Final Lane Closure Report

for

US 101 Auxiliary Lanes Project, in Santa Clara County, between State Route 85 and Embarcadero Road Interchanges

04-SCl-101, PM 48.7/52.0
EA 04-4A3301
CMIA – Proposition 1B Funded Project

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Project Description

The project proposes to construct auxiliary lanes, extend existing second High Occupancy Vehicle (HOV) lanes, and undertake associated ramp improvements including ramp widening and installing/activating ramp metering in both directions of U.S. Route 101 (US 101) in Santa Clara County between the State Route 85 (SR 85) interchange in the City of Mountain View and the Embarcadero Road interchange in the City of Palo Alto.

The purpose of the project is to relieve existing and future traffic congestion at freeway on-ramp and off-ramp connections, improve safety along the US 101 corridor, provide for improved local access over this segment of the US 101 corridor. Auxiliary lanes would improve traffic operations on the freeway by providing more acceleration and deceleration length for traffic entering and exiting the freeway at each interchange to merge and by allowing local traffic that is only going from one interchange to the next to use the freeway without impacting the main through lanes. Installation/activation of ramp metering at freeway on-ramps will meter traffic entering the mainline during peak periods. The extension of the existing second HOV lane leading to and from the SR 85 interchange in each direction of US 101 is projected to reduce the queue lengths that occur during peak periods. The project construction date is estimated to start in June 2011 and estimated to end in August 2013. The estimated construction cost for the project is $69.3 million.

The majority of the project improvements would be constructed within existing State right-of-way. Some minor right-of-way acquisitions will be needed at some locations as well as temporary construction easements. The proposed project has been assigned the Project Development Processing Category 4B since it does not require substantial new right-of-way for roadway purposes and does not substantially increase traffic capacity.

The project sponsor/requestor is the Santa Clara Valley Transportation Authority (VTA). Funding for project development, engineering, right-of-way, environmental documentation, construction and construction support for the project will be from a combination of Corridor Mobility Improvement Account (CMIA) Program funds and VTA Local Program Reserve funds. There is no federal funding for this project.

US 101 is a north-south freeway that begins south of Los Angeles and extends northward, through San Jose and San Francisco, to Oregon. Within the project limits, the freeway segment has full access control. Land uses in the project limits include commercial and industrial uses to the east of the freeway and residential, commercial and industrial uses to the west. US 101 typically has three mixed-flow lanes and one HOV lane in each direction within the project study area. In the Northbound direction, US 101 has an average daily traffic (ADT) volume of 155,000 between Shoreline Boulevard and Rengstorff Avenue, 157,000 between Rengstorff and San Antonio Road, and 161,000 between San Antonio Road and Embarcadero Road. In the Southbound direction, US 101 has an average daily traffic (ADT) volume of 74,500 between Shoreline Boulevard and Rengstorff Avenue, 57,000 between Rengstorff and San

Antonio Road, and 70,000 between San Antonio Road and Embarcadero Road, according to the 2000 and 2007 Traffic Volumes on the California State Highway System available from the Caltrans website,.

Need for Project

The purpose of this project is to relieve existing and future traffic congestion at freeway on-ramp and off-ramp connections, improve safety along the US 101 corridor and provide improved local access over this segment of the US 101 corridor. The congestion relief improvements are needed for current and future traffic needs. The addition of auxiliary lanes, extending the second HOV lanes and associated ramp improvements including ramp widening and installing/activating ramp metering will provide operational benefits to the freeway and the local transportation system. The added auxiliary lanes will provide more room for traffic entering and exiting the freeway facility at each interchange to merge and allow local traffic that is only going from one interchange to the next to use the freeway without impacting the mainline through traffic. Congestion has been identified as the primary cause of accidents in the project area, many of which are rear end type collisions. The project improvements are expected to result in a measurable reduction in congestion related injury accidents.

Main objectives of the projects are summarized below:

- Reduce existing traffic congestion
- Encourage the increased use of HOV lanes through expansion of existing HOV system
- Reduce local streets traffic during off peak periods for US 101 when ramps are not metered
- Reduce the number of congestion related accidents

Several of the interchanges within the project limits are closely spaced along the US 101 corridor and lack existing auxiliary lanes. During peak periods, the existing US 101 corridor within the project limits experiences bottlenecks between several of the existing interchanges that generates significant queuing upstream of the bottleneck location that impacts mainline and ramp operations. The current bottlenecks occur in the mixed flow lanes as well as the HOV lanes. Ramp metering equipment has been installed on some but not all of the freeway on-ramps within the project limits resulting in additional congestion on the freeway where on-ramp traffic is not metered.

The project proposes the following improvements:

- Construction of auxiliary lanes at the following locations:
    - ⇨ Northbound US 101 eliminate the number 5 lane drop near Shoreline Boulevard on-ramp and extend lane to the Rengstorff Avenue loop off-ramp.
    - ⇨ Northbound US 101 between the Rengstorff Avenue on-ramp to the San Antonio Road off-ramp.

- ⇨ Northbound US 101 between San Antonio Road on-ramp to the Oregon Expressway off-ramp.
- ⇨ Southbound US 101 from the Oregon Expressway on-ramp to the San Antonio Road diagonal off-ramp.

- Extend the existing second HOV lane in each direction of US 101. In the northbound direction of US 101, the existing HOV lanes drop from two HOV lanes to one HOV lane in the vicinity of the Shoreline Boulevard Interchange. This HOV lane drop would be eliminated and the second HOV lane would continue north until being dropped between the Oregon Expressway and San Antonio interchanges. In the southbound direction of US 101, the second HOV lane would be extended so that it will begin between the Oregon Expressway and San Antonio Road interchanges and will continue south to connect to the two existing HOV lanes in the vicinity of the Shoreline Boulevard Interchange.

- Ramp improvements at the following locations:
  - ⇨ Realign the existing three lane on-ramp from the Shoreline Boulevard Interchange to northbound US 101. Maintain HOV preferential lane and ramp metering.
  - ⇨ Realign the existing single lane off-ramp from northbound US 101 to eastbound Amphitheatre Parkway.
  - ⇨ Realign and widen the existing single lane on-ramp from Rengstorff Avenue to northbound US 101 to install/implement ramp metering with two mixed flow lanes at ramp meter.
  - ⇨ Realign the existing single lane off-ramp from northbound US 101 to San Antonio Road.
  - ⇨ Merge the loop on-ramp and diagonal on-ramp from San Antonio Road together prior to the merge with northbound US 101. Install/Implement ramp metering at the merge of the two on-ramps.
  - ⇨ Realign and widen the existing two lane on-ramp from Oregon Expressway to southbound US 101 to add a second mixed-flow lane. Maintain HOV preferential lane and ramp metering.
  - ⇨ Realign southbound San Antonio off-ramps.
  - ⇨ Realign the existing two lane on-ramp from Rengstorff Avenue to southbound US 101. Maintain HOV preferential lane and ramp metering.
  - ⇨ Realign the existing two lane on-ramp from Old Middlefield Way to southbound US 101.
  - ⇨ Realign SB Shoreline off-ramp.

- No work is proposed at the southbound Embarcadero Road diagonal on-ramp or the southbound Embarcadero loop ramps.

- Overlay of existing northbound and southbound US 101 pavement.

Construction for widening of US 101, on/off-ramps improvements and associated improvements will require temporary lane closures along US 101 and surface streets, except at the on-ramp from westbound Shoreline Boulevard to US 101 northbound and on-ramp from Embarcadero Road to US 101 southbound.. Other construction work will be completed, by shifting the traffic to temporary striping along US 101. The project is proposed to be constructed in six stages. The staging sequence has been developed in a way that impacts are minimized to the traffic. The proposed construction staging and traffic handling is summarized in Stage Construction Plans (SC-1 through SC-24).

Construction for widening of US 101, on/off-ramps improvements and associated improvements will require long-term closures at the following locations:

1. On-Ramp from Westbound Shoreline Boulevard to US 101 Northbound – Under Stage 1 one lane is required to be closed at the off-ramp. Under existing conditions, three lanes exist on the on-ramp.
2. On-Ramp from Embarcadero Road to US 101 Southbound – Under Stage 3, this ramp will need to be closed over the weekend (from Friday night to Monday morning) to construct the proposed drainage improvements at the ramp.

Temporary barriers systems such as K-rail will be used to close off the construction zones along the roadway. In order to install the temporary barriers and associated work including the removal and installation of pavement delineation will require temporary lane closures within the project limits.

Traffic Flow Characteristic and Development of Design Volumes

This section summarizes the methods and assumptions used to develop the lane closure charts and damage calculations associated with temporary lane closures within the vicinity of the project. Temporary lane closures in this document refer to the lane closures required to perform the construction of the project.

In order to determine the hourly volumes along the roadway, 24-hour traffic volumes were collected from Caltrans by URS Corporation. The data provided was collected in 2000 and 2007. Average hourly volumes for weekdays were developed based on the data collected. Growth factor of 1 percent per year was applied to Year 2000 and 2007 to project the ADT and hourly volumes for Year 2013 (Construction Year) Conditions.

Design Volumes

Based on 24-hour Traffic Volumes collected from Year 2000 and 2007, the maximum average daily volume in the northbound direction is approximately 161,000 vehicles per day (vpd), and approximately 70,000 vpd in the southbound direction. This data was used to derive the hourly volumes for typical Monday through Friday and Saturday through Sunday operations along US

101 through the project area. Projected Year 2013, 24-hour traffic volumes along the freeway mainline and ramps are included in **Appendix A**.

Capacity Threshold Assumptions

It should be noted that the following capacities were used to determine the freeway mainline and ramp lane closures for each direction of travel:

- For hourly volumes of less than 1,500 vehicles per hour (vph), one travel lane is required to be open;
- No lane closures along the freeway mainline are permitted for hourly volumes higher than 1,500 vph per lane;
- For one lane on-ramps, no ramp closures are permitted for hourly volumes higher than 1,200 vph; and
- For one lane off-ramps, no ramp closures for hourly volumes higher than 600 vph.

For each proposed partial or full closure, hourly demand volumes were compared to hourly capacities to determine if and for which specific hours of the day the closure can occur. Adjustments were made to avoid lane closures or openings of one to two hour periods, which would not provide practical working conditions.

Minimum Lane Requirements

The hourly volumes along US 101 and on/off-ramps are estimated based on the assumptions described in the earlier section. The hourly volumes were used to complete the freeway mainline and on/off-ramps closure analysis. For each freeway mainline and on/off-ramps closure, the following data is provided in **Appendices B** and **C**:

- Freeway mainline temporary lane closure charts with allowed hours of work indicated and projected traffic volumes;
- Temporary ramp closure charts with allowed hours of work indicated and projected traffic volumes;
- Temporary highway and street closure charts with allowed hours of work indicated; and
- Temporary full highway and street closure charts with allowed hours of work indicated.

Construction of the proposed project is to be undertaken in six main stages summarized as follows. Stage construction plans (SC-1 through SC-24) are attached in **Appendix D** for information purposes only.

Stage 1 – Traffic

1. Maintain number of lanes on freeway using 11 foot lanes minimum.

2. Shift southbound Embarcadero Road on-ramp traffic away from ramp nose during night time construction.

Stage 1 - Construction

1. Construct southbound Route 101 widening between "C" 49+22 and "C" 119+83 with exception of placing 0.15' RHMA-G and matching HMA-A with existing PCC elevation.
2. Construct southbound and northbound Matadero Creek Bridge widening.
3. Construct a portion of southbound Embarcadero Road on-ramp between "ESN" 45+00 and "ESN" 49+22.
4. Construct temporary pavement for the southbound Oregon Expressway on-ramp "D1" line.
5. Construct northbound Route 101 widening between "C" 55+80 and "C" 113+93 with exception of placing 0.15' RHMA-G and matching HMA-A with existing elevation at sawcut. Construct a portion of the northbound San Antonio Road Loop on-ramp between "SANN-L" 113+93 and "SANN-L" 120+70.
6. Remove curb and gutter and repave the temporary shoulder and gore for the northbound Oregon Expressway off-ramp "D3" line during night time closure.
7. Construct a portion of northbound Embarcadero Road off-ramp between "ENF" 45+10 and "ENF" 46+00.
8. Construct temporary pavement for the northbound Oregon Expressway off-ramp "D3" line.
9. Construct temporary pavement for the northbound Embarcadero Road off-ramp "D2" line.
10. Construct temporary pavement for the northbound San Antonio Road on-ramp "D7" line.
11. Construct southbound Route 101 widening between "C" 122+56 and "C" 126+76 with exception of placing 0.15' RHMA-G and matching HMA-A with existing PCC elevation.
12. Construct a portion of the southbound San Antonio Road Loop off-ramp between "SASF-L" 129+25 and "SASF-L" 133+90.
13. Construct temporary pavement for the southbound San Antonio Road loop off-ramp "D4" line
14. Construct southbound Route 101 widening between "C" 130+28 and "C" 161+95 with exception of placing 0.15' RHMA-G and matching HMA-A with existing PCC elevation.
15. Construct a portion of the northbound San Antonio Road on-ramp between "SANN-L" 123+12 and "SANN-L" 126+86.
16. Construct temporary pavement for the southbound San Antonio Road off-ramp "D8" line.
17. Construct southbound and northbound Adobe Creek Bridge Widening.

18. Construct temporary pavement for the northbound San Antonio Road Loop on-ramp "D6" line.
19. Construct a portion of the northbound San Antonio Road Loop on-ramp between "SANN" 123+12 and "SANN" 126+41.
20. Remove concrete median island along Rengstorff Avenue southbound on-ramp between "RSN" 165+90 and "RSN" 166+50.
21. Construct temporary pavement for the northbound San Antonio Avenue off-ramp "D5" line.
22. Construct temporary pavement for the northbound Amphitheatre Parkway on-ramp "D10" line.
23. Construct northbound Route 101 widening between "C" 172+35 and "C" 193+14 with exception of placing 0.15' RHMA-G and matching HMA-A with existing elevation at sawcut.
24. Construct temporary pavement for the southbound Rengstorff Avenue off-ramp "D11" line.
25. Construct northbound Route 101 widening between "C" 163+50 and "C" 169+00 with exception of placing 0.15' RHMA-G and matching HMA-A with existing elevation at sawcut.
26. Construct temporary pavement for the southbound Rengstorff Avenue on-ramp "D9" line.
27. Construct southbound Route 101 widening between "C" 166+90 and "C" 172+61 with exception of placing 0.15' RHMA-G and matching HMA-A with existing PCC elevation.
28. Construct a portion of the southbound Rengstorff Avenue on-ramp between "RSN" 169+60 and "RSN" 172+61.
29. Construct a portion of the northbound Amphitheatre Parkway off-ramp between "ANF" 161+90 and "ANF" 172+36. Place contaminated soil underneath proposed structural section.
30. Construct the northbound Permanente Creek box culvert extension and wingwalls.
31. Construct a portion of the northbound Shoreline Boulevard on-ramp between "SHNN" 193+14 and 195+03.
32. Construct a portion of the northbound Shoreline Boulevard on-ramp between "SHNN" 199+25 and "SHNN" 205+08.

Stage 2 – Traffic

1. Maintain number of lanes on freeway using 11 foot lanes.
2. Shift northbound Oregon Expressway off-ramp "ONF" line traffic onto newly constructed temporary ramp "D3" line.
3. Shift northbound Embarcadero Road off-ramp traffic onto newly constructed temporary ramp "D2" line.
4. Shift southbound Oregon Expressway on-ramp "OSN" line traffic onto newly constructed temporary ramp "D1" line.

5. Shift northbound San Antonio Road Diagonal on-ramp "SANN" line traffic onto newly constructed temporary ramp "D7" line.
6. Shift southbound San Antonio Loop off-ramp "SASF-L" line traffic onto newly constructed temporary ramp "D4" line.
7. Shift southbound San Antonio Road off-ramp "SASF" line traffic onto newly constructed temporary ramp "D8" line.
8. Shift northbound San Antonio Road Loop on-ramp "SANN-L" line traffic onto newly constructed temporary ramp "D6" line.
9. Shift northbound Amphitheatre Parkway off-ramp "ANF" line traffic to newly constructed pavement.
10. Shift northbound Amphitheatre on-ramp traffic onto newly constructed temporary ramp "D10" line.
11. Shift southbound Rengstorff Avenue on-ramp "RSN" line traffic to newly constructed temporary ramp on the "D9" line.
12. Open newly constructed auxiliary lane to northbound Route 101 mainline traffic.
13. Shift northbound San Antonio Road off-ramp "SANF" line traffic to newly constructed temporary ramp on the "D5" line.
14. Shift on-ramp traffic onto three 12 foot lanes.
15. Shift traffic onto newly constructed pavement.

Stage 2 - Construction

1. Construct the northbound Oregon Expressway off-ramp between "ONF" 43+73 and "ONF" 47+24.
2. Construct a portion of the northbound Embarcadero Road off-ramp between "ENF" 47+24 and "ENF" 55+80.
3. Construct a portion of the southbound Oregon Expressway on-ramp between "OSN" 38+52 and "OSN" 44+15.
4. Construct a portion of the southbound Embarcadero Road on-ramp between "ESN" 44+15 and "ESN" 46+35.
5. Construct HMA overlay for the southbound San Antonio Road Loop off-ramp between "SASF-L" 133+00 and "SASF-L" 133+80 during night time closure at the start of Stage 2.
6. Construct the northbound San Antonio Road Diagonal on-ramp between "SANN" 121+80 and "SANN" 126+80.
7. Construct a portion of the northbound San Antonio Road Loop on-ramp between "SANN-L" 120+70 and "SANN-L" 121+80.
8. Construct southbound Route 101 widening between "C" 119+83 and "C" 120+00 with exception of placing 0.15' RHMA-G and matching HMA-A with existing PCC elevation.
9. Construct remaining portion of the southbound San Antonio Road off-ramp between "SASF" 120+00 and "SASF" 127+74.

10. Construct remaining portion of the southbound San Antonio Road Loop off-ramp between "SASF-L" 129+23 and "SASF-L" 127+80.
11. Construct southbound Route 101 widening between "C" 126+75 and "C" 129+25 with exception of placing 0.15' RHMA-G and matching HMA-A with existing PCC elevation.
12. Construct a portion of northbound San Antonio Road Loop on-ramp between "SANN-L" 124+50 and "SANN-L" 129+70.
13. Remove AC Dike on the northbound San Antonio Loop on-ramp between "SANN-L" 129+70 and "SANN-L" 130+45.
14. Construct HMA overlay at the existing northbound Amphitheatre Parkway off-ramp between "ANF" 167+10 and "ANF" 168+30 during night closure at the start of Stage 2.
15. Construct a portion of the northbound San Antonio Road off-ramp between "SANF" 133+80 and "SANF" 140+44.
16. Construct northbound Route 101 widening between "C" 140+44 and "C" 152+89 with exception of placing 0.15' RHMA-G and matching HMA-A with existing elevation at sawcut.
17. Construct a portion of the northbound Amphitheatre Parkway on-ramp between "ANN" 152+89 and "ANN" 161+70.
18. Construct a portion of the southbound Rengstorff Avenue on-ramp between "RSN" 166+50 and "RSN" 174+97 with exception of placing the MBGR.
19. Construct southbound Route 101 widening between "C" 174+97 and "C" 202+12 with exception of placing 0.15' RHMA-G and matching HMA-A with existing PCC elevation.
20. Construct northbound Route 101 widening between Sta. "C" 167+26 and "C" 173+16 with exception placing 0.15' RHMA-G and matching HMA-A with existing elevation at sawcut.
21. Construct temporary pavement for the northbound San Antonio Road off-ramp "D12" line.
22. Construct remaining portion of the northbound Amphitheatre Parkway off-ramp between "ANF" 167+56 and "ANF" 172+36.
23. Construct a portion of the southbound Old Middlefield Way on-ramp between "OMSN" 202+12 and "OMSN" 204+15.
24. Construct temporary pavement for the southbound Old Middlefield Way on-ramp "D13" line.
25. Construct HMA overlay for the northbound Shoreline Boulevard on-ramp "SHNN" line using consecutive night time closures.
26. Construct remaining portion of the northbound Shoreline Boulevard on-ramp between "SHNN" 193+14 and "SHNN" 199+25.
27. Construct northbound Route 101 widening between "C" 193+14 and "C" 208+85 with exception of placing 0.15' RHMA-G and matching HMA-A with existing elevation at sawcut.

28. Construct southbound Route 101 widening between "C" 212+49 and "C" 215+00 with exception of placing 0.15' RHMA-G and matching HMA-A with existing PCC elevation.
29. Construct temporary pavement for southbound Shoreline Boulevard off-ramp "D14" line.
30. Construct a portion of the southbound Shoreline Boulevard off-ramp between "SHSF" 212+48 and "SHSF" 217+45.

Stage 3 – Traffic

1. Shift northbound Embarcadero Road off-ramp "ENF" line traffic and northbound Oregon Expressway off-ramp "ONF" line traffic onto newly constructed pavement.
2. Shift southbound Oregon Expressway on-ramp "OSN" line traffic onto newly constructed pavement.
3. Shift northbound San Antonio Road Diagonal on-ramp "SANN" line traffic onto newly constructed pavement.
4. Shift northbound San Antonio Road Loop on-ramp "SANN-L" traffic onto newly constructed pavement only after the removal of the portion of temporary ramp "D7" line previously overlayed over the northbound San Antonio Road on-ramp "SANN-L" line.
5. Shift southbound San Antonio Road off-ramp "SASF" line traffic onto newly constructed pavement.
6. Shift southbound San Antonio Road Loop off-ramp "SASF-L" line traffic onto newly constructed pavement.
7. Open newly constructed pavement to southbound mainline traffic.
8. Shift northbound San Antonio Road off-ramp "SANF" line traffic onto newly constructed pavement and temporary ramp "D12" line.
9. Shift northbound Amphitheatre Parkway on-ramp "ANN" line traffic onto newly constructed pavement.
10. Shift southbound Rengstorff Avenue off-ramp "RSF" line traffic onto temporary pavement along "D11" line.
11. Shift southbound Rengstorff Avenue on-ramp "RSN" line traffic onto newly constructed pavement.
12. Shift northbound Amphitheatre Parkway off-ramp "ANF" line traffic onto newly constructed pavement.
13. Open newly constructed auxiliary lane to northbound Route 101 mainline traffic.
14. Shift southbound Old Middlefield Way on-ramp "OMSN" line traffic onto newly constructed temporary ramp "D13" line.
15. Shift southbound Shoreline Boulevard off-ramp "SHSF" line traffic onto newly built temporary ramp "D14" line.

Stage 3 – Construction

1. Construct HMA overlay for the northbound Embarcadero Road off-ramp "ENF" line during night time closure at the start of Stage 3.
2. Construct remaining portion of southbound Oregon Expressway on-ramp between "OSN" 36+45 and "OSN" 43+00.
3. Remove curb and gutter and construct drainage system No. 4 along southbound Embarcadero Road on-ramp "ESN" line during weekend closure. Construct HMA overlay during night time closure.
4. Remove the temporary pavement along the southbound Oregon Expressway on-ramp "OSN" line. Remove and construct MBGR along Oregon Expressway Over Crossing.
5. Construct gore and constrast surface treatment northbound Route 101 between "C" 45+09 and "C" 56+36.
6. Construct remaining portion of the northbound Embarcadero Road off-ramp between "ENF" 45+08 and "ENF" 55+80.
7. Remove portion of temporary ramp "D7" line previously overlayed over the northbound San Antonio Road on-ramp "SANN-L" line during night time closure at the start of Stage 3.
8. Construct remaining portion of the northbound San Antonio Road loop on-ramp between "SANN-L" 115+70 and "SANN-L" 129+75.
9. Construct northbound Route 101 widening between "C" 115+70 and "C" 140+50 with exception of placing 0.15' RHMA-G and matching HMA-A with existing elevation at sawcut.
10. Remove temporary pavement along the southbound San Antonio Road Loop off-ramp "SASF-L" line and construct constrast surface treatment.
11. Remove temporary pavement along the southbound San Antonio Road off-ramp "SASF" line and construct constrast surface treatment.
12. Remove temporary pavement along the northbound San Antonio Road loop on-ramp "SANN-L" line.
13. Remove temporary pavement along the northbound San Antonio Road off-ramp "SANF" line.
14. Construct remaining portion of the southbound Rengstorff Avenue on-ramp between "RSN" 166+50 and "RSN" 169+85.
15. Construct remaining portion of the southbound Rengstorff Avenue off-ramp between "RSF" 166+36 and "RSF" 170+53.
16. Construct southbound Route 101 widening between "C" 163+12 and "C" 166+36 with exception of placing 0.15' RHMA-G and matching HMA-A with existing elevation at sawcut.
17. Construct ramp, gore, nose, and HMA overlay for the southbound Charleston Road on-ramp "CSN" line during consecutive night time closures.
18. Construct remaining portion of the southbound Charleston Road on-ramp between "CSN" 161+82 and "CSN" 163+12.

