

City of Moore
Infrastructure Recovery and Implementation Plan (IRIP)
For May 20, 2013 Tornado Area



March 2015
Volume II of II



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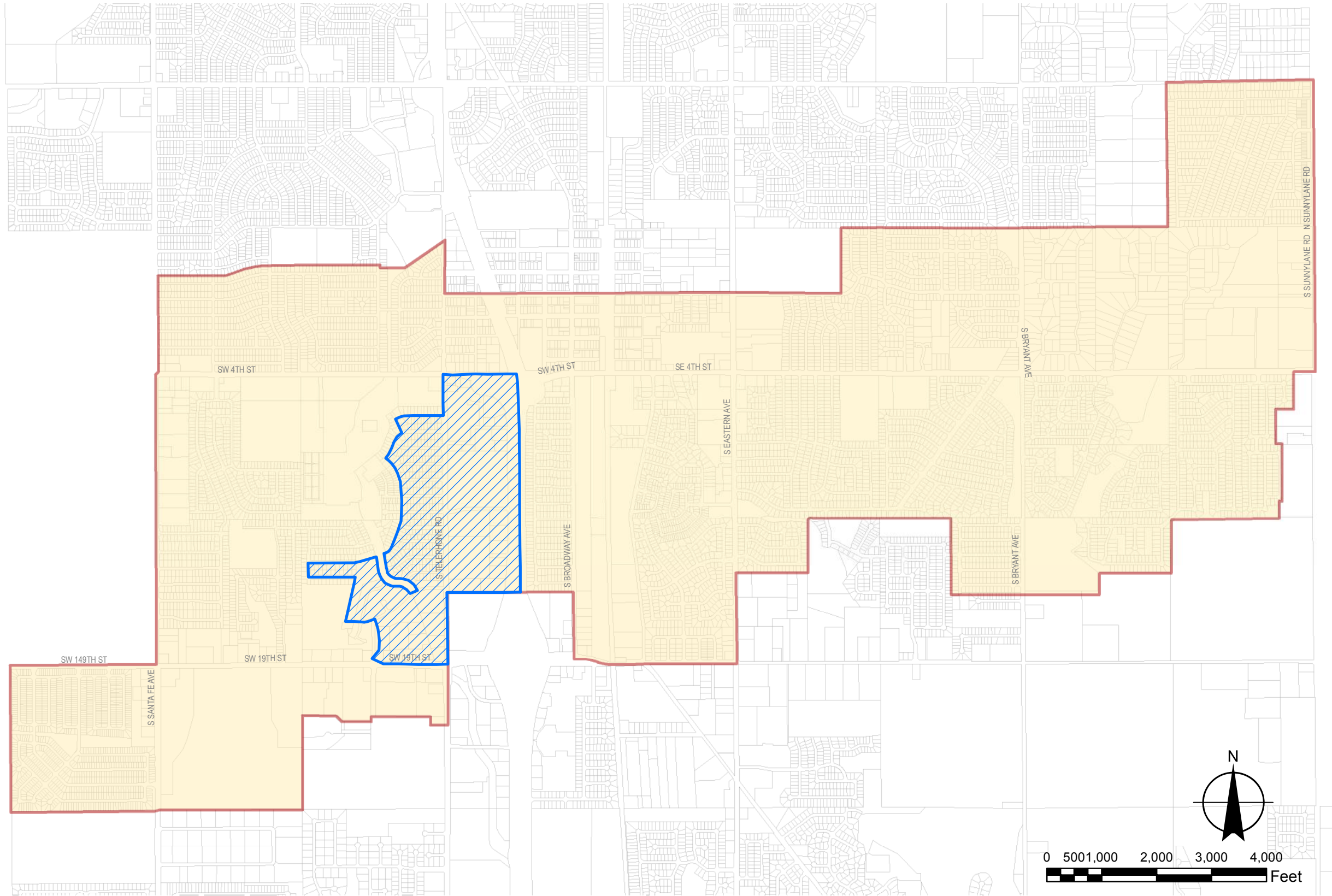
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

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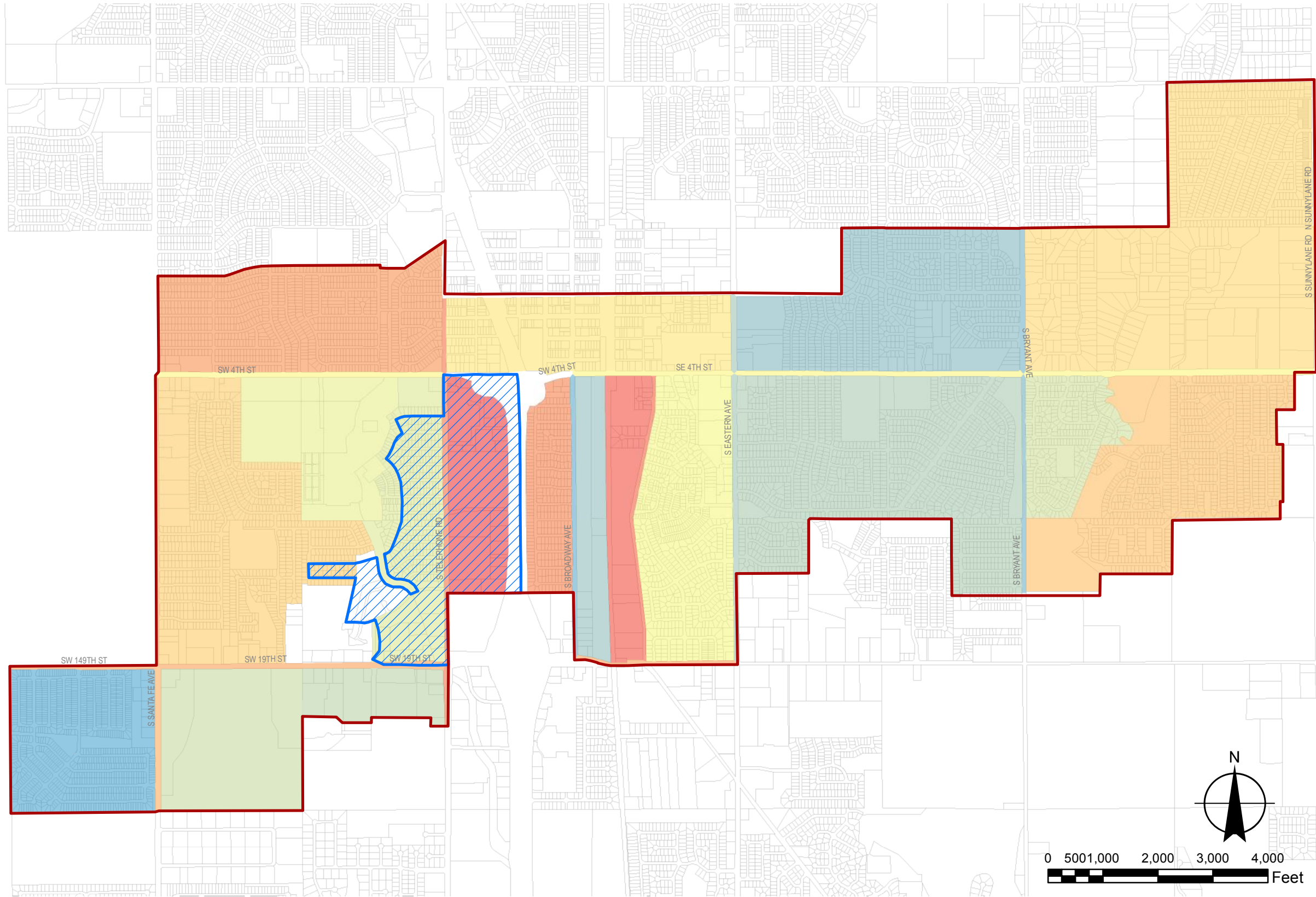
- LMI Census Block Groups**
-  40027.2016.04.2
-  IRIP Study Area
-  parcel



Infrastructure Recovery and Implementation Plan (IRIP)
for May 20, 2013 Tornado

Exhibit A2.1: Study Area Map





Legend

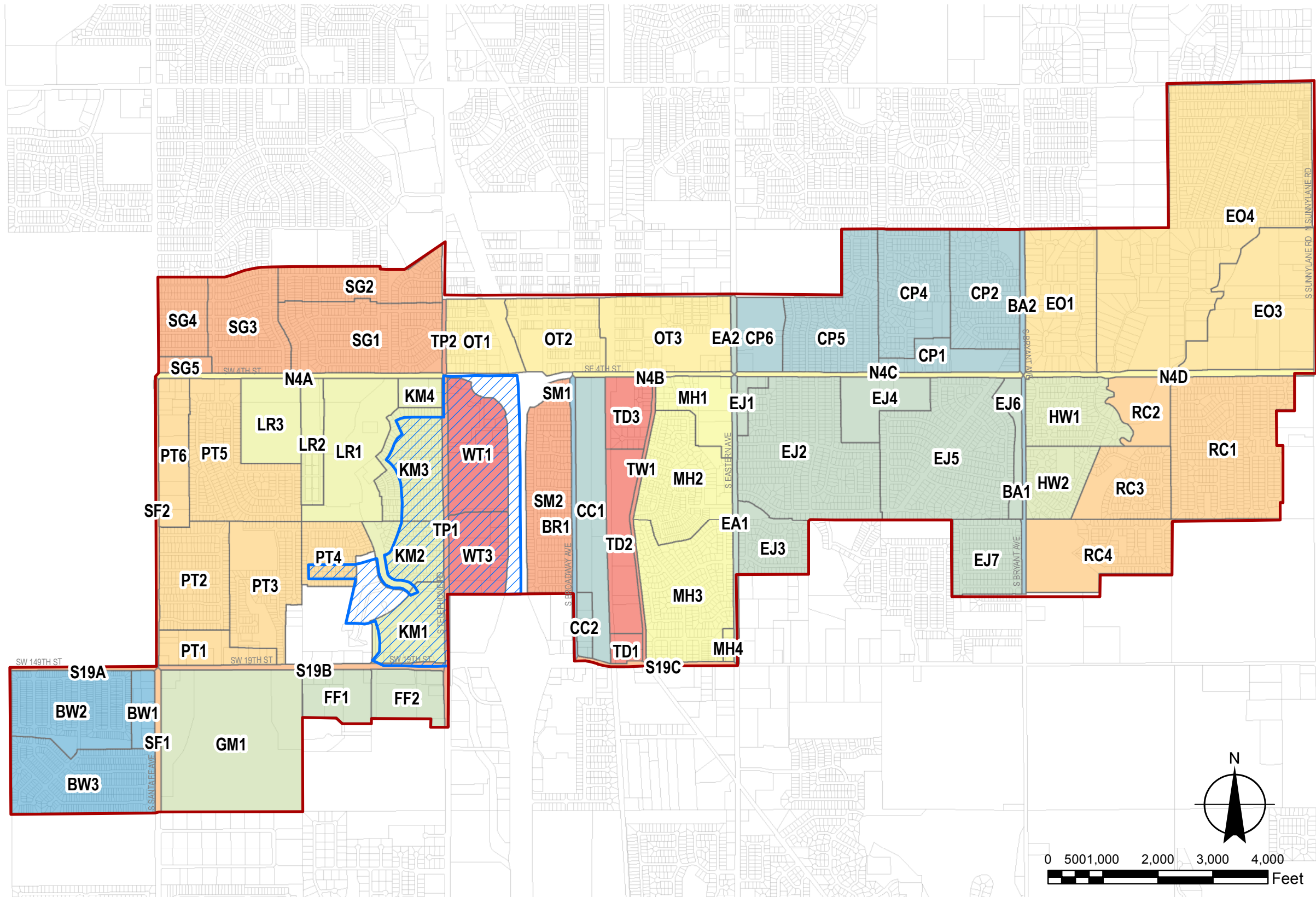
- IRIP Study Area
- LMI Census Block Groups**
 - 40027.2016.04.2
- AssessmentName**
 - Baer's Westmoore
 - Broadway Avenue
 - Bryant Avenue
 - Carriage Park
 - Community Center
 - Eastern Avenue
 - Eastmoor / JD Estates
 - Fritt's Farms
 - Greens at Moore
 - Heatherwood
 - King's Manor
 - Little River
 - Madison Place / Hunter's Glen
 - North 4th Street
 - Old Town
 - Olde Stonebridge
 - Plaza Towers
 - Rock Creek
 - Santa Fe Avenue
 - South 19th Street
 - Southgate
 - Southmoor
 - Telephone Road
 - Tower Drive
 - Tower Drive District
 - Warren Theater
 - parcel



Infrastructure Recovery and Implementation Plan (IRIP)
for May 20, 2013 Tornado

Exhibit A2.2: Assessment Zone Map





Legend

- IRIP Study Area
- LMI Census Block Groups**
- 40027.2016.04.2
- Assessment Zones**
- Baer's Westmoore
- Broadway Avenue
- Bryant Avenue
- Carriage Park
- Community Center
- Eastern Avenue
- Eastmoor / JD Estates
- Fritt's Farms
- Greens at Moore
- Heatherwood
- King's Manor
- Little River
- Madison Place / Hunter's Glen
- North 4th Street
- Old Town
- Olde Stonebridge
- Plaza Towers
- Rock Creek
- Santa Fe Avenue
- South 19th Street
- Southmoor
- Telephone Road
- Tower Drive
- Tower Drive District
- Warren Theater
- parcel

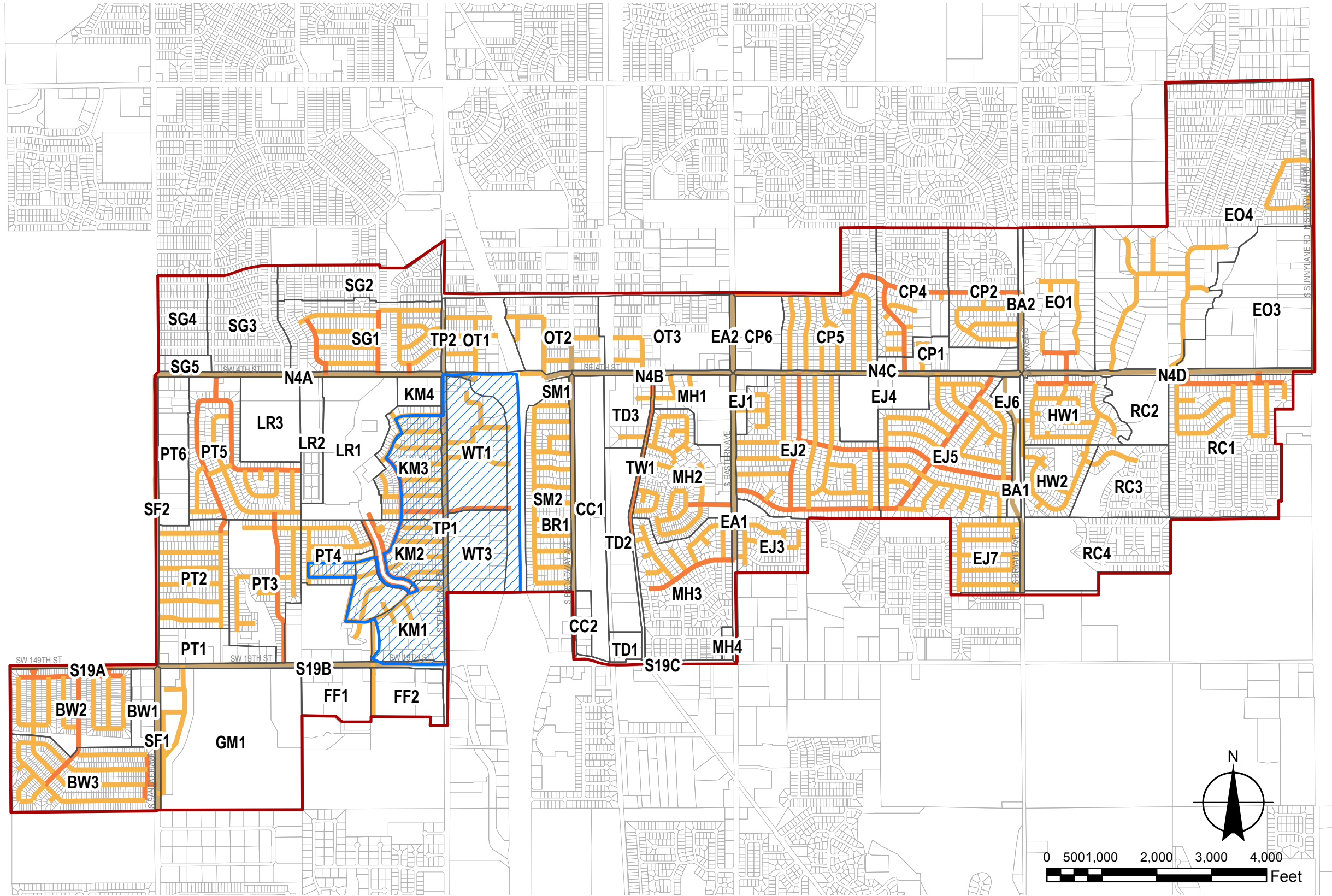


Infrastructure Recovery and Implementation Plan (IRIP)
for May 20, 2013 Tornado

Exhibit A2.3: Assessment Sub-Area Map



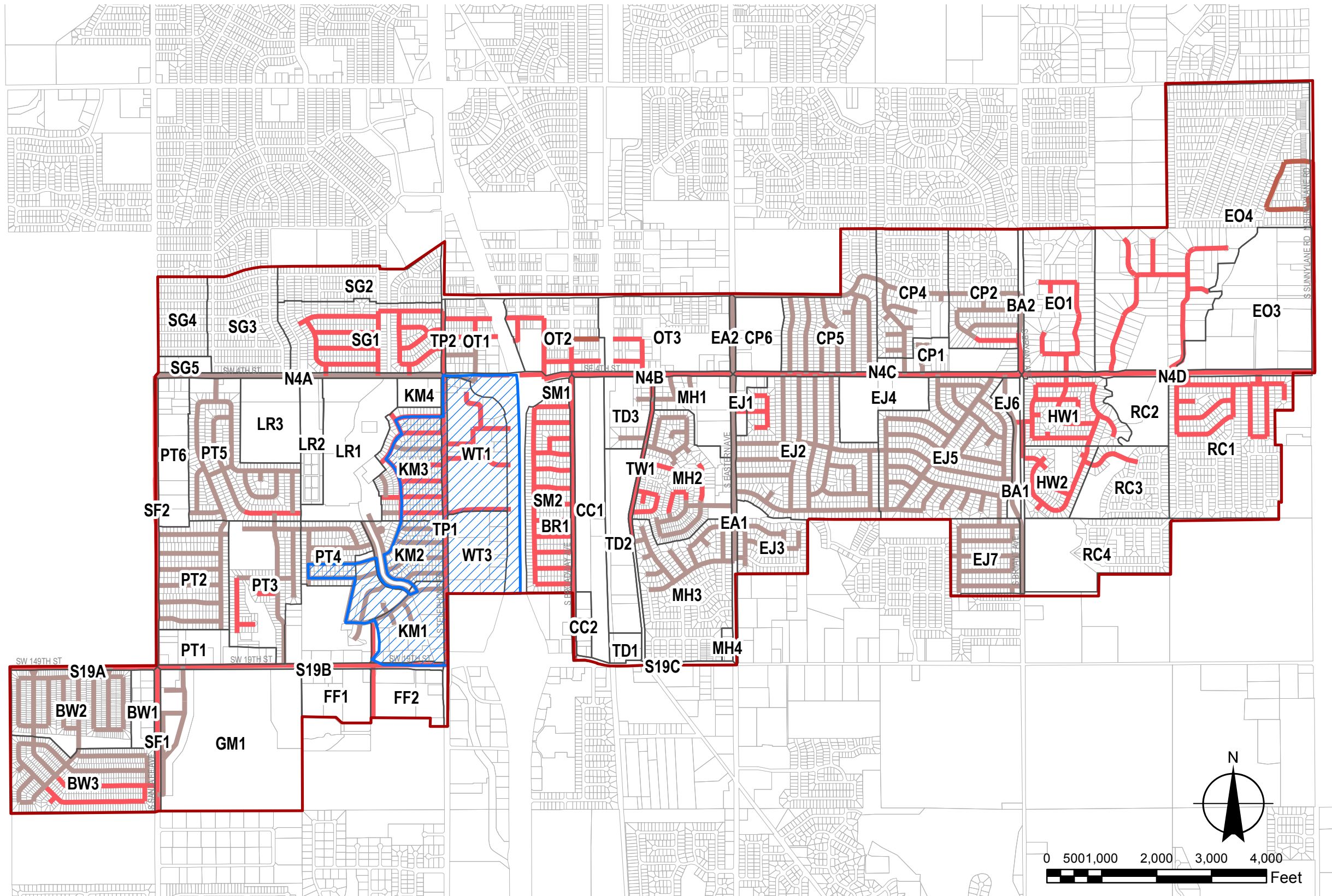
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Infrastructure Recovery and Implementation Plan (IRIP)
for May 20, 2013 Tornado

