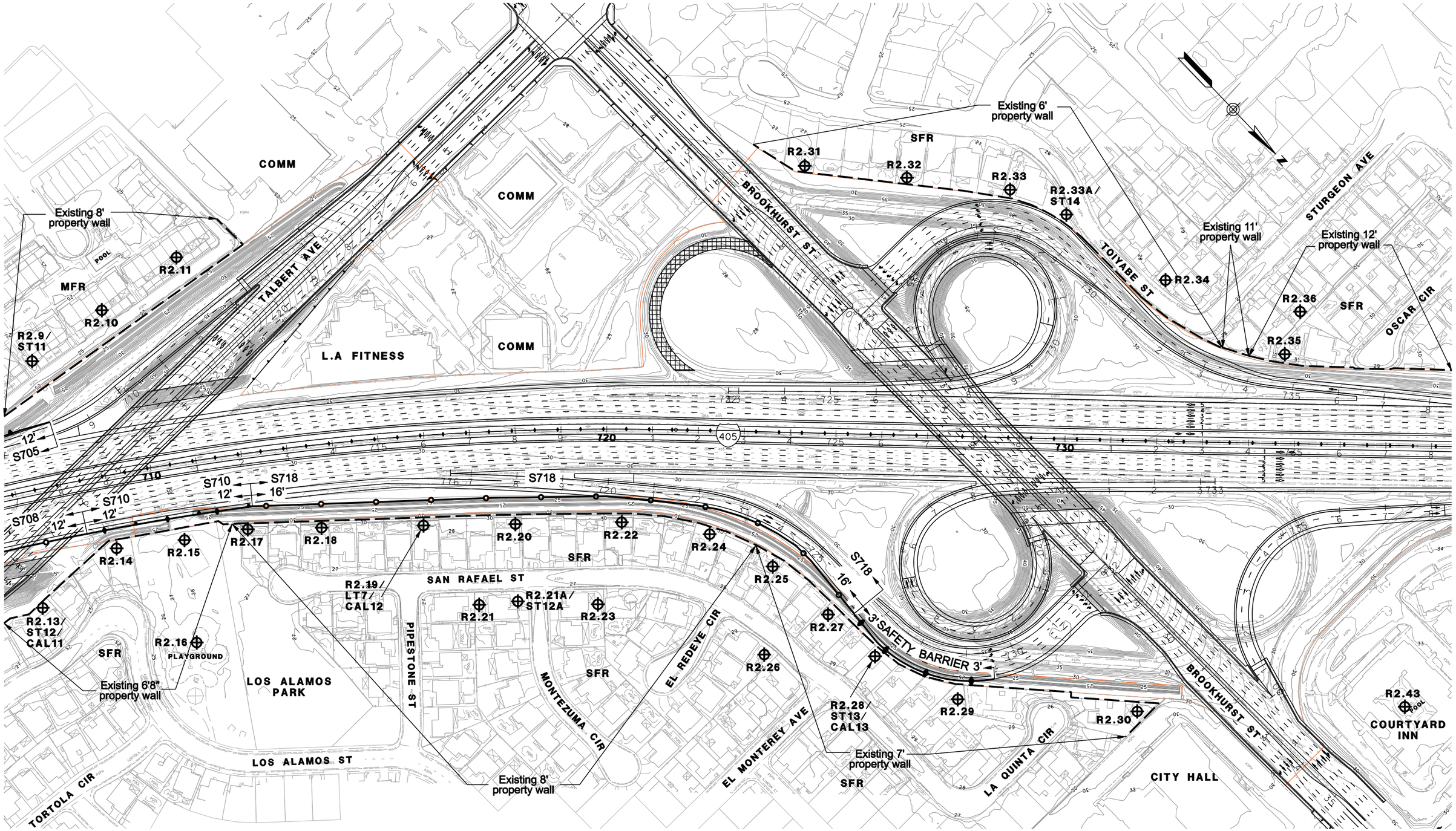

LEGEND

- RXX – RECEIVER SITE
- LT – LONGTERM MEASUREMENT
- ST – SHORTTERM MEASUREMENT
- CAL – CALIBRATION SITE
- EXISTING WALL
- SOUNDWALL
- EXISTING SOUNDWALL
- REPLACEMENT IN KIND SOUNDWALL
- SFR – SINGLE FAMILY RESIDENCE
- MFR – MULTI–FAMILY RESIDENCE
- COMM – COMMERCIAL
- b – BENEFITED RESIDENCE

1in : 200ft

0 ft 100ft 200ft 300ft

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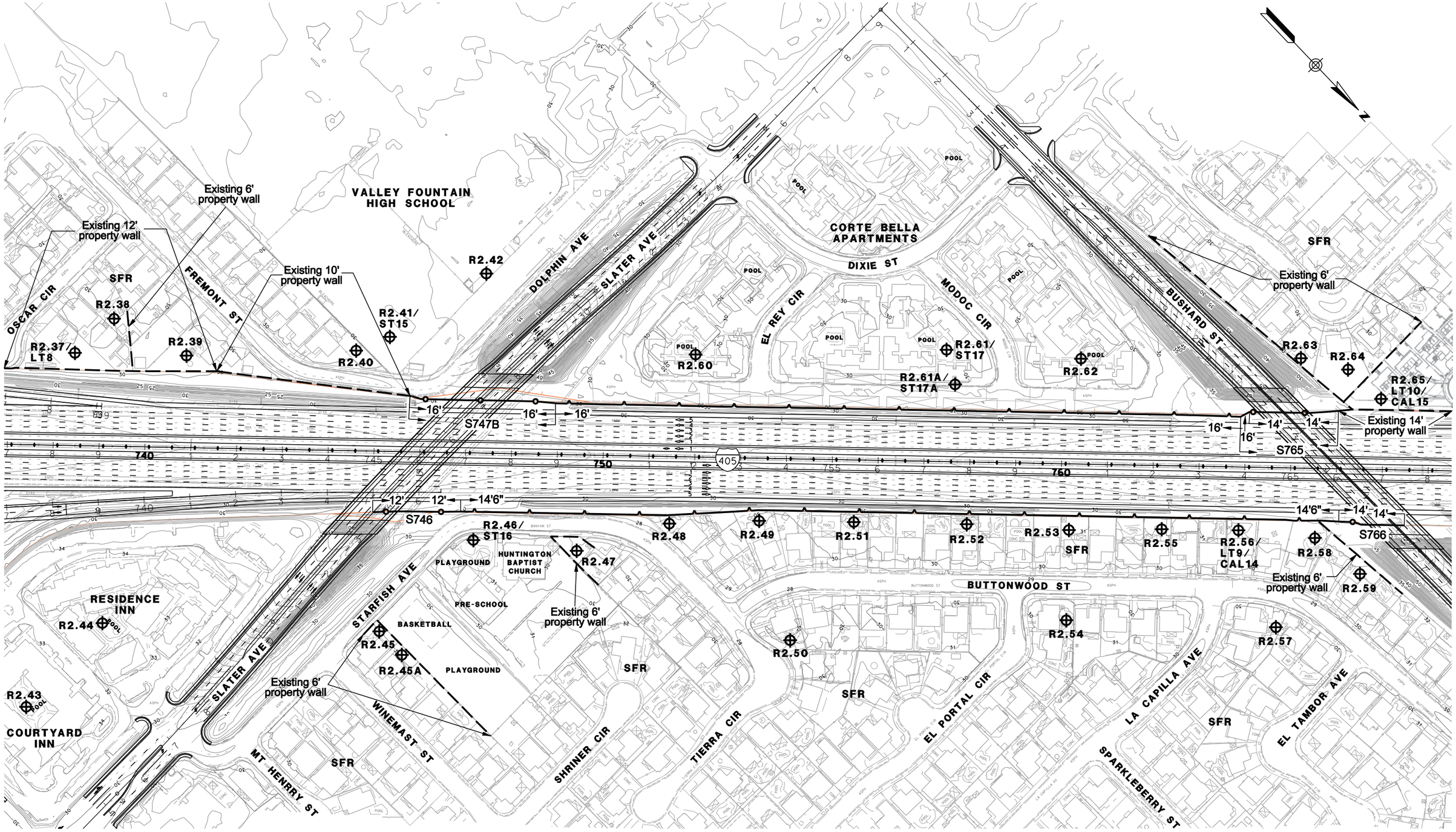
FEBRUARY 25, 2011

FIGURE 8



LEGEND

- RXX – RECEIVER SITE
- LT – LONGTERM MEASUREMENT
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1in : 200ft

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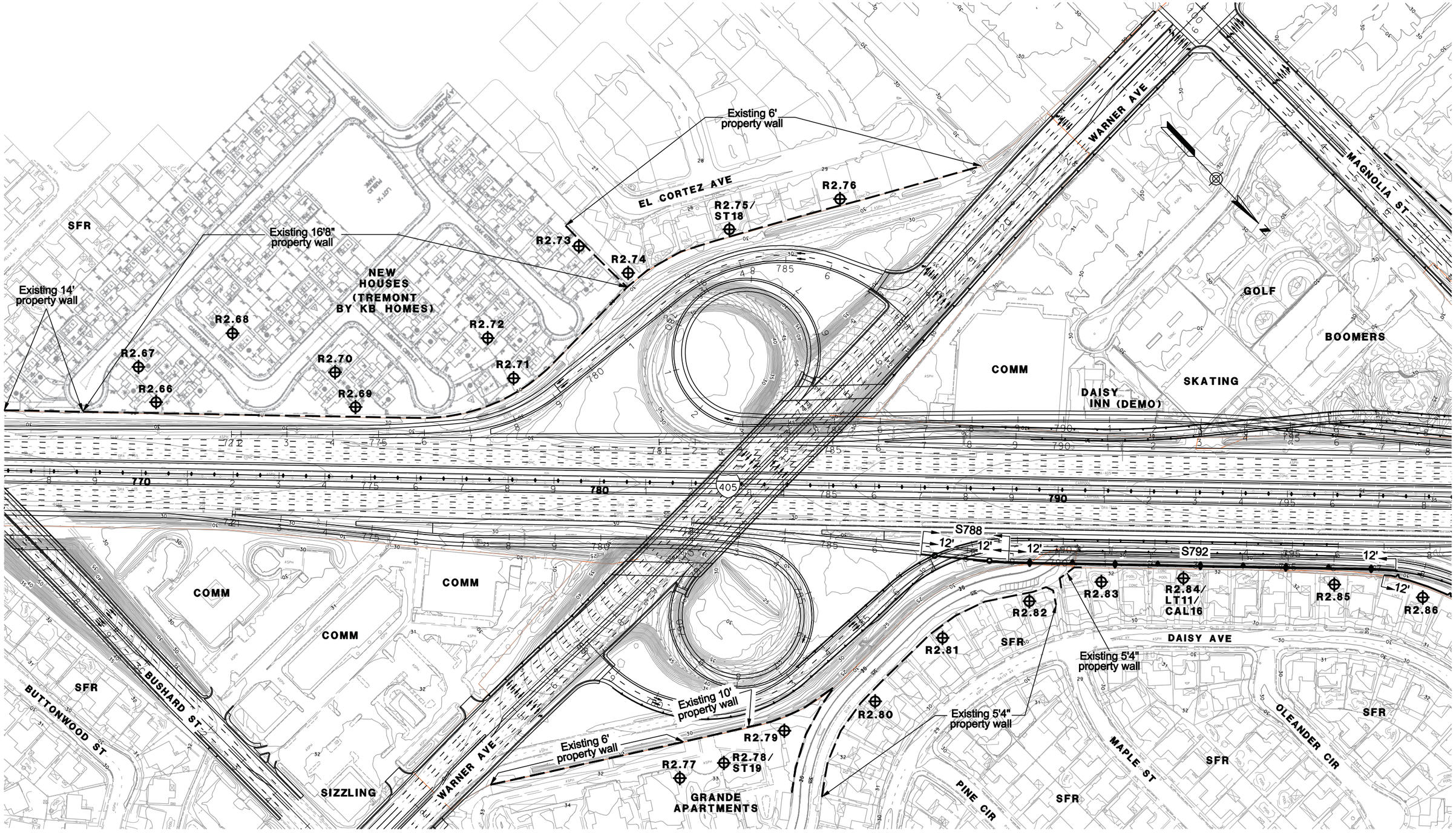
FIGURE 9



LEGEND

- RXX – RECEIVER SITE
- LT – LONGTERM MEASUREMENT
- ST – SHORTTERM MEASUREMENT
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1in : 200ft

0 ft 100ft 200ft 300ft

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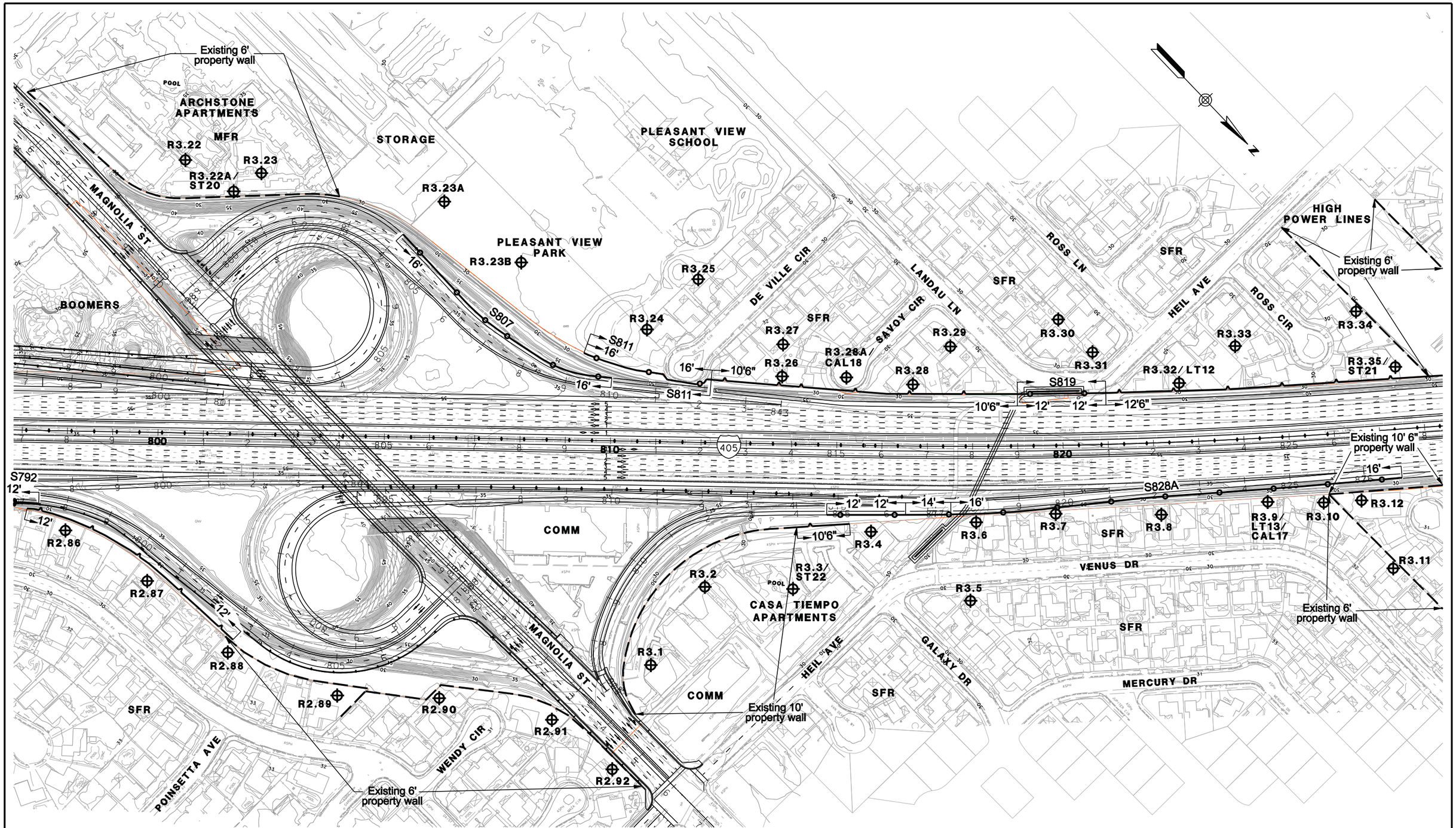
FIGURE 10



LEGEND

- RXX – RECEIVER SITE
- LT – LONGTERM MEASUREMENT
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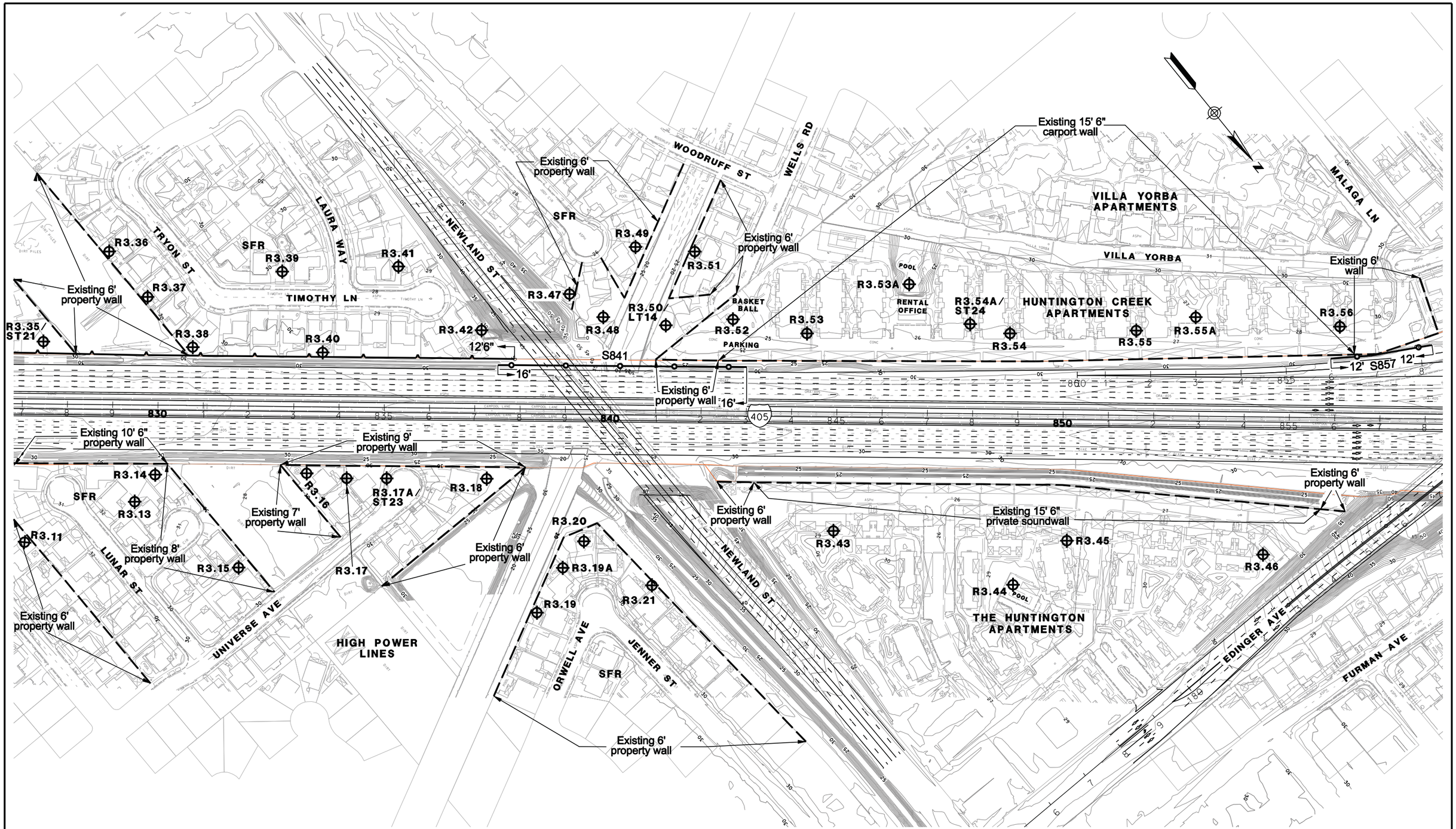
FIGURE 11



LEGEND

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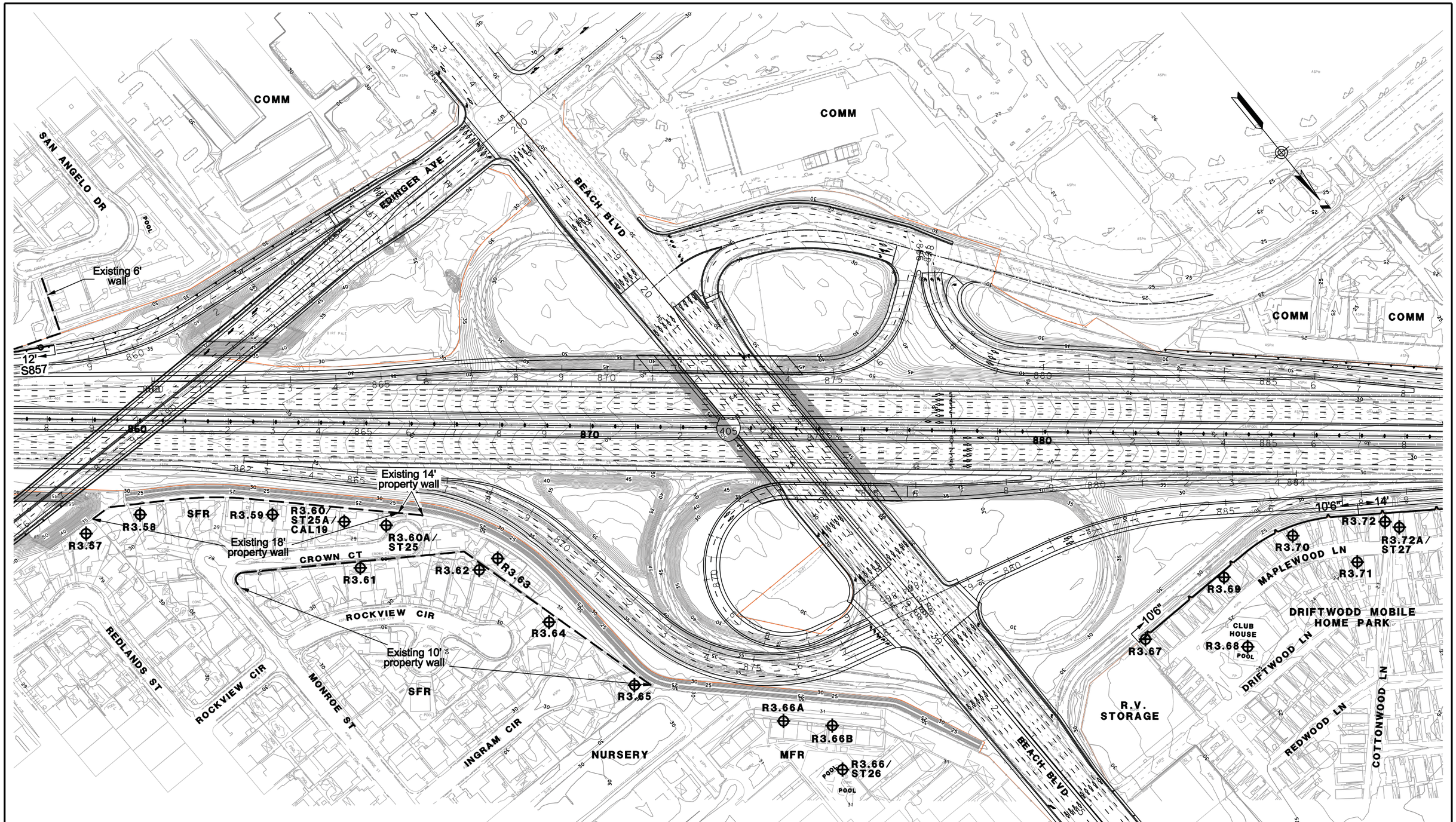
FIGURE 12



