

KEWISH WATER RIGHT
 1.055 CFS TO IRRIGATE 67.15 ACRES
 NO INTERRUPTION PRIOR TO AUGUST 15TH

APPROXIMATE PROPERTY LINES FROM JACKSON COUNTY GIS DEPARTMENT DOES NOT REPRESENT A LAND SURVEY

CONTROL NETWORK

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	331554.39	4212049.93	1185.80	set rdg
2	331430.11	4212156.30	1149.78	set rdg
3	331437.57	4212105.88	1154.31	set rdg

NOTE: INFORMATION IS NOT A LAND SURVEY AND IS PRIMARILY A TOPOGRAPHIC ANALYSIS FOR RESTORATION DESIGN PURPOSES
 COORDINATE SYSTEM: OREGON STATE PLANE SOUTH
 HORIZ DATUM: NAD83 (2011)
 VERT DATUM: NAVD88 (GEOID 12A)
 UNITS: U.S. SURVEY FEET

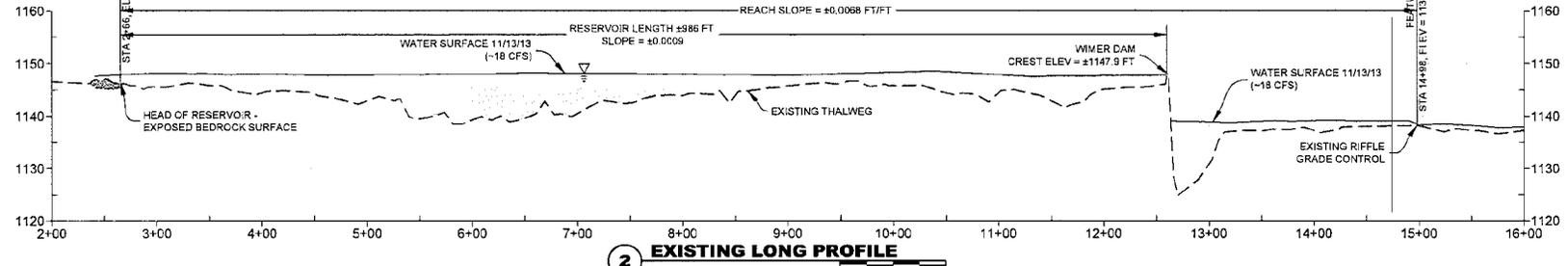
1 EXISTING SITE LAYOUT
 1" = 100'

STREAM REACH CHARACTERISTICS

DRAINAGE AREA	148 SQ MILES
AVERAGE REACH SLOPE	0.0135 FT/FT
ACTIVE CHANNEL WIDTH	25 - 35 FT
2-YEAR FLOW	6,290 cfs
10-YEAR FLOW	11,860 cfs
25-YEAR FLOW	14,350 cfs
50-YEAR FLOW	16,400 cfs
100-YEAR FLOW	16,400 cfs
IN WATER WORK PERIOD	JUNE 15TH - SEPT 15TH

ESTIMATED STORED SEDIMENT
 A PORTION OF THE SEDIMENT WITHIN THE RESERVOIR WILL MOBILIZE ONCE THE DAM IS REMOVED. THE EXISTING RIVER CHANNEL WIDTH RANGES BETWEEN 25 FT AND 35 FT. MOBILE SEDIMENT VOLUME IN THE RESERVOIR WAS DETERMINED BY ESTIMATING THE SLOPE OF THE RIVER AFTER DAM REMOVAL AND USING A TYPICAL CHANNEL SECTION THROUGH THE RESERVOIR AREA AT THE ESTIMATED SLOPE. THE MOBILE SEDIMENT VOLUME IS ESTIMATED AT 3,000 CUBIC YARDS.

WIMER DAM CHARACTERISTICS
 CONCRETE BUTTRESS CONSTRUCTION
 - LENGTH OF CREST ~93 FT
 - HEIGHT OF DAM 18 FT - 23 FT
 - CONCRETE VOLUME ~400 CY



