

	SHEET UST
DWG#	TITLE
G-001	COVER SHEET
G-002	GENERAL NOTES
G-003	ESTIMATE OF QUANTITIES
E-001	EXISTING CONDITIONS
C-001	ACCESS AND STAGING
C-002	PROPOSED STREAM BYPASS
C-101 - C-104	PROPOSED CONDITIONS OVERVIEW
C-201 - C-202	PROPOSED LEVEE & ROCK BANK REMOVAL
C-301 - C-302	PROPOSED MAIN CHANNEL
C-401 - C-402	PROPOSED SIDE CHANNELS
C-501	PROPOSED ALCOVE
C-601 - C-606	DETAILS - LARGE WOOD STRUCTURES
C-701 - C-703	DETAILS - TESC, FISH SALVAGE, DEWATERING, REWATERING AND STREAM BYPAS
C-801	SITE STABILIZATION

RECOMMENDED BY:

FOREST ENGINEER

DATE

DISTRICT RANGER

DATE

TETRA TECH

sev- Ashrand.com

1803 North Check Parkway

porek, Washrigens (2011)

Pater 421–420-100 (364 425-400-101)

NOT FOR CONSTRUCTION





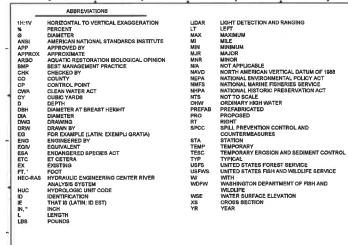
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LITTLE NACHES RIVER
RM 3.25 - 4.49 RESTORATION

COVER SHEET

G-001

CREATED: 1/20/



#### CONSTRUCTION SEQUENCING:

- ESTABLISH TEMPORARY TRAFFIC CONTROL
- PLACE TESC, WORK AREA ISOLATION, AND FISH SALVAGE MEASURES.
- COMPLETE CLEARING AND GRUBBING.

  EXCAVATE LEVEES AND ROCK BANK, SORT AND STOCKPILE MATERIAL.
- EXCAVATE SIDE CHANNELS AND ALCOVE, SORT AND STOCKPILE MATERIAL.
- REROUTE STREAM FLOW.
- INSTALL LARGE WOOD STRUCTURES
- RESTORE AND STABILIZE WORK AREAS
- REMOVE TESC, WORK AREA ISOLATION, AND FISH SALVAGE MEASURES.

### GENERAL NOTES:

- HORIZONTAL PROJECTION: NAD83WASHINGTON STATE PLANES, SOUTH ZONE, US FOOT.
- VERTICAL PROJECTION: NAVD88.
- PROJECT ALIGNMENT. ELEVATION, AND STATIONING BASED ON 2015 LIDAR SUPPLEMENTED WITH TOPOGRAPHIC AND SATHYMETRIC SURVEY DATA COLLECTED BY TETRA TECH IN OCTOBERNOVEMBER 2019.
- PROPOSED PROJECT DESIGN, CONSTRUCTION ACTIVITIES, AND MATERIALS SUBJECT TO APPROVAL BY LANDOWNER.
   AERIAL IMAGERY PROVIDED BY ESRI, MAXAR, 65/18.

#### GENERAL CONSTRUCTION NOTES:

- THE CONTRACTOR SHALL CONSTRUCT THE RESTORATION DESIGN ELEMENTS IN ACCORDANCE WITH THE PLANS STAMPED "ISSUED FOR CONSTRUCTION". THESE PLANS WILL BE PROVIDED TO THE CONTRACTOR BY THE CONTRACTING AGENCY PRIOR TO CONSTRUCTION. WORK SHALL NOT BE DONE WITHOUT THE CURRENT SET OF APPROVED CONSTRUCTION PLANS.
- PLANS.
  THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE NEPA AND ARBO II TERMS AND CONDITIONS.
  CONTRACTOR SHALL CONTACT THE WASHINGTON LITILITY NOTIFICATION CENTER 1-800-332-2344 (OR 811) BEFORE ANY EXCAVATION WORK BEGINS. 3.
- THE CONTRACTOR SHALL PURSUE WORK IN A CONTINUOUS AND EFFICIENT MANNER TO ENSURE TIMELY COMPLETION OF THE PROJECT.
- ALL WORK WITHIN THE ACTIVE CHANNEL SHALL OCCUR WITHIN THE ALLOWABLE FISH WINDOW (JULY 15 AUGUST 15).
- ALL CONSTRUCTION ACTIVITIES SHALL MINIMIZE DISTURBANCE TO AND MAXIMIZE RE-USE OF EXISTING RIPARIAN VEGETATION.
- THE CONTRACTOR SHALL PROTECT ALL CONTROL POINTS DURING CONSTRUCTION ACTIVITIES.
  CONTRACTOR SHALL PROVIDE SPCC AND TESC PLANS TO CHANGE WITHIN TEN (10) DAYS OF NOTICE TO PROCEED.