LEGEND

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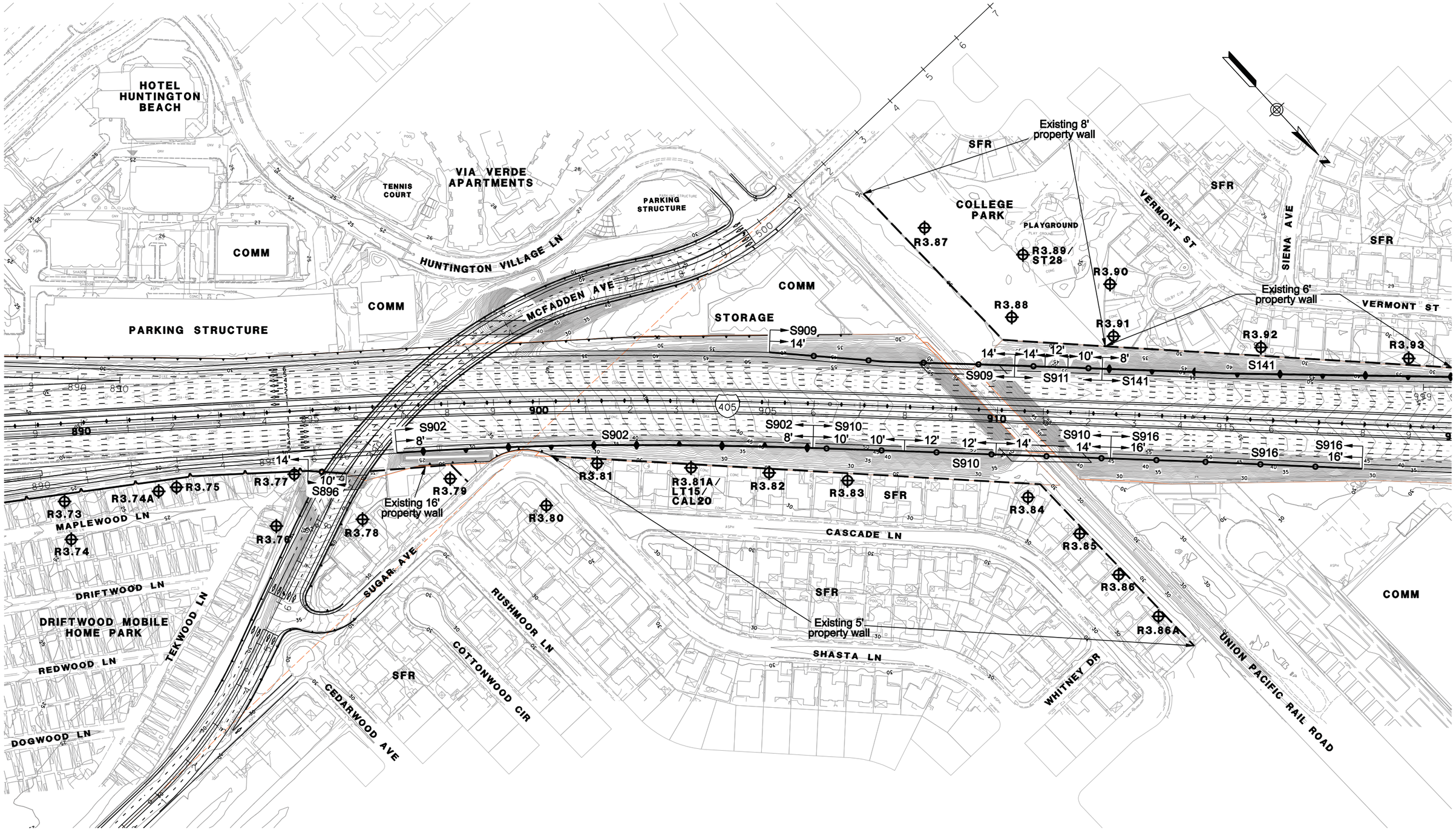
FIGURE 13



LEGEND

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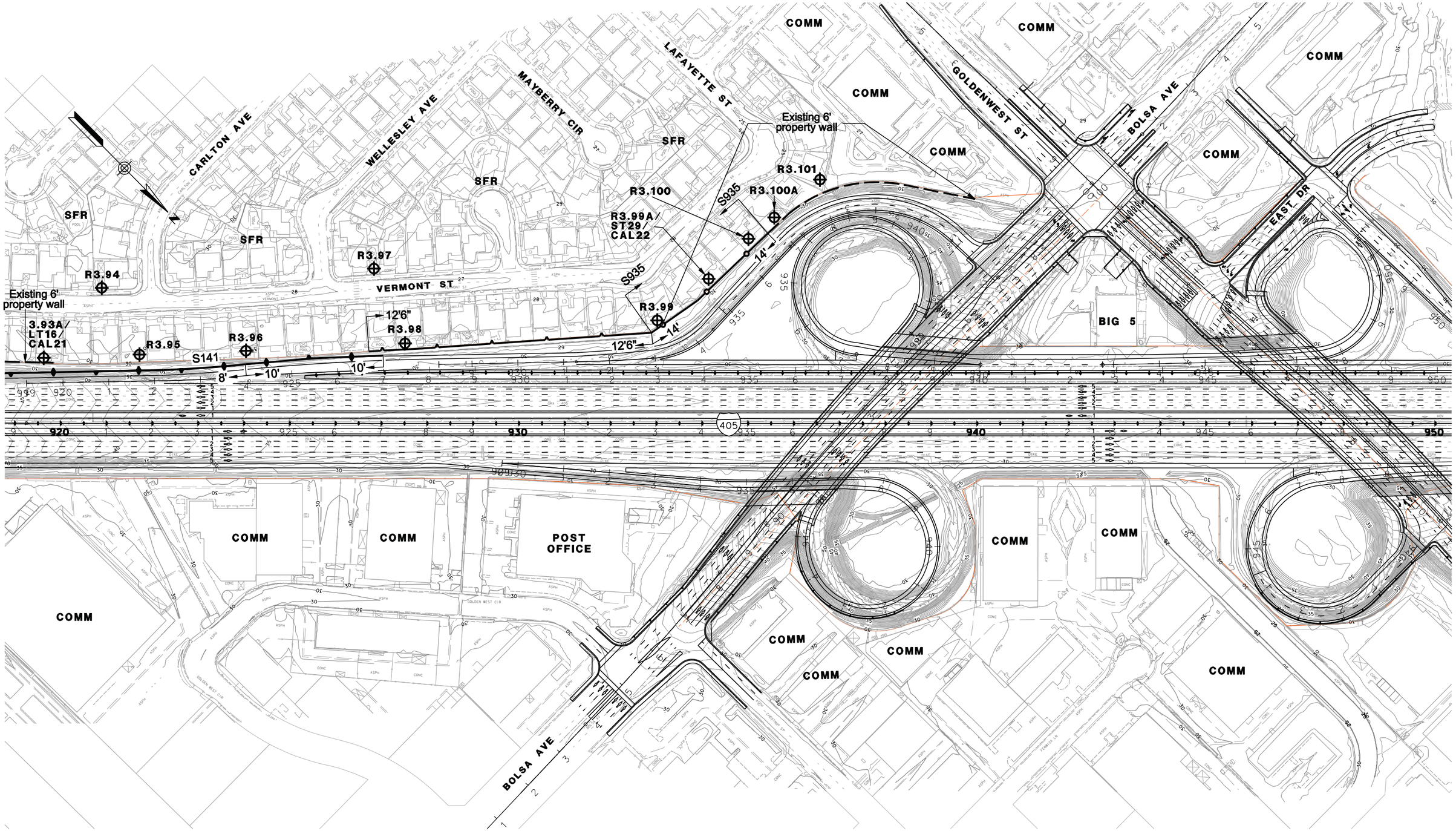
FIGURE 14



LEGEND

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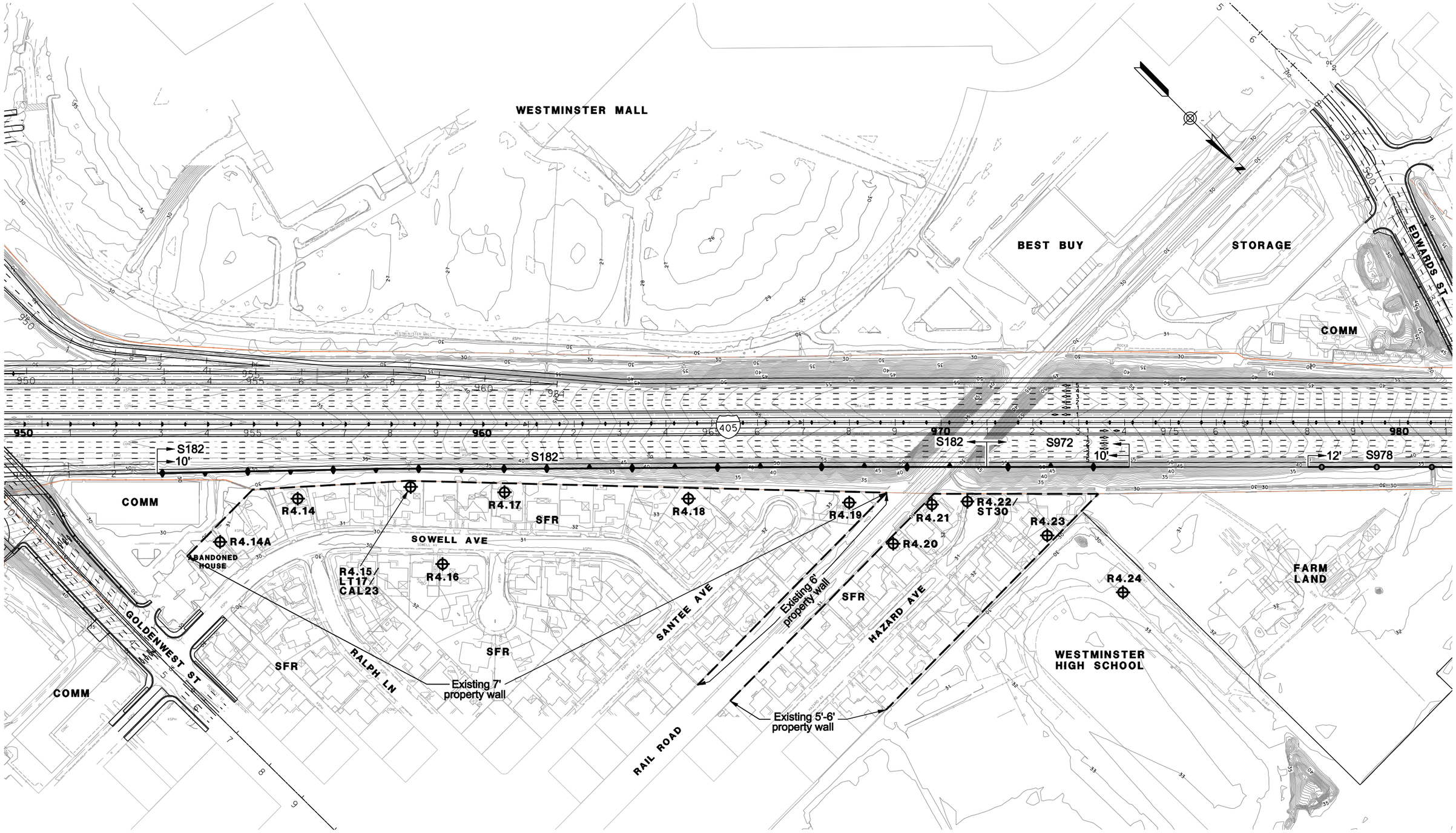
FIGURE 15



LEGEND

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1in : 200ft

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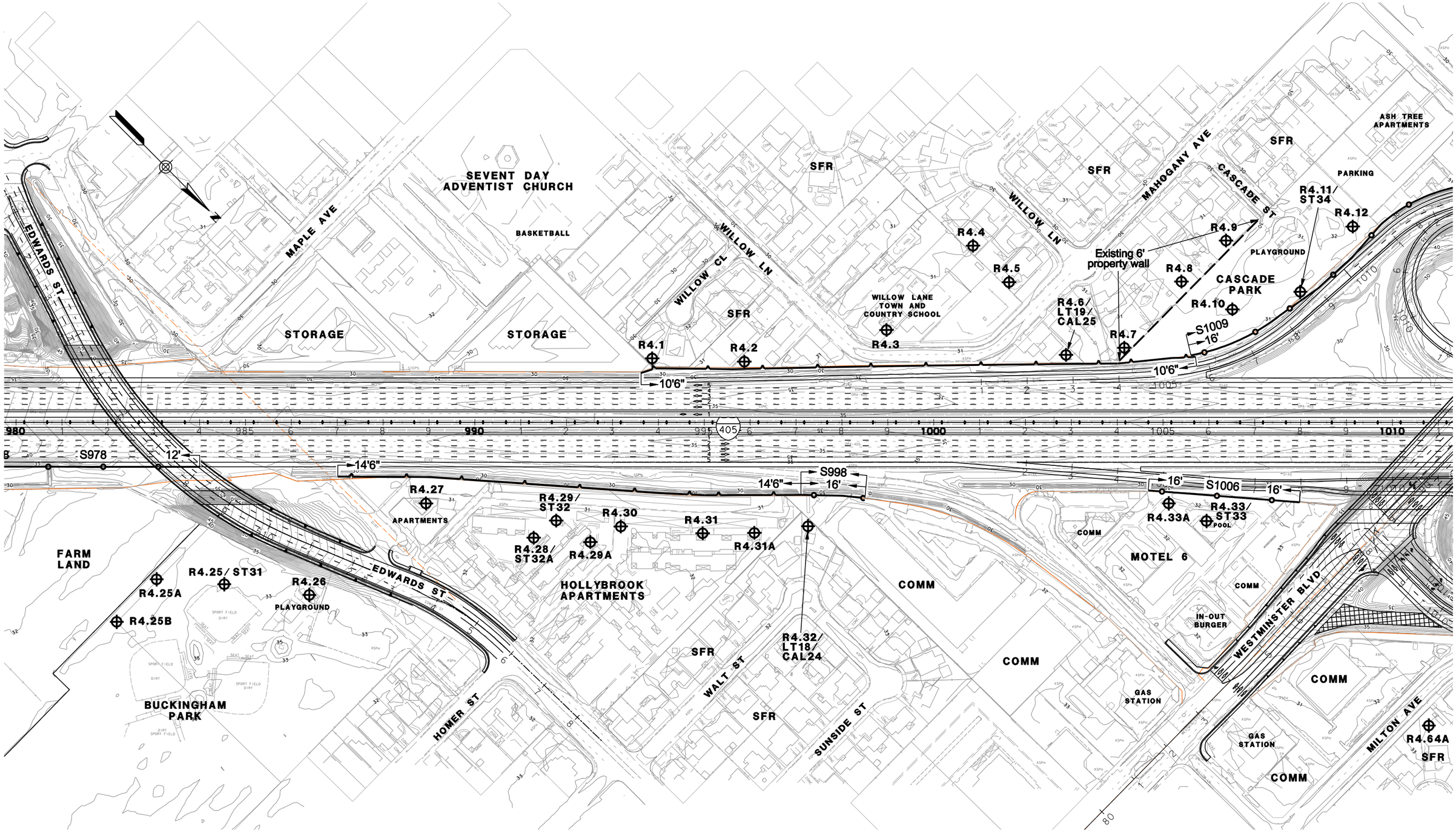
FIGURE 16



LEGEND

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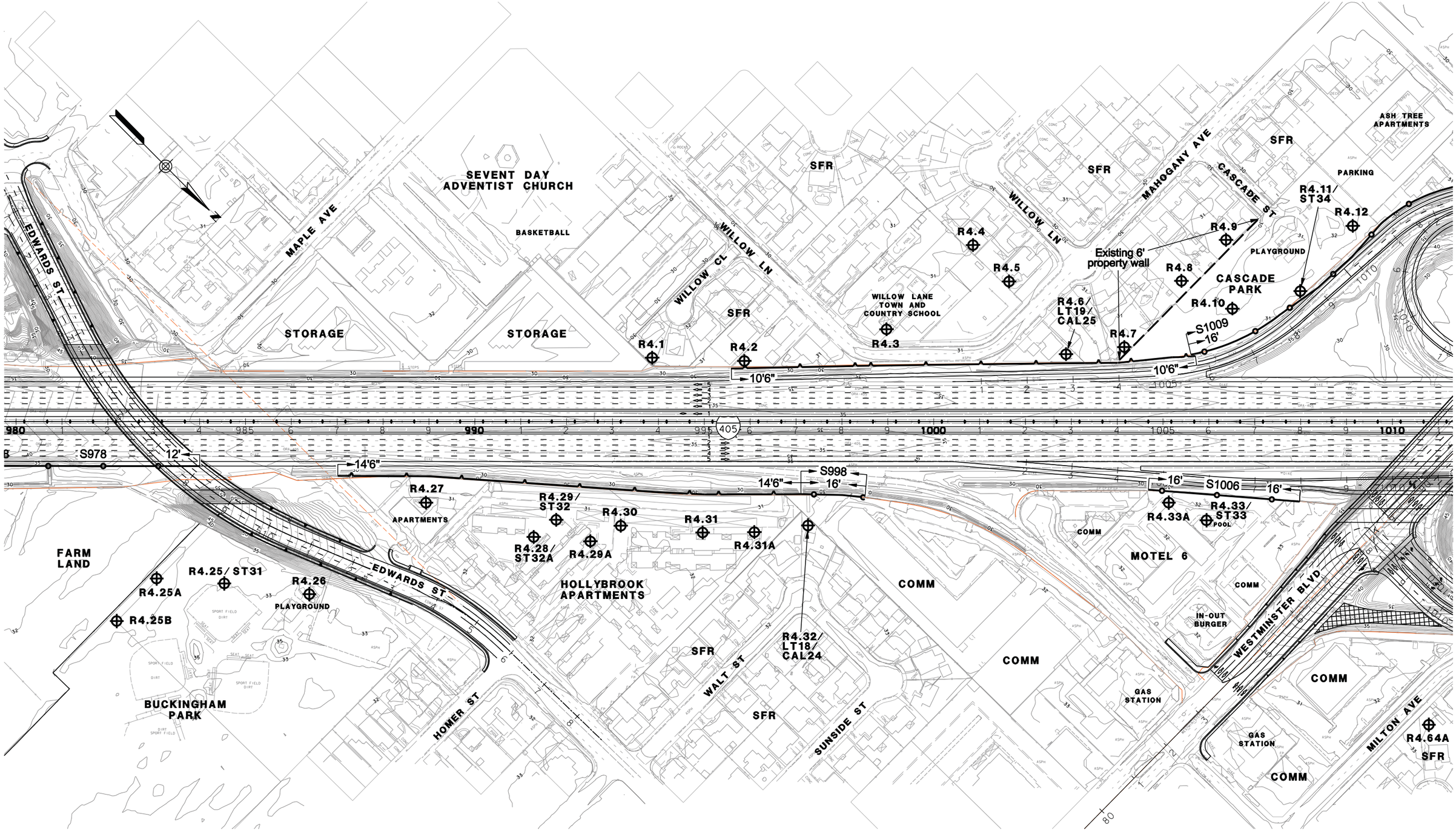
AUGUST 26, 2011

FIGURE 17



LEGEND

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1in : 200ft

0 ft 100ft 200ft 300ft

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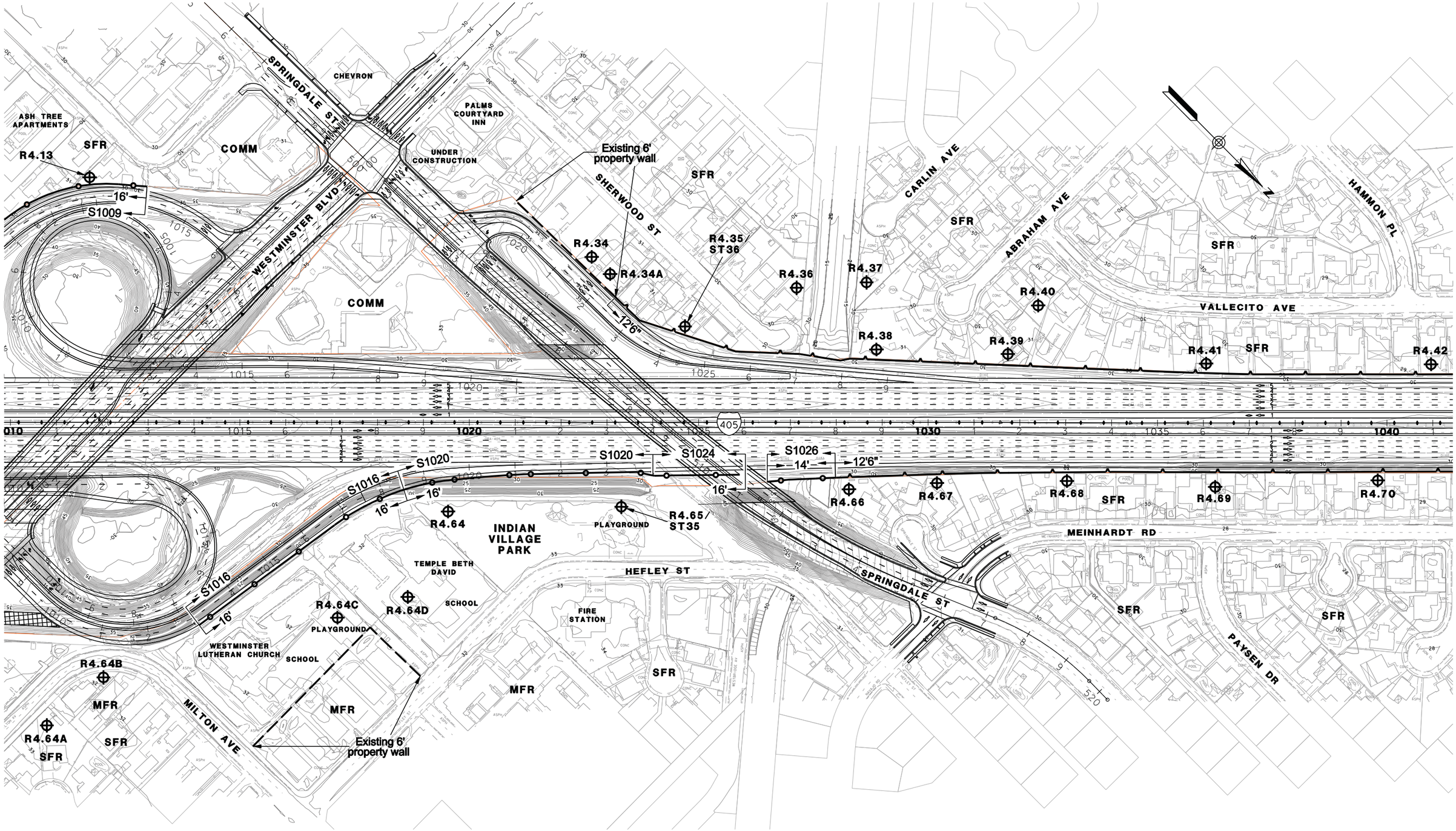
FIGURE 17



