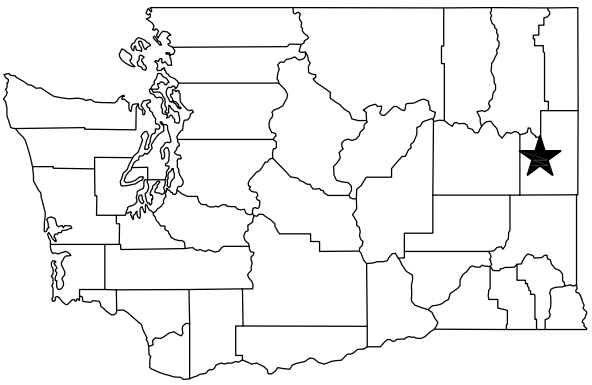
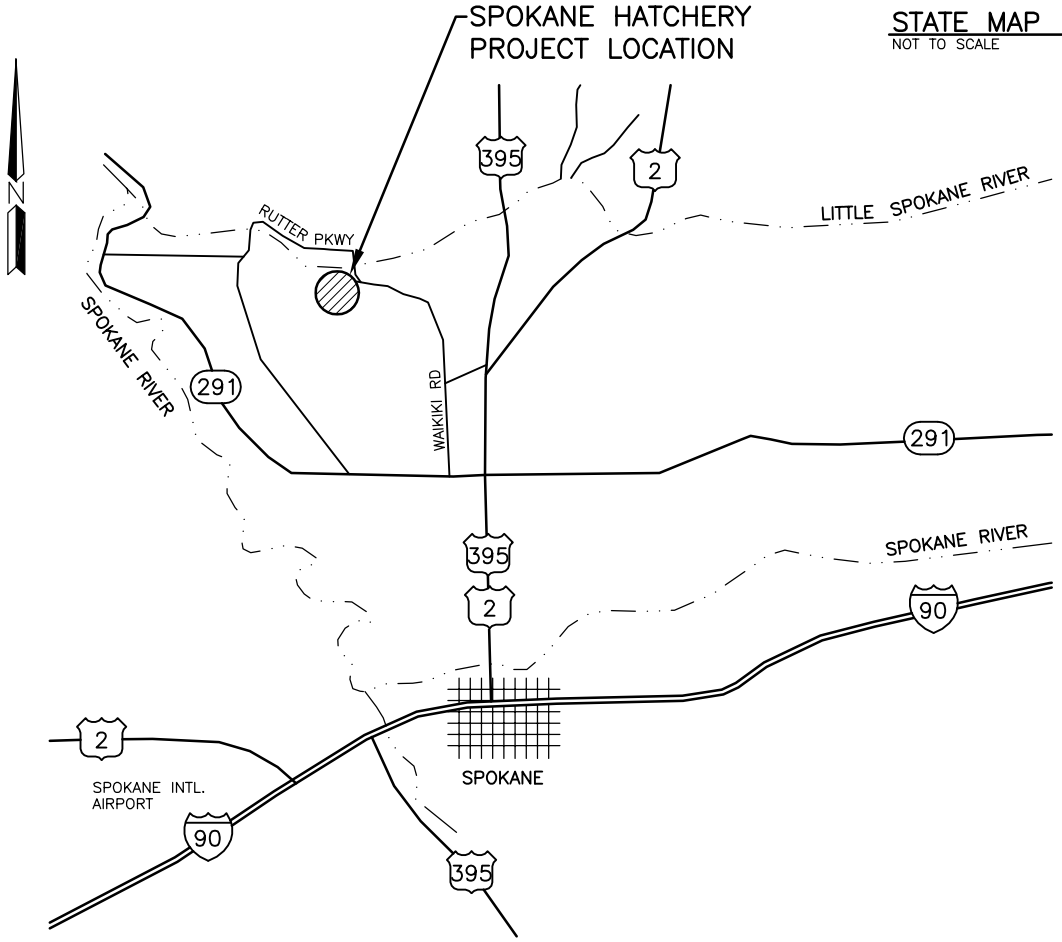


