

**BEAVER AND SHINGLE CREEK IRRIGATION COMPANY**

**APPLICATION FOR ENCROACHMENT AND CANAL MODIFICATION  
(PLACING IN PIPE, BOX CULVERT OR CHANGE IN ALIGNMENT)  
OR UTILITY CROSSING**

Instructions and Application for Encroachment License Agreement  
to Construct within Canal Right-of-Way

1. Name of Applicant: \_\_\_\_\_  
*(Note: Applicant must be a legal governmental entity or a utility. Developers or individuals are not eligible for an encroachment agreement.)*
  
2. Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
  
3. Contact Person: \_\_\_\_\_
  
4. Telephone Number of Contact Person: \_\_\_\_\_
  
5. Brief Description of Proposed Construction (include location): \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
  
6. Attach three (3) copies of plans/design drawings for the proposed construction. Plans shall include (not all items are applicable for every crossing. Please discuss with company engineer on which items must be included):
  - a. A site plan showing canal structures and location using street numbering or survey data.
  - b. A cross section showing elevation of existing canal, excavated grades, finished grades and proposed facility.
  - c. The location of proposed facility, any permanent structures or existing utilities in relation to canal and toe of canal embankment.
  - d. Minimum compaction for embankment reconstruction (95% Standard Proctor).
  - e. Minimum layback slopes of 2:1 on each side of trench through embankment.
  - f. Slope protection lining (synthetic material of impermeable clay soil) along section of replaced embankment material.
  - g. Blank conduits as required by canal company engineer. Blank conduits are for future utility crossings and require a new application and fee upon use. The length of all conduits shall extend 20 feet from the canal bank or to the edge of the canal right-of-way border, whichever distance is greater. The length of all conduits is measured perpendicular from the canal bank.
  - h. For pipelines—specifications for pipe and carrier pipe. Carrier pipe required unless approval granted for alternative. A welded steel encasement pipe is required for all buried utilities. The length of all casings shall extend 20 feet from the canal bank or to the edge of the

canal right-of-way border, whichever distance is greater. The length of all casings is measured perpendicular from the canal bank.

- i. For box culverts or culvert pipes–wing wall designs and hydraulic computation of design capacity. The capacity shall be equal to or greater than the sum of the flood control design and the canal delivery needs as provided by the company engineer. Designs shall include provisions for seepage cutoff for culvert bridge. Designs shall include provisions for an inlet structure which handles overflow drainage due to plugged pipe or culvert conditions and trash and floating debris. The box culvert or pipe must incorporate features for clean out access of trapped silt or debris and shall be a minimum of six (6) feet high, unless otherwise approved by canal company engineer. Designs must also include the location of all utilities to be installed concurrently with bridge or culvert.
  - j. Provide structural design information which will verify that the structure will perform satisfactorily under appropriate traffic loading.
  - k. Designs shall include provisions for seepage cutoff from canal to utility crossing.
  - l. Provisions for reconstruction or modifications to O&M road. To avoid disruption of canal operation, gates to O&M road should not be specified or installed.
  - m. A driveway approach shall be provided in sidewalks and curbs in line with O&M road
  - n. A description of construction method and sequence including a proposed date for start and completion of construction (work must be performed after October 31 and before April 1 since it cannot interfere with water delivery).
  - o. Description of additional agreements which may be required by city, county or State agencies.
  - p. Engineers estimate of construction costs pertaining to canal modifications.
7. This application must include an application fee in the amount of \$3,500 or 10% of the estimated construction cost, whichever is greater. Applications submitted without the fee will not be reviewed. \$500 of the application fee is refundable upon satisfactory and timely completion of the project at the sole discretion of the Company. The deadline for receipt of the fully completed application for construction to be completed prior to April 1 is February 15. Any applications received after the February 15 deadline may be reviewed but, if approved, construction may not begin until after October 31.
8. This application, plans, and application fee must be submitted to the company engineer at:
- Hansen, Allen & Luce, Inc.  
Orem Office – c/o Brian Andrew  
287 East 950 South  
Orem, Utah 84058  
Telephone: (801) 404-5336  
Fax: (801) 404-5337
9. Review and Approval Process:
- a. The company engineer will date-stamp the application upon receipt and will review the plans/drawings for technical feasibility and impact to the canal.
  - b. The company engineer will forward three sets of plans/drawings and his review comments to the Company.
  - c. If the application is denied, applicant will be notified by mail. If the application is approved, the Company will prepare an Encroachment License Agreement for signature that incorporates the plans/drawings, and engineer's review comments. The License

Agreement will be mailed to the applicant's address (item 2 above) unless otherwise instructed.

- d. The applicant shall sign the original License Agreement and return the original to:

Mr. Duane Lambert  
President, Beaver and Shingle Creek Irrigation Company  
680 West Lambert Lane  
Kamas, Utah 84036

- e. The Company will execute the License Agreement and provide a fully executed copy to the applicant. Receipt of the executed License Agreement shall be authorization to proceed with construction in accordance with the provisions of the License Agreement.

10. The following Company Trustees are available for consultation:

<b><u>Trustee</u></b>	<b><u>Telephone</u></b>	<b><u>Area of Responsibility</u></b>
Duane Lambert	(435) 783-4743	President
David Ure	(435) 783-4650	Vice President
John Blazzard	(435) 783-4550	Trustee
Scott Simpson	(801) 901-9103	Secretary/Watermaster

---

Signature of Applicant