LEGEND

- RXX – RECEIVER SITE
- LT – LONGTERM MEASUREMENT
- ST – SHORTTERM MEASUREMENT
- CAL – CALIBRATION SITE
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1in : 200ft

0 ft 100ft 200ft 300ft

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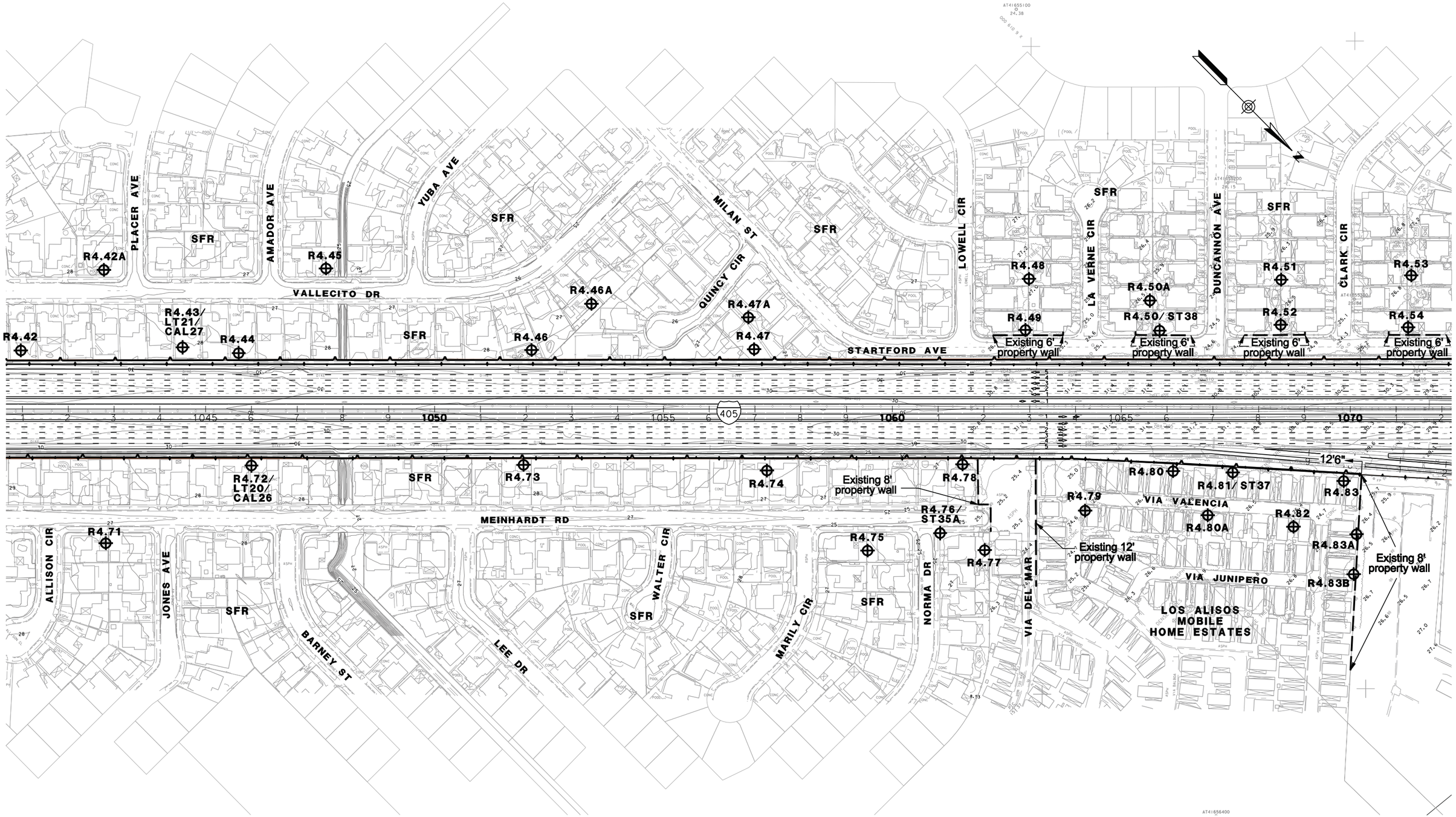
AUGUST 26, 2011

FIGURE 18



LEGEND

- RXX – RECEIVER SITE
- LT – LONGTERM MEASUREMENT
- ST – SHORTTERM MEASUREMENT
- CAL – CALIBRATION SITE
- EXISTING WALL
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- REPLACEMENT IN KIND SOUNDWALL
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- COMM – COMMERCIAL
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1in : 200ft

0 ft 100ft 200ft 300ft

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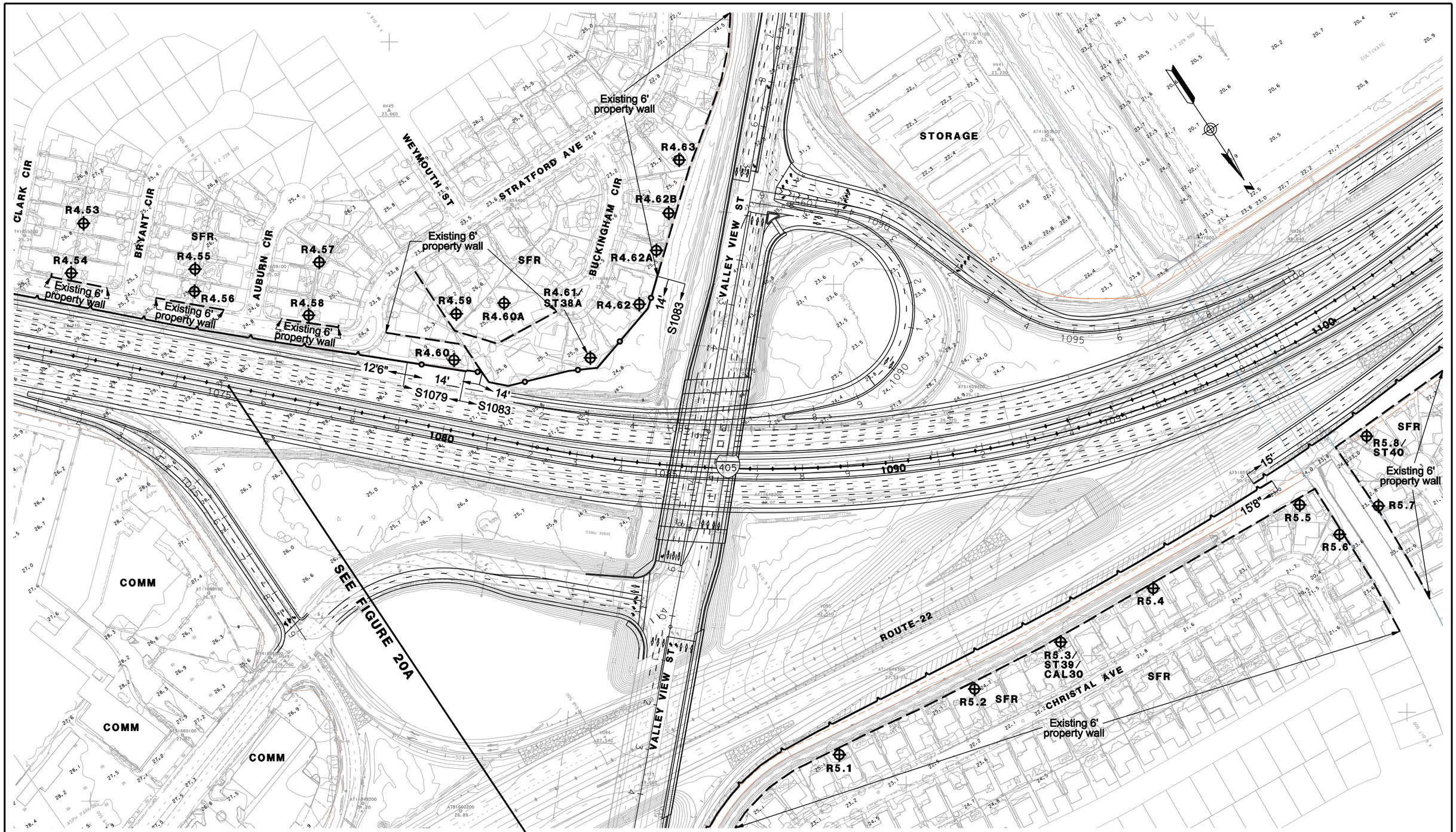
FIGURE 19



LEGEND

- RXX – RECEIVER SITE
- LT – LONGTERM MEASUREMENT
- ST – SHORTTERM MEASUREMENT
- CAL – CALIBRATION SITE
- EXISTING WALL
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- b – BENEFITED RESIDENCE

1in : 200ft

0 ft 100ft 200ft 300ft

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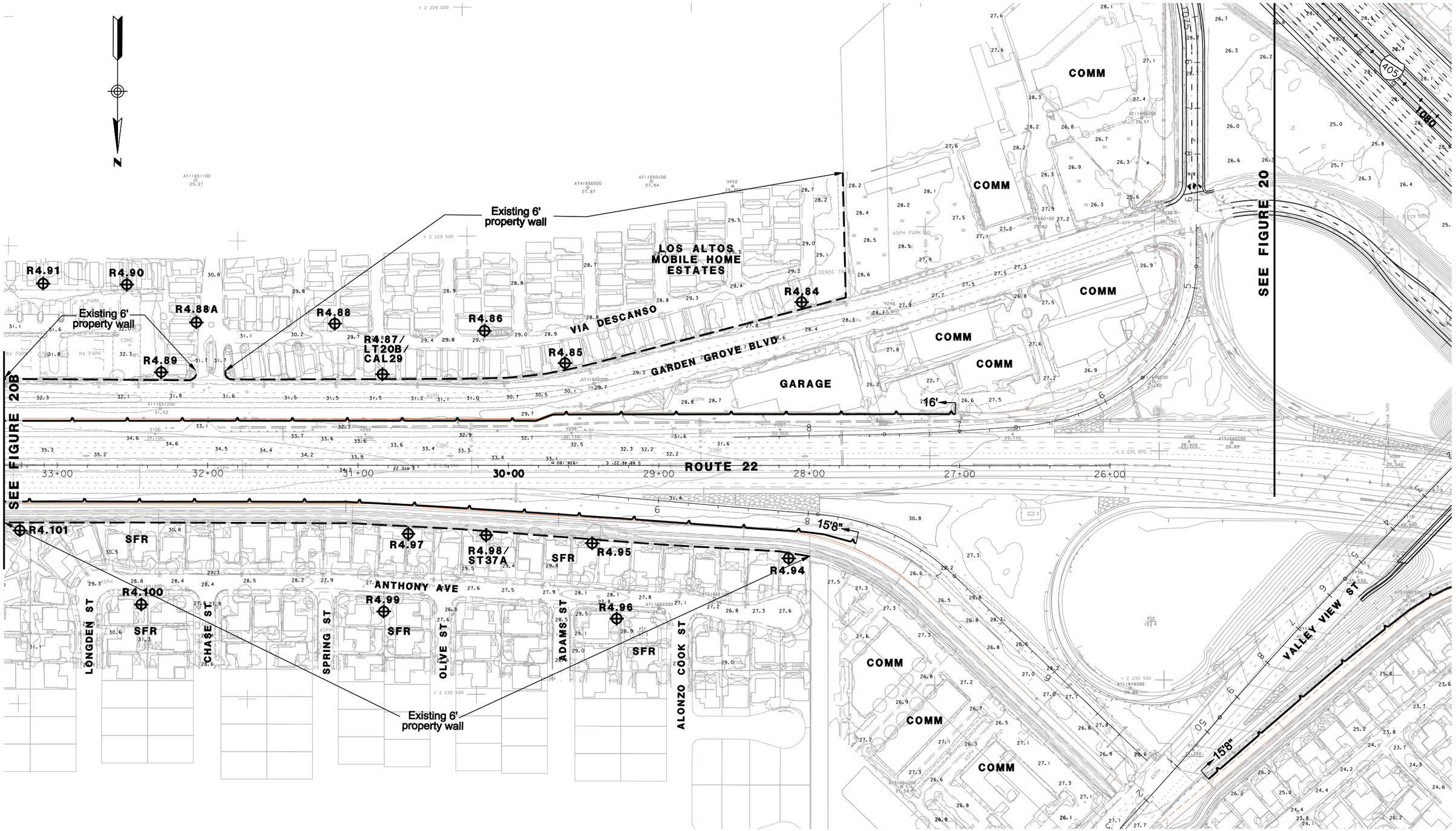
FIGURE 20



LEGEND

- RXX – RECEIVER SITE
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1in : 200ft

0 ft 100ft 200ft 300ft

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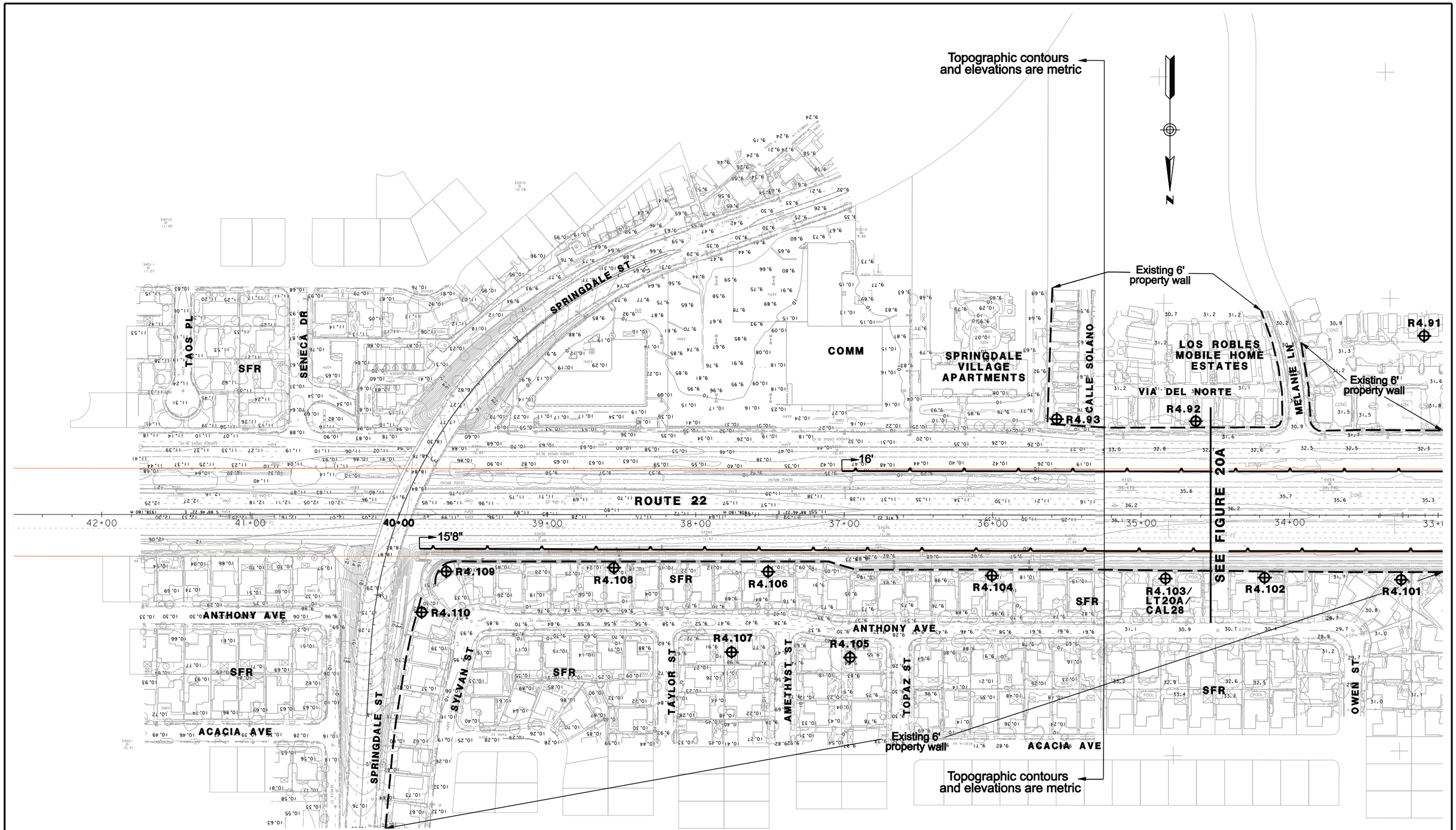
FIGURE 20A



LEGEND

- ⊕RXX – RECEIVER SITE
- ⊕LT – LONGTERM MEASUREMENT
- ⊕ST – SHORTTERM MEASUREMENT
- ⊕CAL – CALIBRATION SITE
- EXISTING WALL
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1in : 200ft

0 ft 100ft 200ft 300ft

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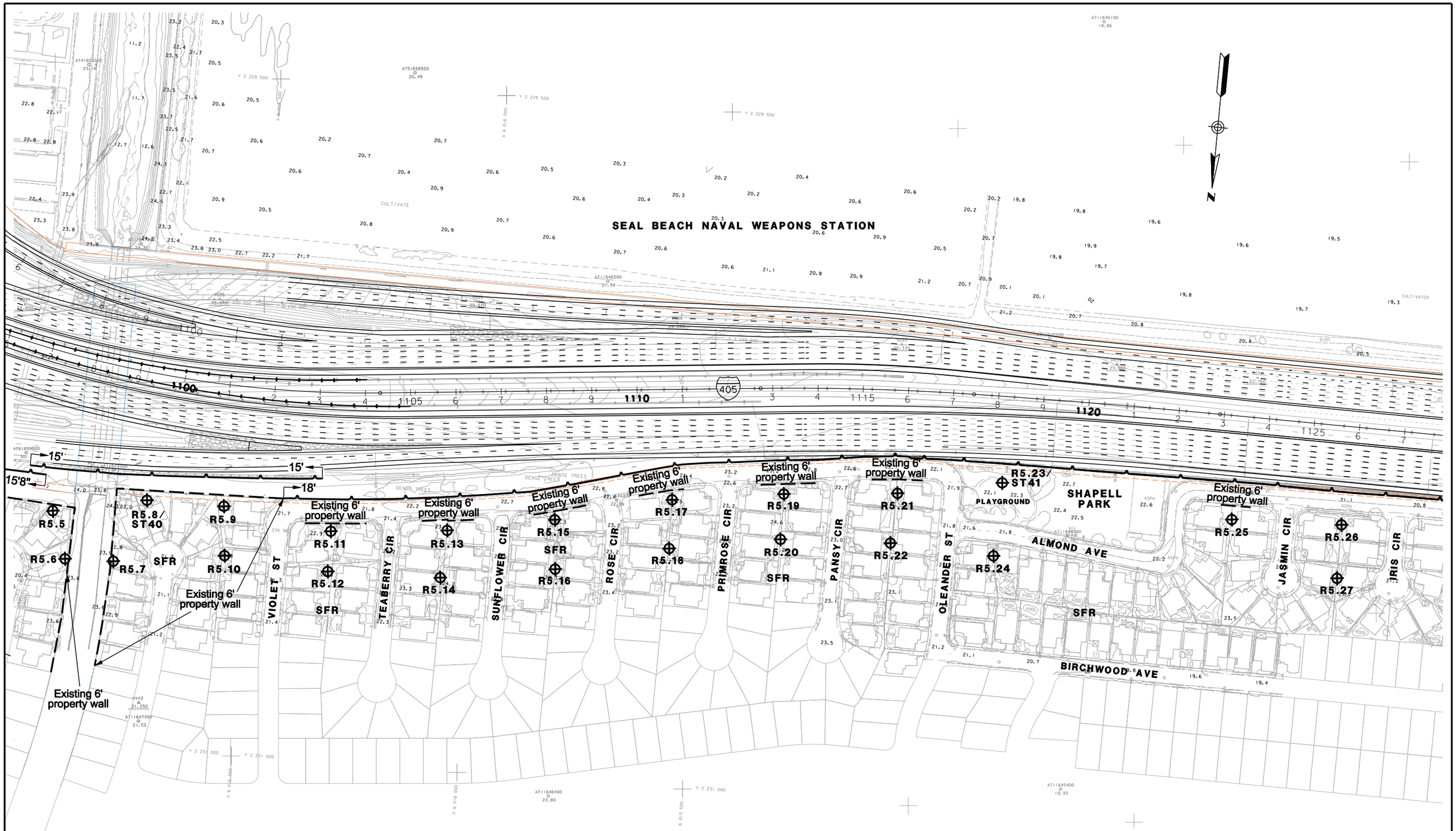
FIGURE 20B



