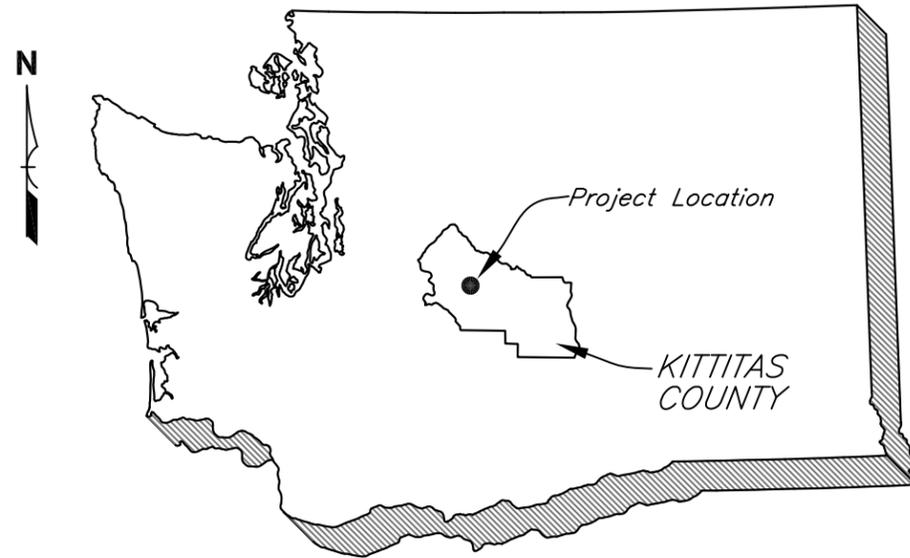


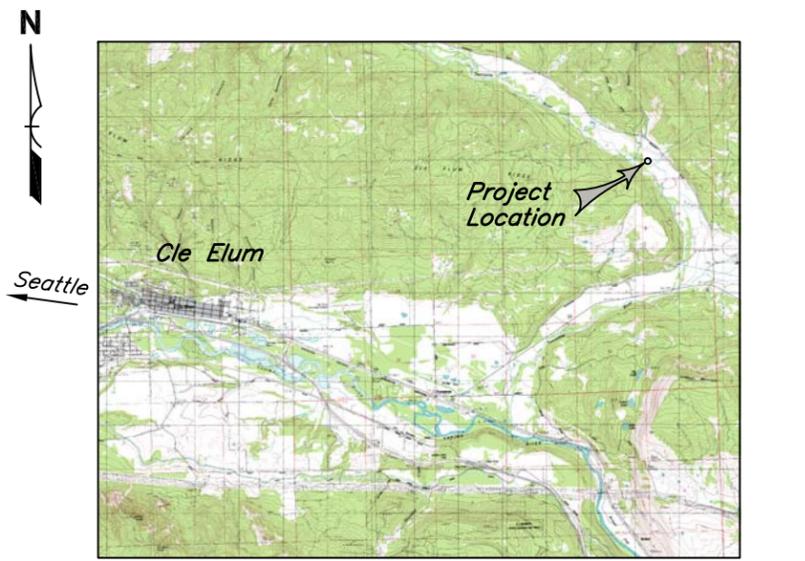
# RIVER CHANNEL & FLOODPLAIN RESTORATION PROJECT

OLIN NICHOLS  
KITTITAS COUNTY, WASHINGTON

PREPARED BY  
U.S. DEPARTMENT OF AGRICULTURE  
NATURAL RESOURCES CONSERVATION SERVICE

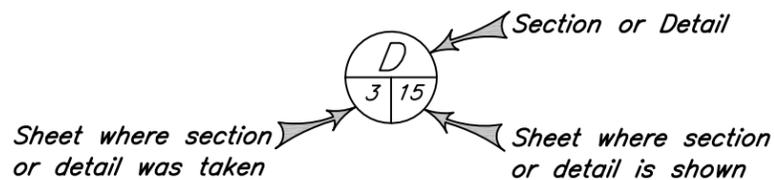


WASHINGTON STATE  
N.T.S.



VICINITY MAP  
SEC 13 & 24, T. 20 N., R. 16 E.

