TO: BOARD OF ADA COUNTY COMMISSIONERS

HEARING DATE: May 7, 2014

STAFF: Diana Sanders, Associate Planner

PROJECT NO.: 201400202 CU-MSP-ZC-DA-HD-FP

APPLICANT: Idaho Power

AGENT: Allison Murray

INTRODUCTION

This is an application for a rezone and development agreement to remove a portion of the property from the Wildland Urban Fire Interface Overlay District; a conditional use/master site plan for recreational facilities such as a boat ramp, camping and improvements to the existing park; hillside development and floodplain applications to address improvements in the hillside and floodplain areas along the Snake River.

EXECUTIVE SUMMARY

The Swan Falls Project is a Federal Energy Regulatory Commission (FERC) jurisdictional generation facility. Pursuant to the Federal Power Act, FERC issued Idaho Power Company (IPC) a 30-year license to operate the project on September 28, 2012. The license mandates a series of recreational improvements and environmental mitigation measures IPC developed collaboratively with federal and state agencies, as well as other nongovernmental organizations during its relicensing and license-implementation process.

The Swan Falls Project is located approximately 35 miles south of Boise, Idaho, on the Snake River in Ada and Owyhee counties. The project boundary encloses 1,593 acres of land and water, of which approximately 186 acres are federal lands managed by the Bureau of Land Management (BLM).

The development of these proposed enhancements is the culmination of a multi-year consultation and planning process IPC undertook during the FERC relicensing process. IPC's proposed projects will not only provide value for local recreators who use the area, but will also promote a safer and more accessible recreation experience for residents throughout Ada County. Habitat-enhancement measures included as part of IPC's proposal will also promote a more natural, stable environment that will provide improved wildlife habitat, water quality, and cultural resource protection.

In order to achieve these recreational improvements, the portion of the property indicating campsites will need to be taken out of the Wildland-Urban Fire Interface Overlay District.

In the event of a disturbance or fire, IPC staff first assesses and/or mediate the situation. As needed, IPC staff subsequently contacts the Idaho State Police and local (Kuna) or federal (BLM) fire departments for assistance. The property is located next to the Snake River and on the northern side of the property there are rock cliffs that would contain a fire to the north and south. The property to the west is BLM property that allows for camping. The western portion of the property has irrigation and homes for the IPC staff. The homes are surrounded by grass and have a circular access around the homes. There is currently a minimum of fifty (50) foot defensible spaces which will remain around the homes.

The Swan Falls Project has been in operation since 1909. Generation, operations, and recreation facilities have been modified several times. Current project facilities include the following:

- A 1,218-foot-long, 88-foot-high concrete gravity and rock-fill dam
- A 12-mile-long, 1,525-acre reservoir with a normal maximum water-surface elevation of 2,314 feet
- Swan Falls Park, located along the northeast bank of the reservoir just upstream of the dam (includes a historical boarding house, restroom facility, picnic tables, and safety and informational signage)
- Swan Falls reservoir boat ramp, located on the northeast bank of the reservoir about 0.25 miles upstream of the dam
- Swan Falls downstream boat launch, located on the northeast bank of the tailwater just downstream of the dam
- Swan Falls powerhouse museum, located within the old powerhouse between the center island and the intermediate dam
- A canoe portage trail located on the southwest bank adjacent to the dam is also a project recreation site but is not included within the current project boundary
- An equipment yard, storage structure, and a yard for trashrack debris
- Five IPC-owned houses

Human use of the Swan Falls area has impacted riparian and upland habitats as well as cultural resource sites. IPC's recreation development and habitat-enhancement projects were specifically designed to address areas of significant impacts resulting from unfocused and unrestricted recreational activities. Such recreational activities include camping, building multiple fire rings, building pallet fires, littering, and vandalism, painting graffiti, using paint ball guns, using motorized vehicles, and using off-road vehicles (ORV). These activities increase the number of de-vegetated areas as well as user-defined roads not necessary for legitimate access needs. As a result, there are significant impacts to the landform in general, and more specifically to botanical

and cultural resources. While closing the affected areas to any and all access might appear the ideal solution, IPC is also under a Federal Energy Regulatory Commission (FERC) ordered obligation to make company lands available to public access and recreation in a way similar to what might be available if the hydro project did not exist. Accordingly, the various recreation development projects were designed to focus unavoidable recreation impacts to restricted and hardened areas.

Similarly, the habitat-enhancement projects seek to rehabilitate areas previously impacted by vehicular travel and recreation activities and limit future impacts by blocking access to the affected areas. The recreation and habitat improvements will also yield a net positive effect on the site condition and lessen the potential for continuing negative cultural resource effects. Reducing the recreation-induced impacts to these resources will only be successful if IPC is able to provide attractive alternatives to the recreating public.

Proposed actions will also directly benefit upland and riparian species that depend on the habitat affected by human use and access, including special-status species (SSP). The expansion of the impromptu road system, both upstream and downstream of Swan Falls Dam on IPC-owned lands (IPC lands), has impacted soil resources and caused significant soil erosion, potentially affecting water quality. Furthermore, the existence of an ever-extending road system impacts the visual quality of the area. Designated recreation site delineation, restriction of vehicular traffic to designated areas, decommissioning of impromptu trails, and revegetation efforts will protect and enhance upland habitat and habitat dependent species, minimize soil erosion, enhance visual values, enhance recreational enjoyment of the area, and improve water quality and aquatic resources.

Swan Falls Park is a popular public day-use facility located just upstream of the dam. Certain enhancements will improve public safety, provide other recreational opportunities, and enhance visitor experience in large group settings. Existing amenities at this site include restrooms, benches, picnic tables, an interpretive display, and day-use parking. The park grass is manicured, and large trees provide shade.

IPC proposes repairing the park's shoreline by rebuilding the existing retaining wall comprised of historic blocks salvaged from the original powerhouse, installing additional rip rap, adding a new dock system with gangway, building 1 group picnic shelter, adding day-use parking, enhancing landscaping with new trees, installing interpretive displays, and providing 4 additional picnic tables near the waterfront. The tables, shelter, and docks will be accessible under ADA guidelines and connected with accessible routes.

IPC proposes for the Swan Falls Reservoir boat ramp to install a new vault toilet, enlarge and define the parking area for vehicles and trailers, provide a parking space designated for 1 average-sized school bus, and designate a staging area for boats. IPC will also widen and steepen the concrete boat ramp. Associated boarding floats will be replaced.

The Swan Falls downstream boat launch needs basic upgrades to effectively launch and retrieve boats and to provide enhanced parking for vehicles and trailers.

Some of the improvements extend into the floodplain and floodway. The improvements are minimal and consist of quasi open space type recreation facilities such as boat ramps and fire pit

rings. The improvements are mostly upgrades to the existing facilities already located on the site. A No-Rise Certification has been submitted. The applicant has been working with the Army Corp of Engineers along the Snake River.

Several existing impromptu or dispersed sites provide access to the reservoir and river within the project vicinity. The Swan Falls area visitor use has impacted some upland and riparian habitats located within these sites. IPC proposes to further define and improve 6 of these recreation sites (many include numerous campsites per recreation site) to enhance visitor experiences while limiting wildlife, cultural resources, and vegetation affects.

IPC has resident staff dedicated to the oversight and maintenance of all recreation sites. Staff maintains the park and patrol dispersed sites regularly. While trash receptacles are provided in multiple locations, IPC staff also removes refuse from all IPC lands as needed.

The applicant has proposed the use of crushed gravel as an alternative surface rather than asphalt. The County Engineer approved the alternate surface in a memo dated March 3, 2014 stating that due to the rural setting and uses proposed the surface is acceptable.

RECOMMENDATION

Based upon Staff's review of the application, staff concludes that this application complies with the Ada County Code and recommends approval to the Commission as set out in the proposed Findings of Fact and Conclusions of Law attached hereto. Ada County Planning & Zoning are recommending approval of the application with the conditions of approval.

The Commission should consider the evidence and testimony presented during the public hearing prior to rendering its decision concerning this application.

EXHIBIT LIST – PROJECT NO.: 201400202 CU-MSP-ZC-DA-HD-FP

Exhibits 3 & 23 are only viewable via links by clicking below

1	Master Application and Checklists (13 pages)
2	Applicant's Letter of Intent (12 pages)
3	Site Plan Part 1 (pages 1-49) Site Plan Part 2 (pages 50-76)
4	Construction Schedule (1 page)
5	Soil map (1 page)
6	Contour map (1page)
7	Vegetation map (4 pages)
8	Hillside report (7 pages)
9	Geotech Report (22 pages)

10 Visual Guidelines (16 pages)

11 Floodplain drawings and No-rise Certification (4 pages)

12 404 Permit (42 pages)

13 WUFI rezone map (3 pages)

14 Draft Development Agreement (13 pages)

15 Idaho Department of Fish and Game letter dated November 1, 2013 (1 page)

16 Comment received from Ada County Building Official on February 24, 2014 (1 page)

17 Comment received from Central District Health Department on February 28, 2014 (1 page)

18 Comment received from U.S. Army Corps of Engineers on March 5, 2014 (1 page)

19 Comment received from Ada County Engineer on March 3, 2014 (2 pages)

20 Comment received from Ada County Historic Preservation Council on March 18, 2014 (1 page)

21 Email from Fred Noland, Idaho Power, received on March 12, 2014, explaining existing and proposed parking spaces (1 page)

22 Sign Posting Certification received March 28, 2014. (3 pages)

23 Idaho Power presentation at the P&Z Commission hearing on April 10, 2014. (13 pages)

24 Sign Posting Certification received April 21, 2014. (3 pages)

MASTER APPLICATION/PETITION REQUEST

ADA COUNTY DEVELOPMENT SERVICES
200 W. Front Street, Boise, Idaho 83702. www.adaweb.net phone: (208) 287-7900 fax: (208) 287-7909

TYPE OF ADMINISTRATIVE APPLICATION:

- ☐ ACCESSORY USE*
- ☐ FARM DEVELOPMENT RIGHT
- ☑ FLOODPLAIN PERMIT
- ☑ HILLSIDE DEVELOPMENT*
- ☐ HIDDEN SPRINGS ADMINISTRATIVE
- ☐ HIDDEN SPRINGS SPECIAL EVENT
- ☐ LIGHTING PLAN
- ☐ LANDSCAPE PLAN
- ☐ DRAINAGE PLAN
- ☑ MASTER SITE PLAN*
- ☐ EXPANSION NONCONFORMING USE
- ☐ ONE TIME DIVISION
- ☐ PRIVATE ROAD
- ☐ PROPERTY BOUNDARY ADJUSTMENT
- ☐ PLANNED UNIT DEVELOPMENT (PUD)
- ☐ SIGN PLAN
- ☐ TEMPORARY USE*

TYPE OF HEARING LEVEL APPLICATION:

- ☑ CONDITIONAL USE
- ☑ DEVELOPMENT AGREEMENT
- ☐ SUBDIVISION, PRELIMINARY*
- ☐ PLANNED COMMUNITIES*
- ☐ SUBDIVISION, SKETCH PLAT*
- ☐ VACATION
- ☐ VARIANCE
- ☑ ZONING MAP AMENDMENT
- ☐ ZONING TEXT AMENDMENT

TYPE OF HEARING LEVEL PETITION:

- ☐ COMPREHENSIVE PLAN MAP OR TEXT AMENDMENT PETITION CHECKLIST

TYPE OF ADDENDA:

- ☐ APPEAL
- ☐ ADMINISTRATIVE MODIFICATION
- ☐ DEVELOPMENT AGREEMENT MODIFICATION
- ☐ FINAL PLAT
- ☐ TIME EXTENSION

REQUIRED SUBMITTALS:

- ☐ CHECKLIST for applicable application(s). If multiple applications, do not duplicate submittals.
- ☐ *SUPPLEMENTAL WORKSHEET REQUIRED

SITE INFORMATION:

Section: 7, 19, A, 30, 31, 12 Township: 2S Range: 1E 1W Total Acres: 674.02

Subdivision Name: _____ Lot: _____ Block: _____

Site Address: S Swan Falls Rd. City Kuna

Tax Parcel Number(s): S3107320000, S3119130000 S3118311000, S3212130000

Existing Zoning: RP Proposed Zoning: _____ Area of City Impact: ✓ Overlay District(s) Hillside WUFI FP

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OFFICE USE ONLY

Project #.: 201400202-FP-HD-MSP-CUP-ZC	Planning Fees/GIS:	Engineering Fees:
Received By: BSP Date: 2-7-14 Stamped ☑		

EXHIBIT 1
Page 1 of 13
201400202 CU-MSP-ZC-DA-HD-F

APPLICANT/AGENT: (Please print)	ADDITIONAL CONTACT if applicable: (Please Print)
Name: Idaho Power Company	Name:
Address: 1221 N. Idaho St City: Boise State: ID Zip: 83702	Address: City: State: Zip:
Telephone: 388 2418 Fax: Email: amurray@idahopower.com	Telephone: Fax: Email:
I certify this information is correct to the best of my knowledge. Allison Murray Signature: (Applicant) Date	ENGINEER / SURVEYOR if applicable: (Please Print) Name: Address: City: State: Zip: Telephone: Fax: Email:

OWNER (S) OF RECORD: (Please Print)	OWNER (S) OF RECORD: (Please Print)
Name: Idaho Power Company	Name:
Address: 1221 W Idaho Street	Address:
City: Boise State: ID Zip: 83702	City: State: Zip:
Telephone: 388-2922 Fax: 388(208) 433-2837 Email: crandolph@idahopower.com	Telephone: Fax: Email:
I consent to this application, I certify this information is correct, and allow Development Services staff to enter the property for related site inspections. I agree to indemnify, defend and hold Ada County and its employees harmless from any claim or liability resulting from any dispute as to the statements contained in this application or as to the ownership of the property, which is the subject of the application. Chris Randolph 02-06-14 Signature: All Owner (s) of Record Date	I consent to this application, I certify this information is correct, and allow Development Services staff to enter the property for related site inspections. I agree to indemnify, defend and hold Ada County and its employees harmless from any claim or liability resulting from any dispute as to the statements contained in this application or as to the ownership of the property, which is the subject of the application. Signature: All Owner (s) of Record Date

ALL OWNER(S) OF RECORD (ON THE CURRENT DEED) MUST SIGN (Additional Sheets are Available Online)

If the property owner(s) are a business entity, please include business entity documents, including those that indicate the person(s) who are eligible to sign documents.

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CONDITIONAL USE CHECKLIST

A Conditional Use request requires a public hearing.

GENERAL INFORMATION:

Applicant	DESCRIPTION		Staff
	One paper copies and one electronic copy of all required submittals.		
	Completed and signed Master Application		
	DETAILED LETTER by the applicant fully describing the request or project and addressing the following:		
		Explain the proposed use, and all uses associated with the request.	
		Any other supporting information.	
		Address the standards in **ACC 8-5-3** for proposed use(s):	
		Days of use:	
		Hours of use:	
		Duration of use(s):	
	MASTER SITE PLAN (If required)		
	NEIGHBORHOOD MEETING CERTIFICATION		✓
	PRE-APPLICATION CONFERENCE NOTES		✓
	SITE PLAN is not required if associated with a MSP.		
		Show existing and proposed structures.	
		Submit one electronic copy, one full sized plan and one 8 1/2"X 11" plan.	
	DEED (or evidence of proprietary interest)		
	OVERLAY DISTRICT: May require a separate checklist or additional information for the following:		
		HILLSIDE (ACC 8-3H)	
		FLOOD HAZARD (ACC 8-3F)	
		WILDLAND-URBAN FIRE INTERFACE (ACC 8-3B)	
		SOUTHWEST PLANNING AREA (ACC 8-3C)	
		PLANNED UNIT DEVELOPMENT (ACC 8-3D)	
		BOISE RIVER GREENWAY (ACC 8-3G)	
		BOISE AIR TERMINAL AIRPORT INFLUENCE AREAS (ACC 8-3A)	
	MUST COMPLY WITH SIGN POSTING REGULATIONS (ACC 8-7A-5)		
	APPLICATION FEE: Call County or go to www.adaweb.net for fees		

Supplementary information at the discretion of the Director or County Engineer may be required to sufficiently detail the proposed development within any special development area, including but not limited to hillside, planned unit development, floodplain, southwest, WUFI, Boise River Greenway, airport influence, and/or hazardous or unique areas of development.

Application will not be accepted unless all applicable items on the form are submitted. This application shall not be considered complete until staff has received all required information.

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MASTER SITE PLAN CHECKLIST (ACC 8-4D)

A Master Site Plan request does not require a public hearing. It is a staff level application, as long as it is not associated with a conditional use.

GENERAL INFORMATION:

Applicant	DESCRIPTION	Staff
	One paper copy and one electronic copy of all required submittals.	✓
	Completed and signed Master Application.	✓
	Completed Supplemental Information.	✓
	DETAILED LETTER by the applicant fully describing the request or project and address the information on supplemental sheet;	✓
	DEED or evidence of proprietary interest.	✓
	IDAHO DEPARTMENT OF FISH AND GAME LETTER.	✓
	FULL SIZE SCALED PLOT PLAN, showing all existing and proposed easements, property lines, and structures drawn to scale, including one electronic copy and one copy reduced to 81/2 X 11. (Address required information on supplemental sheet)	✓
	FULL SIZE NATURAL FEATURES ANALYSIS ACC 8-4E-4D, including one electronic copy and one copy reduced to 8 1/2 X 11. (Address required information on supplemental sheet)	✓
	LANDSCAPING (ACC 8-4F) (Address required information on supplemental sheet) **One electronic copy, one full size, and one 81/2X11 copy.**	✓
	Drawn by a landscape professional. (within an area of impact)	N/A.
	OFF STREET PARKING & LOADING FACILITIES (ACC 8-4G) (Address required information on supplemental sheet)	✓
	LIGHTING (ACC 8-4H) (Address required information on supplemental sheet)	N/A
	SIGN PLAN (ACC 8-4I)	N/A.
	Indicate all proposed and existing signs.	
	NATURAL FEATURES ANALYSIS (ACC 8-4E-4D) see supplemental info.	✓
	OVERLAY DISTRICT: May require a separate checklist or additional information for the following:	
	HILLSIDE DEVELOPMENT (ACC 8-3H)	
	FLOOD HAZARD (ACC 8-3F)	
	WILDLAND-URBAN FIRE INTERFACE (ACC 8-3B)	
	SOUTHWEST PLANNING AREA (ACC 8-3C)	
	PLANNED UNIT DEVELOPMENT (ACC 8-3D)	
	BOISE RIVER GREENWAY (ACC 8-3G)	
	BOISE AIR TERMINAL AIRPORT INFLUENCE AREAS (ACC 8-3A)	
	APPLICATION FEE: Call County or go to www.adaweb.net for fees	

Supplementary information at the discretion of the Director or County Engineer may be required to sufficiently detail the proposed development within any special development area, including but not limited to hillside, planned unit development, floodplain, southwest, WUFI, Boise River Greenway, airport influence, and/or hazardous or unique areas of development.

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MSP SUPPLEMENTAL INFORMATION (to be completed by the applicant)		
DETAILED LETTER MUST ADDRESS THE FOLLOWING (If applicable)		
	Proposed use (s):	
	Is the project associated with a Conditional Use YES ( ) NO ( )	
	Conditional Use #	
	Area of city impact:	
	Is this application a modification of an approved master site plan? Original MSP #	
	Is this application a change or expansion of an approved master site plan? Original MSP #	
	Total square feet of all proposed structures:	
	Hours of operation:	
	Days of operation:	
	Required parking:	
	Required bicycle parking:	
	Required ADA parking:	
	Number of employees during the largest shift:	
	Maximum number of patrons expected:	
	Outdoor speaker system YES ( ) NO ( )	
	Proposed Sewer:	
	Proposed Water:	
	Pressurized Irrigation YES ( ) NO ( )	
	Multifamily structures shall have varied setbacks within the same structure and staggered and/or reversed unit plans. Structures within a multi-family development shall be rotated, staggered, and/or reversed.	
	Explain if the utilities are underground or if screening is provided.	
SITE PLAN		
	Structure location.	
	Pedestrian access and circulation.	
	Building elevations.	
	Well locations.	
	Drain fields.	
	Hydrant location, fire department access, fire flow resources, etc.	
	Pressurized Irrigation if required.	
	Parking plan. (required) ACC 8-4G	
	ADA parking identified.	
	Automobile access and circulation.	
	Lighting plan. (condition of approval) ACC 8-4H	
	Sign Plan. (If proposed, condition of approval) ACC 8-4I	
LANDSCAPING (If applicable)		
	Location, size, type, 75% maturity	
	Vegetation to be saved YES ( ) NO ( )	
	Phased project YES ( ) NO ( )	
	Verification that standards are met.	
	Fences over 100' YES ( ) NO ( )	
	Size at planting:	
	Flood Hazard Overlay YES ( ) NO ( )	
	Sound walls YES ( ) NO ( )	

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	Outdoor speakers YES ( ) NO ( )		
	Perimeter Landscaping & Screening		
		Required landscape points:	
		Minimum landscape width:	
	Parking Area Landscaping & Screening		
		% of Shading required:	
		Screening YES ( ) NO ( )	
		Pedestrian access required YES ( ) NO ( )	
PARKING			
	Identify all off street parking and loading.		
	Phased project YES ( ) NO ( )		
	Restrictions on use YES ( ) NO ( )		
	Within 300' of the entrance: YES ( ) NO ( )		
	Joint Parking Agreement (Submitt copy) YES ( ) NO ( )		
	Identify width, angle, and depth of parking spaces.		
	Address Bicycle Parking.		
	List the number of required spaces for cars, bikes:		
	List the number of off street loading spaces:		
	List dimensionsof off street loading spaces:		
	Detailed description of proposed paving materials.		
LIGHTING (If applicable)			
	Setbacks of the proposed lights:		
	Maximum Height:		
	Floodlights YES ( ) NO ( )		
	Shielding YES ( ) NO ( )		
NATURAL FEATURES ANALYSIS			
	HYDROLOGY. ACC 8-4E-4D1		
	SOILS ACC 8-4E-4D2		
	TOPOGRAPHY ACC 8-4E-4D3		
	VEGETATION ACC 8-4E-4D4		
	SENSITIVE PLANT AND WILDLIFE SPECIES ACC 8-4E-4D5		
	HISTORIC RESOURCES ACC 9-4E-4D6		
	HAZARDOUS AREAS ACC 8-4E-4D7		
	IMPACT ON NATURAL FEATURES ACC 8-4E-4D8		

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ZONING ORDINANCE MAP AMENDMENT CHECKLIST (ACC 8-7-3)

Zoning Ordinance Map Amendment request require a public hearing.

GENERAL INFORMATION:

Applicant	DESCRIPTION	Staff
	One paper copy and one electronic copy of all required submittals.	
	Completed and signed Master Application	
	DETAILED LETTER by the applicant fully describing the request or project and address the following:	
	Reason for request.	
	Explain compliance with the appropriate Comprehensive Plan.	
	Existing Zoning:	
	Proposed Zoning:	
	Total acreage to be re-zoned:	
	NEIGHBORHOOD MEETING CERTIFICATION	
	PRE-APPLICATION CONFERENCE NOTES	
	METES AND BOUNDS LEGAL DESCRIPTION of the property to be subdivided including a Microsoft Word® electronic Word document.	
	DEVELOPMENT AGREEMENT CHECKLIST	
	DEED or evidence of proprietary interest.	
	MUST COMPLY WITH SIGN POSTING REGULATIONS (ACC 8-7A-5)	
	APPLICATION FEE: Call County for Current Planning Fee or go to www.adaweb.net	

APPLICATION WILL NOT BE ACCEPTED UNLESS ALL APPLICABLE ITEMS ON THE FORM ARE SUBMITTED.

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DEVELOPMENT AGREEMENT CHECKLIST

A Development Agreement request requires a public hearing.

GENERAL INFORMATION:

Applicant:			
Applicant (√)	DESCRIPTION		Staff (√)
	Completed and signed Master Application		
	DETAILED LETTER by the applicant fully describing the request or project and address the following:		
		List of any proposed modifications to the standards imposed by other regulations of the zoning ordinance.	
		The form and name of the organization proposed to own and maintain any dedicated open space.	
		Substance of the covenants, grants, easements, or other restrictions proposed to be imposed upon the use of property and structures including any proposed easements for public utilities.	
		List Specific uses proposed.	
		Other terms and conditions related to the proposed project.	
		Proposed water system:_____	
		Proposed Sewer system:_____	
		Proposed storm water management:_____	
	FINANCING PROPOSAL OF PUBLIC FACILITIES (If applicable)		
	NEIGHBORHOOD MEETING CERTIFICATION		
	PRE-APPLICATION CONFERENCE NOTES		
	LEGAL DESCRIPTION OF PROPERTY SUBJECT TO THE DEVELOPMENT AGREEMENT		
	AFFIDAVIT by property owner agreeing to the submission of the Development Agreement		
	PHASING PLAN MAP & SCHEDULE (If applicable)		
	MUST COMPLY WITH SIGN POSTING REGULATIONS (ACC 8-7A-5)		
	APPLICATION FEE: Call County for Current Planning Fee or go to www.adaweb.net		

APPLICATION WILL NOT BE ACCEPTED UNLESS ALL APPLICABLE ITEMS ON THE FORM ARE SUBMITTED. THIS APPLICATION SHALL NOT BE CONSIDERED COMPLETE (NOR WILL A PUBLIC HEARING BE SET) UNTIL STAFF HAS RECEIVED ALL REQUIRED INFORMATION.

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HILLSIDE DEVELOPMENT CHECKLIST (ACC 8-3H)

A Hillside Development request is a staff level application.

GENERAL INFORMATION:

Applicant	DESCRIPTION	Staff
	Three paper copies and one electronic copy of all required submittals.	✓
	Completed and signed Master Application	✓
	Completed Supplemental Information	✓
	DETAILED LETTER by the applicant fully describing the request or project.	✓
	SITE PLAN showing all existing and proposed easements, property lines, and structures drawn to scale on 8 1/2" X 11" paper.	✓
	DEED or evidence of proprietary interest.	✓
	PRELIMINARY GRADING PLAN (ACC 8-3H-3B)	✓
	SLOPE STABILIZATION & REVEGETATION PLAN & REPORT (ACC 8-3H-3C)	
	Prepared & sealed by a licensed Landscape Architect.	
	ENGINEERING HYDROLOGY REPORT (ACC 8-3H-3D)	
	Prepared & sealed by a professional engineer registered in the State of Idaho.	
	SOILS ENGINEERING REPORT (ACC 8-3H-3E)	
	Prepared & sealed by a professional engineer registered in the State of Idaho.	
	ENGINEERING GEOLOGY REPORT (ACC 8-3H-3F)	
	Prepared by a professional geologist or professional engineer (with engineering seal) registered in the State of Idaho.	
	VISUAL IMPACT REPORT (ACC 8-3H-3G)	
	Prepared by a licensed design professional.	
	APPLICATION FEE: Call County for Current Planning Fee or go to www.adaweb.net	

Hillside Development requires an engineer of record to prepare the documents and oversee the completion of approved work.

APPLICATION WILL NOT BE ACCEPTED UNLESS ALL APPLICABLE ITEMS ON THE FORM ARE SUBMITTED.

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HILLSIDE DEVELOPMENT SUPPLEMENTAL INFORMATION (To be completed by the applicant)

PRELIMINARY GRADING PLAN

Contour lines at five foot intervals;

Location of all proposed or existing structures & roads;

Any areas of cut or fill;

Any areas with characteristics listed in 8-3H-5B;

Narrative indicating how the proposed design complies with the purpose statement of the hillside overlay district.

SLOPE STABILIZATION AND RE-VEGETATION PLAN AND REPORT

A licensed landscape design professional shall prepare the slope stabilization and re-vegetation plan. The report shall include a complete description of the existing soils, existing vegetation, the vegetation to be removed and the method of disposal, the vegetation to be planted, soils amendments and pH adjustments, and slope stabilization measures to be implemented. The plan shall include an analysis of the environmental effects of such operations including the effects on slope stability, soil erosion, water quality, and fish and wildlife.

ENGINEERING HYDROLOGY REPORT

A professional engineer registered in the state of Idaho shall complete an engineering hydrology investigation and report. This individual should be experienced and knowledgeable in the science of hydrology and in the techniques of hydrologic investigation. This report shall include the following information:

1. An adequate description of the hydrology of the site, conclusions on the proposed development, and opinions and recommendations covering the adequacy of sites to be developed. The report shall include results of field investigations of the site, unless existing information is determined by the county engineer to be sufficient to satisfy the purpose of this article.
2. Flood frequency curves shall be provided for the area proposed for development.

SOILS ENGINEERING REPORT

Any area proposed for development shall be investigated to determine the soil characteristics. This report shall include the following information:

1. Data regarding the nature, distribution, strength, pH, and nutrients of the soils, conclusions and recommendations for grading procedures, design criteria for corrective measures, and opinion and recommendations covering the adequacy of sites to be developed. The report shall include results of field investigations of the site, unless existing information is determined by the county engineer to be sufficient to satisfy the purpose of this article.
2. The investigation and report shall be completed by a professional engineer registered in the state. This individual should be experienced and knowledgeable in the practice of soils mechanics.
3. Recommendations included in the report shall be incorporated into the design plan and specifications.

ENGINEERING GEOLOGY REPORT

Any area proposed for development shall be investigated to determine its geological characteristics. This report shall include the following information:

1. A description of the geology of the site, conclusions and recommendations regarding the effect of geologic conditions on the proposed development, and the opinions and recommendations covering the adequacy of sites to be developed. The report shall include results of field investigations of the site, unless existing information is determined by the county engineer to be sufficient to satisfy the purpose of this article.

2. The investigation and report shall be completed by either a professional geologist registered in the state or by a professional engineer registered in the state. This individual should be experienced and knowledgeable in the principles and practices of engineering geology.

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3. Any area in which the investigation indicates geologic hazards shall not be developed unless the project engineer can demonstrate conclusively to the county engineer, based on the required engineering reports, that these hazards can be overcome in such a manner as to prevent hazard to life or limb, hazard to property, adverse effects on the safety, use or stability of a public way or waterway, and adverse impacts on the natural environment.
4. Recommendations included in the report shall be incorporated into the design plan and specifications.

VISUAL IMPACT REPORT

A visual impact report shall be prepared by a licensed design professional and shall be submitted with the development application. The report shall include the following information:
1. The view from key vantage points along public roadways or public viewing areas that depict the existing view (prior to development) and the proposed view (after development).
2. The proposed screening methods which shall include, but not be limited to: architectural design, designated building envelopes, height restrictions, landscaping, fencing, construction materials, and colors.
3. The existing vegetation and the proposed method of preserving and/or replacing such vegetation.
4. A statement detailing how the proposed development or subdivision minimizes grading through careful site and roadway design.

OTHER PERTINENT DATA

Any other pertinent data deemed necessary by the engineer of record or by the director, after consulting with the engineer of record, to satisfy the stated purpose of this article and that is reasonably related to the health, safety, and welfare of the general public and persons who might purchase the property being developed.

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200 W. Front Street, Boise, ID 83702 www.adaweb.net phone: (208) 287-7900 fax: (208) 287-7909

FLOODPLAIN CHECKLIST (ACC 8-3F)

A Floodplain request is a staff level application.

Once you submit this application, the County Engineer will determine the pertinent floodplain information required for approval by Ada County, and you will receive a copy of this page along with your building permit. If elevation certificates are required as a condition of approval, you must contact a surveyor or engineer to complete the first elevation certificate prior to having the Building Division conduct any inspections on the property. You will not be able to schedule your final inspection with the Building Division until you submit the second elevation certificate to verify the constructed elevation of the structure.

GENERAL INFORMATION:

Applicant ☑	DESCRIPTION	Staff ☑
	Completed and signed **MASTER APPLICATION**	
	DETAILED LETTER by the applicant fully describing the request or project.	
	SITE PLAN showing all existing and proposed easements, property lines, and structures drawn to scale on 8 1/2" X 11" paper, and including:	
	a. Spot elevations or a topographic map	
	b. Floodplain boundary line and elevations	
	c. Floodway boundary line and elevations	
	d. Lowest floor elevations of all existing and proposed structures, including basements and crawlspaces	
	e. Any proposed modifications or fill within the floodway or floodplain with existing and proposed elevations	
	A **copy of application(s)** made to the Department of Water Resources, the Army Corps of Engineers, and/or other involved agencies	
	No-Rise Certification if development is within a floodway	
	DEED or evidence of proprietary interest.	
	APPLICATION FEE: Call County for Current Planning Fee or go to www.adaweb.net	

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OFFICE USE ONLY			
File #	Received by:	Date:	Fee:
Building Permit #:		Zoning Certificate #:	
100-year flood elevation:		Lowest floor elevation:	
Basement elevation:		Flood proofed elevation:	
Watercourse:		Zone:	Panel:
County Engineer		Date	
CONDITIONS OF APPROVAL:			

APPLICATION WILL NOT BE ACCEPTED UNLESS ALL APPLICABLE ITEMS ON THE FORM ARE SUBMITTED.

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Ada County Planning & Zoning
200 W. Front St.
Boise, ID 83702

Subject: Master Site Plan Application—
Swan Falls Hydroelectric Project Recreation Development and Habitat Improvement

Dear Ada County Planning and Zoning Staff:

The Swan Falls Hydroelectric Project (Swan Falls Project) is a Federal Energy Regulatory Commission (FERC) jurisdictional generation facility. Pursuant to the *Federal Power Act*, FERC issued Idaho Power Company (IPC) a 30-year license to operate the project on September 28, 2012.[1] The license mandates a series of recreational improvements and environmental mitigation measures IPC developed collaboratively with federal and state agencies, as well as other nongovernmental organizations during its relicensing and license-implementation process.

Implementation of these measures is a federally mandated effort under the Swan Falls Project license that IPC must undertake in a timely manner. The development of these proposed enhancements is the culmination of a multi-year consultation and planning process IPC undertook during the FERC relicensing process. IPC's proposed projects will not only provide value for local recreators who use the area, but will also promote a safer and more accessible recreation experience for residents throughout Ada County. Habitat-enhancement measures included as part of IPC's proposal will also promote a more natural, stable environment that will provide improved wildlife habitat, water quality, and cultural resource protection.

Consultation with Ada County representatives indicates IPC's FERC license implementation requires prior county review and approval and Wildland Urban Interface zoning map modifications. IPC developed the information contained herein to support its master site plan, hillside and floodplain/flood hazard development, zoning ordinance map revision, and conditional-use applications. IPC appreciates Ada County's consideration of its proposed recreation and habitat-enhancement projects at the Swan Falls hydroelectric facility and looks forward to supporting its project throughout the Ada County planning and permitting process. Contact Allison Murray at 208-388-2418 or amurray@idahopower.com with questions or additional information requests.

Sincerely,

Chris Randolph
Environmental Affairs Director, Power Supply

[1] FERC issued the original project license on June 25, 1928. The license was subsequently renewed on December 22, 1982.

1221 W. Idaho St. (83702)
P.O. Box 70
Boise, ID 83707

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1. DETAILED PROJECT DESCRIPTION

The Swan Falls Hydroelectric Project (Swan Falls Project) is located approximately 35 miles south of Boise, Idaho, on the Snake River in Ada and Owyhee counties. The project occupies lands of the United States (U.S.) within the Snake River Birds of Prey National Conservation Area (NCA)[2], State of Idaho lands, and lands Idaho Power owns in fee title. There are no other developments in the immediate vicinity. Access to the project is by county road from the town of Kuna, located 19 miles north of the project.

The project boundary encloses 1,593 acres of land and water, of which approximately 186 acres are federal lands managed by the Bureau of Land Management (BLM). The boundary follows a combination of metes and bounds and contour lines that enclose all major project features. Upstream of the dam, the boundary generally follows contour 2,318 [3]feet mean sea level (msl) along both sides of the river. As part of relicensing, Idaho Power Company (IPC) extended the boundary 1.5 miles (192 acres) downstream to incorporate dispersed recreation sites it is proposing to improve and maintain.

1.1. Existing Project Facilities and Structures

The Swan Falls Project has been in operation since 1909. Generation, operations, and recreation facilities have been modified several times. Current project facilities include the following:

- A 1,218-foot-long, 88-foot-high concrete gravity and rock-fill dam
- A 12-mile-long, 1,525-acre reservoir with a normal maximum water-surface elevation of 2,314[4] feet msl
- Swan Falls Park, located along the northeast bank of the reservoir just upstream of the dam (includes a historical boarding house, restroom facility, picnic tables, and safety and informational signage)
- Swan Falls reservoir boat ramp, located on the northeast bank of the reservoir about 0.25 miles upstream of the dam
- Swan Falls downstream boat launch, located on the northeast bank of the tailwater just downstream of the dam
- Swan Falls powerhouse museum, located within the old powerhouse between the center island and the intermediate dam
- A canoe portage trail located on the southwest bank adjacent to the dam is also a project recreation site but is not included within the current project boundary

[2] Administered by the BLM
[3] Converts to 2321 NAVD88
[4] NGVD29 - Correlates to 2317.3 NAVD88

- An equipment yard, storage structure, and a yard for trashrack debris
- Five IPC-owned houses[5]

1.2. Proposed Measures

Human use of the Swan Falls area has impacted riparian and upland habitats as well as cultural resource sites. IPC's recreation development and habitat-enhancement projects were specifically designed to address areas of significant impacts resulting from unfocused and unrestricted recreational activities. Such recreational activities include camping, building multiple fire rings, building pallet fires, littering, and vandalism, painting graffiti, using paint ball guns, using motorized vehicles, and using off-road vehicles (ORV). These activities increase the number of de-vegetated areas as well as user-defined roads not necessary for legitimate access needs. As a result, there are significant impacts to the landform in general, and more specifically to botanical and cultural resources. While closing the affected areas to any and all access might appear the ideal solution, IPC is also under a Federal Energy Regulatory Commission (FERC)-ordered obligation to make company lands available to public access and recreation in a way similar to what might be available if the hydro project did not exist. Accordingly, the various recreation development projects were designed to focus unavoidable recreation impacts to restricted and hardened areas.

Similarly, the habitat-enhancement projects seek to rehabilitate areas previously impacted by vehicular travel and recreation activities and limit future impacts by blocking access to the affected areas. The recreation and habitat improvements will also yield a net positive effect on the site condition and lessen the potential for continuing negative cultural resource effects. Reducing the recreation-induced impacts to these resources will only be successful if IPC is able to provide attractive alternatives to the recreating public.

Proposed actions will also directly benefit upland and riparian species that depend on the habitat affected by human use and access, including special-status species (SSP). The expansion of the impromptu road system, both upstream and downstream of Swan Falls Dam on IPC-owned lands (IPC lands), has impacted soil resources and caused significant soil erosion, potentially affecting water quality. Furthermore, the existence of an ever-extending road system impacts the visual quality of the area. Designated recreation site delineation, restriction of vehicular traffic to designated areas, decommissioning of impromptu trails, and revegetation efforts will protect and enhance upland habitat and habitat dependant species, minimize soil erosion, enhance visual values, enhance recreational enjoyment of the area, and improve water quality and aquatic resources.

1.2.1. Proposed Recreation Enhancements

Appendices A through Q of this application provide full site layout and engineered drawings. IPC proposes to implement the following recreation enhancements.

[5] Used by IPC operational and maintenance staff

1.2.1.1. Swan Falls Reservoir Boat Ramp

This 2-lane boat ramp with boarding floats is located 0.25 miles above the dam. The site includes a portable toilet located adjacent to the parking area. In 2003, IPC installed a second mooring dock upstream of the boat ramp to accommodate increased demand and provide daily moorage of outfitters' boats from April through June.

IPC proposes to install a new vault toilet, enlarge and define the parking area for vehicles and trailers, provide a parking space designated for 1 average-sized school bus, and designate a staging area for boats. IPC will also widen and steepen the concrete boat ramp. Associated boarding floats will be replaced. IPC will target boat-access facility standards outlined in the States Organization for Boating Access (SOBA) *Design Handbook for Recreational Boating and Fishing Facilities* (Boyd et al. 2006).

1.2.1.1.1. Americans with Disability Act of 1990 (ADA) Considerations

IPC will follow the ADA accessibility guidelines (ADAAG) and adhere to 36 Code of Federal Regulations (CFR) Parts 1190, 1191, and 1195 regarding ADA accessibility. Accessible site features will include the following:

- One vault toilet with appropriate grab rails, riser height, and clear space for maneuvering
- Two appropriately placed, demarcated, and sized parking spaces
- Adequately sized (clear space) and finished (abutment transitions, railings, and tread) boarding floats for boating and fishing access
- Site-feature connectivity and accessible routes incorporated in the final facility design (e.g., connectivity between designated parking and the restroom).

1.2.1.2. Swan Falls Park

Swan Falls Park is a popular public day-use facility located just upstream of the dam. Certain enhancements will improve public safety, provide other recreational opportunities, and enhance visitor experience in large group settings. Existing amenities at this site include restrooms, benches, picnic tables, an interpretive display, and day-use parking. The park grass is manicured, and large trees provide shade.

IPC proposes repairing the park's shoreline by rebuilding the existing retaining wall comprised of historic blocks salvaged from the original powerhouse, installing additional rip rap, adding a new dock system with gangway, building 1 group picnic shelter, adding day-use parking, enhancing landscaping with new trees, installing interpretive displays, and providing 4 additional picnic tables near the waterfront. The tables, shelter, and docks will be accessible under ADA guidelines and connected with accessible routes.

1.2.1.2.1. ADA Considerations

IPC will follow ADAAG recommendations and adhere to guidelines set forth in 36 CFR Parts 1190, 1191, and 1195 regarding ADA accessibility. In addition to the existing ADA compliant restrooms and parking, accessible site features will include the following:

- Accessible picnic facilities (tables and a shelter). Tables will have 1 cantilevered end and will be placed on hardened surfaces. Appropriate clear space, knee and toe clearance, and table top heights will be incorporated at 2 tables in the park and 2 tables under the shelter at a minimum.

- Two appropriately placed, demarcated, and sized parking spaces

- Adequately sized and finished boarding floats and an associated gangway for fishing and boating access

- Accessible routes to amenities (e.g., routes between the restroom, parking area, and fishing access will have the proper width, tread, slope, cross slope, and rest intervals).

1.2.1.3. Swan Falls Downstream Boat Launch

An existing gravel boat launch downstream of Swan Falls Dam provides access to the free flowing segment of the Snake River. Existing amenities at this location include a portable toilet and an air compressor installed in 1987 to assist rafters.

The Swan Falls downstream boat launch needs basic upgrades to effectively launch and retrieve boats and to provide enhanced parking for vehicles and trailers. Historically, this launch was intended to accommodate canoes, kayaks, and rafts. More recently, larger, motorized boats use the ramp, primarily for white sturgeon fishing below the dam. Numerous vehicles have become stuck on the slope of the ramp due to a lack of traction on the gravel surface. Providing the proposed improvements will reduce traffic congestion associated with the site and improve boat launching and retrieval.

IPC proposes to install a new vault toilet, enlarge and define the parking area for vehicles and trailers, designate a staging area for boats, build a pre-launch boarding platform, and construct a 2-lane concrete boat ramp. IPC will target boat-access facility standards as outlined in the SOBA *Design Handbook for Recreational Boating and Fishing Facilities* (Boyd et al. 2006). Since float-boaters are self-sufficient with manual air pumps or vehicle portable air compressors, IPC will remove the outdated air compressor.

1.2.1.3.1. ADA Considerations

IPC will follow ADAAG recommendations and adhere to guidelines set forth in 36 CFR Parts 1190, 1191, and 1195 regarding ADA accessibility. Accessible site features will include the following:

- One appropriately placed, demarcated, and sized parking space

- One vault toilet with appropriate clear space, grab rails, riser height, thresholds, etc.

- A pre-launch boarding platform to allow for increased accessibility to boating opportunities below the dam. Site topography limits the ability to install an accessible gangway and float structure; therefore, the boarding platform is in lieu of accessible floats.

1.2.1.4. Dispersed Recreation-Site Enhancements

Several existing impromptu or dispersed sites provide access to the reservoir and river within the project vicinity. The Swan Falls area visitor use has impacted some upland and riparian habitats located within these sites. IPC proposes to further define and improve 6 of these recreation sites (many include numerous campsites per recreation site) to enhance visitor experiences while limiting wildlife, cultural resources, and vegetation affects. IPC proposes improvements for the dispersed sites at various locations near the project as shown in Table 1.

Table 1
Dispersed sites at locations near the project[1]

Site	Location
ABRP (Camp sites 19–20)	Above the Boat Ramp Site
BLOR (Camp sites 16–18)	Below the Boat Ramp Site
STFP (Camp sites 13–15)	Swan Tailwater Footpath Site
ST13 (Camp sites 11–12)	Swan Tailwater Site 13
STCM (Camp sites 5–10)	Swan Tailwater Camp
ST12 (Camp sites 1–4)	Swan Tailwater Site 12

[1] See Appendix B, figures L101–L106.

IPC selected the enhancement sites based on 2 criteria: 1) the amount and regularity of recreational use demonstrated in IPC's study, *Recreational Use at the Swan Falls Hydroelectric Project* (Brown 2008) and 2) the physical site layouts. Layout considerations included the proximity to an improved road and topography (e.g., ease of access and adequate flat land to incorporate meaningful enhancements). Campsite size varies from approximately 800 square feet (ft^2) to 3,000 ft^2. These sites are considered primitive and will not involve the installation of new comfort stations, water systems, or other utilities.

IPC will manage motorized traffic to these delineated sites by using appropriate buffer materials, such as fences, boulders, and/or berms and by improving access roads. IPC delineated campsites in consideration of FERC-required habitat restoration and enhancement measures and the results of cultural and rare-plant surveys. IPC will prevent motorized access from disturbing adjacent areas by placing large rocks as barriers around the campsites.

The universal campsites will all have a compacted gravel surface for camping and a fire ring. Two of the campsites (sites16 and 17) will have tables. Following is a list of proposed improvements by dispersed site. Figures L101 through L106 in Appendix B provide additional detail.

- Camp Sites 19-20—Define 2 campsites and restrict additional growth by installing buffer materials. Additionally, the road into this area will be improved with gravel.

- Camp Sites 16-18—Define and improve 2 primary loop roads and provide 3 campsites with fire rings; the 2 most downstream sites will also have picnic tables. Restrict additional growth of the sites by installing buffer materials.

- Camp Sites 13-15—Designate 3 universal campsites. Restrict additional growth of the area by installing buffer materials.

- Camp Sites 11-12—Designate 1 access and add 2 universal campsites. Restrict additional growth of the area by installing buffer materials.

- Camp Sites 5-10—Designate a single, 2-lane road through the area with a turnaround lasso and spur roads to 6 universal campsites. Restrict additional growth of the area by installing buffer materials.

- Camp Sites 1-4—Improve 1 spur road into the site and provide 4 universal campsites and 1 vault toilet. Restrict additional growth of the area by installing buffer materials.

1.2.1.4.1. ADA Considerations

IPC will follow ADAAG recommendations and adhere to 36 CFR Parts 1190, 1191, and 1195 regarding ADA accessibility. The 2 picnic tables will have cantilevered ends and be placed on hardened surfaces to accommodated persons with disabilities. Each site is different in terms of terrain; however, IPC will strive to have a densely compacted surface to accommodate movement from a vehicle to site amenities, such as the fire ring and table.

All site final delineation is subject to change based on the ability to acquire necessary easements and permits from the State of Idaho and federal permits under Section 404 of the *Clean Water Act of 1972* (CWA).

1.2.2. Recreation Site Use, Maintenance, and Oversight

IPC's public park (located above the dam) is open during daylight hours. Typically, users access the site by personal vehicles. Visitation is sporadic, with higher use during the spring and summer. Peak use is generally May through August. The number of park visitors varies widely by day, with an average of 200 to 400 visitors a month during peak use times.

Dispersed site access has no temporal or seasonal restrictions although IPC does enforce a 14-day stay limit. Use is more difficult to quantify but generally follows similar seasonal patterns as the day-use park.

IPC has resident staff dedicated to the oversight and maintenance of all recreation sites. Staff maintain the park and patrol dispersed sites regularly. While trash receptacles are provided in multiple locations, IPC staff also remove refuse from all IPC lands as needed. In the event of a disturbance or fire, IPC staff first assess and/or mediate the situation. As needed, IPC staff subsequently contact the Idaho State Police and local (Kuna) or federal (BLM) fire departments for assistance.

1.3. Proposed Habitat-Enhancement Measures

Appendices included in this submittal provide detailed descriptions of the existing vegetation, IPC's proposed habitat-enhancement area site layout, and engineered drawings. IPC proposes the following enhancements.

1.3.1. Upland Habitat Restoration

Pursuant to and in compliance with the Project's FERC license, IPC proposes decommissioning and revegetating 4 acres of roadbed and 21.6 acres of associated uplands on IPC lands downstream of Swan Falls Dam using native upland species. Furthermore, upstream of Swan Falls Dam, IPC proposes restoring 4.4 acres of roadbed and protecting, enhancing, and restoring 15.3 acres of upland habitat. IPC will restrict ORV use by using rock and fence barriers.

1.3.2. Riparian Habitat Restoration

IPC proposes to protect 25.1 acres of riparian habitat associated with the recreational sites and enhance 2.7 miles of shoreline riparian habitat on IPC lands in the project boundary. Additionally, IPC plans to further enhance riparian vegetation by providing more consistent inundation to 0.9 acres of habitat by reestablishing and maintaining a hydraulic connection between the mainstem of the Snake River and the eastern side channel of Swan Falls island immediately downstream of the dam.

IPC proposes reestablishing flow between the mainstem and the side channel by hydraulically or mechanically boring/removing blockages in the existing culverts located under the causeway between the shore and Swan Falls Island.

2. ENGINEERING DESIGN AND CONSTRUCTION INFORMATION

IPC's proposed engineering design is based on an in-depth analysis of site topography, user needs, and environmental- and cultural-resource protection efforts. Appendix B provides a detailed site layout, signage plan, proposed new facility locations, landscaping, parking, and engineering specifications.

2.1. Schedule

Dependent on receiving all county, state, and federal permits, IPC intends to implement a phased construction schedule beginning June 2014, with the bulk of the work being completed by the end of 2014. See Appendix C for the proposed schedule.

2.2. Cultural Resource Protection

IPC manages historic properties within the Swan Falls project boundary according to the FERC approved *Historic Properties Management Plan* (HPMP). IPC developed the HPMP through consultation with numerous stakeholders and finalized the plan in conjunction with a programmatic agreement (PA) between FERC and the Idaho State Historic Preservation Office (Idaho SHPO).

IPC implemented the HPMP in compliance with the FERC September 28, 2012, order issuing the new license for IPC's continued operation of the Swan Falls Project. The HPMP defines a review process for all ground-disturbing activities to ensure historic property protection throughout the FERC license life. This process includes consultation with the Idaho SHPO (and other parties as appropriate) prior to the implementation of project activities that have the

potential to affect historic properties. If it is determined through consultation that a project will have an adverse effect on historic properties, further consultation with the Idaho SHPO will determine what measures will be required to minimize or mitigate anticipated impacts. IPC has conducted subsurface archaeological testing and is currently in final consultation with the Idaho SHPO to finalize site design and gain SHPO approval for all proposed work described herein. IPC archaeologists will conduct additional archaeological monitoring during some ground-disturbing improvement project components as needed.

2.3. Erosion Control

IPC's proposed recreation developments require ground disturbance. Erosion and sediment best management practice (BMP) control measures will be installed and maintained before, during, and after construction activities. IPC will maintain BMPs until disturbance areas are considered stabilized. Construction-site erosion and sediment inspectors will be qualified in accordance with the Construction General Permit (CGP) under the National Pollution Discharge Elimination System (NPDES). CGP coverage will be obtained when required, and construction-site-specific stormwater pollution prevention plans (SWPPP) will be developed prior to ground-disturbing construction activities.

Depending on spatial, temporal, and soil conditions, along with necessary construction techniques, IPC will use a variety of materials and practices to reduce erosion and sedimentation from construction activities. These practices and materials may include, but are not limited to, the use of fiber rolls, silt fences, spill-prevention kits, earthen berms, concrete washouts, and stormwater run-on control for upland erosion mitigation. Erosion-control details are provided in Appendix B. As referenced previously, temporal considerations will include working in dry-season windows whenever possible to reduce the erosion potential caused by storm events in the wet season. Last, erosion and sediment-control requirements may be influenced, in part, by permit requirements set forth in U.S. Army Corps of Engineers (USACE) 404 permits and/or state stream channel alteration permits.

