

APPENDIX 'K'

RPO Buffers & Fuel Modification Zone Analysis

CONCLUSIONS & MITIGATIONS

AREA 1

- GREATEST RISK: A LATE FIRE SEASON, STRONG, NON-TYPICAL (30-MPH) SOUTHWEST WINDS; FLAME LENGTH=25.8 FEET
- THE FMZ IS APPROXIMATELY 3.9 TO 4 TIMES THE CALCULATED FLAME LENGTH
- STREET 3A PROVIDES 50 FEET OF NON-COMBUSTIBLE MATERIAL BETWEEN THE BUFFER AND THREE OF THE NEAREST BUILDINGS
- OPTIONAL: CONSTRUCT A FLAME DEFLECTOR WALL (NON-COMBUSTIBLE; GLASS OR CONCRETE BLOCK) ALONG STREET 3A ON THE BUFFER SIDE, PROVIDE EXTERIOR SPRINKLERS AND/OR PROVIDE NO EXPOSED EAVES.

AREA 2

- GREATEST RISK: A LATE FIRE SEASON, STRONG, NON-TYPICAL (60-MPH) NORTHEAST WINDS; FLAME LENGTH=37.4 FEET
- THE FMZ IS APPROXIMATELY 3.3 TO 4.0 TIMES THE CALCULATED FLAME LENGTH WHICH PROVIDES PROTECTION FOR BUILDINGS IN THESE FUEL TYPES FROM FLAME IMPINGEMENT AND RADIANT HEAT.
- PROPOSED TRAIL PROVIDES 12 FEET OF FUEL MODIFICATION AND NON-COMBUSTIBLE TREAD MATERIAL BETWEEN THE BUFFER AND THE NEAREST BUILDINGS SIGNIFICANTLY ENHANCES PROTECTION.
- OPTIONAL: CONSTRUCT A FLAME DEFLECTOR WALL (NON-COMBUSTIBLE; GLASS OR CONCRETE BLOCK) ALONG THE PROPOSED TRAIL ON THE BUFFER SIDE, PROVIDE EXTERIOR SPRINKLERS AND/OR PROVIDE NO EXPOSED EAVES.

AREA 3:

- GREATEST RISK: A LATE FIRE SEASON, STRONG, NON-TYPICAL (30-MPH) SOUTHWEST WINDS; FLAME LENGTH=25.8 FEET
- THE FMZ IS APPROXIMATELY 4.2 TO 5.2 TIMES THE CALCULATED FLAME LENGTH WHICH PROVIDES PROTECTION FOR BUILDINGS IN THESE FUEL TYPES FROM FLAME IMPINGEMENT AND RADIANT HEAT
- PROPOSED TRAIL PROVIDES 12 FEET OF ROW WITH SIGNIFICANT FUEL MODIFICATION AND NON-COMBUSTIBLE TREAD MATERIAL BETWEEN THE BUFFER AND THE NEAREST BUILDINGS SIGNIFICANTLY ENHANCES PROTECTION.
- OPTIONAL: CONSTRUCT A FLAME DEFLECTOR WALL (NON-COMBUSTIBLE; GLASS OR CONCRETE BLOCK) ALONG THE PROPOSED TRAIL ON THE BUFFER SIDE, PROVIDE EXTERIOR SPRINKLERS AND/OR PROVIDE NO EXPOSED EAVES.

AREA 4

- GREATEST RISK: A LATE FIRE SEASON, STRONG, NON-TYPICAL (60-MPH) NORTHEAST WINDS; FLAME LENGTH=37.4 FEET
- THE FMZ IS APPROXIMATELY 4.4 TO 5.8 TIMES THE CALCULATED FLAME LENGTH WHICH PROVIDES PROTECTION FOR BUILDINGS IN THESE FUEL TYPES FROM FLAME IMPINGEMENT AND RADIANT HEAT.
- OPTIONAL: CONSTRUCT A FLAME DEFLECTOR WALL (NON-COMBUSTIBLE; GLASS OR CONCRETE BLOCK) ALONG THE PROPOSED LOT BOUNDARIES OF 4 BUILDINGS, PROVIDE EXTERIOR SPRINKLERS AND/OR PROVIDE NO EXPOSED EAVES.

