IDAHO DEPARTMENT OF
WATER RESOURCES

322 E Front Street, Suite 648, Boise ID 83702 • PO Box 83720, Boise ID 83720-0098
Phone: 208-287-4800 • Fax: 208-287-6700 • Email: idwrinfo@idwr.idaho.gov • Website: idwr.idaho.gov

Governor Brad Little

Director Mathew Weaver

August 21, 2024

Shayne Bowen
Bowen Arrow LLC
728 Montclair Court
North Salt Lake, UT 84854

RE: Joint Application for Permit No. S22-20364
Bouquet Creek – Culvert

Dear Mr. Bowen,

The Idaho Department of Water Resources (IDWR) has reviewed your above referenced application for a permit to alter Bouquet Creek and has prepared a decision as provided for in Section 42-3805, Idaho Code. The conditions set forth in this permit are intended to prevent degradation of water quality, protect fish and wildlife habitat, and protect the long-term stability of the stream channel. If you cannot meet the conditions set forth in the permit, please contact this office for further consideration.

Your project has been determined to meet the Stream Channel Alteration Rules, IDAPA 37.03.07 Minimum Standards (Rule 55). You may consider this letter a permit to construct your project according to your application, received July 12, 2024, including diagrams. The project location is within Section 31, Township 04 North, Range 45 East, Boise Meridian, Teton County, Idaho.

Project activities include installing a 24-inch diameter, 30-foot long corrugated metal culvert to convey the flow of Bouquet Creek under Bowen Arrow Trail. Approximately 180 cubic yards of road fill will be used in total to construct the road crossing over the culvert. All areas outside the road footprint disturbed during construction will be revegetated after construction.

Failure to adhere to the conditions as set forth herein can result in legal action as provided for in Section 42-3809, Idaho Code. This project is subject to the following Minimum Standards, Special and General Conditions.

MINIMUM STANDARDS:

These standards are established in the Administrative Rules of the Idaho Water Resource Board; Stream Channel Alteration Rules, IDAPA 37.03.07 dated March 18, 2022 and are enclosed with this permit.

Rule 56 - Construction Procedures
Rule 59 – Culverts and Bridges

SPECIAL CONDITIONS:

1. **All construction shall be completed in accordance with the descriptions and methods on the attached application and diagrams. This office must approve any changes prior to construction.**

2. **All construction activities shall take place in the dry to minimize turbidity, protect water quality, and comply with Idaho water quality standards.**

3. **The culvert shall be sized to pass 1% flows without overtopping.**

4. **Silt fencing or other erosion/sediment control measures shall be installed between any area of earth disturbance and anticipated spring flows. Erosion and sediment control measures shall be installed according to the manufacturer's specifications, during construction, and must be maintained until construction is completed and the disturbed ground is revegetated and stable.**

5. **All temporary structures, excess excavated material, and vegetative or construction debris shall be disposed of out of the stream channel where it cannot reenter the channel. All construction debris shall be removed from the site and disposed of properly.**

6. **Care shall be taken to select locations for ingress and egress from the stream that will minimize bank and riparian vegetation damage. Woody stream bank vegetation shall be protected to the extent practical during construction. Damaged areas shall be replanted with native vegetation.**

7. **All fuel, oil, and other hazardous materials shall be stored and equipment refueled away from the stream channel to ensure that a spill will not enter the waterway. Equipment must be free of fuel and lubricant leaks.**

8. **Permittee is responsible for all work done by any contractor or sub-contractor and shall ensure any contractor who performs the work is informed of and follows all the terms and conditions of this authorization.**

9. **This permit shall expire December 31, 2026.**

GENERAL CONDITIONS:

1. This permit does not constitute any of the following:
   a. An easement or right-of-way to trespass or work upon property belonging to others.
   b. Other approval that may be required by Local, State, or Federal Government, unless specifically stated in the special conditions above.
   c. Responsibility of IDWR for damage to any properties due to work done.
   d. Compliance with the Federal Flood Insurance Program, FEMA regulations, or approval of the local Planning and Zoning authority.

2. In accordance with Sections 55-2201 - 55-2210, Idaho Code, the applicant and/or contractors must contact Digline statewide phone number 1-800-342-1585 (Boise area 208-342-1585) not less than three working days prior to the start of any excavation for this project.

3. The permit holder or operator must have a copy of this permit at the alteration site, available for inspection at all times.

4. IDWR may cancel this permit at any time that it determines such action is necessary to minimize adverse impact on the stream channel.

Failure to adhere to conditions as set forth herein can result in legal action as provided for in Section 42-3809, Idaho Code.

If you object to the decision issuing this permit with the above conditions, you have 15 days in which to notify this office in writing that you request a formal hearing on the matter. If an objection has not been received within 15 days, the decision will be final under the provisions of IDAPA 37.03.07 (Rule 70).

Please contact Katie Gibble at (208) 287-4823 or katie.gibble@idwr.idaho.gov if you have any questions regarding this matter.