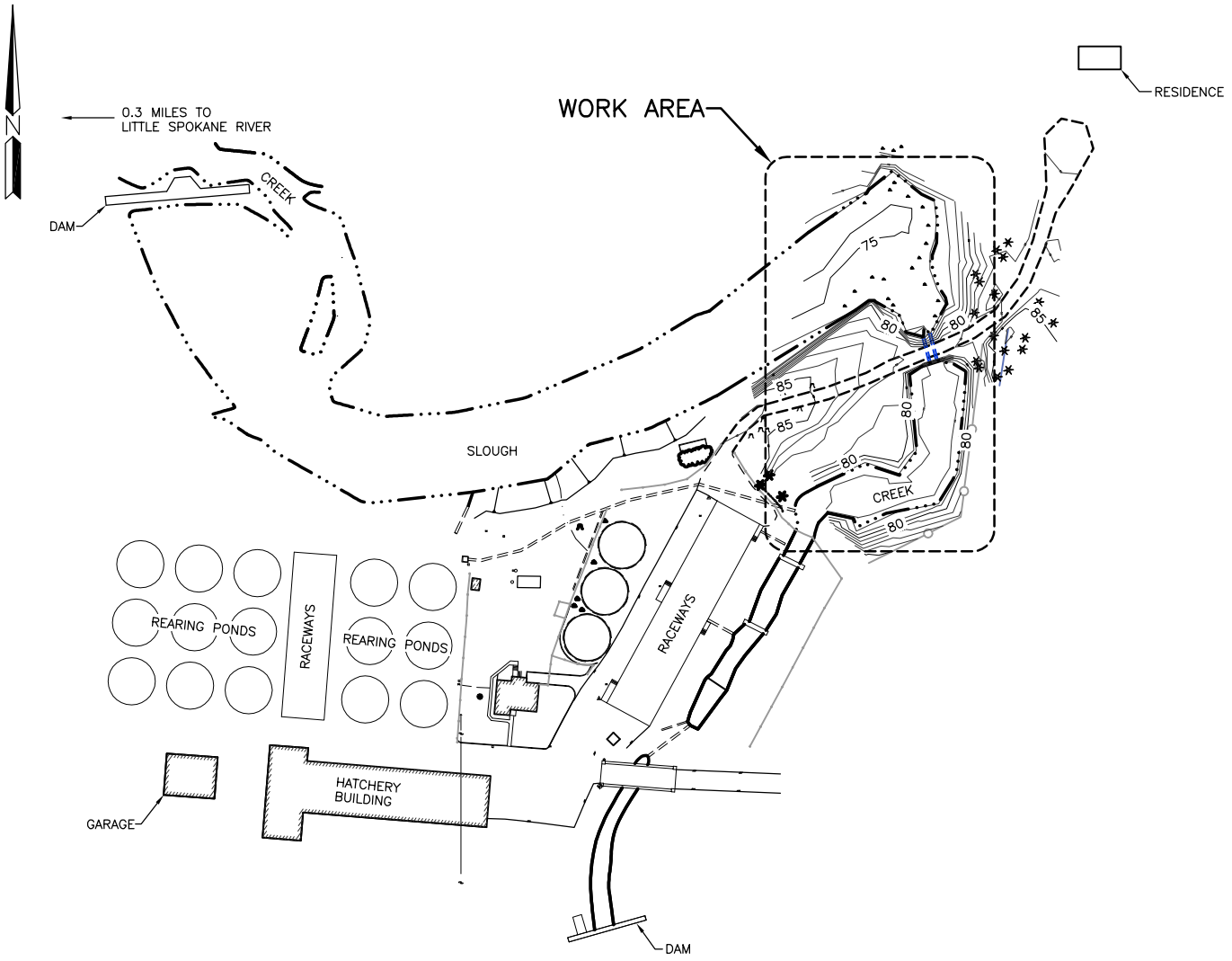
STATE MAP
NOT TO SCALE



DIRECTIONS:
FROM I–90 TAKE EXIT 281 ONTO S DIVISION ST(US–2 EAST) TOWARD US–395 N GO 1.1 MI.
CONTINUE TO FOLLOW US–2 EAST GO 5.3 MI.
CONTINUE ON N DIVISION ST(US–395 N) GO 0.8 MI.
TURN LEFT ON W HAWTHORNE RD GO 0.6 MI.
TURN RIGHT ON N WAIKIKI RD GO 0.7 MI.
CONTINUE ON N MILL RD GO < 0.1 MI.
TURN LEFT ON W WAIKIKI RD GO 1.3 MI.
ARRIVE AT 2927 W WAIKIKI RD, HATCHERY ON RIGHT

VICINITY MAP
NOT TO SCALE

PURPOSE: REMOVE UNDERSIZED CULVERTS	WASHINGTON DEPT. of FISH & WILDLIFE 600 CAPITOL WAY N. OLYMPIA, WA 98501–1091	PROPOSED: REMOVE CULVERTS & INSTALL NEW BRIDGE
DATUM: ADJACENT PROPERTY OWNER: 1. 2 ENG. PROJECT NO. SE:H120:11–1	REFERENCE NO. SITE: SPOKANE HATCHERY ADDRESS: W 2927 WAIKIKI ROAD SPOKANE, WA 99208	IN: LITTLE SPOKANE RIVER NEAR: SPOKANE COUNTY OF: SPOKANE STATE: WA PORTION OF: SECT. 11, T 26 N, R 42 E DATE: 2/10/2012 SHEET 1 OF 9