19. Remove temporary pavement along the southbound Rengstorff Avenue on-ramp "RSN" line.
20. Remove existing pavement along the northbound Amphitheatre Parkway off-ramp "ANF" line and construct remaining portion of ramp.
21. Construct northbound Route 101 widening between "C" 152+19 and "C" 161+87 with exception of placing 0.15' RHMA-G and matching HMA-A with existing elevation at sawcut.
22. Construct remaining portion of the northbound Amphitheatre Parkway on-ramp between "ANN" 152+11 and "ANN" 161+70.
23. Construct a portion of the northbound San Antonio Road off-ramp between "SANF" 133+79 and "SANF" 140+44.
24. Remove temporary pavement along the northbound Amphitheatre on-ramp "ANN" line.
25. Construct a portion of the southbound Shoreline Boulevard off-ramp between "SHSF" 211+51 and "SHSF" 217+45.
26. Construct HMA overlay for the northbound Shoreline Boulevard on-ramp between "SHNN" 193+14 and "SHNN" 200+00 using consecutive night time closures.
27. Construct remaining portion of the southbound Old Middlefield Way on-ramp between "OMSN" 198+00 and "OMSN" 204+14.
28. Construct southbound Route 101 widening between "C" 204+14 and "C" 211+51 with exception of placing 0.15' RHMA-G and matching HMA-A with existing elevation at sawcut.

Stage 4 – Traffic

1. Maintain number of lanes on freeway and ramps using 11 foot lanes minimum.
2. Shift northbound Embarcadero Road "ENF" line traffic onto newly constructed pavement.
3. Shift northbound San Antonio Road Loop on-ramp "SANN-L" traffic onto newly constructed pavement.
4. Shift northbound San Antonio Road off-ramp "SANF" line traffic onto newly constructed pavement.
5. Shift northbound Amphitheatre Parkway on-ramp "ANN" line traffic onto newly constructed pavement.
6. Shift southbound Rengstorff Avenue off-ramp "RSF" line traffic onto newly constructed pavement.
7. Shift southbound Rengstorff Avenue on-ramp "RSN" line traffic onto newly constructed pavement using three 12 foot lanes.
8. Shift southbound Old Middlefield Way on-ramp "OMSN" line traffic onto newly constructed pavement.
9. Shift southbound mainline traffic onto newly constructed pavement.

10. Shift southbound Shoreline Boulevard off-ramp "SHSF" line traffic onto newly constructed pavement.

Stage 4 – Construction

1. Construct permanent freeway median between "C" 39+90 and "C" 215+00.
2. Remove temporary pavement from the northbound Oregon Expressway off-ramp "ONF" line and construct remaining permanent portion.
3. Remove temporary pavement from the northbound San Antonio Road on-ramp "SANN" line and construct remaining portion of permanent ramp.
4. Construct HMA overlay for the southbound Rengstorff Avenue off-ramp between "RSF" 166+52 and "RSF" 167+00 and between "RSF" 169+00 and "RSF" 170+53 using night time closures at the start of Stage 4.
5. Remove temporary pavement from the southbound Rengstorff Avenue off-ramp "RSF" line and construct concrete median between "RSN" and "RSF" line during night time closure.
6. Remove temporary pavement from the northbound San Antonio Road off-ramp "SANF" line.
7. Remove temporary pavement from the southbound Shoreline Boulevard off-ramp "SHSF" line and construct remaining portion of the permanent ramp.
8. Remove temporary pavement from the southbound Old Middlefield Way on-ramp "OMSN" line and construct remaining portion of the permanent ramp.

Stage 5 – Traffic

1. Maintain all traffic using previous stage striping.

Stage 5 – Construction

1. Cold plane and construct HMA cross slope correction for northbound Route 101 between "C" 51+62 and "C" 211+24 through daily lane closures.
2. Construct HMA cross slope correction for southbound Route 101 between "C" 47+28 and "C" 215+00 through daily lane closures.

Stage 6 – Traffic

1. Shift all traffic to final striping.

Stage 6 – Construction

1. Place RHMA overlay for northbound Route 101 between "C" 51+62 and "C" 211+24 through daily lane closures.
2. Place RHMA overlay for southbound Route 101 between "C" 47+28 and "C" 215+00 through daily lane closures.

Temporary Traffic Control Devices

Traffic control during construction is proposed to be provided with temporary traffic control devices. There are two types of temporary traffic control devices:

Channelizing Devices: Cones, barricades and similar elements, and shorter lengths of portable barriers that may be used in one configuration for relatively short period of time; and

Portable Barriers: Conventional temporary barriers used generally for extended work areas, generally set in one place over a series of weeks.

It is assumed that channelizing devices will be used for temporary lane closures and portable barriers will be used for the closure of lane/shoulder for extended periods.

Damage Calculations for Late Lane Closure Pick-up

Based on the lane closure charts, liquidated damages for late lane closure pick-up were calculated. For liquidated damages analysis, the roadway segment between San Antonio Road and Embarcadero Road in the northbound direction was calculated. This section of the freeway in the northbound direction controls the determination of damages for late lane closure pick-up with a $14,657 delay cost per 10 minutes damage assessment.

The roadway segment between San Antonio Road and Embarcadero Road in the southbound direction was calculated. This section of the freeway in the southbound direction controls the determination of damages for late lane closure pick-up with a $3,526 delay cost per 10 minutes damage assessment. The detailed analyses for liquidated damages for late lane closure pick-up are attached in **Appendix E**.

Road User Delay Calculations for Temporary Lane Closures

Road user delay calculations for temporary lane closures for the following conditions as required by Caltrans were calculated:

- Condition 1: Monday, Tuesday, Wednesday, Thursday and Friday
- Condition 2: Saturday and Sunday

Detailed road user delay cost for temporary lane closures is attached in **Appendix F**. The road user delay cost for temporary lane closures is calculated to be approximately $2,800 for weekdays and $2,525 for weekends.

Appendix A
Traffic Volumes

NORTHBOUND MONDAY THRU THURSDAY

Dist	Cnty	Rte	Prefi	PM	Leg	Dir	Description	Year	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	24hr total
							MAINLINE BET ROUTE 85 AND SHORELINE/MLDFD		1,062	585	503	539	1,154	4,137	8,645	11,414	11,561	11,927	10,092	8,929	8,785	8,575	8,843	8,949	8,471	9,122	9,687	8,491	5,765	4,912	3,675	2,090	157,971
4	SCL	101		48.514	F	N	NB OFF TO SHLNE/MIDFD	2007	42	24	20	33	141	450	593	851	1,046	949	655	565	558	514	445	467	446	588	514	357	234	179	140	88	9,892
4	SCL	101		48.584	N	N	NB ON FR NB SHORELINE	2007	28	16	13	12	19	41	116	278	313	281	212	212	259	283	253	285	252	262	242	259	178	178	132	63	4,186
4	SCL	101		48.714	N	N	SEG NB ON FR SHORELINE	2007	37	14	10	17	22	50	87	140	148	124	138	224	251	260	231	223	259	327	336	276	176	133	74	60	3,612
4	SCL	101		48.824	F	N	SEG NB OFF TO MIDDLEFIELD	2007	50	26	22	28	45	119	310	645	677	516	422	383	429	376	423	512	618	935	848	504	294	258	178	87	8,702
4	SCL	101		48.864	N	N	NB ON FR SHORELINE BLVD.	2007	57	26	21	19	29	70	161	438	559	493	329	344	420	452	432	454	493	593	558	457	291	272	185	116	7,265
							MAINLINE BET SHORELINE/MLSFD AND RENGSTORFF		1,078	587	504	525	1,042	3,758	8,212	11,001	11,074	11,471	9,766	8,708	8,647	8,512	8,831	8,936	8,518	9,127	9,731	8,591	5,822	5,005	3,720	2,118	155,344
4	SCL	101		49.534	F	N	NB OFF TO N. RENGSTORFF	2007	3	3	2	8	16	166	150	149	327	545	261	140	141	163	183	66	58	68	60	56	20	19	20	5	2,627
4	SCL	101		49.674	F	N	NB OFF TO SB RENGSTORFF	2007	20	10	13	19	47	146	225	253	200	258	336	394	422	358	322	298	281	272	296	287	165	108	72	46	4,843
4	SCL	101		49.754	N	N	NB ON FR RENGSTORFF	2007	75	34	21	21	55	140	293	588	628	408	339	379	433	468	526	576	644	830	841	712	452	294	195	133	9,084
							MAINLINE BET RENGSTORFF AND SAN ANTONIO		1,130	608	510	519	1,034	3,586	8,130	11,187	11,174	11,076	9,509	8,553	8,518	8,461	8,852	9,148	8,824	9,618	10,216	8,960	6,089	5,173	3,824	2,200	156,957
4	SCL	101		50.134	F	N	NB OFF TO SAN ANTONIO	2007	44	26	21	24	75	354	554	673	680	607	550	556	576	563	512	545	483	446	439	507	326	265	163	105	9,088
4	SCL	101		50.332	N	N	NB ON FR NB SAN ANTONIO	2000	68	40	27	24	44	122	291	597	805	757	624	690	775	782	798	846	787	778	702	607	579	534	295	148	11717
4	SCL	101		50.404	N	N	NB ON FR SB SAN ANTONIO	2007	4	4	2	2	3	3	10	25	26	37	47	72	74	68	97	108	152	251	189	86	41	30	29	10	1,368
							MAINLINE BER SAN ANTONIO AND ORE/EMBRCDRO		1,157	627	519	521	1,005	3,357	7,877	11,136	11,325	11,263	9,631	8,759	8,791	8,748	9,235	9,558	9,279	10,200	10,668	9,146	6,383	5,472	3,985	2,253	160,954
4	SCL	101		51.764	F	N	NB OFF TO ORE\EMBRCDRO	2007	103	60	47	67	122	413	908	1,291	1,199	1,236	1,142	1,124	1,156	1,169	1,136	993	937	1,015	1,121	1,007	684	572	419	223	18,140
4	SCL	101		51.874	F	N	SEG NB OFF TO ORE EXPWY	2007	45	27	17	28	52	191	364	501	490	477	464	466	444	483	439	387	359	426	462	451	307	243	177	102	7,399
4	SCL	101		51.875	F	N	SEG NB OFF TO EMBARCADERO	2007	57	33	30	38	69	223	545	790	708	759	678	658	712	686	698	606	579	589	659	557	377	329	242	122	10,742
4	SCL	101		51.875	F	N	SEG NB OFF TO EMBARCADERO	2007	53	30	25	33	81	235	583	857	752	748	752	718	746	753	770	724	643	620	678	596	382	305	243	115	11,443
4	SCL	101		51.964	N	N	SEG NB ON FR ORE EXPWY	2007	94	47	28	27	43	115	254	585	1,022	832	699	730	781	844	1,026	1,115	1,024	1,000	902	737	533	457	289	168	13,344
4	SCL	101		52.054	F	N	SEG NB OFF TO WB EMBRCDRO	2007	65	29	17	19	23	72	232	437	476	420	412	439	430	447	445	467	442	368	406	480	384	243	199	140	7,091
4	SCL	101		52.055	F	N	SEG NB OFF TO EB EMBRCDR	2007	27	17	13	20	30	87	199	435	570	535	455	431	487	495	469	500	432	404	310	233	180	148	102	64	6,641
4	SCL	101		52.274	N	N	SEG NB ON FR EB EMBRCDRO	2007	20	9	8	5	20	34	75	177	245	232	214	245	249	253	279	339	355	272	219	195	181	181	107	40	3,952
4	SCL	101		52.275	N	N	SEG NB ON FR WB EMBRCDRO	2007	9	4	7	3	8	13	32	93	85	98	96	145	156	185	188	197	281	279	192	129	64	64	23	19	2,369
4	SCL	101		52.344	N	N	NB ON FR ORE\EMBRCDRO	2007	95	49	36	30	52	132	326	666	1,048	866	745	756	803	846	1,048	1,291	1,517	1,451	1,081	781	629	579	334	192	15,351
							MAINLINE NORTH OF EMBARCADERO		1,150	616	508	485	936	3,076	7,295	10,511	11,174	10,894	9,234	8,391	8,438	8,425	9,147	9,856	9,859	10,636	10,628	8,920	6,329	5,479	3,900	2,222	158,164
4	SM	101		0.884	F	N	SEG NB OFF TO SB UNIVERSITY	2007	37	22	20	14	15	62	154	319	385	333	292	354	344	361	346	301	300	336	394	354	234	194	138	70	5,375

NORTHBOUND FRIDAY

Dist	Cnty	Rte	Prefi	PM	Leg	Dir	Description	Year	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	24hr total
							MAINLINE BET ROUTE 85 AND SHORELINE/MLDFD		1,221	685	570	558	1,170	3,922	7,680	10,831	10,369	10,368	10,048	9,033	8,661	8,339	8,185	9,119	8,948	9,539	10,092	10,424	6,948	6,284	5,514	3,736	162,244
4	SCL	101		48.514	F	N	NB OFF TO SHLNE/MIDFD	2007	45	40	23	39	127	444	601	809	1,041	849	649	542	535	551	481	450	437	589	490	361	269	238	197	110	9,917
4	SCL	101		48.584	N	N	NB ON FR NB SHORELINE	2007	39	28	18	15	14	41	121	242	344	302	243	225	280	345	296	296	240	275	247	275	217	232	222	203	4,760
4	SCL	101		48.714	N	N	SEG NB ON FR SHORELINE	2007	35	26	9	18	29	60	90	134	174	127	191	237	267	280	323	286	380	404	350	370	289	286	261	184	4,810
4	SCL	101		48.824	F	N	SEG NB OFF TO MIDDLEFIELD	2007	68	32	26	28	50	129	294	577	571	528	441	393	397	419	439	523	612	895	711	405	300	259	186	150	8,433
4	SCL	101		48.864	N	N	NB ON FR SHORELINE BLVD.	2007	63	33	25	30	25	68	160	392	543	388	342	362	447	534	507	479	443	533	496	471	330	409	343	332	7,755
							MAINLINE BET SHORELINE/MLSFD AND RENGSTORFF		1,239	678	572	549	1,068	3,546	7,239	10,414	9,871	9,907	9,741	8,853	8,573	8,322	8,211	9,148	8,954	9,483	10,098	10,534	7,009	6,455	5,660	3,958	160,082
4	SCL	101		49.534	F	N	NB OFF TO N. RENGSTORFF	2007	5	4	4	11	18	169	153	142	295	372	260	161	128	168	202	63	69	61	72	45	21	25	21	16	2,485
4	SCL	101		49.674	F	N	NB OFF TO SB RENGSTORFF	2007	23	19	17	23	50	130	211	271	236	324	359	405	434												2,502
4	SCL	101		49.754	N	N	NB ON FR RENGSTORFF	2007	80	38	33	21	55	135	300	604	608	416	294	395	412	457	577	590	661	788	778	554	345	251	244	146	8,782
							MAINLINE BET RENGSTORFF AND SAN ANTONIO		1,291	693	584	536	1,055	3,382	7,175	10,605	9,948	9,627	9,416	8,682	8,423	8,611	8,586	9,675	9,546	10,210	10,804	11,043	7,333	6,681	5,883	4,086	163,877
4	SCL	101		50.134	F	N	NB OFF TO SAN ANTONIO	2007	46	30	36	26	72	348	546	658	659	450	570	521	596	601	594	518	549	502	524	553	330	258	202	158	9,347
4	SCL	101		50.332	N	N	NB ON FR NB SAN ANTONIO	2000	61	54	31	28	53	125	289	524	861	750	709	738	836	855	882	887	842	781	681	641	507	470	364	193	12,182
4	SCL	101		50.404	N	N	NB ON FR SB SAN ANTONIO	2007	1	1	2	3		2	5	20	25	40	30	56	78	67	114	96	179	195	138	55	25	28	24	24	1,208
							MAINLINE BER SAN ANTONIO AND ORE/EMBRCDRO		1,327	718	581	541	1,036	3,161	6,923	10,491	10,175	9,967	9,585	8,955	8,741	8,932	8,988	10,140	10,018	10,684	11,099	11,186	7,535	6,921	6,069	4,147	167,920
4	SCL	101		51.764	F	N	NB OFF TO ORE\EMBRCDRO	2007	129	59	56	64	122	422	869	1,196	1,212	1,126	1,237	1,327	1,264	1,235	1,248	1,115	998	1,056	1,145	1,033	698	638	503	363	19,115
4	SCL	101		51.874	F	N	SEG NB OFF TO ORE EXPWY	2007	60	25	13	31	53	186	360	436	477	380	502	495	438	497	500	419	378	436	476	410	296	279	198	167	7,512
4	SCL	101		51.875	F	N	SEG NB OFF TO EMBARCADERO	2007	69	34	43	33	69	236	509	760	735	746	735	832	826	738	748	696	620	620	669	623	402	359	305	196	11,603
4	SCL	101		51.964	N	N	SEG NB ON FR ORE EXPWY	2007	92	60	35	24	56	116	259	556	1,026	892	718	790	864	911	1,046	1,210	1,081	960	874	692	530	448	354	208	13,802
4	SCL	101		52.054	F	N	SEG NB OFF TO WB EMBRCDRO	2007	93	36	28	20	21	45	157	394	528	416	433	502	528	444	461	455	391	405	491	411	251	223	204	126	7,063
4	SCL	101		52.055	F	N	SEG NB OFF TO EB EMBRCDR	2007	44	23	11	22	40	82	197	466	533	509	481	541	496	510	494	414	417	391	311	273	209	172	129	91	6,856
4	SCL	101		52.274	N	N	SEG NB ON FR EB EMBRCDRO	2007	22	15	11	6	17	44	85	171	277	245	243	264	257	258	293	370	317	303	234	204	162	172	112	59	4,141
4	SCL	101		52.275	N	N	SEG NB ON FR WB EMBRCDRO	2007	8	13	6	7	9	18	30	103	100	105	128	148	159	179	177	254	269	173	116	63	35	15	18	8	2,141
4	SCL	101		52.344	N	N	NB ON FR ORE\EMBRCDRO	2007	111	72	45	32	66	133	335	630	1,100	694	803	867	862	1,051	1,190	1,180	1,114	895	792	601	516	304	203	102	13,698
							MAINLINE NORTH OF EMBARCADERO		1,309	731	570	509	980	2,872	6,389	9,925	10,063	9,535	9,151	8,495	8,339	8,748	8,930	10,205	10,134	10,523	10,746	10,754	7,353	6,587	5,769	3,886	162,503
4	SM	101		0.884	F	N	SEG NB OFF TO SB UNIVERSITY	2007	46	25	22	19	23	65	134	252	339	330	347	368	377	397	313	305	295	345	432	386	303	238	211	161	5,733

NORTHBOUND WEEKEND

Dist	Cnty	Rte	Prefi	PM	Leg	Dir	Description	Year	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	24hr total
							MAINLINE BET ROUTE 85 AND SHORELINE/MLDFD		2,264	1,394	1,168	719	849	1,358	2,041	2,823	4,527	6,342	7,346	8,373	8,675	9,102	8,738	8,642	8,513	8,659	8,008	7,016	5,405	5,135	4,218	2,865	124,176
4	SCL	101		48.514	F	N	NB OFF TO SHLNE/MIDFD	2007	74	58	36	23	53	77	74	136	166	223	283	279	304	329	328	334	343	285	284	288	185	193	154	99	4,603
4	SCL	101		48.584	N	N	NB ON FR NB SHORELINE	2007	112	63	51	28	18	31	53	67	115	175	177	203	226	266	243	204	212	202	195	172	151	152	133	88	3,332
4	SCL	101		48.714	N	N	SEG NB ON FR SHORELINE	2007	174	44	12	13	17	20	30	55	72	105	129	141	193	170	165	199	229	183	219	157	166	195	159	167	3,028
4	SCL	101		48.824	F	N	SEG NB OFF TO MIDDLEFIELD	2007	99	70	48	30	31	40	80	142	205	267	321	312	346	378	388	356	381	373	300	258	223	206	178	106	5,132
4	SCL	101		48.864	N	N	NB ON FR SHORELINE BLVD.	2007	200	78	57	29	21	39	60	88	138	213	235	293	323	377	359	337	383	348	353	283	220	278	211	171	5,089
							MAINLINE BET SHORELINE/MLSFD AND RENGSTORFF		2,390	1,414	1,189	725	817	1,320	2,027	2,775	4,499	6,332	7,298	8,387	8,694	9,150	8,769	8,645	8,552	8,722	8,077	7,011	5,440	5,220	4,275	2,937	124,662
4	SCL	101		49.534	F	N	NB OFF TO N. RENGSTORFF	2007	12	5	5	1	3	14	12	12	19	29	44	45	41	37	43	50	37	29	30	26	14	16	19	12	550
4	SCL	101		49.674	F	N	NB OFF TO SB RENGSTORFF	2007	67	40	25	24	29	42	78	109	271	312	459	459	389	385	389	365	369	371	226	159	135	100	70	59	4,926
4	SCL	101		49.754	N	N	NB ON FR RENGSTORFF	2007	107	79	46	25	31	43	72	119	189	226	336	303	405	426	402	365	347	369	310	249	197	181	144	97	5,064
							MAINLINE BET RENGSTORFF AND SAN ANTONIO		2,418	1,448	1,205	725	817	1,307	2,009	2,773	4,399	6,216	7,132	8,187	8,669	9,154	8,740	8,596	8,493	8,691	8,132	7,075	5,488	5,286	4,331	2,963	124,250
4	SCL	101		50.134	F	N	NB OFF TO SAN ANTONIO	2007	95	52	32	23	28	93	90	163	299	384	441	430	450	474	486	489	465	435	369	304	219	231	153	120	6,317
4	SCL	101		50.332	N	N	NB ON FR NB SAN ANTONIO	2000	134	84	74	38	37	48	76	179	267	392	513	639	729	770	776	777	723	792	679	478	411	371	270	174	9424
4	SCL	101		50.404	N	N	NB ON FR SB SAN ANTONIO	2007	7	15	2	3	1	2	3	5	5	18	20	26	44	30	43	31	33	25	22	11	11	13	5	3	368
							MAINLINE BER SAN ANTONIO AND ORE/EMBRCDRO		2,464	1,495	1,249	742	827	1,263	1,997	2,794	4,372	6,243	7,224	8,422	8,991	9,479	9,073	8,914	8,784	9,073	8,464	7,259	5,690	5,439	4,452	3,020	127,725
4	SCL	101		51.764	F	N	NB OFF TO ORE\EMBRCDRO	2007	211	129	98	59	64	144	284	367	486	752	841	954	968	1,037	1,015	966	944	845	811	632	464	497	383	246	13,193
4	SCL	101		51.874	F	N	SEG NB OFF TO ORE EXPWY	2007	86	49	23	28	31	61	72	122	168	304	292	302	316	366	355	344	352	312	292	259	189	199	146	103	4,763
4	SCL	101		51.875	F	N	SEG NB OFF TO EMBARCADERO	2007	126	80	76	32	34	83	213	245	318	448	550	652	653	672	661	622	592	533	519	373	275	299	237	143	8,430
4	SCL	101		51.964	N	N	SEG NB ON FR ORE EXPWY	2007	120	70	42	29	44	56	95	185	328	447	593	651	678	663	663	667	676	615	483	469	398	331	232	125	8,654
4	SCL	101		52.054	F	N	SEG NB OFF TO WB EMBRCDRO	2007	81	52	51	22	20	53	117	182	196	237	321	361	424	396	388	443	388	357	336	281	190	175	181	124	5,343
4	SCL	101		52.055	F	N	SEG NB OFF TO EB EMBRCDR	2007	50	35	40	20	13	21	61	97	158	249	333	351	374	401	381	355	325	304	255	191	145	139	109	67	4,467
4	SCL	101		52.274	N	N	SEG NB ON FR EB EMBRCDRO	2007	40	13	15	8	15	15	26	74	107	140	192	217	230	207	249	280	291	228	218	168	129	135	98	48	3,137
4	SCL	101		52.275	N	N	SEG NB ON FR WB EMBRCDRO	2007	9	6	7	3	8	7	12	13	36	60	65	66	89	103	104	98	101	81	65	55	42	38	25	10	1,098
4	SCL	101		52.344	N	N	NB ON FR ORE\EMBRCDRO	2007	145	84	54	28	38	69	111	213	349	477	580	655	753	733	831	756	802	788	575	492	392	387	280	200	9,787
							MAINLINE NORTH OF EMBARCADERO		2,398	1,450	1,205	711	800	1,188	1,824	2,641	4,235	5,968	6,963	8,123	8,776	9,174	8,889	8,705	8,642	9,017	8,228	7,119	5,618	5,328	4,349	2,974	124,319
4	SM	101		0.884	F	N	SEG NB OFF TO SB UNIVERSITY	2007	77	42	39	26	16	24	69	80	139	196	208	276	314	302	311	309	303	310	298	243	200	197	136	111	4,219

