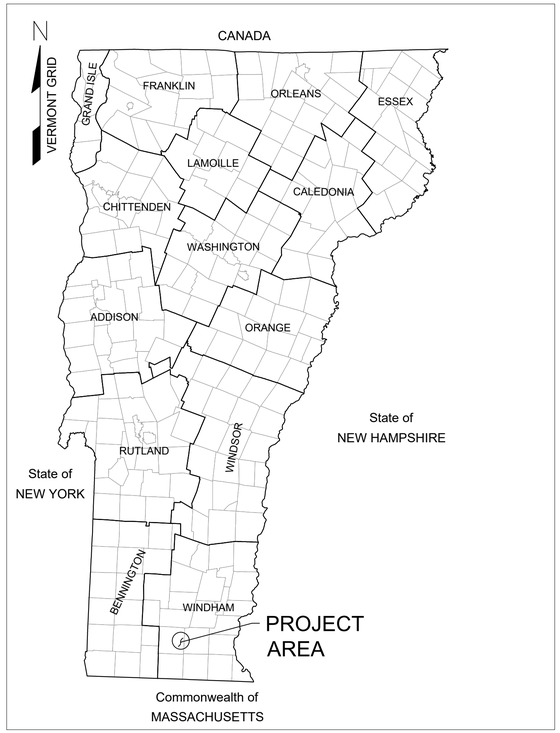

LOCATION MAP
NOT TO SCALE

WINDHAM COUNTY NATURAL RESOURCES CONSERVATION DISTRICT

WILMINGTON, VERMONT

COUNTY OF WINDHAM

LAKE RAPONDA SHORELINE EROSION CONTROL, GREEN MOUNTAIN BEACH 90% CONSTRUCTION SET

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

PROJECT LOCATION MAP
NOT TO SCALE

SHEET INDEX

Sheet Number	Sheet Title
G-1.0	TITLE SHEET
G-1.1	NOTES
L-1.0	EXISTING CONDITIONS & DEMO
L-1.1	EROSION PREVENTION & SEDIMENT CONTROL PLAN
L-1.2	SITE PLAN
L-2.0	LAYOUT PLAN
L-3.0	PLANTING PLAN
L-5.0	DETAILS-EPSC
L-5.1	DETAILS
L-5.2	DETAILS
L-5.3	DETAILS
L-5.4	PLANTING DETAILS

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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 90% DESIGN

GREEN MOUNTAIN BEACH
WILMINGTON, VT

SHEET TITLE
TITLE SHEET

D&K PROJECT #	PROJ. ENG.
230341P1	CJR
DRAWN BY KAC	CHECKED BY ANH

DATE 7/15/2026

SHEET NUMBER
G-1.0

SHEET: 1 of 12

I:\21\230341 WCCD Lake Raponda Shoreline Erosion Control\Drawings\Landscape\230341P1_WCCD Lake Raponda_CD.dwg 7/15/2026 2:09 PM

GENERAL NOTES

GENERAL CONDITIONS

1. 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.

2. 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.

3. 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.

4. CONTRACTOR PARKING AND STAGING AT PROJECT SITE SHALL BE COORDINATED WITH THE OWNER.

5. CONTRACTOR SHALL PREVENT EXCESSIVE ICE, MUD, SOIL, CLAY, AND LIKE MATERIALS THAT MAY ADHERE, FROM COMING INTO CONTACT WITH THE STONES FOR WALLS. SUCH MATERIALS, IF PRESENT ON THE STONES, MUST BE REMOVED PRIOR TO BUILDING.

6. THE LATEST VTRANS STANDARD SPECIFICATIONS SHALL BE UTILIZED FOR THIS PROJECT WHERE APPLICABLE.

EXISTING INFORMATION

1. 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.

2. CONTOUR LINES ARE BASED ON LIDAR FROM VCGI, NO TOPOGRAPHIC SURVEY WAS COMPLETED AS PART OF THIS PROJECT.

CODES & PERMITS

1. 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.

2. 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

1. 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.

2. 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

1. 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.

2. 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

1. 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.

2. 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.

3. 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.

4. 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.

5. THE CONTRACTOR SHALL NOT PLACE PERMANENT PLANTING AND SEEDING PRIOR TO MAY 1ST NOR AFTER OCTOBER 1ST. TEMPORARY SEEDING WITH WINTER RYE MAY BE USED OUTSIDE OF THIS PERIOD.

6. 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.

TYPICAL ABBREVIATIONS:

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
FT = FOOT, FEET
HDPE = HIGH DENSITY POLYETHYLENE
HYD = HYDRANT
ID = INSIDE DIAMETER
IN = INCH
INV = INVERT
LF = LINEAR FEET, LINEAL FEET
MAX = MAXIMUM
MIN = MINIMUM
NTS = NOT TO SCALE
OD = OUTSIDE DIAMETER
OHT&P = OVERHEAD TELEPHONE & POWER
PCA = PORTLAND CEMENT ASSOCIATION
PL = PROPERTY LINE
PVC = POLYVINYLCHLORIDE
S = SEWER
SD = STORM DRAIN
SMH = SEWER MANHOLE
SY = SQUARE YARDS
T = TELEPHONE
TBM = TEMPORARY BENCHMARK
TYP = TYPICAL
UGT&P = UNDERGROUND TELEPHONE & POWER
UP = UTILITY POLE
VIF = VERIFY IN FIELD
VT DEC = VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION

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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 90% DESIGN

GREEN MOUNTAIN BEACH
WILMINGTON, VT

SHEET TITLE
NOTES

D&K PROJECT #	PROJ. ENG.
230341P1	CJR
DRAWN BY KAC	CHECKED BY ANH

DATE 7/15/2026

SHEET NUMBER
G-1.1

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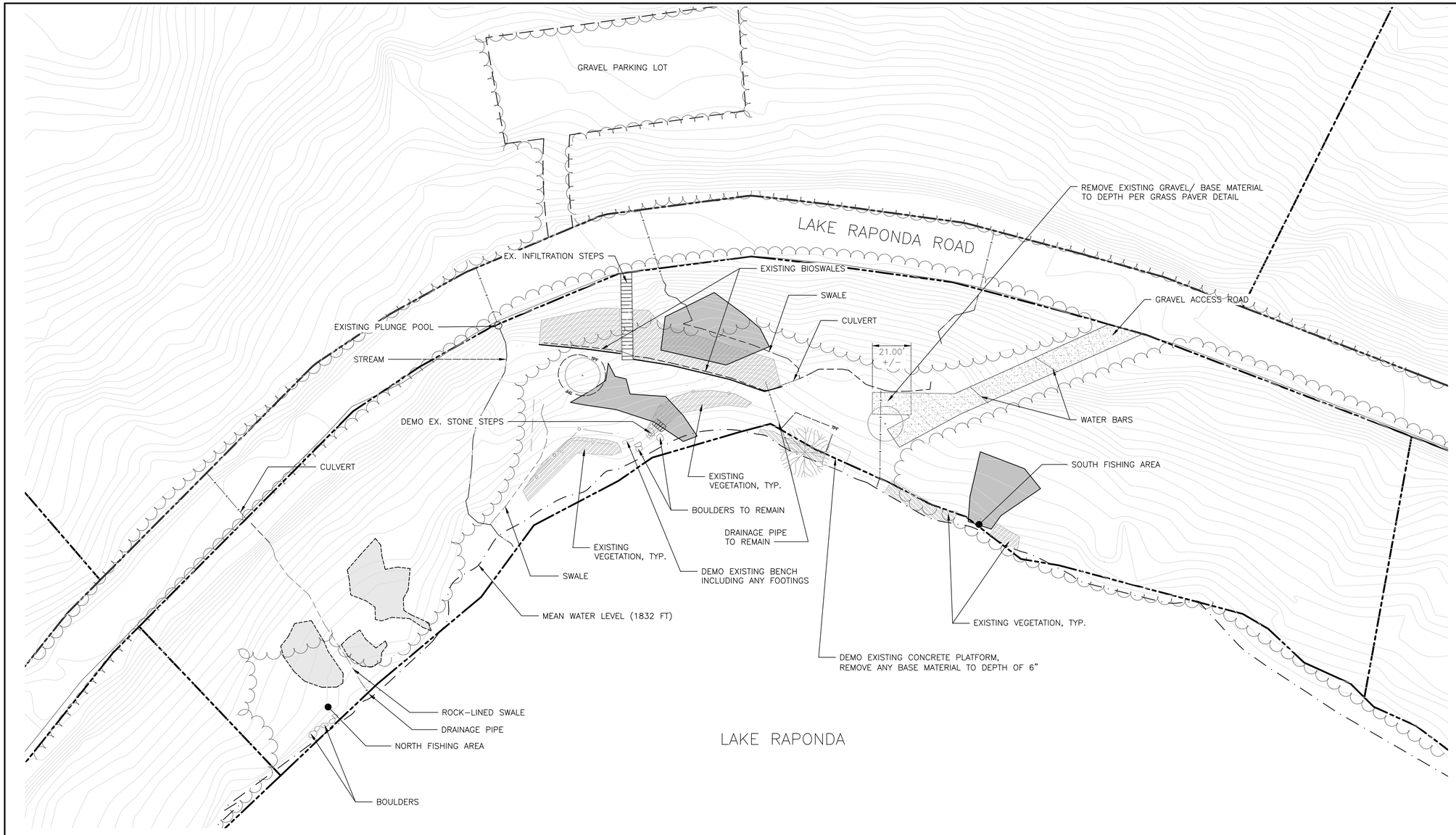

