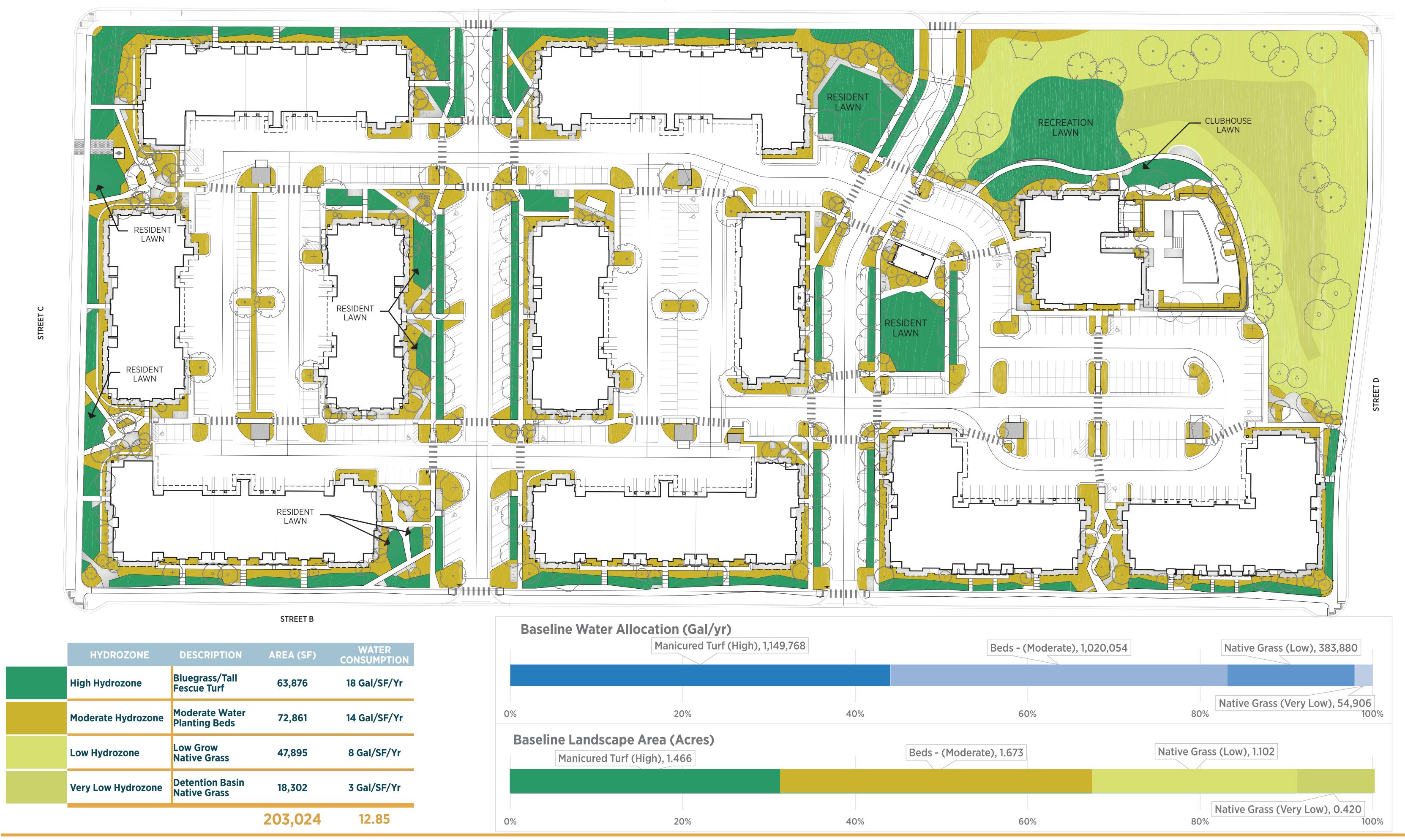


CONTENTS

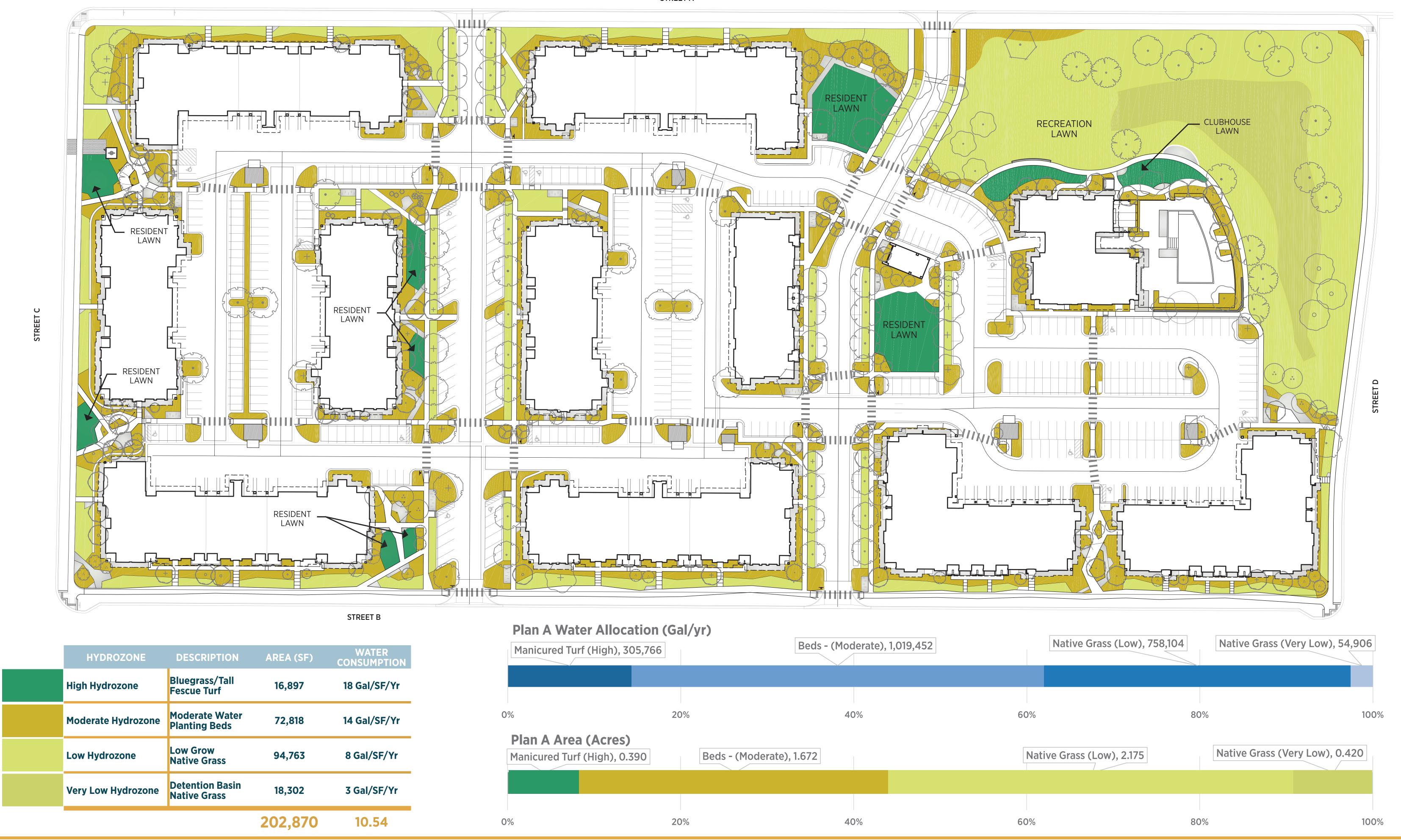
- **01** Baseline Landscape Plan
- O2 Low Water Use Landscape Type A
- O3 Low Water Use Landscape Type B
- **04** Summary Data
- O5 Cost Estimates + Assumptions