OVERALL SITE PLAN
NOT TO SCALE

REFERENCE NO. _____

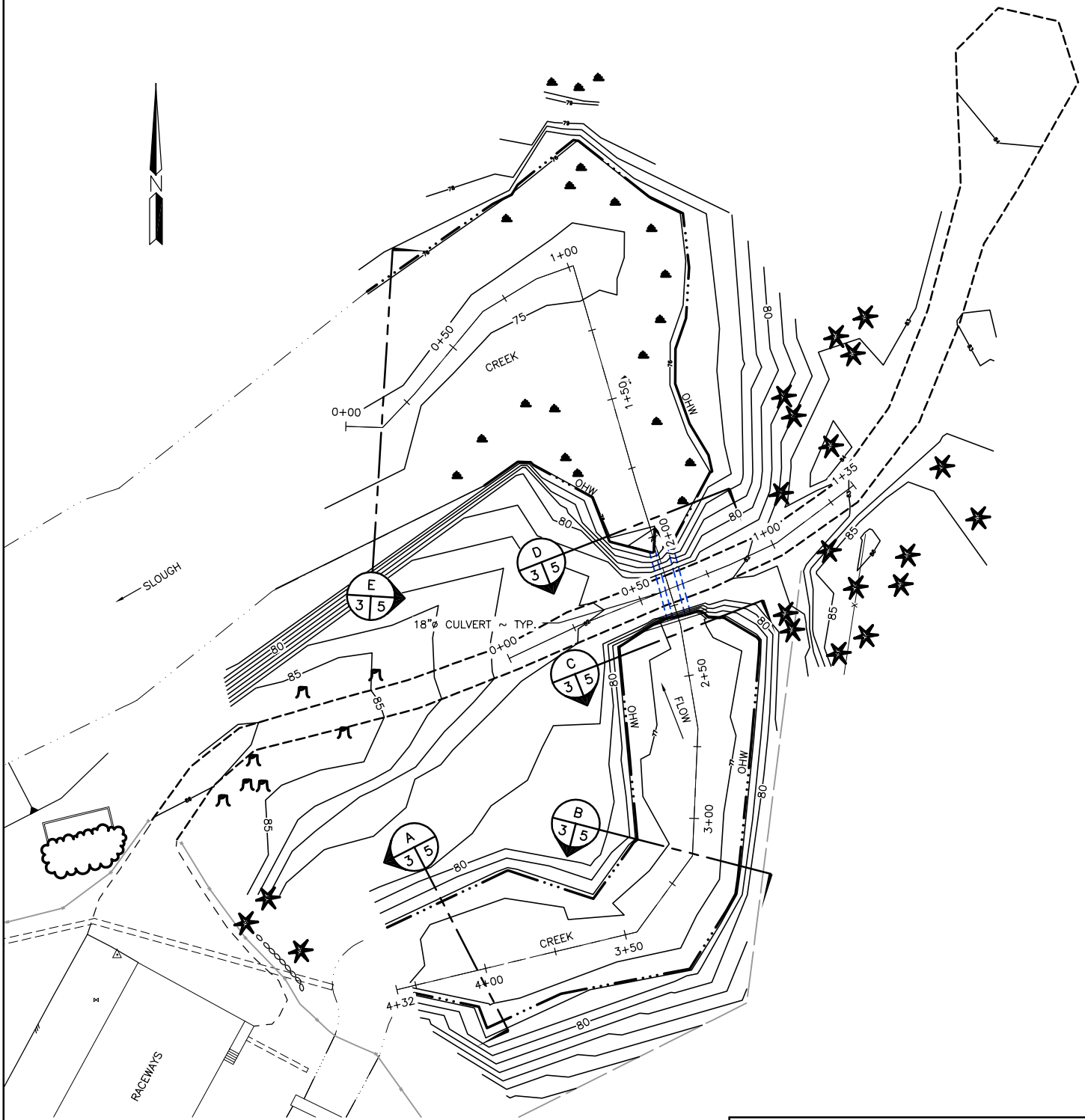
APPLICANT:
WASHINGTON DEPT. of FISH & WILDLIFE

SPOKANE HATCHERY
CULVERT REMOVAL & BRIDGE INSTALLATION
OVERALL SITE PLAN

AT: SPOKANE , WASHINGTON

DATE: 2/10/2012 SHEET 2 OF 9

ENG. PROJECT NO. SE:H120:11-1



EXISTING SITE PLAN
NOT TO SCALE

REFERENCE NO. _____

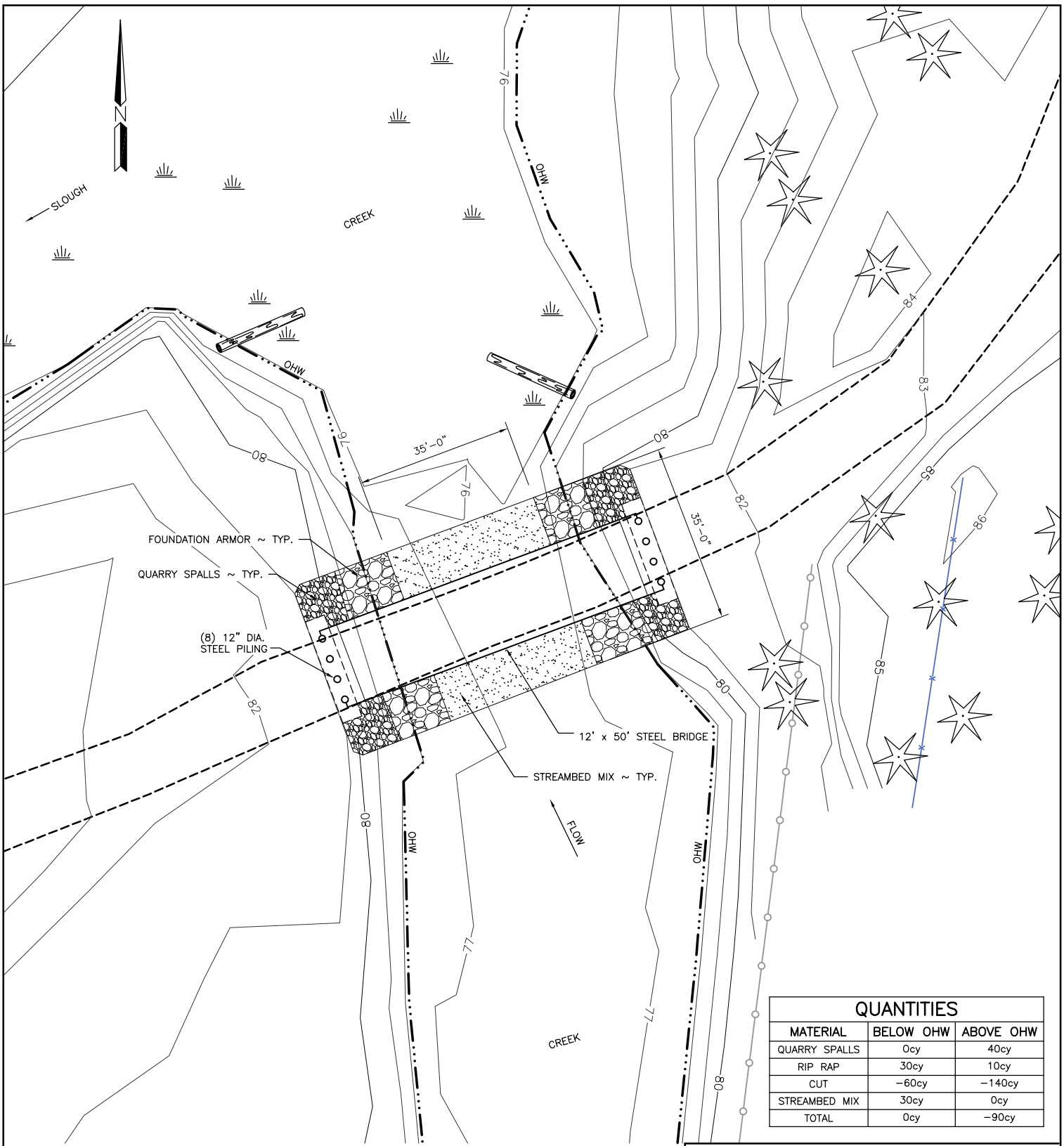
APPLICANT:
WASHINGTON DEPT. of FISH & WILDLIFE

