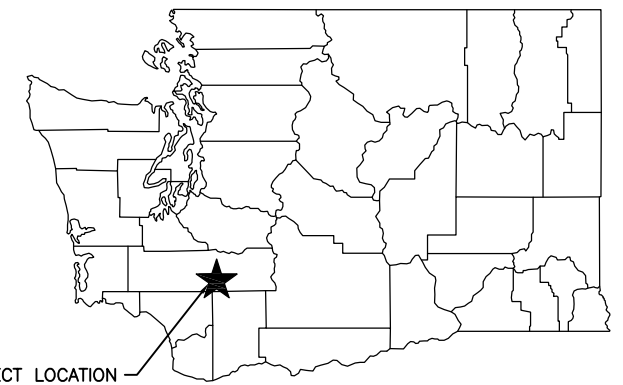
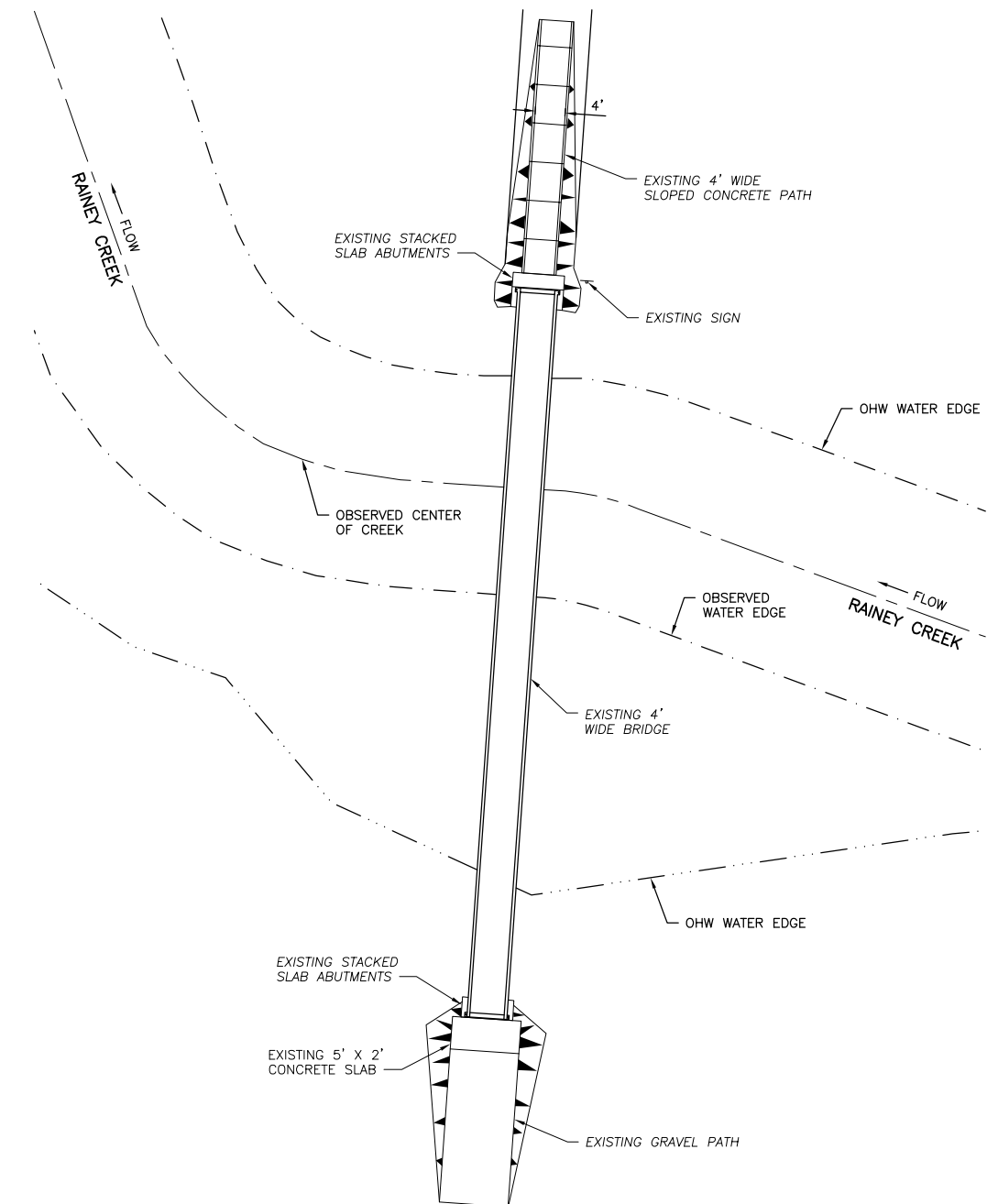