LEGEND

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

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

30' 0 30' 60'
SCALE IN FEET

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GREEN MOUNTAIN BEACH
WILMINGTON, VT

SHEET TITLE
EXISTING CONDITIONS & DEMO

D&K PROJECT #	PROJ. ENG.
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DATE 7/15/2026

SHEET NUMBER
L-1.0

SHEET: 3 of 12

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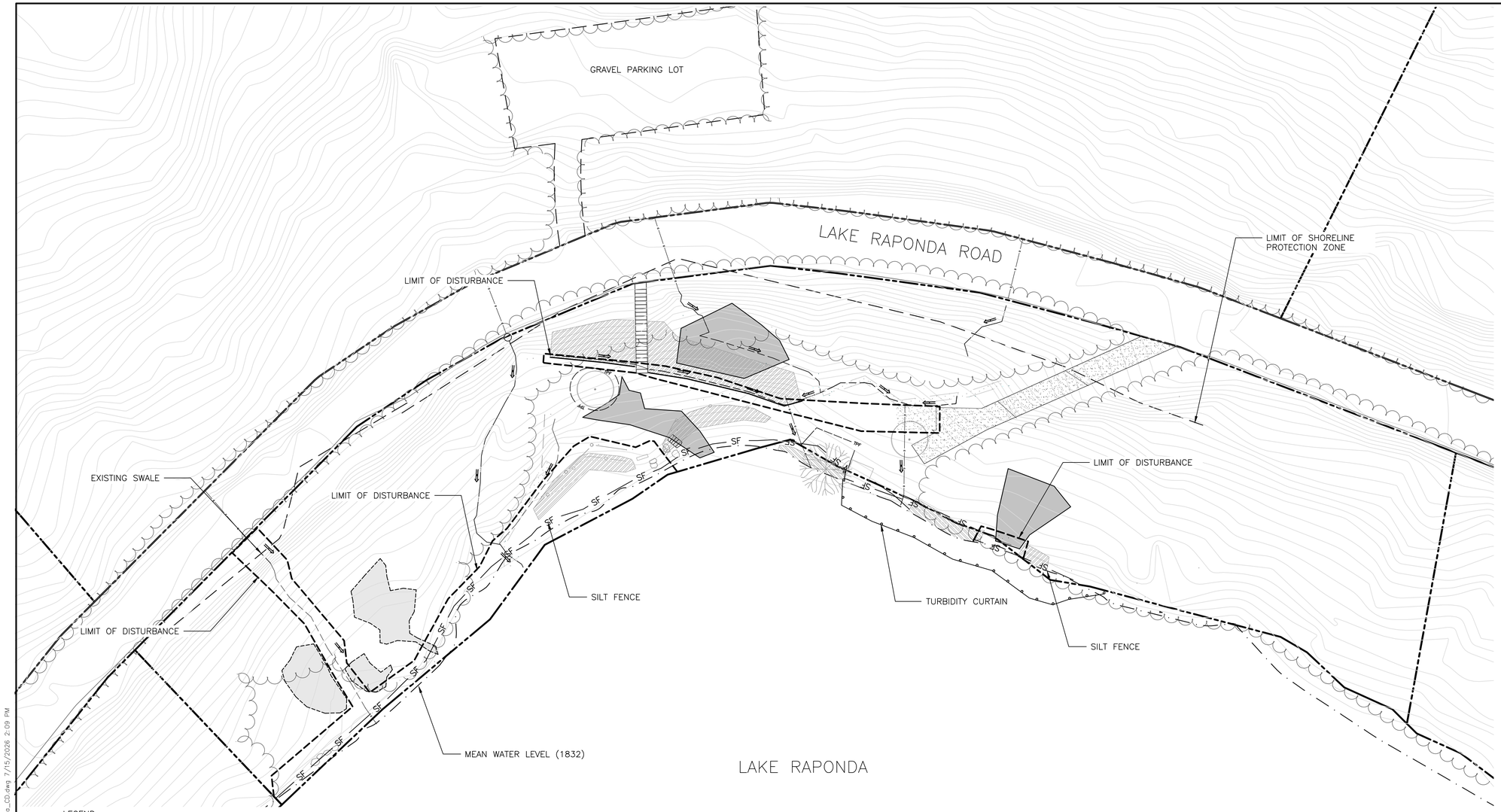

LEGEND

- PROPERTY LINE
- SHORELINE PROTECTION ZONE BOUNDARY
- LIMIT OF DISTURBANCE
- EXISTING CONTOUR
- 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
- SF — SILT FENCE
- LIMIT OF DISTURBANCE
- TURBIDITY CURTAIN
- TPF — TREE PROTECTION FENCE
- EX. EVERGREEN TREE
- EX. DECIDUOUS TREE

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

30' 0 30' 60'
SCALE IN FEET

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WINDHAM COUNTY NATURAL RESOURCES CONSERVATION DISTRICT

PROJECT NAME
LAKE RAPONDA SHORELINE EROSION CONTROL 90% DESIGN

GREEN MOUNTAIN BEACH
WILMINGTON, VT

SHEET TITLE
EROSION PREVENTION & SEDIMENT CONTROL PLAN

D&K PROJECT #	PROJ. ENG.
230341P1	CJR
DRAWN BY KAC	CHECKED BY ANH

DATE 7/15/2026

SHEET NUMBER
L-1.1

SHEET: 4 of 12

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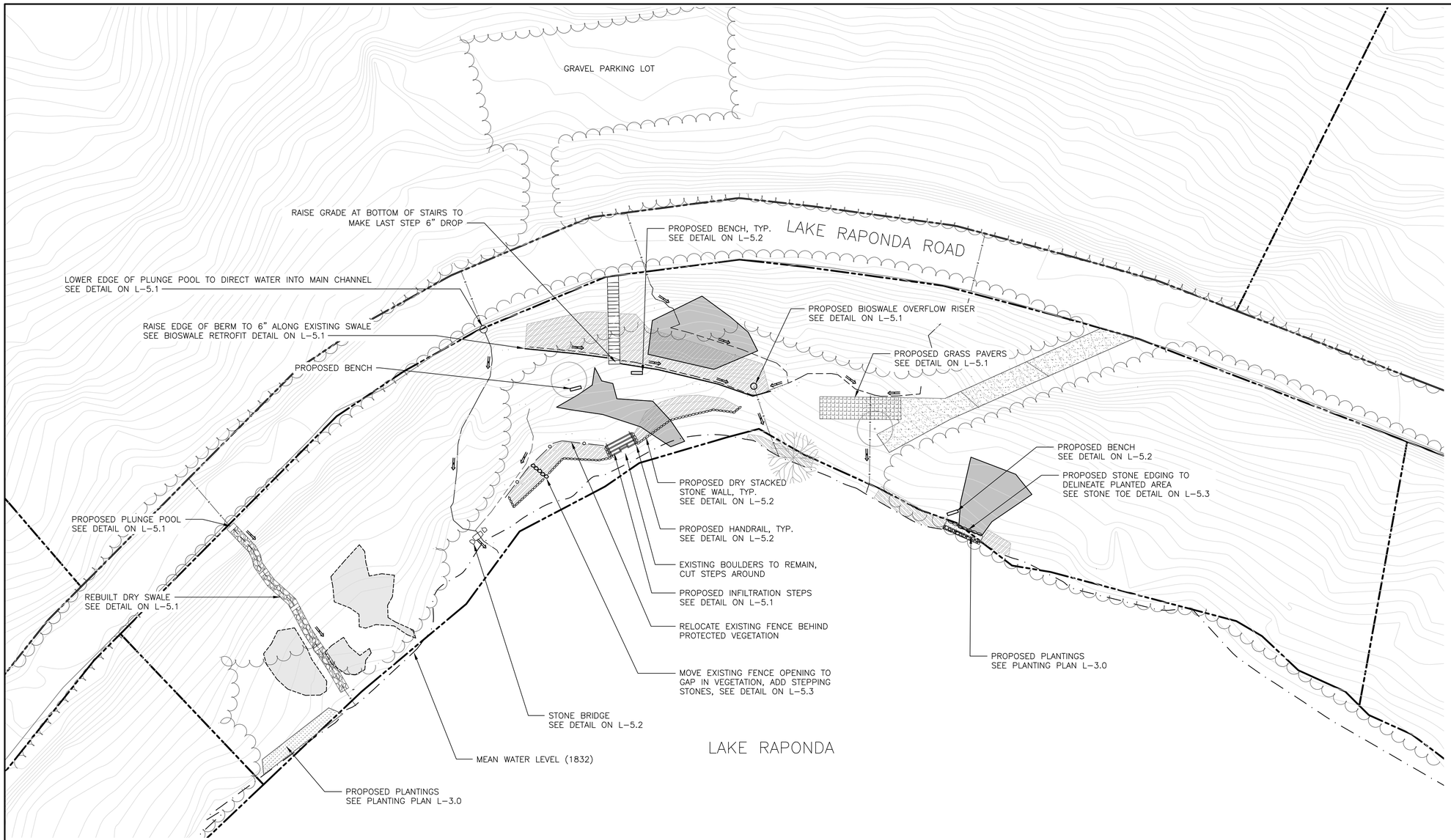

