

AUSTIN ONION CREEK FIRE & EMS STATION DESIGN COMMISSION PROJECT REVIEW SUBMITTAL

MAY 23, 2016



AUSTIN
FIRE DEPT

3



PROJECT INFORMATION

PROJECT DESCRIPTION

The new City of Austin Onion Creek Fire and EMS Station, located at the intersection of FM 1626 and Old San Antonio Road, will house fire and EMS personnel in a growing area of south east Austin. This three bay 9,626 square foot station will have the ability of sleeping 16 personnel to serve the surrounding community.

The thirty-one foot tall one-story station, with mechanical mezzanine, is situated on 2.508 acres with 1.57 acres left open and permeable with a FAR (floor area ratio) of .08. Surrounding this site on two sides is the Colonial Grand at Double Creek Multi-Family development which is just south of Akins High School. Capital Metro serves the community at a bus stop between Colonial Grand and Akins which is a half mile walk from our site.

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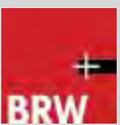
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COMMISSION

Our site is located in South Austin and, therefore, not in an urban context. Many of the Urban Design Guidelines do not pertain to our site because we are not in a dense community. We have attempted to incorporate many aspects of the Urban Design Guidelines, but would entertain any and all recommendations that could enhance our project with minimal costs. We understand that design decisions need to be harnessed and have tried to be diligent in including the City's, Fire Department's and EMS's wishes into the project while keeping a keen eye on the tax payer's budget. Items below are some of the Urban Design Guidelines that we would like recommendations on:

- **PS.6 Enhance Streetscape**
- **PS.13 Install Pedestrian-friendly Materials at Street Level**
- **B.5 Control On-site Parking**

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VICINITY MAP



VICINITY MAP

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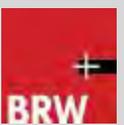
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AERIAL VIEW



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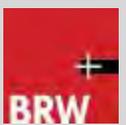
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AERIAL VIEW



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SITE IMAGES



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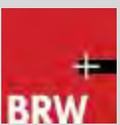
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SITE IMAGES



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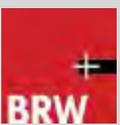
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SITE CHARACTERISTICS

Site Characteristics:

- TXDOT ROW
- TXDOT ROW Expansion Easement
- Existing Trees (Set Back)
- Bar Ditches
- Curbless Streets
- Overhead Power Line / Easement

Recommendations:

Alternative Equivalent Compliance

- 7' Sidewalk
- Green Zone \geq 8' Width
- Shading Trees Along Sidewalk Outside Power Line Easement
- Design Future Sidewalks for Connectivity
- Native Restoration in ROW areas
- Family Patio Area
- Shaded Picnic Areas
- Visitor & Employee Bike Parking
- Screening and Buffering along Property Lines