Sincerely,

Katie Gibble
Stream Channel Protection
Idaho Department of Water Resources

cc: Arnold Woolstenhulme, AW Engineering, Victor
Wendy Danielson and Tristan Kolb, Teton County, Driggs
Alex Bell, Idaho Department of Environmental Quality, Idaho Falls
Heath Hancock, Idaho Department of Lands, Idaho Falls
Eric Anderson, Idaho Department of Fish & Game, Idaho Falls
US Army Corps of Engineers, Idaho Falls
Aaron Golart, Idaho Department of Water Resources

056. CONSTRUCTION PROCEDURES (RULE 56).

01. Conformance to Procedures. Construction shall be done in accordance with the following procedures unless specific approval of other procedures has been given by the Director. When an applicant desires to proceed in a manner different from the following, such procedures should be described on the application. (3-18-22)

02. Operation of Construction Equipment. No construction equipment shall be operated below the existing water surface without specific approval from the Director except as follows: Fording the stream at one (1) location only will be permitted unless otherwise specified; however, vehicles and equipment will not be permitted to push or pull material along the streambed below the existing water level. Work below the water which is essential for preparation of culvert bedding or approved footing installations shall be permitted to the extent that it does not create unnecessary turbidity or stream channel disturbance. Frequent fording will not be permitted in areas where extensive turbidity will be created. (3-18-22)

03. Temporary Structures. Any temporary crossings, bridge supports, cofferdams, or other structures that will be needed during the period of construction shall be designed to handle high flows that could be anticipated during the construction period. All structures shall be completely removed from the stream channel at the conclusion of construction and the area shall be restored to a natural appearance. (3-18-22)

04. Minimizing Disturbance of Area. Care shall be taken to cause only the minimum necessary disturbance to the natural appearance of the area. Streambank vegetation shall be protected except where its removal is absolutely necessary for completion of the work adjacent to the stream channel. (3-18-22)

05. Disposal of Removed Materials. Any vegetation, debris, or other material removed during construction shall be disposed of at some location out of the stream channel where it cannot reenter the channel during high stream flows. (3-18-22)

06. New Cut of Fill Slopes. All new cut or fill slopes that will not be protected with some form of riprap shall be seeded with grass and planted with native vegetation to prevent erosion. (3-18-22)

07. Fill Material. All fill material shall be placed and compacted in horizontal lifts. Areas to be filled shall be cleared of all vegetation, debris and other materials that would be objectionable in the fill. (3-18-22)

08. Limitations on Construction Period. The Director may limit the period of construction as needed to minimize conflicts with fish migration and spawning, recreation use, and other uses. (3-18-22)

059. CULVERTS AND BRIDGES (RULE 59).

01. Culverts and Bridges. Culverts and bridges shall be capable of carrying streamflows and shall not significantly alter conditions upstream or downstream by causing flooding, turbidity, or other problems. The appearance of such installations shall not detract from the natural surroundings of the area. (3-18-22)

02. Location of Culverts and Bridges. Culverts and bridges should be located so that a direct line of approach exists at both the entrance and exit. Abrupt bends at the entrance or exit shall not exist unless suitable erosion protection is provided. (3-18-22)

03. Ideal Gradient. The ideal gradient (bottom slope) is one which is steep enough to prevent silting but flat enough to prevent scouring due to high velocity flows. It is often advisable to make the gradient of a culvert coincide with the average streambed gradient. (3-18-22)

a. Where a culvert is installed on a slope steeper than twenty percent (20%), provisions to anchor the culvert in position will be required. Such provisions shall be included in the application and may involve the use of collars, headwall structures, etc. Smooth concrete pipe having no protruding bell joints or other irregularities shall have such anchoring provisions if the gradient exceeds ten percent (10%). (3-18-22)

04. Size of Culvert or Bridge Opening. The size of the culvert or bridge opening shall be such that it is capable of passing design flows without overtopping the streambank or causing flooding or other damage. (3-18-22)

a. Design flows shall be based upon the following minimum criteria:

Drainage Area	Design Flow Frequency
Less than 50 sq. mi.	25 Years
Over 50 sq. mi. or more	50 years or greatest flow of record, whichever is more

(3-18-22)

b. For culverts and bridges located on U.S. Forest Service or other federal lands, the sizing should comply with the Forest Practices Act as adopted by the federal agencies or the Department of Lands. (3-18-22)

c. For culverts or bridges located in a community qualifying for the national flood issuance program, the minimum size culvert shall accommodate the one hundred (100) year design flow frequency. (3-18-22)

d. If the culvert or bridge design is impractical for the site, the crossing may be designed with additional flow capacity outside the actual crossing structure, provided there is no increase in the Base Flood Elevation.
(NOTE: When flow data on a particular stream is unavailable, it is almost always safe to maintain the existing gradient and cross-section area present in the existing stream channel. Comparing the proposed crossing size with others upstream or downstream is also a valuable means of obtaining information regarding the size needed for a proposed crossing.) (3-18-22)

e. Minimum clearance shall be at least one (1) foot at all bridges. This may need to be increased substantially in the areas where ice passage or debris may be a problem. Minimum culvert sizes required for stream crossings: (3-18-22)

i. Eighteen (18) inch diameter for culverts up to seventy (70) feet long; (3-18-22)

ii. Twenty-four (24) inch diameter for all culverts over seventy (70) feet long. (3-18-22)

f. In streams where fish passage is of concern as determined by the director, an applicant shall comply with the following provisions and/or other approved criteria to ensure that passage will not be prevented by a proposed crossing. (3-18-22)

g. Minimum water depth shall be approximately eight (8) inches for salmon and steelhead and at least three (3) inches in all other cases. (3-18-22)

h. Maximum flow velocities for streams shall not exceed those shown in Figure 17 in APPENDIX H, located at the end of this chapter, for more than a forty-eight (48) hour period. The curve used will depend on the type of fish to be passed. (3-18-22)

i. Where it is not feasible to adjust the size or slope to obtain permissible velocities, the following precautions may be utilized to achieve the desired situation. (3-18-22)

j. Baffles downstream or inside the culvert may be utilized to increase depth and reduce velocity. Design criteria may be obtained from the Idaho Fish and Game Department. (3-18-22)

k. Where multiple openings for flow are provided, baffles or other measures used in one (1) opening only shall be adequate provided that the opening is designed to carry the main flow during low-flow periods. (3-18-22)