AREA 5:

- GREATEST RISK: A LATE FIRE SEASON, STRONG, NON-TYPICAL (30-MPH) SOUTHWEST WINDS; FLAME LENGTH=25.8 FEET
- THE FMZ IS APPROXIMATELY 4.4 TO 5.8 TIMES THE CALCULATED FLAME LENGTH WHICH PROVIDES PROTECTION FOR BUILDINGS IN THESE FUEL TYPES FROM FLAME IMPINGEMENT AND RADIANT HEAT.
- PROPOSED TRAIL AND ROAD PROVIDES APPROXIMATELY 54 FEET OF FUEL MODIFICATION AND NON-COMBUSTIBLE DISTANCES THE FMZ PROVIDES FOR ENHANCED PROTECTION.
- OPTIONAL: CONSTRUCT A FLAME DEFLECTOR WALL (NON-COMBUSTIBLE; GLASS OR CONCRETE BLOCK) ALONG THE TRAIL ON THE BUFFER SIDE, PROVIDE EXTERIOR SPRINKLERS AND/OR PROVIDE NO EXPOSED EAVES.

AREA 6:

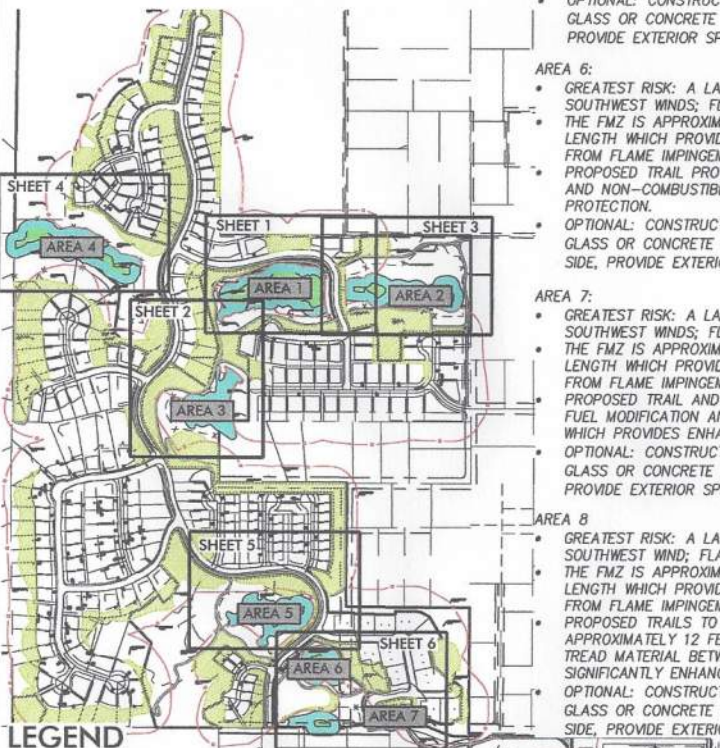
- GREATEST RISK: A LATE FIRE SEASON, STRONG, NON-TYPICAL (30-MPH) SOUTHWEST WINDS; FLAME LENGTH=25.8 FEET
- THE FMZ IS APPROXIMATELY 4.0 TO 5.8 TIMES THE CALCULATED FLAME LENGTH WHICH PROVIDES PROTECTION FOR BUILDINGS IN THESE FUEL TYPES FROM FLAME IMPINGEMENT AND RADIANT HEAT.
- PROPOSED TRAIL PROVIDES APPROXIMATELY 12 FEET OF FUEL MODIFICATION AND NON-COMBUSTIBLE MATERIAL IN THE FMZ WHICH PROVIDES ENHANCED PROTECTION.
- OPTIONAL: CONSTRUCT A FLAME DEFLECTOR WALL (NON-COMBUSTIBLE; GLASS OR CONCRETE BLOCK) ALONG THE PROPOSED TRAIL ON THE BUFFER SIDE, PROVIDE EXTERIOR SPRINKLERS AND/OR PROVIDE NO EXPOSED EAVES.

AREA 7:

- GREATEST RISK: A LATE FIRE SEASON, STRONG, NON-TYPICAL (30-MPH) SOUTHWEST WINDS; FLAME LENGTH=25.8 FEET
- THE FMZ IS APPROXIMATELY 3.9 TO 4.8 TIMES THE CALCULATED FLAME LENGTH WHICH PROVIDES PROTECTION FOR BUILDINGS IN THESE FUEL TYPES FROM FLAME IMPINGEMENT AND RADIANT HEAT
- PROPOSED TRAIL AND STREET 1C PROVIDES APPROXIMATELY 50 FEET OF FUEL MODIFICATION AND NON-COMBUSTIBLE MATERIALS WITHIN THE FMZ WHICH PROVIDES ENHANCED PROTECTION.
- OPTIONAL: CONSTRUCT A FLAME DEFLECTOR WALL (NON-COMBUSTIBLE; GLASS OR CONCRETE BLOCK) ALONG STREET 1C ON THE BUFFER SIDE, PROVIDE EXTERIOR SPRINKLERS AND/OR PROVIDE NO EXPOSED EAVES.