SYMBOLS

SECTIONS ARE REFERENCED IN THE FOLLOWING MANNER:



NOTES ARE REFERENCED IN THE FOLLOWING



CONSTRUCTION DETAILS ARE REFERENCED IN THE FOLLOWING MANNER:





**NOT FOR** CONSTRUCTION





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LITTLE NACHES RIVER RM 3.25 - 4.49 RESTORATION

G-002 CREATED:

**GENERAL NOTES** 

# ESTIMATE OF QUANTITIES

ITEM NO.	DESCRIPTION	METHOD OF MEASURE	UNIT	QUANTITY	REMARKS
15101	MOBILIZATION	LSQ	LS	ALL REQ'D	MOBILIZATION AND DEMOBILIZATION
15201	CONSTRUCTION SURVEY AND STAKING, METHOD 2, TOLERANCE CLASS A	LSQ	LS	ALL REQ'D	
15713	SOIL EROSION & POLLUTION CONTROL	LSQ	LS	ALL REQ'D	INCLUDES SITE EROSION, SEDIMENT, AND POLLUTION CONTROL.
15761	DEWATERING	cq	EA	1	SUBMIT A DETAILED PLAN AND TIMELINE WITH BID DESCRIBING HOW STREAM DIVERSION AND SITE DEWASTERING AND FISH REMOVA/RELOCATION WILL BE IMPLEMENTED AND EXECUTED. ALL WORK INCIDENTAL TO 1575.
20102	CLEARING AND GRUBBING, DISPOSAL METHOD A	cơ	AC	4	RECYCLE/SALVAGE TIMBER TO BE USED AS SUPPLEMENTAL WOOD AND RACKING MATERIAL FOR LARGE WOOD STRUCTURES AND SLASHING OUT OF ACCESS ROUTES.
20407	EXCAVATION	cd	СУ	15,766*	EXCAVATE LEVEES AND ROCK, SIDE CHANNELS, AND ALCOVES TO THE SHAPES AND GRADES SHOWN ON THE DRAWINGS. INCLUDES SORTING AND STOCKPILING OF EXCAVATION SPOILS AND BOULDERS ONSITE.
20803	STRUCTURAL BACKFILL	ca	CY	15,766*	INCLUDES HAULING FROM STOCKPILES TO LOCATIONS FOR CHANNEL FILL AND LARG WOOD STRUCTURE BACKFILL AND BOULDERS.
63501	TEMPORARY TRAFFIC CONTROL	LSQ	LS	ALL REQ'D	SUBMIT TRAFFIC CONTROL PLAN TO BE APPROVED PRIOR TO CONSTRUCTION.
62552	SEEDING AND MULCHING, DRY METHOD	cq	AC	4	ALL DISTURBED AREAS SHALL RECEIVE SEED AND MULCH FOR SITE STABILIATION.
64801	STREAMBED SIMULATION MATERIAL, BED CLASS 8, METHOD A	cq	CY	12,490*	PLACE THE MIXTURE OF STREAMBED MATERIAL FROM EXCAVATION SPOILS FOR MAI CHANNEL FILL
64805A	STREAM SIMULATION 5-LOG HABITAT	cq	EA	24	INSTALL 5-LOG HABITAT STRUCTURES AS SHOWN ON THE DRAWINGS. TIPPING AND HAULING OF TREES AND STRUCTURE EXCAVATION AND BACKFILL INCIDENTAL TO 64805B.
64805B	STREAM SIMULATION MEANDER BEND	cq	EA	12	INSTALL MEANDER BEND STRUCTURES AS SHOWN ON THE DRAWINGS. TIPPING AND HAULING OF TREES AND STRUCTURE EXCAVATION AND BACKFILL INCIDENTAL TO 64805B.
64805C	STREAM SIMULATION LOG JAM	ca	EA	13	INSTALL LOG JAM STRUCTURES AS SHOWN ON THE DRAWINGS. TIPPING AND HAULING OF TREES AND STRUCTURE EXCAVATION AND BACKFILL INCIDENTAL TO 64805B.
64805D	STREAM SIMULATION BAR APEX	ca	EA	12	INSTALL BAR APEX STRUCTURES AS SHOWN ON THE DRAWINGS. TIPPING AND HAULING OF TREES AND STRUCTURE EXCAVATION AND BACKFILL INCIDENTAL TO 64805B.
64805E	STREAM SIMULATION REVETMENT	ca	EA	4	INSTALL REVETMENT STRUCTURES AS SHOWN ON THE DRAWINGS. TIPPING AND HAULING OF TREES AND STRUCTURE EXCAVATION, BACKFILL, AND BOULDERS INCIDENTAL TO 648056.
64805F	STREAM SIMULATION SINGLE LOG	ca	EA	68	INSTALL SINGLE LOGS AS SHOWN ON THE DRAWINGS, TIPPING AND HAULING OF TREES INCIDENTAL TO 64805F.

