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State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF WATER RIGHTS

Michael O. Leavitt  
Governor

Ted Stewart  
Executive Director

Robert L. Morgan  
State Engineer

1636 West North Temple, Suite 220  
Salt Lake City, UT 84116-3156  
801-538-7240  
801-538-7467 (Fax)

September 15, 1994

119

RE: Stream Channel Alteration No. 94-91-09SA  
Grassy Trail Creek  
Sunnyside Cogeneration Assoc.

ACT/007/035  
#2

Attached is a copy of Application to Alter a Natural Stream No. 94-91-09SA. Your comments are requested so we can evaluate any impacts caused by the project.

We are requesting that all comments be returned to me at our office prior to October 5, 1994. If we do not receive comments by that date, we will assume you have no input on the proposal outlined in the application.

If you have any questions or comments, feel free to contact Jim Wells at 538-7374.

Sincerely,

*Shauna Haws*  
for: Jim Wells, P.E.  
Stream Alterations

JW/sh

- pc: Bob Mairley - EPA
- Brooks Carter - Corps of Engineers
- Bob Freeman - U. S. Fish & Wildlife
- Mark Page - Regional Engineer
- Bill Bates - Regional Wildlife Habitat Manager
- Bill Bradwisch - Aquatic Habitat Coordinator
- Mike Reichert - Department of Environmental Quality, Water Quality Div.
- Scott Flandro - State Lands & Forestry
- Carolyn Wright - State Planning & Coordinator's Office
- Terry Green - State Parks & Recreation
- Jim Dykman - State Office of Historic Preservation
- W. D. Robinson - Department of Agriculture, Env. Quality Section
- Nancy Barr - Comprehensive Emergency Management
- Sunnyside Coal Company - Adjacent Property Owner

# JOINT PERMIT APPLICATION FORM

U. S. ARMY CORPS OF ENGINEERS - FOR SECTIONS 404 AND 10  
 UTAH STATE ENGINEER'S OFFICE - FOR NATURAL STREAM CHANNELS

Application Number 94-91-09SA 101  
 (Assigned by:) \_\_\_\_\_ Corps \_\_\_\_\_ State Engineer

Applicant's Name (Last, First M.I.) Sunnyside Cogeneration Assoc. (SCA)		Authorized Agent Fred Finlinson	Telephone Number and Area Code (801) 530-7300	
Applicant's Address (Street, RFD, Box Number, City, State, Zip) P.O. Box 58087, Salt Lake City, UT 84158-0087				
PROJECT LOCATION				
Quarter Section(s) see attached	Section see attached	Township see attached	Range 14 East	Base & Meridian Salt Lake
County Carbon	Watercourse to be altered Grassy Trail Creek	Check one: <input checked="" type="checkbox"/> Within city limits <input type="checkbox"/> Outside city limits List town or nearest town: Sunnyside		
Project location or address: Whitmore Canyon, north of Sunnyside City. 1. Mouth of Water Canyon.    2. 2000 feet south of rodeo ground. 3. Near SCA facility, between athletic field and city park.				
Brief description of project: Installation of a water supply pipeline down Whitmore Cyn. 1. Energy dissipation and erosion control for discharge from water supply pipeline into Grassy Trail Creek. 2. Aerial crossing over Grassy Trail Creek. 3. Aerial Crossing over Grassy Trail Creek.				
Purpose (justification) of project:  See attached.				
Is this a single and complete project or is it part of a larger project, continuing project, or other related activities? If so, please describe the larger project or other related activities. The SCA facility is a power plant. The pipeline down Whitmore Canyon will allow water to be delivered to the facility from the well in Water Canyon. Other permits associated with the operation of the SCA facility are in place and active.				
If project includes the discharge of dredged or fill material:    N/A				
Cubic yards of material:				
Acreage or square footage of waters of the United States, including wetlands, affected by the project:				
Source and type of fill material:				

Alternatives (other ways to accomplish the project purpose):

Continue discharging into Grassy Trail Creek at point 1 instead of completing the pipeline down Whitmore Canyon.

Underground crossings of Grassy Trail Creek at Points 2 and 3.

Names and addresses of adjacent property owners or other individuals who may be affected by this project:

Sunnyside Coal Company  
Robert M. Burnham, President  
1113 Spruce Street  
Boulder, CO 80302  
(303) 938-1506

List other authorizations required by Federal, state or local governments (i.e.; National Flood Insurance Program), and the status of those authorizations.

