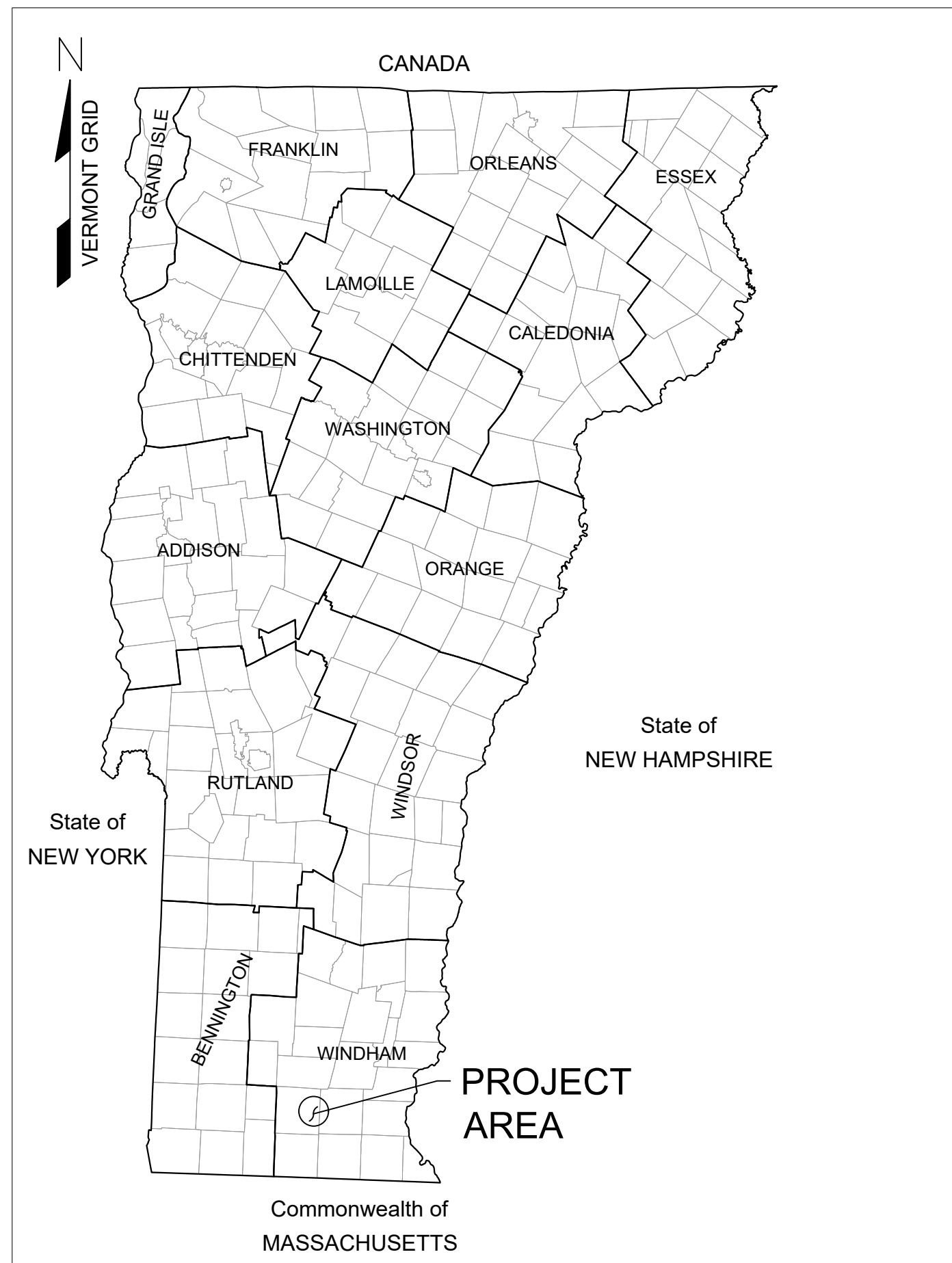


WINDHAM COUNTY NATURAL RESOURCES CONSERVATION DISTRICT

**WILMINGTON, VERMONT**  
**COUNTY OF WINDHAM**

**LAKE RAPONDA SHORELINE EROSION CONTROL,  
 GREEN MOUNTAIN BEACH  
 60% CONSTRUCTION SET**

**NOT FOR  
 CONSTRUCTION  
 PRELIMINARY  
 PLANS**



**LOCATION MAP**  
 NOT TO SCALE

PROJECT LOCATION: PROJECT SITE IS LOCATED AT GREEN MOUNTAIN BEACH ON THE EASTERN SHORE OF LAKE RAPONDA, WILMINGTON, VT  
 PROJECT DESCRIPTION: CONSTRUCTION OF NEW INFILTRATION PRACTICES, SEATING, VEGETATION, AND IMPROVEMENTS TO EXISTING SITE PLANTED AREAS

REVISIONS	REVISION DESCRIPTION	BY		DATE		NUMBER	

CLIENT NAME  
 WINDHAM COUNTY  
 NATURAL  
 RESOURCES  
 CONSERVATION  
 DISTRICT

PROJECT NAME  
 LAKE RAPONDA  
 SHORELINE  
 EROSION CONTROL  
 60% DESIGN  
  
 GREEN MOUNTAIN  
 BEACH  
 WILMINGTON, VT

SHEET TITLE  
  
 TITLE SHEET

D&K PROJECT # 230341P1 | PROJ. ENG. CJR

DRAWN BY KAC | CHECKED BY ANH

DATE 5/11/2026

SHEET NUMBER  
**G-1.0**

SHEET: 1 of 9

SHEET INDEX	
Sheet Number	Sheet Title
G-1.0	TITLE SHEET
G-1.1	NOTES
L-1.0	EX CONDITIONS
L-1.1	SITE PLAN
L-3.0	PLANTING PLAN
L-5.0	DETAILS-EPSC
L-5.1	DETAILS
L-5.2	DETAILS
L-5.3	PLANTING DETAILS



**PROJECT LOCATION MAP**  
 NOT TO SCALE

**NOT FOR CONSTRUCTION PRELIMINARY PLANS**

REVISIONS	NUMBER	DATE	REVISION DESCRIPTION	BY

**CLIENT NAME**  
WINDHAM COUNTY  
NATURAL RESOURCES  
CONSERVATION DISTRICT

**PROJECT NAME**  
LAKE RAPONDA  
SHORELINE EROSION CONTROL  
60% DESIGN

**GREEN MOUNTAIN BEACH  
WILMINGTON, VT**

**SHEET TITLE**

**NOTES**

D&K PROJECT # 230341P1 PROJ. ENG. CJR

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DATE 5/11/2026

SHEET NUMBER

**G-1.1**

**GENERAL NOTES**

**GENERAL CONDITIONS**

- SITE WORK SHALL BE CONSTRUCTED FROM A COMPLETE SET OF PLANS. THE ENGINEER/ LANDSCAPE ARCHITECT IS TO BE NOTIFIED OF ANY CONFLICT WITHIN THIS PLAN SET. A SET OF CONSTRUCTION PLANS SHALL BE ON SITE AND IN GOOD CONDITION AT ALL TIMES DURING CONSTRUCTION ACTIVITIES.
- CONTRACTOR IS TO VERIFY ALL INDICATED CONDITIONS AND DIMENSIONS IN THE FIELD BEFORE COMMENCING ANY FABRICATION, ORDERING OF MATERIAL, OR PERFORMING ANY WORK. NOTIFY THE ENGINEER/LANDSCAPE ARCHITECT OF ANY CONDITIONS OR DIMENSIONS THAT WOULD PREVENT OR HAMPER THE PERFORMANCE OF THE WORK IN ACCORDANCE WITH THE CONTRACT DRAWINGS.
- THE PHRASES "REMOVE AND REPLACE" OR "REMOVE AND INSTALL" SHALL MEAN REMOVE EXISTING MATERIALS AND REPLACE WITH NEW MATERIALS AS NOTED ON THE DRAWINGS AND/OR SPECIFIED.
- CONTRACTOR PARKING AND STAGING AT PROJECT SITE SHALL BE COORDINATED WITH THE STATE.
- CONTRACTOR SHALL PREVENT EXCESSIVE ICE, MUD, SOIL, CLAY, AND LIKE MATERIALS THAT MAY ADHERE, FROM COMING INTO CONTACT WITH THE STONES FOR WALLS OR PATIOS. SUCH MATERIALS, IF PRESENT ON THE STONES, MUST BE REMOVED PRIOR TO BUILDING.
- THE LATEST VTRANS STANDARD SPECIFICATIONS SHALL BE UTILIZED FOR THIS PROJECT.

**EXISTING INFORMATION**

- PROPERTY LINES WERE OBTAINED FROM VERMONT CENTER FOR GEOGRAPHICAL INFORMATION AND ARE INCLUDED FOR ILLUSTRATIVE PURPOSES ONLY. NO BOUNDARY SURVEY WAS COMPLETED AS PART OF THIS PROJECT.

**CODES & PERMITS**

- THE CONTRACTOR IS RESPONSIBLE FOR BEING FAMILIAR WITH THE REQUIREMENTS OF THE PERMITS FOR COMPLIANCE DURING CONSTRUCTION. THE CONTRACTOR SHALL MAINTAIN A COPY OF THE PERMITS ON SITE DURING ALL CONSTRUCTION ACTIVITIES.
- THE CONTRACTOR IS RESPONSIBLE FOR PERFORMING ALL WORK IN STRICT ACCORDANCE WITH ALL MUNICIPAL, STATE, & FEDERAL ORDINANCES, CODES, RULES, AND LAWS HAVING JURISDICTION. THE CONTRACTOR SHALL NOT PROCEED WITH ANY WORK WHICH DOES NOT COMPLY COMPLETELY WITH ALL MUNICIPAL, STATE, & FEDERAL ORDINANCES, CODES, RULES, AND LAWS HAVING JURISDICTION.

**SITE MAINTENANCE**

- ALL AREAS OUTSIDE THE LIMITS OF CONSTRUCTION WHICH ARE DAMAGED BY THE CONTRACTOR SHALL BE RESTORED TO THEIR ORIGINAL CONDITION TO THE SATISFACTION OF THE ENGINEER/LANDSCAPE ARCHITECT.
- UPON COMPLETION OF THE WORK, REMOVE ALL DEBRIS, EQUIPMENT AND UNUSED MATERIALS FROM STATE PROPERTY AND RESTORE TO ITS ORIGINAL CONDITION, AS APPROVED BY THE ENGINEER/ LANDSCAPE ARCHITECT.

**GRADING**

- ANY EXCESS MATERIAL TO BE DISPOSED OF OFF SITE SHALL BE REMOVED AT NO ADDITIONAL COST UNLESS OTHERWISE APPROVED IN ADVANCE BY THE ENGINEER/ LANDSCAPE ARCHITECT. MATERIAL SHALL BE DISPOSED OF IN AN APPROVED LOCATION AWAY FROM WETLANDS, FLOODPLAIN, OR OTHER SENSITIVE AREAS.
- ALL REMOVED TOPSOIL SHALL BE SCREENED AND STOCKPILED FOR FUTURE REUSE. CONTRACTOR SHALL NOT MIX ANY WOODY VEGETATION, TREE STUMPS, ROOTS OR OTHER NON-SUITABLE MATERIAL WITH THE STOCKPILED TOPSOIL.

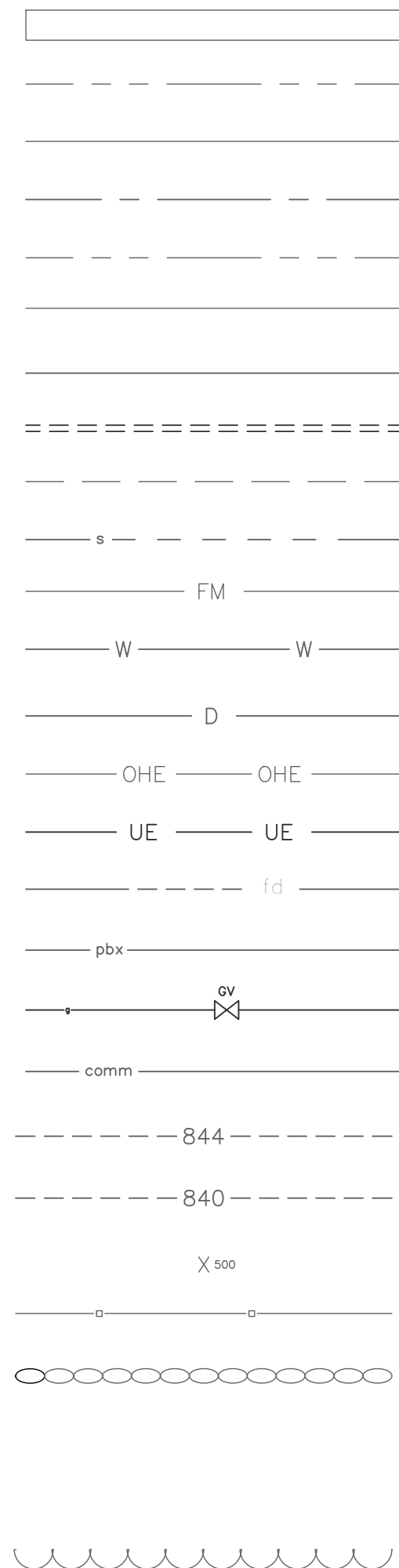
**EROSION CONTROL**

- CONTRACTOR SHALL CONSTRUCT TEMPORARY AND PERMANENT EROSION PREVENTION AND SEDIMENTATION CONTROL (EPSC) FACILITIES PRIOR TO THE COMMENCEMENT OF EARTHWORK OPERATIONS. EPSC MEASURES SHALL INCLUDE, BUT ARE NOT LIMITED TO, ITEMS IDENTIFIED WITHIN THIS PLAN SET OR WITHIN THE

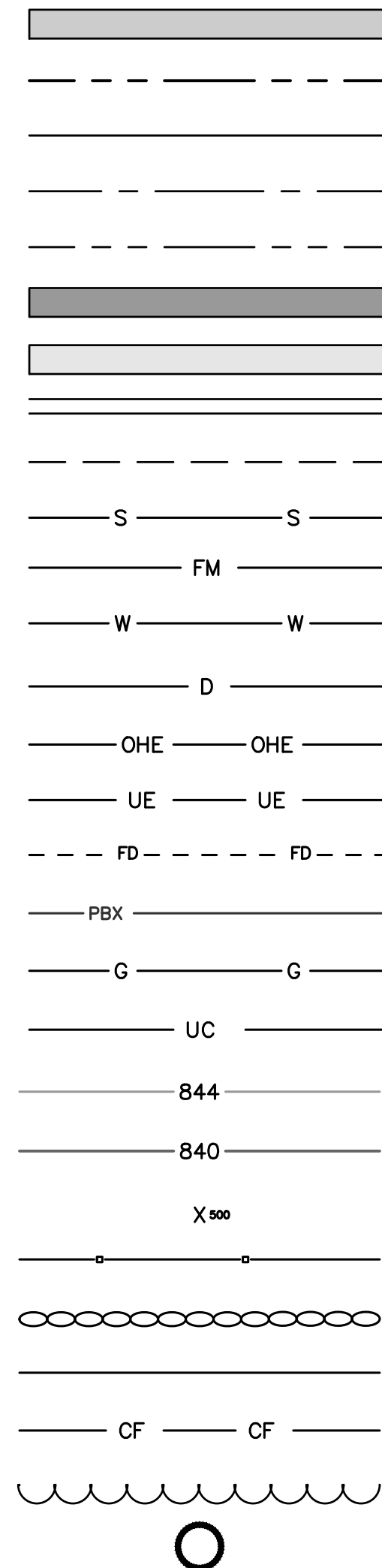
VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION (VTDEC) BEST MANAGEMENT PRACTICES (BMPs) FOR EROSION CONTROL. SEE EPSC.

