. The Contractor's scope of work shall include return to the site the spring following construction to perform any further seeding that may be required and to remove any remaining erosion control measures that are no longer needed.
 - Temporary sediment trapping devices (e.g., silt fence) shall not be removed until permanent stabilization is established in all tributary drainage areas. Similarly, stabilization shall be established prior to converting sediment traps and/or sediment basins into permanent (post-construction) stormwater management practices.
 - Stabilization measures shall be applied to bare earth surfaces with seed and anchored straw mulch, or other approved stabilization measures (e.g., rolled erosion control product) as soon as possible after disturbance.

EPSC - Erosion Prevent & Sediment Control
OSPC - On-Site Plan Coordinator

LEGEND

- EXISTING/PROPOSED POWER POLE
- APPROXIMATE PROPERTY LINES
- PROJECT PARCEL PROPERTY LINE
- EXISTING TREELINE
- WETLAND
- ENVIRONMENTAL BUFFER
- NRCS SOIL DELINEATION
- EXISTING OVERHEAD POWER
- EXISTING GRADE CONTOUR LINES (5 FOOT INTERVALS)
- EXISTING GRADE CONTOUR LINES (1 FOOT INTERVALS)
- CENTERLINE STREAM
- RIVER CORRIDOR BOUNDARY
- PROPOSED WILDLIFE EXCLUSION PERIMETER FENCING, LARGER OPENINGS IN FENCE TO BE INSTALLED ON THE BOTTOM, TYPICAL.
- PROPOSED OVERHEAD POWER
- FEMA SPECIAL FLOOD HAZARD AREA LIMITS
- FEMA FLOODWAY LIMITS
- FEMA BFE CROSS SECTION
- PROPOSED VEGETATIVE MANAGEMENT AREA
- PROPOSED STREAM RESTORATION AREA
- PROPOSED GRAVEL ACCESS ROAD
- PROPOSED FINISH GRADE CONTOUR LINE
- PROPOSED PRIME AG SOIL STOCKPILE AREA
- PROPOSED CONSTRUCTION STAGING AREA
- LIMITS OF DISTURBANCE SUBJECT TO CONSTRUCTION STORMWATER PERMIT
- INSTALL CONSTRUCTION LIMIT BARRIER FENCING/FLAGGING AT LIMITS AND MAINTAIN THROUGHOUT CONSTRUCTION.
- TEMPORARY SILT FENCE (TO BE INSTALLED PRIOR TO CONSTRUCTION)

Storage of Disturbed Primary Agricultural Soils (PAS)

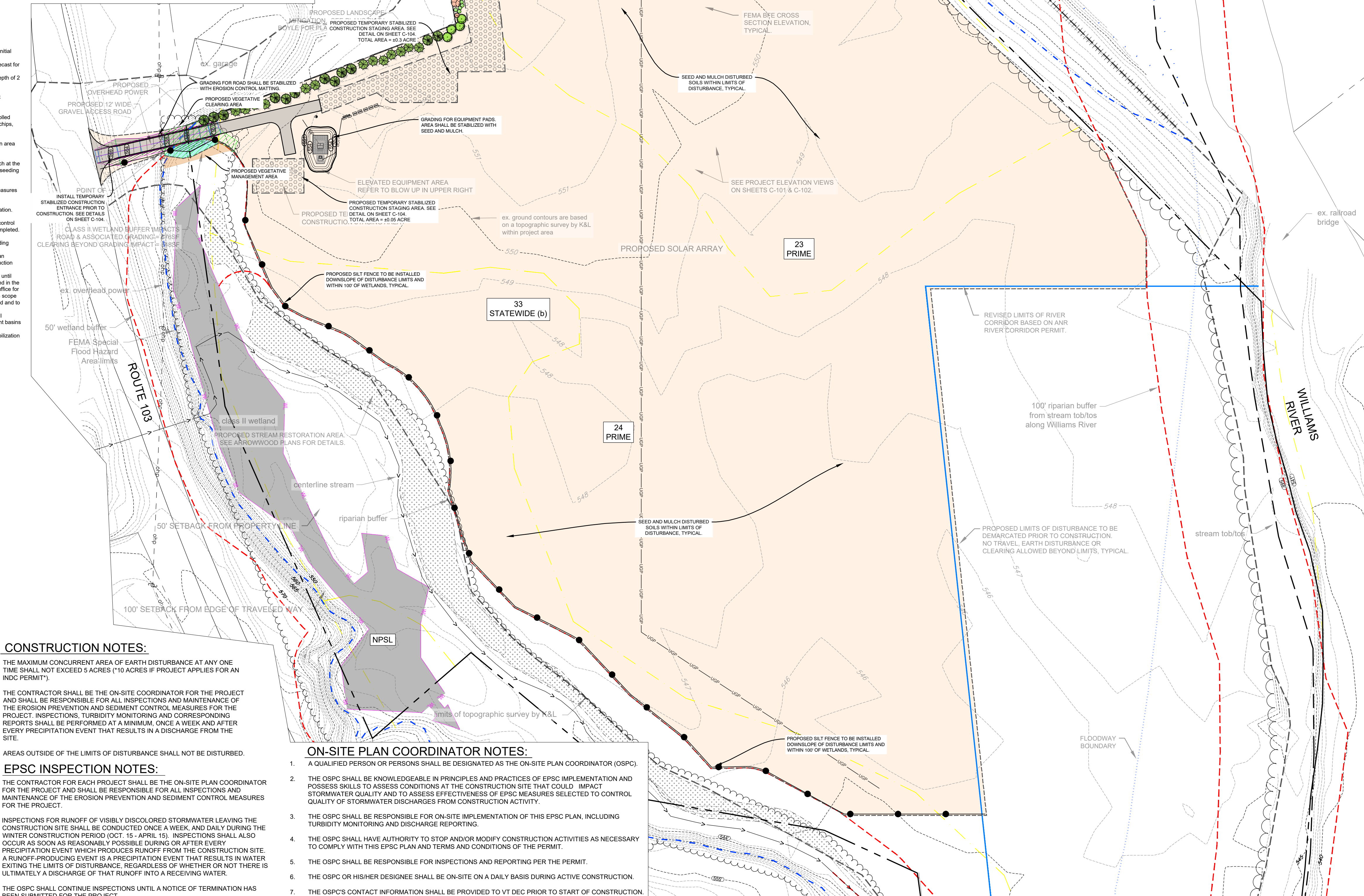
ALL PAS SOILS EXCAVATED DURING CONSTRUCTION WILL BE STORED IN THE DESIGNATED PAS STOCKPILE AREAS SHOWN ON THE PLAN.