SOUTHBOUND MONDAY - THURSDAY

Dist	Cnty	Rte	PM	Leg	Dir	Description	Year	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	24hr total
						MAINLINE BET MOFFETT BLVD AND SHORELINE/MIDDLEFIELD RD		840	512	472	290	487	1,494	3,605	5,681	6,375	6,562	5,142	5,004	5,039	5,268	5,463	5,514	5,708	5,828	5,320	4,479	3,392	2,990	2,312	1,540	83,215
4	SCL	101	48.461	N	S	SB ON FR NB SHORELINE	2000	83	43	17	17	13	30	76	155	413	534	404	305	309	393	407	420	403	437	570	412	337	243	184	137	6,339
4	SCL	101	48.691	F	S	SB OFF TO SB SHORELINE	2007	50	23	19	18	41	120	251	437	491	528	509	524	508	462	424	401	405	476	537	429	267	225	171	87	7,402
4	SCL	101	48.881	N	S	SB ON FR MIDDLEFIELD RD.	2007	59	38	39	18	21	71	112	197	296	339	357	509	625	580	774	669	871	1,321	1,072	702	446	300	195	205	9,814
						MAINLINE BET SHORELINE/MIDDLEFIELD RD AND RENGSTORFF/CHARLESTON		749	455	436	273	495	1,513	3,668	5,766	6,158	6,217	4,891	4,714	4,613	4,757	4,706	4,826	4,840	4,545	4,215	3,793	2,876	2,672	2,104	1,285	74,465
4	SCL	101	49.501	N	S	SB ON FR N.RENGSTORFF	2007	77	36	19	22	38	95	238	572	1,023	825	656	734	804	821	942	954	1,078	1,058	880	665	515	397	238	140	12,823
4	SCL	101	49.581	F	S	SB OFF TO RENGSTORFF	2007	62	29	15	16	34	181	281	556	749	842	508	463	490	437	432	406	370	380	410	378	235	190	143	97	7,699
4	SCL	101	49.661	N	S	SB ON FR CHARLESTON	2007	44	26	20	27	92	221	504	922	795	673	720	803	805	949	910	1,033	1,096	890	657	480	383	249	133	87	12,518
						MAINLINE BET RENGSTORFF/CHARLESTON AND SAN ANTONIO		689	422	412	240	398	1,379	3,208	4,829	5,089	5,561	4,023	3,639	3,494	3,424	3,286	3,245	3,036	2,976	3,088	3,026	2,213	2,216	1,875	1,154	56,823
4	SCL	101	50.271	F	S	SB OFF TO NB SAN ANTONIO	2007	3	1	3	3	2	27	61	162	225	198	122	79	83	83	80	60	39	36	38	26	20	9	10	6	1,370
4	SCL	101	50.401	F	S	SB OFF TO SB SAN ANTONIO	2007	61	36	33	39	78	185	414	748	804	807	715	732	753	697	707	741	740	838	787	623	420	312	229	132	11,629
						MAINLINE BET SAN ANTONIO AND OREGON/EMBARCADERO		753	459	448	282	479	1,590	3,683	5,739	6,118	6,565	4,859	4,449	4,331	4,204	4,073	4,046	3,815	3,850	3,912	3,674	2,652	2,536	2,113	1,293	69,822
4	SCL	101	51.891	N	S	SB ON FR ORE/EMBARCADERO	2007	140	93	65	39	72	229	516	1,199	1,745	1,442	1,139	1,203	1,302	1,361	1,434	1,432	1,484	1,481	1,207	1,085	789	771	493	335	21,054
4	SCL	101	51.951	N	S	SEG SB ON FR EB ORE EXPWY	2007	64	31	28	18	29	74	159	399	857	687	494	486	492	528	593	547	579	598	500	404	311	325	222	136	8,558
4	SCL	101	51.952	N	S	SEG SB ON FR EMBRCDRO	2007	76	62	37	21	43	155	357	800	886	756	645	717	810	833	842	885	905	883	708	681	478	446	271	199	12,496
4	SCL	101	52.001	N	S	SEG SB ON FR WB EMBRCDRO	2007	24	11	15	10	20	87	179	282	323	237	224	278	341	329	322	347	387	389	317	275	183	146	80	47	4,849
4	SCL	101	52.002	N	S	SB ON FR EB EMBRCDRO	2007	52	52	23	12	23	69	178	518	565	519	420	440	470	505	520	538	518	494	391	406	295	300	192	151	7,647
4	SCL	101	52.061	F	S	SEG SB OFF TO ORE.EXPWY.	2007	74	42	17	22	80	332	676	1,076	1,186	1,008	794	752	763	690	682	705	722	861	763	568	383	306	246	153	12,900
4	SCL	101	52.131	N	S	SB 101&ORE EXP FR WB EXP	2007	30	14	15	12	37	116	249	468	604	402	391	487	547	517	485	530	575	594	472	367	244	187	94	60	7,493
4	SCL	101	52.291	F	S	SEG SB OFF TO EB EMBRCDR	2007	5	4	11	12	12	40	154	246	259	235	196	188	174	173	162	146	103	83	68	46	33	30	17	12	2,405
4	SCL	101	52.292	F	S	SEG SB OFF TO WB EMBRCDRO	2007	37	15	9	8	16	78	220	393	295	338	372	379	367	391	367	363	283	280	348	237	170	127	114	62	5,266
4	SCL	101	52.401	F	S	SB OFF TO ORE/EMBRCDRO	2007	148	70	42	65	131	592	1,331	2,088	1,953	1,911	1,488	1,384	1,361	1,312	1,340	1,275	1,148	1,254	1,326	944	681	534	437	276	23,089
						MAINLINE NORTH OF OREGON/ EMBARCADERO		761	436	424	308	538	1,953	4,498	6,628	6,326	7,034	5,209	4,630	4,390	4,156	3,978	3,889	3,479	3,623	4,031	3,534	2,545	2,299	2,057	1,234	71,857

SOUTHBOUND FRIDAY

Dist	Cnty	Rte	PM	Leg	Dir	Description	Year	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	24hr total
						MAINLINE BET MOFFETT BLVD AND SHORELINE/MIDDLEFIELD RD		1,080	624	501	329	540	1,485	3,368	5,496	6,222	6,121	5,257	5,302	5,471	5,473	5,805	5,579	5,665	5,662	5,574	4,858	3,640	3,212	3,131	2,708	93,103
4	SCL	101	48.461	N	S	SB ON FR NB SHORELINE	2000	152	45	31	26	17	31	79	147	414	528	367	326	352	408	455	431	475	487	547	422	380	258	188	190	6,756
4	SCL	101	48.691	F	S	SB OFF TO SB SHORELINE	2007	63	41	26	25	31	121	235	485	506	517	514	529	582	489	486	466	438	463	551	504	325	299	329	166	8,191
4	SCL	101	48.881	N	S	SB ON FR MIDDLEFIELD RD.	2007	79	47	46	24	28	67	89	213	345	350	422	558	662	654	855	798	928	1,265	1,015	559	417	245	211	319	10,196
						MAINLINE BET SHORELINE/MIDDLEFIELD RD AND RENGSTORFF/CHARLESTON		912	573	450	304	526	1,508	3,435	5,621	5,969	5,760	4,982	4,947	5,039	4,900	4,981	4,816	4,700	4,373	4,563	4,381	3,168	3,008	3,061	2,365	84,342
4	SCL	101	49.501	N	S	SB ON FR N.RENGSTORFF	2007	95	51	19	22	29	78	239	474	949	789	656	794	823	908	1,007	1,040	1,071	1,026	872	678	469	402	319	218	13,028
4	SCL	101	49.581	F	S	SB OFF TO RENGSTORFF	2007	76	32	14	19	34	160	219	522	797	784	539	588	489	508	459	438	467	392	438	369	262	235	213	145	8,199
4	SCL	101	49.661	N	S	SB ON FR CHARLESTON	2007	60	50	19	9	30	3	2	9	16		831	890	914	1,054	1,016	1,102	1,162	916	731	503	429	410	192	123	10,471
						MAINLINE BET RENGSTORFF/CHARLESTON AND SAN ANTONIO		833	504	426	292	501	1,587	3,413	5,660	5,801	5,755	4,034	3,851	3,791	3,446	3,417	3,112	2,934	2,823	3,398	3,569	2,532	2,431	2,763	2,169	69,042
4	SCL	101	50.271	F	S	SB OFF TO NB SAN ANTONIO	2007	1	3	12	2	5	25	66	125	206	167	121	63	74	81	78	49	37	28	30	48	14	15	13	6	1,269
4	SCL	101	50.401	F	S	SB OFF TO SB SAN ANTONIO	2007	72	49	40	47	80	165	423	759	778	803	758	748	775	791	795	763	744	776	841	719	419	335	270	176	12,126
						MAINLINE BET SAN ANTONIO AND OREGON/EMBARCADERO		906	556	478	341	586	1,777	3,902	6,544	6,785	6,725	4,913	4,662	4,640	4,318	4,290	3,924	3,715	3,627	4,269	4,336	2,965	2,781	3,046	2,351	82,437
4	SCL	101	51.891	N	S	SB ON FR ORE/EMBARCADERO	2007	162	130	90	43	79	241	519	1,471	2,600	1,805	1,258	1,340	1,409	1,470	1,498	1,652	1,599	1,823	1,276	1,155	877	825	678	464	24,464
4	SCL	101	51.951	N	S	SEG SB ON FR EB ORE EXPWY	2007	84	47	41	23	36	76	195	670	1,626	1,056	571	543	548	570	594	624	497	761	468	429	318	312	300	173	10,562
4	SCL	101	51.952	N	S	SEG SB ON FR EMBRCDRO	2007	86	87	50	29	39	164	317	694	795	756	687	797	861	900	904	1,028	1,102	1,062	808	726	559	513	378	291	13,633
4	SCL	101	52.001	N	S	SEG SB ON FR WB EMBRCDRO	2007	25	13	24	17	20	98	145	251	289	227	252	304	326	385	336	346	476	452	321	269	208	183	115	99	5,181
4	SCL	101	52.002	N	S	SB ON FR EB EMBRCDRO	2007	61	74	26	12	19	66	172	443	506	529	435	493	535	515	568	682	626	610	487	457	351	330	263	192	8,452
4	SCL	101	52.061	F	S	SEG SB OFF TO ORE.EXPWY.	2007	81	41	25	21	55	218	579	917	1,174	922	819	766	805	809	722	767	780	817	724	576	350	275	291	198	12,732
4	SCL	101	52.131	N	S	SB 101&ORE EXP FR WB EXP	2007	35	38	29	21	38	134	199	389	517	360	387	520	543	610	535	554	535	555	456	379	272	218	132	115	7,571
4	SCL	101	52.291	F	S	SEG SB OFF TO EB EMBRCDR	2007	3	4	16	13	9	30	123	234	259	236	214	205	195	195	161	143	117	85	78	49	38	17	17	14	2,455
4	SCL	101	52.292	F	S	SEG SB OFF TO WB EMBRCDRO	2007	23	27	11	10	13	84	217	424	351	437	349	445	415	415	374	367	282	317	334	285	186	146	137	92	5,741
4	SCL	101	52.401	F	S	SB OFF TO ORE/EMBRCDRO	2007	136	97	63	71	123	598	1,343	2,113	2,020	1,977	1,499	1,667	1,538	1,472	1,453	1,448	1,264	1,435	1,356	1,059	756	572	573	430	25,063
						MAINLINE NORTH OF OREGON/ EMBARCADERO		880	523	451	369	630	2,134	4,726	7,186	6,205	6,897	5,154	4,989	4,769	4,320	4,245	3,720	3,380	3,239	4,349	4,240	2,844	2,528	2,941	2,317	83,036

SOUTHBOUND WEEKEND

Dist	Cnty	Rte	PM	Leg	Dir	Description	Year	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	24hr total
						MAINLINE BET MOFFETT BLVD AND SHORELINE/MIDDLEFIELD RD		1,449	959	795	528	422	629	1,019	1,723	2,300	3,214	3,851	4,160	4,467	4,459	4,442	4,250	4,303	4,448	4,143	3,421	2,864	2,705	2,414	1,893	64,852
4	SCL	101	48.461	N	S	SB ON FR NB SHORELINE	2000	95	43	21	20	14	8	15	39	96	127	181	244	262	326	353	286	291	293	272	246	211	166	154	126	3885
4	SCL	101	48.691	F	S	SB OFF TO SB SHORELINE	2007	92	64	51	27	22	27	55	90	143	218	326	364	381	434	378	346	424	357	368	369	253	242	192	120	5,337
4	SCL	101	48.881	N	S	SB ON FR MIDDLEFIELD RD.	2007	66	57	39	26	21	31	51	81	134	191	350	390	489	546	514	532	461	427	396	293	179	149	134	83	5,634
						MAINLINE BET SHORELINE/MIDDLEFIELD RD AND RENGSTORFF/CHARLESTON		1,380	923	786	509	409	617	1,008	1,694	2,213	3,114	3,646	3,890	4,097	4,021	3,953	3,778	3,975	4,085	3,844	3,251	2,728	2,632	2,318	1,804	60,671
4	SCL	101	49.501	N	S	SB ON FR N.RENGSTORFF	2007	125	70	34	16	24	42	86	147	248	368	565	626	706	735	742	665	676	619	553	426	263	296	224	129	8,378
4	SCL	101	49.581	F	S	SB OFF TO RENGSTORFF	2007	96	61	50	25	23	37	50	108	195	246	362	409	401	414	423	408	445	414	291	242	206	187	159	110	5,355
4	SCL	101	49.661	N	S	SB ON FR CHARLESTON	2007	64	39	22	22	55	98	167	265	397	547	647	821	791	788	733	724	735	595	400	341	270	196	124	74	8,909
						MAINLINE BET RENGSTORFF/CHARLESTON AND SAN ANTONIO		1,287	875	780	496	353	514	806	1,389	1,764	2,445	2,796	2,853	3,002	2,913	2,901	2,797	3,010	3,285	3,182	2,726	2,401	2,327	2,130	1,711	48,739
4	SCL	101	50.271	F	S	SB OFF TO NB SAN ANTONIO	2007	6	1	3	1	0	2	10	14	19	33	34	38	37	37	30	35	24	25	25	15	14	5	10	6	419
4	SCL	101	50.401	F	S	SB OFF TO SB SAN ANTONIO	2007	131	59	61	44	51	68	122	246	525	546	765	787	813	874	780	721	667	750	585	452	379	268	225	167	10,081
						MAINLINE BET SAN ANTONIO AND OREGON/EMBARCADERO		1,423	935	843	541	404	584	937	1,648	2,308	3,024	3,595	3,677	3,852	3,823	3,711	3,553	3,700	4,060	3,792	3,193	2,794	2,600	2,364	1,884	59,239
4	SCL	101	51.891	N	S	SB ON FR ORE/EMBARCADERO	2007	251	156	102	63	61	99	170	411	614	816	1,022	1,069	1,086	1,171	1,114	1,131	1,130	1,107	1,197	927	716	585	480	314	15,787
4	SCL	101	51.951	N	S	SEG SB ON FR EB ORE EXPWY	2007	117	93	62	29	28	52	67	158	264	366	438	433	402	440	380	370	403	396	507	377	311	271	201	133	6,291
4	SCL	101	51.952	N	S	SEG SB ON FR EMBRCDRO	2007	134	63	40	34	33	47	104	253	351	451	584	636	685	731	734	762	728	711	690	551	405	314	279	181	9,496
4	SCL	101	52.001	N	S	SEG SB ON FR WB EMBRCDRO	2007	37	17	16	16	12	23	39	93	149	193	253	230	291	310	291	267	262	273	250	196	167	128	99	46	3,651
4	SCL	101	52.002	N	S	SB ON FR EB EMBRCDRO	2007	97	47	25	18	21	25	65	160	202	258	331	407	394	421	443	495	466	438	440	355	239	187	180	136	5,845
4	SCL	101	52.061	F	S	SEG SB OFF TO ORE.EXPWY.	2007	125	88	55	34	36	68	113	206	381	433	489	545	596	541	546	557	551	501	427	366	302	283	253	178	7,668
4	SCL	101	52.131	N	S	SB 101&ORE EXP FR WB EXP	2007	44	22	22	17	14	34	53	107	212	269	382	362	435	438	420	390	390	379	325	257	203	160	113	55	5,097
4	SCL	101	52.291	F	S	SEG SB OFF TO EB EMBRCDR	2007	9	6	9	7	3	10	42	87	71	101	122	111	118	101	98	103	77	72	66	40	29	19	20	13	1,327
4	SCL	101	52.292	F	S	SEG SB OFF TO WB EMBRCDRO	2007	60	31	31	16	20	28	39	104	209	271	286	380	399	447	319	326	347	319	263	217	160	140	124	79	4,609
4	SCL	101	52.401	F	S	SB OFF TO ORE/EMBRCDRO	2007	269	131	114	79	84	152	283	567	783	1,005	1,043	1,194	1,199	1,225	1,109	1,156	1,194	1,142	959	805	654	568	494	370	16,574
						MAINLINE NORTH OF OREGON/ EMBARCADERO		1,441	910	855	556	427	637	1,049	1,804	2,477	3,212	3,617	3,803	3,964	3,877	3,707	3,578	3,764	4,095	3,554	3,070	2,732	2,583	2,379	1,940	60,026

NORTHBOUND MONDAY THRU THURSDAY

Dist	Cnty	Rte	Prefi	PM	Leg	Dir	Description	Year	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	24hr total
							MAINLINE BET ROUTE 85 AND SHORELINE/MLDFD		1,329	752	618	680	1,422	4,959	10,521	14,624	14,986	14,941	12,723	11,562	11,551	11,368	11,880	12,137	11,652	12,262	12,674	10,990	7,489	6,273	4,624	2,624	204,703
4	SCL	101		48.514	F	N	NB OFF TO SHLNE/MIDFD	2013	44	25	21	35	150	477	629	903	1,110	1,007	695	600	592	545	472	495	473	624	546	379	248	190	148	94	10,501
4	SCL	101		48.584	N	N	NB ON FR NB SHORELINE	2013	30	17	14	13	21	44	123	295	332	298	225	225	275	300	269	302	268	278	257	275	189	189	140	66	4,444
4	SCL	101		48.714	N	N	SEG NB ON FR SHORELINE	2013	39	14	10	18	24	53	92	148	157	132	146	237	266	276	245	237	275	347	357	293	187	141	78	64	3,834
4	SCL	101		48.824	F	N	SEG NB OFF TO MIDDLEFIELD	2013	53	28	24	30	48	126	329	685	718	548	448	406	455	399	449	543	656	992	900	535	312	274	189	92	9,237
4	SCL	101		48.864	N	N	NB ON FR SHORELINE BLVD.	2013	61	28	22	20	31	75	170	465	593	523	349	365	446	479	458	482	523	629	592	485	309	289	196	123	7,712
							MAINLINE BET SHORELINE/MLSFD AND RENGSTORFF		1,346	754	619	665	1,304	4,556	10,062	14,185	14,469	14,456	12,378	11,327	11,404	11,302	11,866	12,124	11,702	12,267	12,721	11,097	7,549	6,371	4,672	2,654	201,914
4	SCL	101		49.534	F	N	NB OFF TO N. RENGSTORFF	2013	3	3	2	8	17	176	160	158	347	579	277	149	149	173	195	70	61	72	64	59	22	20	21	5	2,788
4	SCL	101		49.674	F	N	NB OFF TO SB RENGSTORFF	2013	22	10	14	20	50	155	239	268	213	273	357	418	448	380	341	316	298	289	315	304	175	114	76	49	5,141
4	SCL	101		49.754	N	N	NB ON FR RENGSTORFF	2013	80	36	23	22	58	149	311	624	666	433	360	402	460	497	558	612	683	881	893	756	480	312	207	141	9,642
							MAINLINE BET RENGSTORFF AND SAN ANTONIO		1,401	777	625	658	1,295	4,374	9,975	14,383	14,575	14,037	12,104	11,162	11,267	11,247	11,889	12,349	12,027	12,788	13,235	11,489	7,833	6,549	4,781	2,741	203,627
4	SCL	101		50.134	F	N	NB OFF TO SAN ANTONIO	2013	47	27	22	25	80	376	588	715	722	644	583	590	611	597	544	579	513	473	466	538	346	281	173	111	9,647
4	SCL	101		50.332	N	N	NB ON FR NB SAN ANTONIO	2013	77	46	31	27	50	139	331	680	916	861	711	785	882	890	908	963	895	885	799	690	659	607	336	169	13,335
4	SCL	101		50.404	N	N	NB ON FR SB SAN ANTONIO	2013	4	4	2	2	3	3	11	27	28	39	50	76	79	72	103	115	162	266	201	92	43	32	31	11	1,452
							MAINLINE BER SAN ANTONIO AND ORE/EMBRCDRO		1,435	800	636	662	1,268	4,140	9,729	14,375	14,798	14,294	12,282	11,434	11,616	11,612	12,356	12,848	12,571	13,466	13,768	11,732	8,190	6,907	4,975	2,809	208,766
	SCL	101		51.764	F	N	NB OFF TO ORE\EMBRCDRO	2013	109	64	50	71	129	439	964	1,370	1,272	1,312	1,212	1,193	1,227	1,241	1,206	1,054	995	1,078	1,190	1,069	726	607	445	237	19,256
4	SCL	101		51.874	F	N	SEG NB OFF TO ORE EXPWY	2013	48	29	18	30	56	202	386	532	521	506	492	495	471	512	466	410	381	453	490	478	325	258	188	108	7,854
	SCL	101		51.875	F	N	SEG NB OFF TO EMBARCADERO	2013	61	35	32	41	74	237	578	838	752	806	720	699	756	729	741	643	614	625	699	591	401	349	257	129	11,403
4	SCL	101		51.964	N	N	SEG NB ON FR ORE EXPWY	2013	99	49	29	28	45	122	269	621	1,084	884	742	774	829	895	1,089	1,183	1,087	1,061	957	782	565	485	306	179	14,165
4	SCL	101		52.054	F	N	SEG NB OFF TO WB EMBRCDRO	2013	69	31	18	21	24	77	246	464	505	445	438	466	456	474	472	496	469	391	431	510	408	258	211	149	7,527
4	SCL	101		52.055	F	N	SEG NB OFF TO EB EMBRCDR	2013	28	18	14	21	32	92	212	462	605	568	483	458	517	525	498	531	459	429	329	247	191	157	108	68	7,050
4	SCL	101		52.274	N	N	SEG NB ON FR EB EMBRCDRO	2013	21	9	9	5	22	36	80	188	260	247	228	260	264	269	296	360	377	289	233	207	192	192	113	43	4,195
4	SCL	101		52.275	N	N	SEG NB ON FR WB EMBRCDRO	2013	8	4	6	4	8	14	33	97	88	106	106	143	163	189	191	199	285	287	193	128	63	59	23	19	2,414
4	SCL	101		52.344	N	N	NB ON FR ORE\EMBRCDRO	2013	101	52	39	32	56	140	346	707	1,113	920	790	803	852	898	1,113	1,370	1,610	1,540	1,148	829	668	615	355	203	16,295
							MAINLINE NORTH OF EMBARCADERO		1,427	789	625	624	1,194	3,842	9,110	13,711	14,638	13,902	11,860	11,044	11,242	11,269	12,263	13,165	13,186	13,928	13,727	11,492	8,132	6,915	4,885	2,775	205,805
4	SM	101		0.884	F	N	SEG NB OFF TO SB UNIVERSITY	2013	39	23	21	15	15	66	163	338	409	354	310	376	366	383	368	320	318	357	418	375	248	206	146	74	5,706

