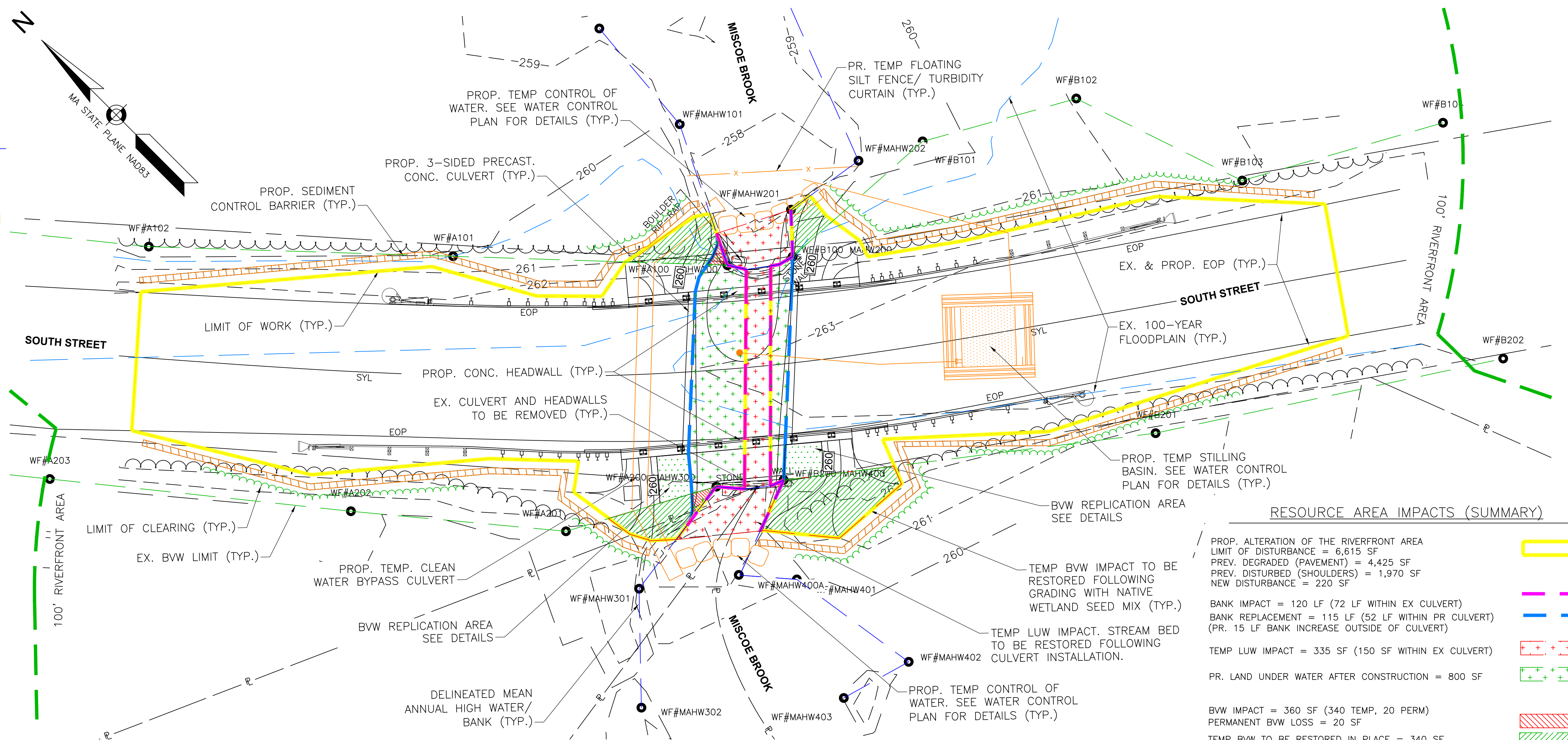
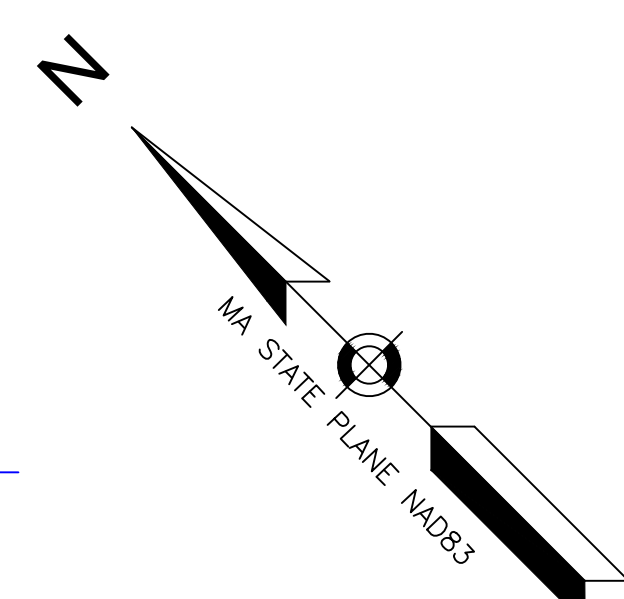
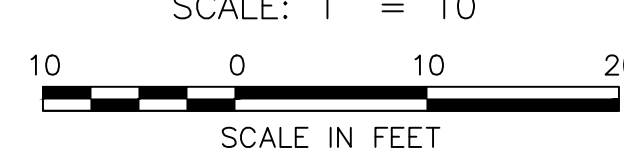


