NOT TO SCALE

BECAUSE TOTAL SITE DISTURBANCE IS GREATER THAN ONE ACRES, PRIOR TO START OF CONSTRUCTION A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT FROM THE ENVIRONMENTAL PROTECTION AGENCY (EPA). THIS PERMIT WILL REQUIRE A NATIONAL STORM WATER POLLUTION PREVENTION PLAN (SWPPP) BE COMPLETED IN ACCORDANCE WITH STATE OF IDAHO AND EPA GUIDELINES. THIS PLAN WILL INCLUDE THE FOLLOWING;

1. SITE MAP
2. SITE EVALUATION, ASSESSMENT, AND PLANNING
3. EROSION AND SEDIMENT CONTROL BMPs
4. GOOD HOUSEKEEPING BMPs
5. POST CONSTRUCTION BMPs
6. INSPECTIONS
7. RECORD KEEPING AND TRAINING
8. FINAL STABILIZATION
9. CERTIFICATIONS AND NOTIFICATIONS

PEAK FLOW FOR SWELL FOR CULVERT DESIGN

DRAINAGE AREA	6,100,000 FT^2
RUNOFF COEFFICIENT	0.25
*RAIN INTENSITY (50 YEAR FREQUENCY)	3.7 IN./HOUR
**PEAK FLOW RATE=	130 C.F.S.

*Rain intensity derived from National Ocean and Atmospheric Administration (NOAA) Atlas of United States.
** Peak Flow calculated using rational method with a 50 year storm recurrence interval.

LEGEND

	EXISTING	PROPOSED
FLOW LINE OF DITCH		
DITCH TOE OF BANK		
DITCH TOP OF BANK		
THALWEG OF STREAM		
STREAM TOE OF BANK		
STREAM TOP OF BANK		
CONTOUR LINE		
OVERHEAD POWER LINE		
PHONE/COMM. LINE		
FENCE LINE		
CONTROL POINT		
FLOW DIRECTION		

GENERAL NOTES

1. All materials, workmanship, and construction of site improvements shall meet or exceed the work standards and specifications set forth by the Technical Specifications and/or requirements of the Idaho Standards for Public Works Construction, (ISPWC) current edition.
2. All material furnished on or for the project must meet the minimum requirements of the approving agencies or as set forth herein, whichever is more restrictive.
3. The Contractor is cautioned that the location and/or elevation of existing utilities, as shown on these plans, is based on records of the various utility companies and where possible, measurements taken in the field. The Contractor must call the local utility location center at least 48 hours before any excavation to request exact field locations of the utilities.
4. A Pre-Construction Conference shall be held a minimum of three (3) working days prior to start of work. All Contractors, Subcontractors and/or Utility Contractors shall be present.
5. The Contractor shall maintain all existing drainage facilities within the construction area until the drainage improvements are in place and functioning.
6. All Contractors working within the project boundaries are responsible for compliance with all applicable safety laws of any jurisdictional body including but not limited to, barricades, safety devices, control of traffic, excavation, trenching, shoring, and security within and around the construction area.
7. Only plan sets marked "Approved for Construction" shall be used by the project contractor(s). Use of any plans on the job without the "Approved of Construction" stamp shall be grounds for the issuance of a stop work order.
8. Each Contractor shall be responsible for acquiring any necessary NPDES permits, filing any NOI's or NOT's, and preparing a Storm Water Pollution Prevention Plan (SWPPP) in accordance with the Environmental Protection Agency. Contact the EPA at 208.378.5776 for the required information.
9. The Contractor shall be responsible for keeping roadways free and clear of all construction debris and dirt tracked in from the site.
10. All measures possible shall be taken to ensure erosion control with Best Management Practices.
11. Quantities shown are estimates by the Engineer. The Contractor must verify all quantities. If there is a large discrepancy contact the Engineer.
12. To receive final acceptance, Contractor must submit copy of field plans complete with construction notes and As-Built information, corrections, changes, etc.
13. Clearing and grubbing shall consist of removing all natural and artificial objectionable materials. Under no circumstances shall roadways be placed on frozen or objectionable material.