LEGEND

- RXX – RECEIVER SITE
- LT – LONGTERM MEASUREMENT
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- CAL – CALIBRATION SITE
- EXISTING WALL
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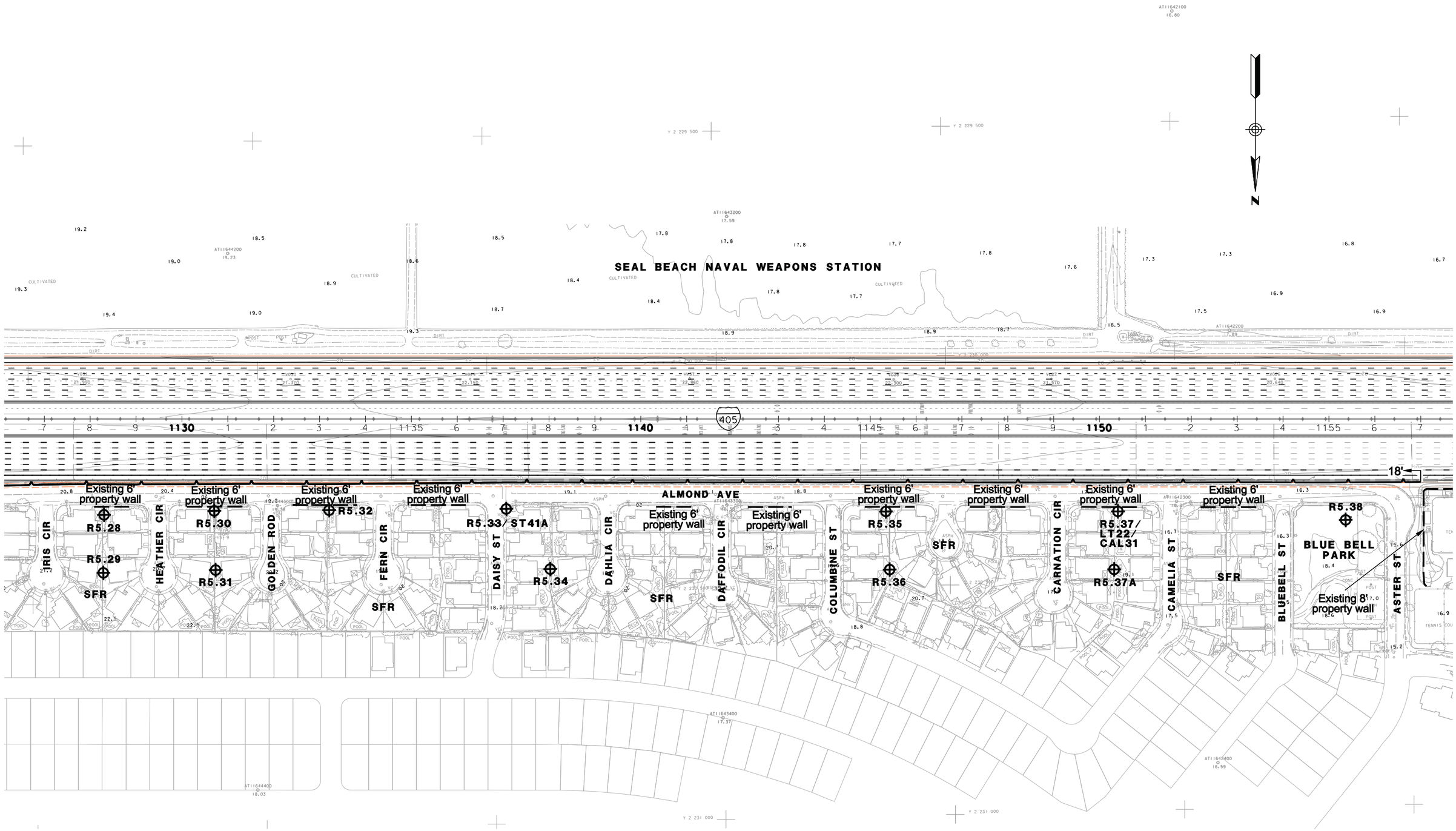
FIGURE 21



LEGEND

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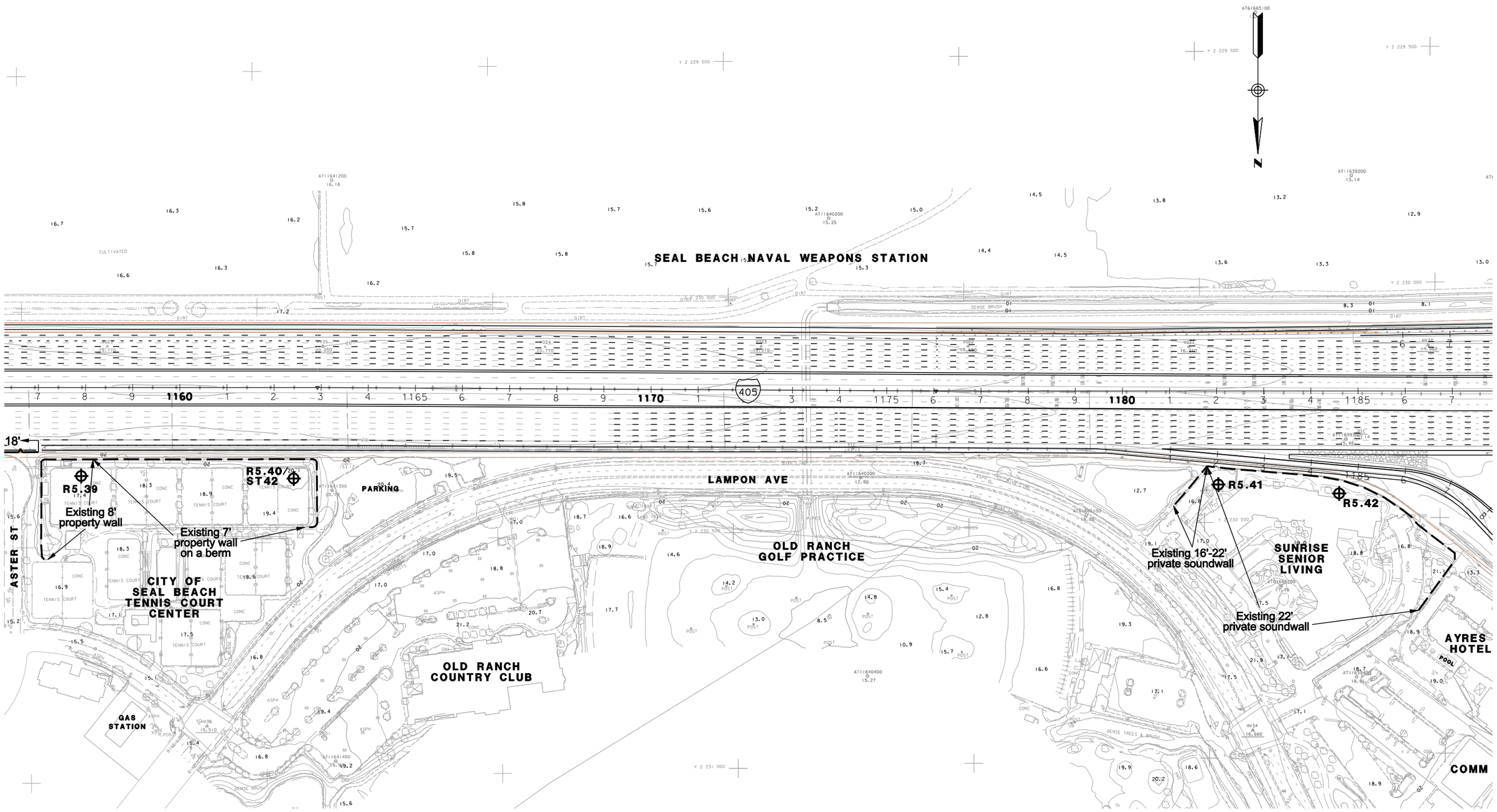
FIGURE 22



LEGEND

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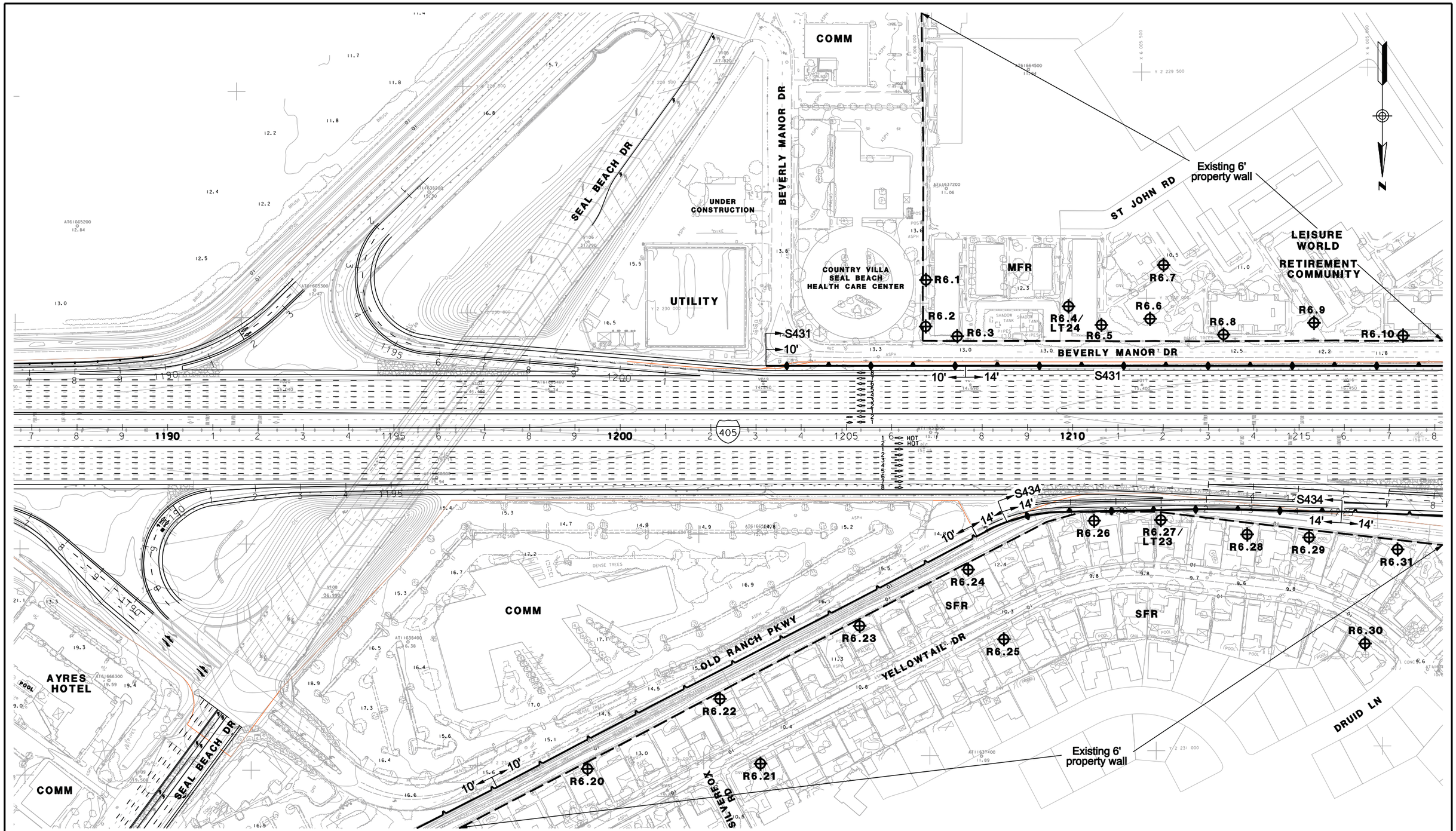
FIGURE 23



LEGEND

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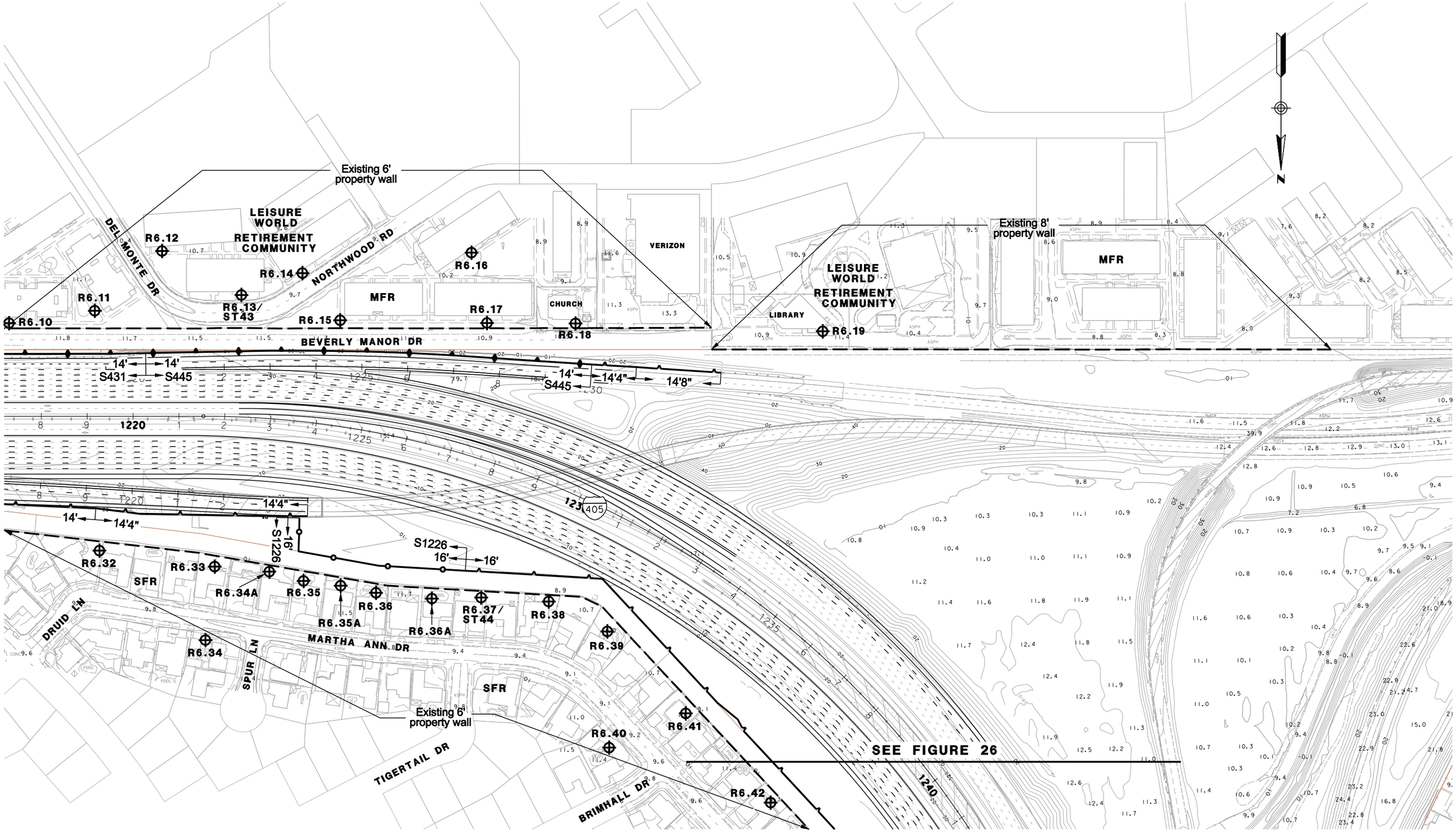
FIGURE 24



LEGEND

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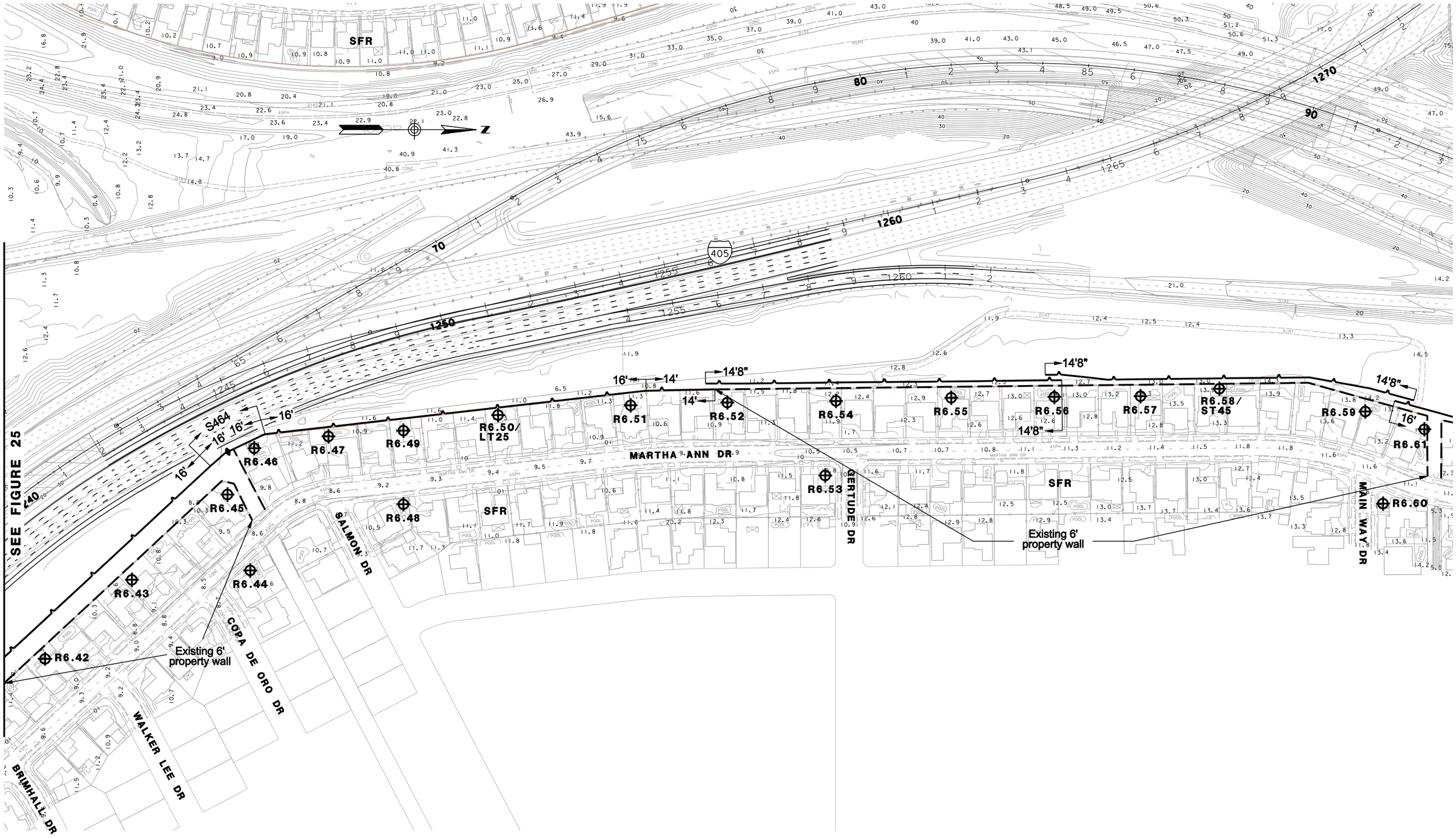
FIGURE 25



LEGEND

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- REPLACEMENT IN KIND SOUNDWALL
- SFR – SINGLE FAMILY RESIDENCE
- MFR – MULTI–FAMILY RESIDENCE
- COMM – COMMERCIAL
- b – BENEFITED RESIDENCE

1in : 200ft

0 ft 100ft 200ft 300ft

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I-405 WIDENING PA/ED PROJECT NADR RECOMMENDED BARRIER HEIGHTS & LOCATIONS ALT1

FEBRUARY 25, 2011

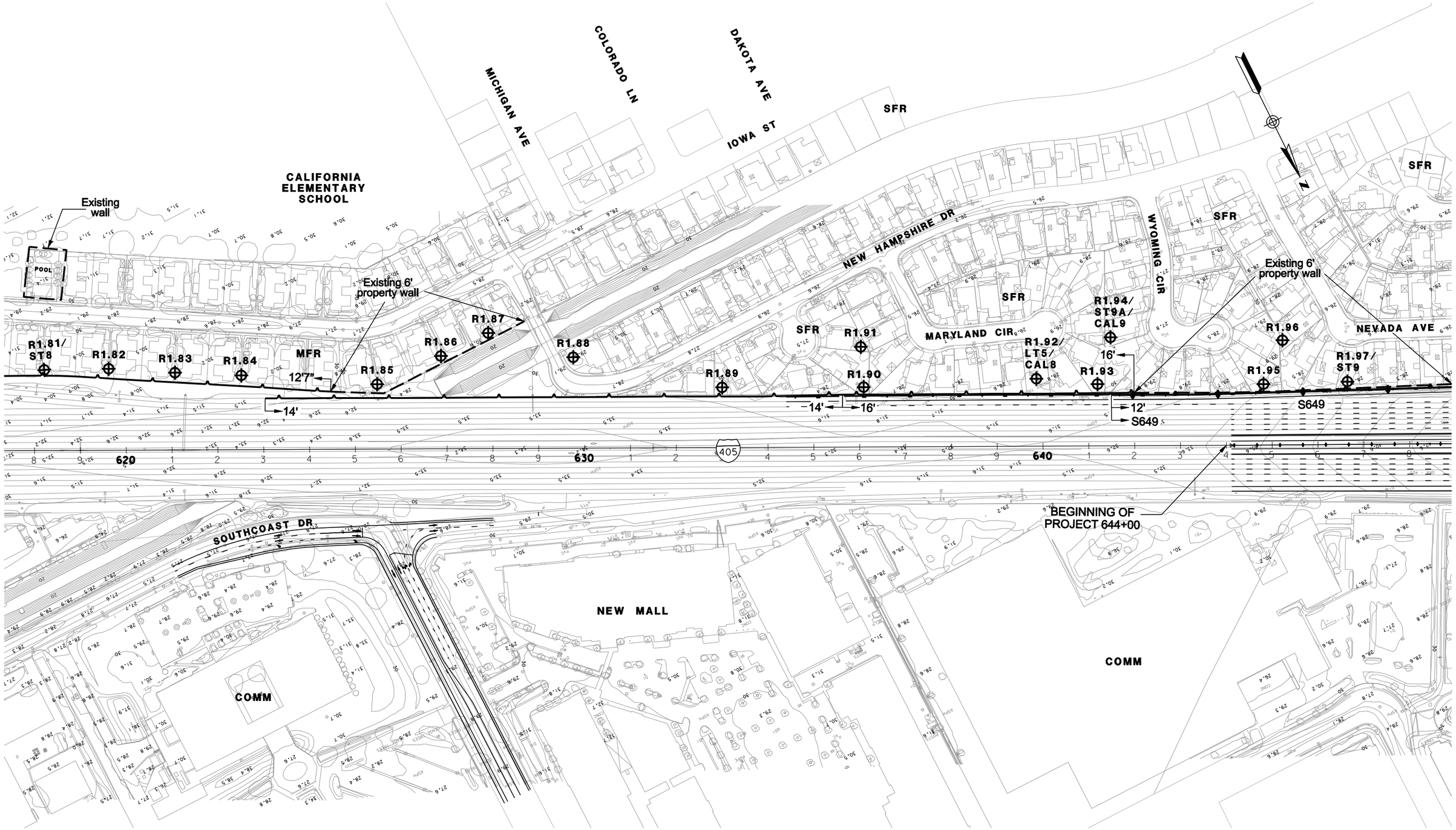
FIGURE 26

APPENDIX A2

Recommended Barrier Heights & Locations

for

Alternative 2



LEGEND

- RXX – RECEIVER SITE
- LT – LONGTERM MEASUREMENT
- ST – SHORTTERM MEASUREMENT
- CAL – CALIBRATION SITE
- EXISTING WALL
- SOUNDWALL
- EXISTING SOUNDWALL
- REPLACEMENT IN KIND SOUNDWALL
- SFR – SINGLE FAMILY RESIDENCE
- MFR – MULTI-FAMILY RESIDENCE
- COMM – COMMERCIAL
- b – BENEFITED RESIDENCE