SPOKANE HATCHERY
CULVERT REMOVAL & BRIDGE INSTALLATION
EXISTING SITE PLAN

AT: SPOKANE , WASHINGTON

DATE: 2/10/2012 SHEET 3 OF 9

ENG. PROJECT NO. SE:H120:11-1



QUANTITIES		
MATERIAL	BELOW OHW	ABOVE OHW
QUARRY SPALLS	0cy	40cy
RIP RAP	30cy	10cy
CUT	−60cy	−140cy
STREAMBED MIX	30cy	0cy
TOTAL	0cy	−90cy

PROPOSED SITE PLAN

NOT TO SCALE

NOTE:

UTILITIES NOT SHOWN FOR CLARITY

REFERENCE NO. _____

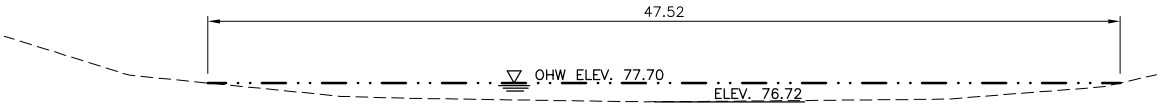
APPLICANT:
WASHINGTON DEPT. of FISH & WILDLIFE

SPOKANE HATCHERY
CULVERT REMOVAL & BRIDGE INSTALLATION
PROPOSED SITE PLAN

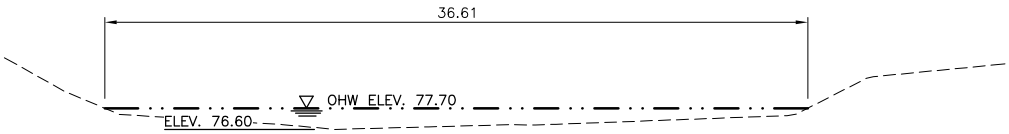
AT: SPOKANE , WASHINGTON

DATE: 2/10/2012 SHEET 4 OF 9

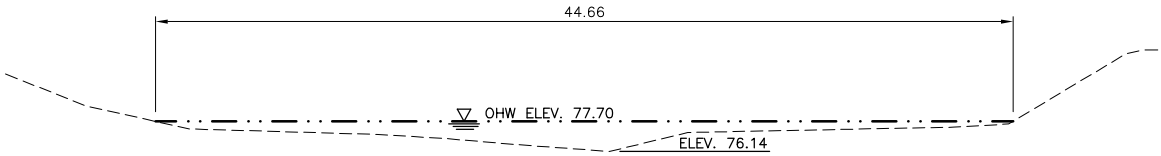
ENG. PROJECT NO. SE:H120:11−1