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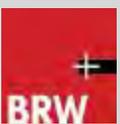
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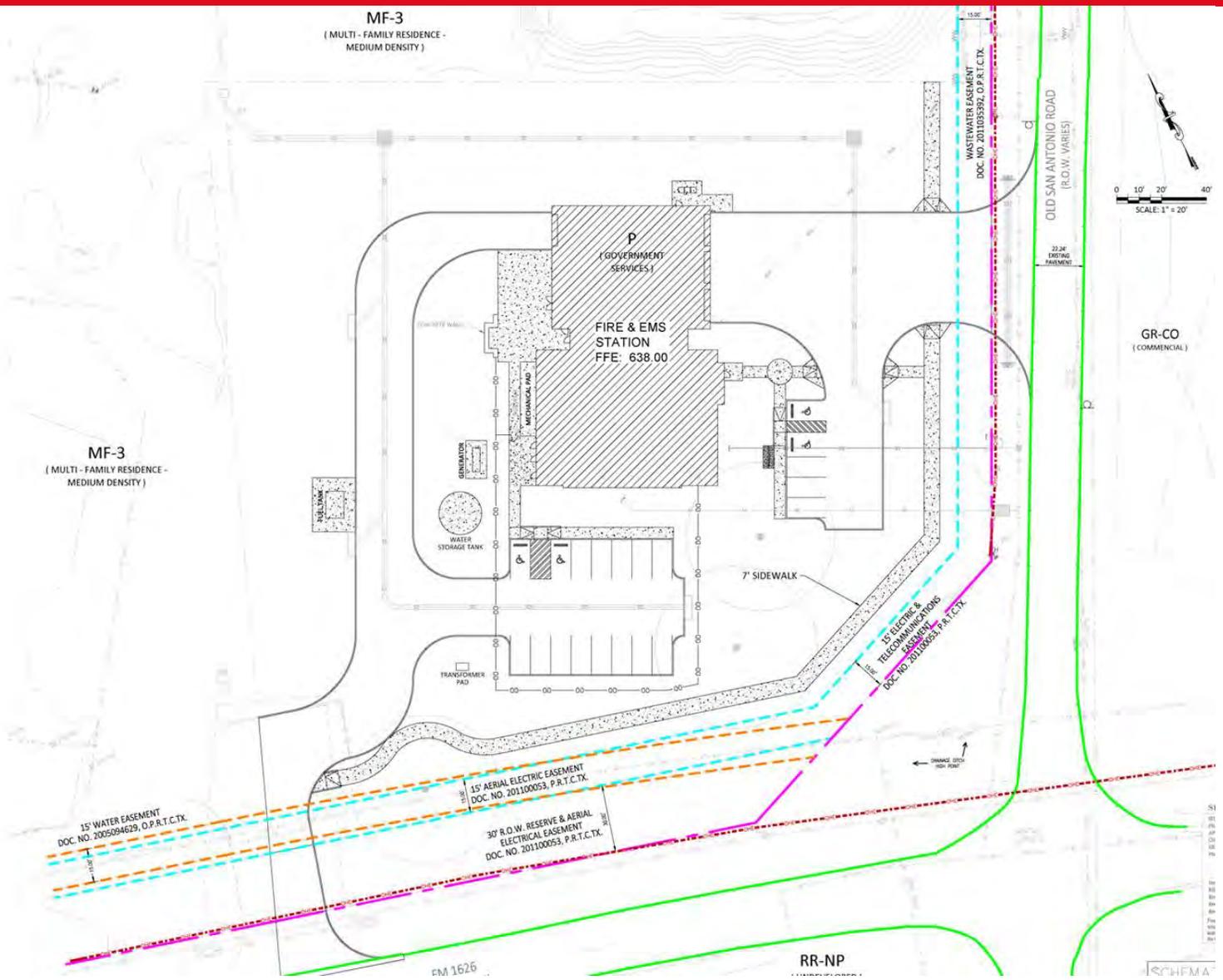
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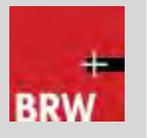


