TRAVIS COUNTRY FIRE/EMS STATION DATE.



DESIGN COMMISSION | MAY 18, 2020

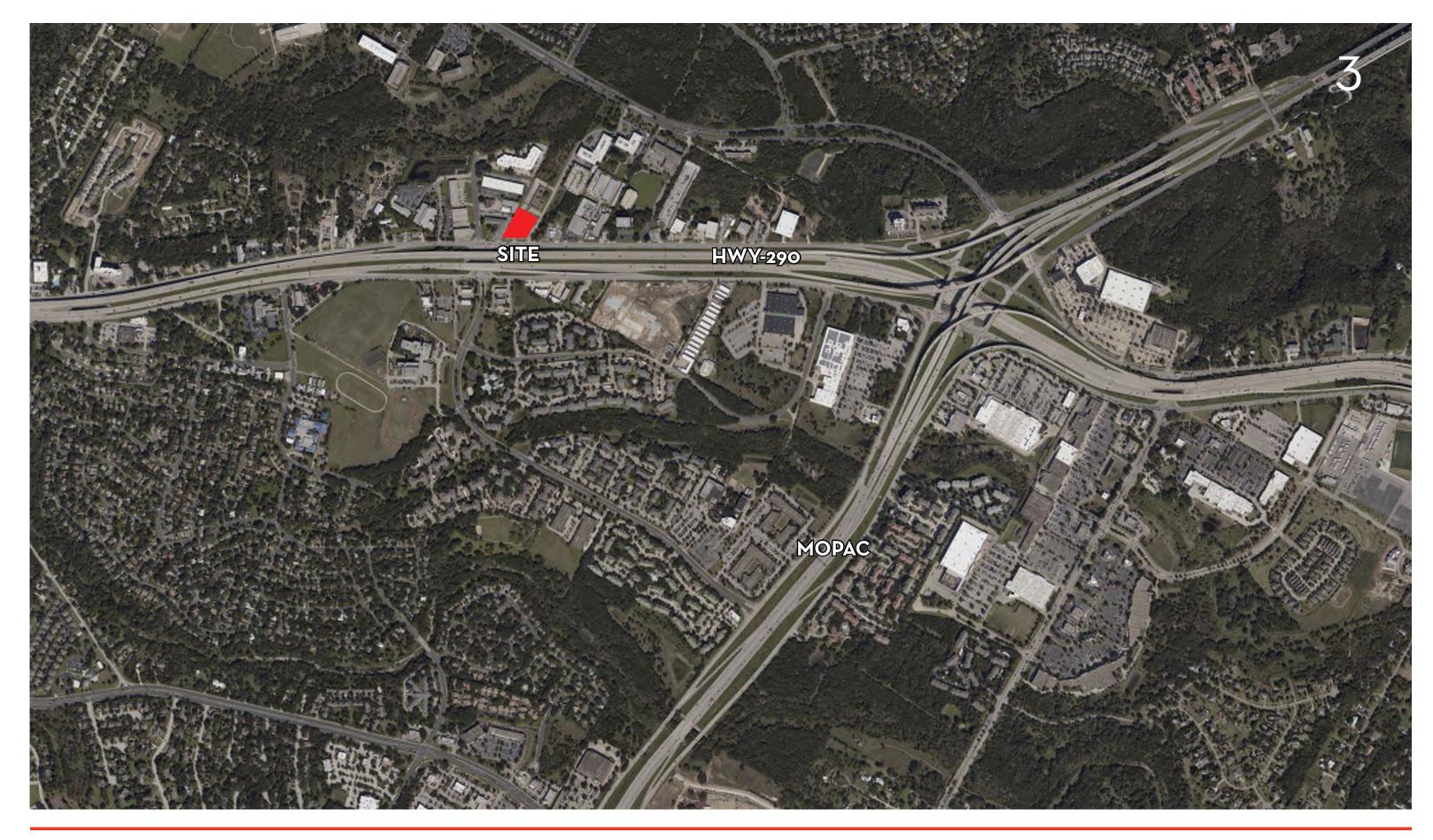
TRAVIS COUNTRY FIRE/EMS STATION

GOAL:

PROVIDE EMERGENCY RESPONSE SERVICES TO TRAVIS COUNTRY AREA

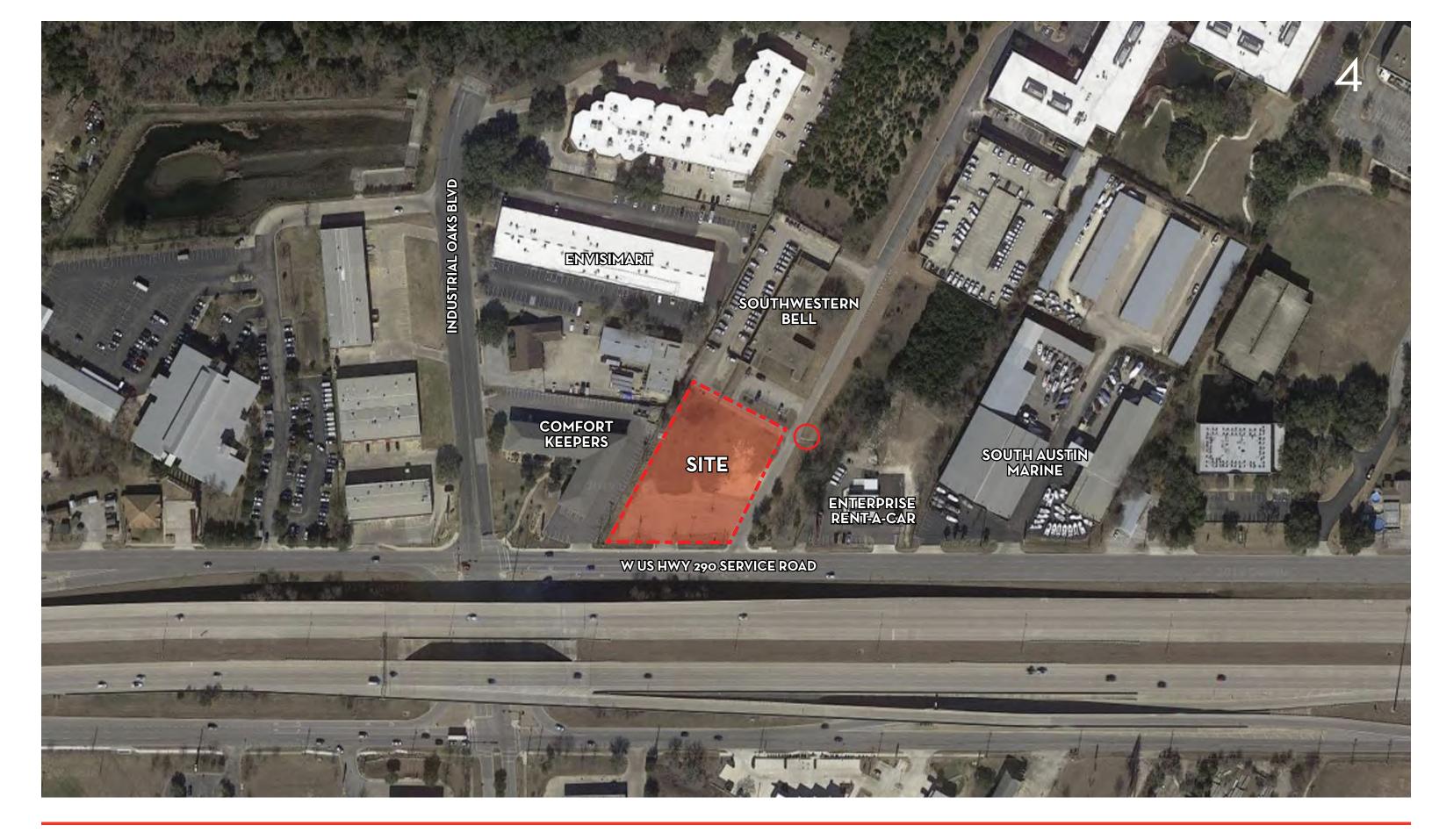
PROJECT ELEMENTS:

- 15,000 square feet; 4 apparatus bays
- 19 staff parking
- 2 visitor parking
- Subchapter E driven glazing design
- Training Tower
- Staff exterior space (accessible from Day Room)
- Day Room, Kitchen, Gym, gear storage rooms, 13 sleep rooms
- Minimized footprint water quality ponds

