1in : 200ft

0 ft 100ft 200ft 300ft

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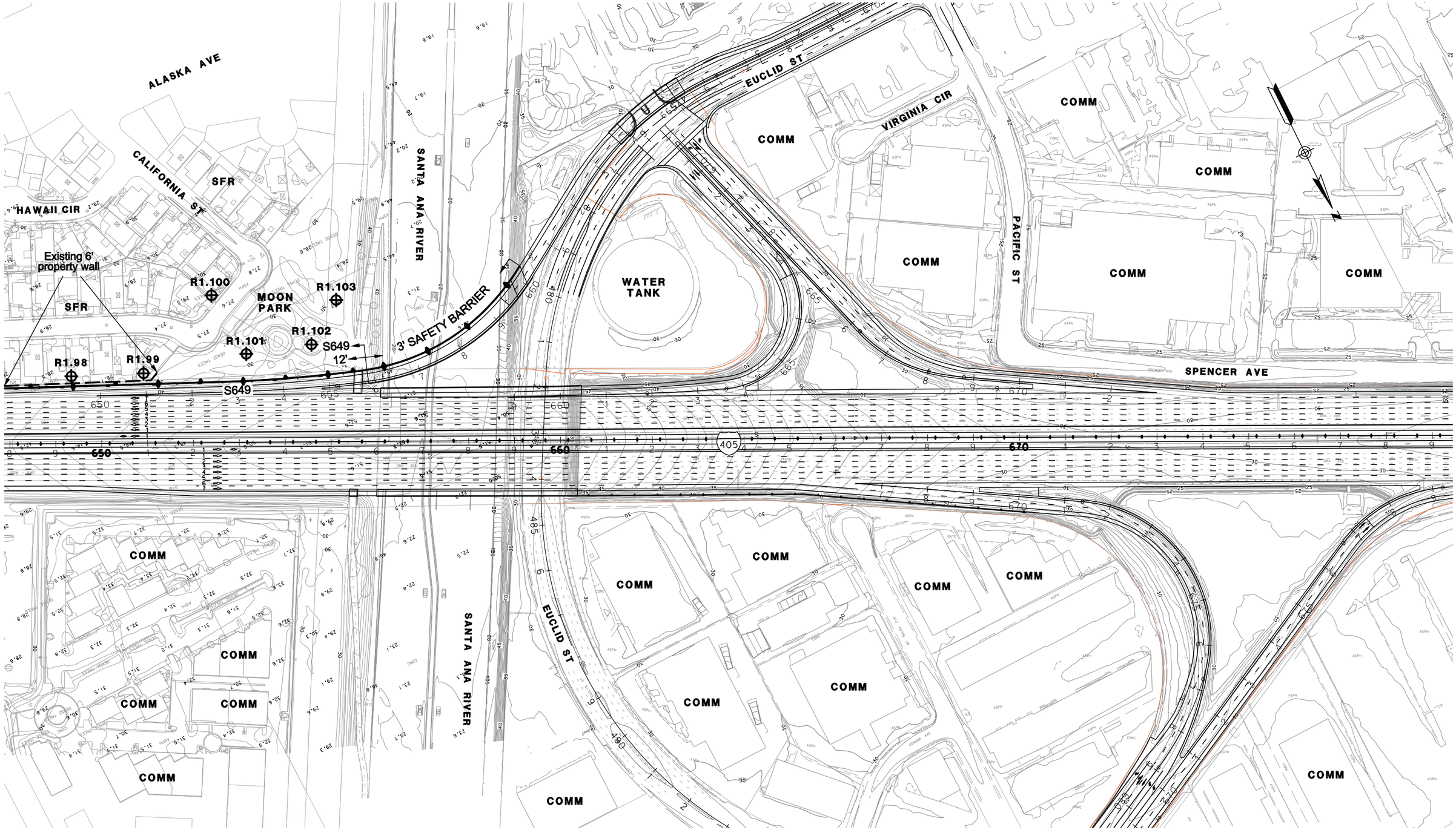
FIGURE 5



LEGEND

- RXX – RECEIVER SITE
- LT – LONGTERM MEASUREMENT
- ST – SHORTTERM MEASUREMENT
- CAL – CALIBRATION SITE
- EXISTING WALL
- SOUNDWALL
- EXISTING SOUNDWALL
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0 ft 100ft 200ft 300ft

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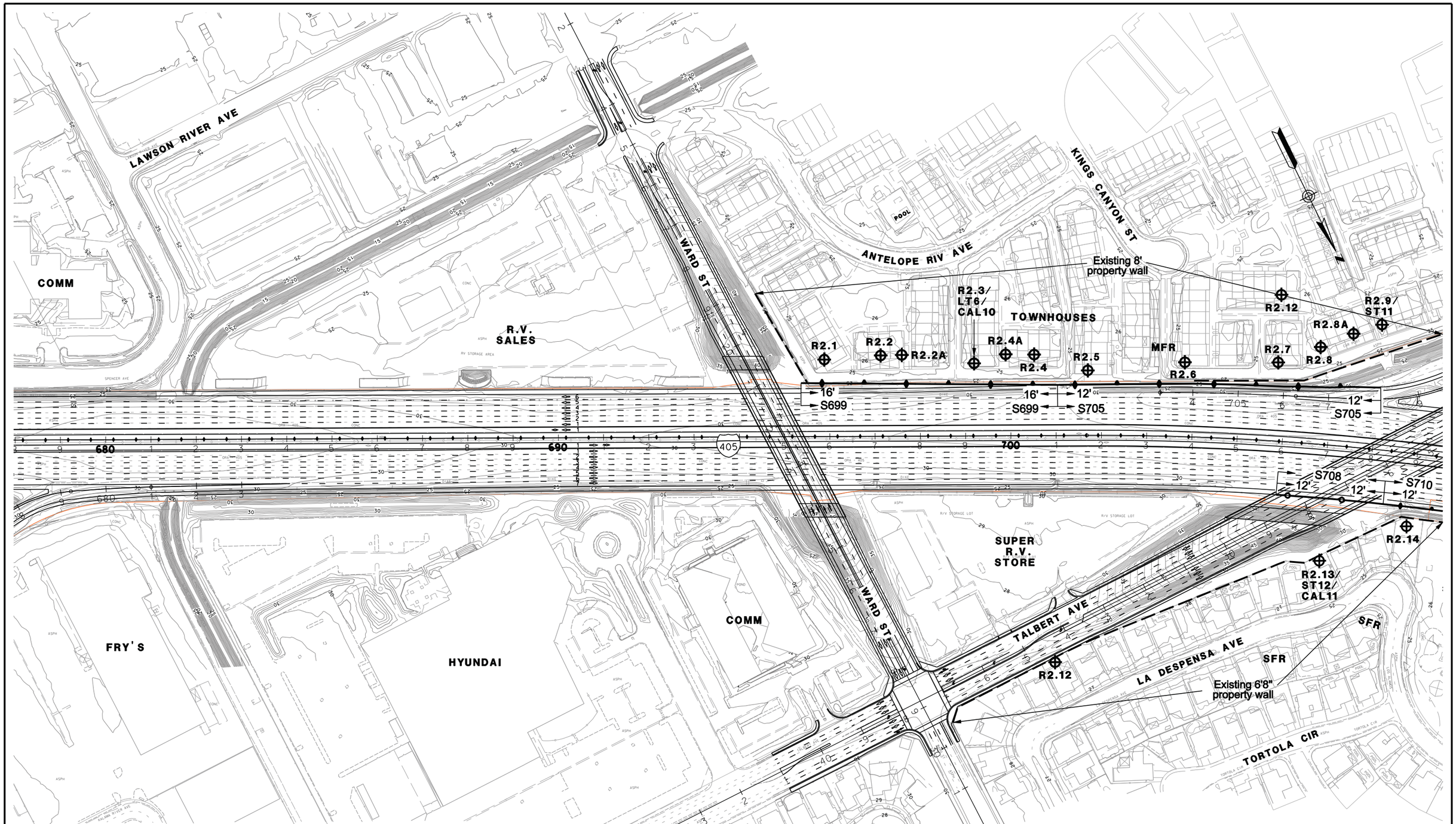
FIGURE 6



LEGEND

- RXX – RECEIVER SITE
- LT – LONGTERM MEASUREMENT
- ST – SHORTTERM MEASUREMENT
- CAL – CALIBRATION SITE
- EXISTING WALL
- SOUNDWALL
- EXISTING SOUNDWALL
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1in : 200ft

0 ft 100ft 200ft 300ft

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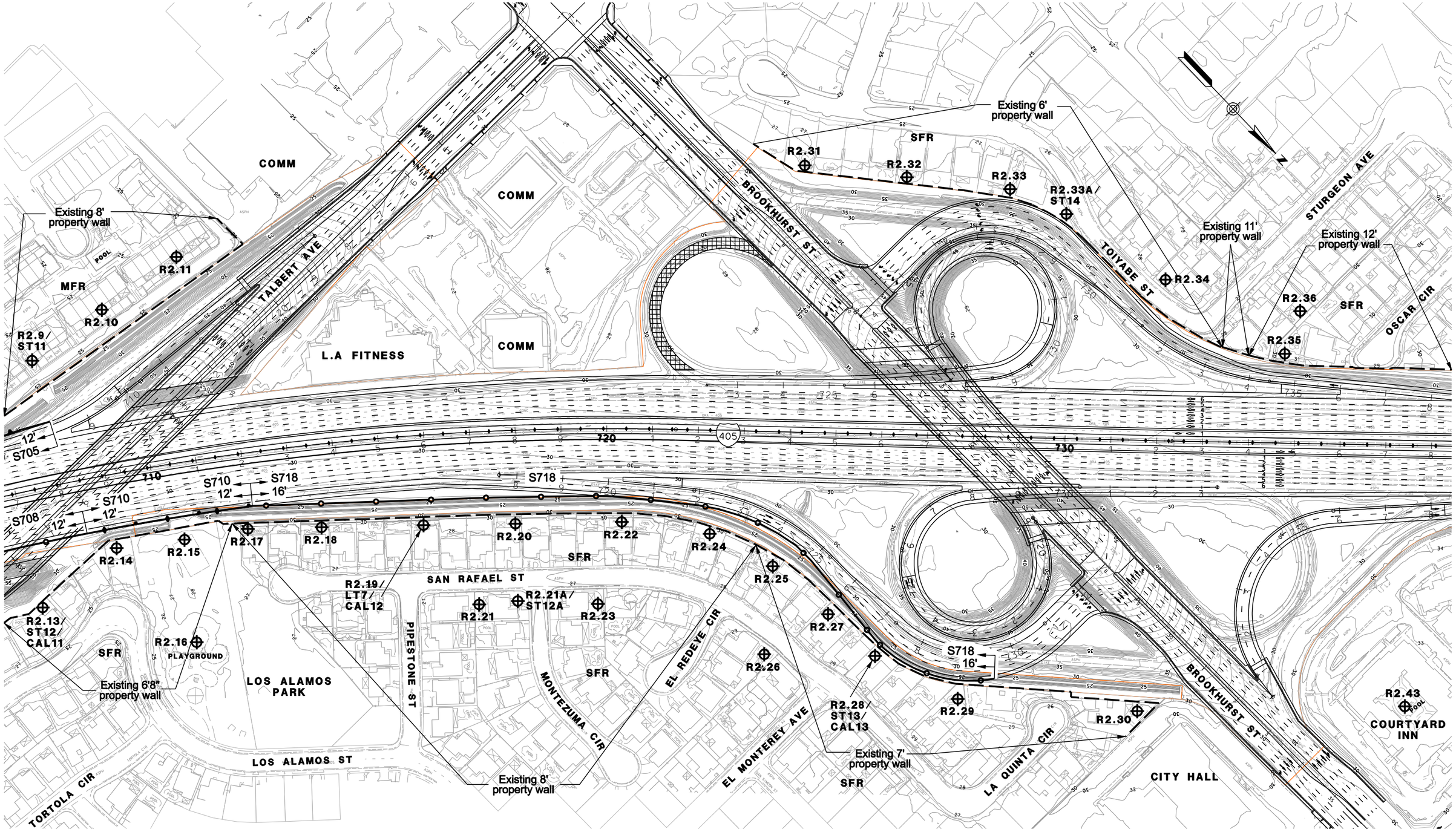
FIGURE 7



LEGEND

- RXX – RECEIVER SITE
- LT – LONGTERM MEASUREMENT
- ST – SHORTTERM MEASUREMENT
- CAL – CALIBRATION SITE
- EXISTING WALL
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- EXISTING SOUNDWALL
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1in : 200ft

0 ft 100ft 200ft 300ft

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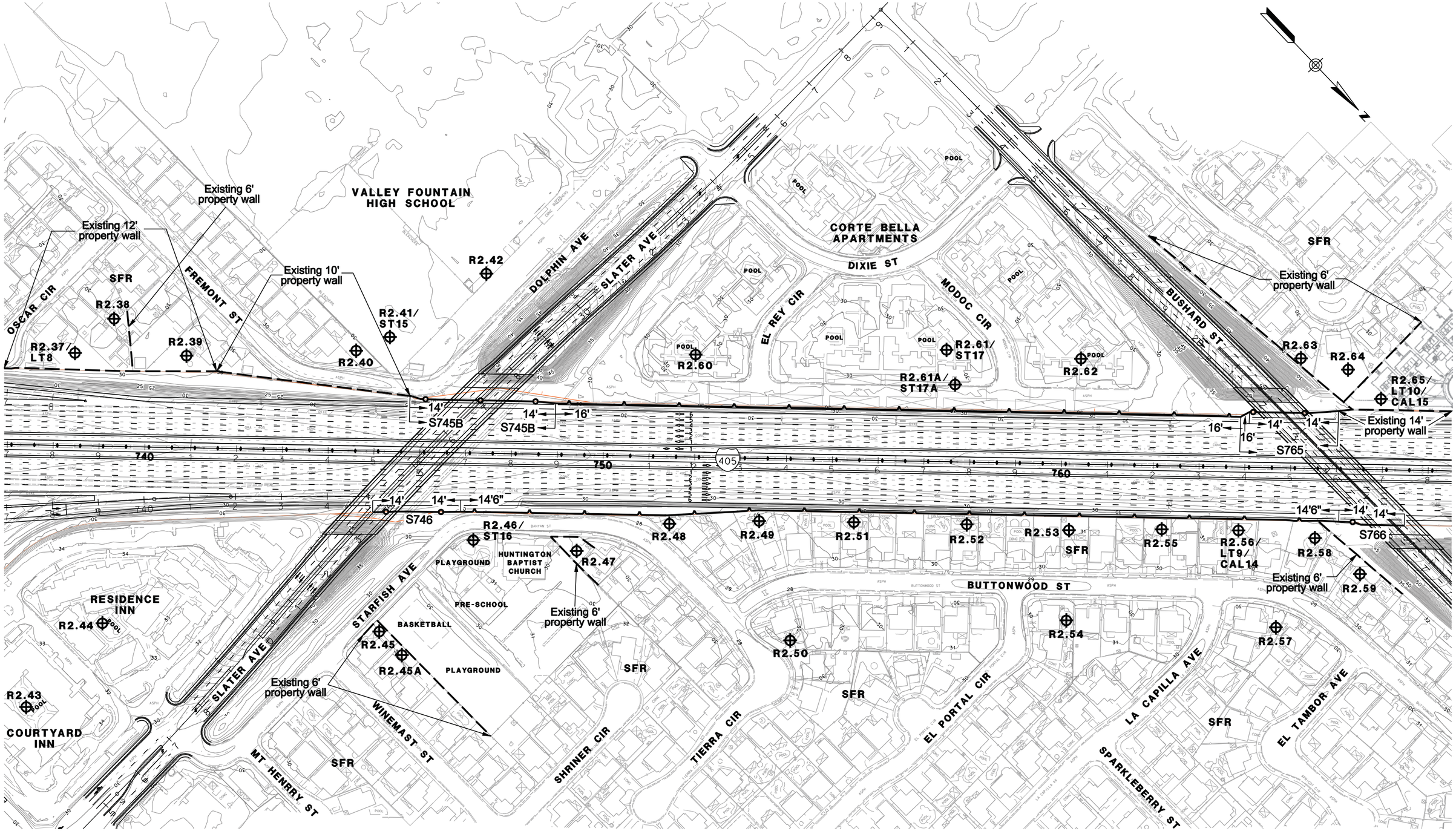
FIGURE 8



LEGEND

- RXX – RECEIVER SITE
- LT – LONGTERM MEASUREMENT
- ST – SHORTTERM MEASUREMENT
- CAL – CALIBRATION SITE
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1in : 200ft

0 ft 100ft 200ft 300ft

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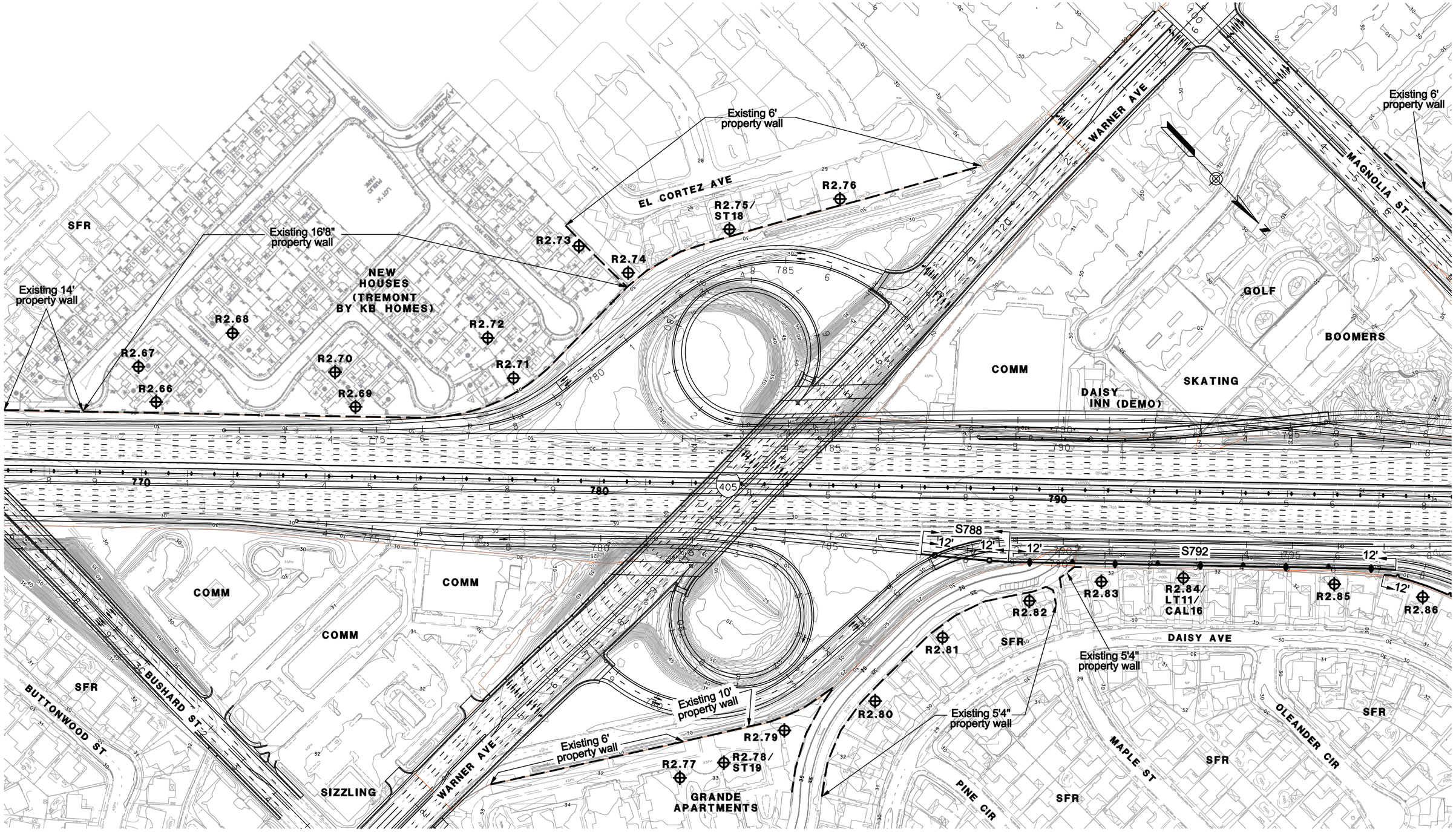
FIGURE 9



LEGEND

- RXX – RECEIVER SITE
- LT – LONGTERM MEASUREMENT
- ST – SHORTTERM MEASUREMENT
- CAL – CALIBRATION SITE
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0 ft 100ft 200ft 300ft

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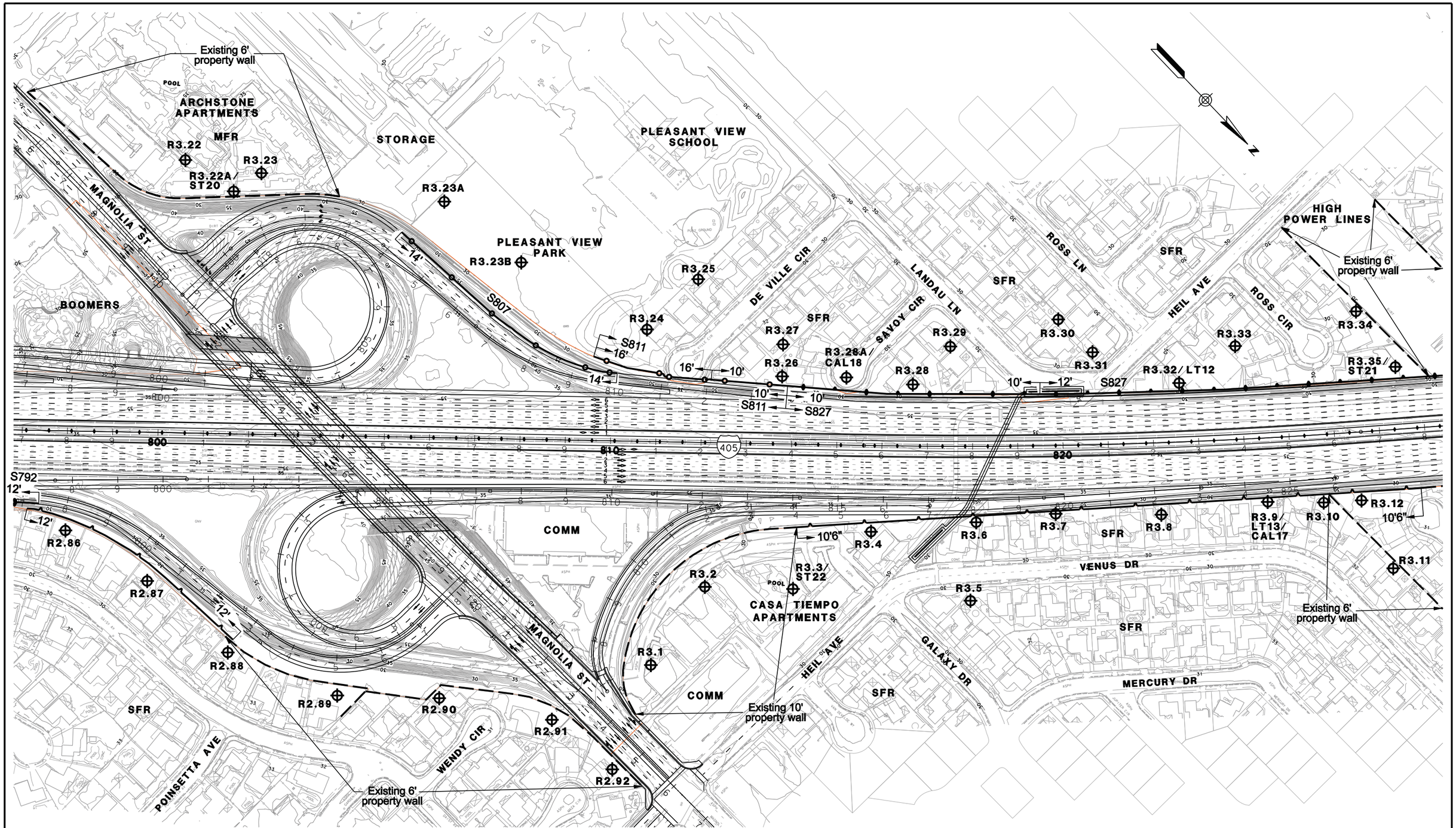
FIGURE 10