UPDES Permit #UT0024759: Additional discharge point requested from UDEQ - DWQ on August 10, 1994.  
Permanent Change of Water WRNUM 91-231: Requested January 21, 1994.

Estimated starting date of project

October 1, 1994

Estimated completion date

April 30, 1995

(If project has already been partially or totally completed, indicate date of work. Indicate existing work on drawings)

Application is hereby made for a permit or permits to authorize the activities described herein. I certify that I am familiar with the information contained in the application, and that to the best of my knowledge and belief such information is true, complete and accurate. I further certify that I possess the authority to undertake the proposed activities or am acting as the duly authorized agent of the applicant.

Signature of applicant

Date

9/9/94

I hereby certify that Fred<sup>w.</sup> Finlinson is acting as my agent for this project.

Agent's address and telephone number

Callister, Nebeker & McCullough, Suite 800  
Kennecott Building, SLC, UT 84133 (801) 530-7300

## INSTRUCTIONS

Applications which do not include the following will not be processed.

For a complete application, you **MUST** include the following on 8 1/2 by 11 paper (for large projects, multiple sheets with a key may be used). Clear, hand-drawn plans approximately to scale are acceptable.

1. An accurate location map (USGS quadrangle map preferred)
2. A plan view of the proposed activity (as seen from above) including dimensions of work.
3. A cross-section view of the proposed activity (may use typical cross-section for large projects) including dimensions.
4. For projects which include wetlands, an accurate wetland delineation must be prepared in accordance with the current method required by the Corps.

# JOINT PERMIT APPLICATION FORM

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U.S. ARMY CORPS OF ENGINEERS - FOR SECTIONS 404 AND 10  
UTAH STATE ENGINEERS OFFICE - FOR NATURAL STREAM CHANNELS

## ATTACHMENT

### PROJECT LOCATION:

Quarter Section (s):     1. Northwest 1/4  
                                  2. Northeast 1/4  
                                  3. Southwest 1/4

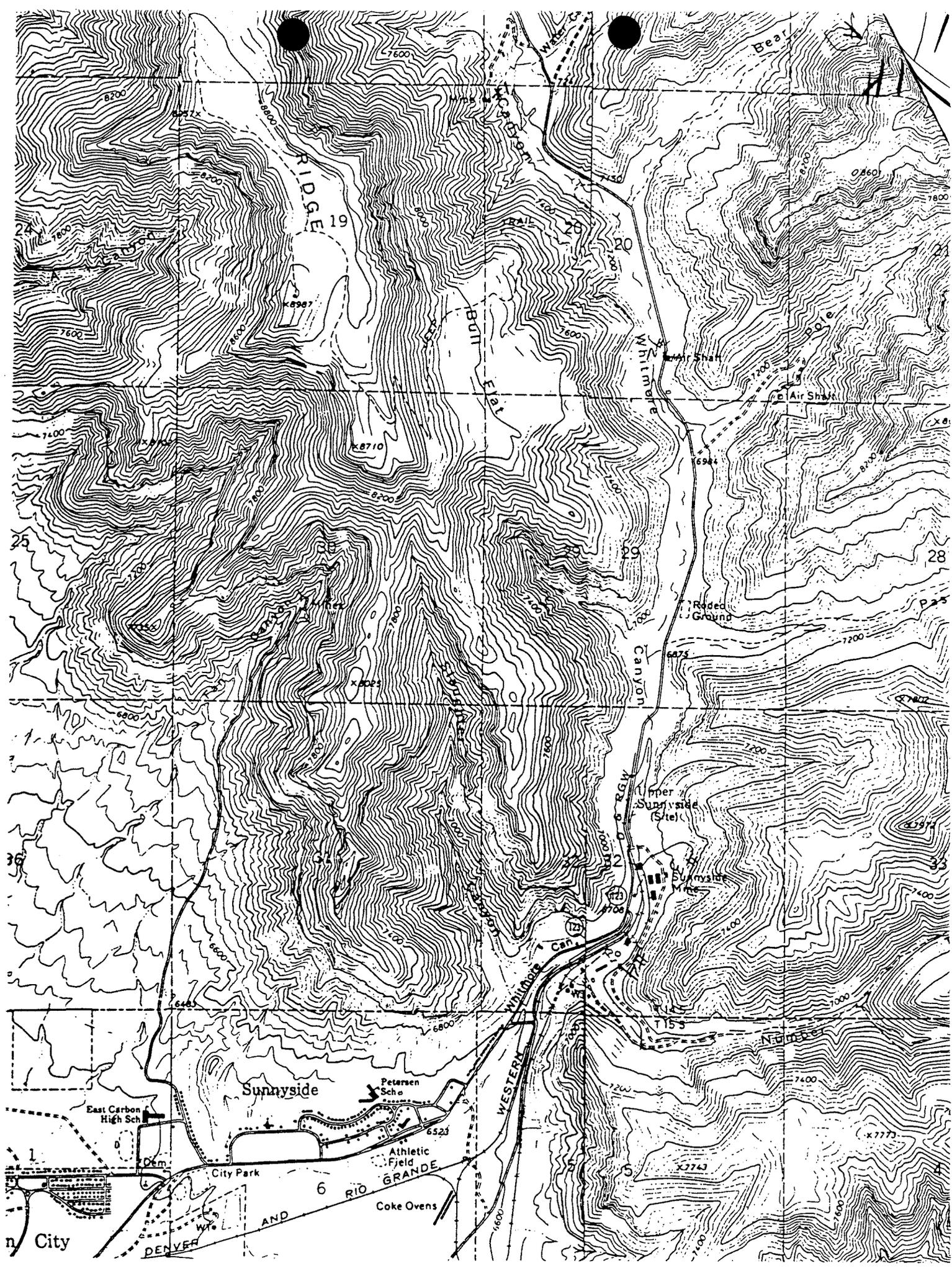
Section:                    1. Section 20  
                                  2. Section 32  
                                  3. Section 6

