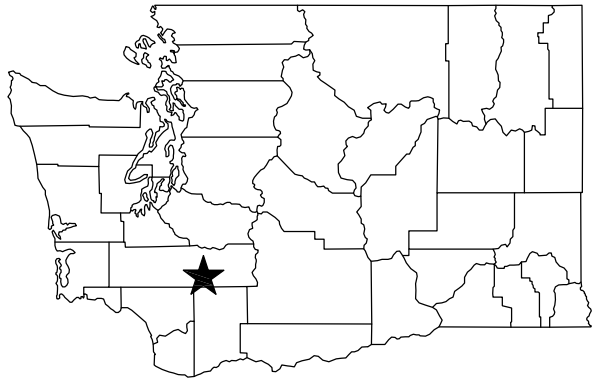
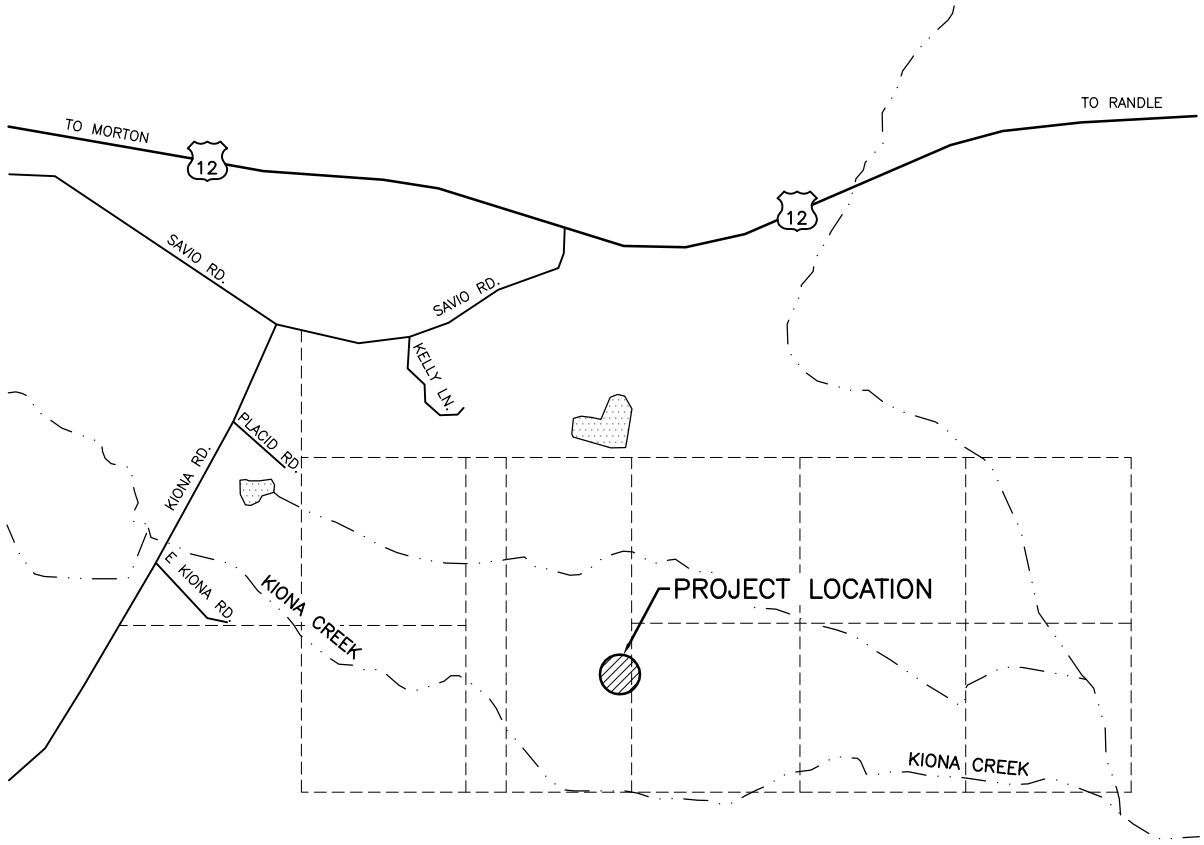