NORTHBOUND FRIDAY

Dist	Cnty	Rte	Prefi	PM	Leg	Dir	Description	Year	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	24hr total
							MAINLINE BET ROUTE 85 AND SHORELINE/MLDFD		1,290	723	603	590	1,238	4,154	8,130	11,457	10,941	10,948	10,612	9,532	9,130	8,787	8,621	9,612	9,434	10,066	10,661	11,016	7,337	6,634	5,825	3,951	171,293
4	SCL	101		48.514	F	N	NB OFF TO SHLNE/MIDFD	2013	48	43	25	41	135	471	638	859	1,105	901	689	575	568	585	511	478	464	625	520	383	286	253	209	117	10,527
4	SCL	101		48.584	N	N	NB ON FR NB SHORELINE	2013	41	30	19	16	15	44	129	257	365	321	258	239	297	366	314	314	255	292	262	292	230	246	236	216	5,053
4	SCL	101		48.714	N	N	SEG NB ON FR SHORELINE	2013	37	28	10	19	31	64	96	142	185	135	203	252	284	297	343	304	403	429	372	393	307	304	277	195	5,106
4	SCL	101		48.824	F	N	SEG NB OFF TO MIDDLEFIELD	2013	72	34	28	30	53	137	312	613	606	561	468	417	422	445	466	555	650	950	755	430	319	275	198	159	8,952
4	SCL	101		48.864	N	N	NB ON FR SHORELINE BLVD.	2013	67	35	27	32	27	72	170	416	577	412	363	384	475	567	538	509	470	566	527	500	350	434	364	353	8,232
							MAINLINE BET SHORELINE/MLSFD AND RENGSTORFF		1,309	715	605	581	1,130	3,754	7,662	11,014	10,412	10,459	10,286	9,341	9,036	8,769	8,649	9,643	9,440	10,007	10,667	11,133	7,402	6,816	5,980	4,186	168,998
4	SCL	101		49.534	F	N	NB OFF TO N. RENGSTORFF	2013	5	4	4	12	19	179	163	151	313	395	276	171	136	178	215	67	73	65	77	48	22	27	22	17	2,638
4	SCL	101		49.674	F	N	NB OFF TO SB RENGSTORFF	2013	25	20	18	25	53	138	224	288	251	344	381	430	461	0	0	0	0	0	0	0	0	0	0	0	2,656
4	SCL	101		49.754	N	N	NB ON FR RENGSTORFF	2013	85	40	35	22	58	143	319	641	646	442	312	419	437	485	613	626	702	837	826	588	366	267	259	155	9,322
							MAINLINE BET RENGSTORFF AND SAN ANTONIO		1,364	731	617	567	1,116	3,580	7,594	11,217	10,494	10,162	9,941	9,160	8,877	9,075	9,047	10,202	10,069	10,778	11,416	11,673	7,746	7,056	6,217	4,324	173,026
4	SCL	101		50.134	F	N	NB OFF TO SAN ANTONIO	2013	49	32	38	28	77	370	580	699	700	478	605	553	633	638	631	550	583	533	556	587	350	274	215	168	9,922
4	SCL	101		50.332	N	N	NB ON FR NB SAN ANTONIO	2013	92	62	35	32	60	142	329	596	980	854	807	840	952	973	1,004	1,010	958	889	775	730	577	535	414	220	13,864
4	SCL	101		50.404	N	N	NB ON FR SB SAN ANTONIO	2013	1	1	2	3	0	2	5	21	27	43	32	60	83	71	121	102	190	207	147	58	27	30	26	26	1,282
							MAINLINE BER SAN ANTONIO AND ORE/EMBRCDRO		1,408	762	617	574	1,100	3,355	7,349	11,136	10,801	10,580	10,175	9,506	9,279	9,482	9,541	10,764	10,634	11,341	11,782	11,874	7,999	7,347	6,442	4,402	178,251
4	SCL	101		51.764	F	N	NB OFF TO ORE\EMBRCDRO	2013	137	63	60	68	130	448	923	1,270	1,287	1,195	1,313	1,409	1,342	1,311	1,325	1,184	1,059	1,121	1,216	1,097	741	677	534	385	20,291
4	SCL	101		51.874	F	N	SEG NB OFF TO ORE EXPWY	2013	64	27	14	33	56	198	382	463	506	403	533	526	465	528	531	445	401	463	505	435	314	296	210	177	7,974
4	SCL	101		51.875	F	N	SEG NB OFF TO EMBARCADERO	2013	73	36	46	35	73	251	540	807	780	792	780	883	877	784	794	739	658	658	710	661	427	381	324	208	12,317
4	SCL	101		51.964	N	N	SEG NB ON FR ORE EXPWY	2013	98	64	37	26	60	123	275	590	1,089	947	762	839	917	967	1,110	1,285	1,148	1,019	928	735	563	476	376	221	14,651
4	SCL	101		52.054	F	N	SEG NB OFF TO WB EMBRCDRO	2013	99	38	30	21	22	48	167	418	561	442	460	533	561	471	489	483	415	430	521	436	267	237	217	134	7,498
4	SCL	101		52.055	F	N	SEG NB OFF TO EB EMBRCDR	2013	47	25	12	23	43	87	209	495	566	540	511	574	527	541	524	440	443	415	330	290	222	183	137	97	7,278
4	SCL	101		52.274	N	N	SEG NB ON FR EB EMBRCDRO	2013	23	16	12	6	18	47	90	182	294	260	258	280	273	274	311	393	337	322	248	217	172	183	119	63	4,396
4	SCL	101		52.275	N	N	SEG NB ON FR WB EMBRCDRO	2013	9	14	6	8	10	19	32	109	106	112	136	157	169	190	188	270	286	184	123	67	37	16	19	9	2,273
4	SCL	101		52.344	N	N	NB ON FR ORE\EMBRCDRO	2013	118	77	48	34	70	141	356	669	1,168	737	853	920	915	1,116	1,263	1,253	1,183	950	841	638	548	323	216	108	14,541
							MAINLINE NORTH OF EMBARCADERO		1,389	776	605	540	1,040	3,049	6,782	10,535	10,682	10,121	9,714	9,018	8,852	9,286	9,479	10,833	10,757	11,170	11,407	11,415	7,806	6,992	6,124	4,125	172,500
4	SM	101		0.884	F	N	SEG NB OFF TO SB UNIVERSITY	2013	49	27	23	20	25	69	142	268	360	350	368	391	400	422	332	324	313	366	459	410	322	253	224	171	6,086

NORTHBOUND WEEKEND

Dist	Cnty	Rte	Prefi	PM	Leg	Dir	Description	Year	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	24hr total
							MAINLINE BET ROUTE 85 AND SHORELINE/MLDFD		2,393	1,473	1,234	760	898	1,438	2,160	2,982	4,784	6,702	7,759	8,838	9,153	9,603	9,216	9,114	8,981	9,131	8,448	7,411	5,706	5,422	4,457	3,028	131,094
4	SCL	101		48.514	F	N	NB OFF TO SHLNE/MIDFD	2013	79	62	38	24	56	81	78	144	176	237	301	296	323	349	348	354	364	303	301	306	196	204	163	105	4,886
4	SCL	101		48.584	N	N	NB ON FR NB SHORELINE	2013	119	66	54	30	19	32	56	71	122	185	188	216	239	282	258	216	225	215	207	182	160	161	141	93	3,537
4	SCL	101		48.714	N	N	SEG NB ON FR SHORELINE	2013	184	46	12	14	18	21	31	58	76	112	137	150	205	181	196	211	243	194	232	167	176	207	169	177	3,214
4	SCL	101		48.824	F	N	SEG NB OFF TO MIDDLEFIELD	2013	105	74	51	32	32	43	84	150	217	284	340	331	367	401	412	378	404	396	318	274	236	219	189	113	5,447
4	SCL	101		48.864	N	N	NB ON FR SHORELINE BLVD.	2013	212	83	61	30	22	41	63	94	147	226	250	311	342	400	381	357	406	369	375	301	233	295	224	182	5,402
							MAINLINE BET SHORELINE/MLSFD AND RENGSTORFF		2,526	1,494	1,256	766	864	1,398	2,145	2,931	4,755	6,691	7,708	8,854	9,172	9,653	9,249	9,117	9,023	9,197	8,522	7,405	5,743	5,512	4,517	3,104	131,610
4	SCL	101		49.534	F	N	NB OFF TO N. RENGSTORFF	2013	12	5	5	1	3	15	13	13	20	31	46	48	44	39	46	53	39	31	31	27	15	17	20	13	584
4	SCL	101		49.674	F	N	NB OFF TO SB RENGSTORFF	2013	71	42	27	26	30	45	83	115	287	331	487	487	413	408	413	387	392	393	240	169	143	106	74	63	5,229
4	SCL	101		49.754	N	N	NB ON FR RENGSTORFF	2013	114	83	49	27	32	45	77	126	201	239	357	322	429	452	427	388	368	391	329	264	209	192	153	103	5,376
							MAINLINE BET RENGSTORFF AND SAN ANTONIO		2,556	1,531	1,273	766	864	1,383	2,126	2,930	4,649	6,568	7,531	8,641	9,146	9,657	9,217	9,065	8,960	9,165	8,580	7,473	5,794	5,582	4,577	3,132	131,172
4	SCL	101		50.134	F	N	NB OFF TO SAN ANTONIO	2013	100	55	34	25	30	99	95	173	317	407	468	456	478	503	515	519	493	461	391	322	233	245	163	127	6,706
4	SCL	101		50.332	N	N	NB ON FR NB SAN ANTONIO	2013	152	95	84	43	42	55	86	203	304	446	583	727	830	876	883	884	822	901	772	544	467	422	307	198	10,725
4	SCL	101		50.404	N	N	NB ON FR SB SAN ANTONIO	2013	8	15	2	3	1	2	3	5	5	19	21	27	46	31	46	33	35	27	23	11	12	13	5	3	391
							MAINLINE BER SAN ANTONIO AND ORE/EMBRCDRO		2,615	1,587	1,326	787	877	1,341	2,120	2,966	4,641	6,626	7,668	8,939	9,544	10,061	9,630	9,462	9,324	9,631	8,984	7,706	6,040	5,773	4,726	3,206	135,582
4	SCL	101		51.764	F	N	NB OFF TO ORE\EMBRCDRO	2013	224	137	104	63	68	153	302	389	516	798	893	1,012	1,028	1,101	1,078	1,025	1,002	897	860	671	493	528	406	261	14,004
4	SCL	101		51.874	F	N	SEG NB OFF TO ORE EXPWY	2013	91	52	24	29	32	65	76	130	178	322	310	321	335	388	376	365	373	331	310	275	201	211	155	109	5,056
4	SCL	101		51.875	F	N	SEG NB OFF TO EMBARCADERO	2013	133	84	80	34	36	88	226	260	338	476	583	692	693	713	701	660	629	566	551	396	292	317	252	152	8,948
4	SCL	101		51.964	N	N	SEG NB ON FR ORE EXPWY	2013	127	74	45	31	46	59	100	196	348	475	629	691	719	704	704	708	717	652	513	497	423	351	246	133	9,186
4	SCL	101		52.054	F	N	SEG NB OFF TO WB EMBRCDRO	2013	86	55	54	23	21	56	124	193	208	251	340	383	450	420	411	470	412	379	356	298	201	185	192	131	5,672
4	SCL	101		52.055	F	N	SEG NB OFF TO EB EMBRCDR	2013	53	37	42	21	13	22	64	103	167	264	353	372	397	426	404	377	345	322	271	202	154	147	116	71	4,741
4	SCL	101		52.274	N	N	SEG NB ON FR EB EMBRCDRO	2013	43	13	16	9	15	15	28	79	113	149	203	230	244	220	264	297	308	242	231	178	137	143	104	51	3,330
4	SCL	101		52.275	N	N	SEG NB ON FR WB EMBRCDRO	2013	9	6	8	3	9	7	13	14	38	64	69	70	94	109	110	104	107	86	69	58	44	40	27	11	1,165
4	SCL	101		52.344	N	N	NB ON FR ORE\EMBRCDRO	2013	154	89	57	30	40	73	117	226	370	506	616	695	799	778	882	803	851	837	610	522	416	410	297	212	10,389
							MAINLINE NORTH OF EMBARCADERO		2,545	1,539	1,279	754	849	1,261	1,936	2,803	4,495	6,335	7,391	8,622	9,316	9,738	9,435	9,240	9,173	9,571	8,734	7,557	5,963	5,656	4,617	3,156	131,967
4	SM	101		0.884	F	N	SEG NB OFF TO SB UNIVERSITY	2013	82	45	41	27	17	25	73	85	147	208	220	293	333	320	330	328	322	329	316	258	212	209	144	117	4,479

SOUTHBOUND MONDAY - THURSDAY

Dist	Cnty	Rte	PM	Leg	Dir	Description	Year	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	24hr total
						MAINLINE BET MOFFETT BLVD AND SHORELINE/MIDDLEFIELD RD		955	583	537	330	553	1,695	4,082	6,434	7,212	7,427	5,827	5,675	5,712	5,976	6,206	6,272	6,493	6,626	6,050	5,093	3,855	3,400	2,630	1,751	94,427
4	SCL	101	48.461	N	S	SB ON FR NB SHORELINE	2013	94	49	19	19	14	35	86	176	470	608	460	347	352	448	463	478	458	497	649	469	383	276	210	156	7,214
4	SCL	101	48.691	F	S	SB OFF TO SB SHORELINE	2013	53	25	21	19	44	127	267	464	521	560	541	556	540	491	450	426	430	505	570	455	284	239	181	93	7,857
4	SCL	101	48.881	N	S	SB ON FR MIDDLEFIELD RD.	2013	62	40	41	19	22	75	119	209	314	360	379	541	664	615	822	710	924	1,403	1,138	746	474	318	207	217	10,417
						MAINLINE BET SHORELINE/MIDDLEFIELD RD AND RENGSTORFF/CHARLESTON		852	518	497	310	560	1,713	4,144	6,513	6,949	7,020	5,529	5,344	5,236	5,404	5,371	5,509	5,541	5,231	4,833	4,333	3,282	3,044	2,395	1,470	84,653
4	SCL	101	49.501	N	S	SB ON FR N.RENGSTORFF	2013	82	38	20	24	41	100	252	607	1,086	876	696	779	853	871	1,000	1,012	1,144	1,123	934	706	547	422	253	149	13,612
4	SCL	101	49.581	F	S	SB OFF TO RENGSTORFF	2013	66	31	16	17	36	192	298	590	795	893	539	491	520	464	458	431	393	403	435	401	249	202	152	103	8,173
4	SCL	101	49.661	N	S	SB ON FR CHARLESTON	2013	47	28	21	28	98	234	535	978	843	715	765	853	855	1,007	966	1,096	1,163	945	698	509	406	264	142	93	13,288
						MAINLINE BET RENGSTORFF/CHARLESTON AND SAN ANTONIO		789	483	472	276	458	1,570	3,655	5,518	5,815	6,323	4,607	4,203	4,048	3,989	3,864	3,831	3,626	3,565	3,637	3,519	2,578	2,559	2,152	1,332	65,926
4	SCL	101	50.271	F	S	SB OFF TO NB SAN ANTONIO	2013	3	2	3	3	2	28	65	172	238	210	130	83	88	88	85	64	41	38	40	28	21	9	10	6	1,455
4	SCL	101	50.401	F	S	SB OFF TO SB SAN ANTONIO	2013	65	39	35	41	83	196	440	794	854	856	759	777	800	740	751	786	786	890	836	661	445	331	243	140	12,345
						MAINLINE BET SAN ANTONIO AND OREGON/EMBARCADERO		857	523	510	320	543	1,795	4,160	6,484	6,907	7,389	5,496	5,063	4,936	4,818	4,699	4,681	4,453	4,492	4,512	4,208	3,045	2,899	2,405	1,478	79,725
4	SCL	101	51.891	N	S	SB ON FR ORE/EMBARCADERO	2013	149	99	69	41	76	243	548	1,272	1,853	1,531	1,209	1,277	1,382	1,445	1,523	1,520	1,575	1,572	1,282	1,152	837	819	524	355	22,349
4	SCL	101	51.951	N	S	SEG SB ON FR EB ORE EXPWY	2013	68	33	30	19	31	78	169	423	910	729	524	516	522	560	629	580	615	635	530	428	330	345	236	145	9,084
4	SCL	101	51.952	N	S	SEG SB ON FR EMBRCDRO	2013	81	66	40	23	45	165	379	849	943	802	684	761	860	885	893	940	960	937	751	723	507	474	288	211	13,265
4	SCL	101	52.001	N	S	SEG SB ON FR WB EMBRCDRO	2013	26	12	15	10	21	92	190	300	343	251	238	295	362	349	342	368	410	413	337	292	194	155	85	50	5,148
4	SCL	101	52.002	N	S	SB ON FR EB EMBRCDRO	2013	55	55	24	13	25	73	189	549	600	551	446	467	498	536	552	571	550	524	415	431	313	319	203	161	8,117
4	SCL	101	52.061	F	S	SEG SB OFF TO ORE.EXPWY.	2013	78	45	18	24	84	353	717	1,142	1,259	1,070	843	799	810	733	724	748	767	914	810	603	407	325	261	163	13,693
4	SCL	101	52.131	N	S	SB 101&ORE EXP FR WB EXP	2013	31	15	16	12	40	123	265	496	641	427	415	517	580	549	515	563	610	630	501	389	259	198	100	64	7,954
4	SCL	101	52.291	F	S	SEG SB OFF TO EB EMBRCDR	2013	6	4	11	13	13	43	164	261	275	250	208	199	184	184	172	155	109	88	72	49	35	32	18	13	2,553
4	SCL	101	52.292	F	S	SEG SB OFF TO WB EMBRCDRO	2013	39	16	10	8	17	83	233	417	313	359	395	402	389	415	389	385	301	298	369	252	181	135	121	66	5,590
4	SCL	101	52.401	F	S	SB OFF TO ORE/EMBRCDRO	2013	157	74	44	69	139	628	1,413	2,216	2,074	2,029	1,580	1,470	1,445	1,393	1,422	1,353	1,218	1,332	1,407	1,002	723	567	464	293	24,509
						MAINLINE NORTH OF OREGON/ EMBARCADERO		865	498	484	348	605	2,180	5,025	7,428	7,128	7,887	5,867	5,255	4,999	4,766	4,599	4,514	4,097	4,252	4,638	4,058	2,930	2,648	2,346	1,416	81,885

SOUTHBOUND FRIDAY

Dist	Cnty	Rte	PM	Leg	Dir	Description	Year	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	24hr total
						MAINLINE BET MOFFETT BLVD AND SHORELINE/MIDDLEFIELD RD		1,292	751	596	400	644	1,806	4,051	6,712	7,554	7,452	6,476	6,548	6,789	6,703	7,083	6,811	6,881	6,896	6,886	6,026	4,464	3,952	3,891	3,246	113,906
4	SCL	101	48.461	N	S	SB ON FR NB SHORELINE	2013	173	51	35	30	19	35	90	167	471	601	418	371	401	464	518	491	541	554	623	480	433	294	214	216	7,689
4	SCL	101	48.691	F	S	SB OFF TO SB SHORELINE	2013	67	44	28	27	33	129	250	515	537	549	546	562	618	519	516	495	465	492	585	535	345	317	349	176	8,695
4	SCL	101	48.881	N	S	SB ON FR MIDDLEFIELD RD.	2013	84	50	49	26	30	71	95	226	366	372	448	592	703	694	908	847	985	1,343	1,078	593	443	260	224	339	10,823
						MAINLINE BET SHORELINE/MIDDLEFIELD RD AND RENGSTORFF/CHARLESTON		1,123	700	544	375	630	1,833	4,127	6,854	7,311	7,102	6,207	6,191	6,352	6,119	6,237	6,028	5,885	5,557	5,847	5,546	3,986	3,751	3,828	2,894	105,022
4	SCL	101	49.501	N	S	SB ON FR N.RENGSTORFF	2013	101	54	20	23	31	83	254	503	1,007	838	696	843	874	964	1,069	1,104	1,137	1,089	926	720	498	427	339	232	13,830
4	SCL	101	49.581	F	S	SB OFF TO RENGSTORFF	2013	81	34	15	20	36	170	233	554	846	832	572	624	519	539	487	465	496	416	465	392	278	250	226	154	8,704
4	SCL	101	49.661	N	S	SB ON FR CHARLESTON	2013	64	53	20	10	32	3	2	10	17	0	882	945	970	1,119	1,079	1,170	1,234	972	776	534	455	435	204	131	11,115
						MAINLINE BET RENGSTORFF/CHARLESTON AND SAN ANTONIO		1,039	627	518	362	603	1,917	4,104	6,895	7,132	7,096	5,200	5,028	5,027	4,576	4,576	4,219	4,011	3,912	4,610	4,684	3,311	3,139	3,512	2,686	88,781
4	SCL	101	50.271	F	S	SB OFF TO NB SAN ANTONIO	2013	1	3	13	2	5	27	70	133	219	177	129	67	79	86	83	52	39	30	32	51	15	16	14	6	1,347
4	SCL	101	50.401	F	S	SB OFF TO SB SAN ANTONIO	2013	77	52	43	50	85	175	449	806	826	853	805	794	823	840	844	810	790	824	893	763	445	356	287	187	12,872
						MAINLINE BET SAN ANTONIO AND OREGON/EMBARCADERO		1,116	682	573	414	694	2,118	4,623	7,834	8,177	8,126	6,133	5,889	5,929	5,502	5,503	5,081	4,840	4,765	5,535	5,498	3,771	3,510	3,812	2,879	103,000
4	SCL	101	51.891	N	S	SB ON FR ORE/EMBARCADERO	2013	172	138	96	46	84	256	551	1,562	2,760	1,916	1,335	1,423	1,496	1,561	1,590	1,754	1,697	1,935	1,355	1,226	931	876	720	493	25,969
4	SCL	101	51.951	N	S	SEG SB ON FR EB ORE EXPWY	2013	89	50	44	25	38	81	207	711	1,726	1,121	606	577	582	605	631	662	528	808	497	455	338	331	319	184	11,212
4	SCL	101	51.952	N	S	SEG SB ON FR EMBRCDRO	2013	91	92	53	31	41	174	337	737	844	803	729	846	914	955	960	1,091	1,170	1,127	858	771	593	545	401	309	14,472
4	SCL	101	52.001	N	S	SEG SB ON FR WB EMBRCDRO	2013	27	14	26	18	21	104	154	267	307	241	268	323	346	409	357	367	505	480	341	286	221	194	122	105	5,500
4	SCL	101	52.002	N	S	SB ON FR EB EMBRCDRO	2013	65	79	28	13	20	70	183	470	537	562	462	523	568	547	603	724	665	648	517	485	373	350	279	204	8,972
4	SCL	101	52.061	F	S	SEG SB OFF TO ORE.EXPWY.	2013	86	44	27	22	58	232	615	974	1,246	979	869	813	855	859	767	814	828	867	769	612	372	292	309	210	13,515
4	SCL	101	52.131	N	S	SB 101&ORE EXP FR WB EXP	2013	37	40	31	22	40	142	211	413	549	382	411	552	577	648	568	588	568	589	484	402	289	232	140	122	8,037
4	SCL	101	52.291	F	S	SEG SB OFF TO EB EMBRCDR	2013	3	4	17	14	10	32	131	248	275	251	227	218	207	207	171	152	124	90	83	52	40	18	18	15	2,606
4	SCL	101	52.292	F	S	SEG SB OFF TO WB EMBRCDRO	2013	25	29	12	11	14	89	230	450	373	464	371	472	441	441	397	390	299	337	355	303	198	155	146	98	6,094
4	SCL	101	52.401	F	S	SB OFF TO ORE/EMBRCDRO	2013	144	103	67	75	131	635	1,426	2,243	2,144	2,099	1,591	1,770	1,633	1,563	1,542	1,537	1,342	1,523	1,440	1,124	803	607	608	457	26,605
						MAINLINE NORTH OF OREGON/ EMBARCADERO		1,089	647	545	444	740	2,497	5,497	8,515	7,561	8,309	6,389	6,236	6,066	5,504	5,455	4,865	4,484	4,353	5,620	5,396	3,642	3,242	3,701	2,843	103,636

SOUTHBOUND WEEKEND

Dist	Cnty	Rte	PM	Leg	Dir	Description	Year	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	24hr total
						MAINLINE BET MOFFETT BLVD AND SHORELINE/MIDDLEFIELD RD		1,648	1,093	907	600	480	717	1,159	1,960	2,615	3,657	4,382	4,733	5,083	5,074	5,054	4,837	4,894	5,059	4,711	3,890	3,256	3,075	2,744	2,151	73,777
4	SCL	101	48.461	N	S	SB ON FR NB SHORELINE	2013	108	48	24	23	16	9	17	44	109	144	206	278	298	371	402	325	331	334	309	280	240	188	175	143	4,421
4	SCL	101	48.691	F	S	SB OFF TO SB SHORELINE	2013	97	68	54	29	23	28	58	96	152	231	346	386	404	461	401	367	450	379	391	391	269	256	204	127	5,665
4	SCL	101	48.881	N	S	SB ON FR MIDDLEFIELD RD.	2013	70	61	41	27	22	32	54	86	142	203	372	414	519	580	546	565	489	453	420	311	190	158	142	88	5,981
						MAINLINE BET SHORELINE/MIDDLEFIELD RD AND RENGSTORFF/CHARLESTON		1,568	1,052	896	579	466	703	1,146	1,926	2,516	3,541	4,150	4,429	4,670	4,584	4,507	4,314	4,524	4,652	4,373	3,690	3,095	2,985	2,630	2,047	69,040
4	SCL	101	49.501	N	S	SB ON FR N.RENGSTORFF	2013	132	74	36	17	26	44	91	156	263	391	599	664	749	780	787	705	717	657	587	452	279	314	237	137	8,893
4	SCL	101	49.581	F	S	SB OFF TO RENGSTORFF	2013	101	65	53	26	24	39	53	114	207	261	384	434	426	439	449	433	472	440	309	257	218	199	168	116	5,685
4	SCL	101	49.661	N	S	SB ON FR CHARLESTON	2013	68	41	23	23	58	104	177	281	421	581	686	871	840	836	778	768	780	632	425	362	286	208	131	79	9,457
						MAINLINE BET RENGSTORFF/CHARLESTON AND SAN ANTONIO		1,469	1,001	890	565	407	594	931	1,602	2,040	2,830	3,248	3,328	3,507	3,407	3,391	3,273	3,499	3,803	3,670	3,133	2,748	2,661	2,430	1,949	56,375
4	SCL	101	50.271	F	S	SB OFF TO NB SAN ANTONIO	2013	6	1	3	1	0	2	10	14	20	35	36	40	39	39	32	37	26	26	27	15	15	5	10	6	444
4	SCL	101	50.401	F	S	SB OFF TO SB SAN ANTONIO	2013	139	63	64	47	54	72	129	261	557	580	812	835	863	927	828	765	708	796	621	480	402	285	239	177	10,701
						MAINLINE BET SAN ANTONIO AND OREGON/EMBARCADERO		1,613	1,065	957	613	460	668	1,071	1,877	2,617	3,445	4,097	4,203	4,409	4,373	4,251	4,075	4,232	4,625	4,317	3,628	3,166	2,951	2,679	2,132	67,520
4	SCL	101	51.891	N	S	SB ON FR ORE/EMBARCADERO	2013	267	166	108	67	64	105	181	436	652	866	1,084	1,134	1,153	1,243	1,182	1,201	1,200	1,175	1,270	984	760	621	509	333	16,758
4	SCL	101	51.951	N	S	SEG SB ON FR EB ORE EXPWY	2013	124	99	65	31	29	55	71	168	280	388	465	459	426	467	403	392	427	420	538	400	330	287	213	141	6,678
4	SCL	101	51.952	N	S	SEG SB ON FR EMBRCDRO	2013	142	67	43	36	35	50	110	269	372	478	620	675	727	776	779	808	772	755	732	584	430	333	296	192	10,080
4	SCL	101	52.001	N	S	SEG SB ON FR WB EMBRCDRO	2013	39	18	17	17	13	24	41	99	158	205	269	244	308	329	308	284	278	290	265	208	177	135	105	48	3,876
4	SCL	101	52.002	N	S	SB ON FR EB EMBRCDRO	2013	103	49	26	19	22	26	69	170	215	273	351	432	418	447	470	525	495	465	467	377	253	198	191	144	6,205
4	SCL	101	52.061	F	S	SEG SB OFF TO ORE.EXPWY.	2013	132	94	58	36	38	72	120	218	404	460	519	578	633	574	580	591	584	531	453	389	320	300	269	189	8,139
4	SCL	101	52.131	N	S	SB 101&ORE EXP FR WB EXP	2013	47	23	23	18	15	36	56	113	225	286	405	384	461	465	446	414	414	402	345	272	216	169	120	58	5,411
4	SCL	101	52.291	F	S	SEG SB OFF TO EB EMBRCDR	2013	9	6	9	8	3	10	44	92	75	107	130	118	125	107	104	109	82	76	70	42	31	20	21	14	1,409
4	SCL	101	52.292	F	S	SEG SB OFF TO WB EMBRCDRO	2013	64	32	32	17	21	30	41	110	222	287	304	403	424	474	339	346	368	339	279	230	169	149	131	84	4,893
4	SCL	101	52.401	F	S	SB OFF TO ORE/EMBRCDRO	2013	286	139	121	83	89	161	300	602	831	1,066	1,107	1,268	1,272	1,300	1,177	1,227	1,268	1,212	1,018	854	694	603	524	393	17,594
						MAINLINE NORTH OF OREGON/ EMBARCADERO		1,632	1,039	970	629	485	724	1,190	2,043	2,796	3,645	4,119	4,336	4,529	4,431	4,246	4,101	4,300	4,662	4,065	3,498	3,100	2,933	2,695	2,191	68,356

