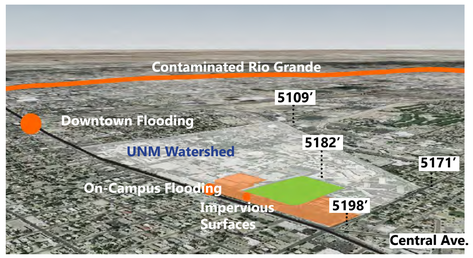
JOHNSON FIELD **(RE)**CREATION

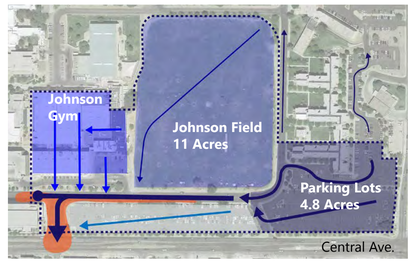
INCORPORATING GREEN INFRASTRUCTURE AND HABITAT INTO AN EDUCATIONAL RECREATION SPACE **D14**



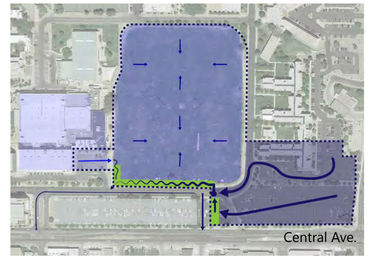
Site Problems and Watershed Elevations

Contaminated and Excessive Run-off South of Field

Flooding Downstream on Central Ave August 2, 2014 (Roberto E. Rosales/Albuquerque Journal)

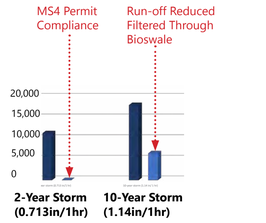


Current Stormwater Flow

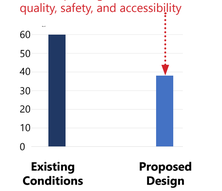


Proposed Stormwater Flow

Existing and Proposed Parking Lot Run-off (cf)



Potable Water Use (acre-feet/year)



Goals:

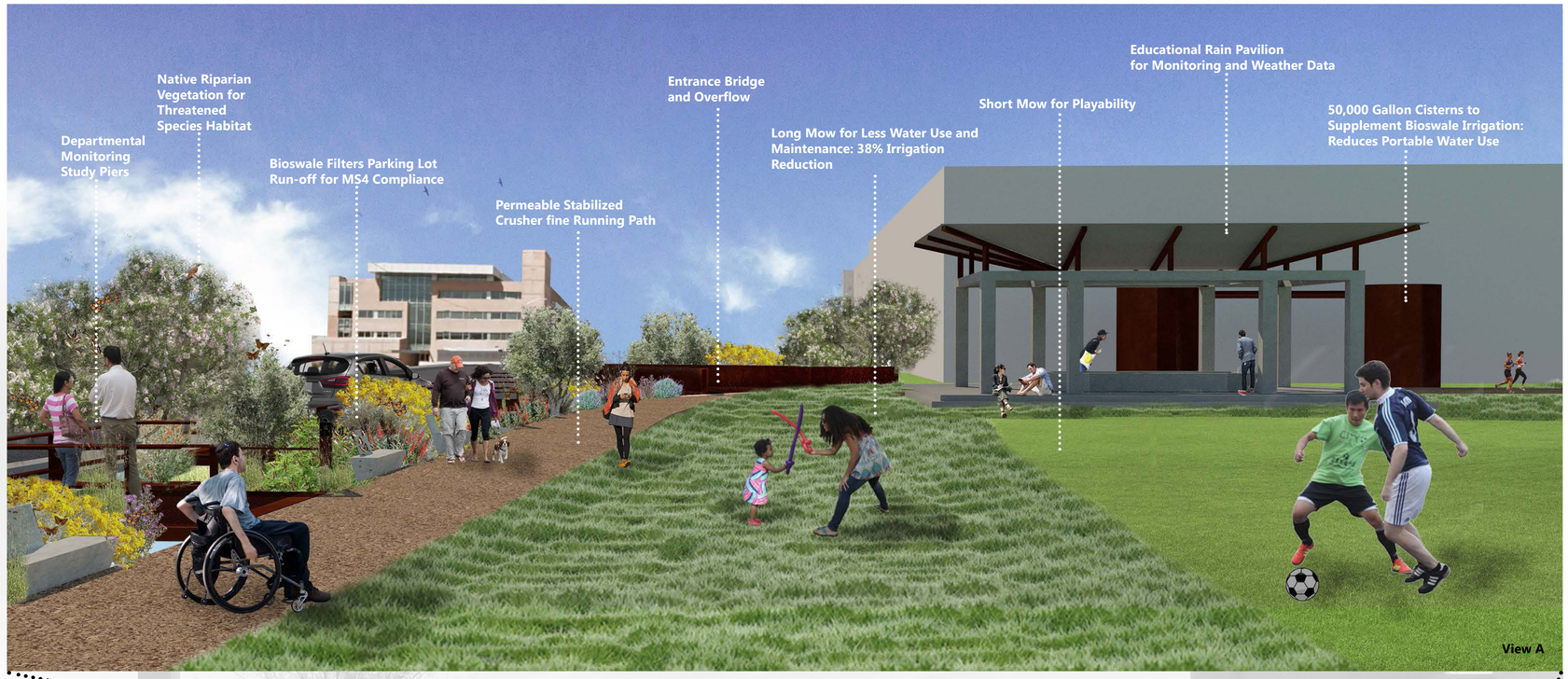
1. Watershed based MS4 compliance
2. Reduce flooding on campus and downstream
3. Use less potable water for irrigation
4. Create habitat for biodiversity

Methods:

- Capture infiltrate and filter stormwater run-off from parking lots in 475' bioswale planted with native riparian vegetation
- New sub-surface drip irrigation system
- Selection of native, drought adapted, and pollinator friendly plants
- Add 50,000 sq ft for habitat

Site Plan
Scale: 1"=150'

1. Initial planting filtration
2. Main entrance bridge
3. Bioswale filtration and riparian planting
4. New 6' sidewalk
5. Educational rain pavilion
6. Above ground educational cistern
7. New hardscaped paths
8. Foothills educational area
9. Tree grove areas
10. New bus bay for improved traffic circulation
11. Added ADA entrance
12. Gateway pavilions
13. Study piers
14. Bioswale overflow to street
15. Entrance bridge
16. Pedestrian table



View A