05. Construction of Crossings. When crossings are constructed in erodible material, upstream and downstream ends shall be protected from erosive damage through the use of such methods as dumped rock riprap, headwall structures, etc., and such protection shall extend below the erodible streambed and into the banks at least two (2) feet unless some other provisions are made to prevent undermining. (3-18-22)

a. Where fish passage must be provided, upstream drops at the entrance to a culvert will not be permitted and a maximum drop of one (1) foot will be permitted at the downstream end if an adequate jumping pool is maintained below the drop. (3-18-22)

b. Downstream control structures such as are shown in Figure 18 in APPENDIX I, located at the end of this chapter, can be used to reduce downstream erosion and improve fish passage. They may be constructed with gabions, pilings and rock drop structures. (3-18-22)

06. Multiple Openings. Where a multiple opening will consist of two (2) or more separate culvert structures, they shall be spaced far enough apart to allow proper compaction of the fill between the individual structures. The minimum spacing in all situations shall be one (1) foot. In areas where fish passage must be provided, only one (1) opening shall be constructed to carry all low flows. Low flow baffles may be required to facilitate fish passage. (3-18-22)

07. Areas to be Filled. All areas to be filled shall be cleared of vegetation, topsoil, and other unsuitable material prior to placing fill. Material cleared from the site shall be disposed of above the high water line of the stream. Fill material shall be reasonably well-graded and compacted and shall not contain large quantities of silt, sand, organic matter, or debris. In locations where silty or sandy material must be utilized for fill material, it will be necessary to construct impervious sections both upstream and downstream to prevent the erodible sand or silt from being carried away (see Figure 19, APPENDIX J, located at the end of this chapter), Sideslopes for fills shall not exceed one and one half to one (1.5:1). Minimum cover over all culvert pipes and arches shall be one (1) foot. (3-18-22)

08. Installation of Pipe and Arch Culvert. All pipe and arch culverts shall be installed in accordance with manufacturer's recommendations. (3-18-22)

a. The culvert shall be designed so that headwaters will not rise above the top of the culvert entrance unless a headworks is provided. (3-18-22)

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: emailed 7/12/2024	☐ Incomplete Application Returned	Date Returned:
Idaho Department of Water Resources No. 22-20364	Date Received: emailed 7/12/2024	☒ Fee Received DATE: 7/12/2024	Receipt No.: E050230
Idaho Department of Lands No.	Date Received:	☐ Fee Received DATE:	Receipt No.:

INCOMPLETE APPLICANTS MAY NOT BE PROCESSED

1. CONTACT INFORMATION - APPLICANT Required:			2. CONTACT INFORMATION - AGENT:		
Name: Shayne Bowen			Name: Arnold Woolstenhulme		
Company: Bowen Arrow LLC			Company: AW Engineering		
Mailing Address: 728 Montclair Court			Mailing Address: P.O. Box 139		
City: North Salt Lake	State: UT	Zip Code: 84854	City: Victor	State: ID	Zip Code: 83455
Phone Number (include area code): 801-673-8170	E-mail: hermanobo@hotmail.com		Phone Number (include area code): 208-787-2952	E-mail: aweng@ida.net	

3. PROJECT NAME or TITLE: BowenArrow Trail	4. PROJECT STREET ADDRESS:			
5. PROJECT COUNTY: Teton	6. PROJECT CITY: West of Victor, Idaho	7. PROJECT ZIP CODE: 83455		8. NEAREST WATERWAY/WATERBODY: Teton River

9. TAX PARCEL ID#:	10. LATITUDE: / LONGITUDE:	11a. 1/4:	11b. 1/4:	11c. SECTION:	11d. TOWNSHIP:	11e. RANGE:
RP04N45E313201	43.633896 / -111.197062	NW	NW	31	4N	45E

12a. ESTIMATED START DATE:	12b. ESTIMATED END DATE:	13a. IS PROJECT LOCATED WITHIN ESTABLISHED TRIBAL RESERVATION BOUNDARIES?
August 1st 2024	August 31st 2024	☒ NO ☐ YES Tribe:

13b. IS PROJECT LOCATED IN LISTED ESA AREA?	13c. IS PROJECT LOCATED ON/NEAR HISTORICAL SITE?
☒ NO ☐ YES	☒ NO ☐ YES

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

Intersection of State Hwy #33 and W 8000 S; West on W 8000 South (becomes W 7750 S) to S 4500 W. North on S 4500W to W 6250 S. West on W 6250 S. 1/4 mile to subject proptery on North side of W 6250 S.

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.

New roadway to serve 3 new subdivision lots; Teton County, Idaho standards with 24" culvert.