Appendix B
Freeway Lane Closure Charts

Chart No. 1
Freeway/Expressway Lane Requirements

County: Santa Clara	Route/Direction: Highway 101/Northbound	PM: 48.5/52.3

Closure Limits: Highway 101, between Shoreline Boulevard/Middlefield Road (48.5) and Oregon Expressway/Embarcadero Road (52.3)

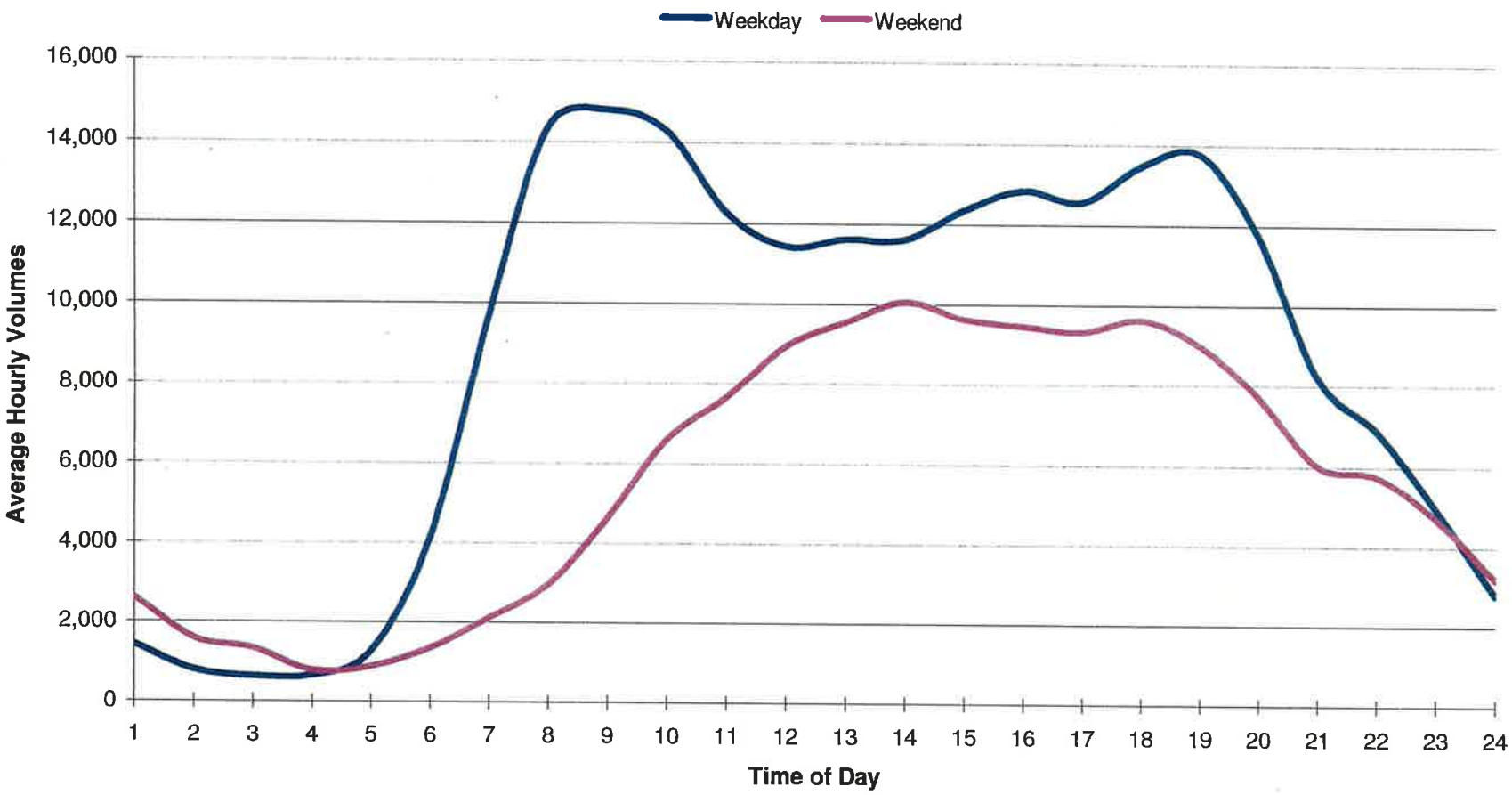
FROM HOUR TO HOUR	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Mondays through Thursdays	1	1	1	1	1																				2
Fridays	1	1	1	1	1																				3
Saturdays	2	2	1	1	1	1	2	2																	3
Sundays	2	2	1	1	1	1	2	2																	3

Legend:

1	Provide at least one through freeway lane open in direction of travel
2	Provide at least two adjacent through freeway lanes open in direction of travel
3	Provide at least three adjacent through freeway lanes open in direction of travel
4	Provide at least four adjacent through freeway lanes open in direction of travel
	Work permitted within project right of way where shoulder or lane closure is not required.

REMARKS:

1. Number of lanes to be open in direction of travel, are based on existing demand. It is assumed that one lane is required to be open in direction of travel for a demand of 1,500 vehicles per hour.
2. This lane closure chart shall only be used for construction work on Highway 101, between Shoreline Boulevard/Middlefield Road (48.5) and Oregon Expressway/Embarcadero Road (52.3).



Note: Hourly Volumes are Projected Year 2013 volumes based on data provided by CALTRANS

Chart No. 2
Freeway/Expressway Lane Requirements

County: Santa Clara	Route/Direction: Highway 101/Southbound	PM: 48.7/52.3

Closure Limits: Highway 101, between Shoreline Boulevard/Middlefield Road (48.7) and Oregon Expressway/Embarcadero Road (52.3)

FROM HOUR TO HOUR	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Mondays through Thursdays	1	1	1	1	1																		2	1	
Fridays	1	1	1	1	1																		3	2	
Saturdays	1	1	1	1	1	1	1	2														2	2	2	
Sundays	1	1	1	1	1	1	1	2														2	2	2	

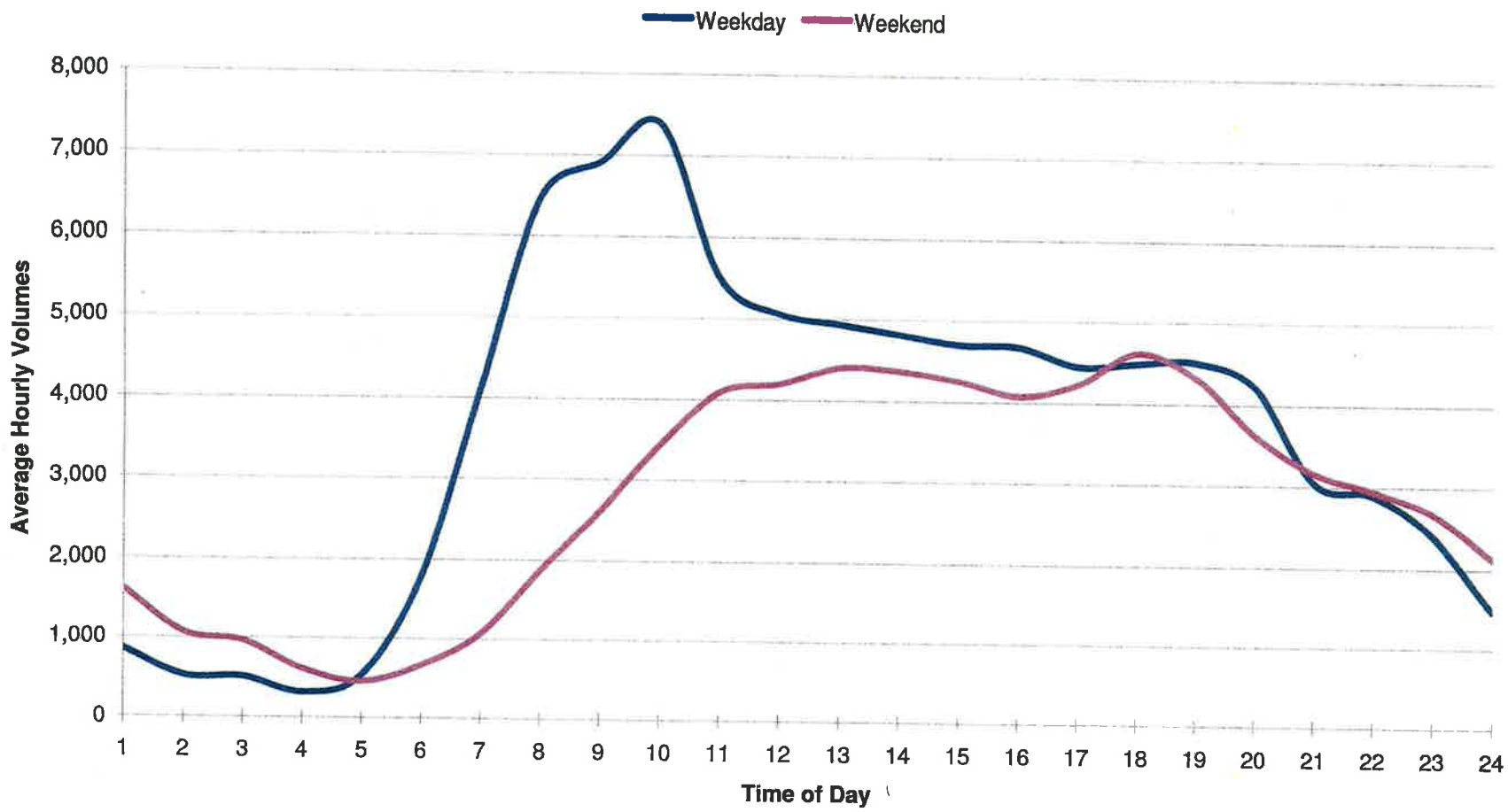
Legend:

1	Provide at least one through freeway lane open in direction of travel
2	Provide at least two adjacent through freeway lanes open in direction of travel
3	Provide at least three adjacent through freeway lanes open in direction of travel
	Work permitted within project right of way where shoulder or lane closure is not required.

REMARKS:

1. Number of lanes to be open in direction of travel, are based on existing demand. It is assumed that one lane is required to be open in direction of travel for a demand of 1,500 vehicles per hour.
2. This lane closure chart shall only be used for construction work on Highway 101, between Shoreline Boulevard/Middlefield Road (48.7) and Oregon Expressway/Embarcadero Road (52.4).

101 Southbound
Mainline between Shoreline Boulevard/Middlefield Road and Oregon Expressway/Embarcadero Road



Note: Hourly Volumes are Projected Year 2013 volumes based on data provided by CALTRANS

Appendix C
Ramp and Trail Closure Charts

Chart No. 3
Complete Ramp Closure Hours/Ramp Lane Requirements

County: Santa Clara	Route/Direction: Highway 101/Southbound	PM: 49.5

Closure Limits: Highway 101, Southbound On-Ramp from North Rengstorff Avenue

FROM HOUR TO HOUR	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Mondays through Thursdays	C	C	C	C	C																		C	C	
Fridays	C	C	C	C	C																		C	C	
Saturdays	C	C	C	C	C	C																C	C	C	
Sundays	C	C	C	C	C	C																C	C	C	

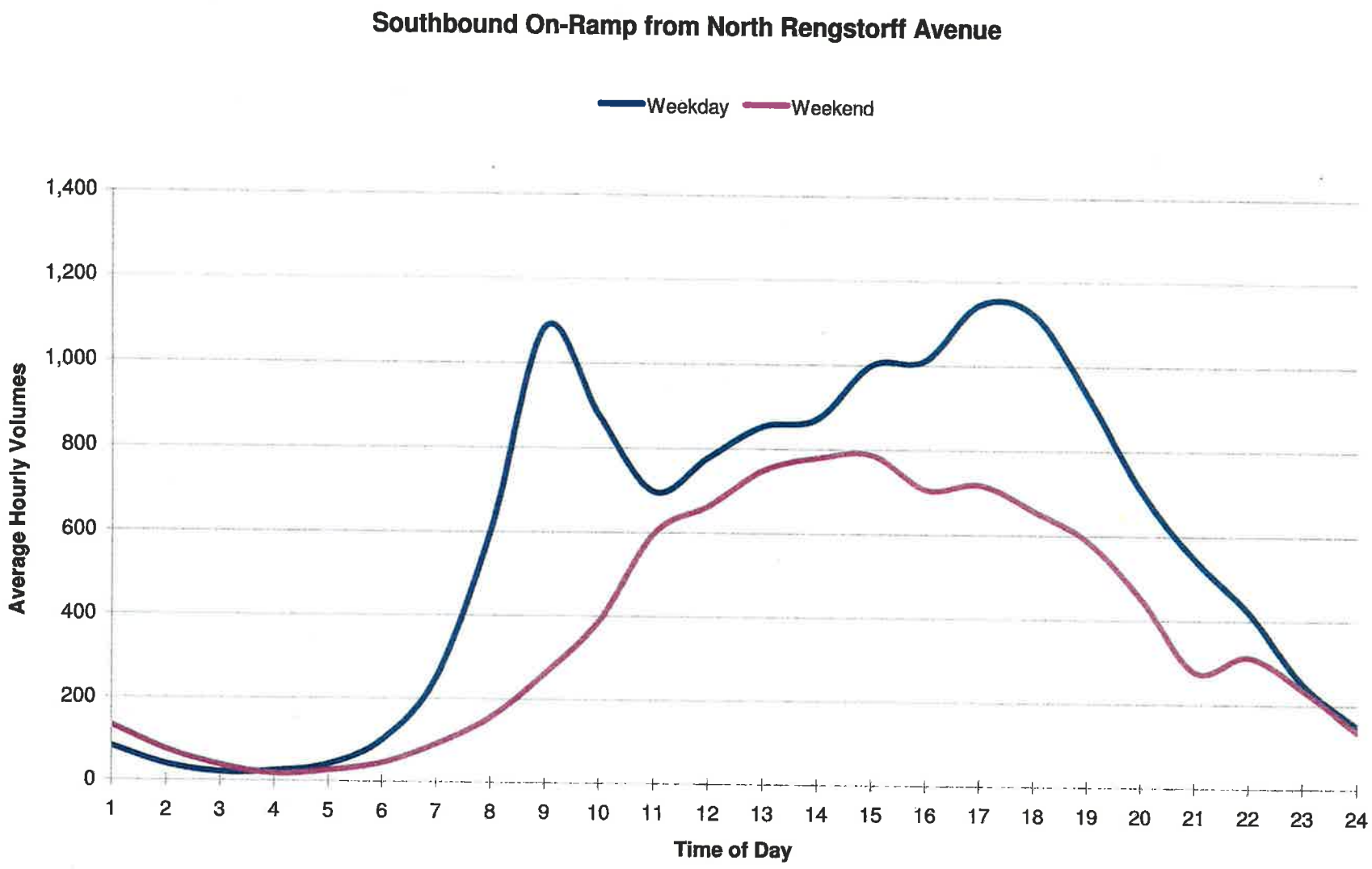
Legend:

C Ramp may be closed completely

Work permitted within project right of way where shoulder or lane closure is not required.

REMARKS:

- No two (2) consecutive on-ramps or off-ramps in the same direction shall be closed concurrently.
- Detour traffic as per Detour Plan (CS-2)



Note: Hourly Volumes are Projected Year 2013 volumes based on data provided by CALTRANS

Chart No. 4
Complete Ramp Closure Hours/Ramp Lane Requirements

County: Santa Clara	Route/Direction: Highway 101/Northbound	PM: 49.8

Closure Limits: Highway 101, Northbound On-Ramp from North Rengstorff Avenue

FROM HOUR TO HOUR	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Mondays through Thursdays	C	C	C	C	C																		C	C	
Fridays	C	C	C	C	C																		C	C	
Saturdays	C	C	C	C	C	C																C	C	C	
Sundays	C	C	C	C	C	C																C	C	C	

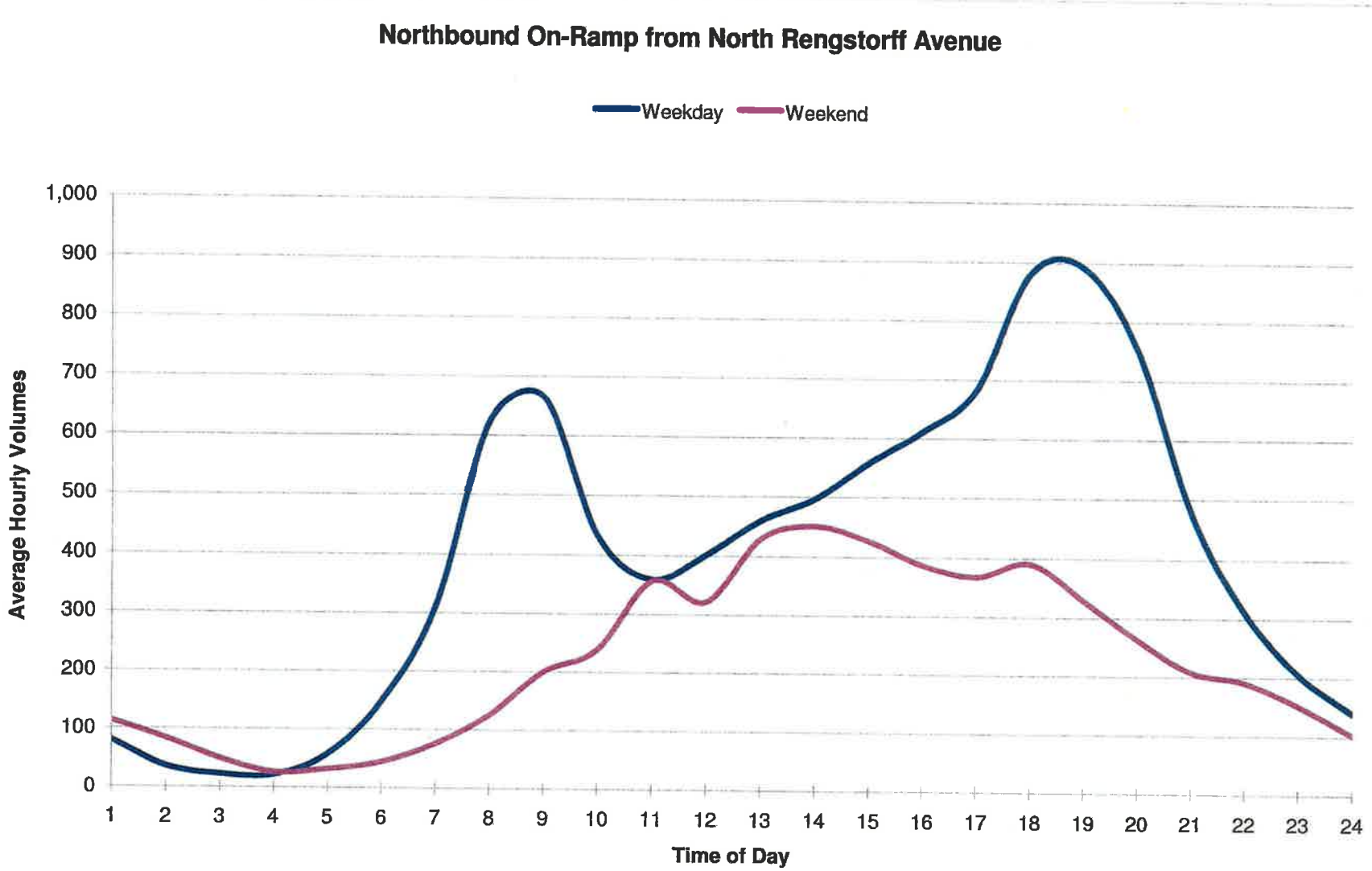
Legend:

C Ramp may be closed completely

Work permitted within project right of way where shoulder or lane closure is not required.

REMARKS:

- No two (2) consecutive on-ramps or off-ramps in the same direction shall be closed concurrently.
- Detour traffic as per Detour Plan (CS-3)



Note: Hourly Volumes are Projected Year 2013 volumes based on data provided by CALTRANS

Chart No. 5
Complete Ramp Closure Hours/Ramp Lane Requirements

County: Santa Clara	Route/Direction: Highway 101/Northbound	PM: 49.5

Closure Limits: Highway 101, Northbound Off-Ramp to Amphitheatre Parkway

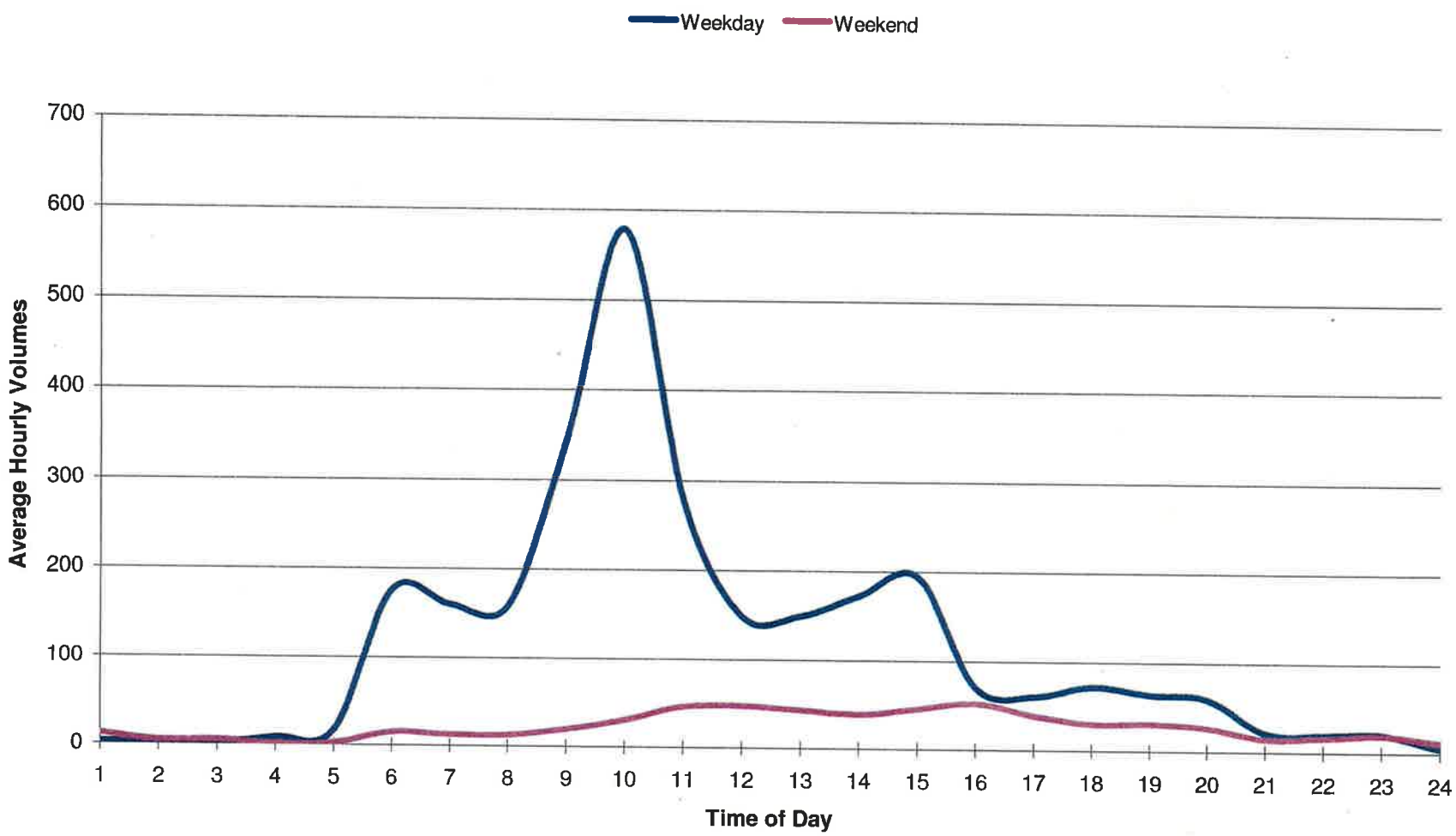
FROM HOUR TO HOUR	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Mondays through Thursdays	C	C	C	C	C																		C	C	
Fridays	C	C	C	C	C																		C	C	
Saturdays	C	C	C	C	C	C																C	C	C	
Sundays	C	C	C	C	C	C																C	C	C	

Legend:

C	Ramp may be closed completely
	Work permitted within project right of way where shoulder or lane closure is not required.