LEGEND

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

NOTES:
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30' 0 30' 60'
SCALE IN FEET

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WINDHAM COUNTY NATURAL RESOURCES CONSERVATION DISTRICT

PROJECT NAME
LAKE RAPONDA SHORELINE EROSION CONTROL 90% DESIGN

GREEN MOUNTAIN BEACH
WILMINGTON, VT

SHEET TITLE
SITE PLAN

D&K PROJECT #	PROJ. ENG.
230341P1	CJR
DRAWN BY KAC	CHECKED BY ANH

DATE 7/15/2026

SHEET NUMBER
L-1.2

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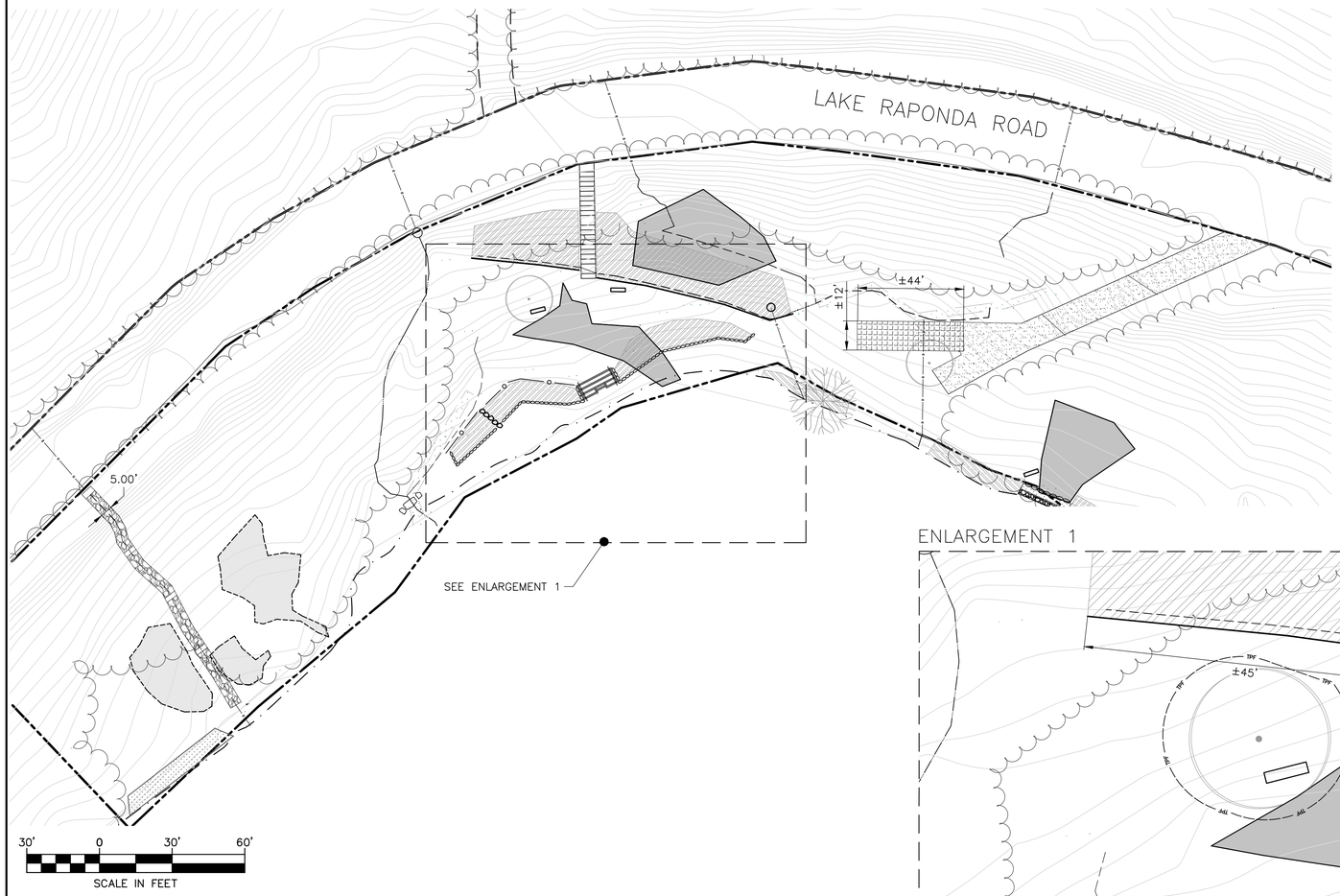

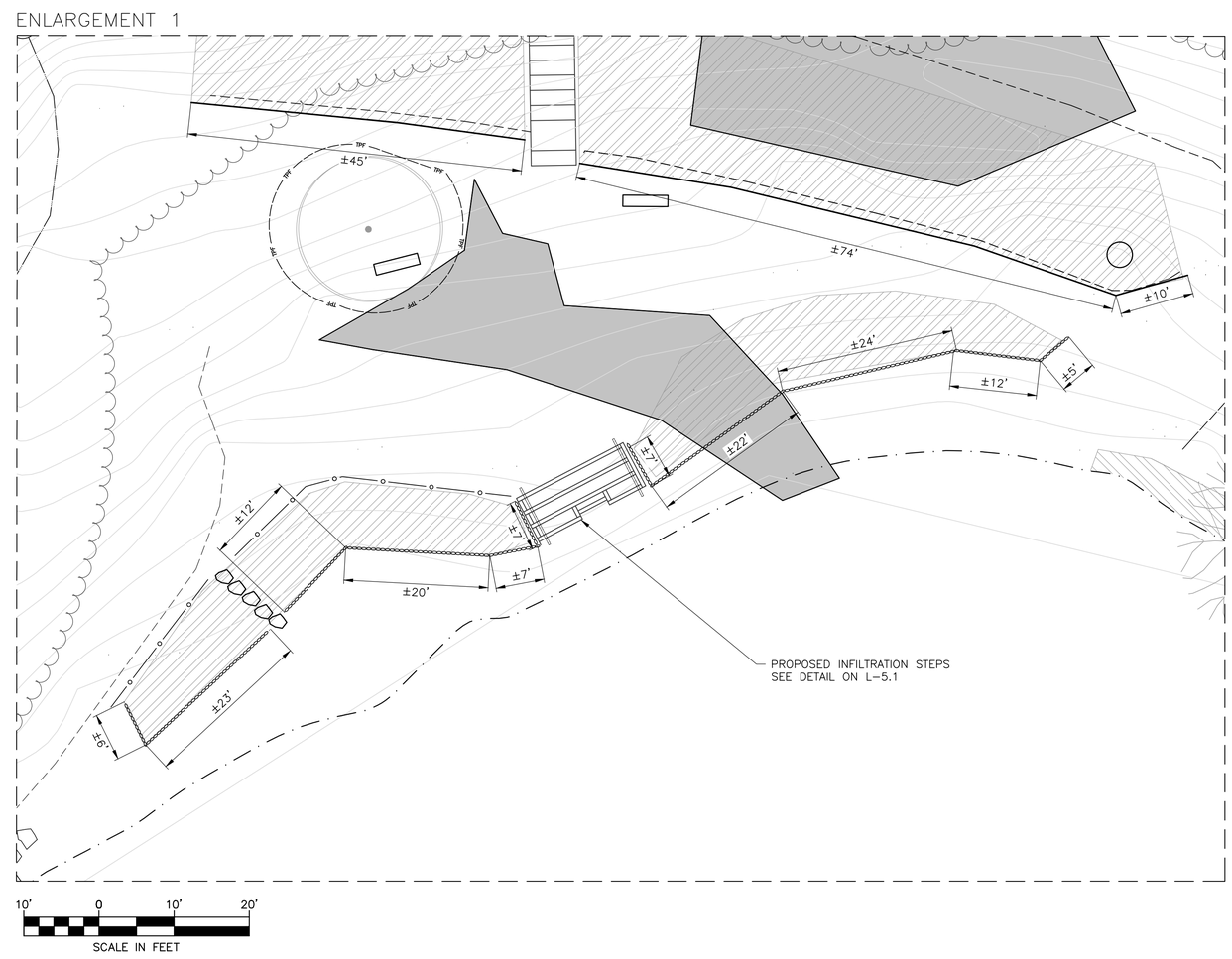

LEGEND

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

NOTES:

1. ALL SITE ELEMENT LOCATIONS ARE APPROXIMATE, VERIFY IN FIELD ALL SITE ELEMENTS.
2. CONTRACTOR TO STAKE PROPOSED ELEMENTS IN FIELD AND GET APPROVAL FROM THE LANDSCAPE ARCHITECT BEFORE INSTALLATION.