LEGEND:

- COMPOST FILTER TUBES
- FLOATING SILT FENCE
- 100' & 200' RIVERFRONT AREA BUFFERS
- FLAGGED WETLANDS
- 100-YR FLOODPLAIN
- CONTROL OF WATER
- LIMIT OF CLEARING

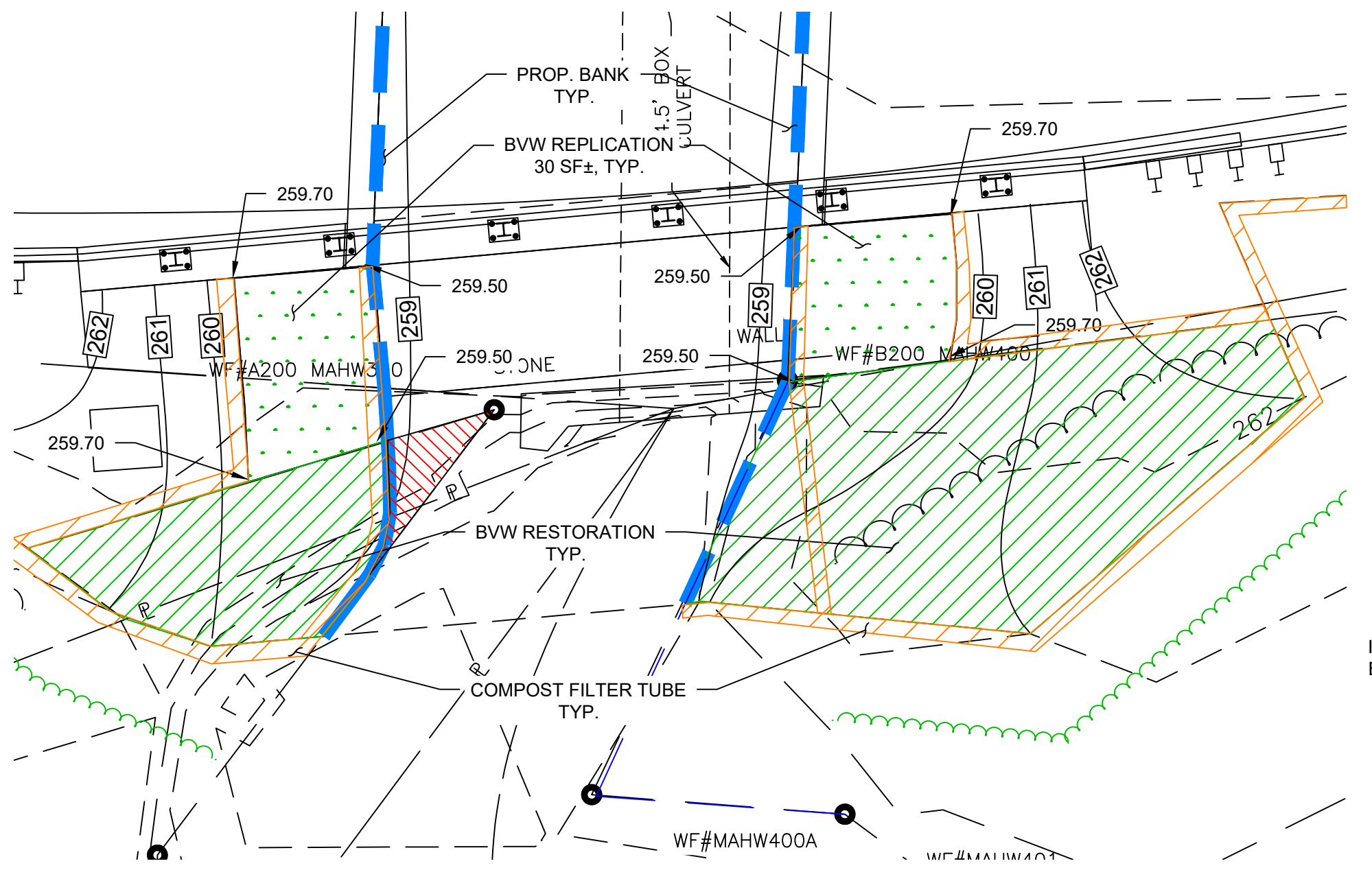


RESOURCE AREA IMPACTS PLAN

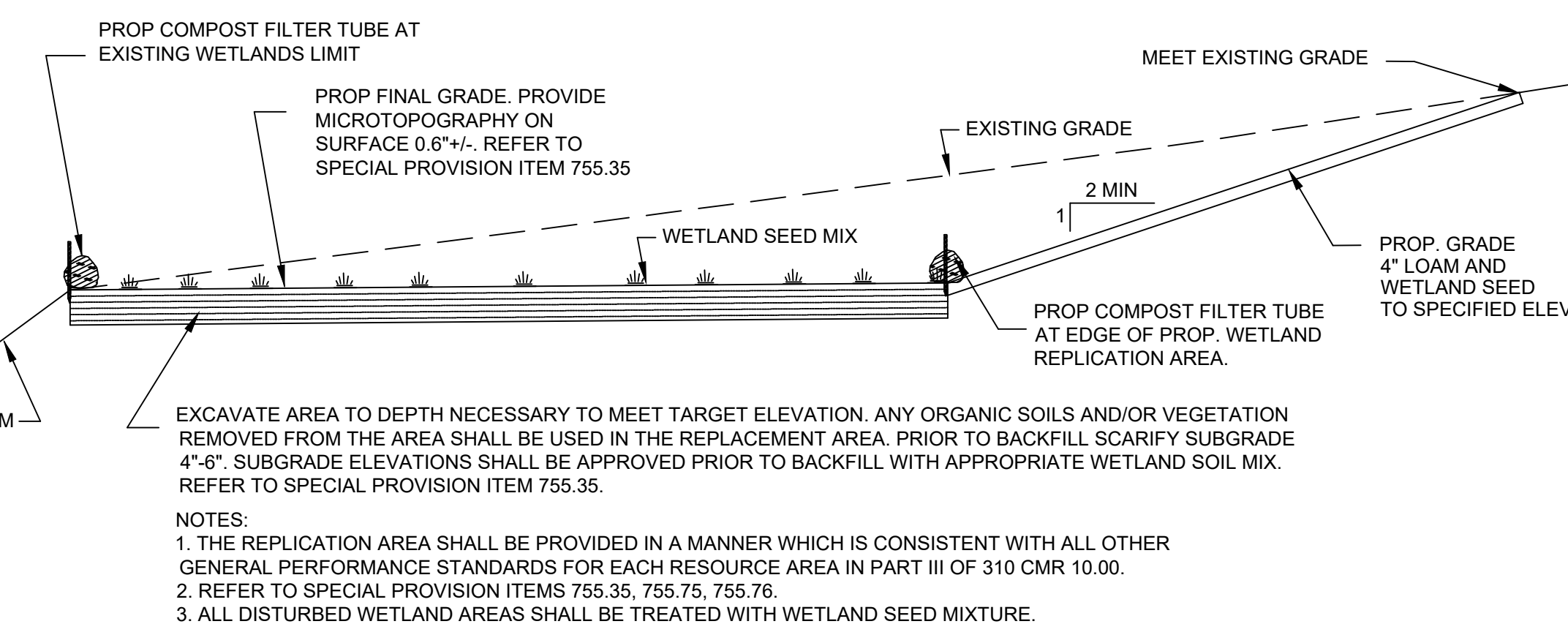
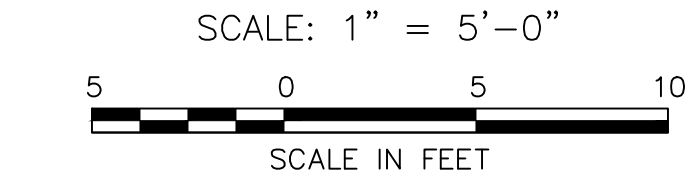