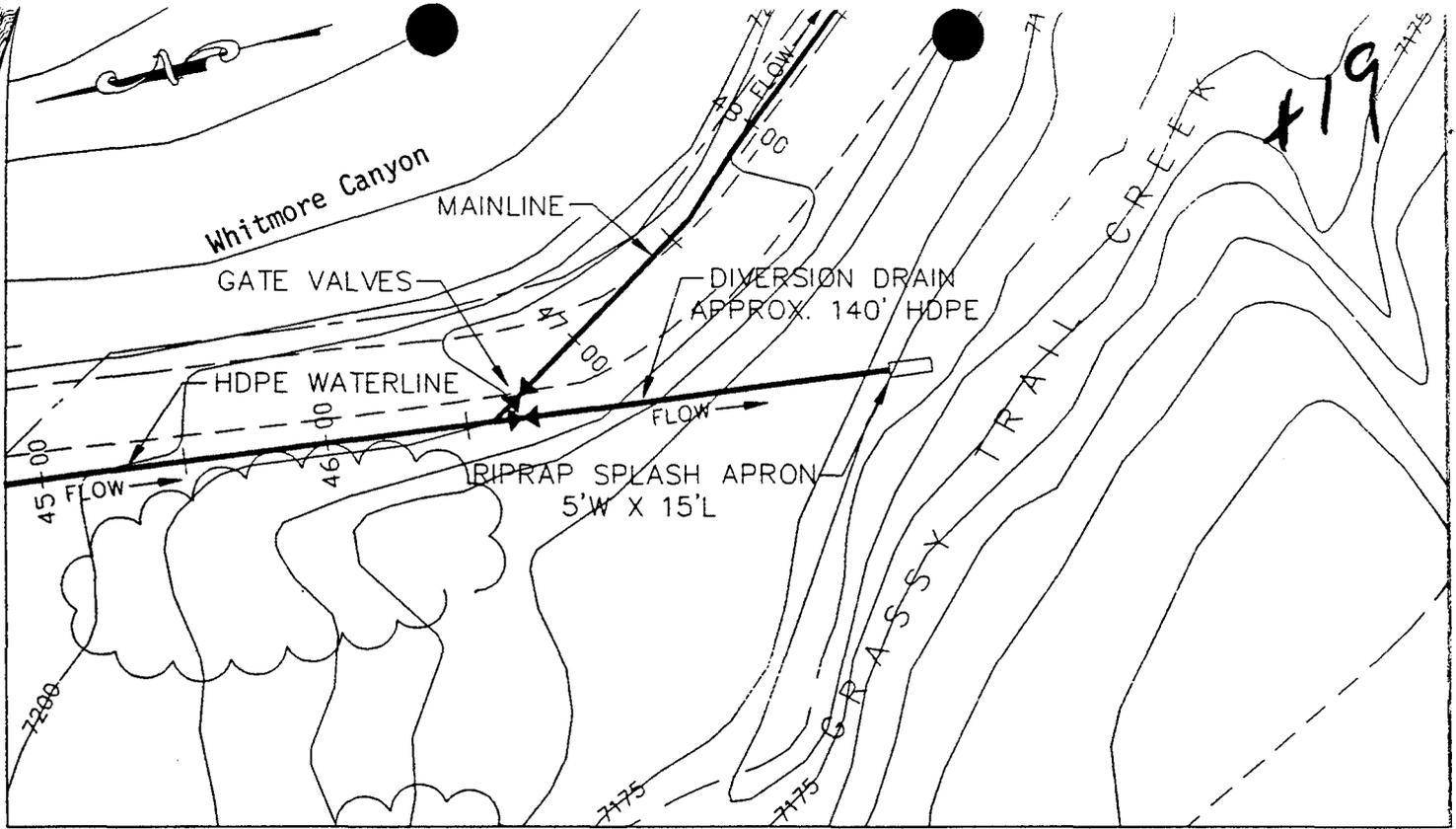
Township:                 1. 14 South  
                                  2. 14 South  
                                  3. 15 South