FORT COLLINS COMMERCIAL LANDSCAPE DEVELOPMENT STANDARDS

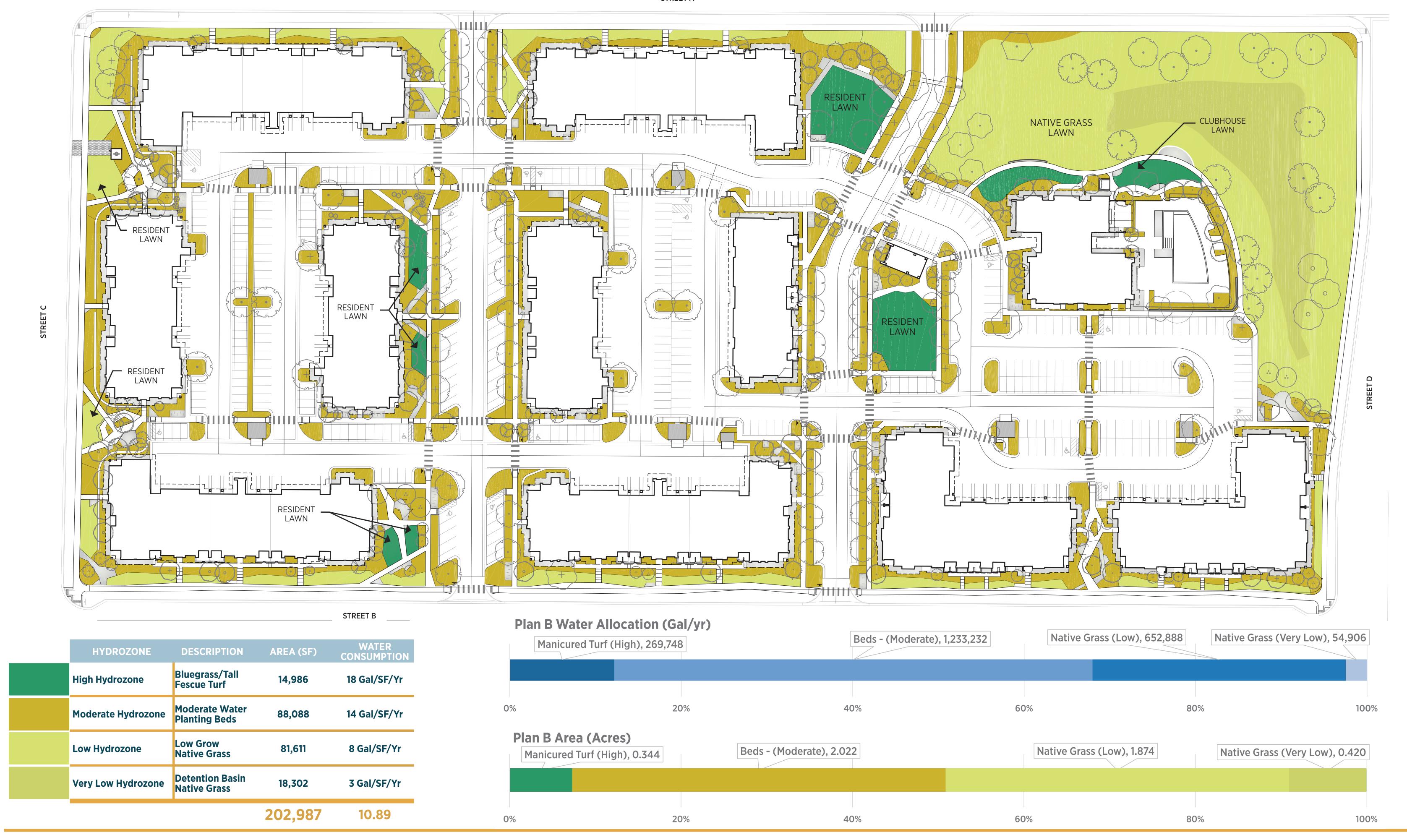
Multifamily Landscape & Irrigation Analysis









