

APPENDIX O

Site Selection Matrix

Selection Criteria:	Brook Hollow Ranch	Hollister Municipal Airport	Pacific Sod Farm	Riverside Park	San Juan Oaks Golf Club	Guerra Property	Tobias/Pura Property
1. Areas that have been offered by landowner or others	Willing landowner	Part City owned, part willing landowner.	Willing landowner	Willing landowner	Willing landowner	Willing landowner	Willing landowner
2. Reasonable proximity to DWTP. Reasonable generally defined as within 15 to 20 miles (Suggest deleting last sentence).	5.8 miles. (N. pipeline route) 3.9 miles. (S. pipeline route)	6 miles.	0.8 to 2 miles (depending on route selected).	0.75 miles.	2.7 miles.	5.5+ miles (does not include pipelines on site)	Approx. 12 miles (does not include pipelines on site)
3. Current or planned land use. Priority will be given to land uses (such as golf courses, sod farms, grazing lands) that can accommodate water.	Grazing	Public facilities, agriculture	Agriculture	Proposed public recreation	Recreation, residential	Grazing, Agriculture	Agricultural
4. Practicality of including area. This criterion includes: engineering aspects such as pumping elevation, piping components, topographic constraints, such as steepness and run-off issues, and accessibility. <i>Suggested Specific Criteria:</i> <i>a. Slope</i> <i>b. Drainage - Surface and subsurface conditions</i> <i>c. Restrictive soil horizons</i> <i>d. Soil Chemical Features</i> <i>e. Soil Physical Features</i> <i>f. Site Elevation / Relative to DWTP (243)</i> <i>g. Pipeline High Point Elevation / Relative to DWTP</i> <i>h. Pump Size (duty only)</i> <i>i. Onsite tanks and pumps</i>	0-10% Slopes present at site will require good surface drainage management. Soil restrictive horizons unknown at this time. Unknown at this time. Grading may be required. 260 / 17 ft. - North Subarea 330 / 87 ft. - South Subarea 275 / 32 ft. - north route (if only north subarea is served) 330 / 87 ft. - south route 270 hp at 60 psi (north route) 240 hp at 60 psi (south route) TBD	Negligible Irrigation scheduling will suffice to control both surface and internal drainage considerations Soil restrictive horizons unknown at this time. Unknown at this time. Minor grading may be required. 240 / -3 ft. 275 / 32 ft. 220 hp at ??? TBD	Negligible Irrigation scheduling will need to be closely managed to avoid excessive leaching. No restrictive horizons are likely to exist at Sod Farm site. Unknown at this time. Site use already exists and will not be physically modified. 250 / 7 ft. 250 / 7 ft. 175 hp at 60 psi 50 hp to existing pond Existing pond	Negligible Irrigation scheduling will need to be closely managed to avoid excessive leaching. Soil restrictive horizons unknown at this time. Unknown at this time. Substantial site modification would occur with import of fill from DWTP site. 285 / 42 ft. 260 / 17 ft. Service from DWTP pump No storage	Negligible Existing management considerations would be maintained. Site use already exists and will not be physically modified. Unknown at this time. Site use already exists and will not be physically modified. 280 / 37 ft. 280 / 37 ft. 47 hp to existing pond Existing pond	Generally 5-10%, steeper slopes along drainages. Slopes present at site will require good surface drainage management. Soil restrictive horizons unknown at this time. Unknown at this time. Grading may be required. 440 / 160 ft. 440 / 160 ft. Unknown TBD	Generally 0-10%, with hillsides of 10-20% Slopes present at site will require good surface drainage management. Soil restrictive horizons unknown at this time. Unknown at this time. Grading may be required. 650 / 407 ft. 718 / 475 ft. Unknown TBD
5. Must be consistent with the terms of the MOU dated December 15, 2004							
6. Selected area must accommodate 500 to 800 acres of disposal (sprayfield) area. (Gross/Net) <i>Suggested amendment: Total selected area must provide 0.72 MGD / 803 AFY (peak year: 2013)</i>	302 gross acres / 272 net acres (north subarea - 166, south subarea - 106) 1.04 MGD / 1,165 AFY - Avg. Yr. 0.99 MGD / 1,108 AFY - 95% Yr.	541 gross acres / 382 net acres 1.43 MGD / 1,602 AFY - Avg. Yr. 1.36 MGD / 1,523 AFY - 95% Yr.	261 acres 0.88 MGD / 986 AFY - Avg. Yr. 0.82 MGD / 918 AFY - 95% Yr.	50 gross acres / 45 net acres 0.15 MGD / 168 AFY - Avg. Yr. 0.14 MGD / 157 AFY - 95% Yr.	1,993 gross acres/ 120 net acres 0.40 MGD / 448 AFY - Avg. Yr. 0.38 MGD / 426 AFY - 95% Yr.	Approx. 626 gross acres TBD	Approx. 584 gross acres TBD
7. Consider water quality, quantity and groundwater level impacts to San Juan Valley.	Located outside of San Juan Valley - no impacts would occur.	Located outside of San Juan Valley - no impacts would occur.	Would potentially increase water import to SJV basin by approx. 197 AFY (20% deep percolation); quality impacts expected to be negligible due to existing irrigation water quality. SUBJECT TO VERIFICATION	Due to proximity to San Benito River, percolation could contribute up to 34 AFY to SJV basin inflow (approx. 2,500 AFY underflow in project area). Negligible quantity and quality impacts. SUBJECT TO VERIFICATION	Located within San Juan Valley basin; however reclaimed water would replace CVP water, so there would be no change in existing import/export balance.	Located outside of San Juan Valley - no impacts would occur.	Located outside of San Juan Valley - no impacts would occur.
8. Consider applicability of areas for long-term disposal plan to extent practical.	Suitable for irrigation of pasture and crops.	Agricultural areas suitable for crop irrigation; airport irrigation would be a suitable but low value use.	Suitable for long-term agricultural irrigation use.	Suitable for long-term park irrigation.	Suitable for long-term golf course and general landscape irrigation.	Suitable for long-term agricultural irrigation use.	Suitable for long-term agricultural irrigation use.