VICINITY MAP
NOT TO SCALE



STATE MAP
NOT TO SCALE



EXISTING SITE PLAN
NOT TO SCALE

WASHINGTON STATE
DEPARTMENT OF FISH AND WILDLIFE

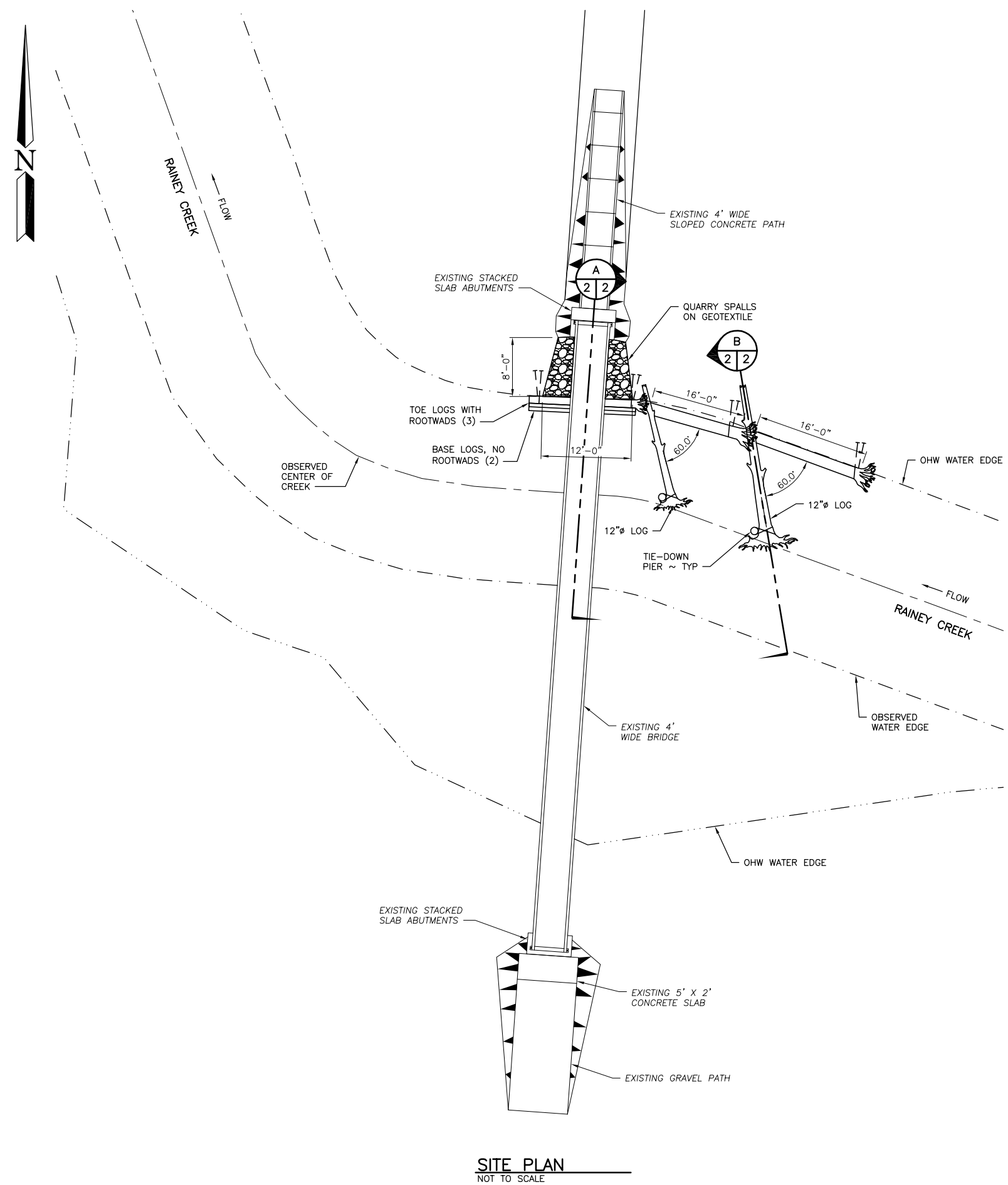
SYM		DATE	REVISION DESCRIPTION	BY
APPROVED AND RELEASED FOR CONSTRUCTION				
CHIEF ENGINEER			DATE:	DESIGNED BY
PROGRAM			DATE:	CHECKED BY
			DATE:	DRAWN BY NDB
			DATE:	DATE 01/16/2018