### LEGEND



### INDEX OF DRAWINGS

SHEET NO.	TITLE
1.	Index of Drawings
2.	Site Plan
3.	Plan
4.	Plan Detail
5.	Baseline Profile
6.	Earthwork Cross Sections
7.	Earthwork Cross Sections
8.	Vane/SWS & Willow Details
9.	Typical Cross Section and Large Wood Structure

### GENERAL NOTES

- The attached NRCS Construction and Material Specifications are part of this plan and shall govern the installation of this project.
- This project shall be constructed to the lines and grades shown in the drawings and detailed in the Construction Specifications.
- Drawings show relative project coordinates in feet for vertical control.
- All stationing refers to centerline of construction and is the measured horizontal distance.
- The vertical accuracy of contour lines is approximately one half of the contour interval shown in any given area of this plan.
- Survey data for this project was provided by Tetra Tech.
- Used digital ortho imagery from the National Agriculture Imagery Program (NAIP):  
Title: ortho\_1-1\_1n\_s\_wa037\_2009\_1  
Publication\_Date: 20090831

### UTILITY STATEMENT

No representation is made as to the existence or nonexistence of any utilities, public and/or private, buried or overhead, except as shown on the drawings. Where utilities are shown on the drawings, the location, depth and/or height are approximate. The exact location, depth and/or height must be determined by the utility company prior to any construction in the vicinity of the utility.

### RESPONSIBILITY OF PERMITS

The NRCS does not assume any responsibility in the determination, application and/or securing of any necessary permits for the construction and operation of this project. All permits are the responsibility of the owner, operator and/or contractor.

### REVIEW AND ACCEPTANCE

The drawings, Construction and Material Specifications for this project have been reviewed by me and are accepted for installation. I also acknowledge that any modifications implemented prior to review and approval by the NRCS may result in NRCS disapproval of this installation. I hereby acknowledge receipt of a copy(ies) of this plan.

COOPERATOR/OWNER

DATE

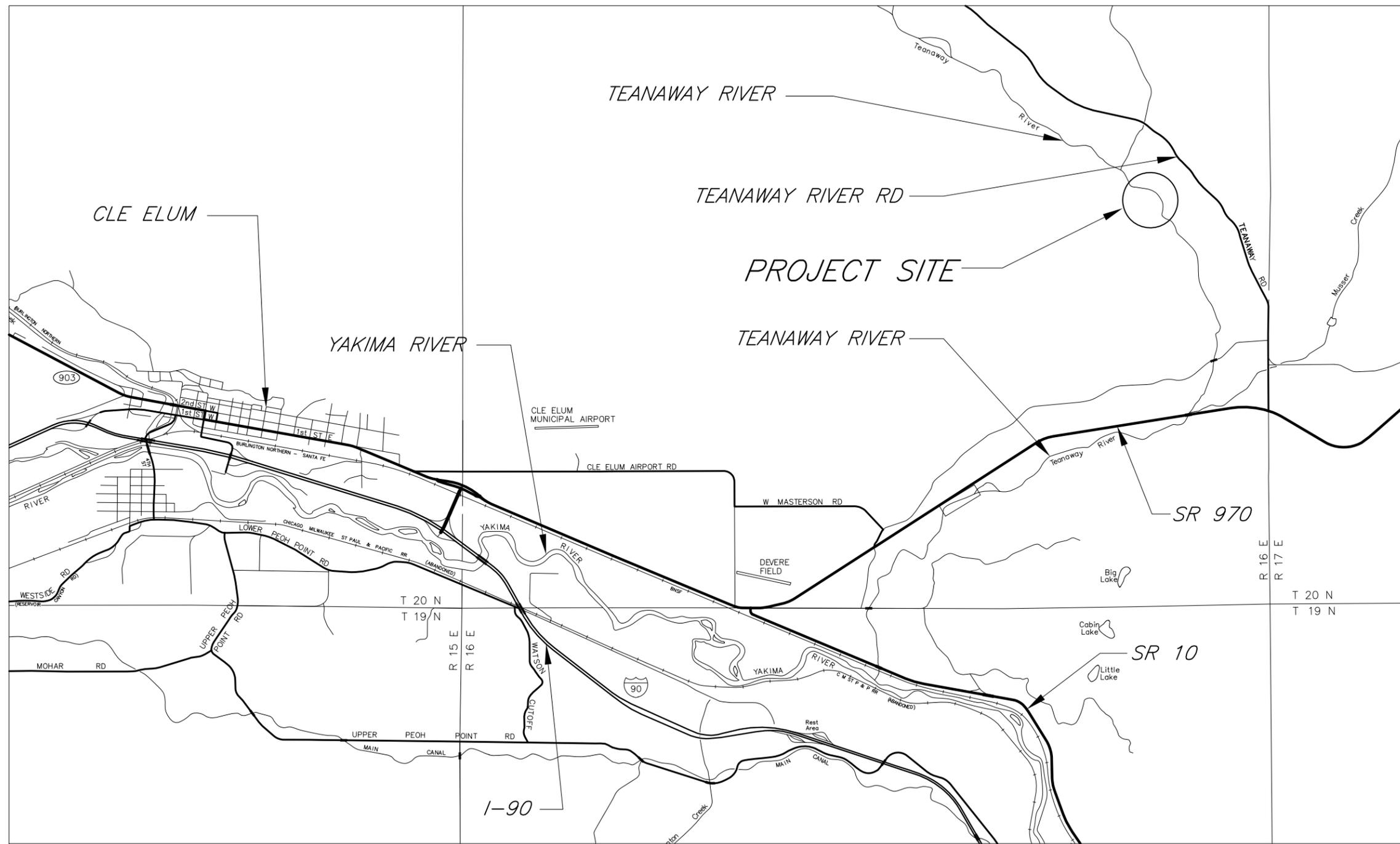
Date	5/11
Designed	SGD / DLH
Drawn	RLB
Checked	KAS
Approved	