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.:

To install a 24" cmp pipe, 30 feet long in Boquet Creek, which is located in the middle of the NW 1/4 NW 1/4 of Sec. 31, Twp. 4N, Rng. 45E, B.M., Teton County, Idaho.
The pipe will have over 1 foot of cover on top, making the fill approximately 3 feet deep.
The road fill with be 30 feet wide by 100 feet long in the Boquet Creek drainage area in the delineated wet lands.
The affected wetlands area is approximately 0.07 acres of land.
The equipment used will be an excavator to dig the area for pipe and to clear the area within the roadway for the road and pipe. Pit run gravel will then be imported and placed for the roadway. The amount of pit run for the road fill will be 180 cu yds. Boquet Creek's source is two springs about 1/4 mile to the west at the top of the mountains. AW Engineering measured the flow at high water of 3.1 cfs and a low water of 1.0 cfs. An 18" culvert has existed across Boquet Creek about 400 feet upstream from this new pipe location for over 100 years at the old homestead site. There is no evidence of over topping or erosion at this old culvert. Pictures are attached showing the old culvert inlet and outlet area and the new culvert site.
BMP's to protect the creek channel will be installed fiber log rolls at the entrance and outlet areas on the new cmp.
A 3 foot high sediment fence will be installed along the outlet end of the creek for 100 feet on each side.
Rip Rap and bank protection will be installed at the cmp inlet and outlet.

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.

Alternatives I. To keep the new road on the south side of Boquet Creek. This alternative lessens the value of the two affected lots on the South side with no creek frontage and it forces them to be smaller because Teton County requires lot lines to go down the center of the new roadway.

Alternative II. Do nothing which means this 40 acres would be one large lot and the value of the land is about 1/3 of the developed value with 7 lots.

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.

This new pipe is a very minor encroachment in the Boquet Creek drainage and should not require any mitigation. The developer is installing a small pond and new wetlands area upstream at the side of an old diversion dam site to improve and to mitigate stream encroachments.

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:	180	cubic yards
Concrete:	0	cubic yards
Other (describe):	0	cubic yards
Other (describe):	0	cubic yards
TOTAL:	180	cubic yards

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

Filling:	0.07	acres	3000	sq ft.	180	cubic yards
Backfill & Bedding:		acres		sq ft.		cubic yards
Land Clearing:	0.07	acres	3000	sq ft.	0	cubic yards
Dredging:	0	acres		sq ft.		cubic yards
Flooding:	0	acres		sq ft.		cubic yards
Excavation:		acres		sq ft.		cubic yards
Draining:	0	acres		sq ft.		cubic yards
Other:	0	acres		sq ft.		cubic yards
TOTALS:	.07	acres	3000	sq ft.	180	cubic yards

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

22. LIST ALL PREVIOUSLY ISSUED PERMIT AUTHORIZATIONS:

Has water rights in Boquet Creek

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: 0.6 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 PRACTICTES (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

Install 10 feet of fiber log rolls at inlet and at the outlet of the new 24" culvert.
Install Silt fence along the creek edge upstream and downstream 100 feet on each side of creek.
Install permanent 1/2 Cu Yd rock rip at each side of inlet and the outlet at the new culvert.
The rip rap to be 40 pound or larger solid rock.
No equipment to cross or be in creek channel outside of the 40 foot wide area of construction.
Any Clearing or cleaning operations outside this area will be done with manual labor.

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
Clearing	Boquet Creek	Inter/Per	40' Wide x 100' Long	100'
Culvert	Boquet Creek	Perennial	4' Wide x 32' Long	4'
Road Fill	Boquet Creek	Perennial	32' Wide x 100: Long	32'
			TOTAL STREAM IMPACTS (Linear Feet):	

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
Construction Crossing	Emergent	4'	Rd 10' x 34'	340 sf
Construction Crossing	Shrub Wetlands	40'	Rd Fill 40' x 34:	1360 sf
			TOTAL WETLAND IMPACTS (Square Feet):	

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

Name: Val Kunz Mailing Address: 8235 Baseline Road City: Victor Area; State: ID; Zip Code: 83455 Phone Number: [redacted]; E-mail:	Name: Jennifer Brannon Mailing Address: 5058 Strawberry Lane City: Victor; State: Id; Zip Code: 83455 Phone Number: [redacted]; E-mail:
Name: Brad Kunz Mailing Address: 3995 Daisyway City: Boise; State: ID; Zip Code: 83709 Phone Number: [redacted]; E-mail:	Name: Robert Matthews Mailing Address: 8013 City: Victor; State: ID; Zip Code: 83455 Phone Number: [redacted]; E-mail:
Name: Michael Bradel Mailing Address: 8315 Syringa Drive City: Victor; State: ID; Zip Code: 83455 Phone Number: [redacted]; E-mail:	Name: Teton Rainbow Ranches Mailing Address: 7215 S 4500W City: Victor; State: ID; Zip Code: 83455 Phone Number: [redacted]; E-mail:
Name: Peter Law Mailing Address: 4 Mara Place City: Monroe; State: NY; Zip Code: 10950 Phone Number: [redacted]; E-mail:	Name: Mike Haskell; Mike Kunz Mailing Address: 4746 W 6250S; 6120 S 4500W City: Victor; State: ID; Zip Code: 83455 Phone Number: [redacted]; E-mail:

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

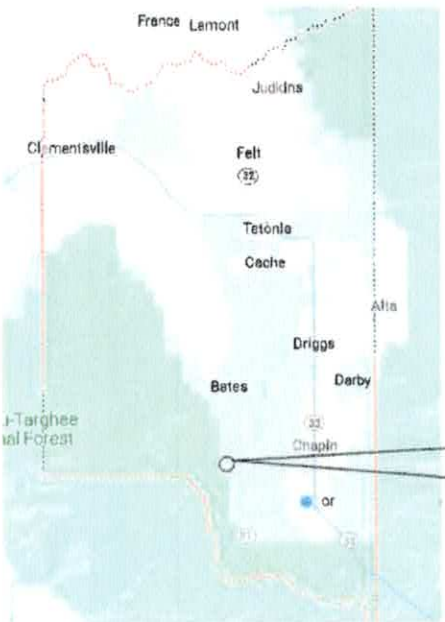
Application is hereby made for permit, or permits, to authorize the work described in this application and all supporting documentation. I certify that the information in this application is complete and accurate. I further certify that I possess the authority to undertake the work described herein, 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: Shayne M. Bowen Date: 7/11/2024

Signature of Agent: [signature] Eng Intern Date: 7/11 2024

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".*

VICINITY MAP TITLE PAGE
BOUQET CREEK CULVERT



TETON CO. IDAHO

NRCS TOPO MAP OF AREA

PROERTY: NW1/4 NW1/4 Sec 31, T4N, R45E, B.M.

PROJECT PLANS		
SHT	NAME	PAGE
P-1	VICINITY MAPS - INFORMATION	1
P-2	BOWENARROW SUBDIVISION	2
P-3	CULVERT INSTALLATION AREA	3
P-4	EVERGREEN TREES (A)	3
P-5	EROSION CONTROL PLANS	5
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P-7	INLET & OUTLET IMAGES	7

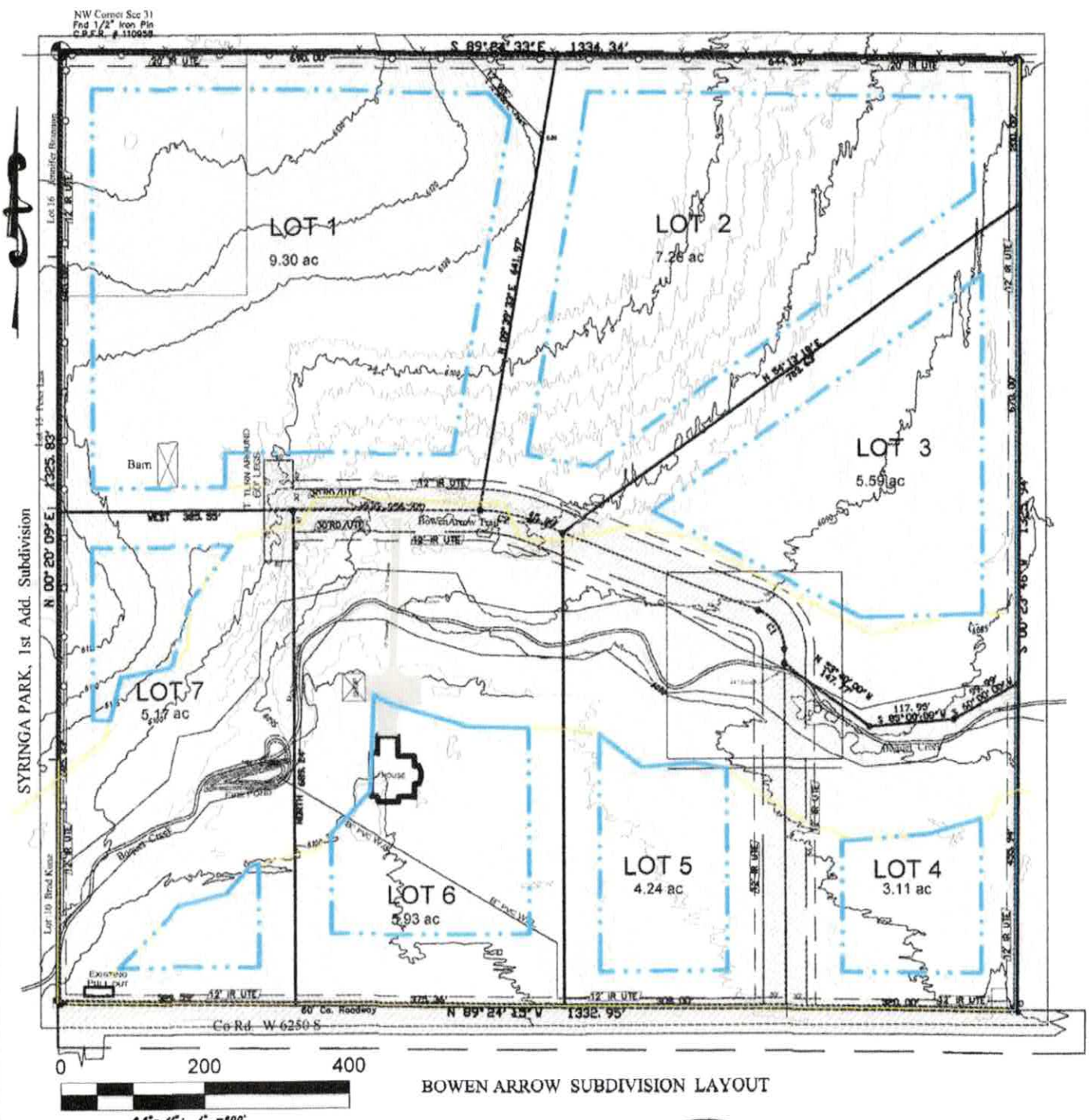
PROFESSIONAL ENGINEER AND LAND SURVEYOR
REGISTERED
2860
STATE OF IDAHO
ARNOLD WOOLSTENHULME