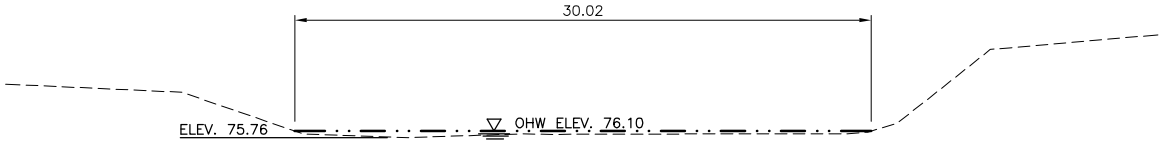
SECTION A
SCALE: 1" = 8'
3 5



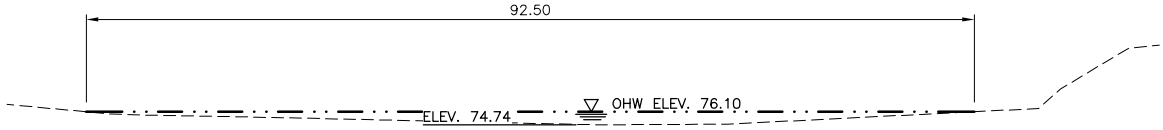
SECTION B
SCALE: 1" = 8'
3 5



SECTION C
SCALE: 1" = 8'
3 5



SECTION D
SCALE: 1" = 8'
3 5



SECTION E
SCALE: 1" = 8'
3 5

REFERENCE NO. _____

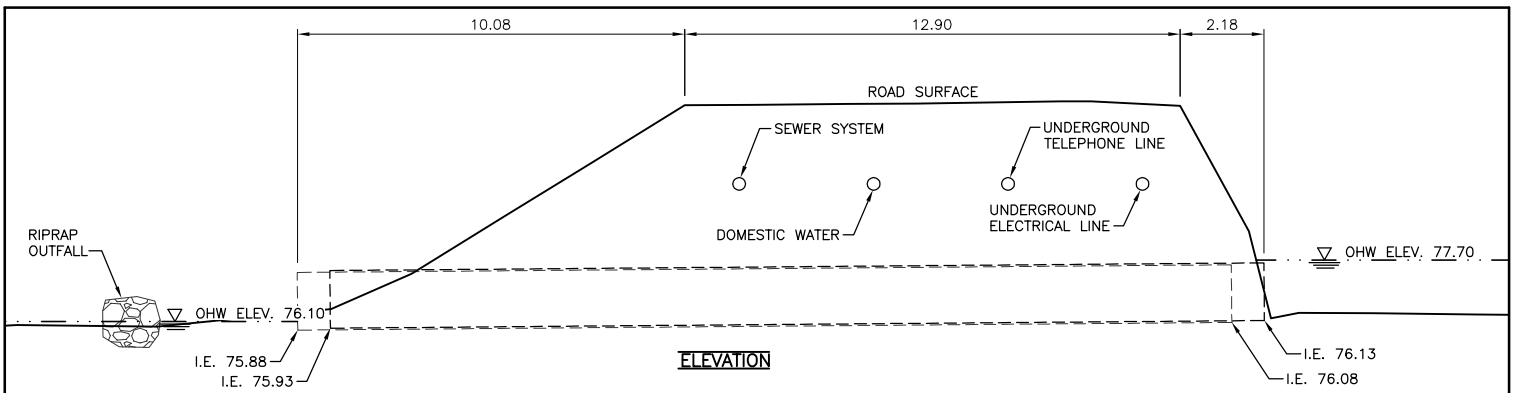
APPLICANT:
WASHINGTON DEPT. of FISH & WILDLIFE

SPOKANE HATCHERY
CULVERT REMOVAL & BRIDGE INSTALLATION
STREAM SECTIONS

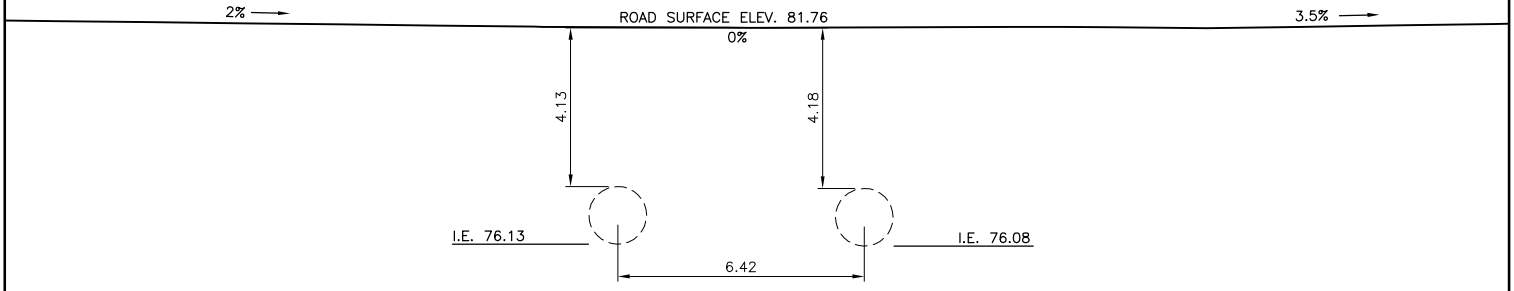
AT: SPOKANE , WASHINGTON

DATE: 2/10/2012 SHEET 5 OF 9

ENG. PROJECT NO. SE:H120:11-1



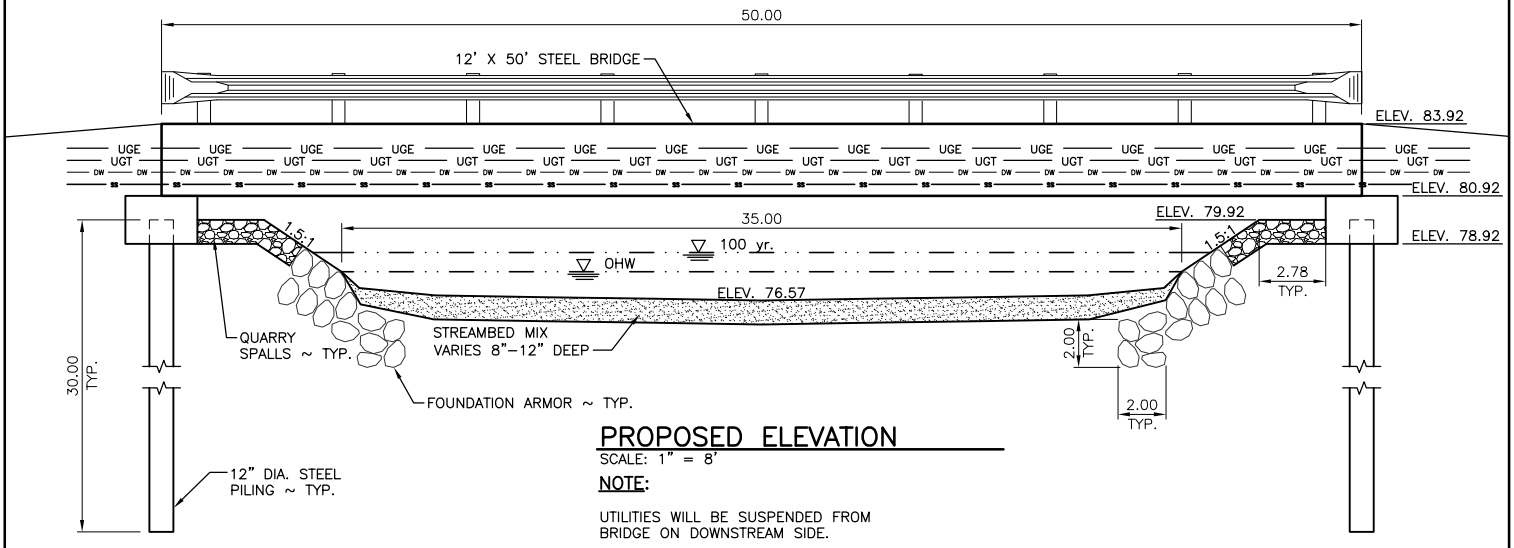
ELEVATION



END ELEVATION

EXISTING ELEVATION

SCALE: 1" = 5'



PROPOSED ELEVATION

SCALE: 1" = 8'

NOTE:

UTILITIES WILL BE SUSPENDED FROM BRIDGE ON DOWNSTREAM SIDE.