3. NATURAL FEATURES ANALYSIS

3.1. General Project Area Description

The Swan Falls Project is located approximately 35 miles south of Boise, Idaho, on the Snake River in Ada and Owyhee counties. The project occupies lands of the U.S. within the Snake River Birds of Prey NCA, State of Idaho lands, as well as lands Idaho Power owns in fee title. There are no other developments in the immediate vicinity of the project. Access to the Swan Falls Project is by county road from the town of Kuna, approximately 19 miles north of the project.

3.2. Hydrology

The Swan Falls Project (FERC Project No. 503) is located on the Snake River at river mile (RM) 457.7 approximately 35 miles south of Boise, Idaho, in Ada and Owyhee counties. It is the site of numerous planned recreational improvements, above and below the project, funded by IPC. The improvements will enhance the usability of the area, as well as provide multiple

opportunities for visitors to enjoy the Snake River year-round. These improvements were designed to not adversely affect the hydrologic aspects of the Snake River in this area.

The Snake River flows generally from the southeast to northwest at Swan Falls. Upstream of Swan Falls Dam is the Swan Falls Reservoir, a linear water body confined within the canyon through which the Snake River flows. The reservoir extends upstream approximately 12 miles from the dam. The Swan Falls Project is considered a run-of-river (ROR) project; therefore, the reservoir is not used to store water seasonally. As stated in the Swan Falls License Application, the minimum, mean, and maximum inflows to Swam Falls Reservoir from October 1, 1913, through September 30, 2006 was 4,160; 10,970; and 46,100 cubic feet per second (cfs), respectively (IPC 2008). Normal maximum operating headwater is 2,314 feet msl, and the minimum operating headwater is 2,310 feet msl (IPC 2008). The ramping-rate restriction for the Swan Falls Project is 1 foot per hour and 3 feet per day. The limited fluctuation zone of the reservoir in the improvement project construction area, combined with the lack of development, major tributaries, perennial streams, wetlands, and irrigation withdrawals/returns, lend to no adverse hydrological effects along the Snake River in this area.

Below the Swan Falls Project, the Snake River flows into a steep canyon incised into resistant basalt flows by the Bonneville Flood, approximately 14,500 years ago (Orr and Orr 1996). The resulting channel is overly large for the modern flows, so the channel rarely overtops its banks, and if so, only during extreme flood events. Within the construction area, there are no major tributaries, perennial streams, wetlands, agricultural withdrawals/returns, or other natural drainage patters that will be affected. The steep canyon walls define the area and contribute to a very limited floodplain. FERC has approved an inflow flood design of 105,112 cfs for this project. The historic maximum daily flow between 1913 and 2006 was 46,100 cfs (IPC 2008).

Throughout the scope of the Swan Falls Recreational Improvement Project, no adverse effects to the hydrologic aspects of the Snake River or its neighboring lands are expected to occur. This includes improvements around the Swan Falls Reservoir boat ramp, the Swan Falls Park, the downstream boat launch, jetty and island, culvert, and dispersed recreation sites.

3.3. Soils

The benchlands north of the Snake River are on a broad basalt plain with several isolated cinder cones and basaltic buttes. The soils are generally light-colored, fine-textured to stony soils that have developed on basalt, sedimentary strata, and wind-modified deposits (loess). Most soils are Aridisols and are young with a weak horizon definition that developed in loess or silty alluvium. Mapped upland area soils include the Terrby-fill-Cencove-Feltham Association, the Trevino-Potraz complex, and the Trusdale fine sandy loam. The soils along the river and floodplain of the Snake River vary from deep loams in the Chattin Flat area to thin, gravelly and cobbly soils on gravel bars and low terraces. Soils that have been mapped along the Snake River channel and alluvial plain include the Bram, Baldock, Vanderhoff, and Feltham series.

Soils in the transition zone between the bottom soils and the upland soils are variable, ranging from deep, silty, and sandy loams on high terraces and colluvium to terrace escarpments and rubble land. Soil units that have been mapped in the sloping land between the Snake River channel and the uplands include Terrace Escarpment, Very Stony Land, Rubble Land,

Vanderhoff series, Feltham–Rubble Land complex, and Brent–Ladd complex. Appendix D contains soil mapping.

3.4. Topography

The project is on the southwestern portion of the Snake River Plain. The Snake River Canyon bisects the plain and is the principal physiographic feature of the study area. Cliffs and sheer canyon walls range in height from 6 to 375 feet, with the river cutting as much as 750 feet below the surrounding terrain (USGS 1996). Elevation of the canyon near Swan Falls Dam, where the canyon is deepest, ranges from 2,100 feet above msl at the canyon floor to 2,760 feet at the rim. North of the river, the terrain is relatively flat or slightly rolling except for isolated buttes. Areas south of the river are characterized by rolling topography and eroded badlands. Appendix E contains topographic mapping.

3.5. Vegetation

IPC undertook an intensive vegetation analysis during project relicensing. The study area included all lands below the canyon rim within 0.5 miles of the reservoir (river) centerline, from RM 471 to RM 447.2. In the study area, upland cover types dominated, including *Shrubland* (2,649.1 acres), *Grassland* (3,066.4 acres), *Shrub Savanna* (2,225 acres), and *Forbland* (270.3 acres). Other upland cover types (*Tree Savanna*, *Desertic Shrubland*, and *Desertic Herbland*) each comprised less than 1% of total acreage cover-typed. Riparian cover types comprised 458.9 acres, or 3.8% of the total study area. *Emergent Herbaceous Wetland* showed the highest acreage (211.8 acres), followed by *Scrub-Shrub Wetland* (184.9 acres), *Forested Wetland* (35.9 acres), and *Shore and Bottomland Wetland* (26.3 acres). All other land-use cover types covered relatively small percentages of the study area, with the exception of *Cliff and Talus Slope* (1,175.1 acres) and *Agriculture* (595 acres).

Vegetative cover mapping is provided in Appendix F.

3.5.1. Sensitive Plant and Wildlife Species

3.5.1.1. Plants

Five special status plants (SSPs)[6] were reported within the project boundary. A total of 44 SSP populations are located within these lands. Of the 44 populations, 28 were rated Very Low risk, 11 Low risk, 1 Moderate risk, and 4 High Risk. Of these populations, 6 may be directly impacted by proposed recreation enhancements: 2 western germander [*Teucrium canadense* var. *occidentale*] populations and 4 Snake River milkvetch [*Astragalus purshii* var. *ophiogenes*] populations. Section 8 describes mitigation measures proposed to protect these species. Because of these species' sensitivity, this report does not contain mapping for SSPs.

[6] SSPs include plant species listed as endangered or threatened by the U.S. Fish and Wildlife Service (FWS), including all plant species formally proposed for, or are candidates for, such listing, all BLM sensitive plant species (types 1–4), and certain other species with the potential to become listed as a sensitive species by the BLM in the near future.

Two state-threatened bird species, the peregrine falcon and the bald eagle, are found in the project area. One candidate species, the yellow-billed cuckoo (*Coccyzus americanus*), has the potential to occur in the project area. Both the peregrine falcon and bald eagle are listed as endangered by the state. Both species nest in Idaho (BLM 1979) but not in project vicinity.

Nine amphibian and reptile special concern species potentially occur in the project area. These include the northern leopard frog [*Lithobates pipiens*], Woodhouse's toad [*Bufo woodhousii*], western toad [*Bufo boreas*], western ground snake [*Sonora semiannulata*], ringneck snake (*Diadophis punctatus*), longnose snake [*Rhinocheilus lecontei*], night snake [*Hypsiglena torquata*], common garter snake (*Thamnophis sirtalis*), and Great Basin collared lizard [*Crotaphytus bicinctores*].

3.5.1.2. Wildlife

Twenty-eight bird species of special-concern occur, or potentially occur, in the project area or vicinity. These include 4 species of waterbirds (trumpeter swan [*Cygnus buccinator*], American white pelican [*Pelecanus erythrorhynchos*], Barrow's goldeneye [*Bucephala islandica*], and black tern [*Chlidonias niger*]); 4 species of wading birds (great egret [*Casmerodius albus*], white-faced ibis [*Plegadis chihi*], long-billed curlew [*Numenius americanus*], and Wilson's phalarope [*Phalaropus tricolor*]); 1 upland game bird (greater sage grouse [*Centrocercus urophasianus*]); 6 species of diurnal and nocturnal raptor species (northern goshawk [*Accipiter gentilis*], ferruginous hawk [*Buteo regalis*], Swainson's hawk [*Buteo swainsoni*], prairie falcon [*Falco mexicanus*], western burrowing owl [*Athene cunicularia hypugaea*], and short-eared owl [*Asio flammeus*]; 2 species of woodpeckers (Lewis' woodpecker [*Melanerpes lewis*] and red-naped sapsucker [*Sphyrapicus nuchalis*]); and 11 passerine species (loggerhead shrike [*Lanius ludovicianus*], cordilleran flycatcher [*Empidonax occidentalis*], willow flycatcher [*Empidonax traillii*], calliope hummingbird [*Stella calliope*], sage thrasher [*Oreoscoptes montanus*], grasshopper sparrow [*Ammodramus savannarum*], black-throated sparrow [*Amphispiza bilineata*], Brewer's sparrow [*Spizella breweri*], sage sparrow [*Artemisiospiza nevadensis*], green-tailed towhee [*Pipilo chlorurus*], and Brewer's blackbird [*Euphagus cyanocephalus*].

Eight mammal species of special concern occur, or potentially occur, in the project area or vicinity: Townsend's big-eared bat [*Corynorhinus townsendii*], spotted bat [*Euderma maculatum*,], Yuma myotis [*Myotis yumanensis*], long-legged myotis [*Myotis volans*], California myotis [*Myotis californicus*], western pipistrelle [*Parastrellus Hesperus*], Piute ground squirrel [*Urocitellus mollis*], and pygmy rabbit (*Brachylagus idahoensis*).

3.6. Historic Resources

IPC conducted an intensive archaeological inventory of the Swan Falls area (which included all the locations proposed for the recreation and habitat project areas as part of the FERC relicensing process for the Swan Falls Project). The relicensing survey's goal was to create a comprehensive record of all cultural resources in the area of potential effect (APE) for the FERC relicensing, which allowed the development of an HPMP and a PA with the Idaho SHPO. Both documents

address the potential for adverse effects to historic properties that might result from IPC's continued operation of the hydroelectric project. The resulting report and site records represent the most comprehensive documentation for all cultural resources along a 23-mile reach of the Snake River between RM 448 and 471. These records are the primary basis for IPC's current understanding of area culturally sensitive sites and informed IPC's strategies and survey scope used to assess the potential adverse effects to historic properties related to implementing recreation and habitat improvements. Specifically, 17 archaeological sites overlap or are adjacent to areas of the proposed habitat and recreation projects. Most of the sites are sparse lithic scatters identified principally on the basis of observed surface artifacts.

According to the HPMP defined procedures, IPC undertook site-specific archaeological investigations to assess the potential for adverse effects to historic properties due to the implementation of the proposed projects, many of which include ground disturbing activities. IPC contractors excavated approximately forty-five 1 x 1 meter test units and 14 profile road cuts, yielding data regarding the presence/absence of subsurface cultural fill, the nature and extent of such fill, and the depositional environment that allowed for the assessment of adverse effects. While a final study report is not yet available, the findings indicate there are no known potentially adverse effects related to recreation or habitat improvements.

3.7. Hazardous Areas

IPC's proposed actions support recreational and habitat restoration activities. There are no known potentially hazardous areas within the proposed development area.

3.8. Natural Feature Impact Mitigation

Human use of the Swan Falls area has impacted riparian and upland habitats as well as cultural resource sites. Pursuant to and in compliance with the project's FERC license, IPC proposes to decommission and revegetate 4 acres of roadbed and 21.6 acres of associated uplands on IPC lands downstream of Swan Falls Dam using native upland species. Furthermore, upstream of Swan Falls Dam, IPC proposes to restore 4.4 acres of roadbed and protect, enhance, and restore 15.3 acres of upland habitat. ORV use will be restricted by using rock and fence barriers. IPC proposes to protect 25.1 acres of riparian habitat associated with the recreational sites and to protect, enhance, and/or restore 2.7 miles of shoreline riparian habitat on IPC lands in the project boundary. Appendix G identifies proposed habitat restoration, mitigation, and enhancement areas.

IPC's recreation development and habitat-enhancement projects were specifically designed to address areas of significant impacts resulting from unfocused and unrestricted recreational activities. Such recreational activities include camping, building multiple fire rings, building pallet fires, littering, vandalizing, painting graffiti, using paint ball guns, motorized vehicle traffic, and ORV use. These activities increase the number of de-vegetated areas as well as user defined roads not necessary for legitimate access needs. As a result, there are significant impacts to the landform in general, and more specifically, to botanical and cultural resources. While closing the affected areas to any and all access might appear the ideal solution, IPC is also under a FERC-ordered obligation to make company lands available to public access and recreation in a way similar to what might be available if the hydroelectric project did not exist. Accordingly, the various recreation development projects were designed to focus unavoidable

recreation impacts to restricted and hardened areas. Similarly, the habitat-enhancement projects seek to rehabilitate areas previously impacted by vehicular travel and recreation activities and limit such impacts in the future through blocking access to the affected areas. While the recreation and/or habitat improvements were not specifically intended to benefit cultural resources, and despite many of the project areas directly conflicting with known sites, the improvements will yield a net positive effect on site conditions and lessen the potential continuing impacts. However, reducing the recreation-induced impacts to cultural resources will only be successful if IPC is able to provide attractive alternatives to the recreating public.

Proposed actions will directly benefit upland and riparian species that depend on the habitat affected by human use and access, including SSPs. The expansion of the impromptu road system, both upstream and downstream of Swan Falls Dam on IPC lands, has impacted soil resources and caused significant soil erosion, potentially affecting water quality. Furthermore, the existence of an ever-extending road system impacts the visual quality of the area. Designated recreation site delineation, restriction of vehicular traffic to designated areas, decommissioning of impromptu trails, and revegetation efforts will protect and enhance upland habitat and habitat dependant species, minimize soil erosion, enhance visual values, enhance recreational enjoyment of the area, and improve water quality and aquatic resources.

3.8.1. Construction Monitoring for Sensitive Botanical Species

IPC will monitor the 6 SSP populations that may be directly impacted by proposed recreation enhancements at years 1, 3, and 5, then consecutively every 5 years through the term of the license. All other SSP populations (very low, low, moderate, and high risk populations) will be monitored at 5-year intervals corresponding with the monitoring schedule of the 6 SSP populations directly impacted by recreation enhancements. If project-related negative impacts are occurring to SSP populations, IPC will take appropriate actions to protect the impacted SSP. Any populations unaffected by project-related causes after 10 years of monitoring will be removed from the monitoring plan.

Prior to ground-disturbing activities on lands within the project boundary, IPC will conduct an SSP clearance survey. Projects will move forward only when no SSPs are observed in the project area or when appropriate measures are in place to protect known SSPs.

3.8.2. Construction Monitoring for Cultural Resources

Any contract into which IPC enters for recreation and habitat-enhancement construction/implementation will include strict conditions requiring immediate and complete work stoppage if the contractor(s) identify any cultural resources or artifacts during construction activities. The contractor(s) will be required to notify IPC immediately. IPC will subsequently inform the Idaho SHPO of the finding and undertake additional surveys or protection measures as directed.

4. HILLSIDE DEVELOPMENT

A majority of the information requested as part of IPC's hillside development application is contained within sections 1 through 3 above. The following appendices provide additional, required information:

- **Appendix A**—Deeds and proprietary interests

- **Appendix B**—Engineering design information, including IPC's grading plan and slope stabilization plan

- **Appendix G**—IPC's *Habitat Restoration, Mitigation, & Enhancement Plan* identifies areas proposed for post-construction revegetation (Section 1.2.2. Recreation Site Use, Maintenance, and Oversight provides supporting narrative).

- **Appendix H**—Ada County Permitting Memorandum; IPC does not believe an Engineering Hydrology Report applies to the proposed work pursuant to ACC 8-3H-3D. In lieu of this report, Sections 2.0 and 4.0 of the Permitting Memorandum address the proposed drainage design approach and hydraulic analysis.

- **Appendix I**—Soils engineering report

4.1. Geology Report

As detailed in Section 3.3, the soils within the proposed construction areas are variable, ranging from deep, silty, and sandy loams on high terraces and colluvium to terrace escarpments and rubble land. IPC proposes no significant facility construction and is providing engineering drawings and revegetation information addressing Ada County Codes 8-3H-3E and 8-3H-3F requirements relevant to this project. **Appendix I** provides a limited soils engineering report.

4.2. Visual Impact Report

Pursuant to FERC license requirements, IPC has developed a *Visual Guidelines Plan* for the Swan Falls Project in consultation with state and federal agencies. This plan includes guidance for visual impact minimization related to any work within the FERC project boundary. Closely following the BLM strategies for minimizing visual resource effects, it addresses siting; avoiding unnecessary disturbance to the areas' visual resources; appropriate form, line, color, texture; and appropriate vegetation use considerations for new projects. IPC's proposed recreation- and habitat-enhancement measures generally meet all criteria within the *Visual Guidelines Plan* with the exception of the proposed day-use park picnic shelter. Pursuant to the Idaho SHPO direction, the structure is designed to match existing historic structures in the park. Given the Idaho SHPO's direction, IPC is in the process of consulting with other visual-resource consulting parties to advise them of this directive. IPC provides the plan in Appendix J. Appendix H provides an independent analysis and certification of the plan (see Section 6.0).

5. FLOODPLAIN/HAZARD

A majority of the information requested as part of IPC's floodplain application is contained in sections 1 through 4 above. The aspects of IPC's proposed project that occur within or adjacent to the mapped floodplain only involve the construction of water-dependent structures (i.e. boat ramp). Other activities potentially within the floodplain involve campsite hardening with no above- or below-ground habitable structures. The following appendices provide additional, required information:

- **Appendix A**—Deeds and proprietary interests
- **Appendix C**—Site plan, including property lines identifying construction activities within the floodplain and topographic, floodplain/floodway boundary lines/elevations
- **Appendix H –** Ada County Permitting Memorandum
- **Appendix K –** Floodplain site plan and No rise certification
- **Appendix L**—USACE/Idaho Department of Water Resources (IDWR) applications

6. WILDLAND-URBAN FIRE INTERFACE AMENDMENT

6.1. Existing Zoning

IPC's proposed project area is currently zoned Rural Preservation with a Wildland Urban Fire Interface (WUFI) overlay. The Ada County zoning districts' website[7] defines the rural preservation zoning purpose as follows:

> Permit the continued use of agricultural lands, rangelands, and wildlife management areas within the Boise Front Foothills (in areas designated as the Foothills Planning Area in the Boise City Comprehensive Plan and the Ada County Comprehensive Plan). Limit development of hazardous areas including, but not limited to, fault lines, landslides, subsidence, shallow soils, steep slopes, unstable slopes, flooding, and seeps. Allow a limited number of uses with excessive space requirements or buffering needs on non-prime agricultural lands. This zone allows the development of schools, churches and other public and quasi-public uses, but limits development of hazardous lands. This includes, but is not limited to, lands with fault lines, steep slopes, or lands prone to flooding or landslides.

Ada County ordinance (ACC 8-2A-3; Allowed Uses within Rural Base Districts) does not contemplate IPC's proposed project specifically. Accessory structures, dwellings, home occupation, private swimming pools, and temporary living quarters are among the facilities considered allowed uses; however, public or quasi-public facilities are considered conditional uses. Pursuant to consultation with Ada County Planning staff IPC is pursuing a conditional-use permit as part of this master application (see Section 7. Conditional Use).

Ada County defines the WUFI overlay purpose as follows:

> …to protect the public health, safety, and welfare by establishing standards to:

[7] http://www.adaweb.net/LinkClick.aspx?fileticket=HUZAk4PNajc%3d&tabid=255 (accessed 12/3/13)

> A. Minimize the potential of spreading fire from wildland areas to structures;
>
> B. Establish special standards that apply to new construction, alteration, moving, or change of use of habitable structures, with the intent to reduce the threat of loss of life and property from fire;
>
> C. Require vehicle turnouts on new private roads with the intent to provide better emergency access to remote areas; and
>
> D. Require that new subdivisions and planned unit developments provide water supply systems and suitable access for fire-fighting crews, with the intent to increase the resources available to such crews and minimize the spread of fire.[8]

Pursuant to Ada County ordinance, WUFI regulations under ACC 8-3B-2 (A) apply to 1) new subdivisions; 2) new private roads; and 3) new construction, alteration, moving, or change of use of residential, commercial or industrial structures within the overlay district as identified on the WUFI overlay district map, the limits of which are adopted by ordinance 391 on file at the county development services department, or as hereinafter may be amended. Subparagraph B of this article indicates that non-habitable structures are exempt from these regulations. Prohibited uses under ACC 8-3B-4 include campgrounds within the WUFI overlay district. Ada County defines campgrounds as "an area or tract of land that accommodates one or more temporary residential uses, including but not limited to cabins, tents, campers, travel trailers, motor homes, and/or recreational vehicles" (ACC 8-1A-1).

6.2. Support for Overlay Amendment

IPC's proposed improvements to existing, uncontrolled, dispersed camping (that has occurred historically and continues to date), coupled with its commitment to frequent and vigilant area oversight and maintenance, address the concerns and purpose of the WUFI overlay in this area. IPC's proposal to provide hardened campsites and provide fire pits as described in Section 1.2.1. Proposed Recreation Enhancements should greatly limit the potential for wildfires. Additionally, as described in Section 1.2.2, IPC has a strict protocol for monitoring its properties and coordinating with local and federal firefighting agencies.

In reviewing the existing WUFI overlay for this location, it does not appear to contemplate existing topography or local development patterns. IPC's proposed project area is within the Snake River Canyon bounded by the Snake River to the west and extensive rimrock cliffs over 200 feet high to the east. Existing vegetation is mainly shrub scrub and grasses that do not promote canopy fires. There are no residences or structures other than the hydroelectric plant and IPC employee housing within approximately 10 miles. If a fire occurs within this area and local or federal fire responders cannot extinguish it immediately, the likelihood of fire spreading and affecting residential areas is extremely unlikely.

[8] Ibid.

IPC provided multiple opportunities for comment on its proposed project during the FERC relicensing processes. These meetings included state and federal agencies as well as nongovernmental organizations and local landowners. Pursuant to Ada County regulations, IPC also held a neighborhood meeting on January 22, 2014 to discuss its pending county applications and specifically consult on IPC's proposal to amend the WUFI overlay in the project area. Appendix M includes the Neighborhood Meeting List provided by Ada County, IPC's meeting invitation, meeting notes, and certification. IPC received no comments indicating opposition to the proposed overlay amendment.

Given the existing topography and local development patterns, the potential for improved fire control associated with IPC's proposed project, and IPC's commitment to area oversight, we believe the WUFI overlay amendment is warranted. The following appendices provide additional, required information:

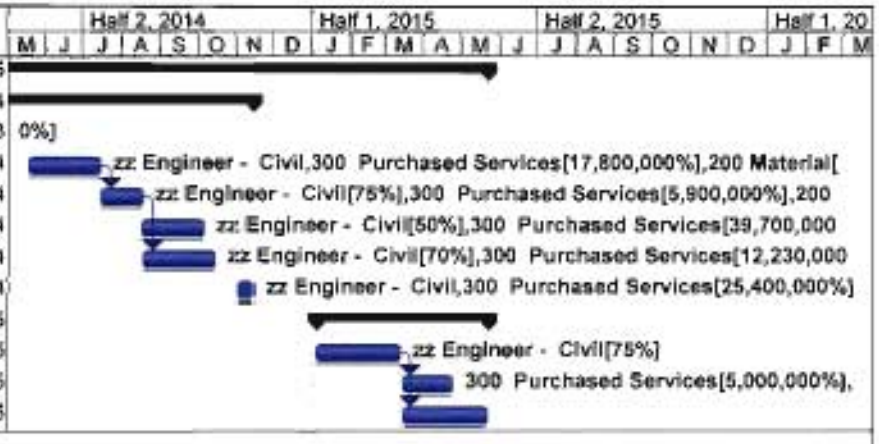
- **Appendix A** - Deeds and proprietary interests documentation
- **Appendix N** - Pre-application conference notes
- **Appendix O** - Proposed metes and bounds legal description of the property to be removed from the WUFI overlay (including proposed boundary in GIS format).
- **Appendix P** - Development Agreement Checklist

7. CONDITIONAL USE

A majority of the information requested as part of IPC's conditional-use application is contained within sections 1 through 5 above. IPC's project relates most closely with the county's public and quasi-public uses. Accordingly, IPC has reviewed the standards in ACC 8-5-3, 8-5-3-8, and 8-5-3-9, to ascertain conformity with such. Other than ACC 8-5-3-9 (A) (1) regarding outdoor recreation area setbacks, the remaining county standards do not appear directly applicable to IPC's proposed project. The proposed recreation enhancements are located in an area with no other residential districts and therefore meet applicable standards. The following appendices provide additional, required information:

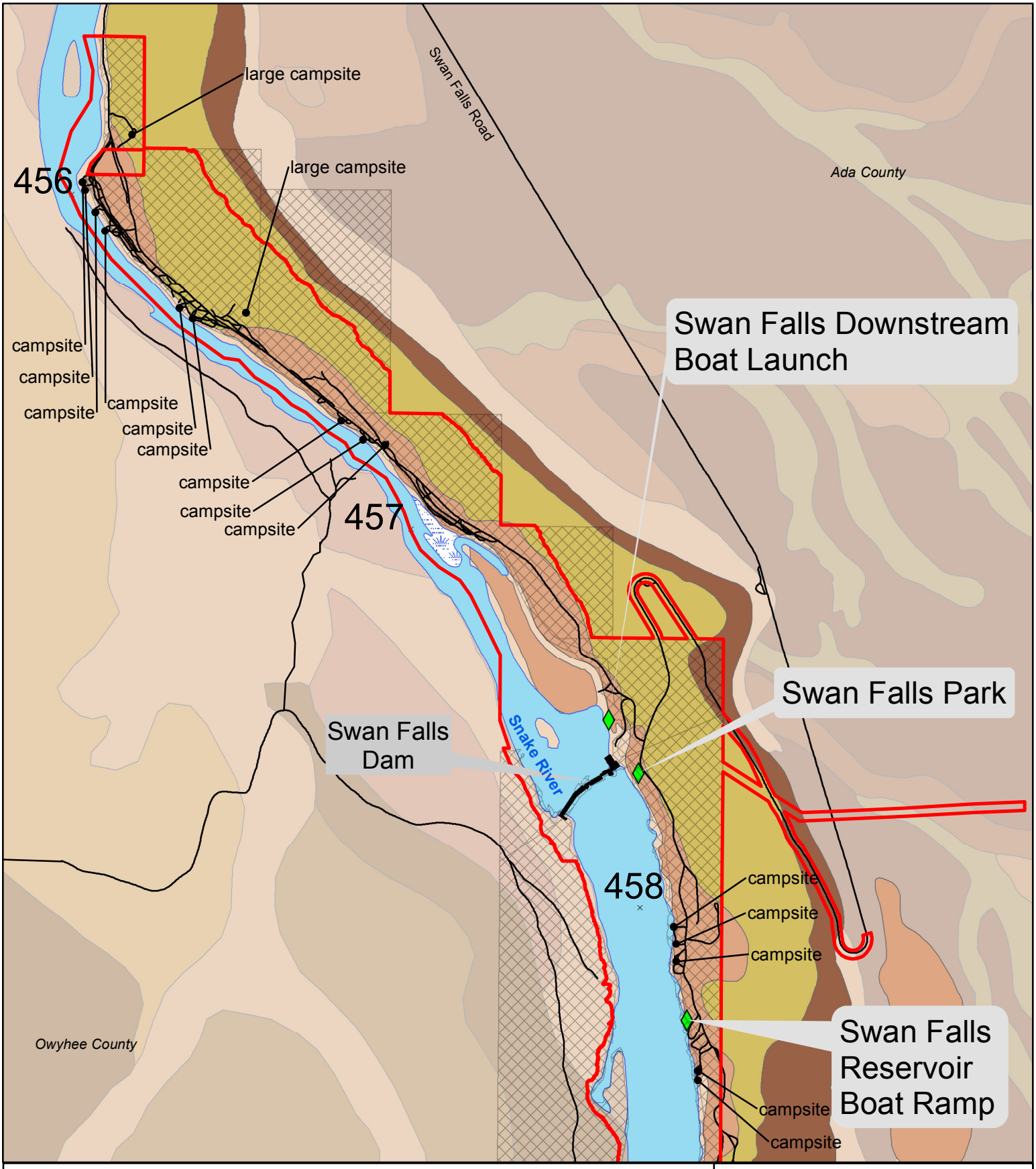
- **Appendix A** - Deeds and proprietary interests
- **Appendix C** - Site layout and design drawings indicating the proposed projects' locations.
- Section 4 and associated appendices address hillside development
- Section 5 and associated appendices address flood hazards
- Section 6 and associated appendices address WUFI amendment

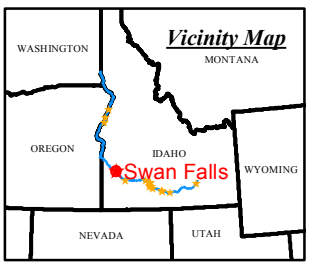
ID	Task Name	Duration	Start	Finish
1	Construction	623 days	Wed 1/2/13	Fri 5/22/15
2	2014	488 days	Wed 1/2/13	Fri 11/14/14
3	Rare Plant clearance - In house	2 days	Wed 1/2/13	Thu 1/3/13
4	Phase 1 - Downstream Campsites	42 days	Mon 5/19/14	Tue 7/15/14
5	Phase 2 - Upstream Campsites	24 days	Wed 7/16/14	Mon 8/18/14
6	Phase 3 - Boatramps and Parking	36 days	Mon 8/18/14	Mon 10/6/14
7	Phase 4 - Park Improvements	42 days	Tue 8/19/14	Wed 10/15/14
8	Phase 5 - Habitat Rehabilitation	10 days	Mon 11/3/14	Fri 11/14/14
9	2015 - Project Wrap Up	100 days	Mon 1/5/15	Fri 5/22/15
10	As-Builts	50 days	Mon 1/5/15	Fri 3/13/15
11	Restoration (411)	30 days	Mon 3/16/15	Fri 4/24/15
12	FERC paper work	50 days	Mon 3/16/15	Fri 5/22/15



Project: Swan Falls Construction Schr
Date: Wed 1/29/14

Task
Split
Progress
Milestone
Summary
Project Summary
External Tasks
External Milestone
Deadline





IDAHO POWER
An IDACORP Company

Project Boundary
abrp Dispersed Site
IPCo Lands
Developed Site
Access Roads
458 River Mile

Soil Type

FELTHAM LOAMY SAND
FELTHAM-RUBBLE LAND
RUBBLE LAND

Swan Falls Soil Types

SWAN FALLS HYDROELECTRIC PROJECT - FERC NO. 503

IDAHO POWER COMPANY, BOISE, ID 2013

0 0.2 0.4 Miles

= 0.29 miles

EXHIBIT 5
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IDAHO POWER®
An IDACORP Company

Slope Class

- < 8%
- 8 - 15
- 15 - 25
- > 25%

Swan Falls Terrain Analysis

0 0.0475 0.095 0.19 0.285 0.38 Miles

EXHIBIT 6
Page 1 of 1
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Date: 10/29/2013

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P 459

P 460

P 461

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Study Area

Salmon

IDAHO

Snake River

Vicinity Map

Panel 3 of 6

Features Legend

- Primary Road
- Tertiary Road
- Trails
- River Center Line
- P River Mile Markers
- Stream
- Ditch or Canal
- Pipeline
- Waterbody
- Noxious Weed Study Area
- Swan Falls Project Boundary
- Transmission Lines

Thematic Features Legend

- Tree Savanna
- Desertic Shrubland
- Shrubland
- Shrub Savanna
- Grassland
- Forbland
- Desertic Herbland
- Forested/Orchard
- Agriculture (Cultivated)
- Grazing Land/Pasture
- Forested Wetland
- Shore & Bottomland Wetland
- Scrub-Scrub Wetland
- Emergent Herbaceous Wetland
- Barren Land
- Disturbed
- Cliff/Talus Slope
- Lentic
- Lotic
- Parks/Rec
- Residential
- Industrial
- Roads

EXHIBIT 7

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IDAHO POWER
An IDACORP Company

SWAN FALLS HYDROELECTRIC PROJECT - FERC NO. 503

IDAHO POWER COMPANY, BOISE, ID 2007

Technical Report E.3.3-A, Figure 2.3

Cover Types of the Swan Falls Study Area

0 500 1,000 2,000 3,000 Feet

08/11/06

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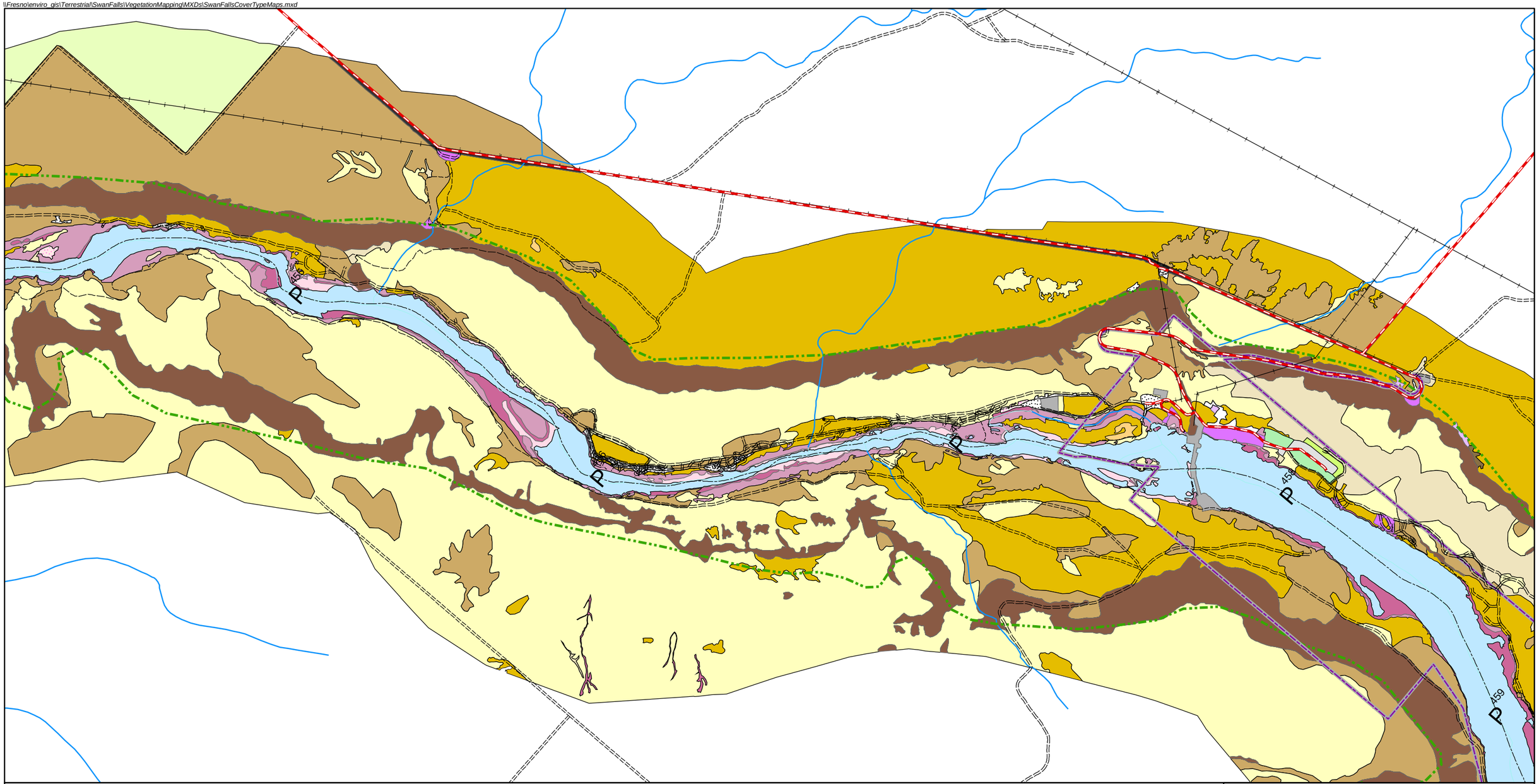
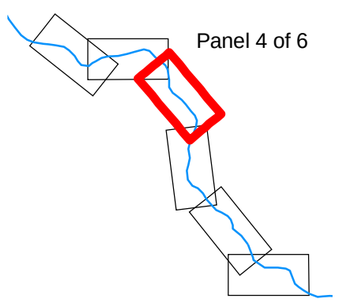


Vicinity Map



Features Legend

- Primary Road
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- Desertic Herbland
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- Forested Wetland
- Shore & Bottomland Wetland
- Scrub-Scrub Wetland
- Emergent Herbaceous Wetland
- Barren Land
- Disturbed
- Cliff/Talus Slope
- Lentic
- Lotic
- Parks/Rec
- Residential
- Industrial
- Roads

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SWAN FALLS HYDROELECTRIC PROJECT - FERC NO. 503

IDAHO POWER COMPANY, BOISE, ID 2007

Technical Report E.3.3-A, Figure 2.4

Cover Types of the Swan Falls Study Area

0 500 1,000 2,000 3,000 Feet

08/11/06

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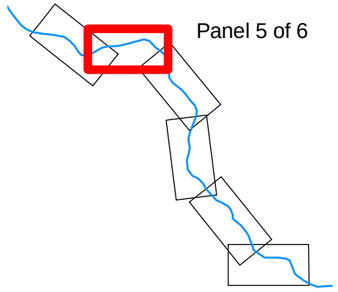
Vicinity Map



Panel 5 of 6

Features Legend

- Primary Road
- Tertiary Road
- Trails
- River Center Line
- P River Mile Markers
- Stream
- Ditch or Canal
- Pipeline
- Waterbody
- Noxious Weed Study Area
- Swan Falls Project Boundary
- Transmission Lines

Thematic Features Legend

- Tree Savanna
- Desertic Shrubland
- Shrubland
- Shrub Savanna
- Grassland
- Forbland
- Desertic Herbland
- Forested/Orchard
- Agriculture (Cultivated)
- Grazing Land/Pasture
- Forested Wetland
- Shore & Bottomland Wetland
- Scrub-Scrub Wetland
- Emergent Herbaceous Wetland
- Barren Land
- Disturbed
- Cliff/Talus Slope
- Lentic
- Lotic
- Parks/Rec
- Residential
- Industrial
- Roads

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SWAN FALLS HYDROELECTRIC PROJECT - FERC NO. 503

IDAHO POWER COMPANY, BOISE, ID 2007

Technical Report E.3.3-A, Figure 2.5

Cover Types of the Swan Falls Study Area

0 500 1,000 2,000 3,000 Feet

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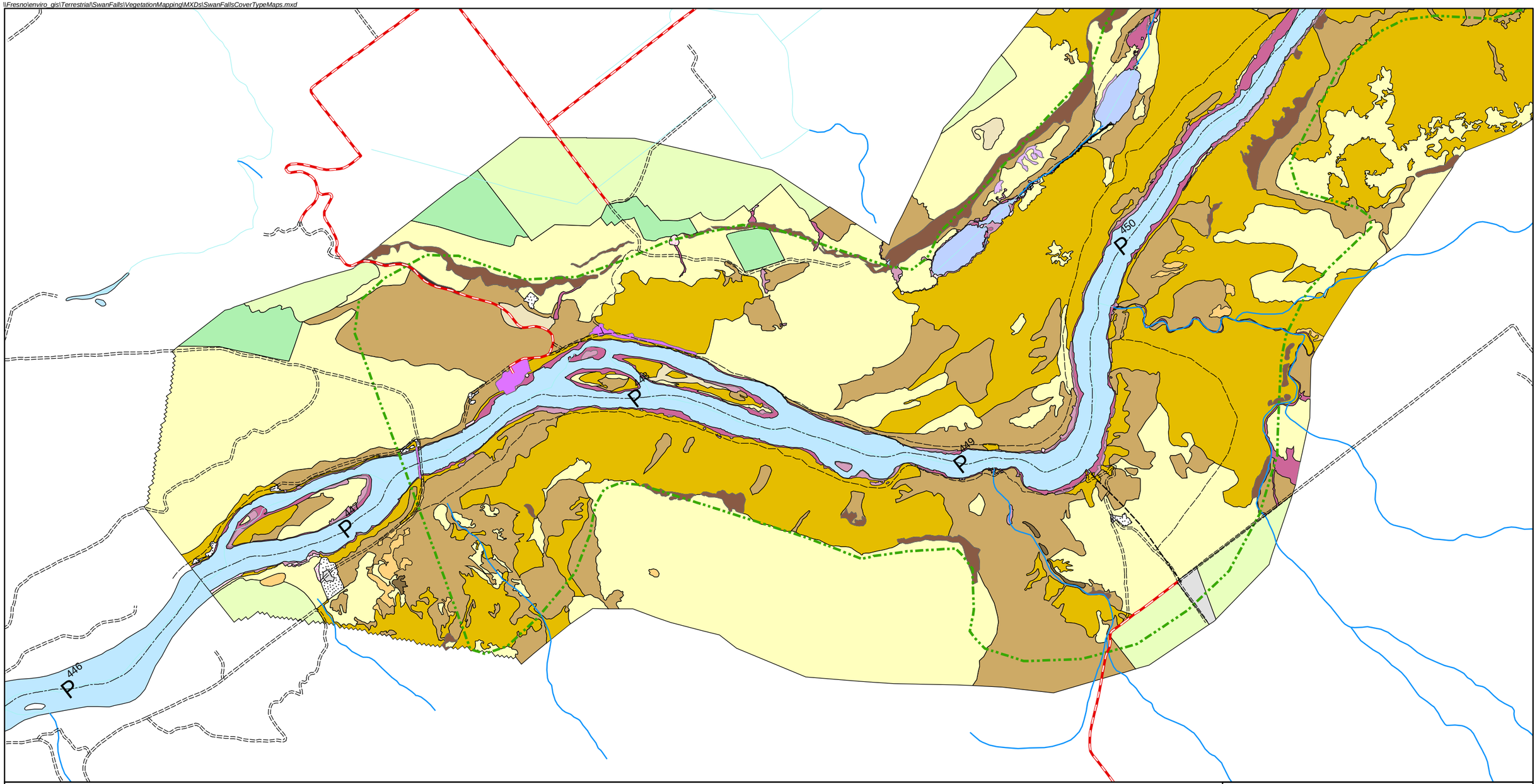
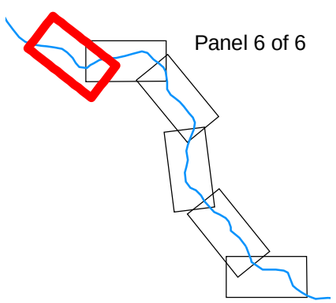


Vicinity Map



Panel 6 of 6

Features Legend

- Primary Road
- Tertiary Road
- Trails
- River Center Line
- P River Mile Markers
- Stream
- Ditch or Canal
- Pipeline
- Waterbody
- Noxious Weed Study Area
- Swan Falls Project Boundary
- Transmission Lines

Thematic Features Legend

- Tree Savanna
- Desertic Shrubland
- Shrubland
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- Desertic Herbland
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- Agriculture (Cultivated)
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- Roads

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SWAN FALLS HYDROELECTRIC PROJECT - FERC NO. 503

IDAHO POWER COMPANY, BOISE, ID 2007

Technical Report E.3.3-A, Figure 2.6

Cover Types of the Swan Falls Study Area

0 500 1,000 2,000 3,000 Feet

08/11/06

MEMORANDUM

McMILLEN, LLC

To:	Bill Lynch Idaho Power Company	Project:	Idaho Power Company - Swan Falls Dam Recreation Improvement Project
From:	Chris Boyd, PE Simon Daws, Landscape Architect	Cc:	File
Date:	December 18, 2013	Contract No:	SOW #12 IPC KIT #3618
Subject:	Ada County Permitting Memorandum		

1.0 INTRODUCTION

McMillen, LLC (McMillen) was retained by the Idaho Power Company (IPC) to complete the design of the Swan Falls Dam Recreation Improvement Project. As part of the project development, IPC requested that the McMillen team, including Murray Smith and Associates, The Land Group, and Strata, provide additional project documentation as required by the Ada County Hillside Development Checklist. This Memorandum provides the following information:

- A synopsis of the drainage design approach.
- Slope Stabilization and Revegetation Plan and Report.
- Hydraulics Report and no-rise certification.
- Geotechnical Report.
- Visual Impact Analysis.

2.0 DRAINAGE DESIGN APPROACH

During the initial site visit, the project team observed that the primary access road (see Sheets G005 and G006 of the construction drawings) does not have culverts crossing the road and there did not appear to be issues with stormwater erosion at the existing roadway or around the property. Areas where rutting and erosion was observed appeared to be largely caused by vehicular erosion and rutting. Therefore, the recommendations for stormwater management were made based on a high-level review of the site drainage based on the existing conditions and proposed improvements.

Based on the sampling for the geotechnical evaluation, the existing primitive dirt road surfaces consist of silty sands and weakly cemented sandy clay soils (see Appendix A), and it appears that the majority of rainfall likely infiltrates across the site. The proposed road design follows the same premise since the main gravel road does not have culverts and there are no indications of drainage problems. During the design, IPC noted that the project site has areas of cultural significance and sensitive plant species, and therefore the design focused on constructing the new

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Page 1 of 7
201400202 CU-MSP-ZC-DA-HD-F

access roads in the same general location as the existing roads to minimize impacts to undisturbed areas. The roads are designed with a width and slope similar to the existing disturbed area while providing sufficient room to maneuver the typical vehicles utilizing the area.

The proposed roads were designed to match or be higher than the existing roadway elevations and will include crushed rock surfacing. This approach is intended to create cut slopes on the uphill side of the road and fill slope on the downhill side of the road where necessary. This allows any surface runoff to flow across the vegetated cut slope, sheet flow across the gravel road, and then drain down the vegetated fill slope, minimizing any changes to the existing drainage patterns. Since the majority of these flows will be distributed sheet flow, erosion is not anticipated to be a significant concern. When the proposed road grade is located with cut on the downhill side, runoff will flow along the downhill edge of the road, following the road profile, until there is a transition from cut to fill. At that transition a rip rap pad will be constructed (see Detail C103 on Sheet GC001 of the construction drawings) to protect the slope from erosion due to the concentrated runoff flow and to dissipate the flow. In areas where the road grade is above the existing uphill grade, the elevation of the road is minimized so that there will be minimal impounded water (similar to the existing roads). Where runoff does pool behind the road, it will build up and then overtop the gravel surface and sheet flow across the road to the fill slope. The design limits the depth of these pool areas to 18-inches.

Installing culverts beneath the roadway would require over-excavation at the inlet so that the culvert could be placed below the proposed road gravel section. The culvert would also have to extend further into undisturbed areas before it would daylight in the slope beneath the road, and then it would create a point source discharge which would have to be conveyed to the river. In addition, campsites are typically located near these low points, so raising the road finish grade would have a significant impact on the design and function of the campsites. IPC will actively manage the access roads and determine if culverts are necessary in the future.

3.0 SLOPE STABILIZATION AND REVEGETATION

Existing Soils and Vegetation

The upland area soils in the project area are generally light-colored, fine-textured to stony soils that have developed on basalt, sedimentary strata, and wind-modified deposits (loess). The soils along the river and floodplain of the Snake River vary from deep loams to thin gravelly and cobbly soils on gravel bars and low terraces. Based on IPC's cover type mapping, vegetation varies in the project area and mainly includes upland cover types such as Shrubland, Grassland, and Shrub Savanna. Riparian cover types comprise around 4% of the total project area. The most common plants within the shrub cover types are big sagebrush, yellow rabbitbrush, greasewood, and various saltbush species, with a grass layer dominated by cheatgrass, but patches of native grasses also are present in significant amounts in some areas. Riparian cover types are associated primarily with reservoir and river shorelines. The most common species are reed canarygrass, knotgrass, hardstem bulrush, broadleaf cattail, saltgrass, and coyote willow. Riparian tree species include Pacific willow, netleaf hackberry, silver maple, boxelder, black locust, and Russian olive. In addition to cheatgrass, several other invasive species exist on site. Swan Falls Park contains sod lawn probably of a commercial bluegrass/ ryegrass mix, and has multiple mature trees predominantly Populus species. There is no proposal to remove any significant existing

vegetation in the project area. Several native shrubs may be removed for improvements to road layouts, and lawn will be removed at the park for installation of pathways etc.

Proposed Vegetation

The project scope proposes to revegetate 5 acres of roadbed using drill seeding or hydroseeding methods. The proposed upland seeding will use native plant species that are drought tolerant, provide forage and cover to native wildlife, have strong root systems that aid in soil stabilization, thrive in the existing soil types, and are of a species that would be expected to occur on similar site conditions in the vicinity of the revegetation site. Proposed vegetation at Swan Falls Park includes sod lawn for restoration of areas disturbed by construction, and planting of trees appropriate to a park setting including ash, honey locust, London plane and northern red oak. Soil amendments are only proposed to be added to the new lawn areas and tree pits, and will comprise solely of an organic compost to be mixed with existing topsoil.

Slope stabilization

Erosion and sediment control best-management practices (BMP) will be installed and maintained before, during, and after construction activities. BMP's are identified on the Erosion and Sediment Control plans in the construction drawings. BMP's will be maintained until areas of disturbance are considered stabilized. A variety of materials and practices to reduce erosion and sedimentation from construction activities will be employed, and may include the use of fiber rolls, silt fences, sand bag check dams, earthen berms, and stormwater run-off control for upland erosion mitigation. Other considerations will include working in dry-season windows whenever possible to reduce the erosion potential caused by storm events in the wet season. Permanent stabilization measures include providing crushed rock road surface on existing native soil surfaces at access roads and camp sites which will help reduce existing erosion concerns. Any new cut slopes are designed to be a maximum of 2:1 and fill slopes 3:1, with all such disturbed areas to be hydroseeded using a soil stabilizing tackifier and wood cellulose fiber.

Environmental Effects

This project will provide improved conditions with regard to slope stability, soil erosion and water quality. While a small area of new slopes will be created, the installation of crushed rock or concrete road, parking, and boat ramp surfaces will provide a more stabilized surface for vehicles and reduce the overall potential for erosion and water quality degradation in the project area. BMP's, as described above, should ensure potential erosion and water quality issues are controlled during construction.

Many species of bird, mammal, and herptile (amphibians and reptiles) are found in the project area. Based on IPC's wildlife risk analysis, four wildlife groups (shrubland birds, shrubland herptiles, grassland herptiles, and riparian dwellers) are most vulnerable to habitat damage and disturbance currently caused by dispersed recreational activities. These four wildlife groups would benefit substantially from protection of existing habitat, restoration of habitat, closure of unauthorized and unnecessary roads, and control of dispersed recreation. The proposed recreation improvements will directly benefit upland and riparian species that depend on the habitat affected by human use and access, including special status species.

The expansion of the impromptu road system, both upstream and downstream of Swan Falls Dam on IPC-owned lands, has impacted soil resources and caused significant soil erosion, potentially affecting water quality. Delineation of designated recreation sites, restriction of vehicular traffic to designated areas, decommissioning of impromptu roads, and revegetation efforts will protect and enhance upland habitat, conditions for species depending on such habitat, minimize soil erosion, enhance visual values, improve recreational enjoyment of the area, and enhance water quality and aquatic resources. IPC, as part of the FERC relicensing process, has implemented a Recreation Management Plan, Water Quality Monitoring Plan and Wildlife Habitat and Protection Plan which includes monitoring of special status species. Detailed information on the environmental effects can be found in the Final Environmental Impact Statement for Hydropower License completed by IPC in August of 2010.