RESOURCE AREA IMPACTS (SUMMARY)

PROP. ALTERATION OF THE RIVERFRONT AREA LIMIT OF DISTURBANCE = 6,615 SF PREV. DEGRADED (PAVEMENT) = 4,425 SF PREV. DISTURBED (SHOULDERS) = 1,970 SF NEW DISTURBANCE = 220 SF	
BANK IMPACT = 120 LF (72 LF WITHIN EX CULVERT) BANK REPLACEMENT = 115 LF (52 LF WITHIN PR CULVERT) (PR. 15 LF BANK INCREASE OUTSIDE OF CULVERT)	
TEMP LUW IMPACT = 335 SF (150 SF WITHIN EX CULVERT)	
PR. LAND UNDER WATER AFTER CONSTRUCTION = 800 SF	
BWV IMPACT = 360 SF (340 TEMP, 20 PERM) PERMANENT BWV LOSS = 20 SF TEMP BWV TO BE RESTORED IN PLACE = 340 SF BWV REPLICATION = 60 SF (3:1)	
BORDERING LAND SUBJECT TO FLOODING IMPACT PROP. ADDED FLOOD STORAGE =	
TOTAL INCREASE IN FLOOD STORAGE =	



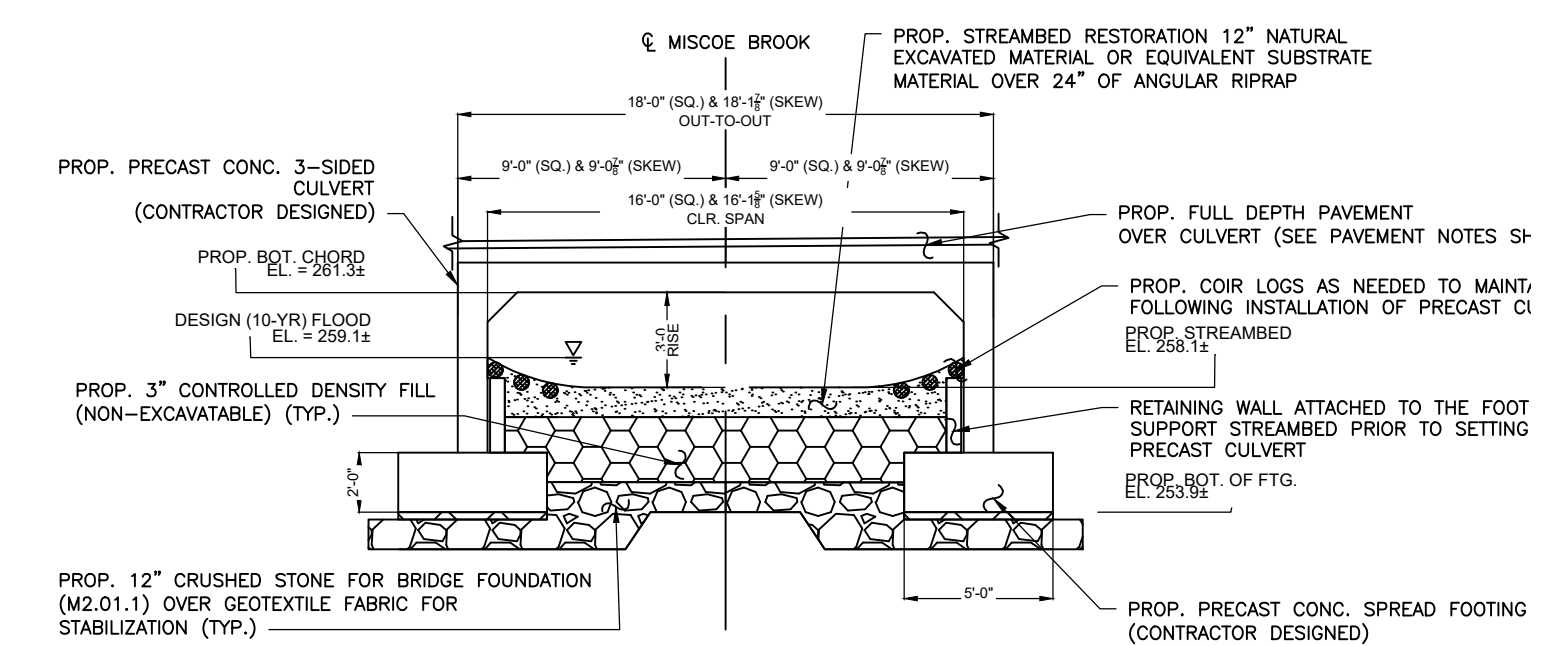
BWV REPLICATION PLAN



TYPICAL SECTION AT WETLAND REPLICATION AREA

NOT TO SCALE

- EXCAVATE AREA TO DEPTH NECESSARY TO MEET TARGET ELEVATION. ANY ORGANIC SOILS AND/OR VEGETATION REMOVED FROM THE AREA SHALL BE USED IN THE REPLACEMENT AREA. PRIOR TO BACKFILL SCARIFY SUBGRADE 4"-6". SUBGRADE ELEVATIONS SHALL BE APPROVED PRIOR TO BACKFILL WITH APPROPRIATE WETLAND SOIL MIX. REFER TO SPECIAL PROVISION ITEM 755.35.
- NOTES:
 1. THE REPLICATION AREA SHALL BE PROVIDED IN A MANNER WHICH IS CONSISTENT WITH ALL OTHER GENERAL PERFORMANCE STANDARDS FOR EACH RESOURCE AREA IN PART III OF 310 CMR 10.00.