## ABBREVIATIONS:





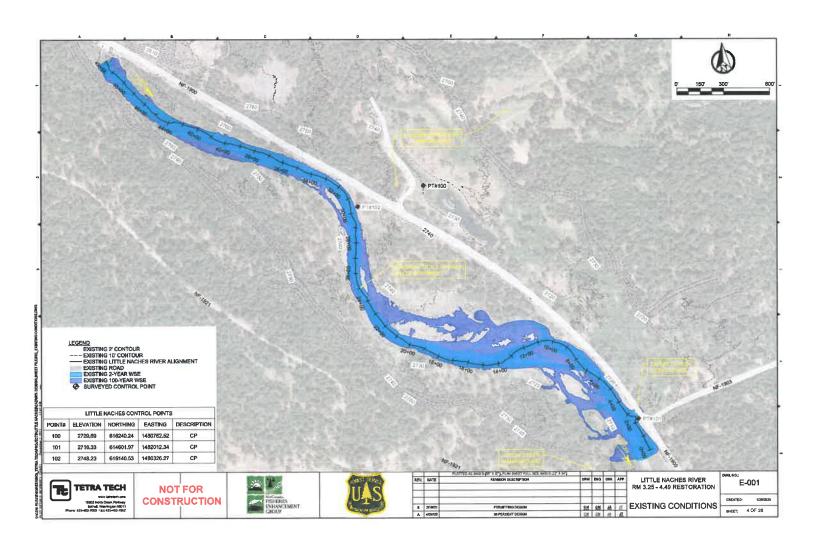


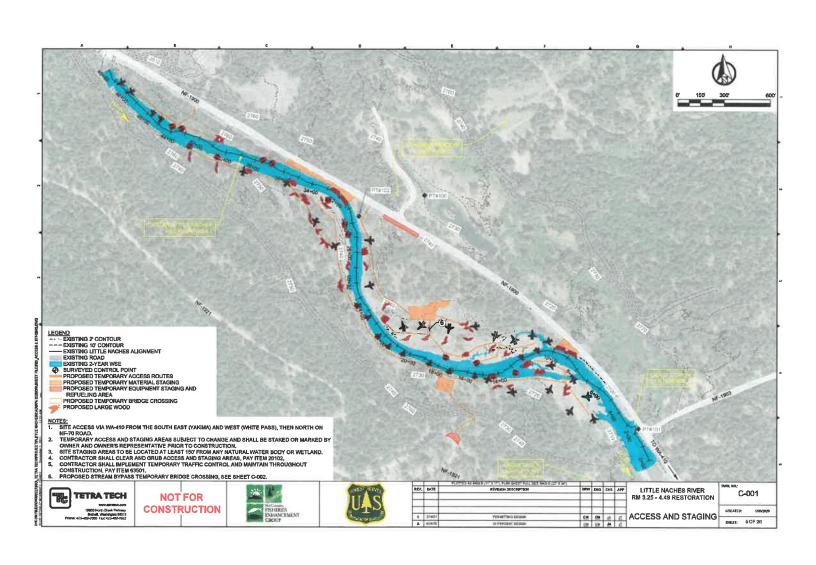
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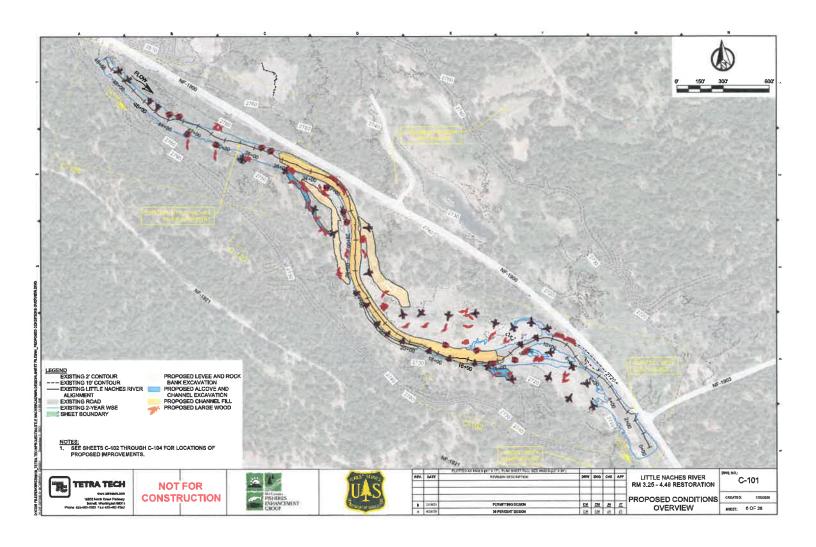
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