

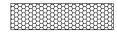
12012/121088 - FH43 Dewevville Trailhead to Neck Take Permits-Rev 2/02 - Legend.dwa

WETLAND MOSAIC MODERATE VALUE (PROPOSED IMPACT AREA)



<u>LEGEND</u>

WETLAND MODERATE/LOW VALUE (PROPOSED IMPACT AREA)



WETLAND MODERATE VALUE (PROPOSED IMPACT AREA)



WETLAND HIGH VALUE (PROPOSED IMPACT AREA)

CLASS I/II - ANADROMOUS/RESIDENT FISH

CLASS III - NON-FISH BEARING

EXISTING ROAD
PROPOSED ROAD

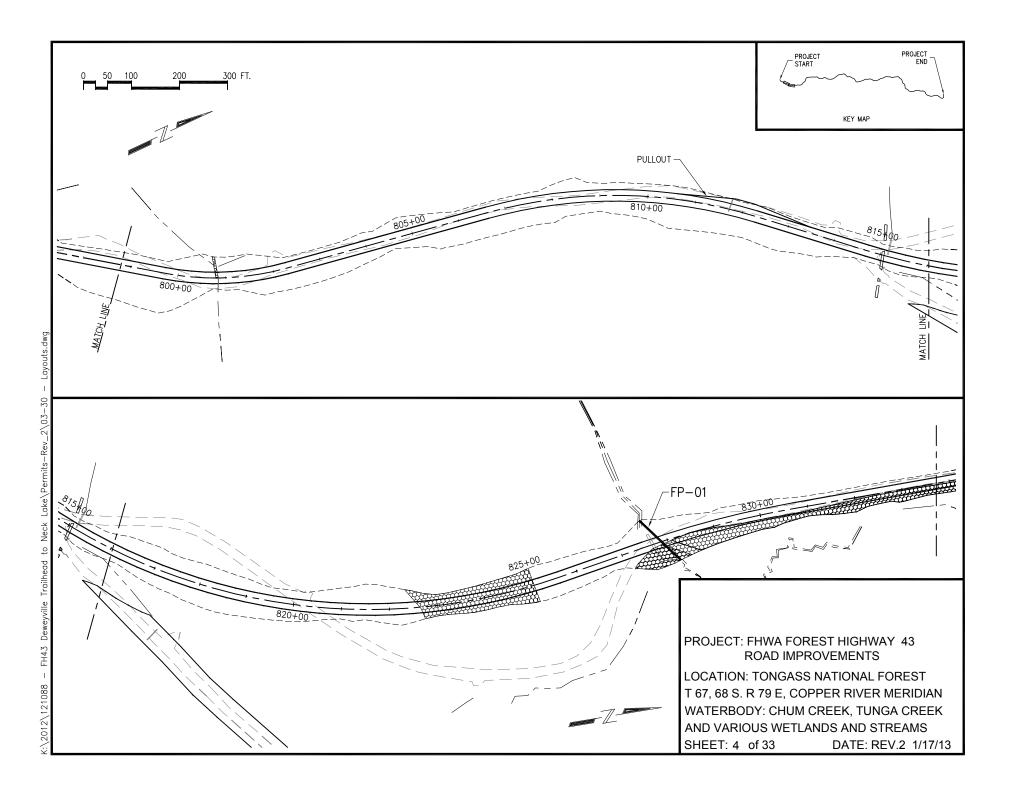
PROPOSED DAYLIGHT LIMITS (CUT AND FILL LIMITS)

