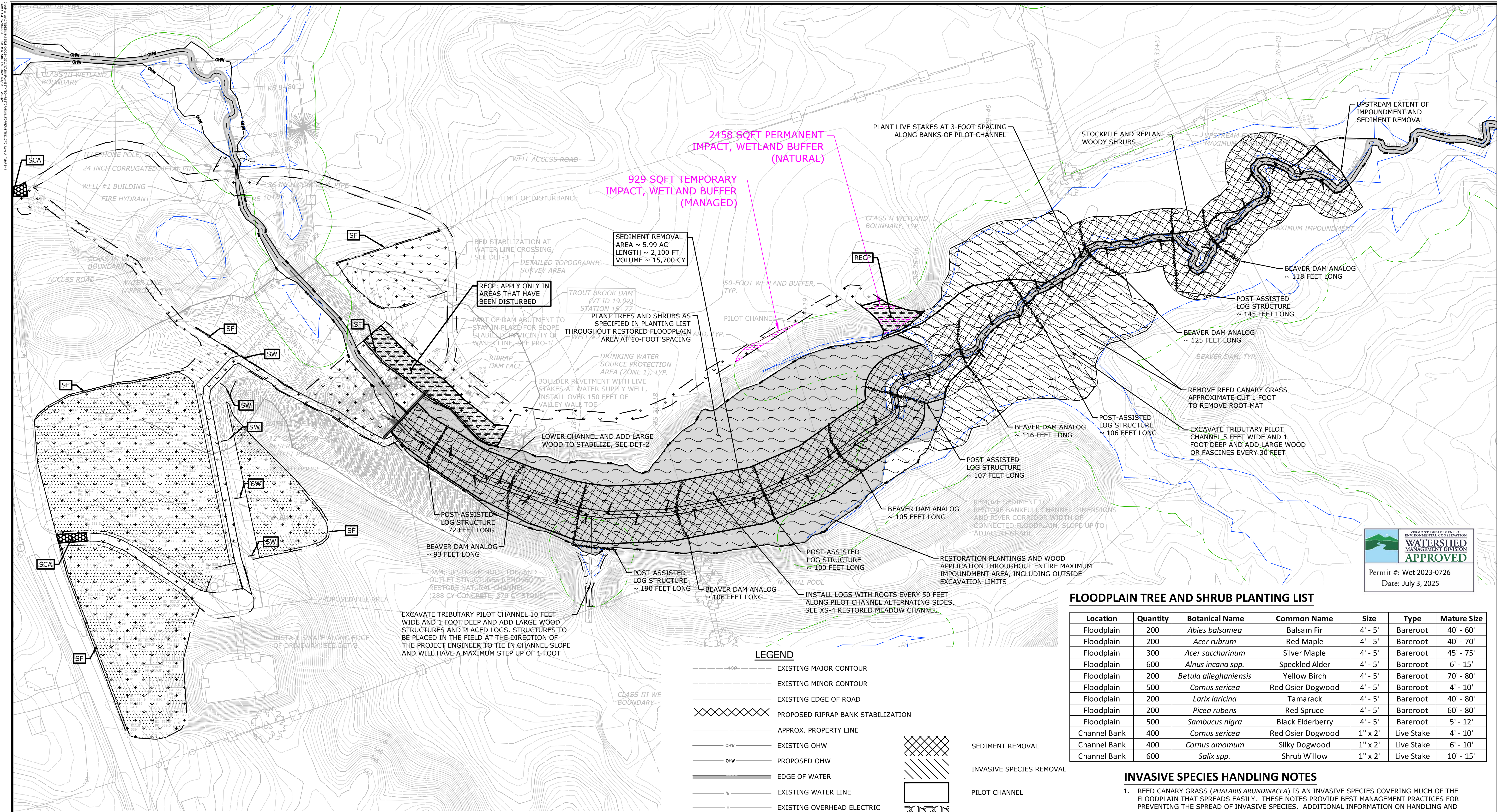




	Species	Application Rate	Area	Estimated Quantity
	Switchgrass (<i>Panicum virgatum</i>), Virginia wild rye (<i>Elymus virginicus</i>), Red fescue (<i>Festuca rubra</i>), Fox sedge (<i>Carex vulpinoidea</i>), Woolgrass (<i>Scirpus cyperinus</i>), Green bulrush (<i>Scirpus atrovirens</i>), Nodding bur-marigold (<i>Bidens cernua</i>), Boneset (<i>Eupatorium perfoliatum</i>), Joe-pye weed (<i>Eupatoriadelphus maculatus</i>), soft rush (<i>Juncus effusus</i>), Sensitive fern (<i>Onoclea sensibilis</i>), Blue vervain (<i>Verbena hastata</i>), New England aster (<i>Symphyotrichum nova-angliae</i>)	35 Lbs. / Acre	7.4 Acres	258 Lbs.
	Indiangrass (<i>Sorghastrum nutans</i>), Little bluestem (<i>Schizachyrium scoparium</i>), Virginia wild rye (<i>Elymus virginicus</i>), Side oats grama (<i>Bouteloua curtipendula</i>), wild bergamot (<i>Monarda fistulosa</i>), common milkweed (<i>Asclepias incarnata</i>), Black-eyed susan (<i>Rudbeckia hirta</i>), Golden alexanders (<i>Zizia aurea</i>), Big bluestem (<i>Andropogon gerardii</i>), Ox-eye sunflower (<i>Helopsis helianthoides</i>), Showy ticktrefoil (<i>Desmodium canadense</i>), Lanceleaf tickseed (<i>Coreopsis lanceolata</i>), Sneezeweed (<i>Helenium autumnale</i>), and Great St. Johnswort (<i>Hypericum pyramidatum</i>)	35 Lbs. / Acre	5.8 Acres	203 Lbs.

2458 SQFT PERMANENT
IMPACT, WETLAND BUFFER