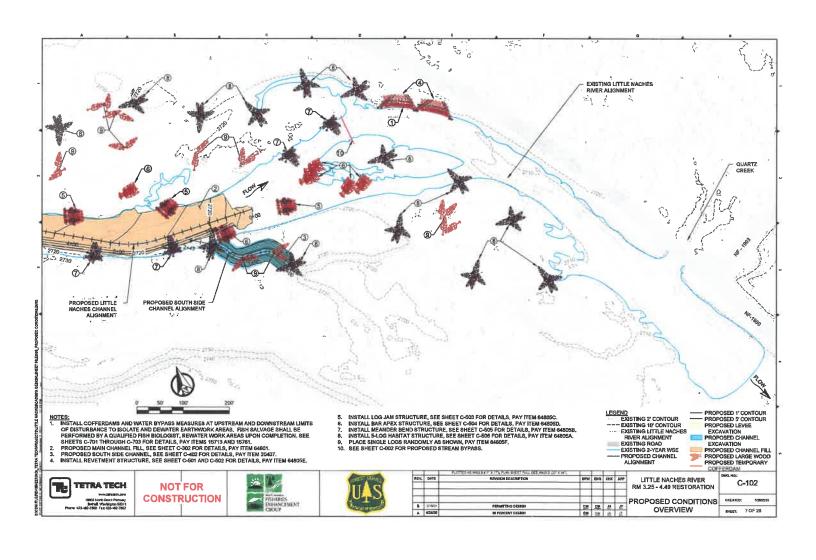
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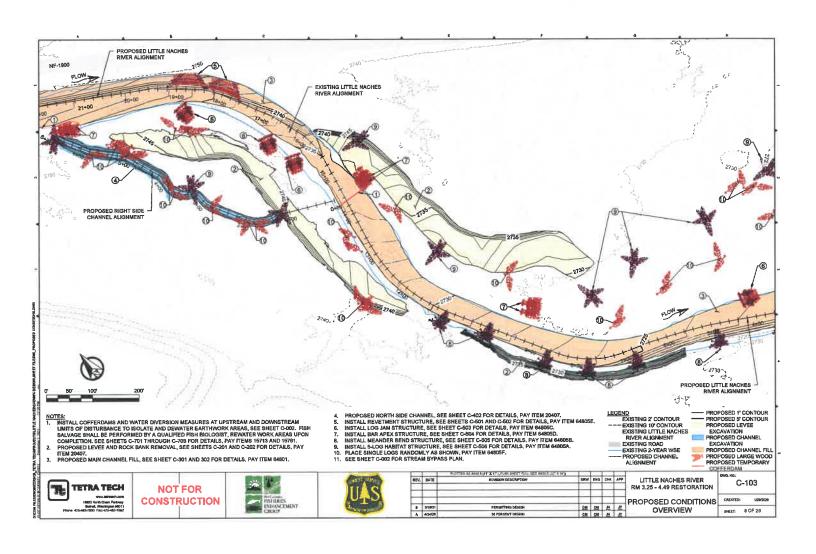
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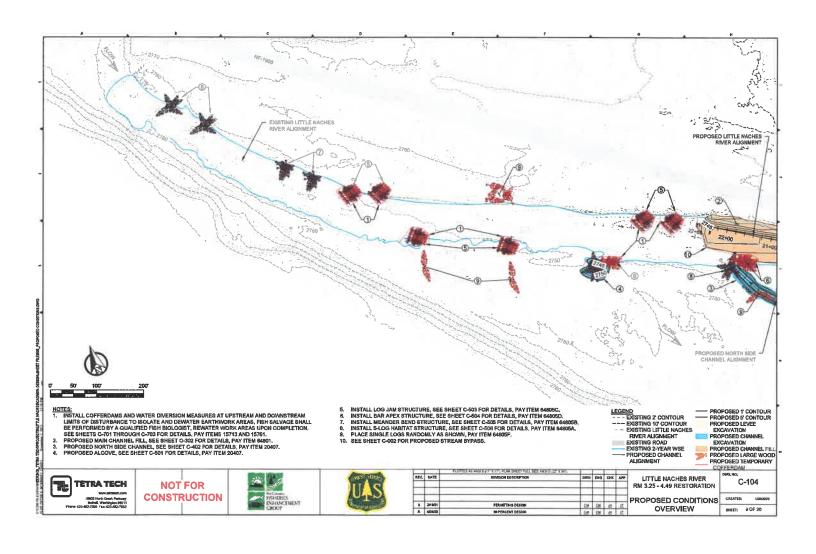