AREA 8

- GREATEST RISK: A LATE FIRE SEASON, STRONG, NON-TYPICAL (30-MPH) SOUTHWEST WIND; FLAME LENGTH=25.8 FEET.
- THE FMZ IS APPROXIMATELY 3.9 TO 4.9 TIMES THE CALCULATED FLAME LENGTH WHICH PROVIDES PROTECTION FOR BUILDINGS IN THESE FUEL TYPES FROM FLAME IMPINGEMENT AND RADIANT HEAT.
- PROPOSED TRAILS TO THE NORTH AND SOUTH OFF THE BUFFER PROVIDES APPROXIMATELY 12 FEET OF FUEL MODIFICATION AND NON-COMBUSTIBLE TREAD MATERIAL BETWEEN THE BUFFER AND THE NEAREST BUILDINGS SIGNIFICANTLY ENHANCES PROTECTION.
- OPTIONAL: CONSTRUCT A FLAME DEFLECTOR WALL (NON-COMBUSTIBLE; GLASS OR CONCRETE BLOCK) ALONG THE PROPOSED TRAIL ON THE BUFFER SIDE, PROVIDE EXTERIOR SPRINKLERS AND/OR PROVIDE NO EXPOSED EAVES.



LEGEND

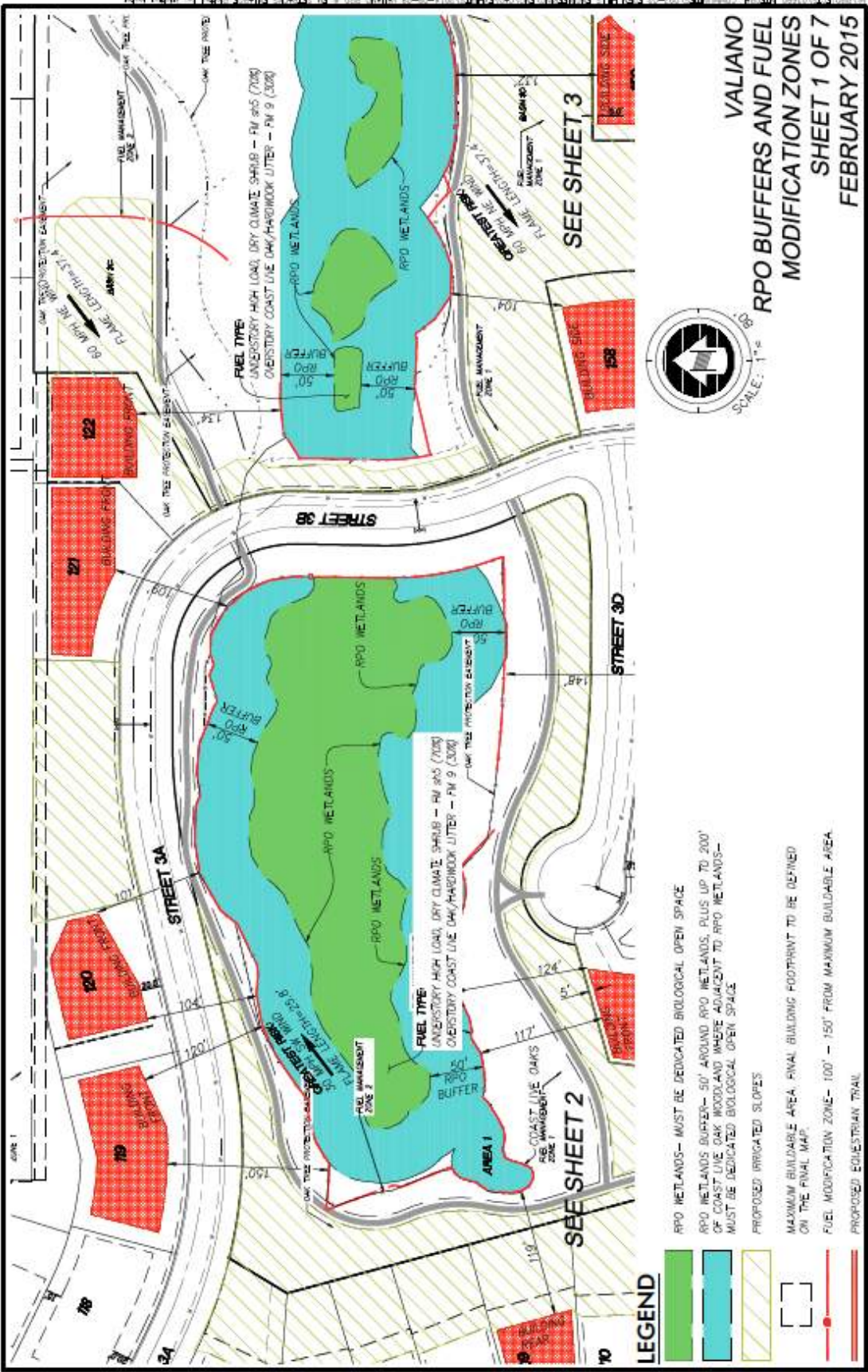
- RPO WETLANDS— MUST BE DEDICATED BIOLOGICAL OPEN SPACE
- RPO WETLANDS BUFFER— 50' AROUND RPO WETLANDS PLUS UP TO 200' OF COAST LIVE OAK WOODLAND WHERE ADJACENT TO RPO WETLANDS MUST BE DEDICATED BIOLOGICAL OPEN SPACE
- PROPOSED IRRIGATED SLOPES
- PROPOSED EQUESTRIAN TRAIL