LEGEND

- RXX – RECEIVER SITE
- LT – LONGTERM MEASUREMENT
- ST – SHORTTERM MEASUREMENT
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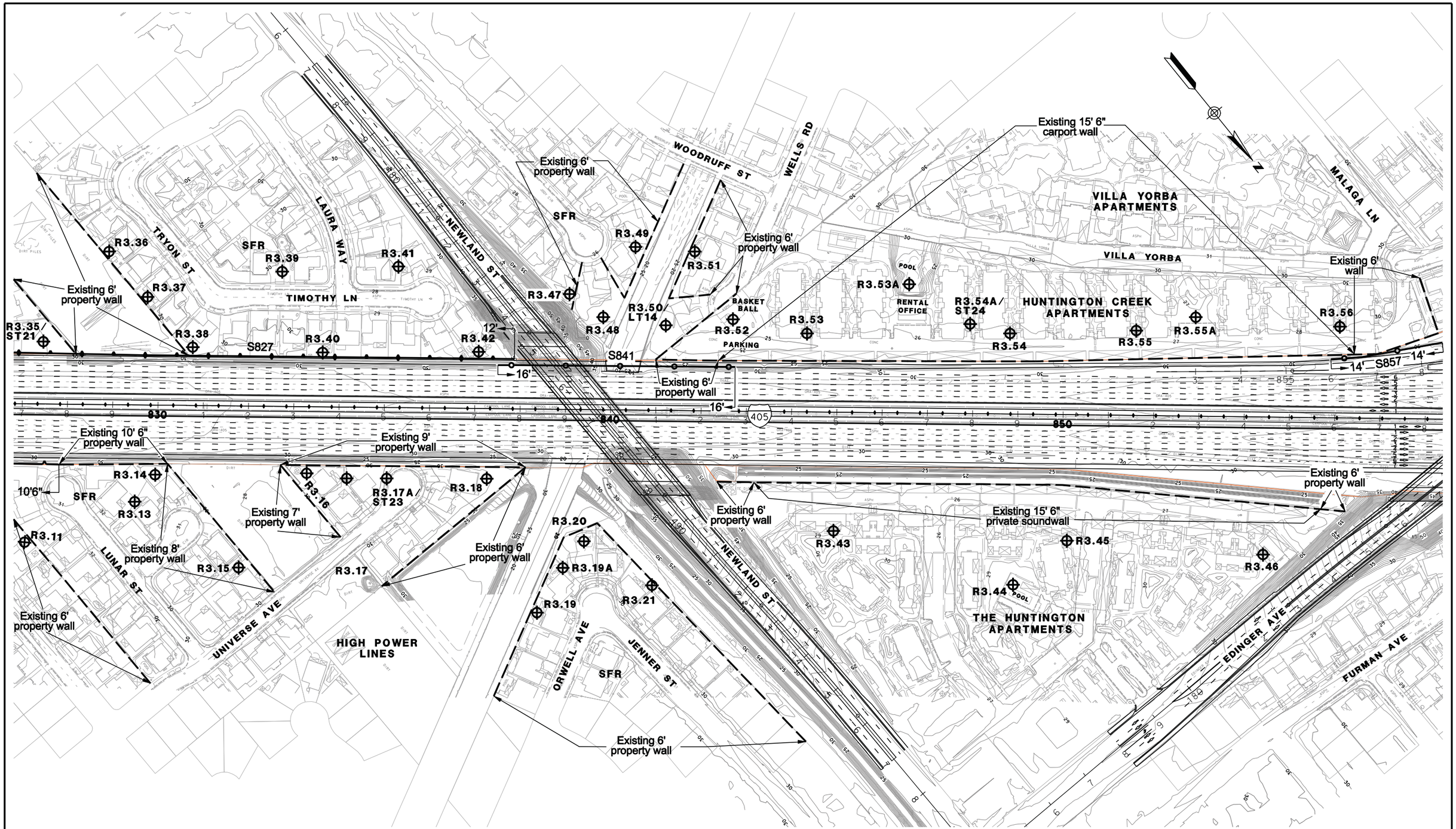
FIGURE 11



LEGEND

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- LT – LONGTERM MEASUREMENT
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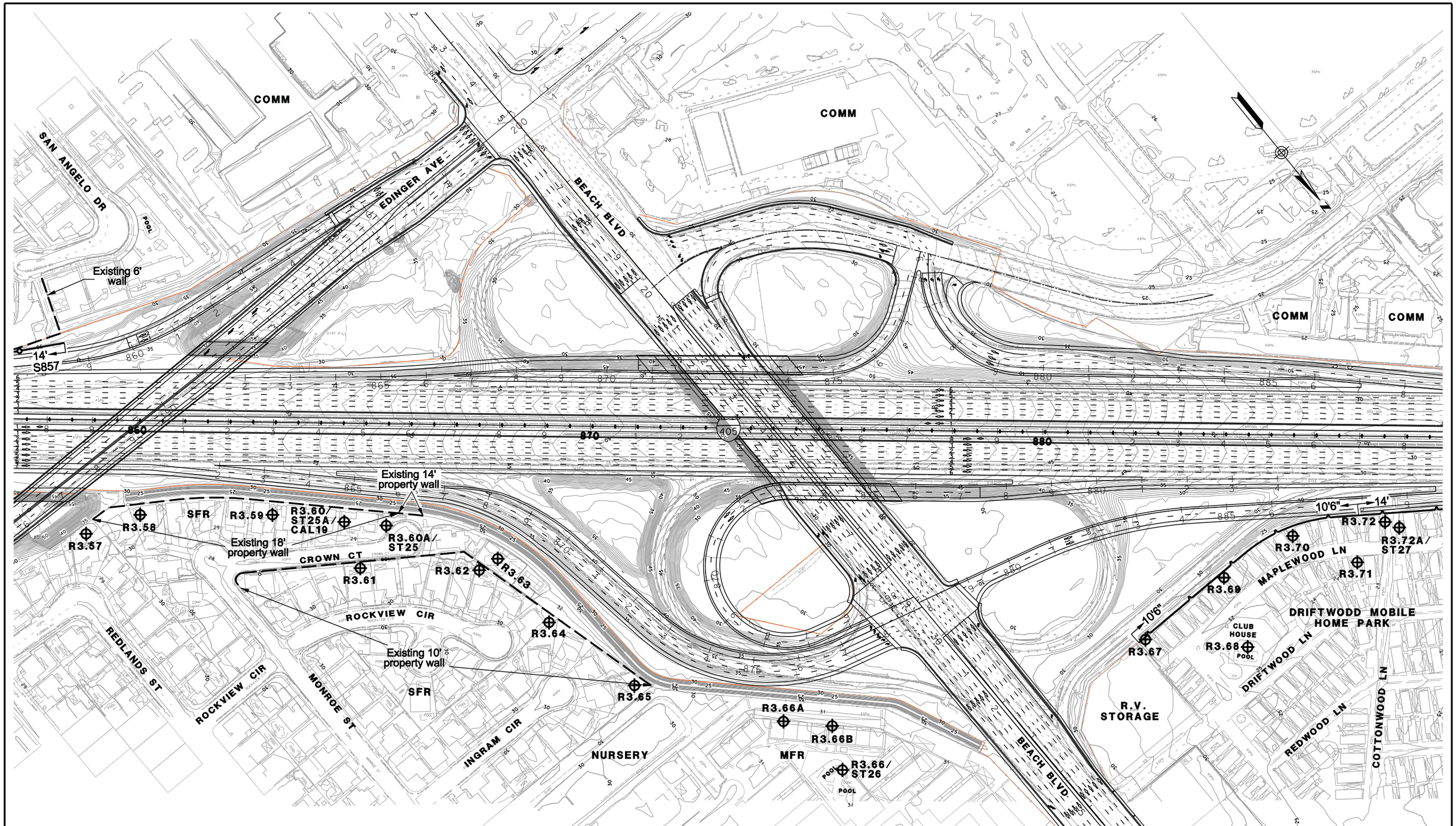
FIGURE 12



LEGEND

- RXX – RECEIVER SITE
- LT – LONGTERM MEASUREMENT
- ST – SHORTTERM MEASUREMENT
- CAL – CALIBRATION SITE
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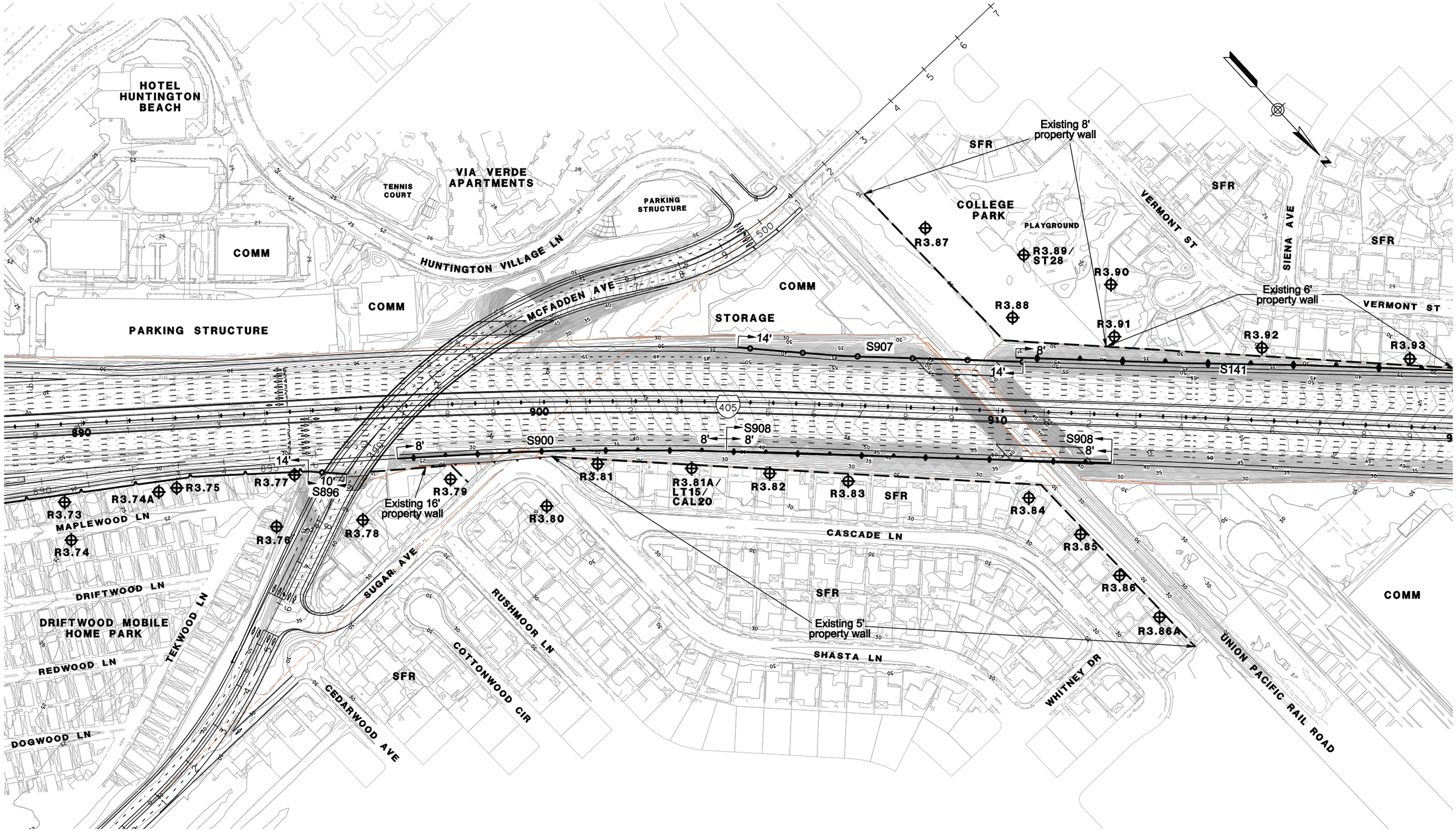
FIGURE 13



LEGEND

- RXX – RECEIVER SITE
- LT – LONGTERM MEASUREMENT
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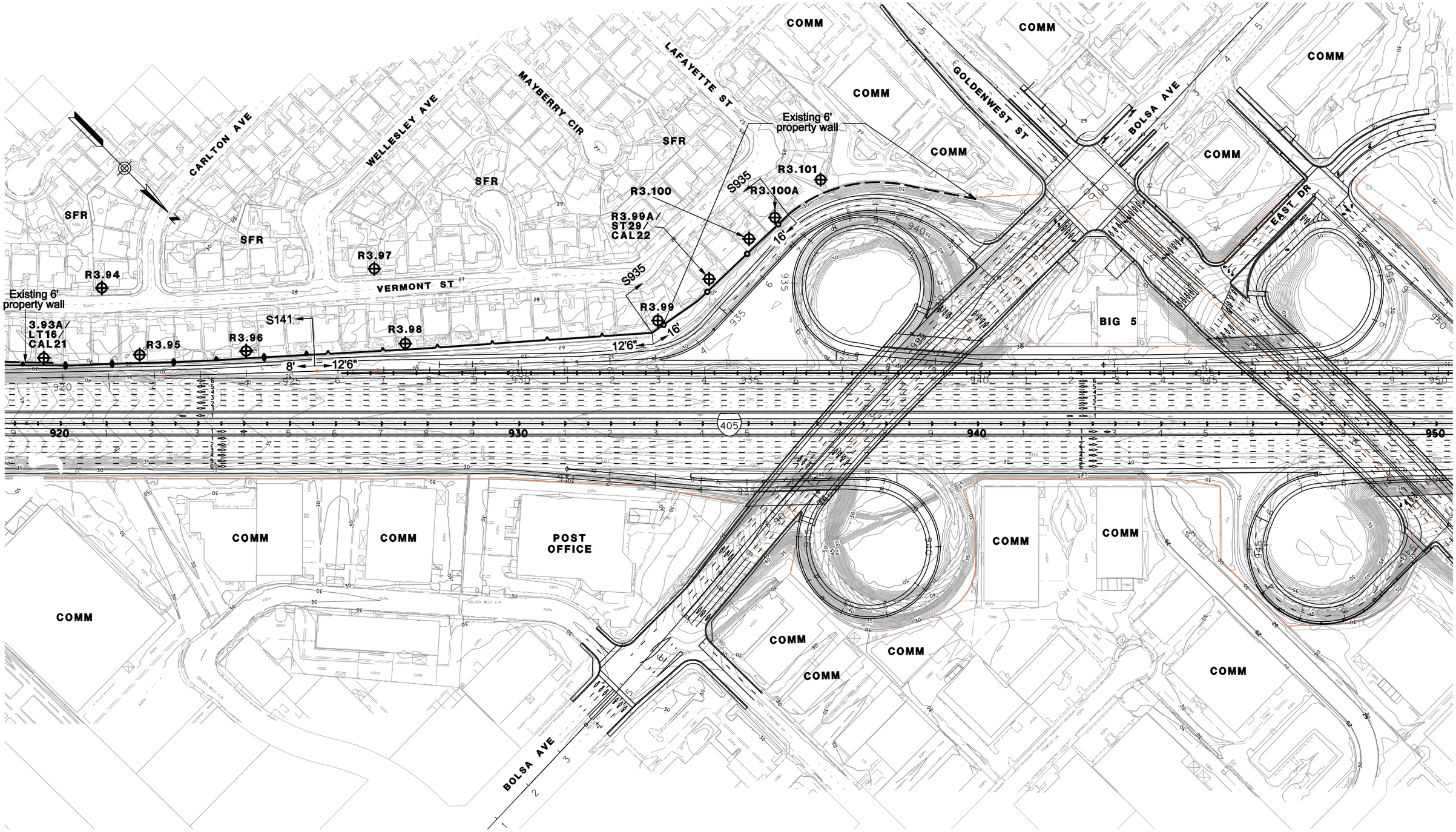
FIGURE 14



LEGEND

- RXX – RECEIVER SITE
- LT – LONGTERM MEASUREMENT
- ST – SHORTTERM MEASUREMENT
- CAL – CALIBRATION SITE
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1in : 200ft

0 ft 100ft 200ft 300ft

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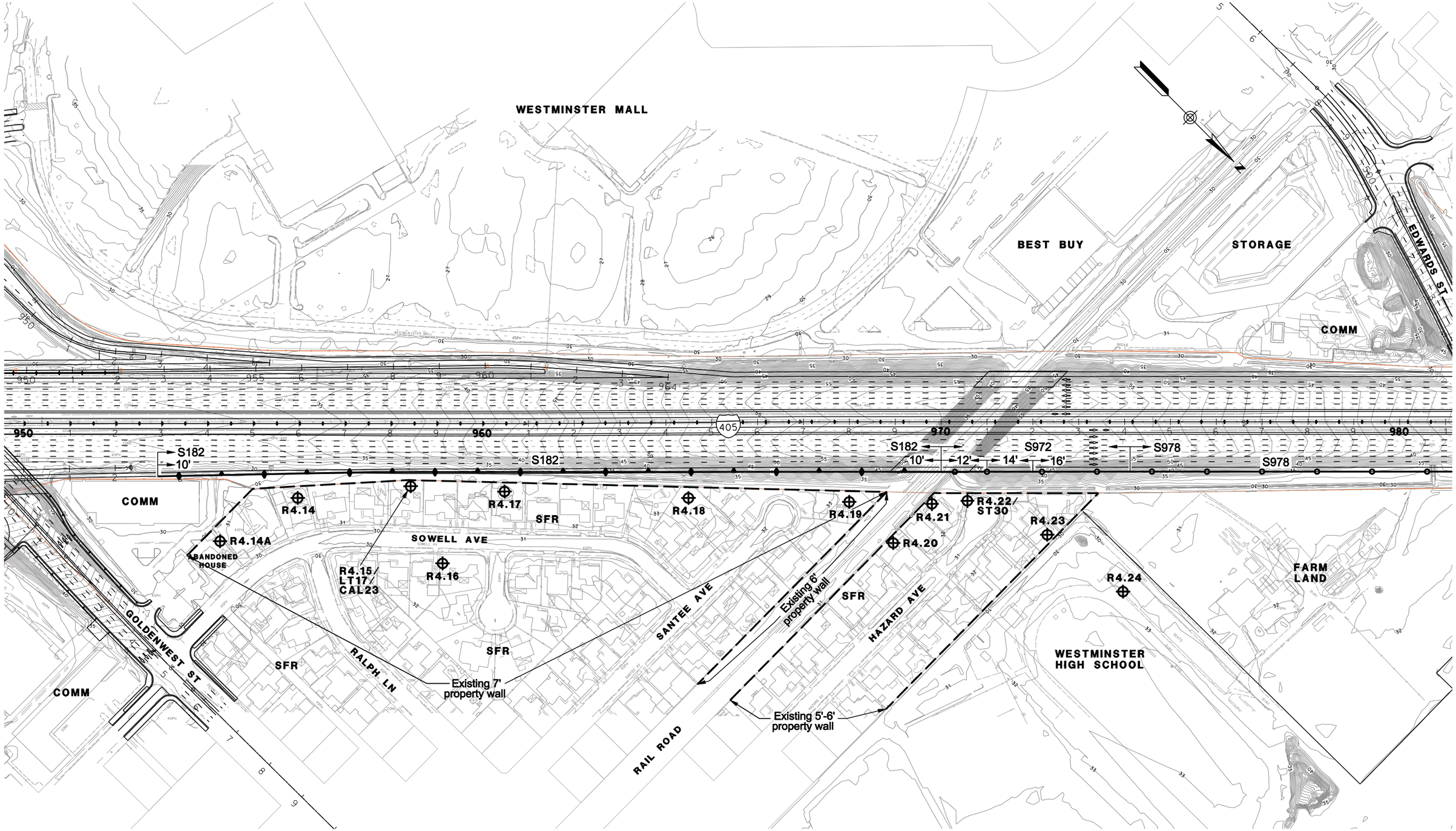
FIGURE 15



LEGEND

- RXX – RECEIVER SITE
- LT – LONGTERM MEASUREMENT
- ST – SHORTTERM MEASUREMENT
- CAL – CALIBRATION SITE
- EXISTING WALL
- SOUNDWALL
- EXISTING SOUNDWALL
- REPLACEMENT IN KIND SOUNDWALL
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- COMM – COMMERCIAL
- b – BENEFITED RESIDENCE

1in : 200ft

0 ft 100ft 200ft 300ft

PARSONS
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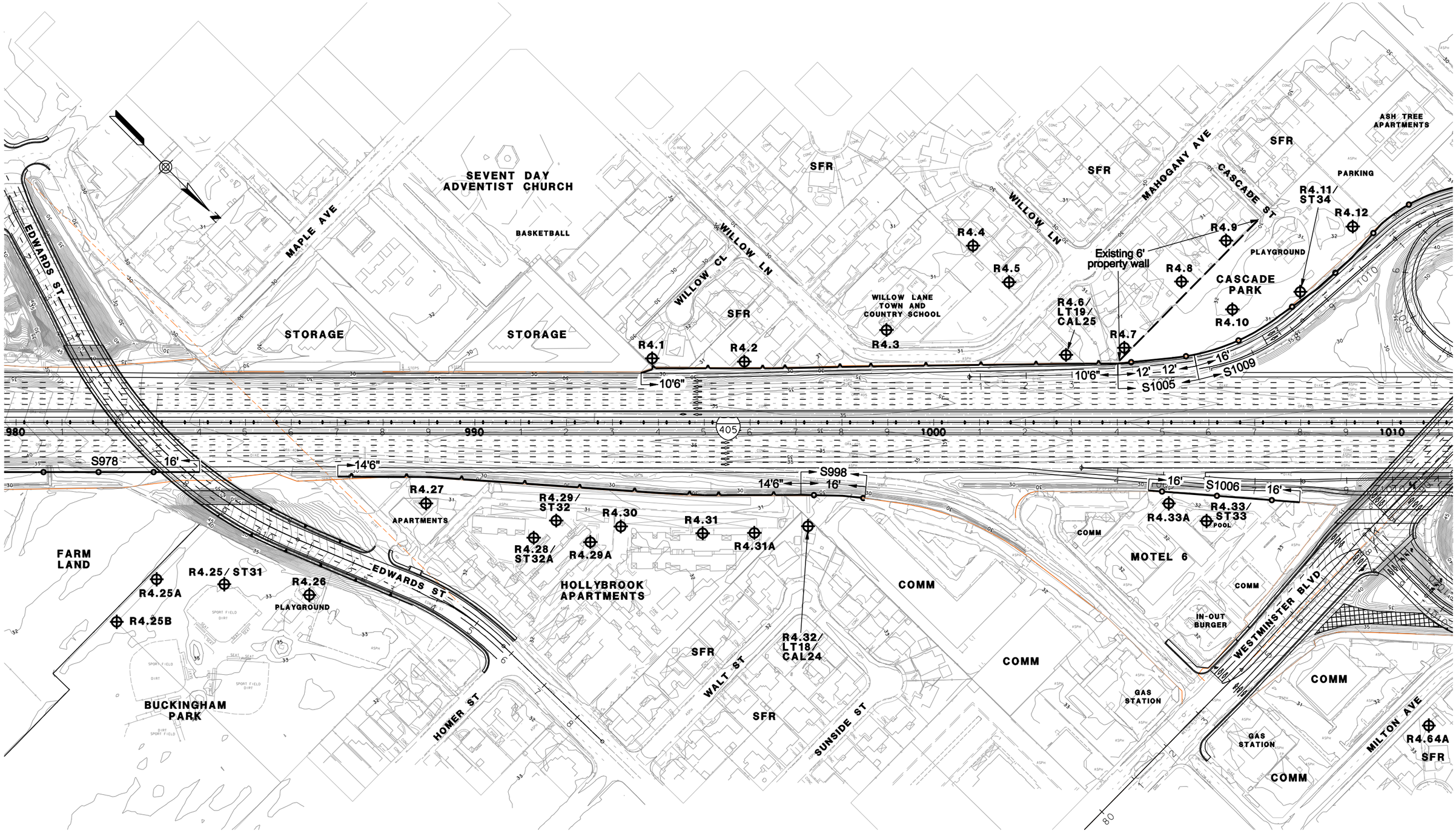
FIGURE 16