NOT APPROVED FOR CONSTRUCTION

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HIGH BASIN ENGINEERING, PLLC

SKY VIEW RANCH RUNWAY

GENERAL LAYOUT

No.	REVISION	BY	DATE

Drawn: J. Bragg
Checked: J. Bragg
Design: J. Bragg
Approved: J. Bragg
CAD Name:
Date: 12-22-2015

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Project No:	Scale:
2015-017	1"=100'
Sheet No: 1	of Sheets: 2

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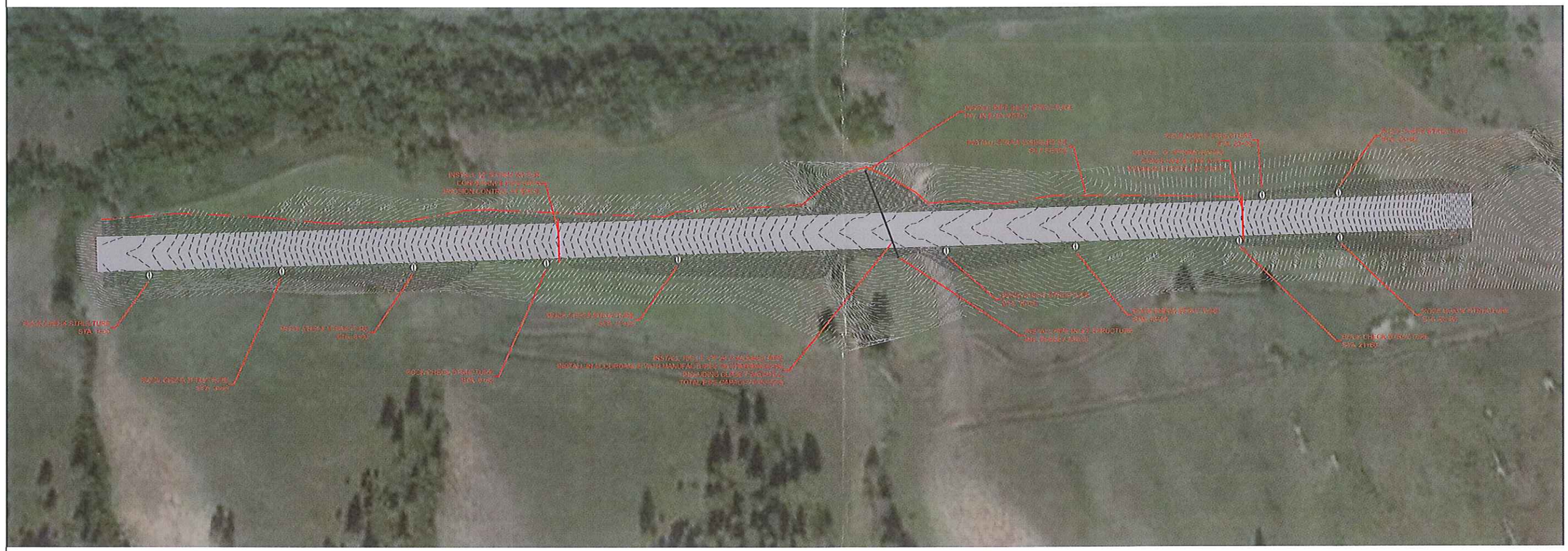
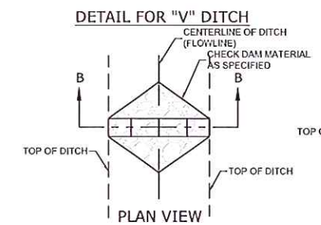
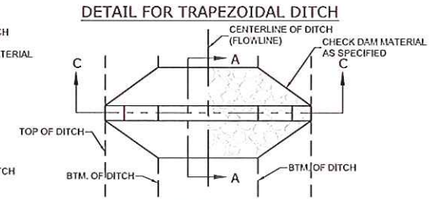