LEGEND

DOMESTIC WATER	DW
SEWER SYSTEM	SS
UNDERGROUND TELEPHONE	UGT
UNDERGROUND ELECTRIC	UGE

REFERENCE NO. _____

APPLICANT:
WASHINGTON DEPT. of FISH & WILDLIFE

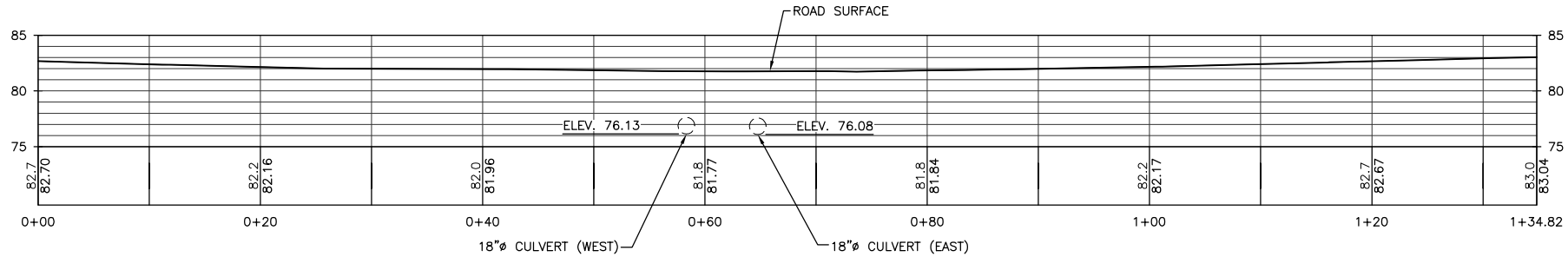
SPOKANE HATCHERY
CULVERT REMOVAL & BRIDGE INSTALLATION
EXISTING & PROPOSED ELEVATIONS

AT: SPOKANE , WASHINGTON

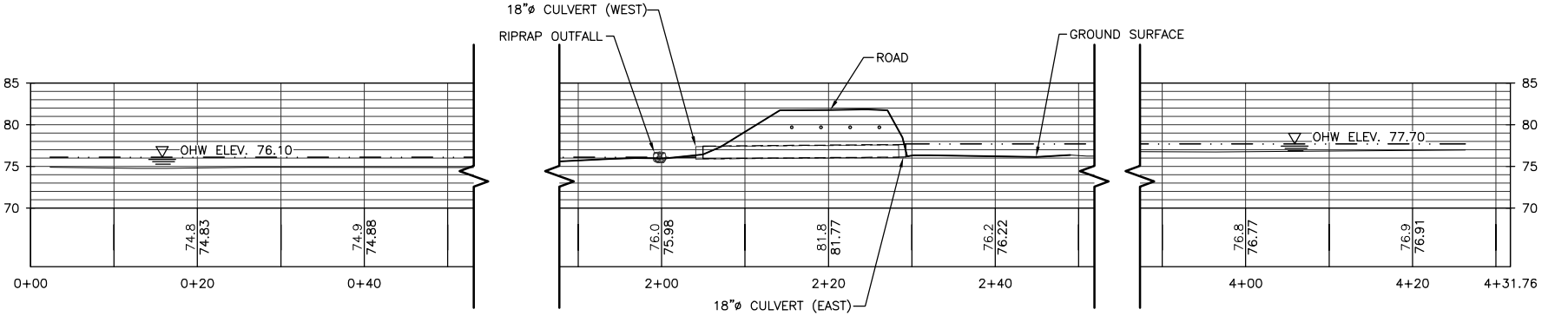
DATE: 2/10/2012 SHEET 6 OF 9

ENG. PROJECT NO. SE:H120:11–1

ENG. PROJECT NO. SE:H120:11-1



ROAD PROFILE
SCALE: 1" = 15'



STREAM PROFILE
SCALE: 1" = 25'