### PURPOSE (JUSTIFICATION OF PROJECT):

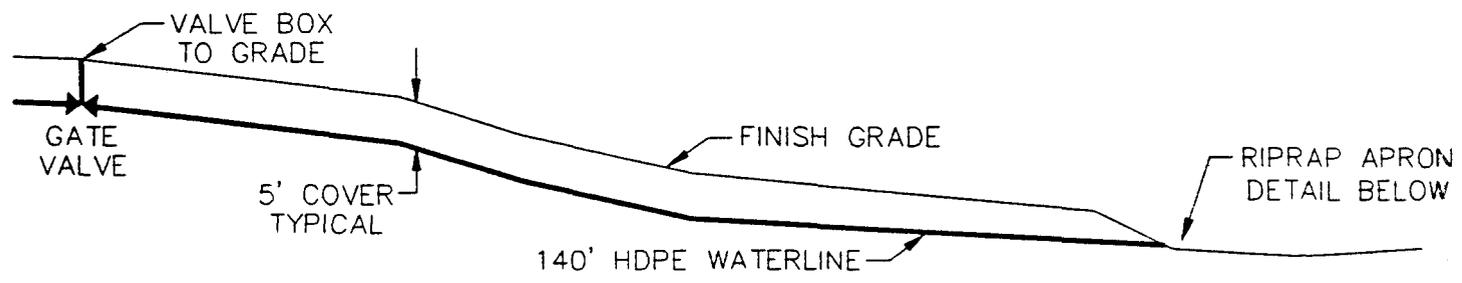
Pipeline will deliver water from a deep production well in Water Canyon to the existing SCA Power Plant for cooling purposes.

1. Allow for discharge of water from deep production well into Grassy Trail Creek. Water to be withdrawn as it reaches existing diversion structures near the SCA facilities. Intended discharge to occur continually until completion of pipeline to the SCA facilities then periodically during required maintenance of pipeline.
- 2 & 3. Deliver water to the SCA facility via pipeline instead of discharging permanently into Grassy Trail Creek. This pipeline will conserve water by minimizing losses to evaporation and infiltration.