Arnold Woolstenhulme

7/06/24

Proj name:	BOUQET CREEK CULVERT
Name applicant:	SHANE BOWEN
Waterway:	Bouqet Creek
County:	TETON CO., IDAHO
Date:	July 11, 2024
Page:	1 of 7

SUBDIVISION LAYOUT
BOUQET CREEK CU;VERT



BOWEN ARROW SUBDIVISION LAYOUT

PROFESSIONAL ENGINEER, LAND SURVEYOR
REGISTERED
2860
Arnold Woolstenhulme
STATE OF IDAHO
ARNOLD WOOLSTENHULME
7/08/24

Proj name:	BOUQET CREEK CULVERT
Name applicant:	SHANE BOWEN
Waterway:	Bouqet Creek
County:	TETON CO., IDAHO
Date:	July 11, 2024
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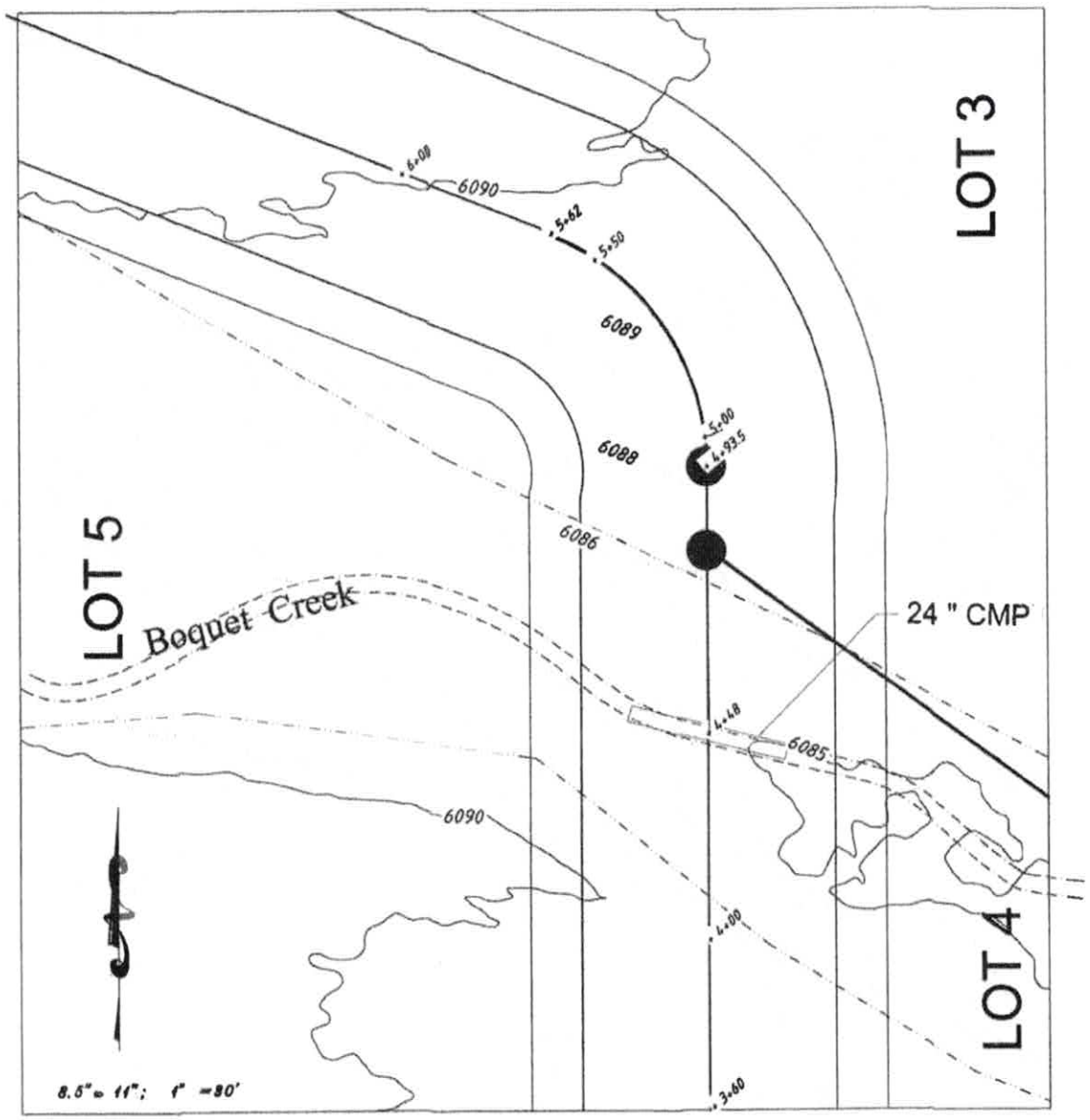
CULVERT INSTALLATION PLAN
BOUQET CREEK CULVERT



