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BACKFILL EXISTING TRENCH WITH NATIVE MATERIALS	UTILITY POLE   GUY WIRE   GAS LINE MARKER   GAS VALVE   W   W   WATER METER   WATER FAUCET   WATER LINE MARKER   ELECTRIC TRANSFORMER   TREE	J&T Consulting, In 1400 W 122nd Avenue - Suite 120 Westminster, CO 80234 Ph: 303-457-0735 Fax: 303-920-0343 www.j-tconsulting.com
4.0' SAND AND GRAVEL ALLUVIUM .05' (TYP.) 3' 4' L (TYPICAL SECTION IF REQUIRED) N.T.S.	Image: Telephone pedestal         Image: Telephone line marker         Image: Telephone line marker         PROPERTY LINE         Image: Telephone line marker         PROPERTY LINE         Image: Telephone line marker         PROPERTY LINE         Image: Telephone line marker         Image: Telephone line line line         Image: Telephone line line line         Image: Telephone line line line         Image: Telephone line         Image: Telephone line line         Image: Telephone line         Image: Telephone line         Image:	<b>Exhibit F</b> Reclamation Plan Map
AREA TABULATION: CONSTRUCTION YARD: 3.37 AC DAD: 3.25 AC POND: 0.14 AC AC	BASE COURSE SURFACED CONSTRUCTION YARD BASE COURSE ACCESS ROAD SEEDED AREA 10' + 3 + 0 + 5 + 0 + 0 + 0 + 0 + 0 + 0 + 0 + 0	Journey Ventures, LLC Journey Ventures Pit M-2008-080
<ul> <li>SUPPENT PARTIES NOTES IN THE STATE STAT</li></ul>	<ul> <li>6. Soil-Bentonite Backfill Specifications S-B backfill slump ASTM C 143 1 set per 100 cu. yds.</li> <li>Slump 2-6 inches</li> <li>S-B backfill gradation 1 set per 300 cu. yds.</li> <li>Screen (US Standard) Percent by Dry Weight 3 inch 100 #44 40-80 #40 25-60 #200 20-40</li> <li>Minimum Plasticity Index of 10</li> <li>7. Key Trench and Slurry Wall Cap Specifications During excavation, soundings should be obtained to determine the elevations of the top of the key layer, the bottom of the excavation, and the bottom of the trench prior to backfilling. If sediments in excess of 2 inches have accumulated it is necessary to clean the trench bottom by airlift pumps or excavation equipment to remove the sand and sediment that has settled. The trench bottom should be cleaned, as a minimum, at the beginning of each shift. Soundings should be obtained approximately every 20 feet.</li> <li>Adequate keying in the S-B backfill to an impermeable layer at the base of the wall will be required and specified in the final description of the key in layer and describe how trench cuttings or other observations will be used to assure that the slurry wall will be adequately keyed. Temporary slurry wall protection will be required in the form of a noncompacted soil cover placed within on eday over each backfilled 100 foot reach. The temporary cover is removed after settlement (approximately 2 weeks) and replaced with a compacted clay cover over the completed slurry wall.</li> <li>Post construction testing will be conducted in accordance with the "Colorado State Engineer's Office."</li> <li>Above specifications (notes 1-8) are provided as a general guideline for permitting purposes. Final specifications on design criteria will be developed during the final design of the slurry wall.</li> </ul>	Job #       O7113         Job #       O7113         Date       9/15/08         Job #       O7113         Date       9/15/08         Job #       O7113         Date       9/15/08         Date       9/15/08         Drawn By       WSS         Designed By       TPY         Checked By       JCY         File       JT-Reclamation         Scale       1" = 200'         Sheet:       Of:         Image: The section of the section of the section         Scale       1" = 200'

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BACKFILL EXISTING TRENCH WITH NATIVE MATERIALS		
.5' TYP.	<ul> <li>UTILITY POLE</li> <li>GUY WIRE</li> <li>GAS LINE MARKER</li> <li>GAS VALVE</li> <li>WATER METER</li> <li>WATER FAUCET</li> <li>WATER LINE MARKER</li> <li>ELECTRIC TRANSFORMER</li> <li>TREE</li> </ul>	<b>J&amp;T Consulting,</b> 1400 W 122nd Avenue - Suite 120 Westminster, CO 80234 Ph: 303-457-0735 Fax: 303-920-0343 www.j-tconsulting.com