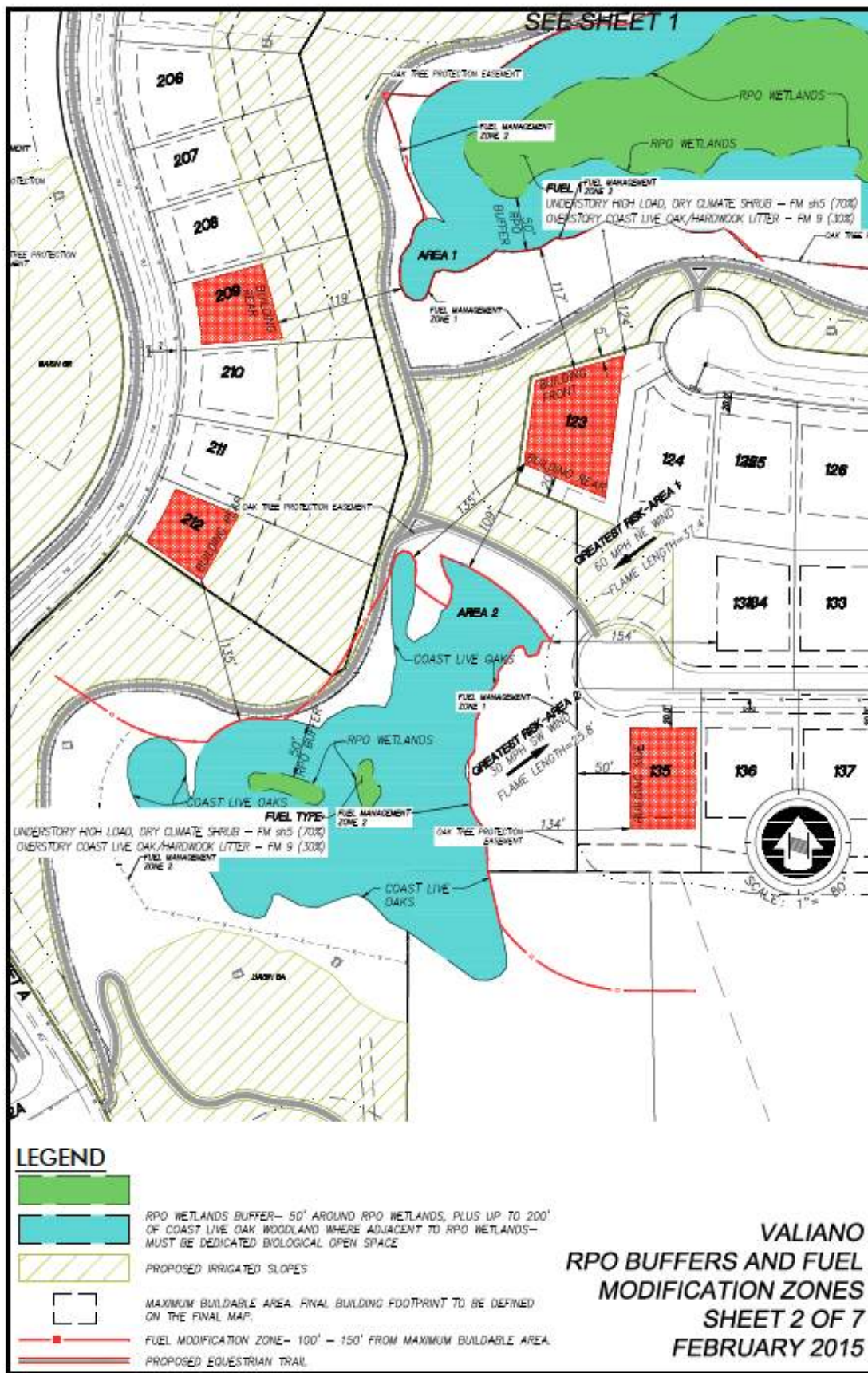