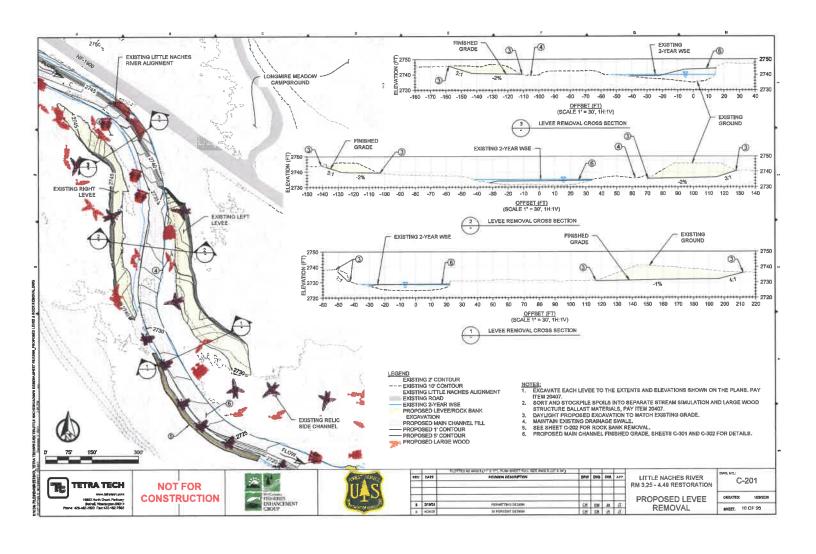


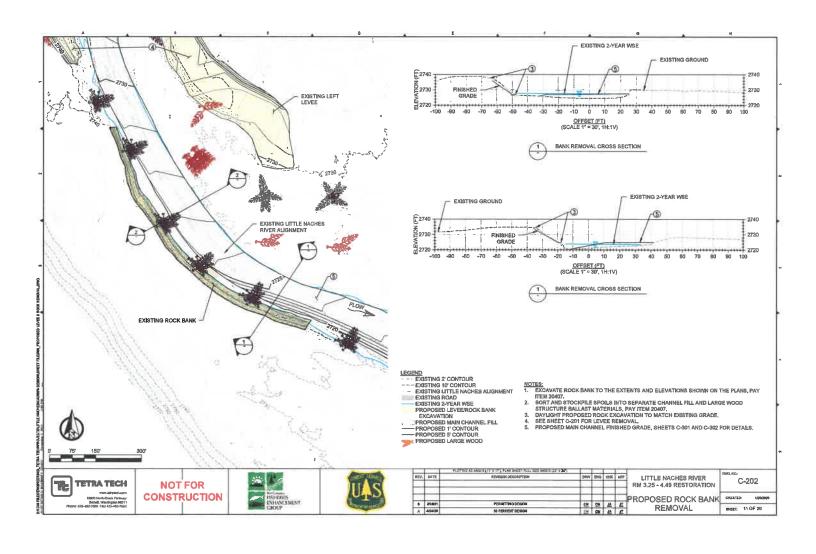


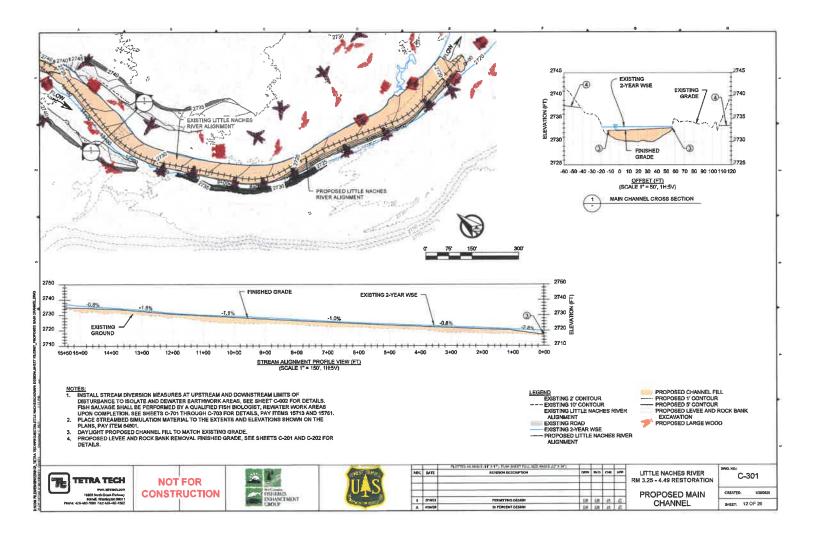


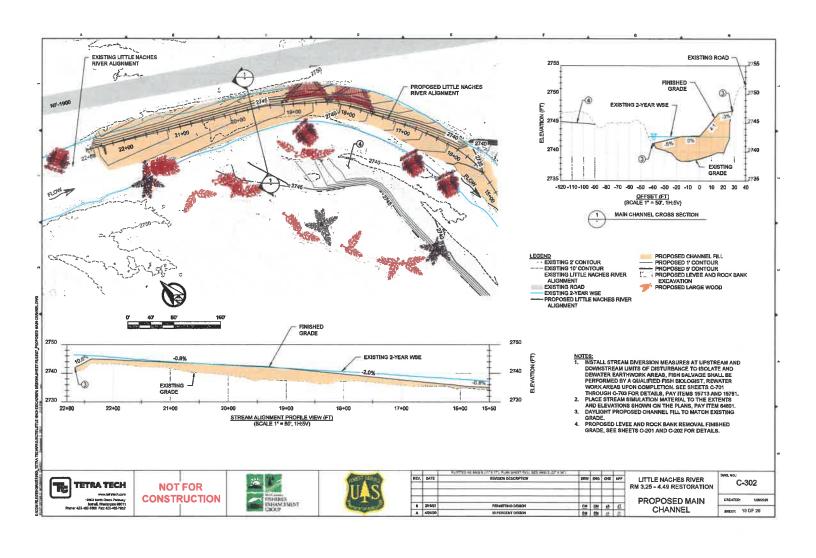