4.0 HYDRAULICS

The project scope includes the design of a rock jetty near the downstream boat ramp to reduce recirculating flows, erosion and deposition in the eddy, replacement of the two existing CMP culverts with one new 48-inch diameter concrete culvert, and the excavation of a side channel with an overall length of approximately 3,000-feet. The tailrace was analyzed using a 2-dimensional finite element hydraulic model and this modeling effort is documented in the Hydraulic Modeling Technical Memorandum dated November 15, 2013, and is included in Appendix B.

The jetty, culvert and side channel of portion of the project was originally to be constructed in 2014, but has since seen a potential change in schedule and will be permitted separately from the recreation improvements. Therefore, the remaining work items to be completed below the 100-year water surface elevation include the following:

- Minor grading and gravel surfacing at camp sites 5, 6, 7, 8, 9, 10, 13, and 14. In most cases soil will be excavated and replaced with gravel surfacing, resulting in minimal additional fill.
- Construction of gabion stabilization walls less than 3-feet tall at camp sites 5, 6, 7 and 13.
- Placement of landscaping boulders at the camp sites to direct traffic and use.
- Placement of fire rings at each camp site.

Based on the size of the channel downstream from the dam and the volume of the materials to be included at the camp sites, the impact on the flow prism is not significant and therefore is unlikely to result in a detectable rise in the 100-year water surface elevation.

5.0 GEOTECHNICAL

Most of the ground disturbing work consists of shallow excavation and surfacing for gravel roads and camp sites. The only significant roadway cut occurs near camp site 20 and will be sloped at approximately 2 horizontal to 1 vertical. The contractor will be given the option of conditioning and reusing the excavated roadway soils as the roadway sub-base, or disposing of it in areas to be re-seeded and importing suitable fill. To aid the contractor in making this decision, Strata has provided a soils investigation based on three hand dug samples in the existing primitive dirt

roads. The geotechnical investigation indicated that the soils between the road and the river primarily consist of silty sands, and the soils above the gravel road consist of weakly cemented sandy clay. The geotechnical investigation is included in Appendix A.

6.0 VISUAL IMPACT ANALYSIS

All efforts have been made to minimize the visual impacts of the proposed site improvements. The scenic qualities of the Snake River canyon in this location are one of the many reasons recreationists spend time in the vicinity of the Swan Falls Dam, and therefore, the intent of the project is to maintain the landscape character intact for visitors to the new recreation facilities, and to actually restore some of the landscape integrity with revegetation of roads and rehabilitation of camping areas. IPC has its own Visual Design Guidelines, which have been followed with regard to the following three principles:

- Considering the siting or location of the improvement.
- Avoiding unnecessary disturbance in the process of making improvements.
- Incorporating the visual elements of form, line, color, and texture of the existing landscape into the project design.

The majority of the site improvements will occur in areas with existing ground disturbance, are replacing/updating similar existing facilities such as boat docks and ramps, or will rehabilitate disturbed areas with seeding of native vegetation. Therefore, the visual impacts are minimal, or actually improve the scenic integrity of the landscape. The following addresses the specific information required by the Hillside Development application requirements with regard to visual impact:

Key Vantage Points

Vantage points in the Swan Falls Dam recreation area include Swan Falls Road as it descends from the canyon rim, Swan Falls Park, and the main BLM access road that runs approximately parallel to the Snake River. Some of the dispersed camp sites that are being improved are directly adjacent to the BLM road and within view. These sites are already disturbed areas used for camping, and improvements are limited to upgrading the road surface to crushed rock from the eroded native surface, providing a metal fire ring, and restoring natural grades and vegetation where required. Site development at Swan Falls Park will be visible from within the park and from Swan Falls Road as it descends from the canyon rim. New development is limited to two small new parking areas (6 stalls or less), new concrete pathways and picnic tables, a new boat dock and a new picnic shelter. The parking and pathways will blend with the existing park character and enable better access to and within the park. The picnic shelter is to be of an architectural character that blends with existing historic buildings on site, and is sited back from the reservoir edge close to mature trees to limit its visual impact. The floating dock will be a new addition to the park landscape, but its slight visual intrusion is tempered by the fact that visitors to the park and reservoir expect to see such facilities in a recreational aquatic environment.

Screening

No screening, as such, is proposed as all site improvements have been designed to blend with the existing landscape and with the expectations that visitors have of the recreational opportunities in

the Swan Falls Dam area. New structures proposed include the picnic shelter mentioned above and three single vault restroom buildings. One of these restrooms is proposed at each of the upgraded boat ramp locations, and the third at the group campsite at the north end of the project area. The buildings are typical of those used at outdoor recreational areas in Idaho, and will have colors and materials selected to blend with those found in the surrounding landscape. They will be a visual improvement over the portable toilets currently on site. Improved boat ramps, docks, and camp sites are all in locations with uses similar to existing. Materials include concrete ramps, crushed rock road surfaces, and decomposed granite at camp sites which should limit their visual impact. Boulders and fencing will be installed along road edges in an effort to keep vehicles from going off-road. Boulders will be required to match the natural rock material (basalt boulders) found on site. New fencing will match the existing simple three-strand wire fencing currently found on site.

Vegetation

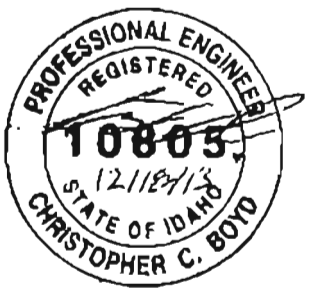
All existing vegetation is proposed to be retained with the exception of the removal of very minor amounts of native shrubs to improve road access to camp sites for safety or functionality, and lawn removed in the park to enable installation of the new pathways, parking and picnic shelter. New planting includes restoration of over five acres of existing roadways, proposed to be seeded with native shrubs and grasses, and new tree planting in Swan Falls Park. Overall, visual quality for the project area should be improved with the vegetation restoration proposals.

Grading

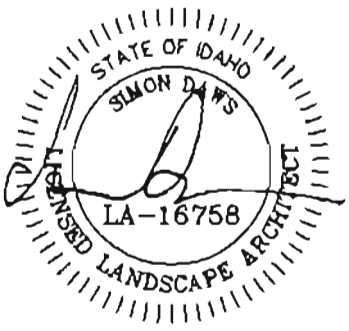
No significant grading operations are proposed as a result of the site improvements. Roads, campsites and boat ramps are primarily designed to match existing grades. Any cut and fill requirements for these locations are generally minor and in some cases may actually restore natural grades that have been altered due to off-road driving and erosion. Two areas of grading that will have some significance visually include cutting into an existing slope to create a level area for parking and a CXT restroom at the reservoir boat ramp, and a road cut for a vehicle turnaround at the south end of the project area. The latter area is in an area of high erosion/off – road driving currently, and will benefit visually from the proposed reseeding with native species in this area. The re-grading at the boat ramp will be engineered with a rock retaining wall using material that blends with the rock found locally, and native reseeding will help to soften the visual impact of this wall over time.

7.0 SUMMARY

As requested by IPC, our team has evaluated the hydraulic, terrestrial, and visual impacts that the proposed project will have on the project area. It is our goal that this information will be suitable for Ada County's review and approval for the proposed project.



Chris Boyd, P.E.
Project Manager
McMillen, LLC



Simon Daws
Landscape Architect
The Land Group

STRATA
A PROFESSIONAL SERVICES CORPORATION
Integrity from the Ground Up

December 16, 2013
File: BO13544A

Mr. Chris Boyd
McMillen, LLC
1401 Shoreline Dr., Ste. 100
Boise, ID 83702

RE: **LETTER**
Limited Geotechnical Evaluation
Swan Falls Recreation Improvements
Ada County, Idaho

Dear Chris:

Strata, A Professional Services Corporation (STRATA) is pleased to provide this limited geotechnical evaluation for the recreation improvements near Swan Falls Dam for Idaho Power in Ada County, Idaho. We understand the recreation improvement project will include improving existing roadways which service campground sites above and below Swan Falls Dam. The roadway improvements will include grading of existing subgrade soils and providing an aggregate finished road surface. Specifically, you have requested we retain roadway subgrade samples at a depth of approximately 12 inches at roadway A and campsite CS11-12 below the dam and roadway E above the dam. We also understand a new pile for a buoy line anchorage along with a new floating dock is planned just upstream from the dam.

STRATA's scope of work is limited to providing physical properties for the road subgrade soils including moisture content, grain size and Atterberg limits. Additionally, we have performed a modified proctor compaction curve and evaluated compaction criteria for the most common roadway subgrade soils. For the anchorage buoy pile and the new piles for the floating dock, we have prepared a preliminary pile design for the anticipated lateral loading and allowable deflection provided by McMillen. The following paragraphs present the results of our limited study.

Roadway Subgrade

On November 12, 2013, STRATA hand excavated test pits to a depth of approximately 12 to 18 inches at roadways A and E and the access road at campsite CS11-12, as designated by McMillen. The subgrade soil at roadways A and E consisted of silty fine sand (SM). The subgrade soil at roadway CS11-12 consisted of variably cemented sandy clay (CL). The results of our grain size analyses, moisture contents and Atterberg limits are presented in Appendix A. Since the silty fine sand soil appeared to be predominant at roadways A and E, a modified proctor compaction test

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was accomplished on this material and is presented in Appendix A. Laboratory testing was accomplished referencing ASTM standards.

It is our opinion the roadway subgrades should be prepared by scarifying and moisture conditioning the existing soils at subgrade to a minimum depth of 8 inches and compacting the subgrade to a minimum of 90% of ASTM D-1557 Modified Proctor compaction. The existing moisture content for the soil samples we collected were below optimum moisture for compaction; therefore, adding moisture to these soils should be expected. However, it should be noted the silty sand and sandy clay are moisture sensitive soils and can be difficult to compact during inclement wet weather. Any of the roadway subgrade soils that will be excavated and used for structural fill should also be moisture conditioned and compacted to the above compaction criteria.

Buoy Pile

The buoy line pile is planned to be constructed near the shoreline upstream from the dam in the vicinity of drill hole location DH-11 from previous Idaho Power exploration for the Swan Falls dam site. The subsurface conditions from the drill hole and the geology in the area consists of alluvial gravel with sand and occasional boulders to a depth of approximately 30 feet. Within this alluvial deposit are interspersed, sporadic, thin sandy/silty clay lenses. Beneath the alluvial gravel deposit from a depth of 30 to approximately 60 feet is an over-consolidated blue silty clay of the Hagerman Type. According to the drill log, boulders were encountered at a depth of 10 to 12 feet and at 24 to 30 feet beneath the ground surface.

We understand the buoy line pile will be subject to a horizontal load up to approximately 30 kips and will be geometrically oriented as shown on the attached sketch by McMillen in Appendix B. Based on the potentially hard driving conditions (gravel with boulders), we recommend a stiff pipe pile section with a wall thickness of ½-inch be considered to reduce the potential for damage to the pile during driving. We evaluated 14 and 16-inch-diameter by ½-inch wall open end pipe pile driven approximately 22 feet into the underlying alluvial gravel formation. We performed a lateral load analysis using the computer software LPILE +5.0 using the subsurface data from the drill log and the geometry from the McMillen sketch. The results of our analyses are attached in Appendix B, including lateral load deflection and moment distribution in the pile.

The results of our analysis show that the 14-inch-diameter by ½-inch wall open end pipe pile driven 22 feet below the ground surface can support the 30 kip lateral load with approximately 4 inches of lateral deflection. A 16-inch-diameter by ½-inch wall open end pipe pile will reduce the deflection to approximately 2.6 inches. We understand that movements up to approximately 6 inches of lateral deflection are acceptable.

Boat Dock Piles

We understand the boat dock will be located just upstream from the dam site and the planned new buoy pile. Therefore, the anticipated subsurface conditions at the boat dock is assumed to be similar to the conditions outlined above in the *Buoy Pile* section. The geometry for the boat dock piles is presented in the sketch by McMillen in Appendix B. The floating dock is anticipated to be approximately 10 feet above the mud line for the Snake River and the piles are planned to be subjected to approximately 1.5 kips of lateral load. We evaluated open end pipe piles with a diameter of 8.625 inches and 10.75 inches with a ½-inch wall thickness. The results of our lateral load analysis are presented in Appendix B.

The 8.625-inch-diameter by ½-inch wall open end pipe pile with an overall length of approximately 25 feet driven 15 feet below the mud line will support the 1.5 kip lateral load with approximately 1-inch of lateral deflection. The 10.75-inch-diameter ½-inch wall open end pipe pile will reduce the deflection to approximately 0.5 inches. We understand that lateral movement up to 1-inch is acceptable.

Pile Driving Considerations

Both the buoy line and boat dock piles are planned to be approximately 25 feet in overall length. The buoy pile is planned to be driven approximately 22 feet into the alluvial gravel with boulders, while the boat dock piles are planned to be driven 15 feet into the gravel alluvium. The presence of boulders may impact the ability of the piles to be driven to the required depth of embedment. Therefore, it may be necessary to adjust the location of the piles to avoid boulders or it may be necessary to evaluate the driven embedment of the pile with respect to pile refusal on boulders. STRATA can be available to evaluate field conditions as required.

The pile hammer should be selected appropriately to drive the buoy and boat dock piles to the required embedment depth without damaging the pile. We anticipate a hammer with a minimum energy of 30,000 to 40,000 ft-lbs will be required, particularly to drive the 14- to 16-inch buoy pile.

Construction Observation and Testing

We recommend STRATA be retained to provide construction observation and testing during the earthwork grading and compaction of the roadway subgrades. Additionally, STRATA can provide construction observation during the installation of the piling for the buoy and boat dock piles. If we are not retained to provide the recommended construction services, we cannot be responsible for any construction-related errors or omissions.

Evaluation Limitations

The geotechnical services provided for the Swan Falls recreation improvements were limited to evaluating the material properties for the roadway subgrade soils at three specific sample locations. Additionally, STRATA provided limited preliminary pile recommendations to evaluate lateral load capacity for the buoy and boat dock piles. Our services consist of professional opinions and findings made in accordance with generally accepted geotechnical engineering principles and practices in southwest Idaho at the time of this report. This acknowledgement is in lieu of all warranties either express or implied.

We appreciate the opportunity to assist you on this phase of the project and look forward to working with you during construction. If you have any questions, please call.

Sincerely,
STRATA, Inc.

Daniel P. Gado

Daniel P. Gado, P.E.
Project Engineer

DPG/nm
Enclosure: Appendix A: Roadway Subgrade Laboratory Test Results
Appendix B: Lateral Load Analyses

APPENDIX A

STRATA

A PROFESSIONAL SERVICES CORPORATION

Integrity from the Ground Up

Summary of Test Results

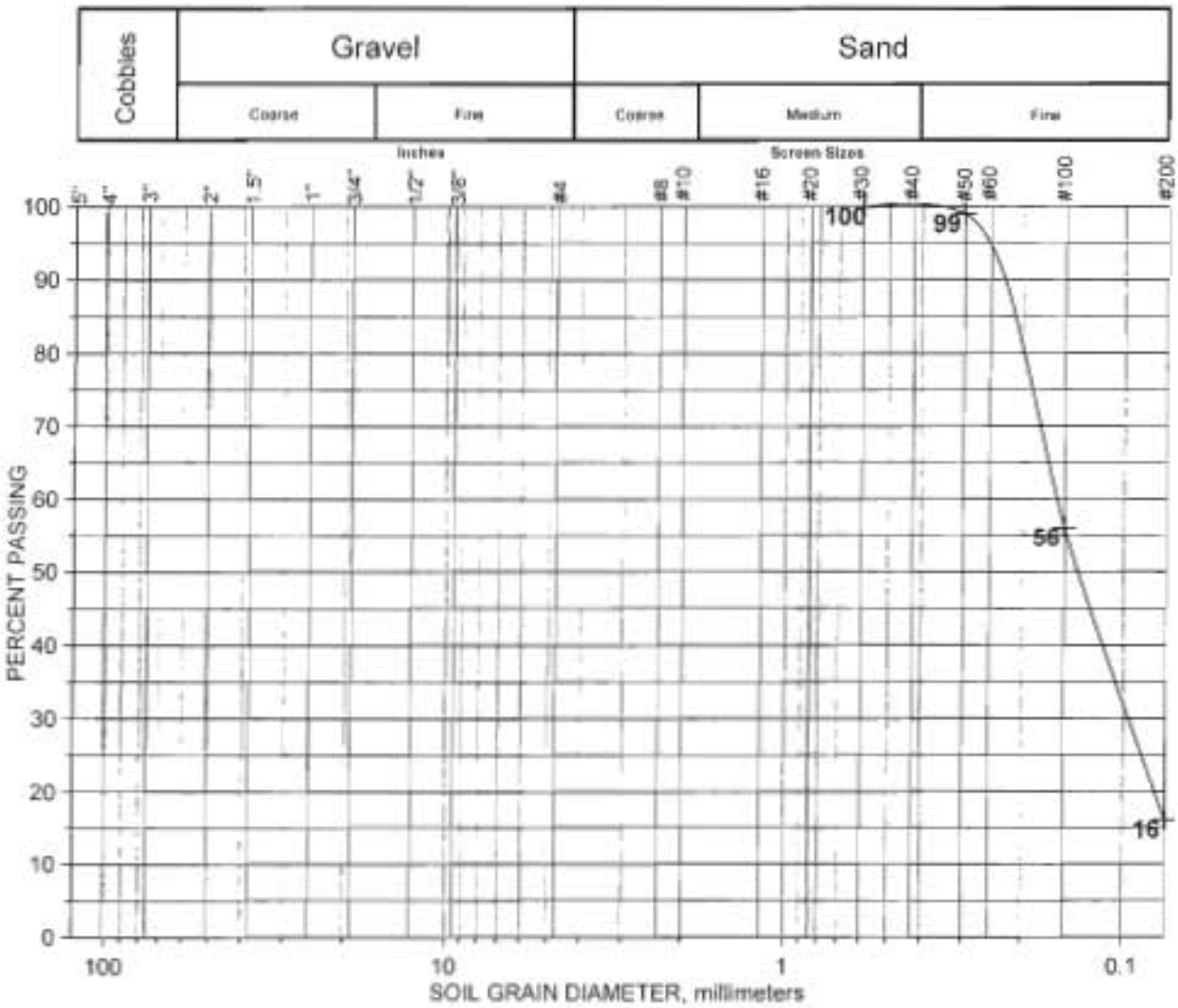
Project: Swan Falls Recreation Improvements Roadway & Dock Structure
Client: McMillen Engineering

Project Number: BO13544A
Date: 12/4/2013

Test Pit	Depth (inches)	Lab Number	Soil Classification (remarks)	Dry Unit Weight, pcf	In Situ Moisture, %	Passing No. 200,%	Atterberg Limits LL	Atterberg Limits PI	Fines Class.
Road A	6	B13L1510	Silty Sand		6.4				
Road A	12	A	Silty Sand		2.4	16			
CS 11/12	0-6	B	Weakly Cemented Sandy Clay		5.4				
CS 11/12	12-18	C	Weakly Cemented Sandy Clay		6.2	59	24	11	CL
Road E	6	D	Silty Sand		4.1				
Road E	12	E	Silty Sand		3.5	32			

GRADATION ANALYSIS
ASTM D 6913

Project: Swan Falls Recreation Improvements Roadway & Dock Structure
Client: McMillen Engineering
Project Number: BO13544A
Lab Number: B13L1510A
Sample Identification: Road A @ 12 inches
Sample Classification: Silty Sand
Date tested: 11/15/13 By: J. Sanders



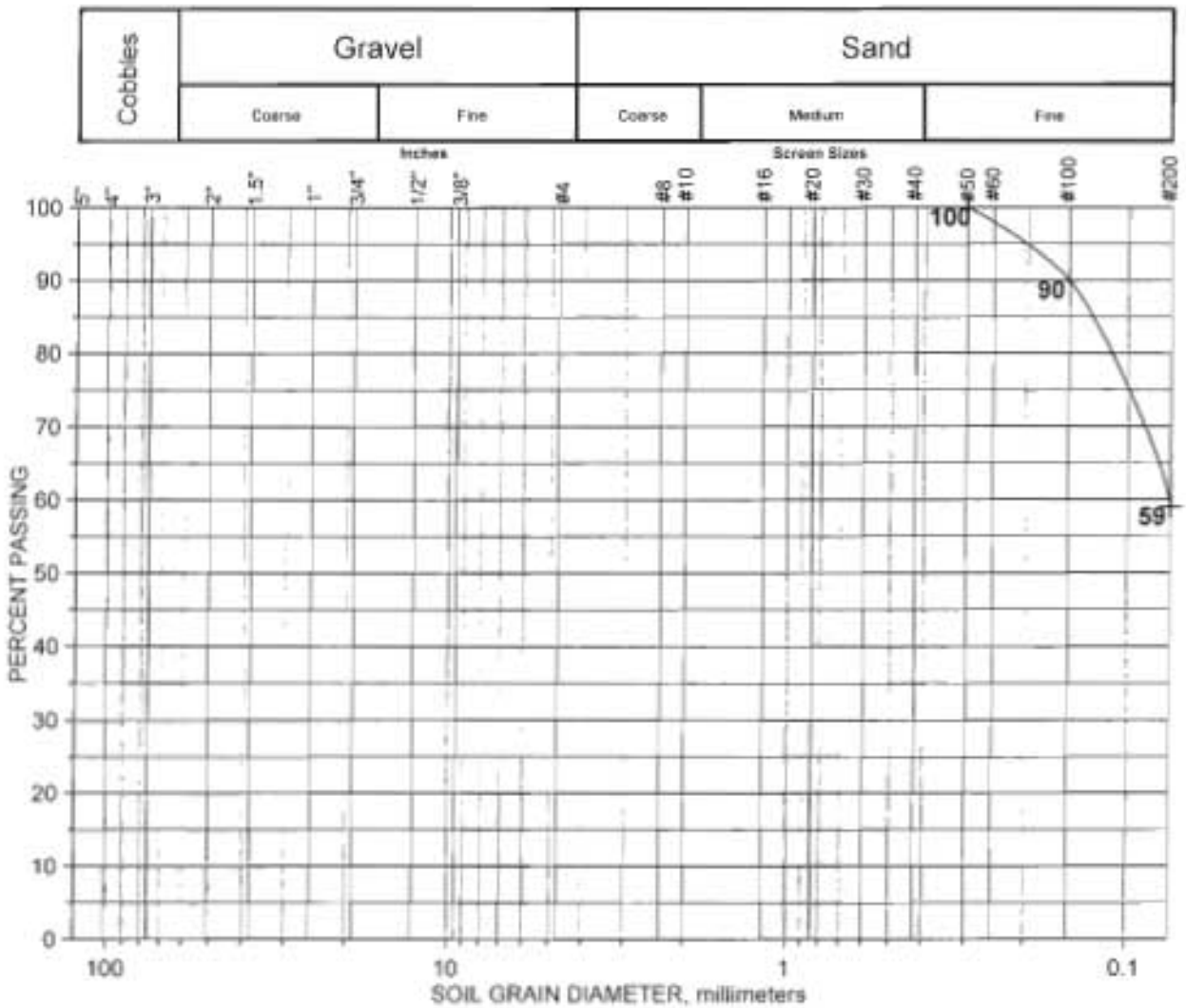
Reviewed by: _____

STRATA

Integrity from the Ground Up

GRADATION ANALYSIS
ASTM D 6913

Project: Swan Falls Recreation Improvements Roadway & Dock Structure
Client: McMillen Engineering
Project Number: BO13544A
Lab Number: B13L1510C
Sample Identification: CS 11/12 @ 12 - 18 inches
Sample Classification: Sandy Clay
Date tested: 11/15/13 By: J. Sanders



Reviewed by: _____

STRATA
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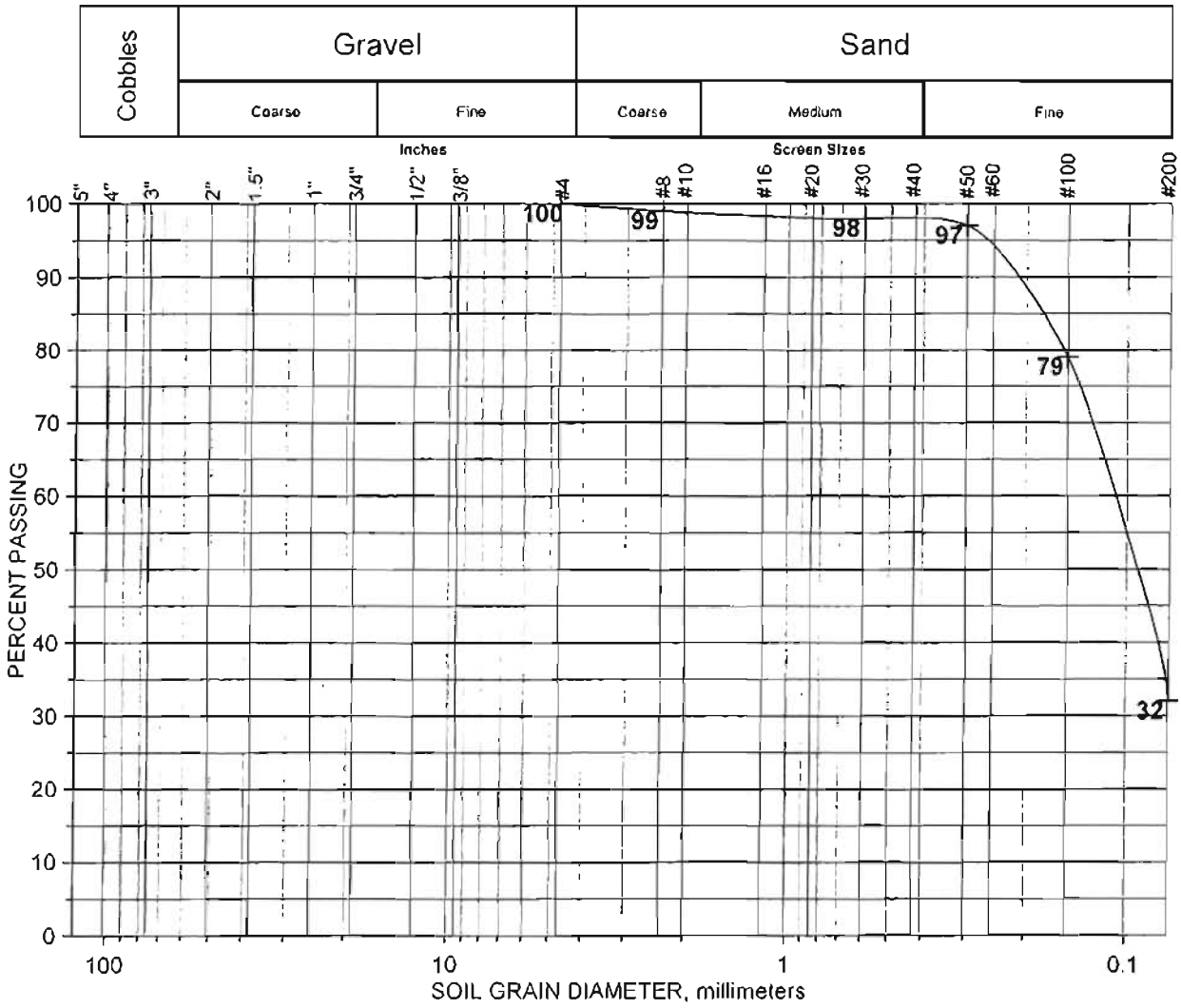
Integrity From the Ground Up

GRADATION ANALYSIS
ASTM D 6913

Project: Swan Falls Recreation Improvements Roadway & Dock Structure
Client: McMillen Engineering
Project Number: BO13544A
Lab Number: B13L1510E
Sample Identification: Road E @ 12 inches
Sample Classification: Silty Sand
Date tested: 11/15/13 By: J. Sanders



Reviewed by: _____

STRATA
A Professional Services Corporation
Integrity From the Ground Up

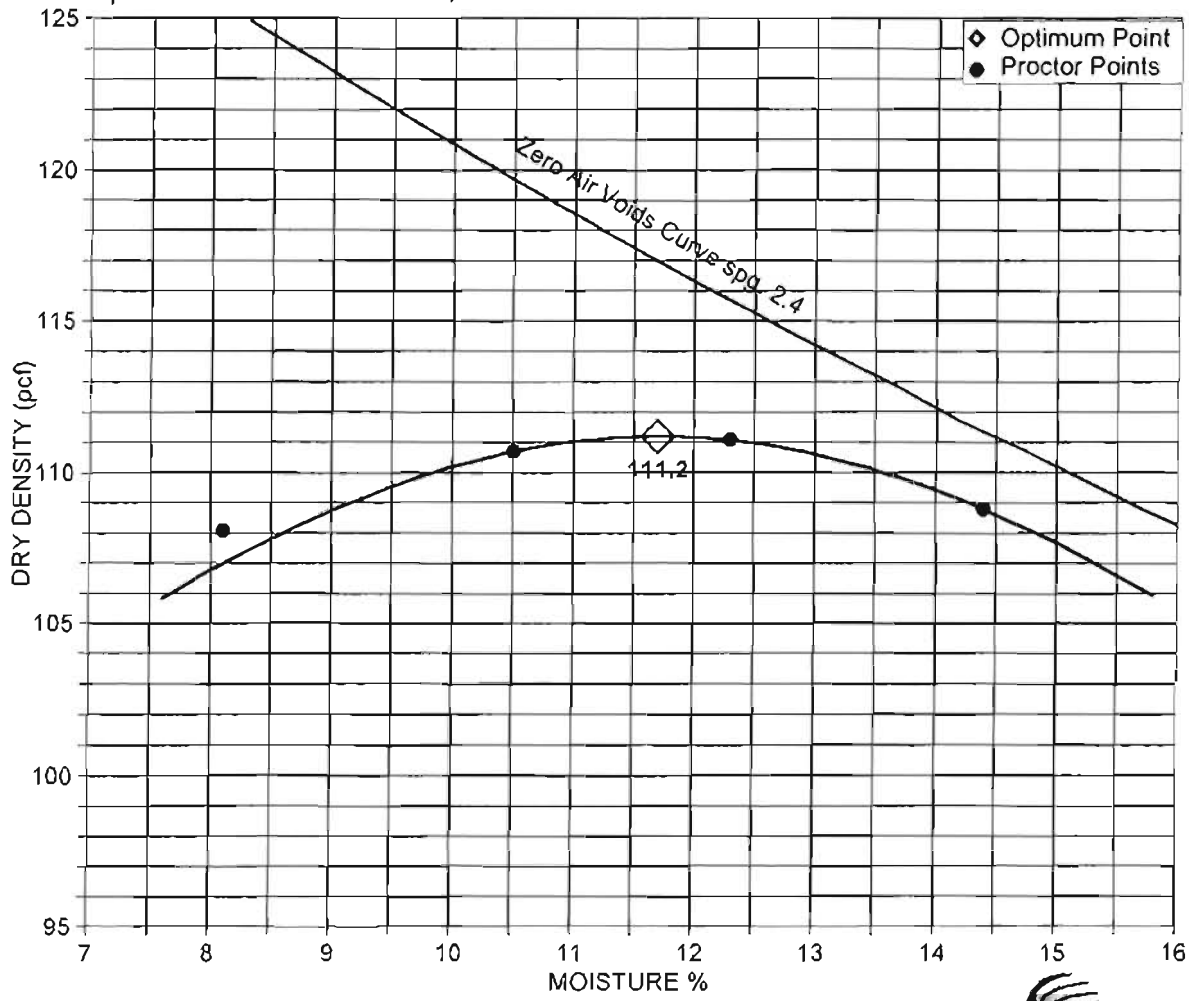
MOISTURE-DENSITY RELATIONSHIP CURVE
ASTM D 1557
Method A

Project: Swan Falls Recreation Improvements Roadway & Dock Structure
Client: McMillen Engineering
Project Number: BO13544A
Lab Number: B13L1510A & E
Sample Identification: Road A & Road E @ 12 inches (Composite)
Sample Classification: Silty Sand
Date Tested: 12/12/13 By: J. Sanders
Soil Tempered: Yes
Rammer Type: Mechanical

GRADING ANALYSIS

SCREEN SIZE	% PASSING	AS TESTED
6 inch		
3 inch		
2 inch		
3/4 inch		
3/8 inch	100	
#4 screen	98	100

Maximum Dry Density, pcf : 111.2
Optimum Moisture Content, %: 11.7



Reviewed By: _____

STRATA
A Professional Services Corporation
Integrity From the Ground Up

APPENDIX B

McMILLEN
DESIGN with Vision. BUILD with Integrity.

Project Swan Falls Recreation
Description Pile Design
Prepared By C. Bayoc

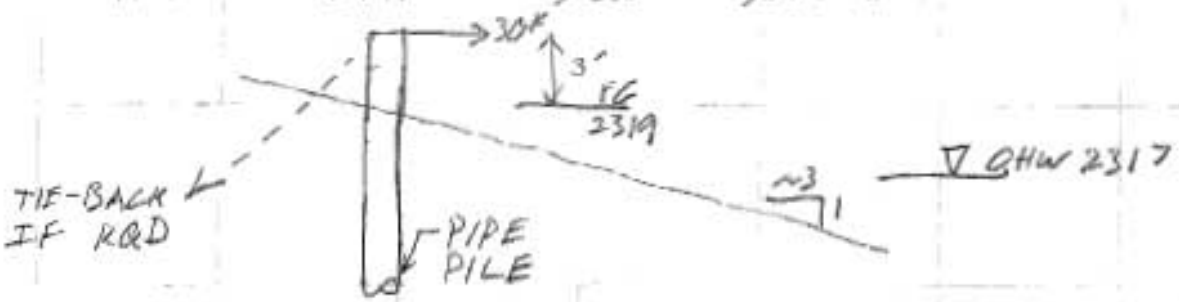
Page ____ of ____
Date 11/22/13
Checked ____
Job No. ____

BUOY LINE PILE

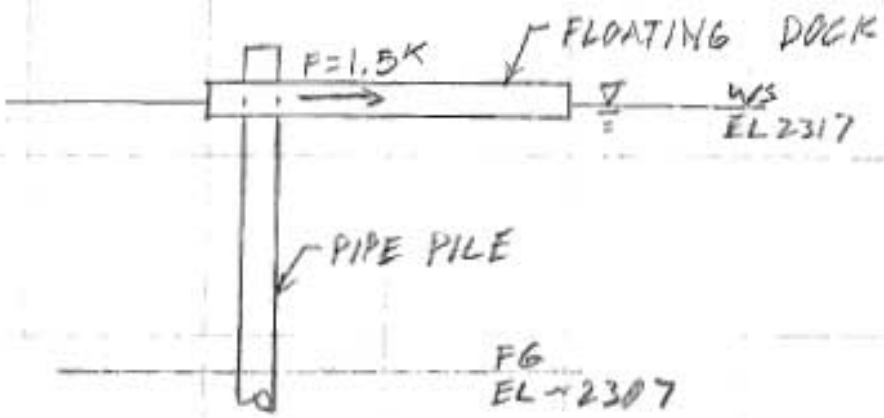
TOP = 2322' (LOAD APPLIED HERE)

GRD LINE = 2319'

HORIZ LOAD = $^{103,400}/_{3.5}$ = 30,000 #



BOAT DOCK PILE

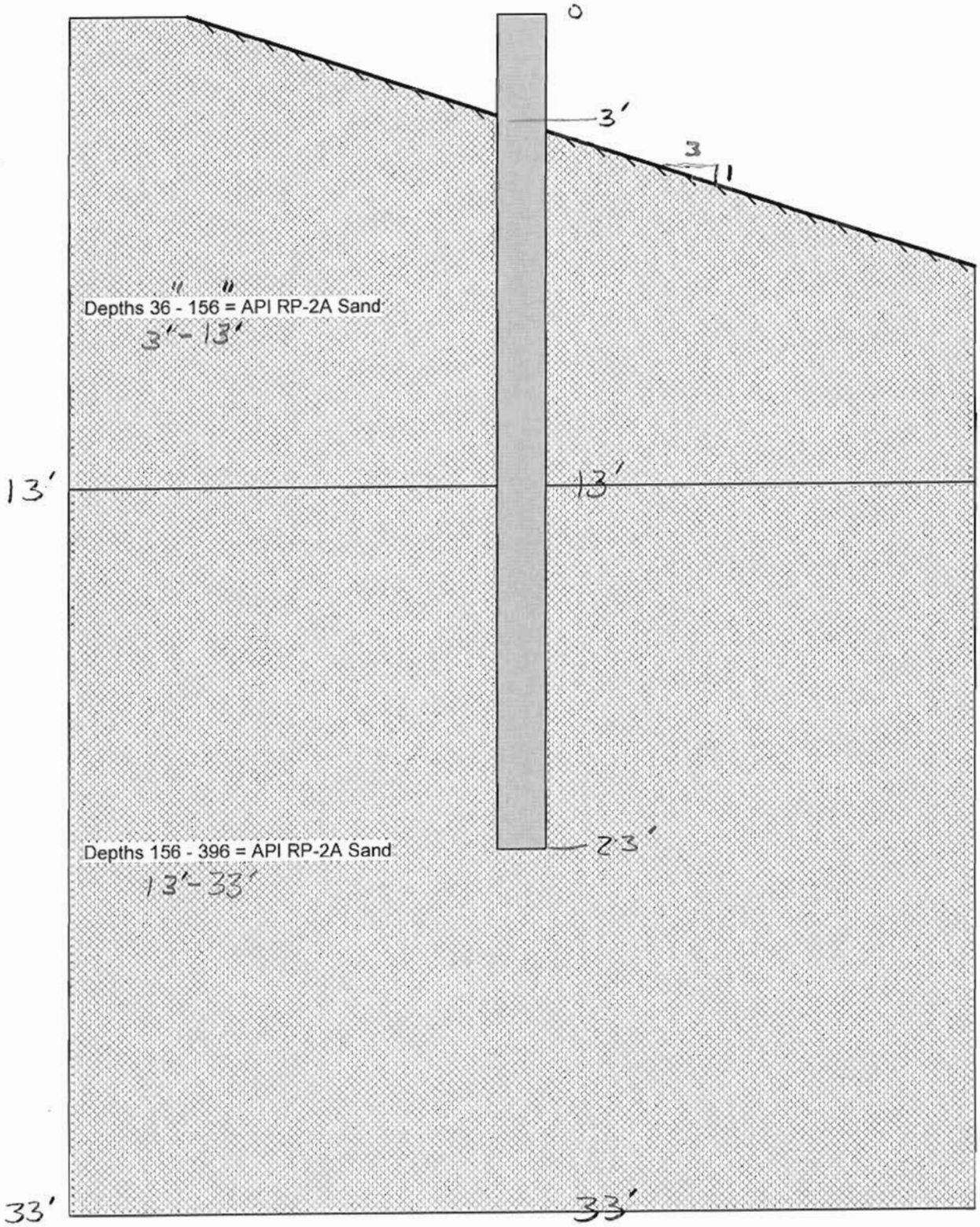


TOP = 2317 (LOAD APPLIED HERE)

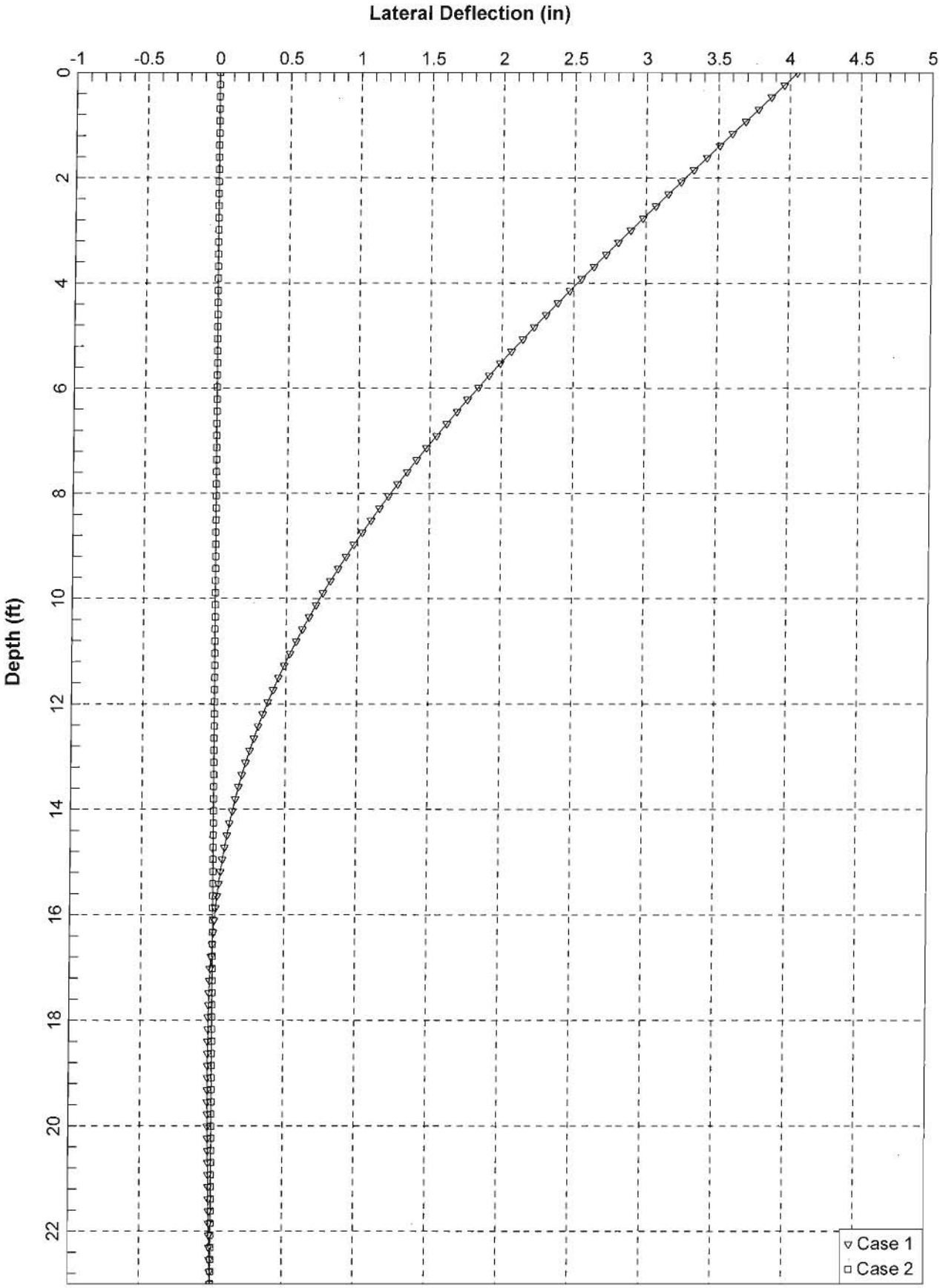
GRD LINE = 2307 (ASSUMED)

HORIZ LOAD = 1,500 #

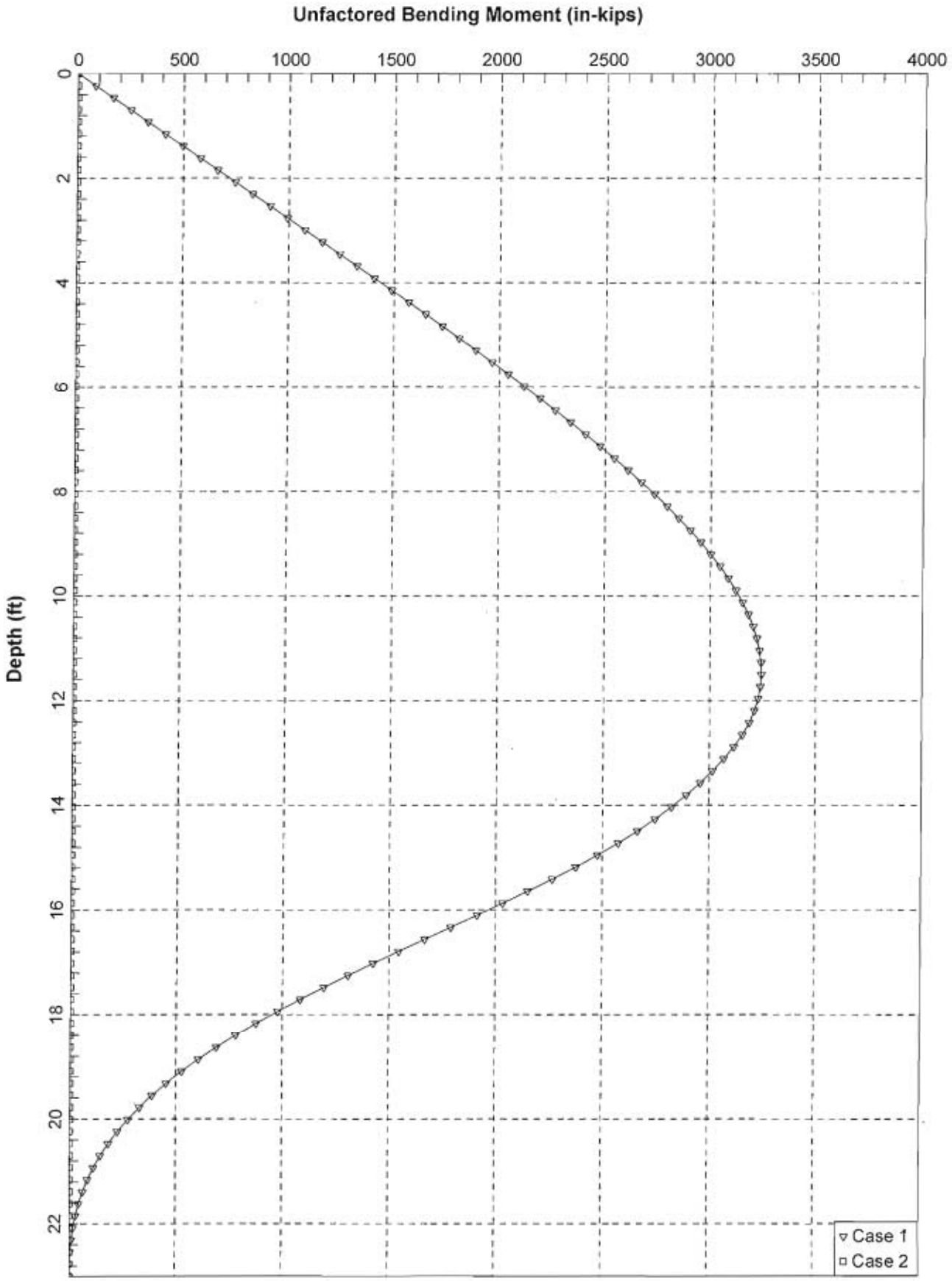
Buoy Pile


0
3'
3
1
Depths 36 - 156 = API RP-2A Sand
3'-13'
13'
13'
Depths 156 - 396 = API RP-2A Sand
13'-33'
23'
33'
33'