- THE CONTRACTOR SHALL CONSTRUCT AND MAINTAIN EPSC DEVICES THROUGHOUT THE PROJECT SITE FOR THE DURATION OF THE CONSTRUCTION. THE CONTRACTOR SHALL (DAILY OR AS REQUIRED BASIS) INSPECT AND RECORD FINDINGS OF ALL EPSC DEVICES TO ENSURE THAT ALL ITEMS ARE IN SATISFACTORY CONDITION. IN THE EVENT THAT SAID ITEMS ARE DETERMINED TO BE IN UNSATISFACTORY CONDITION, THE CONTRACTOR SHALL RECORD THE UNSATISFACTORY ISSUE, THE DATE OF THE UNSATISFACTORY FINDING, THE APPROPRIATE CORRECTIVE MEASURE AND THE DATE THE CORRECTIVE MEASURE WAS COMPLETED.
- ALL DISTURBED AREAS SHALL NOT BE LEFT BARE FOR MORE THAN 30 DAYS. SHALL BE STABILIZED IN A MANNER TO MITIGATE EROSION OR SEDIMENTATION FROM EXITING THE LIMIT OF WORK AND SHALL BE RESTORED IN-KIND UPON COMPLETION OF THE PROJECT. THE MAXIMUM AREA ALLOWED TO BE DISTURBED AND LEFT UNSTABILIZED IS TWO ACRES PER DRAINAGE AREA.
- ALL SLOPES GREATER THAN 1V:3H SHALL BE PROTECTED FROM EROSION WITH APPROPRIATE SLOPE STABILIZATION CONTROL MEASURES PRIOR TO LOAMING, SEEDING AND MULCHING WITHIN 72 HOURS OF COMPLETION. CONTRACTOR SHALL MAINTAIN EROSION CONTROL PROTECTION UNTIL VEGETATION GROWTH HAS BEEN ESTABLISHED. ALL SLOPE STABILIZATION CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION AND VERMONT BEST MANAGEMENT PRACTICES.
- ALL SWALES AND DITCHES WITH SLOPES EXCEEDING 5% SLOPE SHALL BE PROTECTED FROM EROSION WITH MATTING. ALL MATTING SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION. ALL SWALES AND DITCHES SHALL BE PROPERLY STABILIZED PRIOR TO DIRECTING FLOW TO THEM.
- THE CONTRACTOR SHALL NOT PLACE PERMANENT PLANTING AND SEEDING PRIOR TO MAY 1ST NOR AFTER OCTOBER 1ST. TEMPORARY SEEDING SUCH AS WINTER RYE MAY BE USED OUTSIDE OF THIS PERIOD.
- ALL WORK MUST BE DONE IN A MANNER WHICH MINIMIZES THE POTENTIAL FOR THE DISCHARGE OF SEDIMENT-LADEN WATER. CONTRACTOR IS RESPONSIBLE FOR DIVERTING, PUMPING, OR OTHERWISE CONTROLLING WATER AS NECESSARY.

**EXISTING**



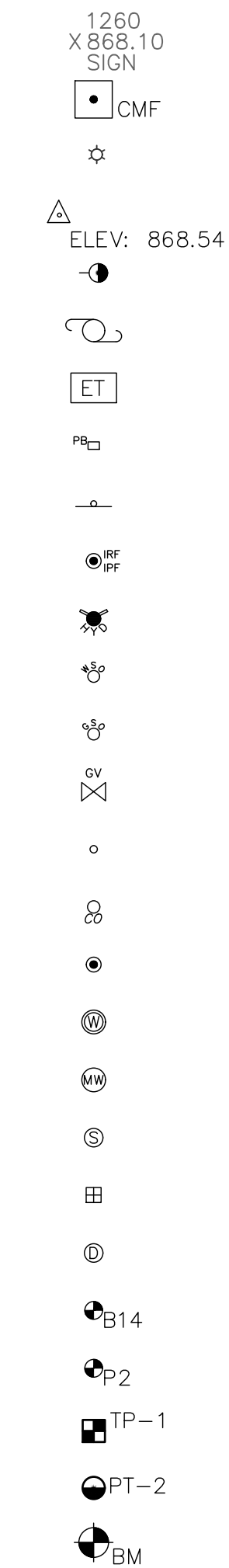
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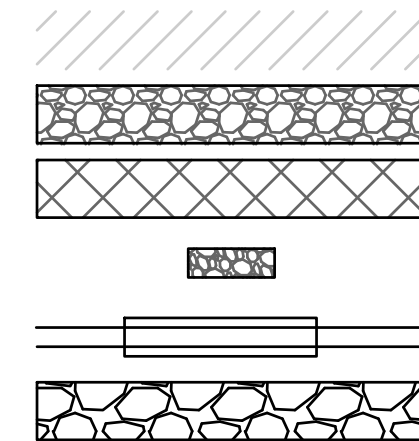
**LEGEND**

- STRUCTURES & BUILDINGS
- APPROXIMATE PROPERTY LINE
- APPROXIMATE SETBACK LINE
- APPROXIMATE CENTER LINE
- APPROXIMATE EASEMENT LINE
- PAVED ROAD & DRIVE
- CONCRETE SIDEWALK
- CONCRETE CURB
- GRAVEL ROAD & DRIVE & TRAILS
- GRAVITY SEWER
- FORCE MAIN
- WATER LINE
- STORMWATER LINE
- OVERHEAD UTILITIES
- UNDERGROUND POWER
- FOUNDATION DRAIN
- PRIVATE BRANCH EXCHANGE LINE
- GAS MAIN
- UNDERGROUND COMMUNICATIONS
- 2' CONTOUR ELEVATION
- 10' CONTOUR ELEVATION
- SPOT ELEVATION
- FENCE
- STONEWALL
- SILT FENCE
- CONSTRUCTION FENCE
- EDGE OF VEGETATION
- INLET PROTECTION

**EXISTING**



**PROPOSED**



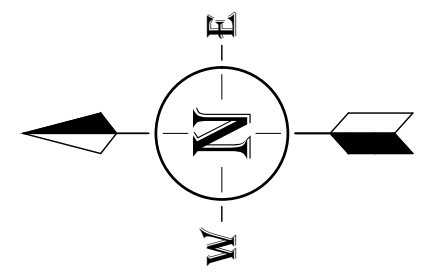
- DEMOLITION
- EROSION STONE
- EROSION CONTROL MATTING
- CHECK DAM
- SLEEVED PIPE
- RIPRAP
- CONCRETE & GRANITE BOUND
- LIGHT POLE
- HORIZONTAL/VERTICAL CONTROL
- GUY POLE
- UTILITY POLE
- UNDERGROUND UTILITY VAULT
- PULL BOX
- SIGN
- IRON PIPE - IRON ROD
- HYDRANT
- WATER SHUT-OFF
- GAS SHUT-OFF
- GATE VALVE
- BOLLARD
- CLEANOUT
- AREA DRAIN
- WELL
- MONITORING WELL
- SEWER MANHOLE
- CATCH BASIN
- STORMWATER MANHOLE
- BORING
- PROBE
- TEST PIT
- PERC. TEST
- BENCHMARK

**TYPICAL ABBREVIATIONS:**

AASHTO = AMERICAN ASSOCIATION OF STATE HIGHWAY & TRANSPORTATION OFFICIALS  
 ASTM = AMERICAN SOCIETY OF TESTING MATERIALS  
 B = BORING  
 BIT = BITUMINOUS  
 BM = BENCH MARK  
 BMP = BEST MANAGEMENT PRACTICE  
 CB = CATCH BASIN  
 CF = CUBIC FEET, OR CONSTRUCTION FENCE  
 CFS = CUBIC FEET PER SECOND  
 CMP = CORRUGATED METAL PIPE  
 CY = CUBIC YARD  
 DWL = DOWEL  
 ELEV = ELEVATION  
 EPSC = EROSION PREVENTION AND SEDIMENT CONTROL  
 EW = EACH WAY  
 EX = EXISTING  
 FE = FLANGED END  
 FFE = FINISHED FLOOR ELEVATION  
 FT = FOOT, FEET  
 GV = GATE VALVE  
 HDPE = HIGH DENSITY POLYETHYLENE  
 HYD = HYDRANT  
 ID = INSIDE DIAMETER  
 IN = INCH  
 INV = INVERT

LF = LINEAR FEET, LINEAL FEET  
 MAX = MAXIMUM  
 MIN = MINIMUM  
 N/F = NOW OR FORMERLY  
 NTS = NOT TO SCALE  
 OD = OUTSIDE DIAMETER  
 OHT&P = OVERHEAD TELEPHONE & POWER  
 PCA = PORTLAND CEMENT ASSOCIATION  
 PL = PROPERTY LINE  
 PVC = POLYVINYLCHLORIDE  
 ROW = RIGHT-OF-WAY  
 S = SEWER  
 SF = SQUARE FEET, OR SILT FENCE  
 SD = STORM DRAIN  
 SMH = SEWER MANHOLE  
 SY = SQUARE YARDS  
 T = TELEPHONE  
 TBM = TEMPORARY BENCHMARK  
 TP = TEST PIT, OR TURNING POINT  
 TYP = TYPICAL  
 UGT&P = UNDERGROUND TELEPHONE & POWER  
 UP = UTILITY POLE  
 VAOT = VERMONT AGENCY OF TRANSPORTATION  
 VT DEC = VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
 VTRANS = VERMONT AGENCY OF TRANSPORTATION

**NOT FOR CONSTRUCTION PRELIMINARY PLANS**



**LEGEND**

- PROPERTY LINE
- EXISTING CONTOUR
- STORM DRAIN/CULVERT PIPE
- MEAN WATER LEVEL
- STREAM CENTERLINE
- SWALE CENTERLINE
- TREE LINE
- FENCE
- FLOW DIRECTION
- FLOW DIRECTION WITH HIGHPPOINT
- GRAVEL ROAD
- DELINEATED WETLANDS
- INFERRERD WETLANDS
- PROTECTED VEGETATION
- EX. EVERGREEN TREE
- EX. DECIDUOUS TREE

NOTES:  
ALL SITE ELEMENT LOCATIONS ARE APPROXIMATE, VERIFY IN FIELD ALL SITE ELEMENT



REVISIONS	
NUMBER	REVISION DESCRIPTION

CLIENT NAME  
WINDHAM COUNTY  
NATURAL  
RESOURCES  
CONSERVATION  
DISTRICT

PROJECT NAME  
LAKE RAPONDA  
SHORELINE  
EROSION CONTROL  
60% DESIGN

GREEN MOUNTAIN  
BEACH  
WILMINGTON, VT

SHEET TITLE

EX CONDITIONS

D&K PROJECT #  
230341P1

PROJ. ENG.  
CJR

DRAWN BY  
KAC

CHECKED BY  
ANH

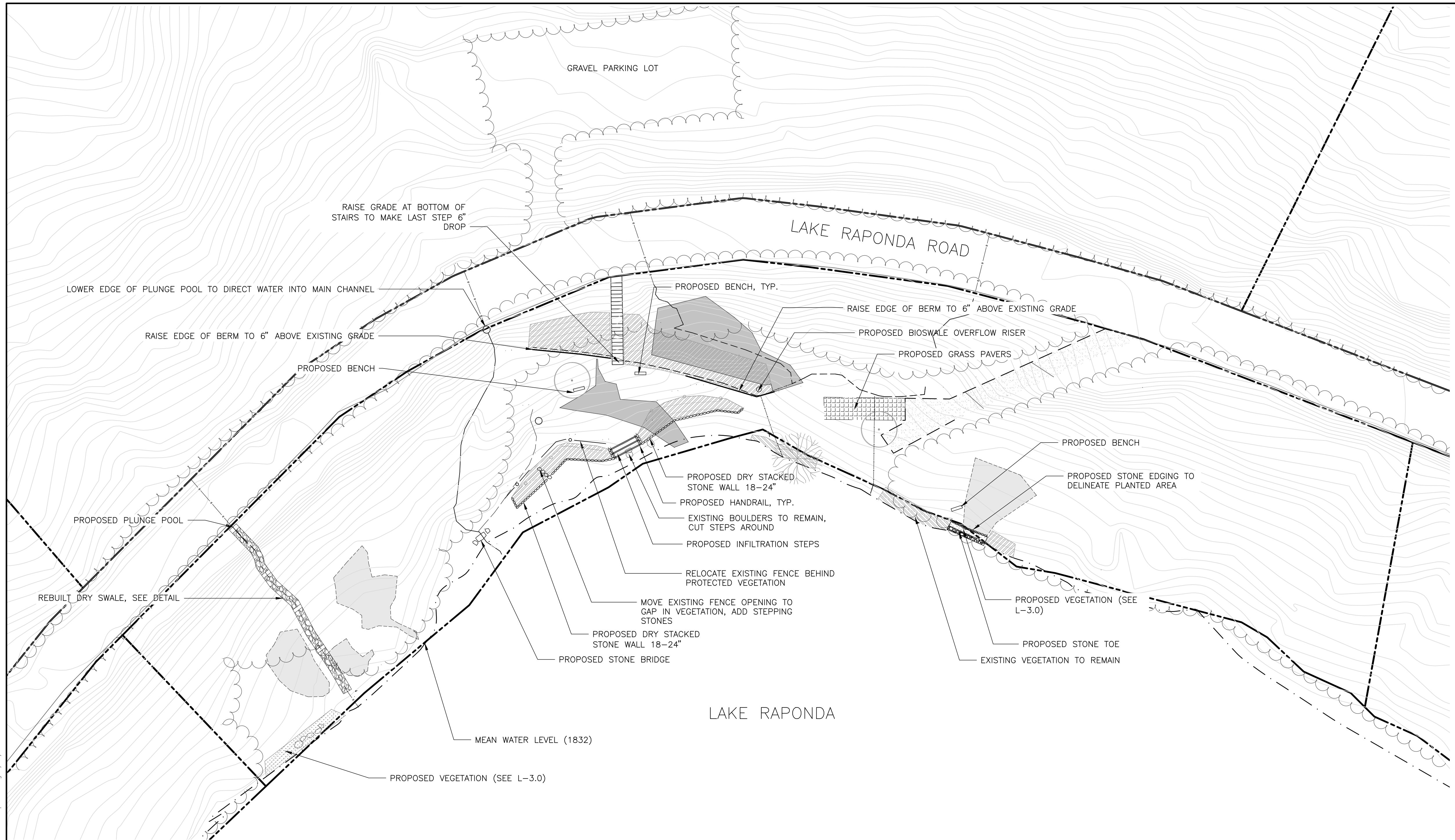
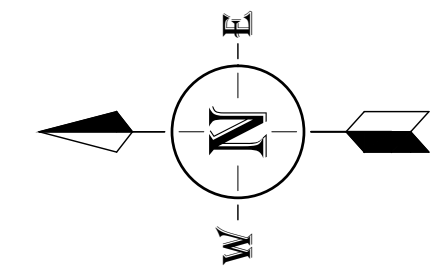
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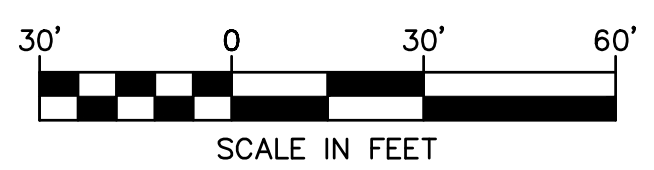
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**NOT FOR CONSTRUCTION PRELIMINARY PLANS**



- LEGEND**
- PROPERTY LINE
  - - - EXISTING CONTOUR
  - o — STORM DRAIN/CULVERT PIPE
  - - - MEAN WATER LEVEL
  - STREAM CENTERLINE
  - - - SWALE CENTERLINE
  - TREE LINE
  - FENCE
  - FLOW DIRECTION
  - FLOW DIRECTION WITH HIGHPOINT
  - GRAVEL ROAD
  - ▨ DELINEATED WETLANDS
  - ▨ INFERRERD WETLANDS
  - ▨ PROTECTED VEGETATION
  - ☘ EX. EVERGREEN TREE
  - EX. DECIDUOUS TREE
  - PROPOSED PLANTINGS



NOTES:  
 ALL SITE ELEMENT LOCATIONS ARE APPROXIMATE, VERIFY IN FIELD ALL SITE ELEMENT

REVISIONS	BY	DATE	NUMBER
	REVISION DESCRIPTION		

CLIENT NAME  
 WINDHAM COUNTY  
 NATURAL RESOURCES  
 CONSERVATION DISTRICT

PROJECT NAME  
 LAKE RAPONDA  
 SHORELINE  
 EROSION CONTROL  
 60% DESIGN

GREEN MOUNTAIN  
 BEACH  
 WILMINGTON, VT

SHEET TITLE  
 SITE PLAN

D&K PROJECT # 230341P1	PROJ. ENG. CJR
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DATE  
5/11/2026