(NATURAL)

929 SQFT TEMPORARY
IMPACT, WETLAND BUFFER
(MANAGED)

SEDIMENT REMOVAL
AREA ~ 5.99 AC
LENGTH ~ 2,100 FT
VOLUME ~ 15,700 CY

RECP: APPLY ONLY IN
AREAS THAT HAVE
BEEN DISTURBED

PLANT TREES AND SHRUBS AS
SPECIFIED IN PLANTING LIST
THROUGHOUT RESTORED FLOODPLAIN
AREA AT 10-FOOT SPACING

PART OF DAM ABUTMENT TO
STAY IN PLACE FOR SCOPE
STABILIZED IN VICINITY OF
WATER LINE, SEE PRO-1

BOULDER REVETMENT WITH LIVE
STAKES AT WATER SUPPLY WELL,
INSTALL OVER 150 FEET OF
VALLEY WALL TOE

DRINKING WATER
SOURCE PROTECTION
AREA (ZONE 1); TYP.

LOWER CHANNEL AND ADD LARGE
WOOD TO STABILIZE, SEE DET-2

POST-ASSISTED
LOG STRUCTURE
~ 72 FEET LONG

BEAVER DAM ANALOG
~ 93 FEET LONG

DAM: UPSTREAM ROCK TOE AND
OUTLET STRUCTURES REMOVED TO
RESTORE NATURAL CHANNEL
(288 CY CONCRETE, 370 CY STONE)

EXCAVATE TRIBUTARY PILOT CHANNEL 10 FEET
WIDE AND 1-FOOT DEEP AND ADD LARGE WOOD
STRUCTURES AND PLACED LOGS. STRUCTURES TO
BE PLACED IN THE FIELD AT THE DIRECTION OF
THE PROJECT ENGINEER TO TIE IN CHANNEL SLOPE
AND WILL HAVE A MAXIMUM STEP UP OF 1 FOOT

INSTALL SWALE ALONG EDGE
OF DRIVEWAY, SEE DET-3

LEGEND

- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING EDGE OF ROAD
- PROPOSED RIPRAP BANK STABILIZATION
- APPROX. PROPERTY LINE
- EXISTING OHW
- PROPOSED OHW
- EDGE OF WATER
- EXISTING WATER LINE
- EXISTING OVERHEAD ELECTRIC
- WETLAND BOUNDARY
- 50-FOOT WETLAND BUFFER