SITE PLAN



SITE PLAN

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LANDSCAPE PLAN



LANDSCAPE PLAN

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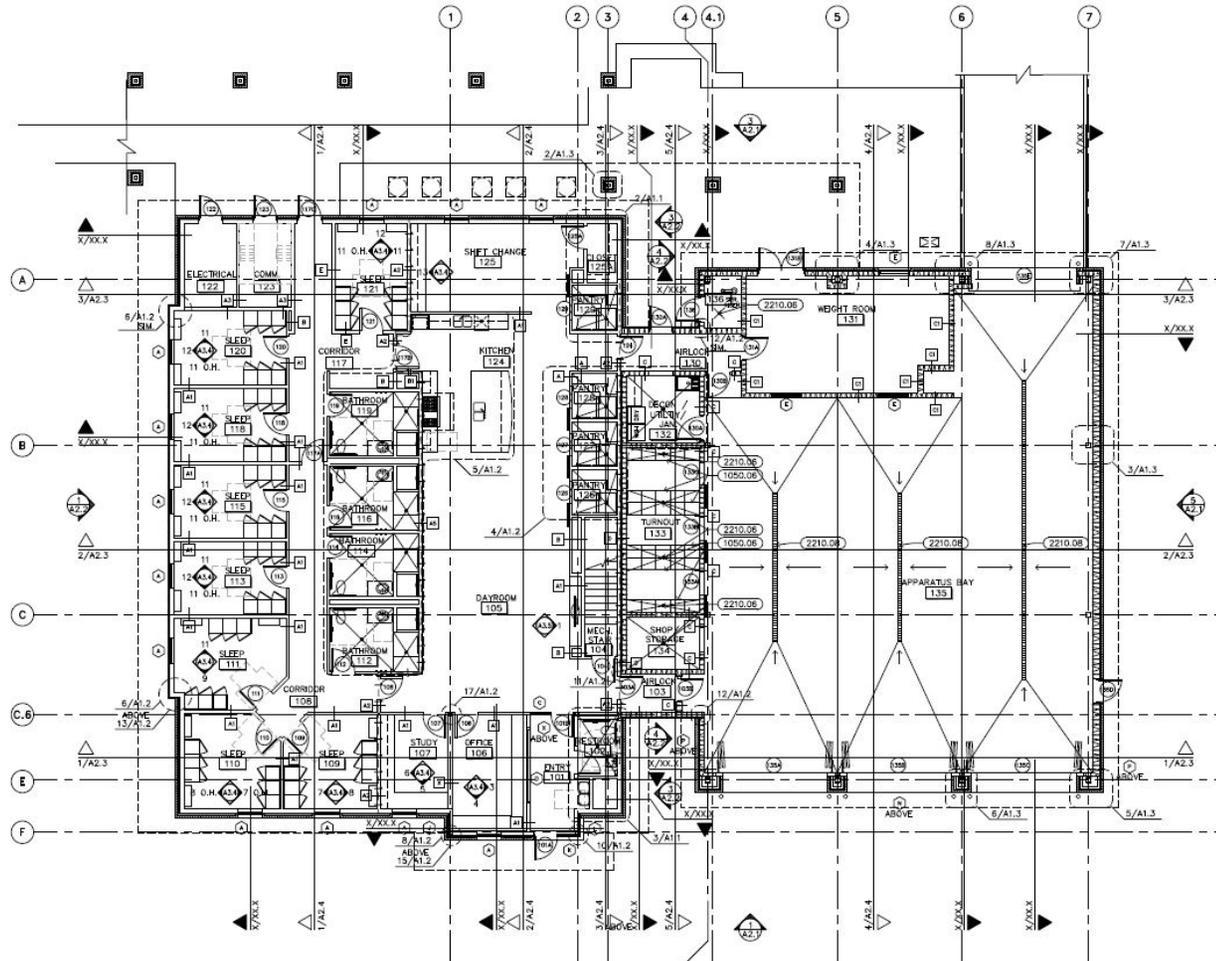
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FLOOR PLAN