LEGEND

- RXX – RECEIVER SITE
- LT – LONGTERM MEASUREMENT
- ST – SHORTTERM MEASUREMENT
- CAL – CALIBRATION SITE
- EXISTING WALL
- SOUNDWALL
- EXISTING SOUNDWALL
- REPLACEMENT IN KIND SOUNDWALL
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- MFR – MULTI-FAMILY RESIDENCE
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1in : 200ft

0 ft 100ft 200ft 300ft

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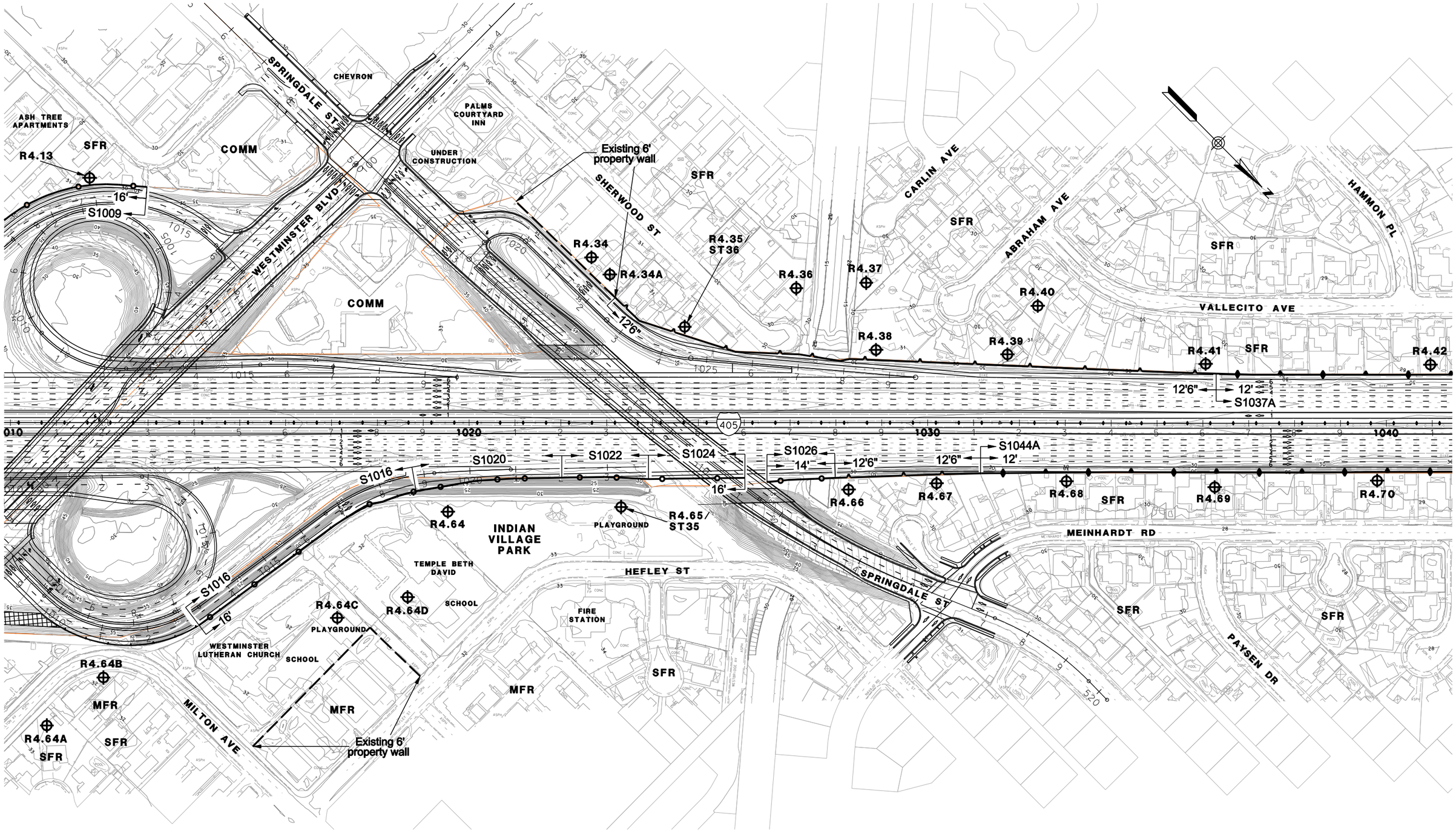
FIGURE 17



LEGEND

- RXX – RECEIVER SITE
- LT – LONGTERM MEASUREMENT
- ST – SHORTTERM MEASUREMENT
- CAL – CALIBRATION SITE
- EXISTING WALL
- SOUNDWALL
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1in : 200ft

0 ft 100ft 200ft 300ft

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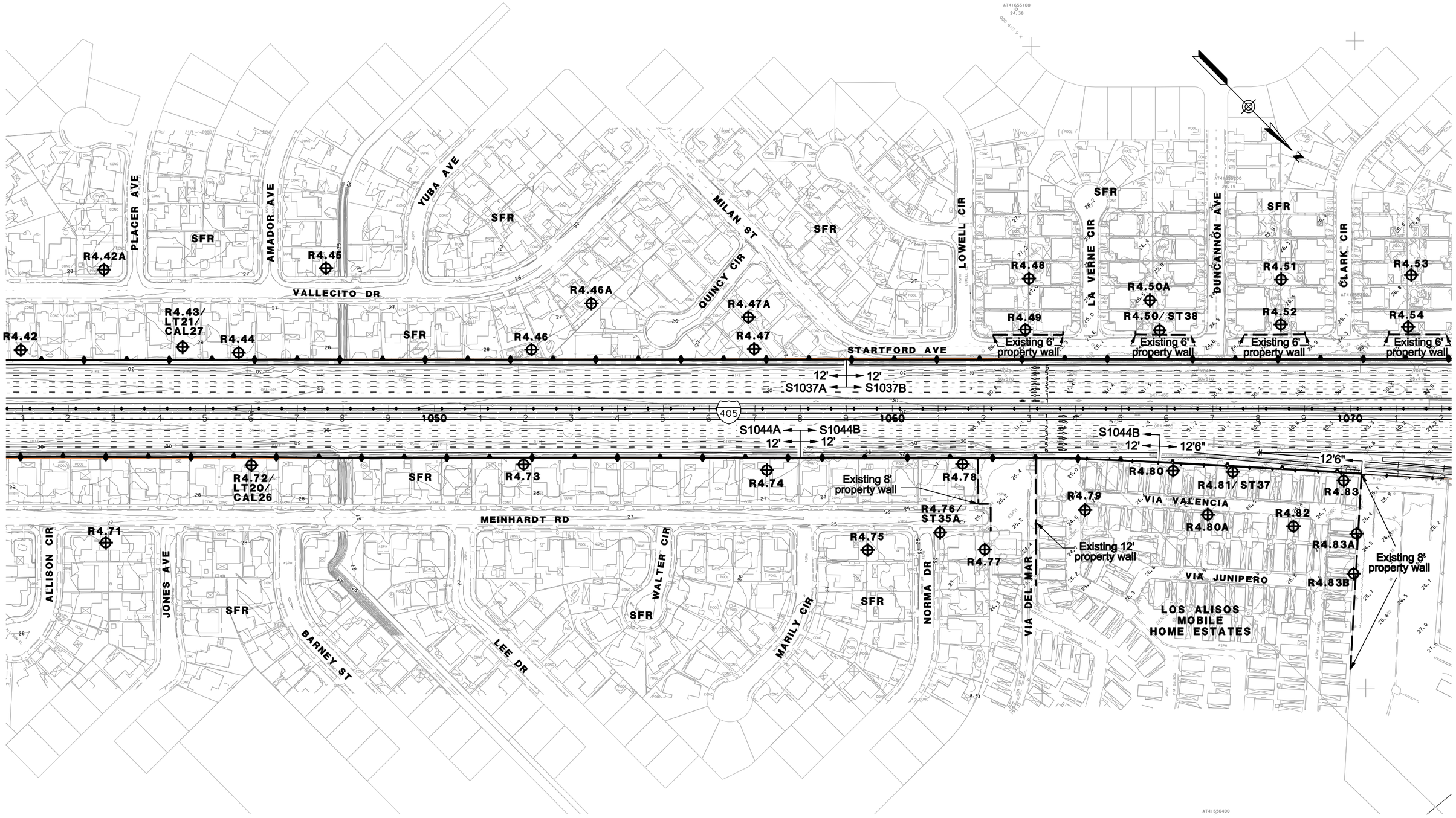
FIGURE 18



LEGEND

- RXX – RECEIVER SITE
- LT – LONGTERM MEASUREMENT
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- CAL – CALIBRATION SITE
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1in : 200ft

0 ft 100ft 200ft 300ft

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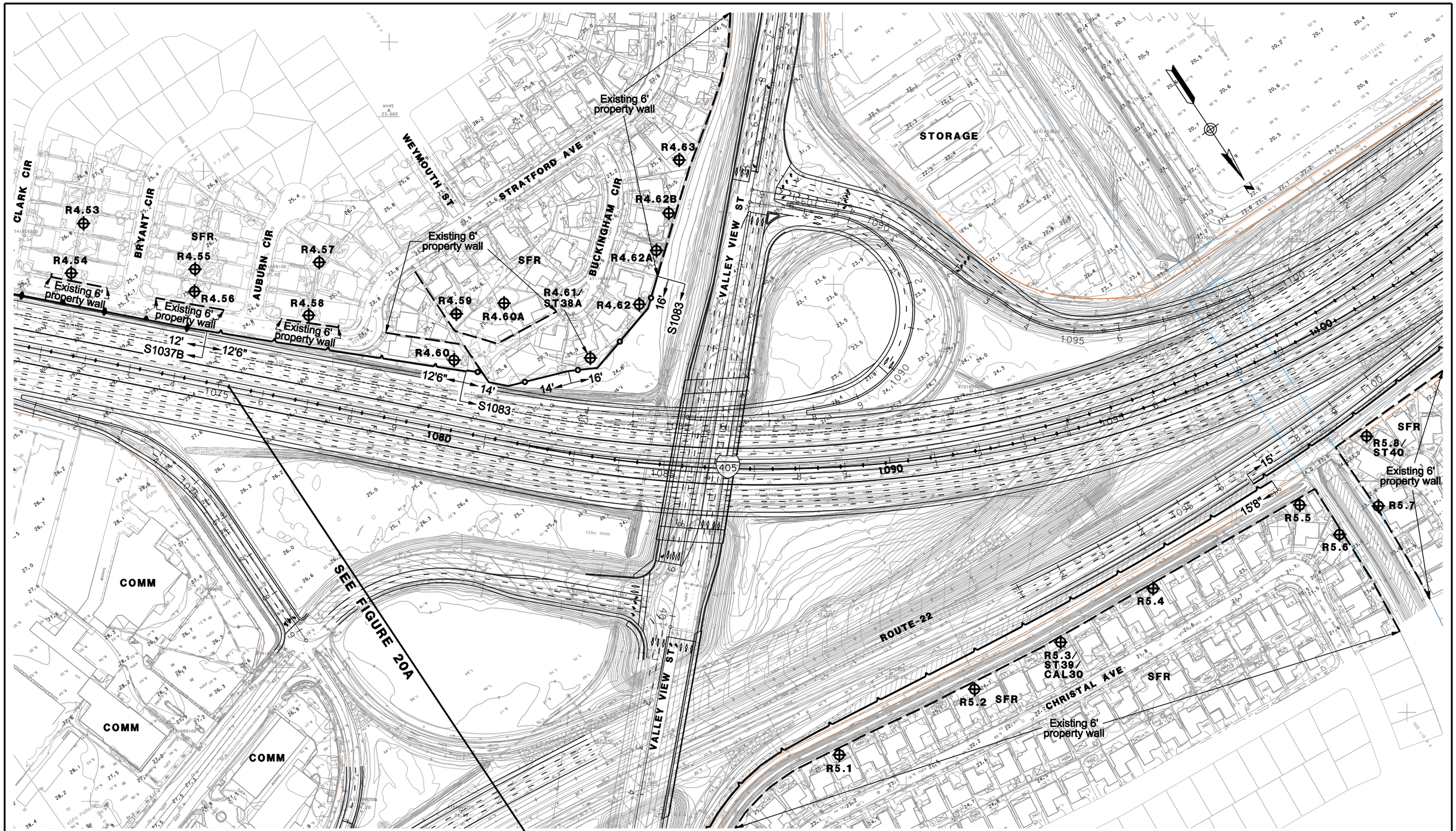
FIGURE 19



LEGEND

- RXX – RECEIVER SITE
- LT – LONGTERM MEASUREMENT
- ST – SHORTTERM MEASUREMENT
- CAL – CALIBRATION SITE
- EXISTING WALL
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- EXISTING SOUNDWALL
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- COMM – COMMERCIAL

1in : 200ft

0 ft 100ft 200ft 300ft

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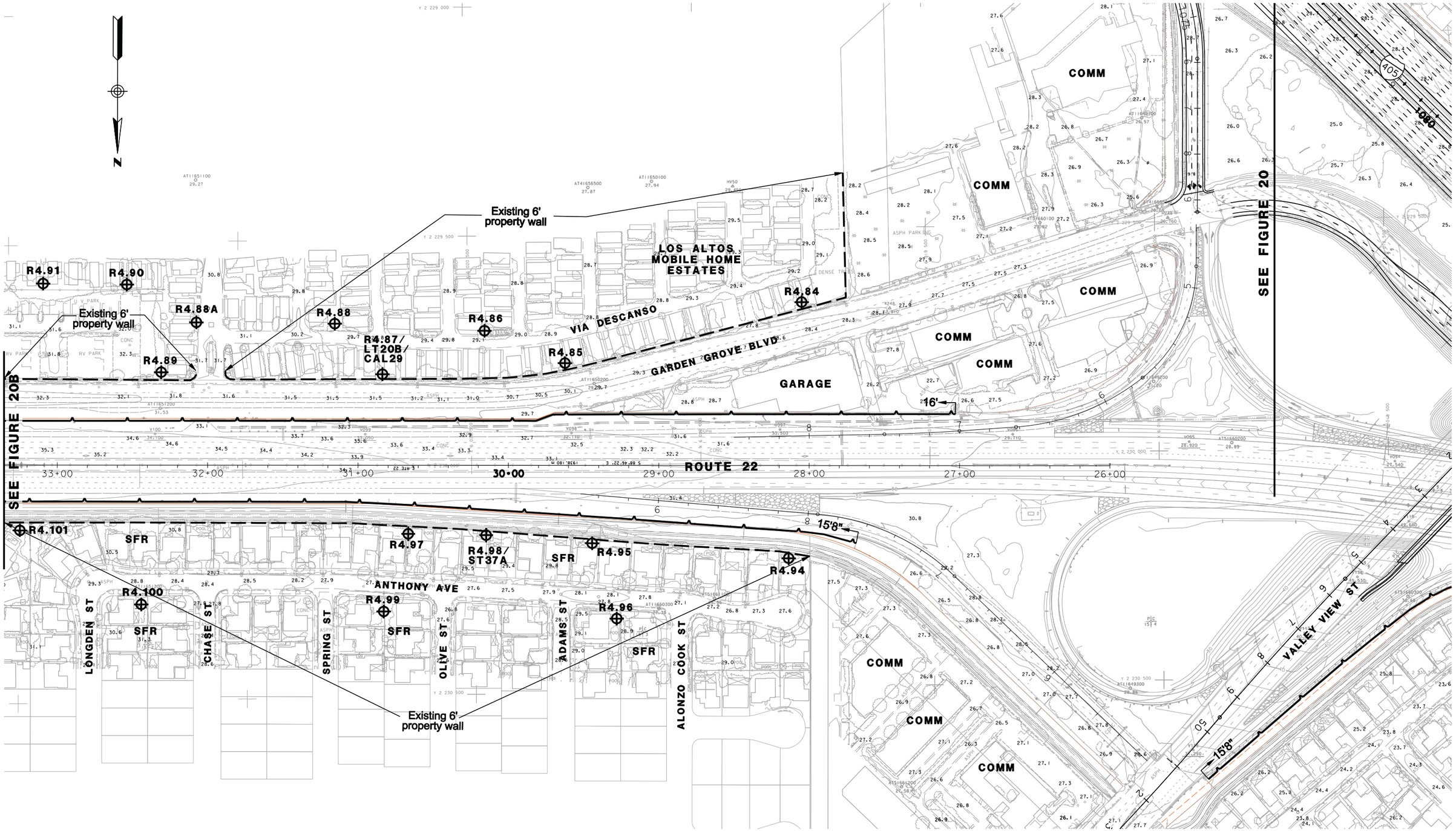
FIGURE 20



LEGEND

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- LT – LONGTERM MEASUREMENT
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1in : 200ft

0 ft 100ft 200ft 300ft

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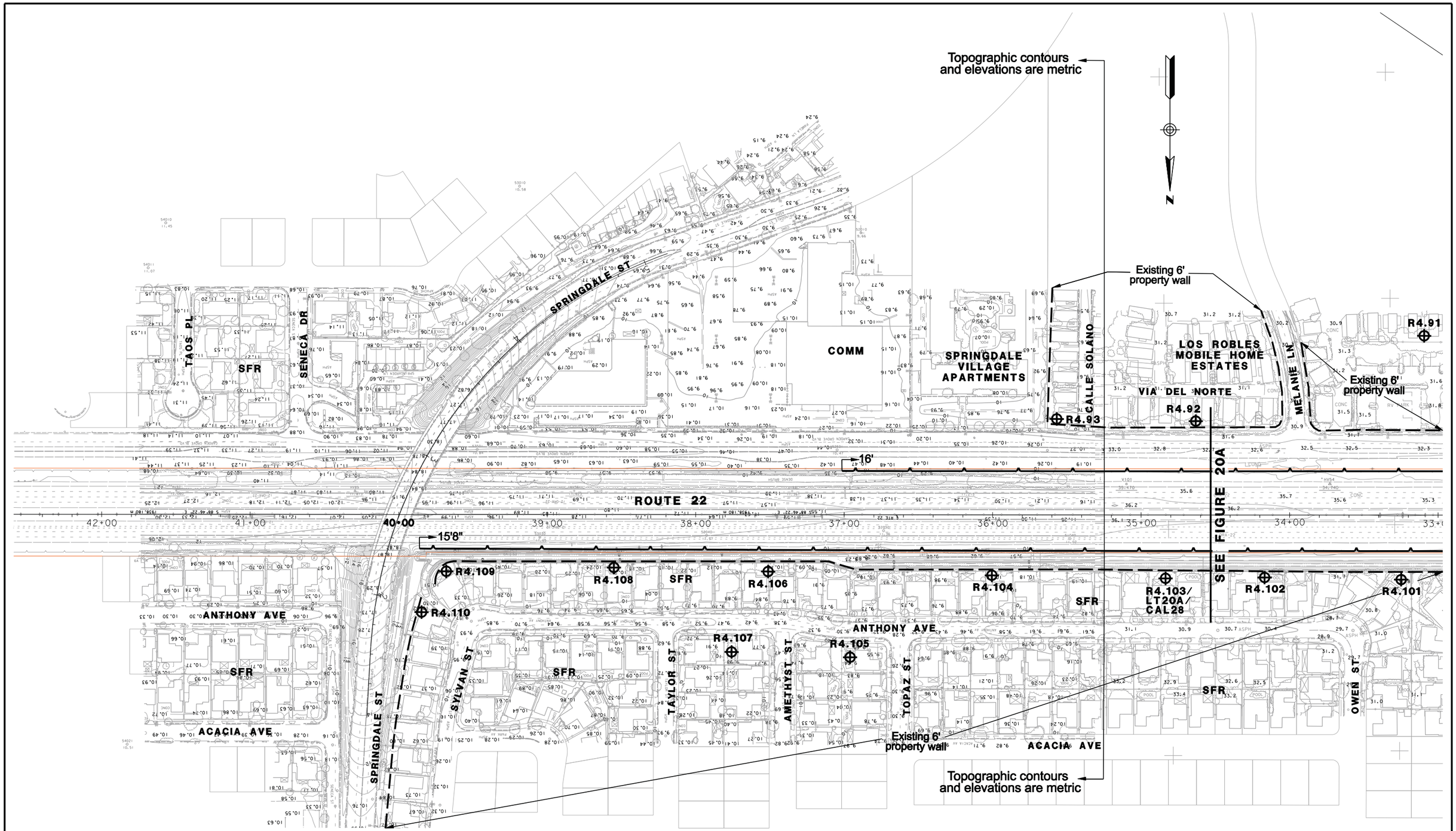
FIGURE 20A



LEGEND

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- CAL – CALIBRATION SITE
- EXISTING WALL
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- b – BENEFITED RESIDENCE