Selection Criteria:	Brook Hollow Ranch	Hollister Municipal Airport	Pacific Sod Farm	Riverside Park	San Juan Oaks Golf Club	Guerra Property	Tobias/Pura Property
<p>9. Consider impact to high groundwater areas.</p>	<p>High groundwater is not a significant concern in the area.</p>	<p>High groundwater is a concern in the area due to rising groundwater levels. Sprayfield impacts are expected to be minor (0.5 feet or less).</p>	<p>High groundwater is a concern in the area. Potential increase to SJV may need to be offset by reduced DWTP/IWTP percolation, decreased CVP import, or offsetting municipal groundwater use.</p>	<p>High groundwater is a concern in the area; however, project impacts would be negligible due to small amount of percolation from sprayfield.</p>	<p>High groundwater is not a significant concern in the area. Project impacts would be negligible due to minor changes in existing irrigation practice.</p>	<p>Unknown</p>	<p>Unknown</p>
<p>10. Environmental Concerns (suggested additional criterion)</p>	<p>North subarea has potential habitat for tiger salamander (FT), red-legged frog (FT), and other special status animal and plant species. May require formal USFWS/DFG consultation and permitting. Swale/channel would require approx. 100 ft. setback.</p> <p>South subarea has potential habitat for longhorn and vernal pool fairy shrimp species (FE,FT), red-legged frog (FT), and other special status animal and plant species. Vernal pools/swales would require approx. 100 ft. setback, playa would require approx. 250 ft. setback.</p>	<p>Minor swale/wetland features need to be avoided. California tiger salamander (FT) found on site. No breeding habitat for the salamander located on site, however a portion of the site may need to be excluded to avoid permitting with USFWS.</p>	<p>No significant concerns - project would be a continuation of existing land uses.</p>	<p>The site provides marginal San Joaquin kit fox (FE) habitat. This will likely be addressed through a pre-construction survey and construction precautions. Pre-construction bird surveys would also be required if construction occurs in the nesting season.</p> <p>Import of 250,000 CY of fill could alter local hydrology and result in the increase of flood elevations adjacent to the project site (RMC conducting drainage study).</p>	<p>While several protected species are present on the site, no significant environmental impacts are expected as the project would be a continuation of existing land uses.</p>	<p>There are 3 reported occurrences of California Tiger Salamander (FT), and 2 reported occurrences of California red-legged frog (FT) on the site. The site is designated as Critical Habitat for the California tiger salamander. Would likely require formal USFWS/DFG consultation and permitting.</p>	<p>Several protected species are known to occur in the vicinity including California tiger salamander, California red-legged frog, and San Joaquin kit fox. On-site surveys required to determine presence of protected species. May require formal USFWS/DFG consultation and permitting.</p>
<p>11. Other Considerations (suggested additional criterion)</p>	<p>Owner/Operator coordination - water quality, connection points Limited construction corridor on Buena Vista west of SR 156 (S. pipeline route) Elevated storage siting. Easement or Caltrans Longitudinal Encroachment (N. pipeline route)</p>	<p>Construction Schedule FAA Requirements Subarea Owner Coordination Easement or Caltrans Longitudinal Encroachment</p>	<p>Owner/Operator coordination - water quality, connection points CVP blending?</p>		<p>Owner/Operator coordination - water quality, connection points CVP blending?</p>		