 2. REFER TO SPECIAL PROVISION ITEMS 755.35, 755.75, 755.76.
 3. ALL DISTURBED WETLAND AREAS SHALL BE TREATED WITH WETLAND SEED MIXTURE.



INSTALLATION SEQUENCE:

1. INSTALL PRECAST CONCRETE FOOTINGS WHICH HAVE AN INTEGRAL WALL ADJACENT TO THE PRECAST FRAME WALL.
2. INSTALL STREAMBED RESTORATION MATERIAL INCLUDING ANGULAR RIPRAP AND NATURAL STREAMBED MATERIAL OR EQUIVALENT SUBSTRATE MATERIAL.
3. INSTALL COIR LOGS AND OTHER BNIPS AS NEEDED TO MAINTAIN STREAM BANKS WITHIN THE PROPOSED CULVERT FOLLOWING INSTALLATION OF THE PRECAST CULVERT.
4. INSTALL CULVERT SECTIONS OVER STREAMBED RESTORATION.
5. INSTALL GROUT BED AT THE INTERFACE WITH THE PRECAST CULVERT AND THE FOOTING.

CULVERT SECTION & STREAMBED RESTORATION

NOT TO SCALE



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 Worcester, MA 01608
 508-868-5104

www.TheEngineeringCorp.com

DESIGNED BY	PE
DRAWN BY	PE
CHECKED BY	GG
SCALE	2.1:24
	1"=10'

PREPARED FOR
Town of Franklin
 355 East Central St
 Franklin, MA 02038

REVISIONS

1	4.15.24	CONSERVATION PEER REVIEW
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ISSUED FOR
Permitting

PROJECT TITLE
**South Street
 Over Miscos Brook
 Culvert Replacement**

PROJECT LOCATION
Franklin, MA

DRAWING TITLE
**Resource Area
 Impacts Plan**

PROJECT NO.	T1406
TEC CAD FILE	T1406_RAIP
DRAWING NO.	
SHEET	1 OF 1