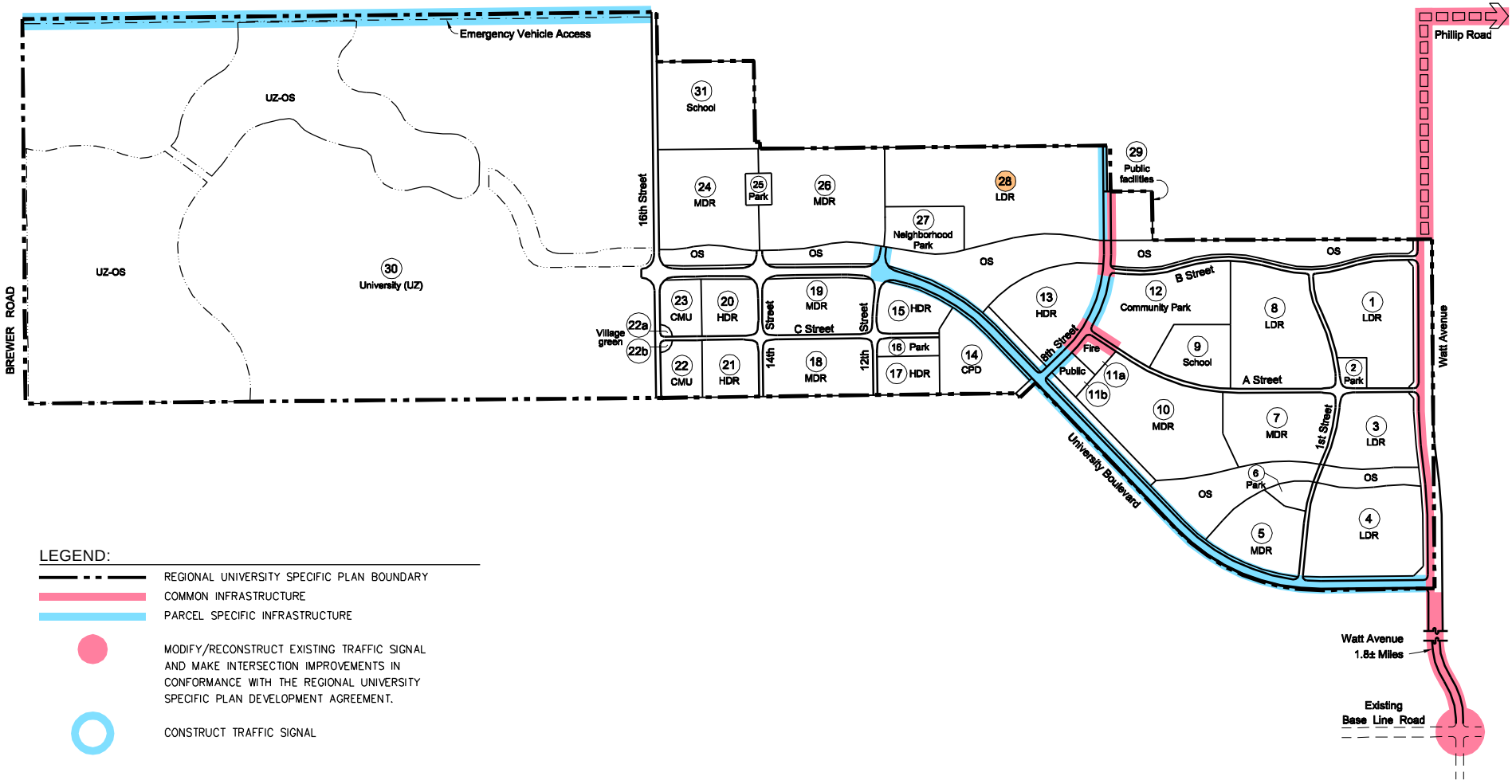

0' 500' 1000' 2000' 1/2 mile

MACKAY & SOMPS
CIVIL ENGINEERS, INC.
ROSEVILLE, CALIFORNIA (916) 773-1189

Exhibit 28-1
Regional University Specific Plan
Parcel 28
Roadway Infrastructure Requirements

June 2008

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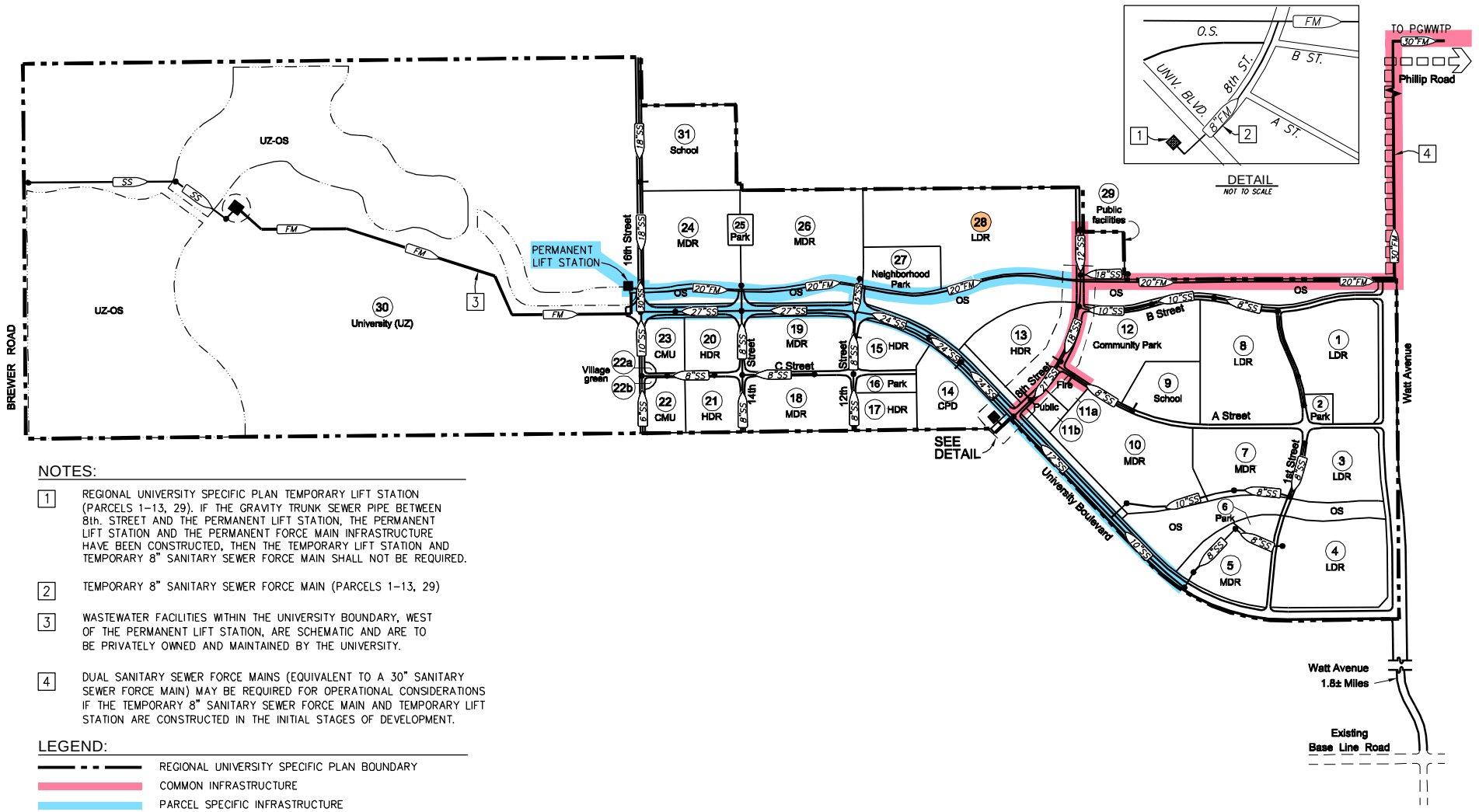

NOTES:

1. REGIONAL UNIVERSITY SPECIFIC PLAN TEMPORARY LIFT STATION (PARCELS 1–13, 29). IF THE GRAVITY TRUNK SEWER PIPE BETWEEN 8th. STREET AND THE PERMANENT LIFT STATION, THE PERMANENT LIFT STATION AND THE PERMANENT FORCE MAIN INFRASTRUCTURE HAVE BEEN CONSTRUCTED, THEN THE TEMPORARY LIFT STATION AND TEMPORARY 8" SANITARY SEWER FORCE MAIN SHALL NOT BE REQUIRED.
2. TEMPORARY 8" SANITARY SEWER FORCE MAIN (PARCELS 1–13, 29)
3. WASTEWATER FACILITIES WITHIN THE UNIVERSITY BOUNDARY, WEST OF THE PERMANENT LIFT STATION, ARE SCHEMATIC AND ARE TO BE PRIVATELY OWNED AND MAINTAINED BY THE UNIVERSITY.
4. DUAL SANITARY SEWER FORCE MAINS (EQUIVALENT TO A 30" SANITARY SEWER FORCE MAIN) MAY BE REQUIRED FOR OPERATIONAL CONSIDERATIONS IF THE TEMPORARY 8" SANITARY SEWER FORCE MAIN AND TEMPORARY LIFT STATION ARE CONSTRUCTED IN THE INITIAL STAGES OF DEVELOPMENT.