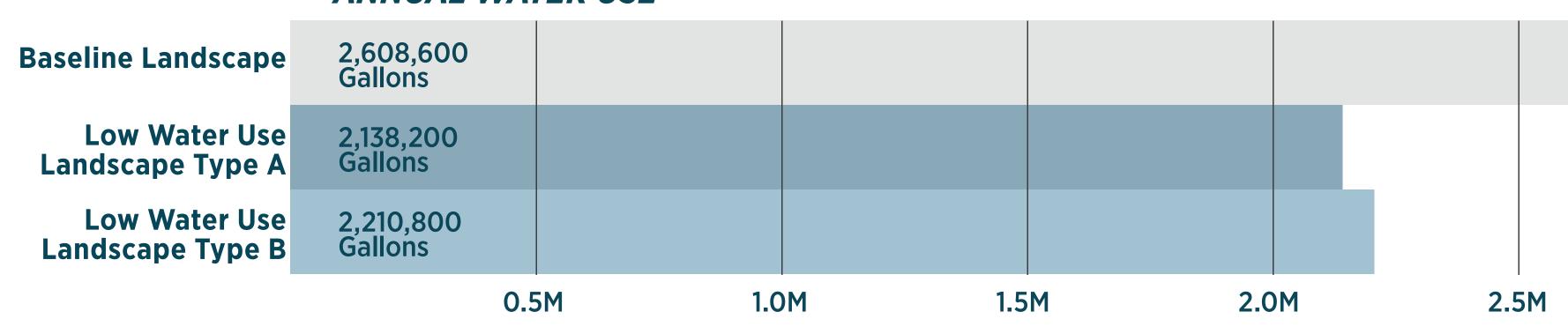




SUMMARY DATA

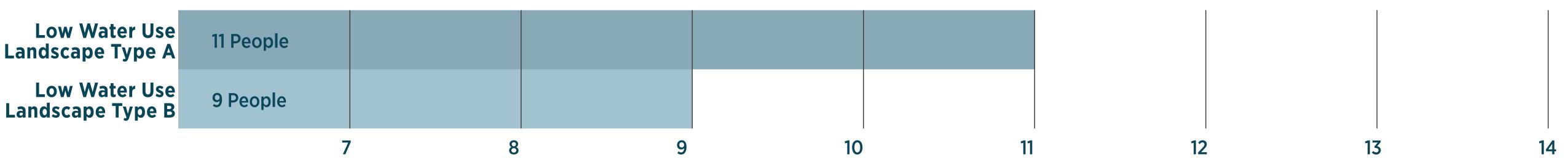


ANNUAL WATER USE



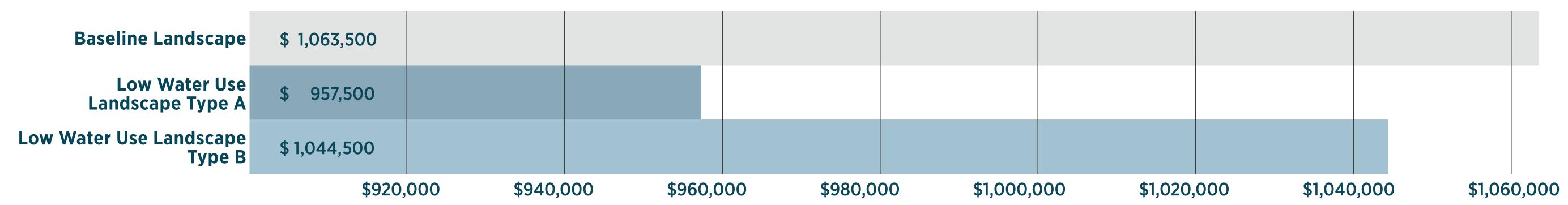


INCREMENTAL HUMAN IMPACT THE ADDITIONAL NUMBER OF PEOPLE ABLE TO BE SUPPORTED WITH THE ANNUAL WATER USE SAVINGS



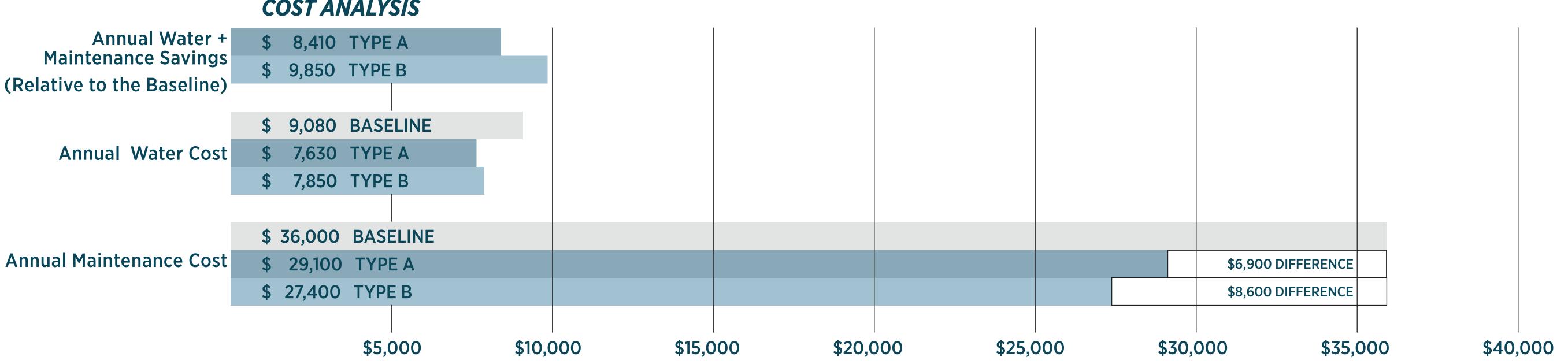


COST OF INSTALLATION - PLANTING AND IRRIGATION





COST ANALYSIS





Baseline Plan

PLANTING & IRRIGATION

Item	Quantity	Unit	Unit Cost	Extension		
Manicured Turf (bluegrass/fescue blend)	63,876	sf	\$ 4.50	\$	287,442	
Planting Beds (mulch + plants at medium density)	72,861	sf	\$ 8.50	\$	619,319	
Low Grow Native Grass (turf alternative)	47,985	sf	\$ 2.10	\$	100,769	
Native Grass (detention basin area)	18,302	sf	\$ 1.80	\$	32,944	
Irrigation Point of Connection & Controller	1	ls	\$ 20,000.00	\$	20,000	
Specialty Irrigation (tree drip zone)	3	ea	\$ 1,000.00	\$	3,000	
Total SF	203,024		TOTAL	\$	1,063,473	
	Price/SF			\$	5.24	

Low Water Plan Type A

PLANTING & IRRIGATION

Item	Quantity	Unit	Unit Cost	Extension		
Manicured Turf (bluegrass/fescue blend)	16,987	sf	\$ 4.50	\$	76,442	
Planting Beds (mulch + plants at medium density)	72,818	sf	\$ 8.50	\$	618,953	
Low Grow Native Grass (turf alternative)	94,763	sf	\$ 2.10	\$	199,002	
Native Grass (detention basin area)	18,302	sf	\$ 1.80	\$	32,944	
Irrigation Point of Connection & Controller	1	ls	\$ 20,000.00	\$	20,000	
Specialty Irrigation (tree drip zone)	10	ea	\$ 1,000.00	\$	10,000	
Total SF	202,870		TOTAL	\$	957,340	
	Price/SF			\$	4.72	