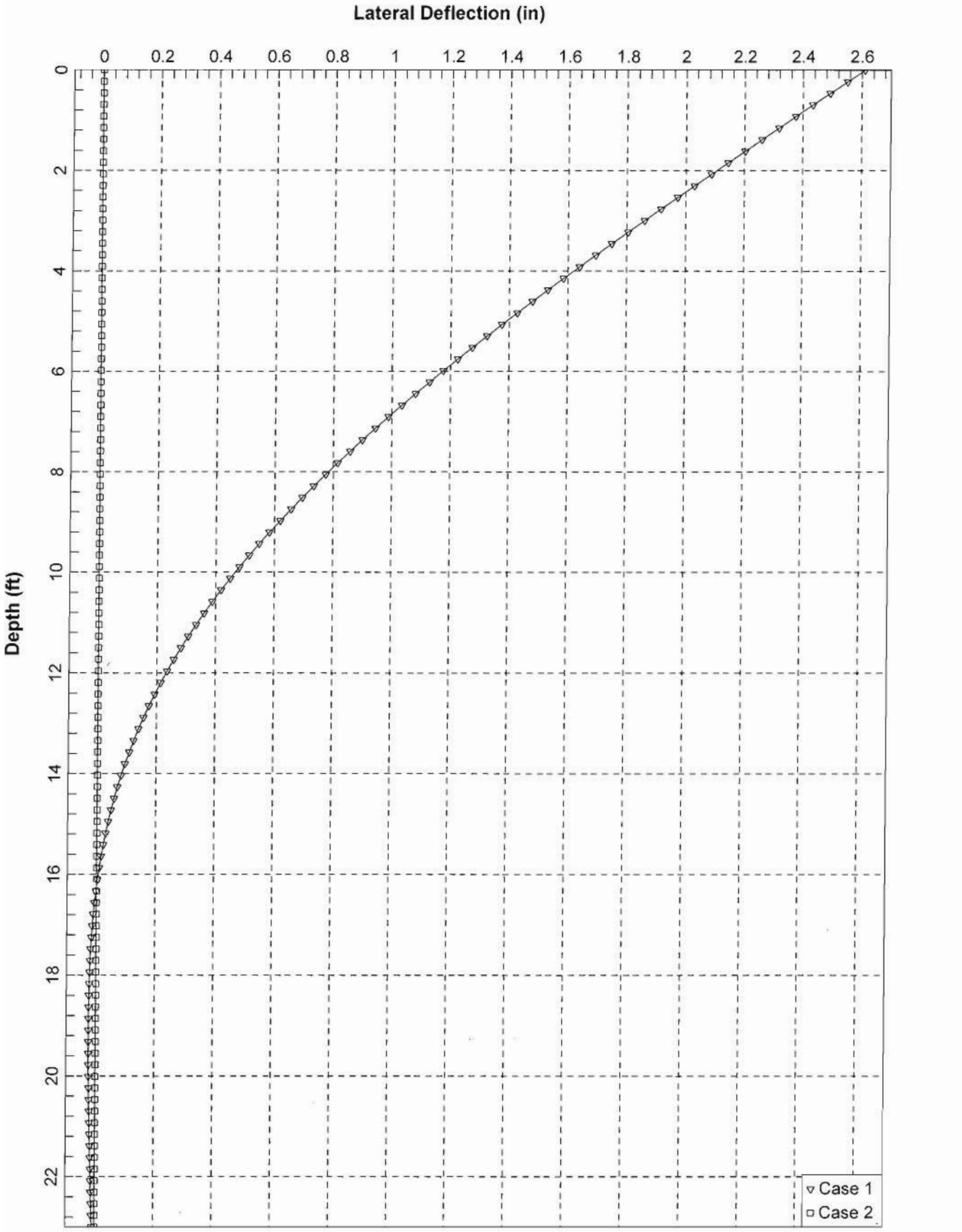
Buoy Pile 14" ϕ ½" Thick



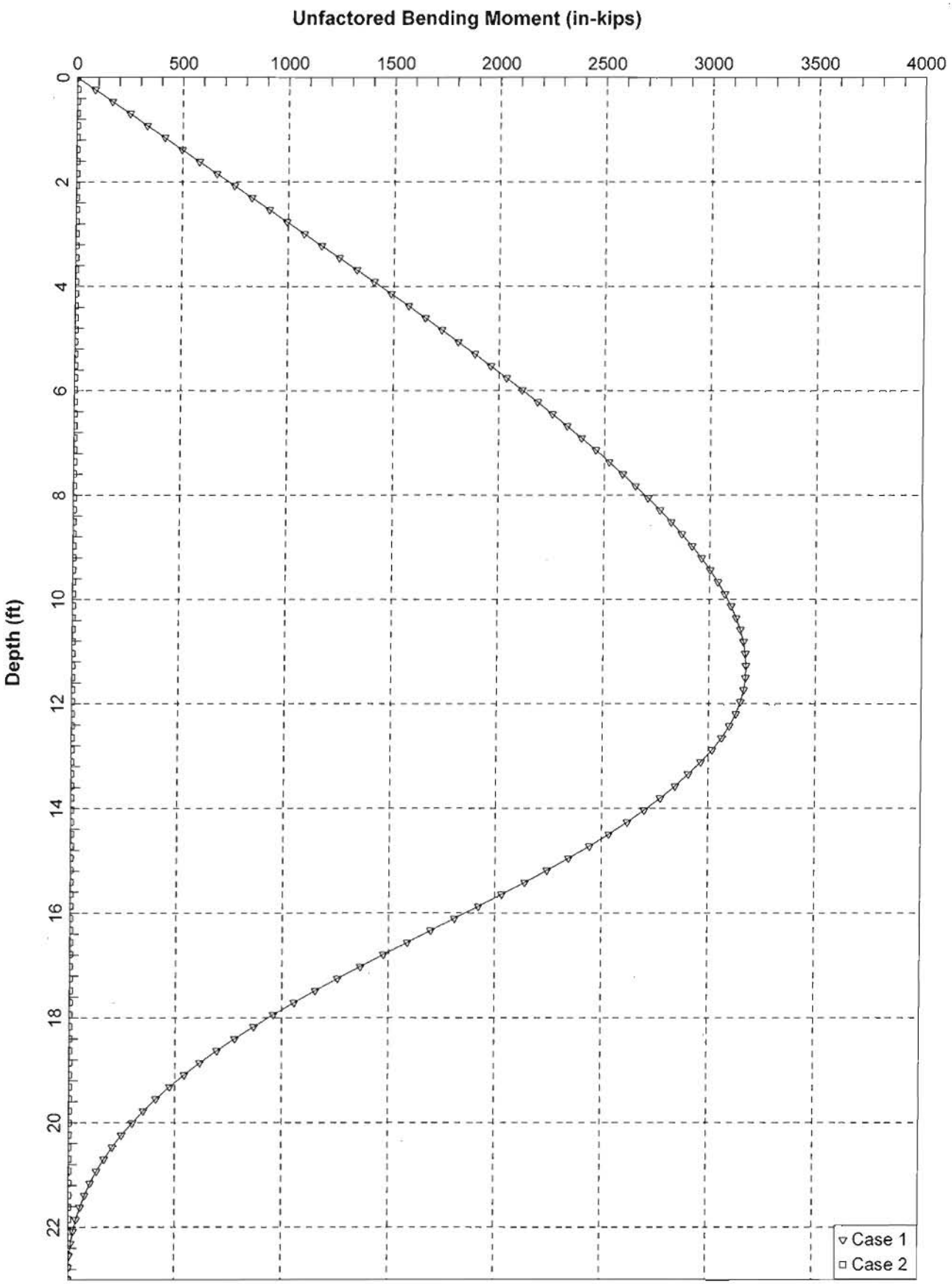
Buoy Pile 14"ϕ ½" Thick



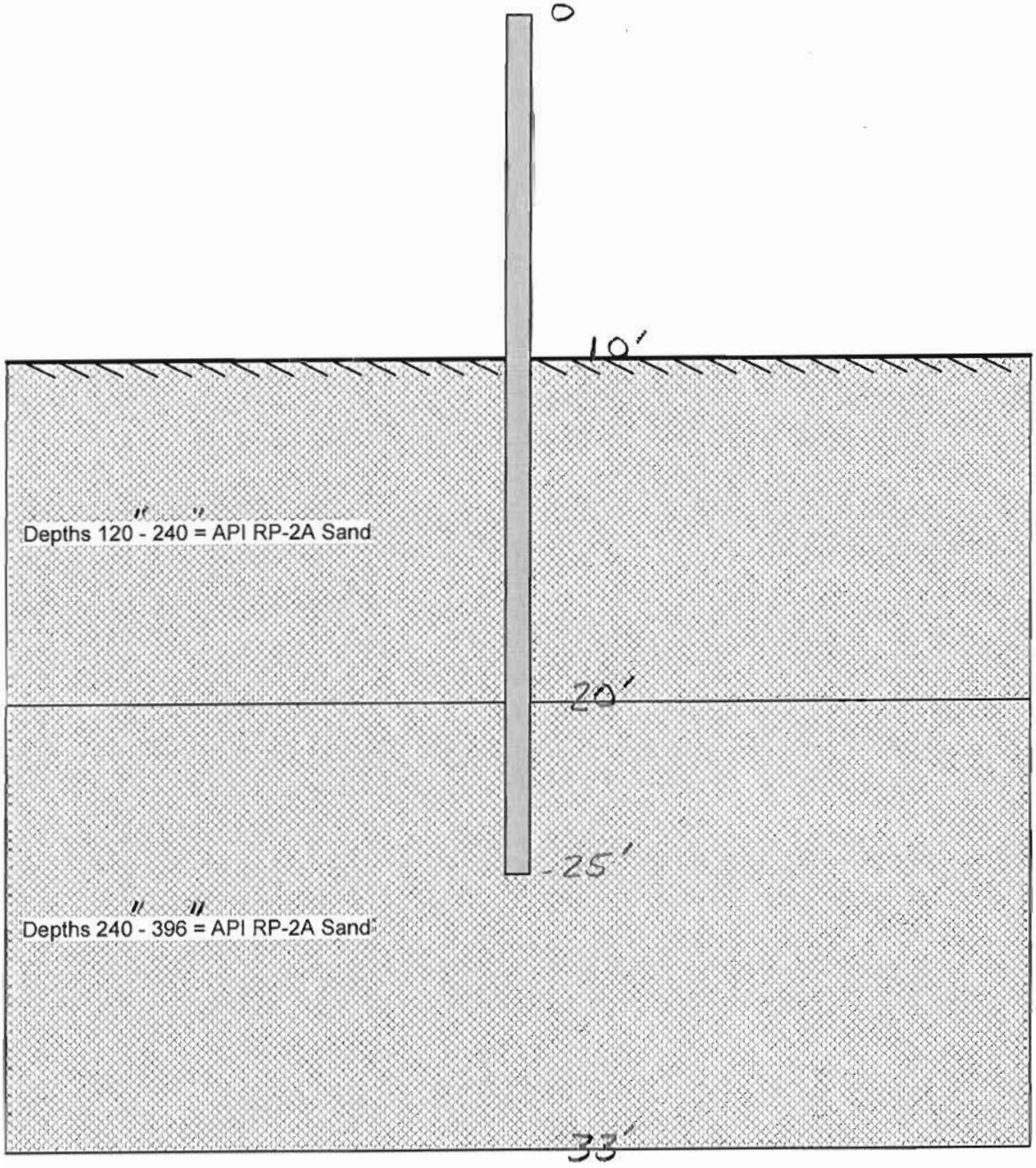
Buoy Pile 16"ϕ ½" Thick



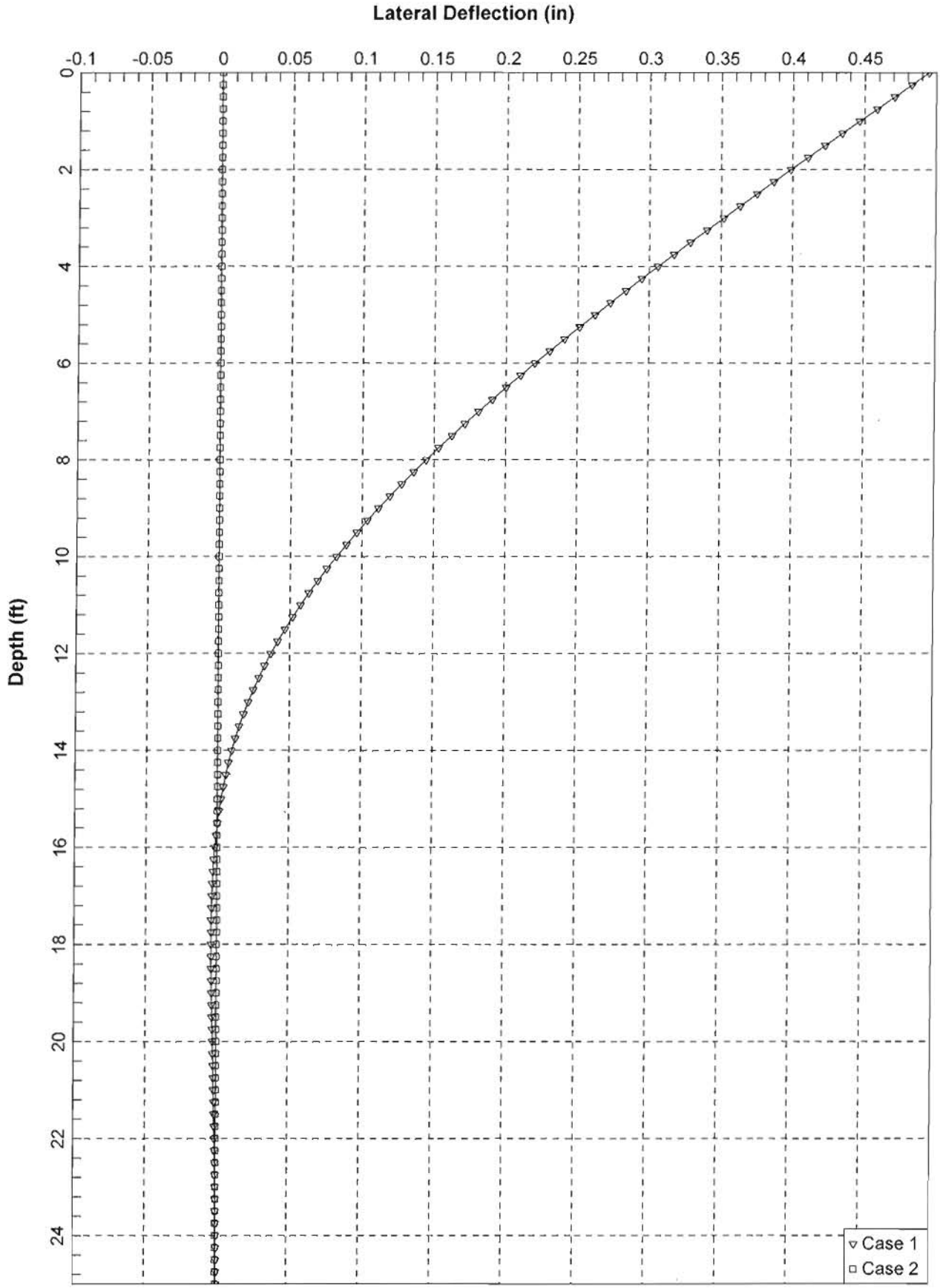
Buoy 16" ϕ ½" Thick pile



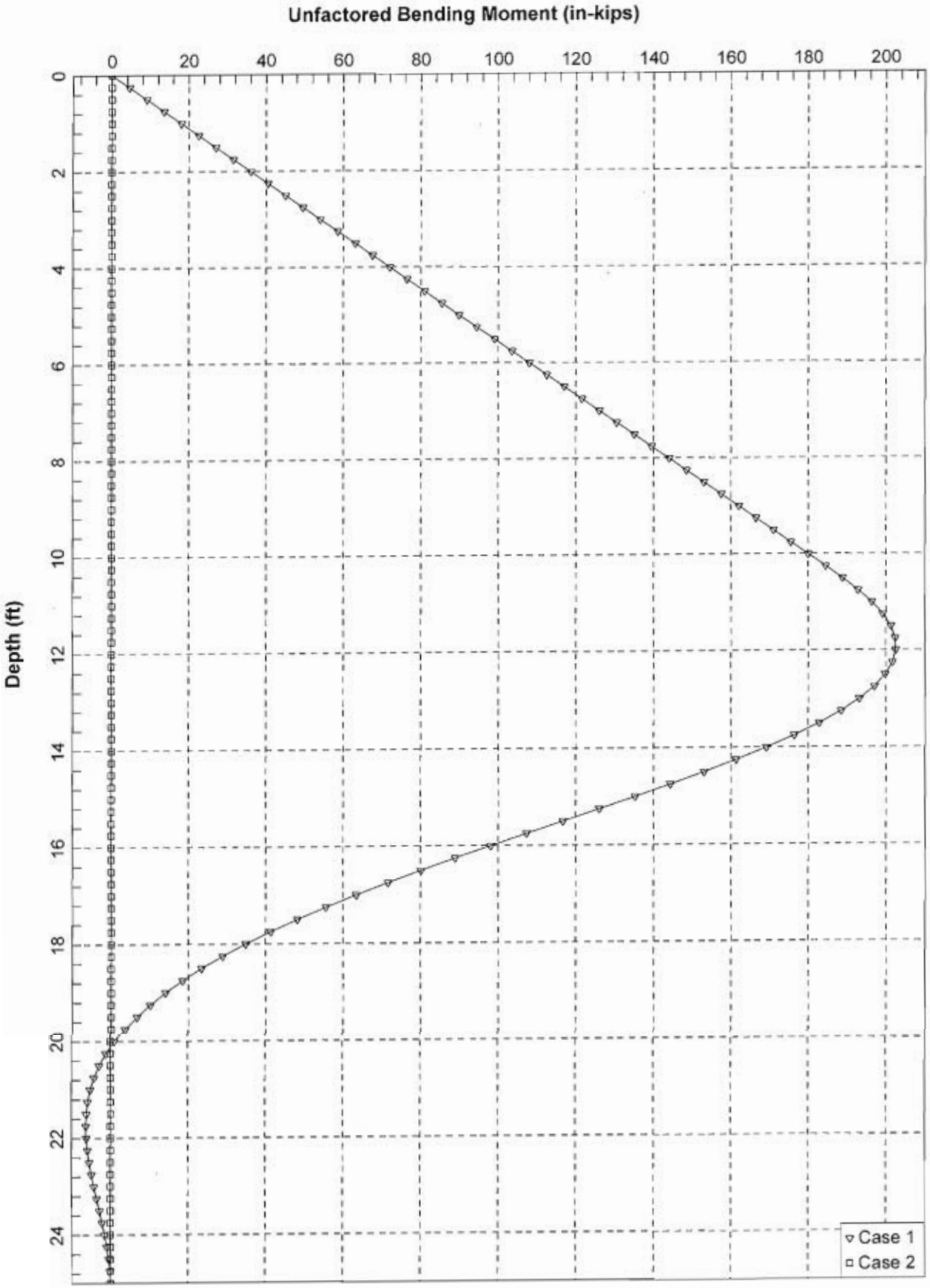
BOAT DOCK PILE



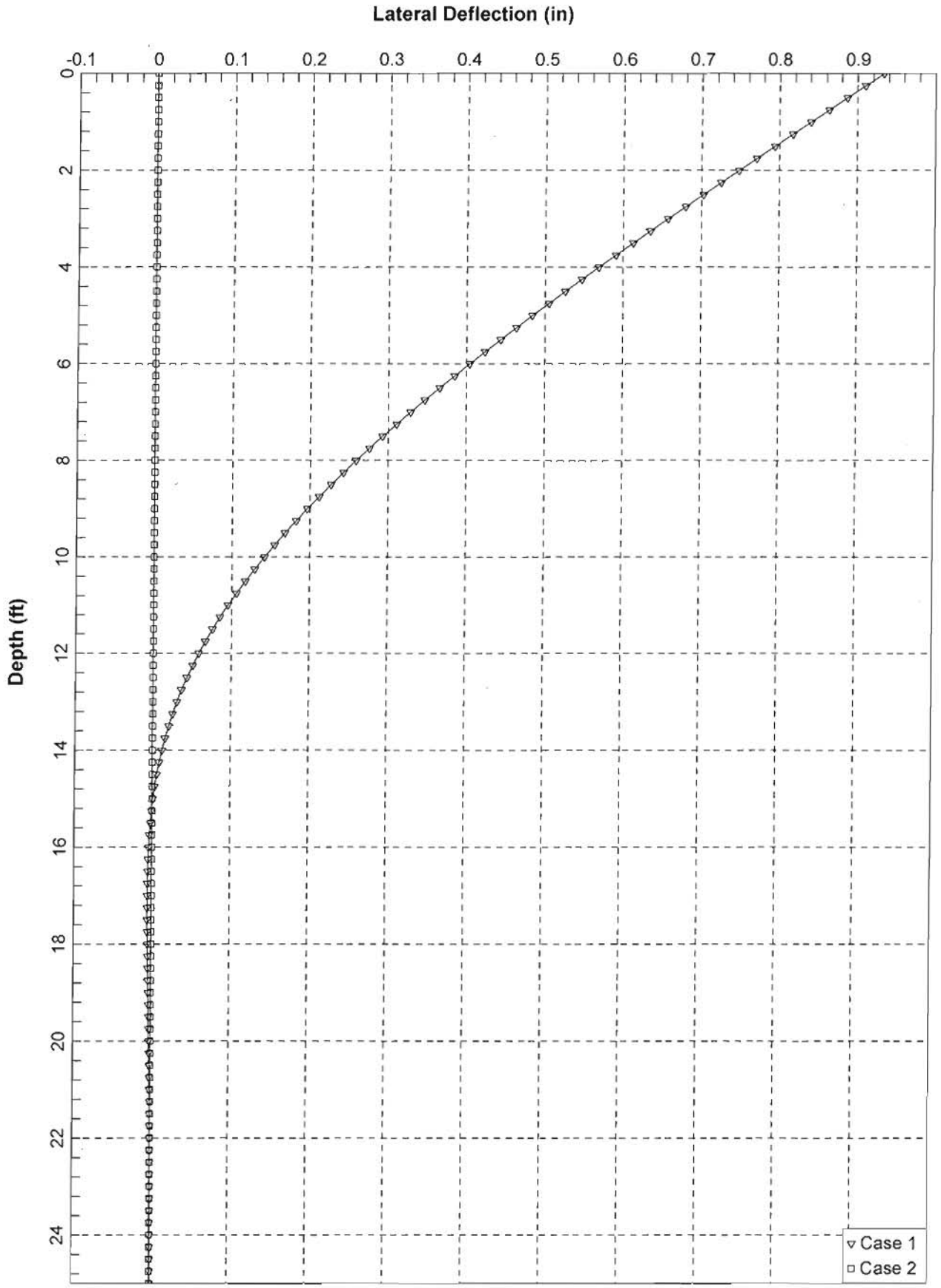
Boat Dock Pile 10.75" OD 0.5" Wall



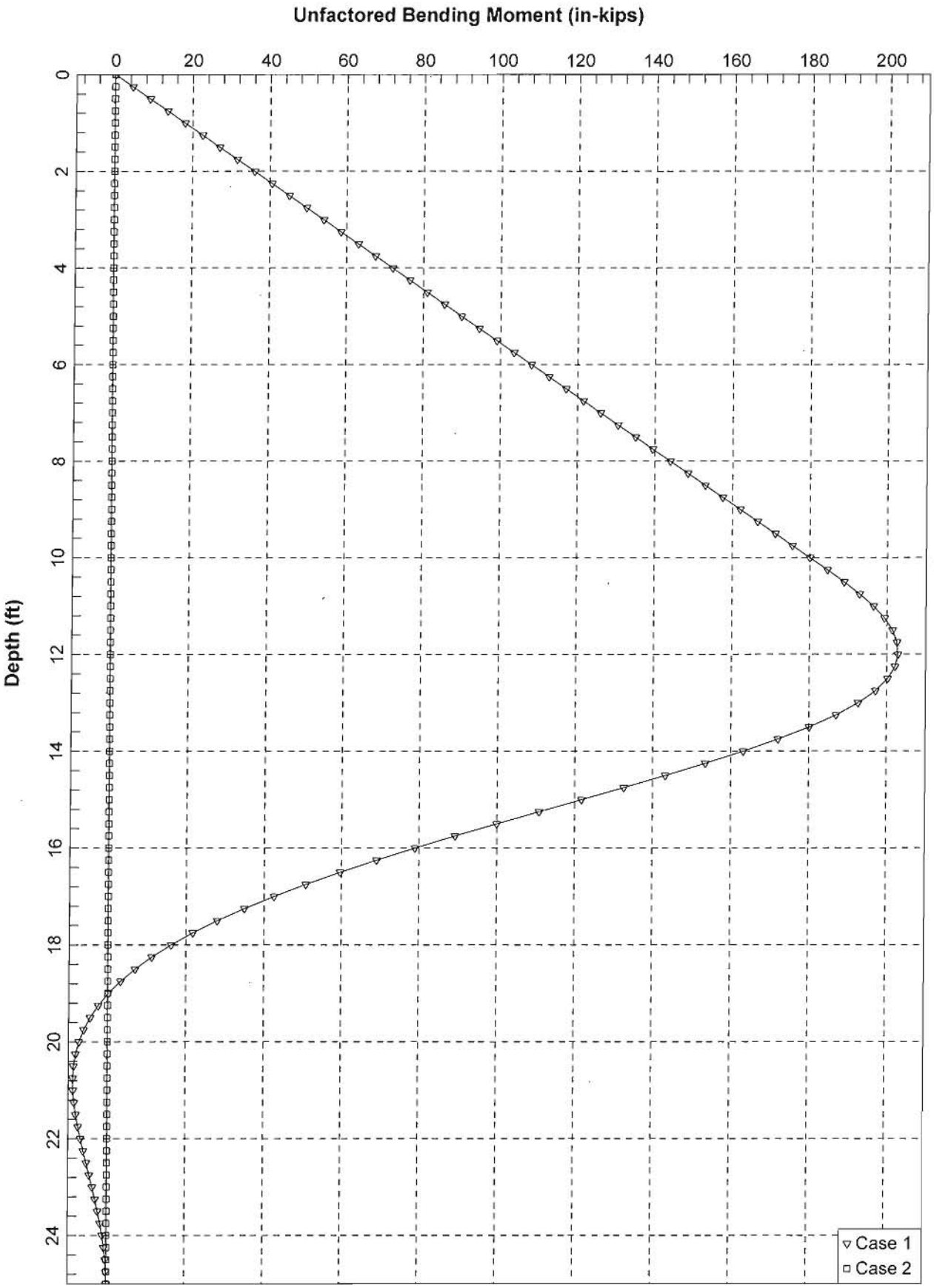
BOAT DOCK PILE 10.75" OD



BOAT DOCK PILE 8 5/8" OD
0.5" WALL



Boat Dock Pile 8 5/8" OD



March 26, 2013

Ms. Kimberly D. Bose, Secretary
Federal Energy Regulatory Commission
888 First Street N.E.
Mail Stop HL-20.2
Washington, D.C. 20426

Re: E-Filing the Visual Guidelines Plan for License Article 415 for the Swan Falls (FERC No. 503) Hydroelectric Project. This document is for Public Release

Dear Ms. Bose:

Please accept for e-filing the Article 415, Visual Guidelines Plan, pursuant to the new license for the Swan Falls Hydroelectric Project issued on September 28, 2012. These guidelines are adapted from the United States (U.S.) Bureau of Land Management's (BLM) Visual Resource Management system but are independent of any BLM implementation or regulation.

Idaho Power Company consulted with the required agencies on the development of this Plan, but no comments were received prior to the filing deadline. Please do not hesitate to contact me if you have any questions regarding this filing.

Respectfully Submitted,

L. Lewis Wardle
Senior Biologist – Licensing Program
Environmental Affairs Department

LLW/md
Enclosures
cc: Nathan Gardiner, IPC
Dwayne Wood, IPC
Fred Noland, IPC
Allison Murray, IPC

EXHIBIT 10
Page 1 of 16
201400202 CU-MSP-ZC-DA-HD-F

L. LEWIS WARDLE
Senior Biologist – Licensing Program
Environmental Affairs

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208-388-5880 FAX
lwardle@idahopower.com

P.O. Box 70 (83707)
1221 W. Idaho St.
Boise, ID 83702

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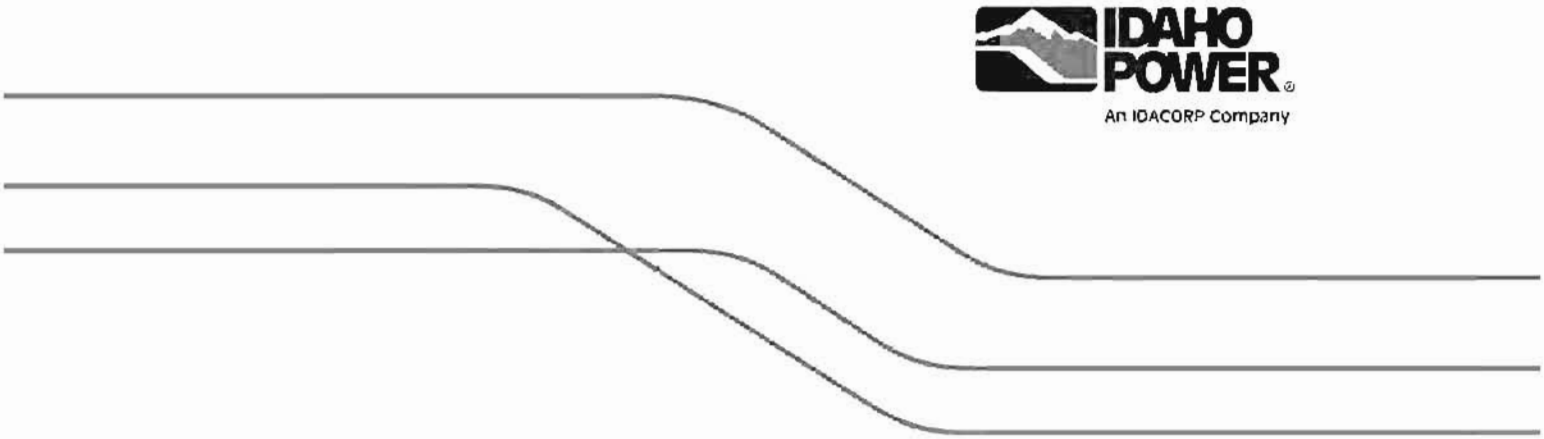

Visual Guidelines Plan

Margaret Johnson
FERC Lands Coordinator

Compliance Report

Swan Falls, FERC Project No. 503 (Article 415)

March 2013

© 2013 Idaho Power

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(Article 415) Visual Guidelines Plan

Time Required: Within 6 months of License Issuance (March 28, 2013)

Within six months of license issuance, the licensee shall file with the Commission for approval a Visual Guidelines Plan that contains, at a minimum, the following: (1) a list of neutral paint color schemes for maintaining project structures; (2) a list of species for vegetative planting and/or aesthetic screening purposes where needed; and (3) a list of the construction materials proposed to be used for maintaining existing buildings or for new building construction.

The plan shall be developed in consultation with the Bureau of Land Management and Idaho Department of Parks and Recreation. The licensee shall include with the plan documentation of consultation, copies of comments and recommendations on the completed plan after it has been prepared and provided to the agencies, and specific descriptions of how the agencies' comments are accommodated by the plan. The licensee shall allow a minimum of 30 days for the agencies to comment and to make recommendations before filing the plan with the Commission. If the licensee does not adopt a recommendation, the filing shall include the licensee's reasons, based on project-specific information.

The Commission reserves the right to require changes to the plan. Implementation of the plan shall not begin until the licensee is notified by the Commission that the plan is approved. Upon Commission approval, the licensee shall implement the plan, including any changes required by the Commission.

1. METHODS, RESULTS, AND DISCUSSION

1.1. Visual Guidelines Introduction

These guidelines are adapted from the United States (U.S.) Bureau of Land Management's (BLM) Visual Resource Management system but are independent of any BLM implementation or regulation. For any project improvement that is significantly visible to the public as determined by the Idaho Power Company (IPC) project manager, a brief visual analysis of the proposed improvement will be conducted by IPC, based on these guidelines, that will be submitted to the Idaho Department of Parks and Recreation (IDPR) and the BLM for comment. If after 30 days no comment has been received, the improvement as proposed will proceed. If a comment is received from the agency(s), the comment will be considered and either incorporated into the plans for the improvement or a letter explaining why the additional requests are not being incorporated into the project will be sent to the commenting agency. IPC will maintain documentation of this process, and agencies may appeal the decisions to the Federal Energy Regulatory Commission (FERC) within 30 days of receiving a letter from IPC denying the agency's requested changes to a project. Project improvements include construction of new facilities, ground-disturbing activities, modification of structures or stationery equipment, or other activities conducted by IPC that significantly and permanently alter the visual appearance of the project.

By the project team practicing 3 basic principles during the project planning stage, development impacts on visual resources can be minimized. These principles are as follows:

1. Considering the siting or location of the improvement
2. Avoiding unnecessary disturbance in the process of making the improvement
3. Incorporating the visual elements of form, line, color, and texture of the existing landscape into the project design

IPC's project manager is responsible for incorporating these principles into the plans for the improvement to the extent possible using the following information.

1.1.1. Considering the Siting or Location

Discretion regarding where an improvement will be made is possible in some, but not all, improvement projects. Improvements may be hidden from public view, or at least from prominent viewing locations, or are less visible from those locations. Other conditions that can contribute to good visual siting are as follows:

- *Distance*—The farther away improvements are from public view points, the less impact they will have.
- *Avoiding prominent locations*—Prominent locations are those that are already particularly visible, such as the top of a hill, a ridgeline, or near a major road.
- *Avoiding visually sensitive locations*—Sensitive locations are those highly to moderately visible to recreationists and others visiting the area for aesthetic enjoyment. Views from parks and other designated recreation areas represent sensitive locations.

1.1.2. Avoiding Unnecessary Disturbance

While a certain amount of disturbance cannot be avoided in most construction projects, unnecessary disturbances sometimes occur. The disturbance of the existing landscape creates contrast (e.g., removing natural vegetation changes the color and texture in the appearance of the disturbed area). To minimize unnecessary disturbances, specifications should be included in any construction contract or plans. Minimizing unnecessary disturbances in such projects should be a standard practice of work undertaken by IPC's employees. Other considerations that contribute to minimizing unnecessary disturbance are as follows:

- Colocating several projects
- Establishing limits of disturbance prior to site-disturbing activities
- Locating staging and administration in areas of existing development
- Restoring adjoining areas upon completion of construction when disturbance of these areas cannot be avoided

1.1.3. Incorporating Visual Elements from the Existing Landscape

The previous principles discussed address where improvements are made. This principle addresses how the improvement is made. Form, line, color, and texture are elements that comprise the visual makeup of a feature. Improvements that cause contrast with any of these elements in the existing landscape will be more visually noticeable, generally in an adverse manner. Understanding this principle can greatly facilitate designing improvements that maintain visual quality. Repeating elements that are in the existing landscape will make the improvement less noticeable. The following suggestions address how these elements can be managed in an improvement to maintain or restore existing conditions.

1.1.3.1. Color Selection

Color selection generally has the greatest impact on the resulting visual quality of the improvement. The selection of an appropriate color to use primarily addresses the element of color but can also assist with texture, line, and form. For example, if surrounding vegetation is gray-green, coloring the improvement a similar gray-green will lead a viewer who is some distance away or viewing it only briefly to believe the improvement comprises the same vegetation, even though it does not. A transmission tower constructed of Corten steel against a dark rock wall or cut-slope will blend into the wall or slope so the linear form of the tower is less noticeable.

Selecting the appropriate color for an improvement depends on the color of its setting—the colors behind and/or around it. IPC staff will compare colors similar to the Standard Environmental Color Chart with the setting of the proposed improvement to determine the color that blends best with the existing landscape. These additional guidelines shall also be considered:

- Color selection should take into account background colors that occur in both the warm and cold seasons. If one background color must be given preference, it should be the warm season.

- Color selection should be considered close up and from a distance, where the entire surrounding landscape can be considered.

- Earth tones (blending with soils, rocks, and vegetation) are generally more accepted and consistent with the background than sky tones or other colors.

- Reflective materials and surfaces should be avoided. Any significant amounts of galvanized steel or other reflective materials must always be dulled, painted, or otherwise colored to decrease their reflectivity. Paints used should be low, rather than high, gloss.

- Colors on smooth surfaces should be somewhat darker than the background color to compensate for shadow effects of natural surfaces generally containing texture.

- Because of the summer heat regularly experienced in IPC's project area, consideration is given to the color of buildings and structures that need painted in lighter hues to decrease the heat effect. For these structures, lighter tones may be used as long as they are not highly reflective (light tan is preferable to white).

1.1.3.2. Earthwork Minimization

The less earthwork conducted, the more the existing landscape will be maintained. Whether large cuts altering the natural contours or the removal of extensive vegetation that exposes large areas of lighter-colored soils, earthwork can affect form, line, color, and texture. To minimize such impacts, the following considerations should be included in planning and implementing the improvement:

- Shape cuts or fills to be consistent with natural contours
- Haul out or redistribute spoils (if strong color contrast will not result) to restore natural contours; avoid side-casting
- Color or blast rock cuts to a more natural appearance
- Use retaining walls, colored appropriately to blend with surrounding materials, to minimize earthwork

1.1.3.3. Vegetative Manipulation

Vegetation always affects color and texture and can also affect line and form. A large transmission tower in a treed area is much less noticeable than one on a barren hillside. Removing large areas of vegetation on a hillside reshapes the form of the hillside. By retaining and/or replacing vegetation to the extent possible, the less visual impact will occur from the improvement. Because the climate of IPC's service area is very dry, vegetation is generally difficult to reestablish, and retention is the better method. Manipulation techniques that can be effective and should be considered for appropriate projects are as follows:

- Clear vegetation in an irregular manner so resulting lines appear more natural. Leave "islands" of vegetation within cleared areas.
- Reseed larger, disturbed areas with native species to minimize weeds, reestablish desirable vegetation, and protect soils.

1.1.3.4. Structures

Man-made structures can be made to blend with the landscape when the lines, form, color, and texture conform to the existing landscape. The following practices can contribute to this:

- Combining structures to minimize their number and extent over the landscape
- Using natural materials or man-made materials that are treated to appear more natural
- Using self-weathering metals and woods
- Reflecting the shape/line of natural surroundings in the design of buildings (e.g., mesas = flat roofs; steep hillsides = steeply pitched roofs; flat desert = low-profile, partially below-ground buildings)

- Screening the structure from sensitive viewpoints through the use of natural landforms and vegetation

Materials used for construction purposes may include concrete, natural rock, steel, aluminum, wood, asphalt, earth, and other materials found best for the function and compliance with these guidelines.

1.1.3.5. Linear Alignment

Linear features (e.g., roads, utility lines, etc.) can create strong visual contrast, depending on their relationship to the terrain. In the proper location, they will have less impact. These features deal primarily with the visual element of line, but they also affect color and texture.
The following suggestions facilitate the location of linear features to minimize visual impacts:

- Run features through topographic breaks (valleys, depressions)
- Align features with the contour (consistent elevation) of the land
- Align features with natural lines in the terrain
- For underground features, surface and subsurface erosion risks should be evaluated and high risk areas avoided
- When crossings of other linear features occur, make the crossing at a right angle when possible and set back structures from the crossing.

1.2. Appropriate Plant Species

IPC will consider landscaping as a project improvement as described in Section 1.1. Visual Guidelines Introduction. Generally, native plant species are used to achieve the objective of these guidelines (blending improvements into the landscape) most effectively since native plants are generally the species found in the landscape of the Swan Falls Hydroelectric Project (Swan Falls Project). However, the specific land use may suggest the need for other species (e.g., shade trees may be needed in parks). As long as the species is not invasive or a nuisance (such as Russian olive [*Elaeagnus angustifolia*], Siberian elm [*Ulmus pumila*], blackberry, poison oak, or a species with thorns in a recreation area), it may be appropriate. Following is a list of native plants that may be appropriate for project landscaping. The land use in the particular area and the visual evaluation required by Section 1.1. Visual Guidelines Introduction will ultimately determine their appropriateness. The IPC Environmental Affairs department is available to assist in the selection of appropriate plant materials.

Shrubs spiny hopsage (*Atriplex spinosa*)

four-wing saltbush (*Atriplex canescens*)

Wyoming big sagebrush (*Artemisia tridentata* ssp. *Wyomingensis*)

basin big sagebrush (*Artemisia tridentata* ssp. *tridentata*)

grey rabbitbrush (*Chrysothamnus nauseosus*)

antelope bitterbrush (*Purshia tridentata*)—resprouting variety

Forbs buckwheat milkvetch (*Astragalus caricinus*)

speckled milkvetch (*Astragalus lentiginosus*)

western yarrow (*Achillea millefolium*)

hot rock penstemon (*Penstemon deustus*)

narrow leaved penstemon (*Penstemon acuminatus*)

Grasses hycrest crested wheatgrass (*Agropyron fragile*)

bottlebrush squirreltail (*Elymus elymoides*)

Indian rice grass (*Oryzopsis hymenoides*)

western wheatgrass (*Pascopyrum smithii*)

Sandberg's bluegrass (*Poa secunda*)

bluebunch wheatgrass (*Pseudoroegnaria spicata*)

sand dropseed (*Sporobolus cryptandrus*)

needle-and-thread grass (*Stipa comata*)

Thurber needle-and-thread grass (*Stipa thurberiana*)

2. CONSULTATION

The draft plan was sent to the IDPR and the BLM for review and comment on February 1, 2013, in accordance with the FERC Order. No comments were received from either agency by the March 11, 2013, due date.

IDAHO POWER®
An IDACORP Company

Jeff Cook
Outdoor Recreation Analyst
Idaho Department of Parks and Recreation
5657 Warm Springs Avenue
Boise, Idaho 83716

February 1, 2013

Dear Mr. Cook:

Idaho Power Company is required by our new FERC license for our Swan Falls hydroelectric project to prepare a Signage Plan and a Visual Guidelines Plan to be filed with FERC by March 28. Additionally we are to consult with your agency, providing you with a 30-day period in which to comment on the Plans. I've enclosed our draft Signage Plan, along with the Company's Sign Design Guidelines, an appendix to the Plan. The Plan summarizes our sign inventory updated in November 2011, states goals and objectives, requires compliance with the Sign Design Guidelines, and addresses implementation of the plan, including responsibility for ensuring compliance with the plan, and inspection, replacement and updating of signs.

The Sign Design Guidelines were established for Company-wide use in 2010, and therefore are broader in scope than we would prepare for the Swan Falls project area alone. Rather than duplicating much of that document for the Swan Falls Signage Plan, we have chosen simply to reference it in the Plan. Due to the broad scope of the Sign Design Guidelines, it has been identified as proprietary information for internal use only, and is labeled as such. However, since the Guidelines provide much of what FERC has required be included in the Swan Falls Signage Plan, we feel it necessary for you to receive that document in order to comment on the Plan as a whole. We ask, therefore that the Sign Design Guidelines not be made available outside of your agency personnel.

The draft Visual Guidelines Plan is also enclosed. This Plan is virtually the same as we have in place at our Shoshone Falls, Mid-Snake and C.J. Strike projects. This Plan defines 3 tasks;

- Guidelines are provided for the Project Teams planning projects to apply to minimize visual impacts;
- The Project Manager determines whether the project will be significantly visible to the public;
- If the project is determined to be visible, the Environmental Planner prepares a brief visual analysis and conducts agency consultation, working with the Project Team to incorporate any agency comments into the project design.

MARGARET I. JOHNSON
FERC Lands Coordinator
Environmental Affairs

208-388-6454
208-388-5880 FAX
MJohnson2@idahopower.com

P.O. Box 70 (83707)
1221 W. Idaho St.
Boise, ID 83702

I will be happy to answer any questions about the Plans you may have. Please review the documents and provide any comments to me no later than March 11, 2013. We appreciate your agency's participation and responsiveness in the consultation process for all of our projects.

Sincerely,

Enclosures (3)

IDAHO POWER®
An IDACORP Company

Jared Fluckiger
Outdoor Recreation Planner
Bureau of Land Management – Four Rivers
3948 Development Avenue
Boise, ID 83705

February 1, 2013

Dear Mr. Fluckiger:

Idaho Power Company is required by our new FERC license for our Swan Falls hydroelectric project to prepare a Signage Plan and a Visual Guidelines Plan to be filed with FERC by March 28. Additionally we are to consult with your agency, providing you with a 30-day period in which to comment on the Plans. I've enclosed our draft Signage Plan, along with the Company's Sign Design Guidelines, an appendix to the Plan. The Plan summarizes our sign inventory updated in November 2011, states goals and objectives, requires compliance with the Sign Design Guidelines, and addresses implementation of the plan, including responsibility for ensuring compliance with the plan, and inspection, replacement and updating of signs.

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MARGARET I. JOHNSON
FERC Lands Coordinator
Environmental Affairs

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Sincerely,

Enclosures (3)

CONTROL POINT TABLE

CP #	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	786958.13	1403563.31	2357.29	BRC RR RM456.80
2	786795.74	1403984.46	2353.13	BRC RR RM456.87
3	787675.02	1401766.06	2301.68	BRC RR RM456.43
4	787796.35	1401682.41	2301.43	BRC RR RM457.89
5	784942.22	1404778.39	2303.28	BRC RR RM457.14
6	780588.30	1403384.13	3020.79	BRC HUB ON SMALL PINES
7	784490.82	1405033.54	2308.31	BRC RR RM457.22
8	785380.07	1404458.18	2308.56	BRC RR RM457.08
9	788102.62	1403858.38	2308.82	BRC RR RM456.63
10	782517.71	1405867.13	2308.65	X-CUT/GRADE
11	784487.53	1404598.16	2309.08	X-CUT/GRADE
12	779030.97	1407408.29	2327.03	RMT WITH STAMPED WASHER
13	779233.15	1407388.73	2318.53	RMT WITH STAMPED WASHER
14	781886.29	1406853.67	2295.28	BRC RR RM456.18
15	783864.[illegible]	1406[illegible]46.41	2299.54	BRC RR RM456.08
16	784815.79	1405944.25	2306.09	BRC RR RM455.83
17	785834.46	1405945.28	2312.87	BRC RR RM455.74
18	787248.38	1405932.93	2340.66	BRC RR RM455.47
19	788118.85	1405963.86	2305.06	BRC RR RM457.50
20	787918.53	1405867.20	2326.01	RMT WITH STAMPED WASHER
21	788178.34	1406879.64	2301.52	BRC RR RM456.25

GENERAL NOTES:

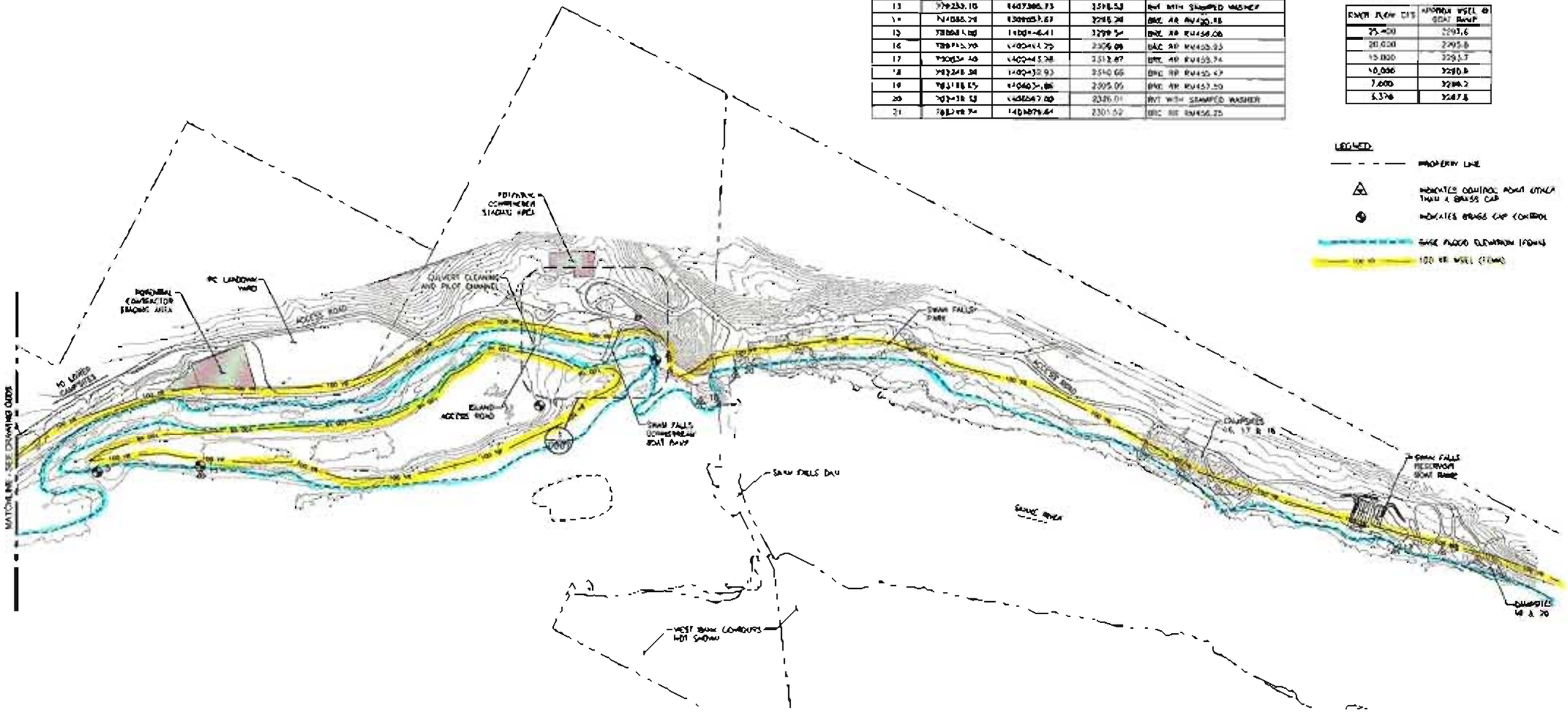
1. TOPOGRAPHIC MAPPING COMPLETED VIA 3-FOOT RED LIDAR COLLECTED BY WATERSHED SCIENCES, INC DATED SEPTEMBER 26, 2013 AND PROVIDED BY IDAHO POWER COMPANY.
2. SUPPLEMENTAL BATHYMETRIC SURVEY DATA COMPLETED VIA 3-FOOT GRID LIDAR COLLECTED BY WATERSHED SCIENCES, INC DATED APRIL 18, 2013 AND PROVIDED BY IDAHO POWER COMPANY.
3. IDAHO POWER COMPANY PROJECTION, NAVD88 VERTICAL DATUM.
4. CONTROL POINT TABLE PROVIDED BY IDAHO POWER COMPANY. NOT ALL CONTROL POINTS SHOWN ON PLAN.
5. THE FOLLOWING TABLE INDICATES APPROXIMATE WATER SURFACE ELEVATIONS AT THE BOAT RAMP FOR THE FLOWS INDICATED. THESE ELEVATIONS AND CORRESPONDING FLOWS ARE APPROXIMATE AND ARE ONLY PROVIDED FOR REFERENCE. ACTUAL WATER SURFACE ELEVATIONS AND FLOWS MAY VARY DEPENDING ON CHANGING WATER CONDITIONS.

RIVER FLOW CFS	APPROX WSEL @ BOAT RAMP
25,400	2293.6
20,000	2295.8
15,000	2298.7
10,000	2302.8
7,000	2306.2
5,370	2307.8

LEGEND

- PROPERTY LINE
- INDICATES CONTROL POINT OTHER THAN A BRASS CAP
- INDICATES BRASS CAP CONTROL
- BASE FLOOD ELEVATION (FEMA)
- 100 YR WSEL (FEMA)

REVISION	
0	12/18/13 ISSUED FOR CONSTRUCTION
1	01/13/14 REMOVE JETTY & SIDE CHANNEL



OVERALL PROJECT SITE PLAN AND CONTROL – UPSTREAM

SCALE 1" = 200'

EXHIBIT 11
Page 1 of 4
201400202 CU-MSP-ZC-DA-HD-F

McMILLEN, LLC

Swan Falls Dam Recreation Improvement Project
OVERALL PROJECT SITE PLAN AND CONTROL – UPSTREAM

IDAHO POWER COMPANY BOISE, IDAHO

SCALE: AS NOTED DATE: JAN 2014

DR. CP | APPROVED | 20D-.....

CH. DR. | CHK. LB

WORK ORD. NO. D-

SHEET NOTES:

1. SEE SHEET C005 FOR SHEET NOTES, CONTROL POINTS AND LEGEND.

OVERALL PROJECT SITE PLAN AND CONTROL - DOWNSTREAM

SCALE: 1" = 250'

REVISION

0 12/16/13 ISSUED FOR CONSTRUCTION

MCMILLEN, LLC

1401 SHORELINE DR.
BOISE, ID 83702

OFFICE: 208.343.4214
FAX: 208.343.4218

Swan Falls Dam
Recreation Improvement Project
OVERALL PROJECT SITE PLAN AND CONTROL - DOWNSTREAM

IDAHO POWER COMPANY BOISE, IDAHO

SCALE: AS NOTED DATE: DEC 2013

APPROVED

200-

REV.

Engineering "No-Rise" Certification

(for projects located in a mapped floodway)

This is to certify that I am a duly qualified engineer licensed to practice in the State of IDAHO (Name of State).

This further certifies that the attached data supports the fact that the proposed SWAN FALLS RECREATION IMPROVEMENTS (Name of Development) will not increase the 100-year flood elevations, floodway elevations and floodway widths on THE SNAKE RIVER at published sections in the Flood Insurance Study for ADA COUNTY (Name of Community) dated OCTOBER 2, 2003 and will not increase the 100-year flood elevations, floodway elevations, and floodway widths at unpublished cross-sections in the vicinity of the proposed development.

11/29/17
(Date)

(Signature)

PROJECT MANAGER
(Title)

1401 SHORELINE DRIVE
BOISE, ID 83702
(Address)

seal:

Mail completed form to your local planning office or to Idaho Department of Water Resources along with the Joint Application for Permits

IDAHO POWER®
An IDACORP Company

January 15, 2014

Ms. Jamie Howard
U.S. Army Corps of Engineers
Boise Field Office
10095 West Emerald Street
Boise, ID 83704-9754

Mr. Dean Johnson
Idaho Dept of Lands
Southwest Area Office
8355 West State Street
Boise, ID 83714

Mr. Aaron Golart
Idaho Dept of Water Resources
Idaho Water Center
322 East Front Street
Boise, ID 83720-0098

Subject: Joint Application for Permits – Swan Falls Dam Recreation Improvement Project

Ms. Howard, Mr. Johnson, Mr. Golart

Enclosed please find the joint application for permits for the proposed Swan Falls Dam Recreation Improvement Project (Project), located at Swan Falls Dam, south of Kuna in Ada County, Idaho.

The Swan Falls Hydroelectric Project is located at river mile 457.7 in the counties of Ada and Owyhee in southwestern Idaho about 20 miles south of Kuna. The dam is located in an isolated area of the river, and there are no other developments in the vicinity of the project. The Federal Energy Regulatory Commission ("FERC") project boundary encloses approximately 1,593 acres of land and water, of which 185.8 acres are federal lands within the Snake River Birds of Prey National Conservation Area, administered by the U.S. Department of the Interior, Bureau of Land Management.
To comply with the FERC license for the Swan Falls Hydroelectric Project, Idaho Power Company (IPC) will implement measures to protect and enhance fish, wildlife, cultural, recreation, and aesthetic resources at the Swan Falls Hydroelectric Project. The Swan Falls Recreation Improvement Project will include enhancing two existing boat launch facilities, a park, and 20 dispersed recreation sites.

IPC has participated in consultation with various agencies through the relicensing process including Idaho State Historic Preservation Office (SHPO), and U.S. Fish and Wildlife Service (USFWS). Appendix A contains a summary of the consultation with SHPO and two letters of correspondence from SHPO. Appendix B contains the Biological Opinion (BO) that was issues from USFWS. Also, IPC contracted to have a Wetlands Delineation done in order to identify any wetlands that might be impacted during construction, and to establish the Ordinary High Watermark (OHW). The Wetlands Delineation is attached to this application in Appendix C.

IPC is currently in the permitting process with Ada County and is hoping to secure the necessary permits by May 2014 in order to start construction by June 2014. It is estimated that the project can be 90% completed by the end of December 2014 with the remaining work being completed in early 2015. Based on this, and to provide schedule flexibility, IPC is requesting a permit that will be valid from May 2014 through December 2015.

P.O. Box 70 (83707)
1221 W. Idaho St.
Boise, ID 83702

Description of Proposed Recreation Enhancements

Upstream Boat Ramp - The upstream boat ramp is located approximately 3,300-ft upstream from Swan Falls Dam and the proposed improvements include removing the existing concrete ramp and installing a new reinforced concrete ramp with riprap toe and shoulders. Adjacent to the exiting ramp is an 'L' shaped dock that will be removed and replaced with a new linear dock. One new 11' pipe pile will be installed in association with this dock. IPC is proposing to expand the existing parking lot and clearly identify parking stalls, staging areas, and bus parking. The lot will be regraded and resurfaced with gravel, and will include the addition of a vault toilet, ADA accessible parking stalls, and ADA pathways. Boulders and fencing will be installed to delineate the parking area where needed.