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CLIENT NAME

WINDHAM COUNTY NATURAL RESOURCES CONSERVATION DISTRICT

PROJECT NAME

LAKE RAPONDA SHORELINE EROSION CONTROL 90% DESIGN

GREEN MOUNTAIN BEACH WILMINGTON, VT

SHEET TITLE

LAYOUT PLAN

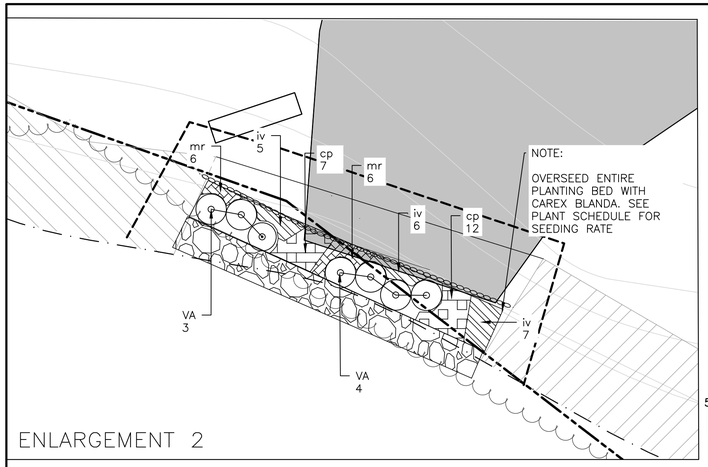
D&K PROJECT #	PROJ. ENG.
230341P1	CJR
DRAWN BY KAC	CHECKED BY ANH

DATE 7/15/2026

SHEET NUMBER

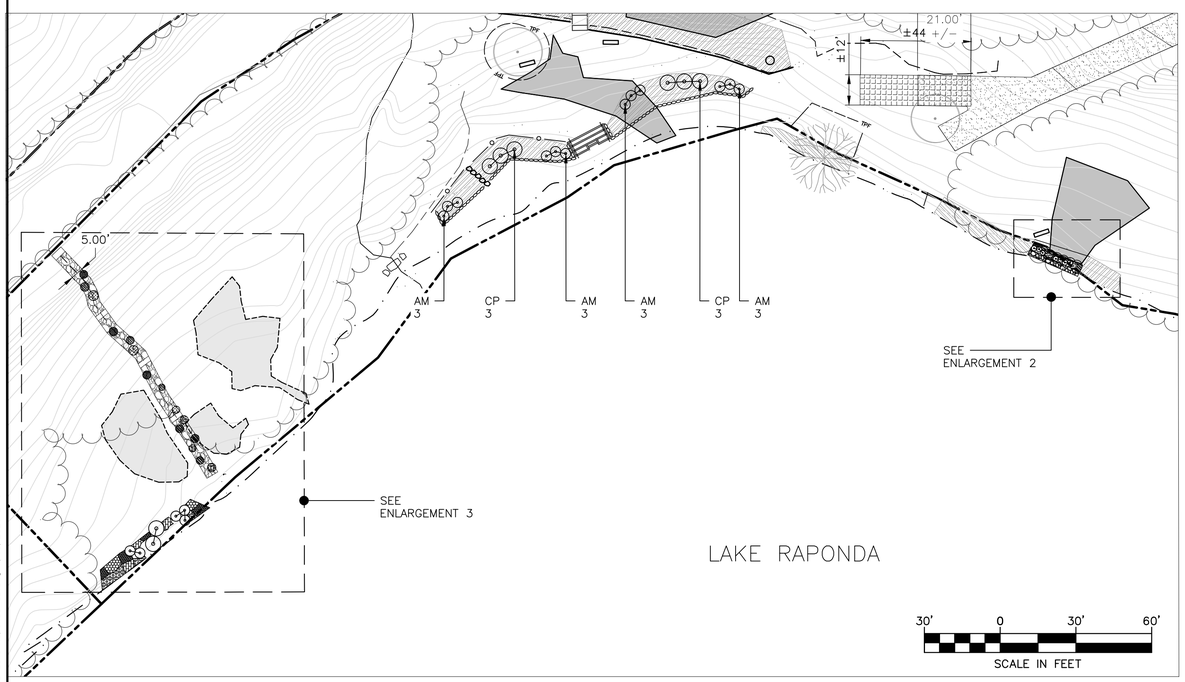
L-2.0

SHEET: 6 of 12



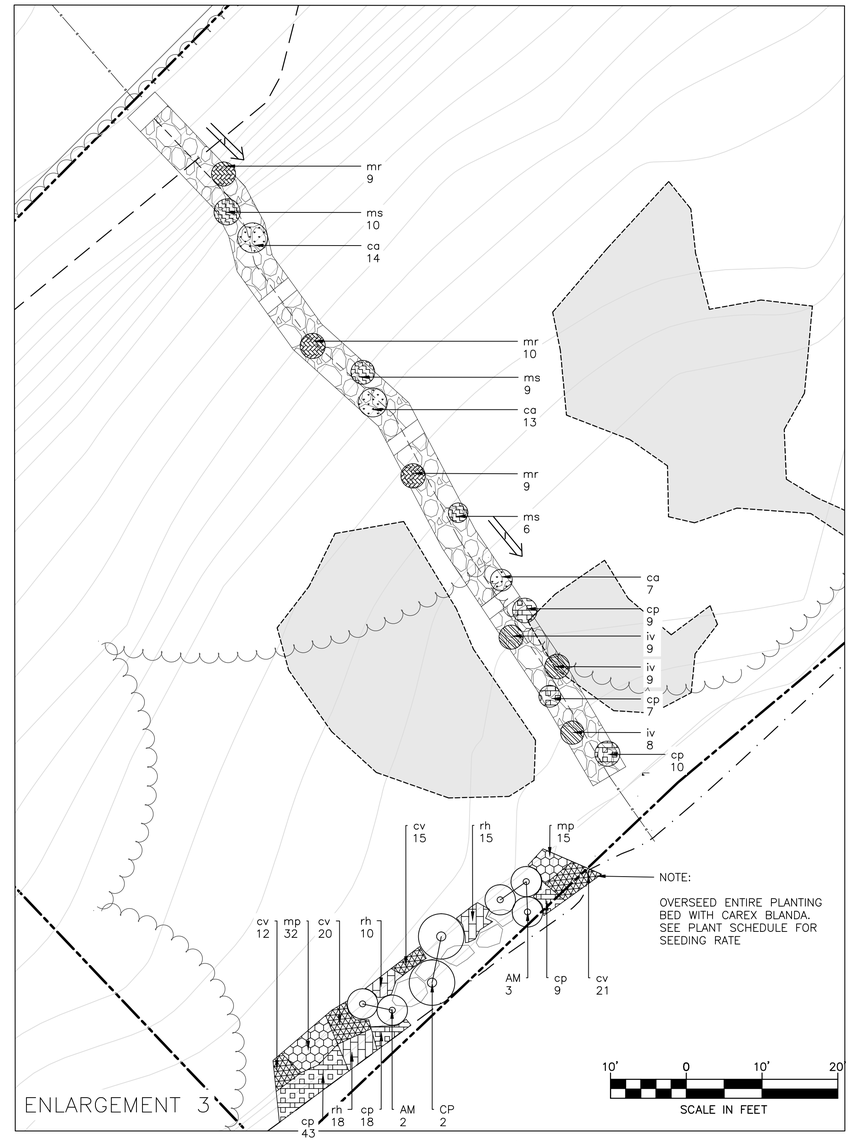
ENLARGEMENT 2

5' 0 5' 10'
SCALE IN FEET



LAKE RAPONDA

30' 0 30' 60'
SCALE IN FEET



ENLARGEMENT 3

10' 0 10' 20
SCALE IN FEET

LEGEND

- PROPERTY LINE
- EXISTING CONTOUR
- STORM DRAIN/CULVERT PIPE
- MEAN WATER LEVEL
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- GRAVEL ROAD
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- INFERRED WETLANDS
- PROTECTED VEGETATION
- EX. EVERGREEN TREE
- EX. DECIDUOUS TREE
- PROPOSED SHRUB
- 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
SHRUBS						
AM	17	*Aronia melanocarpa 'Low Scape'*	Black Chokeberry	5 gal.	Cont.	4' O.C.
CP	8	*Comptonia peregrina*	Sweetfern	5 gal.	Cont.	6' O.C.
VA	7	*Vaccinium angustifolium*	Lowbush Blueberry	5 gal.	Cont.	5' O.C.
HERBACEOUS PLANTINGS						
ca	34	*Carex appalachia*	Appalachian Sedge	quart pot	Cont.	12" O.C.
cv	68	*Carex vulpinoidea*	Fox Sedge	quart pot	Cont.	12" O.C.
cp	115	*Catha palustris*	Marsh Marigold	quart pot	Cont.	12" O.C.
iv	44	*Iris versicolor*	Blueflag Iris	quart pot	Cont.	12" O.C.
ms	25	*Matteuccia struthiopteris*	Ostrich Fern	quart pot	Cont.	12" O.C.
mr	40	*Mitchella repens*	Partridgeberry	quart pot	Cont.	12" O.C.
mp	47	*Mondarda punctata*	Spotted Bee Balm	quart pot	Cont.	12" O.C.
rh	43	*Ruellia humilis*	Wild Petunia	quart pot	Cont.	12" O.C.
MISC. ITEMS/SEED MIXES						
SEEDING RATE		**SEED SPECIES**	**SUPPLIER**	**SEEDING AREA**		
2 oz per 1,000 sq feet		*Carex BLANDA*		*330 sqft*		