INDEX OF DRAWINGS  
 RIVER CHANNEL/FLOODPLAIN RESTORATION PROJECT  
 OLIN NICHOLS  
 Kittitas County, Washington



File Name	
Drawing Name	nichols.dwg
Sheet	1 of 9

**05-23-2011 - Draft Permit Drawings - Not for Construction**



*SITE PLAN*  
NTS

**05-23-2011 - Draft Permit Drawings - Not for Construction**

Date	5/11
Designed	SGB /DLH
Drawn	Tetra Tech / RLB
Checked	KAS
Approved	

**SITE PLAN**  
**RIVER CHANNEL/FLOODPLAIN RESTORATION PROJECT**  
 OLIN NICHOLS  
 Kittitas County, Washington



File Name	
Drawing Name	nichols.dwg
Sheet	2 of 9

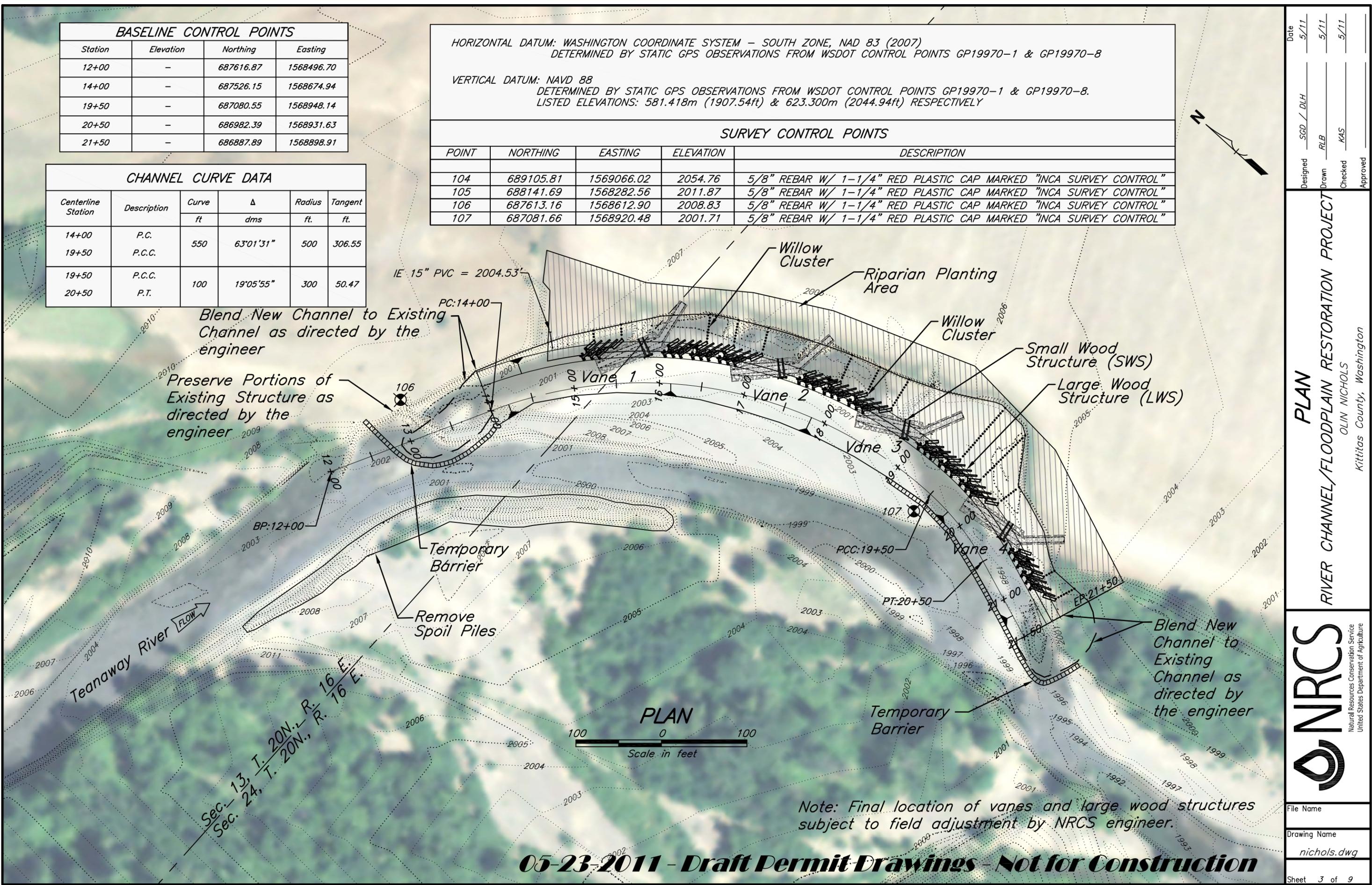
BASELINE CONTROL POINTS			
Station	Elevation	Northing	Easting
12+00	-	687616.87	1568496.70
14+00	-	687526.15	1568674.94
19+50	-	687080.55	1568948.14
20+50	-	686982.39	1568931.63
21+50	-	686887.89	1568898.91

HORIZONTAL DATUM: WASHINGTON COORDINATE SYSTEM – SOUTH ZONE, NAD 83 (2007)  
 DETERMINED BY STATIC GPS OBSERVATIONS FROM WSDOT CONTROL POINTS GP19970-1 & GP19970-8

VERTICAL DATUM: NAVD 88  
 DETERMINED BY STATIC GPS OBSERVATIONS FROM WSDOT CONTROL POINTS GP19970-1 & GP19970-8.  