SHEET NUMBER  
**L-1.1**

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**NOT FOR CONSTRUCTION PRELIMINARY PLANS**

REVISIONS	NUMBER	DATE	REVISION DESCRIPTION	BY

CLIENT NAME  
 WINDHAM COUNTY  
 NATURAL RESOURCES  
 CONSERVATION DISTRICT

PROJECT NAME  
 LAKE RAPONDA  
 SHORELINE  
 EROSION CONTROL  
 60% DESIGN

GREEN MOUNTAIN  
 BEACH  
 WILMINGTON, VT

SHEET TITLE

PLANTING PLAN

D&K PROJECT # 230341P1 PROJ. ENG. CJR

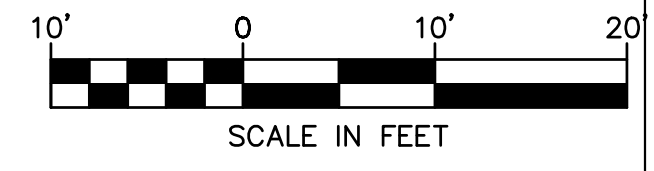
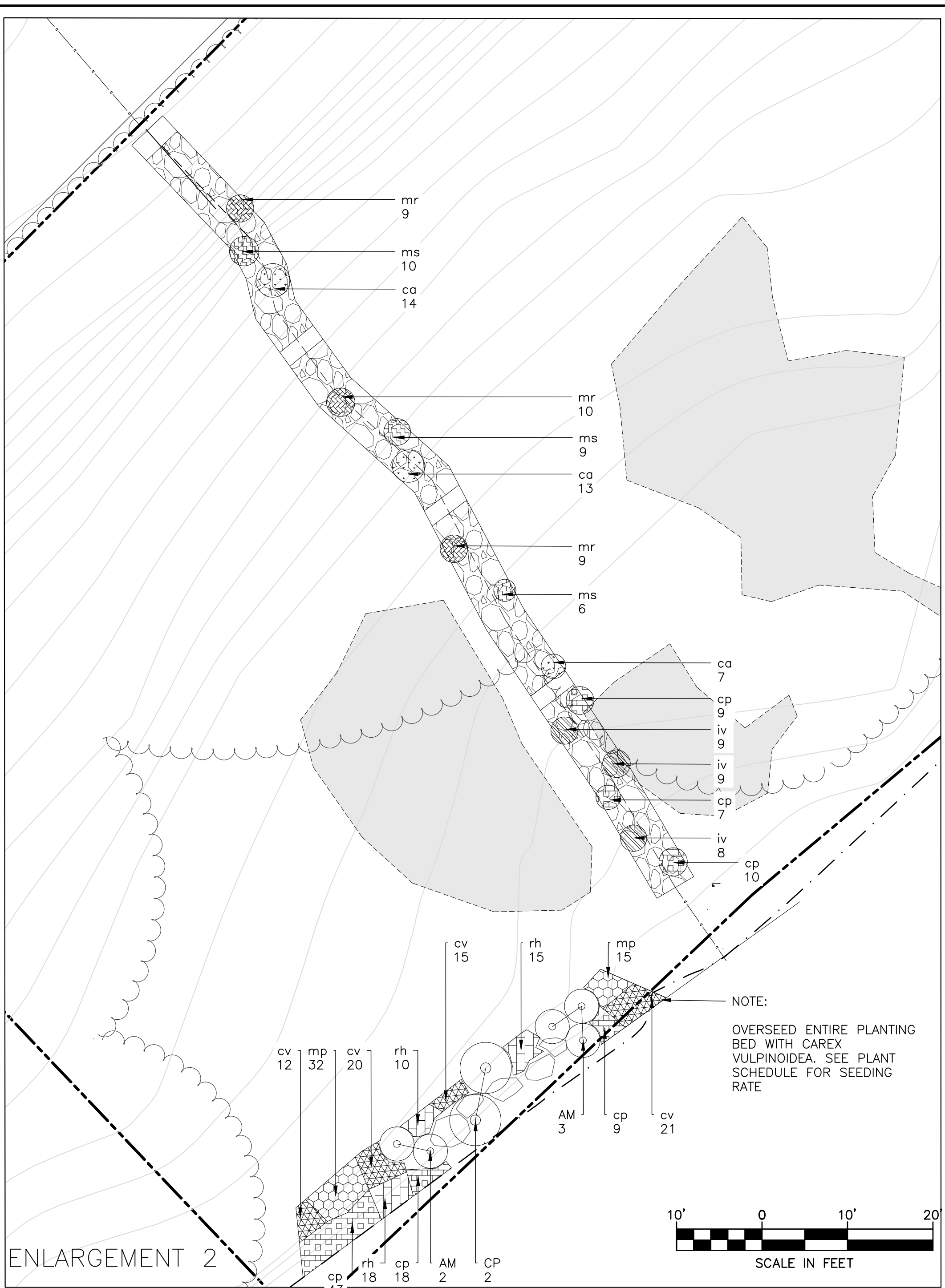
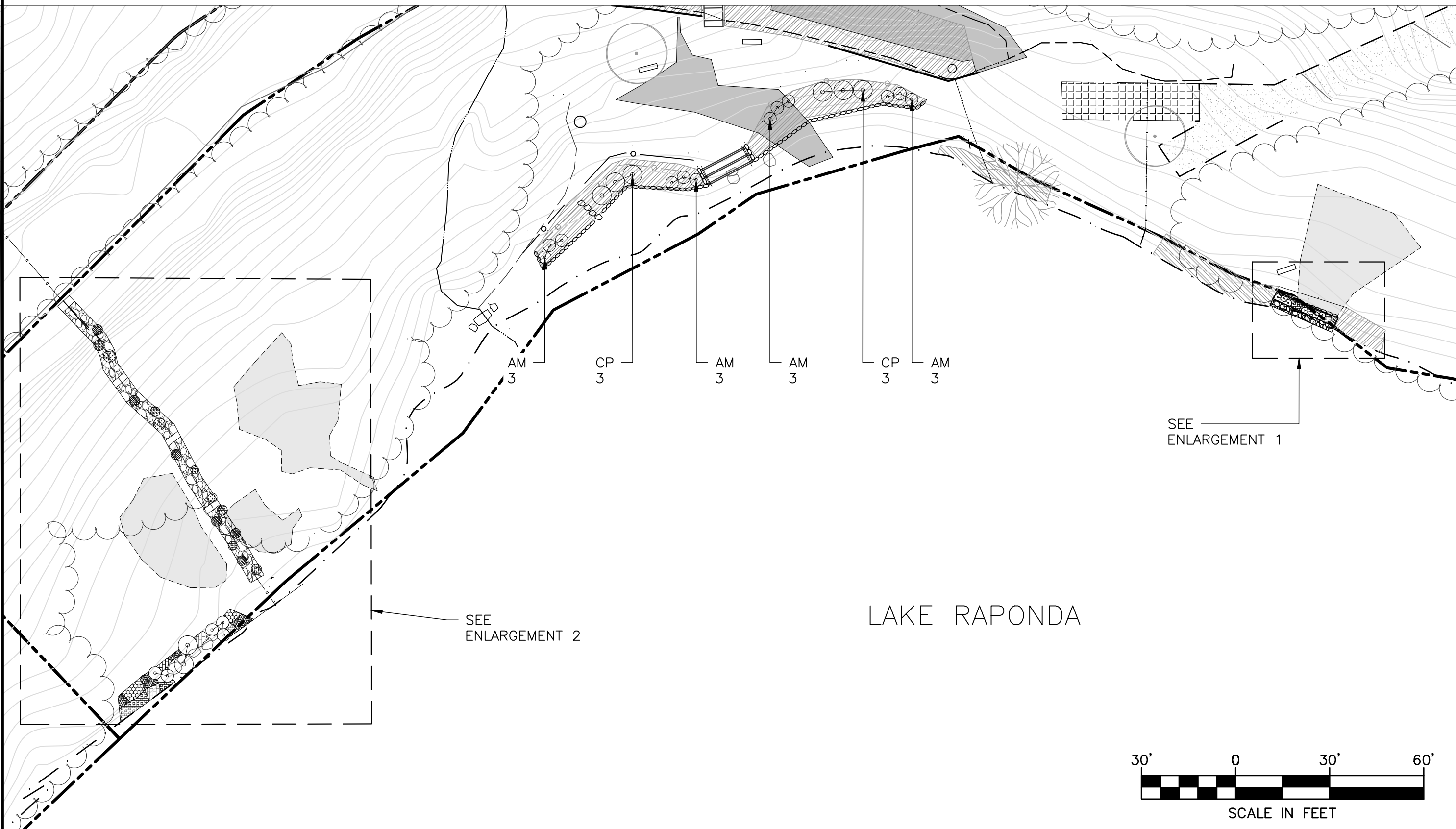
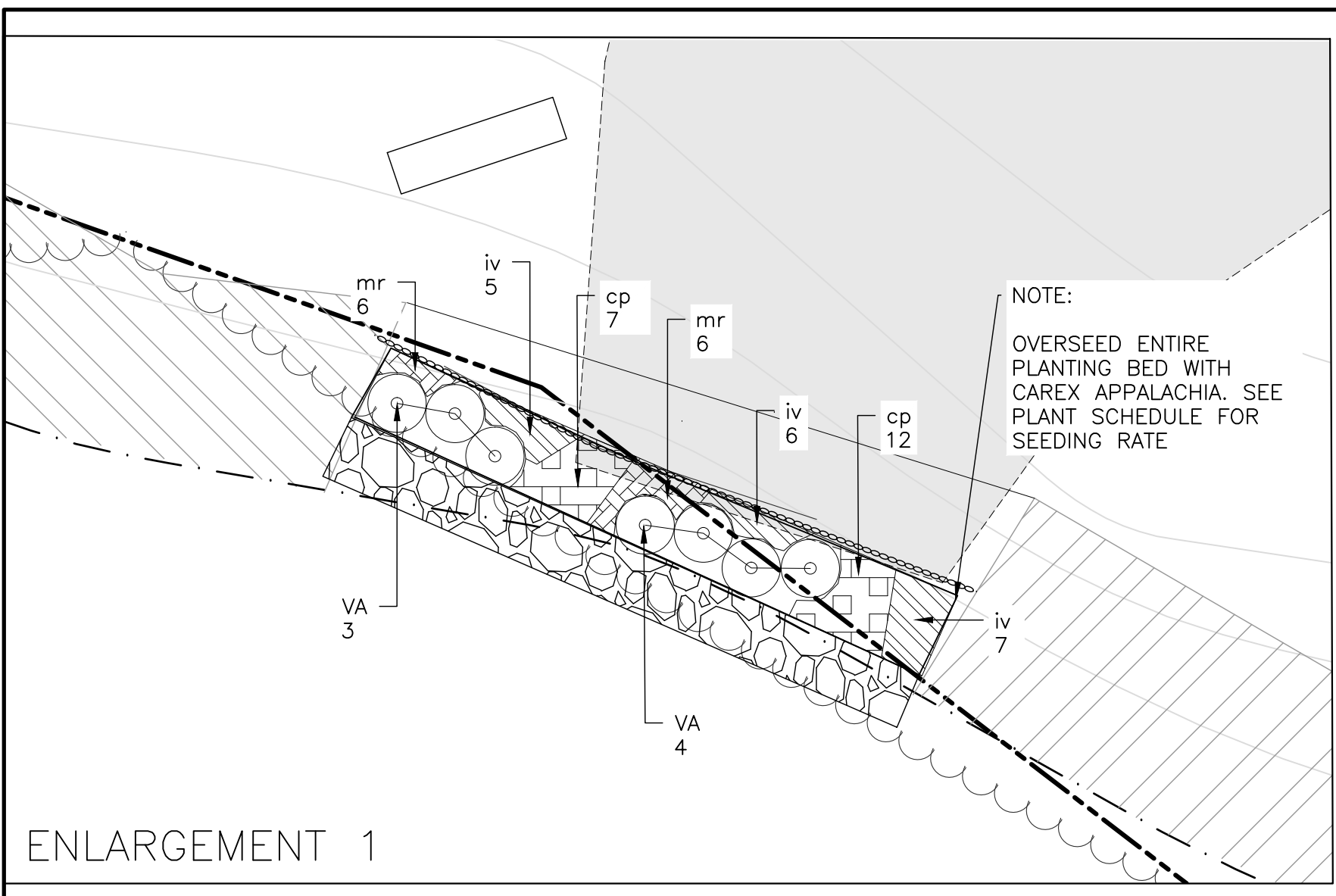
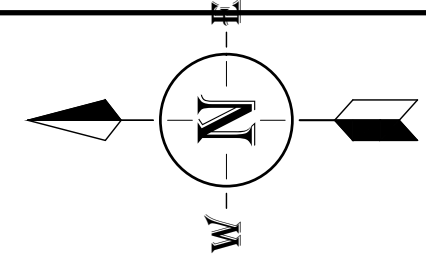
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SHEET: 5 of 9



**LEGEND**

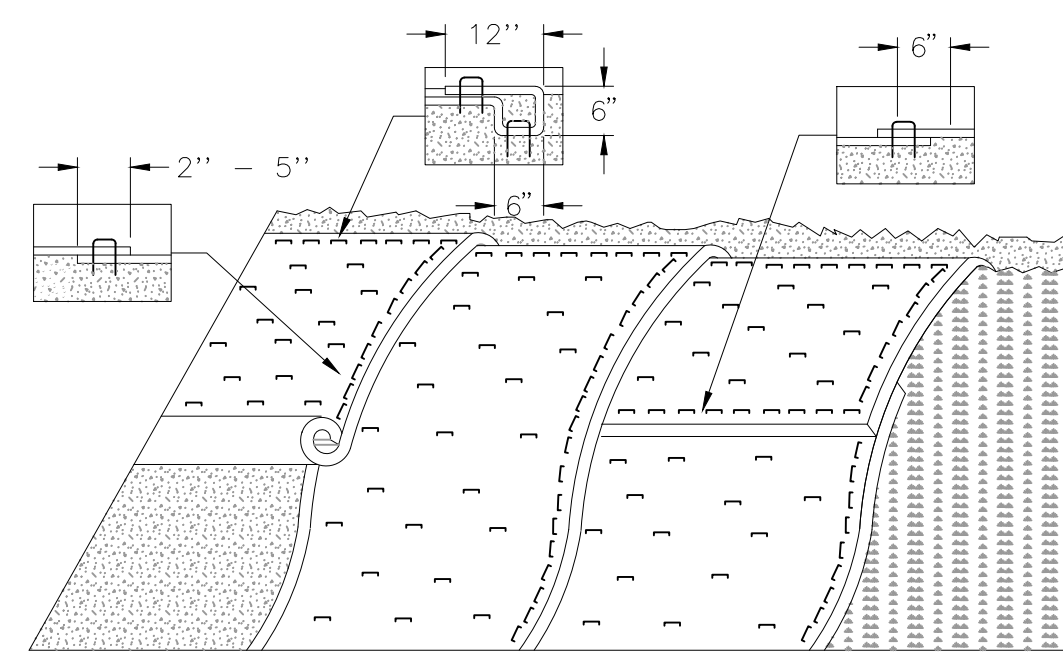
- PROPERTY LINE
- - - EXISTING CONTOUR
- o — STORM DRAIN/CULVERT PIPE
- MEAN WATER LEVEL
- STREAM CENTERLINE
- - - SWALE CENTERLINE
- TREE LINE
- FENCE
- FLOW DIRECTION
- FLOW DIRECTION WITH HIGHPOINT
- GRAVEL ROAD
- ▨ DELINEATED WETLANDS
- ▨ INFERRED WETLANDS
- ▨ PROTECTED VEGETATION
- PROPOSED SHRUB
- EX. EVERGREEN TREE
- EX. DECIDUOUS TREE
- ▨ HERBACEOUS PLANTING AREA

NOTES:  
 ALL SITE ELEMENT LOCATIONS ARE APPROXIMATE, VERIFY IN FIELD ALL SITE ELEMENT

PLANT SCHEDULE						
KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
<b>SHRUBS</b>						
AM	17	<i>Aronia melanocarpa</i> 'Low Scape'	Black Chokeberry	5 gal.	Cont.	4' O.C.
CP	8	<i>Comptonia peregrina</i>	Sweetfern	5 gal.	Cont.	6' O.C.
VA	7	<i>Vaccinium angustifolium</i>	Lowbush Blueberry	5 gal.	Cont.	2' O.C.
<b>HERBACEOUS PLANTINGS</b>						
34	ca	<i>Carex appalachia</i>	Appalachian Sedge	quart pot	Cont.	12" O.C.
68	cv	<i>Carex vulpinoidea</i>	Fox Sedge	quart pot	Cont.	12" O.C.
115	cp	<i>Catha palustris</i>	Marsh Marigold	quart pot	Cont.	12" O.C.
25	ms	<i>Matteuccia struthiopteris</i>	Ostrich Fern	quart pot	Cont.	12" O.C.
40	mr	<i>Mitchella repens</i>	Partridgeberry	quart pot	Cont.	12" O.C.
44	iv	<i>Iris versicolor</i>	Blueflag Iris	quart pot	Cont.	12" O.C.
47	mp	<i>Mondarda punctata</i>	Spotted Bee Balm	quart pot	Cont.	12" O.C.
43	rh	<i>Ruellia humilis</i>	Wild Petunia	quart pot	Cont.	12" O.C.
<b>MISC. ITEMS/SEED MIXES</b>						
<b>SEEDING RATE</b>		<b>SEED SPECIES</b>	<b>SUPPLIER</b>	<b>SEEDING AREA</b>		
2 oz per 1,000 sq feet		<i>Carex appalachia</i>		59 sq ft		
2 oz per 1,000 sq feet		<i>Carex vulpinoidea</i>		271 sqft		

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**NOT FOR CONSTRUCTION PRELIMINARY PLANS**



**EROSION PREVENTION FOR SIDE SLOPES NOT TO SCALE**

**APPLICATION NOTES:**

- A. THE PURPOSE OF MATTING ON SIDE SLOPES IS TO REDUCE EROSION AND AID THE ESTABLISHMENT OF VEGETATION
- B. EROSION CONTROL MATTING SHALL BE USED FOR THE FOLLOWING REASONS:
- \* SIDE SLOPES > 3:1 (H:V)
  - \* AREAS WHERE SEED AND MULCH WILL NOT STAY IN PLACE ALONE
  - \* WHERE SEEDING IS OUTSIDE THE GROWING SEASON.