Exhibit A2.4: Functional Road Classifications

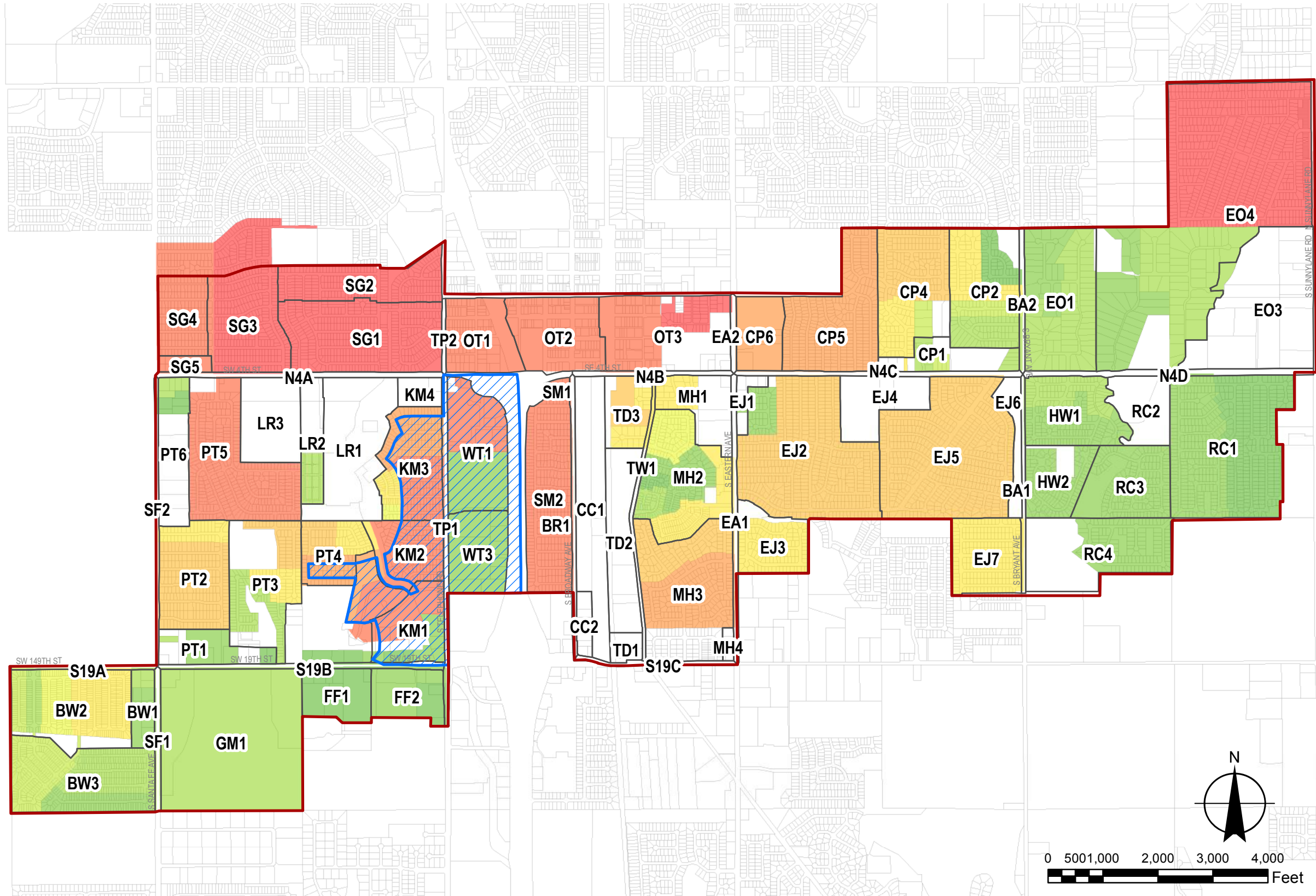




Infrastructure Recovery and Implementation Plan (IRIP)
for May 20, 2013 Tornado

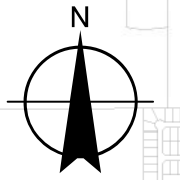
Exhibit A2.5: Public Roadway Material Map





Legend

- IRIP Study Area
- LMI Census Block Groups
- 40027.2016.04.2
- Assessment SubAreas
- Plat Age (years)
- 1 - 7
- 8 - 12
- 13 - 18
- 19 - 24
- 25 - 30
- 31 - 35
- 36 - 41
- 42 - 47
- 48 - 52
- 53 - 58
- parcel

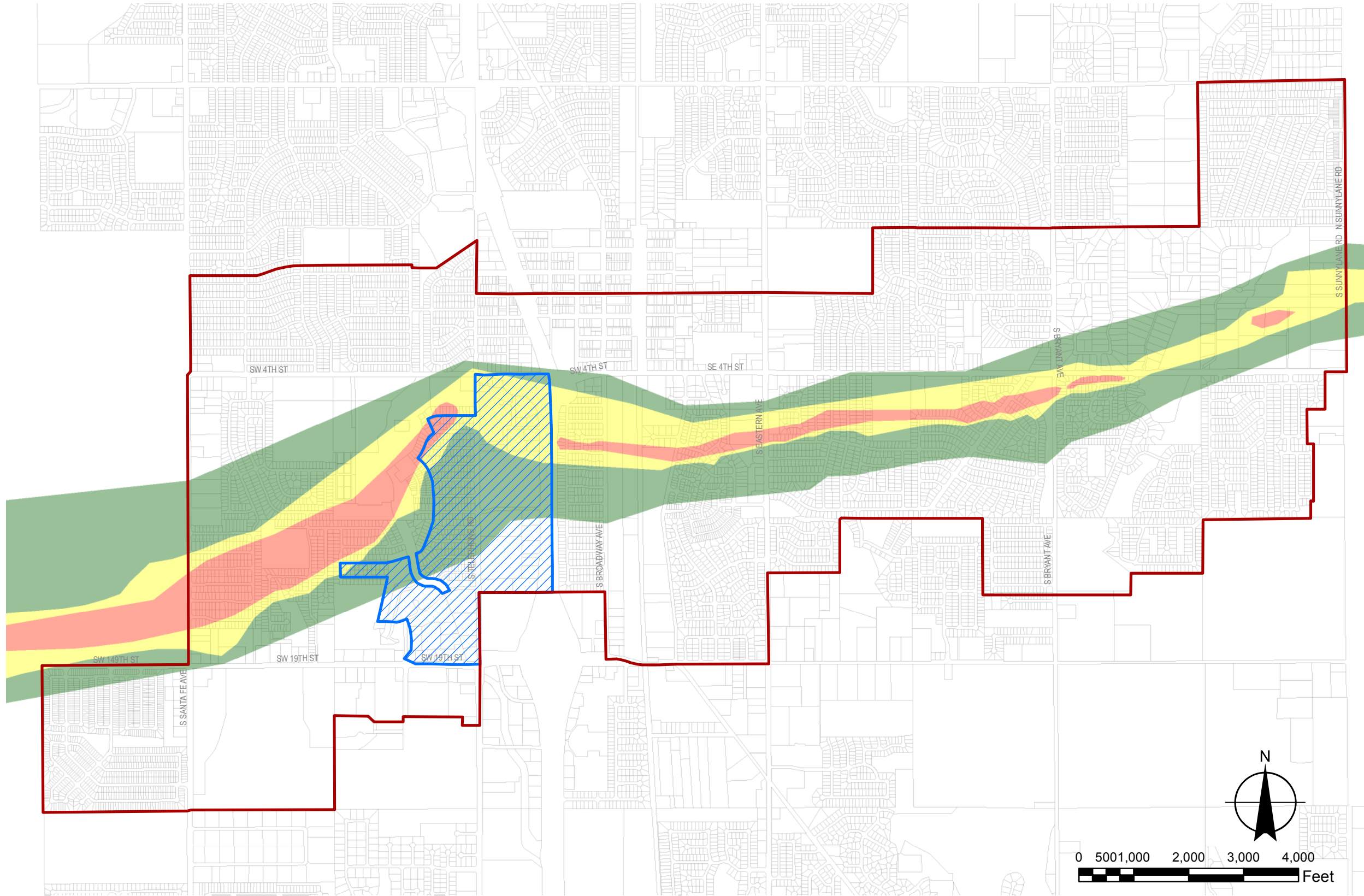


Infrastructure Recovery and Implementation Plan (IRIP)
for May 20, 2013 Tornado

Exhibit A2.6: Final Plat Age Map



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Legend

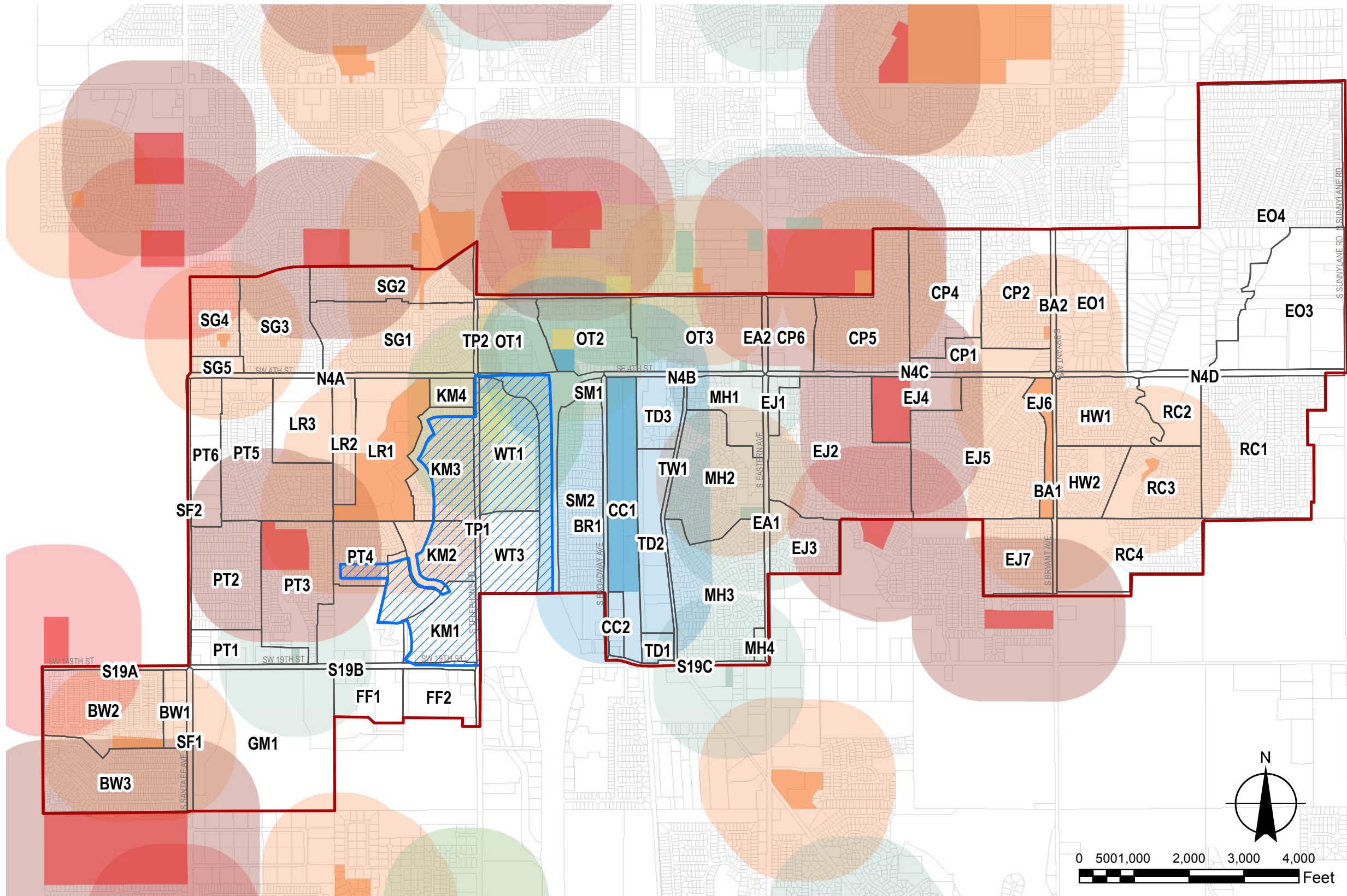
- IRIP Study Area
- LMI Census Block Groups
- 40027.2016.04.2
- May 2013 Tornado Damage
- EF Rating
- EF0 to EF2
- EF2 to EF4
- EF4 to EF5
- parcel



Infrastructure Recovery and Implementation Plan (IRIP)
for May 20, 2013 Tornado

Exhibit A2.7: Published FEMA Damage Limits





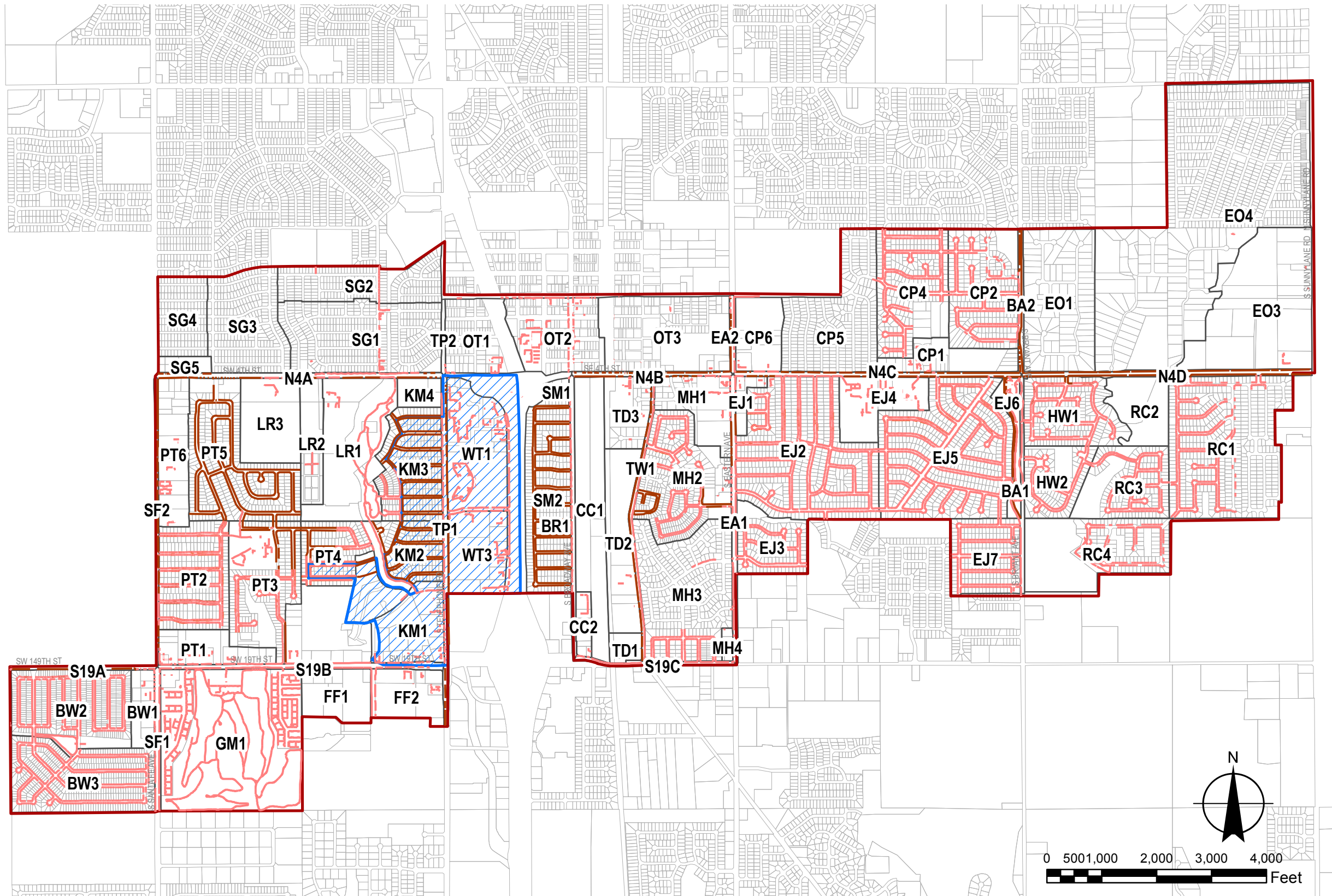
- Legend**
- IRIP Study Area
 - LMI Census Block Groups**
 - 40027.2016.04.2
 - Assessment SubAreas
 - Facility Type**
 - Community Center
 - Critical Water User
 - Emergency Facility
 - Library
 - Park
 - School
 - Community Center (0.25-mi buffer)
 - Critical Water User (0.25-mi buffer)
 - Emergency Facility (0.25-mi buffer)
 - Library (0.25-mi buffer)
 - Park (0.25-mi buffer)
 - Elementary School (0.25-mi buffer)
 - High School 0.25 (0.25-mi buffer)
 - parcel



Infrastructure Recovery and Implementation Plan (IRIP)
for May 20, 2013 Tornado

Exhibit A2.8: Proximity Analysis Map





Legend

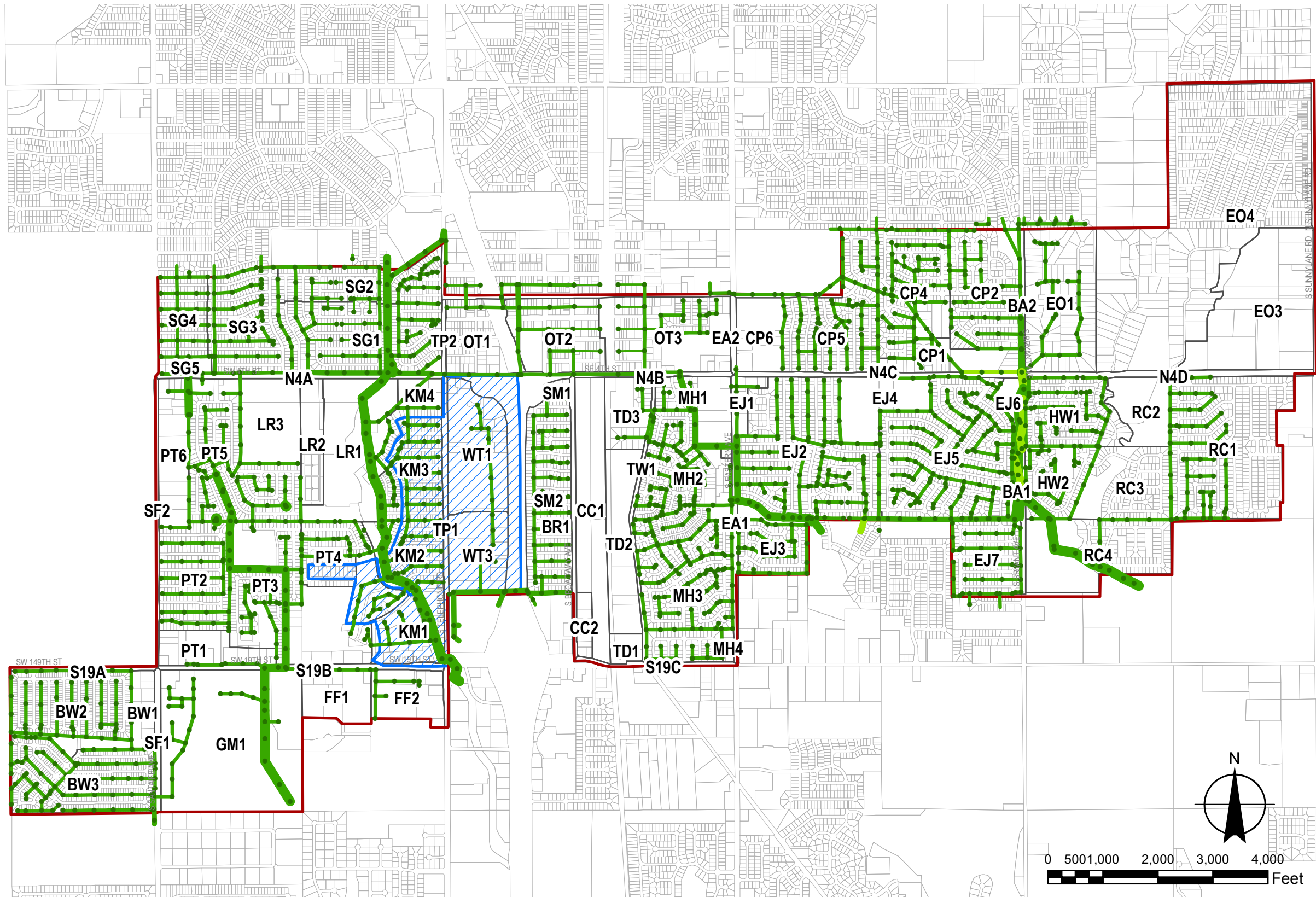
- 2010 Sidewalk Inventory
- Assessment Line**
- Sidewalk Field Assessment**
- Anticipated Future Damage
- Sidewalk Missing or Not Continuous
- IRIP Study Area
- LMI Census Block Groups**
- 40027.2016.04.2
- Assessment SubAreas
- parcel