- SEDIMENT REMOVAL
- INVASIVE SPECIES REMOVAL
- PILOT CHANNEL
- BED STABILIZATION
- FILL AREA

RESTORATION NOTES

- SEED UPLAND AREAS WITH VERMONT NATIVE WILDFLOWER AND GRASS SEED MIX, FROM VERMONT WETLAND PLANT SUPPLY OR APPROVED EQUAL. SEED WETLAND AREAS WITH VERMONT WET MEADOW MIX, FROM VERMONT WETLAND SUPPLY OR APPROVED EQUAL. ALSO SEED WITH FAST GROWING ANNUALS SUCH AS WINTER RYE, BUCKWHEAT, OR OATS. APPLICATION RATE VARIES BY SPECIES CHOSEN.
- APPLY 2 INCHES STRAW MULCH OVER ALL SEEDED AREAS. HAY IS NOT ALLOWED.
- ANY DISTURBED SOIL SLOPES 2:1 OR STEEPER SHALL BE STABILIZED WITH EROSION CONTROL BLANKET PER DIRECTION OF PROJECT ENGINEER, SEE DETAIL.
- REMOVE TEMPORARY ACCESS ROADS AND TEMPORARY STOCKPILE AREAS.
- RESTORE ALL ACCESS ROUTES USED DURING CONSTRUCTION TO PRE-EXISTING OR IMPROVED CONDITIONS, FILL RUTS PROVIDED BY EQUIPMENT TO RESTORE GRADE AND REVEGETATE AS NEEDED.
- CONTRACTOR IS RESPONSIBLE FOR REPAIRS TO SITE FEATURES IF DAMAGED BY CONSTRUCTION ACTIVITIES.
- RESTORE ALL OTHER DISTURBED AREAS WITHIN THE PROJECT SITE SUCH AS TEMPORARY ACCESS ROADS, STOCKPILE AREAS, STAGING AREAS, AND SURPLUS DISPOSAL AREAS TO ORIGINAL OR IMPROVED CONDITION.
- THE SITE IS TO BE FULLY SEEDED AND MULCHED FOLLOWING CONSTRUCTION.
- ALL PLANT MATERIALS SHALL CARRY A GUARANTEE FOR A PERIOD OF TWO YEARS FROM THE DATE OF PROJECT COMPLETION. THIS WILL INCLUDE REPLACEMENT OF TREES AND SHRUBS FOUND TO BE DEFECTIVE INCLUDING DEATH AND UNSATISFACTORY GROWTH (MORE THAN 20% DIEBACK). THIS ALSO APPLIES TO AREAS OF POOR VEGETATION COVER WHERE SEED DID NOT ESTABLISH WHERE OVER-SEEDING WILL BE REQUIRED. ALL REPLACEMENTS SHALL BE OF THE SAME KIND AND SIZE OF PLANTS SPECIFIED IN THE PLANT LIST.

FLOODPLAIN TREE AND SHRUB PLANTING LIST

Location	Quantity	Botanical Name	Common Name	Size	Type	Mature Size
Floodplain	200	<i>Abies balsamea</i>	Balsam Fir	4' - 5'	Bareroot	40' - 60'
Floodplain	200	<i>Acer rubrum</i>	Red Maple	4' - 5'	Bareroot	40' - 70'
Floodplain	300	<i>Acer saccharinum</i>	Silver Maple	4' - 5'	Bareroot	45' - 75'
Floodplain	600	<i>Alnus incana spp.</i>	Speckled Alder	4' - 5'	Bareroot	6' - 15'
Floodplain	200	<i>Betula alleghaniensis</i>	Yellow Birch	4' - 5'	Bareroot	70' - 80'
Floodplain	500	<i>Cornus sericea</i>	Red Osier Dogwood	4' - 5'	Bareroot	4' - 10'
Floodplain	200	<i>Larix laricina</i>	Tamarack	4' - 5'	Bareroot	40' - 80'
Floodplain	200	<i>Picea rubens</i>	Red Spruce	4' - 5'	Bareroot	60' - 80'
Floodplain	500	<i>Sambucus nigra</i>	Black Elderberry	4' - 5'	Bareroot	5' - 12'
Channel Bank	400	<i>Cornus sericea</i>	Red Osier Dogwood	1" x 2'	Live Stake	4' - 10'
Channel Bank	400	<i>Cornus amomum</i>	Silky Dogwood	1" x 2'	Live Stake	6' - 10'
Channel Bank	600	<i>Salix spp.</i>	Shrub Willow	1" x 2'	Live Stake	10' - 15'