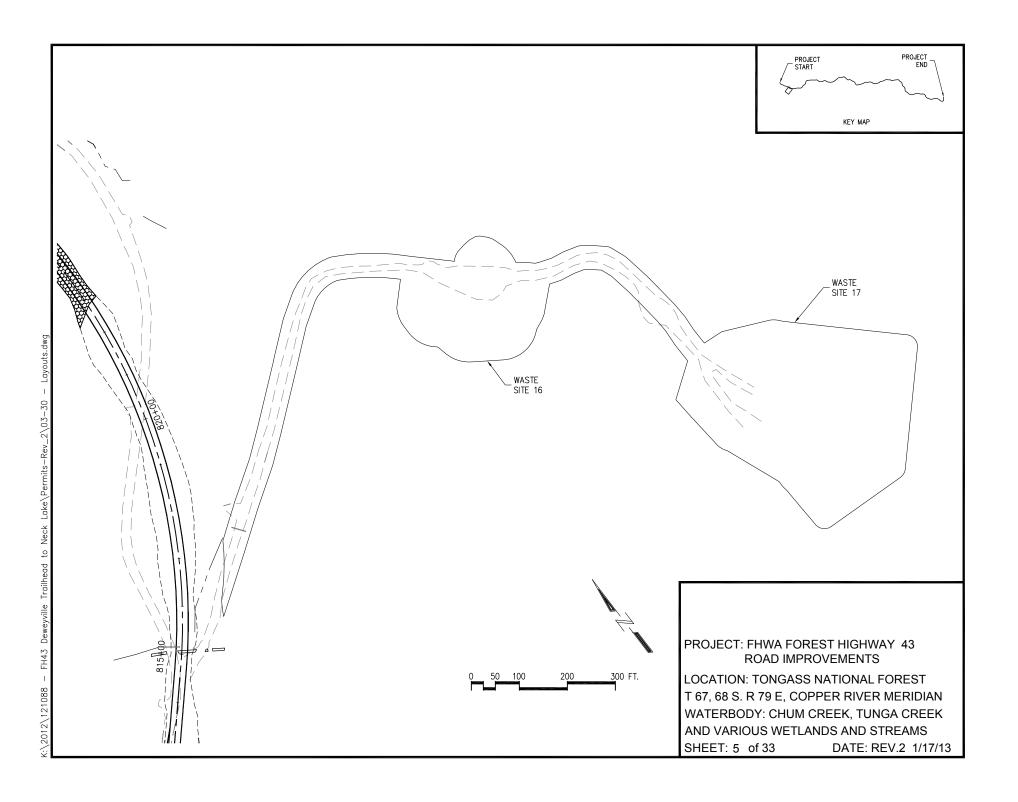
FΡ

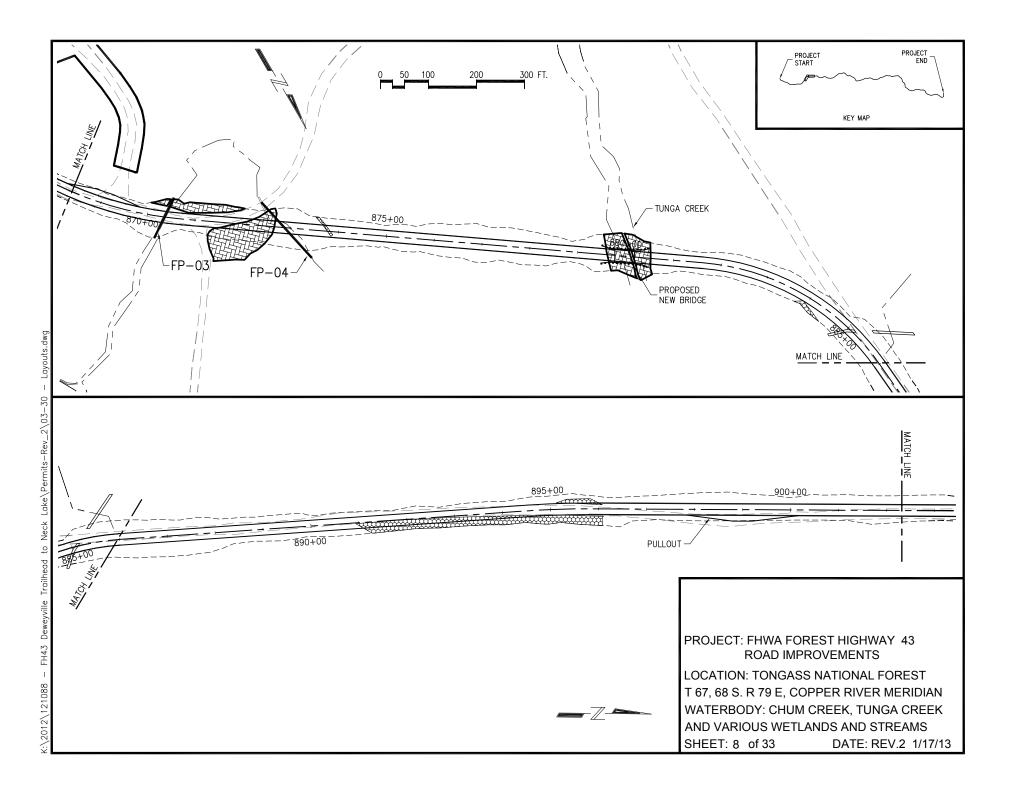
FISH PASSAGE STRUCTURE

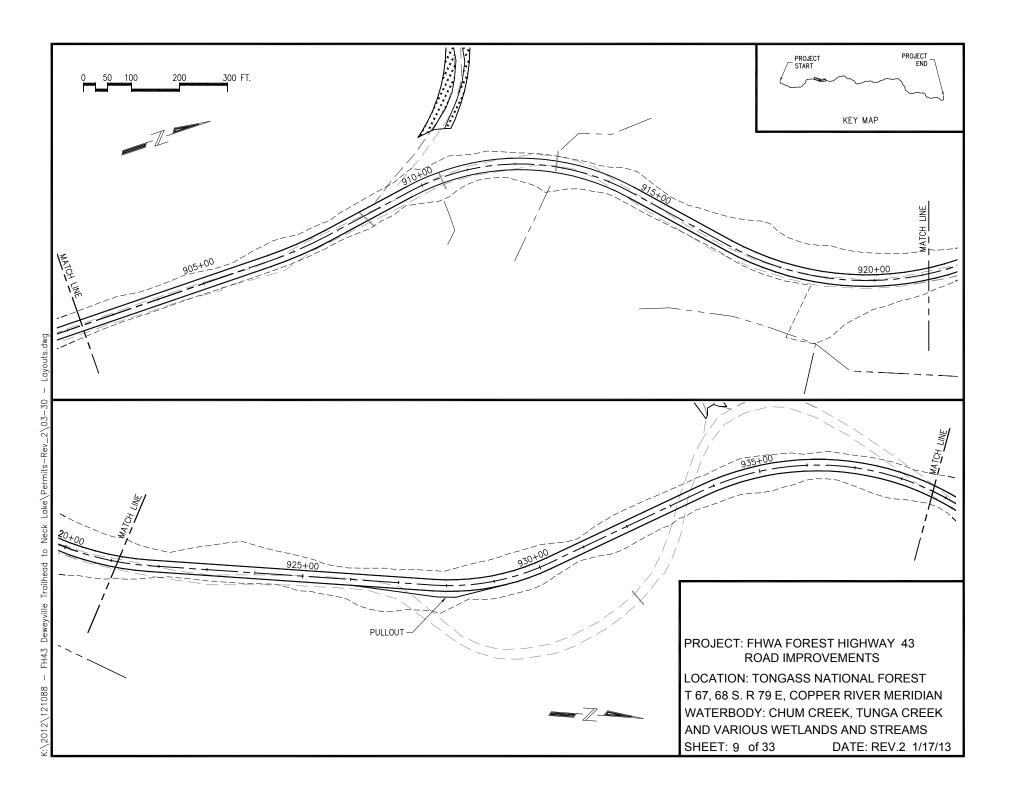
PROJECT: FHWA FOREST HIGHWAY 43
ROAD IMPROVEMENTS