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<ul> <li>SLURRY WALL NOTES:</li> <li>1. Bentonite Specifications YP/PV ratio API Std. 13A Viscometer Greater than 30 Filtrate Loss</li> <li>Filtrate Loss</li> <li>Moisture Content ASTM D 2216</li> <li>Less than 10 percent</li> <li>Test results for each lot of bentonite must be provided.</li> <li>2. Water Specifications pH</li> <li>6-8 Hardness</li> <li>Less than 200 ppm</li> <li>Total Dissolved Solids</li> <li>Less than 500ppm</li> <li>Oil, organics, acids, alkali</li> <li>Less than 50 ppm each choirde</li> <li>3. Bentonite Slurry General Specifications</li> <li>The initial bentonite slurry must be tested prior to placement in the trench. The slurry may be mixed in high shear mixers or mixed and hydrated in slurry hydration ponds. In general, a minimum hydration time of 8 hours will allow the bentonite slurry to meet all criteria. A minimum bentonite content of 6 percent i the slurry by weight is required.</li> <li>4. Bentonite Slurry Testing Specifications before Placement Viscosity</li> <li>Less than 64 pcf</li> <li>Filtrate Loss</li> <li>Less than 20 cm3 pH</li> <li>6.5 to 10</li> <li>The tests listed above should be run 1 or 2 times per shift and at least once per batch of slurry. The slurry must be further tested after placement in the trench. The tests conducted are for viscosity, density, sand content, and pH. Two sets of tests per shift at two locations in the trench (approximately 2 feet below the slurry surface and 2 feet above the bottom of the trench) are required. If the density of the slurry in the trench exceeds &amp; pof the excees solids must be removed by desanding or the slur replaced with fresh slury. The slurry level must be maintained at least 3 feet above the ground water elevation and no more than 2 feet below the top of the working platform.</li> <li>5. Bentonite Slurry Testing Specifications after Placement Unit Weight 1.03 to 1.40 gm/cm3 Sand C</li></ul>	Minimum Plasticity Index of 10 7. <u>Key Trench and Slurry Wall Cap Specifications</u> During excavation, soundings should be obtained to determine the elevations of the top of the key layer, the bottom of the excavation, and the bottom of the trench prior to backfilling. If sediments in excess of 2 inches have accumulated it is necessary to clean the trench bottom by airlift pumps or excavation equipment to remove the sand and sediment that has settled. The trench bottom should be cleaned, as a minimum, at the beginning of each shift. Soundings should be obtained approximately every 20 feet. Adequate keying in the S-B backfill to an impermeable layer at the base of the wall will be required and specified in the final design report for the slurry wall. The design documents will include a description of the key in layer and describe how trench cuttings or other observations will be used to assure that the slurry wall will be adequately keyed. Temporary slurry wall protection will be required in the form of a noncompacted soil cover placed within one day over each backfilled 100 foot reach. The temporary cover is removed after settlement (approximately 2 weeks) and replaced with a compacted clay cover over the completed slurry wall. 8. <u>Post Construction Testing</u> Post construction testing will be conducted in accordance with the "Or Botto Construction testing will be conducted in accordance with the "Or Botto Construction testing will be conducted in accordance with the "Or Botto Construction testing will be conducted in accordance with the "Or Botto Construction testing will be conducted in accordance with the "Or Botto Construction testing will be conducted in accordance with the "Or Botto Construction testing will be conducted in accordance with the "Or Botto Construction testing will be conducted in accordance with the "Or Botto Construction testing will be conducted in accordance with the "Or Botto Construction testing will be conducted in accordance with the "Or Botto Construction	Job #       Original Base         Job #       07113         Job #       07113         Job #       07113         Job #       07113         Date       9/15/08         Job #       07113         Date       9/15/08         Drawn By       WSS         Designed By       TPY         Checked By       JCY         File       JT-Reclamation         Scale       1" = 200'