LEGEND:

- REGIONAL UNIVERSITY SPECIFIC PLAN BOUNDARY
- COMMON INFRASTRUCTURE
- PARCEL SPECIFIC INFRASTRUCTURE
- SS — GRAVITY SANITARY SEWER WITH SIZE
- FM — FORCE MAIN SANITARY SEWER WITH SIZE
- WASTEWATER PUMP STATION

0' 500' 1000' 2000' 1/2 mile

MACKAY & SOMPS CIVIL ENGINEERS, INC.
ROSEVILLE, CALIFORNIA (916) 773-1189

Exhibit 28-2
Regional University Specific Plan
Parcel 28
Sanitary Sewer Infrastructure Requirements

June 2008

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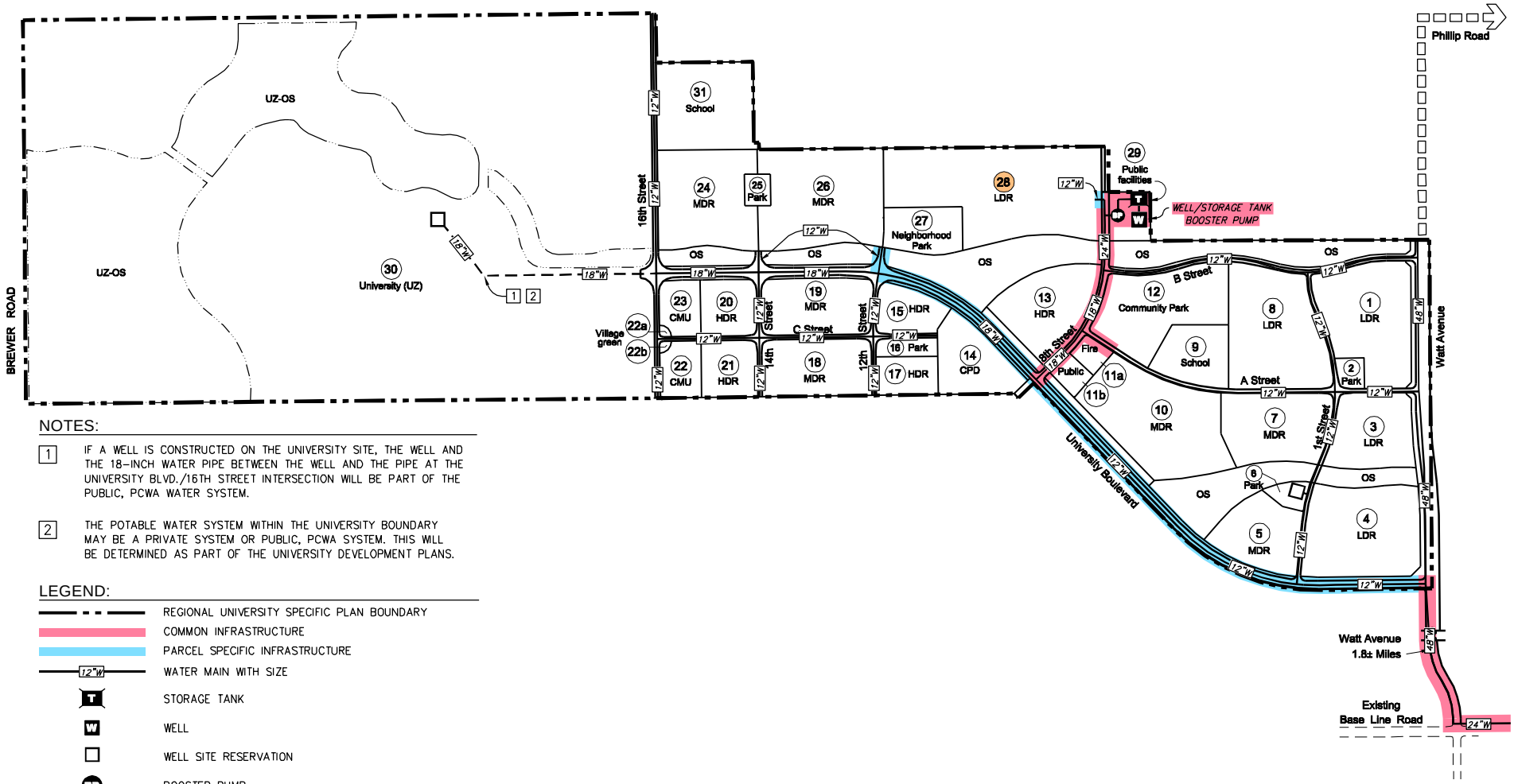

NOTES:

1. IF A WELL IS CONSTRUCTED ON THE UNIVERSITY SITE, THE WELL AND THE 18-INCH WATER PIPE BETWEEN THE WELL AND THE PIPE AT THE UNIVERSITY BLVD./16TH STREET INTERSECTION WILL BE PART OF THE PUBLIC, PCWA WATER SYSTEM.

2. THE POTABLE WATER SYSTEM WITHIN THE UNIVERSITY BOUNDARY MAY BE A PRIVATE SYSTEM OR PUBLIC, PCWA SYSTEM. THIS WILL BE DETERMINED AS PART OF THE UNIVERSITY DEVELOPMENT PLANS.

LEGEND:

- REGIONAL UNIVERSITY SPECIFIC PLAN BOUNDARY
- COMMON INFRASTRUCTURE
- PARCEL SPECIFIC INFRASTRUCTURE
- 12"W — WATER MAIN WITH SIZE
- T — STORAGE TANK
- W — WELL
- WELL SITE RESERVATION
- BP — BOOSTER PUMP

0' 500' 1000' 2000' 1/2 mile

MACKAY & SOMPS
CIVIL ENGINEERS, INC.
ROSEVILLE, CALIFORNIA (916) 773-1189

Exhibit 28-3
Regional University Specific Plan
Parcel 28
Potable Water Infrastructure Requirements

June 2008

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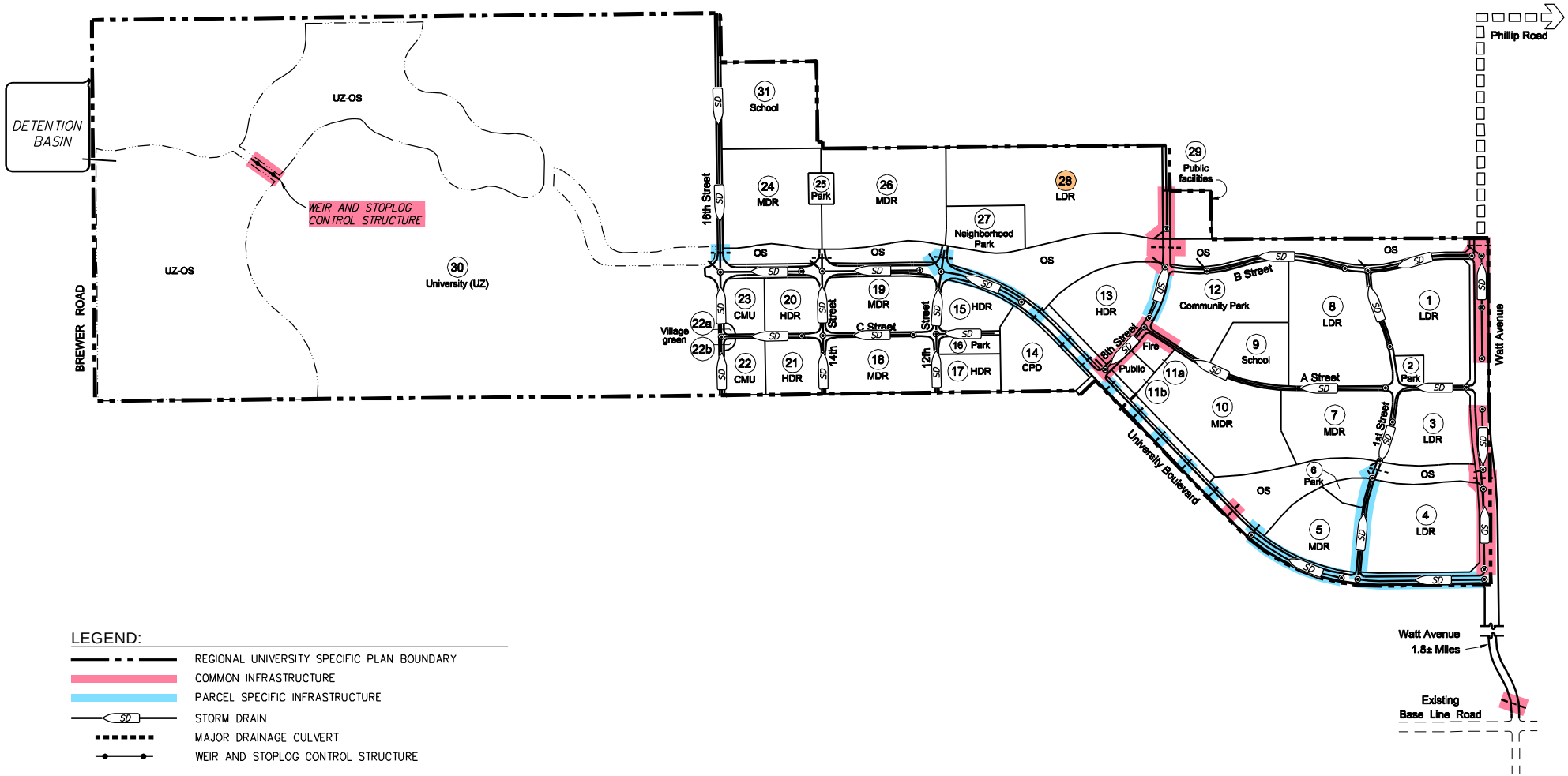