WINTER EROSION PREVENTION AND SEDIMENT CONTROL REQUIREMENTS

(October 15th - April 15th)

- For areas to be stabilized with vegetative cover, seeding or hydroseeding shall be completed no later than September 15th to ensure adequate growth and cover.
- If seeding is not completed by September 15th, additional non-vegetative protection must be used to stabilize the site for the winter period. This includes the use of rolled Erosion Control Matting or netting of a heavy mulch layer.
- Where mulch is used for temporary stabilization it must be applied at double the standard rate, or a minimum of 3 inches with an 80%-90% cover.
- Stabilized Construction Entrances shall be enlarged to provide for snow stockpiling.
- Limits of disturbance shall be moved or replaced to reflect any revised boundaries of winter work.
- A snow management plan shall be prepared with adequate storage and control of meltwater, requiring cleared snow to be stored down slope of all areas of disturbance and out of stormwater treatment structures.
- A minimum 25 foot buffer shall be maintained from perimeter controls such as silt fence.
- Drainage structures must be kept open and free of snow and ice dams.
- Silt fence and other sediment control practices requiring earth disturbance must be installed ahead of frozen ground.
- 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:
 - 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.
 - Disturbed areas that collect and retain runoff, such as house foundation or open utility trenches.
- Prior to stabilization, snow or ice must be removed to less than 1 inch thickness.
- Use stone to stabilize areas such as the perimeter of buildings under construction or where construction vehicle traffic is anticipated. Stone paths should be 10-20 feet wide to accommodate vehicular traffic.
- For areas of disturbance within 100 ft of a waterbody, the following must be installed across the slopes, down gradient of the earth disturbance:
 - A combination of one practice from group A placed in front of a practice from group B
 - Two group B practices, or
 - A single row of Reinforced Silt Fence

Group A	Group B
Filter Socks	Silt Fence
Straw Wattles	Erosion Control Berms



CONSTRUCTION NOTES:

- THE MAXIMUM CONCURRENT AREA OF EARTH DISTURBANCE AT ANY ONE TIME SHALL NOT EXCEED 5 ACRES (10 ACRES IF PROJECT APPLIES FOR AN INDC PERMIT).
- THE CONTRACTOR SHALL BE THE ON-SITE COORDINATOR FOR THE PROJECT AND SHALL BE RESPONSIBLE FOR ALL INSPECTIONS AND MAINTENANCE OF THE EROSION PREVENTION AND SEDIMENT CONTROL MEASURES FOR THE PROJECT. INSPECTIONS, TURBIDITY MONITORING AND CORRESPONDING REPORTS SHALL BE PERFORMED AT A MINIMUM, ONCE A WEEK AND AFTER EVERY PRECIPITATION EVENT THAT RESULTS IN A DISCHARGE FROM THE SITE.
- AREAS OUTSIDE OF THE LIMITS OF DISTURBANCE SHALL NOT BE DISTURBED.

EPSC INSPECTION NOTES:

- THE CONTRACTOR FOR EACH PROJECT SHALL BE THE ON-SITE PLAN COORDINATOR FOR THE PROJECT AND SHALL BE RESPONSIBLE FOR ALL INSPECTIONS AND MAINTENANCE OF THE EROSION PREVENTION AND SEDIMENT CONTROL MEASURES FOR THE PROJECT.
- INSPECTIONS FOR RUNOFF OF VISIBLY DISCOLORED STORMWATER LEAVING THE CONSTRUCTION SITE SHALL BE CONDUCTED ONCE A WEEK, AND DAILY DURING THE WINTER CONSTRUCTION PERIOD (OCT. 15 - APRIL 15). INSPECTIONS SHALL ALSO OCCUR AS SOON AS REASONABLY POSSIBLE DURING OR AFTER EVERY PRECIPITATION EVENT WHICH PRODUCES RUNOFF FROM THE CONSTRUCTION SITE. A RUNOFF-PRODUCING EVENT IS A PRECIPITATION EVENT THAT RESULTS IN WATER EXITING THE LIMITS OF DISTURBANCE, REGARDLESS OF WHETHER OR NOT THERE IS ULTIMATELY A DISCHARGE OF THAT RUNOFF INTO A RECEIVING WATER.
- THE OSPC SHALL CONTINUE INSPECTIONS UNTIL A NOTICE OF TERMINATION HAS BEEN SUBMITTED FOR THE PROJECT.

ON-SITE PLAN COORDINATOR NOTES:

- A QUALIFIED PERSON OR PERSONS SHALL BE DESIGNATED AS THE ON-SITE PLAN COORDINATOR (OSPC).
- THE OSPC SHALL BE KNOWLEDGEABLE IN PRINCIPLES AND PRACTICES OF EPSC IMPLEMENTATION AND POSSESS SKILLS TO ASSESS CONDITIONS AT THE CONSTRUCTION SITE THAT COULD IMPACT STORMWATER QUALITY AND TO ASSESS EFFECTIVENESS OF EPSC MEASURES SELECTED TO CONTROL QUALITY OF STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITY.
- THE OSPC SHALL BE RESPONSIBLE FOR ON-SITE IMPLEMENTATION OF THIS EPSC PLAN, INCLUDING TURBIDITY MONITORING AND DISCHARGE REPORTING.
- THE OSPC SHALL HAVE AUTHORITY TO STOP AND/OR MODIFY CONSTRUCTION ACTIVITIES AS NECESSARY TO COMPLY WITH THIS EPSC PLAN AND TERMS AND CONDITIONS OF THE PERMIT.
- THE OSPC SHALL BE RESPONSIBLE FOR INSPECTIONS AND REPORTING PER THE PERMIT.
- THE OSPC OR HIS/HER DESIGNEE SHALL BE ON-SITE ON A DAILY BASIS DURING ACTIVE CONSTRUCTION.
- THE OSPC'S CONTACT INFORMATION SHALL BE PROVIDED TO VT DEC PRIOR TO START OF CONSTRUCTION.