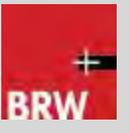


FLOOR PLAN

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EXTERIOR ELEVATIONS

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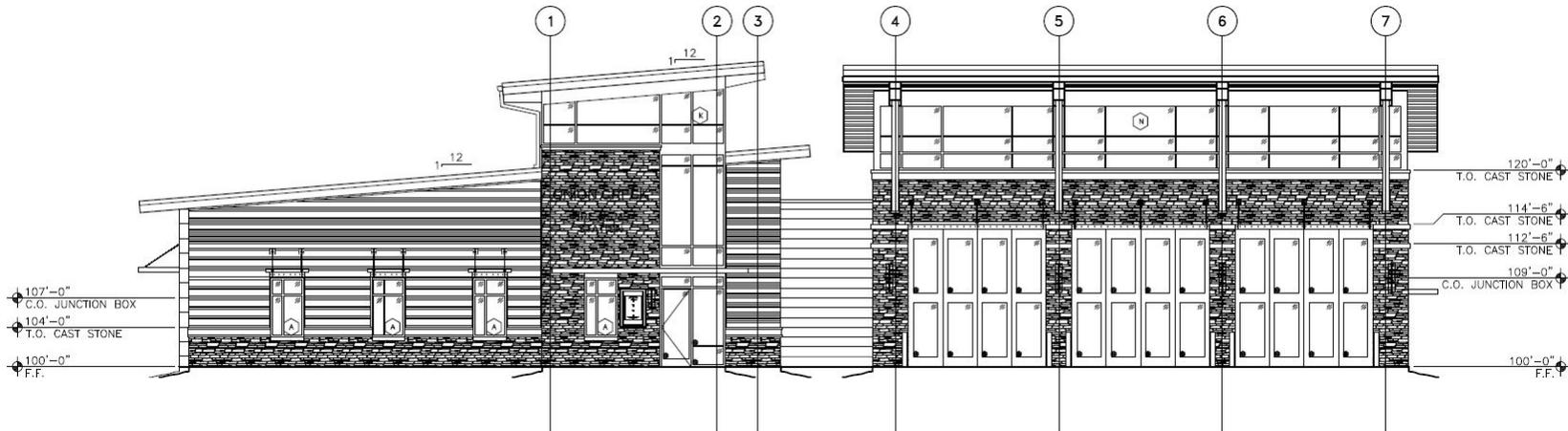
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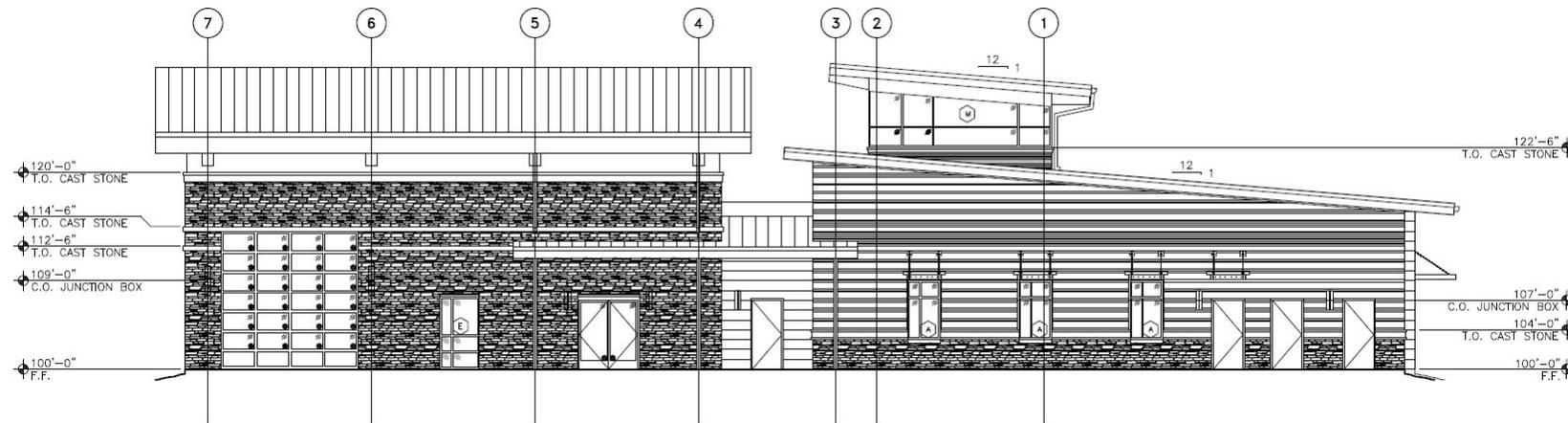
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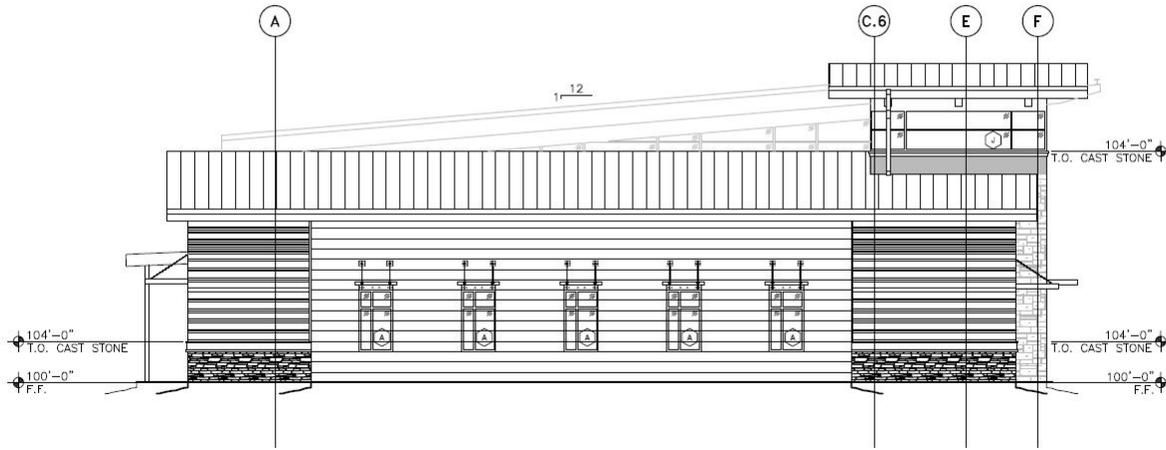