LEGEND:

- REGIONAL UNIVERSITY SPECIFIC PLAN BOUNDARY
- COMMON INFRASTRUCTURE
- PARCEL SPECIFIC INFRASTRUCTURE
- SD — STORM DRAIN
- MAJOR DRAINAGE CULVERT
- WEIR AND STOPLOG CONTROL STRUCTURE

0' 500' 1000' 2000' 1/2 mile

MACKAY & SOMPS
CIVIL ENGINEERS, INC.
ROSEVILLE, CALIFORNIA (916) 773-1189

Exhibit 28-4
Regional University Specific Plan
Parcel 28
Storm Drain Infrastructure Requirements

June 2008

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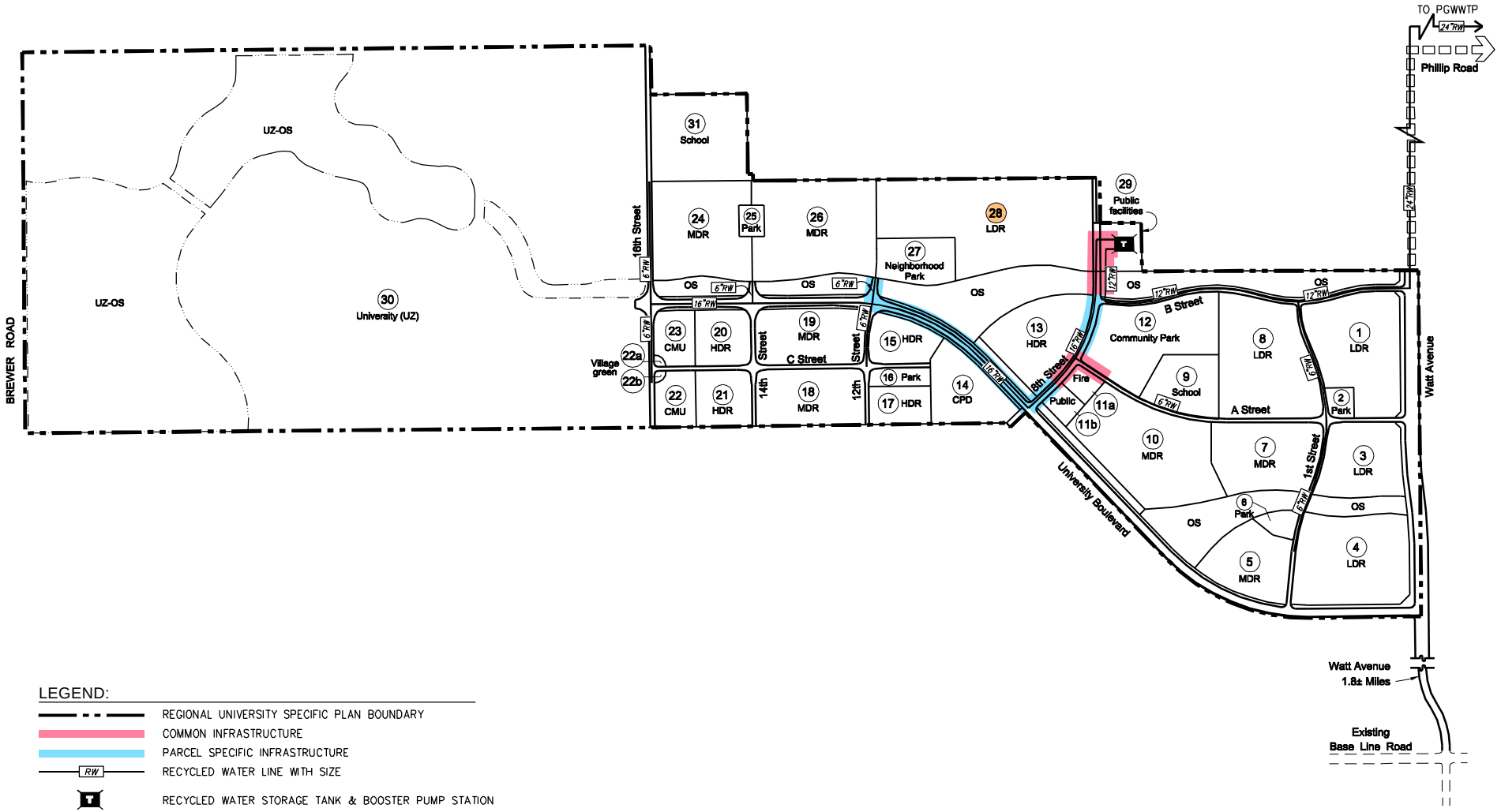

LEGEND:

- REGIONAL UNIVERSITY SPECIFIC PLAN BOUNDARY
- COMMON INFRASTRUCTURE
- PARCEL SPECIFIC INFRASTRUCTURE
- RW — RECYCLED WATER LINE WITH SIZE
- RECYCLED WATER STORAGE TANK & BOOSTER PUMP STATION

0' 500' 1000' 2000' 1/2 mile

MACKAY & SOMPS
CIVIL ENGINEERS, INC.
ROSEVILLE, CALIFORNIA (916) 773-1189

Exhibit 28-5
Regional University Specific Plan
Parcel 28
Recycled Water Infrastructure Requirements

June 2008

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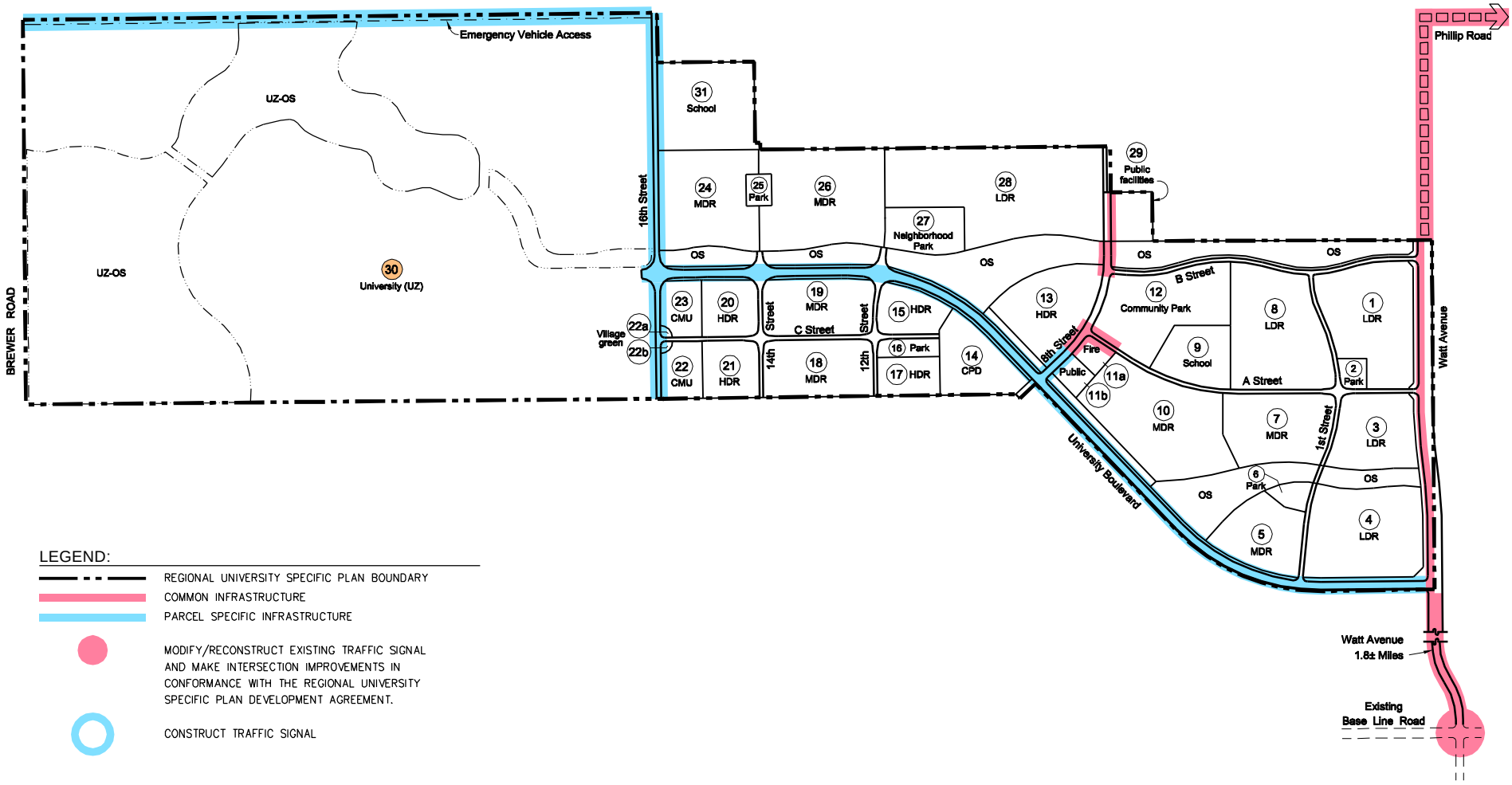