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0' 25' 60' 120' 180'
1" = 60'
STANDARD GRAPHIC SCALE (1" = 60')
VALID WHEN PLOTTED ON 24" BY 36" MEDIA

0' 65.5' 130.9'
1" = 130.9'
REDUCED GRAPHIC SCALE (1" = 130.9')
VALID WHEN PLOTTED ON 11" BY 17" MEDIA

Proposed Solar Array

REV. NO.	REVISIONS/COMMENTS	DATE

Drawing Title:

EROSION PREVENTION & SEDIMENT CONTROL PLAN & NOTES

DATE of Issue: 03/04/26

Drawn by: SDG Checked by: GTD

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EROSION PREVENTION AND SEDIMENT CONTROL DETAILS

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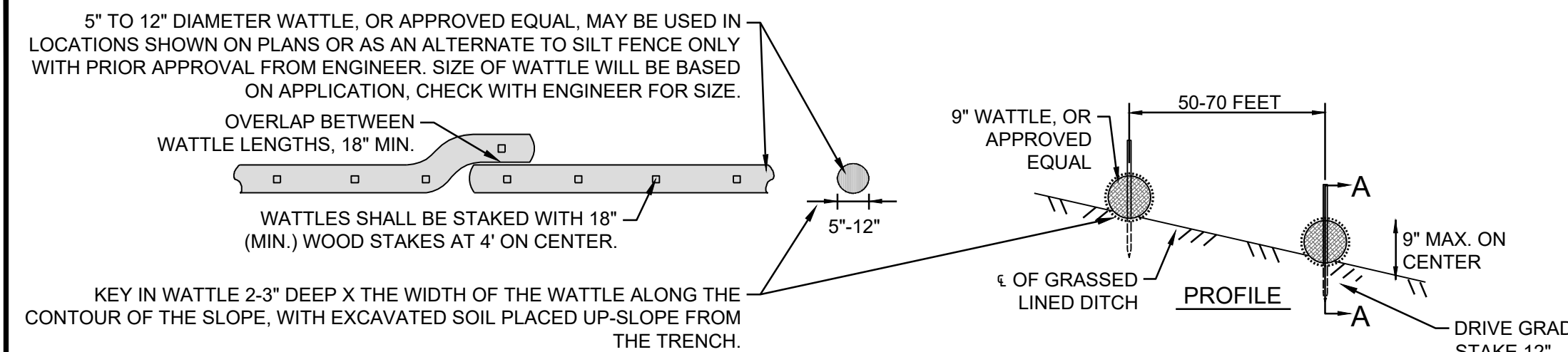
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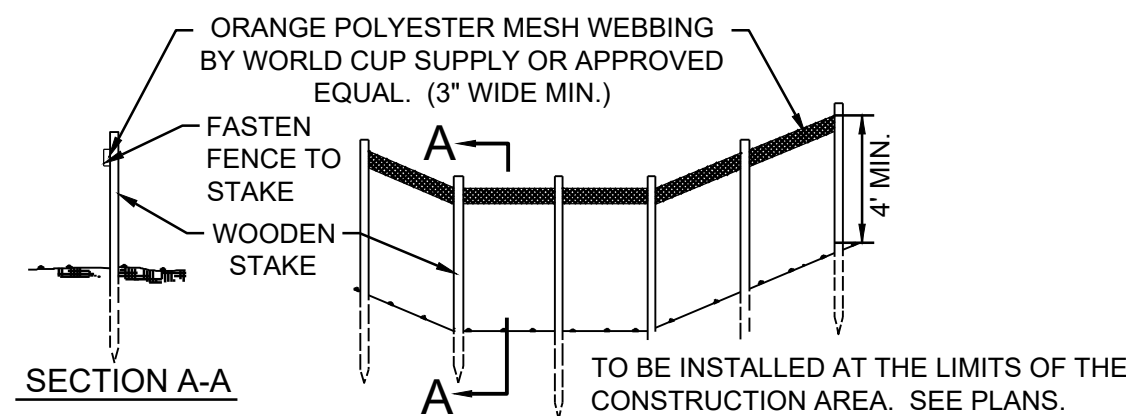


NOTES

- CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION, MAINTENANCE, AND REMOVAL OF WATTLE IN ALL LOCATIONS SHOWN ON THE PLANS. WATTLE MAY BE LEFT IN PLACE IF THE CONTRACTOR SEEDS AND MULCHES OVER WATTLE FOR GROWTH POST CONSTRUCTION.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND ADDITIONAL WATTLES WILL BE ADDED WHEN SEDIMENT REACHES HALF OF PRODUCT HEIGHT.
- WHEN INSTALLING LENGTHS OF WATTLE, LENGTHS WILL OVERLAP BY MINIMUM 18" WHEN TRANSITIONING TO A NEW LENGTH OF WATTLE.
- CONTRACTOR SHALL REFER TO ALL MANUFACTURES SPECIFICATIONS AND DETAILS.
- SILTSOXX IS A SPECIFIC MANUFACTURER, OTHER MANUFACTURERS WITH EQUAL PRODUCTS MAY BE USED IF APPROVED BY ENGINEER.
- WATTLE CAN BE USED AS A SILT FENCE ALTERNATIVE, WITH PRIOR APPROVAL OF THE ENGINEER.

