APPLICATION FOR BENEFICIAL WATER USE PERMIT

TECHNICAL ANALYSIS ADDENDUM
ADDITIONAL DITCH SHEET (600-TAA)

ARM 36.12.1303

Answer every question and applicable follow-up questions. Use the checkboxes to denote yes ("Y") or no ("N"). Questions that require items to be submitted to the Department have a submitted ("S") checkbox, which is checked when the required item is attached to the Technical Analysis Addendum Additional Sheet. Label all submitted items with the question number for which they were submitted. Narrative responses that are larger than the space provided can be answered in an attachment. If an attachment is used, mark the see attachment ("A") checkbox on this form and label the attachment with the question number. If no attachment is needed, leave the see attachment ("A) checkbox blank. Constrain narrative responses to the specific question as is asked on the form; do not respond to multiple questions in one narrative. Label units in narrative responses. Responses in the form of a table may be entered into the table provided on this form or in an attachment. Responses in the form of a table that are larger than the table provided on this form should be placed in an attachment. If an attachment is used, the table must have the exact headings found on this form, and the see attachment ("A") checkbox on this form must be marked. For tables on this form, circle correct unit at header of column when table has unit options. For tables in attachments, label all units.

53. For each conveyance ditch, answer the following. If there is more than one conveyance ditch, use an "Additional Ditch Sheet (600-TAA)" for each additional conveyance ditch.

a. What is the ditch name?

_____

b. What is the distance water will be carried by the conveyance ditch? Only include segments between the POD and start of the POU; do not include segments within the POU. ☐ A

_____

_____

_____

_____

c. Provide at least one set of ditch measurements, which include width (FT), depth (FT), and slope (%). Discuss ditch characteristics with DNRC to determine the minimum number of ditch measurements. Include the location of each measurement, labeled with the 2-digit measurement ID number, used on the map submitted for question 52. ☐ A

ID #	Width (FT)	Depth (FT)	Slope (%)	Date of Measurement

d. What is a reasonable Manning's n value? List the factors used for estimation. If you do not know this value, please work through estimation with the Department. _____ _____ _____	☐ A
e. What type of soils compose the proposed conveyance ditch? For lined ditches, write "lined" instead. _____ _____ _____	☐ A
f. Are other water rights conveyed by the conveyance ditch?	☐ Y ☐ N
i. If yes,	
1. List the water right numbers. _____ _____ _____ _____ _____	☐ A
2. What is the sum of the flow rates (GPM or CFS) for water rights conveyed? _____ _____	☐ A
3. Submit a map with your best estimate of where the existing POUs begin for the other water rights conveyed by the conveyance ditch for all POUs between the proposed POD and your proposed POU. Create map on an aerial photograph or topographic map that also includes the following: section corners, township and range, and a north arrow.	☐ S