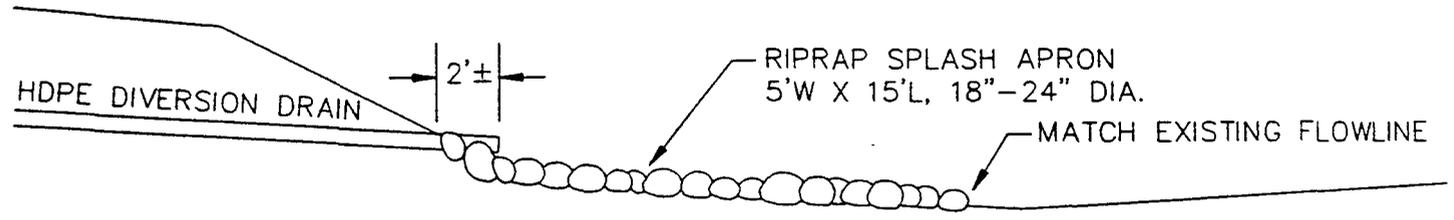




DIVERSION DRAIN PLAN



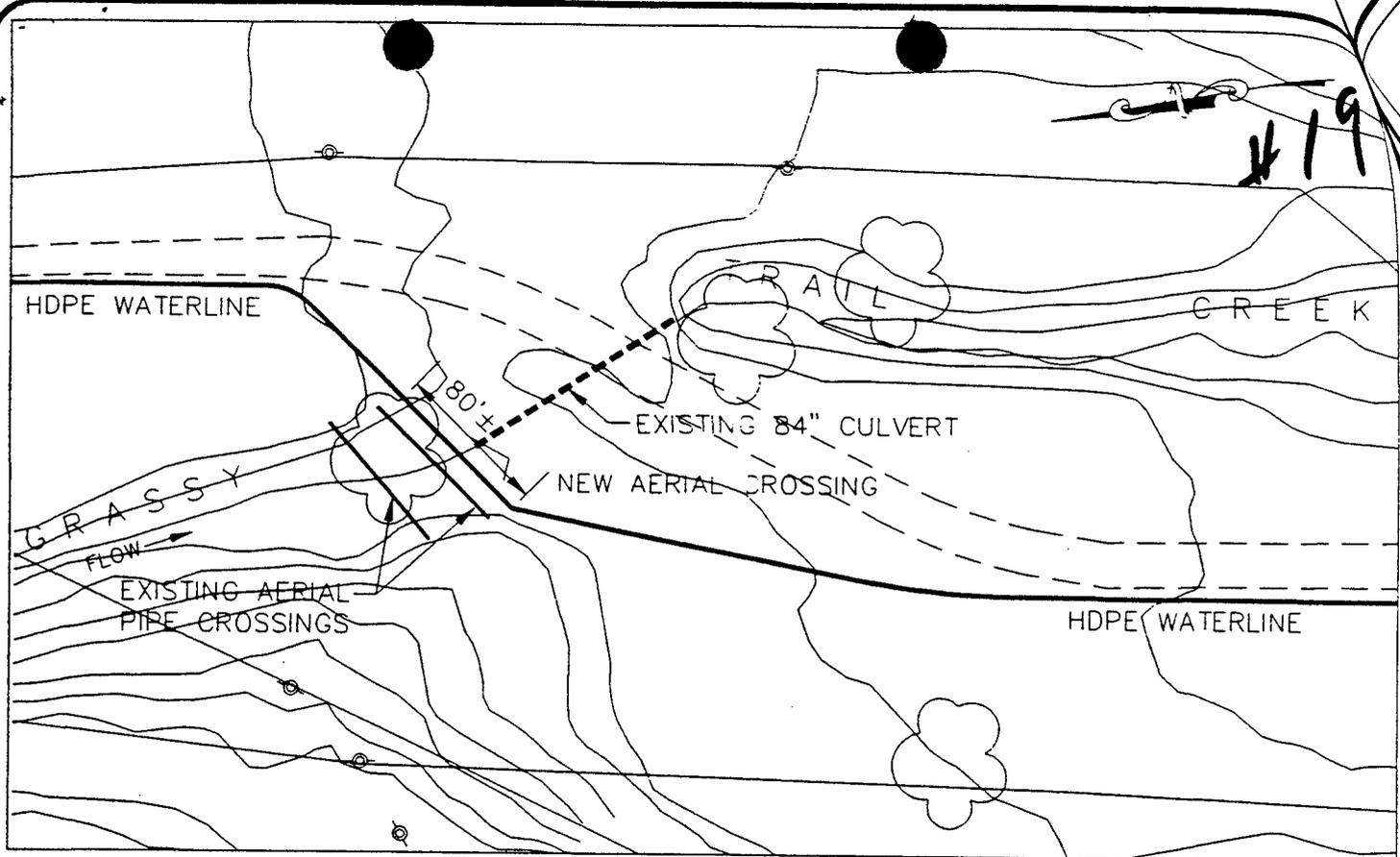
DIVERSION DRAIN PROFILE



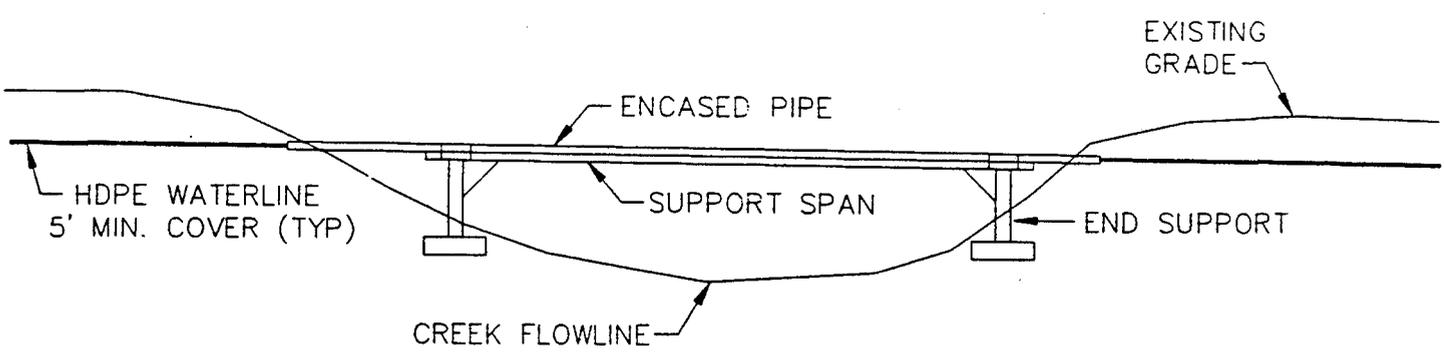
RIPRAP APRON DETAIL

Point 1.

419



CREEK CROSSING PLAN



AERIAL CROSSING DETAIL

Point 2.

SUNNYSIDE

EXISTING ASPHALT ROAD

HDPE WATERLINE  
5' MIN. COVER TYPICAL