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WINDHAM COUNTY NATURAL RESOURCES CONSERVATION DISTRICT

PROJECT NAME
LAKE RAPONDA SHORELINE EROSION CONTROL
90% DESIGN

GREEN MOUNTAIN BEACH
WILMINGTON, VT

SHEET TITLE
PLANTING PLAN

D&K PROJECT #	PROJ. ENG.
230341P1	CJR
DRAWN BY KAC	CHECKED BY ANH

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L-3.0

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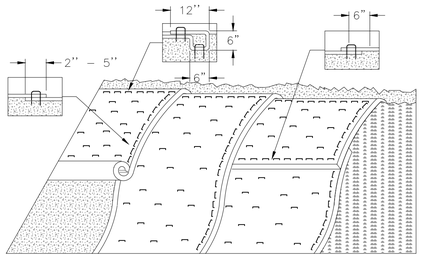


EROSION PREVENTION FOR SIDE SLOPES
NOT TO SCALE

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:

1. GRADE AND SMOOTH THE SLOPE TO PROVIDE GOOD MATTING TO SOIL SURFACE CONTACT.
2. APPLY FERTILIZER, LIME, AND SEED PRIOR TO PLACING MATTING.
3. ANCHOR MATTING AS SHOWN, UTILIZING ANCHOR STAPLES. STAPLE PLACEMENT SHALL BE DETERMINED BY THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
4. UNROLL MATTING VERTICALLY DOWN SLOPE IN THE DIRECTION OF WATER FLOW.
5. OVERLAP UPPER MATTING OVER LOWER MATTING AS SHOWN.
6. OVERLAP ADJACENT MATTING AS SHOWN.
7. CUT EXCESS MATTING AT END OF SLOPE AND ANCHOR THE END.
8. EROSION CONTROL MATTING SHALL BE 100% BIODEGRADABLE.
9. 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.
10. MATTING SHALL BE REPAIRED AND RESTAPLED AS NECESSARY TO ENSURE PROPER FUNCTION.
11. 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

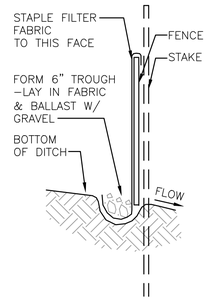
INSPECT EROSION PREVENTION AND SEDIMENT CONTROL MEASURES MORE FREQUENTLY IN THE WINTER AND SPRING THAN IN THE SUMMER. PAY CAREFUL ATTENTION TO WEATHER PREDICTIONS. WATCH FOR PREDICTED THAWS OR HEAVY RAINS. BEFORE SUCH EVENTS, CHECK ALL CONTROL MEASURES TO BE SURE THAT STRUCTURES WILL MANAGE THE POTENTIALLY 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

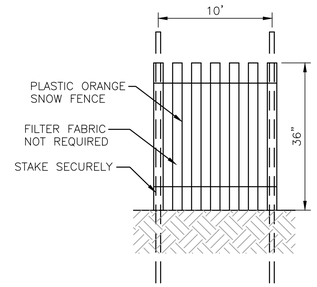
AS EARLY AS IS PRACTICAL, AT THE BEGINNING OF THE NEXT GROWING SEASON, INSTALL PERMANENT VEGETATIVE CONTROLS AS SPECIFIED IN THIS EPSC PLAN.

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.



SILT FENCE SECTION
NOT TO SCALE



ISOLATION FENCE
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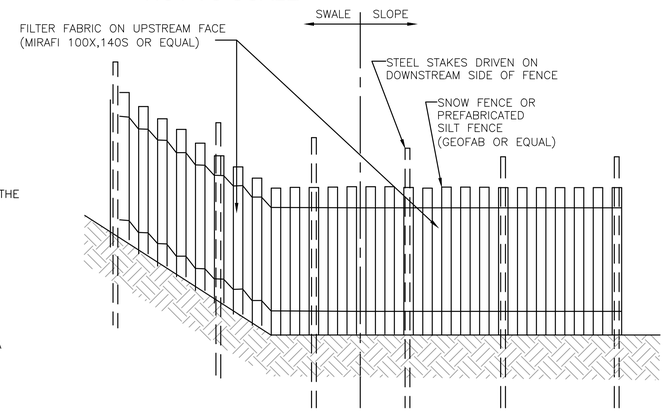
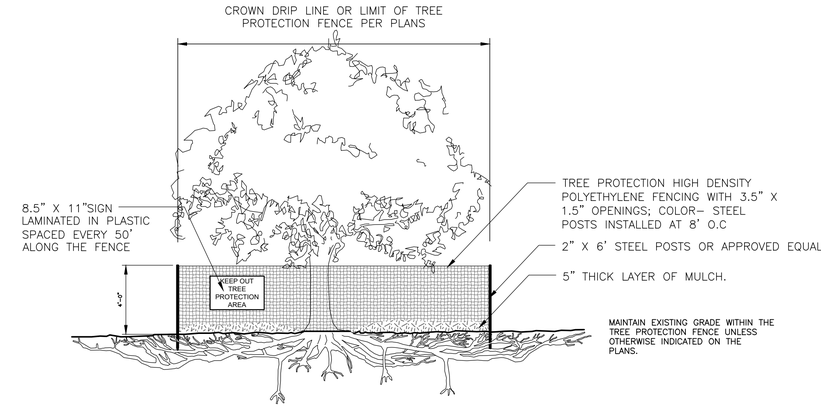


SILT FENCE SECTION
NOT TO SCALE

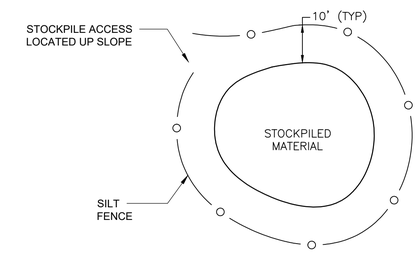
EROSION CONTROL SCHEDULE	
FOR SITE CONDITIONS	USE TYPE
AREAS FLATTER THAN 1:5 (20%)	STRAW MULCH
AREAS 1:5 (20%) OR STEEPER	MATTING/BLANKETS
ALL DISTURBED AREAS	SEED AND SOD
ACROSS SLOPES AROUND CATCH BASINS AROUND STOCK PILE AND BORROW AREAS TOES OF SLOPE ALONG STREAMS AND WATER BODIES AS SHOWN ON DRAWINGS	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:
1. SEE SPECIFICATIONS FOR ADDITIONAL TREE PROTECTION REQUIREMENTS.
2. IF THERE IS NO EXISTING IRRIGATION, SEE SPECIFICATIONS FOR WATERING REQUIREMENTS.
3. ANY REQUIRED PRUNING SHALL BE DONE BY AN APPROVED ARBORIST.
4. NO EQUIPMENT SHALL OPERATE INSIDE THE PROTECTIVE FENCING, INCLUDING DURING FENCE INSTALLATION AND REMOVAL.
5. SEE EPSC AND LANDSCAPE PLANS FOR ANY MODIFICATIONS WITHIN THE TREE PROTECTION AREA.
6. 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.
7. ROOTS GREATER THAN 2 INCHES IN DIAMETER THAT CAN NOT BE PRESERVED TO BE CUT CLEAN BY AN APPROVED PROFESSIONAL.