Downstream Boat Ramp - The downstream boat ramp is located approximately 450-ft downstream from Swan Falls Dam and the proposed improvements include removing the existing gravel ramp and installing a new reinforced concrete ramp with riprap toe and shoulders. Downstream and adjacent to the ramp is a small island of sediment that has formed due to an eddy that occurs at high flows. This island is impeding the use of the boat ramp and will be removed down to the surrounding river bed elevation. Approximately 350-ft downstream from the downstream boat ramp is a side channel that runs for approximately 3,000-ft before reconnecting with the Snake River. There is an access road built across the inlet to this side channel that contains two culverts (24-in and 30-in diameter) that have been filled in with sediment. These two culverts will be cleaned out and the pilot channel will be excavated to reestablish flow through the culverts when water levels permit. Originally, IPC planned to build and jetty where the small island exists, replace the existing culverts with a new larger culvert, and excavate the side channel. This portion of the work has since been removed from the project scope and IPC is considering other options. IPC is proposing to expand the existing parking lot and clearly identify parking stalls, and staging areas. The lot will be regraded and resurfaced with gravel, and will include the addition of a vault toilet, ADA accessible parking stalls, and an ADA loading platform. Boulders and fencing will be installed to delineate the parking area where needed.

Recreation Sites - The 20 identified impromptu campsites will be improved with new gravel surfaces, new fire rings, and delineated with boulders. Additionally, a new vault toilet will be installed at the furthest downstream campsites (campsites 1-4). In some cases, multiple impromptu roads have been created by users to access the campsites. IPC proposes to clearly delineate the preferred access road to each campsite and reclaim the non-preferred roads as a part of our Wildlife Habitat Protection and Enhancement Plan. All improved access roads will be re-graded, surfaced with gravel, and delineated with fences and/or boulders where needed. All access points to reclaimed roads will be blocked off with boulders and the roads will be revegetated with native shrubs and grasses as outlined in the Wildlife Habitat Protection and Enhancement Plan. Of the 20 identified camp sites set to be improved, five campsites (16-20) occur upstream of Swan Falls Dam, and 15 campsites (1-15) occur downstream of Swan Falls Dam. The five upstream campsites are along the Northeast shore of Swan Falls Reservoir within the FEMA Floodplain, and above the OHW. These campsites will not impact any identified wetlands. One campsite (17) is experiencing bank erosion due to foot traffic and IPC is proposing to armor the compromised portion of the shoreline with riprap below the OHW. Of the 15 downstream campsites, nine campsites (1-4 and 11-15) occur in the uplands outside of the FEMA Floodplain and above the OHW. The remaining six campsites (5-10) occur along the bank of the Snake River within the FEMA Floodplain and above the OHW. The improvements to these campsites will not impact the FEMA Floodplain.

Park Improvements - Swan Falls Park improvements will include the rebuilding of an existing seawall, the addition of parking stalls (including ADA stalls), a new ADA pathway, a new dock (including abutment and gangway), new picnic tables, a new picnic shelter, and informational displays. The existing buoy line anchor that is in the middle of Swan Falls Park will be removed and a new 11-in pipe pile anchor will be installed along the shoreline where it will be less accessible to the public. The new dock will include the installation of two new 11-in pipe piles and a portion the abutment will be installed below the OWH.

Construction of the proposed Project will take place using equipment typical for this type of construction including but not limited to tracked and wheeled equipment including cranes, boom trucks, graders, excavators, loaders, haul trucks, and concrete pump trucks. Phases of construction will most likely begin with road and campsite improvements, progressing to boat ramps and in water work in late summer or fall as water levels are decreased, and ending with park improvements and revegetation through late fall. Any remaining fencing or boulder placement will take place at the end of the project once all other activities have been completed.

Attached, please find:

(1) Completed Joint Application for Permits
(2) Drawings including a vicinity map, plan-view, and section-view drawings
(3) FEMA floodway maps
(4) Appendix A - Summary of correspondence with SHPO
(5) Appendix B - Biological Opinion prepared by USFWS
(6) Appendix C - Wetlands Delineation prepared by McMillen, LLC

Electronic versions of the attached documents are available upon request.

If any further information is required for you to act on the permit application, please let me know and I will be happy to provide it. My telephone number and e-mail address are shown below.

Sincerely,

William A. Lynch, E.I.T.
Civil Engineer

Idaho Power Company
208-388-5490
blynch@idahopower.com

Encl.

JOINT APPLICATION FOR PERMITS

U.S. ARMY CORPS OF ENGINEERS - IDAHO DEPARTMENT OF WATER RESOURCES - IDAHO DEPARTMENT OF LANDS

Authorities: The Department of Army Corps of Engineers (Corps), Idaho Department of Water Resources (IDWR), and Idaho Department of Lands (IDL) established a joint process for activities impacting jurisdictional waterways that require review and/or approval of both the Corps and State of Idaho. Department of Army permits are required by Section 10 of the Rivers & Harbors Act of 1899 for any structure(s) or work in or affecting navigable waters of the United States and by Section 404 of the Clean Water Act for the discharge of dredged or fill materials into waters of the United States, including adjacent wetlands. State permits are required under the State of Idaho, Stream Protection Act (Title 42, Chapter 38, Idaho Code and Lake Protection Act (Section 58, Chapter 13 et seq., Idaho Code). In addition the information will be used to determine compliance with Section 401 of the Clean Water Act by the appropriate State, Tribal or Federal entity.

Joint Application: Information provided on this application will be used in evaluating the proposed activities. Disclosure of requested information is voluntary. Failure to supply the requested information may delay processing and issuance of the appropriate permit or authorization. Applicant will need to send a completed application, along with one (1) set of legible, black and white (8½"x11"), reproducible drawings that illustrate the location and character of the proposed project / activities to both the Corps and the State of Idaho.

See Instruction Guide for assistance with Application. Accurate submission of requested information can prevent delays in reviewing and permitting your application. Drawings including vicinity maps, plan-view and section-view drawings must be submitted on 8-1/2 x 11 papers.

Do not start work until you have received all required permits from both the Corps and the State of Idaho

FOR AGENCY USE ONLY			
USACE NWW-	Date Received:	☐ Incomplete Application Returned	Date Returned:
Idaho Department of Water Resources No.	Date Received:	☐ Fee Received DATE:	Receipt No.:
Idaho Department of Lands No.	Date Received:	☐ Fee Received DATE:	Receipt No.:

INCOMPLETE APPLICATIONS MAY NOT BE PROCESSED

1. CONTACT INFORMATION - APPLICANT Required:			2. CONTACT INFORMATION - AGENT:		
Name: William Lynch			Name:		
Company: Idaho Power Company			Company:		
Mailing Address: 1221 West Idaho Street			Mailing Address:		
City: Boise	State: Idaho	Zip Code: 83702	City:	State:	Zip Code:
Phone Number (include area code): 208-388-5490	E-mail: blynch@idahopower.com		Phone Number (include area code):	E-mail:	

3. PROJECT NAME or TITLE: Swan Falls Dam Recreation Improvement Project			4. PROJECT STREET ADDRESS: 27201 Swan Falls Road		
5. PROJECT COUNTY: Ada County	6. PROJECT CITY: Kuna		7. PROJECT ZIP CODE: 83634		8. NEAREST WATERWAY/WATERBODY: Swan Falls Reservoir/Snake River
9. TAX PARCEL ID#: S1118311000	10. LATITUDE: 43.243883 LONGITUDE: -116377419		11a. 1/4: SE	11b. 1/4: SE	11c. SECTION: 18
11d. TOWNSHIP: 2S	11e. RANGE: 1E				
12a. ESTIMATED START DATE: May 2014	12b. ESTIMATED END DATE: December 2015		13a. IS PROJECT LOCATED WITHIN ESTABLISHED TRIBAL RESERVATION BOUNDARIES? ☒ NO ☐ YES Tribe:		
13b. IS PROJECT LOCATED IN LISTED ESA AREA? ☐ NO ☒ YES			13c IS PROJECT LOCATED ON/NEAR HISTORICAL SITE? ☐ NO ☒ YES		

14. DIRECTIONS TO PROJECT SITE: Include vicinity map with legible crossroads, street numbers, names, landmarks.

20 Miles South of Kuna on South Swan Falls Road to Swan Falls Dam. The project extends approximately 1.8 miles downstream from Swan Falls Dam and approximately 0.7 miles upstream from Swan Falls Dam

15. PURPOSE and NEED: ☐ Commercial ☒ Industrial ☐ Public ☐ Private ☐ Other

Describe the reason or purpose of your project; include a brief description of the overall project. Continue to Block 16 to detail each work activity and overall project.

To comply with the Federal Energy Regulatory Commission (FERC) license for Swan Falls Hydroelectric Project, Idaho Power Company (IPC) is implementing a Recreation Management Plan that will consist of rebuilding two existing boat ramps, improving 20 existing impromptu campsites and access roads, and improving an existing park.

16. DETAILED DESCRIPTION OF EACH ACTIVITY WITHIN OVERALL PROJECT. Specifically indicate portions that take place within waters of the United States, including wetlands: Include dimensions; equipment, construction, methods; erosion, sediment and turbidity controls; hydrological changes: general stream/surface water flows, estimated winter/summer flows; borrow sources, disposal locations etc.:

See attached Detailed Description

17. DESCRIBE ALTERNATIVES CONSIDERED to AVOID or MEASURES TAKEN to MINIMIZE and/or COMPENSATE for IMPACTS to WATERS of the UNITED STATES, INCLUDING WETLANDS: See Instruction Guide for specific details.

Most of the work will be taking place above the Ordinary High Watermark (OHW) or outside of wetlands. Erosion and Sediment Control (ESC) and Storm Water Pollution Prevention Plan (SWPPP) Best Management Practices's (BMPs) such as turbidity curtain, silt fence, and straw waddles will be employed to prevent sediment from escaping the construction zones. All construction work is accompanied by a Habitat Enhancement and Revegetation Program that will be worked toward the end of the project. Downstream in-water work will be conducted during summer when low water levels exist. Upstream in water work for the boat ramp and park areas will be conducted during late summer or fall when low water levels are more common. Campsite 17 riprap repair will be done from the atop the bank. If possible, IPC will seek to temporarily reduce the water surface elevation for a short period of time to aid the construction.

18. PROPOSED MITIGATION STATEMENT or PLAN: If you believe a mitigation plan is not needed, provide a statement and your reasoning why a mitigation plan is NOT required. Or, attach a copy of your proposed mitigation plan.

IPC has consulted with U.S. Fish and Wildlife Service (USFWS) with regard to the potential impact the Swan Fall Hydroelectric Project will have on species listed under the provisions of the Endangered Species Act (ESA) within the impact area (see attached Biological Opinion (BO)). As mitigation for this potential impact, IPC is actively monitoring water flows into and out of Swan Falls Reservoir, actively conducting surveys for Snake River physa (a listed species), and using construction methods that will minimize the potential for take of Snake River physa during construction activities. IPC believes that no other mitigation plan will be needed for the proposed improvements due to the minimum impact approach being used.

19. TYPE and QUANTITY of MATERIAL(S) to be discharged below the ordinary high water mark and/or wetlands:

Dirt or Topsoil:	0	cubic yards
Dredged Material:	0	cubic yards
Clean Sand:	0	cubic yards
Clay:	0	cubic yards
Gravel, Rock, or Stone:	137.5	cubic yards
Concrete:	54	cubic yards
Other (describe): Temporary Causeway	185	cubic yards
Other (describe):	0	cubic yards
TOTAL:	376.5	cubic yards

20. TYPE and QUANTITY of impacts to waters of the United States, including wetlands:

Filling:	0	acres	2,200	sq ft.	54	cubic yards
Backfill & Bedding:	0	acres	2,170	sq ft.	137.5	cubic yards
Land Clearing:	0	acres	0	sq ft.	0	cubic yards
Dredging:	0	acres	8,000	sq ft.	535	cubic yards
Flooding:	0	acres	0	sq ft.	0	cubic yards
Excavation:	0	acres	2,200	sq ft.	70	cubic yards
Draining:	0	acres	0	sq ft.	0	cubic yards
Other: Temporary Causeway	0	acres	2,000	sq ft.	185	cubic yards
TOTALS:	0	acres	16,570	sq ft.	981.5	cubic yards

21. HAVE ANY WORK ACTIVITIES STARTED ON THIS PROJECT? ☒ NO ☐ YES If yes, describe ALL work that has occurred including dates.

N/A

22. LIST ALL PREVIOUSLY ISSUED PERMIT AUTHORIZATIONS.

None in recent history.

23. ☒ YES, Alteration(s) are located on Public Trust Lands, Administered by Idaho Department of Lands

24. SIZE AND FLOW CAPACITY OF BRIDGE/CULVERT and DRAINAGE AREA SERVED: N/A Square Miles

25. IS PROJECT LOCATED IN A MAPPED FLOODWAY? ☐ NO ☒ YES If yes, contact the floodplain administrator in the local government jurisdiction in which the project is located. A Floodplain Development permit and a No-rise Certification may be required.

26a. WATER QUALITY CERTIFICATION: Pursuant to the Clean Water Act, anyone who wishes to discharge dredge or fill material into the waters of the United States, either on private or public property, must obtain a Section 401 Water Quality Certification (WQC) from the appropriate water quality certifying government entity.
See Instruction Guide for further clarification and all contact information.

The following information is requested by IDEQ and/or EPA concerning the proposed impacts to water quality and anti-degradation:

☒ NO ☐ YES Is applicant willing to assume that the affected waterbody is high quality?
☐ NO ☒ YES Does applicant have water quality data relevant to determining whether the affected waterbody is high quality or not?
☐ NO ☒ YES Is the applicant willing to collect the data needed to determine whether the affected waterbody is high quality or not?

26b. BEST MANAGEMENT PRACTICES (BMP's): List the Best Management Practices and describe these practices that you will use to minimize impacts on water quality and anti-degradation of water quality. All feasible alternatives should be considered - treatment or otherwise. Select an alternative which will minimize degrading water quality

Work will be conducted during low flow conditions when possible. ESC and SWPPP BMP's will be employed as necessary including turbidity curtains, silt fence, straw waddles and any other necessary provisions.

Through the 401 Certification process, water quality certification will stipulate minimum management practices needed to prevent degradation.

27. LIST EACH IMPACT to stream, river, lake, reservoir, including shoreline: Attach site map with each impact location.

Activity	Name of Water Body	Intermittent Perennial	Description of Impact and Dimensions	Impact Length Linear Feet
Reservoir Boat Ramp	Swan Falls Reservoir	Perennial	Rebuild existing boat ramp 65'x30'	30
Swan Falls Park/Site17	Swan Falls Reservoir	Perennial	Dock Abutment/seawall/riprap 160'	160
Downstream Boat Ramp	Snake River	Perennial	Rebuild existing boat ramp 60'x30'	30
Small Island	Snake River	Perennial	Build temp causeway and dredge island 8500sqft	175
			TOTAL STREAM IMPACTS (Linear Feet):	395

28. LIST EACH WETLAND IMPACT include mechanized clearing, fill, excavation, flood, drainage, etc. Attach site map with each impact location.

Activity	Wetland Type: Emergent, Forested, Scrub/Shrub	Distance to Water Body (linear ft)	Description of Impact Purpose: road crossing, compound, culvert, etc.	Impact Length (acres, square ft linear ft
			TOTAL WETLAND IMPACTS (Square Feet):	

29. ADJACENT PROPERTY OWNERS NOTIFICATION REQUIREM: Provide contact information of ALL adjacent property owners below.

Name: Idaho Power Company Mailing Address: PO BOX 70 City: Boise; State: Idaho; Zip Code: 83707-0070 Phone Number (include area code): 208-388-2200; E-mail:	Name: Nancy Nishikawa and Jeffrey Tollefson Mailing Address: 1109 East Sainte Lucie Drive City: Meridian; State: Idaho; Zip Code: 83642-6667 Phone Number (include area code): 208-887-3589; E-mail:
Name: United States of America Bureau of Land Management Mailing Address: 1387 South Vinnell Way City: Boise; State: Idaho; Zip Code: 83709-0000 Phone Number (include area code): 208-373-4000; E-mail:	Name: TFI Limited Partnership Mailing Address: PO BOX 690 City: Meridian; State: Idaho; Zip Code: 83680 Phone Number (include area code): 208-888-1593; E-mail:
Name: Bureau of Land Management Boise District/Kelly Moore Mailing Address: 3948 Development Avenue City: Boise; State: Idaho; Zip Code: 83705 Phone Number (include area code): 208-384-3300; E-mail:	Name: Bureau of Land Management Owyhee Field Office Mailing Address: 20 First Avenue West City: Marsing; State: Idaho; Zip Code: 83639 Phone Number (include area code): 208-896-5912; E-mail:
Name: Mailing Address: City; State. Zip Code: Phone Number (include area code): E-mail:	Name. Mailing Address: City: State: Zip Code: Phone Number (include area code): E-mail:

30. SIGNATURES: STATEMENT OF AUTHORIAZATION / CERTIFICATION OF AGENT / ACCESS

Application is hereby made for permit, or permits, to authorize the work described in this application and all supporting documentation. I certify that the information in this application is complete and accurate. I further certify that I possess the authority to undertake the work described herein; or am acting as the duly authorized agent of the applicant (Block 2). I hereby grant the agencies to which this application is made, the right to access/come upon the above-described location(s) to inspect the proposed and completed work/activities.

Signature of Applicant: _____ *Date:* 1/21/14

Signature of Agent: _____ *Date:* _____

This application must be signed by the person who desires to undertake the proposed activity AND signed by a duly authorized agent (see Block 1, 2, 30). Further, 18 USC Section 1001 provides that: "*Whoever, in any manner within the jurisdiction of any department of the United States knowingly and willfully falsifies, conceals, or covers up any trick, scheme, or disguises a material fact or makes any false, fictitious, or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statements or entry, shall be fined not more than $10,000 or imprisoned not more than five years or both*".

Detailed Description of Each Activity within the Overall Project

Block 16

Water Level Data

In conjunction with this project Idaho Power contracted to have a Wetlands Delineation done to identify wetland habitat and establish the Ordinary High Watermark (OHW). OHW information in this application is based on the results of this delineation. For more information see the attached Wetlands Delineation. Other mentions of water surface elevation and associated flow rates are based on historic information as recorded by IPC.

Swan Falls Reservoir's forebay water surface elevation normally ranges from 2313.6-ft to 2317.3-ft with the OHW identified at 2317.3-ft (NAVD88 Vertical Datum). Since Swan Falls Dam is operated as a 'Run of the River' project, there is very little fluctuation to the water surface elevation of the Reservoir. Swan Falls Dam tail water surface elevation at the Downstream Boat Ramp ranges from 2287.8-ft to 2297.6-ft with the OHW identified at 2289.5-ft (NAVD88 Vertical Datum). These values correlate to a low flow of approximately 5,370-cfs and high flow of approximately 25,400-cfs with the OHW at approximately 7,000-cfs.

Erosion and Sediment Control Storm Water Pollution Prevention

In an effort to control erosion and sediment, all in water work will be done in accordance with the SWPPP. This will include the use of turbidity curtains, silt fence, straw waddles, and any other necessary provisions. No soil disturbing activity will take place without the appropriate BMP's in place.

Swan Falls Reservoir Boat Ramp

Approximately 3,300-ft upstream from Swan Falls Dam is Swan Falls Reservoir Boat Ramp. Contractor will remove existing concrete boat ramp and excavate the bed for a new ramp. Contractor will use an excavator to break up and remove existing boat ramp (see sheet D101). Approximately 40-cy of material will be removed from below the (OHW) and disposed of offsite. Contractor will build a new 24-ft wide, 54-ft long, 8-in thick reinforced concrete boat ramp with riprap toe and edges (see sheet C323-C324). A 6-in thick bed of drain rock will be installed prior to placing the concrete slab. Approximately 22-cy of drain rock will be installed below the OHW using an excavator. The new ramp will be built in sections with approximately 30-cy of new precast concrete placed below the OHW. Contractor will build a temporary ramp of fill material above the water line and cast the first section of the concrete ramp. Once cured, the precast sections of concrete will be pushed into place along three (3), 3.5-in pipe rails set in the drain rock using heavy equipment. The rails will then be cut off and the excess fill material will be removed and graded in order to cast the remaining concrete section(s). An 18-in thick section of Type 1 riprap will be installed along the entire toe of the ramp extending approximately 18-ft out into the reservoir beyond the toe of the new ramp. Additionally, a 1-ft thick, 3-ft wide shoulder of Type 1 riprap will be installed along each edge of the ramp. Approximately 35-cy of riprap will be installed below the OHW using an excavator. The existing dock will be removed and salvaged. Contractor will

use a pile driver to install one new pipe pile for the new dock, then build and install the new dock (see sheet C325).

Campsite #17

Approximately 1,000-ft downstream from Swan Falls Reservoir Boat Ramp is Campsite #17. A section of bank has been eroding at this camp site. 18-in of Type 2 riprap will be installed to re-stabilize approximately 20-ft of the reservoir bank (see sheet L105). Approximately 4.5-cy of riprap will be installed below the OHW.

Swan Falls Park

Along the East bank of Swan Falls Reservoir, immediately upstream from Swan Falls Dam is Swan Falls Park. This park has a 135-ft section of seawall that was built out of concrete blocks that were recovered from the original powerhouse. This seawall will be rebuilt in place by removing the blocks, building a concrete slab for the blocks to be placed on, reinstalling the blocks, and repairing the riprap that exists between the OHW and the seawall (see sheets C303-C305). It is estimated that no more than 10-cy of riprap will be installed below the OHW. A new dock will be installed immediately upstream from the rebuilt seawall, including a concrete abutment and two new pipe piles. Approximately 4-cy of concrete will be installed below the OHW. This concrete will be cast in place above the existing water surface elevation.

An existing buoy line anchor will be removed from the park and a new pipe pile anchor will be installed on the bank of the park just downstream from the seawall at the OHW (see sheets C303-C305). It is anticipated that no material will be installed below the OHW in association with the new buoy line anchor.

Downstream Boat Ramp

Approximately 450-ft downstream from Swan Falls Dam along the East bank is an existing gravel boat ramp. Contractor will build a 275-ft, long 24-ft, wide 8-in thick reinforced concrete boat ramp with riprap toe and edges (see sheet C333-C334). This ramp will replace the existing gravel ramp. Contractor will excavate the existing gravel boat ramp and install a 6-in thick bed of drain rock. Approximately 30-cy of material will be removed from below the OHW and approximately 18-cy of drain rock will be installed below the OHW. All excavated material will be reused as fill elsewhere in the project or disposed of offsite. The concrete ramp will be built in sections with approximately 24-cy of new precast concrete placed below the OHW. Contractor will cast the lower section of the concrete above the existing water line. Once cured, Contractor will push the precast section of concrete into place below the water along three (3), 3.5-in pipe rails set in the drain rock. Contractor will then cast the remaining sections of concrete in place above the OHW. An 18-in thick section of Type 1 riprap will be installed along the entire toe of the ramp extending approximately 25-ft out into the river from the toe of the new ramp. Additionally, a 1-ft thick, 3-ft wide shoulder of Type 1 riprap will be installed along each edge of the ramp. Approximately 44-cy of riprap will be installed below the OHW using an excavator. All disturbed areas around the new ramp in excess of planned improvements will then be reclaimed as habitat.

Small Island Removal

Approximately 475-ft downstream from Swan Falls Dam in a cove near the East bank is a small island of sediment that has formed adjacent to the existing boat ramp. This island is partially obstructing the use of the boat ramp. Contractor will dredge approximately 350-cy of material to remove this island down to the surrounding river bed elevation (see sheet C201). Contractor may consider using one of, or a combination of different methods to remove the material. The two likely methods are;

(1) Contactor may build a temporary causeway from the existing dock area to access the extents of the island. This causeway would be used to drive an excavator out far enough to reach the extents of the island. Upon completion of the dredging Contractor would remove the causeway. Approximately 185-cy of material will be installed and then removed for the causeway; and / or
(2) Contractor may use a clamshell or suction dredge which would not involve the construction and removal of a causeway. All excavated material would be reused as fill elsewhere in the project or disposed of offsite.

Side Channel Culverts

Approximately 350-ft downstream from the Downstream Boat Ramp is an access road that crosses a side channel (see sheet C212). The existing road has two culverts that have been filled with sediment over the years and are no longer passing the designed volume of water. The culverts are set at different elevations with the invert of the lowest culvert at approximately 2291-ft. Contractor will excavate the inlets and outlets of the culverts and clean out any sediment or debris that is inside the culverts. None of the sediment removed in association with this activity will come from below the OHW. This will be done using an excavator and vacuum truck from the existing road atop the bank. All material will be reused as fill elsewhere in the project or disposed of offsite.

Summary of Quantities

In summary of quantities removed and placed below the OHW, IPC is proposing the following

Reservoir Boat Ramp:

- Excavate 40-cy of existing concrete boat ramp
- Install 22-cy of gravel fill
- Install 30-cy of precast concrete
- Install 35-cy of riprap
- Area of impact 1350-sqft
- Length of shoreline impacted 30-ft

Camp Site #17

- Install 4.5-cy of riprap
- Length of shoreline impacted 20-ft

Swan Fall Park

- Install 10-cy of riprap
- Install 4-cy of concrete
- Length of shoreline impacted 140-ft

Downstream Boat Ramp

- Excavate 30-cy of existing gravel boat ramp
- Install 18-cy of gravel fill
- Install 24-cy of precast concrete
- Install 44-cy of riprap
- Area of impact 1050-sqft
- Length of shoreline impacted 30-ft

Small Island Removal

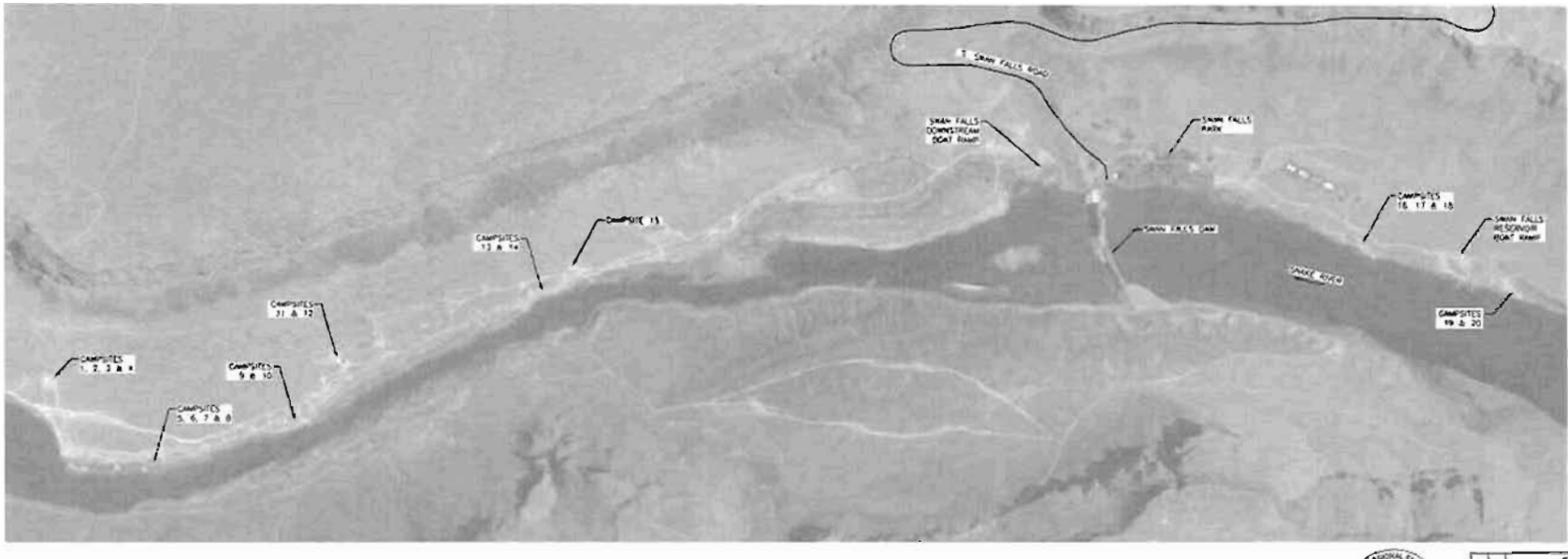
- Temporarily Install 185-cy of gravel fill for causeway (if Contractor chooses this option)
- Dredge 350-cy of sediment that makes up a small island
- Remove 185-cy of gravel fill for temporary causeway (if applicable)
- Area of impact up to 8500-sqft
- Length of shoreline impacted 30-ft

IDAHO POWER COMPANY

SWAN FALLS DAM
RECREATION IMPROVEMENT PROJECT
ISSUED FOR CONSTRUCTION

VICINITY MAP
NTS

LOCATION MAP
NTS



OVERALL SITE PLAN
1" = 500'

REVISION
0 12/18/13
ISSUED FOR CONSTRUCTION

McMILLEN, LLC

Swan Falls Dam
Recreation Improvement Project
LOCATION MAP, VICINITY MAP AND OVERALL SITE PLAN
IDAHO POWER COMPANY BOISE, IDAHO
SCALE: AS NOTED DATE: DEC 2013
APPROVED 20D-
REV.

DWG NO	DESCRIPTION
	GENERAL
	COVER SHEET
G001	LOCATION MAP, VICINITY MAP, AND OVERALL SITE PLAN
G002	DRAWING INDEX
G003	STANDARD ABBREVIATIONS
G004	STANDARD SYMBOLS
G005	OVERALL PROJECT SITE PLAN AND CONTROL - UPSTREAM
G006	OVERALL PROJECT SITE PLAN AND CONTROL - DOWNSTREAM
G007	JETTY AREA SITE PLAN
	DEMOLITION AND CLEARING
D101	SWAN FALLS RESERVOIR BOAT RAMP DEMOLITION PLAN
D102	SWAN FALLS PARK DEMOLITION PLAN
D103	DOWNSTREAM BOAT RAMP AND SIDE CHANNEL DEMOLITION PLAN
	EROSION AND SEDIMENT CONTROL
ESC101	EROSION AND SEDIMENT CONTROL NOTES AND DETAILS
ESC102	CAMPSITE EROSION AND SEDIMENT CONTROL PLAN 1
ESC103	CAMPSITE EROSION AND SEDIMENT CONTROL PLAN 2
ESC104	CAMPSITE EROSION AND SEDIMENT CONTROL PLAN 3
ESC201	JETTY AREA EROSION AND SEDIMENT CONTROL PLAN
ESC301	SWAN FALLS PARK EROSION AND SEDIMENT CONTROL PLAN 1
ESC302	SWAN FALLS PARK EROSION AND SEDIMENT CONTROL PLAN 2
ESC321	SWAN FALLS RESERVOIR BOAT RAMP EROSION AND SEDIMENT CONTROL PLAN
	CIVIL
GC001	GENERAL CIVIL DETAILS 1
GC002	GENERAL CIVIL DETAILS 2
GC003	GENERAL CIVIL DETAILS 3 (NOT USED)
GC004	GENERAL CIVIL DETAILS 4
GC005	GENERAL CIVIL DETAILS 5
C001	CIVIL KEY MAP
C101	ROADWAY PLAN ROAD A
C102	ROADWAY PLAN ROAD A
C103	ROADWAY PLAN ROAD B
C104	ROADWAY PLAN ROAD B
C105	ROADWAY PLAN ROAD B
C106	ROADWAY PLAN CL 5 TO 6
C107	ROADWAY PLAN CL 7 TO 8
C108	ROADWAY PLAN CL 9 TO 10
C109	ROADWAY PLAN CL 11+12 TO 13
C110	ROADWAY PLAN CL 15 TO 17
C111	ROADWAY PLAN ROAD C
C112	ROADWAY PLAN ROAD D
C113	ROADWAY PLAN ROAD E
C201	DOWNSTREAM BOAT RAMP CHANNEL GRADING
C221	PILOT CHANNEL PLAN AND PROFILE
C301	SWAN FALLS PARK SITE PLAN 1
C302	SWAN FALLS PARK SITE PLAN 2
C303	SWAN FALLS PARK RETAINING WALL PLAN AND PROFILE
C304	SWAN FALLS PARK DOCK PLAN AND SECTIONS
C305	SWAN FALLS PARK DOCK AND RETAINING WALL SECTIONS AND DETAILS
C320	SWAN FALLS RESERVOIR BOAT RAMP LAYOUT
C321	SWAN FALLS RESERVOIR BOAT RAMP GRADING
C322	RESERVOIR BOAT RAMP ADA PARKING DETAIL
C323	SWAN FALLS RESERVOIR BOAT RAMP PLAN AND PROFILE
C324	SWAN FALLS RESERVOIR BOAT RAMP SECTIONS AND DETAILS
C325	SWAN FALLS RESERVOIR DOCK PLAN AND SECTIONS
C326	SWAN FALLS RESERVOIR DOCK SECTIONS AND DETAILS
C330	DOWNSTREAM BOAT RAMP LAYOUT PLAN
C331	DOWNSTREAM BOAT RAMP GRADING PLAN
C332	DOWNSTREAM BOAT RAMP ADA PARKING DETAIL
C333	DOWNSTREAM BOAT RAMP PLAN AND PROFILE
C334	DOWNSTREAM BOAT RAMP SECTIONS AND DETAILS
C341	DOWNSTREAM BOAT RAMP ADA BOARDING RAMP
C342	ADA BOARDING RAMP SECTIONS AND DETAILS

DWG NO	DESCRIPTION
C343	METAL SEDIMENT SECTIONS AND DETAILS
	LANDSCAPING
L101	DISPERSED RECREATION KEY MAP
L102	DISPERSED RECREATION SITE PLAN 1
L103	DISPERSED RECREATION SITE PLAN 2
L104	DISPERSED RECREATION SITE PLAN 3
L105	DISPERSED RECREATION SITE PLAN 4
L106	DISPERSED RECREATION SITE PLAN 5
L201	ROADWAY REVEGETATION AND FENCING PLAN 1
L202	ROADWAY REVEGETATION AND FENCING PLAN 2
L203	ROADWAY REVEGETATION AND FENCING PLAN 3
L204	ROADWAY REVEGETATION AND FENCING PLAN 4
L205	ROADWAY REVEGETATION AND FENCING PLAN 5
L206	ROADWAY REVEGETATION AND FENCING PLAN 6
L221	PILOT CHANNEL REVEGETATION PLAN
L301	LANDSCAPE NOTES AND DETAILS
L302	SWAN FALLS PARK LANDSCAPE PLAN 1
L303	SWAN FALLS PARK LANDSCAPE PLAN 2

REVISION	
D	12/13/13 ISSUED FOR CONSTRUCTION
1	03/13/14 REVISED JETTY & TREE DRAWING

McMILLEN, LLC

	Swan Falls Dam Recreation Improvement Project	
	DRAWING INDEX	
	IDAHO POWER COMPANY BOISE, IDAHO	
	SCALE: AS NOTED	DATE: JAN 2014
	APPROVED	200-....
REV.		G002

CONTROL POINT TABLE				
CP#	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	786,356.15	1403,947.21	2307.29	BRC BR Elev=56.82
2	786793.74	1402994.48	2303.13	BRC BR Elev=56.67
3	787673.02	1401763.05	2301.66	BRC BR Elev=56.43
4	787788.36	1405682.64	2301.43	BRC BR Elev=57.69
5	786812.22	1404778.35	2303.28	BRC BR Elev=57.14
6	785588.38	1405384.13	3020.79	BRS NGS BM SWAN FALLS
7	784490.82	1405032.34	2308.31	BRC BR Elev=57.32
8	783360.07	1404458.18	2306.56	BRC BR Elev=57.02
9	786102.67	1403,804.39	2308.92	BRC BR Elev=56.87
10	785317.91	1405857.17	2306.80	E-SHALEAGE
11	784467.93	1404388.11	2299.08	E-SHALEAGE
12	779050.87	1403408.24	2327.03	RMT WITH STAMPED WASHER
13	779252.10	1401325.73	2318.53	RMT WITH STAMPED WASHER
14	784085.29	1399857.67	2296.29	BRC BR Elev=56.18
15	785864.89	1400146.43	2299.54	BRC BR Elev=56.08
16	788113.78	1400411.25	2300.90	BRC BR Elev=55.93
17	790834.40	1400443.26	2312.87	BRC BR Elev=55.74
18	792741.39	1400437.83	2319.88	BRC BR Elev=55.67
19	793188.95	1400634.84	2320.05	BRC BR Elev=57.50
20	793429.33	1401597.80	2308.81	RMT WITH STAMPED WASHER
21	788219.74	1401019.81	2301.38	BRC BR Elev=55.25

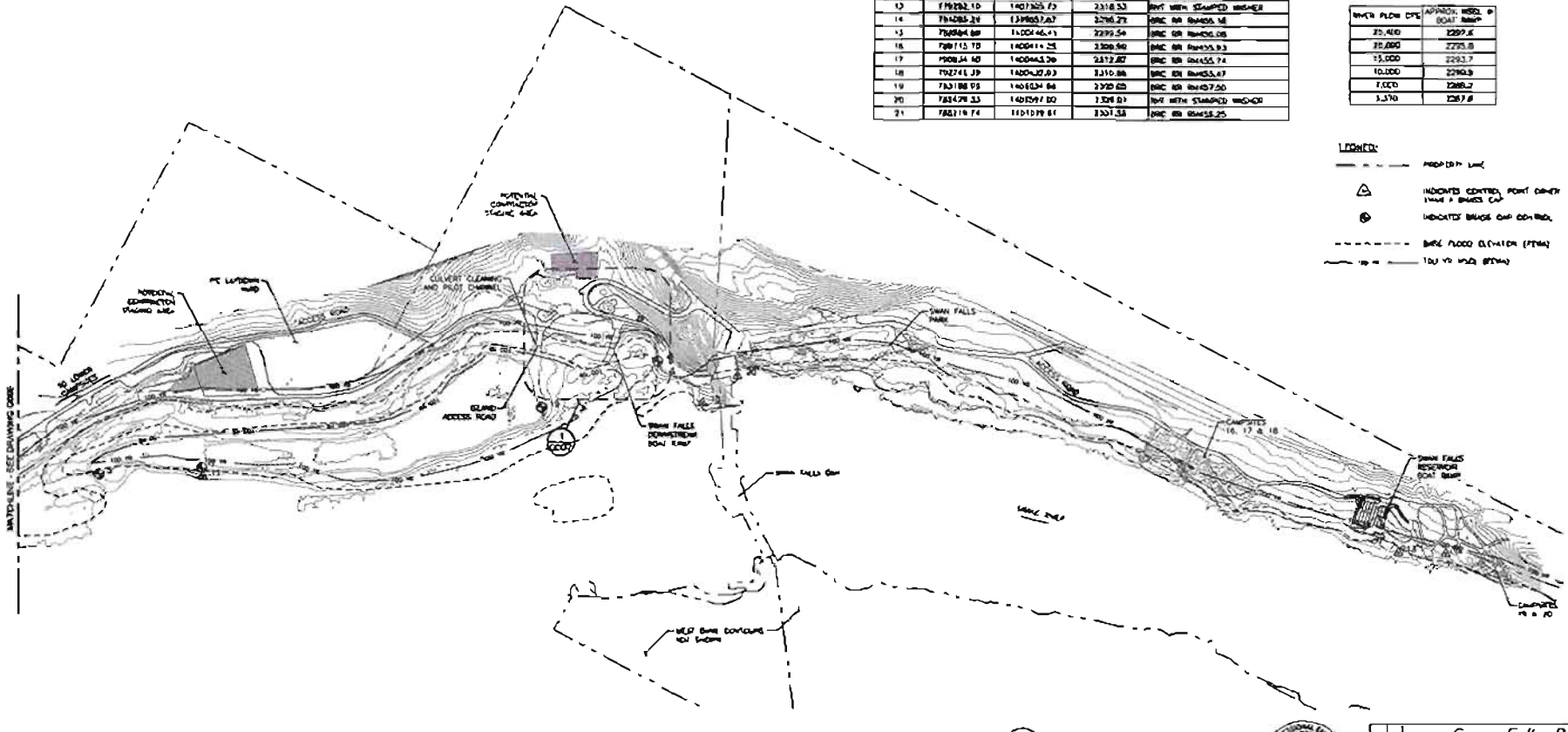
GENERAL NOTES:

1. TOPOGRAPHIC MAPPING COMPLETED VIA 3-FOOT POST LIDAR COLLECTED BY MAXCESS SCIENCE, INC DATED SEPTEMBER 18, 2013 AND PROVIDED BY IDAHO POWER COMPANY.
2. SUPPLEMENTAL BATHYMETRIC SURVEY DATA COMPLETED VIA 3-FOOT GREEN LIDAR COLLECTED BY MAXCESS SCIENCE, INC DATED APRIL 16, 2013 AND PROVIDED BY IDAHO POWER COMPANY.
3. IDAHO POWER COMPANY PROJECTION, NAD83 VERTICAL DATUM.
4. CONTROL POINT TABLE PROVIDED BY IDAHO POWER COMPANY AND ALL CONTROL POINTS SHOWN ON PLANS.
5. THE FOLLOWING TABLE PROVIDES APPROXIMATE WATER SURFACE ELEVATIONS AT THE BOAT RAMP FOR THE FLOWS INDICATED. THESE ELEVATIONS AND CORRESPONDING FLOWS ARE APPROXIMATE AND ARE ONLY PROVIDED FOR REFERENCE. ACTUAL WATER SURFACE ELEVATIONS AND FLOWS MAY VARY DEPENDING ON CHANNEL AND CONDITIONS.

RIVER FLOW CFS	APPROX. WSEL @ BOAT RAMP
25,400	2299.6
20,000	2295.8
15,000	2293.7
10,000	2290.9
7,000	2288.7
3,370	2287.8

LEGEND:

- PROPERTY LINE
- INDICATES CONTROL POINT (BRASS CAP)
- INDICATES BRASS CAP CONTROL
- BASE FLOOD ELEVATION (FEMA)
- 100 YR MAP (FEMA)



OVERALL PROJECT SITE PLAN AND CONTROL - UPSTREAM

SCALE: 1" = 150'

McMILLEN, LLC

REVISION	
0	12/16/13
	ISSUED FOR CONSTRUCTION
1	01/14/14
	REVISE ACTIVE & SIDE CHANNEL

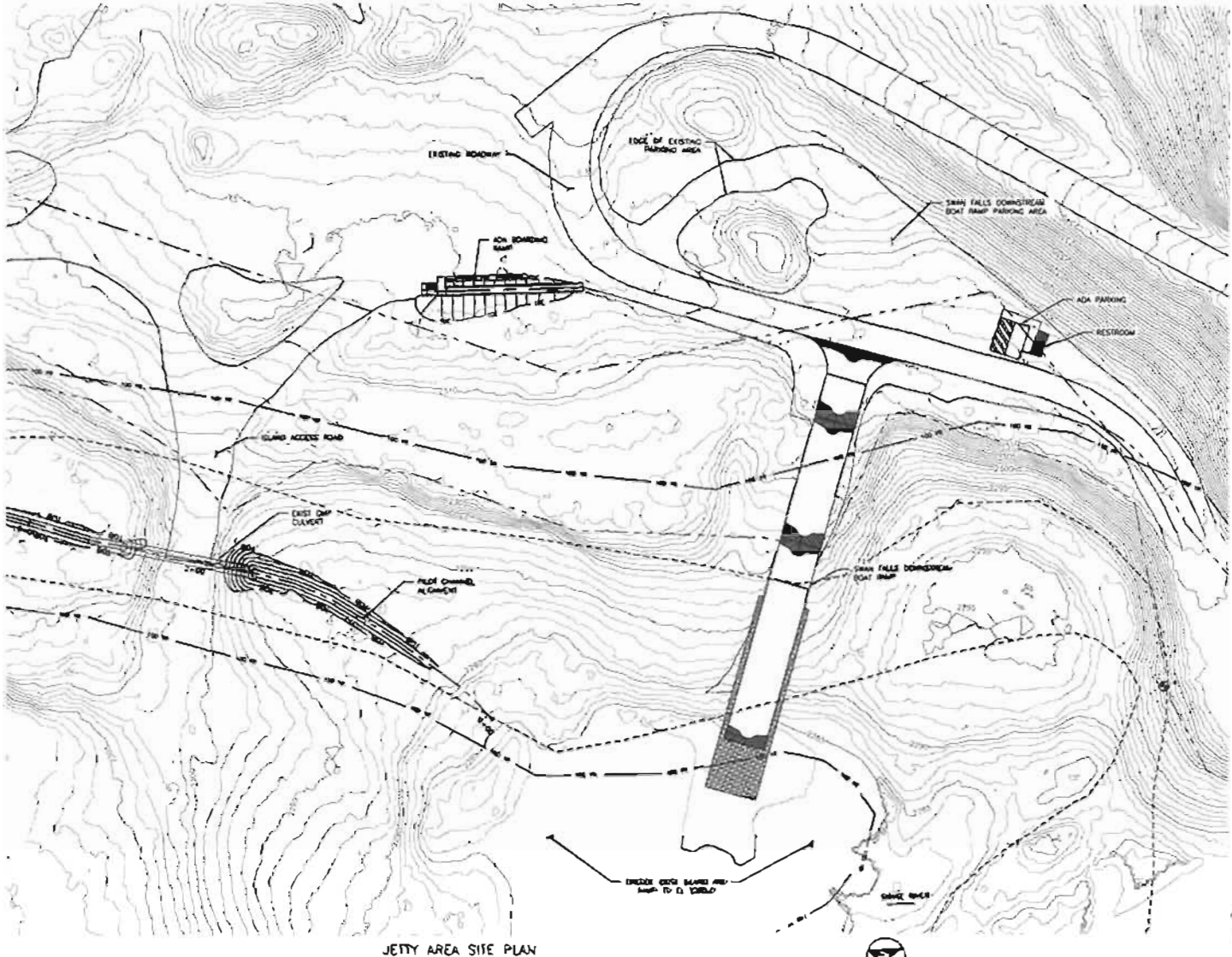
Swan Falls Dam
Recreation Improvement Project
OVERALL PROJECT SITE PLAN AND CONTROL - UPSTREAM

IDAHO POWER COMPANY BOISE, IDAHO

SCALE: AS NOTED DATE: MAY 2014

APPROVED 20D-_____

C005



JETTY AREA SITE PLAN

SCALE 1" = 50'

SHEET NOTES:

1. SEE SHEET 2000 FOR SHEET NOTES, CONTROL POINTS AND LEGEND.

REVISION

0	12/16/13 ISSUED FOR CONSTRUCTION
1	01/15/14 REMOVE JETTY & SIDE CHANNEL

McMILLEN, LLC

Swan Falls Dam
Recreation Improvement Project
JETTY AREA SITE PLAN

IDAHO POWER COMPANY BOISE, IDAHO

SCALE: AS NOTED DATE: MAR 2014

APPROVED

200-

GDO1

GENERAL NOTES:

1. SEE SPECIFICATIONS AND SPECIAL CONDITIONS FOR CLEARING, GRUBBING AND DEMOLITION REQUIREMENTS

SHEET KEY NOTES:

1. REMOVE AND DISPOSE OF EXISTING CONCRETE BOAT RAMP
2. REMOVE AND SALVAGE DOCK FOR OWNER'S USE COORDINATE REMOVAL SCHEDULE WITH OWNER
3. PROTECT AND REUSE EXISTING CONCRETE DOCK ABUTMENT
4. PROTECT AND REUSE EXISTING FIRE PILE
5. RETAIN AND PROTECT EXISTING FENCE
6. RETAIN AND PROTECT EXISTING DOCK

RESERVOIR BOAT RAMP DEMOLITION PLAN

SCALE: 1" = 30'

REVISION

0 12/18/13 ISSUED FOR CONSTRUCTION

McMILLEN, LLC

Swan Falls Dam
Recreation Improvement Project
SWAN FALLS RESERVOIR BOAT RAMP DEMOLITION PLAN

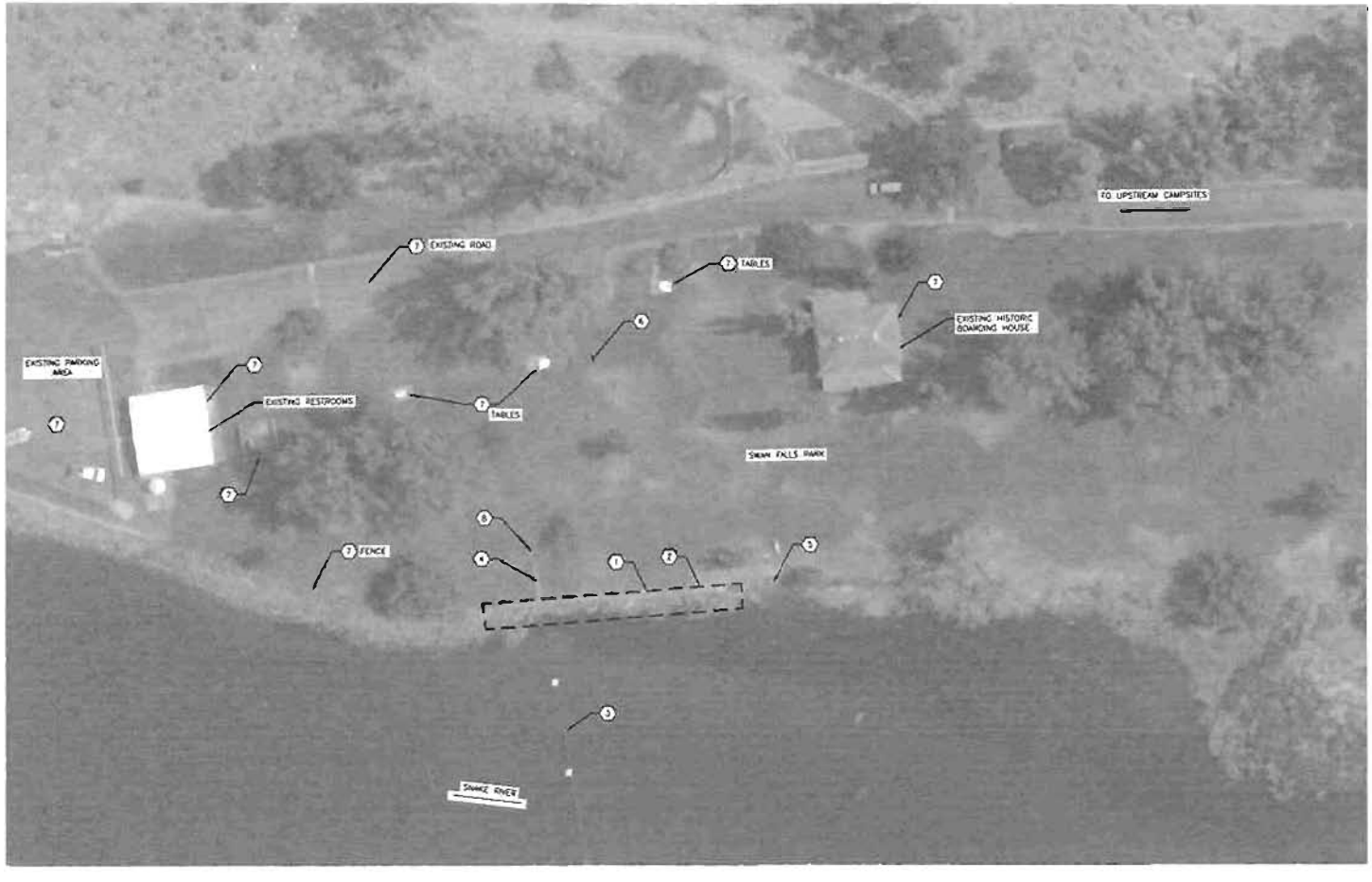
IDAHO POWER COMPANY BOISE, IDAHO

SCALE AS NOTED DATE DEC 2013

APPROVED 20D-.....