DETAIL FOR "V" DITCH

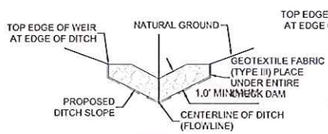


PLAN VIEW

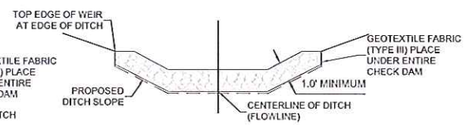
DETAIL FOR TRAPEZOIDAL DITCH



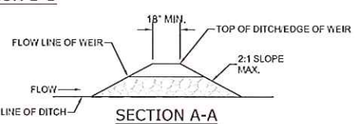
PLAN VIEW



SECTION B-B



SECTION C-C



SECTION A-A

ROCK CHECK STRUCTURE DETAIL

NOT TO SCALE

BEST MANAGEMENT PRACTICES NOTES

1. This plan should be revised and updated to address changes in site conditions, new or revised government regulations, and additional on-site storm water pollution. Additional erosion control measures may be required.
2. Fugitive dust blowing from the site shall be controlled by spraying water and dust control polymers as needed on dry areas of the site.
3. The contractor will be responsible for supervision and inspection of all erosion and sedimentation controls and for ensuring implementation.
4. Prior to beginning earth-moving activities, including clearing and grubbing, all clearing limits, easements, setbacks, sensitive areas and their buffers will be clearly marked to prevent environmental damage both on and off the site.
5. All off-site construction shall be stabilized at the end of the working day.
6. All waste material will be collected and stored in a securely lidded dumpster. The dumpster will meet all local and state solid water management regulations.
7. Portable sanitary units will be provided for use by all workers for the entire project. Sanitary waste will be collected regularly for the portable units by an approved sanitary waste management contractor.
8. All exposed soils will be stabilized with vegetation or covered no more than 14 days after the construction activity in that portion of the site has temporarily or permanently ceased.
9. Existing and new vegetation will be maintained to the maximum extent practicable to prevent the contamination of storm water with sediment.
10. The contractor shall be responsible for adjusting the erosion control measure; due to grade changes during the development of the project.
11. Maintain on the site or have readily available sufficient oil and grease absorbing materials to contain and clean up fuel or chemical spills and leaks.
12. Adequate energy dissipation, erosion control, and soil stabilization measures will be provided for all point source discharges of storm water, including run-on discharges and outlets for onsite discharges.
13. Temporary and permanent swells and small detention ponds will be used as necessary to reduce the velocity of runoff and enhance particle settling.
14. Consistent with the general permit requirements, all potential pollutants other than sediment will be handled and disposed of in a manner that does not affect contamination of water.
15. Materials used during construction with the potential to impact storm water or stream , will be stored, managed, used, and disposed of in a manner that minimizes the potential for releases to the environment and especially in the storm water.
16. All temporary and permanent erosion and sediment control BMPs will be maintained and repaired as needed to assure continued performance of their intended use.
17. Regardless of recommended maintenance schedule, all control measures and inspections shall be performed within 24 hours following any storm of 0.5 inches or greater. An inspection report shall be kept at all times and should be retained for at least three (3) years from the date the site is stabilized.
18. If any disturbance is required outside of the shown disturbance limits, this activity must be approved by the engineer prior to disturbance.

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HIGH BASIN ENGINEERING, PLLC

SKY VIEW RANCH RUNWAY

BEST MANAGEMENT PRACTICES

Checked:	Drawn:	Approved:	Date:
J. Bragg	J. Bragg	J. Bragg	12-22-2015

No.	REVISION	BY	DATE

Design: J. Bragg

CAD Name:

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