

Operations Plan

For Temporary Change of Water Right 37-30030

RECEIVED

Brockway Engineering, PLLC
July 25, 2002

JUL 25 2002

Department of Water Resources
Southern Region

Harry S. Rinker recently purchased approximately 25 acres of land with appurtenant water rights 37-522 and 37-523, north of his existing property known as the Peregrine Ranch. The Peregrine Ranch and the recent purchase are shown on the attached site map. The surface rights on the new property have been cut and a temporary change is pending before IDWR to utilize 14.3 acres of surface right 37-30030 (priority date 3/24/1883) on this land for the 2002 season. The temporary change would authorize a diversion from the Big Wood River to the Hiawatha Canal at SW1/4 NW1/4 Section 20, T. 3 N., R. 18 E. The water would be utilized for the 2002 season on a portion of SE1/4 SE1/4 Section 29, T. 3 N., R. 18 E. west of the old railroad grade.

This Operations Plan is required by IDWR to ensure that 1) no more than 14.3 acres will be irrigated, and 2) the flow rate delivered to the new land does not exceed the surface water diversion rate so that no groundwater will be used on the new land.

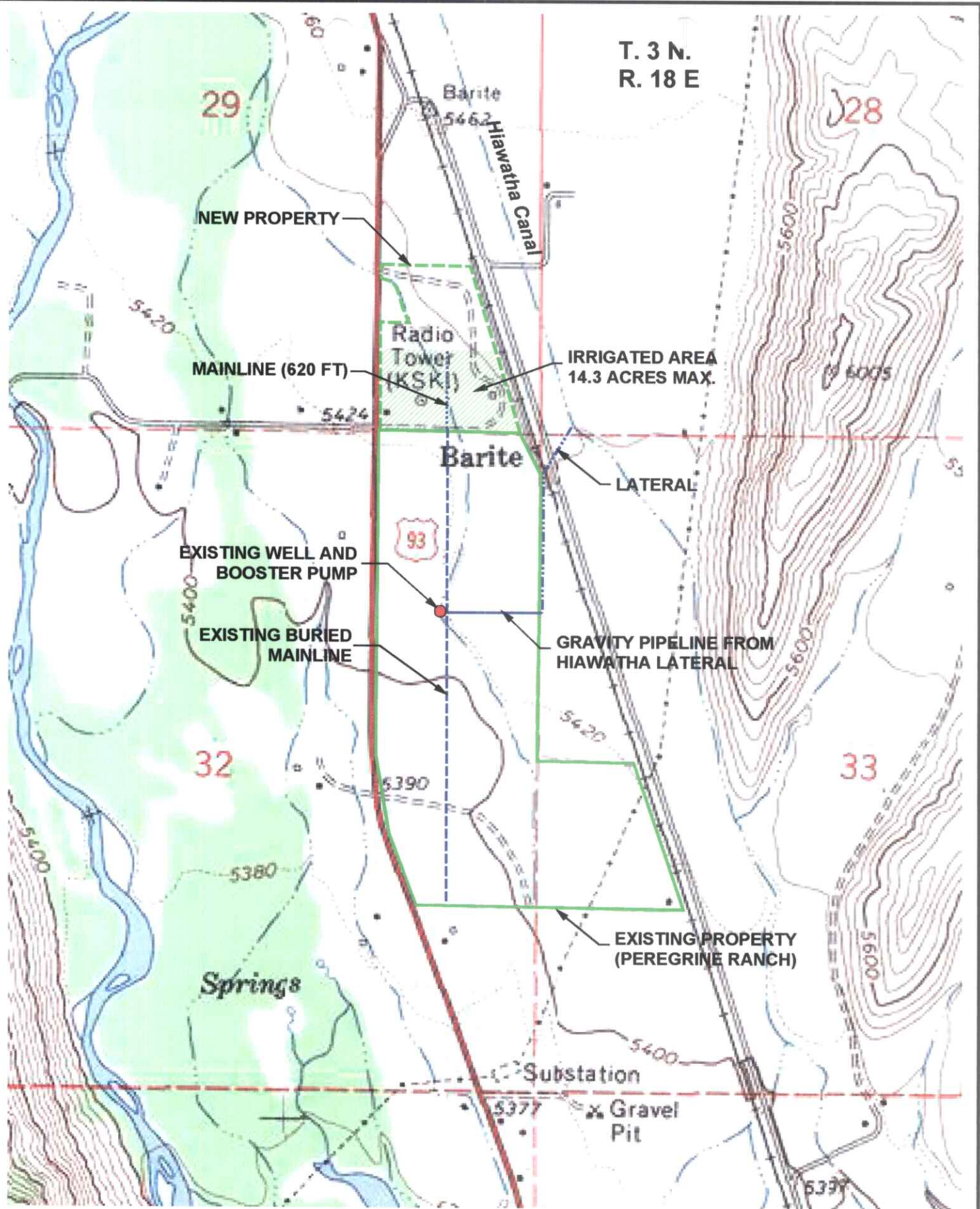
Presently, the Hiawatha Canal and one groundwater well supply irrigation water on the Peregrine Ranch. A pipeline from the canal carries water to a manifold near the well. The well also pumps water to this manifold, and the water is then pressurized by a booster pump. A single mainline with risers runs north-south along the length of the property, and irrigation is accomplished with hand lines. As of July 25, 2002, all surface rights on the Peregrine Ranch have been cut, leaving groundwater as the sole source.