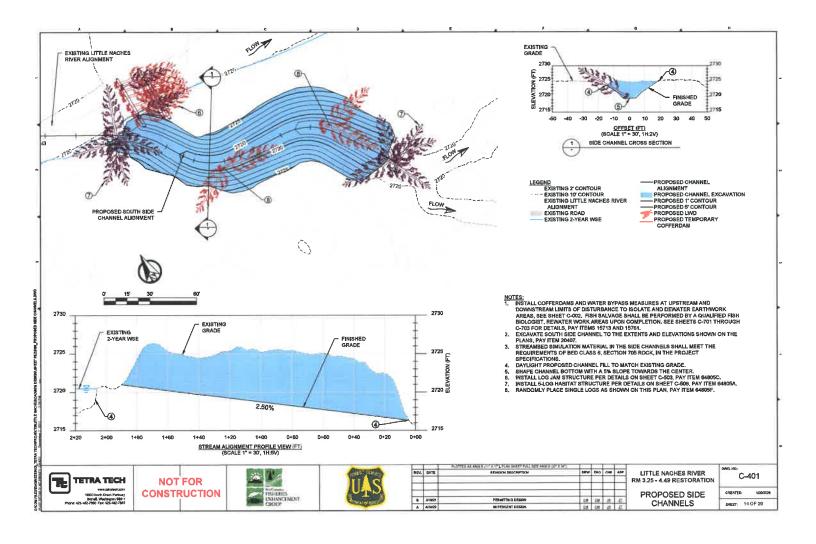


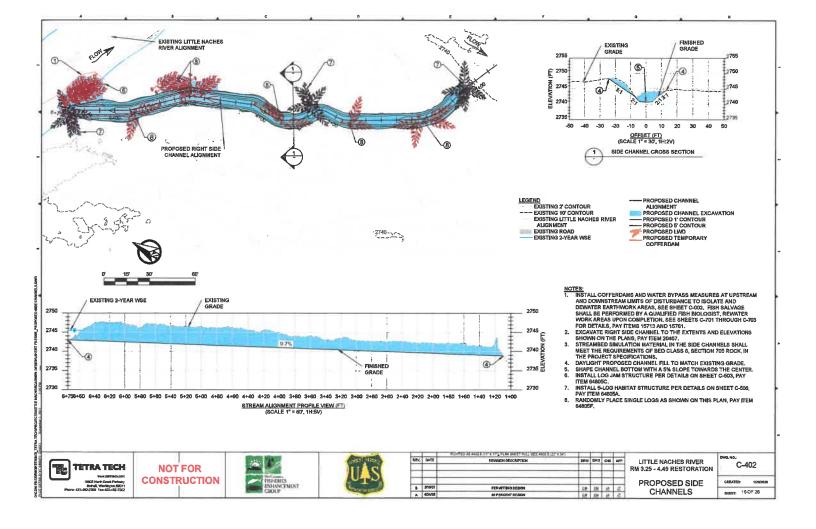


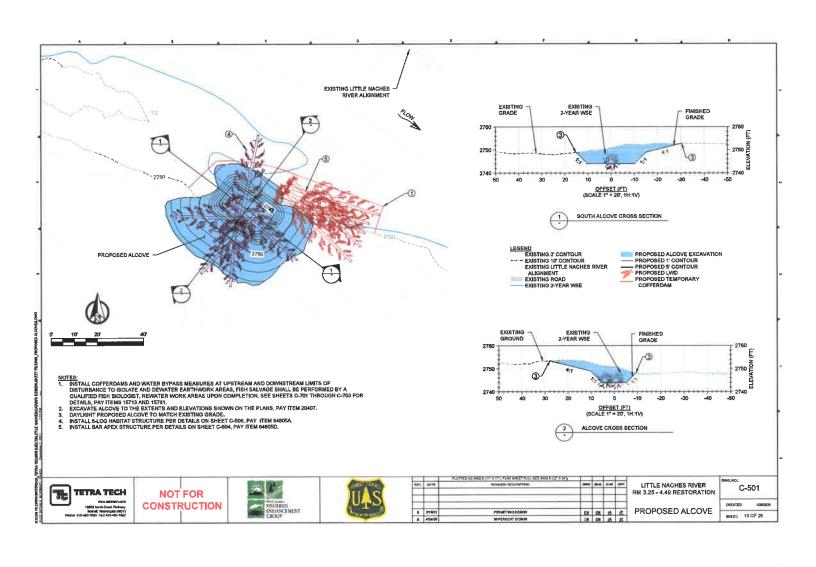