**GENERAL NOTES:**

- GRADE AND SMOOTH THE SLOPE TO PROVIDE GOOD MATTING TO SOIL SURFACE CONTACT.
- APPLY FERTILIZER, LIME, AND SEED PRIOR TO PLACING MATTING.
- ANCHOR MATTING AS SHOWN, UTILIZING ANCHOR STAPLES. STAPLE PLACEMENT SHALL BE DETERMINED BY THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- UNROLL MATTING VERTICALLY DOWN SLOPE IN THE DIRECTION OF WATER FLOW.
- OVERLAP UPPER MATTING OVER LOWER MATTING AS SHOWN.
- OVERLAP ADJACENT MATTING AS SHOWN.
- CUT EXCESS MATTING AT END OF SLOPE AND ANCHOR THE END.
- EROSION CONTROL MATTING SHALL BE 100% BIODEGRADABLE.
- MEASURES SHALL BE INSPECTED EVERY SEVEN (7) CALENDAR DAYS MINIMUM AND WITHIN 24 HOURS OF A STORM EVENT GREAT ENOUGH TO CAUSE WATER TO LEAVE THE CONSTRUCTION SITE.
- MATTING SHALL BE REPAIRED AND RESTAPLED AS NECESSARY TO ENSURE PROPER FUNCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE INSTALLATION, INSPECTION AND MAINTENANCE OF ALL EROSION PREVENTION AND SEDIMENT CONTROL MEASURES.

**WINTER CONSTRUCTION**

SITE CONSTRUCTION MAY CONTINUE THROUGH THE WINTER MONTHS ON THIS PROJECT. IT IS IMPERATIVE THAT ALL EROSION PREVENTION AND SEDIMENT CONTROL MEASURES BE IN PLACE AND FUNCTIONING TO ENSURE THEIR EFFECTIVENESS THROUGH THE WINTER AND SPRING SEASON. WINTER IN VERMONT CAN DIMINISH THE EFFECTIVENESS OF CONTROLS AND PREDISPOSE A SITE TO SEVERE EROSION AND SEDIMENTATION. DISTURBED AND BARE SOIL THAT IS WELL-FROZEN IS QUITE RESISTANT TO EROSION. HOWEVER, SEVERE EROSION OCCURS DURING THE MIDWINTER AND SPRING THAWS WHEN MELTING SNOW, THAWING SOILS AND HEAVY RAINS PRODUCE INTENSE RUNOFF OVER SATURATED UNSTABLE SOILS. FOR THESE REASONS, SOIL DISTURBANCES SHALL BE STABILIZED BY PRIOR TO THE START OF THE WINTER CONSTRUCTION SEASON (OCTOBER, 15TH). ALL EARTHWORK CONTINUING DURING THE WINTER CONSTRUCTION SEASON SHALL BE STABILIZED IN ACCORDANCE WITH THE STATE OF VERMONT EROSION PREVENTION AND SEDIMENT CONTROL REQUIREMENTS FOR WINTER CONSTRUCTION.

**INSPECTION AND MAINTENANCE**

INSPECT EROSION PREVENTION AND SEDIMENT CONTROL MEASURES MORE FREQUENTLY IN THE WINTER AND SPRING THAN IN THE SUMMER. PAY CAREFUL ATTENTION TO WEATHER PREDICTIONS. WATCH FOR PREDICTED THAWS OR HEAVY RAINS. BEFORE SUCH EVENTS, CHECK ALL CONTROL MEASURES TO BE SURE THAT STRUCTURES WILL MANAGE THE POTENTIALLY HEAVY AND INTENSE RUNOFF AND SEDIMENT. PRACTICALLY CONSTANT MAINTENANCE OF CRITICAL CONTROL MEASURES MAY BE NECESSARY DURING THE WINTER AND EARLY SPRING TO PREVENT FAILURE OR OVERLOADING OF CONTROL MEASURES. BE PREPARED TO QUICKLY INSTALL A SECOND LINE OF DEFENSE IF PROBLEMS OCCUR. BE PREPARED TO DEVOTE A SUBSTANTIAL AMOUNT OF TIME, EQUIPMENT AND MANPOWER TO EROSION PREVENTION AND SEDIMENT CONTROL.

**FOLLOW-UP**

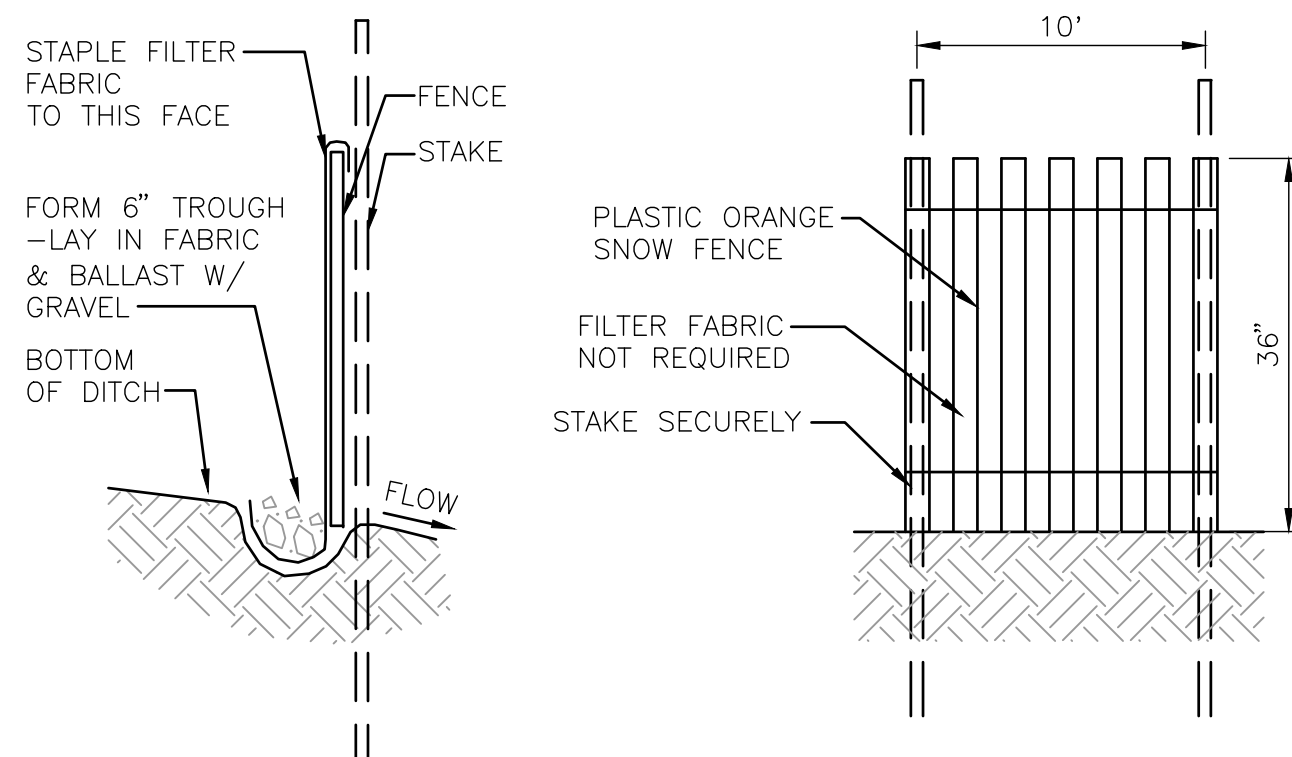
AS EARLY AS IS PRACTICAL, AT THE BEGINNING OF THE NEXT GROWING SEASON, INSTALL PERMANENT VEGETATIVE CONTROLS AS SPECIFIED IN THIS EPSC PLAN.

**DEWATERING PROCEDURE**

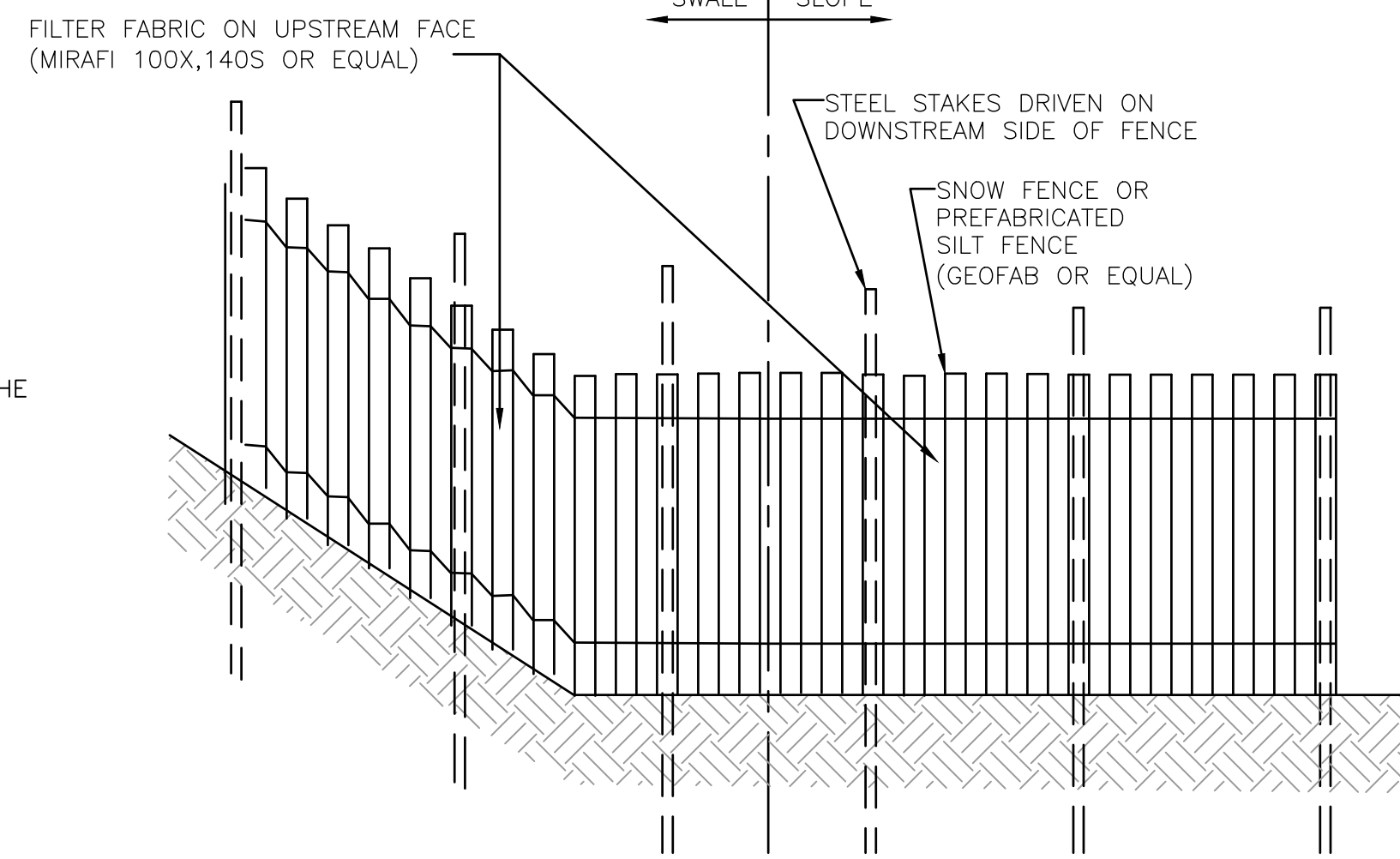
DEWATERING WILL BE ACCOMPLISHED BY PLACEMENT OF CRUSHED STONE FILLED SUMPS IN LOW AREAS OF THE EXCAVATION. WATER WILL BE PUMPED FROM THESE SUMPS THROUGH A SEDIMENTATION DEVICE AND DISCHARGE INTO THE SUBSURFACE STORMWATER SYSTEM. THE DETAILS OF DEWATERING, INCLUDING THE NUMBER AND LOCATION OF SUMPS; THE TYPE, NUMBER AND LOCATION OF THE SEDIMENTATION DEVICE(S) AND THE ASSOCIATED DISCHARGE POINTS AND OPERATING PROCEDURES WILL DEPEND ON THE CONDITIONS ENCOUNTERED DURING CONSTRUCTION, AS WELL AS THE SEASONAL WEATHER CONDITIONS. A PLAN WHICH DETAILS THE DEWATERING SYSTEM AND PROCEDURES WILL BE PROVIDED FOR REVIEW AND APPROVAL BY THE ON-SITE COORDINATOR PRIOR TO ITS IMPLEMENTATION.