Pursuant to the temporary transfer, it is proposed to extend the mainline north through the new property and irrigate this land with hand lines. The sprinkler heads on the lines will be Rainbird 30H or equivalent, with a 5/32" nozzle. The operating pressure of the system is relatively constant at 45 psi. Under these conditions, the flow rate from each head will be 4.7 gpm (the sprinkler performance charts are attached). 20 heads will be operated at one time, for a total of 94 gpm. The allowed diversion rate on the temporary transfer is 0.22 cfs (99 gpm).

The attached map shows the boundaries of the new property based on legal descriptions contained in the deed documents. The gross area of the land is 25.13 acres. To ensure that no more than 14.3 acres are irrigated, the new main line will extend no more than 620 feet north of the south boundary of the new property. This is indicated on the map. With a mainline of this length, the irrigated acreage will not exceed 14.3 acres.

MICHAEL J. RINKER

JUN 02 2002

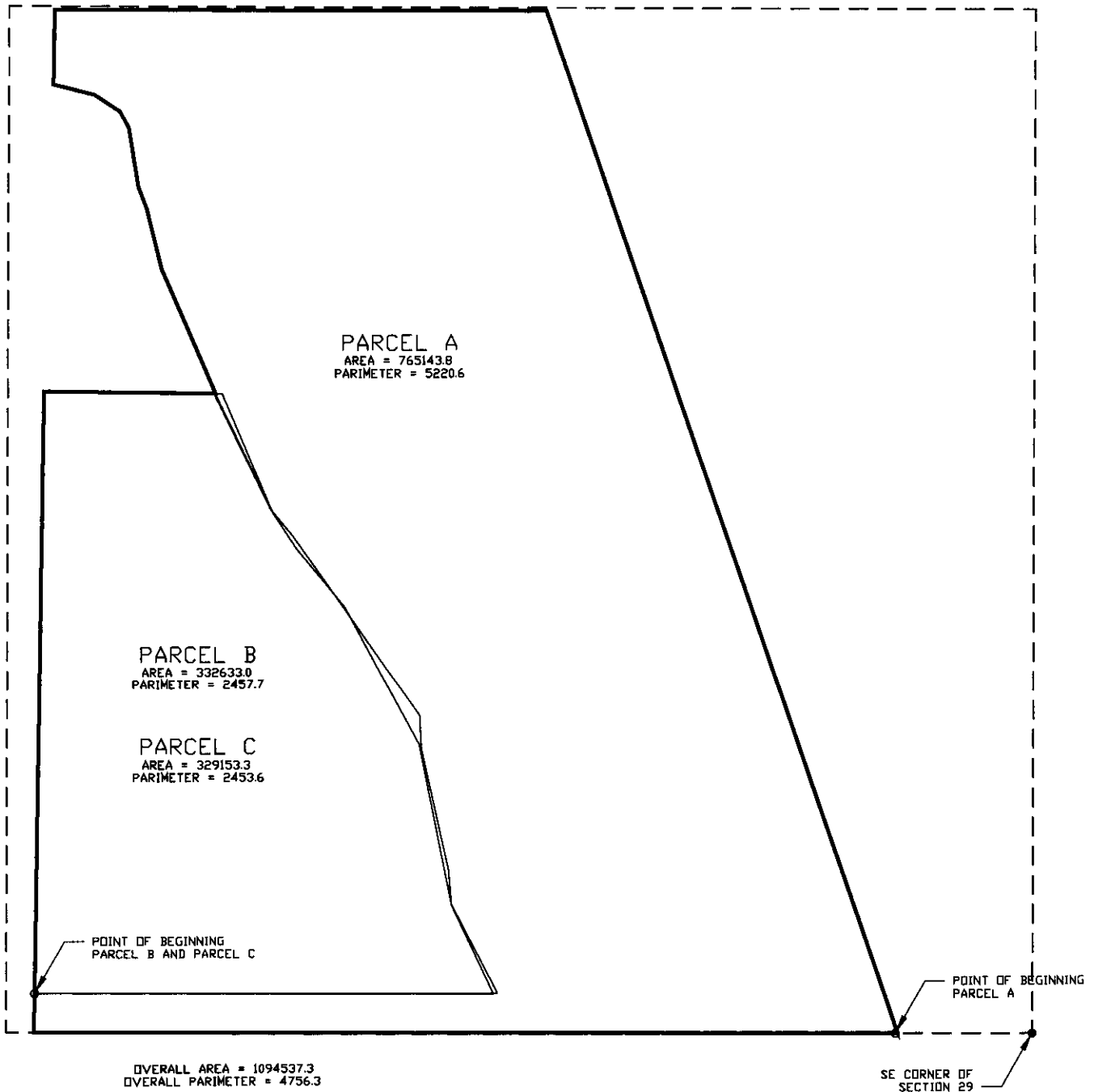


**SITE PLAN - TEMPORARY TRANSFER OF 37-30030
HARRY RINKER**

Brockway Engineering, PLLC
July 25, 2002

MICRO, INC.

JUN 02 2004



T.3N., R.18E., Section 29, SE $\frac{1}{4}$ SE $\frac{1}{4}$

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BROCKWAY ENGINEERING, PLLC

HYDRAULICS - HYDROLOGY - WATER RESOURCES

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RECENTLY PURCHASED PROPERTY

HARRY RINKER

PROJECT #

DWG # REV