0' 500' 1000' 2000' 1/2 mile

MACKAY & SOMPS
CIVIL ENGINEERS, INC.
ROSEVILLE, CALIFORNIA (916) 773-1189

Exhibit 30-1
Regional University Specific Plan
Parcel 30
Roadway Infrastructure Requirements

June 2008

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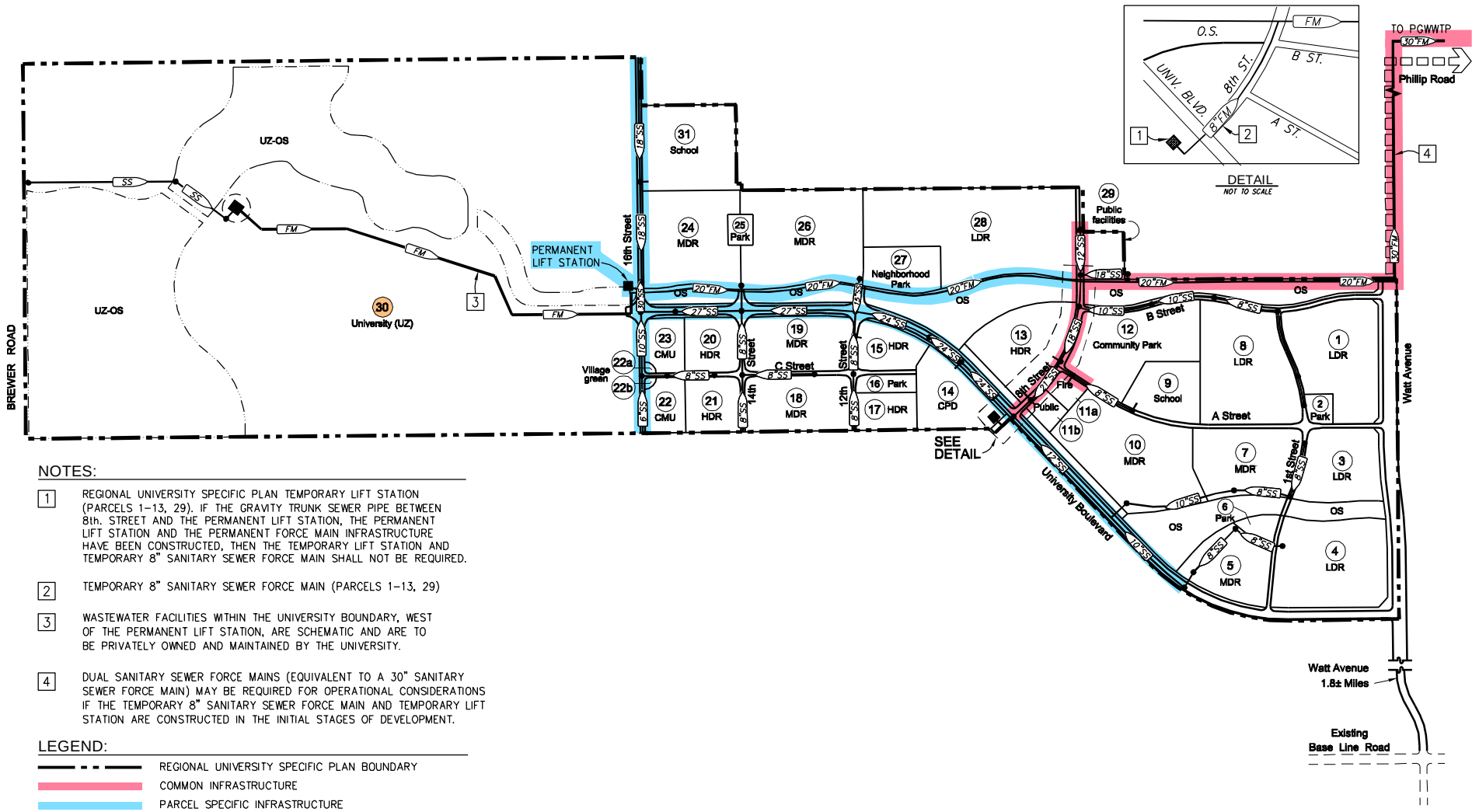

NOTES:

1. REGIONAL UNIVERSITY SPECIFIC PLAN TEMPORARY LIFT STATION (PARCELS 1–13, 29). IF THE GRAVITY TRUNK SEWER PIPE BETWEEN 8th. STREET AND THE PERMANENT LIFT STATION, THE PERMANENT LIFT STATION AND THE PERMANENT FORCE MAIN INFRASTRUCTURE HAVE BEEN CONSTRUCTED, THEN THE TEMPORARY LIFT STATION AND TEMPORARY 8" SANITARY SEWER FORCE MAIN SHALL NOT BE REQUIRED.
2. TEMPORARY 8" SANITARY SEWER FORCE MAIN (PARCELS 1–13, 29)
3. WASTEWATER FACILITIES WITHIN THE UNIVERSITY BOUNDARY, WEST OF THE PERMANENT LIFT STATION, ARE SCHEMATIC AND ARE TO BE PRIVATELY OWNED AND MAINTAINED BY THE UNIVERSITY.
4. DUAL SANITARY SEWER FORCE MAINS (EQUIVALENT TO A 30" SANITARY SEWER FORCE MAIN) MAY BE REQUIRED FOR OPERATIONAL CONSIDERATIONS IF THE TEMPORARY 8" SANITARY SEWER FORCE MAIN AND TEMPORARY LIFT STATION ARE CONSTRUCTED IN THE INITIAL STAGES OF DEVELOPMENT.

LEGEND:

- REGIONAL UNIVERSITY SPECIFIC PLAN BOUNDARY
- COMMON INFRASTRUCTURE
- PARCEL SPECIFIC INFRASTRUCTURE
- SS — GRAVITY SANITARY SEWER WITH SIZE
- FM — FORCE MAIN SANITARY SEWER WITH SIZE
- WASTEWATER PUMP STATION

0' 500' 1000' 2000' 1/2 mile

MACKAY & SOMPS CIVIL ENGINEERS, INC.
ROSEVILLE, CALIFORNIA (916) 773-1189

Exhibit 30-2
Regional University Specific Plan
Parcel 30
Sanitary Sewer Infrastructure Requirements