Infrastructure Recovery and Implementation Plan (IRIP)
for May 20, 2013 Tornado

Exhibit A2.9: Sidewalk Data

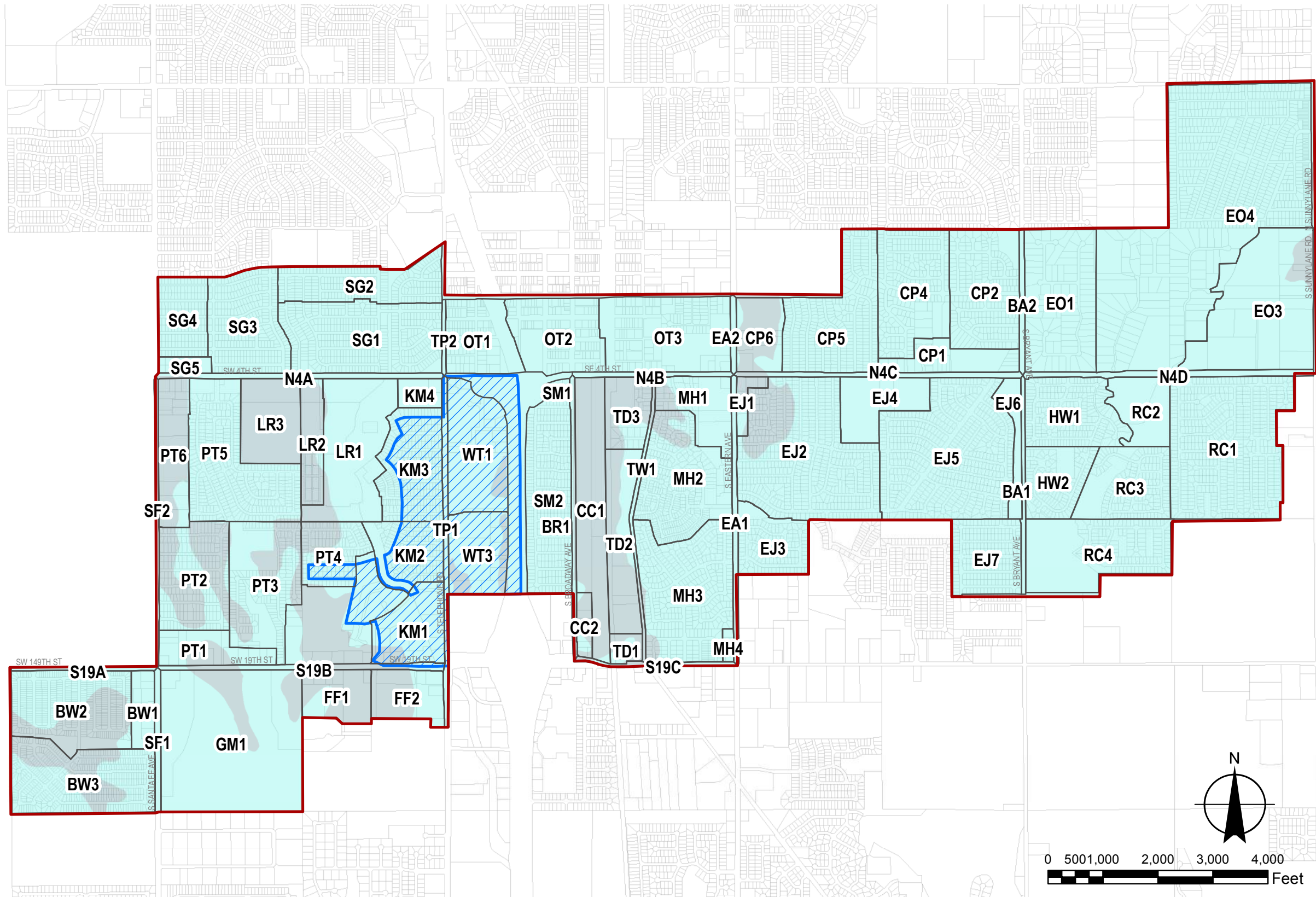




Infrastructure Recovery and Implementation Plan (IRIP)
for May 20, 2013 Tornado

Exhibit A2.10: Existing Sanitary Sewer Infrastructure Inventory





Legend

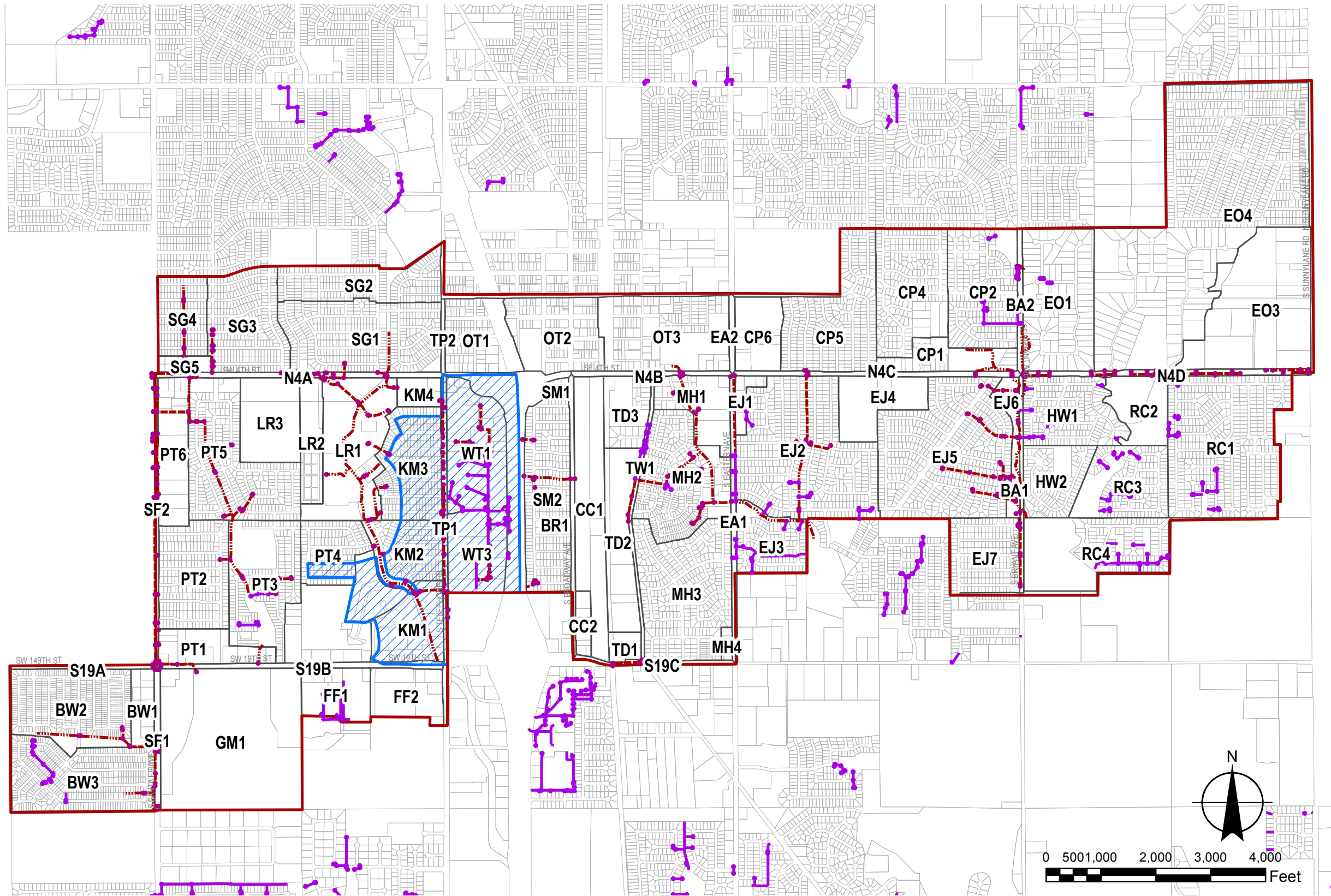
- IRIP Study Area
- Assessment SubAreas
- LMI Census Block Groups**
 - 40027.2016.04.2
- NRCS Concrete Corrosivity**
 - Low Potential
 - Moderate Potential
 - parcel



Infrastructure Recovery and Implementation Plan (IRIP)
for May 20, 2013 Tornado

Exhibit A2.11: NRCS Soil Data (Concrete Corrosion Potential)





Legend

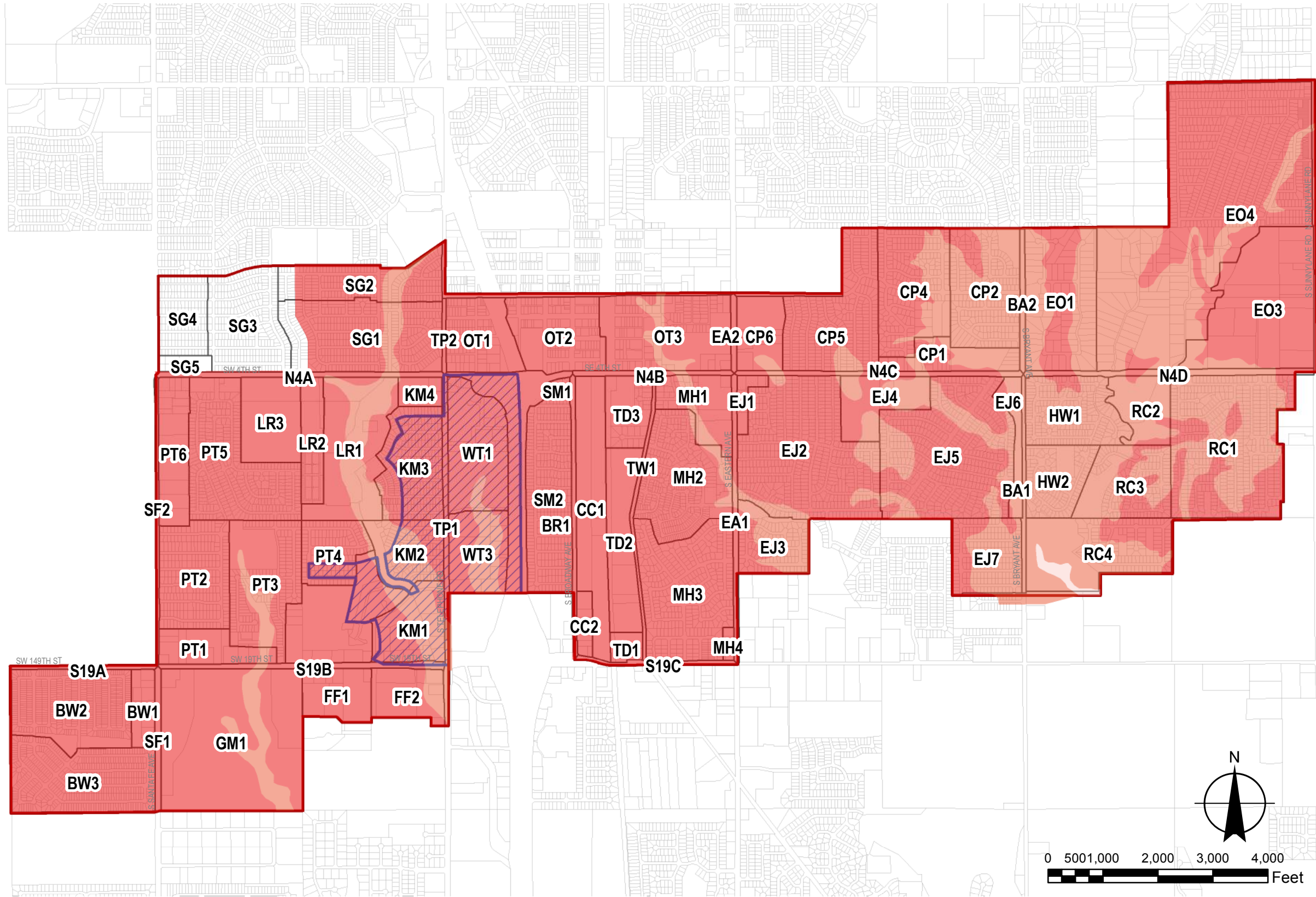
- Structures
- Storm Sewer
- Structures (Undocumented)
- Storm Sewer (Undocumented)
- Channel (Undocumented)
- IRIP Study Area
- LMI Census Block Groups**
- 40027.2016.04.2
- Assessment SubAreas
- parcel



Infrastructure Recovery and Implementation Plan (IRIP)
for May 20, 2013 Tornado

Exhibit A2.12: Existing Drainage Infrastructure Inventory





Legend

NRCS Soil Data

- High Steel Corrosion Potential
- Moderate Steel Corrosion Potential
- Low Steel Corrosion Potential

IRIP Study Area

LMI Census Block Groups

- 40027.2016.04.2
- Assessment SubAreas
- parcel

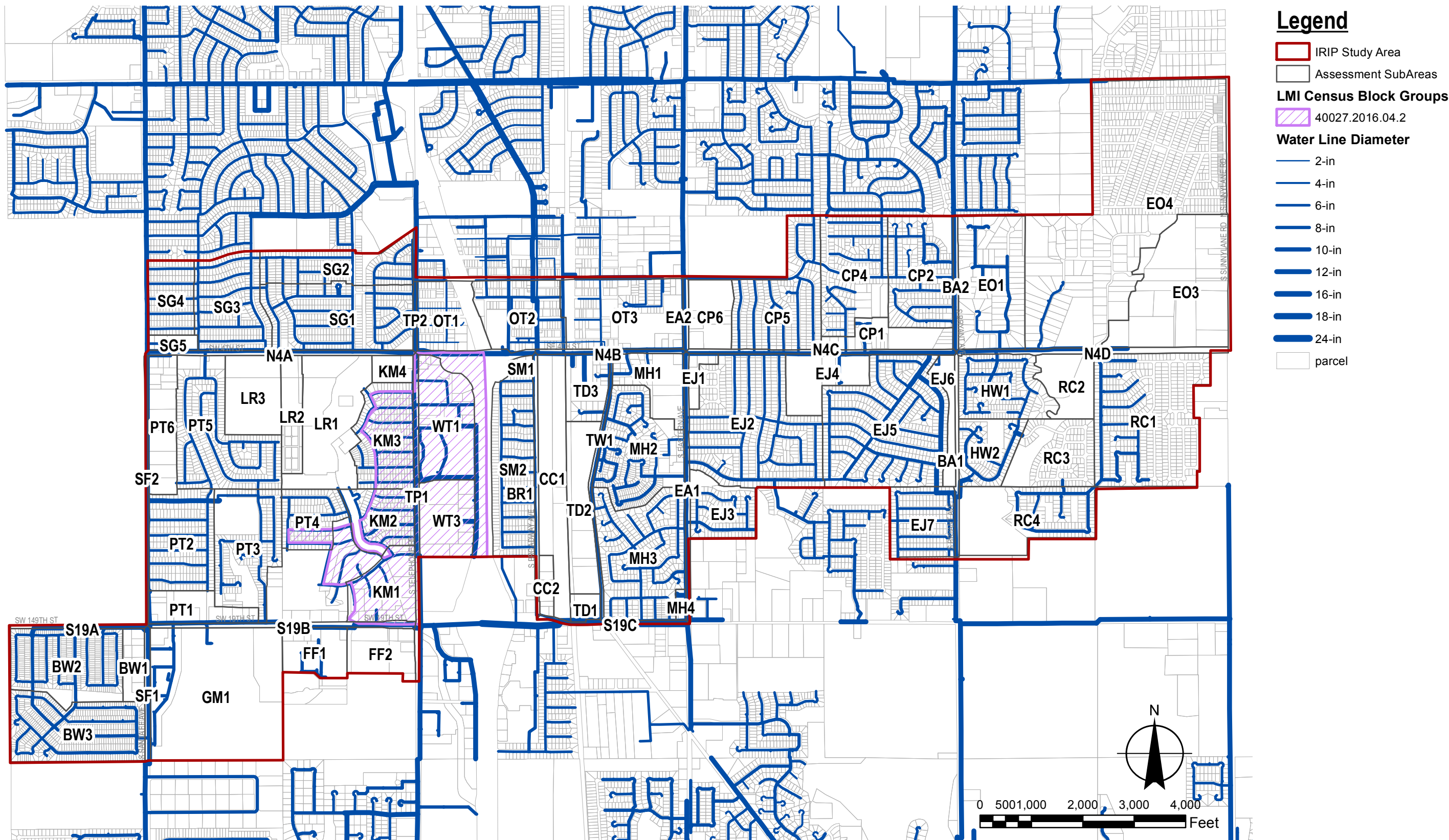


Infrastructure Recovery and Implementation Plan (IRIP)
for May 20, 2013 Tornado

Exhibit A2.13: NRCS Soil Data (Steel Corrosion Potential)



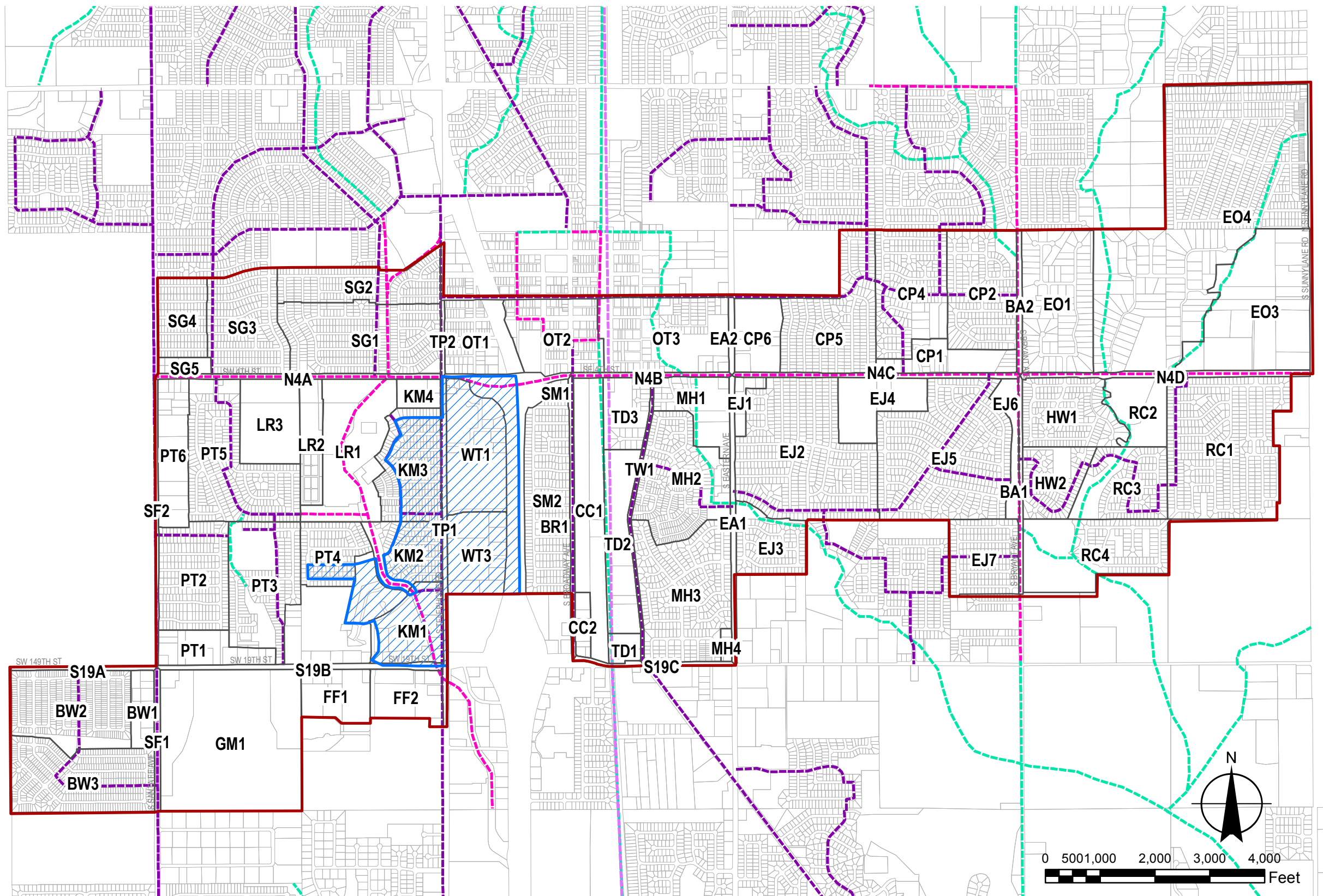
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Infrastructure Recovery and Implementation Plan (IRIP)
for May 20, 2013 Tornado

Exhibit A2.14: Existing Water Distribution Infrastructure Inventory

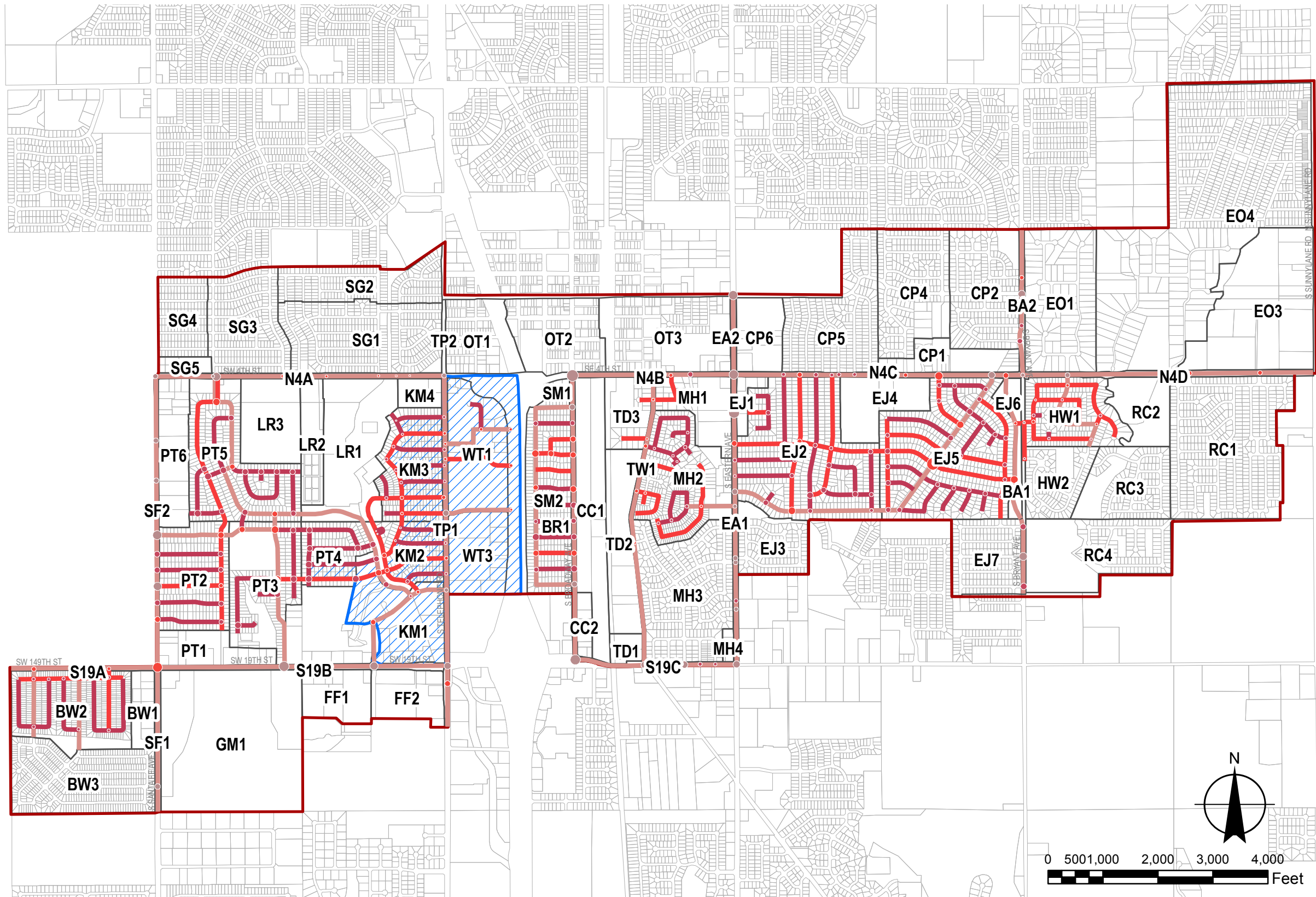




Infrastructure Recovery and Implementation Plan (IRIP)
for May 20, 2013 Tornado

Exhibit A2.15: PATH 2022 Bikeway/Trail Master Plan





Legend

Assessment Area

Proposed Intersection Type

- Intersection: Type A
- Intersection: Type B
- Intersection: Type C

Assessment Line

Proposed Streetscape Type

- Streetscape: Type A
- Streetscape: Type B
- Streetscape: Type C
- IRIP Study Area

