



AUDIT 247850

Consent Letter

May 21, 2008
Folder: 02500-44

**HEATHER EDMUNSON
TRUCKEE MEADOWS WATER AUTHORITY
PO BOX 30013
RENO NV 89520**

RE: Proposed construction of 12 inch water pipeline crossing at Mile Post 1.75, on the Reno Branch/Subdivision, within Valley Road, at or near Reno, Washoe County, Nevada.

Heather:

Please refer to your application notifying the Railroad Company of the above subject construction project within a dedicated public right of way for Truckee Meadows Water Authority (hereinafter the "Utility").

This letter will serve as notification that the engineering information submitted has been reviewed and the Railroad Company approves the proposed crossing and its installation as shown on Exhibit A print. It is understood that the Utility shall reimburse the Railroad Company for all expenses incurred by the Railroad Company for employment of flagmen, inspectors and other employees required to protect the right of way and property of the Railroad Company from damage arising out of and/or from the construction, maintenance, repair, renewal, modification, reconstruction, relocation or removal of the utility line. The Utility shall reimburse the Railroad Company for such expenses within thirty (30) days after presentation of bill for such expenses.

The Railroad Company has authorized the installation of fiber optic cable facilities on its property in certain areas. Prior to using the Railroad Company's property covered herein, you should contact the Railroad Company at 1-800-336-9193 to determine if a fiber optic cable is buried on the subject property. When you or your representative enter the Railroad Company's property, a copy of this letter must be available at the site to be shown on request to any Railroad employee or official.

In order to protect the Railroad Company's property as well as for safety reasons, it is imperative that the Utility notify our Manager Track Maintenance office:

Mr. Bill Sanchez - MTM
Union Pacific Railroad Company
1 South Pyramid Way
Sparks, NV 89431
(775) 356-2619, Cellular (775) 848-4159

Mr. Paul Braden - MSM
Union Pacific Railroad Company
51 Gould Street
Winnemucca, NV 89445
(775) 623-6122

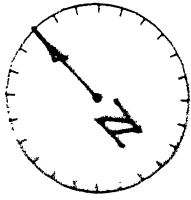
a minimum of ten (10) days in advance of any construction on, along, or across the Railroad Company's right of way and/or tracks.

Sincerely,



Jon E. Devish
Manager - Contracts - Real Estate
(402) 544-8563

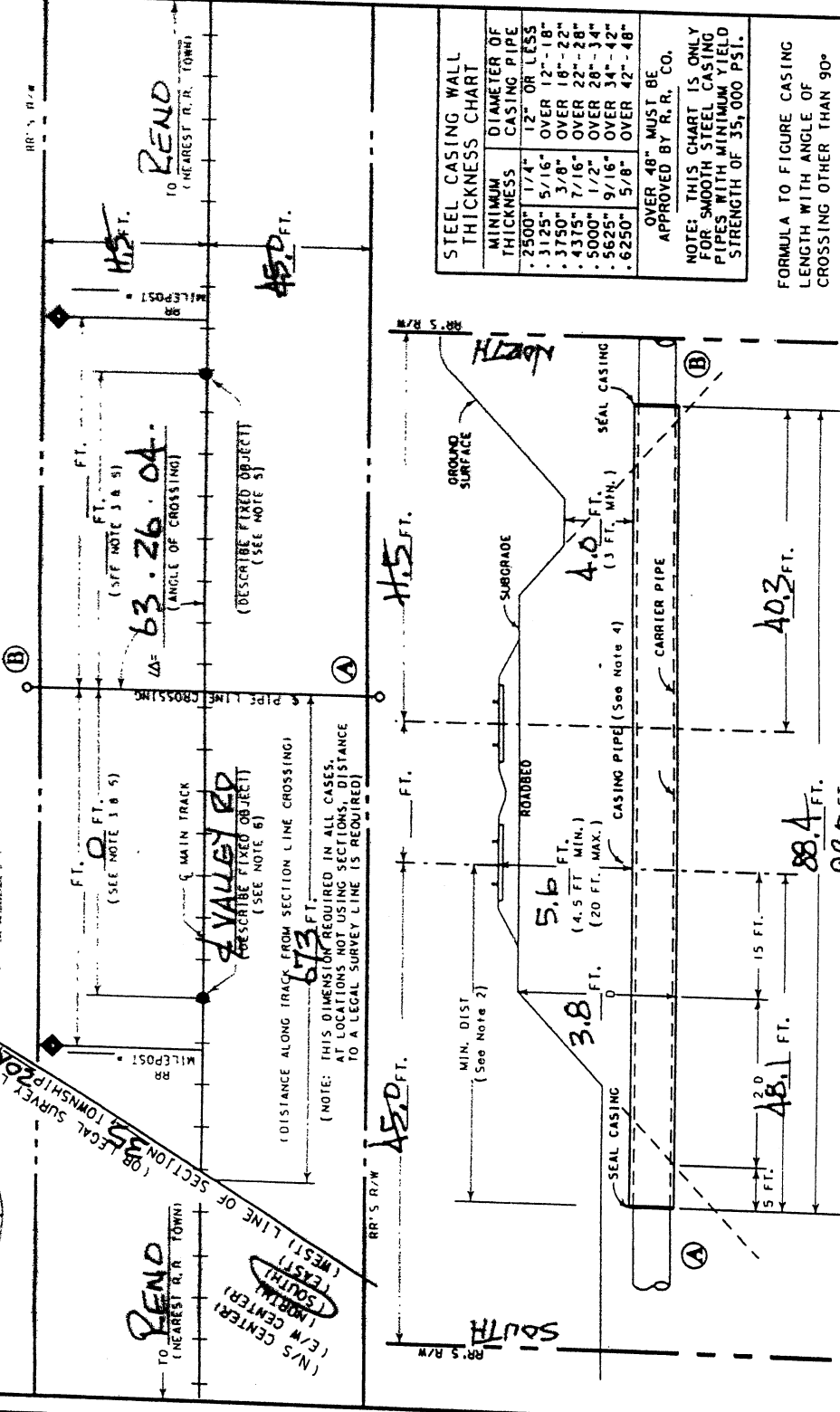
PLACE ARROW INDICATING NORTH DIRECTION RELATIVE TO CROSSING



ENCASED NON-FLAMMABLE PIPELINE CROSSING

NOTE: ALL AVAILABLE DIMENSIONS MUST BE FILLED IN TO PROCESS THIS APPLICATION.