 LISTED ELEVATIONS: 581.418m (1907.54ft) & 623.300m (2044.94ft) RESPECTIVELY

SURVEY CONTROL POINTS				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
104	689105.81	1569066.02	2054.76	5/8" REBAR W/ 1-1/4" RED PLASTIC CAP MARKED "INCA SURVEY CONTROL"
105	688141.69	1568282.56	2011.87	5/8" REBAR W/ 1-1/4" RED PLASTIC CAP MARKED "INCA SURVEY CONTROL"
106	687613.16	1568612.90	2008.83	5/8" REBAR W/ 1-1/4" RED PLASTIC CAP MARKED "INCA SURVEY CONTROL"
107	687081.66	1568920.48	2001.71	5/8" REBAR W/ 1-1/4" RED PLASTIC CAP MARKED "INCA SURVEY CONTROL"

CHANNEL CURVE DATA					
Centerline Station	Description	Curve	Δ	Radius	Tangent
		ft	dms	ft.	ft.
14+00	P.C.	550	63°01'31"	500	306.55
19+50	P.C.C.				
19+50	P.C.C.	100	19°05'55"	300	50.47
20+50	P.T.				



Note: Final location of vanes and large wood structures subject to field adjustment by NRCS engineer.

05-23-2011 - Draft Permit Drawings - Not for Construction

Date 5/11  
 Designed SGO / DLH  
 Drawn RLB  
 Checked KAS  
 Approved

PLAN  
 RIVER CHANNEL/FLOODPLAIN RESTORATION PROJECT  
 OLIN NICHOLS  
 Kittitas County, Washington



File Name  
 Drawing Name nichols.dwg  
 Sheet 3 of 9