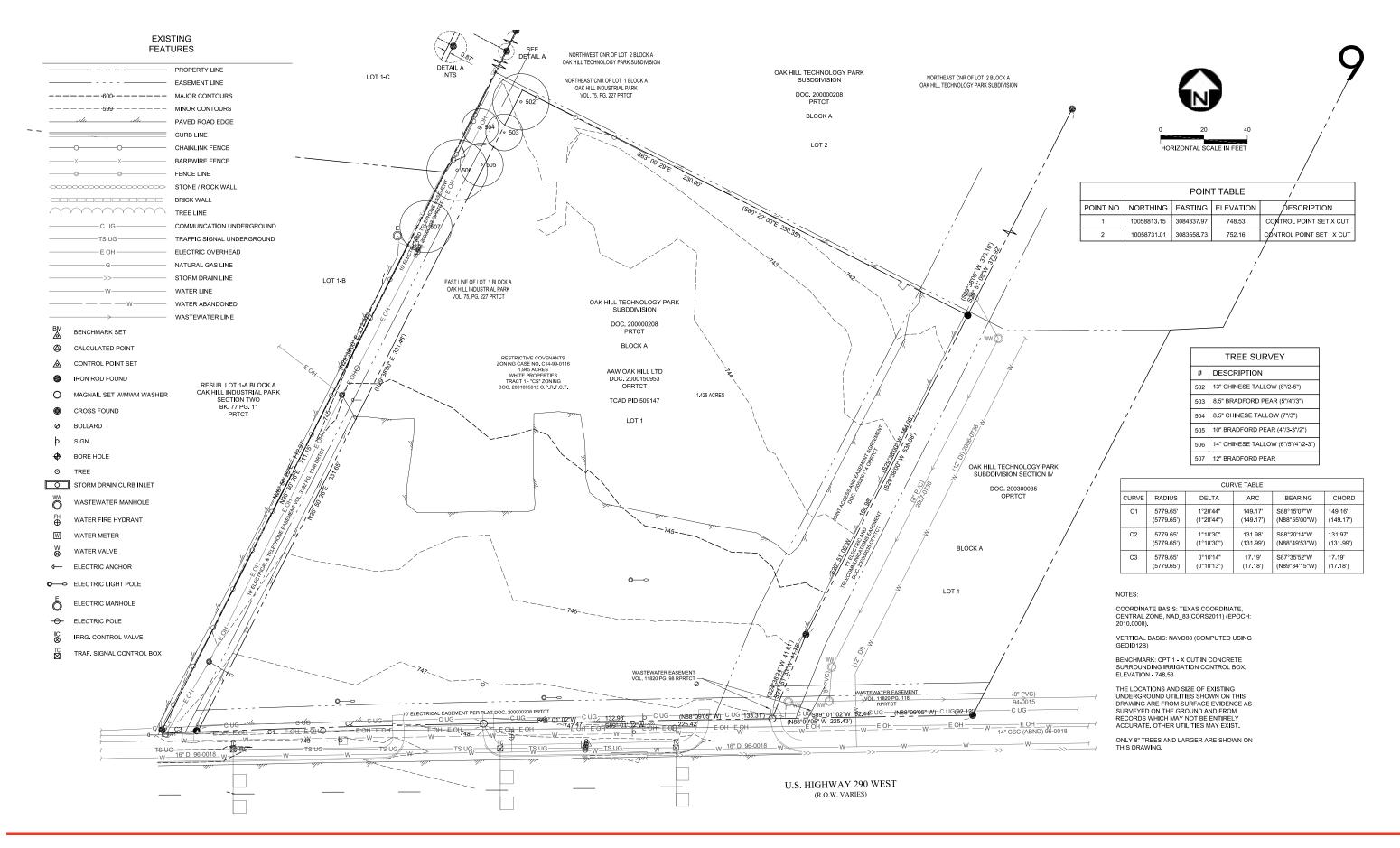






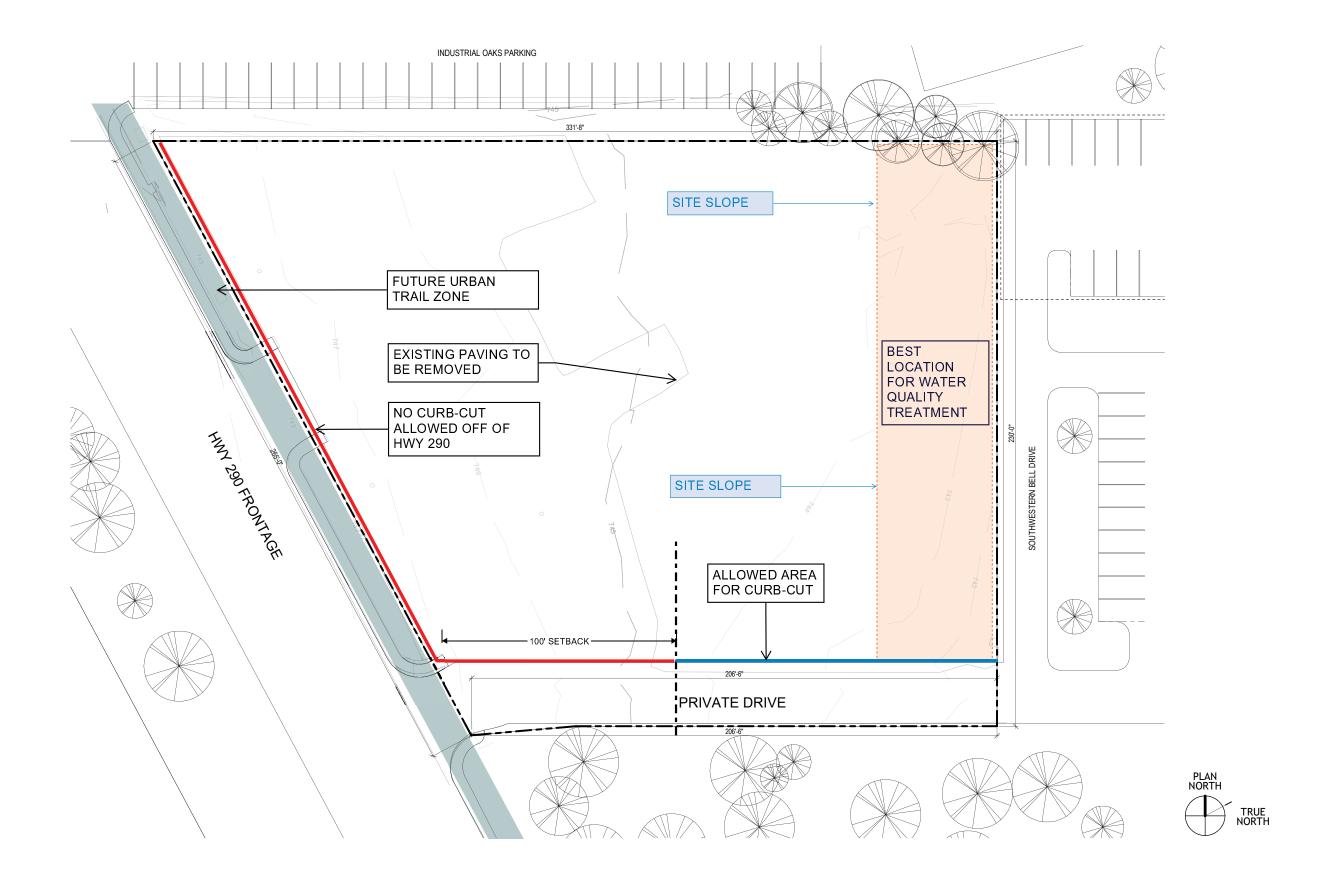






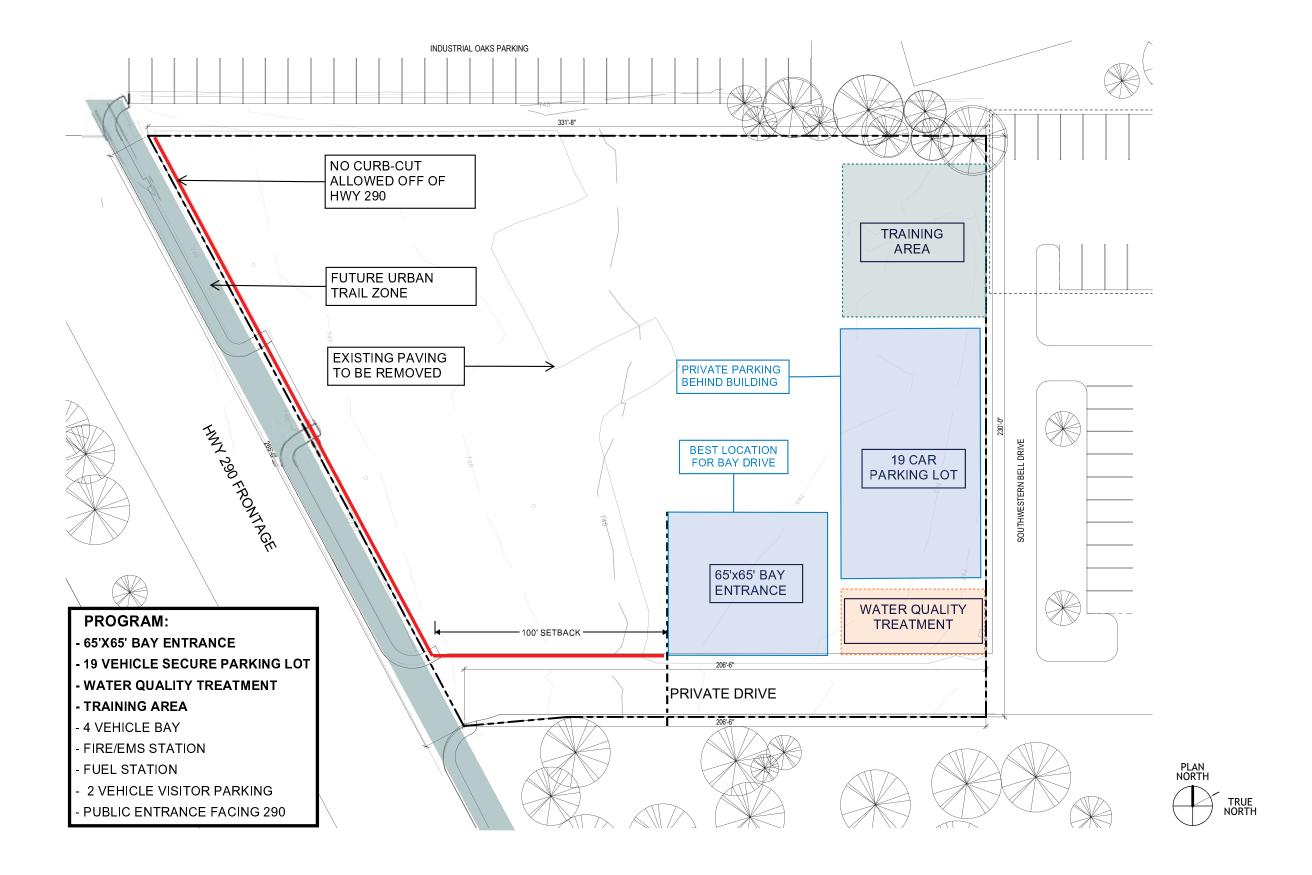




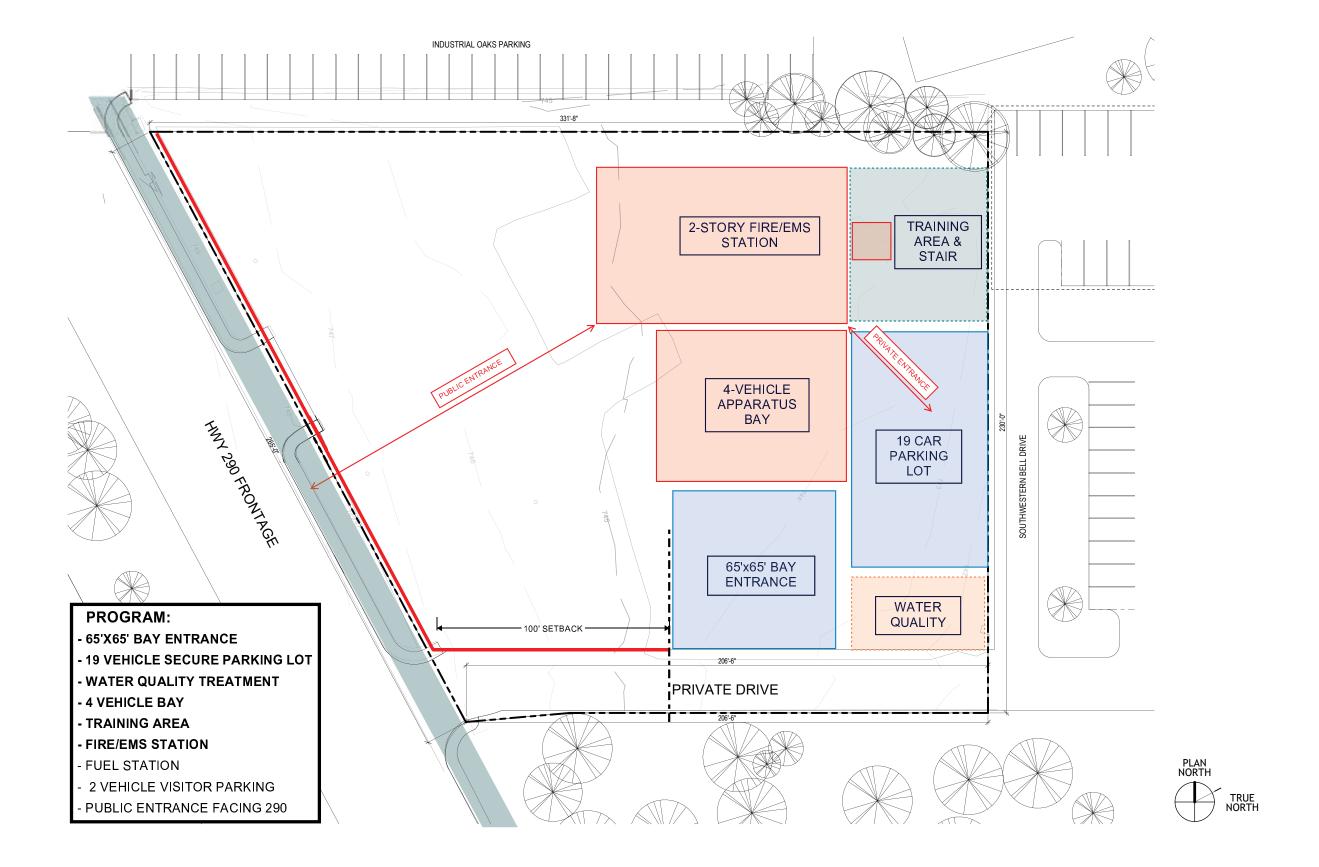






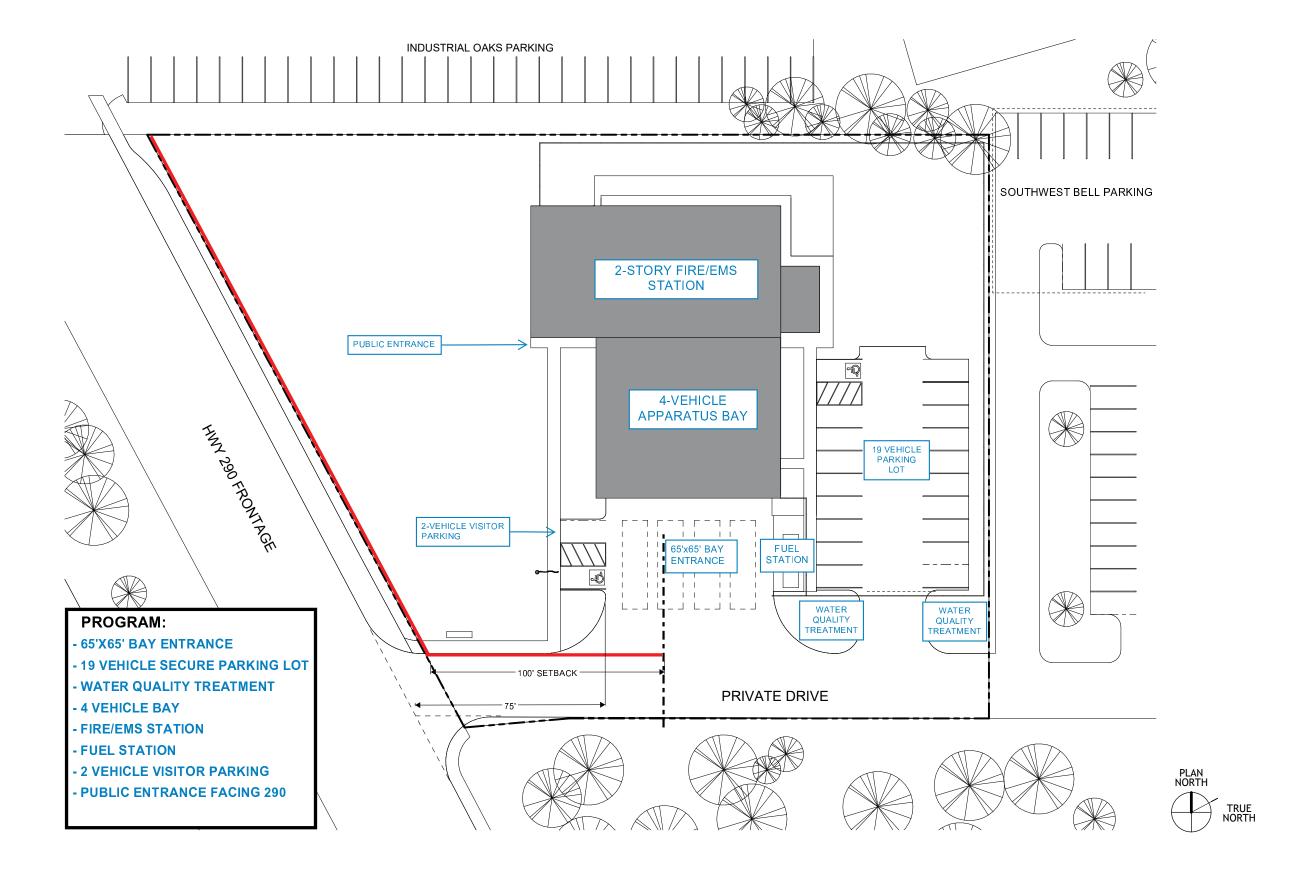




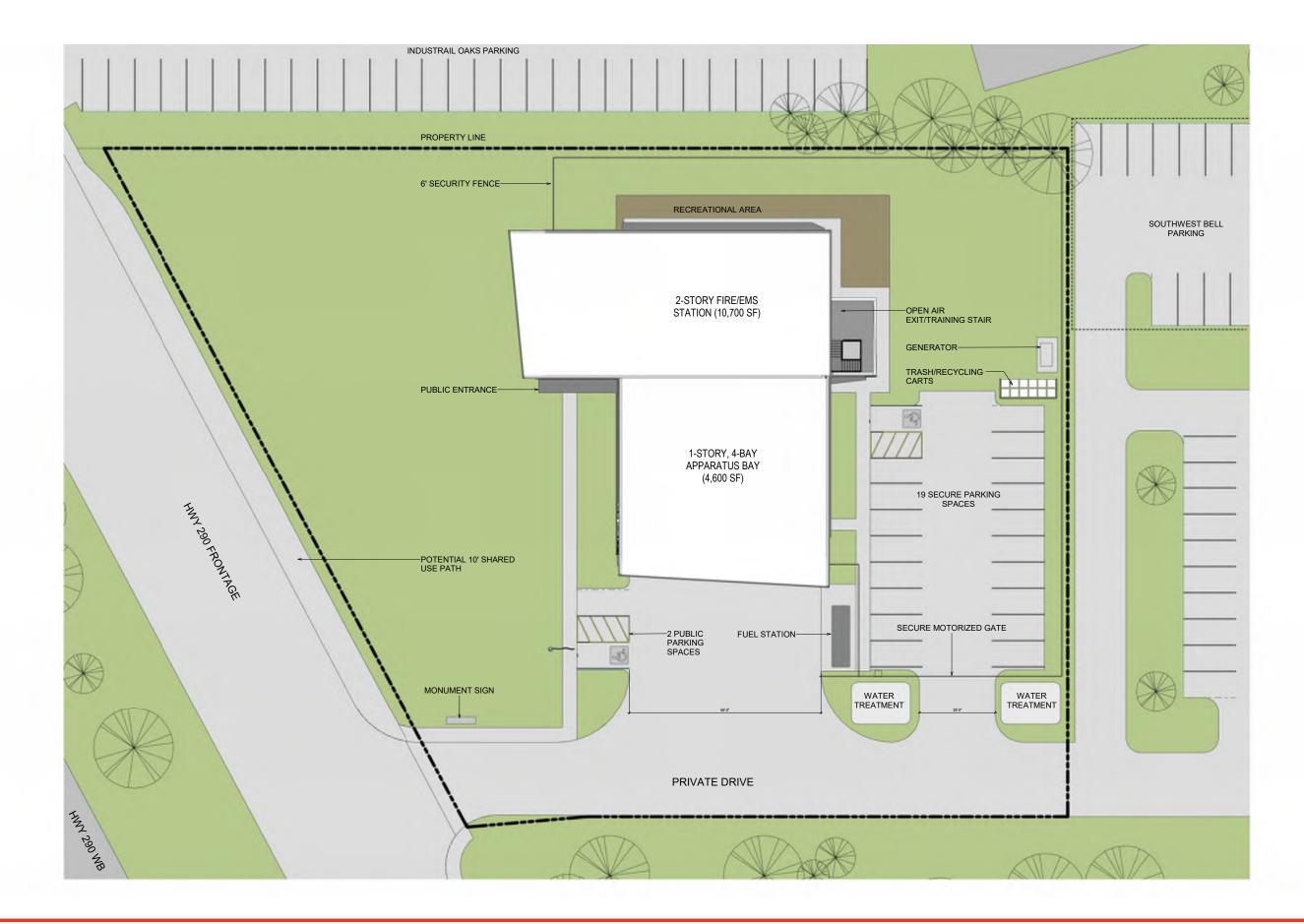