LMI Census Block Groups

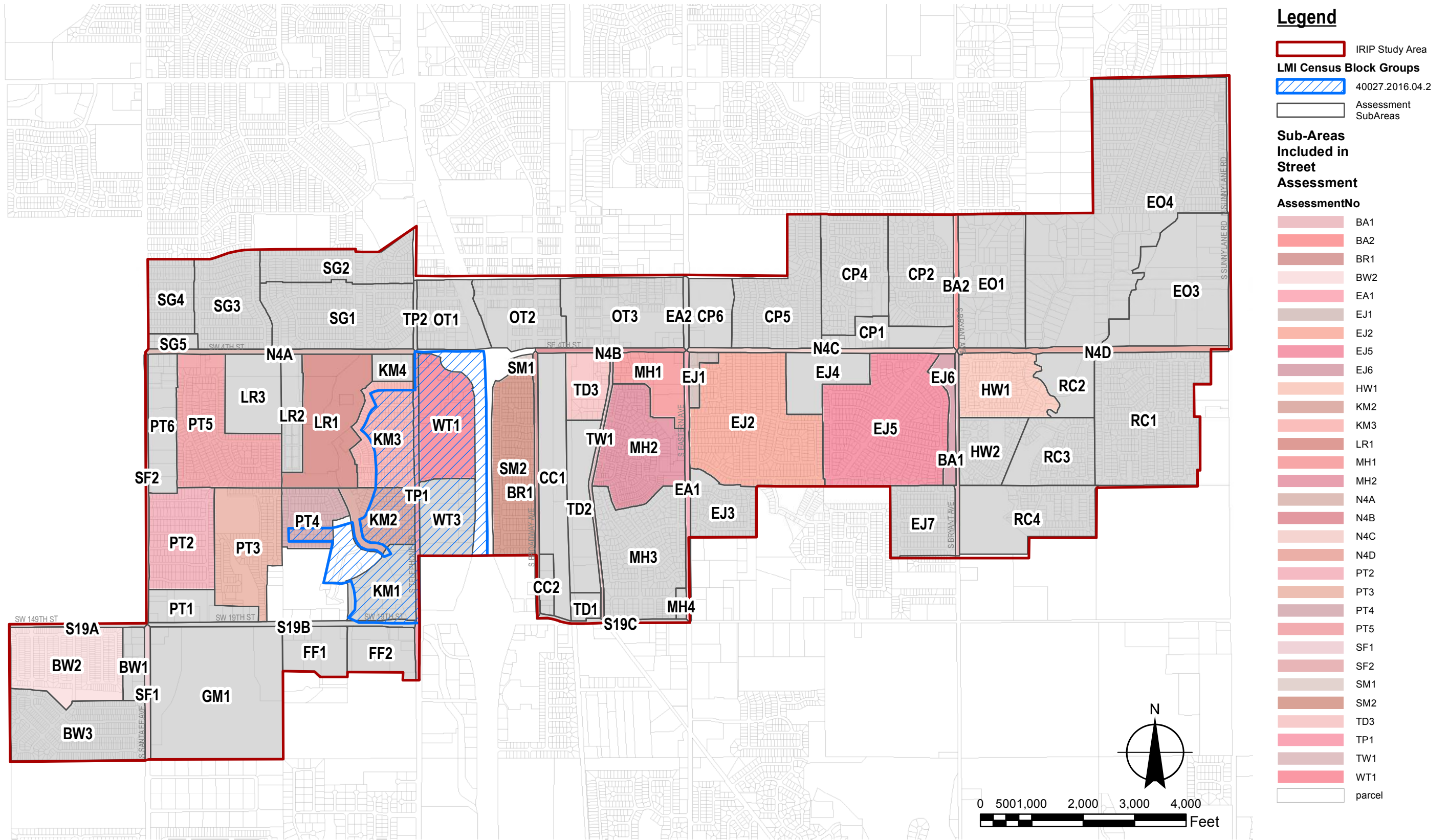
- 40027.2016.04.2
- Assessment SubAreas
- parcel



Infrastructure Recovery and Implementation Plan (IRIP)
for May 20, 2013 Tornado

Exhibit A2.16: Proposed Gateway/Streetscape Configuration

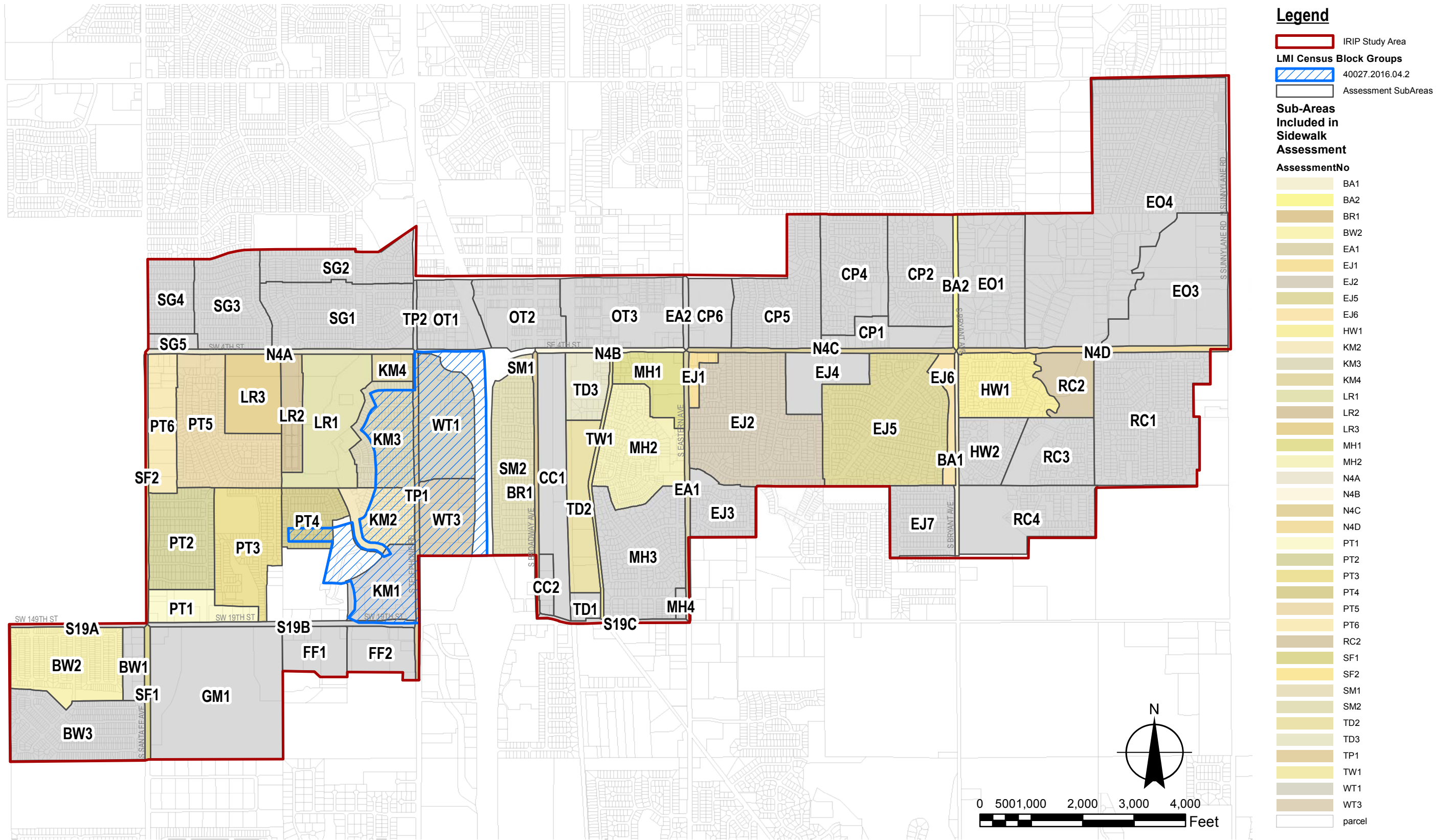




Infrastructure Recovery and Implementation Plan (IRIP)
for May 20, 2013 Tornado

Exhibit A2.17: Assessment Scope Adjustments (Streets)

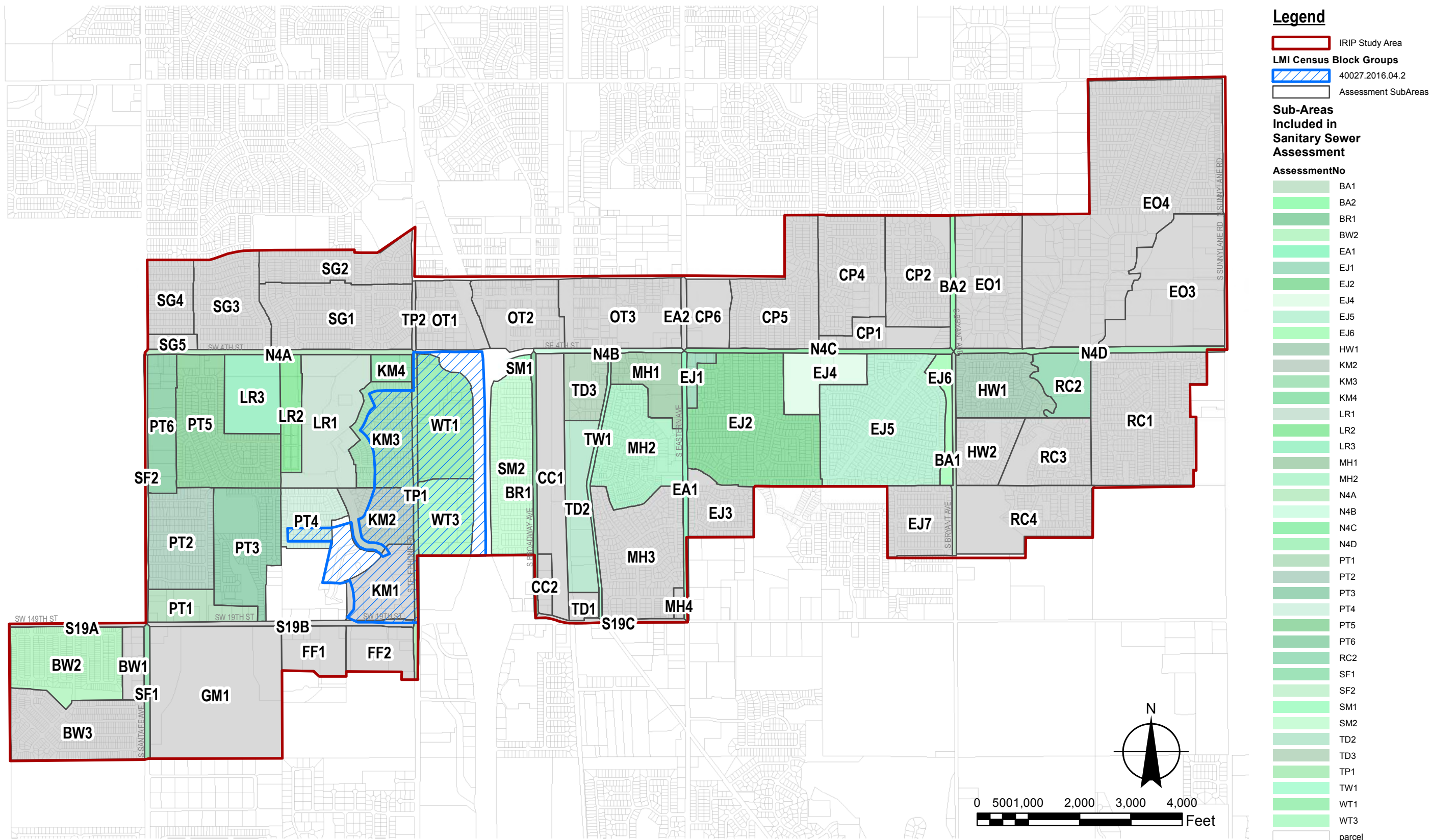




Infrastructure Recovery and Implementation Plan (IRIP)
for May 20, 2013 Tornado

Exhibit A2.18: Assessment Scope Adjustments (Sidewalks)



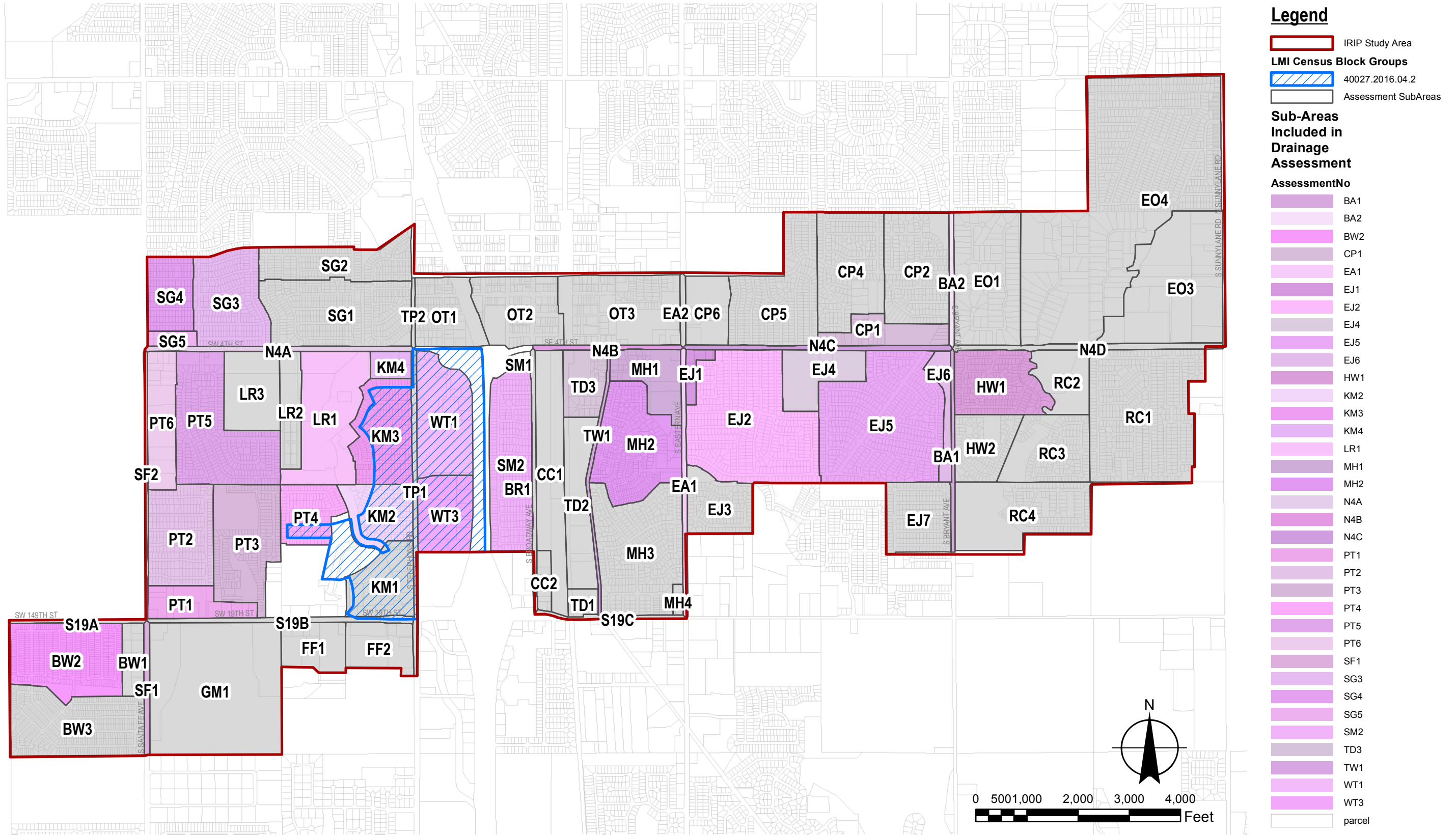


Infrastructure Recovery and Implementation Plan (IRIP)
for May 20, 2013 Tornado

Exhibit A2.19: Assessment Scope Adjustments (Sanitary Sewer)



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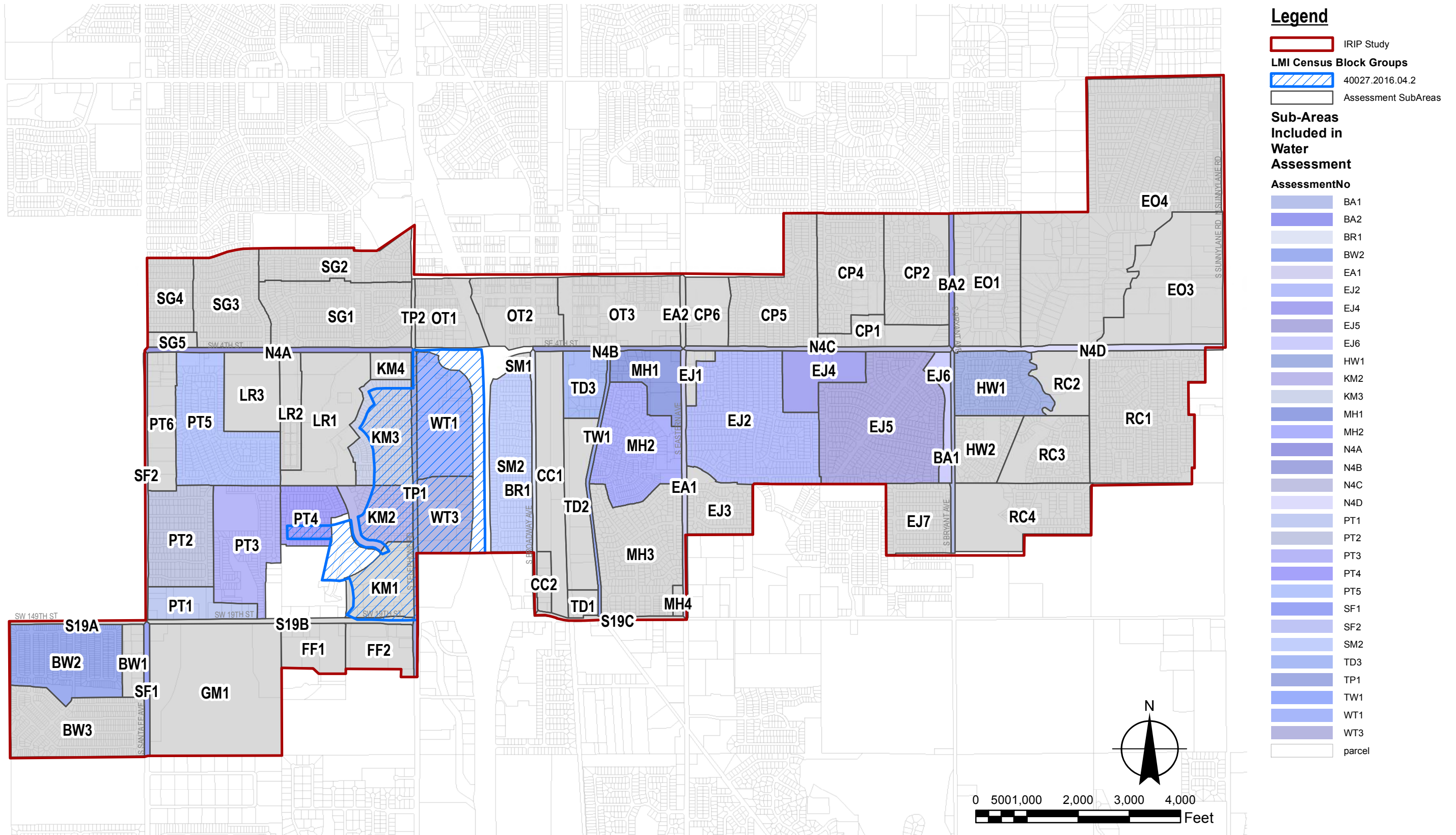


Infrastructure Recovery and Implementation Plan (IRIP)
for May 20, 2013 Tornado

Exhibit A2.20: Assessment Scope Adjustments (Drainage)



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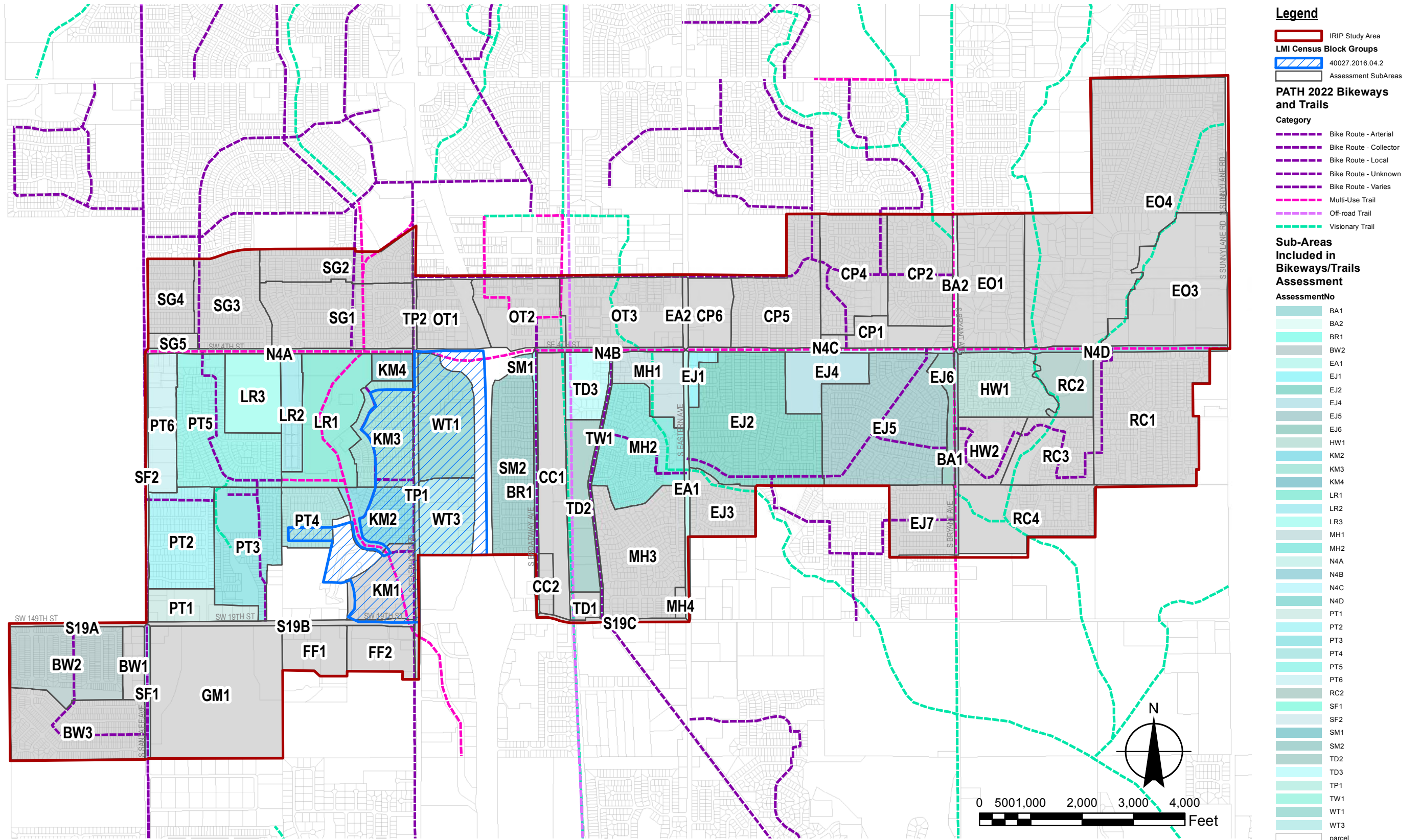


Infrastructure Recovery and Implementation Plan (IRIP)
for May 20, 2013 Tornado

Exhibit A2.21: Assessment Scope Adjustments (Water Distribution)