D101

VAULT NO. 0-



PARK DEMOLITION PLAN

GENERAL NOTES

- SEE SPECIFICATIONS AND SPECIAL CONDITIONS FOR CLEARING, GRUBBING AND DEMOLITION REQUIREMENTS

SHEET KEY NOTES

1. REMOVE EXISTING RETAINING WALL BLOCKS AND STOCK ON-SITE FOR NEW RETAINING WALL
2. CLEAN AND GRUB RETAINING WALL LENGTH TO ALLOW FOR RETAINING WALL REGRADING
3. REMOVE AND PROTECT EXISTING BUOY LINE
4. REMOVE AND DISPOSE OF EXISTING FENCES
5. CLEAR AND GRUB NEW BOAT DOCK ABUTMENT LOCATION
6. CLEAN AND GRUB FOR NEW PATHWAY AND PICNIC AREA. SEE SHEET G301 AND G302 FOR PARK SITE PLANS
7. REMOVE AND PROTECT EXISTING FACILITIES
8. REMOVE AND DISPOSE OF EXISTING SHEET PILE MICROPILE

REVISION

0 12/18/13 ISSUED FOR CONSTRUCTION

McMILLEN, LLC

Swan Falls Dam
Recreation Improvement Project
SWAN FALLS PARK
DEMOLITION PLAN

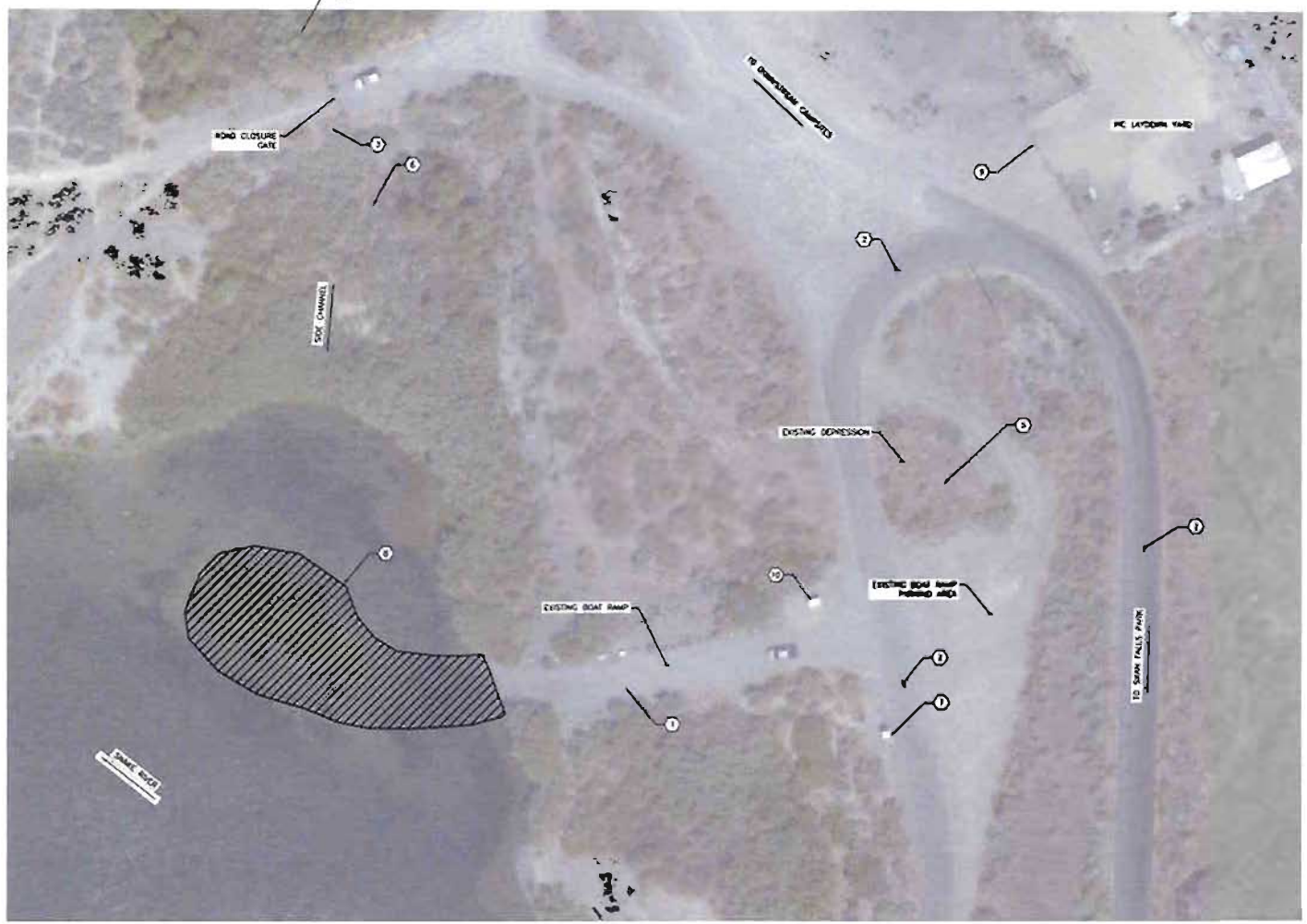
IDAHO POWER COMPANY BOISE, IDAHO

SCALE AS NOTED DATE DEC 2013

APPROVED 20D-.....

REV

WALL NO. D-



DOWNSTREAM BOAT RAMP AND SIDE CHANNEL DEMOLITION PLAN

SCALE: 1" = 30'

EXISTING WORKS

- SEE INVESTIGATIONS AND SITUAL CONDITIONS FOR PLANNING, CLEARING AND DEMOLITION WORK REQUIRED

DEMOLITION KEYNOTES

1. CLEAR AND GRUB AREA FOR NEW BOAT RAMP, SEE SHEET C110-C112
2. REMOVE AND PROTECT EXISTING GRAVEL ROADWAY
3. CLEAR OUT (2) EXISTING CHIP'S LANDING SPUR ROAD
4. GATE BLOCK
5. CLEAR AND GRUB EXISTING DEPRESSION TO BE FILLED DURING CHANNEL, SEE SHEET C110
6. CLEAR AND GRUB FLOW CHANNEL AS REQUIRED FOR FLOW CHANNEL CONSTRUCTION
7. EXISTING OUTHOUSE TO BE REMOVED IN ENTIRETY
8. REMOVE GRAVEL TO ELEVATION 2840.0 (APPROX BOAT LAUNCH AREA TO ELEVATION 2840.0) (SEE SHEET C110) STOCKPILE FOR DRAIN ROCK USE. (IF FEASIBLE WORK, IT IS SUITABLE FOR PLACEMENT PURPOSE OF REMOVED SOIL ALONG BANKS TO BE RE-VEGETATED
9. PROTECT AND MAINTAIN ACCESS TO EXISTING LAYDOWN YARD
10. EXISTING COMPRESSOR TO BE REMOVED BY OWNER

REVISION	
0	12/11/13 ISSUED FOR CONSTRUCTION
1	01/21/14 REMOVE ATTN & SIDE CHANNEL

McMILLEN, LLC

Swan Falls Dam
Recreation Improvement Project
DOWNSTREAM BOAT RAMP AND SIDE CHANNEL DEMOLITION PLAN

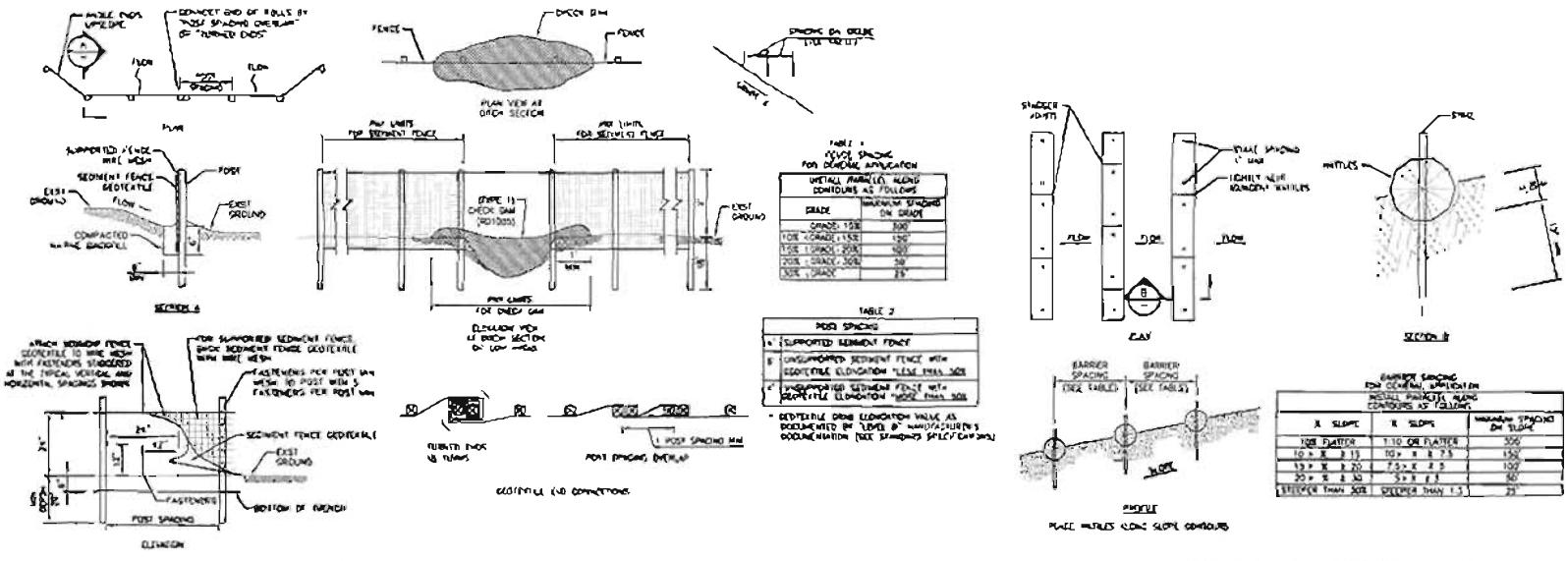
IDAHO POWER COMPANY BOISE, IDAHO

SCALE: AS NOTED DATE: JAN 2014

APPROVED

20D-...

GRD1

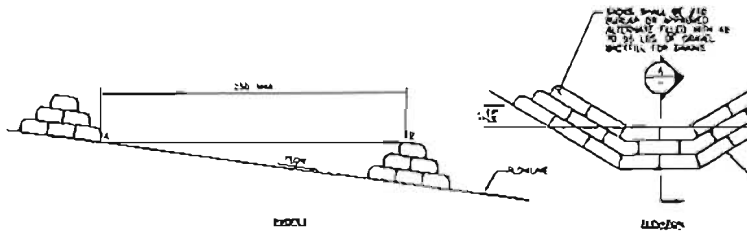


SILT FENCE DETAIL

SCALE: NTS

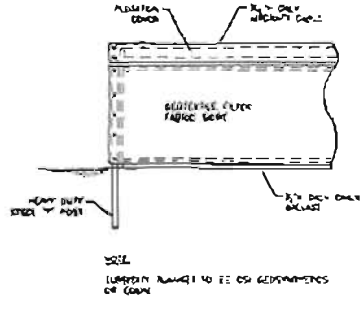
SEDIMENT BARRIER (WATTLES)

SCALE: NTS



SANDBAG CHECK DAMS

SCALE: NTS



TURBIDITY CURTAIN

SCALE: NTS

EROSION CONTROL NOTES

1. THE CONTRACTOR SHALL SUBMIT AN EROSION AND SEDIMENT CONTROL PLAN FOR WORK DURING CONSTRUCTION, SIGNED AND STAMPED BY A REGISTERED CIVIL ENGINEER PRIOR TO THE START OF CONSTRUCTION, THAT MEETS ALL FEDERAL, STATE AND LOCAL REQUIREMENTS.
2. ALL SLOPES SHALL BE PROTECTED FROM EROSION DURING ROUGH GRADING OPERATIONS AND THEREAFTER UNTIL INSTALLATION OF FINAL GROUNDCOVER.
3. THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTATION AND MAINTENANCE OF EROSION AND SEDIMENT CONTROL MEASURES CONTAINED WITHIN THE CONTRACT SPECIFICATIONS. THE CONTRACTOR SHALL ALSO IMPROVE ANY ADDITIONAL EROSION CONTROL MEASURES (HYDROSEEDING, MULCHING OF STRAW, SAND DIVERSION DITCHES, ETC.) DICTATED BY FIELD CONDITIONS TO PREVENT EROSION OR THE INTRODUCTION OF DIRT, MUD, OR DEBRIS TO EXISTING PUBLIC OR PRIVATE DRAINS OR ONTO ADJACENT PROPERTIES DURING ANY PHASE OF CONSTRUCTION OPERATIONS. SPECIAL ATTENTION SHALL BE GIVEN TO ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES WHEN WORKING
4. THE GENERAL EROSION AND SEDIMENT CONTROL PLAN ON DRAWING 1 IS PROVIDED TO AID THE CONTRACTOR IN DEVELOPING THE EROSION AND SEDIMENT CONTROL PLAN RECORDING TO CONTRACTOR SCHEDULE AND PHASING OF THE PROJECT.
5. CONTRACTOR SHALL INSTALL EROSION CONTROL MEASURES AS INDICATED AND IN ANY ADDITIONAL LOCATIONS WHERE MATERIAL COULD LEAVE THE CONSTRUCTION SITE AS CONTRACTORS EXPOSE.
6. INSTALL WATTLES OR SILT FENCE BETWEEN ALL DISTURBED AREAS AND THE RIVER WHO INCLUDES ALL EXCAVATIONS, FILL AREAS, STOCKPILES, ETC. STRAW WATTLES OR SILT FENCE MAY BE USED BASED ON THE CONTRACTOR'S APPROVED SUBMITTAL FOR THAT PARTICULAR WORK. INSTALL TURBIDITY CURTAIN AROUND THE WORK AREA.
7. THE CONTRACTOR IS RESPONSIBLE FOR INSPECTING AND MAINTAINING ALL EROSION AND SEDIMENT CONTROL MEASURES THROUGHOUT THE DURATION OF THE PROJECT.
8. CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL FACILITIES, FENCING AND STAGING AREA MATERIALS WHEN CONSTRUCTION IS COMPLETE. NO CONSTRUCTION DEBRIS, CONCRETE MATERIALS OR EXCESS EQUIPMENT SHALL BE LEFT ON SITE.
9. CONTRACTOR SHALL REVEGETATE AND MULCH/SEED DISTURBED AREAS AS INDICATED ON THE RE-VEGETATION PLANS.
10. ALL RUNOFF FROM THE CONSTRUCTION ACTIVITIES AND FROM DISPOSAL SITES SHALL BE CONTAINED ON SITE AND FILTERED PRIOR TO DISCHARGE WITH THE USE OF PORTABLE FILTRATION BASINS AND PUMPS.
11. CONTRACTOR SHALL TAKE APPROPRIATE MEASURES TO PREVENT:
    A. TRACKING OF MUD AND DIRT ONTO PAVED ROADS. ROAD SWEEPING IS REQUIRED IF TRACKING OCCURS.
    B. ACCUMULATION OF CONSTRUCTION WASTE AND LITTER ON SITE.
    C. NO GRADING OR CONSTRUCTION ACTIVITIES SHALL OCCUR OUTSIDE OF THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS FOR THE PROJECT.
12. STOCKPILED EXCAVATION MATERIALS SHALL BE PROTECTED FROM WATER AND WIND EROSION BY COVERING AS APPROPRIATE.
13. EROSION CONTROL MEASURES SHALL BE CONSTRUCTED PRIOR TO ANY CONSTRUCTION ACTIVITIES.
14. CONTRACTOR SHALL PROVIDE DUST SUPPRESSANT OVER ALL DISTURBED AREAS OF WORK SHOWN.
15. VEHICLE DISTURBANCES TO EXISTING VEGETATION - LIMITED TO MINIMAL BUFFER STRIPS.
16. CONTRACTOR SHALL HAVE COPIES OF ALL SWPPS, SPILL PREVENTION AND CONTROL MEASURES TO SITE AND [illegible]

REVISION	
0	12/18/13
	ISSUED FOR CONSTRUCTION

Swan Falls Dam

EROSION AND SEDIMENT CONTROL NOTES AND DETAILS

IDAHO POWER COMPANY BOISE, IDAHO

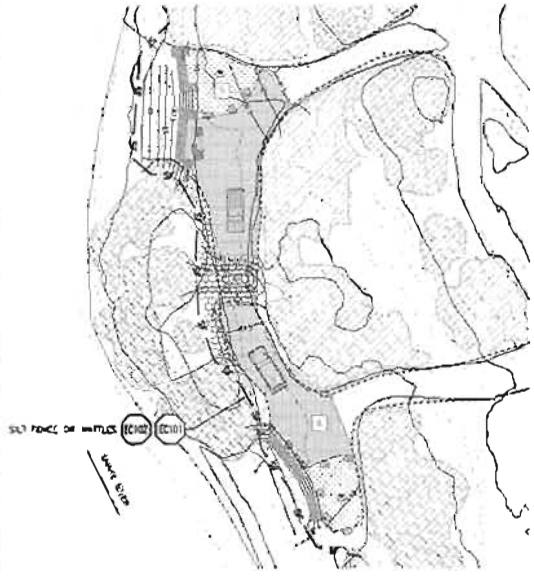
SCALE: AS NOTED DATE: DEC 2013

DES. DF | APPROVED | 20D-.

DR. AM | | |

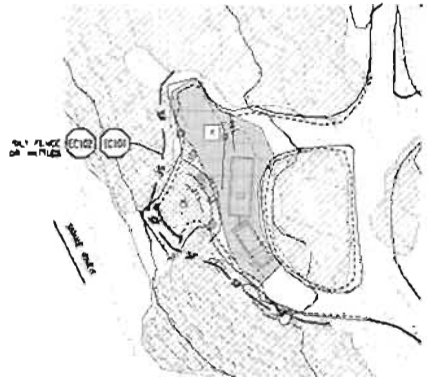
REV. CH. DF | | C5CN01

McMILLEN, LLC



SITES 5 & 6

SITE 7



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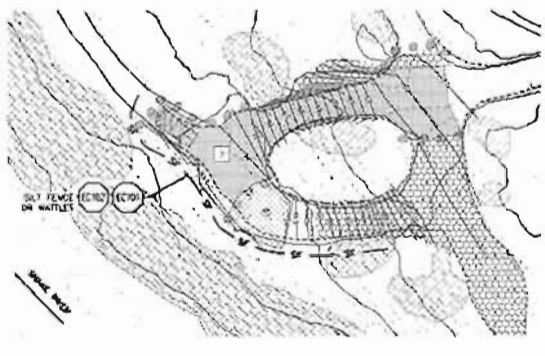
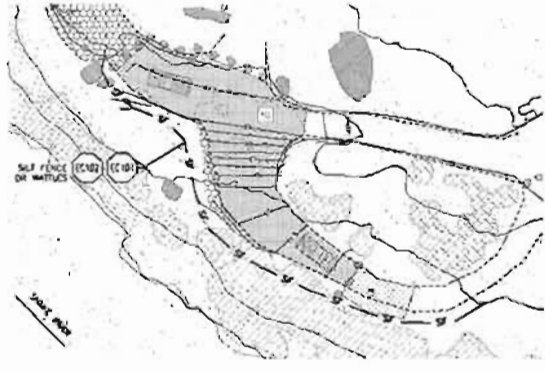


SITE 9



SITE 10

SHEET NOTES:

1. SEE SHEET EC101 FOR GENERAL EROSION CONTROL NOTES.

LEGEND:

- SILT FENCE OR WATTLES
- EC102 WATTLES

REVISION	
0	12/18/13
	ISSUED FOR CONSTRUCTION

PROFESSIONAL ENGINEER REGISTERED 10805 STATE OF IDAHO CHRISTOPHER C. MCMILLEN

McMILLEN, LLC

Swan Falls Dam
Recreation Improvement Project
CAMPSITE EROSION AND SEDIMENT CONTROL PLAN 1

IDAHO POWER COMPANY BOISE, IDAHO

SCALE AS NOTED DATE DEC 2013

APPROVED

20D-...

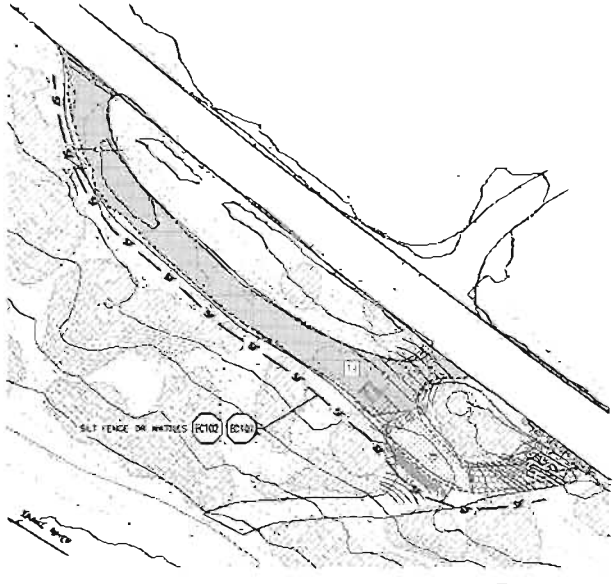
EC102

SHEET NOTES:

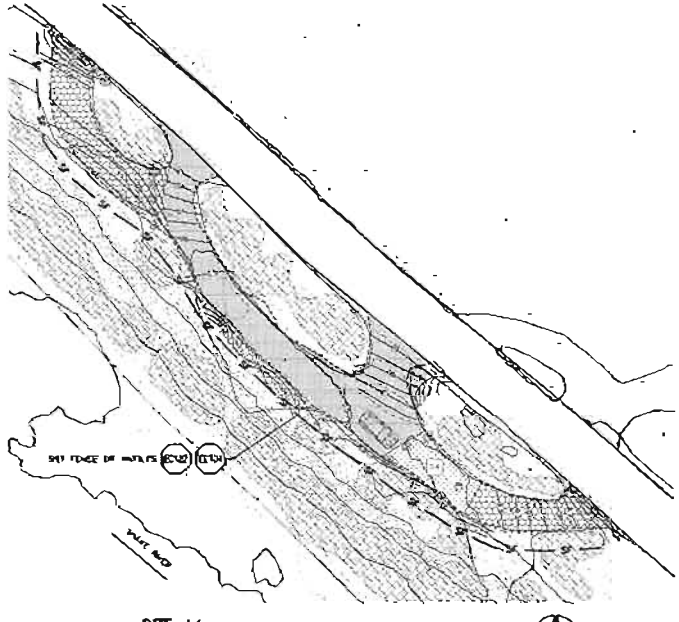
1. SEE SHEET ESC100 FOR GENERAL EROSION CONTROL NOTES.

LEGEND:

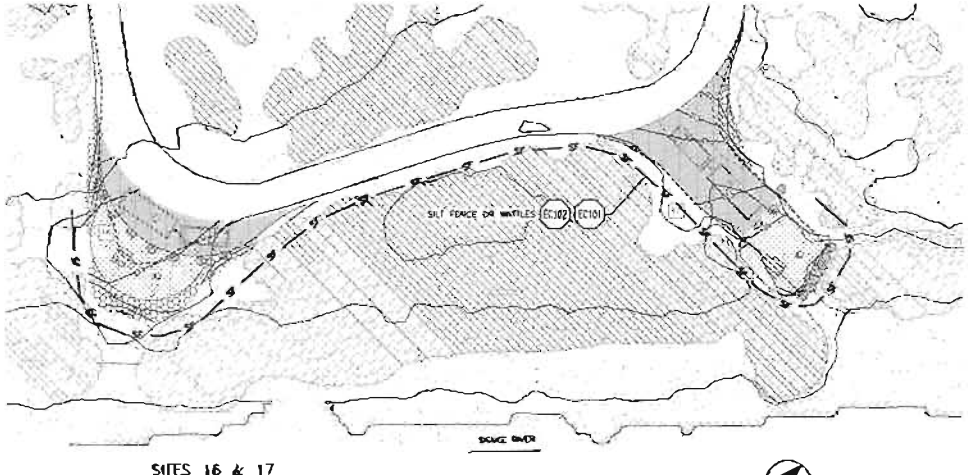
SILT FENCE OR WATTLES



SITE 13



SITE 14



SITES 16 & 17

REVISION

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10805

McMILLEN, LLC

Swan Falls Dam
Recreation Improvement Project
CAMPSITE EROSION AND SEDIMENT CONTROL PLAN 2

IDAHO POWER COMPANY BOISE, IDAHO

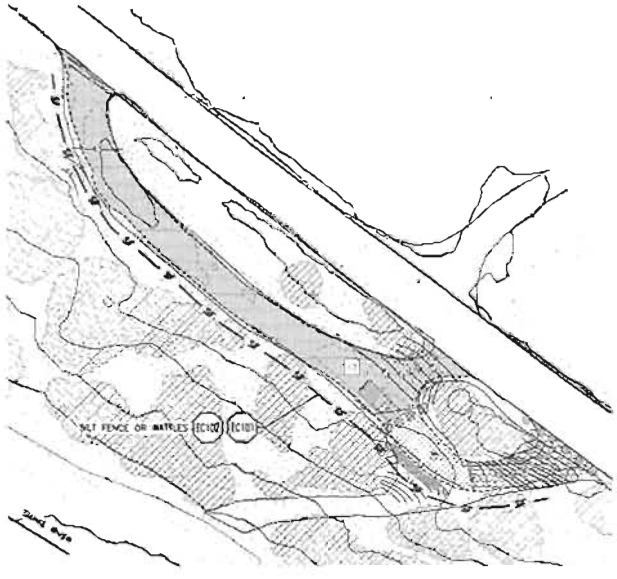
SCALE AS NOTED DATE DEC 2013

APPROVED

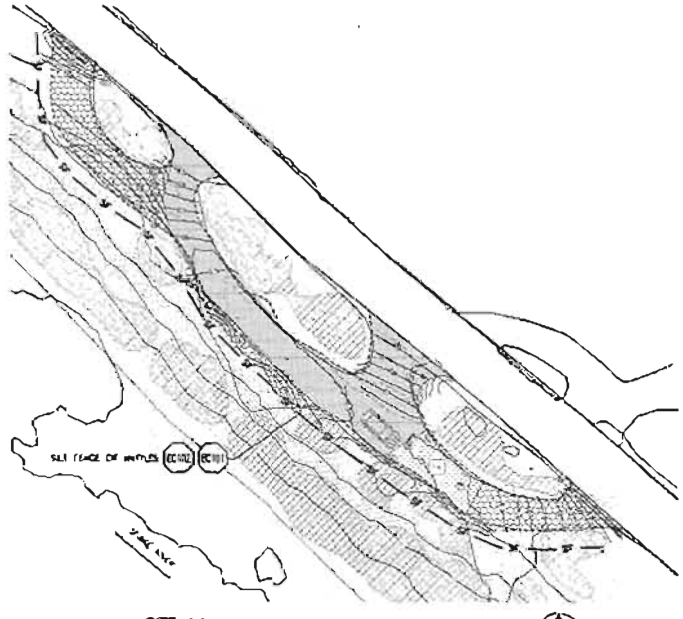
20D-...

ESC103

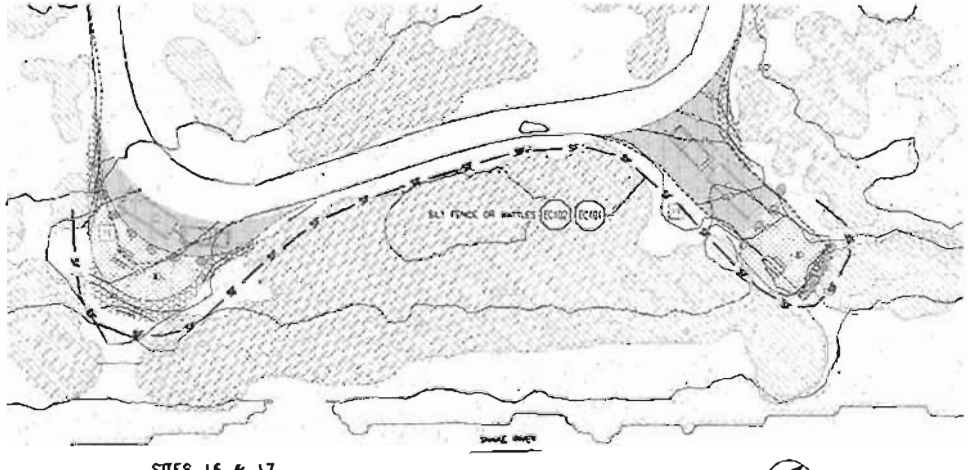
VARIES



SITE 13



SITE 14



SITES 16 & 17

SHEET NOTES:

1. SEE SHEET ENCROW FOR GENERAL EROSION CONTROL NOTES.

LEGEND:

SILT FENCE OR

WATTLES

REVISION

0 12/18/13 ISSUED FOR CONSTRUCTION

McMILLEN, LLC

Swan Falls Dam
Recreation Improvement Project
CAMPSITE EROSION AND SEDIMENT CONTROL PLAN 2

IDAHO POWER COMPANY BOISE, IDAHO

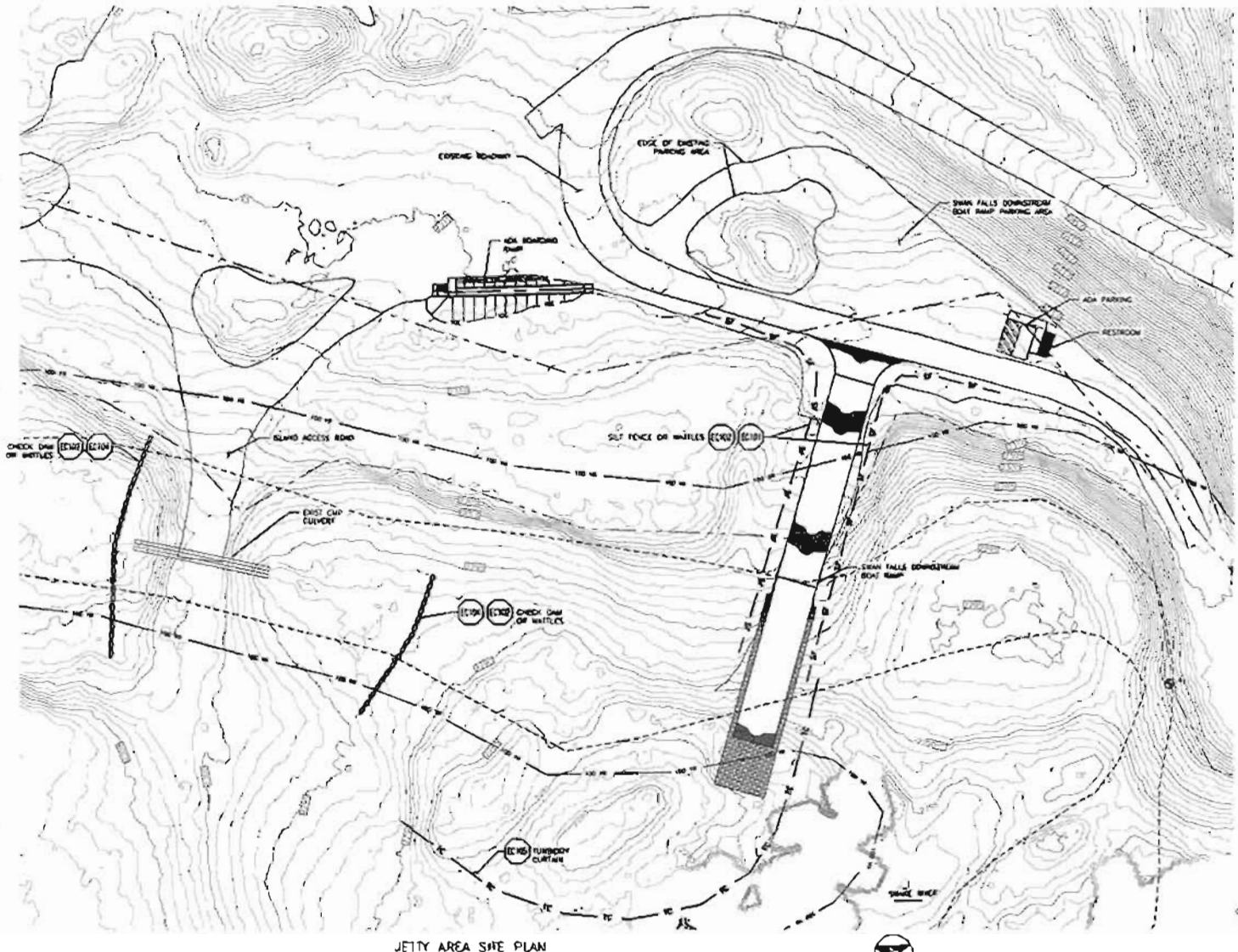
SCALE AS NOTED DATE DEC 2013

APPROVED

20D-....

REV.

VAULT NO. D-



JETTY AREA SITE PLAN

SCALE 1" = 80'

SHEET NOTES:

1. SEE SHEET EC010 FOR GENERAL EROSION CONTROL NOTES

LEGEND:

- EC101 SILT FENCE OR WATTLES
- EC102 WATTLES
- EC104 CHECK DAM
- EC105 TURBIDITY CURTAIN

REVISION

0	12/18/13 ISSUED FOR CONSTRUCTION
1	01/13/14 REMOVE JETTY & ADD CHANNEL

McMILLEN, LLC

Swan Falls Dam
Recreation Improvement Project
JETTY AREA EROSION AND SEDIMENT CONTROL PLAN

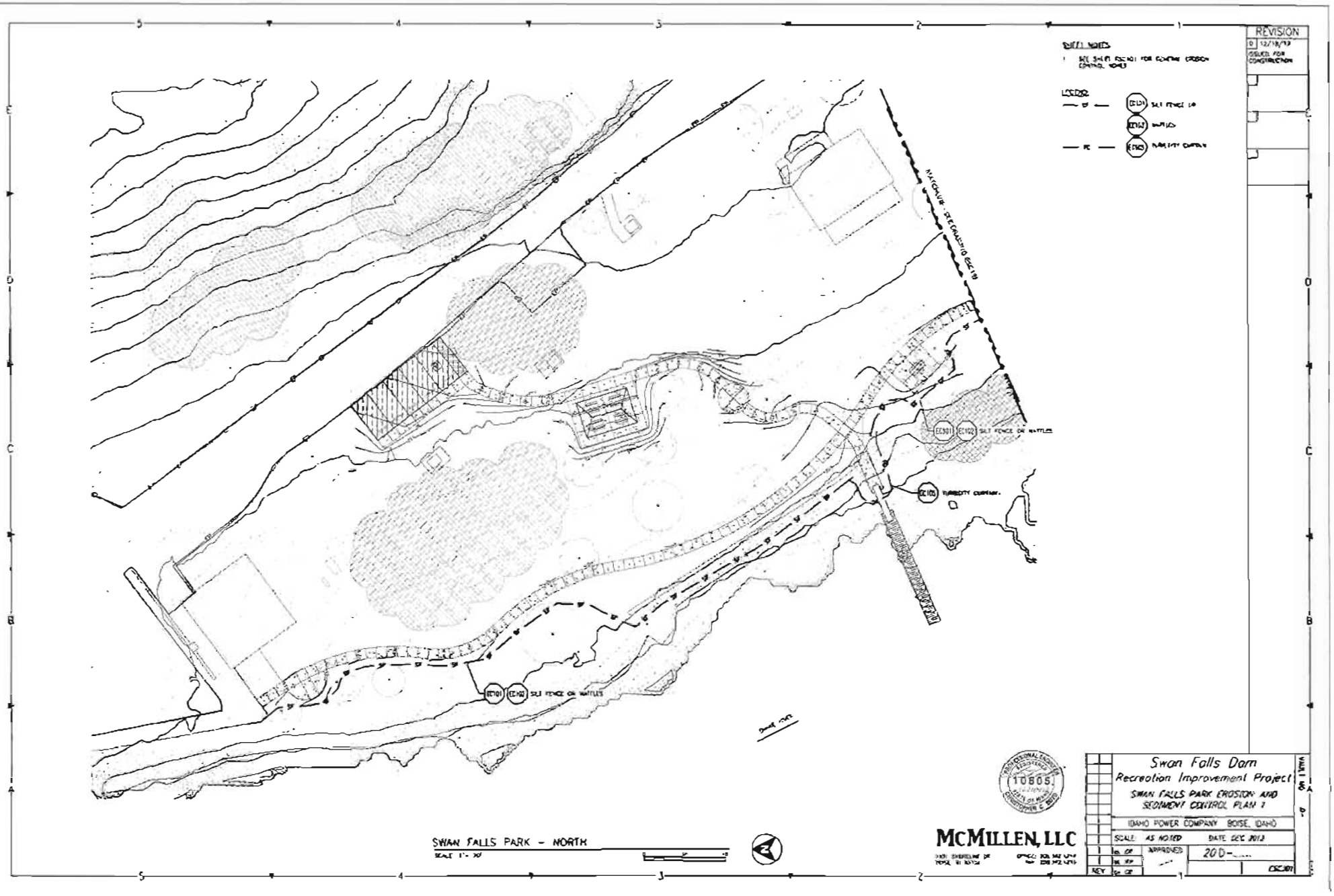
IDAHO POWER COMPANY BOISE, IDAHO

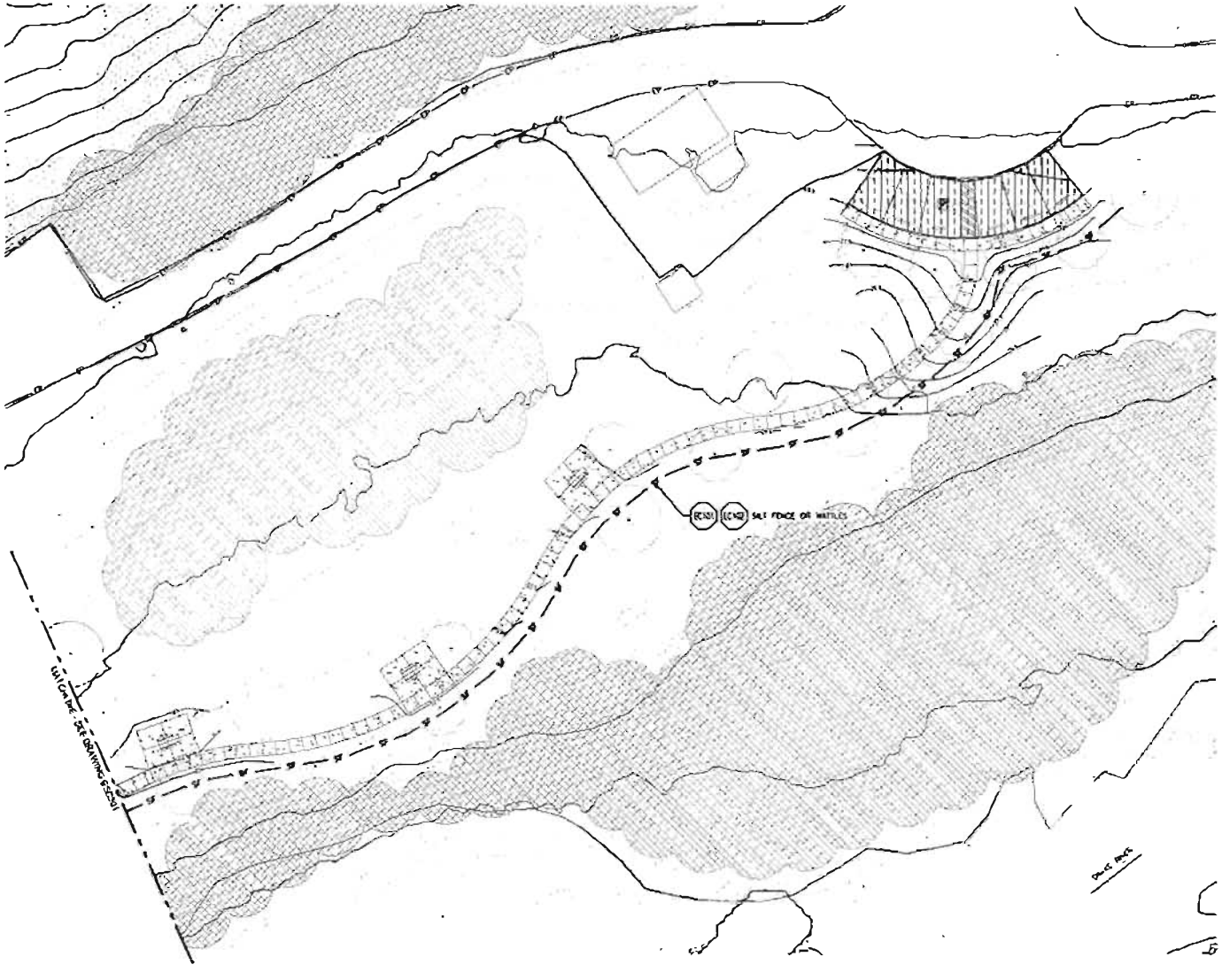
SCALE: AS NOTED DATE: JAN 2014

APPROVED

20D-.....

EC201


REVISION
SHEET NOTES
LEGEND
EC101 SILT FENCE OR
EC102 WATTLES
EC103 TURBIDITY CURTAIN
EC101 EC102 SILT FENCE OR WATTLES
EC101 EC102 SILT FENCE OR WATTLES
EC103 TURBIDITY CURTAIN
SWAN FALLS PARK - NORTH
SCALE 1" = 20'
McMILLEN, LLC
Swan Falls Dam
Recreation Improvement Project
SWAN FALLS PARK EROSION AND SEDIMENT CONTROL PLAN 1
IDAHO POWER COMPANY BOISE, IDAHO
SCALE AS NOTED
DATE DEC 2013
APPROVED
20D-
REV
CSC101



SHEET NOTES

1. SEE SHEET EC101 FOR GENERAL EROSION CONTROL NOTES

LEGEND

— SF — EC101 SILT FENCE OR EC102 WATTLES

REVISION

0 12/18/13 ISSUED FOR CONSTRUCTION

McMILLEN, LLC

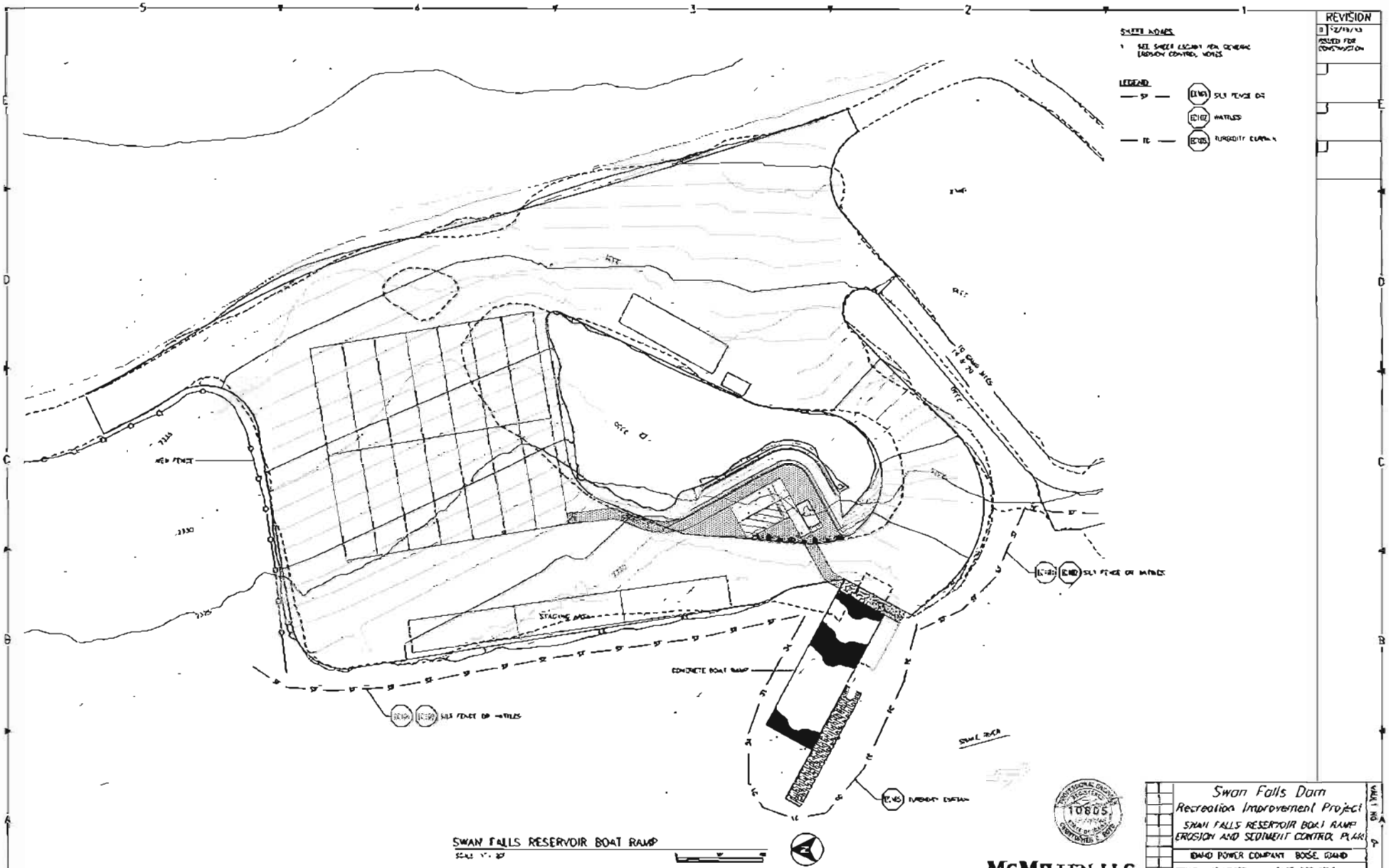
Swan Falls Dam
Recreation Improvement Project
SWAN FALLS PARK EROSION AND SEDIMENT CONTROL PLAN 2

IDAHO POWER COMPANY BOISE, IDAHO

SCALE AS NOTED DATE DEC 2013

APPROVED 20D-....

REV.



REVISION

B	12/19/13	ISSUED FOR CONSTRUCTION

McMILLEN, LLC

Swan Falls Dam
Recreation Improvement Project
SWAN FALLS RESERVOIR BOAT RAMP
EROSION AND SEDIMENT CONTROL PLAN

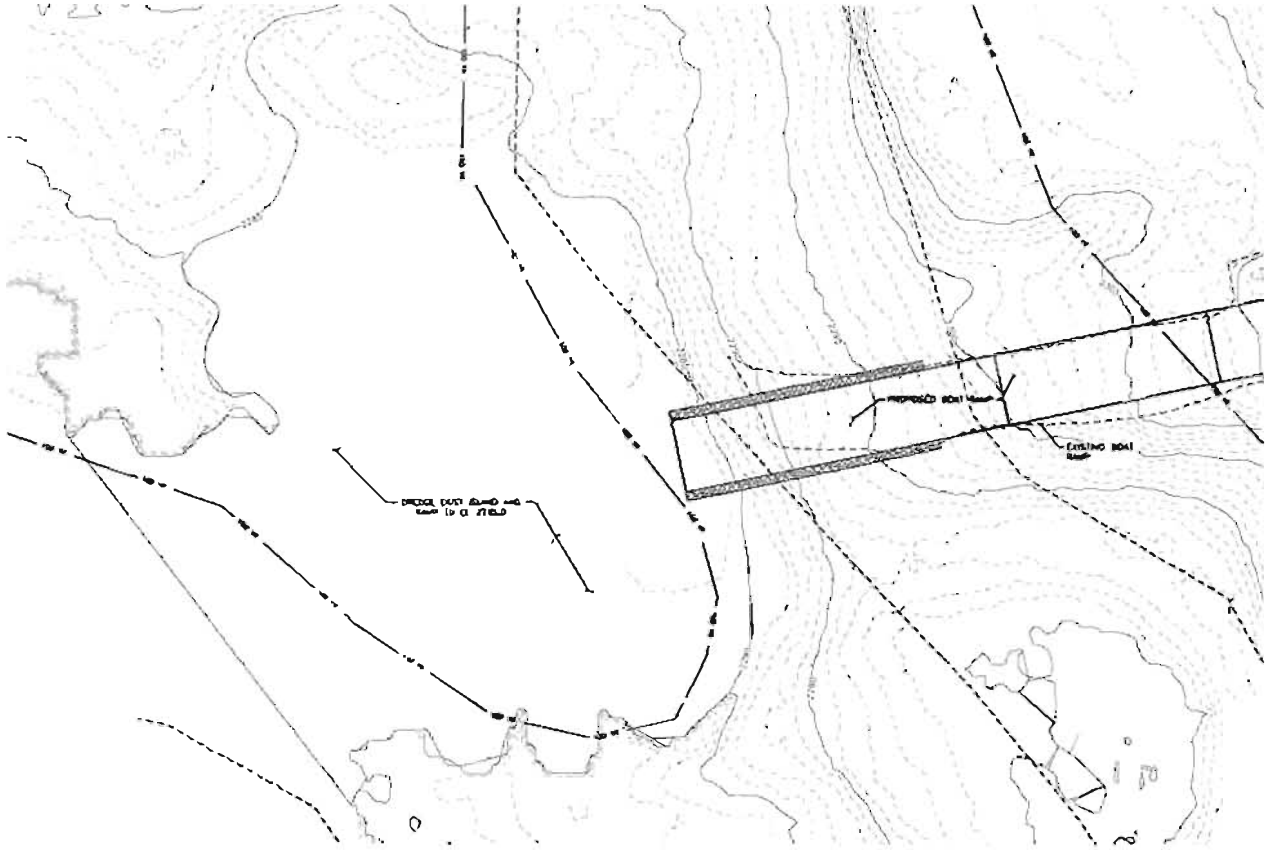
IDAHO POWER COMPANY BOISE, IDAHO

SCALE: AS NOTED DATE: DEC 2013

APPROVED

DESIGN

ESC101



DOWNSTREAM BOAT RAMP

SCALE: 1" = 10'

REVISION

0 12/18/13 ISSUED FOR CONSTRUCTION

1 01/13/14 REMOVE JETTY & SIDE CHANNEL

McMILLEN, LLC

Swan Falls Dam
Recreation Improvement Project
DOWNSTREAM BOAT RAMP
CHANNEL GRADING

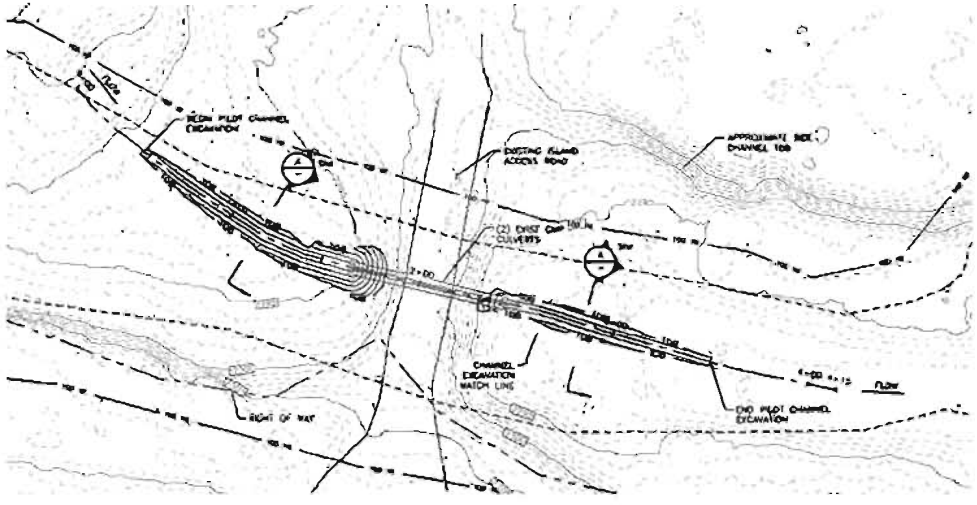
IDAHO POWER COMPANY BOISE, IDAHO

SCALE: AS NOTED DATE: JAN 2014

APPROVED

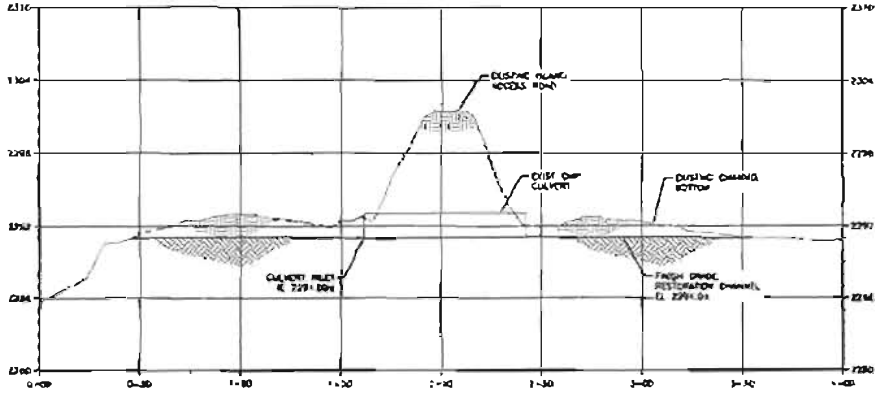
20D-...