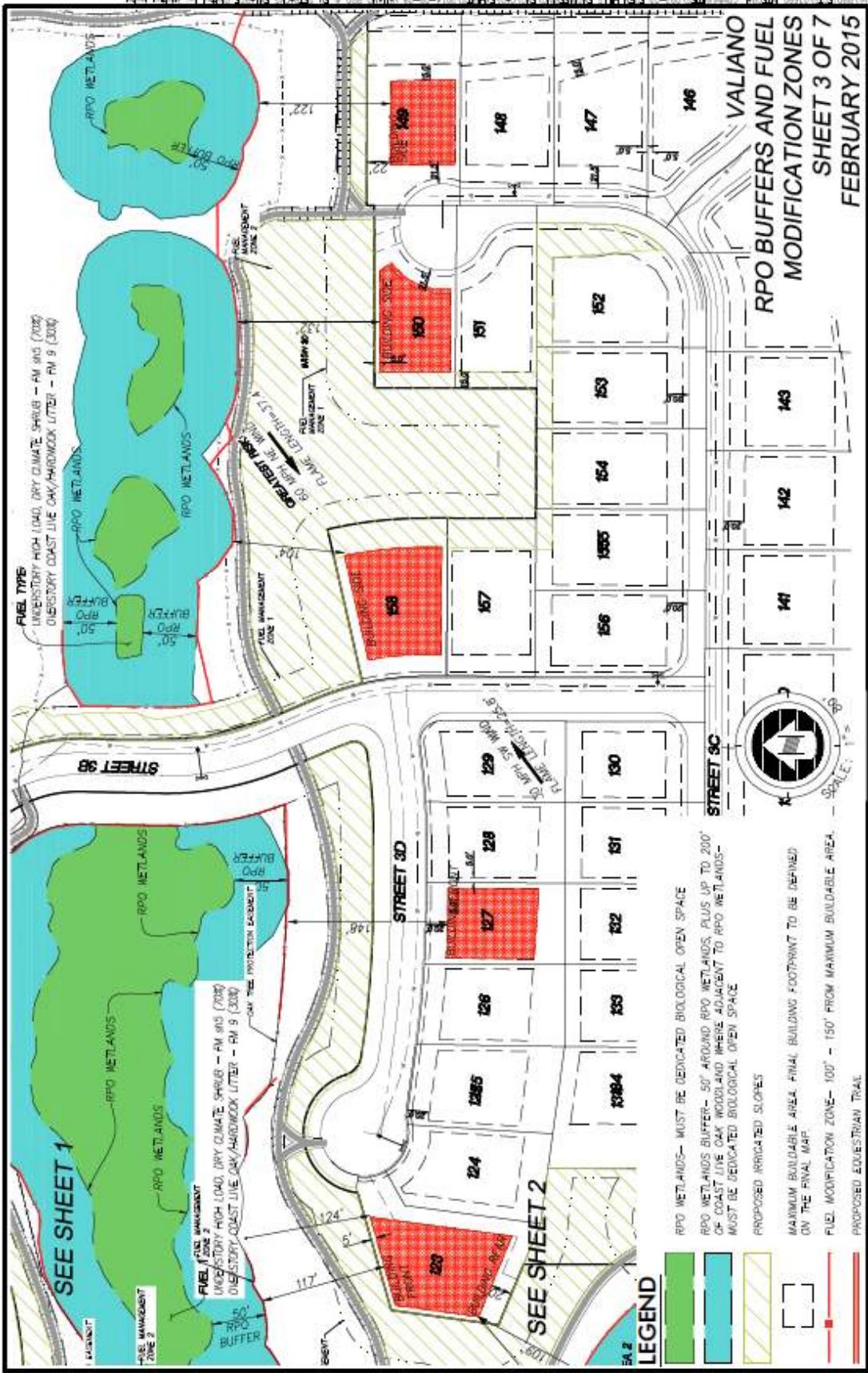
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