June 2008

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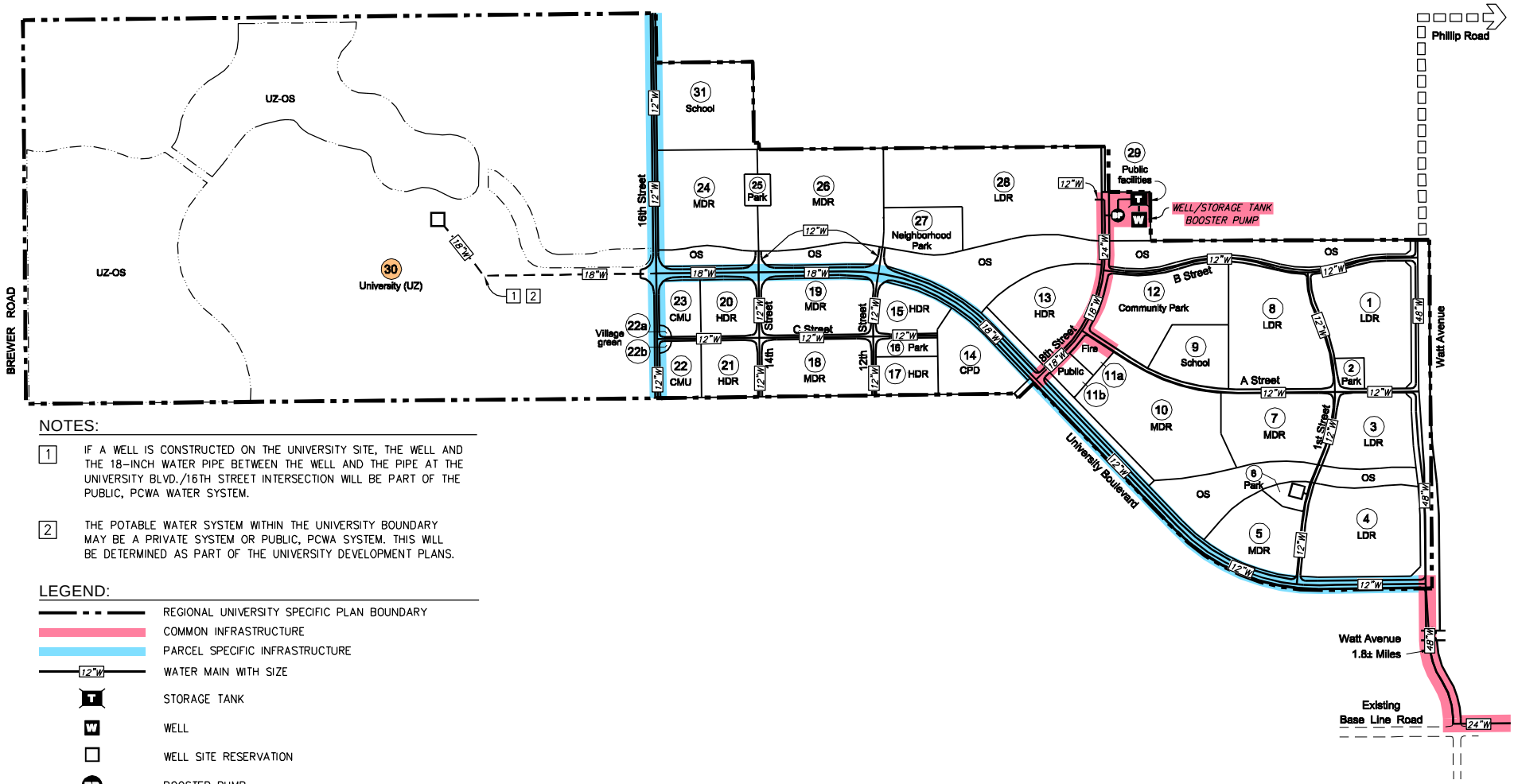

NOTES:

1. IF A WELL IS CONSTRUCTED ON THE UNIVERSITY SITE, THE WELL AND THE 18-INCH WATER PIPE BETWEEN THE WELL AND THE PIPE AT THE UNIVERSITY BLVD./16TH STREET INTERSECTION WILL BE PART OF THE PUBLIC, PCWA WATER SYSTEM.

2. THE POTABLE WATER SYSTEM WITHIN THE UNIVERSITY BOUNDARY MAY BE A PRIVATE SYSTEM OR PUBLIC, PCWA SYSTEM. THIS WILL BE DETERMINED AS PART OF THE UNIVERSITY DEVELOPMENT PLANS.

LEGEND:

- REGIONAL UNIVERSITY SPECIFIC PLAN BOUNDARY
- COMMON INFRASTRUCTURE
- PARCEL SPECIFIC INFRASTRUCTURE
- 12"W — WATER MAIN WITH SIZE
- T — STORAGE TANK
- W — WELL
- WELL SITE RESERVATION
- BP — BOOSTER PUMP

0' 500' 1000' 2000' 1/2 mile

MACKAY & SOMPS CIVIL ENGINEERS, INC.
ROSEVILLE, CALIFORNIA (916) 773-1189

Exhibit 30-3
Regional University Specific Plan
Parcel 30
Potable Water Infrastructure Requirements

June 2008

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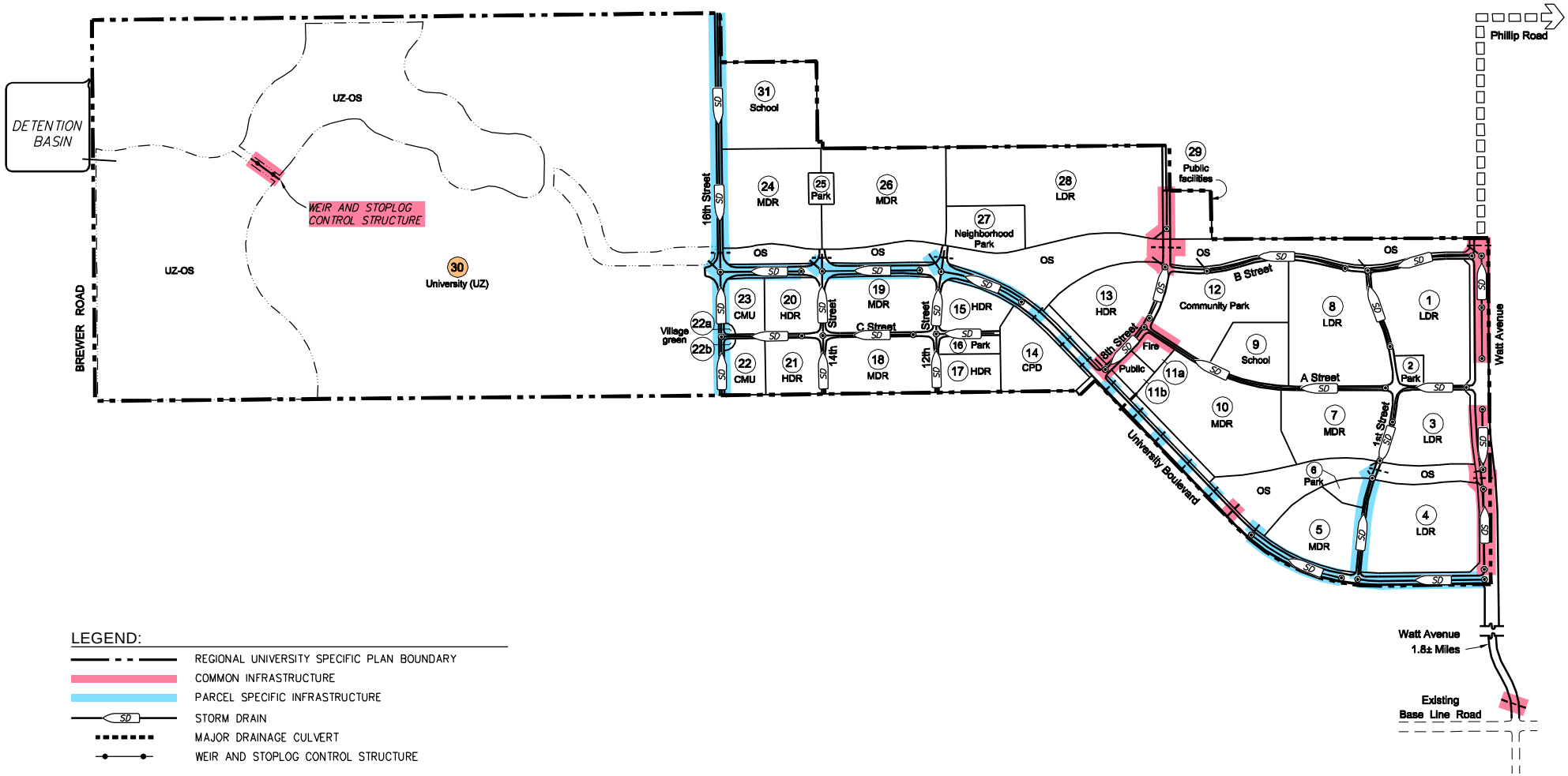

LEGEND:

- REGIONAL UNIVERSITY SPECIFIC PLAN BOUNDARY
- COMMON INFRASTRUCTURE
- PARCEL SPECIFIC INFRASTRUCTURE
- STORM DRAIN
- MAJOR DRAINAGE CULVERT
- WEIR AND STOPLOG CONTROL STRUCTURE

0' 500' 1000' 2000' 1/2 mile

MACKAY & SOMPS
CIVIL ENGINEERS, INC.
ROSEVILLE, CALIFORNIA (916) 773-1189

Exhibit 30-4
Regional University Specific Plan
Parcel 30
Storm Drain Infrastructure Requirements