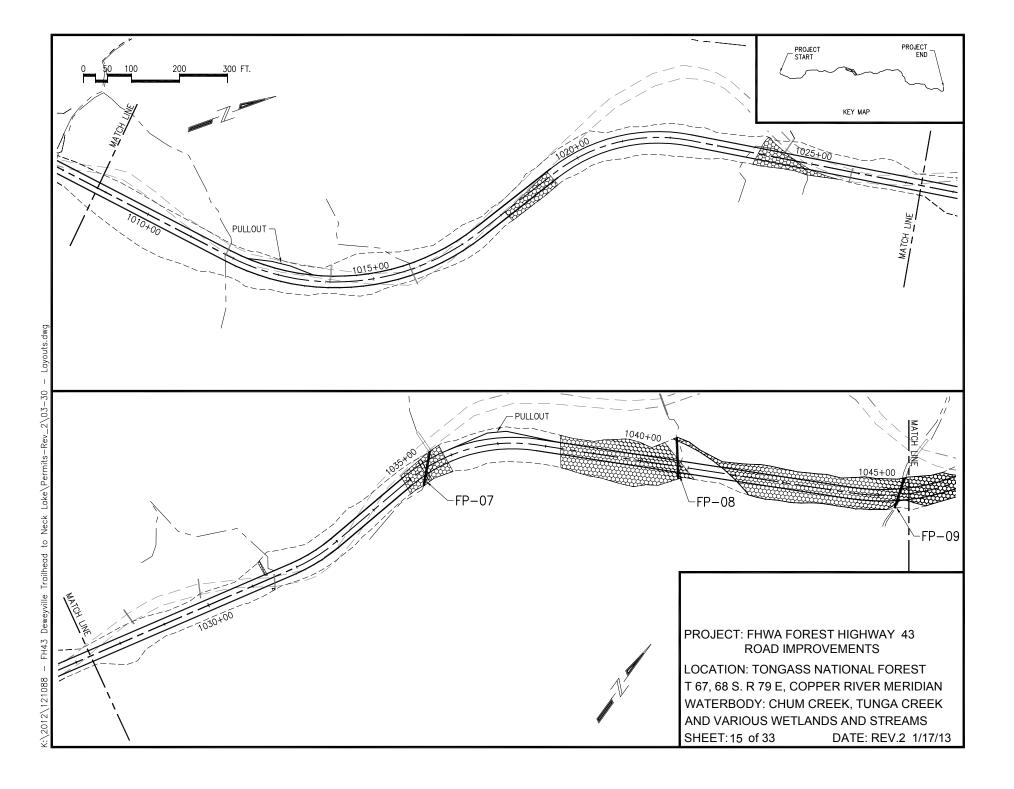
LOCATION: TONGASS NATIONAL FOREST T 67, 68 S. R 79 E, COPPER RIVER MERIDIAN WATERBODY: CHUM CREEK, TUNGA CREEK AND VARIOUS WETLANDS AND STREAMS SHEET: 2 of 33 DATE: REV.2 1/17/13