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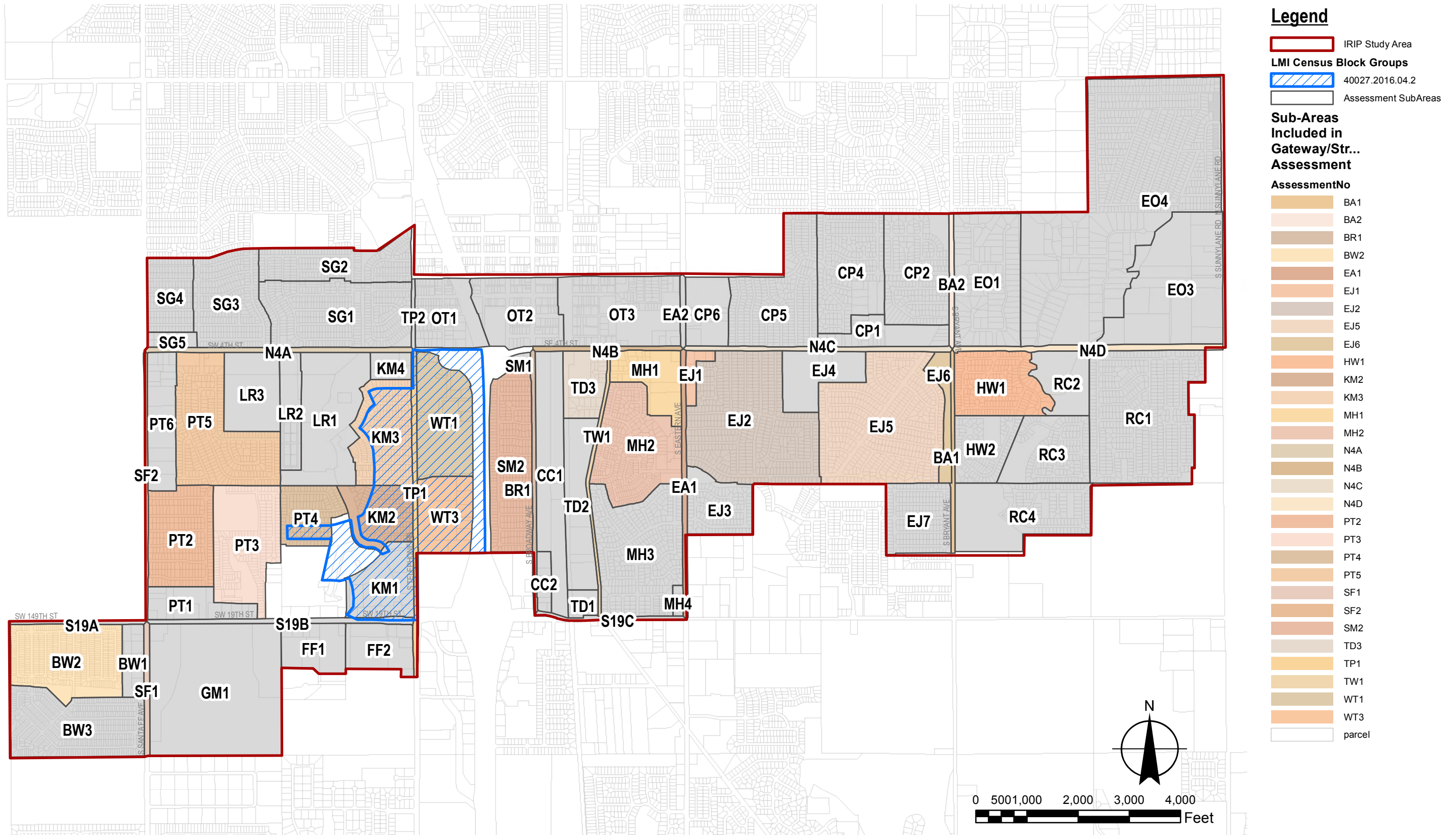


Infrastructure Recovery and Implementation Plan (IRIP)
for May 20, 2013 Tornado

Exhibit A2.22: Assessment Scope Adjustments (Bikeways/Trails)



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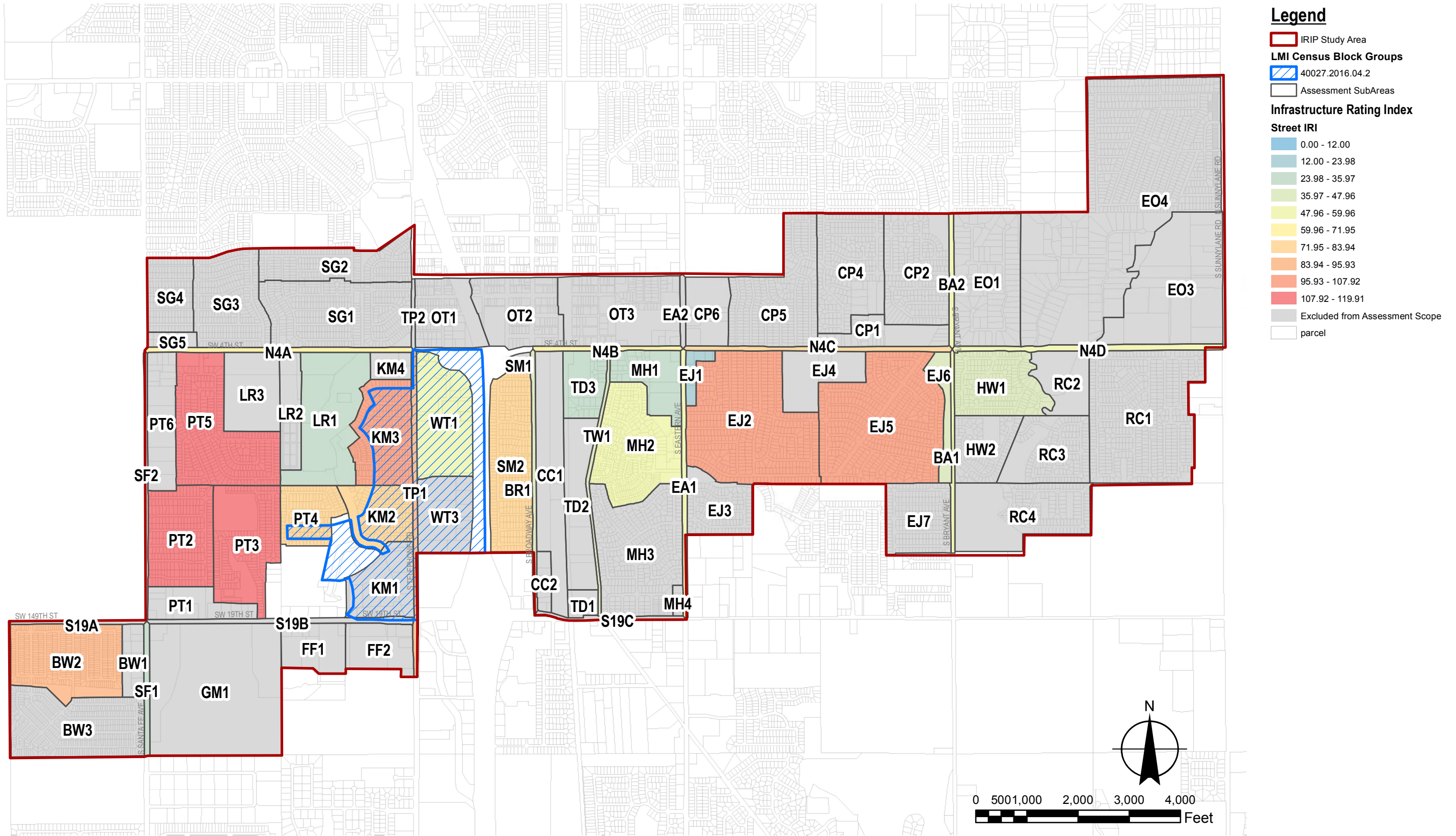


Infrastructure Recovery and Implementation Plan (IRIP)
for May 20, 2013 Tornado

Exhibit A2.23: Assessment Scope Adjustments (Gateway/Streetscape)



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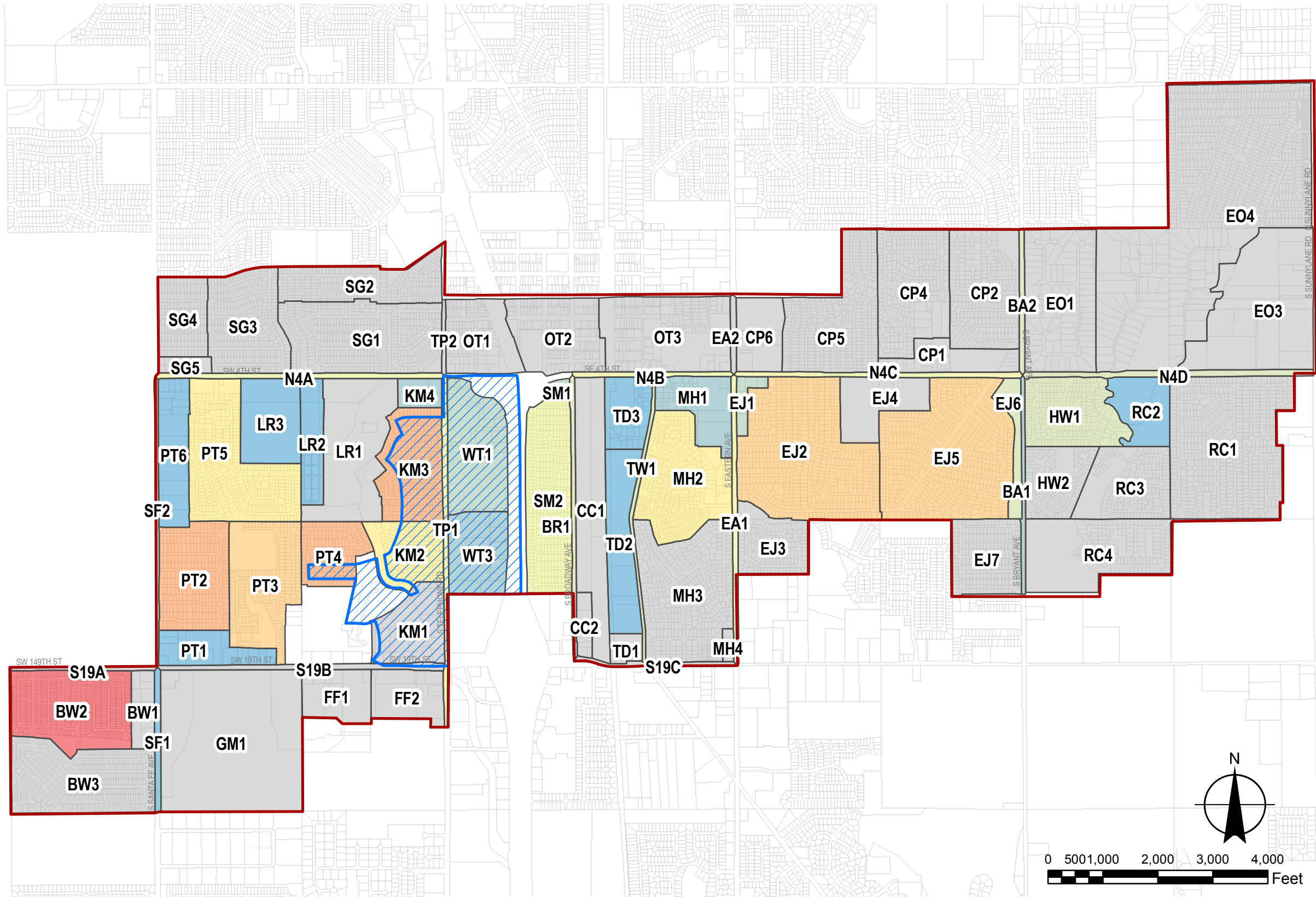


Infrastructure Recovery and Implementation Plan (IRIP)
for May 20, 2013 Tornado

Exhibit A2.24: Infrastructure Rating Index (Streets)



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Legend

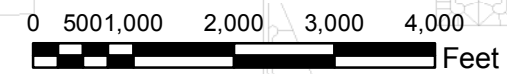
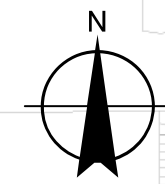
- IRIP Study
- LMI Census Block Groups
- 40027.2016.04.2
- Assessment SubAreas

Infrastructure Rating Index

Sidewalk IRI

4.60 - 16.28
16.28 - 27.97
27.97 - 39.65
39.65 - 51.33
51.33 - 63.02
63.02 - 74.70
74.70 - 86.38
86.38 - 98.06
98.06 - 109.75
109.75 - 121.43

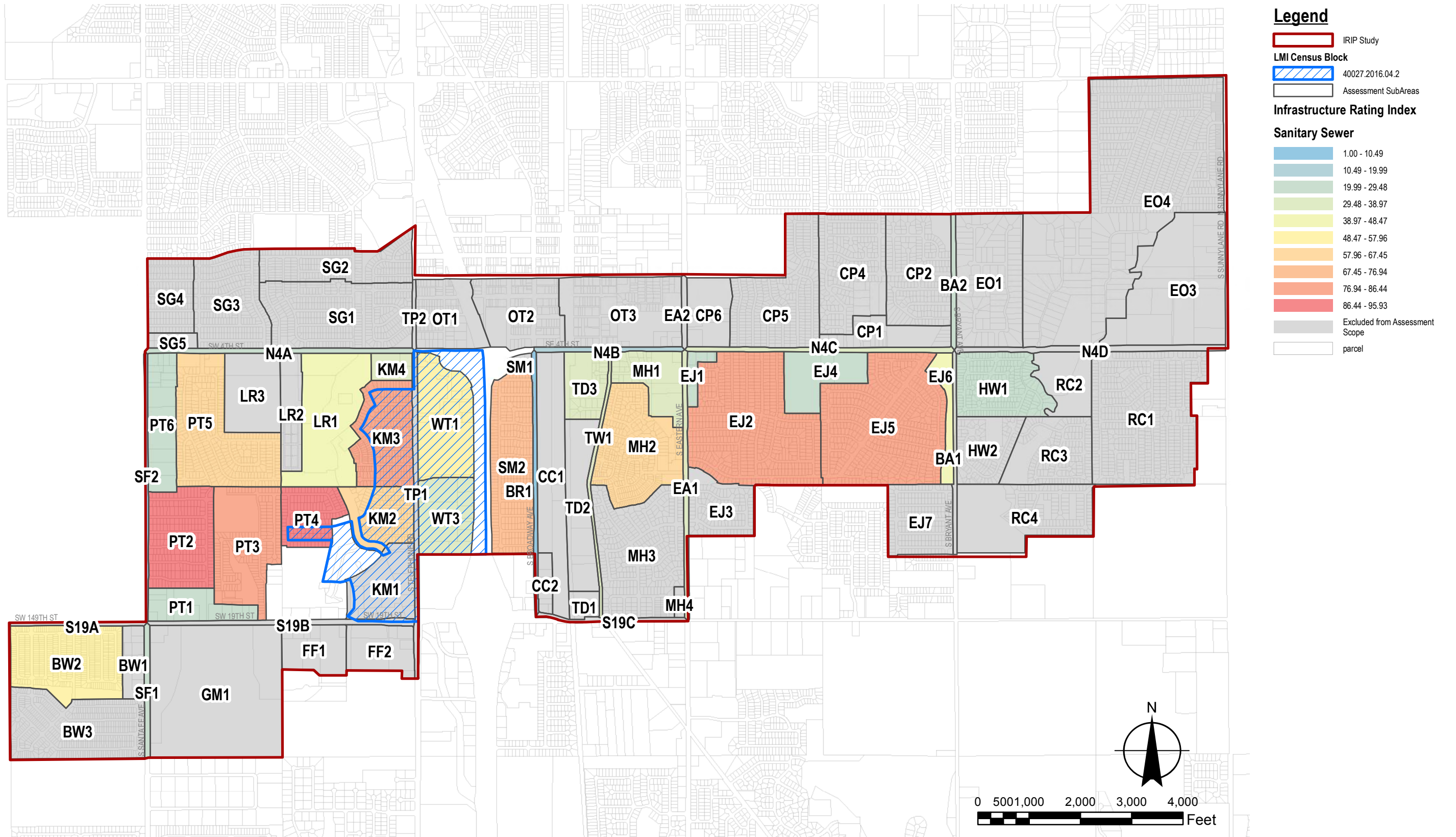
Excluded from Assessment Scope
parcel



Infrastructure Recovery and Implementation Plan (IRIP)
for May 20, 2013 Tornado

Exhibit A2.25: Infrastructure Rating Index (Sidewalks)

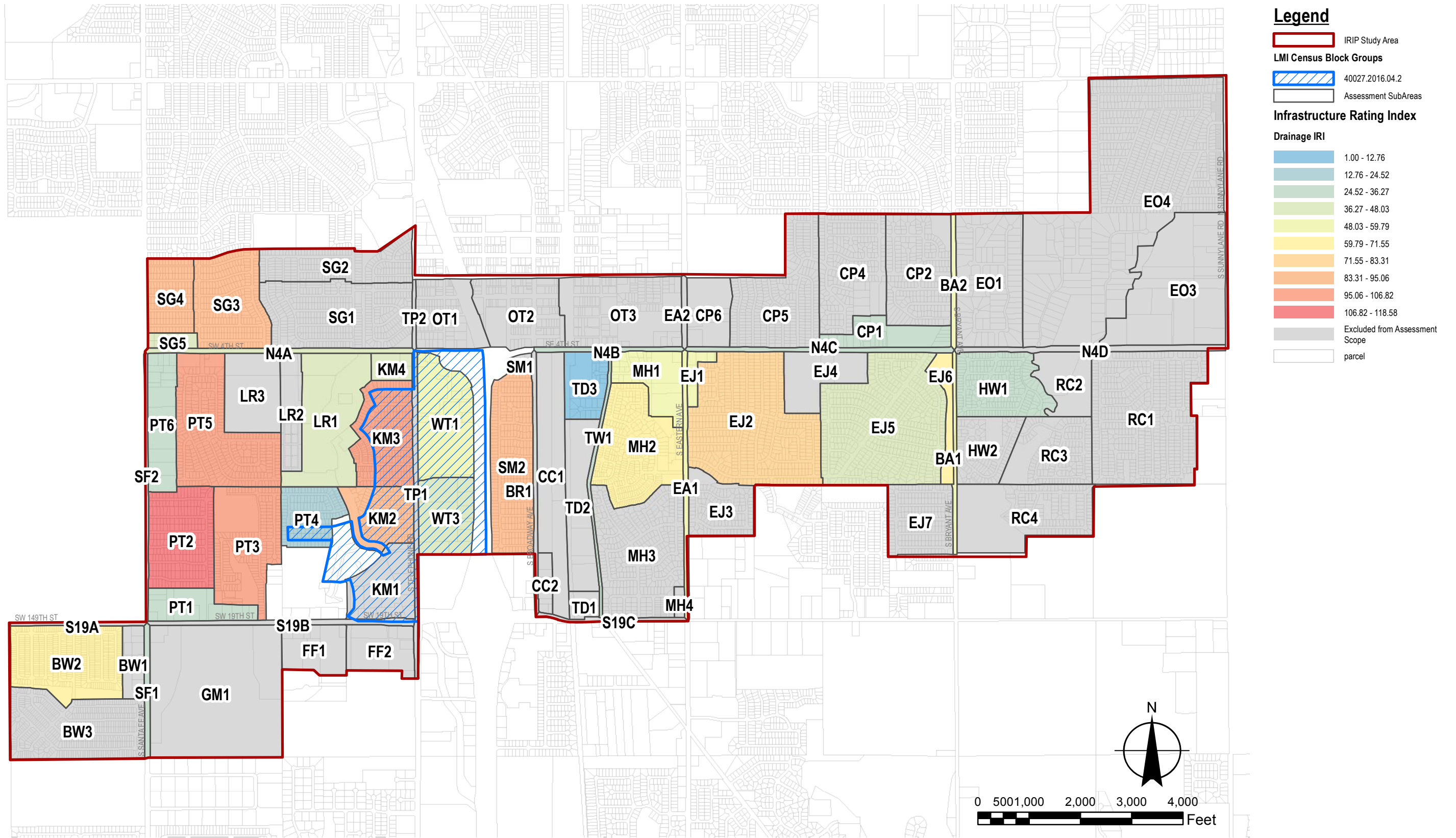




Infrastructure Recovery and Implementation Plan (IRIP)
for May 20, 2013 Tornado

Exhibit A2.26: Infrastructure Rating Index (Sanitary Sewer)

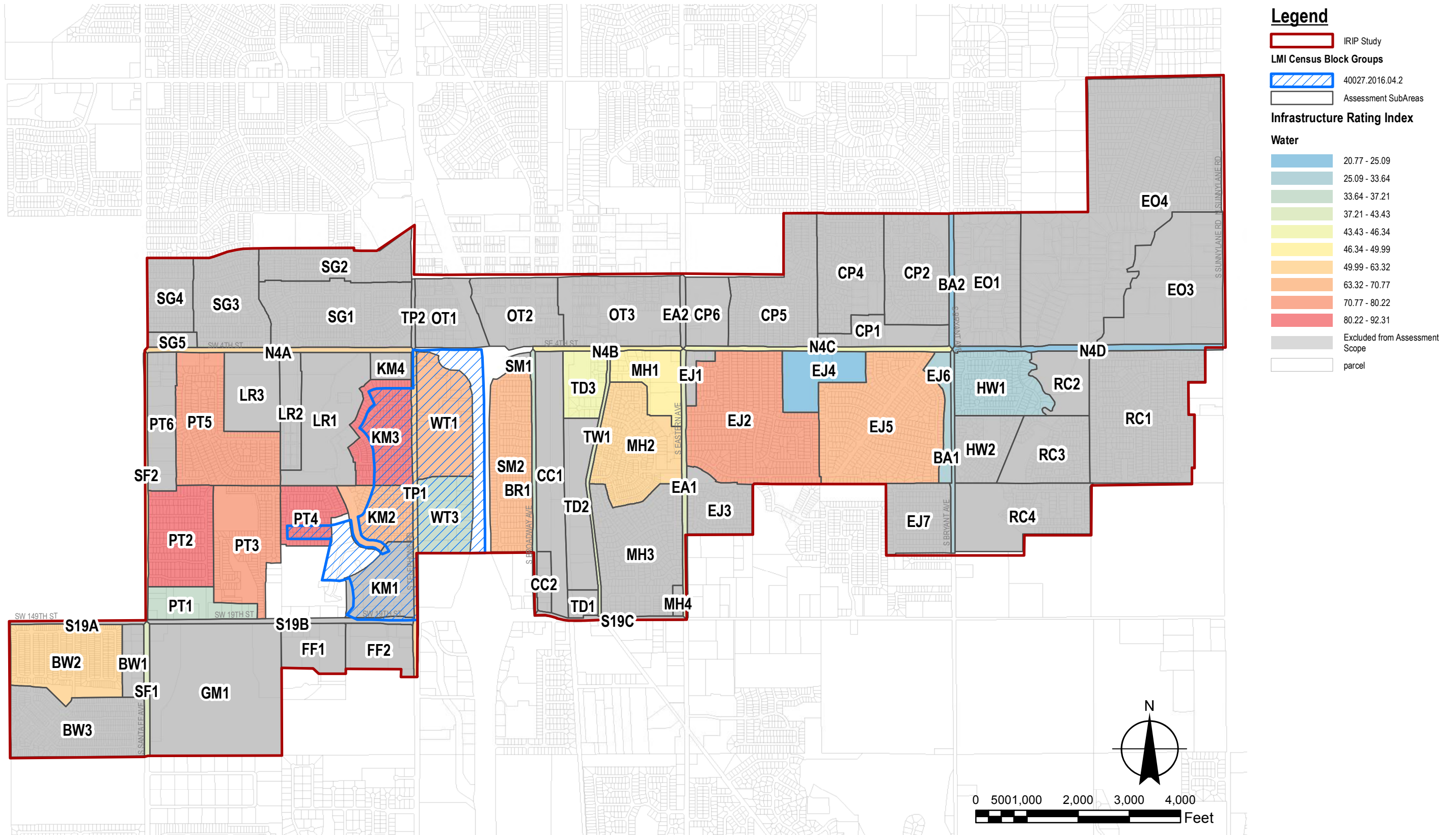




Infrastructure Recovery and Implementation Plan (IRIP)
for May 20, 2013 Tornado

Exhibit A2.27: Infrastructure Rating Index (Drainage)