INVASIVE SPECIES HANDLING NOTES

- REED CANARY GRASS (*PHALARIS ARUNDINACEA*) IS AN INVASIVE SPECIES COVERING MUCH OF THE FLOODPLAIN THAT SPREADS EASILY. THESE NOTES PROVIDE BEST MANAGEMENT PRACTICES FOR PREVENTING THE SPREAD OF INVASIVE SPECIES. ADDITIONAL INFORMATION ON HANDLING AND IDENTIFICATION OF INVASIVE SPECIES CAN BE FOUND AT WWW.VTINVASIVES.ORG.
- LOCATE AND USE STAGING AREAS THAT ARE FREE OF INVASIVE SPECIES TO AVOID SPREADING SEEDS AND OTHER VIABLE PLANT PARTS.
- PLAN WORK SEQUENCE SO CONSTRUCTION EQUIPMENT IS MOVED FROM AREAS NOT INFESTED BY INVASIVE SPECIES, MOVING INTO AREAS INFESTED WITH INVASIVE SPECIES WHENEVER POSSIBLE.
- ALL EQUIPMENT, MACHINERY, AND HAND TOOLS USED IN AREAS WHERE INVASIVE PLANTS OCCUR SHOULD BE CLEANED OF ALL VISIBLE SOIL AND PLANT MATERIALS BEFORE LEAVING THE SITE OR MOVING TO AREAS NOT ALREADY INFESTED. CLEANING SHOULD OCCUR WITHIN THE AREA ALREADY INFESTED. ACCEPTABLE CLEANING METHODS INCLUDE:
 - PORTABLE WASH STATION THAT CONTAINS RUNOFF FROM WASHED EQUIPMENT
 - HIGH PRESSURE AIR
 - BRUSH, BROOM, OR HAND TOOLS USED WITHOUT WATER.
- EXCAVATED MATERIAL TAKEN FROM SITES THAT CONTAIN INVASIVE PLANTS CANNOT BE USED AWAY FROM THE SITE OF INFESTATION UNTIL ALL VIABLE PLANT MATERIAL IS RENDERED NONVIABLE.
- EXPORT OF MATERIAL CONTAMINATED WITH REED CANARY GRASS CAN ONLY GO TO LOCATIONS WHERE REED CANARY GRASS IS PRESENT, OR CAN BE BURIED BELOW NON-CONTAMINATED SOILS TWO FEET DEEP, OR RENDERED NONVIABLE BY ANOTHER METHOD OUTLINED IN ITEM 8.
- SOIL AND OTHER MATERIALS CONTAINING INVASIVE PLANT MATERIAL MUST BE COVERED DURING TRANSPORT.
 - INVASIVE SPECIES CAN BE RENDERED NONVIABLE BY THE FOLLOWING METHODS:
 - BAGGING: PLANT MATERIAL MAY BE COLLECTED AND PUT INTO BLACK PLASTIC BAGS THEN PLACED IN THE SUN. AFTER THREE DAYS OR WHEN ALL PLANT MATERIAL IS ROTTEN, THE PLANTS ARE NONVIABLE.
 - BURNING: PLANT MATERIAL SHOULD BE TAKEN TO A DESIGNATED BURN PILE. OBTAIN ALL NECESSARY PERMITS BEFORE BURNING.
 - BURYING: REED CANARY GRASS MUST BE BURIED AT LEAST 2 FEET BELOW GROUND.

1 SOUTH MAIN STREET
VERMONT, VT 05576
802.882.8333
SLRCONSULTING.COM

DESCRIPTION

IMPACT TYPE

DATE

BY

5/2/2025

AOM

SITE RESTORATION PLAN - WETLAND IMPACTS

TROUT BROOK DAM REMOVAL (VT ID 19.02)

RESERVOIR ROAD
BERKSHIRE, VERMONT

JCL

AOM

JCL

DESIGNED

DRAWN

CHECKED

SCALE

1"=80'

DATE

APRIL 1, 2025

PROJECT NO.

13528.00002

SHEET NO.

-- OF --

RE-1

SHEET NAME

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