



Hidden Valley Water Tank Project



Washoe County Open Space and Regional Park Commission
August 3, 2021

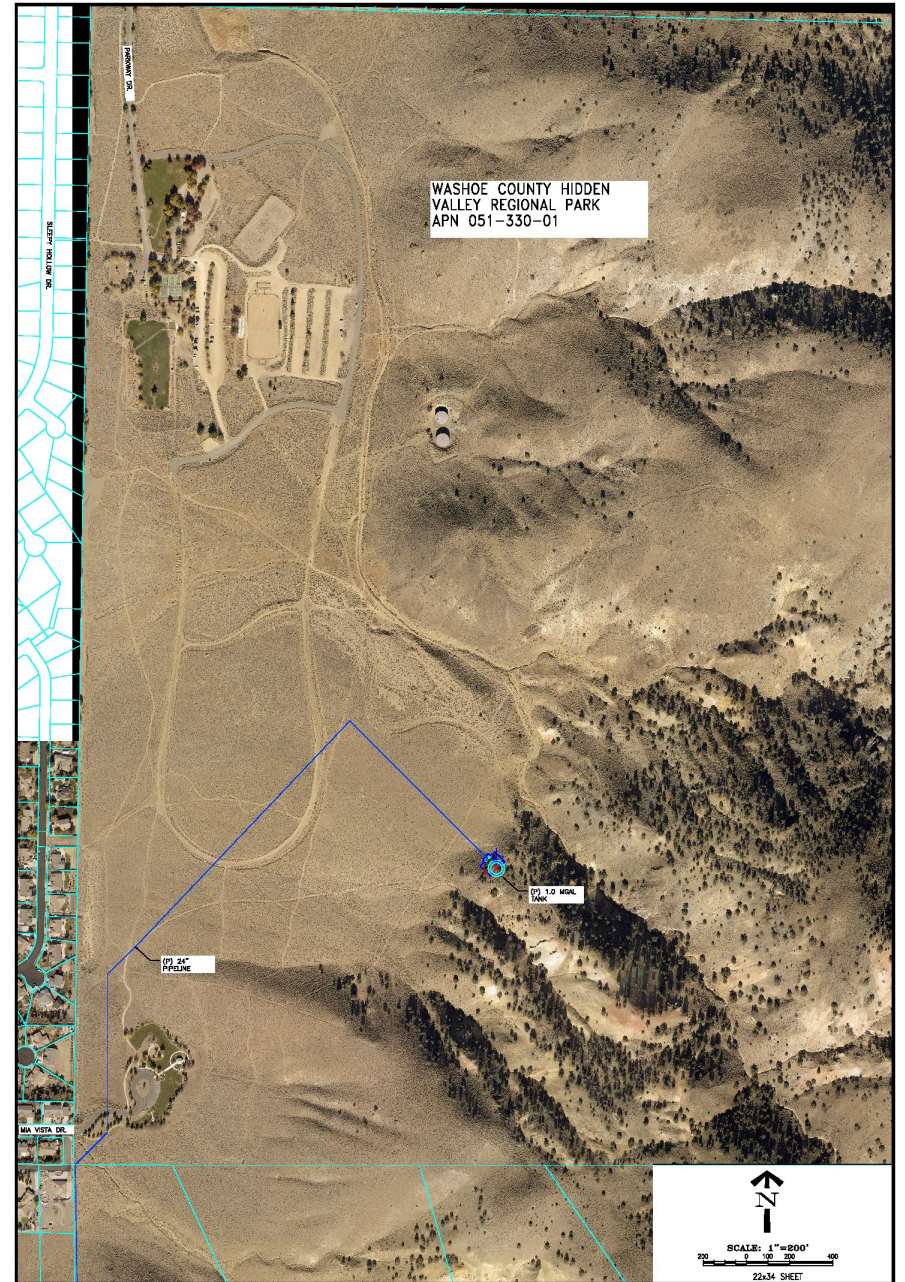


Project Elements

- One-million-gallon water storage tank
 - 77 feet in diameter and 36.5 feet tall
 - Partially buried, reinforced concrete tank
- Tank access road
 - 15 feet wide
 - Total disturbed area for the tank and access road would be ± 2.5 acres, of which ± 1.6 acres would be revegetated.
- Pipeline to connect the new tank to the STMWRF and the park's irrigation system
 - 24-inch pipeline
 - Approximately 3,400 feet long
 - Total disturbed area for the pipeline would be ± 2.4 acres. This entire area would be revegetated.



Tank Site

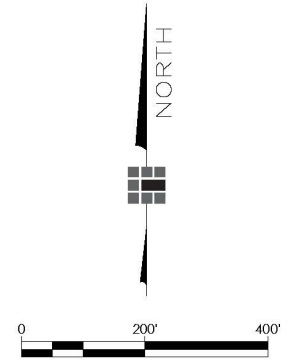


775-223-0822
586 CITADEL WAY
RENO, NV 89503

WASHOE COUNTY COMMUNITY SERVICES
PROPOSED RECLAIM FACILITY
ADDITIONS - HIDDEN VALLEY REGIONAL PARK

DATE: _____
DRAWN BY: _____
WORK ORDER #: _____
SCALE: 1" = 200'

EXHIBIT
A



JANUARY 2021



HIDDEN VALLEY TANK PLANNING
PRE-STRESSED CONCRETE TANK
(OVERALL SITE LAYOUT)