0 — 1"
BAR MEASURES
ONE INCH ON
ORIGINAL DRAWINGS

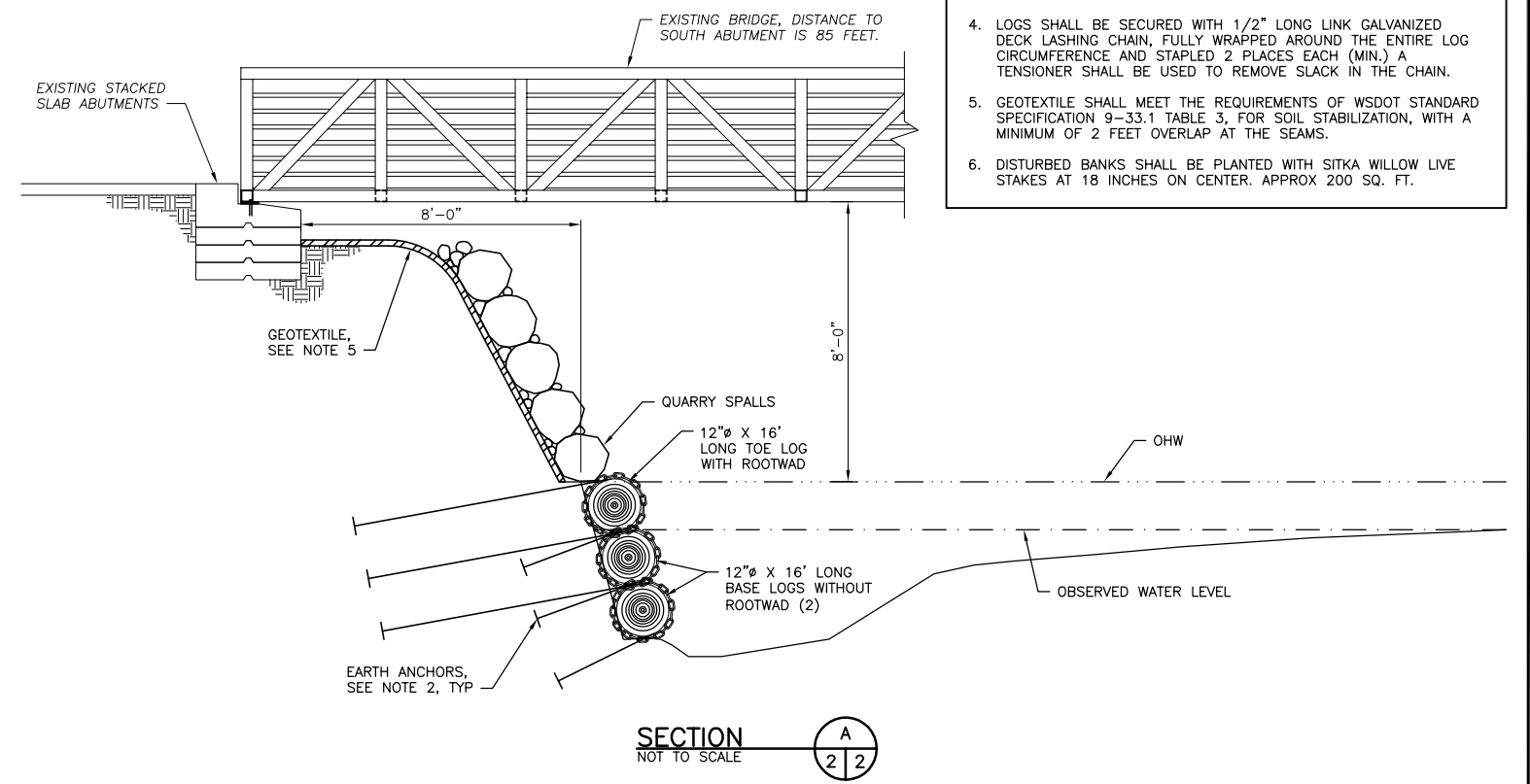
COWLITZ WLA – KOSMOS UNIT
RAINEY CREEK BRIDGE BANK STABILIZATION
STATE AND VICINITY MAPS