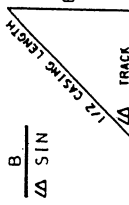
NO SCALE



STEEL CASING WALL THICKNESS CHART		DIAMETER OF CASING PIPE	
MINIMUM THICKNESS	1 1/4"	12" OR LESS	
	1 1/2"	OVER 12" - 18"	
	3/8"	OVER 18" - 22"	
	7/16"	OVER 22" - 28"	
	1/2"	OVER 28" - 34"	
	9/16"	OVER 34" - 42"	
	5/8"	OVER 42" - 48"	

OVER 48" MUST BE APPROVED BY R. R. CO.
NOTE: THIS CHART IS ONLY FOR SMOOTH STEEL CASING PIPES WITH MINIMUM YIELD STRENGTH OF 35,000 PSI.

FORMULA TO FIGURE CASING LENGTH WITH ANGLE OF CROSSING OTHER THAN 90°



- NOTES:
- ALL HORIZONTAL DISTANCES TO BE MEASURED AT RIGHT ANGLES FROM Q OF TRACK.
 - CASING TO EXTEND BEYOND THE Q OF TRACK AT RIGHT ANGLES THE GREATER OF 20' + 20 FT., OR 30 FT., AND BEYOND LIMIT OF RAILROAD RIGHT-OF-WAY IF NECESSARY TO PROVIDE PROPER LENGTH OUTSIDE OF TRACK.
 - MINIMUM OF 50' FROM THE END OF ANY RAILROAD BRIDGE, Q OF ANY CULVERT, OR FROM ANY SWITCHING AREA.
 - SIGNAL REPRESENTATIVE MUST BE PRESENT DURING INSTALLATION IF RAILROAD SIGNALS ARE IN THE VICINITY OF CROSSING.
 - ALLOWABLE FIXED OBJECTS INCLUDE: BACKWALLS OF BRIDGES; Q OF ROAD CROSSINGS & OVERHEAD VIADUCTS (GIVE ROAD NAME), OR CULVERTS.
 - CASING AND CARRIER PIPE MUST BE PLACED A MINIMUM OF 2 FEET BELOW THE EXISTING FIBER OPTIC CABLE. ANY EXCAVATION REQUIRED WITHIN 5 FEET OF THE EXISTING FIBER OPTIC CABLE MUST BE HAND DUG.

- IS PIPELINE CROSSING WITHIN DEDICATED STREET? YES; NO;
- IF YES, NAME OF STREET VALLEY ROAD OR TRANSMISSION LINE _____
- DISTRIBUTION LINE OR TRANSMISSION LINE _____
- CARRIER PIPE: COMMODITY TO BE CONVEYED WATER OPERATING PRESSURE 40 PSI WALL THICKNESS 28; DIAMETER 12; MATERIAL P.L.P.
- CASING PIPE: WALL THICKNESS 50; DIAMETER 24; MATERIAL STEEL
NOTE: CASING MUST HAVE 2" CLEARANCE BETWEEN GREATEST OUTSIDE DIAMETER OF CARRIER PIPE AND INTERIOR DIAMETER OF CASING PIPE. WHEN FURNISHING DIMENSIONS, GIVE OUTSIDE OF CARRIER PIPE AND INSIDE OF CASING PIPE.
METHOD OF INSTALLING CASING PIPE UNDER TRACK(S): DRY BORE AND JACK (WET BORE NOT PERMITTED); TUNNEL; OTHER _____
- WILL CONSTRUCTION BE BY AN OUTSIDE CONTRACTOR? YES; NO;
DISTANCE FROM CENTER LINE OF TRACK TO NEAR FACE OF BORING AND JACKING PITS WHEN MEASURED AT RIGHT ANGLES TO TRACK 36 (30' MIN.)
- APPLICANT HAS CONTACTED 1-800-336-9193, U. P. COMMUNICATION DEPARTMENT, AND HAS DETERMINED FIBER OPTIC CABLE _____ DOES _____ DOES NOT _____ EXIST IN VICINITY OF WORK TO BE PERFORMED. TICKET NO. _____

EXHIBIT "A"

(FOR RAILROAD USE ONLY)

UNION PACIFIC RAILROAD CO.

RENO

(SUBDIVISION)

M. P. 1.75 E. S. 1664+08-1

ENCASED WATER MAIN CROSSING AT RENO WASHOE NEVADA

(NEAREST CITY)

(STATE)

TRUCKEE MEADOWS WATER AUTHORITY (APPLICANT)

RR FILE NO. 2500-44 DATE 5-15-08

WARNING

IN ALL OCCASIONS, U. P. COMMUNICATIONS DEPARTMENT MUST BE CONTACTED IN ADVANCE OF ANY WORK TO DETERMINE EXISTENCE AND LOCATION OF FIBER OPTIC CABLE.
PHONE : 1-800-336-9193