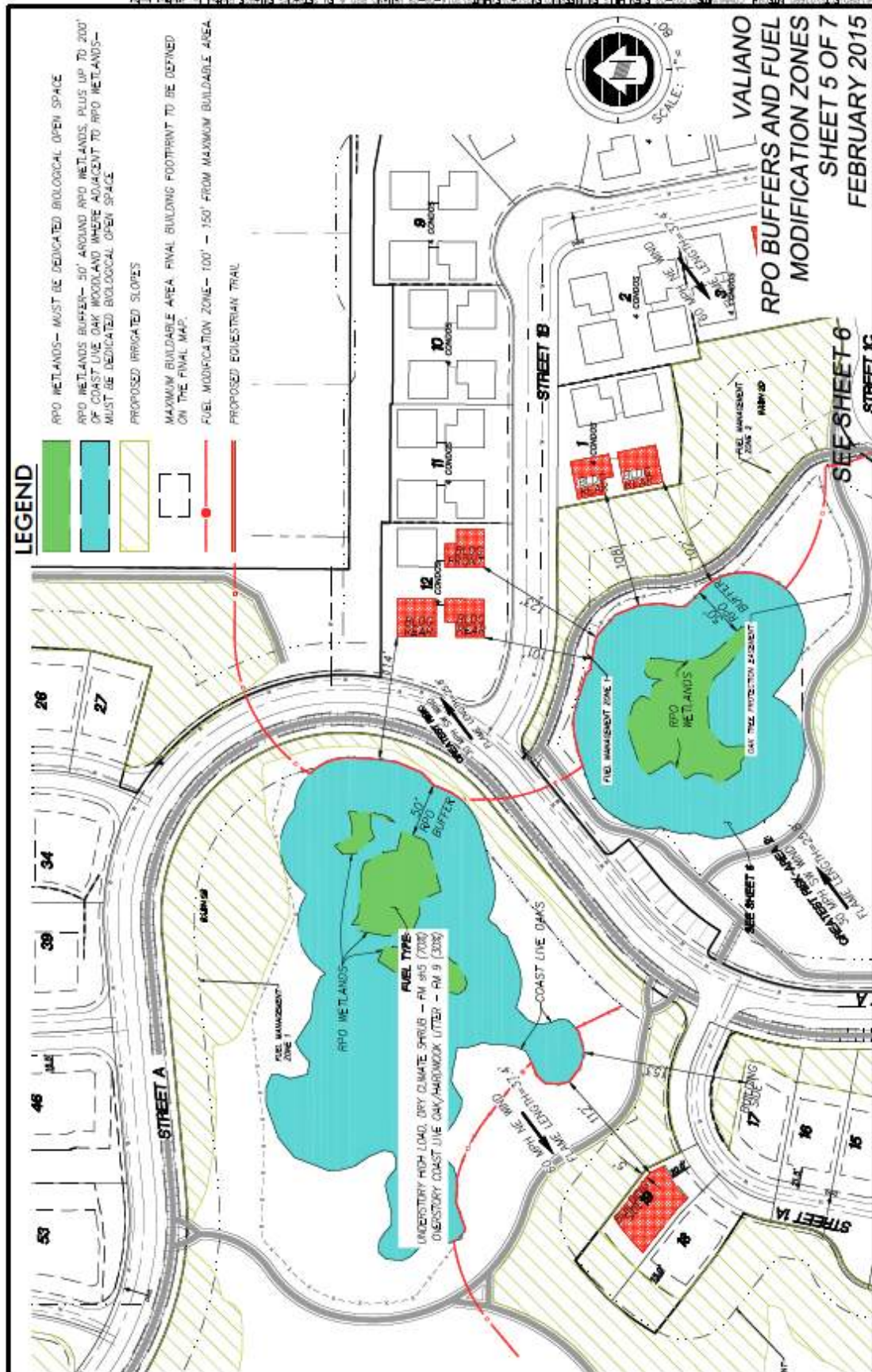