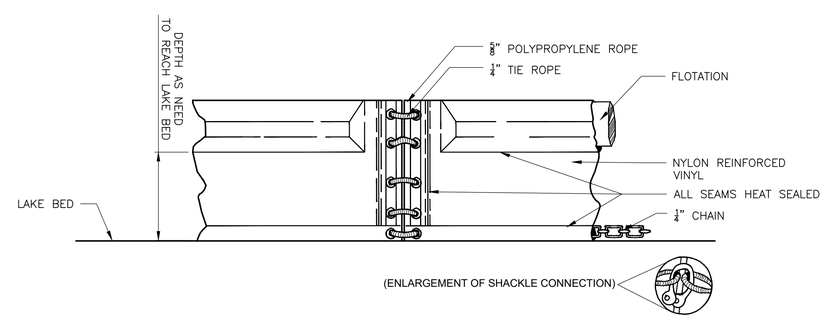
TREE PROTECTION AREA
NOT TO SCALE



NOTES:

1. 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:

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

TURBIDITY CURTAIN DETAIL
NOT TO SCALE

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CLIENT NAME
WINDHAM COUNTY NATURAL RESOURCES CONSERVATION DISTRICT

PROJECT NAME
LAKE RAPONDA SHORELINE EROSION CONTROL 90% DESIGN

GREEN MOUNTAIN BEACH
WILMINGTON, VT

SHEET TITLE
DETAILS-EPSC

D&K PROJECT #	PROJ. ENG.
230341P1	CJR
DRAWN BY KAC	CHECKED BY ANH

DATE 7/15/2026

SHEET NUMBER
L-5.0

SHEET: 8 of 12

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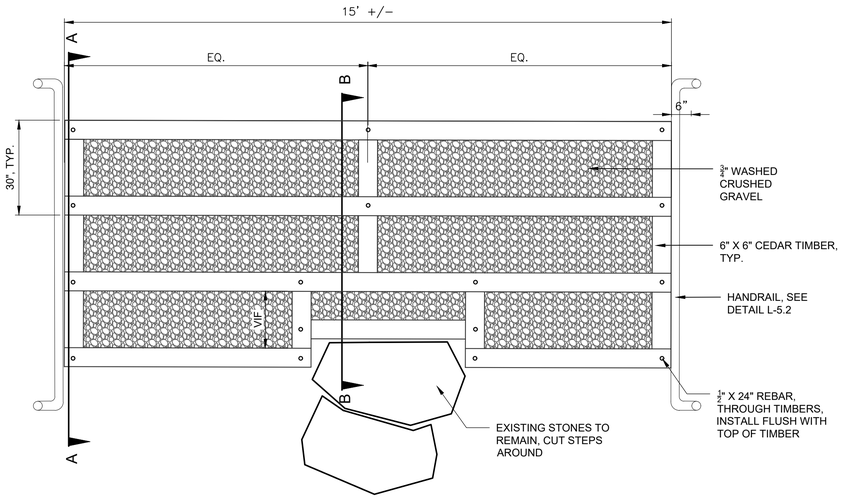
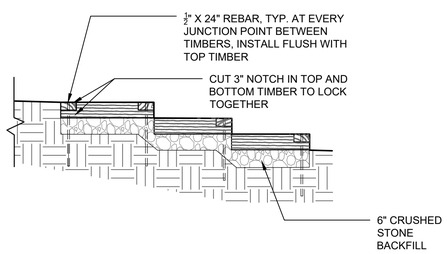
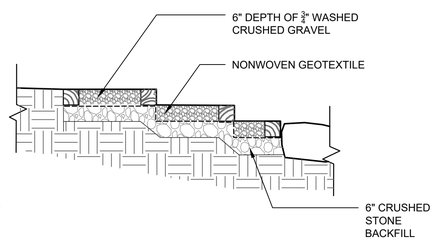


PLAN



SECTION A-A

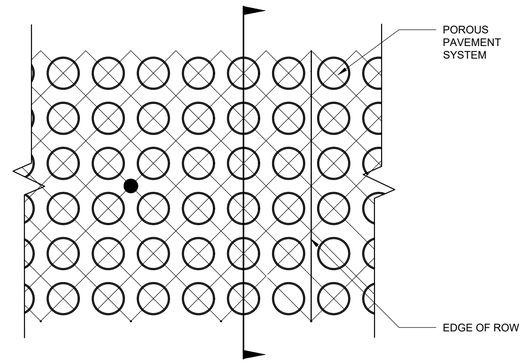


SECTION B-B

INFILTRATION STEPS DETAIL

NOT TO SCALE

BASIS OF DESIGN:
INVISIBLE STRUCTURES, INC.
GRASSPAVE2



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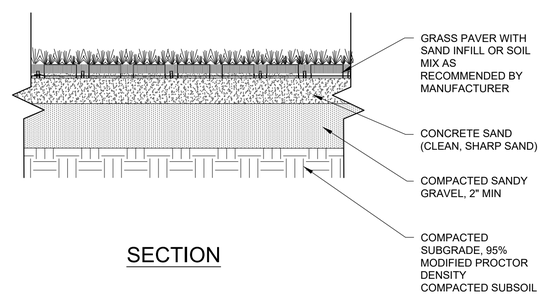
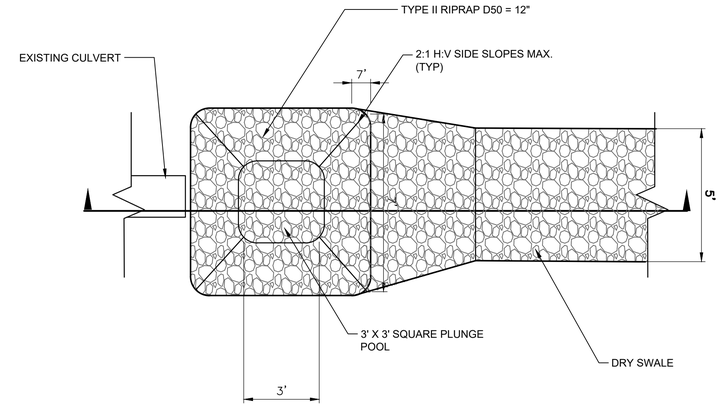


SECTION

GRASS PAVE DETAIL

NOT TO SCALE



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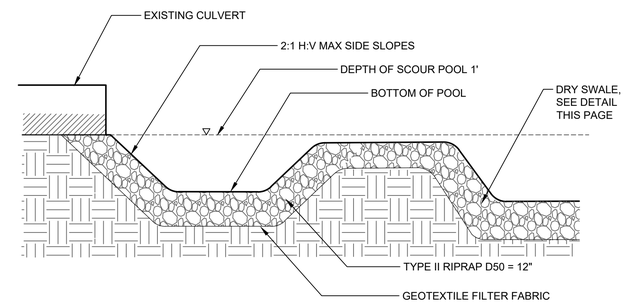
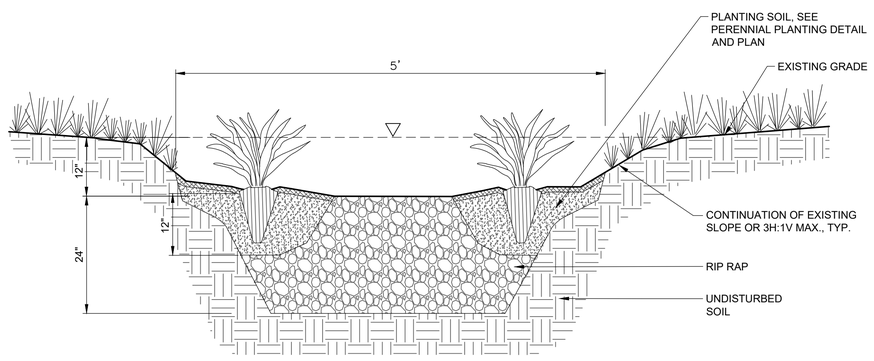


SECTION

PLUNGE POOL DETAIL

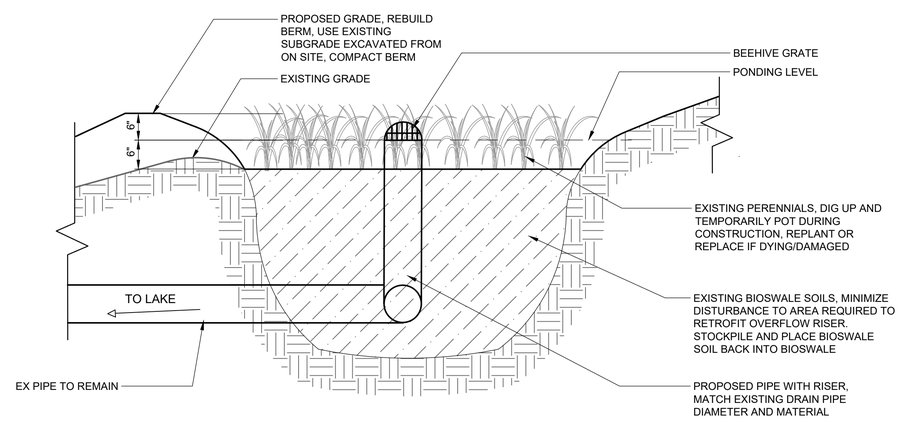
NOT TO SCALE



NOTE:
1. REMOVE EXISTING RIP RAP AND STOCK PILE.
2. DIG SWALE TO SPECIFIED DEPTH AND REPLACE RIP RAP, ADD ADDITIONAL RIP RAP TO MEET SPECIFIED HEIGHT AS NEEDED.
3. ADDED RIPRAP TO BE TYPE II D50 = 12"

TYPICAL DRY SWALE SECTION

NOT TO SCALE



BIOSWALE OVERFLOW RISER RETROFIT DETAIL

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SHEET TITLE

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230341P1	CJR
DRAWN BY KAC	CHECKED BY ANH