TYPICAL WATTLE SEDIMENT CONTROL

N.T.S.



NOTES

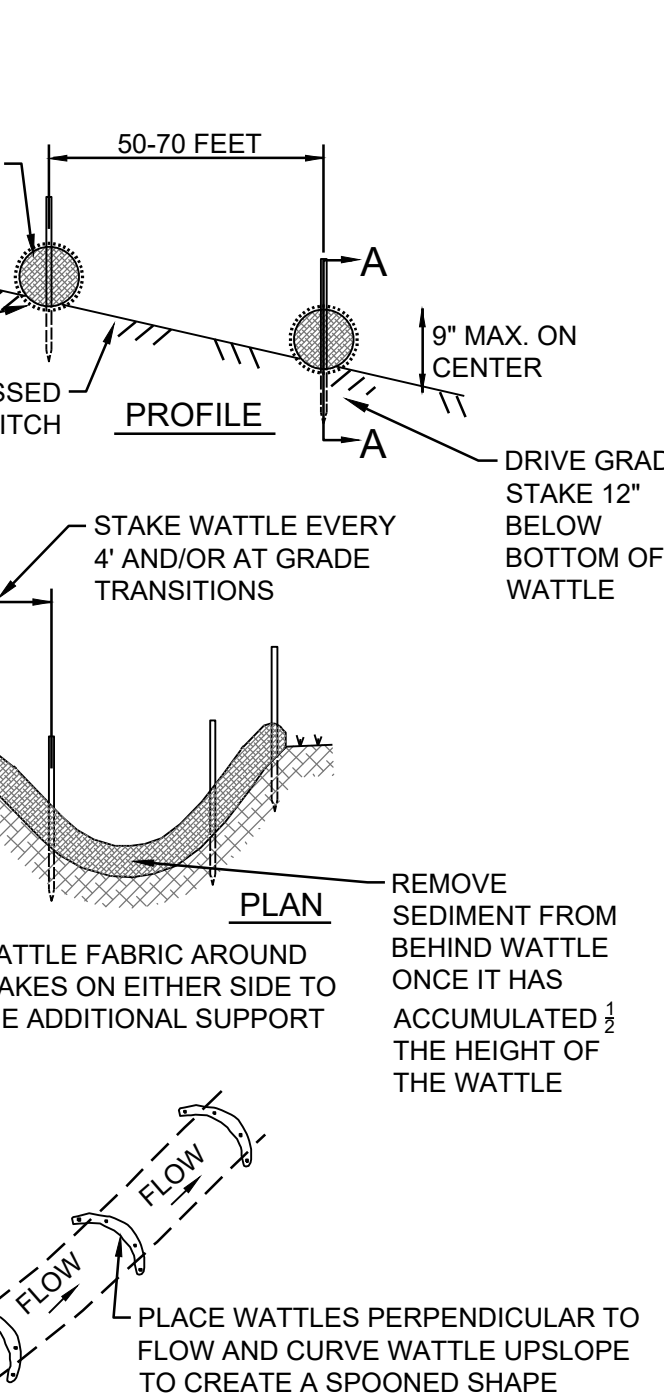
- ACCEPTABLE EPSC MEASURE DETAILS ARE PROVIDED BELOW.
- AT A MINIMUM, EPSC MEASURES MEET VT DEC STANDARDS AND SPECIFICATIONS FOR EROSION PREVENTION AND SEDIMENT CONTROL OR PREVIOUSLY APPROVED INTERCHANGEABLE PRACTICES.
- LIMITS OF DISTURBANCE (OR "CONSTRUCTION DEMARCATION") SHALL BE INSTALLED PRIOR TO ANY EARTH DISTURBING ACTIVITIES.
- BARRIER TAPE/ROPE: FOR USE WHERE PROPOSED DISTURBANCE BORDERS NON-WOODED, VEGETATED AREAS MORE THAN 100 FT FROM THE NEAREST WATER RESOURCE (STREAM, BROOK, LAKE, POND, WETLAND, ETC.). BARRIER TAPE IS HIGH VISIBILITY FIBERGLASS TAPE, MINIMUM 3" IN WIDTH COMMONLY USED IN SKI AREAS FOR DEMARCATING CLOSED AREAS. BARRIER TAPE AND ROPE SHOULD BE ATTACHED TO STAKES, AT A MINIMUM HEIGHT OF 4 FT FROM THE GROUND.
- MINIMUM 1 TO 2 ROWS OF MESH BARRIER TAPE TO BE INSTALLED ALONG CONSTRUCTION PERIMETER.
- EACH ROW OF BARRIER TAPE TO BE 3" WIDE MINIMUM.
- BARRIER TAPE TO BE ORANGE.
- SECURE BARRIER TAPE TO STAKES OR EXISTING TREE TRUNKS WITH BOTTOM ROW AT 4' DISTANCE FROM GROUND SURFACE (MINIMUM).
- MAINTAIN AND REPLACE AS NEEDED. REMOVE AT COMPLETION OF PROJECT PER OSPC.
- IN EVENT THE OSPC DETERMINES BARRIER TAPE IS NOT SUFFICIENT, REPLACE WITH ORANGE CONSTRUCTION FENCE OR SNOW FENCE.

TYPICAL CONSTRUCTION LIMIT BARRIER

N.T.S.