REMARKS:

- No two (2) consecutive on-ramps or off-ramps in the same direction shall be closed concurrently.
- Detour traffic as per Detour Plan (CS-4)



Note: Hourly Volumes are Projected Year 2013 volumes based on data provided by CALTRANS

Chart No. 6
Complete Ramp Closure Hours/Ramp Lane Requirements

County: Santa Clara	Route/Direction: Highway 101/Southbound	PM: 50.3

Closure Limits: Highway 101, Southbound Off-Ramp (Loop) to Northbound San Antonio Road

FROM HOUR TO HOUR	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Mondays through Thursdays	C	C	C	C	C																		C	C	
Fridays	C	C	C	C	C																		C	C	
Saturdays	C	C	C	C	C	C																C	C	C	
Sundays	C	C	C	C	C	C																C	C	C	

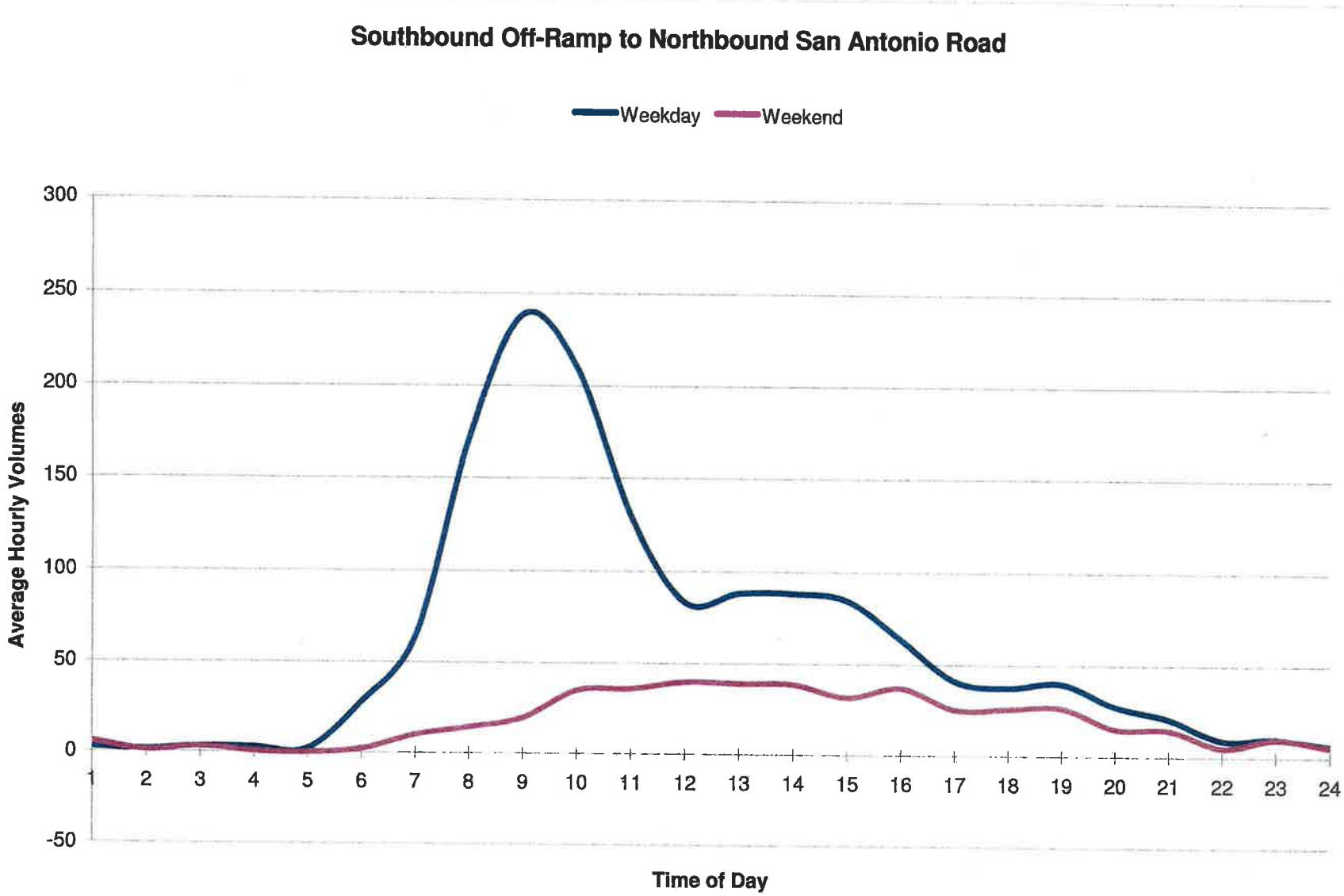
Legend:

C Ramp may be closed completely

Work permitted within project right of way where shoulder or lane closure is not required.

REMARKS:

- No two (2) consecutive on-ramps or off-ramps in the same direction shall be closed concurrently.
- Detour traffic as per Detour Plan (CS-5)



Note: Hourly Volumes are Projected Year 2013 volumes based on data provided by CALTRANS

Chart No. 7
Complete Ramp Closure Hours/Ramp Lane Requirements

County: Santa Clara	Route/Direction: Highway 101/Southbound	PM: 49.6

Closure Limits: Highway 101, Southbound Off-Ramp to Rengstorff Avenue

FROM HOUR TO HOUR	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Mondays through Thursdays	C	C	C	C	C																			C	C
Fridays	C	C	C	C	C																			C	C
Saturdays	C	C	C	C	C	C																	C	C	C
Sundays	C	C	C	C	C	C																	C	C	C

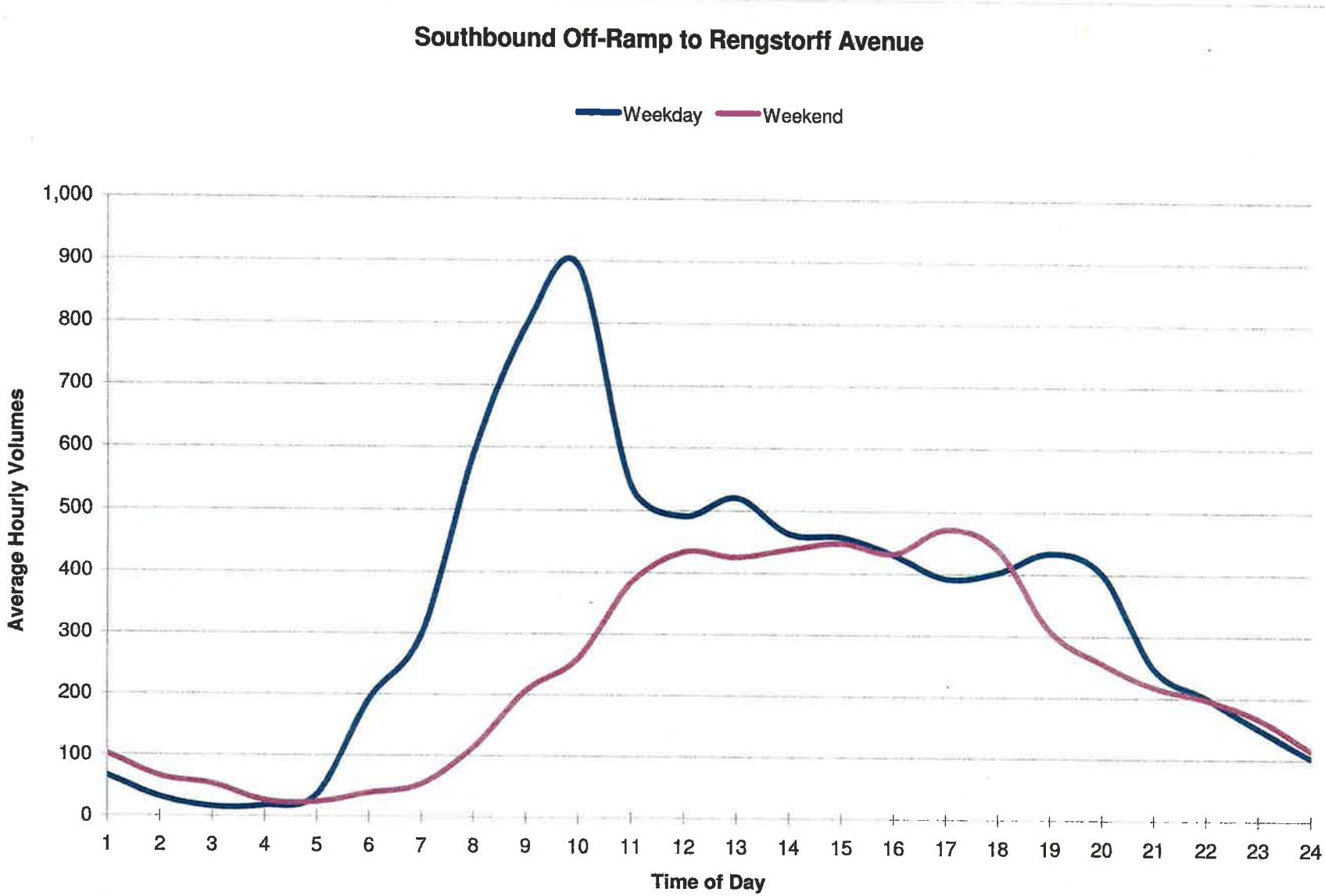
Legend:

C Ramp may be closed completely

Work permitted within project right of way where shoulder or lane closure is not required.

REMARKS:

- No two (2) consecutive on-ramps or off-ramps in the same direction shall be closed concurrently.
- Detour traffic as per Detour Plan (CS-6)



Note: Hourly Volumes are Projected Year 2013 volumes based on data provided by CALTRANS

Chart No. 8
Complete Ramp Closure Hours/Ramp Lane Requirements

County: Santa Clara	Route/Direction: Highway 101/Northbound	PM: 48.6

Closure Limits: Highway 101, Northbound On-Ramp from North Shoreline Boulevard

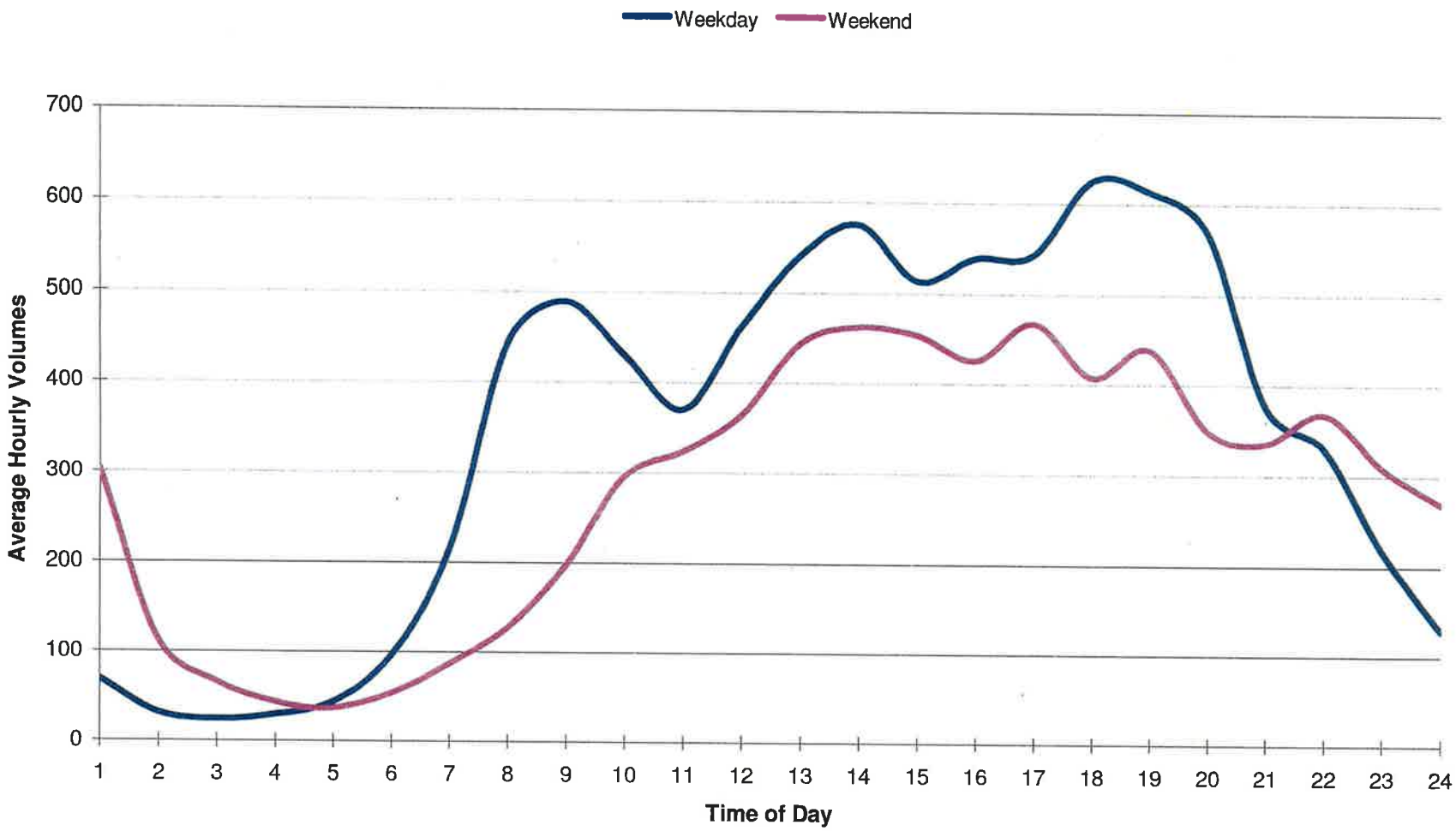
FROM HOUR TO HOUR	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Mondays through Thursdays	C	C	C	C	C																		C	C	
Fridays	C	C	C	C	C																		C	C	
Saturdays	C	C	C	C	C	C																C	C	C	
Sundays	C	C	C	C	C	C																C	C	C	

Legend:

C	Ramp may be closed completely
	Work permitted within project right of way where shoulder or lane closure is not required.

REMARKS:

- No two (2) consecutive on-ramps or off-ramps in the same direction shall be closed concurrently.
- Detour traffic as per Detour Plan (CS 7)



Note: Hourly Volumes are Projected Year 2013 volumes based on data provided by CALTRANS

Chart No. 9
Complete Ramp Closure Hours/Ramp Lane Requirements

County: Santa Clara	Route/Direction: Highway 101/Northbound	PM: 50.4

Closure Limits: Highway 101, Northbound On-Ramp from Southbound San Antonio Road

FROM HOUR TO HOUR	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Mondays through Thursdays	C	C	C	C	C																		C	C	
Fridays	C	C	C	C	C																		C	C	
Saturdays	C	C	C	C	C	C																C	C	C	
Sundays	C	C	C	C	C	C																C	C	C	

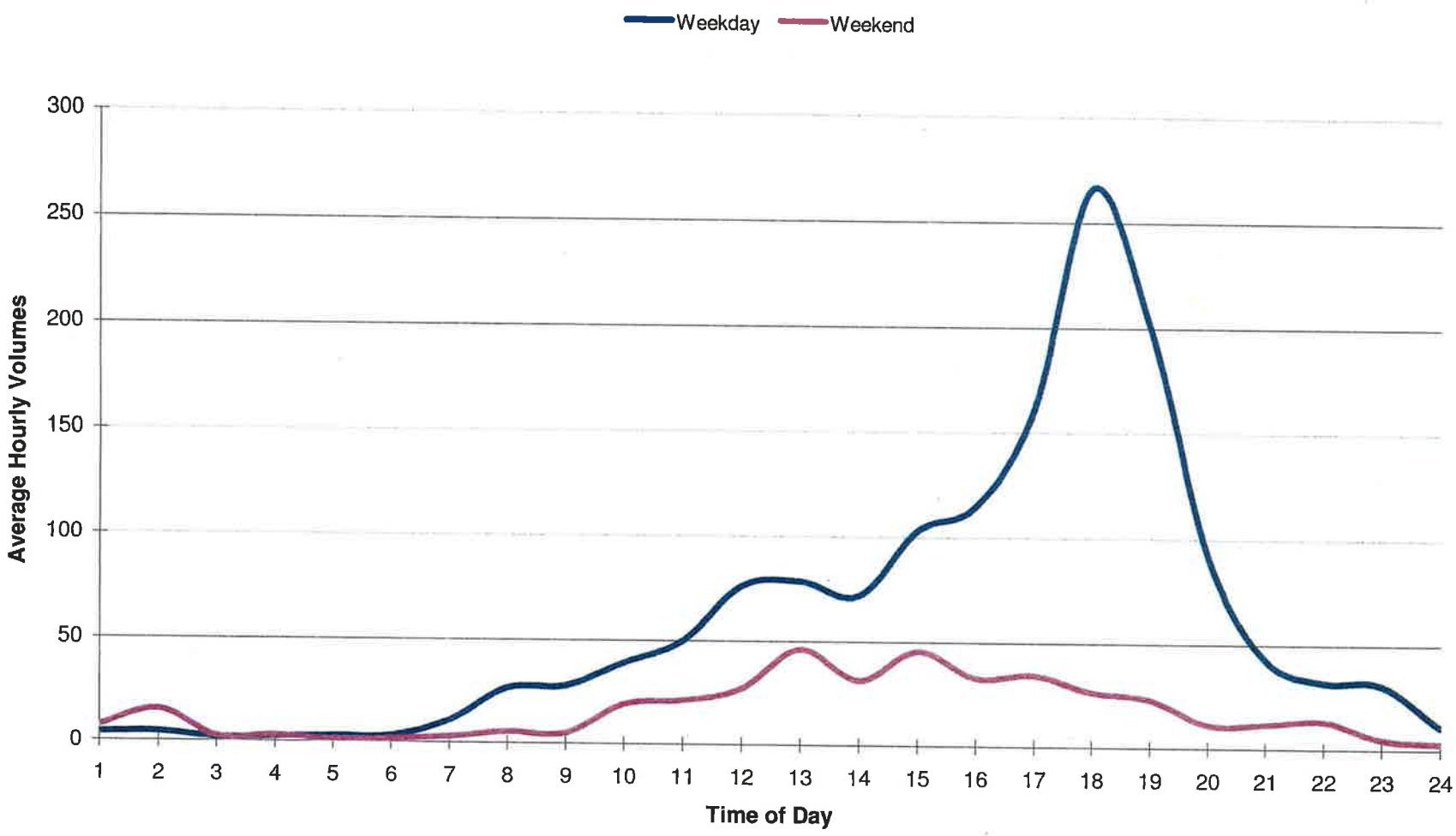
Legend:

C Ramp may be closed completely

Work permitted within project right of way where shoulder or lane closure is not required.

REMARKS:

- No two (2) consecutive on-ramps or off-ramps in the same direction shall be closed concurrently.
- Detour traffic as per Detour Plan (CS-8)



Note: Hourly Volumes are Projected Year 2013 volumes based on data provided by CALTRANS

Chart No. 10
Complete Ramp Closure Hours/Ramp Lane Requirements

County: Santa Clara	Route/Direction: Highway 101/Northbound	PM: 51.8

Closure Limits: Highway 101, Northbound Off-Ramp to Oregon Expressway/Embarcadero Road

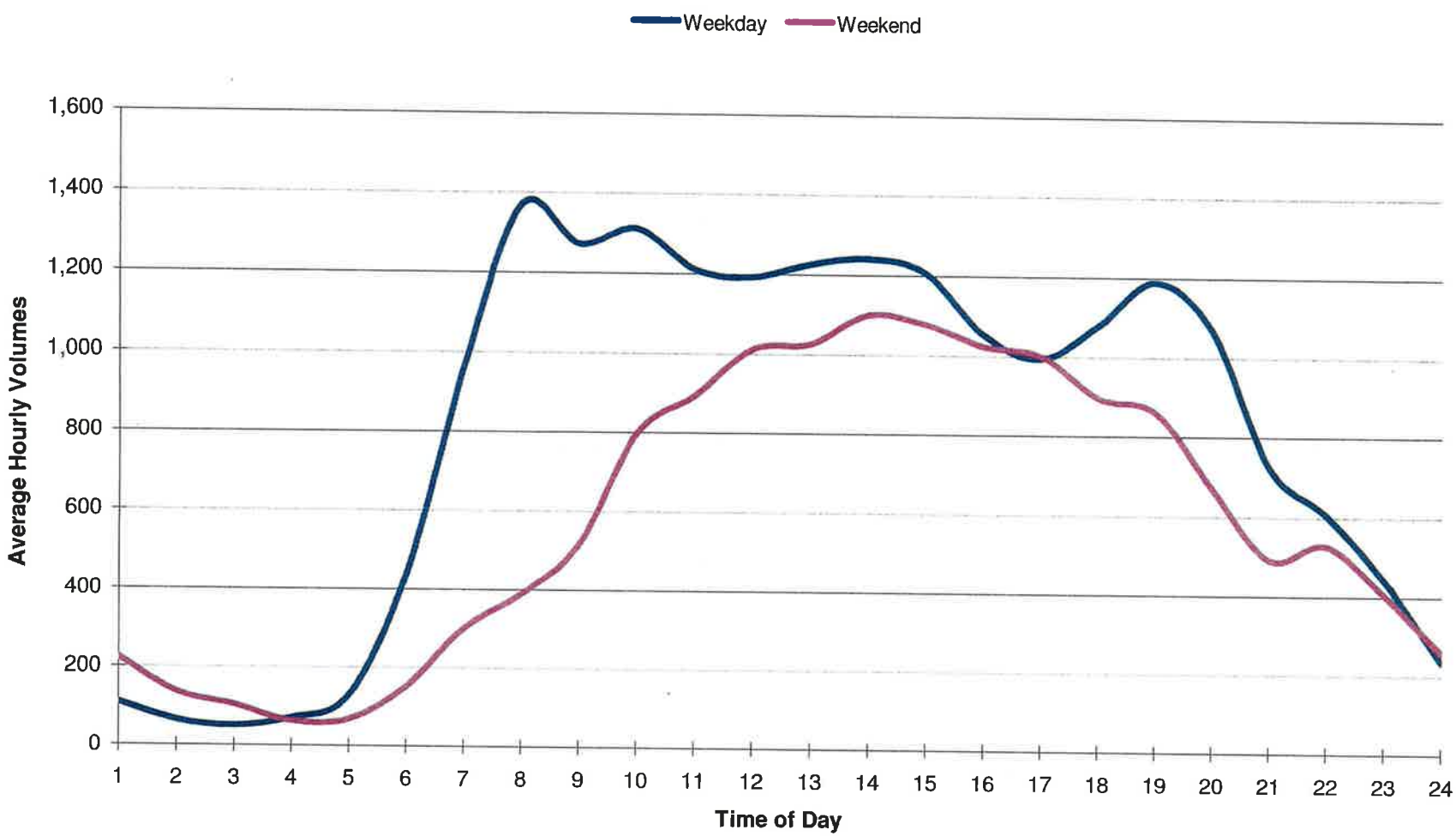
FROM HOUR TO HOUR	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Mondays through Thursdays	C	C	C	C	C																		C	C	
Fridays	C	C	C	C	C																			C	
Saturdays	C	C	C	C	C	C																C	C	C	
Sundays	C	C	C	C	C	C																C	C	C	

Legend:

C	Ramp may be closed completely
	Work permitted within project right of way where shoulder or lane closure is not required.