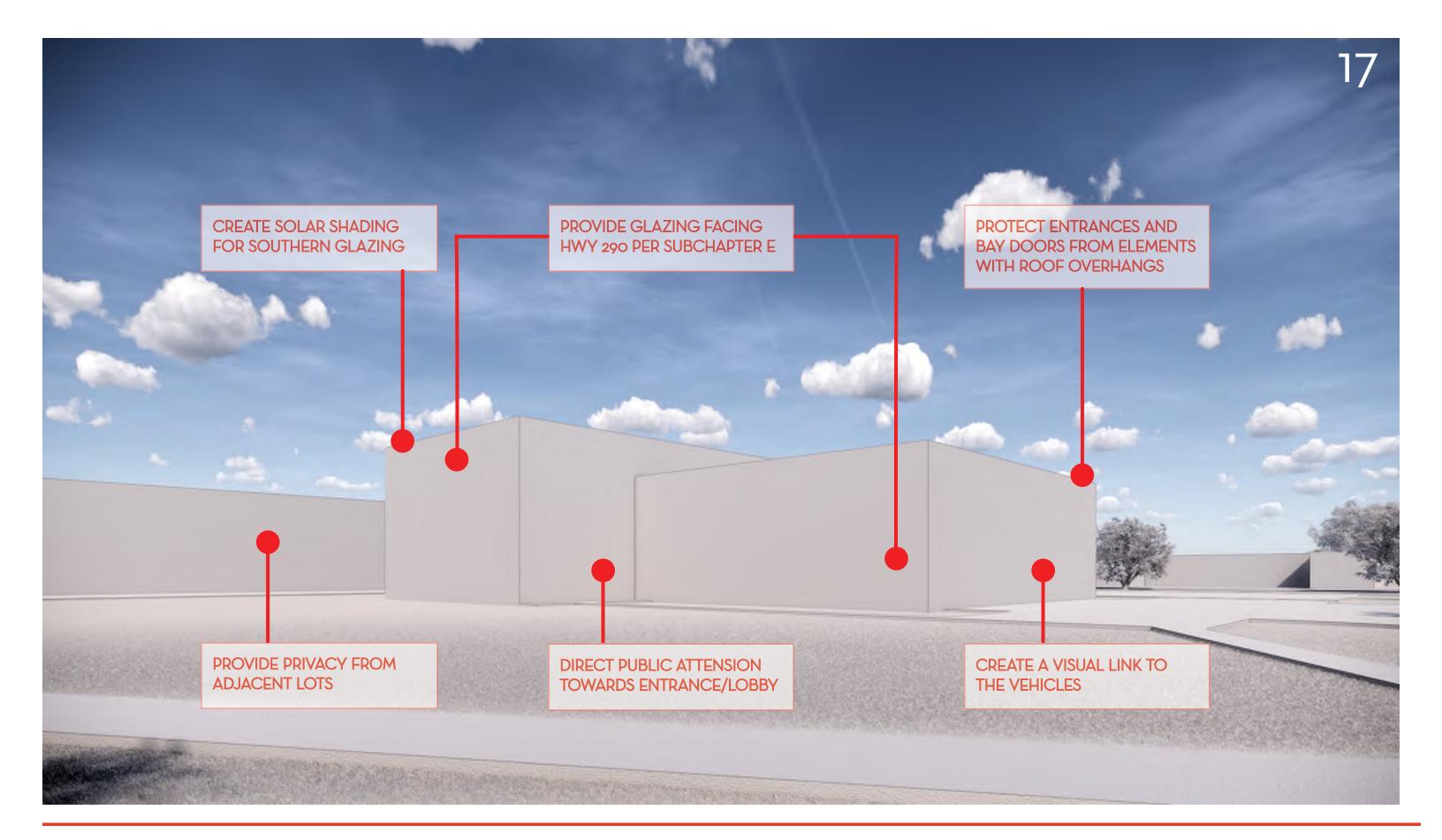






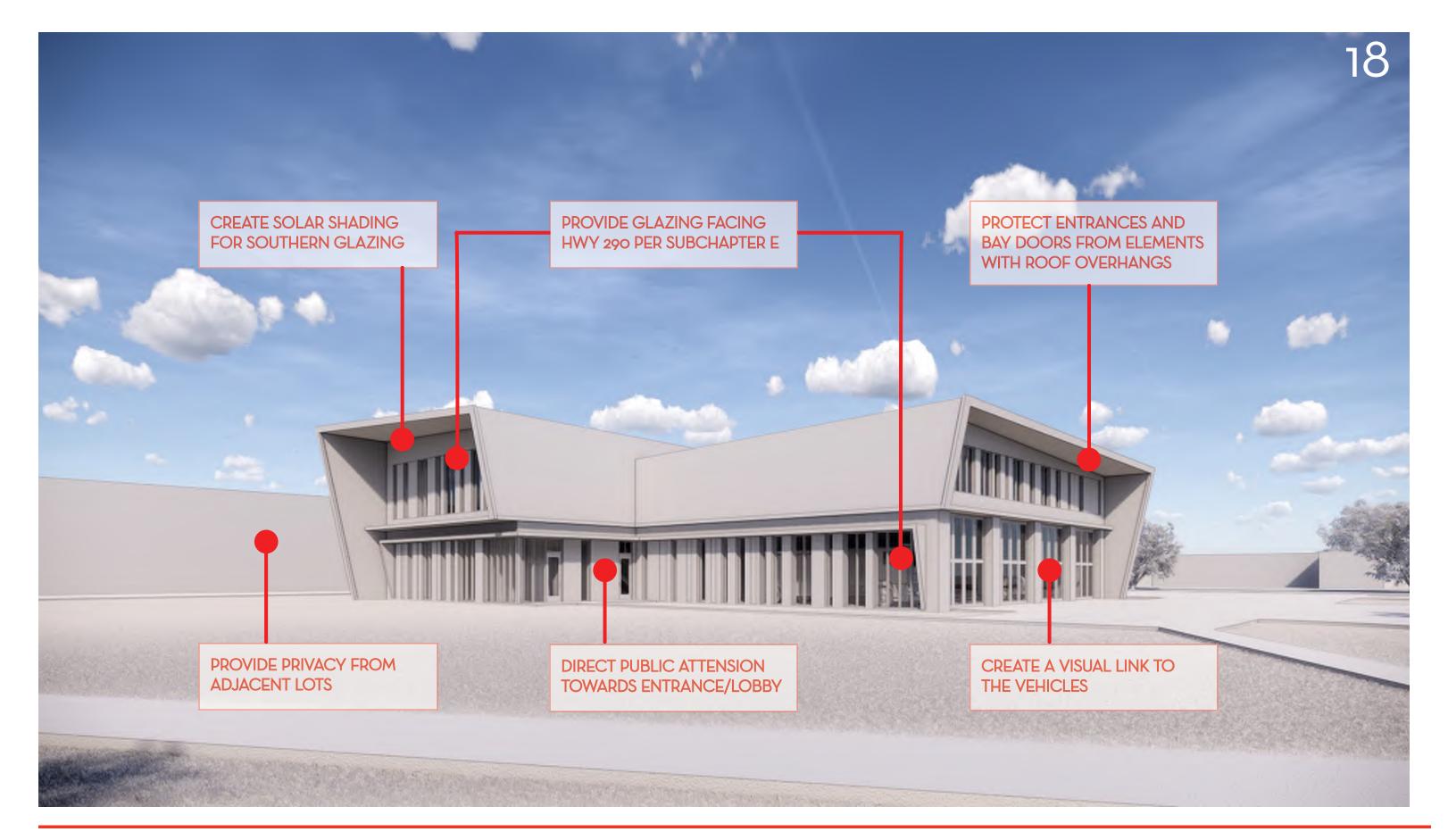


















































Planting Palette

Big Muhly Gulf Muhly Bamboo Muhly Blonde Ambition Green Desert Spoon Red Yucca Whale's Tongue Agave Autumn Sage Butterfly Bush Wildflower Plantings Big Bluestem Mealy Blue Sage Butterfly Weed Little Bluestem Prairie Verbena



Landscape Plantings

3908 Ave. B Austin Texas 78751 512 283 8815 studio balcones.com

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City of Austin Fire & EMS Station Travis Country 29 Jan., 2020 Schematic Design Presentation

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Planting Palette



Texas Red Oak



Texas Ash



Pecan

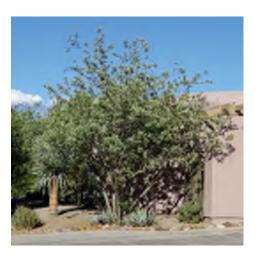
Shade Trees



Thornless Chilean Mesquite



Mexican Buckeye



Kidneywood

Ornamental Trees



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SUSTAINABILITY OVERVIEW

Certification Goal:

LEED 4.0 Silver

Location and Transportation: site location challenging for credits. 10 of 16 credits are NO.