CONSTRUCTION STORMWATER DISCHARGE PERMIT INFORMATION

- THIS PROJECT PROPOSES 14.85 ACRES OF SOIL DISTURBANCE ON SITE.
- THE PROPOSED PROJECT HAS BEEN SCORED USING THE STATE OF VERMONT APPENDIX-A RISK EVALUATION. THE PROJECT WILL APPLY FOR A MODERATE RISK OR INDIVIDUAL CONSTRUCTION STORMWATER DISCHARGE PERMIT.
- THE MAXIMUM AREA OF EARTH DISTURBANCE AT ANY ONE TIME SHALL NOT EXCEED 5 ACRES.
- ALL AREAS OF EARTH DISTURBANCE MUST HAVE TEMPORARY OR FINAL STABILIZATION WITHIN 14 DAYS OF THE INITIAL DISTURBANCE. AFTER THIS TIME, DISTURBED AREAS MUST BE TEMPORARILY OR PERMANENTLY STABILIZED IN ADVANCE OF ANY RUNOFF PRODUCTION EVENT, WITH THE FOLLOWING EXCEPTION:
II. STABILIZATION IS NOT REQUIRED IF THE WORK IS OCCURRING IN A SELF-CONTAINED EXCAVATION (I.E., NO OUTLET FOR STORMWATER) WITH A DEPTH OF 2 FEET OR GREATER (E.G., UNDERGROUND LINE INSTALLATION).