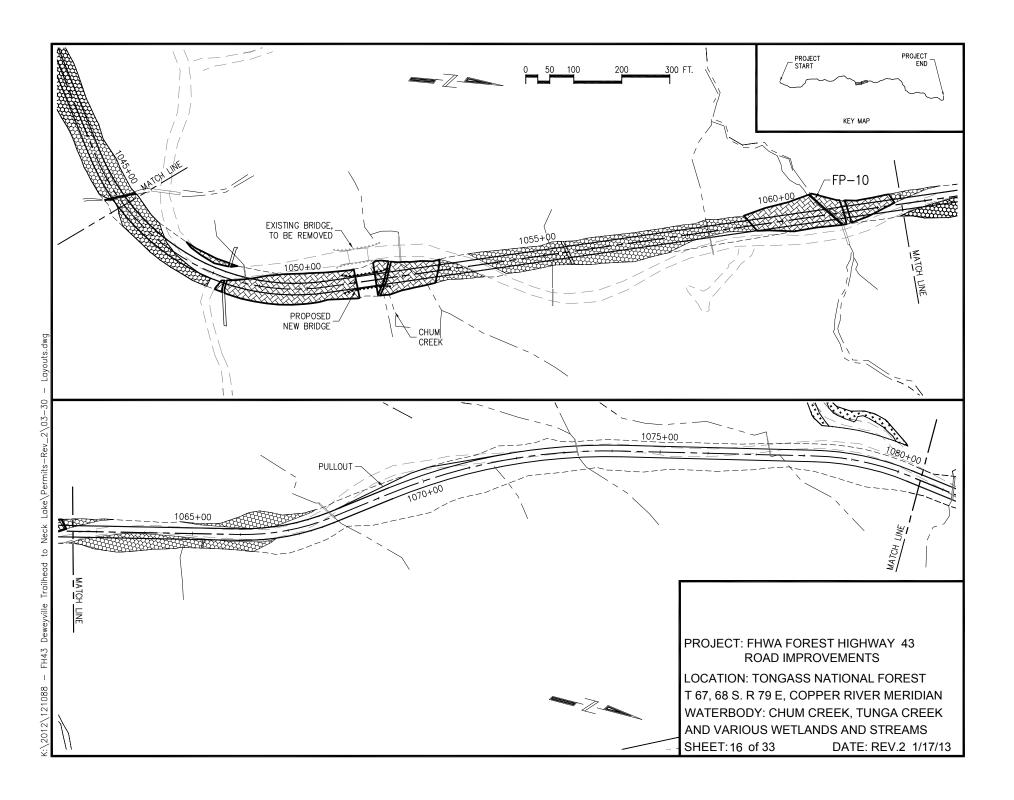


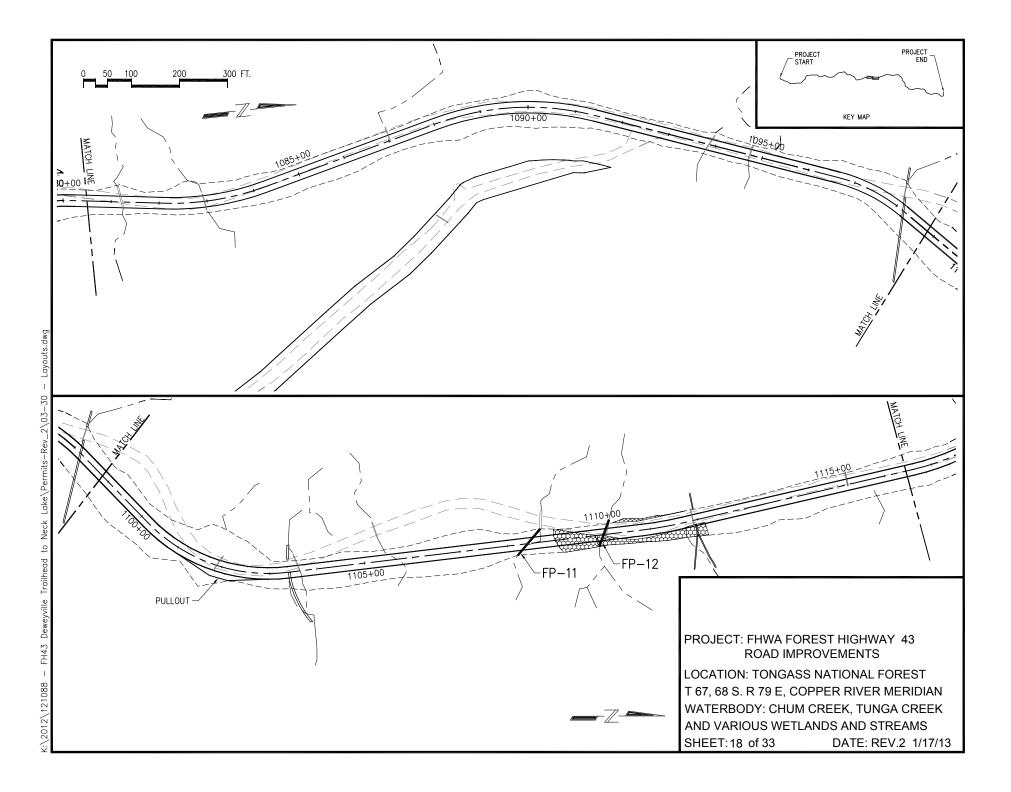


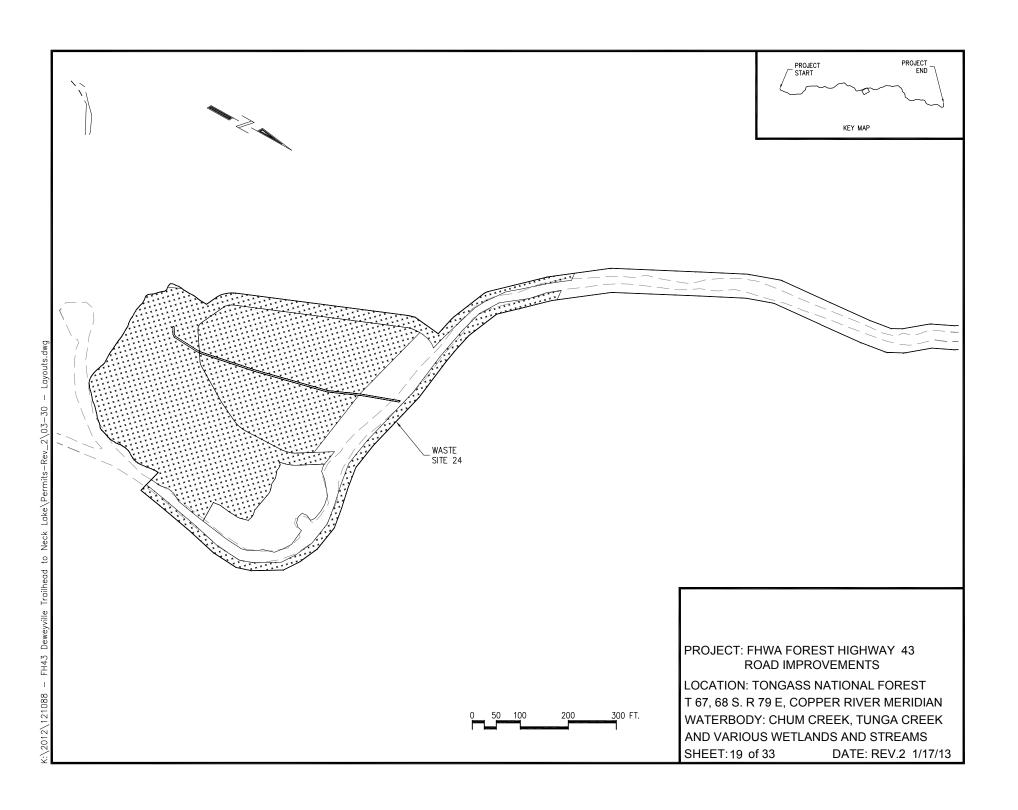


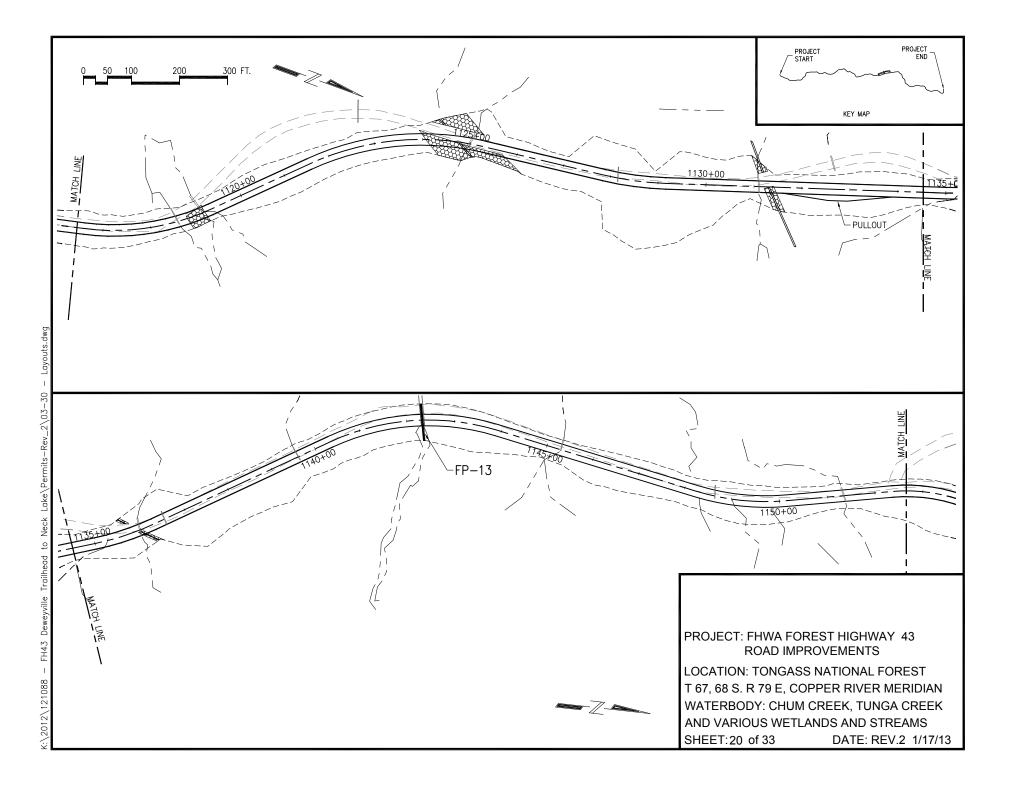


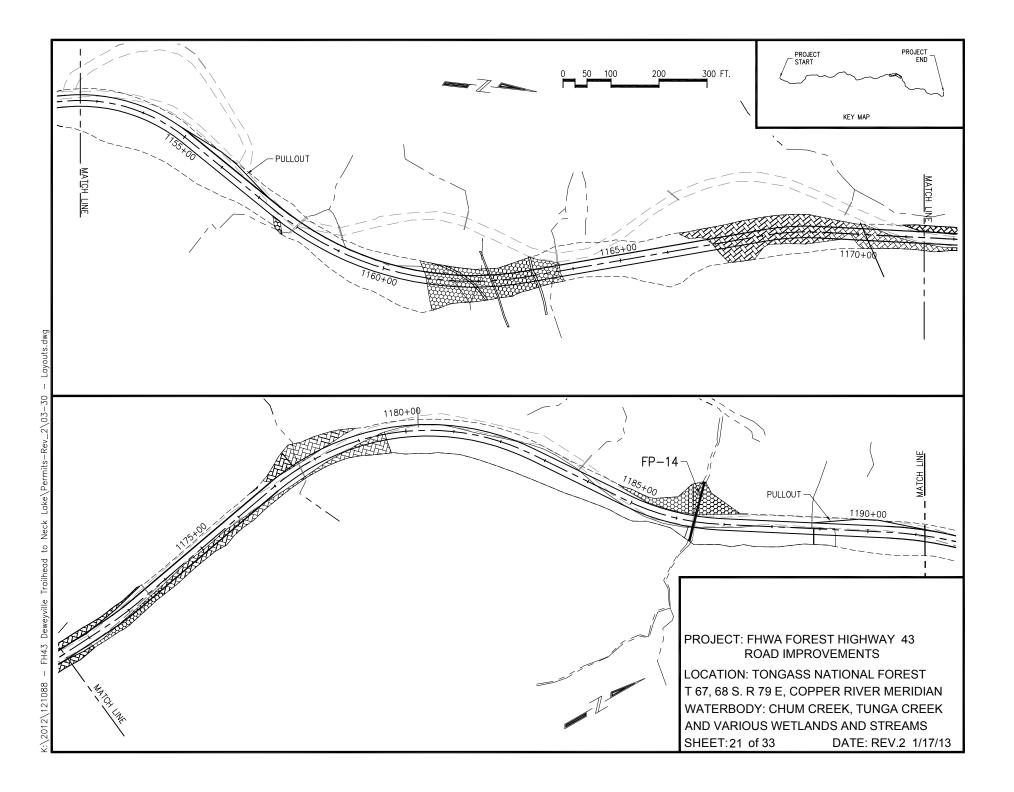


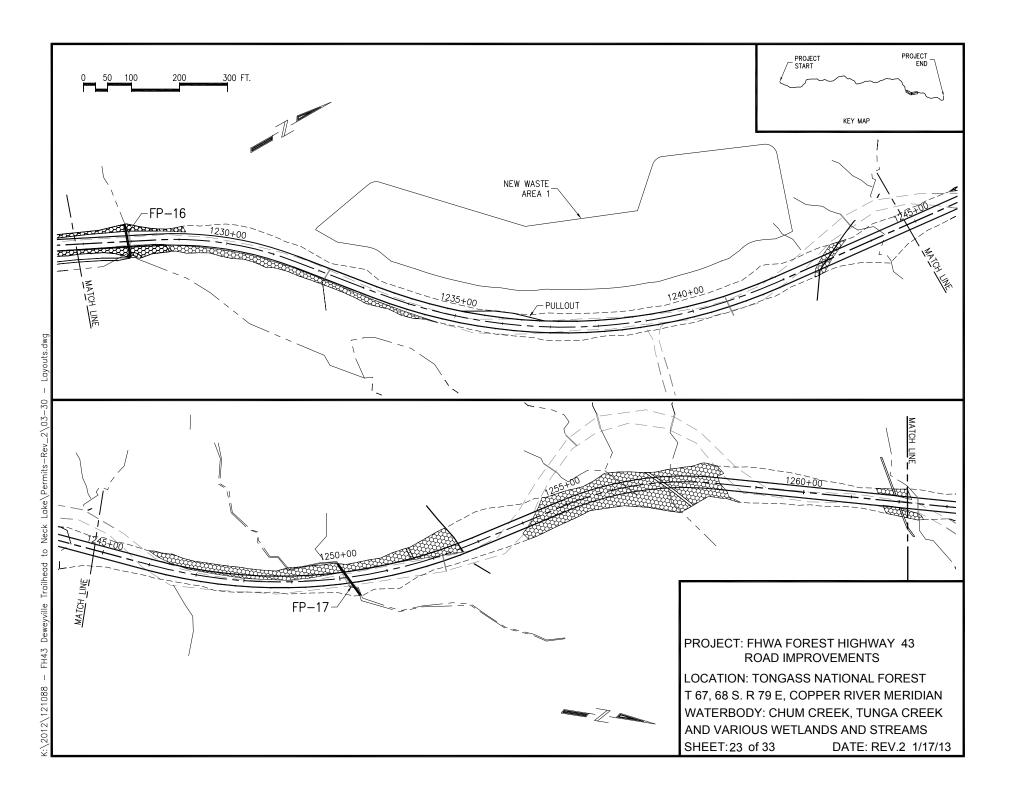


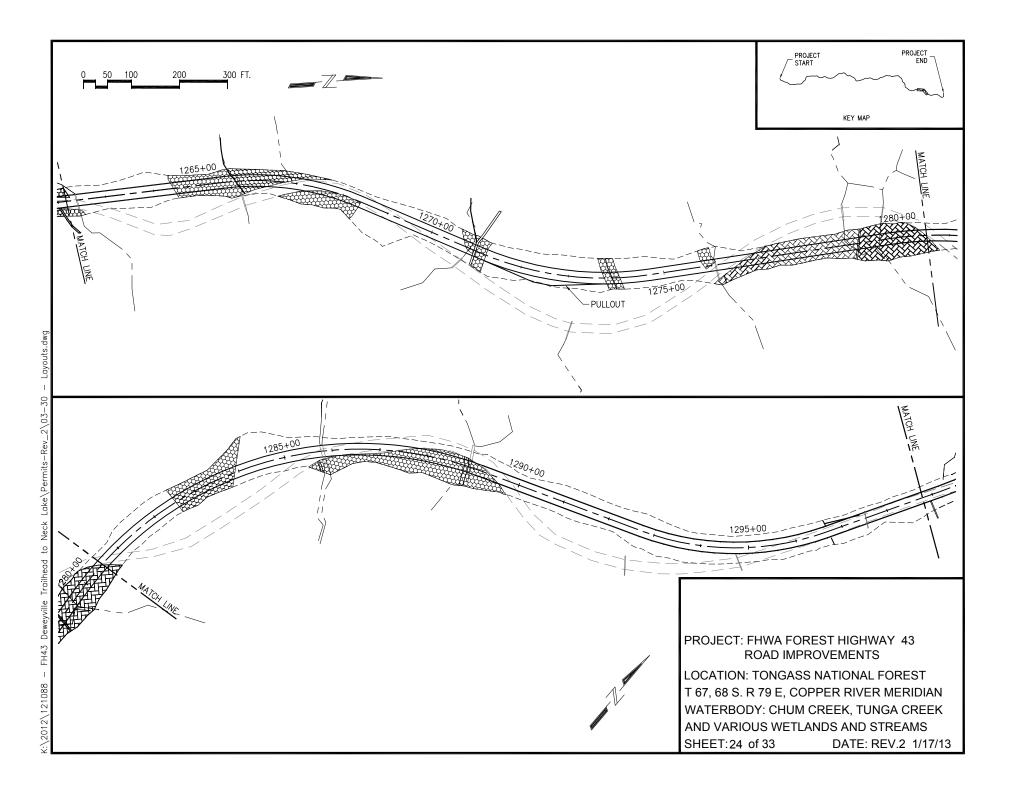


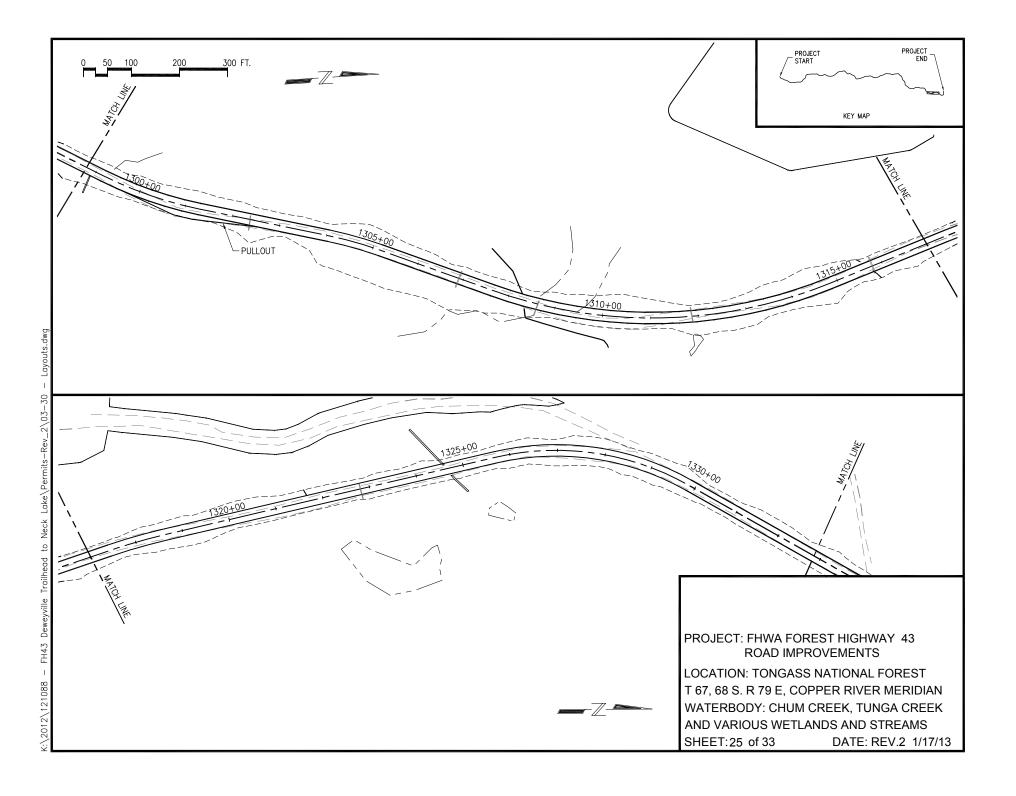


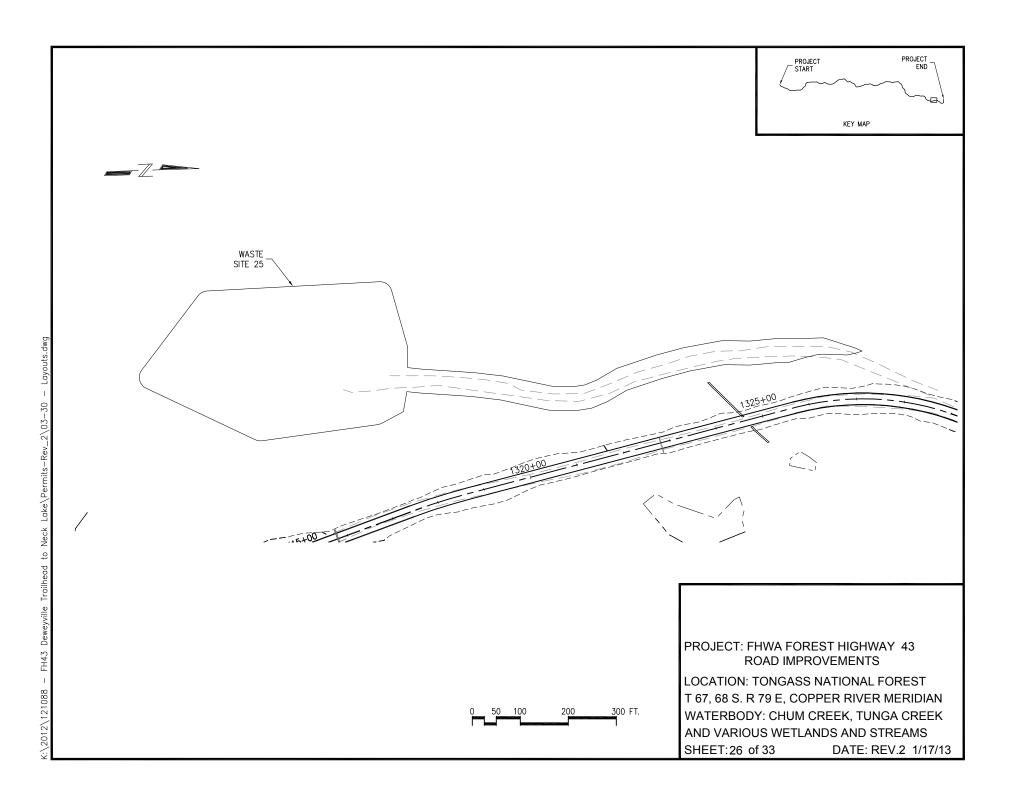


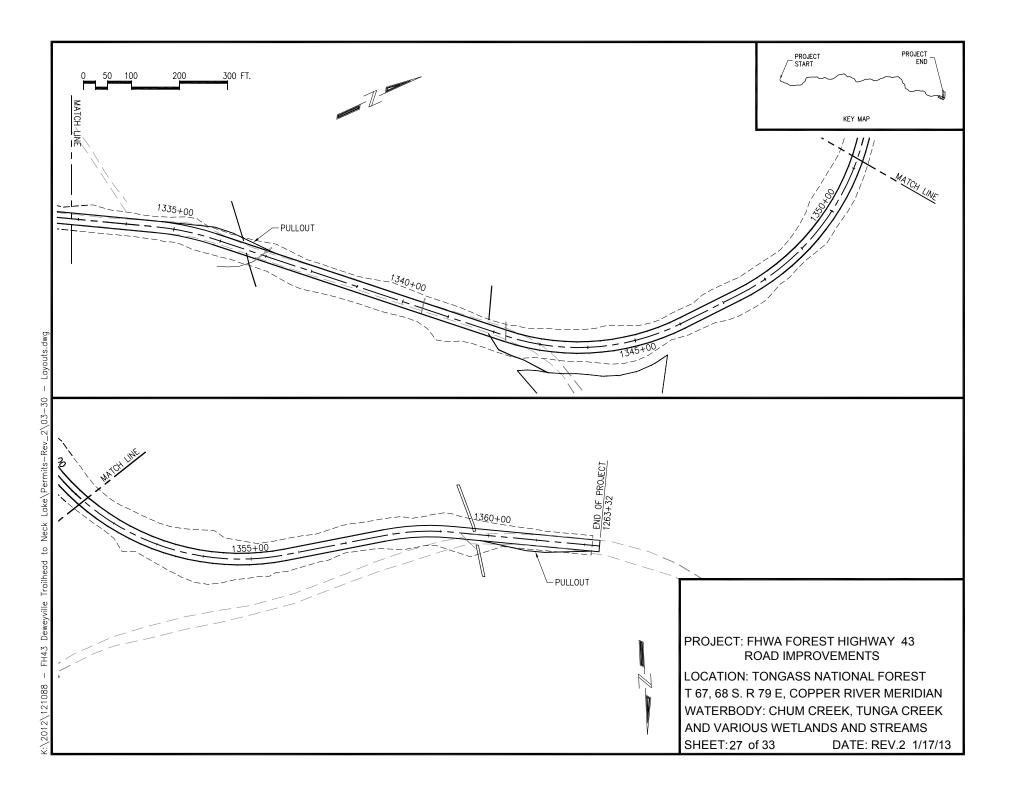


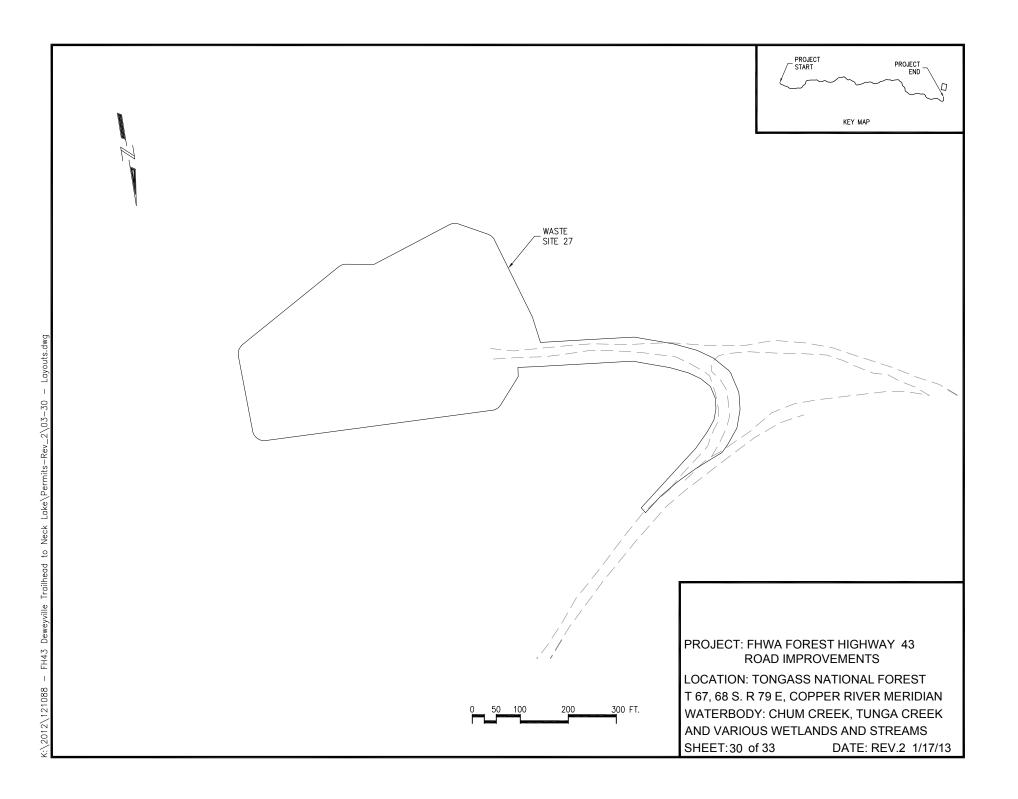


