

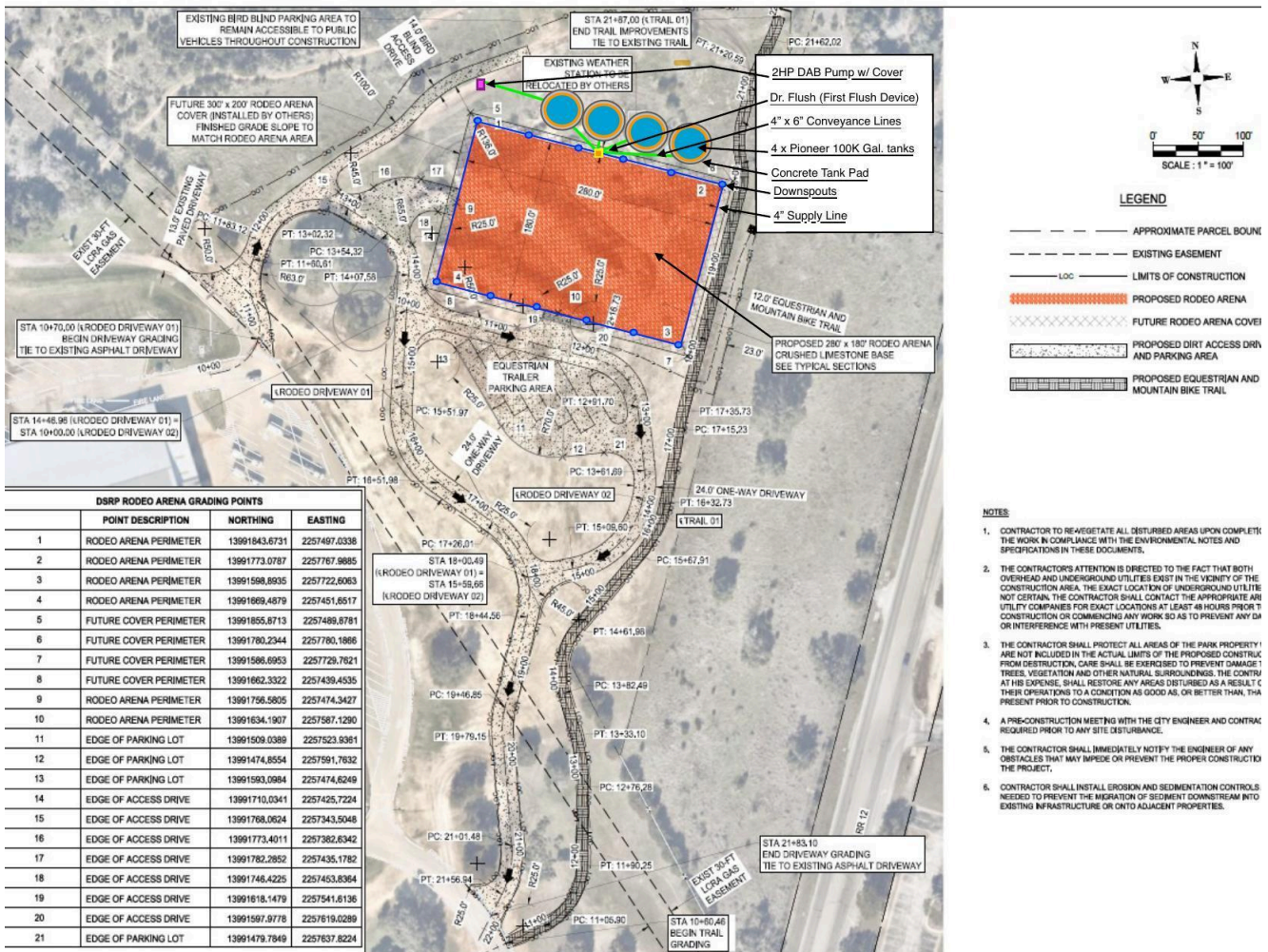
DSRP Rainwater Collection System

DSRP Outdoor Arena · Dripping Rainwater System Design

WATER OFFSET ANALYSIS - BASED ON 2025 WATER AUDIT REPORT USAGE

927,200 gal Annual water usage (2025)	1,043,000 gal DRW projected annual yield	112% Offset coverage	~\$12,900 Est. annual savings
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SYSTEM LAYOUT - DSRP OUTDOOR ARENA SITE PLAN



Scale: 1" = 100' · PRELIMINARY — Not for construction. All estimates subject to final site survey and engineering review.

SYSTEM SPECIFICATIONS

Catchment area	50,400 sq ft (280' × 180' metal roof)
Annual yield (updated)	1,043,000 gallons / year
Storage capacity	400,000 gal — 4× Pioneer 100K tanks, in-line row
Dry-season buffer	5.2 months at average 2025 demand
Tank placement	North of arena; gravity-feed configuration
Water treatment	Dr. Flush first-flush diverter + 2HP DAB pump
Conveyance	4" × 6" lines; 4" supply line
System type	Non-potable (irrigation, dust suppression, maintenance)
Grant program	TWDB WSIG / HB 500 — application window March–July 2026

MONTHLY USAGE VS. DRW YIELD (2025 BASELINE)

Month	Usage (gal)	DRW yield (gal)	Net (gal)	Water cost	Cost offset
Jan 2025	89,200	72,122	-17,078	\$1,067	\$863
Feb 2025	36,200	55,479	+19,279	\$433	\$433
Mar 2025	48,500	94,314	+45,814	\$580	\$580
Apr 2025	68,600	99,862	+31,262	\$820	\$820
May 2025	94,000	110,957	+16,957	\$1,124	\$1,124
Jun 2025	56,000	83,218	+27,218	\$670	\$670
Jul 2025	62,600	83,218	+20,618	\$749	\$749
Aug 2025	63,200	83,218	+20,018	\$756	\$756
Sep 2025	70,900	94,314	+23,414	\$848	\$848
Oct 2025	72,800	99,862	+27,062	\$871	\$871
Nov 2025	81,400	88,766	+7,366	\$974	\$974
Dec 2025	62,600	77,670	+15,070	\$749	\$749
Full year	927,200	1,043,000	+115,800	\$11,090	\$11,090

WHY THIS MATTERS FOR DSRP

- **Water cost reduction:** On-site rainwater eliminates purchased-water costs for eligible uses (arena watering, grounds maintenance)
- **Drought resilience:** 5.6-month dry-season buffer means operational continuity even during Stage 3–4 drought restrictions
- **Infrastructure longevity:** Reduces wear on city water infrastructure; consistent non-potable supply for park operations
- **Community signal:** Positions DSRP as a sustainability leader in the Hill Country — consistent with the city's conservation priorities

FUNDING PATHWAY - NO COST TO THE CITY

This project is well-suited for the Water Supply Infrastructure Grant (WSIG) program administered by the Texas Water Development Board (TWDB), established under HB 500. Eligible costs include tanks, piping, site preparation, installation labor, and design fees.

Application window March – July 2026(current cycle — timing is now)	Ready-to-proceed bonus 10 additional scoring points with completed preliminary design	DRW role Prepare and support City's grant application at no upfront charge
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