1in : 200ft

0 ft 100ft 200ft 300ft

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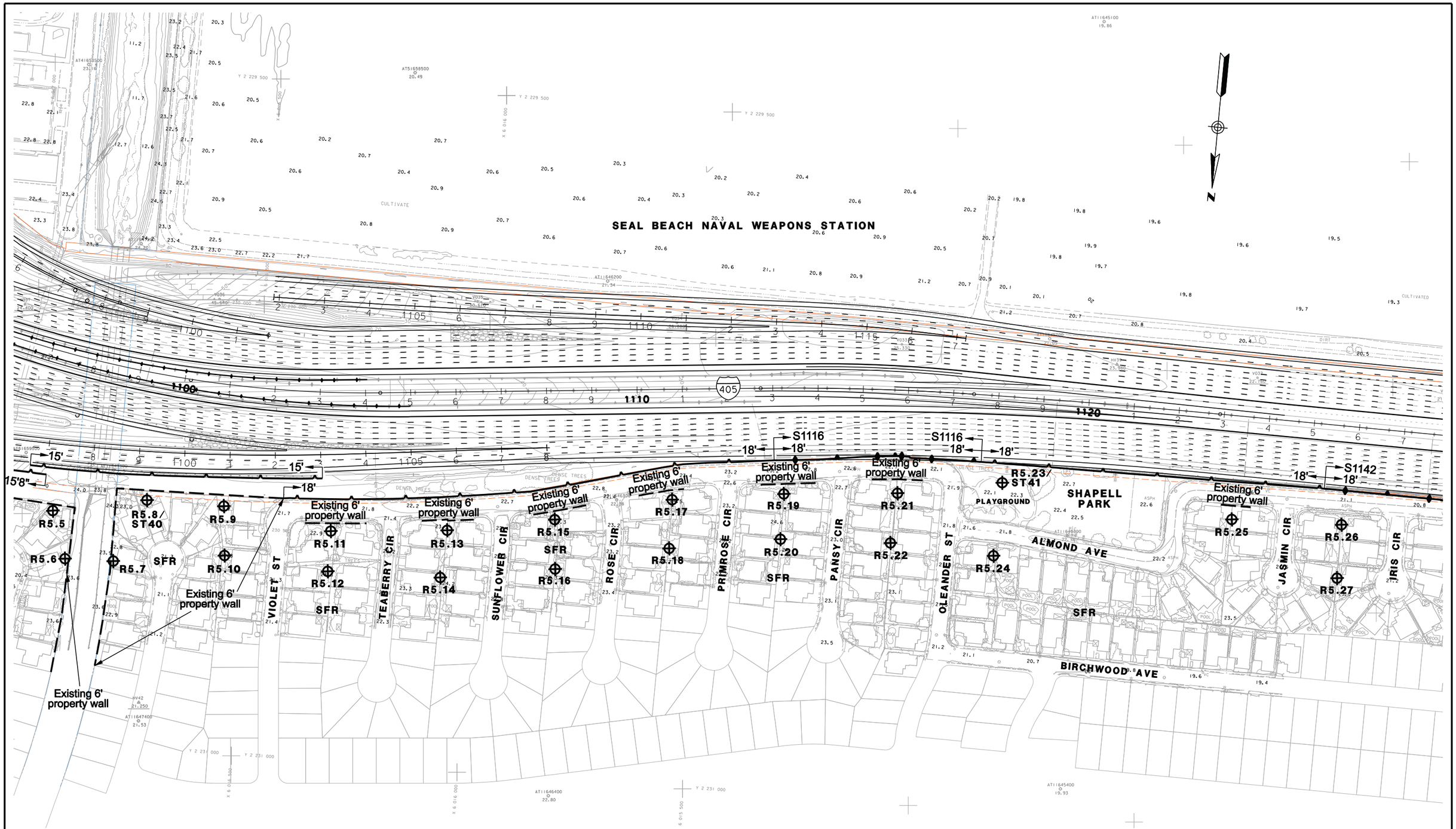
FIGURE 20B



LEGEND

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- LT – LONGTERM MEASUREMENT
- ST – SHORTTERM MEASUREMENT
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- EXISTING WALL
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FIGURE 21

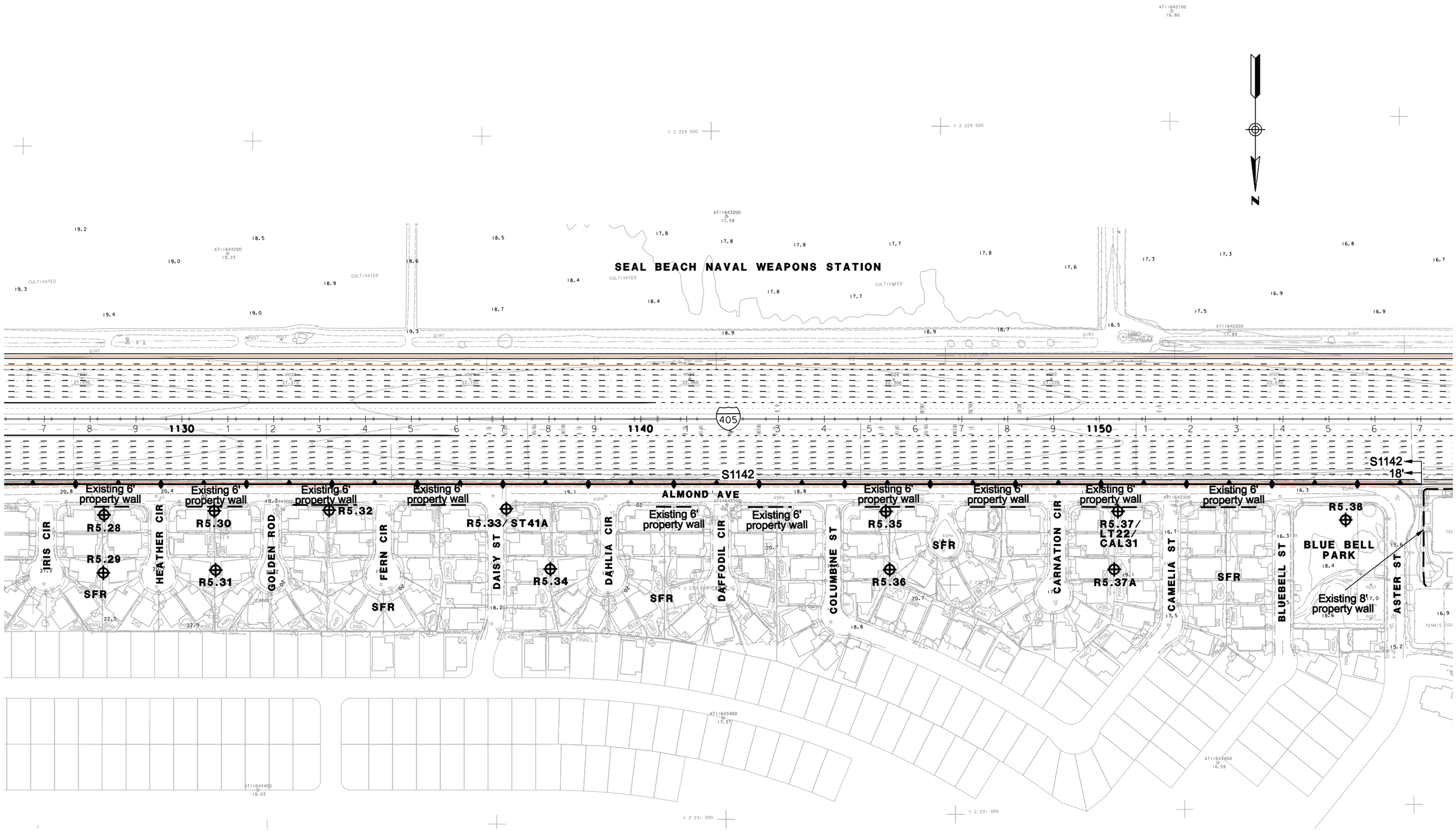

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FIGURE 22

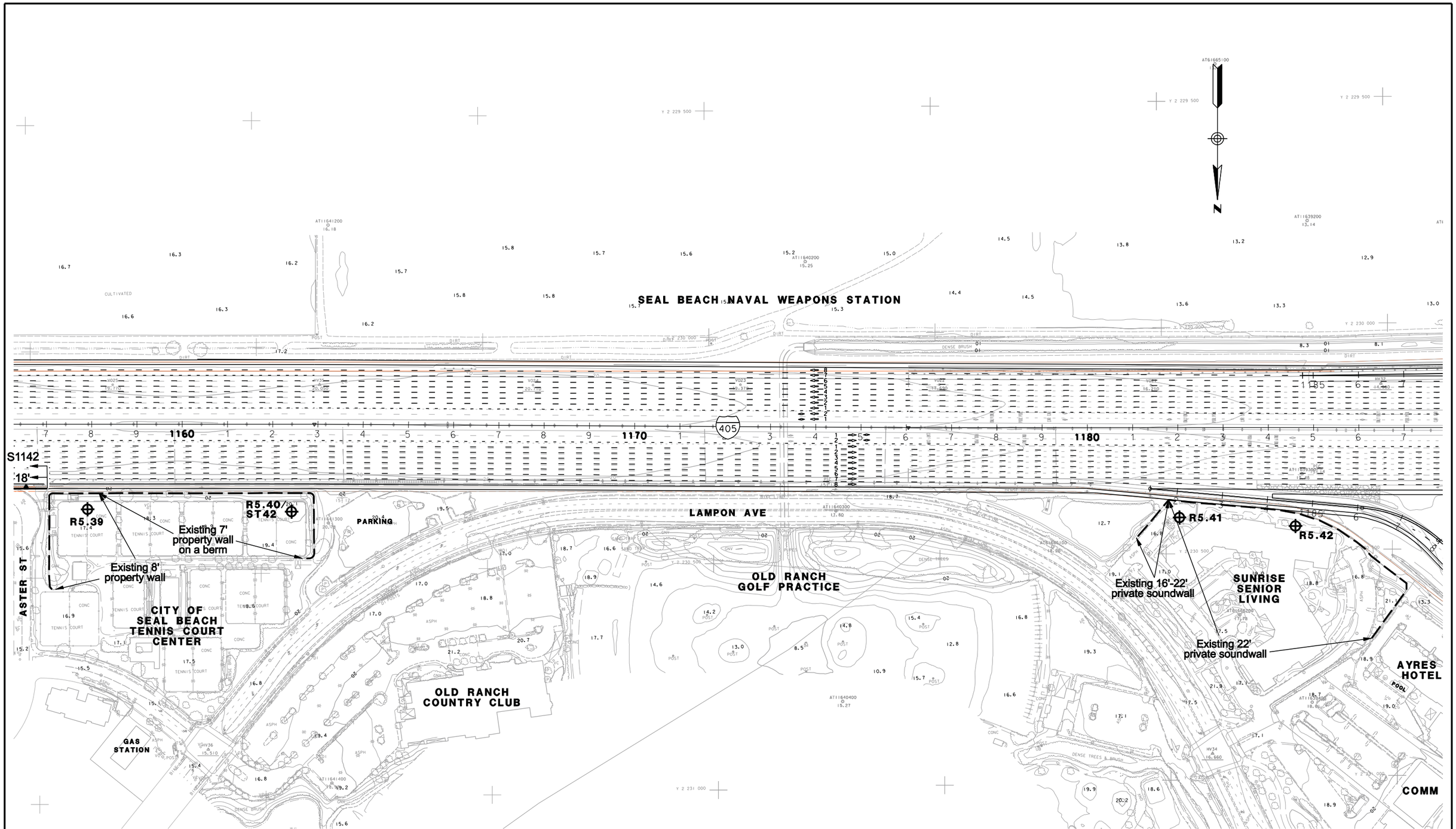

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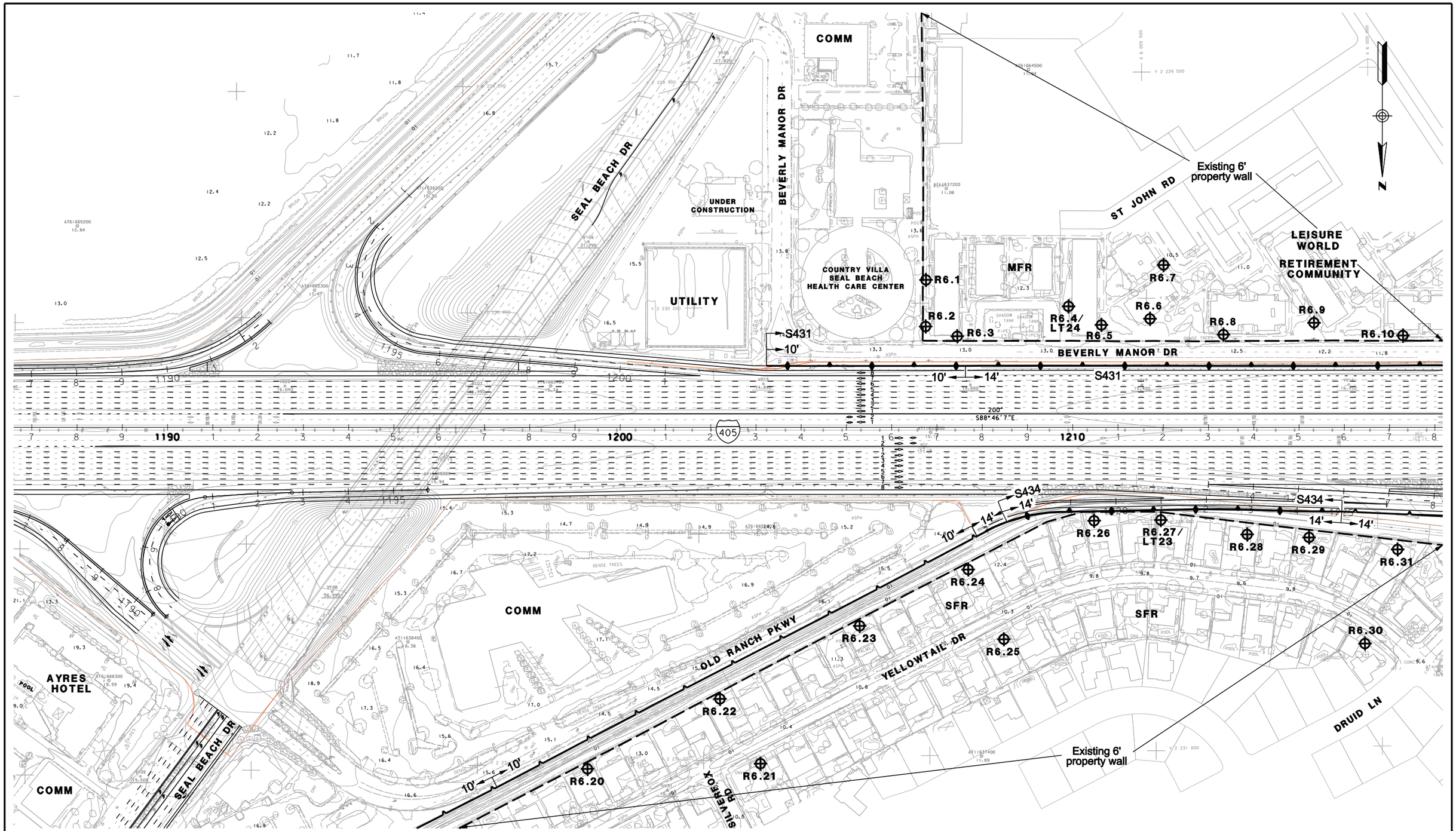
FIGURE 23



LEGEND

- RXX – RECEIVER SITE
- LT – LONGTERM MEASUREMENT
- ST – SHORTTERM MEASUREMENT
- CAL – CALIBRATION SITE
- EXISTING WALL
- SOUNDWALL
- EXISTING SOUNDWALL
- REPLACEMENT IN KIND SOUNDWALL
- SFR – SINGLE FAMILY RESIDENCE
- MFR – MULTI-FAMILY RESIDENCE
- COMM – COMMERCIAL
- b – BENEFITED RESIDENCE

1in : 200ft

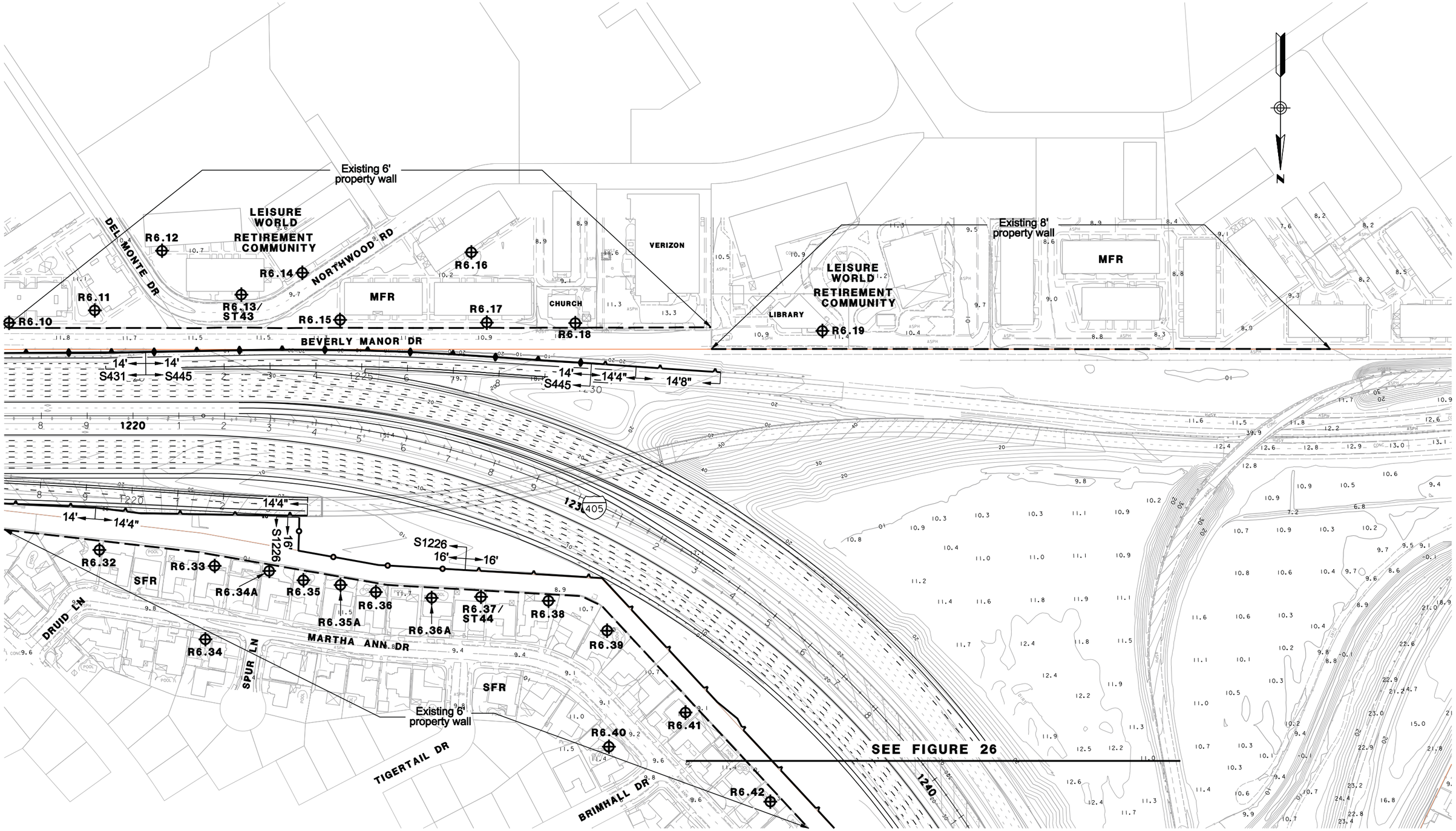
0 ft 100ft 200ft 300ft

PARSONS
100 WEST WALNUT ST.
PASADENA, CA 91124
(626) 440-6100

I-405 WIDENING PA/ED PROJECT NADR RECOMMENDED BARRIER HEIGHTS & LOCATIONS ALT2

FEBRUARY 25, 2011

FIGURE 24



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I-405 WIDENING PA/ED PROJECT NADR RECOMMENDED BARRIER HEIGHTS & LOCATIONS ALT2

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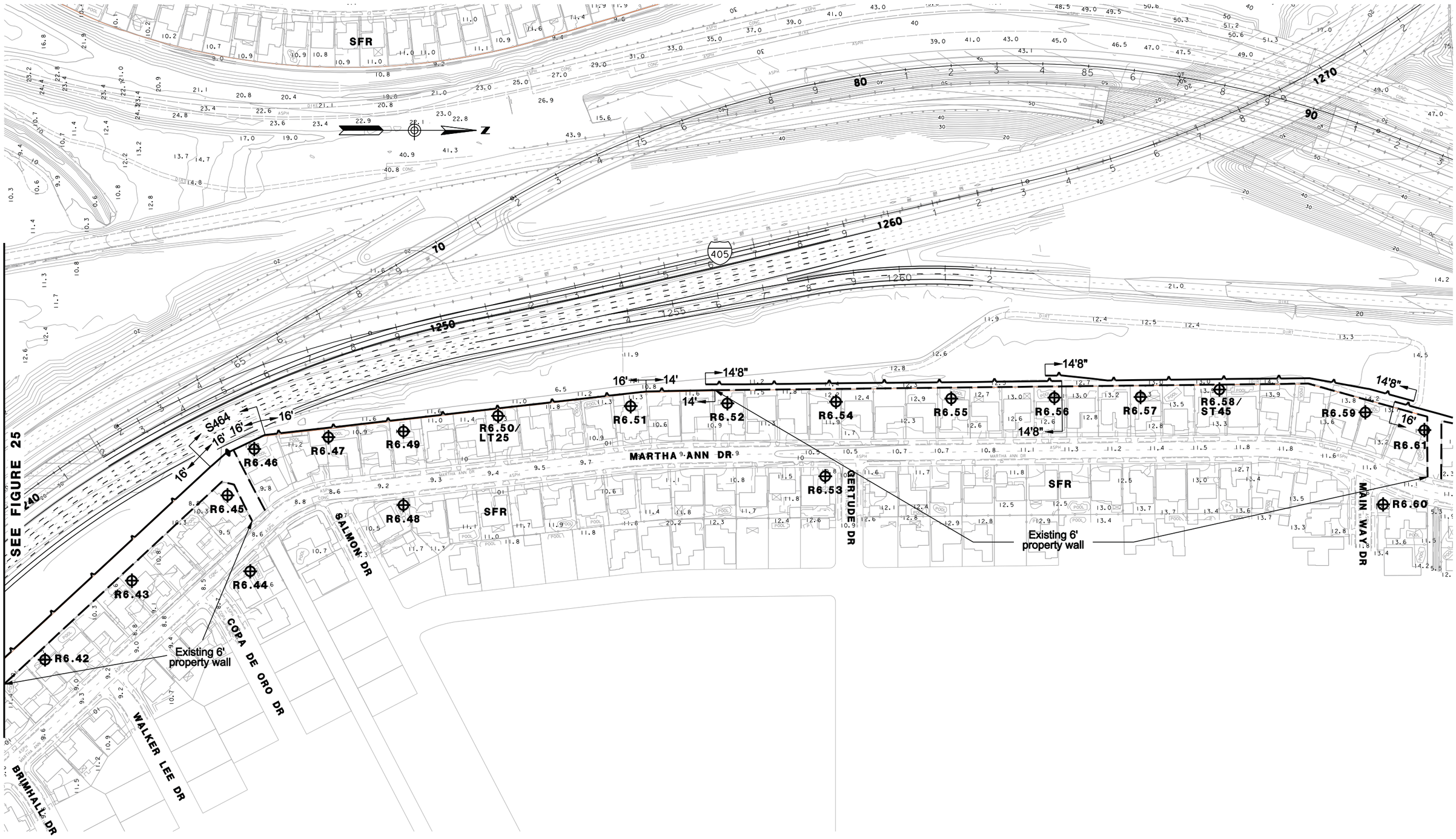
FIGURE 25



LEGEND

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I-405 WIDENING PA/ED PROJECT NADR RECOMMENDED BARRIER HEIGHTS & LOCATIONS ALT2

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FIGURE 26

APPENDIX A3

Recommended Barrier Heights & Locations

for

Alternative 3