- PROJECT DOES PROPOSE WINTER CONSTRUCTION. WINTER CONSTRUCTION NOTES ARE INCLUDED.
- ALL TEMPORARY EPSC MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION OR AFTER THE TEMPORARY EPSC MEASURES ARE NO LONGER NEEDED, UNLESS OTHERWISE AUTHORIZED AND APPROVED IN WRITING BY THE OWNER.
- SOIL STABILIZATION SHALL BE ACHIEVED BY SEED AND MULCH, HYDROSEEDING WITH MULCH TACKIFIER, SOD, STONE, AND/OR ROLLED EROSION CONTROL PRODUCTS (E.G., EROSION CONTROL BLANKET). MULCH SHALL BE COMPRISED OF STRAW, HAY, COMPOST, WOODCHIPS, WOOD STUMP GRINDINGS, AND/OR EROSION CONTROL MIX.
- APPROPRIATE SEED MIX SHALL BE APPLIED TO DESIGNATED AREAS PER THIS EPSC PLAN AND SEED SPECIFICATIONS.

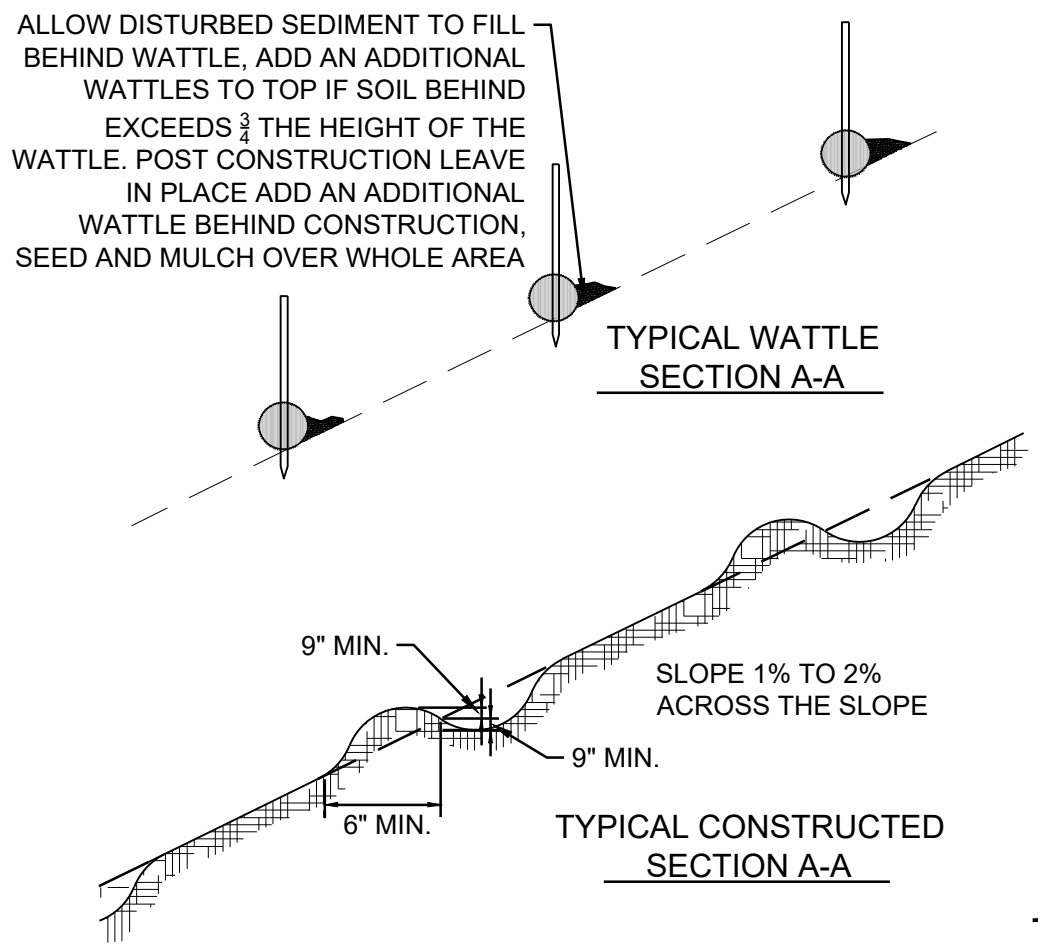
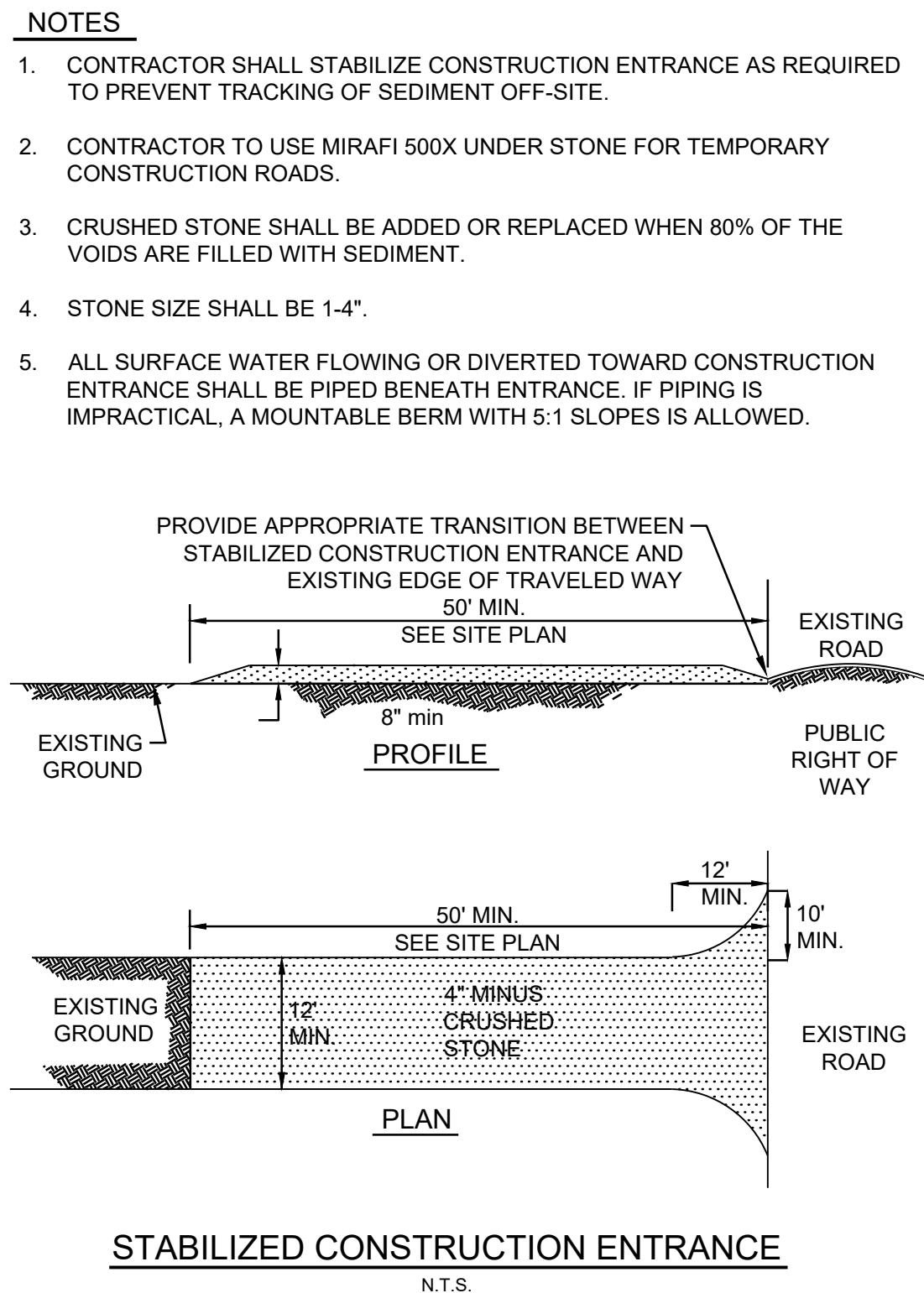