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SHEET NUMBER

L-5.1

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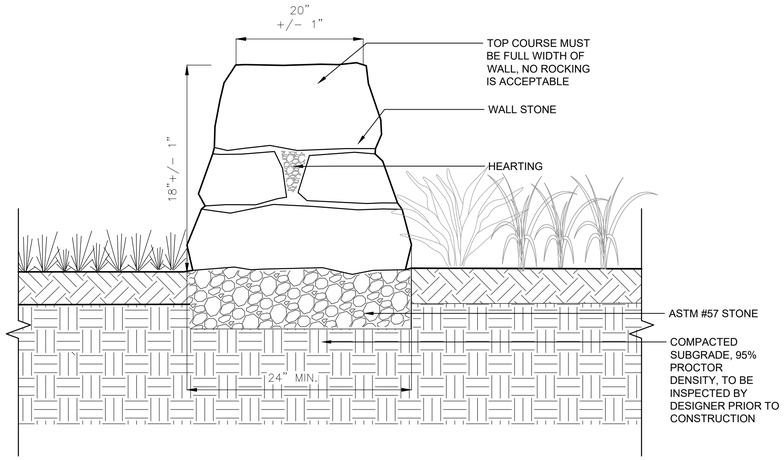
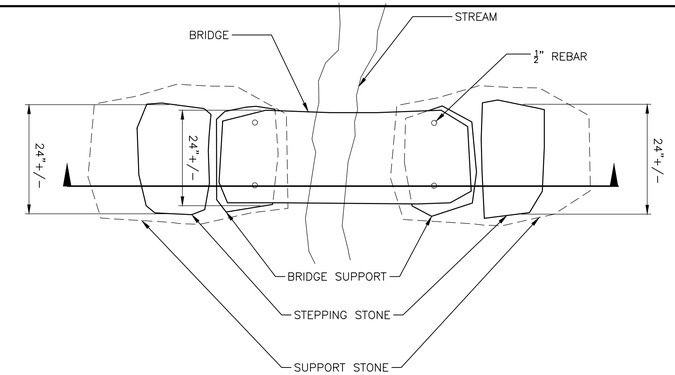


NOTES:

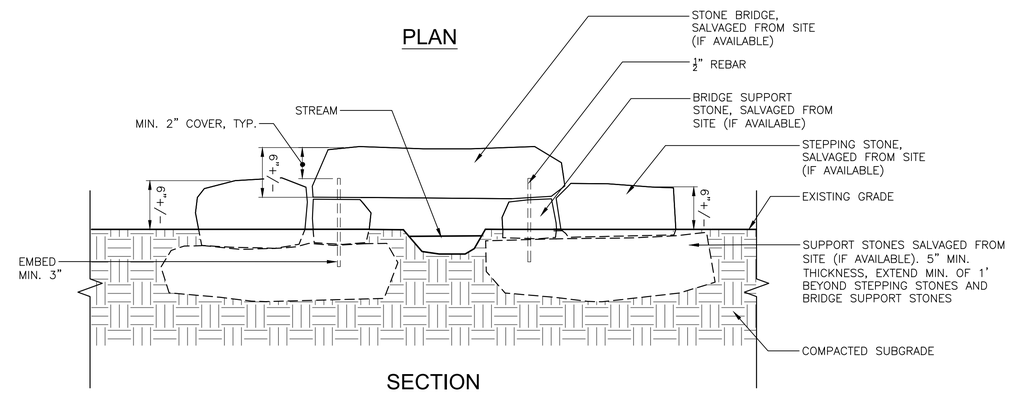
1. MAXIMUM OF THREE COURSES OF STONE TO REACH REQUIRED HEIGHT.
2. NO VISIBLE PINNING ON FACES OF WALL.
3. THE FACES OF THE WALL SHALL HAVE NO BULGES OR HOLLOWS.
4. ALL STONES TO BE SET LEVEL, PINNING WITH WALL STONE IS ONLY ACCEPTABLE MATERIAL.
5. STONES SHALL BE PLACED SO THAT THEY HAVE 3 OR 4 POINTS OF CONTACT WITH THE STONE COURSE BELOW.
6. ALL WALL STONE TO BE FROM SAME SOURCE
7. ONLY CHIPS OF THE WALL STONE OR CHIPS/TAILINGS THE SAME TYPE OF QUARRIED STONE ARE ACCEPTABLE HEARTING MATERIAL FOR FILLING VOIDS WITHIN THE WALL.
8. ALL STONE SHALL COMPLY WITH APPLICABLE ASTM STANDARDS.
9. MATERIALS SHALL BE STORED IN A DRY, AND WELL-DRAINED AREA TO PROTECT AGAINST MOISTURE AND FOREIGN MATTER.
10. WHEN STORED OR STAGED, STACKS SHOULD BE NEAT, ORDERLY, AND STABLE.
11. WHEN STORED OR STAGED, MATERIALS SHALL NOT POSE UNDUE STRESS ON ADJACENT STRUCTURES.
12. MATERIALS SHALL NOT BE STORED UNDER THE CANOPY OF EXISTING TREES, IN ORDER TO PREVENT SOIL COMPACTION OVER ROOT ZONES.
13. AT THE COMPLETION OF WALL CONSTRUCTION, FINISHED GRADE AND MATERIALS SHALL BE ESTABLISHED IN ACCORDANCE WITH CONSTRUCTION DRAWINGS. IF FINAL CONDITION ADJACENT TO THE WALL IS NOT PLACED IMMEDIATELY AFTER WALL COMPLETION, TEMPORARY GRADING AND DRAINAGE SHALL BE PROVIDED TO ENSURE WATER RUNOFF IS NOT DIRECTED AT THE WALL NOR ALLOWED TO COLLECT OR POND BEHIND THE WALL UNTIL FINAL GRADING ADJACENT TO THE WALL IS COMPLETED.
14. WHEN WORK IS COMPLETE, CONTRACTOR SHALL REMOVE ALL DEBRIS AND RUBBLE.
15. ANY CHANGES SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT/OWNER OR ITS REPRESENTATIVE.

FREESTANDING DRY STACKED STONE WALL

NOT TO SCALE



PLAN

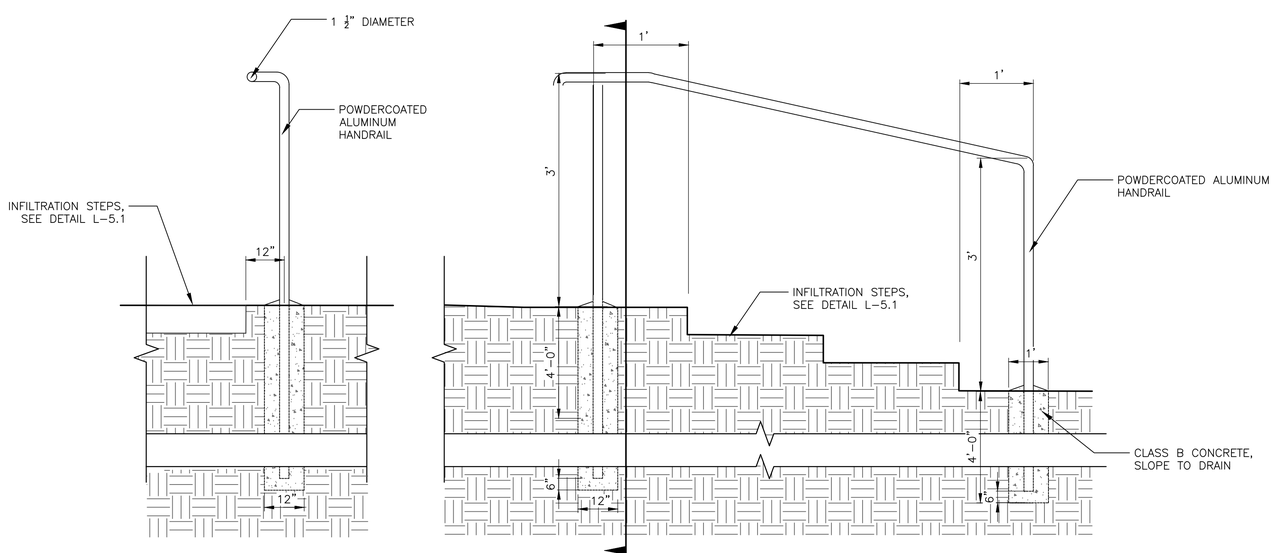


SECTION

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

STONE BRIDGE DETAIL

NOT TO SCALE



FRONT SECTION

SIDE SECTION

HANDRAIL DETAIL

NOT TO SCALE

NOTES:

1. SHOP DRAWINGS REQUIRED.
2. ALL RAILING COMPONENTS SHALL BE FABRICATED FROM EXTRUDED ALUMINUM ALLOY 6061-T6 OR 6063-T5, UNLESS OTHERWISE NOTED.
3. PREP FOR METAL OR GALVANIZED METAL PER MANUFACTURER'S INSTRUCTIONS; PREP. PRIME, AND PAINT WITH TWO COATS OF HIGH PERFORMANCE ALKYD URETHAND ENAMEL, HP-2210.
4. COLOR SHALL BE AS SELECTED BY LANDSCAPE ARCHITECT FROM MANUFACTURER'S FULL RANGE OF COLORS.
5. FINISH SHALL MEET AMERICAN ARCHITECTURAL MANUFACTURERS ASSOCIATION AAMA 2604 OR 2605 PERFORMANCE
6. FABRICATE RAILING ASSEMBLIES IN SHOP TO GREATEST EXTENT POSSIBLE TO MINIMIZE FIELD WELDING AND CUTTING.
7. PROVIDE SMOOTH, UNIFORM JOINTS WITH NO VISIBLE FASTENERS UNLESS NOTED.
8. ALL MATERIAL TO BE CLEAN, DEGREASED AND FREE OF IMPURITIES.
9. ANY CHANGES SHALL BE APPROVED BY THE OWNER OR ITS REPRESENTATIVE.