REMARKS:

- No two (2) consecutive on-ramps or off-ramps in the same direction shall be closed concurrently.
- Detour traffic as per Detour Plan (CS-9)



Note: Hourly Volumes are Projected Year 2013 volumes based on data provided by CALTRANS

Chart No. 11
Complete Ramp Closure Hours/Ramp Lane Requirements

County: Santa Clara	Route/Direction: Highway 101/Southbound	PM: 51.9

Closure Limits: Highway 101, Southbound On-Ramp from Oregon Expressway

FROM HOUR TO HOUR	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Mondays through Thursdays	C	C	C	C	C																		C	C	
Fridays	C	C	C	C	C																		C	C	
Saturdays	C	C	C	C	C	C																C	C	C	
Sundays	C	C	C	C	C	C																C	C	C	

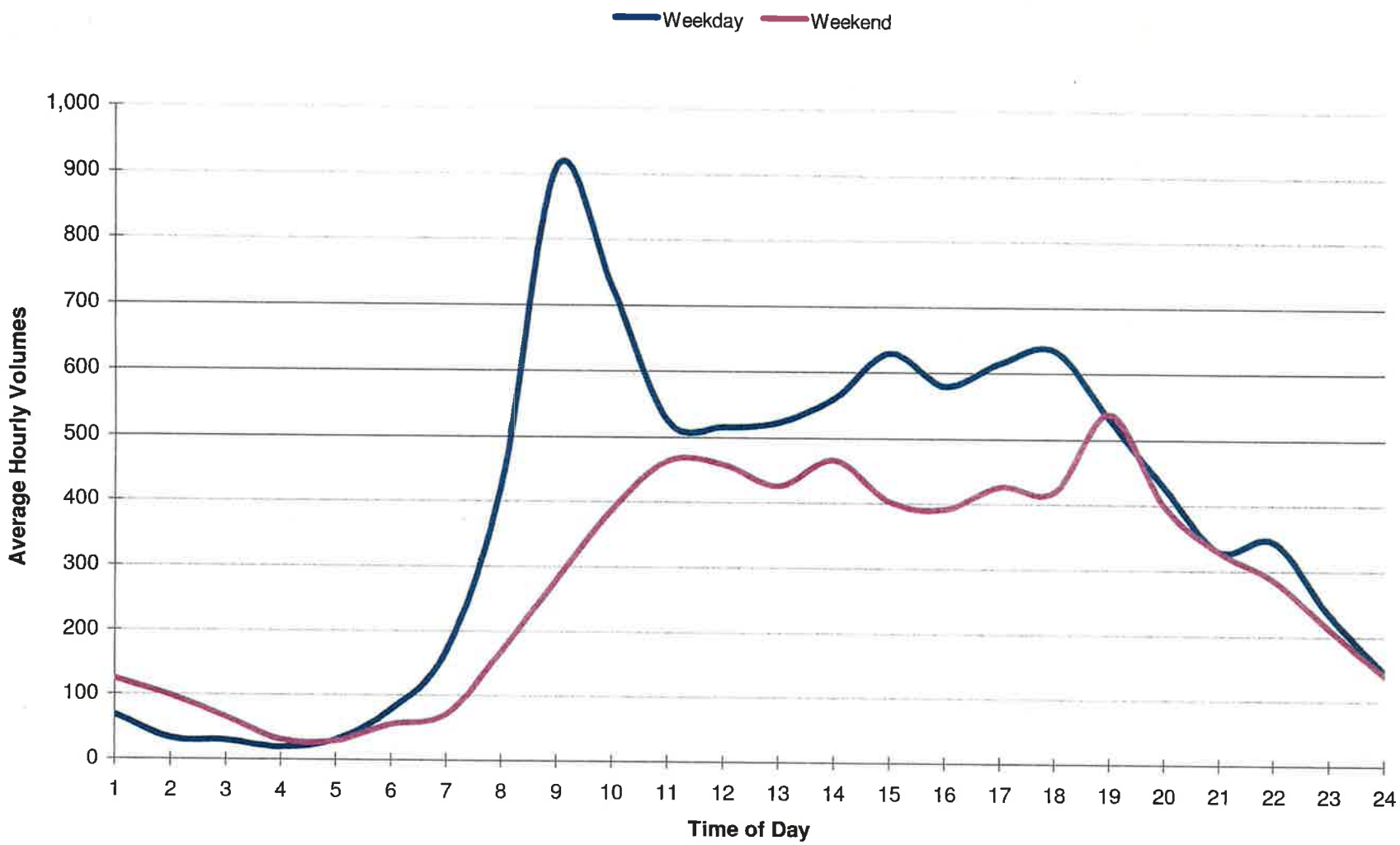
Legend:

C Ramp may be closed completely

Work permitted within project right of way where shoulder or lane closure is not required.

REMARKS:

- No two (2) consecutive on-ramps or off-ramps in the same direction shall be closed concurrently.
- Detour traffic as per Detour Plan (CS-10)



Note: Hourly Volumes are Projected Year 2013 volumes based on data provided by CALTRANS

Chart No. 12
Complete Ramp Closure Hours/Ramp Lane Requirements

County: Santa Clara	Route/Direction: Highway 101/Southbound	PM: 52.0

Closure Limits: Highway 101, Southbound On-Ramp from Embarcadero Road

FROM HOUR TO HOUR	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Mondays through Thursdays	C	C	C	C	C																		C	C	
Fridays	C	C	C	C	C																		C	C	
Saturdays	C	C	C	C	C	C																C	C	C	
Sundays	C	C	C	C	C	C																C	C	C	

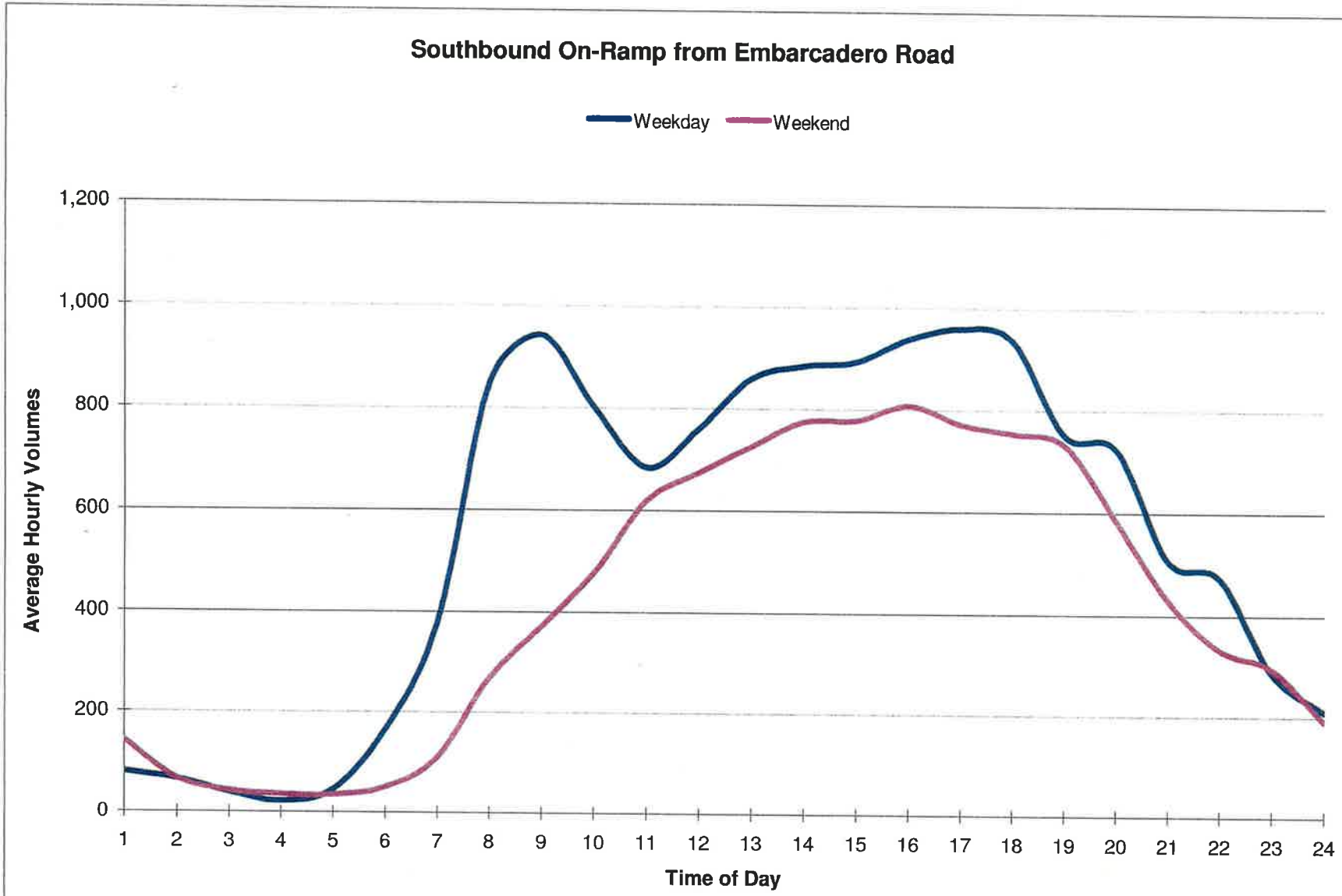
Legend:

C Ramp may be closed completely

Work permitted within project right of way where shoulder or lane closure is not required.

REMARKS:

- No two (2) consecutive on-ramps or off-ramps in the same direction shall be closed concurrently.
- Detour traffic as per Detour Plan (CS-11)



Note: Hourly Volumes are Projected Year 2013 volumes based on data provided by CALTRANS

Chart No. 13
Complete Ramp Closure Hours/Ramp Lane Requirements

County: Santa Clara	Route/Direction: Highway 101/Northbound	PM: 49.7

Closure Limits: Highway 101, Northbound Off-Ramp to Southbound Rengstorff Avenue

FROM HOUR TO HOUR	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Mondays through Thursdays	C	C	C	C	C																		C	C	
Fridays	C	C	C	C	C																		C	C	
Saturdays	C	C	C	C	C	C																C	C	C	
Sundays	C	C	C	C	C	C																C	C	C	

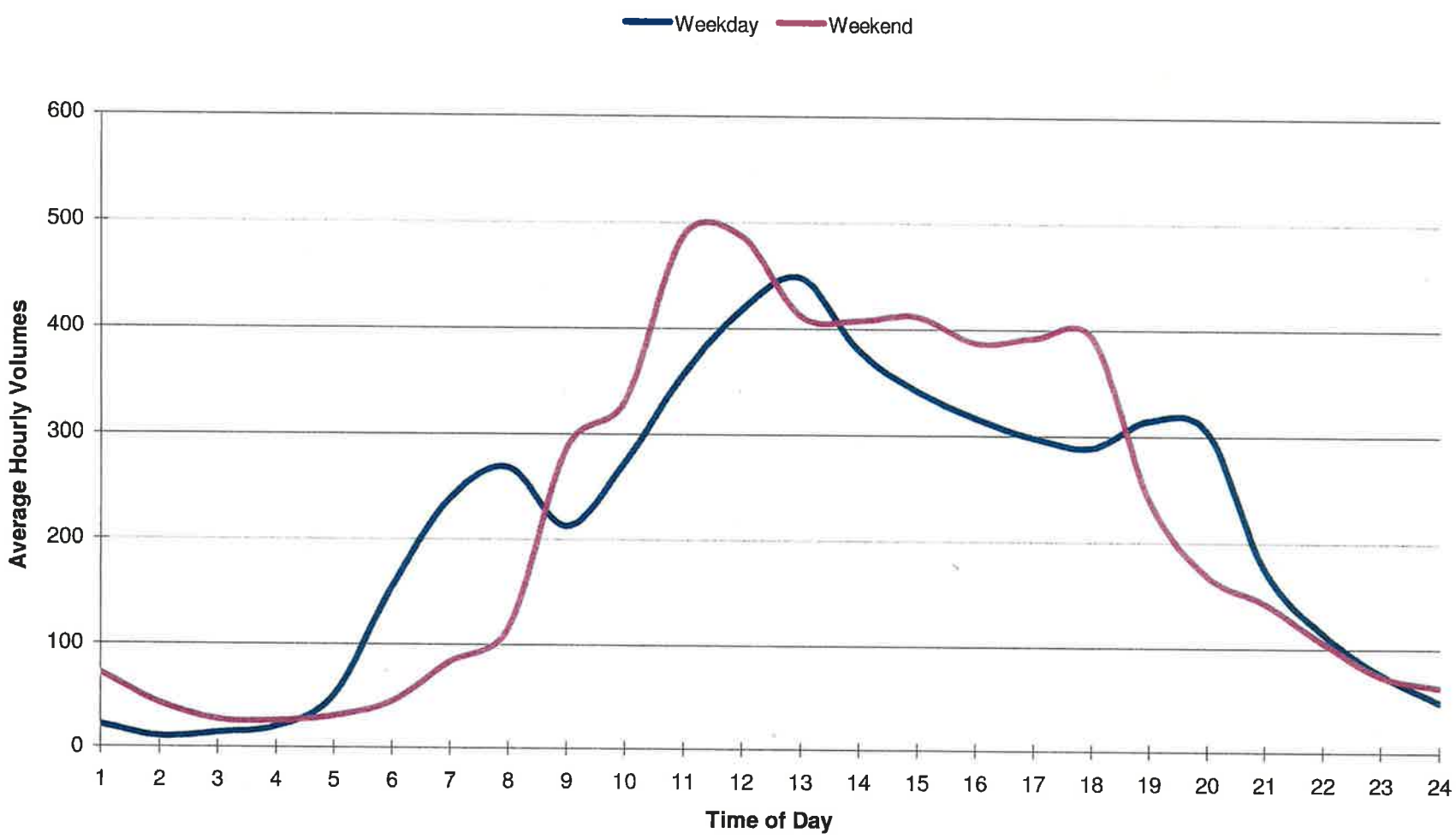
Legend:

C Ramp may be closed completely

Work permitted within project right of way where shoulder or lane closure is not required.

REMARKS:

- No two (2) consecutive on-ramps or off-ramps in the same direction shall be closed concurrently.
- Detour traffic as per Detour Plan (CS-12)



Note: Hourly Volumes are Projected Year 2013 volumes based on data provided by CALTRANS

Chart No. 14
Complete Ramp Closure Hours/Ramp Lane Requirements

County: Santa Clara	Route/Direction: Highway 101/Northbound	PM: 50.4

Closure Limits: Highway 101, Northbound On-Ramp from Northbound San Antonio Road

FROM HOUR TO HOUR	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Mondays through Thursdays	C	C	C	C	C																			C	C
Fridays	C	C	C	C	C																			C	C
Saturdays	C	C	C	C	C	C																	C	C	C
Sundays	C	C	C	C	C	C																	C	C	C

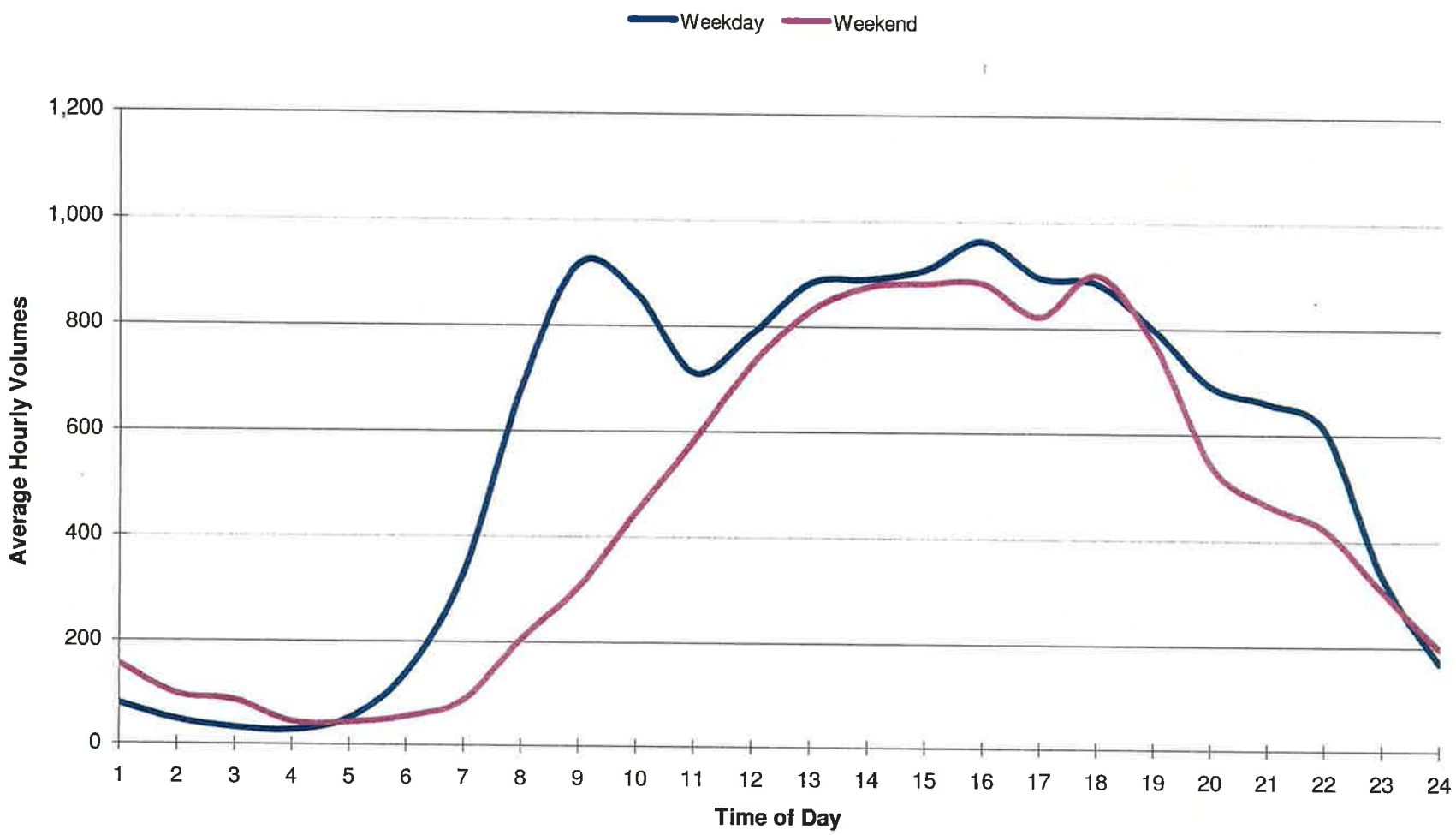
Legend:

C Ramp may be closed completely

Work permitted within project right of way where shoulder or lane closure is not required.

REMARKS:

- No two (2) consecutive on-ramps or off-ramps in the same direction shall be closed concurrently.
- Detour traffic as per Detour Plan (CS-13)



Note: Hourly Volumes are Projected Year 2013 volumes based on data provided by CALTRANS

Chart No. 15
Complete Ramp Closure Hours/Ramp Lane Requirements

County: Santa Clara	Route/Direction: Highway 101/Southbound	PM: 50.4

Closure Limits: Highway 101, Southbound Off-Ramp to Southbound San Antonio Road

FROM HOUR TO HOUR	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Mondays through Thursdays	C	C	C	C	C																			C	C
Fridays	C	C	C	C	C																			C	C
Saturdays	C	C	C	C	C	C																	C	C	C
Sundays	C	C	C	C	C	C																	C	C	C

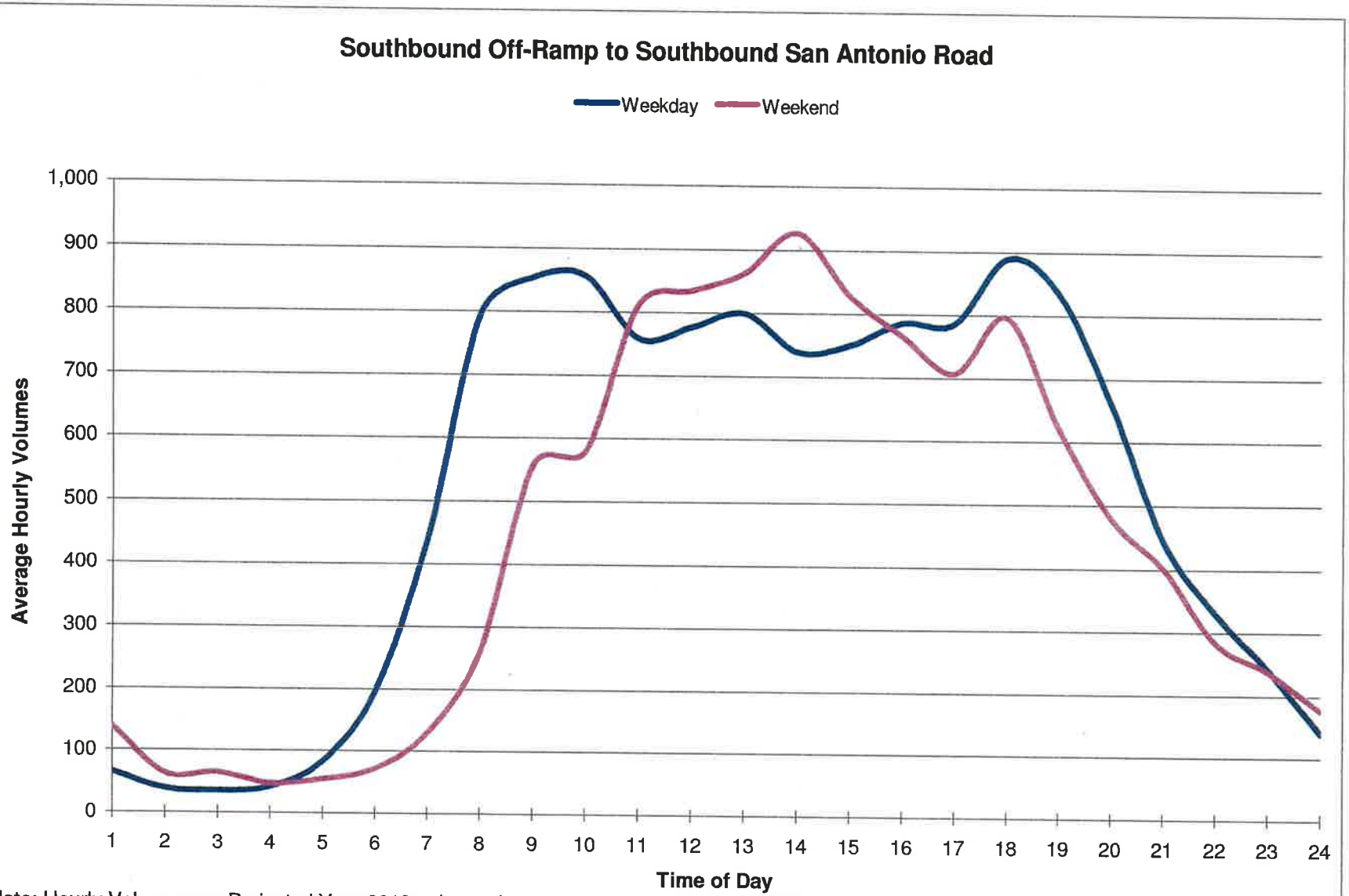
Legend:

C Ramp may be closed completely

Work permitted within project right of way where shoulder or lane closure is not required.

REMARKS:

- No two (2) consecutive on-ramps or off-ramps in the same direction shall be closed concurrently.
- Detour traffic as per Detour Plan (CS-14)



Note: Hourly Volumes are Projected Year 2013 volumes based on data provided by CALTRANS

Chart No. 16
Complete Ramp Closure Hours/Ramp Lane Requirements

County: Santa Clara	Route/Direction: Highway 101/Southbound	PM: 48.9

Closure Limits: Highway 101, Southbound On-Ramp from Old Middlefield Way

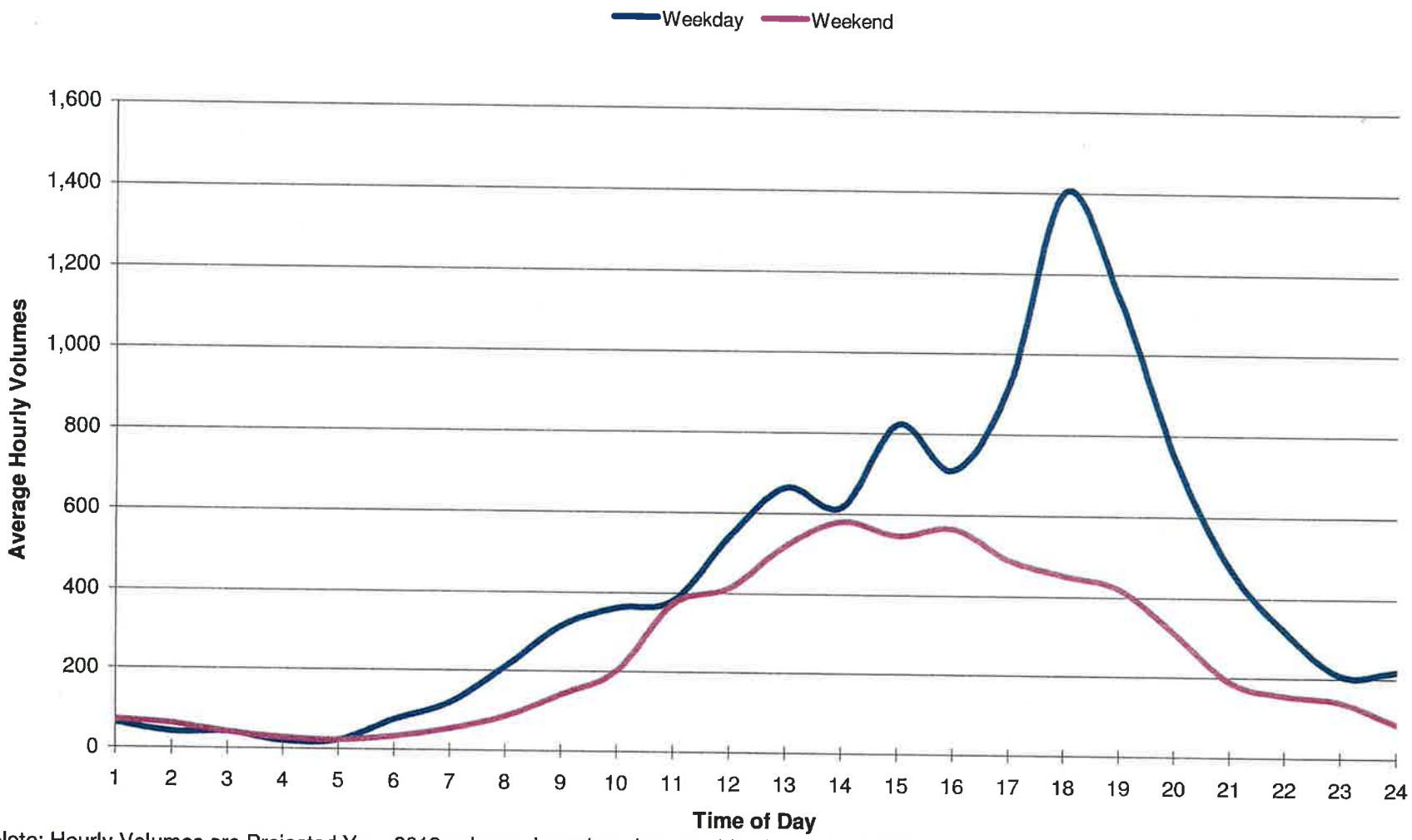
FROM HOUR TO HOUR	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Mondays through Thursdays	C	C	C	C	C																		C	C	
Fridays	C	C	C	C	C																		C	C	
Saturdays	C	C	C	C	C	C																C	C	C	
Sundays	C	C	C	C	C	C																C	C	C	

Legend:

C	Ramp may be closed completely
	Work permitted within project right of way where shoulder or lane closure is not required.