June 2008

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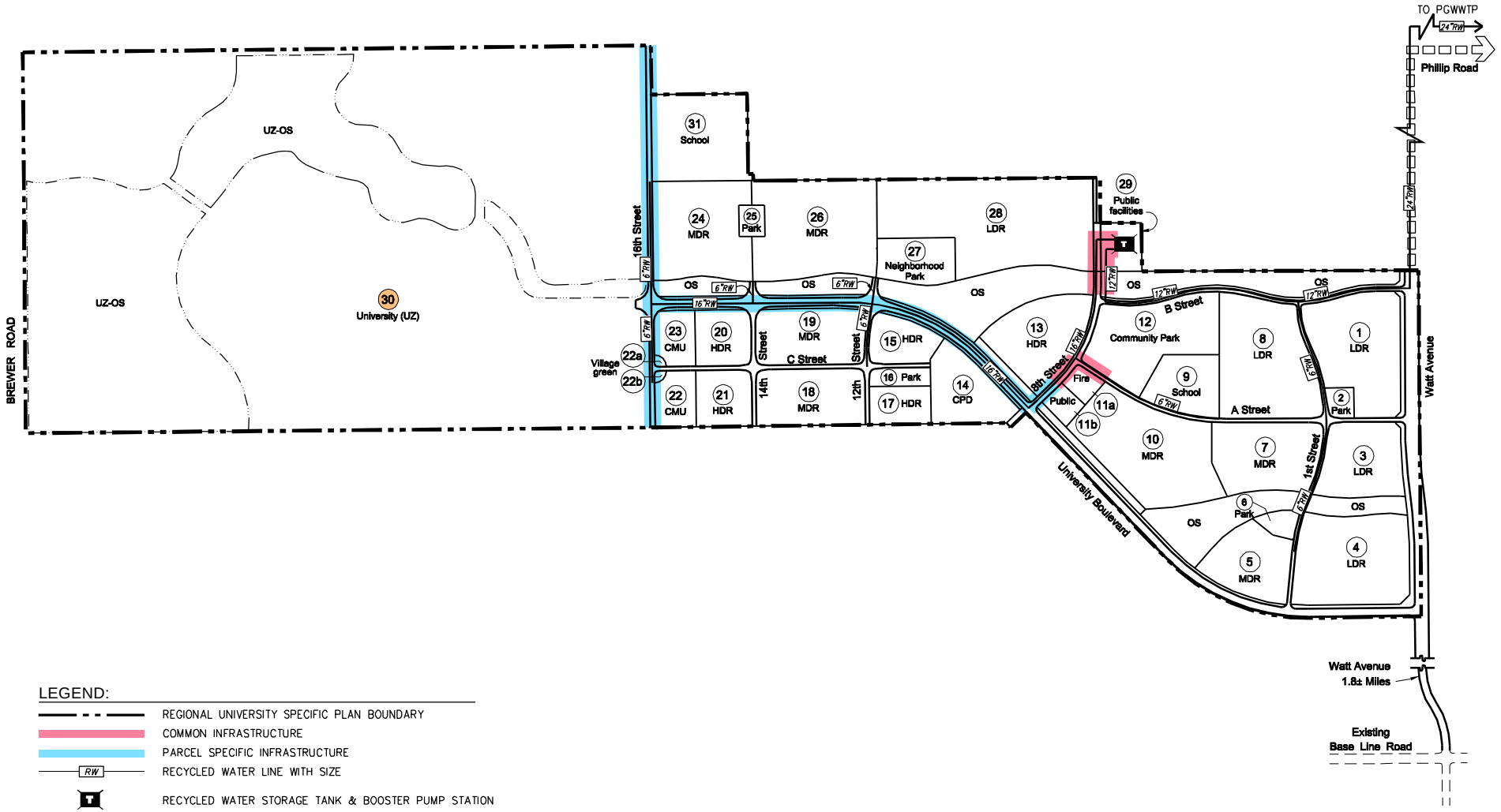

LEGEND:

- REGIONAL UNIVERSITY SPECIFIC PLAN BOUNDARY
- COMMON INFRASTRUCTURE
- PARCEL SPECIFIC INFRASTRUCTURE
- RW — RECYCLED WATER LINE WITH SIZE
- RECYCLED WATER STORAGE TANK & BOOSTER PUMP STATION

0' 500' 1000' 2000' 1/2 mile

MACKAY & SOMPS
CIVIL ENGINEERS, INC.
ROSEVILLE, CALIFORNIA (916) 773-1189

Exhibit 30-5
Regional University Specific Plan
Parcel 30
Recycled Water Infrastructure Requirements

June 2008

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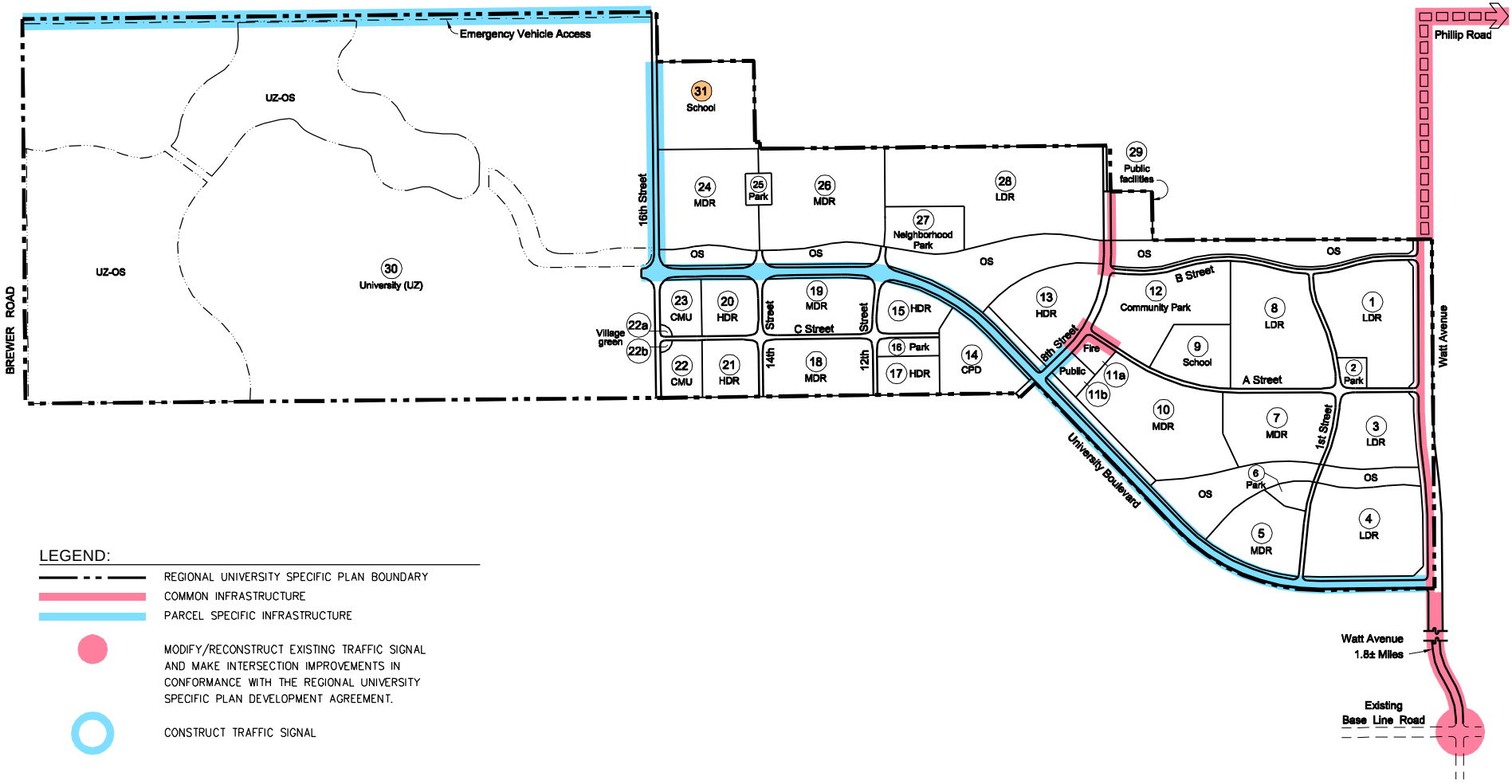

0' 500' 1000' 2000' 1/2 mile

MACKAY & SOMPS
CIVIL ENGINEERS, INC.
ROSEVILLE, CALIFORNIA (916) 773-1189

Exhibit 31-1
Regional University Specific Plan
Parcel 31
Roadway Infrastructure Requirements