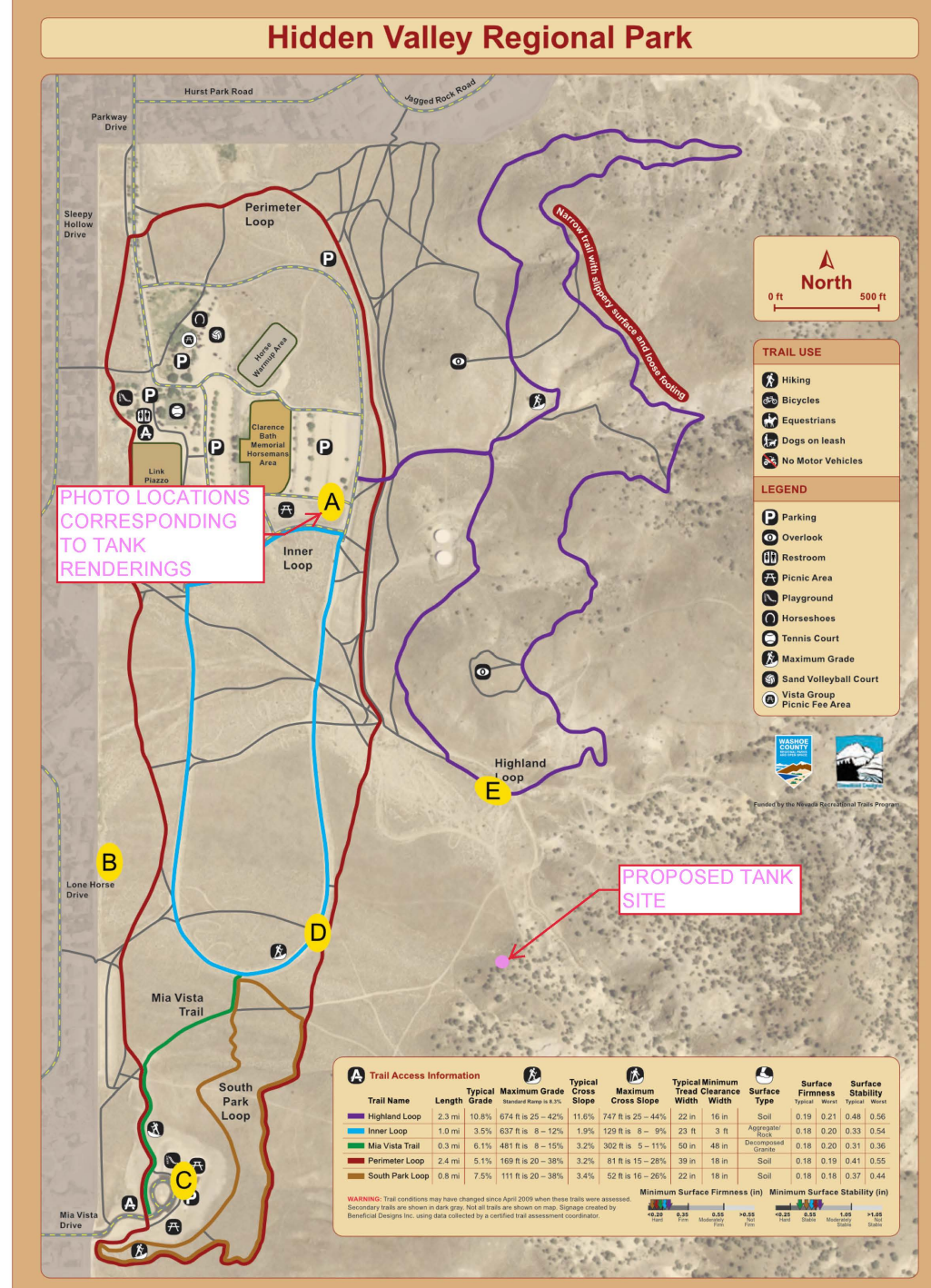
Updated Project Elements

- Retaining wall – 30' tall at its highest point to about 1' tall at its lowest point
- Cut slope – 75' of cut slope behind or to the east of the tank
 - Tank height – Approximately 36.5'



Tank Renderings

- Site A – From the parking lot by the horse arena.
- Site B – From the park boundary to the west near the closest homes.
- Site C – From the playground in the southern portion of the park.
- Site D – From the closest point on the Inner Loop Trail.
- Site E – From the closest point on the Highland Loop Trail.





Tank Renderings – Site A (Parking Lot by Horse Arena)



Hidden Valley Tank Rendering
Site View: A



Tank Renderings – Site B (Homes to the West)





Tank Renderings – Site C (Playground in South of Park)



TANK NOT VISIBLE

Hidden Valley Tank Rendering
Site View: C



Tank Renderings – Site D (Inner Loop Trail)



Hidden Valley Tank Rendering
Site View: D



Tank Renderings – Site E (Highland Loop Trail)



Hidden Valley Tank Rendering
Site View: E



Park Benefits

- Onsite reclaim water offers the ability to expand green areas within the park at a lower cost.
- Irrigating with reclaim water maximizes an existing resource and preserves potable water.
- Converting existing irrigation to reclaim water has a lower monthly/annual cost and allows for potential expanded irrigated areas.
- Existing potable water rights may be reviewed for options.



