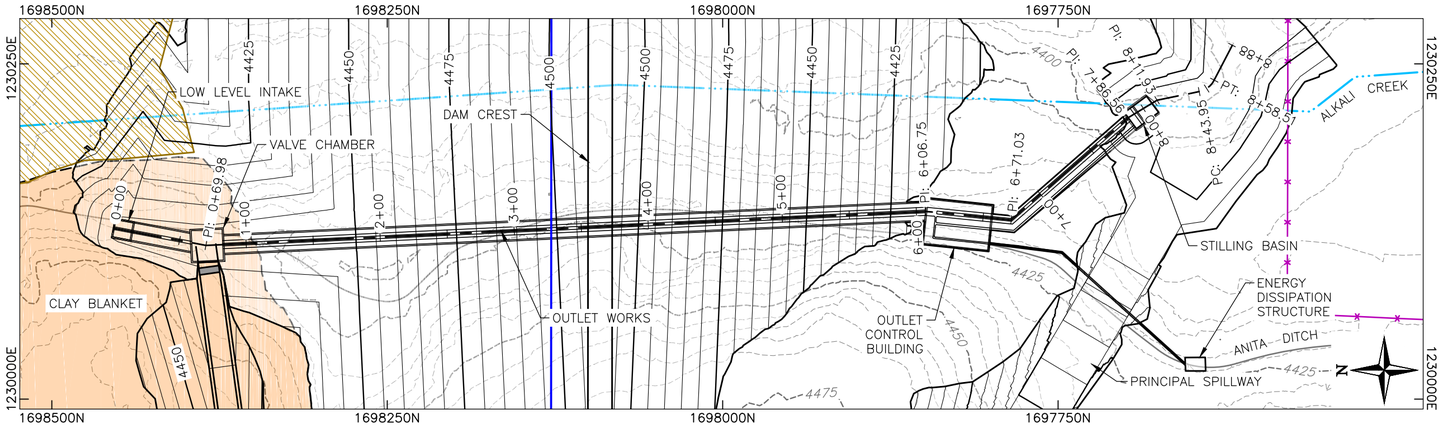


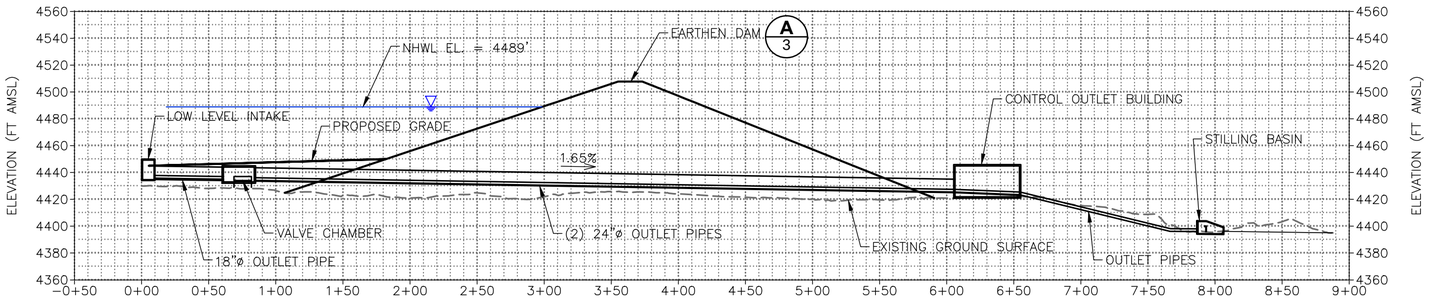
Source Note: Existing Surface Topography provided by Fugro EarthData, Inc., 2013

1 OUTLET WORKS
SCALE: 1" = 80'

0 80' 160'

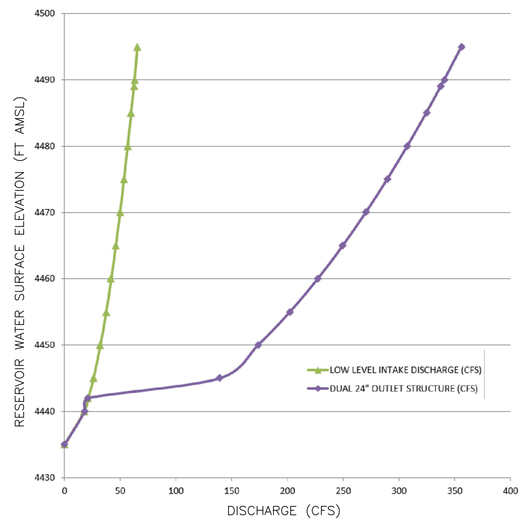
WATER SURFACE ELEVATION (FT.)	LOW LEVEL INTAKE DISCHARGE (CFS)	DUAL 24" OUTLET STRUCTURE (CFS)
4495	65.47	355.99
4490	62.65	340.57
4489	62.07	337.41
4485	59.69	324.42
4480	56.58	307.43
4475	53.29	289.43
4470	49.79	270.24
4465	46.00	249.58
4460	41.88	227.05
4455	37.32	202.02
4450	32.11	173.41
4445	25.87	139.04
4442	21.26	21.26
4440	17.53	17.53
4435	0.00	0.00