STATE MAP
NOT TO SCALE




VICINITY MAP
NOT TO SCALE

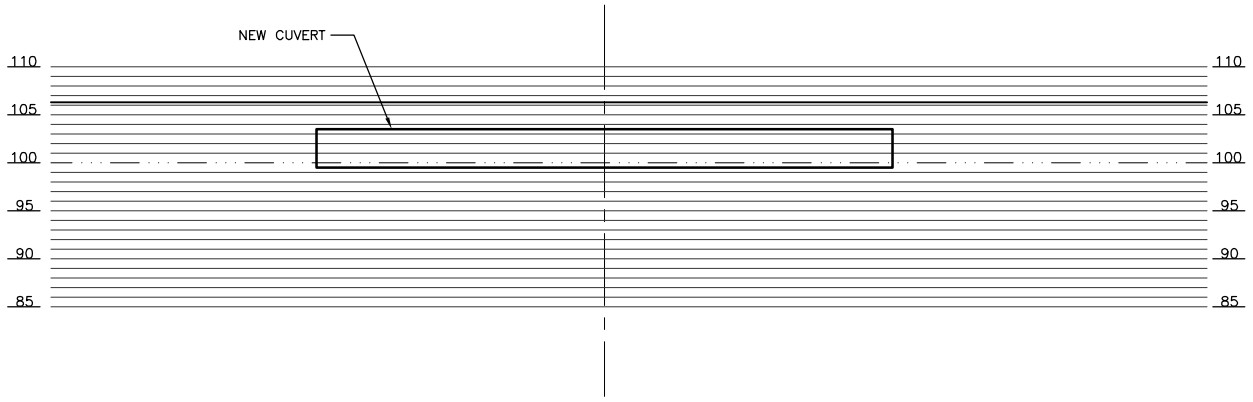
LAT: 46.52663
LONG: 122.0062

| | | |
|---|---|---|
| PURPOSE: JANUARY 2009 FLOOD REPAIR | WASHINGTON DEPT. of FISH & WILDLIFE<br>600 CAPITOL WAY N.<br>OLYMPIA, WA 98501–1091 | PROPOSED: REPLACE/UPGRADE DAMAGED CULVERT |
| DATUM: ASSUMED<br>ADJACENT PROPERTY OWNER:<br>1.<br>2<br>ENG. PROJECT NO. LS:R42:11–1 | REFERENCE NO.<br>SITE: COWLITZ WILDLIFE AREA<br>ADDRESS: 15.3 MILES EAST OF MORTON | IN: KIONA CREEK<br>NEAR: MORTON<br>COUNTY OF: LEWIS STATE: WA<br>PORTION OF: SECT. 13, T 12 N, R 6 E<br>DATE: 6/8/2011 SHEET 1 OF 3 |

SITE PLAN
NOT TO SCALE

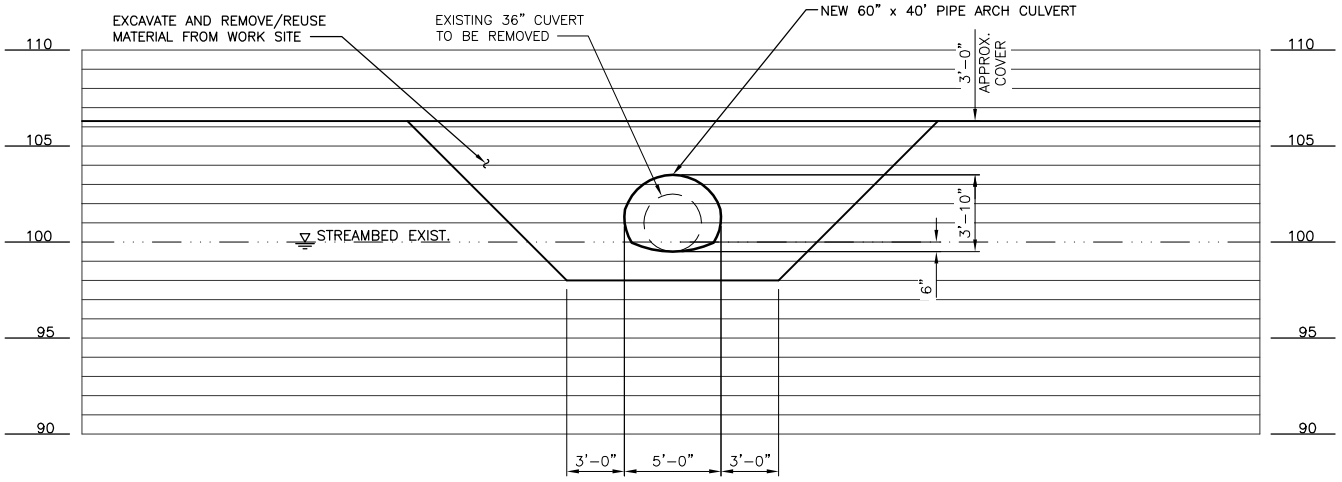
| | |
|---|---|
| REFERENCE NO. | |
| APPLICANT: WASHINGTON DEPT. of FISH & WILDLIFE | |
| COWLITZ WILDLIFE AREA<br>KIONA UNIT<br>SITE PLAN | |
| AT: MORTON , WASHINGTON | |
| DATE: 6/8/2011 | SHEET 2 OF 3 |

ENG. PROJECT NO. LS:R42:11-1




## NEW CULVERT PROFILE

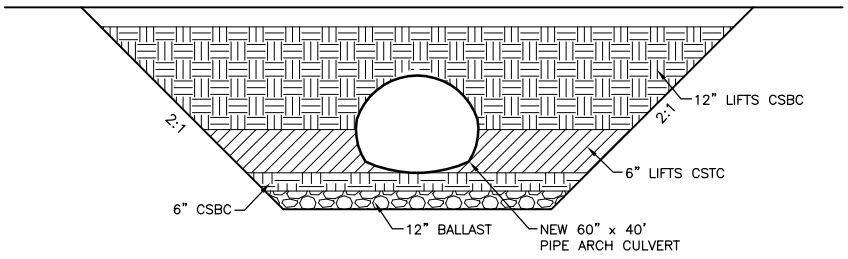
SCALE: 1" = 20'




## CROSS SECTION

SCALE: 1" = 10'

| CUT/FILL QUANTITIES | | | |
|---|---|---|---|
| | CUT | FILL | TOTAL |
| ABOVE OHWL | 41cy | 30cy | |
| BELOW OHWL | 28cy | 28cy | |
| NET | 69cy | 58cy | CUT 11cy |




## FILL DETAIL

NOT TO SCALE

REFERENCE NO. _____

APPLICANT:
WASHINGTON DEPT. of FISH & WILDLIFE

COWLITZ WILDLIFE AREA
KIONA UNIT
PROFILE & SECTION

AT: MORTON , WASHINGTON

DATE: 6/8/2011 SHEET 3 OF 3

ENG. PROJECT NO. LS:R42:11-1