June 2008

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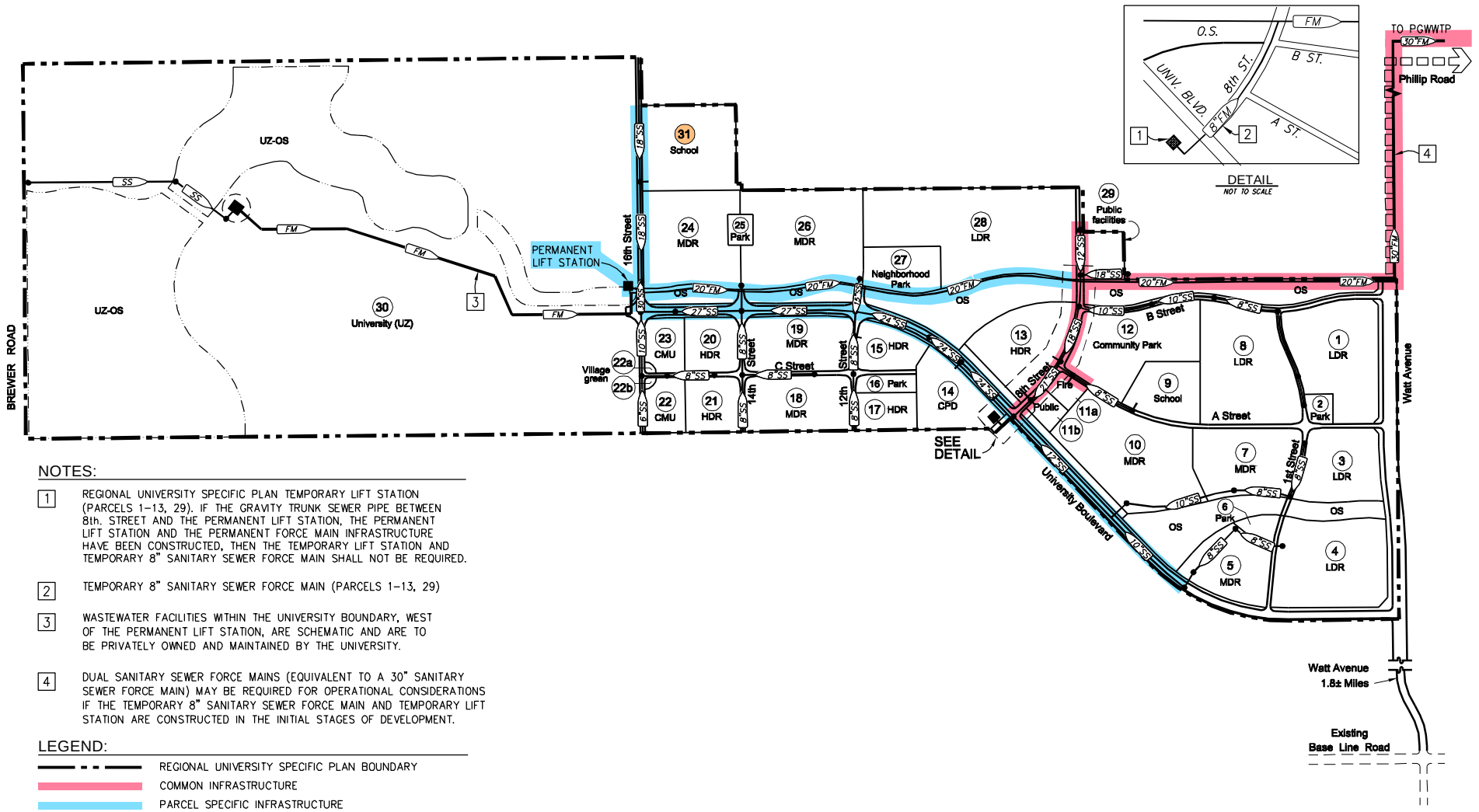

NOTES:

1. REGIONAL UNIVERSITY SPECIFIC PLAN TEMPORARY LIFT STATION (PARCELS 1–13, 29). IF THE GRAVITY TRUNK SEWER PIPE BETWEEN 8th. STREET AND THE PERMANENT LIFT STATION, THE PERMANENT LIFT STATION AND THE PERMANENT FORCE MAIN INFRASTRUCTURE HAVE BEEN CONSTRUCTED, THEN THE TEMPORARY LIFT STATION AND TEMPORARY 8" SANITARY SEWER FORCE MAIN SHALL NOT BE REQUIRED.
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4. DUAL SANITARY SEWER FORCE MAINS (EQUIVALENT TO A 30" SANITARY SEWER FORCE MAIN) MAY BE REQUIRED FOR OPERATIONAL CONSIDERATIONS IF THE TEMPORARY 8" SANITARY SEWER FORCE MAIN AND TEMPORARY LIFT STATION ARE CONSTRUCTED IN THE INITIAL STAGES OF DEVELOPMENT.

LEGEND:

- REGIONAL UNIVERSITY SPECIFIC PLAN BOUNDARY
- COMMON INFRASTRUCTURE
- PARCEL SPECIFIC INFRASTRUCTURE
- SS — GRAVITY SANITARY SEWER WITH SIZE
- FM — FORCE MAIN SANITARY SEWER WITH SIZE
- WASTEWATER PUMP STATION

0' 500' 1000' 2000' 1/2 mile

MACKAY & SOMPS CIVIL ENGINEERS, INC.
ROSEVILLE, CALIFORNIA (916) 773-1189

Exhibit 31-2
Regional University Specific Plan
Parcel 31
Sanitary Sewer Infrastructure Requirements

June 2008

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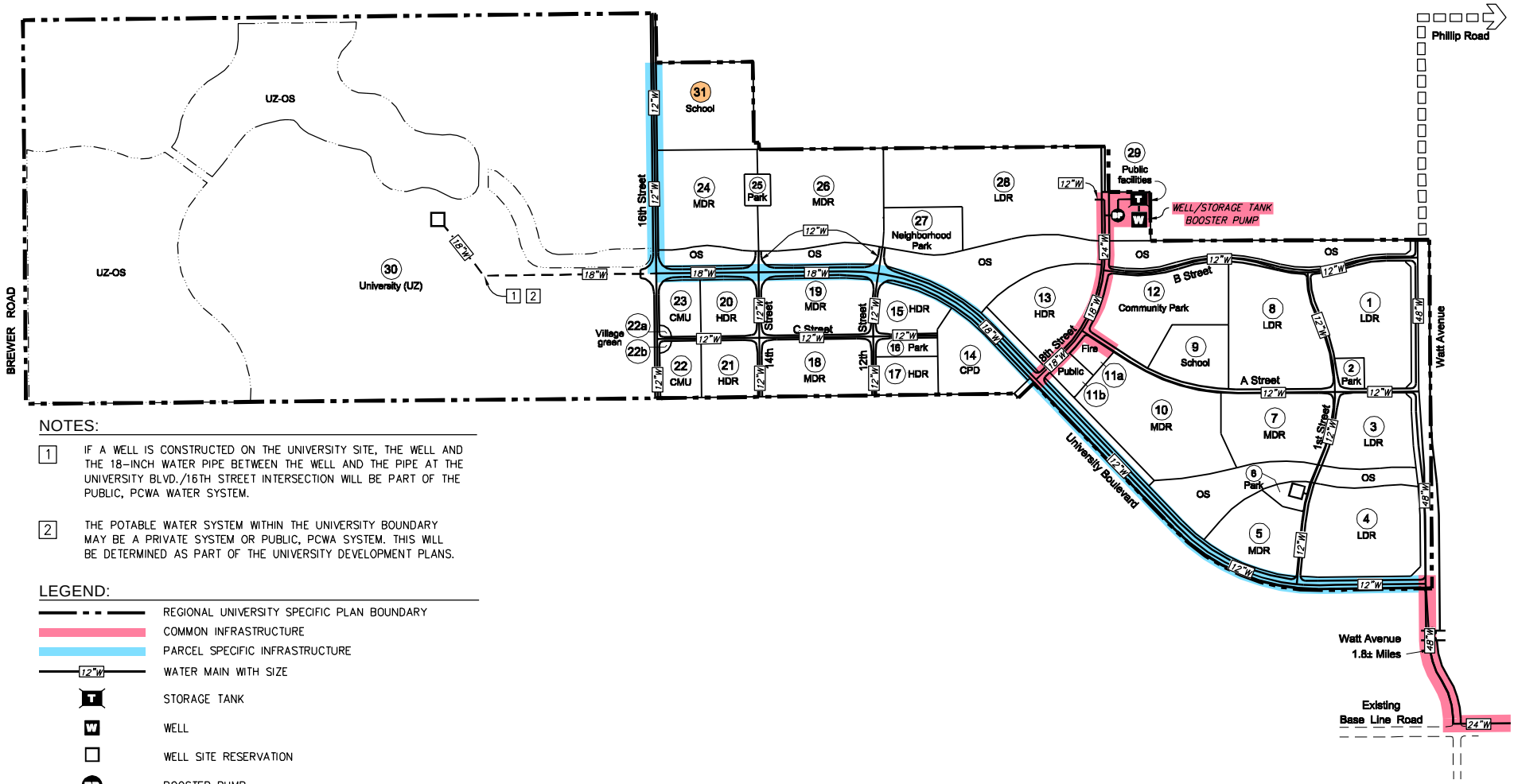

NOTES:

1. IF A WELL IS CONSTRUCTED ON THE UNIVERSITY SITE, THE WELL AND THE 18-INCH WATER PIPE BETWEEN THE WELL AND THE PIPE AT THE UNIVERSITY BLVD./16TH STREET INTERSECTION WILL BE PART OF THE PUBLIC, PCWA WATER SYSTEM.

2. THE POTABLE WATER SYSTEM WITHIN THE UNIVERSITY BOUNDARY MAY BE A PRIVATE SYSTEM OR PUBLIC, PCWA SYSTEM. THIS WILL BE DETERMINED AS PART OF THE UNIVERSITY DEVELOPMENT PLANS.