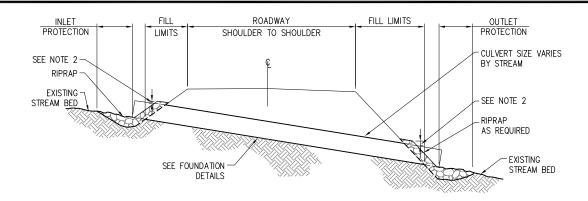




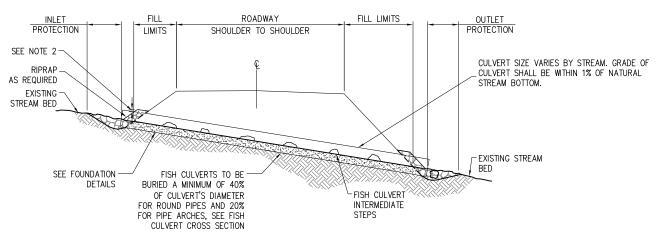








TYPICAL PIPE CULVERT INSTALLATION - NON-FISH STREAMS



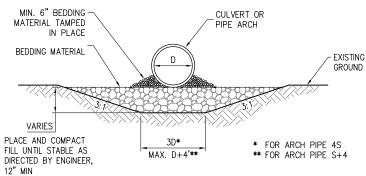
TYPICAL PIPE CULVERT INSTALLATION - FISH STREAMS

NOTES:

- ACTUAL INDIVIDUAL CULVERT SECTIONS WILL VARY DUE TO STREAM SPECIFIC HYDROLOGY, TOPOGRAPHY AND OTHER EXISTING CONDITIONS.
- 2) FISH PASSAGE CULVERT WILL BE INSTALLED PER THE AUGUST 29, 2001 MEMORANDUM OF AGREEMENT (MOA) BETWEEN ADF&G AND DOT&PF FOR "DESIGN, PERMITTING AND CONSTRUCTION OF CULVERTS FOR FISH PASSAGE". DESIGN CULVERTS TO BE BANKFULL WIDTH PLUS 1 FOOT ADDITIONAL WIDTH PER SIDE.
- 3) CULVERTS 48"Ø OR SMALLER ARE TO BE INSTALLED WITH FLARED END SECTIONS PER ADOT&PF STANDARD PLANS D-06.10. CULVERTS GREATER THAN 48"Ø ARE TO BE PROVIDED WITH MITERED PIPE ENDS THAT CONFORM TO FILL SLOPE OR HEADWALLS WITH BEVELED EDGES.

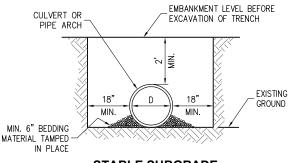
PROJECT: FHWA FOREST HIGHWAY 43
ROAD IMPROVEMENTS

LOCATION: TONGASS NATIONAL FOREST T 67, 68 S. R 79 E, COPPER RIVER MERIDIAN WATERBODY: CHUM CREEK, TUNGA CREEK AND VARIOUS WETLANDS AND STREAMS SHEET:32 of 33 DATE: REV.2 1/17/13



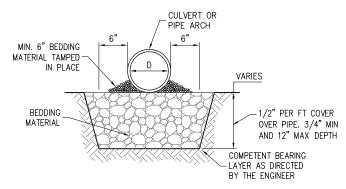
SOFT SUBGRADE

TO BE USED IN UNSTABLE AREAS AS DIRECTED BY THE ENGINEER.



STABLE SUBGRADE

FOR USE ON EXISTING GROUND



STABLE SUBGRADE (UNYIELDING MATERIAL)

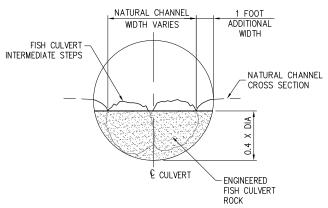
SUBEXCAVATION REQUIRED

FOUNDATION DETAILS

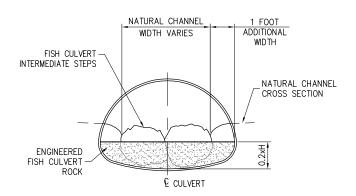
(FOUNDATION TYPE TO BE DETERMINED IN THE FIELD)

NOTES:

ACTUAL INDIVIDUAL CULVERT
 DETAILS WILL VARY DUE TO STREAM SPECIFIC HYDROLOGY, TOPOGRAPHY AND OTHER EXISTING CONDITIONS.



TYPICAL FISH CULVERT CROSS SECTION



TYPICAL FISH ARCH PIPE CROSS SECTION

PROJECT: FHWA FOREST HIGHWAY 43
ROAD IMPROVEMENTS

LOCATION: TONGASS NATIONAL FOREST
T 67, 68 S. R 79 E, COPPER RIVER MERIDIAN
WATERBODY: CHUM CREEK, TUNGA CREEK
AND VARIOUS WETLANDS AND STREAMS
SHEET:33 of 33
DATE: REV.2 1/17/13