**NOTES:**

- FILTER FABRIC SHALL HAVE AN EOS OF 40-85. BURLAP MAY BE USED FOR SHORT TERM APPLICATIONS.
- CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY WILL BE OVERLAPPED TO THE NEXT STAKE.
- STAKE MATERIALS WILL BE STANDARD 2"x4" WOOD OR EQUIVALENT. METAL WITH A MINIMUM LENGTH OF 3 FEET.
- SPACE STAKES EVENLY AROUND THE INLET 3 FEET APART AND DRIVE A MINIMUM OF 18 INCHES DEEP. SPANS GREATER THAN 3 FEET MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND THE FILTER FABRIC FOR SUPPORT.
- FABRIC SHALL BE EMBEDDED 1 FOOT MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.
- A 2"x4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVER FLOW STABILITY.
- MAXIMUM DRAINAGE AREA 1 ACRES



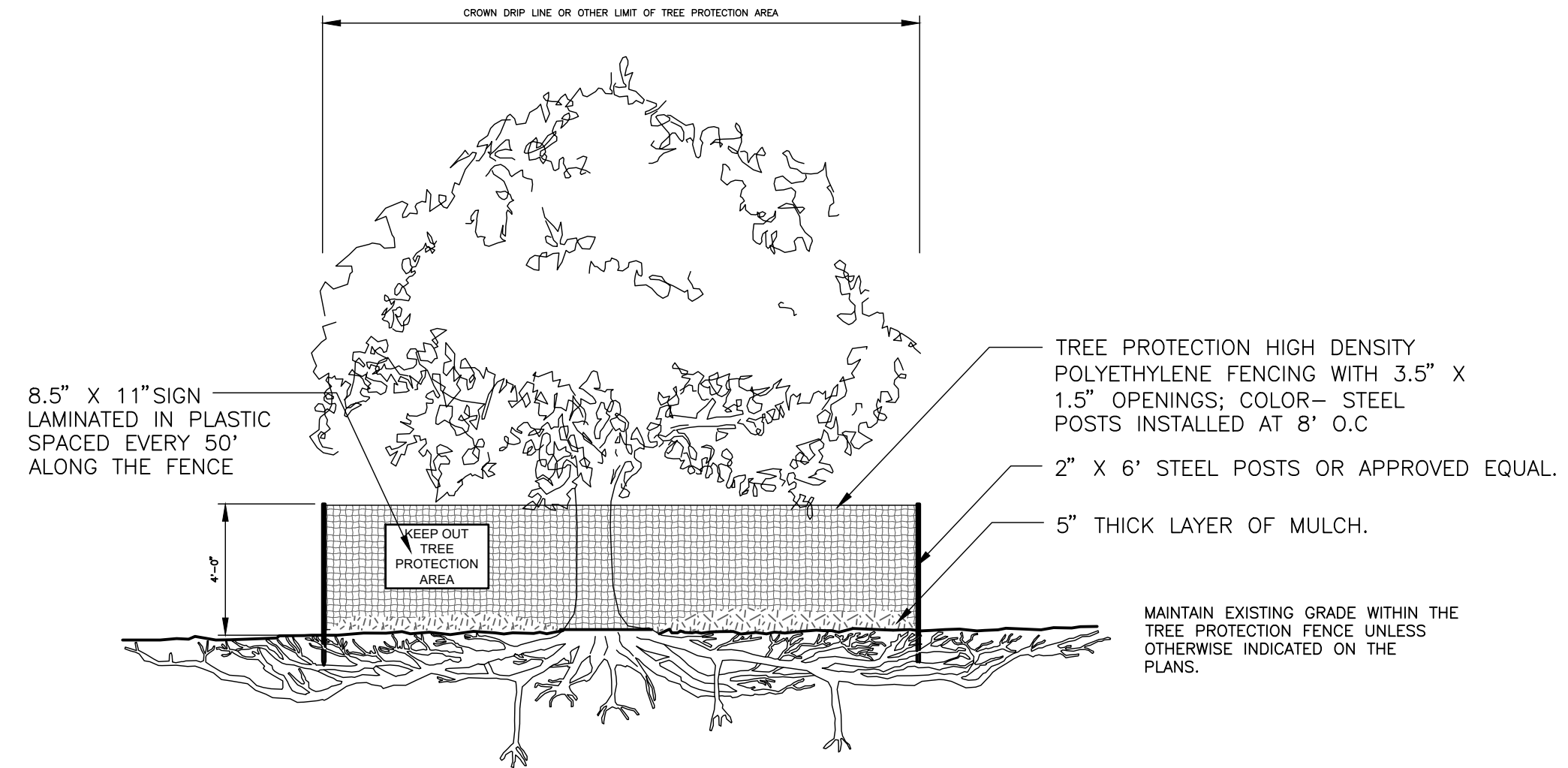
**SILT FENCE SECTION NOT TO SCALE**      **ISOLATION FENCE NOT TO SCALE**



**SILT FENCE SECTION NOT TO SCALE**

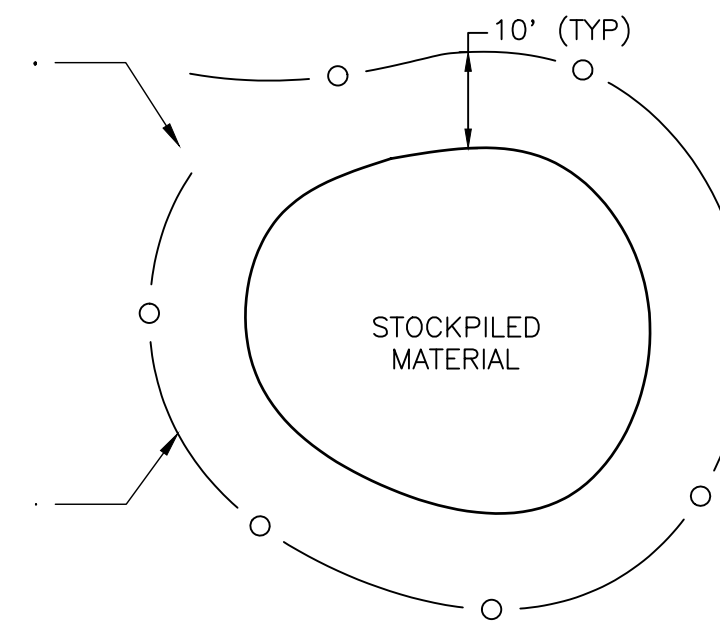
EROSION CONTROL SCHEDULE	
FOR SITE CONDITIONS	USE TYPE
AREAS FLATTER THAN 1:5 (20%)	STRAW MULCH
AREAS 1:5 (20%) OR STEEPER	MATTING/BLANKETS
ALL DISTURBED AREAS	SEED AND SOD
ACROSS SLOPES AROUND CATCH BASINS AROUND STOCK PILE AND BORROW AREAS TOES OF SLOPE ALONG STREAMS AND WATER BODIES AS SHOWN ON DRAWINGS	SILT FENCES
ACROSS SLOPES AROUND CATCH BASINS IN DRAINAGE DITCHES 9% SLOPE OR LESS - PLACE 100 FT. APART 10% TO 19% - PLACE 50 FT. APART 20% OR GREATER - PLACE 25 FT. APART AS SHOWN ON DRAWINGS	CHECK DAMS
IN DITCHES PRIOR TO DISCHARGE TO BODIES OF WATER AS SHOWN ON DRAWINGS	SEDIMENT BASINS
STABILIZED CONST. ENTRANCE AS SHOWN ON DRAWINGS	STABILIZED CONST. ENTRANCE

**EROSION CONTROL SCHEDULE NOT TO SCALE**



- NOTES:**
- SEE SPECIFICATIONS FOR ADDITIONAL TREE PROTECTION REQUIREMENTS.
  - IF THERE IS NO EXISTING IRRIGATION, SEE SPECIFICATIONS FOR WATERING REQUIREMENTS.
  - ANY REQUIRED PRUNING SHALL BE DONE BY AN APPROVED ARBORIST.
  - NO EQUIPMENT SHALL OPERATE INSIDE THE PROTECTIVE FENCING, INCLUDING DURING FENCE INSTALLATION AND REMOVAL.
  - SEE EPSC AND LANDSCAPE PLANS FOR ANY MODIFICATIONS WITHIN THE TREE PROTECTION AREA.
  - EXPOSED ROOTS TO BE WRAPPED IN BURLAP AND KEPT MOIST TO AVOID SUNLIGHT AND DEHYDRATION WHILE BEING EXPOSED. REMOVE BURLAP BEFORE RE-BURYING EXPOSED ROOTS.
  - ROOTS GREATER THAN 2 INCHES IN DIAMETER THAT CAN NOT BE PRESERVED TO BE CUT CLEAN BY AN APPROVED PROFESSIONAL.

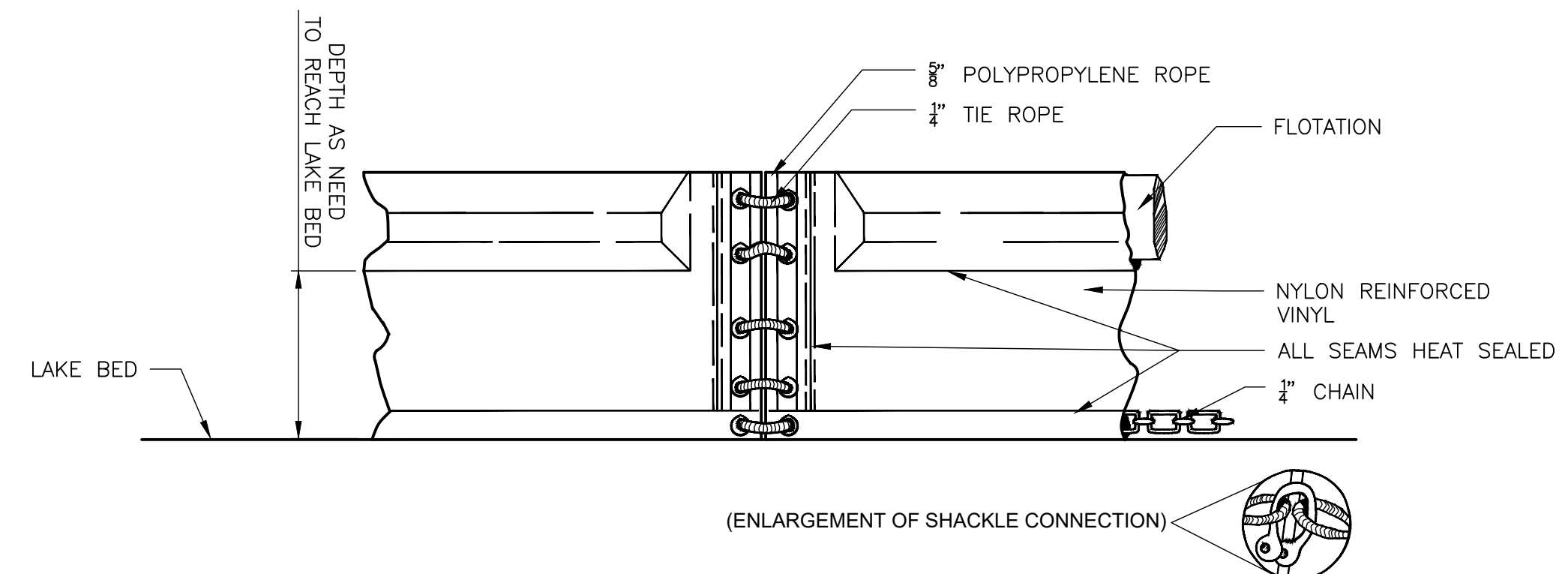
**TREE PROTECTION AREA NOT TO SCALE**



**NOTES:**

- ALL AREAS NOT TO BE WORKED FOR 14 DAYS OR MORE SHALL BE TEMPORARILY STABILIZED WITH MULCH, MATTING, OR OTHER MEASURES SUITABLE TO THE LOCATION.

**STOCKPILE AREA ISOLATION DETAIL NOT TO SCALE**



**NOTES:**

- TURBIDITY CURTAIN MUST BE INSTALLED PRIOR TO WORK IN LAKE BED.
- SEE PLAN FOR TURBIDITY CURTAIN LAYOUT

**TURBIDITY CURTAIN DETAIL NOT TO SCALE**

REVISIONS	BY	DATE	NUMBER	REVISION DESCRIPTION

CLIENT NAME  
WINDHAM COUNTY  
NATURAL  
RESOURCES  
CONSERVATION  
DISTRICT

PROJECT NAME  
LAKE RAPONDA  
SHORELINE  
EROSION CONTROL  
60% DESIGN

GREEN MOUNTAIN  
BEACH  
WILMINGTON, VT

SHEET TITLE  
DETAILS-EPSC

D&K PROJECT # 230341P1    PROJ. ENG. CJR

DRAWN BY KAC    CHECKED BY ANH

DATE 5/11/2026

SHEET NUMBER  
**L-5.0**

**NOT FOR CONSTRUCTION PRELIMINARY PLANS**

REVISIONS	BY	DATE	NUMBER	REVISION DESCRIPTION

CLIENT NAME  
WINDHAM COUNTY  
NATURAL RESOURCES  
CONSERVATION DISTRICT

PROJECT NAME  
LAKE RAPONDA  
SHORELINE EROSION CONTROL  
60% DESIGN

GREEN MOUNTAIN BEACH  
WILMINGTON, VT

SHEET TITLE  
  
DETAILS

D&K PROJECT # 230341P1 PROJ. ENG. CJR

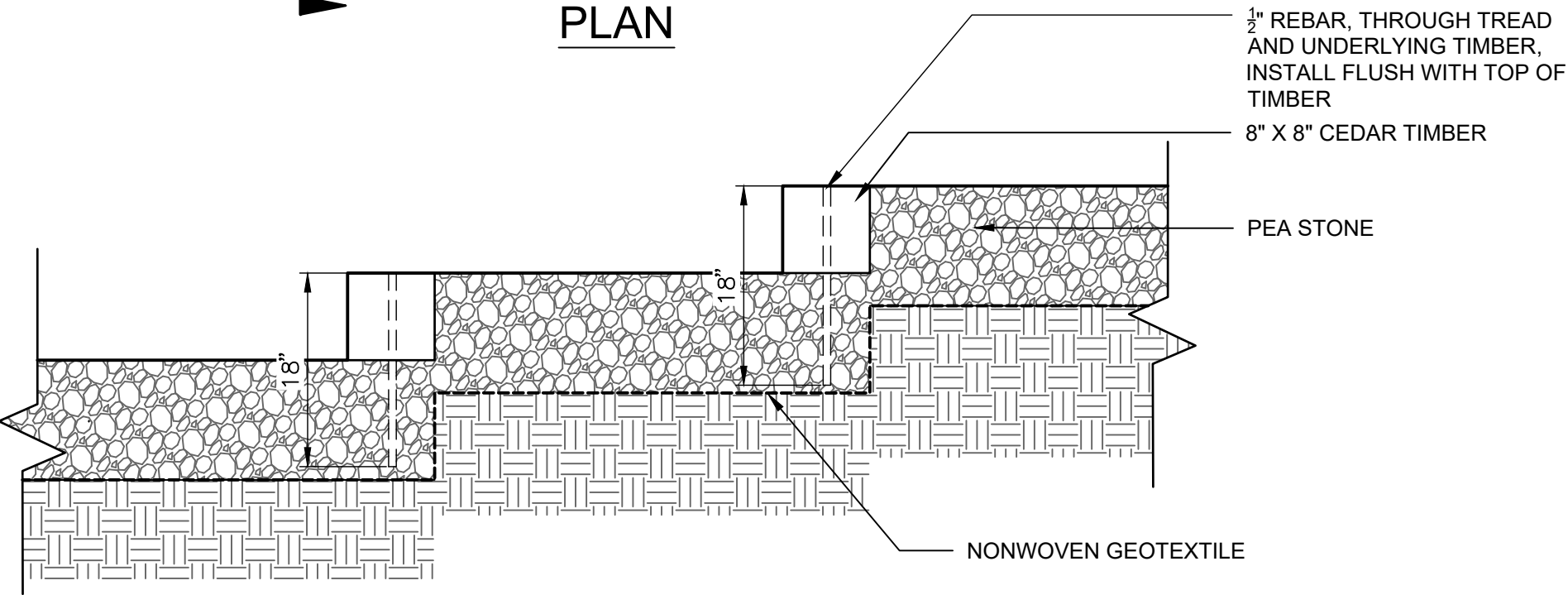
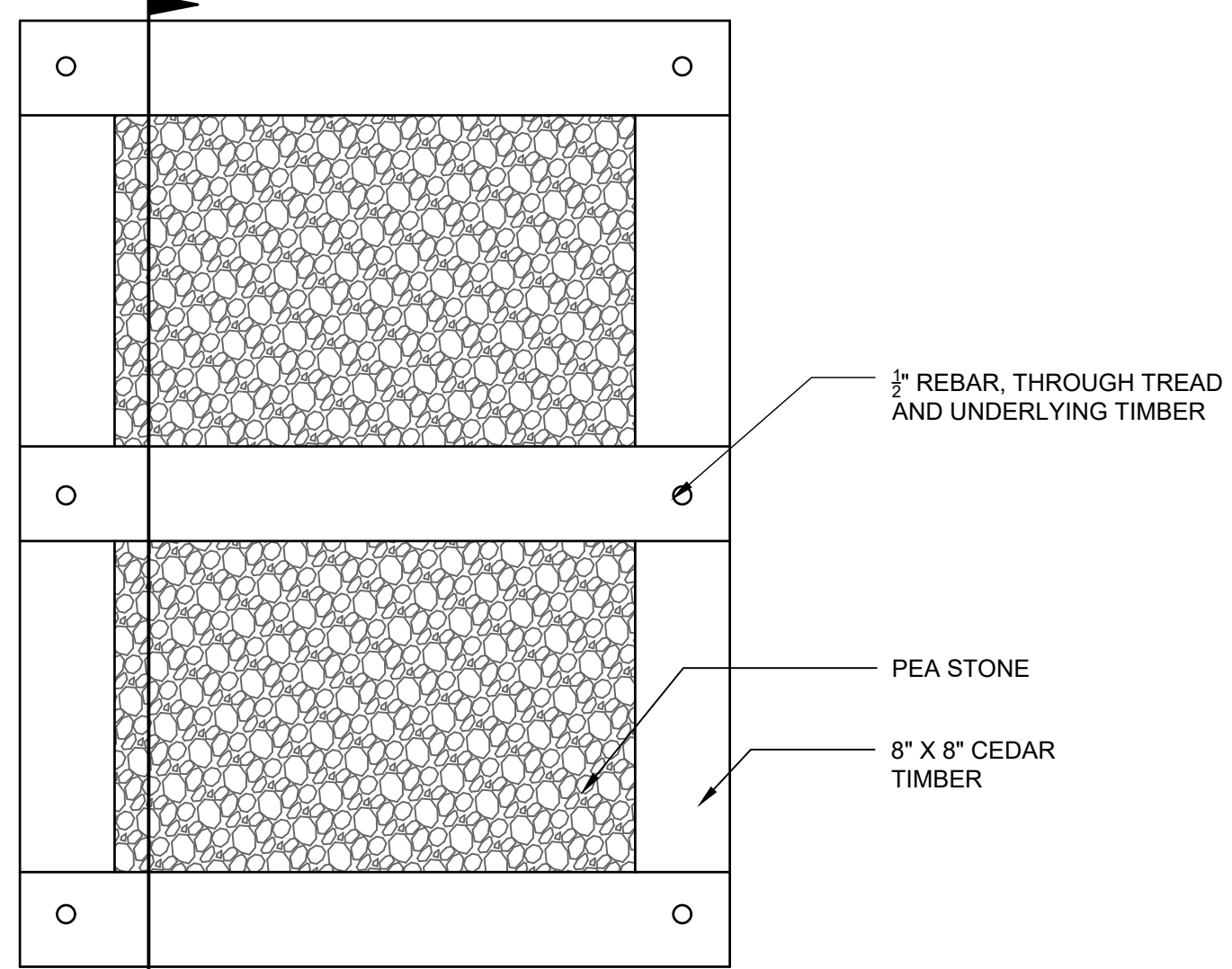
DRAWN BY KAC CHECKED BY ANH