LEGEND:

- REGIONAL UNIVERSITY SPECIFIC PLAN BOUNDARY
- COMMON INFRASTRUCTURE
- PARCEL SPECIFIC INFRASTRUCTURE
- 12"W — WATER MAIN WITH SIZE
- T — STORAGE TANK
- W — WELL
- WELL SITE RESERVATION
- BP — BOOSTER PUMP

0' 500' 1000' 2000' 1/2 mile

MACKAY & SOMPS
CIVIL ENGINEERS, INC.
ROSEVILLE, CALIFORNIA (916) 773-1189

Exhibit 31-3
Regional University Specific Plan
Parcel 31
Potable Water Infrastructure Requirements

June 2008

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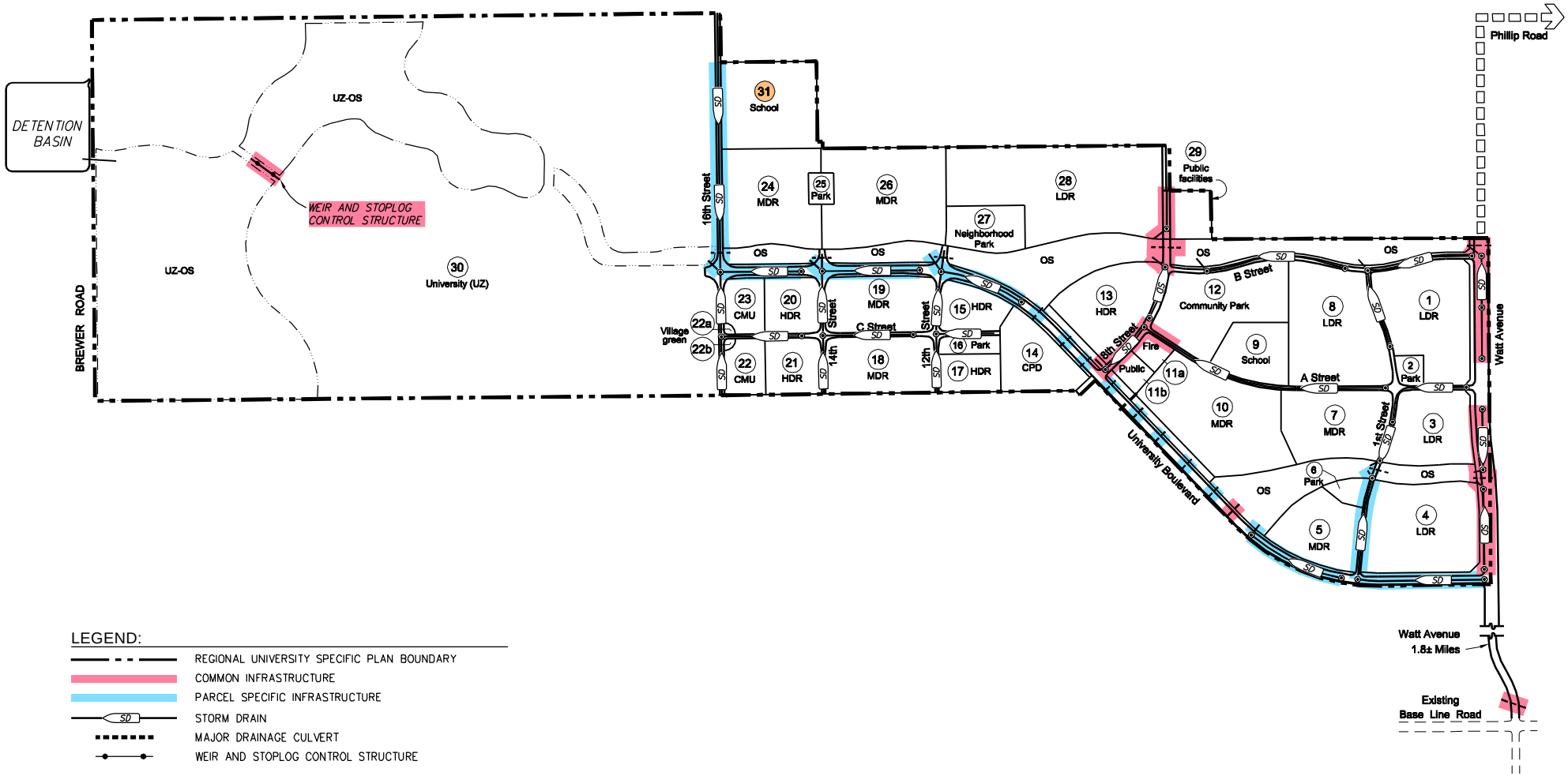

LEGEND:

- REGIONAL UNIVERSITY SPECIFIC PLAN BOUNDARY
- COMMON INFRASTRUCTURE
- PARCEL SPECIFIC INFRASTRUCTURE
- SD — STORM DRAIN
- MAJOR DRAINAGE CULVERT
- WEIR AND STOPLOG CONTROL STRUCTURE

0' 500' 1000' 2000' 1/2 mile

MACKAY & SOMPS
CIVIL ENGINEERS, INC.
ROSEVILLE, CALIFORNIA (916) 773-1189

Exhibit 31-4
Regional University Specific Plan
Parcel 31
Storm Drain Infrastructure Requirements

June 2008

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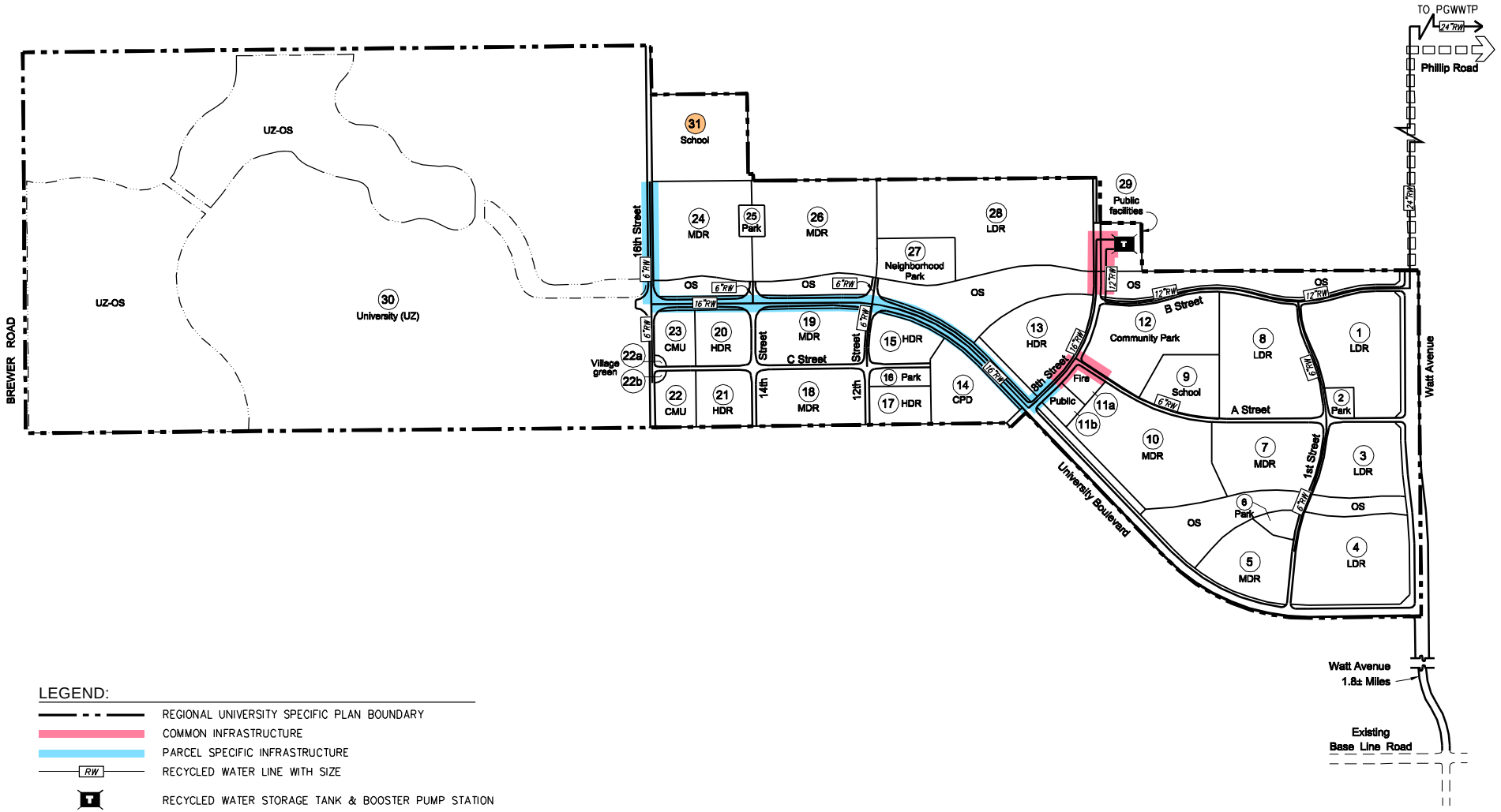

LEGEND:

- REGIONAL UNIVERSITY SPECIFIC PLAN BOUNDARY
- COMMON INFRASTRUCTURE
- PARCEL SPECIFIC INFRASTRUCTURE
- RW — RECYCLED WATER LINE WITH SIZE
- RECYCLED WATER STORAGE TANK & BOOSTER PUMP STATION

0' 500' 1000' 2000' 1/2 mile

MACKAY & SOMPS
CIVIL ENGINEERS, INC.
ROSEVILLE, CALIFORNIA (916) 773-1189

Exhibit 31-5
Regional University Specific Plan
Parcel 31
Recycled Water Infrastructure Requirements

June 2008

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