Low Water Plan Type B

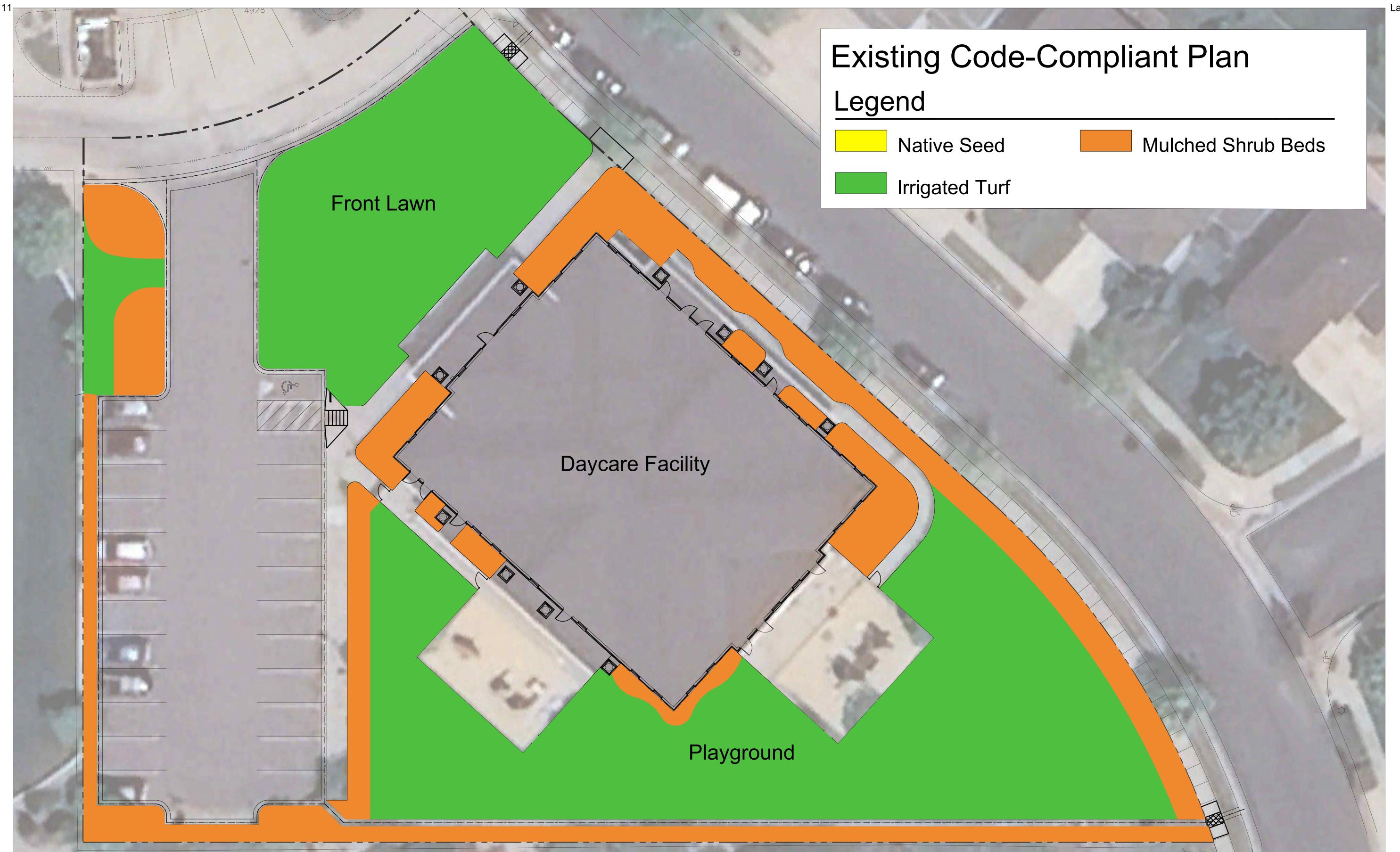
PLANTING & IRRIGATION

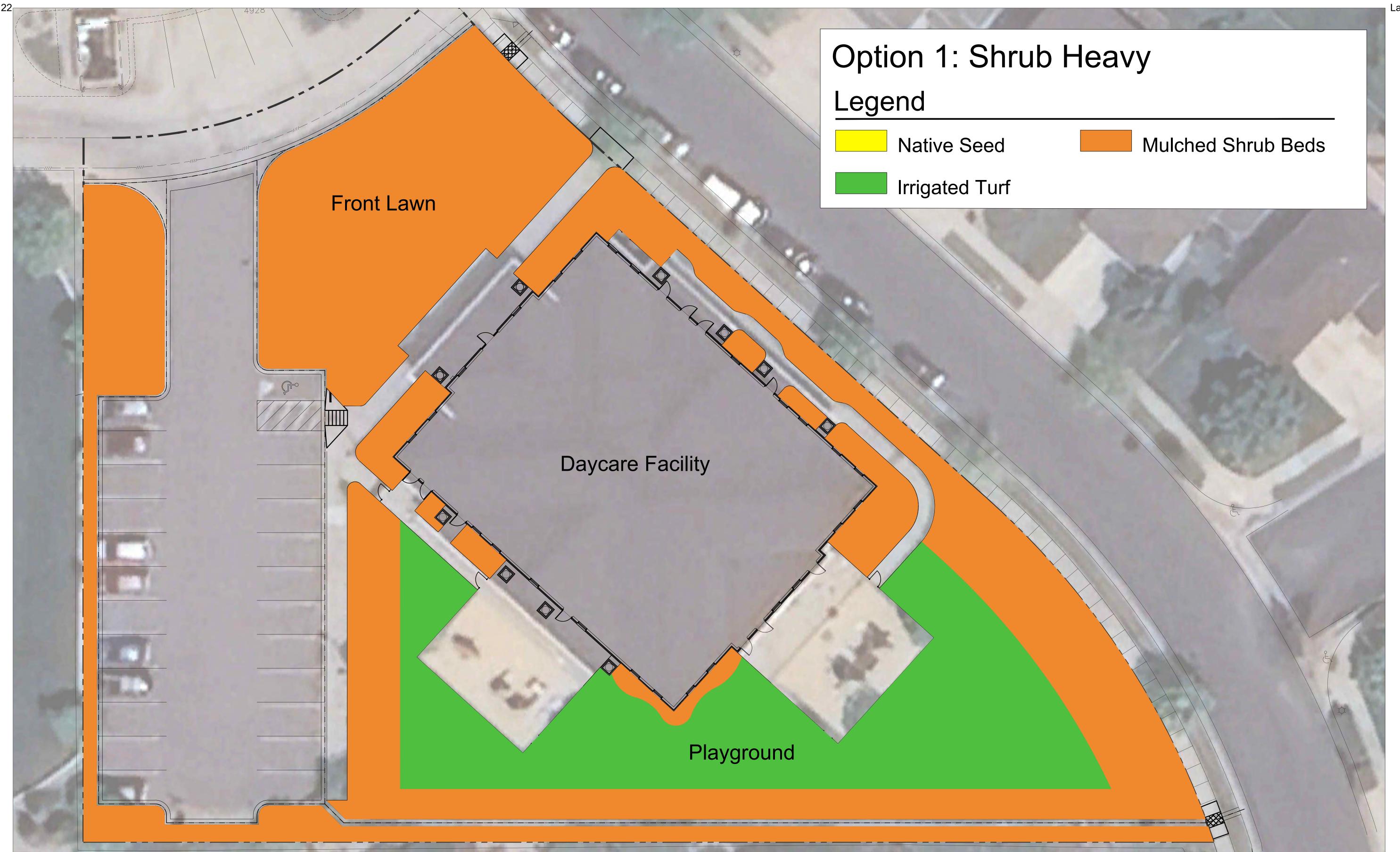
Item	Quantity	Unit	Unit Cost	Extension		
Manicured Turf (bluegrass/fescue blend)	14,986	sf	\$ 4.50	\$	67,437	
Planting Beds (mulch + plants at medium density)	88,088	sf	\$ 8.50	\$	748,748	
Low Grow Native Grass (turf alternative)	81,611	sf	\$ 2.10	\$	171,383	
Native Grass (detention basin area)	18,302	sf	\$ 1.80	\$	32,944	
Irrigation Point of Connection & Controller	1	ls	\$ 20,000.00	\$	20,000	
Specialty Irrigation (tree drip zone)	4	ea	\$ 1,000.00	\$	4,000	
Total SF	202,987		TOTAL	\$	1,044,512	
	Price/SF			\$	5.15	