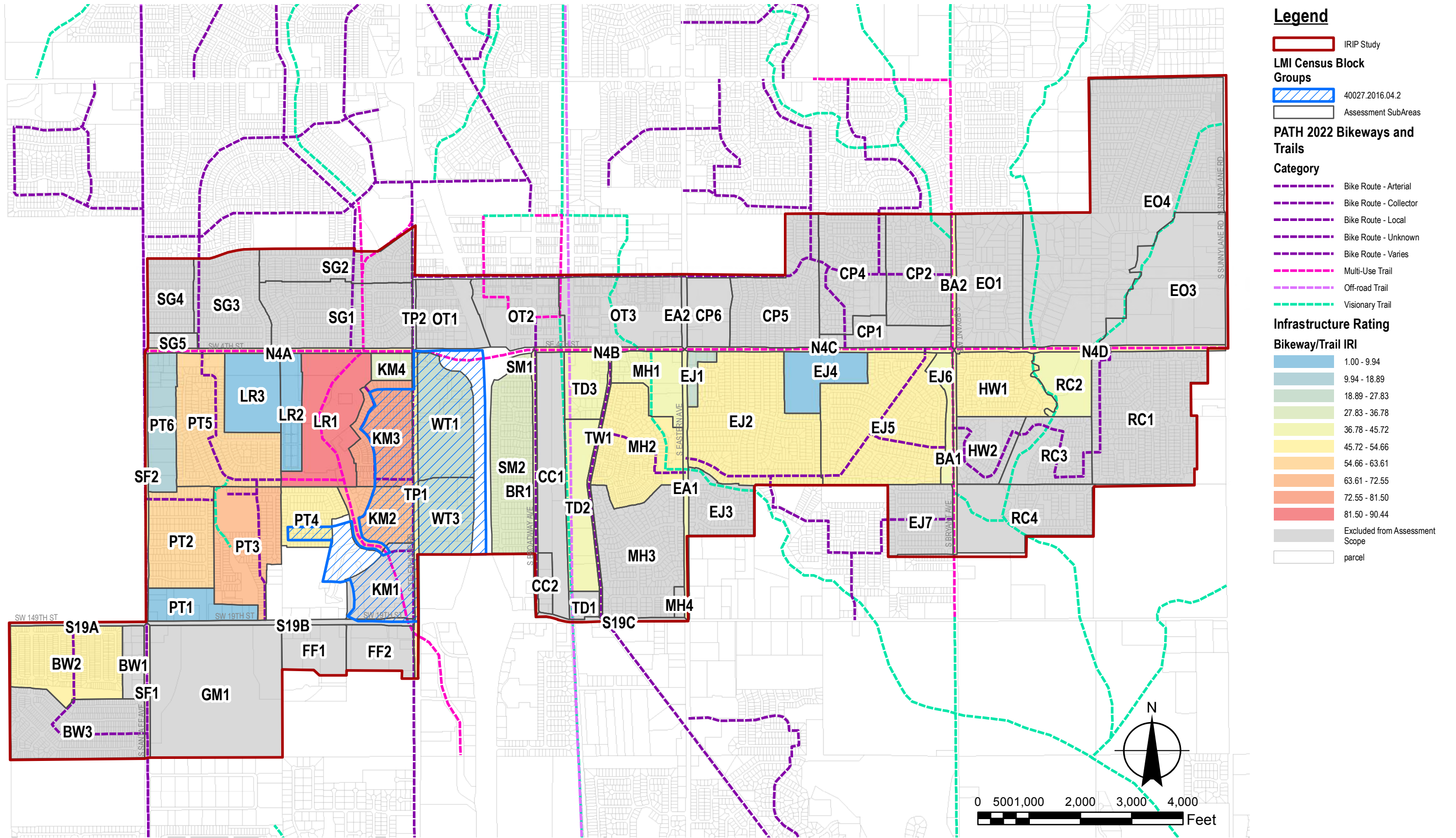




Infrastructure Recovery and Implementation Plan (IRIP)
for May 20, 2013 Tornado

Exhibit A2.28: Infrastructure Rating Index (Water Distribution)

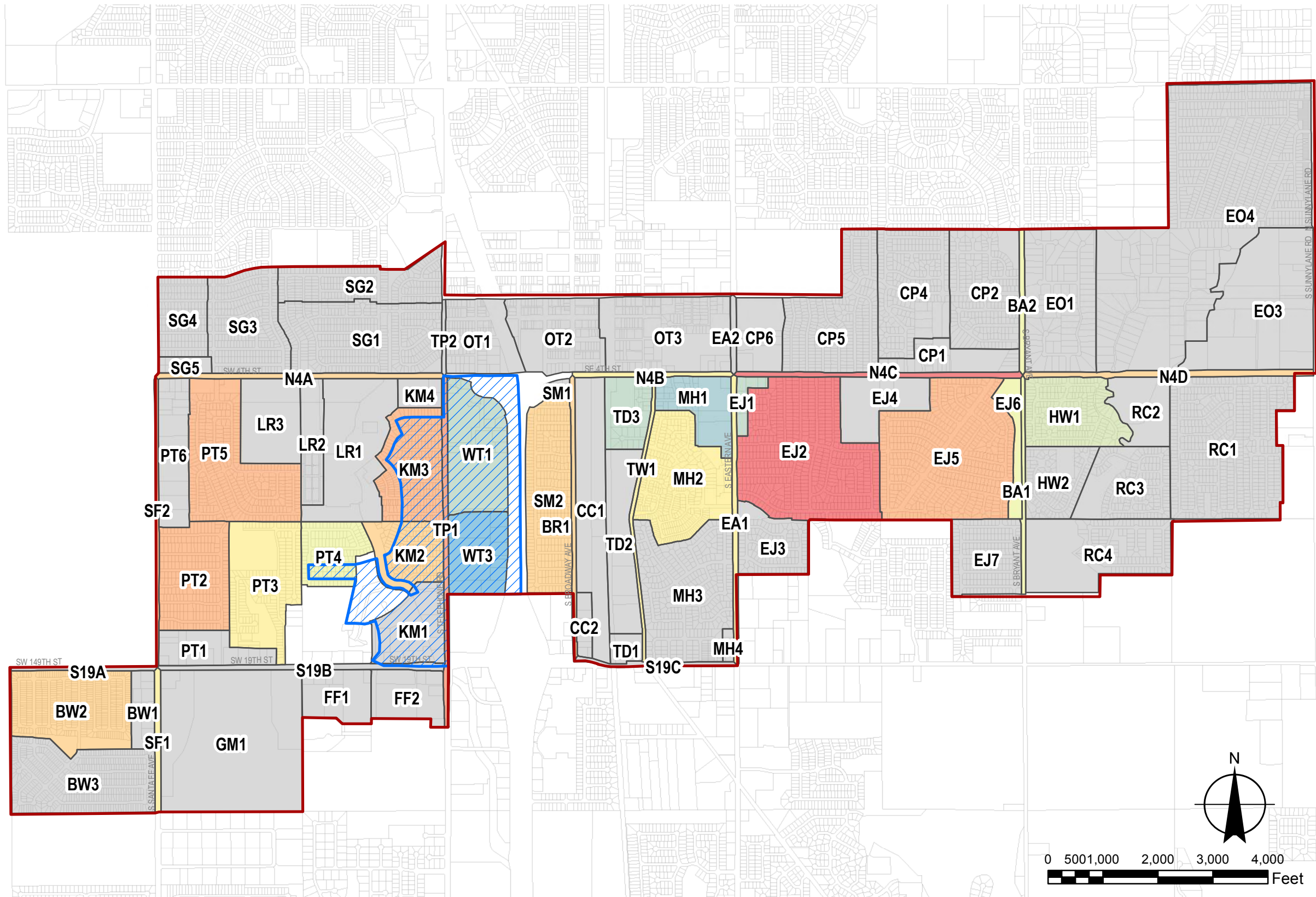




Infrastructure Recovery and Implementation Plan (IRIP)
for May 20, 2013 Tornado

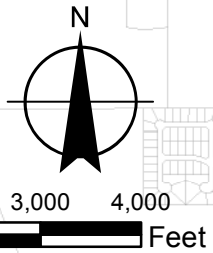
Exhibit A2.29: Infrastructure Rating Index (Bikeways/Trails)





Legend

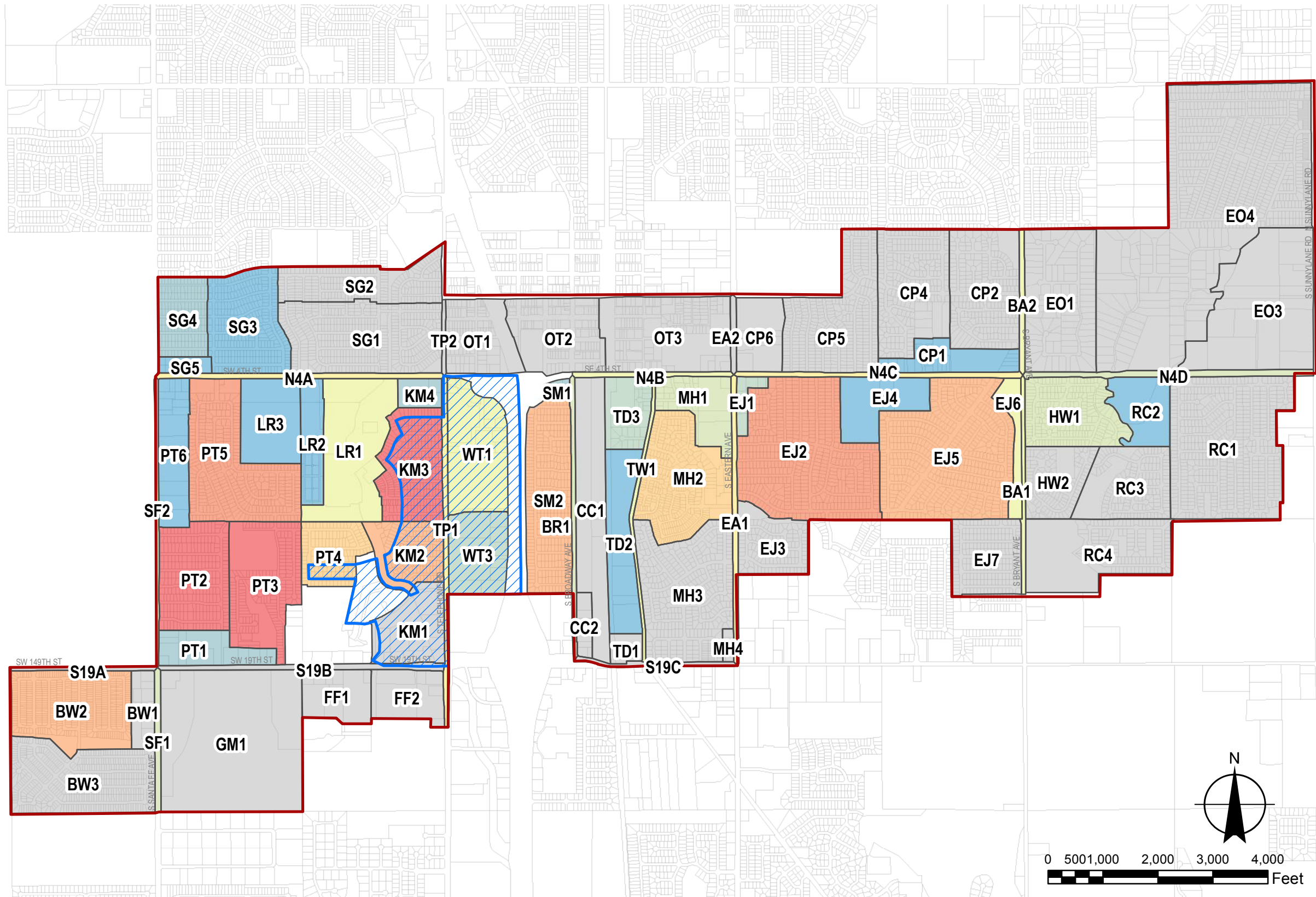
- IRIP Study
- LMI Census Block Groups
 - 40027.2016.04.2
- Assessment SubAreas
- Infrastructure Rating Index
 - Gateway/Streetscape IRI
 - 5.49 - 14.93
 - 14.93 - 24.36
 - 24.36 - 33.80
 - 33.80 - 43.23
 - 43.23 - 52.67
 - 52.67 - 62.11
 - 62.11 - 71.54
 - 71.54 - 80.98
 - 80.98 - 90.41
 - 90.41 - 99.85
 - Excluded from Assessment Scope
 - parcel



Infrastructure Recovery and Implementation Plan (IRIP)
for May 20, 2013 Tornado

Exhibit A2.30: Infrastructure Rating Index (Gateway/Streetscape)





Legend

- IRIP Study
- LMI Census Block Groups
- 40027.2016.04.2
- Assessment SubAreas

Infrastructure Rating Index

Aggregate IRI

25.34 - 87.18
87.18 - 149.01
149.01 - 210.85
210.85 - 272.68
272.68 - 334.52
334.52 - 396.35
396.35 - 458.19
458.19 - 520.02
520.02 - 581.86
581.86 - 643.69
Excluded from Assessment Scope
parcel

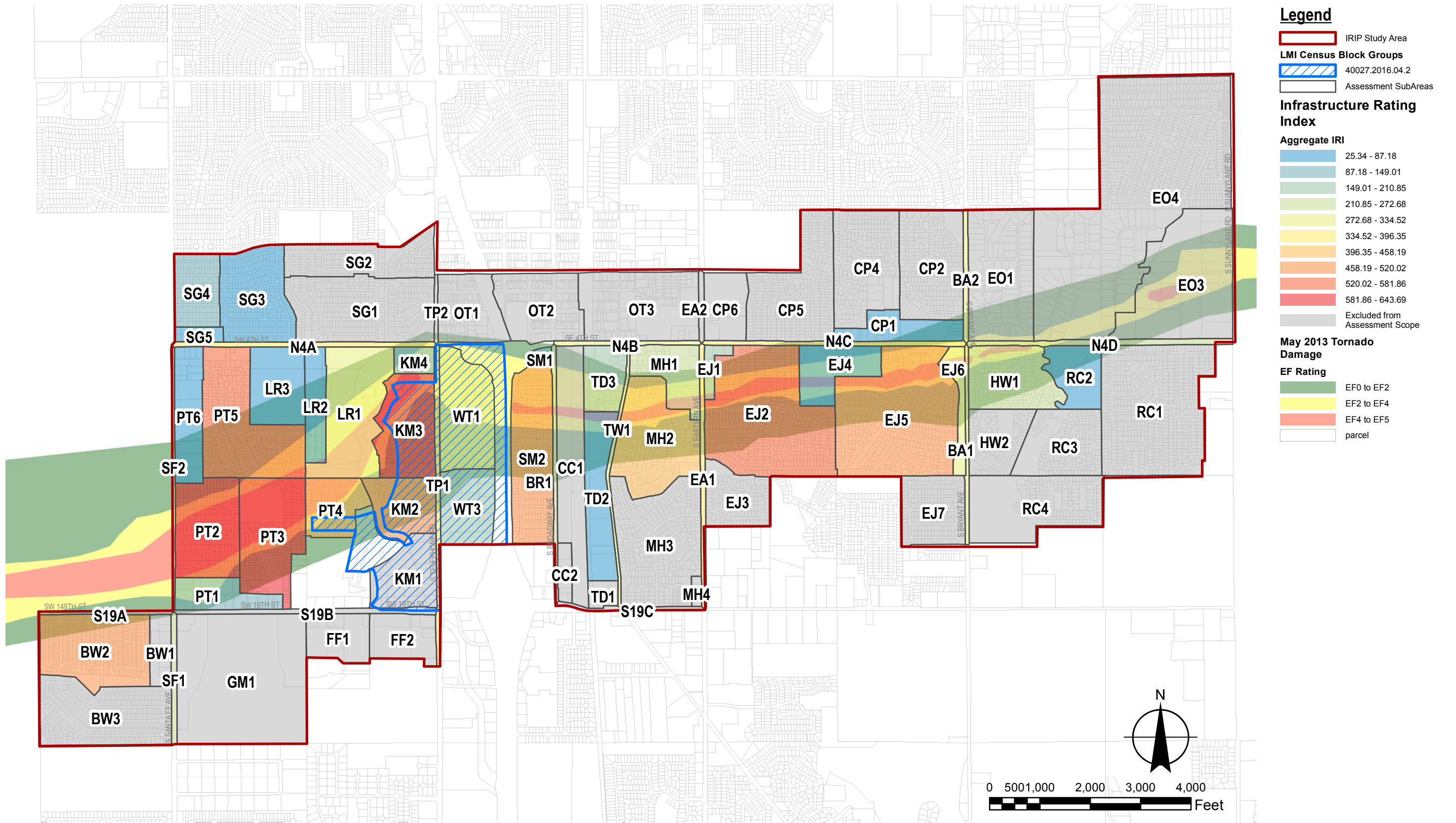


Infrastructure Recovery and Implementation Plan (IRIP)
for May 20, 2013 Tornado

Exhibit A2.31a: Infrastructure Rating Index (Aggregate)



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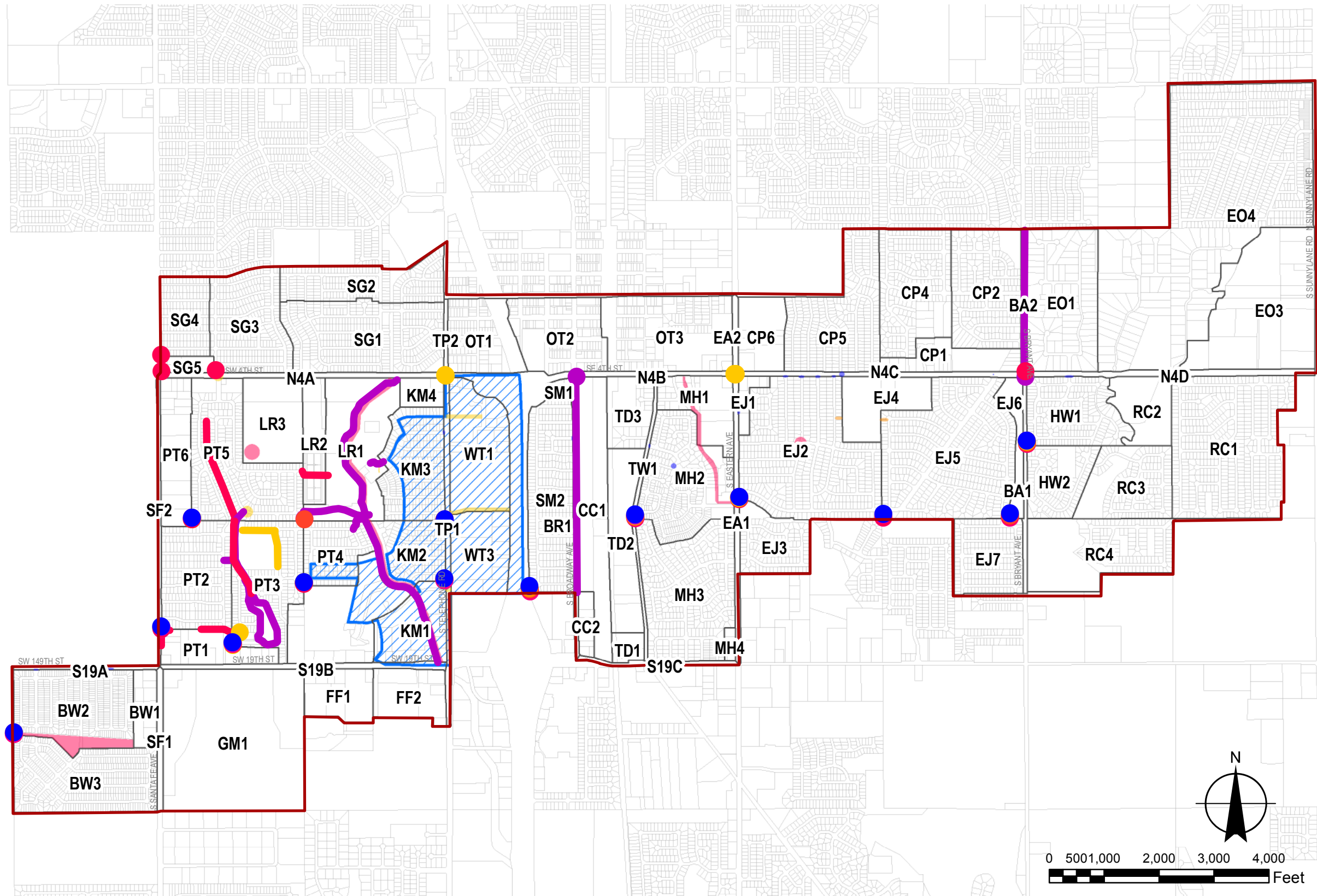


Infrastructure Recovery and Implementation Plan (IRIP)
for May 20, 2013 Tornado

Exhibit A2.31b: Infrastructure Rating Index (Aggregate)



G:\Projects\14175.00\Civil\GIS\IRIP Exhibits\14175.00_EXBT_A2.32_SubProjects.mxd 3/10/2015 2:37:52 PM



Legend

IRIP Study Area

Potential Projects (Point)

Assessment Type

- Street
- Sidewalk
- Sanitary Sewer
- Drainage
- Water Distribution
- Bikeway/Trail
- Gateway/Streetscape

Potential Projects (Line)

<all other values>

Assessment Type

- Street
- Sidewalk
- Sanitary Sewer
- Drainage
- Water Distribution
- Bikeway/Trail
- Gateway/Streetscape

Potential Projects (Area)