2 EXISTING LONG PROFILE
 HORIZ 1" = 100'
 VERT 1" = 20'

ISSUED FOR PERMITS

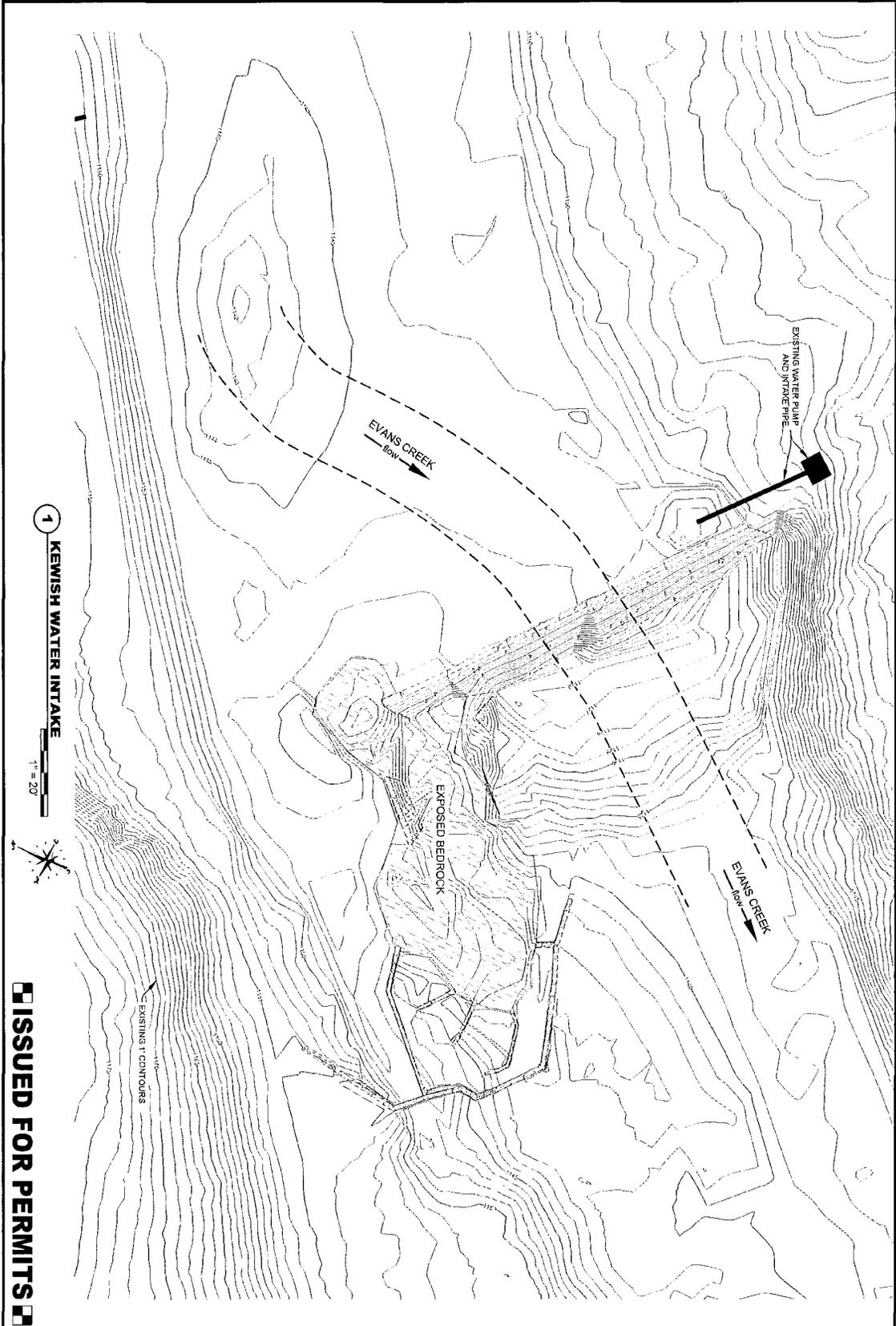


EXISTING SITE LAYOUT
 DECONSTRUCTION, FISH PASSAGE, AND RESTORATION
 EVANS CREEK - WIMER, OREGON

NO.	DATE	BY	DESCRIPTION	CHKD
1	10/11/14	RB	ISSUED FOR PERMITS - SW	SW

PROJECT NUMBER: RDG-13-092
 DRAWING NUMBER: 2.0
 Drawing 2 of 17

C:\p29\2911_21am\1\CAD>Data\2013\RDG-13-693\1\mer Dam Removal.dwg (1/29/13 11:21am)