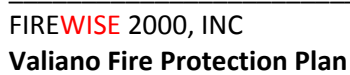
VALIANO
RPO BUFFERS & FUEL
MODIFICATION ZONES
KEY MAP
FEBRUARY 2015











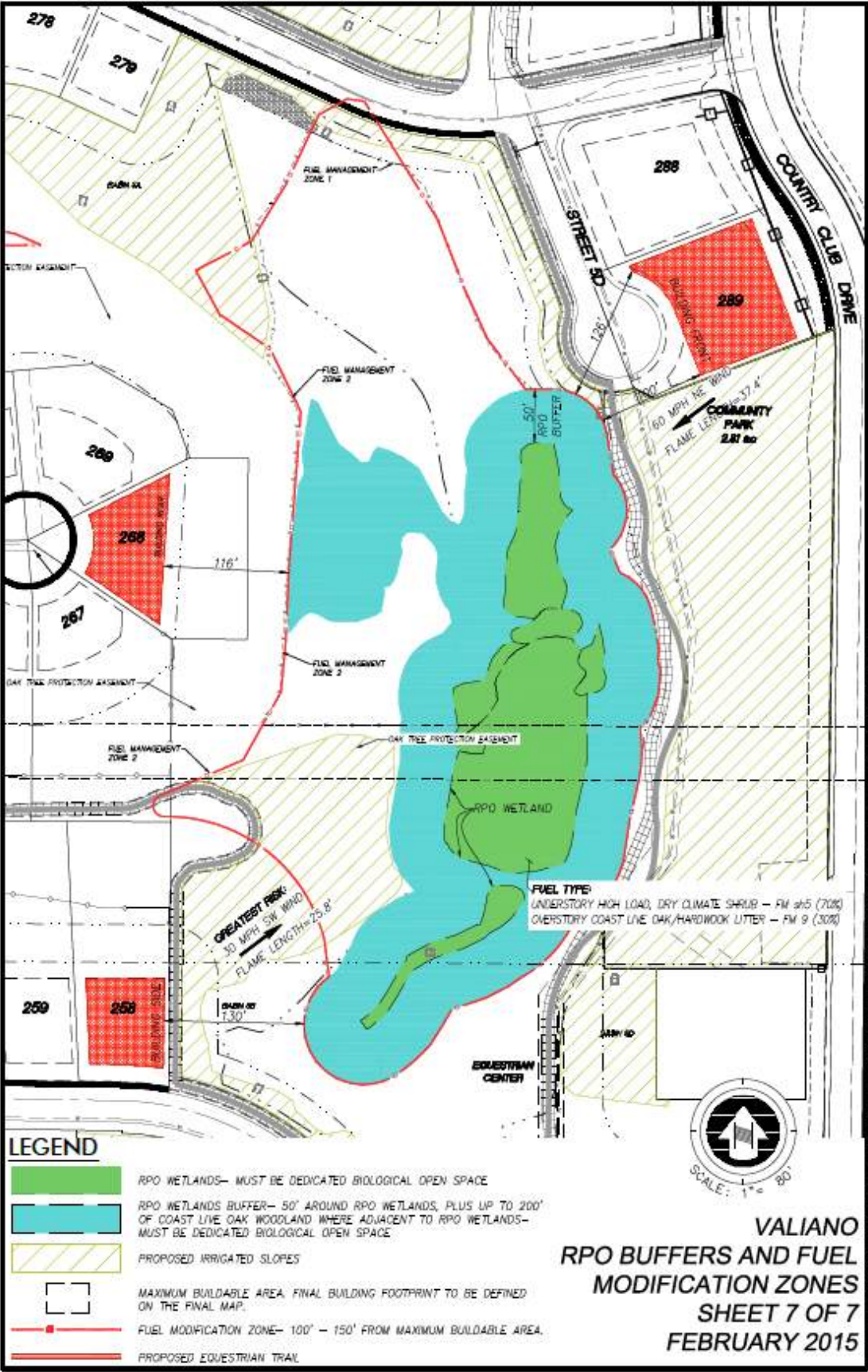


EXHIBIT 1

FUEL TREATMENT LOCATION MAP