AssessmentType

- Street
- Sidewalk
- Sanitary Sewer
- Drainage
- Water Distribution
- Bikeway/Trail
- Gateway/Streetscape

Assessment SubAreas

LMI Census Block Groups

- 40027.2016.04.2
- parcel



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Exhibit A2.32: Potential Public Infrastructure Sub-Projects (By Category)





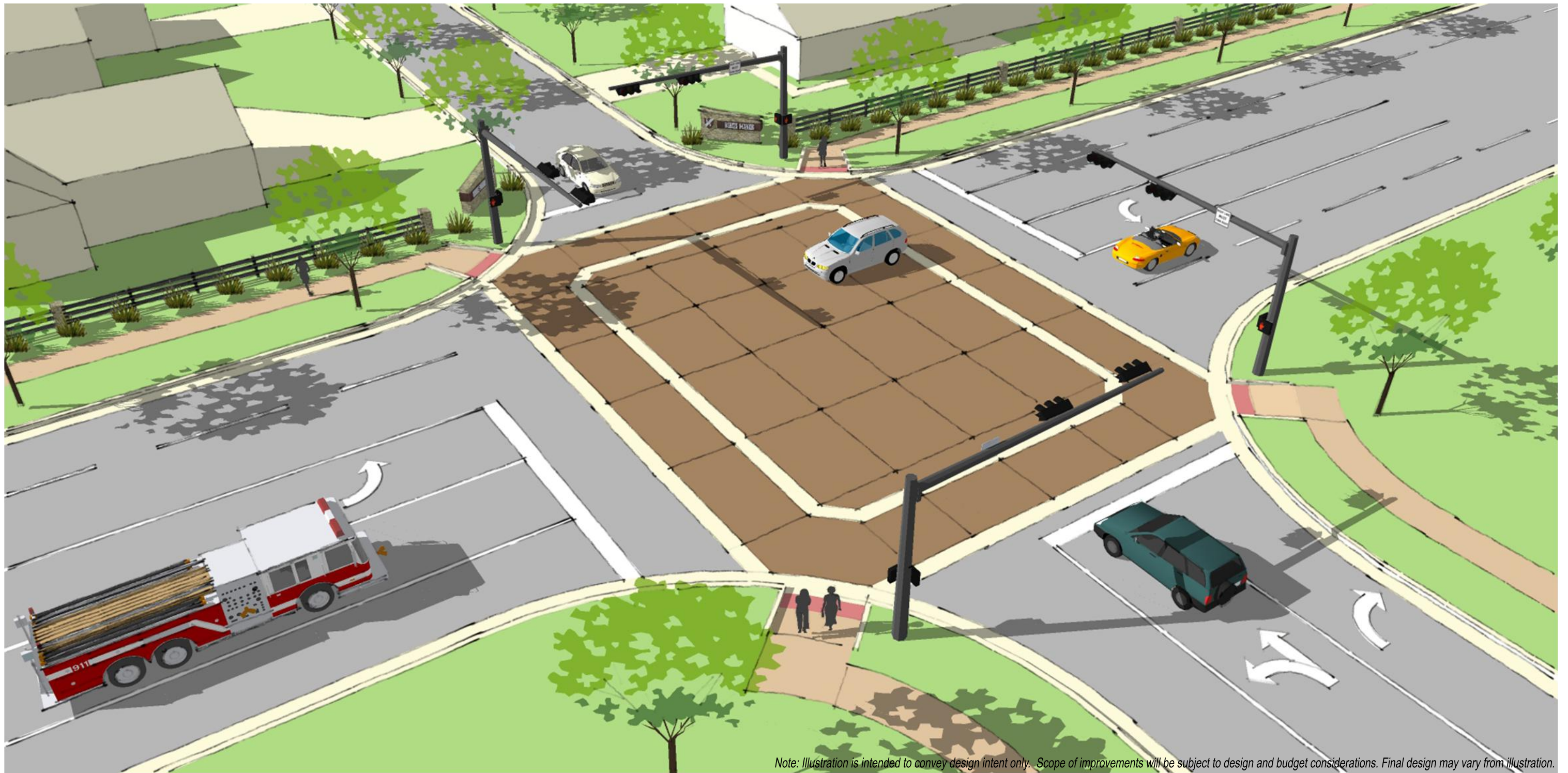
Potential gateway enhancements at the entrance to Baer's Westmore on Westmore Drive include the addition of sidewalks and accessible curb ramps, marked pedestrian crossings and bike lanes, decorative color concrete vehicular paving and decorative traffic signal poles. The existing entrance median allows for the prominent placement of a small monument sign and complimentary flowering tree and shrub plantings. Stone columns, privacy fencing and landscape plantings define the edges of the entrance while street trees on SW 19th Street and Westmore Drive create a welcoming environment for both pedestrians and drivers. Final design and materials shall take the results from the Visual Preference Survey into consideration.



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Exhibit A2.33: Project Rendering - SW 19th St. & Westmore Dr.





Potential gateway enhancements to the Kings Manor entrance at SW 11th Street include the addition of sidewalks and accessible curb ramps, marked pedestrian crossings, decorative color concrete paving in the intersection and decorative traffic signal poles. Monument signs on both sides of SW 11th Street create a gateway to the Kings Manor neighborhood. Stone columns, 3 rail fence and landscape plantings define the edges of the entrance while street trees on SW 11th Street and Telephone Road provide shade, slows traffic and creates a pleasant experience for pedestrians, bicyclists and drivers. Final design and materials shall take the results from the Visual Preference Survey into consideration.



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Exhibit A2.34: Project Rendering - SW 11th St. & S. Telephone Rd.





Note: Illustration is intended to convey design intent only. Scope of improvements will be subject to design and budget considerations. Final design may vary from illustration.

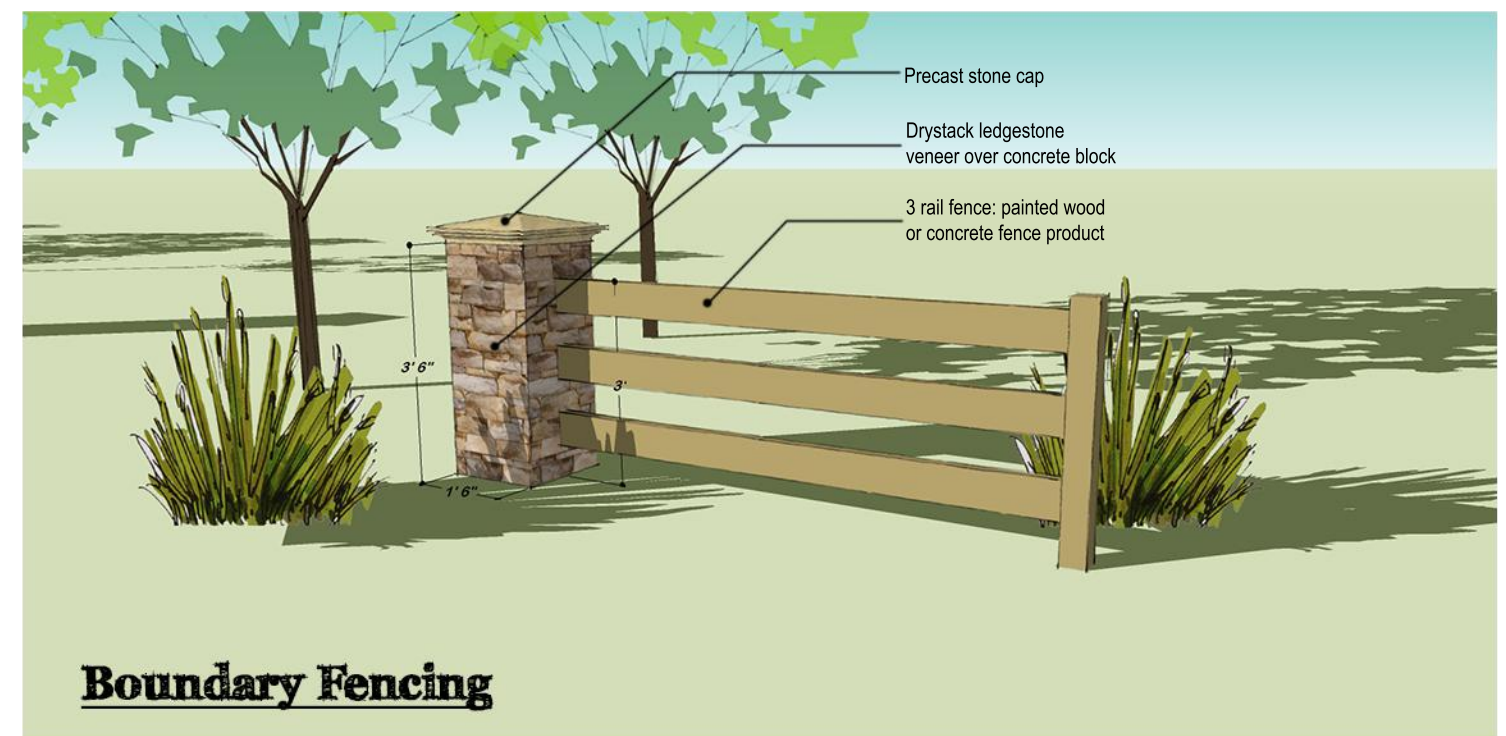
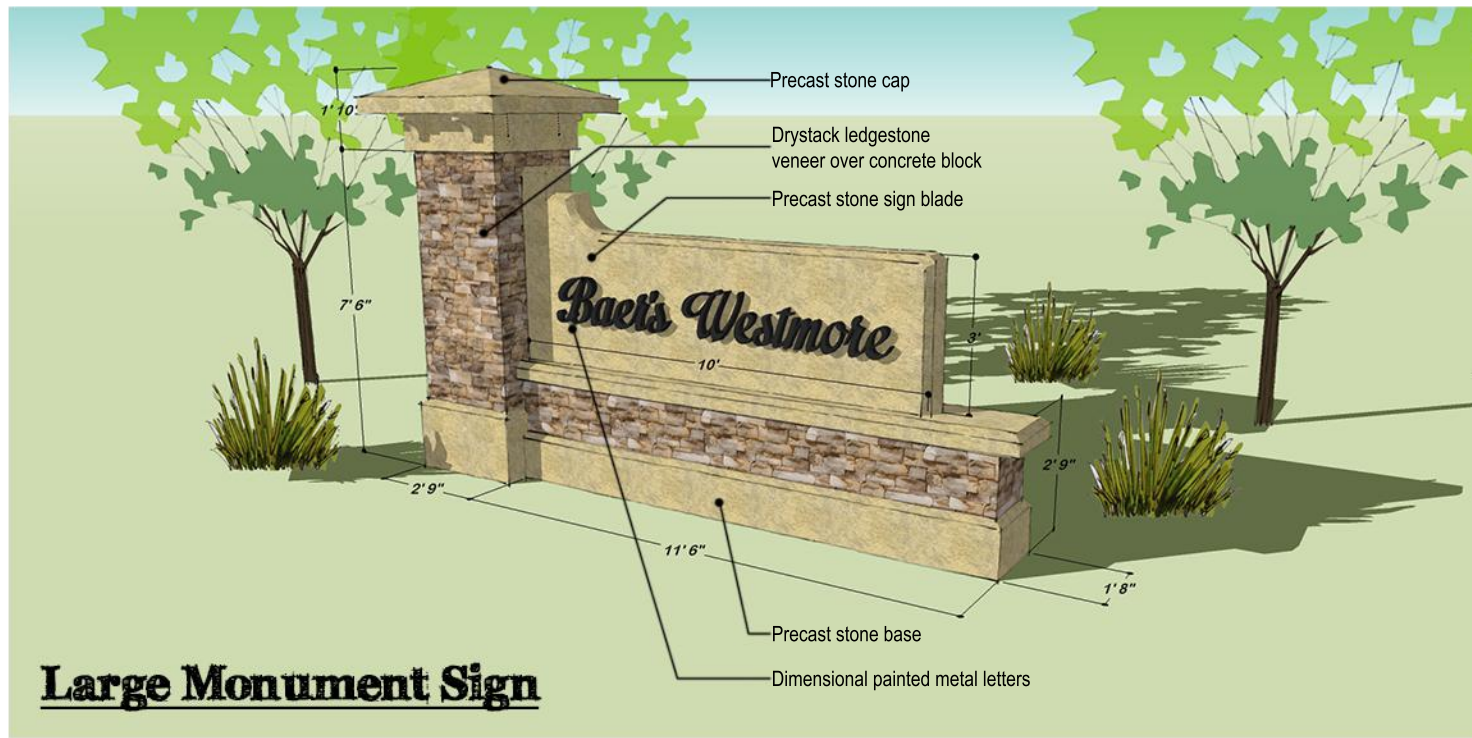
Potential gateway enhancements at the entrance to JD Estates on Whispering Oaks Boulevard include the addition of sidewalks and accessible curb ramps, marked pedestrian crossings, and decorative color concrete vehicular paving. The existing entrance median allows for the prominent placement of a large monument sign and complimentary flowering tree and shrub plantings. Stone columns, a 3 rail fence and landscape plantings define the edges of the entrance. Final design and materials shall take the results from the Visual Preference Survey into consideration.



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Exhibit A2.35: Project Rendering - SE 4th St. & Whispering Oaks Blvd.





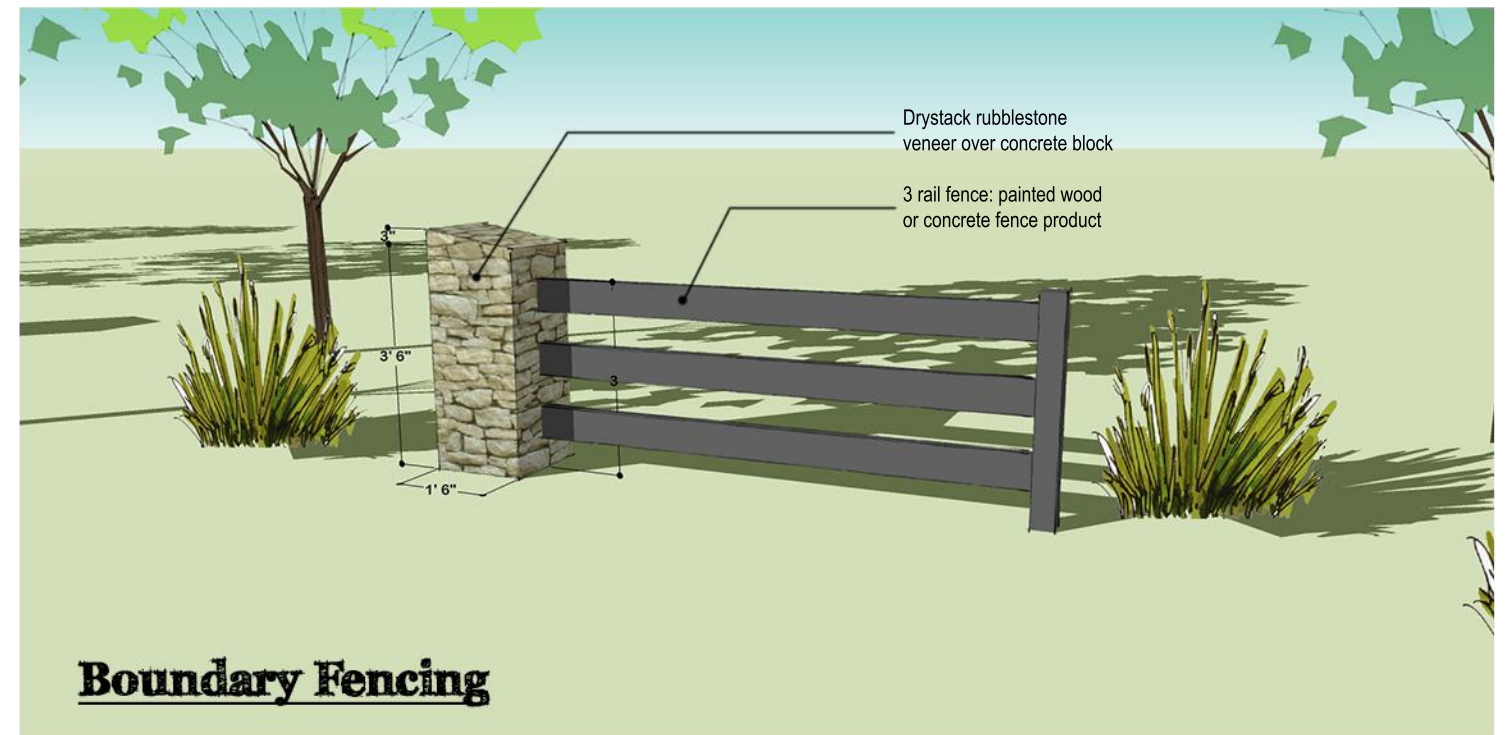
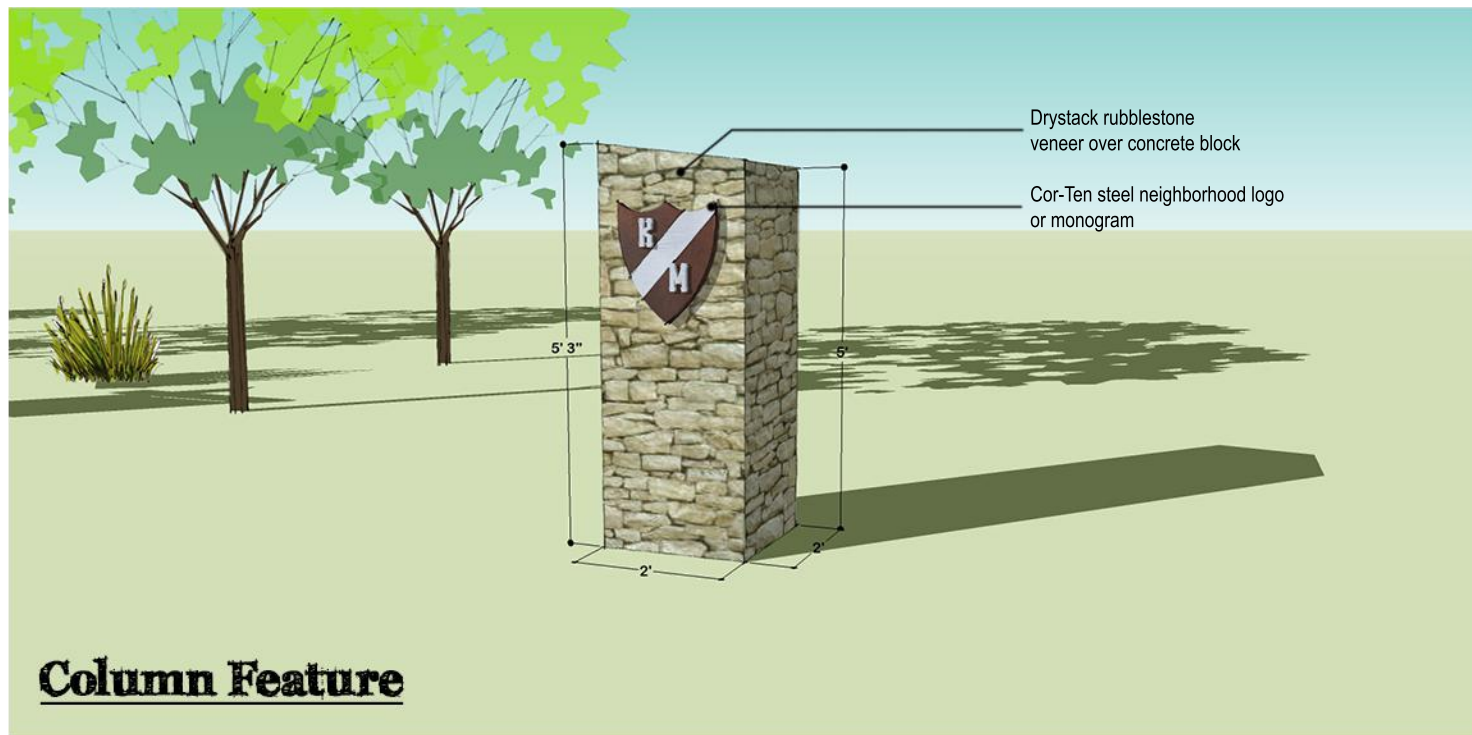
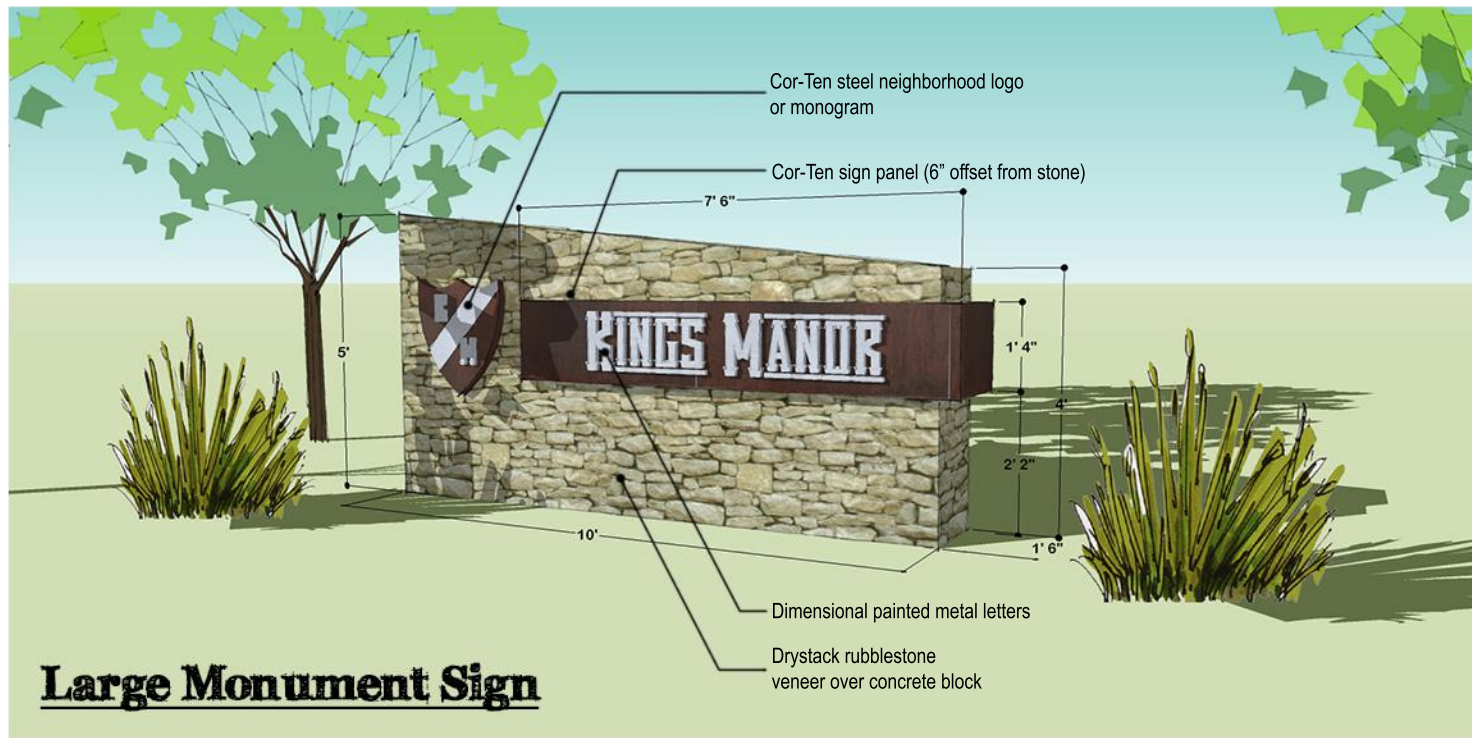
Note: Illustrations are intended to convey design intent only. Scope of improvements will be subject to structural design and budget considerations. Final design may vary from illustration.