PROJECT NO. LS:R42:17-1	
SHEET	OF
1	2

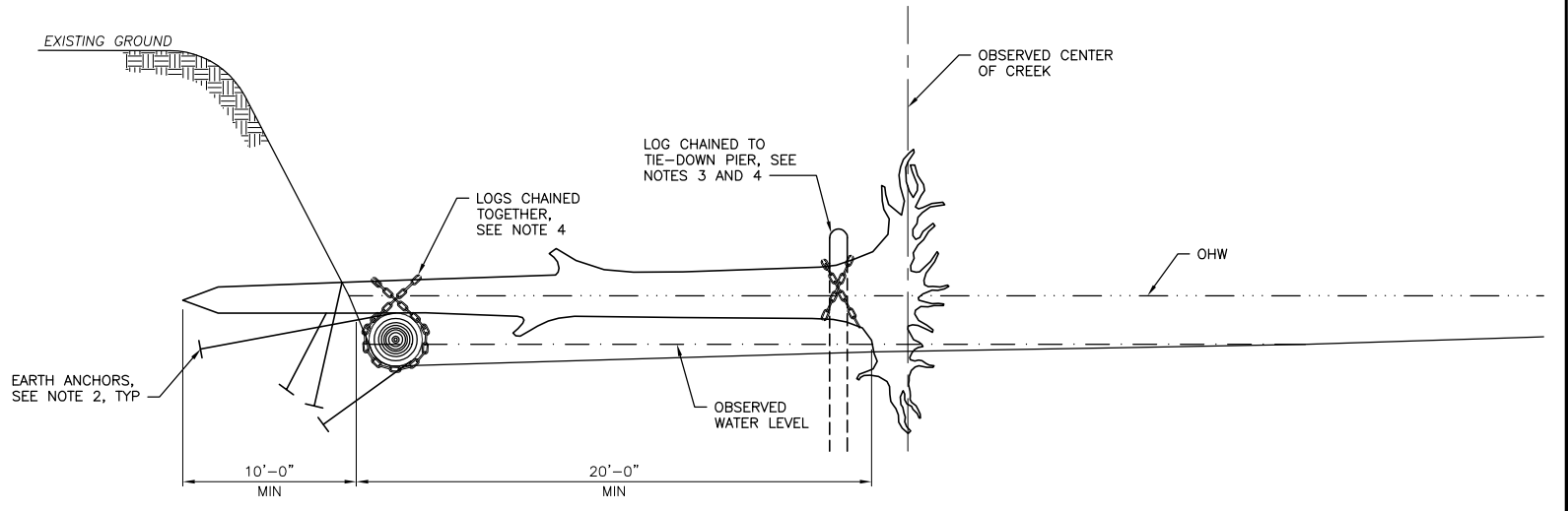
**NOT FOR
CONSTRUCTION**



SITE PLAN
NOT TO SCALE



SECTION A
NOT TO SCALE



SECTION B
NOT TO SCALE

- NOTES:**
- LOGS SHALL BE 12 INCHES IN DIAMETER AND BE EITHER DOUGLAS FIR, CEDAR, OR HEMLOCK. THE LOGS' ROOT WAD AND BARK ARE TO BE LEFT INTACT. THE ROOT WAD IS TO BE A MINIMUM OF 6 FEET IN DIAMETER. SEE DRAWING FOR THE LENGTH AND DIAMETER OF THE LOGS.
 - EARTH ANCHORS SHALL BE MANTA RAY MR-1 AND EMBEDDED TO A DEPTH OF AT LEAST 8 FEET TO PROVIDE A MINIMUM PULL-OUT STRENGTH OF 10,000 POUNDS.
 - TIE DOWN PIER SHALL BE AN 8 INCH DIAMETER WOOD POST OR ENGINEER APPROVED EQUIVALENT.
 - LOGS SHALL BE SECURED WITH 1/2" LONG LINK GALVANIZED DECK LASHING CHAIN, FULLY WRAPPED AROUND THE ENTIRE LOG CIRCUMFERENCE AND STAPLED 2 PLACES EACH (MIN.) A TENSIONER SHALL BE USED TO REMOVE SLACK IN THE CHAIN.
 - GEOTEXTILE SHALL MEET THE REQUIREMENTS OF WSDOT STANDARD SPECIFICATION 9-33.1 TABLE 3, FOR SOIL STABILIZATION, WITH A MINIMUM OF 2 FEET OVERLAP AT THE SEAMS.
 - DISTURBED BANKS SHALL BE PLANTED WITH SITKA WILLOW LIVE STAKES AT 18 INCHES ON CENTER. APPROX 200 SQ. FT.

LEGEND

BRIDGE	_____
CONCRETE	_____
CENTER OF CREEK	_____
GROUND LINE	_____
OHW	_____
PAVEMENT	_____
WATER EDGE	_____

WASHINGTON STATE
DEPARTMENT OF FISH AND WILDLIFE

SYMBOL		DATE	REVISION DESCRIPTION	BY
APPROVED AND RELEASED FOR CONSTRUCTION				
CHIEF ENGINEER	DATE:	DESIGNED BY	CHECKED BY	
PROGRAM	DATE:	DRAWN BY	DATE	

NOT FOR CONSTRUCTION

0 — 1"
BAR MEASURES ONE INCH ON ORIGINAL DRAWINGS

COWLITZ WLA — KOSMOS UNIT
RAINEY CREEK BRIDGE BANK STABILIZATION
SITE PLAN AND SECTIONS

PROJECT NO. LS:R42:17-1	
SHEET 2	OF 2