NOTES

- CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION, MAINTENANCE, AND REMOVAL OF WATTLE IN ALL LOCATIONS SHOWN ON THE PLANS. WATTLE MAY BE LEFT IN PLACE IF THE CONTRACTOR SEEDS AND MULCHES WATTLE FOR GROWTH POST CONSTRUCTION.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND ADDITIONAL WATTLE WILL BE ADDED WHEN SEDIMENT REACHES HALF OF PRODUCT HEIGHT.
- WHEN INSTALLING LENGTHS OF WATTLE, LENGTHS WILL OVERLAP BY MINIMUM 18" WHEN TRANSITIONING TO A NEW LENGTH OF WATTLE.
- CONTRACTOR SHALL REFER TO ALL MANUFACTURES SPECIFICATIONS AND DETAILS.
- WATTLE CAN ONLY BE USED IN A GRASS LINED SWALE, MAY NOT BE USED IN STONE LINED SWALES.
- WATTLE CHECK DAM CAN ONLY BE USED IN CHANNELS WITH SLOPES LESS THAN 5%.
- SILTSOXX IS A SPECIFIC MANUFACTURER, OTHER MANUFACTURERS WITH EQUAL PRODUCTS MAY BE USED IF APPROVED BY ENGINEER.

TYPICAL WATTLE CHECK DAM DETAIL

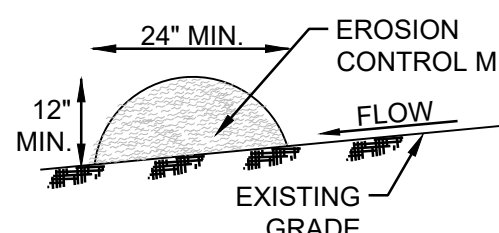
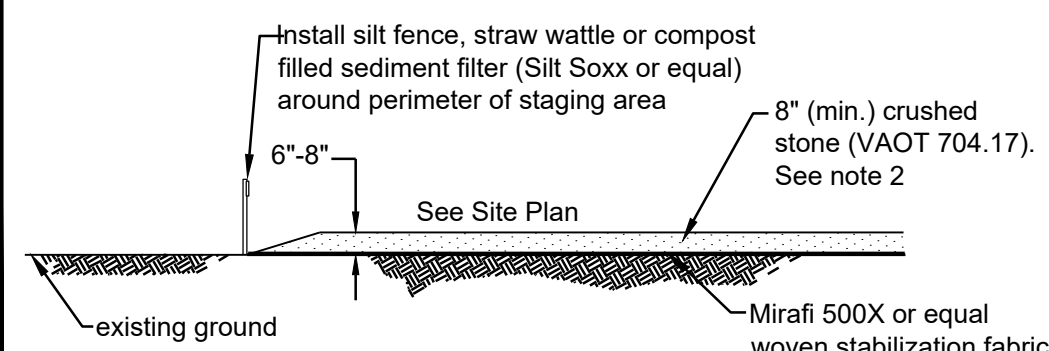
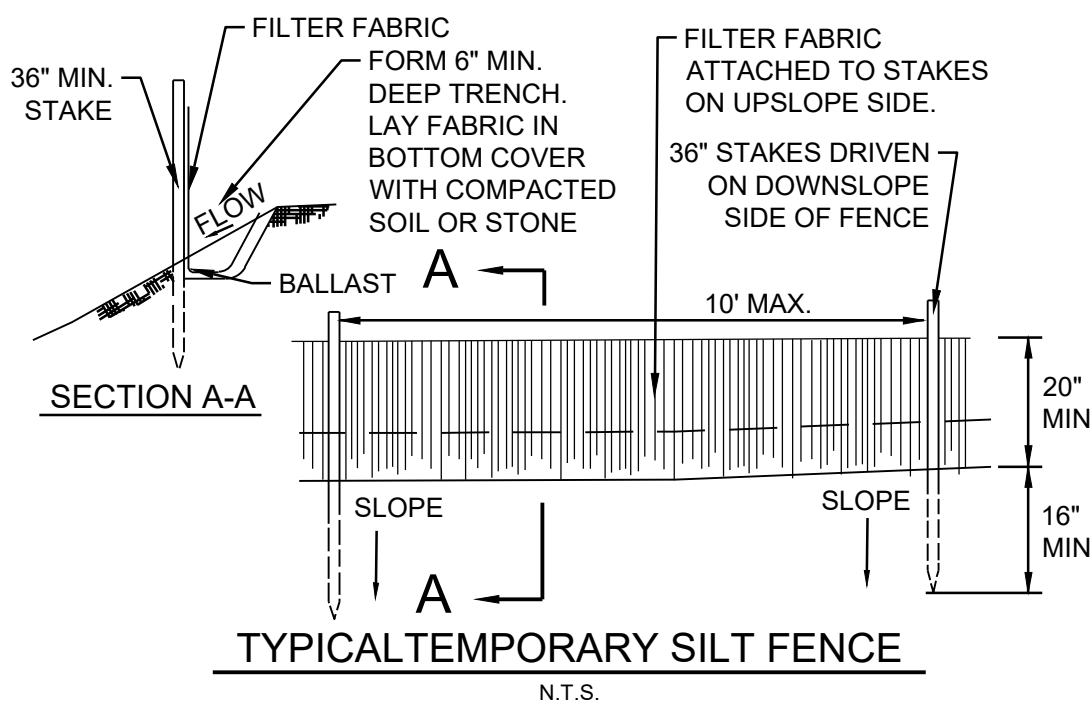
N.T.S.



NOTES

- AT A MINIMUM, EPSC MEASURES MEET VT DEC STANDARDS AND SPECIFICATIONS FOR EROSION PREVENTION AND SEDIMENT CONTROL OR PREVIOUSLY APPROVED INTERCHANGEABLE PRACTICES.
- PERIMETER CONTROLS SHALL BE UTILIZED IN SMALL AREAS ≤ 1 ACRE. IN AREAS > 1 ACRE, TEMPORARY SEDIMENT TRAPS OR TEMPORARY SEDIMENT BASINS ARE TO BE UTILIZED.
- PERIMETER CONTROLS SHALL BE INSTALLED ON DOWNSLOPE SIDE OF PLANNED EARTH DISTURBANCE.
- PERIMETER CONTROLS SHALL BE INSTALLED PRIOR TO ANY EARTH DISTURBING ACTIVITIES WITHIN UPSLOPE CONTRIBUTING AREA.
- SILT FENCE SHALL NOT BE USED AS CONSTRUCTION DEMARCATION.
- SILTSOXX CAN BE USED AS A SILT FENCE ALTERNATIVE, WITH PRIOR APPROVAL OF THE ENGINEER. SEE DETAIL.
- IF SILT FENCE IS INSTALLED WHEN GROUND IS FROZEN, A GRAVEL, SHOT ROCK, OR SAND BALLAST MUST BE USED.

SLOPE	SPACING
5% TO 10%	50 FT. OR LESS
10% TO 20%	25 FT. OR LESS
> 20%	15 FT. OR LESS



COMPOSITION:

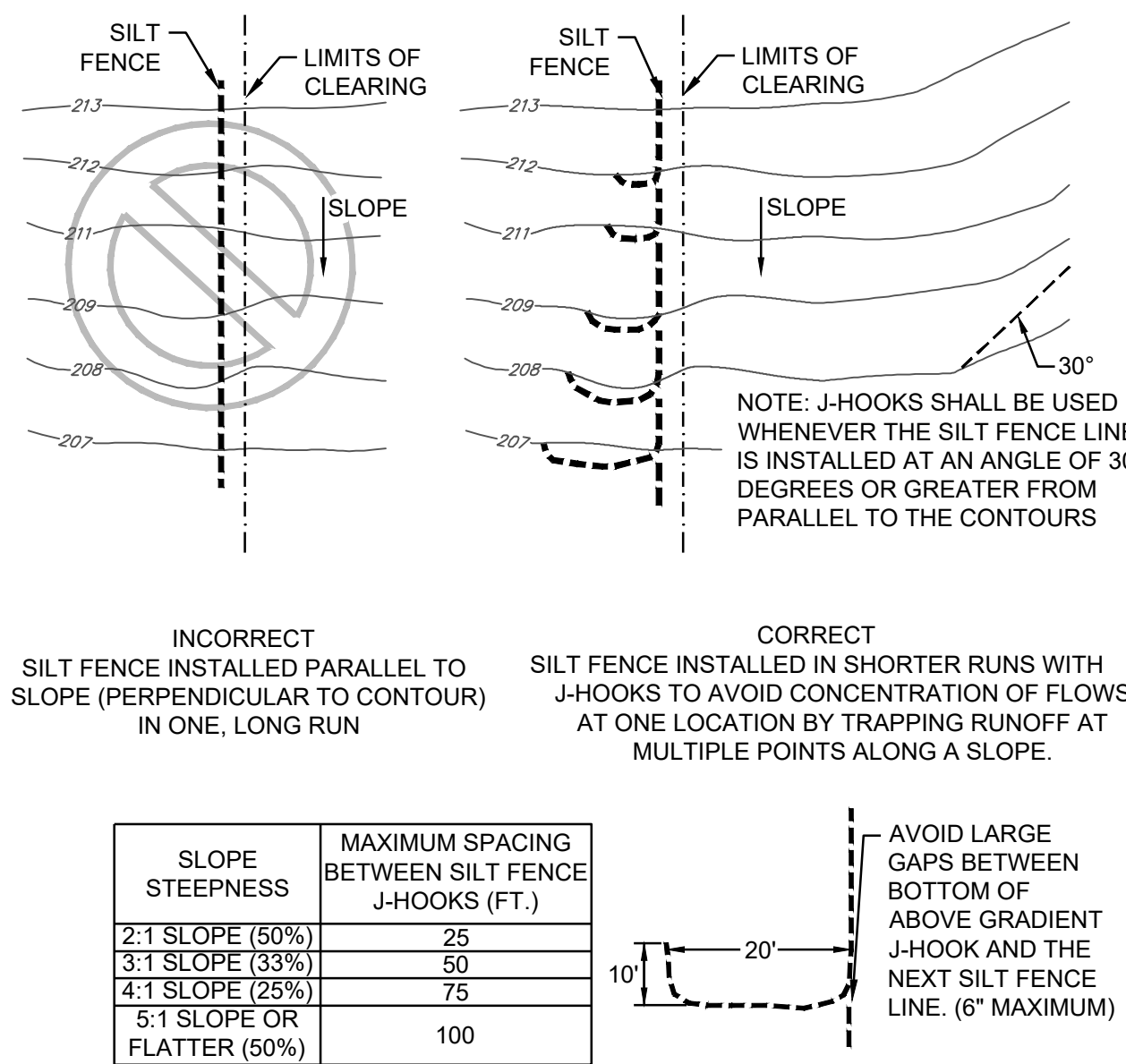
EROSION CONTROL MIX BERM SHALL BE MANUFACTURED ON OR OFF THE PROJECT SITE SUCH THAT ITS COMPOSITION IS IN ACCORDANCE WITH THE MAINE DEPT. OF EROSION CONTROL AND SEDIMENT CONTROL BMP, B-1 SEDIMENT BARRIERS. IT MUST CONSIST PRIMARILY OF ORGANIC MATERIAL, SEPARATED AT THE POINT OF GENERATION, AND MAY INCLUDE: SHREDDED BARK, STUMP GRINDINGS, COMPOSTED WOOD AND BARK CHIPS AND/OR ACCEPTABLE MANUFACTURED PRODUCTS. GROUND CONSTRUCTION DEBRIS OR REPROCESSED WOOD PRODUCTS WILL NOT BE ACCEPTABLE. ALL MATERIALS USED TO MANUFACTURE THE EROSION CONTROL MIX SHALL BE NATIVE VERMONT MATERIALS.

NOTES

- THE BARRIER MUST BE PLACED ALONG A RELATIVELY LEVEL CONTOUR.
- EXISTING GROUND SHALL BE PREPARED AS NEEDED SUCH THAT THE BARRIER LIES NEARLY FLAT ALONG THE GROUND TO AVOID THE CREATION OF VOIDS AND BRIDGES IN ORDER TO MINIMIZE THE POTENTIAL OF WASH OUTS UNDER THE BARRIER.
- ON SLOPES < 5% OR AT THE BOTTOM OF STEEPER SLOPES (<2:1) UP TO 20' LONG, THE BARRIER MUST BE A MINIMUM OF 12" HIGH, AS MEASURED ON THE UPHILL SIDE OF THE BARRIER, AND A MINIMUM OF 2 FT. WIDE. ON LONGER OR STEEPER SLOPES, THE BARRIER SHALL BE WIDER TO ACCOMMODATE ADDITIONAL FLOW.
- EROSION CONTROL MIX MAY BE INSTALLED WHERE SILT FENCE IS ILLUSTRATED AND SCHEDULED ON THE DESIGN PLANS EXCEPT IN, BUT NOT LIMITED TO, THE FOLLOWING AREAS: WETLAND AREAS, AT POINTS OF CONCENTRATED FLOW, BELOW STORMWATER END SECTIONS AT OUTFALLS, AROUND CATCH BASINS AND CLOSED STORM SYSTEMS AND AT THE BOTTOM OF STEEP SLOPES (UP TO 2:1 WITH OSPC APPROVAL) THAT ARE MORE THAN 50 FEET FROM TOP TO BOTTOM. IN WETLAND BUFFER AREAS EROSION CONTROL MIX MAY BE USED ONLY IN THE SPECIFIC AREAS THAT HAVE RECEIVED REGULATORY APPROVAL FOR DISTURBANCE FROM EITHER THE STATE OF VERMONT WETLANDS PROGRAM OR THE U.S. ARMY CORPS OF ENGINEERS. EROSION CONTROL MIX MAY NOT BE USED IN WETLAND AREAS.

TYPICAL EROSION CONTROL MIX BERM

N.T.S.



NOTES

- PROPER INSTALLATION OF J-HOOKS PROVIDES SILT FENCE THE ABILITY TO TEMPORARILY POND RUNOFF, ALLOWING TIME FOR SEDIMENTS TO SETTLE.
- LONG RUNS OF SILT FENCE BETWEEN J-HOOKS SHOULD BE AVOIDED REFER TO ADJACENT TABLE FOR PROPER SPACING OF J-HOOKS.
- J-HOOKS SHOULD BE BUILT ALONG CONTOUR IN A "SMILE" SHAPE WITH A MINIMUM WIDTH OF 20 FEET AND MINIMUM DEPTH OF 10 FEET.
- ALONG A NARROW RIGHT OF WAY, NARROWER J-HOOKS CAN BE USED WITH A HIGHER SPACING FREQUENCY.