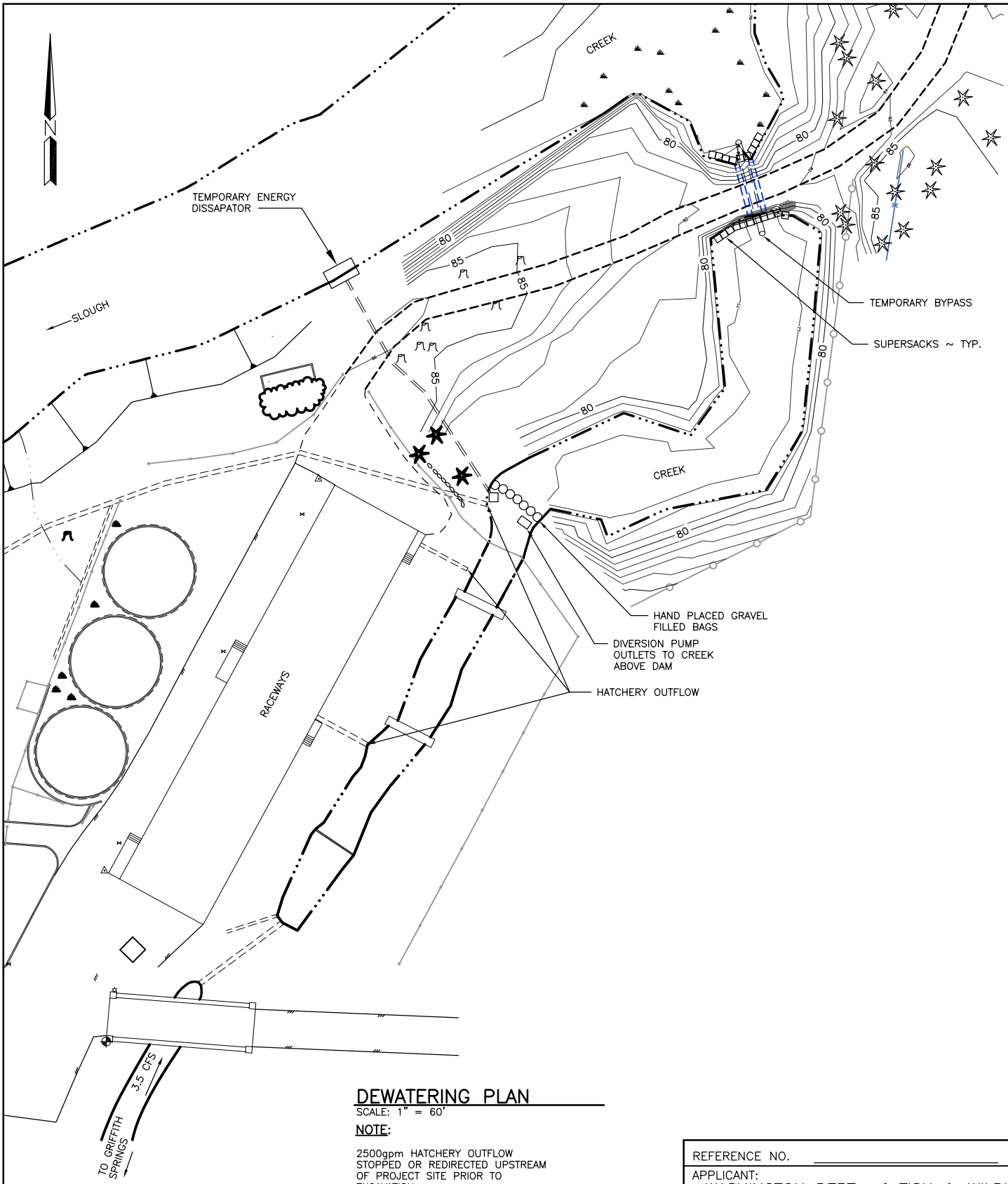
REFERENCE NO. _____

APPLICANT:
WASHINGTON DEPT. of FISH & WILDLIFE

SPOKANE HATCHERY
CULVERT REMOVAL & BRIDGE INSTALLATION
STREAM & ROAD PROFILE

AT: SPOKANE, WASHINGTON

DATE: 2/10/2012 SHEET 7 OF 9



DEWATERING PLAN

SCALE: 1" = 60'

NOTE:

2500gpm HATCHERY OUTFLOW STOPPED OR REDIRECTED UPSTREAM OF PROJECT SITE PRIOR TO EXCAVATION.

REFERENCE NO. _____

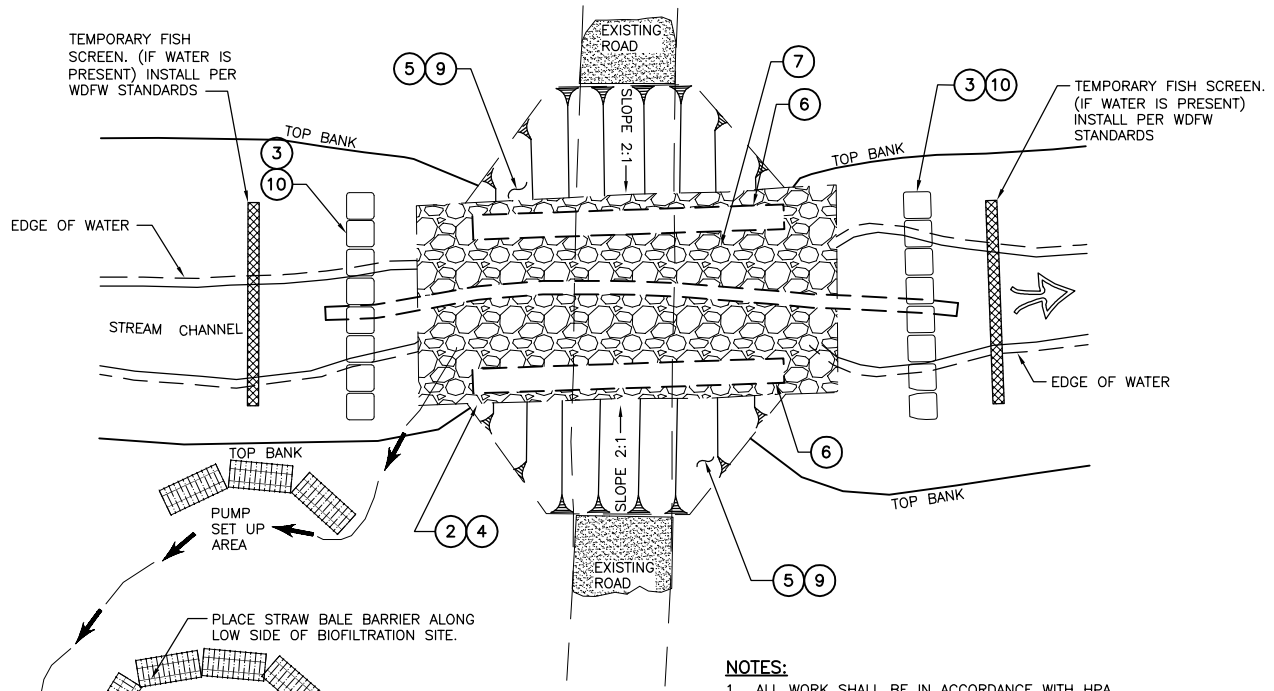
APPLICANT:
WASHINGTON DEPT. of FISH & WILDLIFE