3 OUTLET DISCHARGE TABLE

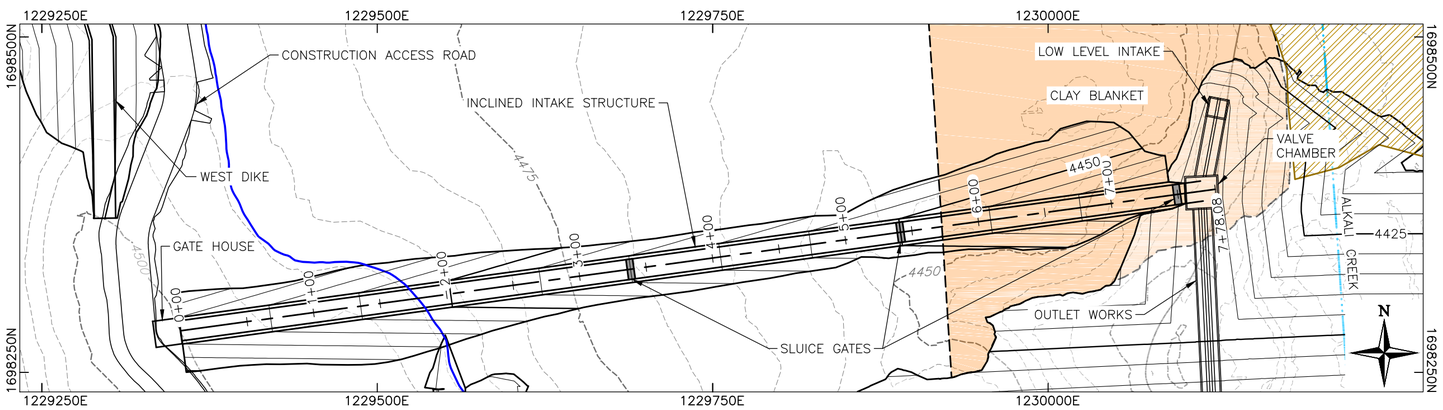


A OUTLET WORKS PROFILE
SCALE: 1" = 80'

0 80' 160'



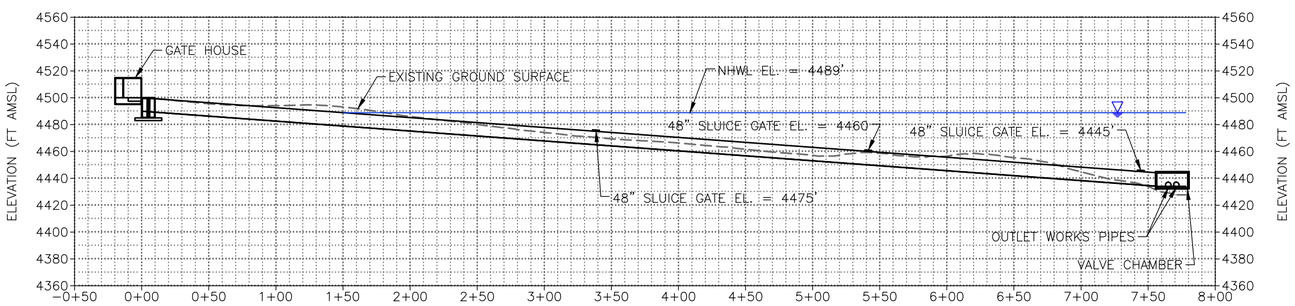
4 OUTLET WORKS RATING CURVE



Source Note: Existing Surface Topography provided by Fugro EarthData, Inc., 2013

2 INCLINED INTAKE STRUCTURE
SCALE: 1" = 80'

0 80' 160'



B INCLINED INTAKE STRUCTURE PROFILE
SCALE: 1" = 80'

0 80' 160'

NOTE:

THE PROPOSED CONTOURS SHOWN FOR THE INTAKE STRUCTURE ILLUSTRATE THE EXCAVATION REQUIRED TO INSTALL THE STRUCTURE AND NOT THE FINAL GRADE. THE FINAL GRADE IS REPRESENTED BY THE TOP OF THE STRUCTURE SHOWN ON THE PROFILE.

DRAFT NOT FOR CONSTRUCTION

REV.	DATE	DESCRIPTION	BY	CHK'D
C	2/2/17	BLM POD SUBMITTAL	PC	DRT
B	12/31/15	FINAL LEVEL II PHASE II REPORT	PC	DRT
A	7/14/15	DRAFT LEVEL II PHASE II REPORT	PC	DRT

REVISIONS

WARNING
IF THIS BAR DOES NOT MEASURE 1" IN LENGTH THEN DRAWING IS NOT AT INTENDED SCALE

DRAWN BY: PC
CHECKED BY: DRT
DATE: 2/2/2017
SCALE: AS SHOWN
FILE: 06N-AC-SPWAY-PG201505

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OUTLET WORKS
ALKALI CREEK RESERVOIR

NOWOOD RIVER STORAGE LEVEL II, PHASE II STUDY
WYOMING WATER DEVELOPMENT COMMISSION
BIG HORN COUNTY, WYOMING