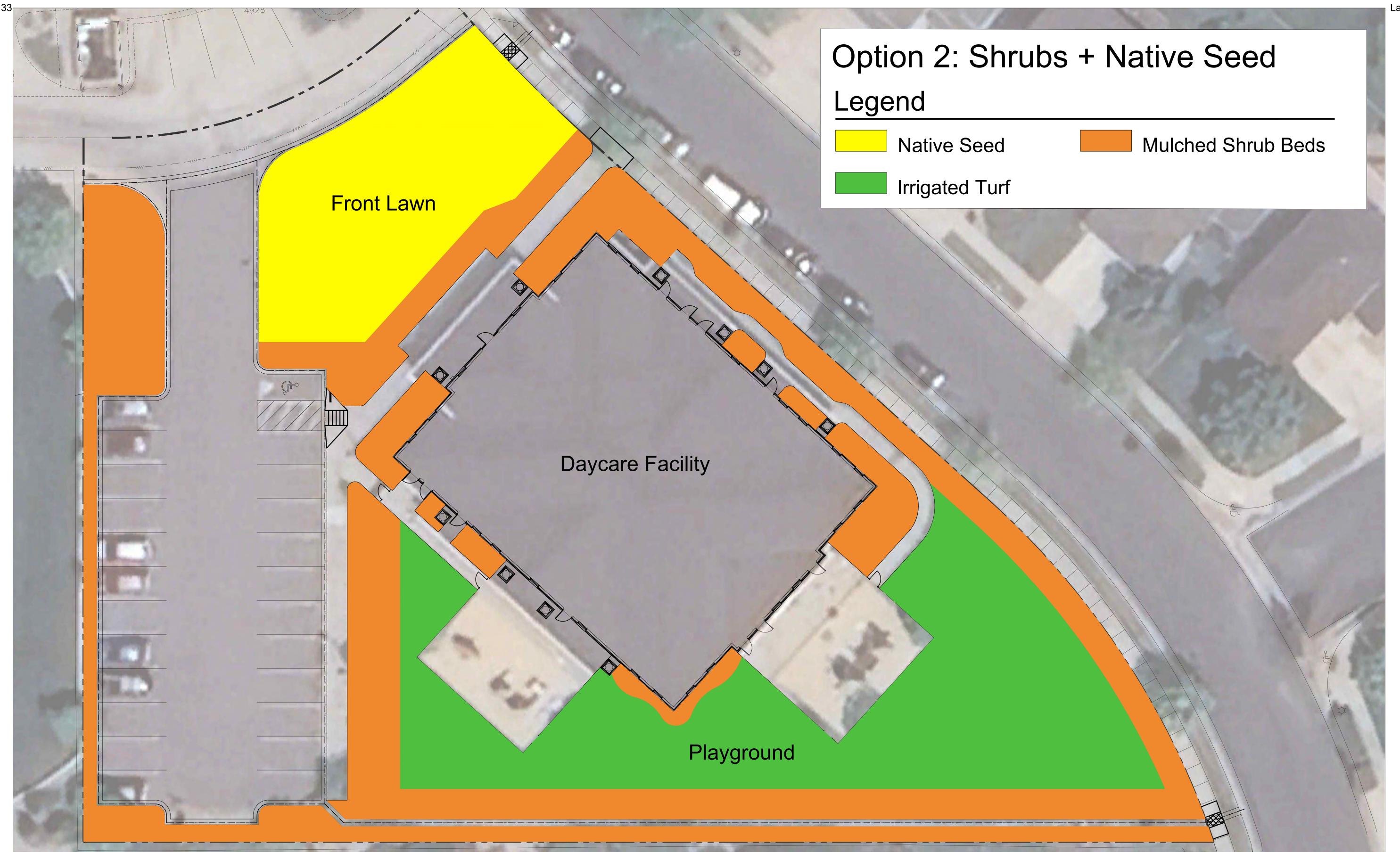
Assumptions

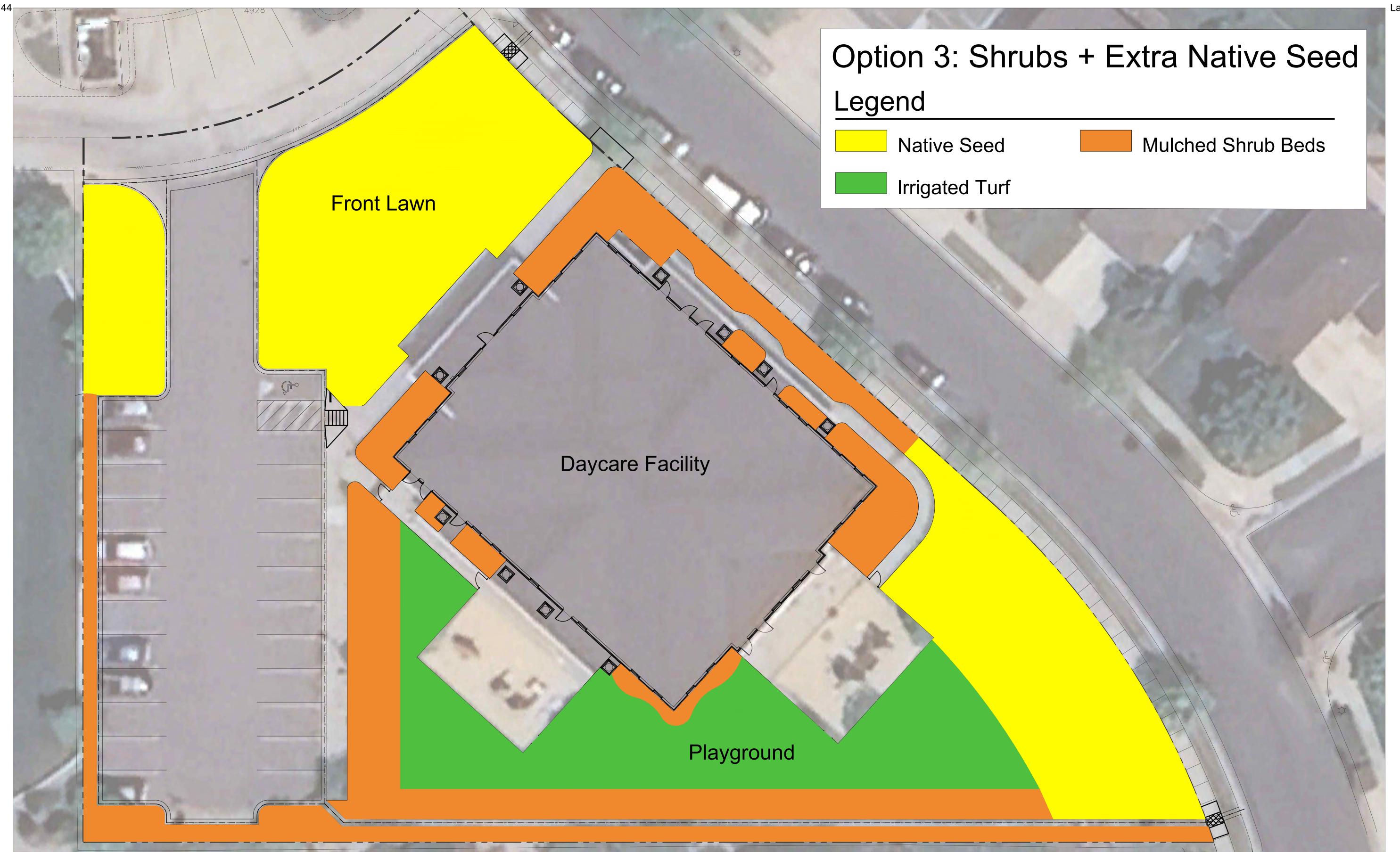
- 1. Unit costs utilized for estimating are based on Norris Design's industry knowledge in collaboration with development and construction partners.
- 2. Ultimate landscape material cost, cost of water, maintenance costs, and landscaping methods are all subject to change.
- 3. Water consumption per year from Table 5.1.1-(5) Hydrozones, LUC Article 5 (08/14/24 draft)
- 4. Water cost rates from 2024 City of Fort Collins Utilities Water, Wastewater & Stormwater Rates chart.
- 5. Annual maintenance costs estimated including: turf mowing, native grass mowing, turf weed control, over-seeding, aeration, fertilization, and planting bed weed control.
- 6. Renovations costs estimated including: soil preparation/tilling, irrigation system retrofit, seeding, and erosion control.
- 7. Demolition costs include herbicide treatment for turf replacement and irrigation inventory.
- 8. Excluded costs: Tree plantings, design consulting services, material delivery fees, permit fees, lighting and electrical work, utilities, and site furnishings.
- 9. These estimates represent an opinion of cost at the time of publication.