DATE 5/11/2026

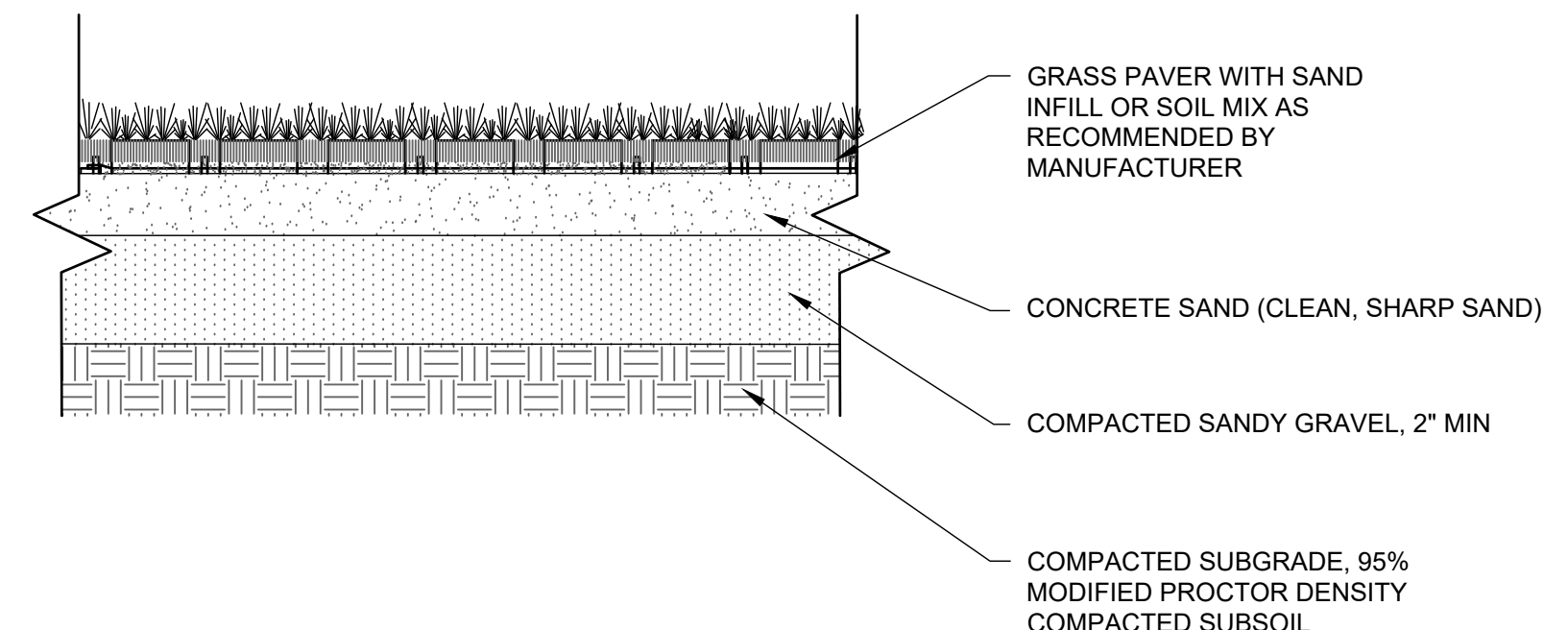
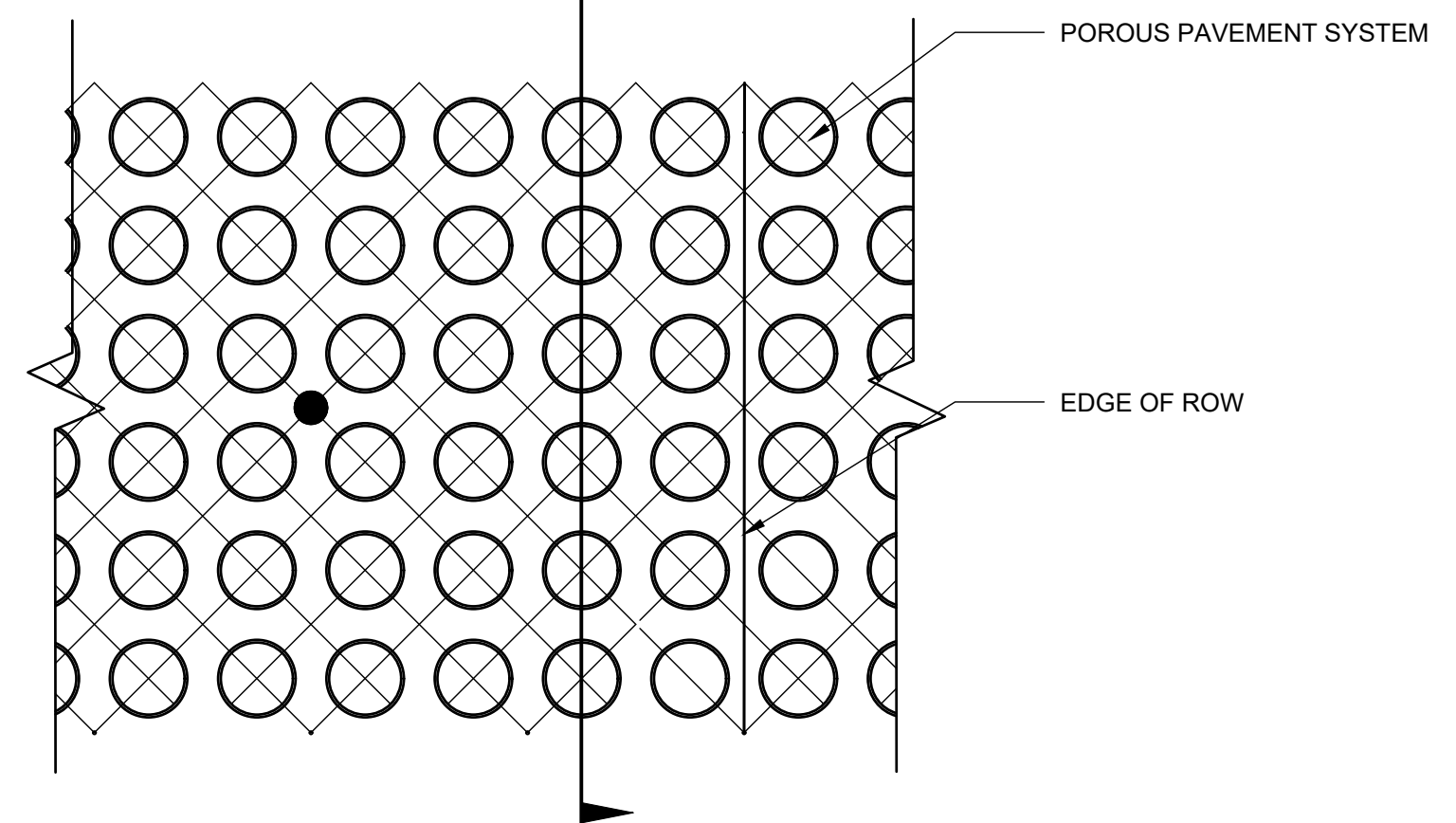
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**L-5.1**

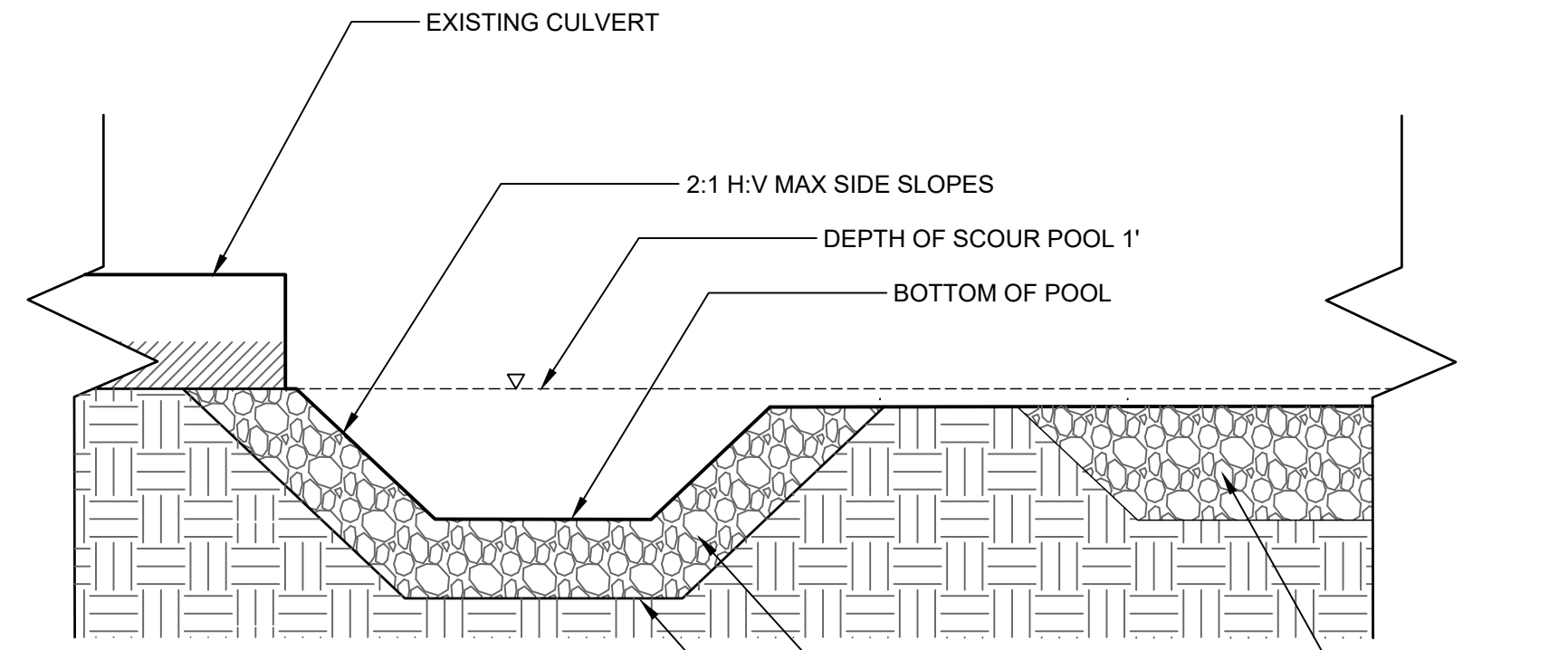
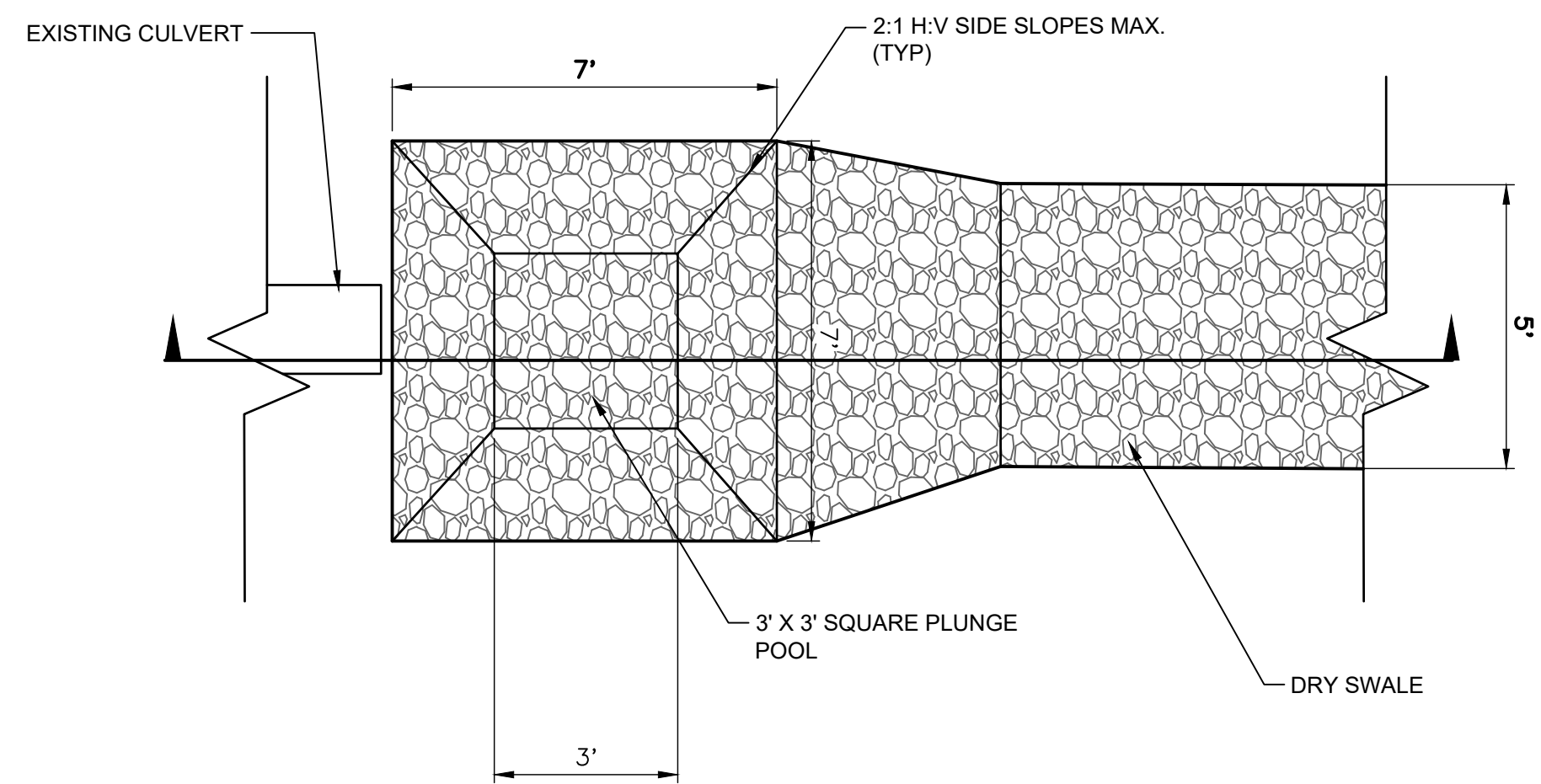
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INVISIBLE STRUCTURES, INC.  
GRASSPAVE2