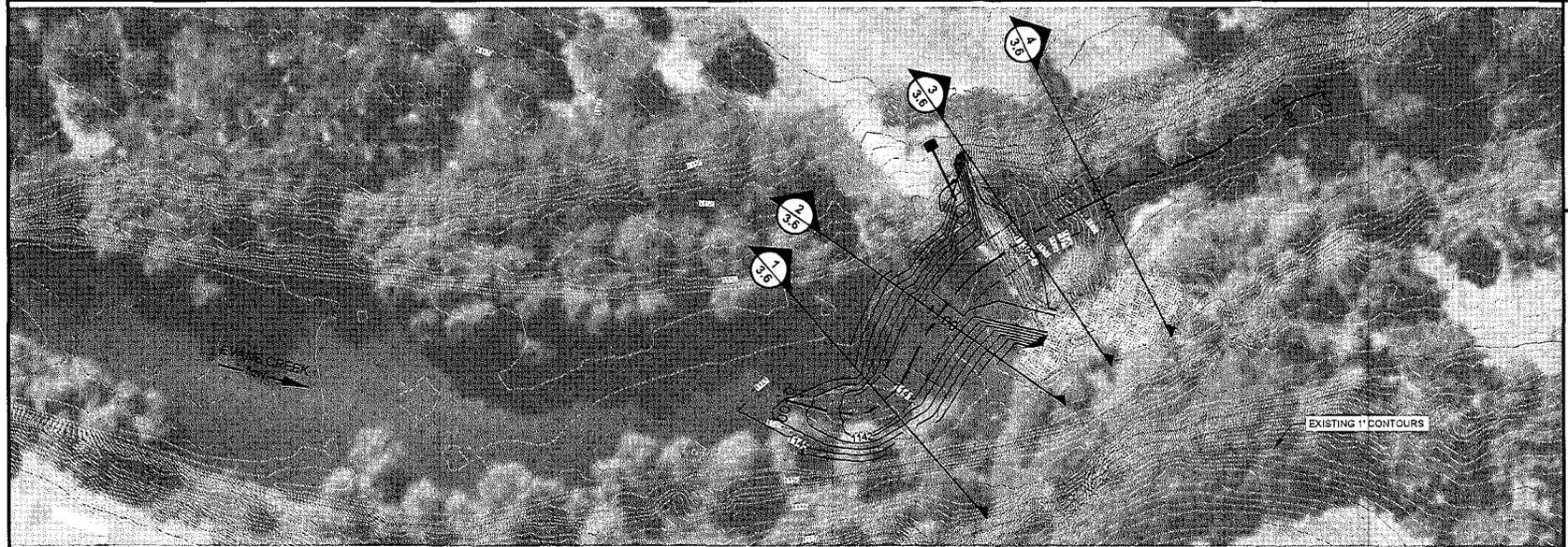
ISSUED FOR PERMITS

NO.	DATE	BY	DESCRIPTION	CHK
1	10/31/14	RB	ISSUED FOR PERMITS	SW

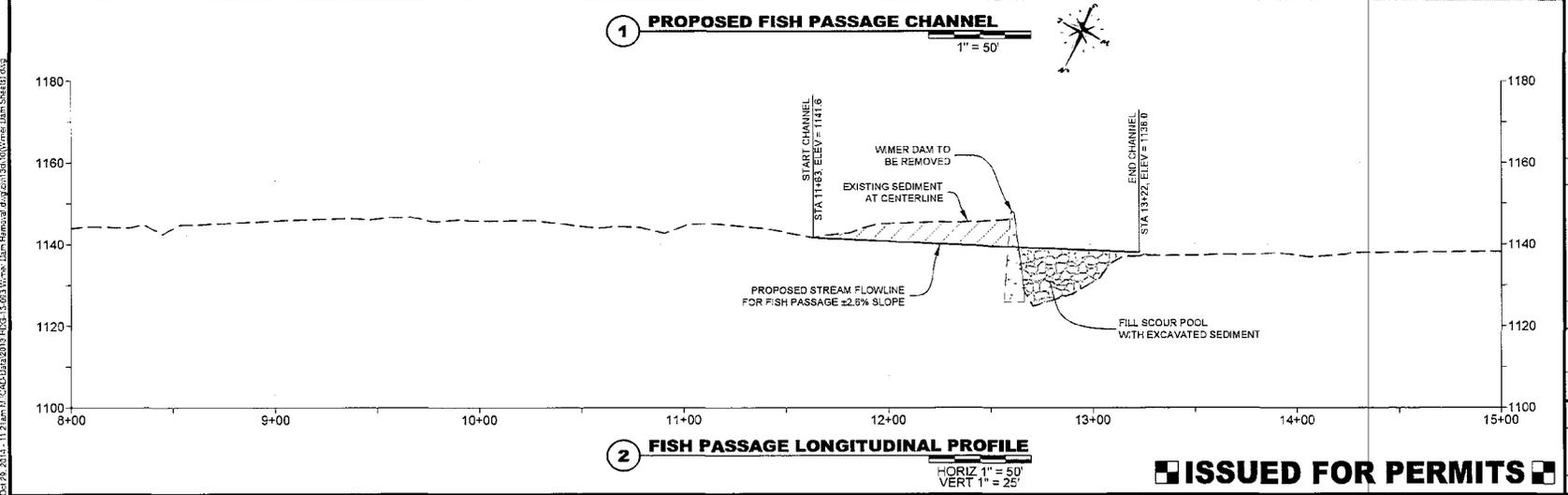
PROJECT NUMBER: PDC-13-082
DRAWING NUMBER: 3.4
Drawing 8 of 17

DIVERSION INTAKE RELOCATION
DECONSTRUCTION, FISH PASSAGE, AND RESTORATION
EVANS CREEK - WMER, OREGON

RIVER DESIGN GROUP, INC.
236 Wisconsin Avenue Whitefish, MT 59937 406.862.4927
311 SW Jefferson Avenue Corvallis, OR 97333 541.738.2920



1 PROPOSED FISH PASSAGE CHANNEL
1" = 50'



ISSUED FOR PERMITS



PROPOSED FISH PASSAGE CHANNEL
DECONSTRUCTION, FISH PASSAGE, AND RESTORATION
EVANS CREEK - WIMER, OREGON

NO.	DATE	BY	DESCRIPTION	CHK
1	10/23/14	RE	ISSUED FOR PERMITS	SW

PROJECT NUMBER
RDG-13-482

DRAWING NUMBER
3.5

Drawing 9 of 17