C201



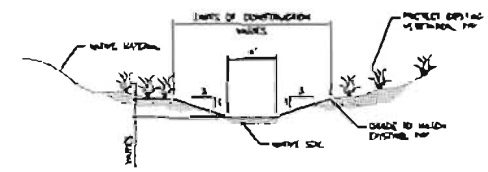
PLAN

SCALE 1" = 30'



PROFILE

SCALE 1" = 30'



TYPICAL PILOT CHANNEL SECTION

SCALE 1" = 5'

SHEET NOTES:

1. CLEAN OUT CMP CULVERTS AND EXTEND PILOT CHANNEL TO CONTACT AT EXIST CHANNEL INVERT. FIELD ADJUST CHANNEL AS REQUIRED IN COOPERATION WITH THE OWNER ENGINEER DESIGNATION

REVISION

0 [illegible] ISSUED FOR CONSTRUCTION

1 01/13/14 REMOVE JETTY & SIDE CHANNEL

MCMILLEN, LLC

Swan Falls Dam
Recreation Improvement Project
PILOT CHANNEL PLAN AND PROFILE

IDAHO POWER COMPANY BOISE, IDAHO

SCALE: AS NOTED DATE: JAN 2014

APPROVED

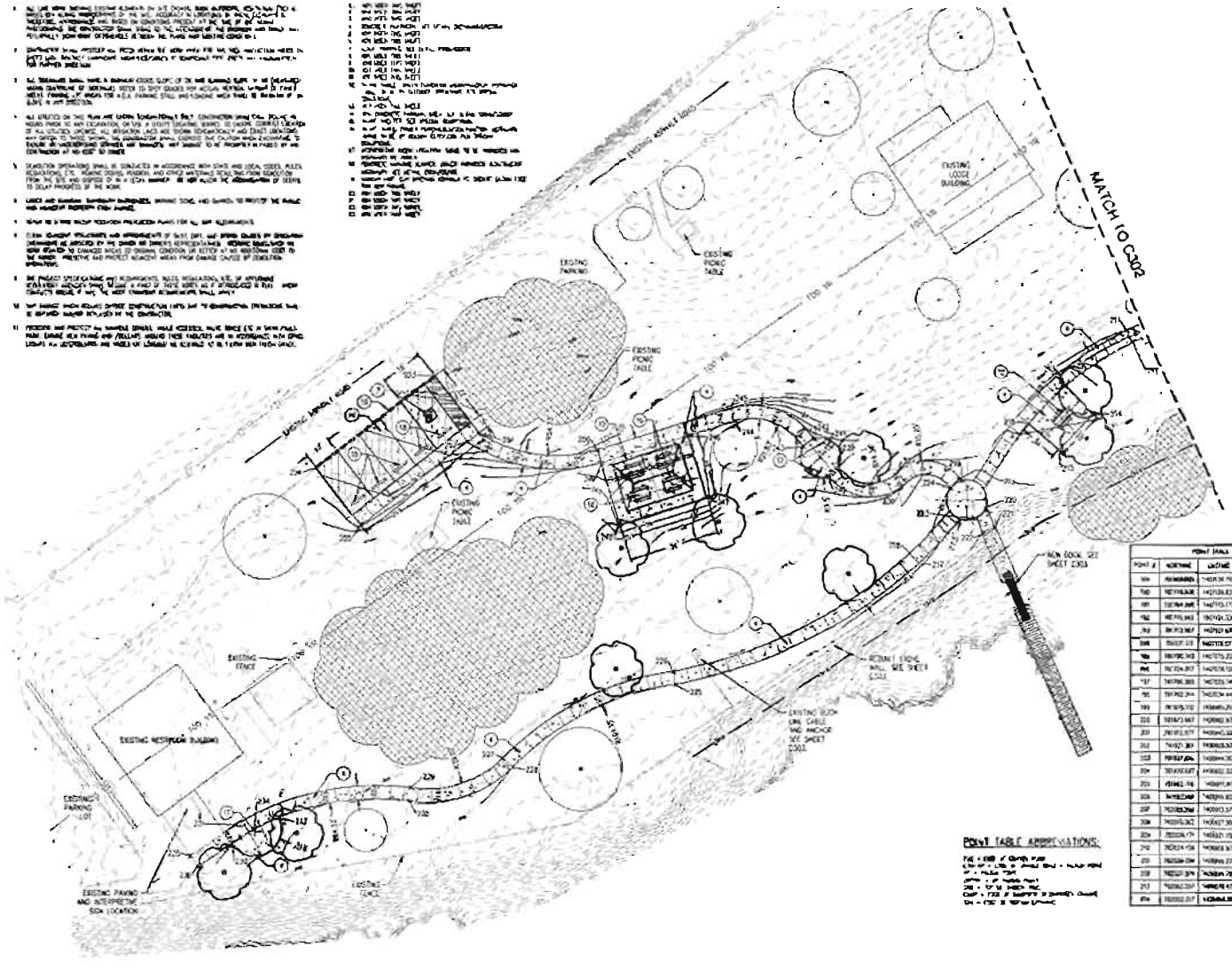
20D-

REV

SWAN FALLS PARK SHEET NOTES:

SHEET KEYNOTES:

LEGEND:



Swan Falls Park - North

REVISION

Swan Falls Dam
Recreation Improvement Project
SWAN FALLS PARK
SITE PLAN 1

IDAHO POWER COMPANY BOISE, IDAHO

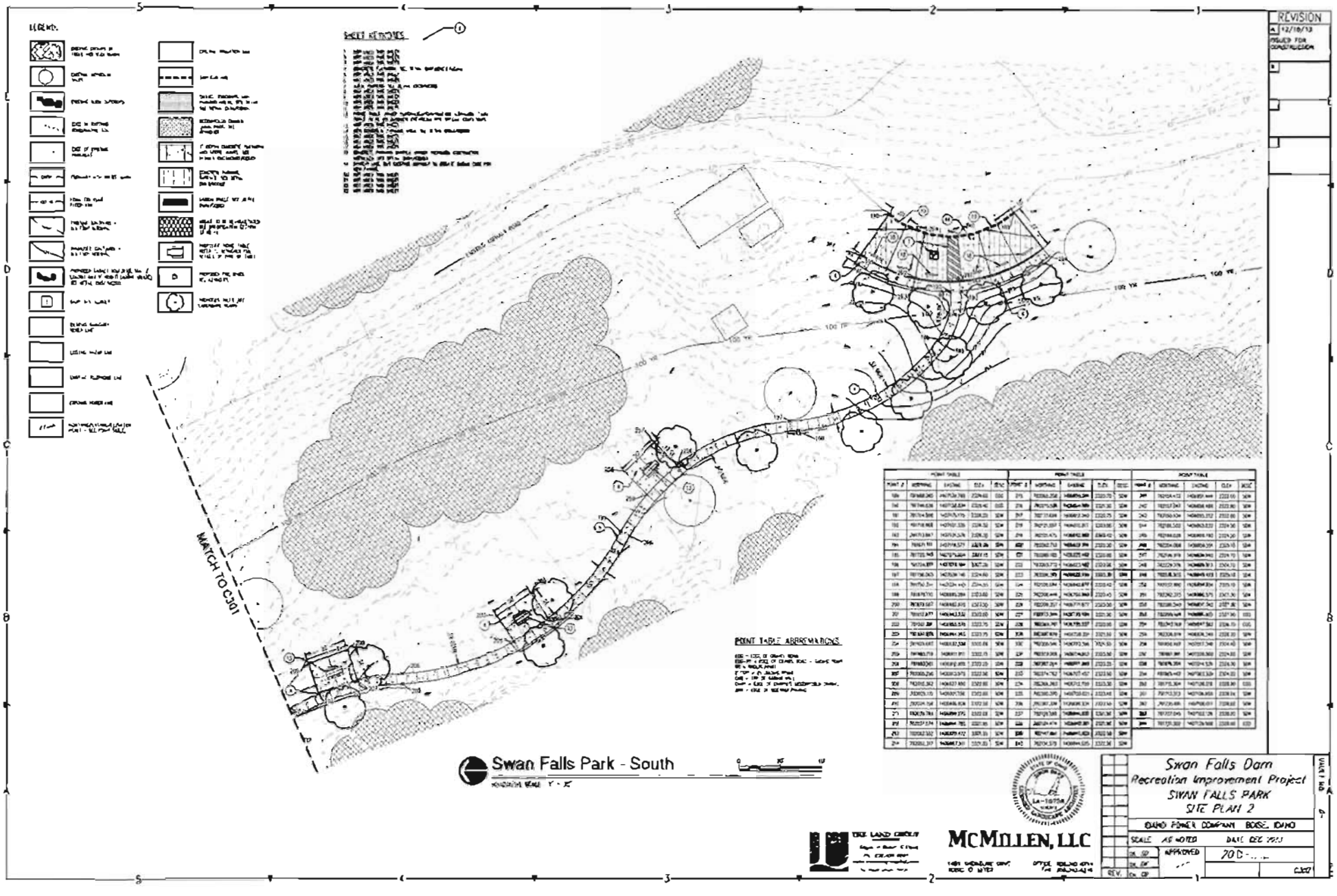
SCALE AS NOTED DATE DEC 2013

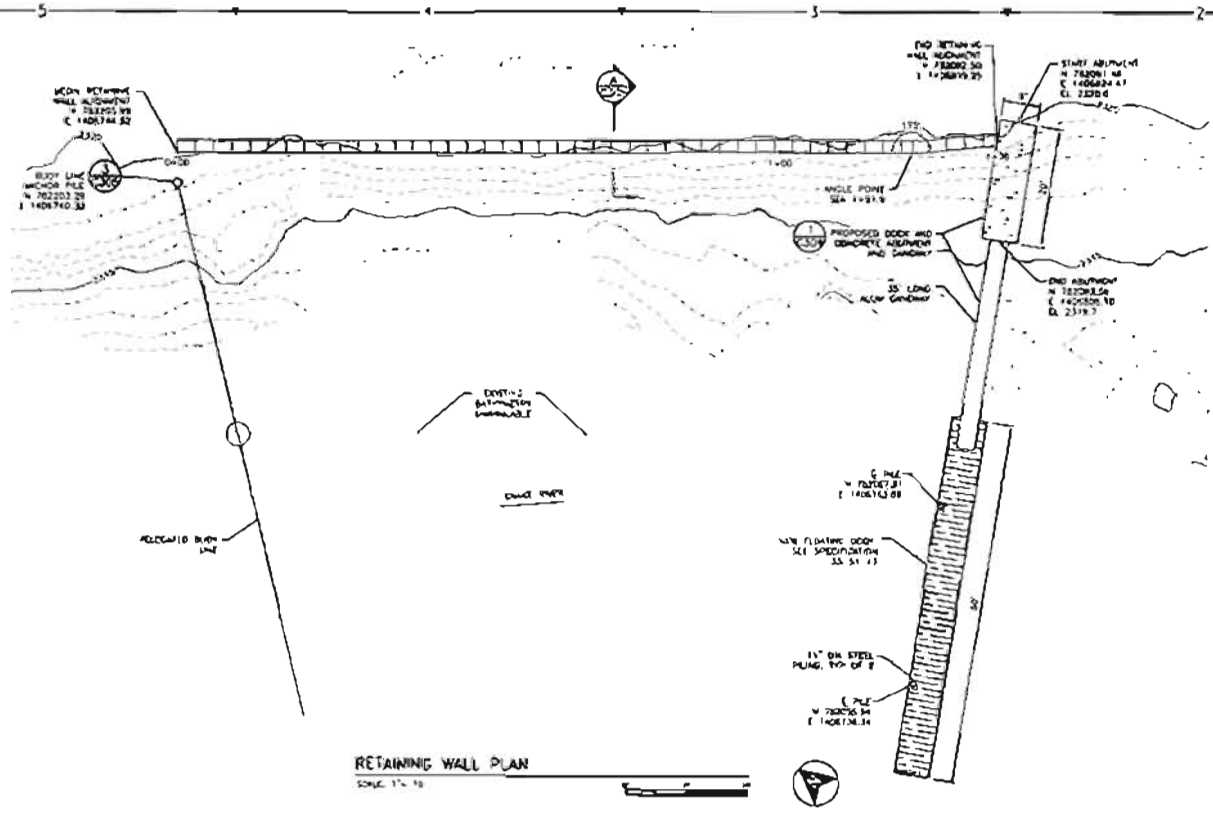
APPROVED 20D-....

C301

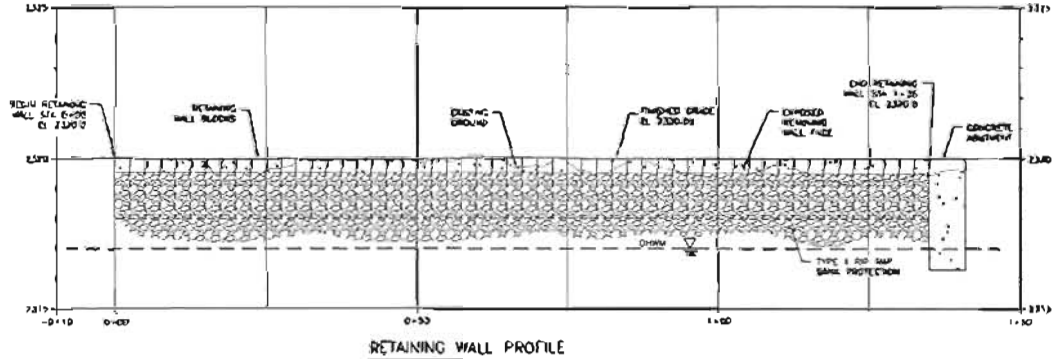
THE LAND GROUP

McMILLEN, LLC


LEGEND
SHEET KEYNOTES
MATCH TO C301
Swan Falls Park - South
POINT TABLE ABBREVIATIONS
REVISION
12/10/13
ISSUED FOR CONSTRUCTION
Swan Falls Dam
Recreation Improvement Project
SWAN FALLS PARK
SITE PLAN 2
IDAHO POWER COMPANY BOISE, IDAHO
SCALE AS NOTED
APPROVED
McMILLEN, LLC
THE LAND GROUP



RETAINING WALL PLAN



RETAINING WALL PROFILE

REVISION

D 12/18/13 ISSUED FOR CONSTRUCTION

MCMILLEN, LLC

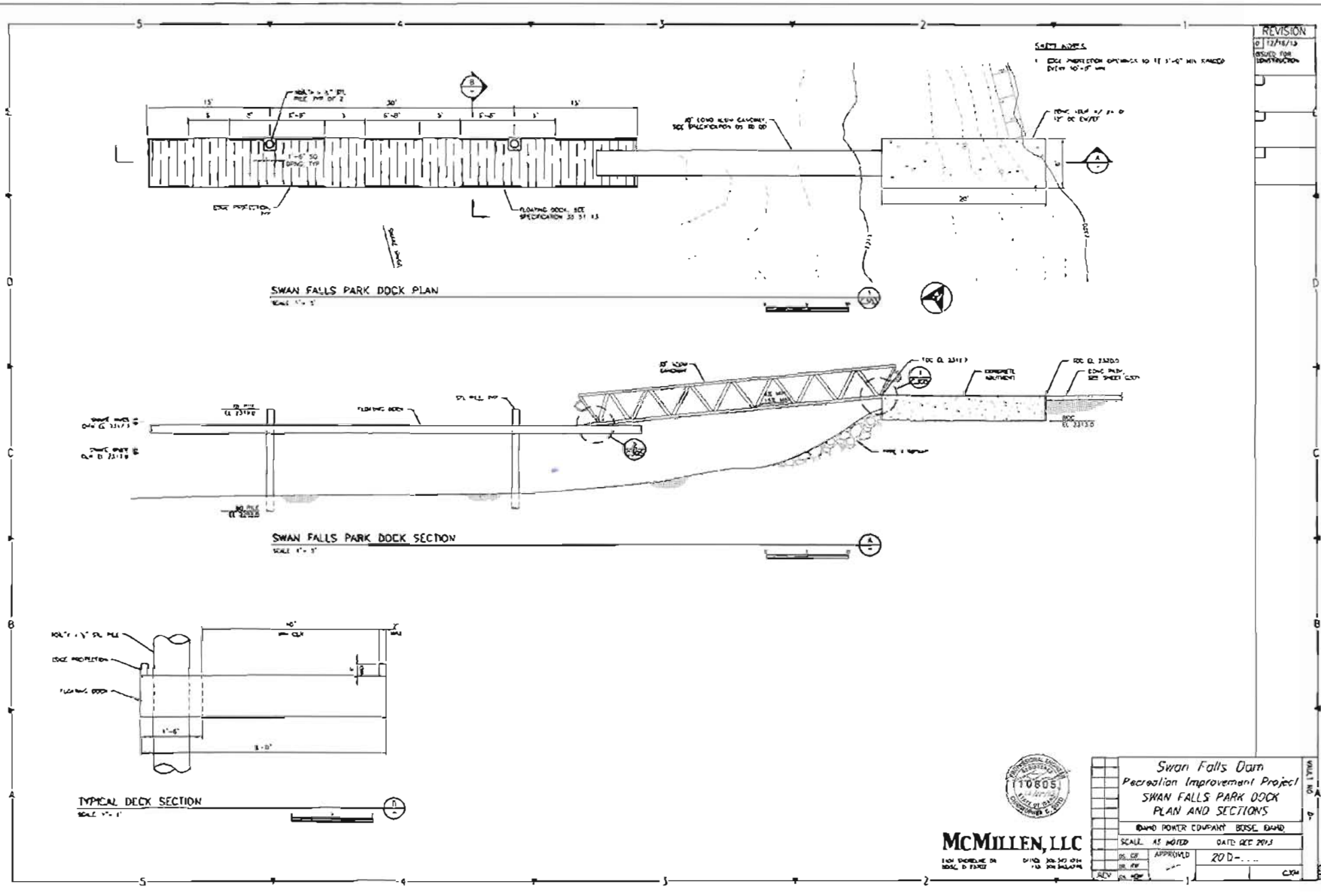
Swan Falls Dam
Recreation Improvement Project
SWAN FALLS PARK RETAINING WALL PLAN AND PROFILE

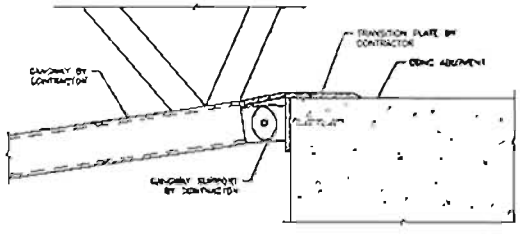
IDAHO POWER COMPANY BOISE, IDAHO

SCALE AS NOTED | DATE DEC 2013

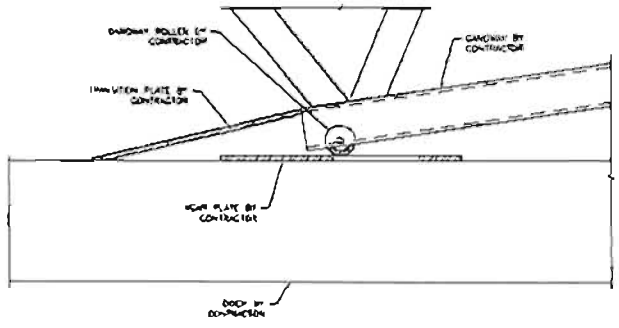
APPROVED | 20D-.....

C101

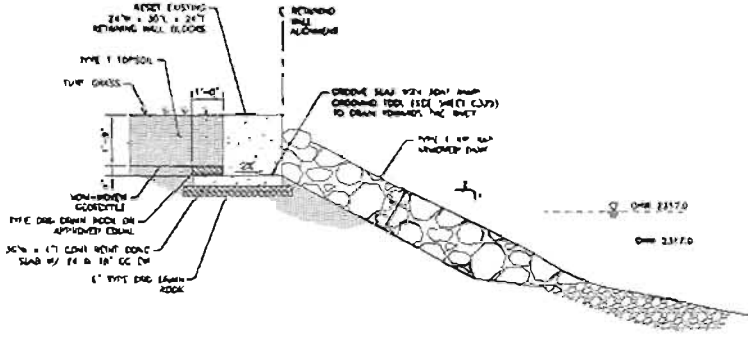

REVISION
SWAN FALLS PARK DOCK PLAN
SWAN FALLS PARK DOCK SECTION
TYPICAL DECK SECTION
McMILLEN, LLC
Swan Falls Dam
Recreation Improvement Project
SWAN FALLS PARK DOCK
PLAN AND SECTIONS
DAMO POWER COMPANY BOISE, DAMO
SCALE AS NOTED
DATE DEC 2013
APPROVED
20D-...
VALUE NO. D-



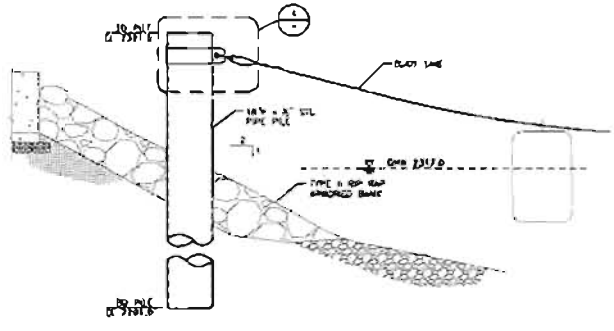
DETAIL



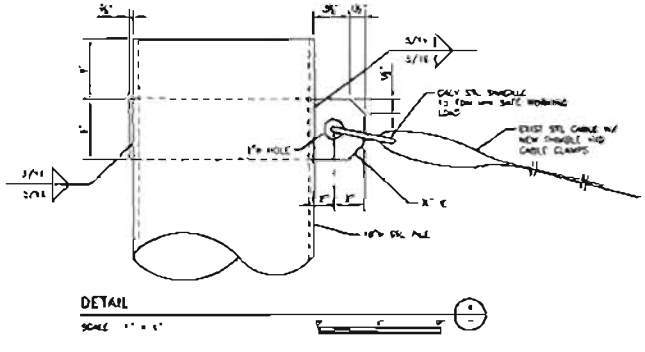
DETAIL



RETAINING WALL TYPICAL SECTION



BUOY LINE ANCHOR



DETAIL

REVISION

0 12/18/13 ISSUED FOR CONSTRUCTION

10805 REGISTERED PROFESSIONAL ENGINEER STATE OF IDAHO

McMILLEN, LLC

Swan Falls Dam
Recreation Improvement Project
SWAN FALLS PARK DOCK AND RETAINING WALL SECTIONS AND DETAILS

IDAHO POWER COMPANY BOISE, IDAHO

SCALE: AS NOTED DATE: DEC 2013

APPROVED

200-..

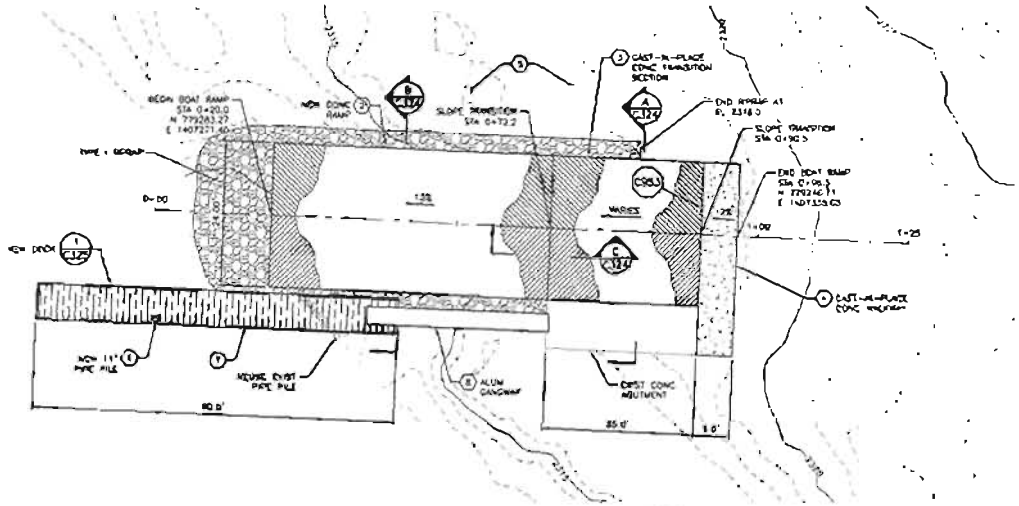
C105

SHEET NOTES:

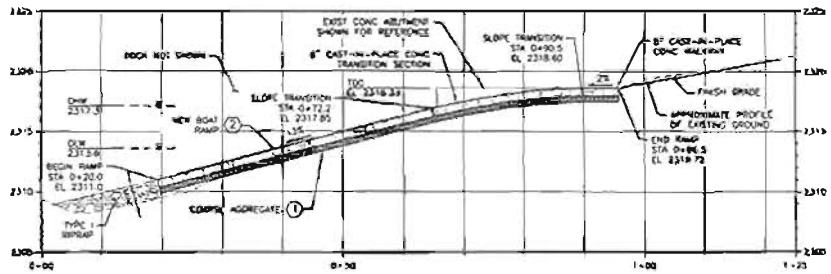
1. DEVICE SHALL PROVIDE A TOOL FOR GRINDING AND FINISHING RAMP SURFACE.

SHEET KEY NOTES:

1. PROVIDE A MINIMUM OF 6" OF TYPE I RIP RAP ROCK
2. CONSTRUCT NEW 24'-0" REINFORCED CONCRETE BOAT RAMP (SEE SHEET C-125) ABOVE WHERE FINE PARTS HAVE BEEN PLACED
3. CONSTRUCT NEW 24" WIDE CAST-IN-PLACE CONCRETE TRANSITION SECTION, SET SHEET C-124.
4. CONSTRUCT NEW 6" HIGH CAST-IN-PLACE CONCRETE ABUTMENT WALKWAY
5. DEMOLISH AND REMOVE EXIST. 4' GRANITE MASONRY TO BOAT RAMP
6. INSTALL NEW 11" PIPE PILE MATCH THE EXISTING PIPE PILE. LOCATE 10' FROM DOCK END.
7. INSTALL NEW 80' LONG DOCK, SEE SHEET C-125
8. INSTALL NEW 20' IRONC ALUM GANGWAY WITH 24" MIN WIDTH (SEE SHEET C-125)



BOAT RAMP PLAN

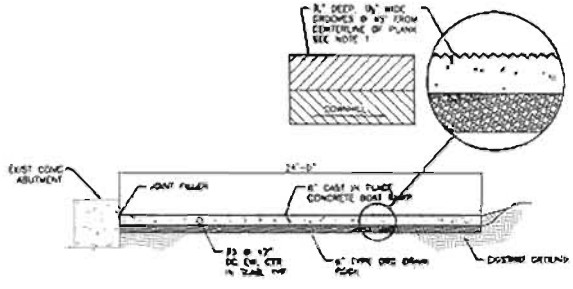


BOAT RAMP PROFILE

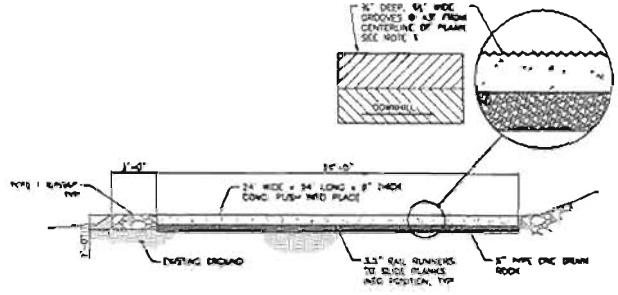
REVISION	
4	12/18/13
ISSUED FOR CONSTRUCTION	

McMILLEN, LLC

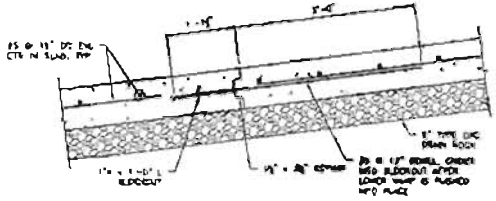
Swan Falls Dam	
Recreation Improvement Project	
SWAN FALLS RESERVOIR BOAT RAMP PLAN AND PROFILE	
IDAHO POWER COMPANY BOISE, IDAHO	
SCALE: AS NOTED	DATE: DEC 2013
APPROVED	20D-
KEY	C-123



SECTION A



SECTION B



SECTION C

SHEET NOTES

1. OWNER WILL PROVIDE A TOOL FOR GROOVING AND FINISHING RAMP SURFACE

REVISION

0 12/18/13 ISSUED FOR CONSTRUCTION

McMILLEN, LLC

Swan Falls Dam
Recreation Improvement Project
SWAN FALLS RESERVOIR BOAT RAMP SECTIONS AND DETAILS

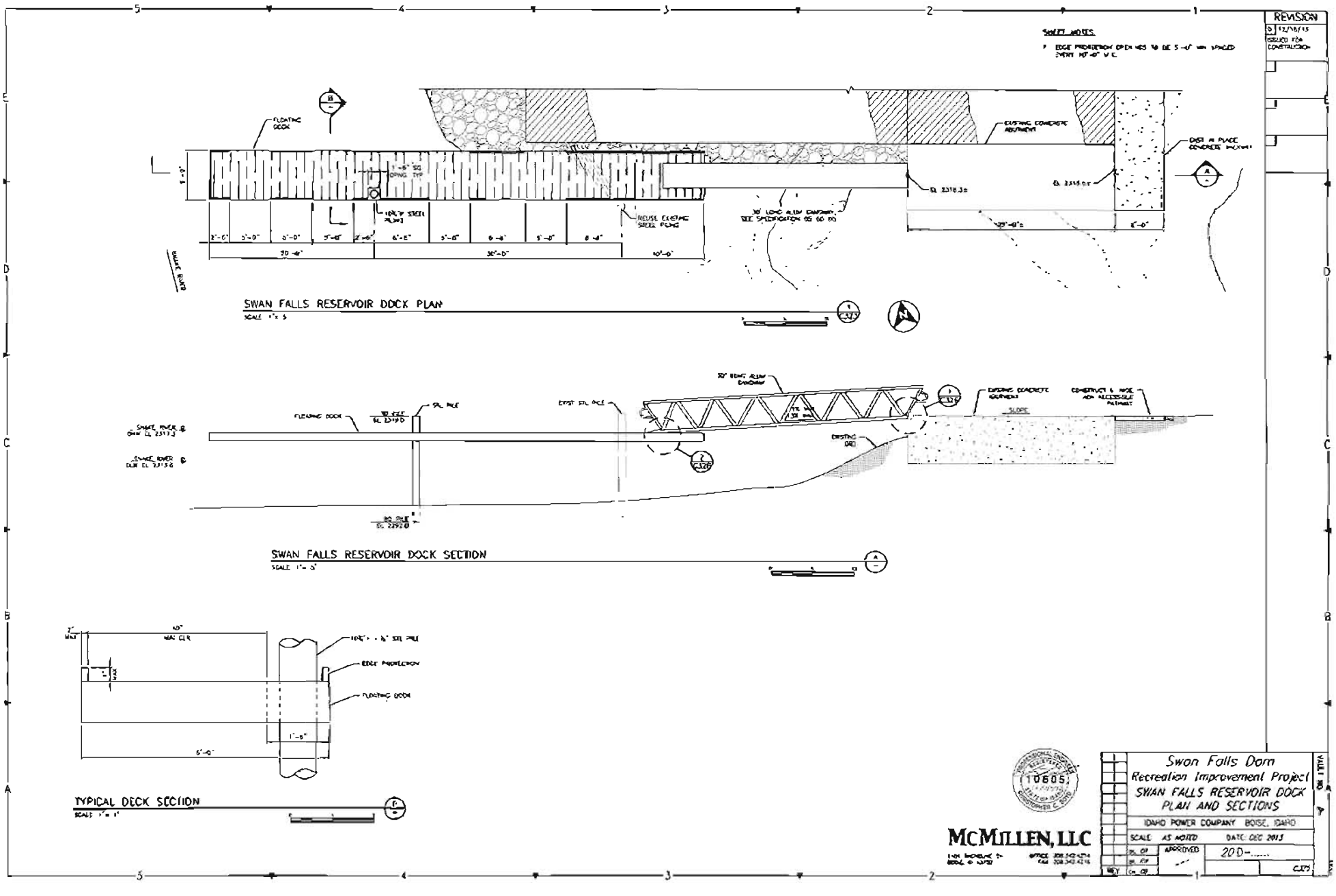
IDAHO POWER COMPANY BOISE, IDAHO

SCALE AS NOTED DATE DEC 2013

APPROVED 200-

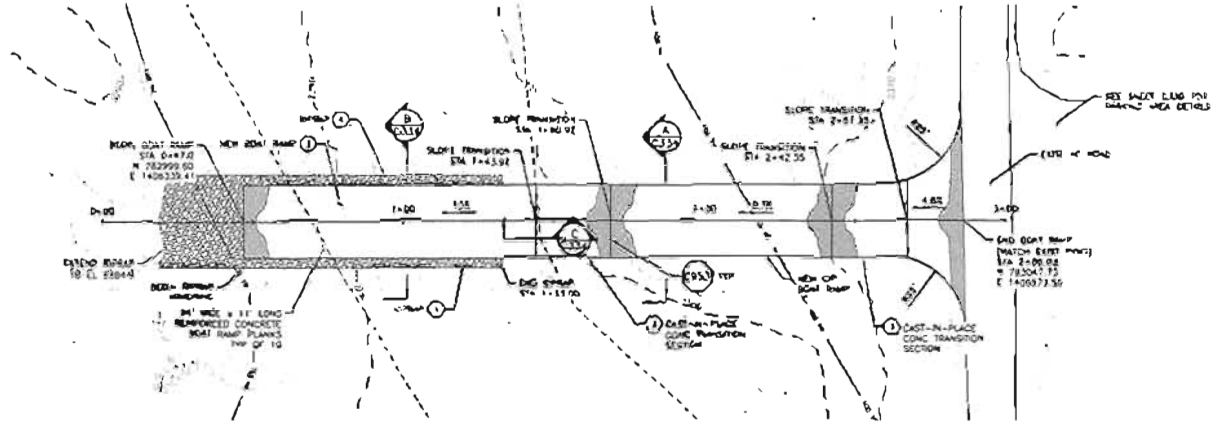
REV

VAULT NO. 4


REVISION
SHEET NOTES
FLOATING DOCK
EXISTING CONCRETE ABUTMENT
REUSE EXISTING STEEL PILING
SWAN FALLS RESERVOIR DOCK PLAN
FLOATING DOCK
EXIST STL PILE
EXISTING CONCRETE ABUTMENT
SLOPE
EXISTING GRD
SWAN FALLS RESERVOIR DOCK SECTION
EDGE PROTECTION
FLOATING DOCK
TYPICAL DECK SECTION
McMILLEN, LLC
Swan Falls Dam
Recreation Improvement Project
SWAN FALLS RESERVOIR DOCK
PLAN AND SECTIONS
IDAHO POWER COMPANY BOISE, IDAHO
SCALE AS NOTED
DATE: DEC 2013
APPROVED
20D-.....

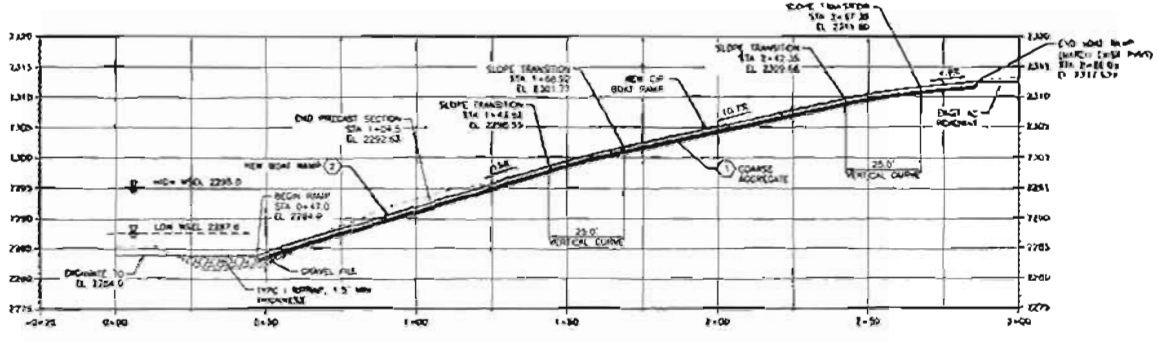
SHEET KEY NOTES

1. PROVIDE A MINIMUM OF 6" OF COARSE AGGREGATE FILL.
2. CONSTRUCT NEW 24-HR. REINFORCED CONCRETE BOAT RAMP ABOVE WATER LINE WITH PUSH INTO PLACE.
3. CONSTRUCT NEW 24" WIDE CAST-IN-PLACE CONCRETE TRANSITION SECTION.
4. REGRADE AND PLACE TYPE I RIPRAP ADJACENT TO BOAT RAMP.



PLAN

SCALE 1" = 20'



PROFILE

SCALE 1" = 20' H
1" = 5' V

REVISION

0 | 12/18/13 | ISSUED FOR CONSTRUCTION

MCMILLEN, LLC

Swan Falls Dam
Recreation Improvement Project
DOWNSTREAM BOAT RAMP
PLAN AND PROFILE

IDAHO POWER COMPANY BOISE, IDAHO

SCALE AS NOTED | DATE DEC 2013

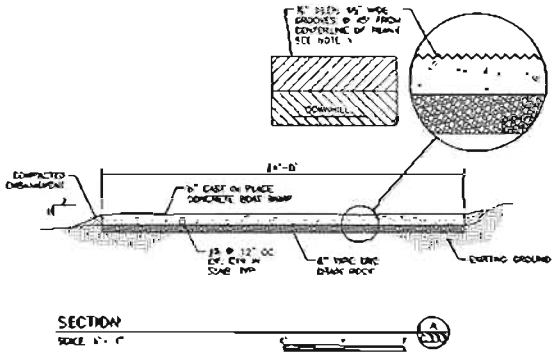
DS CP | APPROVED | 20D-.....

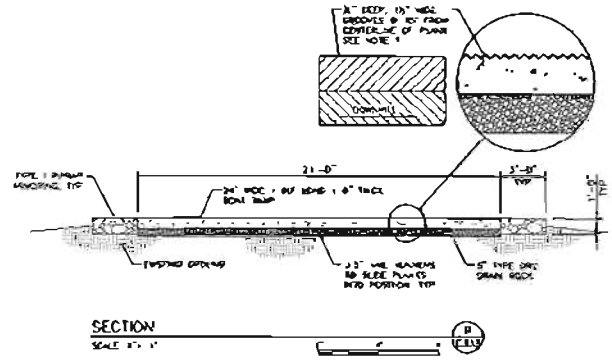
DR FW

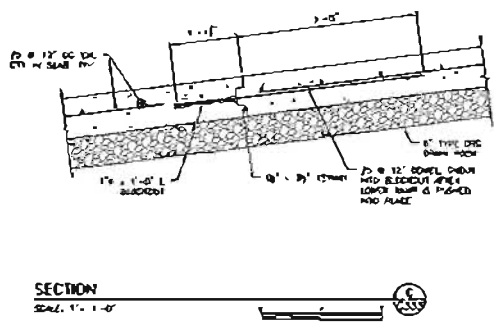
SEV | CH CB

C.1.1

D-0 ON 1 VITA







SHEET NOTES:

1. OWNER WILL PROVIDE A TOOL FOR GROOVING AND FINISHING RAMP SURFACE

REVISION

D	12/19/13
	ISSUED FOR CONSTRUCTION

McMILLEN, LLC

Swan Falls Dam
Recreation Improvement Project
DOWNSTREAM BOAT RAMP
SECTIONS AND DETAILS

IDAHO POWER COMPANY BOISE, IDAHO

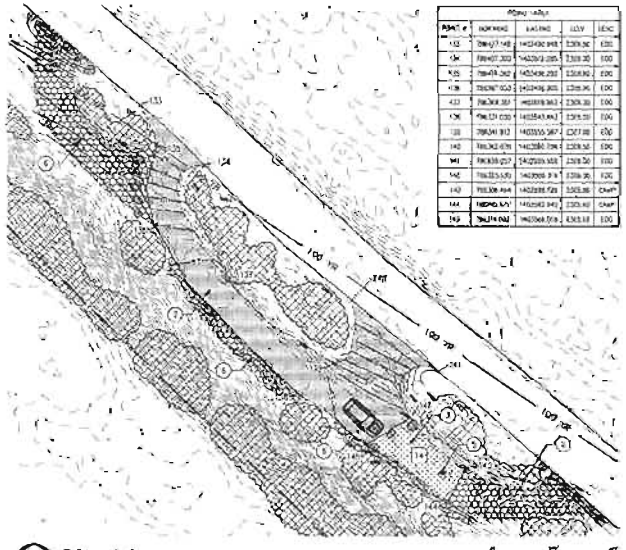
SCALE: AS NOTED DATE: DEC 2013

APPROVED

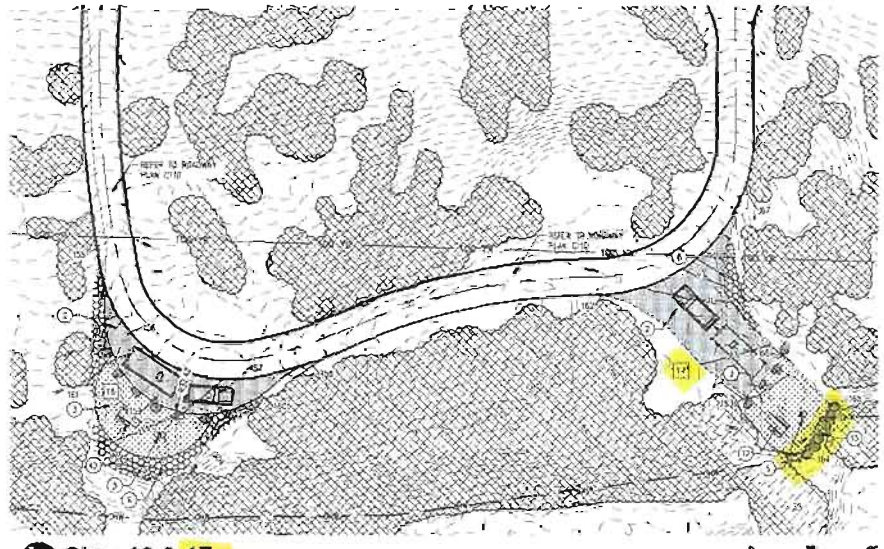
20D-.....

REV

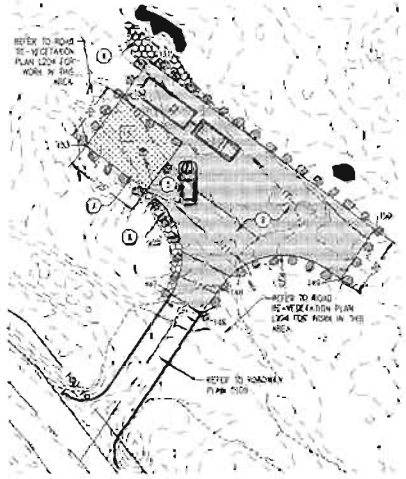
VALT NO. -D-



Site 14 (STEP 2)



Sites 16 & 17 (BLDR 263)



Site 15 (STEP 3)

GENERAL NOTES

SHEET KEYNOTES

POINT TABLE ABBREVIATIONS

LEGEND

REVISION		
A	12/18/13	ISSUED FOR CONSTRUCTION
B		

Swan Falls Dam
Recreation Improvement Project
DISPERSED RECREATION
SITE PLAN 4

IDAHO POWER COMPANY BOISE, IDAHO

SCALE: AS NOTED DATE: DEC 2013

APPROVED

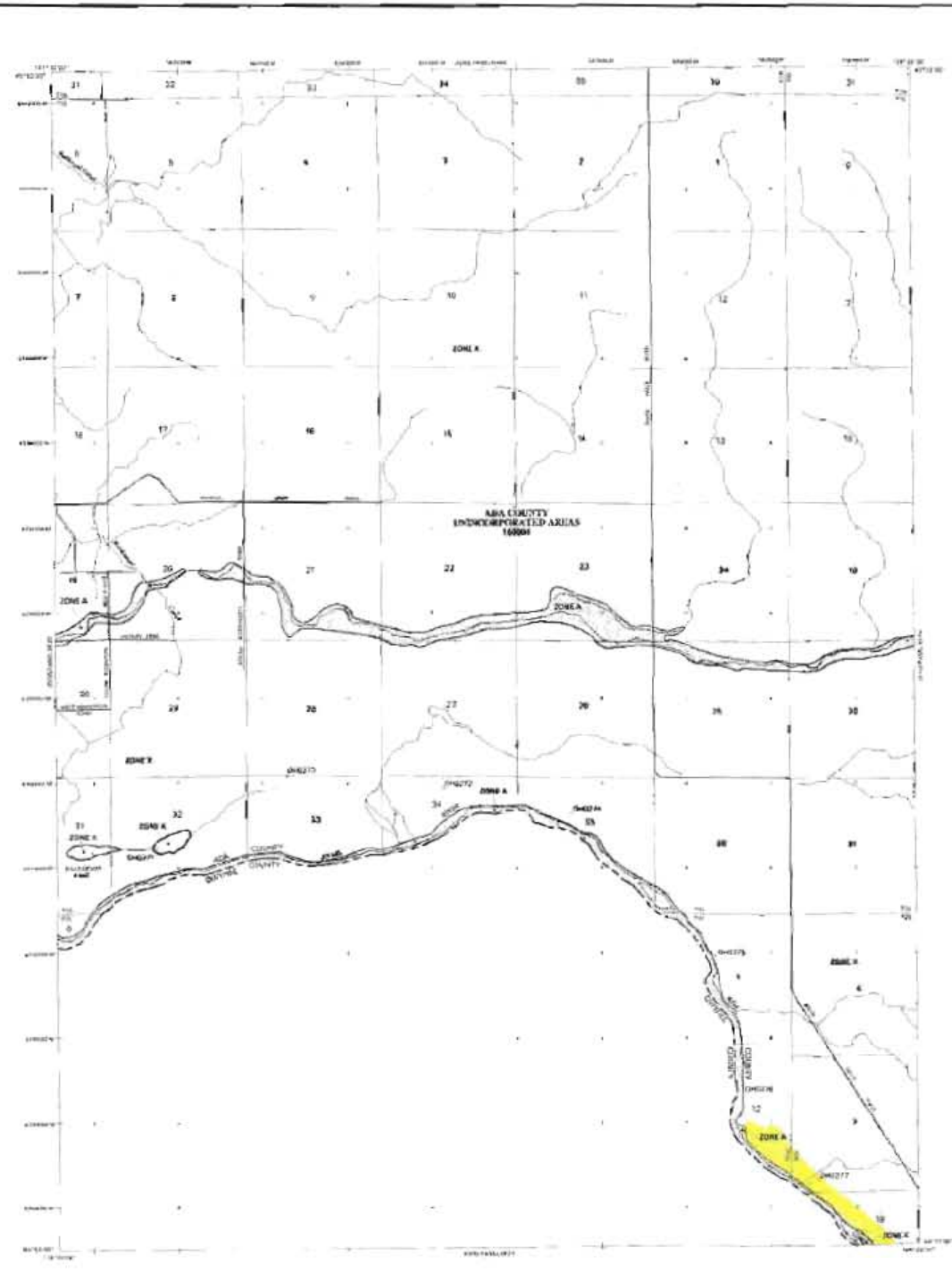
700-

L103

THE LAND GROUP

McMILLEN, LLC

NOTES TO USERS



LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD EVENT

OTHER FLOOD AREAS

OTHER AREAS

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAS)

MAP SCALE 1" = 2000'

PANEL 0250 H

FIRM

FLOOD INSURANCE RATE MAP

ADA COUNTY,
IDAHO AND
INCORPORATED AREAS

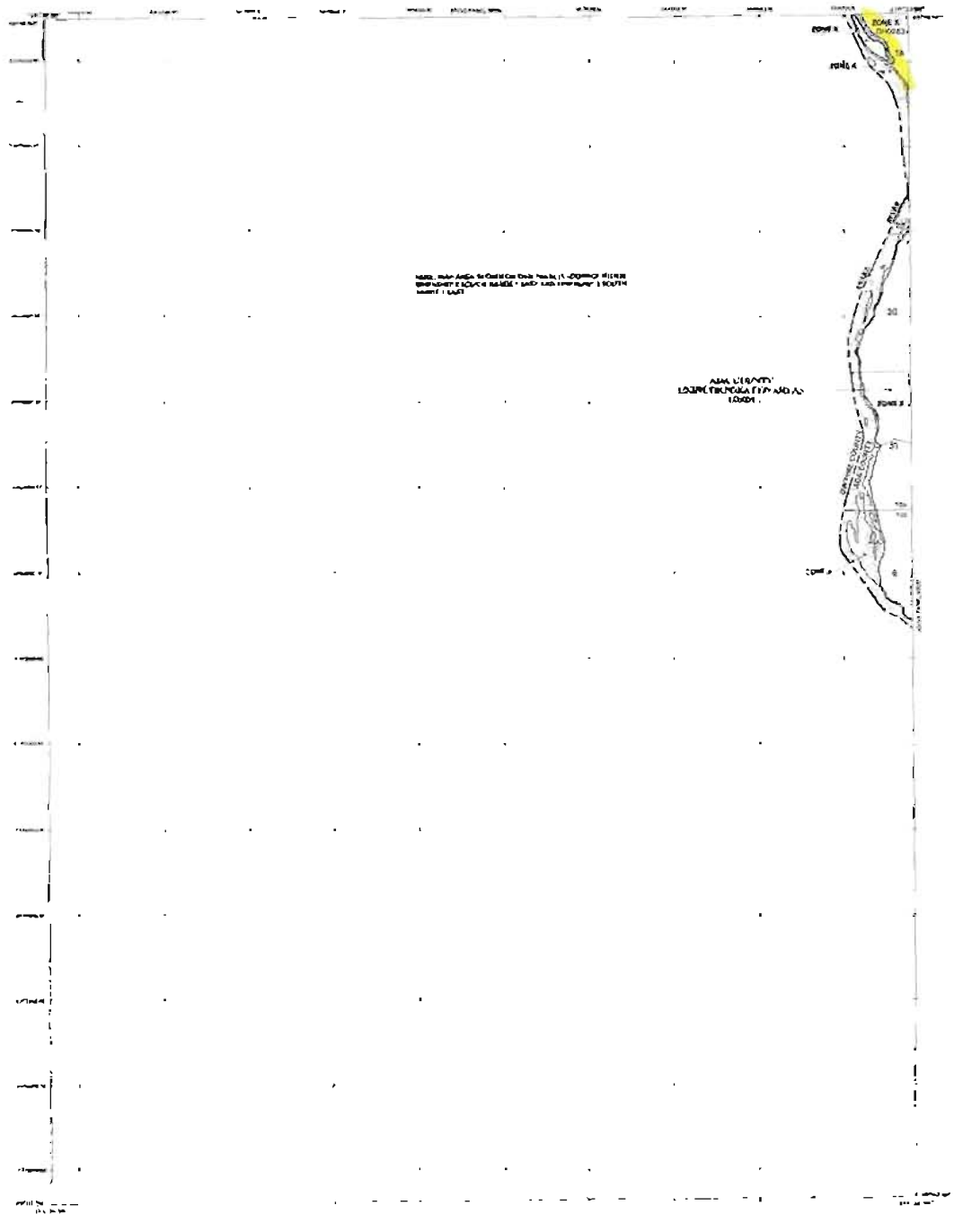
PANEL 250 OF 875

MAP NUMBER
16001C0250 H

MAP REVISED:
FEBRUARY 19, 2003

Federal Emergency Management Agency

NOTES TO USERS



LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD EVENT

FLOODWAY AREAS IN ZONE AE

OTHER FLOOD AREAS

OTHER AREAS

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

MAP SCALE 1" = 2000'