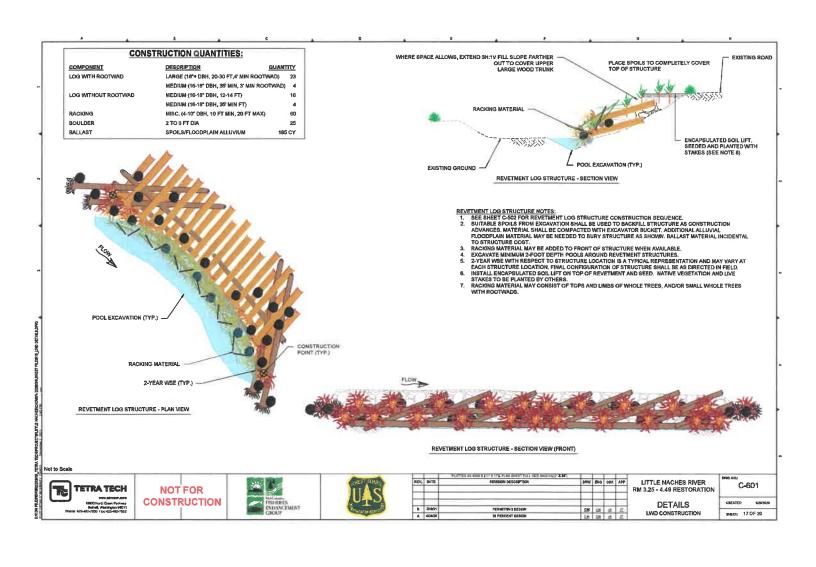


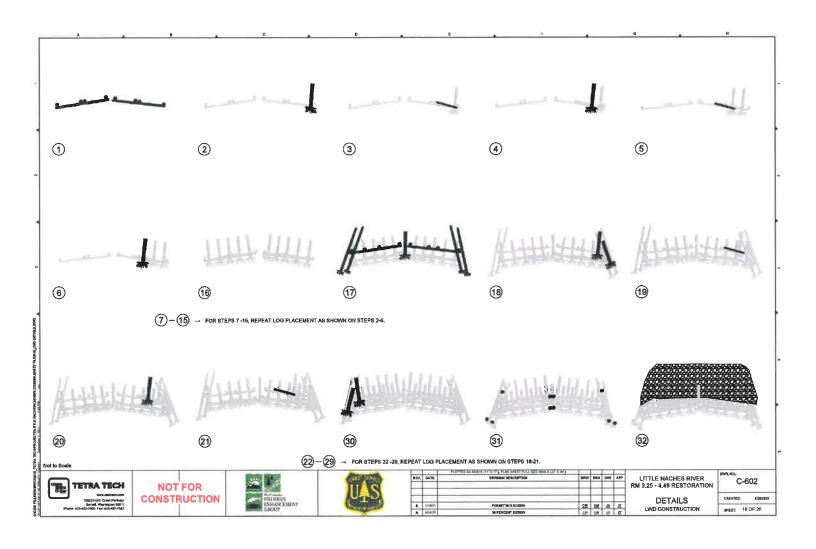


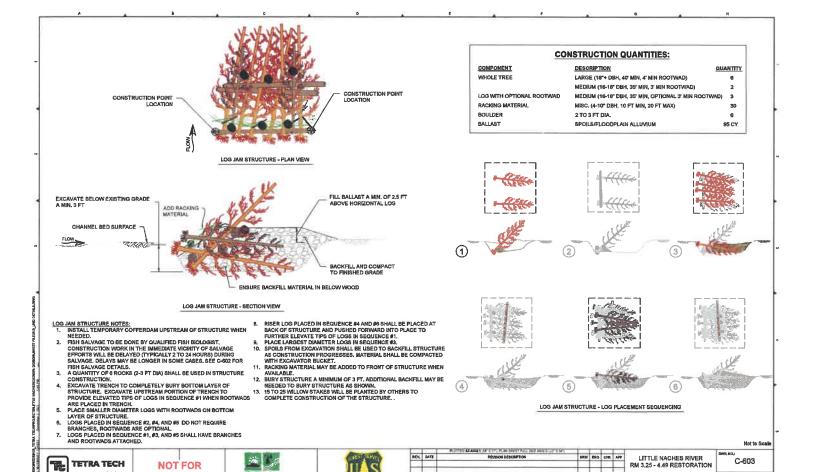








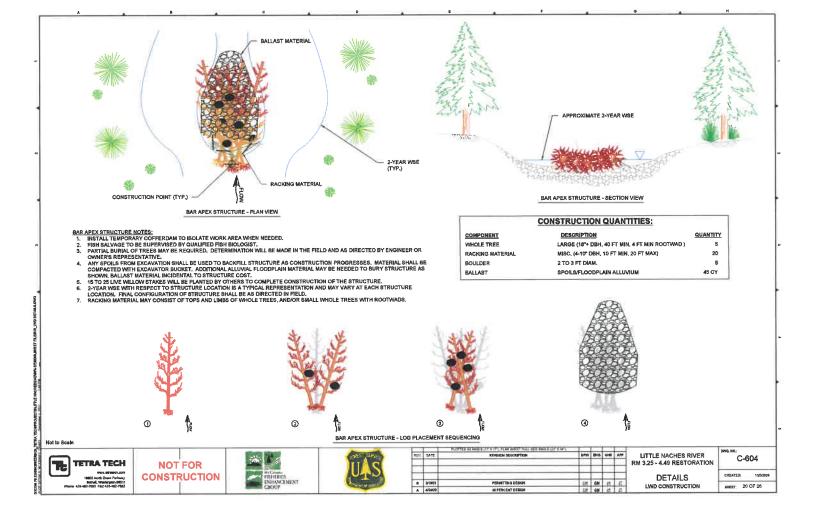