BOUQET CREEK CULVERT SITE LAYOUT

PROFESSIONAL ENGINEER, LAND SURVEYOR
REGISTERED
2860
Arnold Woolstenhulme
STATE OF IDAHO
ARNOLD WOOLSTENHULME
7/06/24

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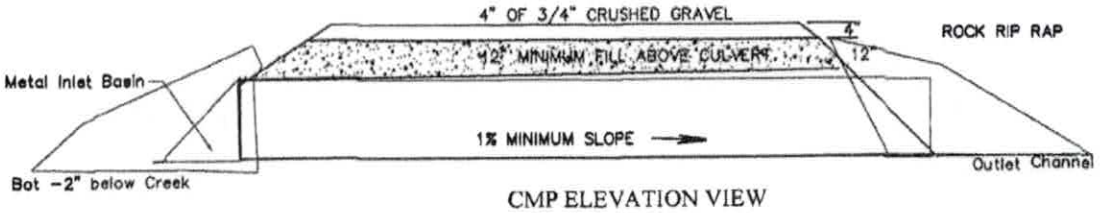
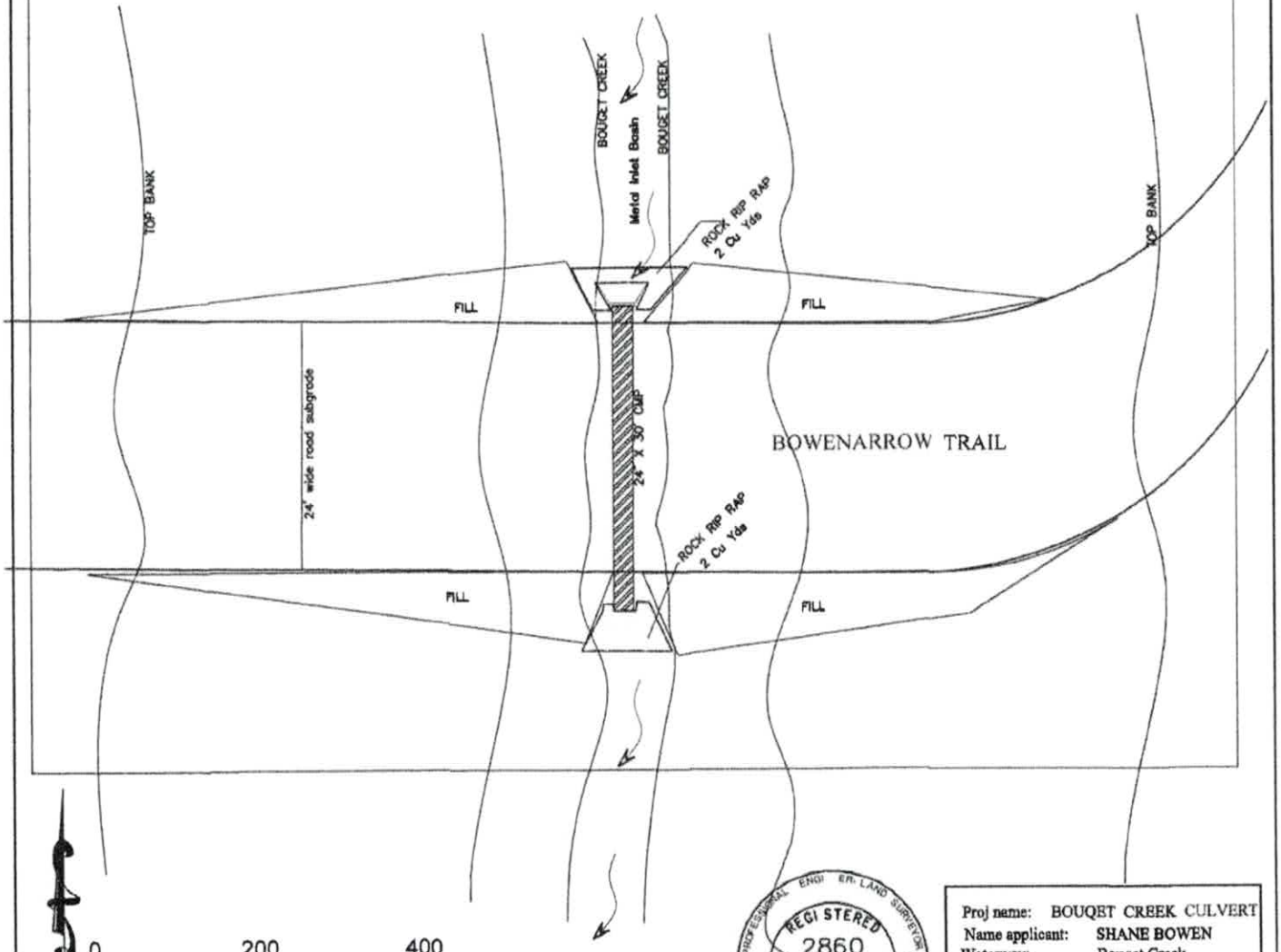
CULVERT & RIP RAP DETAILS