PANEL 0675 H

FIRM

FLOOD INSURANCE RATE MAP

ADA COUNTY,
IDAHO AND
INCORPORATED AREAS

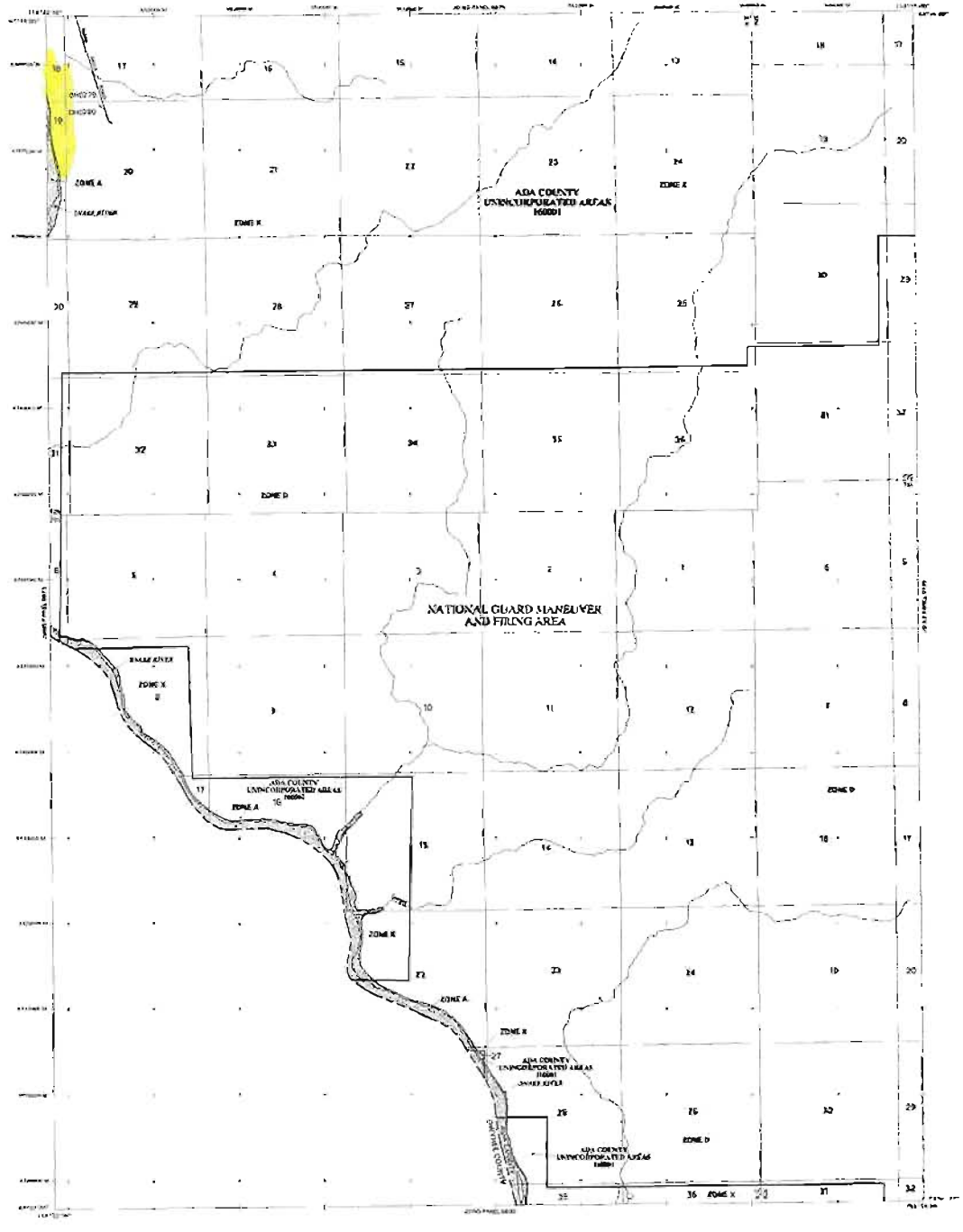
PANEL 675 OF 875

MAP NUMBER
16001C0675 H

MAP REVISED
FEBRUARY 19, 2003

Federal Emergency Management Agency

NOTES TO USERS



LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD EVENT

FLOODWAY AREAS IN ZONE AE

OTHER FLOOD AREAS

OTHER AREAS

ZONE A

ZONE D

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

MAP SCALE 1" = 2000'

PANEL 0700 H

FIRM

FLOOD INSURANCE RATE MAP

ADA COUNTY,
IDAHO AND
INCORPORATED AREAS

PANEL 700 OF 875

MAP NUMBER
16001C0700 H

MAP REVISED:
FEBRUARY 19, 2003

Federal Emergency Management Agency

IDAHO POWER®
An IDACORP Company

LEGAL DESCRIPTION

SWAN FALLS HYDROELECTRIC PROJET WITHDRAWAL FROM RECREATION WILDLAND URBAN FIRE INTERFACE

Parcels of Idaho Power Co. land lying East of the Right Bank of the Snake River, being a portion of Section 12, Township 2 South, Range 1 West, and portions of Section 7, 18 and 19 of Township 2 South, Range 1 East, Boise Meridian, Ada County, Idaho, being more particularly described as follows:

BEGINNING at the SE Corner of Govt. Lot 8 (being the E 1/4 Corner) of Section 19, T.2S., R.1E.;

Thence along the South line of Govt. Lot 8, South 89°32' West, a distance of 329 feet to the Shoreline on the Right Bank of the Snake River;

Thence along said Shoreline, Northwesterly through Section 19 and a portion of Section 18, a distance of 4488 feet to the Mean High Water Line in Section 18 as shown on Record of Survey No. 8930 (ROS 8930), Records of Ada County;

Thence along said Mean High Water Line, Northwesterly through Sections 18, 7 and through a portion of Section 12, T.2S., R.1W., a distance of 7611 feet to HW 25 as shown on ROS 8930 and the intersection of the 2285 foot (NAVD 88) Contour line;

Thence along said Contour line, Northwesterly through Section 12, a distance of 4,164 feet to the North line of Govt. Lot 5 of Section 12;

Thence along said North line, South 89°21' East, a distance of 194 feet to the intersection of the 2335 foot (NAVD 88) Contour line;

Thence along said Contour line, Southeasterly, a distance of 1335 feet to the intersection of East line of Govt. Lot 5;

Thence along the East line of Govt. 5 and Govt. Lot 8, South 0°09' West, a distance of 448 feet to the SE Corner of that certain parcel lying within Lot 8 as shown on ROS 8930, and as described in Instrument No. 9385830, Records of Ada County;

Thence along the South line of said parcel, North 89°22' West, a distance of 27 feet to the intersection of the 2325 foot (NAVD 88) Contour line;

Thence along said Contour line, Southeasterly through Section 12, T.2S., R.1W., and a portion of Section 7, T.2S., R.1E., a distance of 5102 feet to the East line of Govt. Lot 4 of Section 7;

Thence along said East line, South 0°04' West, a distance of 46 feet to the intersection of the 2325 foot (NAVD 88) Contour line;

Thence along said Contour line, Southeasterly through Section 7 and a portion of Section 18, a distance of 2400 feet to the Northeasterly edge of the borrow pit of an existing road in Govt. Lot 5, of Section 18;

Thence along said edge, South 51°12' East, a distance of 530 feet;

Thence continuing along said edge, South 37°59' East, a distance of 783 feet;

Thence leaving said edge, South 30°04' East, a distance of 624 feet;

Thence South 31°54' East, a distance of 984 feet to the intersection of the center line of Swan Falls Dam Road in Govt. Lot 6 of Section 18;

Thence South 27°21' East, a distance of 2007 feet to the Easterly line of Govt. Lot 1 of Section 19;

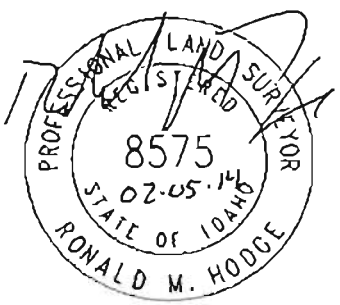
Thence along said line, South 0°26" West, a distance of 987 feet to the NE Corner of Govt. Lot 8 of Section 19;

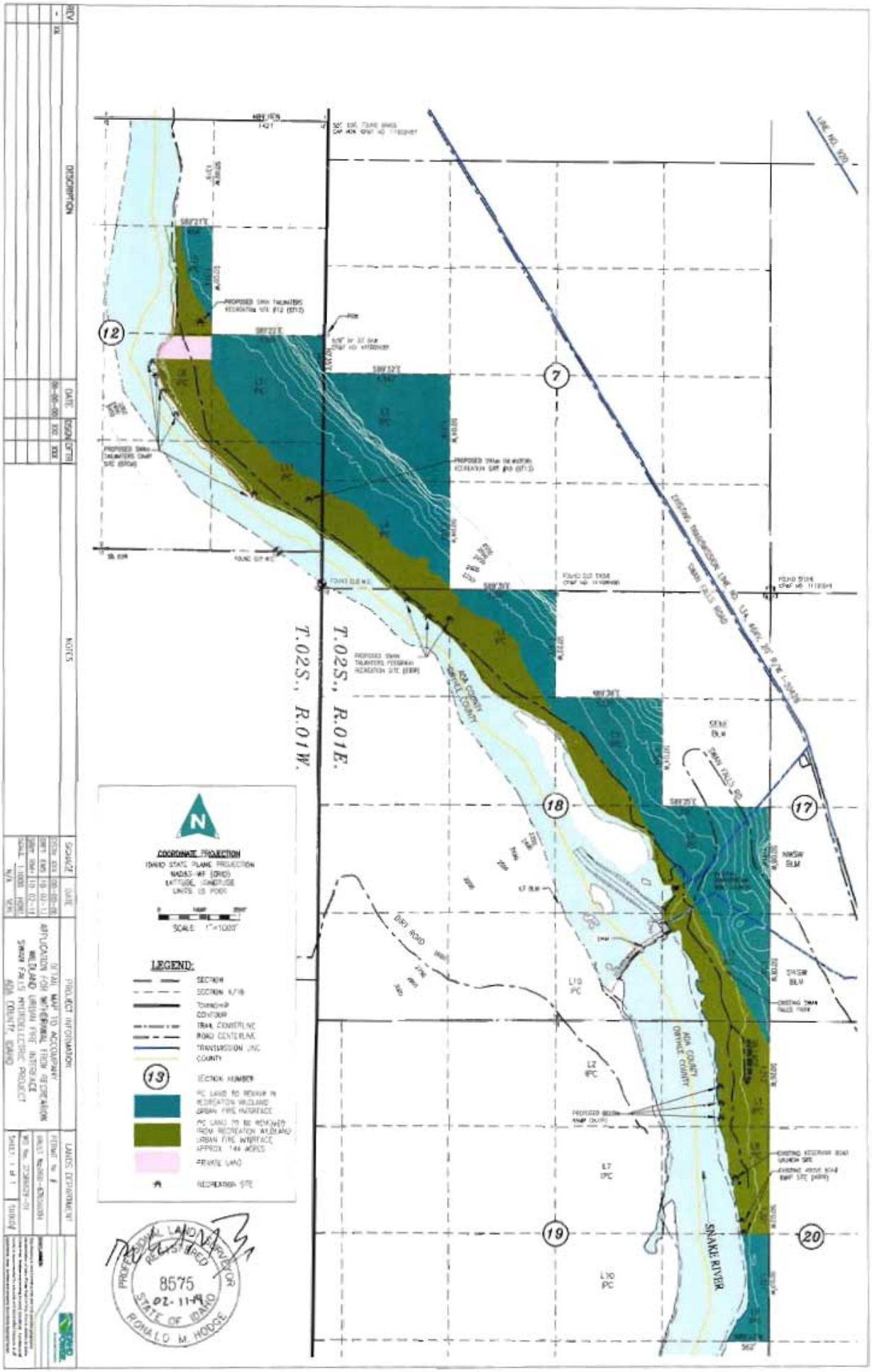
Thence South 0°03' West, a distance of 1321 feet to POINT OF BEGINNING.

EXCEPTING THEREFROM:
All of that certain parcel lying within Govt. Lot 8, Section 12, Township 02 South, Range 01 West, Boise Meridian, as described in Instrument No. 9385830, Records of Ada County, Idaho.

The above description contains 144 Acres, more or less.

Prepared by:
Ronald M. Hodge, P.L.S.
Idaho Power Co.
Survey Coordination Leader





T.02S., R.01W.
T.02S., R.01E.
SNAKE RIVER
ADA COUNTY
OWYHEE COUNTY
SWAN FALLS ROAD
DIRT ROAD
COORDINATE PROJECTION
IDAHO STATE PLANE PROJECTION
NAD83-WF (GRID)
LATITUDE, LONGITUDE
LINES, US FOOT
SCALE: 1"=1000'
LEGEND:
SECTION
SECTION 4/16
TOWNSHIP
CONTOUR
TRAIL CENTERLINE
ROAD CENTERLINE
TRANSMISSION LINE
COUNTY
SECTION NUMBER
PC LAND TO REMAIN IN RECREATION WILDLAND URBAN FIRE INTERFACE
PC LAND TO BE REMOVED FROM RECREATION WILDLAND URBAN FIRE INTERFACE APPROX. 144 ACRES
PRIVATE LAND
RECREATION SITE
PROFESSIONAL LAND SURVEYOR
REGISTERED
8575
02-11-19
STATE OF IDAHO
RONALD M. HODGE
REV
DESCRIPTION
DATE
DSGN
DFTR
NOTES
SIGNATURE
DATE
PROJECT INFORMATION
OFFICIAL MAP TO ACCOMPANY
APPLICATION FOR WITHDRAWAL FROM RECREATION
WILDLAND URBAN FIRE INTERFACE
SWAN FALLS HYDROELECTRIC PROJECT
ADA COUNTY, IDAHO
LANDS DEPARTMENT

DEVELOPMENT AGREEMENT GOVENING DEVELOPMENT OF THE PROPERTY KNOWN AS (LIST NAME)

THIS DEVELOPMENT AGREEMENT (hereinafter "Agreement") is entered into approving the rezone for the Parcel, by and between the COUNTY OF ADA, a duly formed and existing county pursuant to the laws and Constitution of the State of Idaho, party of the first part, (hereinafter "County"), and (LIST ALL OWNERS OF RECORD), party of the second part, (hereinafter "Owner(s)"), pursuant to the authority of Idaho Code § 67-6511A.

RECITALS

WHEREAS, the Owner(s) is the sole owner, in law and/or equity, of a certain tract of land in the County of Ada, State of Idaho, which property (hereinafter "Parcel") is more particularly described in Exhibit A attached hereto; and,

WHEREAS, the County has authority to rezone a Parcel pursuant to Title 8 of the Ada County Code and § 67-6511 of the Idaho Code; and,

WHEREAS, the County has authority to enter into development agreements to condition the rezone of a Parcel pursuant to Idaho Code § 67-6511A; and,

WHEREAS, the Owner's(s) plans, promises made during presentations, as well as the materials contained in the application, all as appear more fully in Project No. _____ in the Ada County Office of Development Services (the "Application), are an essential inducement to the Board to approve the rezone, provided however, that all of the Developer's specific obligations are set forth elsewhere in this Agreement and in the County's written decision and corresponding conditions of approval, attached hereto as Exhibit "B"; and

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EXHIBIT 14
Page 1 of 13
20140202 CU-MSP-ZC-DA-HD-F

WHEREAS, the Owner(s) desires to be assured that it may proceed with development of the Parcel in accordance with this Agreement. In order to obtain this benefit, the Owner(s) has determined that it is advantageous to Owner(s) to enter into the Agreement.

NOW, THEREFORE, in consideration of the promises, covenants, and provisions set forth herein, the County and the Owner(s) agree as follows:

Section 1. Development of the Project

1.1 Effective Date. In accordance with Idaho Code, § 67-6511A, this Agreement will be effective upon the publication of Ordinance # _____, approving the rezone of the Parcel.

1.2 Permitted Use, Density, and Intensity of Use. This Agreement shall vest the right to develop the Parcel as described and restricted in the approved application(s) File Number_____, and as further described and restricted by Exhibits A through C that are attached to this Agreement.

1.3 Schedule: The schedule for development of the Parcel is as contained in the Conditions of Approval attached hereto as Exhibit B. In the event the Owner(s) fails to commence or complete the development of the Parcel within the time periods herein stated, the Owner(s) shall be in default of this Agreement.

1.4 Changes in State and Federal Law. This Agreement shall not preclude the application of any law, that is specifically mandated and required by changes in state or federal laws or regulations, to the Parcel. In the event such law prevents or precludes compliance with one or more provisions of this Agreement, the County and the Owner(s) shall meet and confer to determine how provisions of this Agreement would need to be modified or suspended in order to comply with the law and shall prepare and process the necessary amendment(s) to this Agreement, or the Board of Ada County Commissioners may elect to terminate this Agreement pursuant to Section 3.5.

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1.5 Police Power. Nothing in this Agreement shall be construed to be in derogation of the County's police power to protect the health, safety, and general welfare of the public.

1.6 Compliance with Conditions. Failure to comply with the terms of this Agreement, complete the Project, or bond for the completion of the Project shall result in a default of this Agreement by the Owners.

Section 2. Cooperation In The Event of Legal Action

In the event of any legal or equitable action or other proceeding instituted by any third party (including a governmental entity or official) challenging the validity provision of this Agreement, the County and the Owner(s) agree to cooperate in defending such action or proceeding. The County and the Owner(s) may agree to select mutually agreeable legal counsel to defend such action or proceeding, or the County and the Owner(s) may each select its own legal counsel at its own expense. In no event shall the County be required to bear the cost of such defense(s) (except for the cost of the County's own attorneys), and Owner(s) shall save and hold the County harmless from claims or awards for third party attorneys' fees and costs.

Section 3. Violation; Annual Review; Remedies; Termination

3.1 General Provisions. Failure or unreasonable delay by the Owner(s) to perform any term or provision of this Agreement shall constitute a violation under this Agreement and may result in termination of this Agreement. Prior to termination, as set forth in Section 3.5 below, the County shall provide written notice of such violation. Said notice shall specify the nature of the alleged violation and the manner in which said violation may be satisfactorily cured. If the nature of the alleged violation is such that it cannot reasonably be cured within 90 days after written notice, the commencement of the cure within such time period and the diligent prosecution to completion of the cure shall be deemed a cure within such period.

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Subject to the foregoing, after notice and expiration of the 90-day period without cure, the violation will be deemed a default under this Agreement and the County, solely at its option, may institute legal proceedings pursuant to this Agreement and/or give notice of intent to terminate the Agreement, and, in either event, the Owner shall not be entitled to any additional time to cure such violation.

3.2 Periodic Review. Each year during the term of this Agreement, the Owner(s) shall submit a status report detailing the status of each condition of approval to the Director of Development Services. The Director shall review the annual status reports periodically and the reasonable costs incurred by the County in connection with the periodic review process shall be borne by the Owner(s). If the Director finds and determines that Owner(s) has not complied with such terms and conditions, the Director shall schedule this Agreement for hearing in front of the Board of Ada County Commissioners, following the notice and hearing procedures as outlined in Idaho Code § 67-6511A. Such violation shall be subject to the provisions of Section 3.1.

3.3 Violations by County. In the event the County violates the terms of this Agreement, Owner(s) shall have all rights and remedies provided herein or under applicable law, including without limitation the right to seek specific performance by the County. But in no event shall Owner(s) have any right to monetary damages.

3.4 Excused Delay; Extension of Time of Performance.

a) In addition to specific provisions of this Agreement, performance by either the County or the Owner(s) shall not be deemed to be in default where delays or defaults are due to war, insurrection, strike, walk-out, riot, flood, earthquake, fire, casualty, or act of God.

b) As long as Owner(s) have provided governmental agencies all necessary information in a timely manner, performance hereunder shall not be deemed in default where delays

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or defaults are due to governmental agencies. An extension of time necessary to gain approval of another independent governmental agency as required in the conditions of approval may be granted upon written request. The grant of a time extension shall be in writing and shall specify the period of excused delay.

3.5 Termination.

a) This Agreement may be terminated, and the zoning designation upon which the use is based reverted to the previously designated District or if the previously designated District no longer exists, its closest equivalent, upon the failure by the Owner(s) to comply with the terms and conditions contained in this Agreement, after notice by the County to the Owner(s) pursuant to Section 3.1 above.

b) This agreement terminates upon completion of conditions.

3.6 Expiration of Time. In the event the Owner fails to comply with any time limits for completing the obligations required herein, this Agreement shall be terminated and the zoning designation upon which the use is based shall be reverted to the previously designated District or if the previously designated District no longer exists, its closest equivalent, after the Board has complied with the notice and hearing provisions of Idaho Code, § 67-6511A.

Section 4. Indemnification; Compliance with Law

4.1 Owner Indemnification. The Owner(s) shall defend, indemnify, and hold the County, its officers, agents, employees, contractors and subcontractors harmless for injuries to persons or property resulting from the negligence or willful conduct of the Owner(s), its officers, agents, employees, contractors and subcontractors in performing the duties described in this Agreement.

In the event the County is alleged to be liable in any manner, as a result of acts, omissions, willful conduct and/or negligence of the Owner(s), the Owner(s) shall indemnify and hold the

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County, its officers, agents, employees, contractors and subcontractors harmless from and against all liability, claims, loss, costs, and expenses arising out of, or resulting from, the services of the Owner(s). The Owner(s) shall defend against such allegations through counsel chosen by the County and the Owner(s) shall bear all costs, fees, and expenses of such defense, including, but not limited to, all attorney fees and expenses, court costs, and expert witness fees and expenses.

4.2 County Indemnification. The County shall defend, indemnify, and hold the Owner(s), its officers, agents, employees, contractors and subcontractors harmless for injuries to persons or property resulting from the negligence or willful conduct of the County, its officers, agents, employees, contractors and subcontractors in performing the duties described in this Agreement.

4.3 Compliance with Law; Indemnification. The Owner(s) guarantees to the County that all services, programs, or activities provided by the Owner(s), its officers, agents, employees, contractors and subcontractors under this Agreement will be in accordance with all applicable federal, state, and local statutes, regulations, and requirements, including, but not limited to, the Americans with Disabilities Act (ADA). Further, the Owner(s) agrees to indemnify, defend, and hold harmless the County for any loss, expense, or damage of any type experienced by the County as a result of Owner(s)'s violation of the guarantee requirements of this paragraph.

Section 5. Notices

5.1 Any notice, demand, or other communication (hereinafter "Notice") given under this Agreement shall be in writing and given personally or by registered or certified mail (return receipt requested). If given by registered or certified mail, a notice shall be deemed to have been given and received on actual receipt by the addressee. If personally delivered, a notice shall be deemed to have been given when delivered to the Party to whom it is addressed. A courtesy copy of the notice

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may be sent by facsimile transmission. Any party may designate any other address in substitution of the address contained herein by like written notice.

5.2 Notices shall be given to the parties at their addresses set forth below:

If to County, to:

Ada County Development Services Dept.
200 West Front Street, Room 2125
Boise, Idaho 83702
Attention: Director
Telephone: 208-287-7900
Facsimile: 208-287-7909

With copy to:

Ada County
Attn: Chief Civil Deputy Prosecuting Attorney
200 West Front Street, Room 3191
Boise, Idaho 83702
Telephone: 208-287-7700
Facsimile: 208-287-7719

If to Owner(s), to:

(LIST ALL OWNERS OF RECORD, THEIR ADDRESSES, TELEPHONE NUMBERS AND FAX NUMBERS)

Section 6. Assignment

6.1 If all or any portion of the Parcel is transferred by the Owner(s) to any person or entity (hereinafter "Transferee"), the Owner(s) may assign or transfer to Transferee all or any portion of its interests, rights, or obligations under this Agreement with respect to the transferred Parcel. No fewer than thirty (30) days prior to entering into an Assignment for all or any portion of the Parcel, the Owner(s) shall submit to the Director of Development Services a draft of the Assignment, Conditions of Approval(s) and any other obligations detailing the obligations to be assumed by Transferee pursuant to the Assignment.

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6.2 Review. Prior to accepting an assignment, the County shall determine whether the Transferee has the financial capacity to perform the obligations of the Owner(s) as contained in this Agreement. The Owner(s) and Transferee shall cooperate with the County by providing the documents and information the County may deem necessary to review the financial capacity of the Transferee.

6.3 The Owner(s) shall continue to be responsible for performing the obligations under this Agreement as to the transferred Parcel until such time as there is delivered to the County a legally binding instrument, in a form approved by the County, whereby Transferee agrees to perform all Conditions of Approval(s), and/or other obligations of this Agreement applicable to the transferred Parcel as set forth in Idaho Code § 67-6511A.

Section 7. Entire Agreement, Counterparts, Exhibits, Recording

7.1 Merger And Integration. This writing embodies the whole Agreement. There are no promises, terms, conditions, or obligations other than those contained in this Agreement. All previous and contemporaneous communications, representations, or agreements, either verbal or written, between the County and the Owner(s) are superseded by this Agreement.

7.2 Exhibits. The following exhibits are attached to this Agreement and incorporated herein by this reference:

Exhibit A – Legal Description entitled "_____" bearing the signature of _____ and dated _____ (___ page(s))

Exhibit B – Conditions of Approval (_____ page(s))

Exhibit C – Preliminary Plat, entitled "_____" and dated _____ (____ page(s))

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7.3 Incorporation of Recitals. The Recitals to this Agreement are incorporated into this Agreement by this reference as if fully set forth herein.

7.4 Recordation of Agreement. The County shall record an executed original of this Agreement at the Ada County Recorder's Office. The Owner(s) agrees to pay all recording fees necessary to record this Agreement with the Ada County Recorder's Office.

Section 8. Covenants Appurtenant to the Project

8.1 All covenants and conditions set forth herein shall be appurtenant to and run with the Parcel and shall be binding upon the Owner(s)'s heirs, successors, and assigns.

Section 9. Miscellaneous

9.1 Amendment. Modifications to this Agreement may be made only by the written permission of the Board of Ada County Commissioners after complying with the notice and hearing provisions of Idaho Code, § 67-6511A. Any amendment(s) to this Agreement shall be recorded at the Owner(s) expense.

9.2 Interpretation: Unless otherwise specifically defined herein, capitalized terms used herein shall have the same meaning as ascribed to such terms either in the Local Land Use Planning Act, Idaho Code §§ 67-6501 *et seq.* or Title 8 of the Ada County Code, as the case may be. In the event of any conflict between terms in the state statute and terms in the County Code, the terms in the state statute shall prevail. Any term contained in this Agreement not so defined shall be given general common understanding.

9.3 No Agency, Joint Venture or Partnership. The County and the Owner(s) hereby renounce the existence of any form of joint venture or partnership between the County and the Owner(s) and agree that nothing contained herein or in any document executed in connection herewith shall be construed as making the County and the Owner(s) joint ventures or partners.

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9.4 Severability. If any provision of this Agreement or the application of any provision of this Agreement to a particular situation is held by a court of competent jurisdiction to be invalid, void, or unenforceable, such provision shall be disregarded and this Agreement shall continue in effect. However, if such provision is not severable from the balance of the Agreement so that the mutually dependent rights and obligations of the parties remain materially unaffected, this Agreement shall become void.

9.5 Construction. This Agreement has been reviewed by the Owner(s) and the Owner(s) has had the opportunity to have its legal counsel review and revise the Agreement; therefore, the County and Owner(s) agree that no presumption or rule that ambiguities shall be construed against the drafting party shall apply to the interpretation or enforcement of this Agreement.

9.6 Choice of Law. This Agreement and its performance shall be construed in accordance with and governed by the laws of the state of Idaho, with venue for any action brought pursuant to this Agreement to be in the Fourth Judicial District, State of Idaho.

9.7 Waivers. No provision or condition of this Agreement shall be considered waived unless duly amended as provided for in Section 9.1. The failure of the County to require strict performance of any term or condition of this Agreement or to exercise any option herein conferred in any one or all instances shall not be construed to be a waiver or relinquishment of any such term or condition, but the same shall be and remain in full force and effect, unless such waiver is evidenced by the prior written consent of the County.

9.8 Third Party Beneficiaries. Nothing contained herein shall create any relationship, contractual or otherwise, with, or any rights in favor of, any third party.

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IN WITNESS WHEREOF, this Agreement has been executed by the parties hereto on the day and year first above written.

Board of Ada County Commissioners

By: _____
_____, Chairman

By: _____
_____, Commissioner

By: _____
_____, Commissioner

STATE OF IDAHO)
) ss.
County of Ada)

On this _____ day of _____, 20____, before me _____, personally appeared Ada County Commissioners, _____, _____ and _____, known or identified to me to be the persons whose names are subscribed to the within instrument, and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

_____
NOTARY PUBLIC FOR IDAHO
Residing at _____
My Commission Expires _____

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DEVELOPMENT SERVICES

Owner (LIST NAME OF COMPANY, LLC, PARTNERSHIP)

By: _____
(LIST NAME OF AUTHORIZED SIGNATOR)

STATE OF IDAHO)
) ss.
County of Ada)

On this _____ day of _____, 20__, before me, a Notary Public, personally appeared (LIST NAME OF AUTHORIZED SIGNATOR), known or identified to me as the (POSITION OF SIGNATOR IN COMPANY, LLC, PARTNERSHIP) and stated he has the authority to execute this instrument on behalf of (LIST NAME OF COMPANY, LLC, PARTNERSHIP) and did execute the instrument as the Owner of the Parcel.

_____
Notary Public for Idaho
Commission Expires _____

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Development Agreement # ____

Owner (LIST NAME OF INDIVIDUAL)

By: _____
(LIST NAME OF INDIVIDUAL)

STATE OF IDAHO)
) ss.
County of Ada)

On this _____ day of _____, 20__, before me, a Notary Public, personally appeared (LIST NAME OF INDIVIDUAL), known or identified to me as the Owner of the Parcel and stated he has the authority to execute this instrument and did execute the instrument as the Owner of the Parcel.

_____
Notary Public for Idaho
Commission Expires _____

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DEVELOPMENT SERVICES

IDAHO DEPARTMENT OF FISH AND GAME
SOUTHWEST REGION
3101 South Powerline Road
Nampa, Idaho 83686

C.L. "Butch" Otter / Governor
Virgil Moore / Director

November 1, 2013

Fred Noland
Idaho Power Company
PO Box 70
Boise, Idaho 83707

RE: Swan Falls Hydroelectric Dam FERC Project Number 503 Recreation Plan

Dear Mr. Noland:

This letter is submitted to confirm Idaho Department of Fish and Game (IDFG) support for implementation of recreational improvements associated with the new Idaho Power Company (IPC) operating license issued on September 28, 2012, at Swan Falls Hydroelectric Dam, FERC Project Number 503. IDFG has been engaged in recreation-specific planning with IPC for the new license since 2008.

IDFG understands and concurs with the parameters of the Idaho Power Recreation Management Plan improvements that are proposed for implementation on IPC managed project lands. Completion of the planned improvements will benefit the public with expanded and safer recreational opportunities and provide additional protections for fish and wildlife habitat in the project area.

If you are interested in further discussing recreational planning, please contact Jerry Deal at 465-8465 or jerry.deal@idfg.idaho.gov.

Sincerely,

Scott Reinecker
Southwest Regional Supervisor

Robertson

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EXHIBIT 15
Page 1 of 1
20140202 CU-MSP-ZC-DA-HD-F

MEMORANDUM

DATE: 2/24/2014

RE: 201400202-CU/DA/FP/HD/MSP/ZC Swan Falls

TO: Diana Sander, Associate Planner

FROM: Mark Ferm, Ada County Building Official

Summary of Project:

Swan Falls Improvement. A rezone and development agreement to remove a portion of the property out of the WUFI. A conditional use/ master site plan for the addition of camping areas, boat ramps and improvements to the existing park. A hillside development and flood plain application for the disturbance of steep slopes and work within the unnumbered A flood plain located at S Swan Falls Rd on sections 7,12, 18,19,30 and 31in township 2S range 1E.

Findings and Conditions:

The building division has no objection to the proposed development however the applicant should be aware that a permit will be required for each individual structure not exempt from a permit in section 105.2 of the 2012 edition of the International Building Code. The items noted that would require permits are toilet facilities, picnic shelter/s, retaining walls exceeding four (4) feet in height or supporting a surcharge and Sidewalks and driveways on an accessible route.

Conclusion:

Approved with condition listed above.

Please feel free to call with questions or clarifications,

Mark Ferm
Ada County Building Official
200 W Front Suite 2125
Boise Idaho 83702
Phone 287-7910

markf@adaweb.net

EXHIBIT 16
Page 1 of 1
201400202 CU-MSP-ZC-DA-HD-F

CENTRAL DISTRICT HEALTH DEPARTMENT

Environmental Health Division

CENTRAL DISTRICT HEALTH DEPARTMENT

Return to:
- ☒ ACZ
- ☐ Boise
- ☐ Eagle
- ☐ Garden City
- ☐ Kuna
- ☐ Meridian
- ☐ Star

Rezone # _____

Conditional Use # 20140022202-CU/DA/FP/HD/MSP/ZC

Preliminary / Final / Short Plat _____

Swan Falls Improvement

☐ 1. We have No Objections to this Proposal.

☐ 2. We recommend Denial of this Proposal.

☐ 3. Specific knowledge as to the exact type of use must be provided before we can comment on this Proposal.

☐ 4. We will require more data concerning soil conditions on this Proposal before we can comment.

☐ 5. Before we can comment concerning individual sewage disposal, we will require more data concerning the depth of:
- ☐ high seasonal ground water
- ☐ bedrock from original grade
- ☐ waste flow characteristics
- ☐ other _____

☐ 6. This office may require a study to assess the impact of nutrients and pathogens to receiving ground waters and surface waters.

☐ 7. This project shall be reviewed by the Idaho Department of Water Resources concerning well construction and water availability.

☐ 8. After written approval from appropriate entities are submitted, we can approve this proposal for:
- ☐ central sewage
- ☐ community sewage system
- ☐ community water well
- ☐ interim sewage
- ☐ central water
- ☐ individual sewage
- ☐ individual water

☐ 9. The following plan(s) must be submitted to and approved by the Idaho Department of Environmental Quality:
- ☐ central sewage
- ☐ community sewage system
- ☐ community water
- ☐ sewage dry lines
- ☐ central water

☐ 10. This Department would recommend deferral until high seasonal ground water can be determined if other considerations indicate approval.

☐ 11. If restroom facilities are to be installed, then a sewage system MUST be installed to meet Idaho State Sewage Regulations.

☐ 12. We will require plans be submitted for a plan review for any:
- ☐ food establishment
- ☐ swimming pools or spas
- ☐ child care center
- ☐ beverage establishment
- ☐ grocery store

☐ 13. Infiltration beds for storm water disposal are considered shallow injection wells. An application and fee must be submitted to CDHD.

☒ 14. Permits are required for any additional portable sanitation units. EXISTING septic drainfield must be protected at all times.

Reviewed By: [signature]

Date: 2/28/14

EXHIBIT 17
Page 1 of 1
201400202 CU-MSP-ZC-DA-HD-F

Sanders

Review Sheet

15726-DD1EH1111

Diana Sanders

From: Howard, Jamie N NWW <Jamie.N.Howard@usace.army.mil>
Sent: Wednesday, March 05, 2014 8:33 AM
To: Diana Sanders
Subject: File No. 201400202: Swan Falls Dam Recreational Improvements (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

File Number: 201400202-CU / DA / FP / HD / MSP / ZC

Idaho Power Company has submitted an application for the discharge of dredge and/or fill material below the ordinary high water mark of Swan Falls Reservoir/Snake River. The Corps is currently evaluating their application/drawings. At this point in time, a final decision is expected within the next 30-days.

Thank you,

Jamie Howard
Project Manager, Regulatory
U.S. Army Corps of Engineers
Boise Field Office
(208) 345-2155

Classification: UNCLASSIFIED
Caveats: NONE

ADA COUNTY
MAR - 5 2014
DEVELOPMENT SERVICES

EXHIBIT 18
Page 1 of 1
201400202 CU-MSP-ZC-DA-HD-F

MEMORANDUM

DATE: March 3, 2014

RE: File 201400202 CU DA FP HD MSP ZC Swan Falls Hydroelectric Project Recreation Development and Habitat Improvements

TO: Diana Sanders, Associate Planner

FROM: Angela Gilman, Ada County Engineer

CC: Chris Boyd, McMillen LLC

Diana,

I have reviewed the following documents for the project referenced above.

- Detailed Letter
- Construction Plan Set
- Geotech Report
- Ada County Permitting Memo
- Erosion and Sediment Control Plan
- Soils and Geotechnical Report
- No-Rise Certification

The project site is located at the Swan Falls Dam south of Kuna. The dam is operated by Idaho Power Company and is a federal energy regulatory commission jurisdictional generation facility. Idaho Power is mandated under either their license to make recreational improvements and environmental mitigation. This project is IPC's measures to meet the federally mandated effort.

The site has a variety of recreation facilities that have been developed over the years in a random approach. The area is currently used as a recreation area by campers, hikers, boaters, etc. The informal approach has led to activities such as ATV's riding being unrestricted. Impromptu trails have caused significant erosion. The impacts to the vegetation and cultural resources has been significant. This project will restrict the access to specific areas, enhance the recreational facilities, and lessen the impacts on the overall site.

My comments and Conditions of Approval are as follows.

A. The site has been used for is physically suitable for the design and siting of the proposed development. I have reviewed the engineering reports and the construction grading plans and consider them acceptable.

B. The proposed Erosion and Sediment Control Plan adequately addresses temporary and permanent soil erosion issues associated with the proposed grading and excavation.
C. No area of the subject property has been identified as not being suitable for development. Per the grading plan, all areas outside the project limits appear as if they will remain in their present state.
D. Per the grading plan and ESC plan, that disruption of existing native vegetation and wildlife habitat has been minimized.
E. I reviewed the Visual Impact Report. According to the Visual Impact Report, the majority of the site improvements will occur in areas with existing ground disturbance. The improvements will replace/update dilapidated facilities and rehabilitate disturbed areas with seeding of native vegetation. The proposed improvements are consistent with the existing improvements in the area. I concur with the finding of the Visual Impact Report, that the improvements fit the neighboring structures and will not significantly detract from the visual effects of the site.
F. Some of the improvements extend into the floodplain and floodway. The improvements are minimal and consist of quasi open space type recreation facilities such as boat ramps and fire pit rings. The improvements are mostly upgrades to the existing facilities already located on the site. A No-Rise Certification has been submitted.

I recommend approval of the documents.

The applicant has proposed the use of crushed gravel as an alternative surface rather than asphalt. Given the rural setting and type of uses proposed, the proposed surface is acceptable.

The applicant shall minimize soil disturbance between December 1 and April 15.

All drainage shall be retained on site during construction.

The applicant shall schedule a final inspection with the Count Engineering & Survey Division upon completion of the project.

At the conclusion of the approved work, the engineer or record shall submit a report to the director stating that the work has been executed in compliance with the approved plans.

Upon completion of the project the engineer of record shall provide a letter stating that the project was built per approved plans and specifications.

MEMORANDUM

DATE: March 18, 2014
RE: File 201400202 Application for Swan Falls
TO: Diana Sanders, Associate Planner
FROM: Brent Moore, Associate Planner

Diana,

As the Swan Falls area contains Historic Resources, the Ada County Historic Preservation Council supports Idaho Power's proposal to continue to abide by the existing Historic Properties Management Plan which was previously approved for this area. As long as this plan continues to be followed, the Historic Preservation Council has no objections to the proposed project.

Brent Moore
Associate Planner

EXHIBIT 20
Page 1 of 1
201400202 CU-MSP-ZC-DA-HD-F

Diana Sanders

From: Noland, Fred <FNoland@idahopower.com>
Sent: Wednesday, March 12, 2014 3:58 PM
To: Diana Sanders
Subject: RE: Swan Falls

Diana,
Existing parking is a tricky question. There are no delineations at the three larger parking areas (upstream ramp, asphalt by the restroom, and the downstream ramp) down there. The only slots delineated in the past were nose-in sites at the park which totaled 6 (two of which were ADA). When we are done there will be 17 delineated sites at the park (Four of which will be ADA) and the large open asphalt area by the restroom will remain open and undesignated.

The upstream ramp will have 16 boat trailer parking spaces, one passenger vehicle parking space, and a bus parking space. Of those 18 spaces, two will be ADA.

The downstream ramp will have 11 parking spaces, two of which will be ADA.

I hope this helps! Let me know if you need more information!

Thanks again for your help Diana!
Fred

From: Diana Sanders [mailto:dsanders@adaweb.net]
Sent: Friday, March 07, 2014 3:43 PM
To: Murray, Allison; Noland, Fred
Subject: Swan Falls

Hi all,
I am looking at the parking for the project.
Can you let me know how may existing parking spaces there are and existing ADA parking spaces and the location.
Also I need to know how may new parking spaces you are proposing and where they are located. I figured it would be more accurate to ask than to guess, or review all of the maps. It does not indicate how many existing there are.
Thanks
Have a great weekend.

Diana Sanders
Associate Planner

Ada County Development Services
200 W. Front St., Boise, ID 83702
(208) 287-7905 *office*
(208) 287-7909 *fax*

Sign Posting Certification

ADA COUNTY DEVELOPMENT SERVICES, 200 W Front Street, Boise, Idaho 83702 www.adaweb.net | (208) 287-7900

GENERAL INFORMATION:

You must post the property at least ten (10) days prior to the scheduled public hearing. The Certification form must be submitted at least seven (7) days prior to the scheduled public hearing. Please review Section 8-7A-5 of the Ada County Code for all sign posting requirements.

Please attach dated photographs of each sign with the certification.

PROJECT INFORMATION:

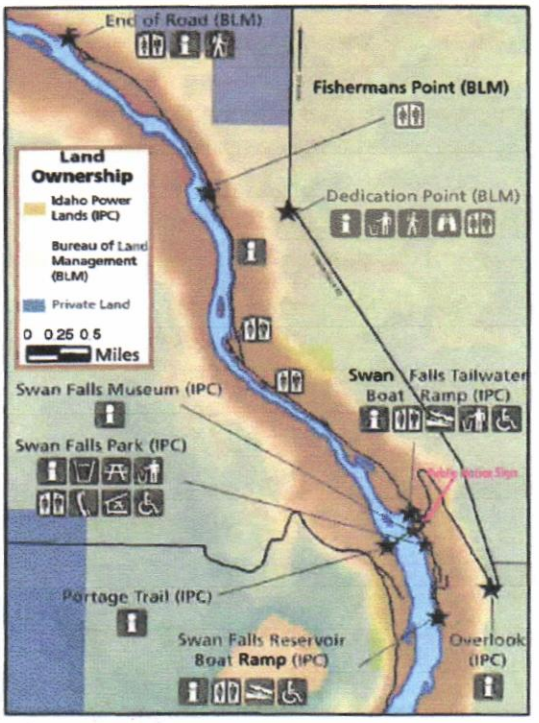
Location:	Quarter: SE	Section: 18, 19, 30, 31	Township: 2S	Range: 1E	Total Acres: 144
Project Name: Swan Falls Hydroelectric Project Recreation Development and Habitat Improvement				Lot: 6 & 11, Sec 18 1,8,9 & 16 of Sec 19 30 & 31	Block:
Site Address: 27201 Swan Falls Road, Swan Falls Dam, Ada County, 83634, Kuna				Tax Parcel Number(s): S3118311000	
File Number: 201400202 ZC-DA-CU-MSP-FP-HD				Date Posted: 3/26/2014	

APPLICANT:		
Name: Idaho Power Company, Allison Murray		
Address: 1221 W. Idaho Street		
City: Boise	State: ID	Zip: 83707
Telephone: 208-388-2418	Fax: 208-433-2849	

I certify that the property was posted at least ten (10) days prior to the scheduled public hearing and have attached dated photographs of each sign in accordance with Section 8-7A-5 of the Ada County Code.

Allison Murray 3/28/14

Signature: (Applicant) Date



OFFICE USE ONLY			
File No.:	Received By:	Date:	Stamped:

ADA COUNTY
MAR 29 2014
DEVELOPMENT SERVICES

EXHIBIT 22
201400202 ZC-DA-CU-MSP-FP-HD
IDAHO POWER

ADA COUNTY PUBLIC HEARING NOTICE

Ada County Planning and Zoning Commission

WHEN: ADA COUNTY will hold a public hearing on April 10th, 2014 at 6:00 p.m. in the Commissioners Main Hearing Room #1235, on the first floor, 200 W. Front Street, Boise, ID.

PURPOSE: Swan Falls Hydroelectric Project Recreation Development and Habitat Improvement.

PROPERTY SIZE/LOCATION: Property contains 144 acres located approx. 20 miles south of Kuna, ID; Secs 18, 19, 30, 31, T. 2S, R. 1E.

APPLICATION BY: Idaho Power Company.

PROJECT NUMBER/PLANNER NAME/PLANNER PHONE NUMBER: 201400202 ZC-DA-CU-MSP-FP-HD/Diana Sanders/208-287-7905.

Sign Posting Certification

ADA COUNTY DEVELOPMENT SERVICES, 200 W Front Street, Boise, Idaho 83702 www.adaweb.net | (208) 287-7900

GENERAL INFORMATION:

You must post the property at least ten (10) days prior to the scheduled public hearing. The Certification form must be submitted at least seven (7) days prior to the scheduled public hearing. Please review Section 8-7A-5 of the Ada County Code for all sign posting requirements.

Please attach dated photographs of each sign with the certification.

PROJECT INFORMATION:

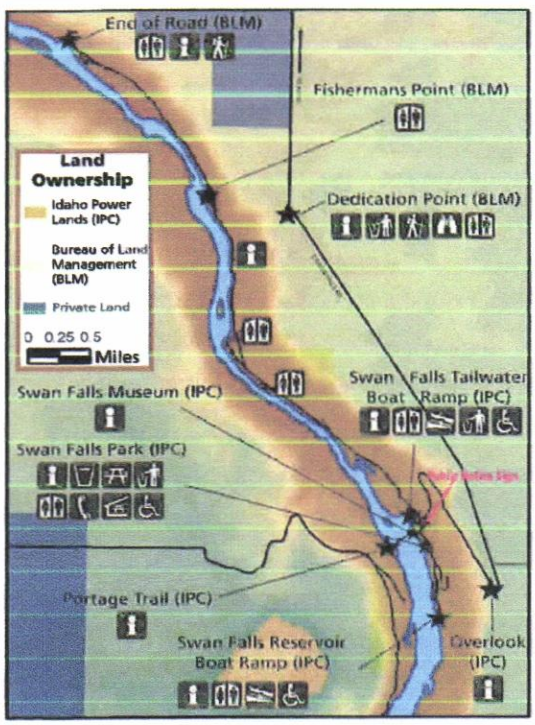
Location:	Quarter: SE	Section: 18, 19, 30, 31	Township: 2S	Range: 1E	Total Acres: 144
Project Name: Swan Falls Hydroelectric Project Recreation Development and Habitat Improvement				Lot: 6 & 11, Sec 18 1,8,9 & 16 of Sec 19 30 & 31	Block:
Site Address: 27201 Swan Falls Road, Swan Falls Dam, Ada County, 83634, Kuna				Tax Parcel Number(s): S3118311000	
File Number: 201400202 ZC-DA-CU-MSP-FP-HD				Date Posted: 4/16/2014	

APPLICANT:		
Name: Idaho Power Company, Allison Murray		
Address: 1221 W. Idaho Street		
City: Boise	State: ID	Zip: 83707
Telephone: 208-388-2418	Fax: 208-433-2849	

I certify that the property was posted at least ten (10) days prior to the scheduled public hearing and have attached dated photographs of each sign in accordance with Section 8-7A-5 of the Ada County Code.

Allison Murray 4/21/14

Signature: (Applicant) Date

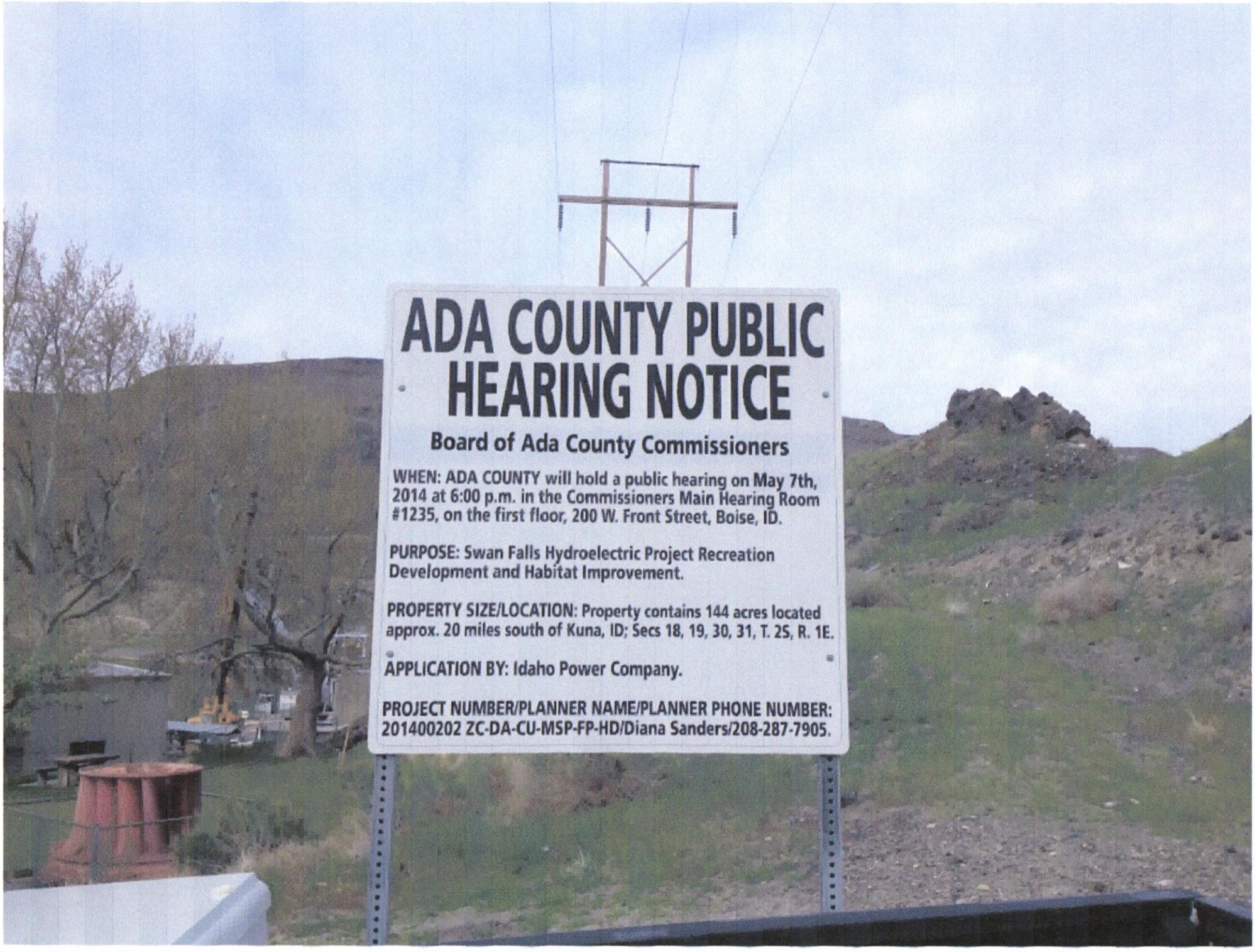


OFFICE USE ONLY			
File No.:	Received By:	Date:	Stamped:

ADA COUNTY
APR 21 2014
DEVELOPMENT SERVICES

EXHIBIT 24
201400202 ZC-DA-CU-MSP-FP-HD
IDAHO POWER

ADA COUNTY PUBLIC
HEARING NOTICE
SWAN FALLS PROJECT
IDAHO POWER


ADA COUNTY PUBLIC
HEARING NOTICE
Board of Ada County Commissioners
WHEN: ADA COUNTY will hold a public hearing on May 7th, 2014 at 6:00 p.m. in the Commissioners Main Hearing Room #1235, on the first floor, 200 W. Front Street, Boise, ID.
PURPOSE: Swan Falls Hydroelectric Project Recreation Development and Habitat Improvement.
PROPERTY SIZE/LOCATION: Property contains 144 acres located approx. 20 miles south of Kuna, ID; Secs 18, 19, 30, 31, T. 2S, R. 1E.
APPLICATION BY: Idaho Power Company.
PROJECT NUMBER/PLANNER NAME/PLANNER PHONE NUMBER: 201400202 ZC-DA-CU-MSP-FP-HD/Diana Sanders/208-287-7905.