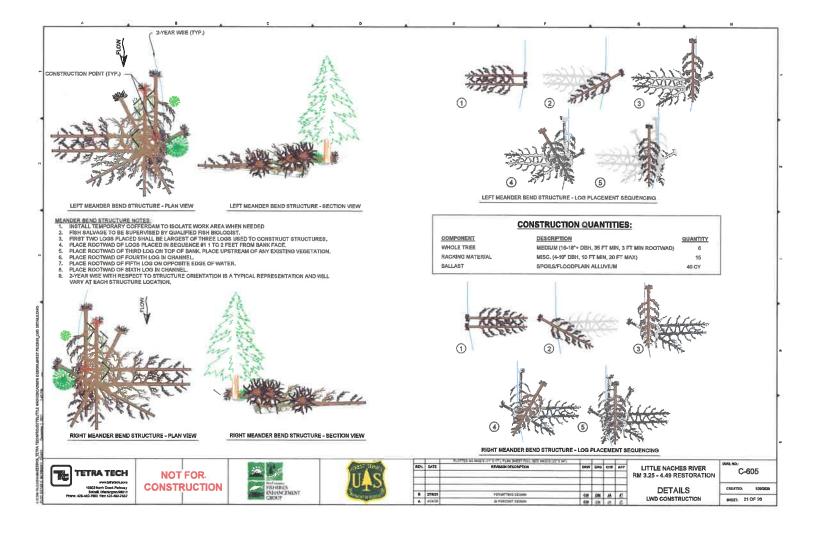


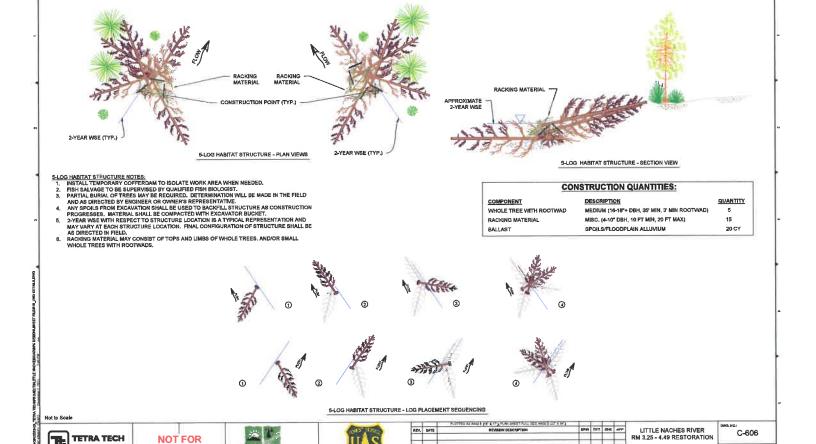
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