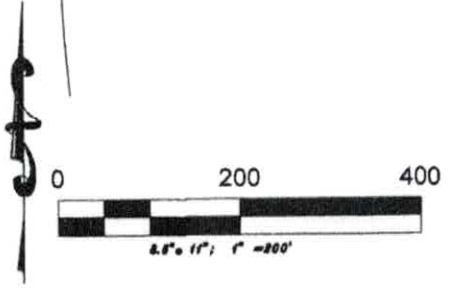
BOUQET CREEK CULVERT

Appendix B – Site Maps



CMP ELEVATION VIEW





9/06/24

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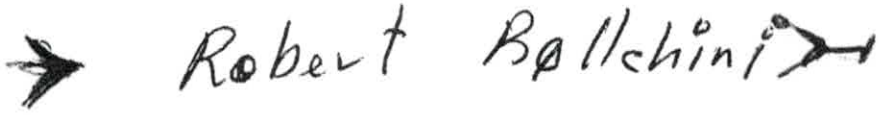
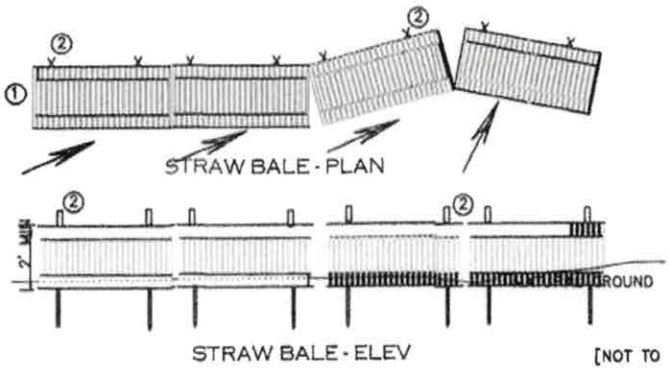

Robert Ballchini

EROSION CONTROL PLANS
BOUQET CREEK CULVERT



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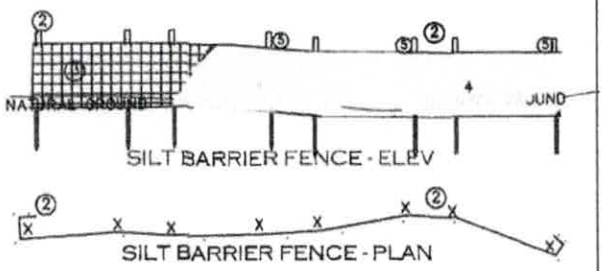

LEGEND

① STRAW BALES – STRINGS TO SIDES BURY 6"
② TEMPORARY WOOD STAKE OR METAL FENCE POST
③ WIRE FENCE 6" GRID MIN 16 GAGE
④ SILT FENCE FILTER FABRIC
⑤ WIRE TOP FILTER FABRIC TO POST

NOTES

A- PLACE EROSION CONTROL BARRIERS ALONG THE SLOPES AT AREAS WHERE EROSION MAY OCCUR OR AS SHOWN ON THE PLANS

B- EROSION CONTROL FENCES TO ALLOW RUNOFF TO PASS THROUGH.

C- THE NEED OF EROSION CONTROL DEVICES TO BE BY DESIGN AND OR BY CONSTRUCTION METHODS AND SEASON OF YEAR.

THE FOLLOWING BMP'S WILL BE UTILIZED ON THIS PROJECT IN THE AREAS AND AS SHOWN ON SHEET 2 AND ITEMIZED BELOW TO HELP PREVENT EROSION AND POLLUTION ONTO NEIGHBORING PROPERTIES AND THE ENVIRONMENT.

BMP # 25 SILT FENCING
A STANDARD 2 FEET HIGH SILT FENCE WILL BE ESTABLISHED ALONG THE SOUTH WEST AND A PORTION OF THE WEST BOUNDARIES.

THIS FENCE WILL BE INSTALLED AND MAINTAINED FOR ONE YEAR.

BMP # 21 INLET PROTECTION

PIPE INLETS WILL BE PROTECTED WITH A FIBER BUNDLE AROUND THE INLET PLACE FIBER BUNDLE FOR 10 FEET AROUND INLET.

BMP # 22 OUTLET PROTECTION

PIPE OUTLET AREAS WILL BE PROTECTED FROM EROSION WITH 1 Cu Yd OF ROCK RIP RAP PLACE AROUND THE PIPE OUTLET.

BMP # 6 DUST CONTROL DURING CONSTRUCTION
WHEN THE SITE IS DRY AND HAS POTENTIAL FOR DUST FROM SITE DISTURBANCES AND OR CONSTRUCTION WORK, THE FOLLOWING DUST CONTROL MEASURES WILL BE TAKEN DURING CONSTRUCTION WORK:

1 – STAGING OF WORK AND LIMITING EXPOSED SOIL AREAS AND WHEN POSSIBLE MAINTAIN, VEGETATIVE GROUND COVER , RESEED OR STABILIZE EXPOSED TOPSOIL AREAS.
2 – SPRINKLE DISTURBED AREAS WITH WATER ON TEMPORARY ROAD AREAS WHERE TRUCKS ARE CROSSING SOIL AREAS.
3 – ESTABLISH WIND BARRIERS FENCING UPWIND OF DISTURBED AREAS.

BMP # 9 VEHICLE / EQUIPMENT MAINTENANCE
A DESIGNATED VEHICLE STORAGE AND MAINTENANCE YARD WILL BE CREATED. THE AREA MAY BE REQUIRED TO BE GRADED AND BERMED. ANY WASTE WATER WILL BE COLLECTED INTO A POND. POLLUTANTS SUCH AS OIL, GREASE, FUELS, ETC. WILL BE COLLECTED IN A LINED POND.

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BOQUET CREEK INLET AREA NEW 24" CMP

BOQUET CREEK PROPOSED NEW 24" CMP AREA

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BOQUET CREEK INLET 18" OLD CROSSING

BOQUET CREEK OUTLET 18" OLD CROSSING

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