BHA Design Inc Landscape Code Impact Analysis

Existing Code-	Compliant Plan									
Hydrozone	Rate (gal/sf/yr)	Area (sf)	Water Use (gal)		Installation Costs	SF	Cost	Area (sf)	Total Cost	
High	18	14,429	259,722		Irrigated Turf w/ Spray Irrigation	\$	2.75	14,429	\$39,680	
Medium	14	0	0		Mulched Shrub Beds w/ Drip Irrigation	\$	12.67	6,271	\$79,454	
Low	8	6,271	50,168		Native Seed w/ Spray Irrigation	\$	1.58	0	\$0	
Very Low	3	0	0							
				Annual Water Use	Total:			20,700	\$119,133	
Total:		20,700	309,890	15.0 gallons/sf/year						
Option 1: Shrul	b Heavy									
Hydrozone	Rate (gal/sf/yr)	Area (sf)	Water Use (gal)		Installation Costs	SF	Cost	Area (sf)	Total Cost	
High	18	5,690	102,420		Irrigated Turf w/ Spray Irrigation	\$	2.75	5,690	\$15,648	
Medium	14	0	0		Mulched Shrub Beds w/ Drip Irrigation	\$	12.67	15,010	\$190,177	
Low	8	15,010	120,080		Native Seed w/ Spray Irrigation	\$	1.58	0	\$0	
Very Low	3	0	0							
				Annual Water Use	Total:				\$205,824	73% highe
Total:		20,700	222,500	10.7 gallons/sf/year						
Option 2: Shrul	bs + Native Seed									
Hydrozone	Rate (gal/sf/yr)	Area (sf)	Water Use (gal)		Installation Costs	SF	Cost	Area (sf)	Total Cost	
High	18	6,877	123,786		Irrigated Turf w/ Spray Irrigation	\$	2.75	6,877	\$18,912	
Medium	14	0	0		Mulched Shrub Beds w/ Drip Irrigation	\$	12.67	9,953	\$126,105	
Low	8	9,953	79,624		Native Seed w/ Spray Irrigation	\$	1.58	3,870	\$6,115	
Very Low	3	3,870	11,610							
Total:		20,700	215,020	Annual Water Use 10.4 gallons/sf/year	Total:				\$151,131	27% highe
Option 3: Shrul Hydrozone Tabl	bs + Native Seed le				Installation Costs	SF	Cost	Area (sf)	Total Cost	
High	18	4,408	79,344		Irrigated Turf w/ Spray Irrigation	\$	2.75	4,408	\$12,122	
Medium	14	0	0		Mulched Shrub Beds w/ Drip Irrigation			6,707	\$84,978	
Low	8	6,707	53,656		Native Seed w/ Spray Irrigation	\$		9,585	\$15,144	
Very Low	3	9585	28,755		. , ,					
Total:		20,700	161,755	Annual Water Use 7.8 gallons/sf/year	Total:				\$112,244	-6% lower