NEW AERIAL CROSSING  
APPROX. 60'±

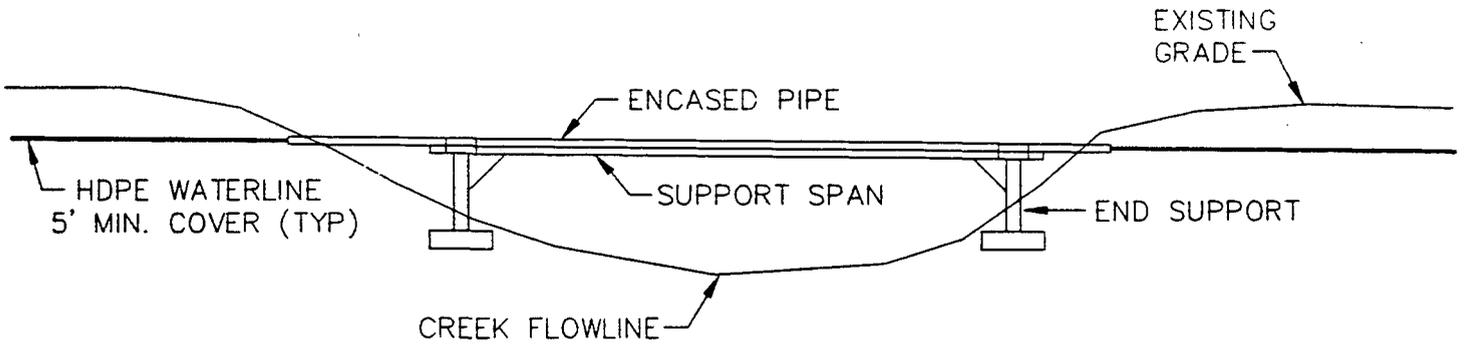
GRASSY TRAIL

CREEK

EXISTING ASPHALT ROAD

EXISTING RESERVOIR

CREEK CROSSING PLAN



AERIAL CROSSING DETAIL

Point 3.



ECKHOFF WATSON AND PREATOR ENGINEERING

ENGINEERS PLANNERS SURVEYORS

GRASSY TRAIL CREEK CROSSING  
SUNNYSIDE COGENERATION FACILITY  
CARBON COUNTY, UTAH