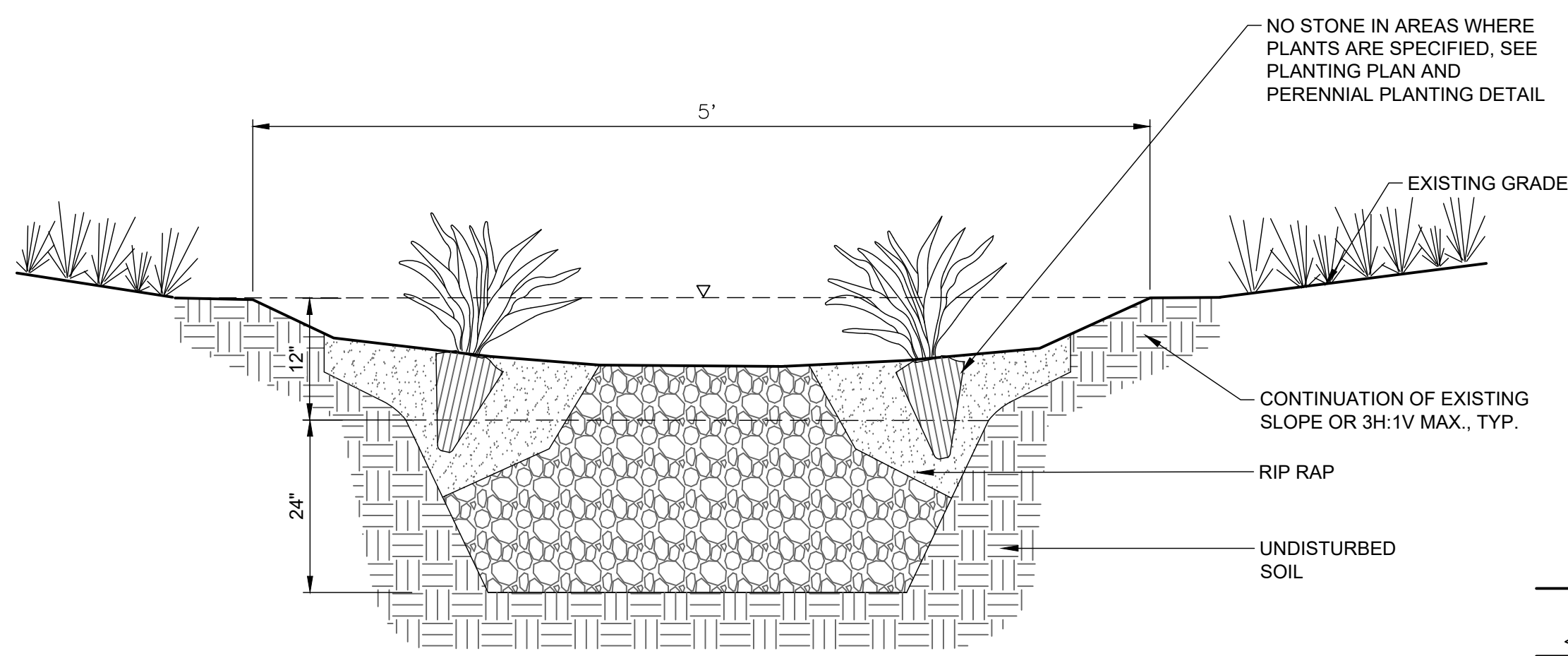
**TYPICAL INFILTRATION STEPS DETAILS**  
NOT TO SCALE



**GRASS PAVER DETAILS**  
NOT TO SCALE

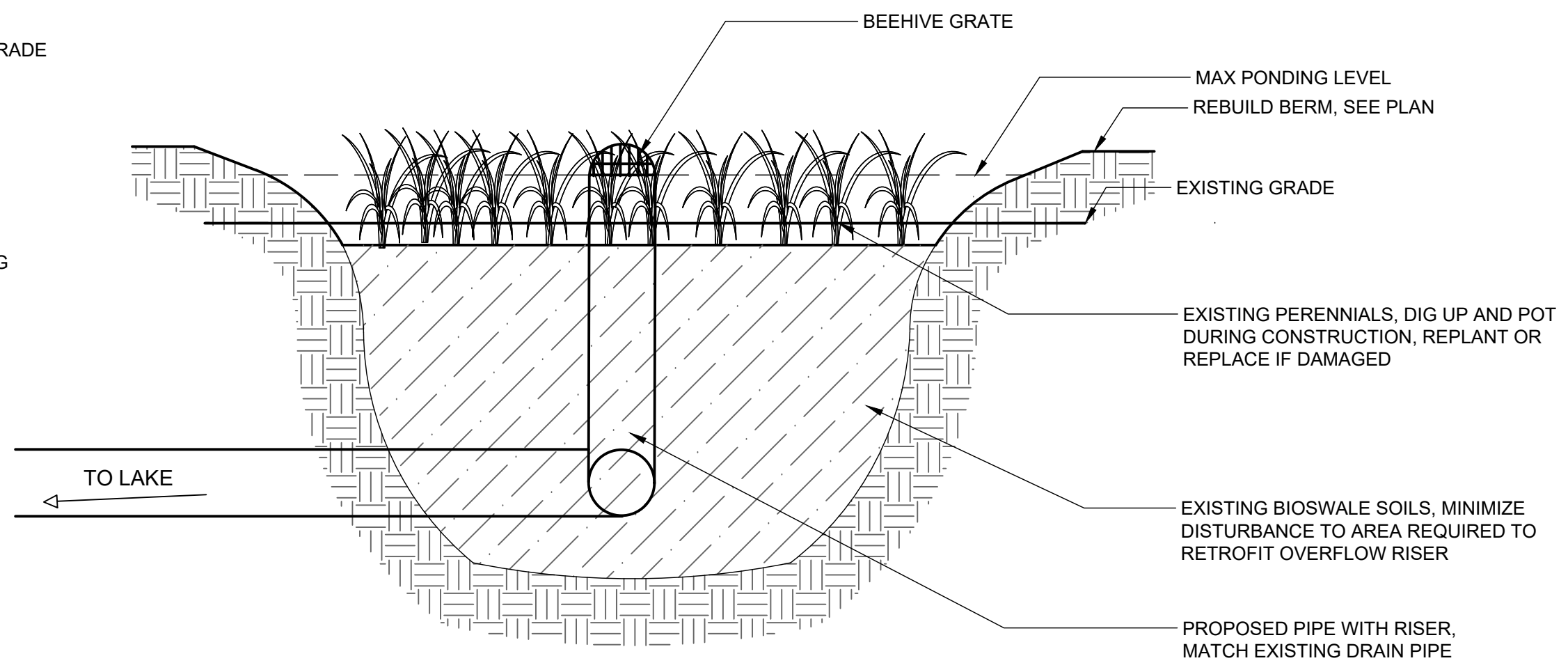


**PLUNGE POOL DETAILS**  
NOT TO SCALE



NOTE:  
1. REMOVE EXISTING RIP RAP AND STOCK PILE.  
2. DIG SWALE TO SPECIFIED DEPTH AND REPLACE RIP RAP, ADD ADDITIONAL RIP RAP TO SPECIFIED HEIGHT AS NEEDED.

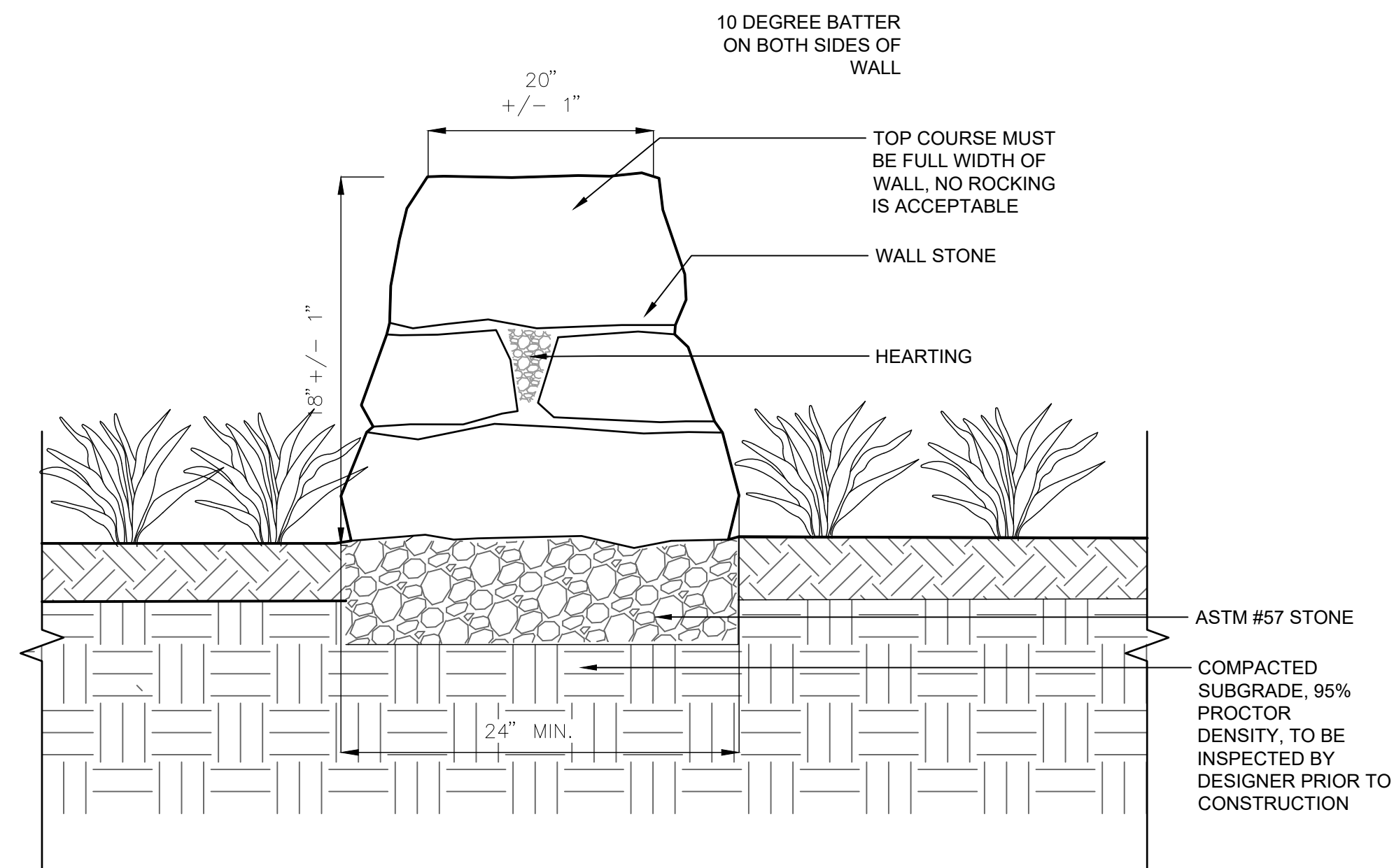
**TYPICAL DRY SWALE SECTION**  
NOT TO SCALE



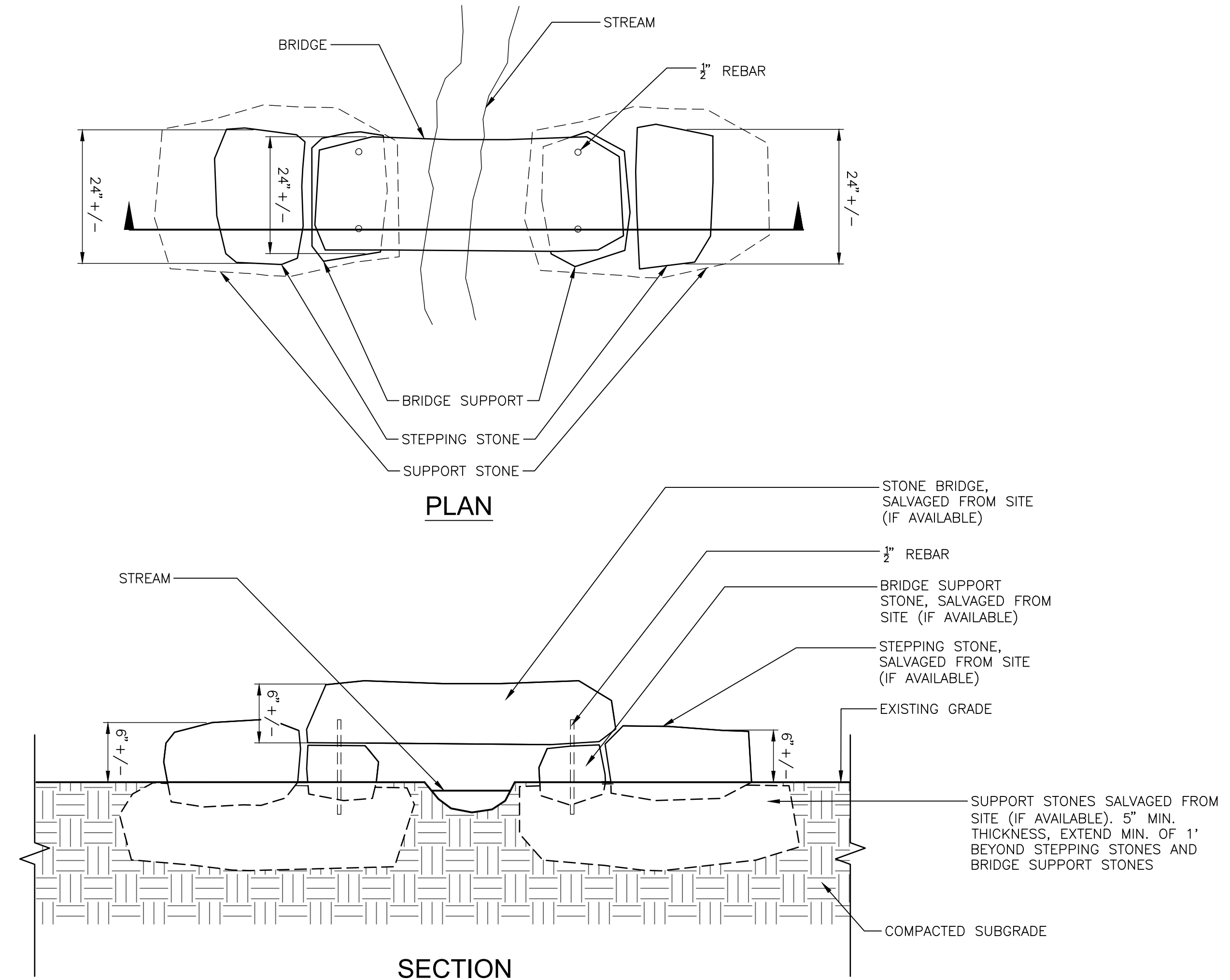
**BIOSWALE OVERFLOW RISER RETROFIT SECTION**  
NOT TO SCALE

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**NOT FOR CONSTRUCTION PRELIMINARY PLANS**