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GREEN MOUNTAIN BEACH WILMINGTON, VT

SHEET TITLE

DETAILS

D&K PROJECT #	PROJ. ENG.
230341P1	CJR
DRAWN BY KAC	CHECKED BY ANH

DATE 7/15/2026

SHEET NUMBER

L-5.2

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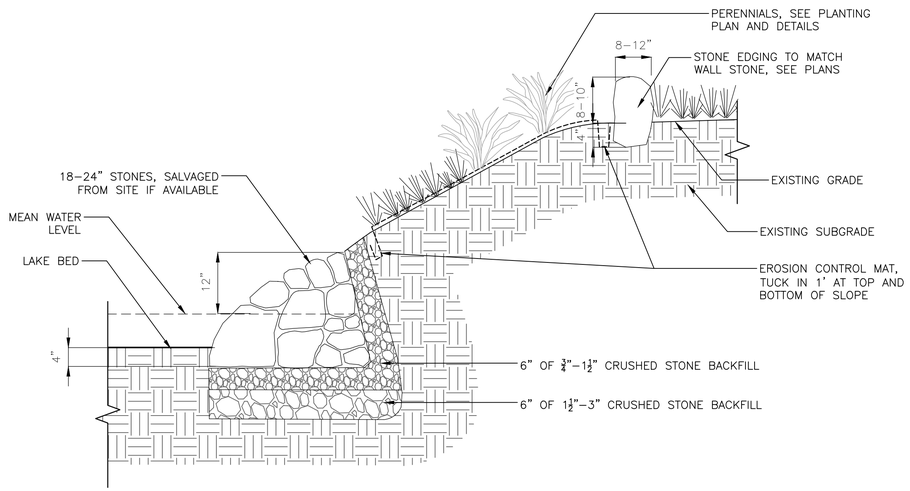
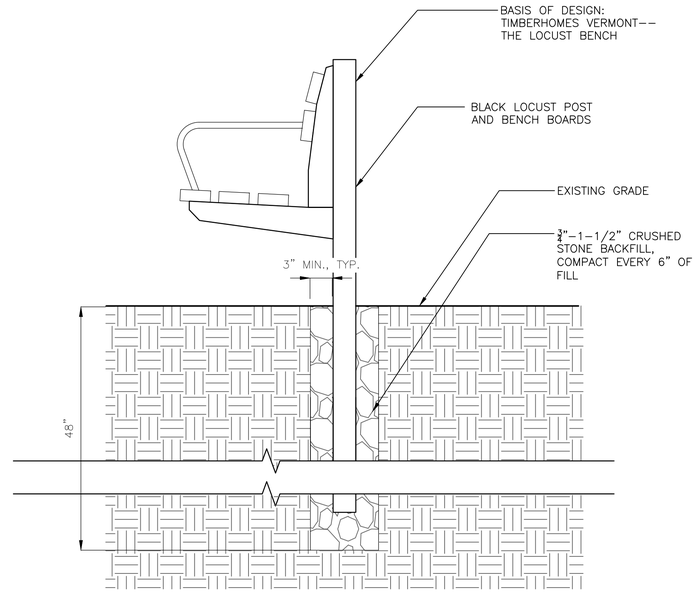


NOTE:
1. NO WORK IN WATER MAY BE STARTED PRIOR TO INSTALLATION OF TURBIDITY CURTAIN
2. SALVAGED STONES MAY NOT BE REMOVED FROM EXISTING SHORELINE STABILIZATION STONES, SALVAGED STONES MAY BE FROM EXCAVATION ONLY.

STONE TOE DETAIL
NOT TO SCALE



BENCH EMBEDMENT DETAIL
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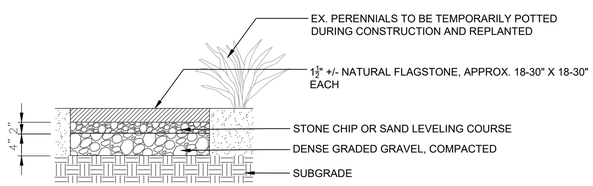
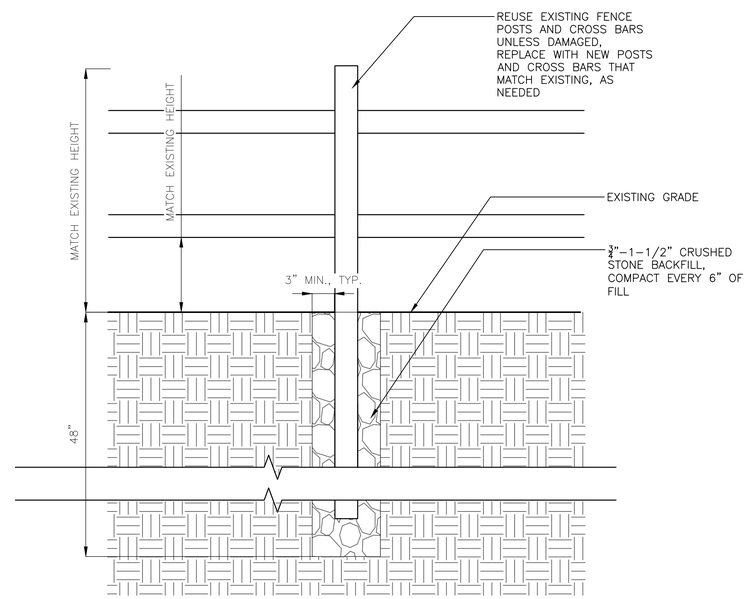


NOTES:
1. PROVIDE SUBMITTAL WITH SUPPLIER/SOURCE INFORMATION.
2. STONE TO BE QUARRIED WITHIN VERMONT.
3. REPLANTING LOCATIONS FOR EXISTING PERENNIALS TO BE CONFIRMED BY LANDSCAPE ARCHITECT.

STEPPING STONES DETAIL
NOT TO SCALE



RELOCATED FENCE DETAIL
NOT TO SCALE

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230341P1	CJR
DRAWN BY KAC	CHECKED BY ANH

DATE 7/15/2026

SHEET NUMBER
L-5.3

SHEET: 11 of 12

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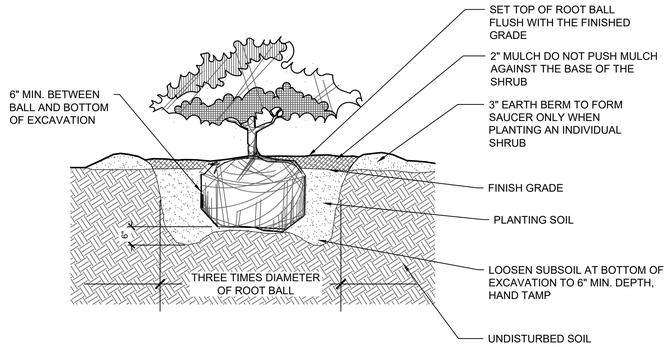


NOTES:

1. FOR CONTAINER SHRUBS, COMPLETELY REMOVE ALL OF NON-BIODEGRADABLE CONTAINER AND SCARIFY ROOTBALL.

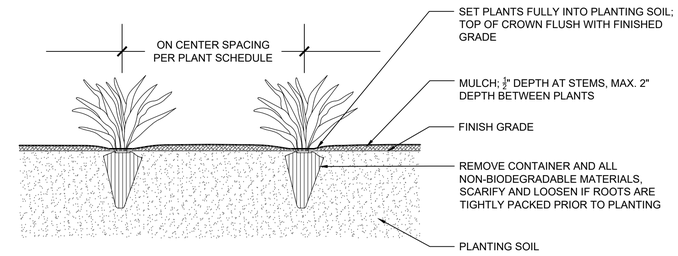
2. FOR B&B, CUT AND REMOVE BURLAP AND METAL CAGE IF PRESENT. FOR CONTAINER, REMOVE CONTAINER.

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 IMMEDIATLEY AFTER NEW PLANTING IS INSTALLED.

SHRUB PLANTING DETAIL

NOT TO SCALE



PERENNIAL PLANTING DETAIL

NOT TO SCALE

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L-5.4

SHEET: 12 of 12

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