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Exhibit A2.36: Gateway Features - Craftsman Aesthetic





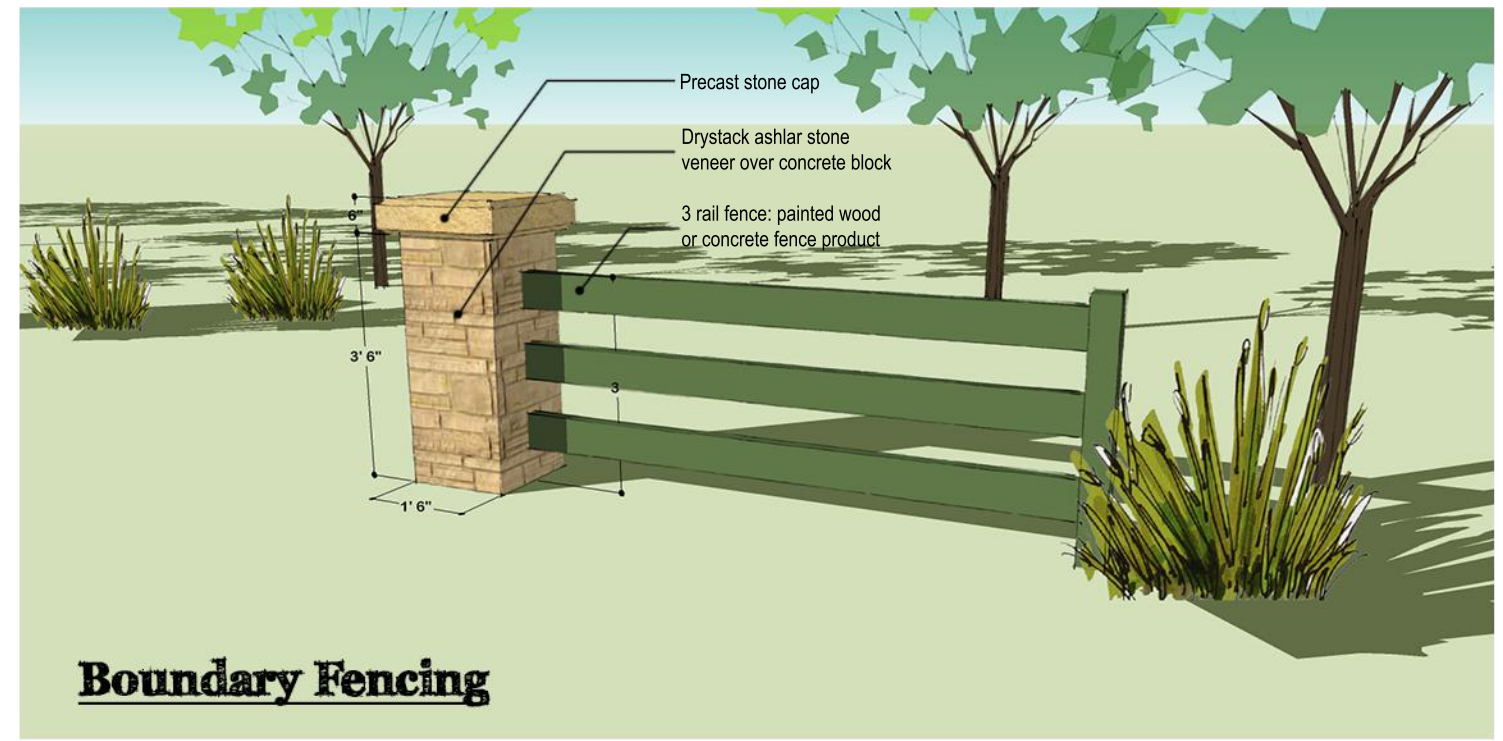
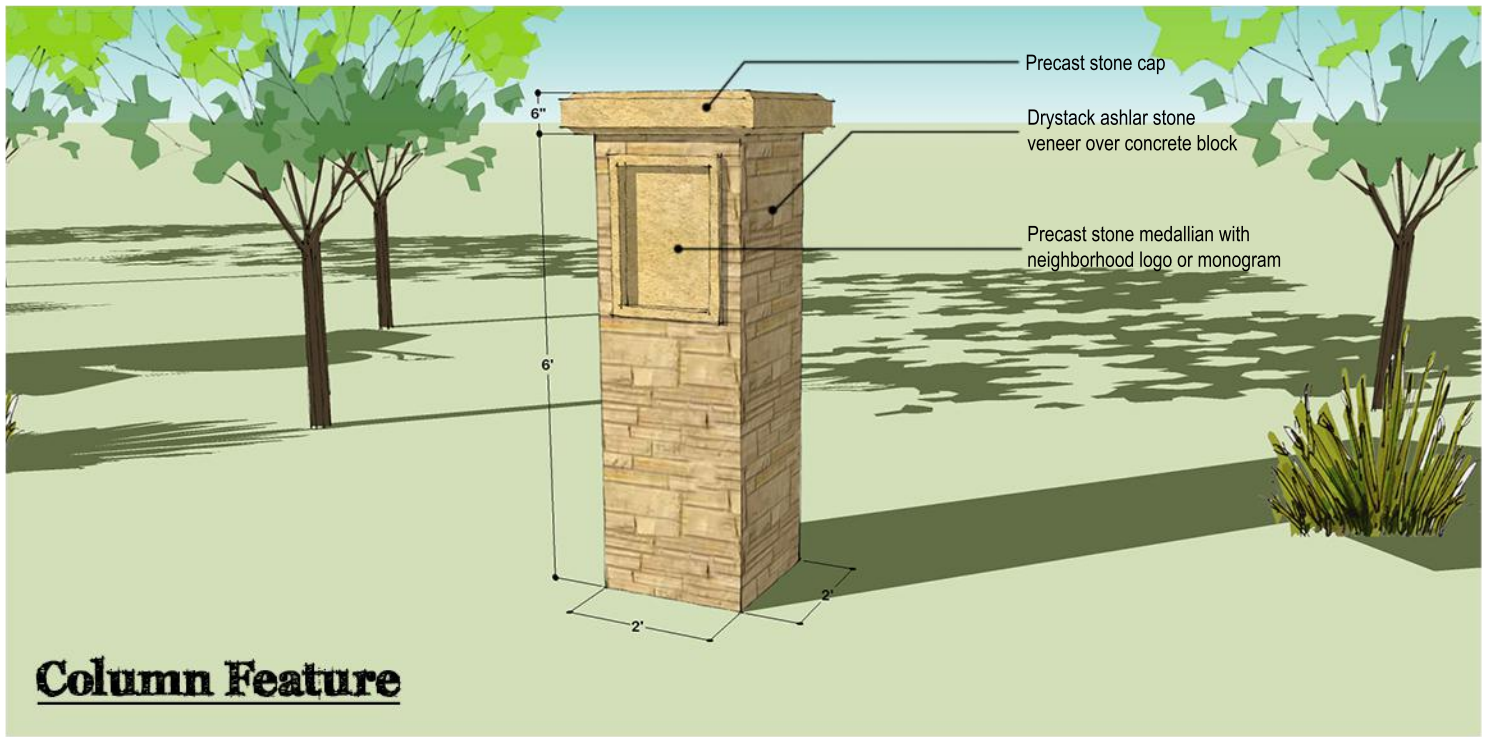
Note: Illustrations are intended to convey design intent only. Scope of improvements will be subject to structural design and budget considerations. Final design may vary from illustration.



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Exhibit A2.37: Gateway Features - Modern Aesthetic





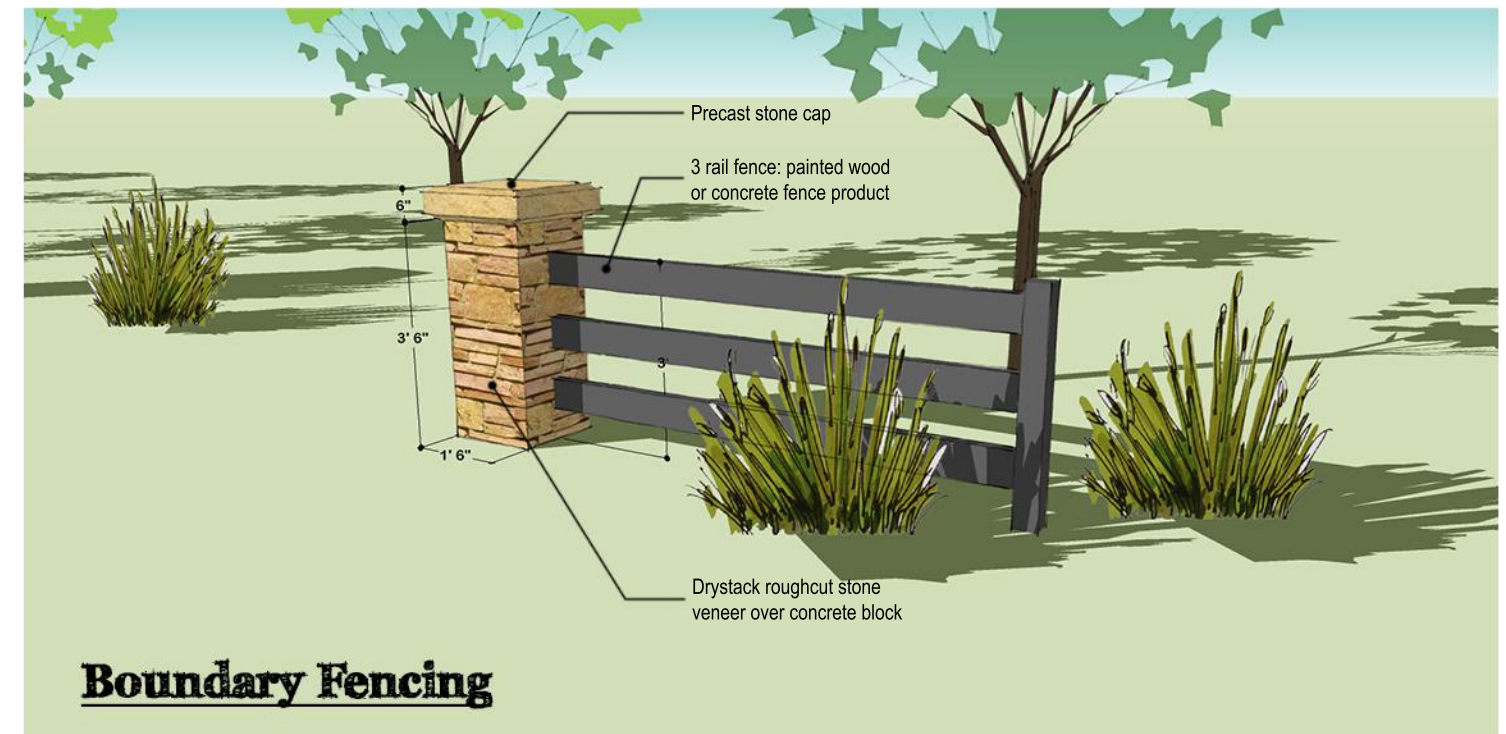
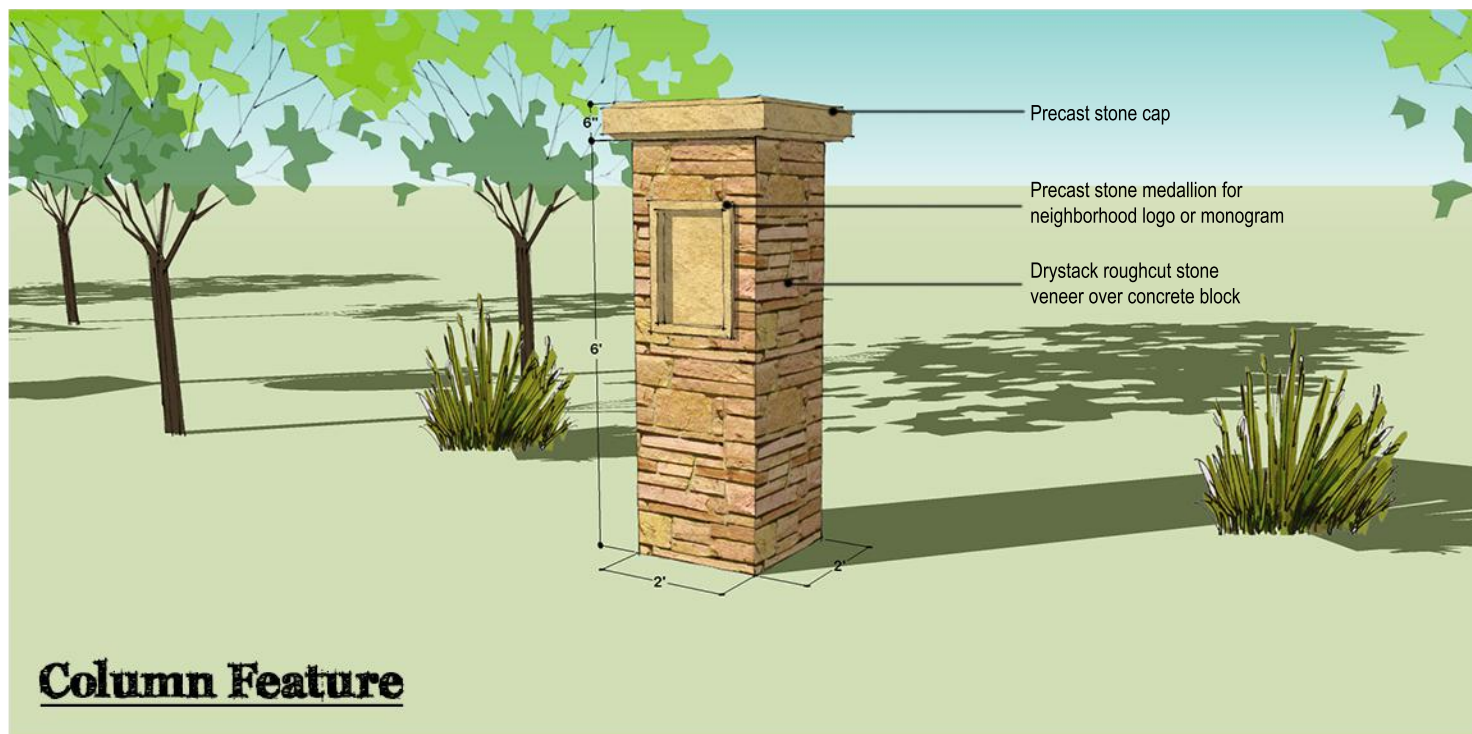
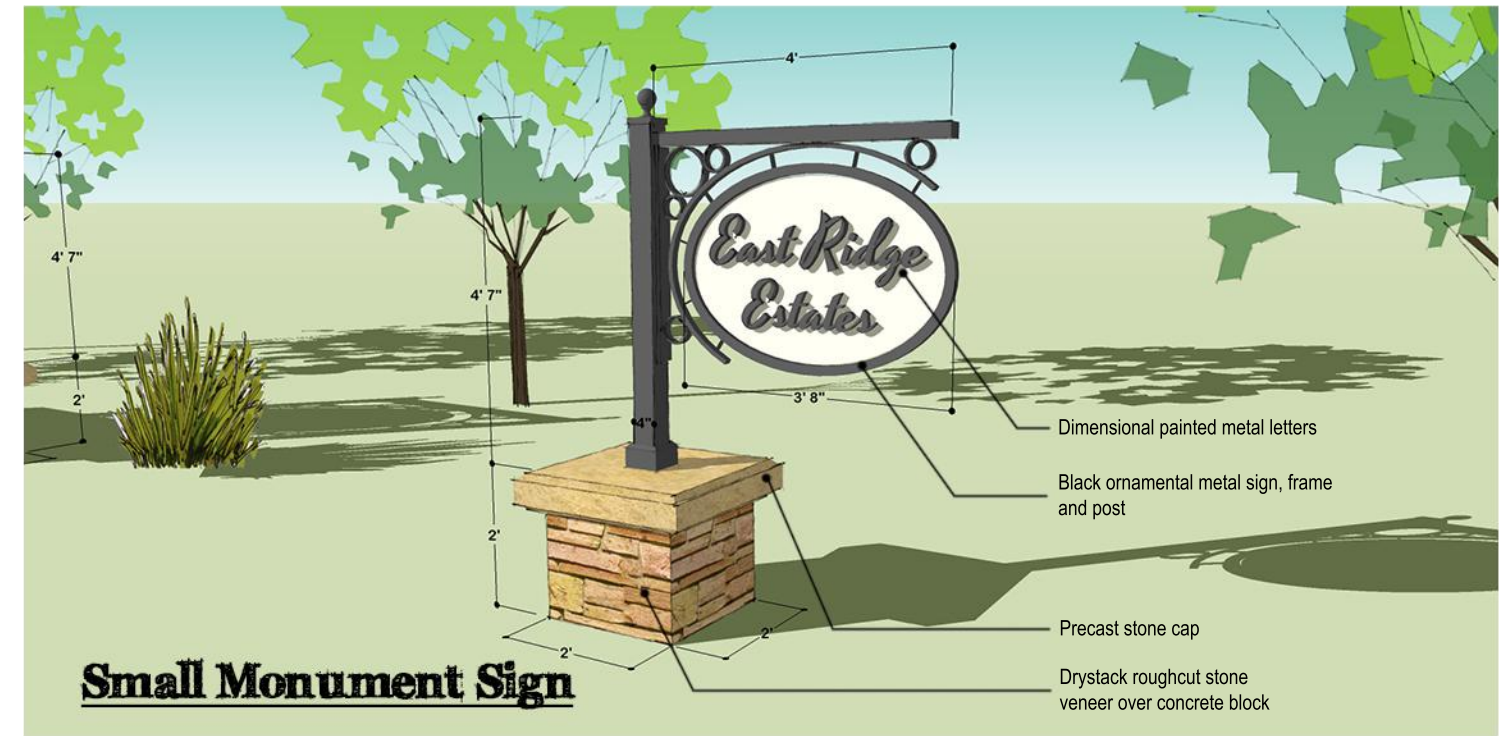
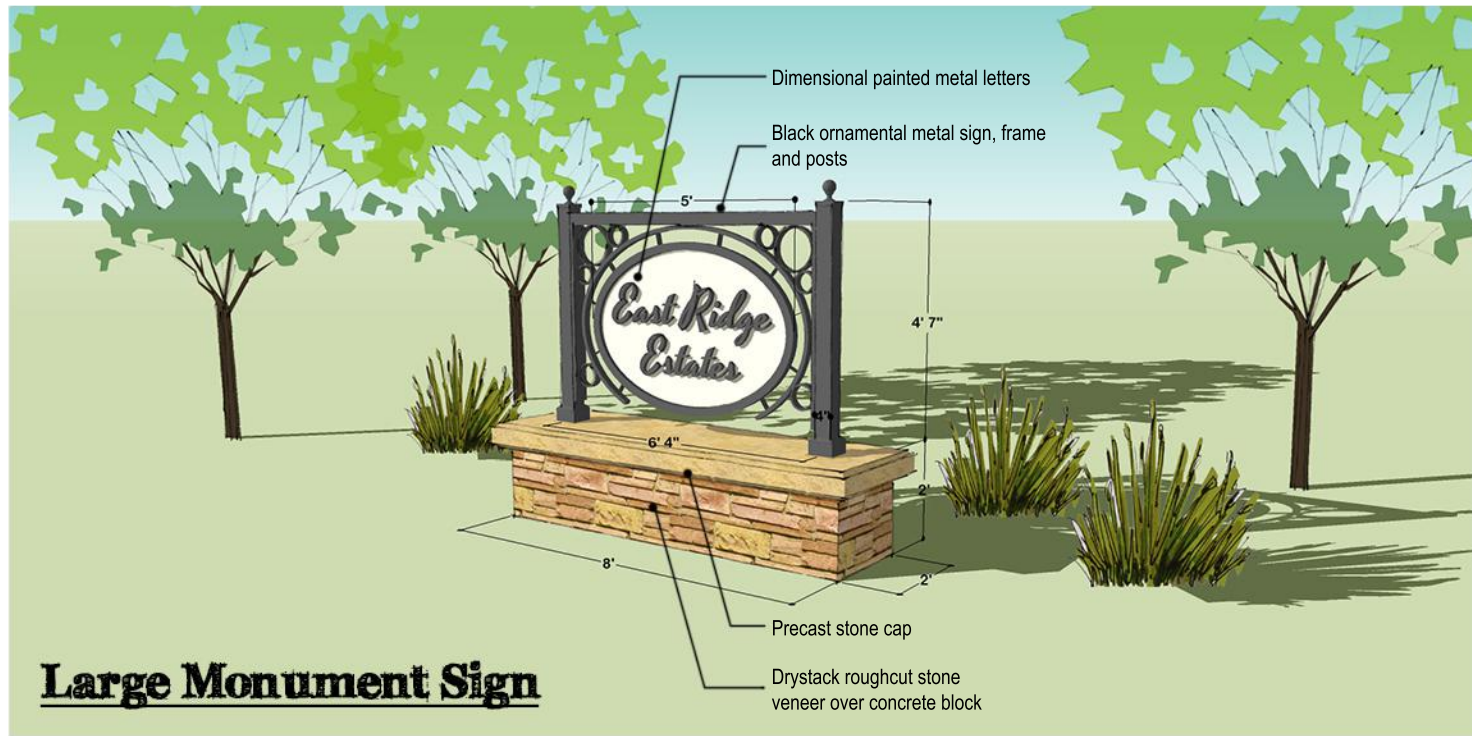
Note: Illustrations are intended to convey design intent only. Scope of improvements will be subject to structural design and budget considerations. Final design may vary from illustration.



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Exhibit A2.38: Gateway Features - Traditional Aesthetic





Note: Illustrations are intended to convey design intent only. Scope of improvements will be subject to structural design and budget considerations. Final design may vary from illustration.



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Exhibit A2.39: Gateway Features - Ornamental Aesthetic