Sustainable Sites: concrete pavement key for Heat Island reduction.

Water Efficiency: water use reduction

Energy and Atmosphere: enhanced commissioning, electrical system solar ready, potential for 2 more points in Optimize Energy Performance

Materials and Resources: building product disclosures and waste management

Indoor Environmental Quality: low-emitting materials

Innovation: IPM, Green Housekeeping, education outreach, Pilot, EP

Potential Credits: bicycle facilities due to potential connection to trail, rainwater managment appeal based on civil requirements



LEED v4 for BD+C: New Construction and Major Renovation Project Name: Travis Country Fire EMS Station

Project Checklist



				Credit	LEED for Neighborhood Development Location	16
	1			Credit	Sensitive Land Protection	1
			2	Credit	High Priority Site - project does not qualify	2
	2		3	Credit	Surrounding Density and Diverse Uses	5
			5	Credit	Access to Quality Transit	5
		1		Credit	Bicycle Facilities	1
		1		Credit	Reduced Parking Footprint - zoning requirements? 20% reduction require	1
	1			Credit	Green Vehicles - v4.1 allow 6% infrastructure / 10% for AEGB	1
-				-		

7	0	3	0	Susta	inable Sites	10
Υ				Prereq	Construction Activity Pollution Prevention	Required
1				Credit	Site Assessment	1
2				Credit	Site Development - Protect or Restore Habitat	2
1				Credit	Open Space - need to add native	1
		3		Credit	Rainwater Management	3
2				Credit	Heat Island Reduction - concrete paving?	2
1				Credit	Light Pollution Reduction - BUG	1
				-		

4	1	0	6	Water	Efficiency	11
Υ				Prereq	Outdoor Water Use Reduction	Required
Υ				Prereq	Indoor Water Use Reduction - appliances needed	Required
Υ				Prereq	Building-Level Water Metering	Required
1			1	Credit	Outdoor Water Use Reduction	2
2	1		3	Credit	Indoor Water Use Reduction - 33% reduction for shower usage	6
			2	Credit	Cooling Tower Water Use	2
1				Credit	Water Metering - permanent meters on two or more subsystems	1
				-		

19	2	5	7	Energ	gy and Atmosphere	33
Υ				Prereq	Fundamental Commissioning and Verification	Required
Υ				Prereq	Minimum Energy Performance	Required
Υ				Prereq	Building-Level Energy Metering	Required
Υ	Prereq		Prereq	Fundamental Refrigerant Management	Required	
5			1	Credit	Enhanced Commissioning - before end of DD, measurement	6
10	2	1	5	Credit	Optimize Energy Performance - assumes 24% reduction	18
1				Credit	Advanced Energy Metering - systems >10% whole building + data	1
		2		Credit	Demand Response	2
		2	1	Credit	Renewable Energy Production - programming requirement	3
1				Credit	Enhanced Refrigerant Management	1
2				Credit	Green Power and Carbon Offsets	2

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Date: 03.04.2020

5	0	3	5	Materi	Materials and Resources			
Υ			Prereq	Storage and Collection of Recyclables	Required			
Υ				Prereq	Construction and Demolition Waste Management Planning	Required		
			5	Credit	Building Life-Cycle Impact Reduction	5		
1		1		Credit	Building Product Disclosure Optimization - Environmental Product Declarations	2		
1		1		Credit	Building Product Disclosure and Optimization - Sourcing of Raw Materials	2		
1		1		Credit	Building Product Disclosure and Optimization - Material Ingredients	2		
2				Credit	Construction and Demolition Waste Management	2		

7	1	2	6	Indoo	or Environmental Quality	16
Υ				Prereq	Minimum Indoor Air Quality Performance	Required
Υ				Prereq	Environmental Tobacco Smoke Control	Required
2				Credit	Enhanced Indoor Air Quality Strategies	2
2	1			Credit	Low-Emitting Materials	3
1				Credit	Construction Indoor Air Quality Management Plan	1
			2	Credit	Indoor Air Quality Assessment - flushout or testing	2
1				Credit	Thermal Comfort - controllability	1
1		1		Credit	Interior Lighting - 90% individual occupant spaces - 3 levels	2
			3	Credit	Daylight	3
		1		Credit	Quality Views - sleeping areas / gym	1
			1	Credit	Acoustic Performance	1
5	1	0	n	Innov	ration	6

0	0	2	2	Regional Priority	4
			1	Credit Regional Priority: Renewable Energy Production	1
		1		Credit Regional Priority: Coutdoor Water Use Reduction	1
			1	Credit Regional Priority: {Indoor Water Use Reduction	1
		1		Credit Regional Priority: Coptimize Energy Performance	1

Innovation - IPM, Green Housekeeping, Pilot, Educational, EP

LEED Accredited Professional

52 7 15 36 TOTALS		Possible Points:	110
Certified: 40 to 49 points,	Silver: 50 to 59 points, Gold: 60 to 79 points,	Platinum: 80 to 110	

SUSTAINABILITY OVERVIEW