SOUTH ELEVATION

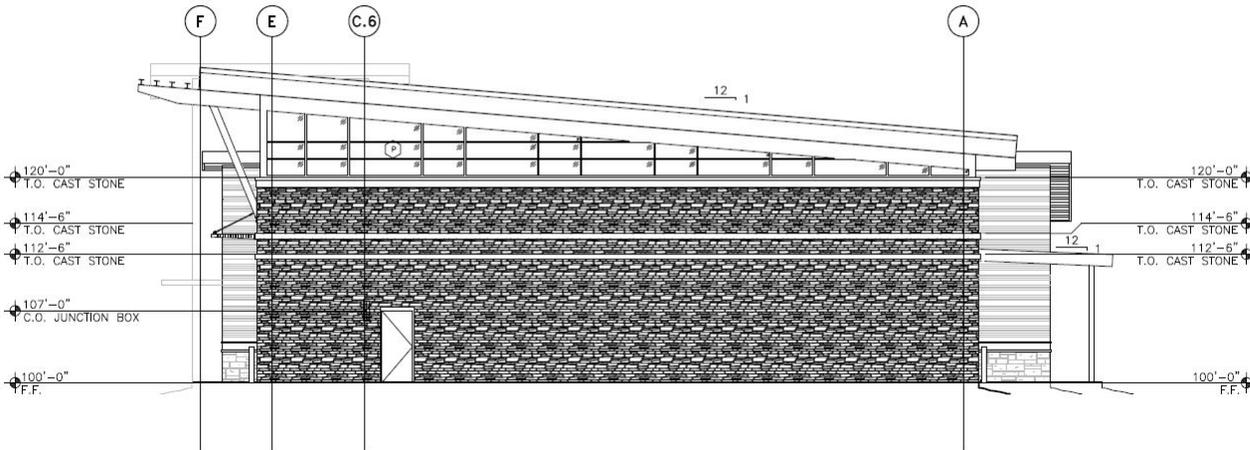


NORTH ELEVATION

EXTERIOR ELEVATIONS



WEST ELEVATION



EAST ELEVATION

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SUSTAINABILITY AND COMMUNITY BENEFITS

SUSTAINABILITY BENEFITS

This facility will be minimum LEED Silver. Below is a list of some of the sustainability benefits that will be incorporated into this development.

- Rain water harvesting 18,500 gal tank
- 100% Green Power
- Bike Storage with Changing Rooms
- Shower Facilities
- Electric Charging Stations
- Preferred Parking for Low Emitting and Fuel Efficient Vehicles
- Native and Drought Tolerant Landscaping
- Reduced Irrigation
- Water Use Reduction
- User Controlled Thermal Comfort and Lighting
- 90% of Occupied Spaces have Views to the Exterior
- Reduced Heat Island Effect (Roof and Pavement)

- Low Emitting Glass
- Variable Refrigerant Volume HVAC System
- Use of Natural Daylight
- FSC Certified Wood
- Natural Ventilation
- Recycled Content in Products
- Zero VOC Paint
- Low VOC content in adhesives, sealants and coatings
- Low Emitting Flooring Systems and Composite Wood and Agrifiber Products
- Maximized Open Space
- Reduced Light Pollution
- Recycling or Salvaging Minimum 75% Construction Waster
- Minimum 20% Regional Materials

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COMMUNITY BENEFITS

This facility benefits the surrounding community beyond the obvious intermittent emergency facility that inherently comes with a fire station and emergency medical service facility. Frequently, the fire station will host community groups in their day room for community gatherings and for tours of the facility and incorporate fire safety into the discussions. It also acts as a Safe Baby Haven to provide a secure and non-judgmental environment for the drop off of unwanted babies.

The community will also be educated with the incorporation of a Sustainability Feature Educational Program which uses brochures, wall signage and tours to highlight sustainability features of this project such as providing bike storage, changing rooms and shower facilities to assist those who chose to actively reduce their carbon footprint.

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