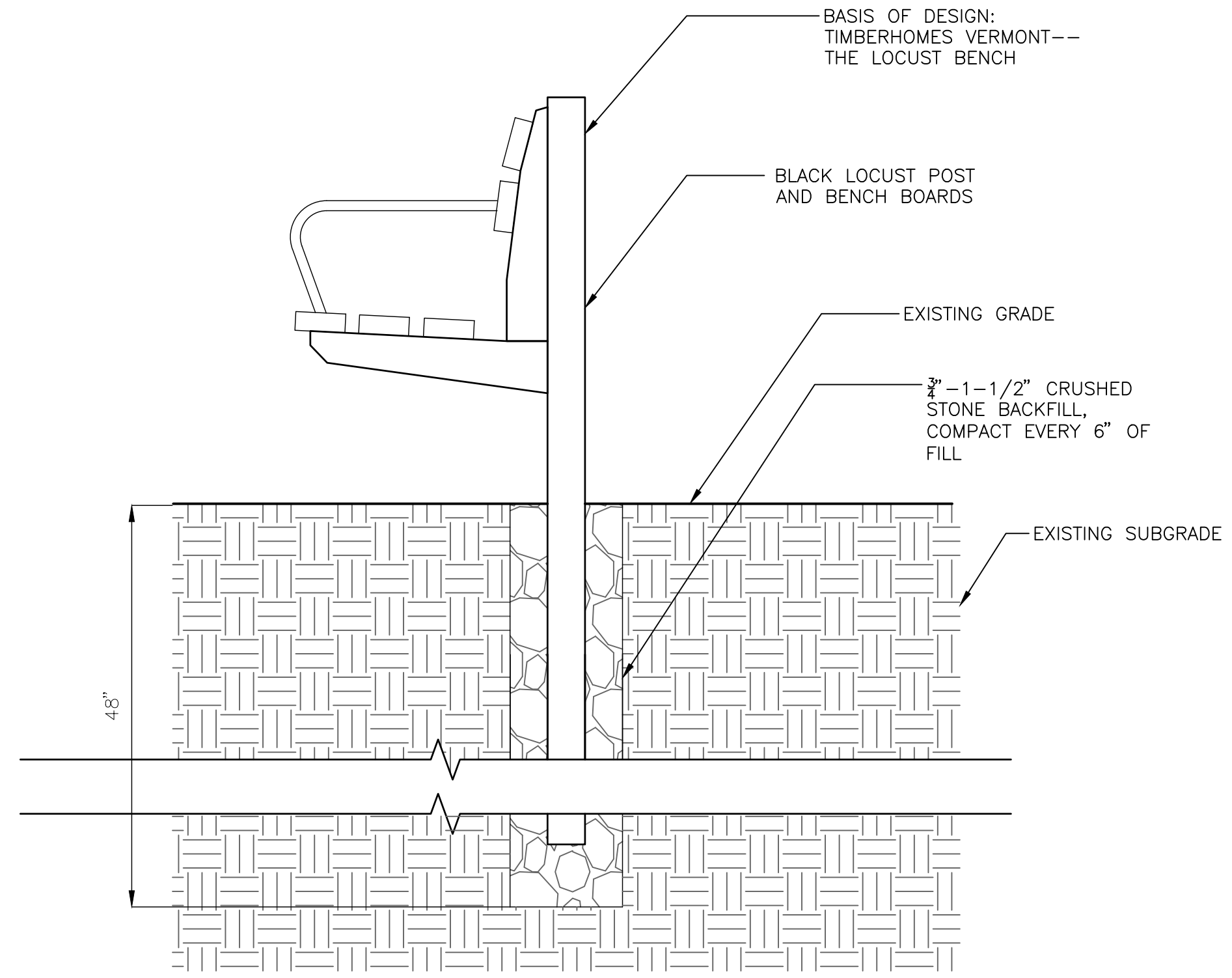


**FREESTANDING DRY STACKED STONE WALL**  
NOT TO SCALE

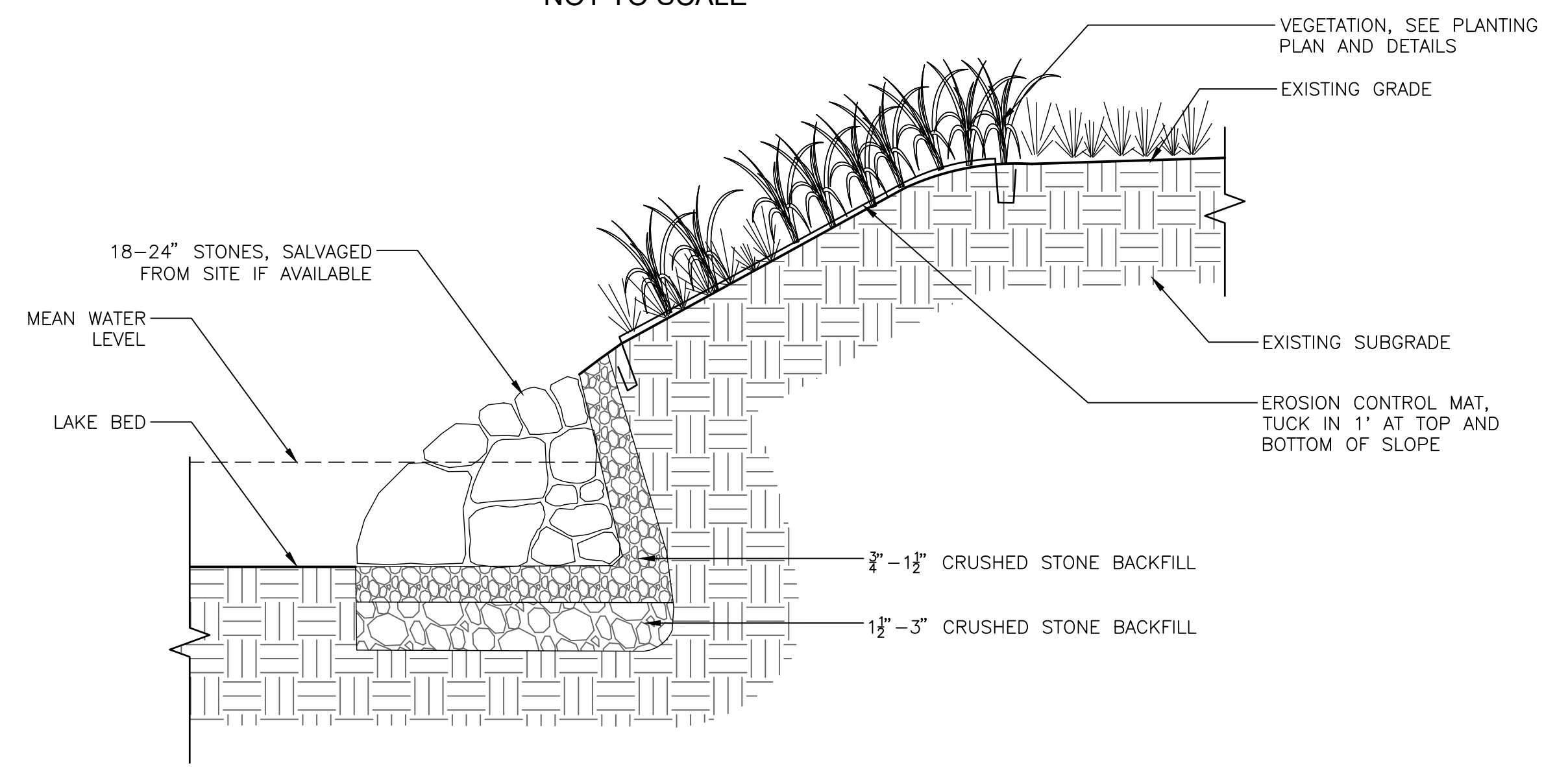


NOTE:  
1. ALL STONES SHOULD HAVE A MINIMUM OF THREE POINTS OF CONTACT AND NOT MOVE OR TILT.

**STONE BRIDGE DETAIL**  
NOT TO SCALE



**BENCH EMBEDMENT DETAIL**  
NOT TO SCALE



NOTE:  
1. NO WORK IN WATER MAY BE STARTED PRIOR TO INSTALLATION OF TURBIDITY CURTAIN

**STONE TOE DETAIL**  
NOT TO SCALE

REVISIONS	BY	DATE	NUMBER
	REVISION DESCRIPTION		

CLIENT NAME  
WINDHAM COUNTY  
NATURAL  
RESOURCES  
CONSERVATION  
DISTRICT

PROJECT NAME  
LAKE RAPONDA  
SHORELINE  
EROSION CONTROL  
60% DESIGN

GREEN MOUNTAIN  
BEACH  
WILMINGTON, VT

SHEET TITLE  
  
DETAILS

D&K PROJECT # 230341P1 PROJ. ENG. CJR

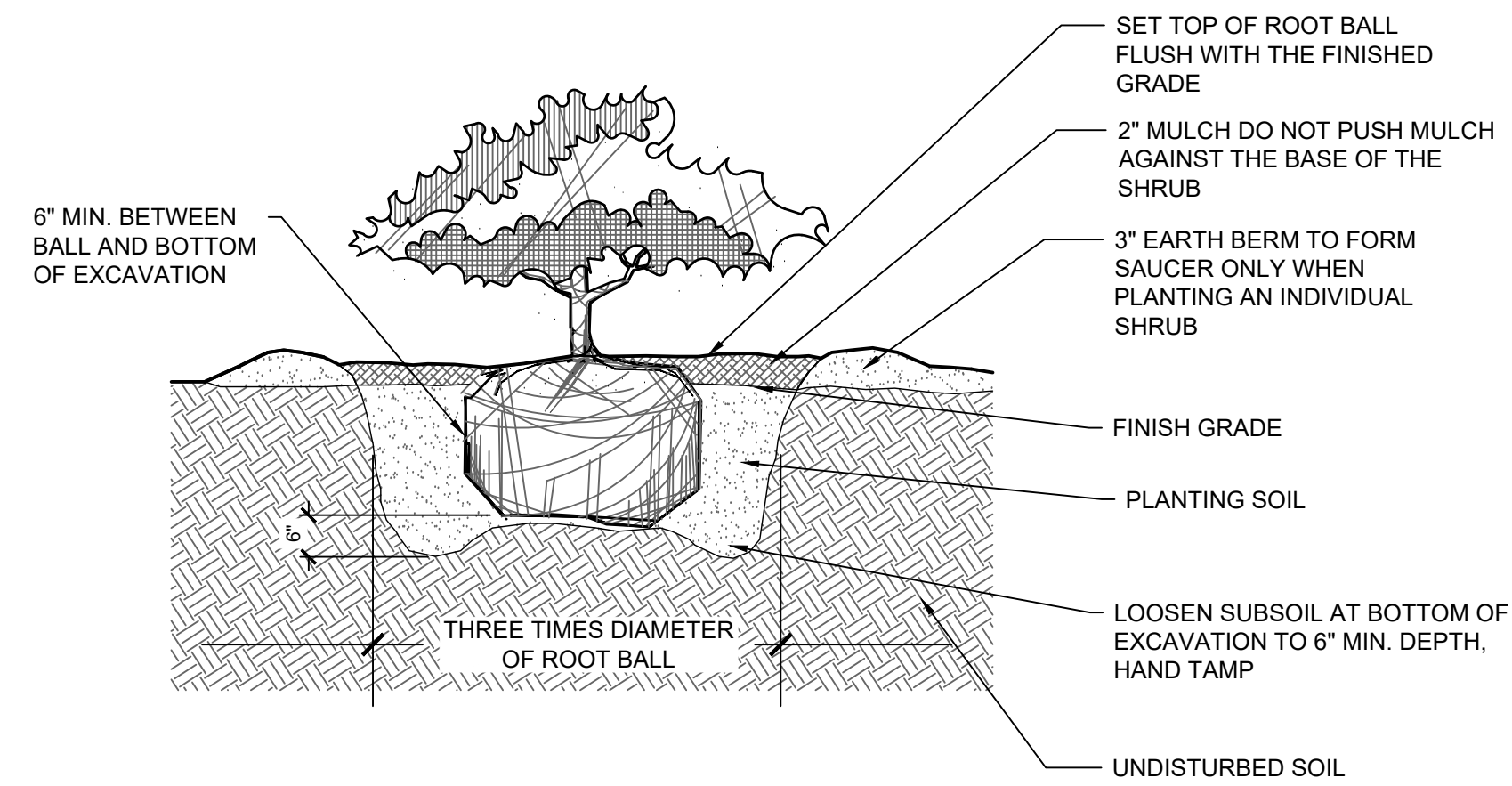
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DATE 5/11/2026

SHEET NUMBER

**L-5.2**

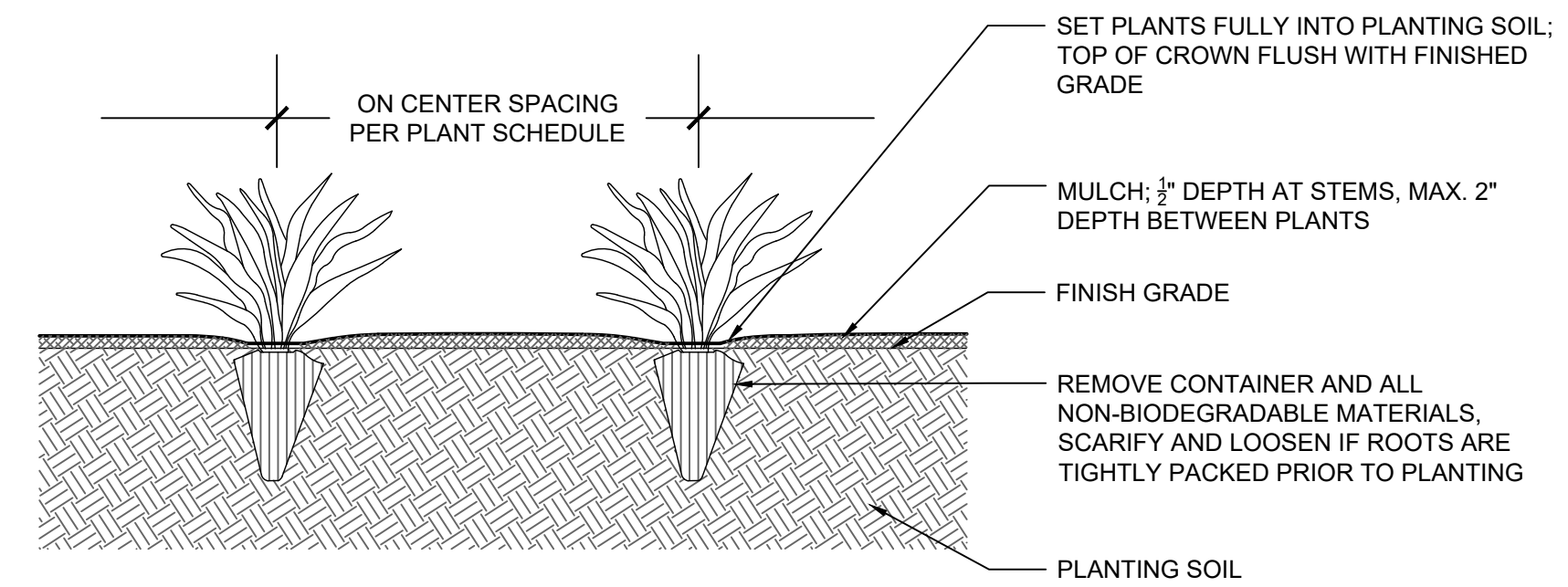
**NOT FOR CONSTRUCTION PRELIMINARY PLANS**



**NOTES:**

1. FOR CONTAINER SHRUBS, COMPLETELY REMOVE ALL OF NON-BIODEGRADABLE CONTAINER AND SCARIFY ROOTBALL.
2. FOR B&B, CUT AND REMOVE BURLAP AND METAL CAGE IF PRESENT. FOR CONTAINER, REMOVE CONTAINER.
3. SCARIFY ROOTBALL PRIOR TO PLANTING.
4. LIMIT DISTURBANCE TO THE MINIMUM REQUIRED TO ADD NEW PLANTINGS, REMOVE EXISTING PLANTS WITH ROOTS AND TEMPORARILY POT AND REPLANT IMMEDIATELY AFTER NEW PLANTING IS INSTALLED.

**SHRUB PLANTING DETAIL**  
NOT TO SCALE



**PERENNIAL PLANTING DETAIL**  
NOT TO SCALE

REVISIONS	REVISION DESCRIPTION	BY	DATE	NUMBER

CLIENT NAME  
WINDHAM COUNTY  
NATURAL  
RESOURCES  
CONSERVATION  
DISTRICT

PROJECT NAME  
LAKE RAPONDA  
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GREEN MOUNTAIN  
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WILMINGTON, VT

SHEET TITLE  
  
PLANTING DETAILS

D&K PROJECT # 230341P1	PROJ. ENG. CJR
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DATE  
5/11/2026

SHEET NUMBER  
  
**L-5.3**