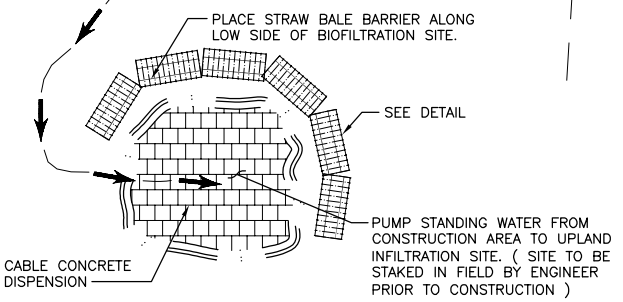
SPOKANE HATCHERY
CULVERT REMOVAL & BRIDGE INSTALLATION
DEWATERING PLAN

AT: SPOKANE , WASHINGTON

DATE: 2/10/2012 SHEET 8 OF 9

ENG. PROJECT NO. SE:H120:11–1

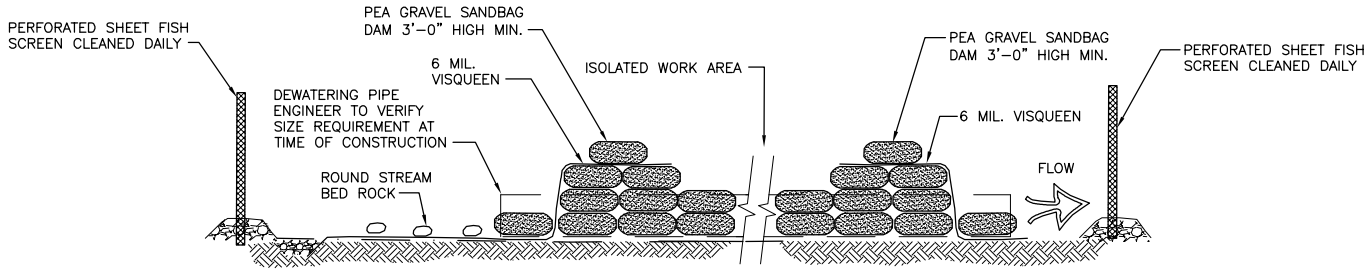




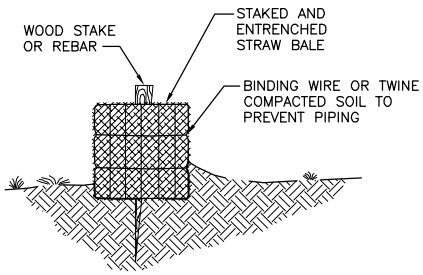
NOTES:

1. ALL WORK SHALL BE IN ACCORDANCE WITH HPA.
2. DURING CONSTRUCTION (IF WATER IS PRESENT) STREAM LOW SHALL BE DIVERTED THROUGH BYPASS PIPE. IF HIGH FLOW, (2) DIVERSION PIPES MAY BE NEEDED.
3. PLACE SUPERSACKS TO SEAL BYPASS INLET AND OUTLET
4. DIVERSION SHALL BE APPROVED BY INSPECTOR PRIOR TO REMOVING EXISTING CULVERTS.
5. EXCAVATE EXISTING FILL.
6. REMOVE EXISTING CULVERTS AND DISPOSE OF OFF SITE
7. PLACE NEW BED MATERIAL MIX AND REMOVE BYPASS PIPE.
8. CONSTRUCT TANK TRAPS (SEE DETAIL PLAN)
9. COVER ALL EXPOSED SOIL WITH STRAW MULCH AND GRASS SEED. (SEE SITE RESTORATION PLAN)
10. REMOVE DIVERSION BAGS AND FISH SCREENS BY HAND.

DEWATERING DETAIL
NOT TO SCALE



SECTION
NOT TO SCALE



DETAIL
NOT TO SCALE

NOTES:

BALES SHALL BE PLACED IN A SINGLE ROW, LENGTHWISE ON THE CONTOUR, WITH ENDS OF ADJACENT BALES TIGHTLY ABUTTING ONE ANOTHER.

THE BARRIER SHALL BE ENTRENCHED AND BACKFILLED. A TRENCH SHALL BE A MINIMUM OF 4 INCHES. BACKFILL SOIL SHALL CONFORM TO THE GROUND LEVEL ON THE DOWNHILL SIDE AND SHALL BE BUILT UP 4 INCHES AGAINST THE UPHILL SIDE OF THE BARRIER. EACH BALE SHALL BE SECURELY ANCHORED BY AT LEAST 2 STAKES OR REBAR DRIVEN THROUGH THE BALE.

THE GAP BETWEEN THE BALES SHALL BE CHINKED (FILLED BY WEDGING) WITH STRAW TO PREVENT WATER FROM ESCAPING BETWEEN THE BALES.

REFERENCE NO. _____

APPLICANT:
WASHINGTON DEPT. of FISH & WILDLIFE

SPOKANE HATCHERY
CULVERT REMOVAL & BRIDGE INSTALLATION
DEWATERING DETAILS & SECTION

AT: SPOKANE , WASHINGTON

DATE: 2/10/2012 SHEET 9 OF 9

ENG. PROJECT NO. SE:H120:11-1