

TEMPORARY WETLAND IMPACT

TREELINE: SHORELAND NATURAL

REFERENCE LINE AND SHORELAND

SETBACKS FROM REFERENCE LINE

WOODLAND BUFFER

· · · · · · · · · · 100-YEAR FLOOD ELEVATION

PERMANENT WETLAND IMPACT, STRUCTURE

PERMANENT WETLAND IMPACT, DREDGE

WETLANDS TOP OF BANK, SHORELAND

DESCRIPTION OF IMPACT/ACTIVITY  PERMANENT WETLAND IMPACTS  1. CONSTRUCT DENIL FISHWAY.		AREA OF IMPACT, FT <sup>2</sup> TOTAL = 1,116  214 (BANK) + 329 (BED)	TOTAL = 194  66 (BANK) + 66 (BED)
TEMPORARY WETLAND IMPACTS		TOTAL = 15,908	
5.	CONSTRUCT COFFERDAM, CONSTRUCTION EQUIPMENT ACCESS FOR DEMOLITION/CONSTRUCTION OF LEFT ABUTMENT.	1,304 (BED) + 50 (BANK)	
6.	ACCESS FOR CONSTRUCTION EQUIPMENT TO CONSTRUCT DENIL FISHWAY	3,794 (BED) + 894 (BANK) + 641 (WETLAND)	
7.	ACCESS FOR CONSTRUCTION EQUIPMENT TO INSTALL ROCK ANCHORS ON SPILLWAY DOWNSTREAM FACE AND TO REPAIR SPILLWAY CONCRETE.	7,366 (BED)	
8.	ACCESS FOR EQUIPMENT AND PERSONNEL TO CONSTRUCT CONCRETE PLUNGE POOL AND RECONSTRUCT STONE MASONRY WALL. POSSIBLE STOCKPILING OF STONE MASONRY WHILE DISMANTLING/RECONSTRUCTING STONE MASONRY WALL.	630 (BED) + 149 (BANK)	
9. 10.	MAINTENANCE/REPAIR OF RIGHT DOWNSTREAM STONE MASONRY WALL ACCESS TO DAM UPSTREAM LIKELY BY BARGE/BOAT. POSSIBLE ANCHORAGE OF BARGE/BOAT FOR CONSTRUCTION OF DOWNSTREAM MIGRATION NOTCH.	135 (BANK) 810 (BED) + 135 (BANK)	

Horizontal Datum: Vertical Datum

NAVD 1988 Datum Shift: (NGVD 1929 minus NAVD 1988) = 0.73 ft

(See Sheet 5 -Existing Conditions)



Original Drawing Size = 22 x 34 in.

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TOWN OF DURHAM Department of Public Works 100 Stone Quarry Drive Durham, NH 03824

By: NAO	Date: 12/23/2010	
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Revisions:		
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Checked By:	Date:	
2. By:	Date:	
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FOR PERMIT APPLICATION ONLY NOT FOR CONSTRUCTION



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Phone (978)988-2115; Fax (978)988-2117 Sheet 1 of 1

Project: Number: 075-05-001

Name: Wiswall Dam Upgrades

and Repairs **Durham, New Hampshire** Subject: NHDES Wetland Impacts

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- SEE SHEET 2 FOR DESIGN AND CONSTRUCTION NOTES.
- SEE SHEET 5 FOR EXPLANATION OF BASE PLAN.
- PROPERTY BOUNDARY IS LOCATED OUTSIDE OF VIEW SHOWN ON THIS SHEET. SEE SHEETS 5 AND 7 FOR PROPERTY BOUNDARY RELATIVE TO SITE AND PROPOSED **IMPACTS**
- WETLANDS DELINEATED AND SURVEYED BY USACE, CLD, MSA AND NRCS. SEE SHEET 5.
  WETLAND CLASSIFICATIONS CORRESPOND TO WETLAND IMPACTS SHOWN ON PLAN AND DESCRIBED IN SUMMARY ON THIS SHEET.
- TREE LINES FROM VARIOUS SURVEYS SHOWN HEREIN SCHEMATICALLY USING SINGLE SYMBOL (I.E. LINETYPE). SEE SHEET 5 FOR LEGEND SHOWING SYMBOLS AND LINETYPES NOT SHOWN ON LEGEND OF THIS SHEET.
- 7. THE PROJECT DOES NOT IMPACT NHDES PRIME WETLANDS CITED IN
- http://des.nh.gov/organization/divisions/water/wetlands/prime\_wetlands.htm. 8. 100-YEAR FLOOD ELEVATIONS UPSTREAM AND DOWNSTREAM OF WISWALL DAM STIMATED BY SA HYDRAULIC MODEL. SEE SHEET 3.
- DNTRACTOR SHALL PREPARE AND SUBMIT EROSION AND SEDIMENT CONTROL AND TORMWATER MANAGEMENT PLAN PER NHDOT SECTION 645.7. PLANS WILL BE REVIEWED BY OWNER AND NHDES IN ACCORDANCE WITH WETLAND PERMIT REQUIREMENTS PRIOR TO ANY WORK ON SITE.
- 10. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL INSTALL TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES PER NHDES APPROVED EROSION AND SEDIMENT CONTROL AND STORMWATER MANAGEMENT PLAN AND NHDES REQUIREMENTS