REMARKS:

- No two (2) consecutive on-ramps or off-ramps in the same direction shall be closed concurrently.
- Detour traffic as per Detour Plan (CS-15)



Note: Hourly Volumes are Projected Year 2013 volumes based on data provided by CALTRANS

Chart No. 17
Complete Ramp Closure Hours/Ramp Lane Requirements

County: Santa Clara	Route/Direction: Highway 101/Southbound	PM: 49.66

Closure Limits: Highway 101, Southbound On-Ramp from Charleston Road

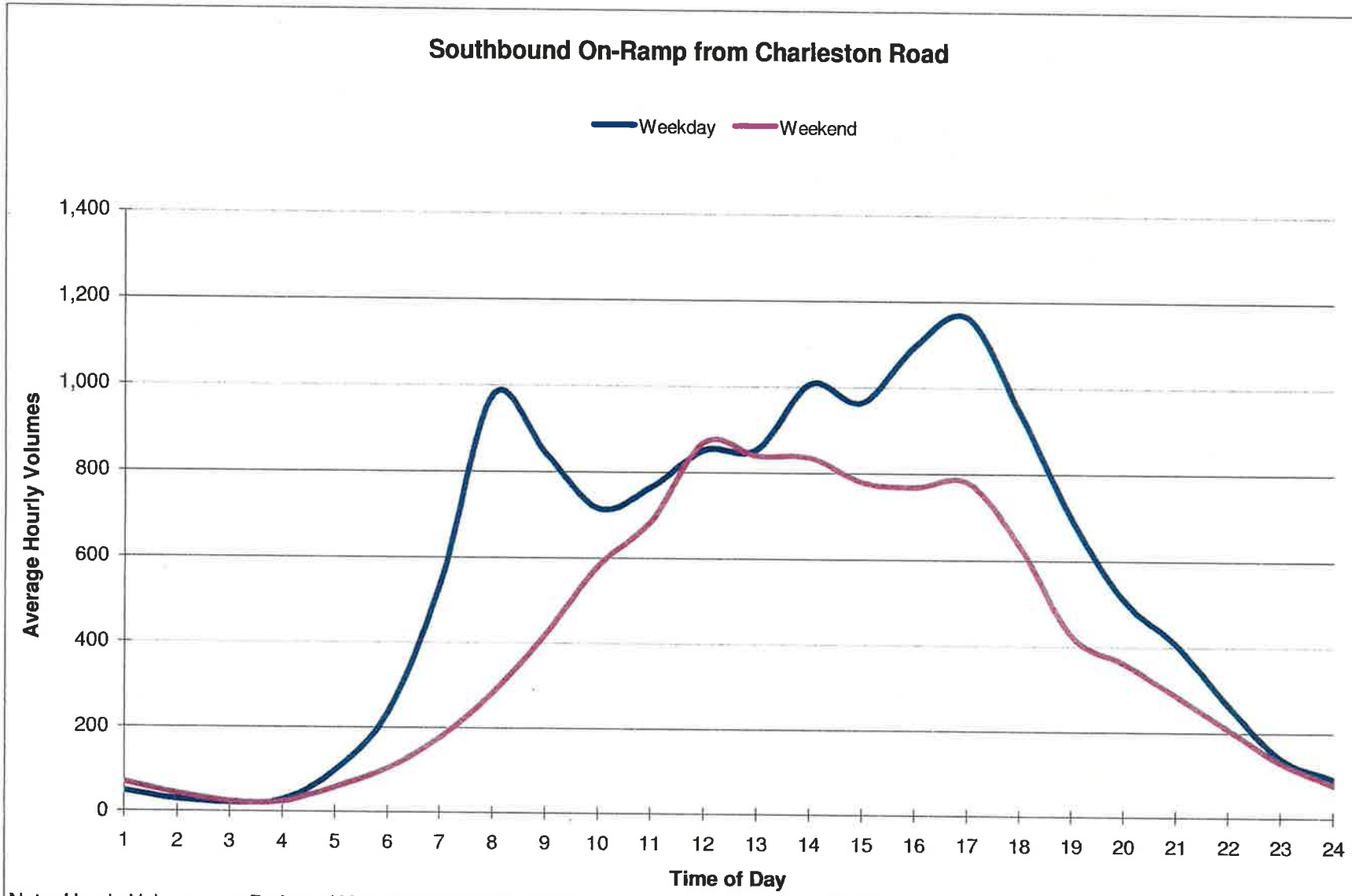
FROM HOUR TO HOUR	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Mondays through Thursdays	C	C	C	C	C																			C	C
Fridays	C	C	C	C	C																			C	C
Saturdays	C	C	C	C	C	C																	C	C	C
Sundays	C	C	C	C	C	C																	C	C	C

Legend:

C	Ramp may be closed completely
	Work permitted within project right of way where shoulder or lane closure is not required.

REMARKS:

- No two (2) consecutive on-ramps or off-ramps in the same direction shall be closed concurrently.
- Detour traffic as per Detour Plan (CS-16)



Note: Hourly Volumes are Projected Year 2013 volumes based on data provided by CALTRANS

Chart No. 18
Complete Ramp Closure Hours/Ramp Lane Requirements

County: Santa Clara	Route/Direction: Highway 101/Southbound	PM: 48.69

Closure Limits: Highway 101, Southbound Off-Ramp to Shoreline Boulevard

FROM HOUR TO HOUR	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Mondays through Thursdays	C	C	C	C	C																		C	C	
Fridays	C	C	C	C	C																		C	C	
Saturdays	C	C	C	C	C	C																C	C	C	
Sundays	C	C	C	C	C	C																C	C	C	

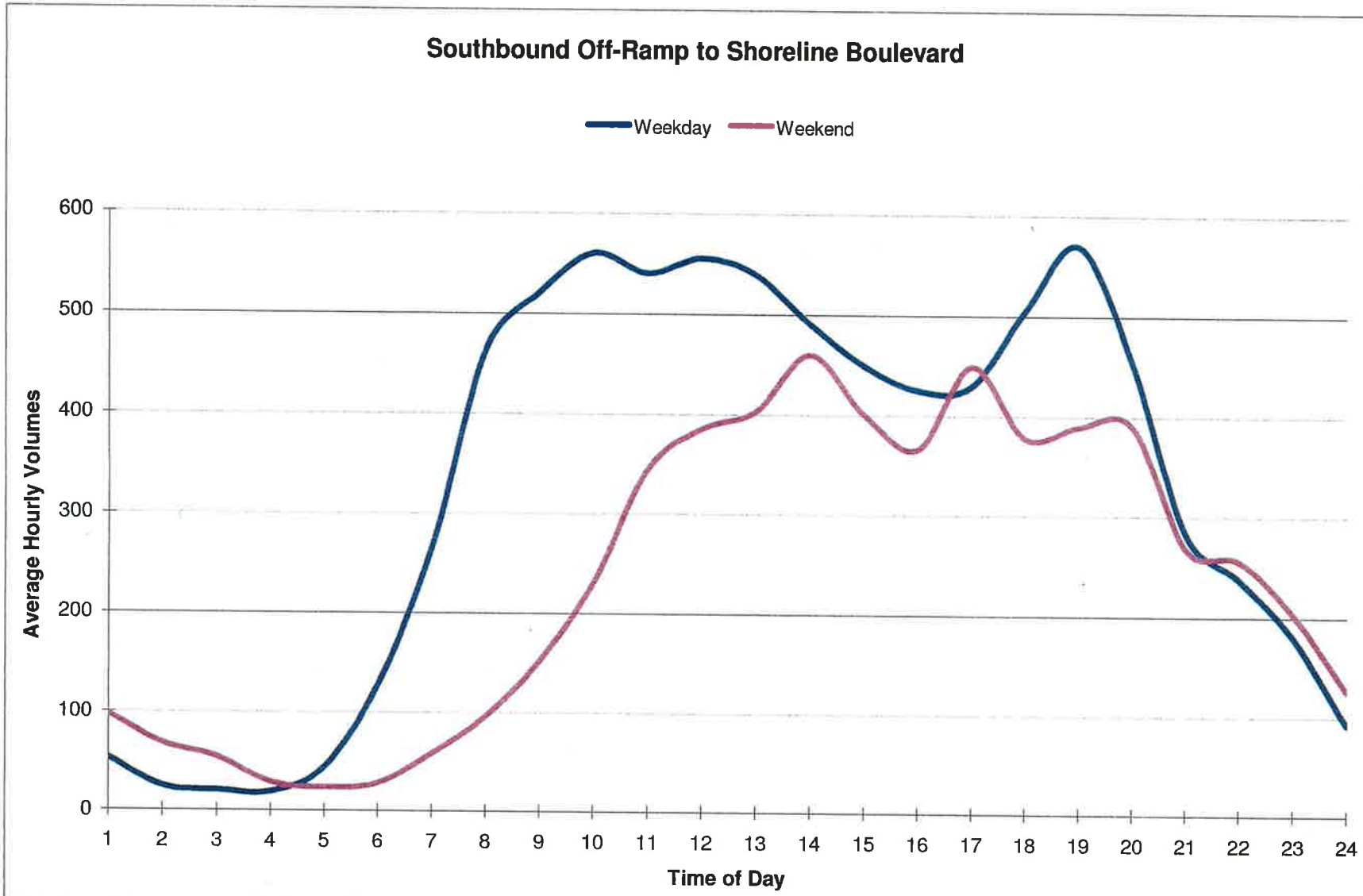
Legend:

C Ramp may be closed completely

Work permitted within project right of way where shoulder or lane closure is not required.

REMARKS:

- No two (2) consecutive on-ramps or off-ramps in the same direction shall be closed concurrently.
- Detour traffic as per Detour Plan (CS-17)



Note: Hourly Volumes are Projected Year 2013 volumes based on data provided by CALTRANS

Chart No. 19
Complete Ramp Closure Hours/Ramp Lane Requirements

County: Santa Clara	Route/Direction: Highway 101/Northbound	PM: 50.134

Closure Limits: Highway 101, Northbound Off-Ramp to San Antonio Road

FROM HOUR TO HOUR	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Mondays through Thursdays	C	C	C	C	C																			C	C
Fridays	C	C	C	C	C																			C	C
Saturdays	C	C	C	C	C	C																	C	C	C
Sundays	C	C	C	C	C	C																	C	C	C

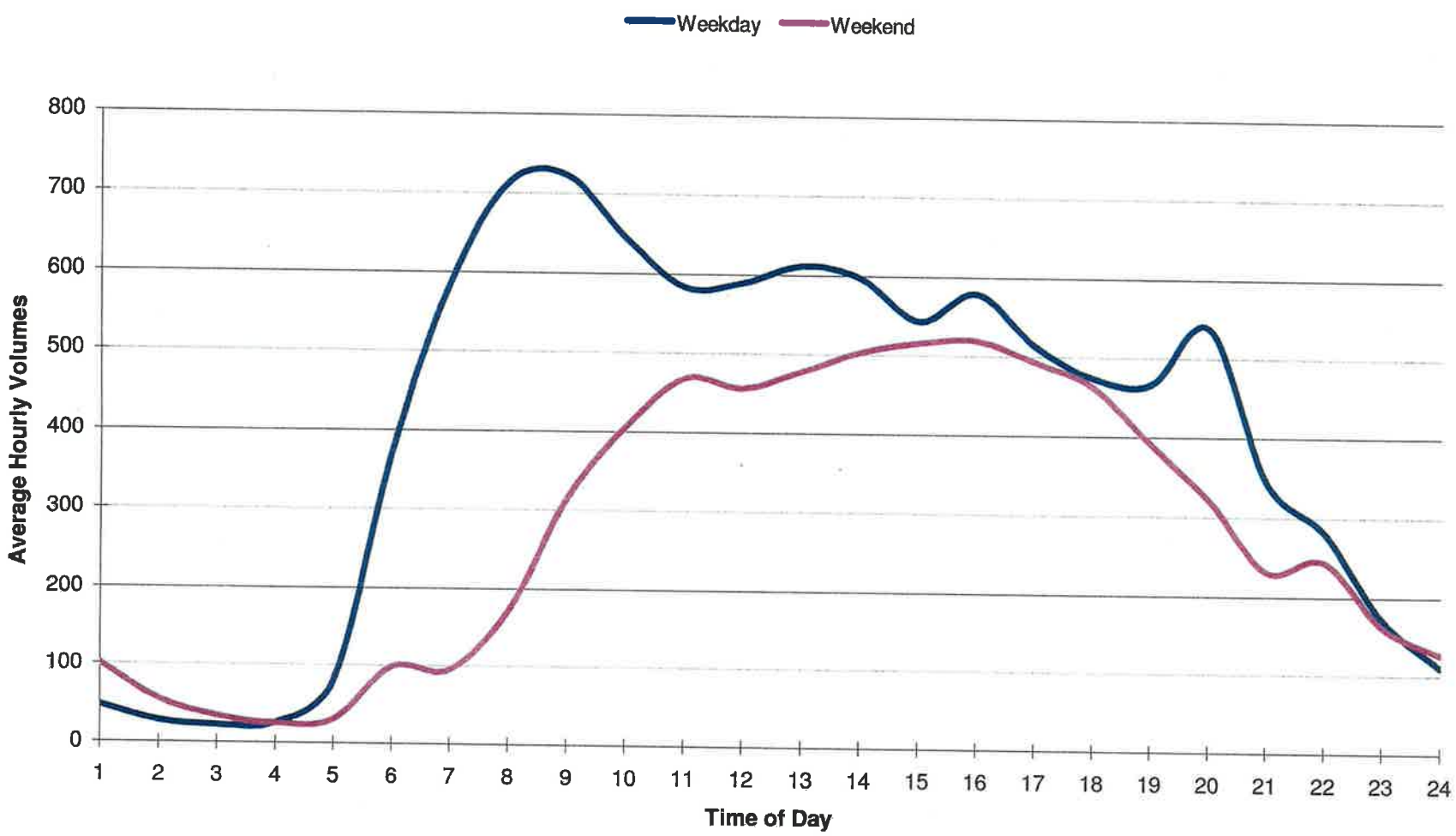
Legend:

C Ramp may be closed completely

Work permitted within project right of way where shoulder or lane closure is not required.

REMARKS:

- No two (2) consecutive on-ramps or off-ramps in the same direction shall be closed concurrently.
- Detour traffic as per Detour Plan (CS-18)



Note: Hourly Volumes are Projected Year 2013 volumes based on data provided by CALTRANS

Chart No. 20
Complete Trail Closure Hours

County: Santa Clara	Route/Direction: Adobe Creek PUC	PM: Not Applicable

Closure Limits: Adobe Creek US 101 Pedestrian Undercrossing

FROM HOUR TO HOUR	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Mondays through Thursdays	C	C	C	C	C																	C	C	C	
Fridays	C	C	C	C	C																	C	C	C	
Saturdays	C	C	C	C	C																	C	C	C	
Sundays	C	C	C	C	C																	C	C	C	

Legend:

C	Bridge may be closed completely
	The Contractor shall limit the closures hours of the Adobe Creek PUC from April 1 to October 1 to the hours stated in the chart above. The contractor shall also be limited to the number of days that these closures shall be allowed to not more than 30 days for the duration of the contract. The Adobe Creek PUC will be completely closed between October 2 and March 31.

REMARKS:

- Detour traffic as per Detour Plan (CS-19)

Chart No. 21
Long-term Ramp Closure Hours/Ramp Lane Requirements

County: Santa Clara	Route/Direction: Highway 101/Northbound	PM: 48.6

Closure Limits: Highway 101, Northbound On-Ramp from North Shoreline Boulevard

FROM HOUR TO HOUR	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Mondays through Thursdays	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Fridays	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Saturdays	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Sundays	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

Legend:

2	Provide at least two adjacent lanes open

Chart No. 22
Complete Ramp Closure Hours/Ramp Lane Requirements

County: Santa Clara	Route/Direction: Highway 101/Northbound	PM: 48.3

Closure Limits: Highway 101, Northbound SR 85 HOV Connector

FROM HOUR TO HOUR	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Mondays through Thursdays	C	C	C	C							C	C	C	C							C	C	C	C	
Fridays	C	C	C	C							C	C	C	C							C	C	C	C	
Saturdays	C	C	C	C							C	C	C	C							C	C	C	C	
Sundays	C	C	C	C							C	C	C	C							C	C	C	C	

Legend:

C Ramp may be closed completely

Work permitted within project right of way where shoulder or lane closure is not required.

REMARKS:

- No two (2) consecutive on-ramps or off-ramps in the same direction shall be closed concurrently.
- Detour traffic as per Detour Plan (CS-21)

Chart No. 23
Complete Ramp Closure Hours/Ramp Lane Requirements

County: Santa Clara	Route/Direction: Highway 101/Southbound	PM: 52.0

Closure Limits: Highway 101, Southbound On-Ramp from Embarcadero Road

FROM HOUR TO HOUR	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Mondays through Thursdays																									
Fridays																									
Saturdays	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Sundays	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C

Legend:

C Ramp may be closed completely

Work permitted within project right of way where shoulder or lane closure is not required.

REMARKS:

- No two (2) consecutive on-ramps or off-ramps in the same direction shall be closed concurrently.

Appendix D
Stage Construction Plans, Traffic Handling Plans and Construction Area Sign Plans

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

URS Corporation
100 W San Fernando St
Suite 200
San Jose, CA 95113

Santa Clara Valley
Transportation Authority
3331 N First Street
San Jose, CA 95134

LEGEND

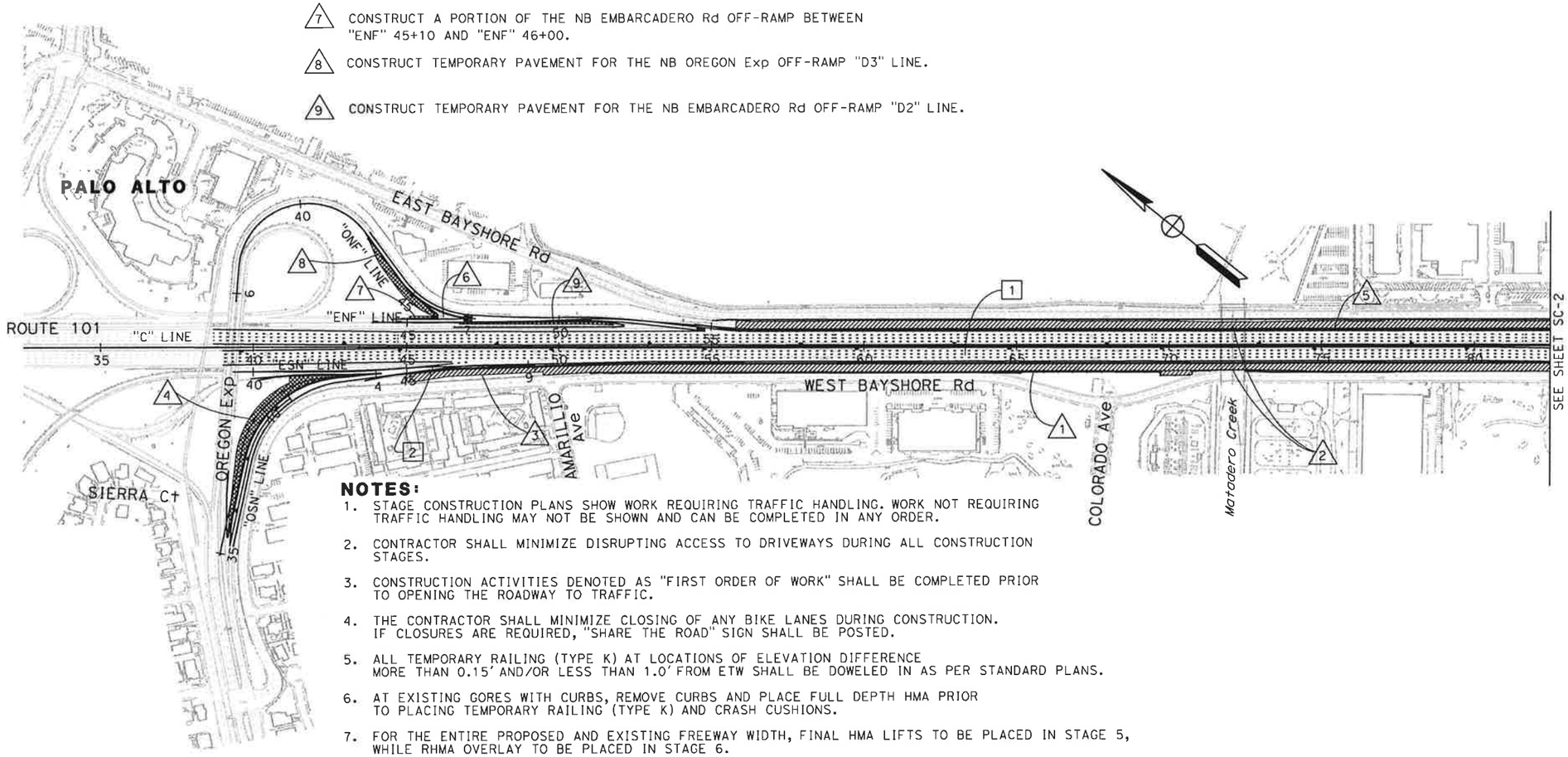
- CONSTRUCTION THIS STAGE
- TEMPORARY PAVEMENT
- REMOVE PAVEMENT
- (X) CONSTRUCTION ITEM NUMBER
- [X] TRAFFIC ITEM NUMBER

STAGE 1 CONSTRUCTION

1. CONSTRUCT SB ROUTE 101 WIDENING BETWEEN "C" 49+22 AND "C" 119+83 WITH EXCEPTION OF PLACING 0.15' RHMA-G AND MATCHING HMA-A WITH EXISTING PCC ELEVATION.
2. CONSTRUCT SB & NB MATADERO CREEK BRIDGE WIDENING.
3. CONSTRUCT A PORTION OF THE SB EMBARCADERO Rd ON-RAMP BETWEEN "ESN" 45+00 AND "ESN" 49+22.
4. CONSTRUCT TEMPORARY PAVEMENT FOR THE SB OREGON Exp ON-RAMP "D1" LINE.
5. CONSTRUCT NB ROUTE 101 WIDENING BETWEEN "C" 55+80 AND "C" 113+93 WITH EXCEPTION OF PLACING 0.15' RHMA-G AND MATCHING HMA-A WITH EXISTING ELEVATION AT SAWCUT. CONSTRUCT A PORTION OF THE NB SAN ANTONIO Rd LOOP ON-RAMP BETWEEN "SANN-L" 113+93 AND "SANN-L" 120+70.
6. REMOVE CURB AND GUTTER AND REPAVE THE TEMPORARY SHOULDER AND GORE FOR THE NB OREGON Exp OFF-RAMP "D3" LINE DURING NIGHT TIME CLOSURE.
7. CONSTRUCT A PORTION OF THE NB EMBARCADERO Rd OFF-RAMP BETWEEN "ENF" 45+10 AND "ENF" 46+00.
8. CONSTRUCT TEMPORARY PAVEMENT FOR THE NB OREGON Exp OFF-RAMP "D3" LINE.
9. CONSTRUCT TEMPORARY PAVEMENT FOR THE NB EMBARCADERO Rd OFF-RAMP "D2" LINE.

STAGE 1 TRAFFIC

1. MAINTAIN NUMBER OF LANES ON FREEWAY USING 11' LANES MINIMUM.
2. SHIFT SB EMBARCADERO Rd ON-RAMP TRAFFIC AWAY FROM RAMP NOSE DURING NIGHT TIME CONSTRUCTION.



NOTES:

1. STAGE CONSTRUCTION PLANS SHOW WORK REQUIRING TRAFFIC HANDLING. WORK NOT REQUIRING TRAFFIC HANDLING MAY NOT BE SHOWN AND CAN BE COMPLETED IN ANY ORDER.
2. CONTRACTOR SHALL MINIMIZE DISRUPTING ACCESS TO DRIVEWAYS DURING ALL CONSTRUCTION STAGES.
3. CONSTRUCTION ACTIVITIES DENOTED AS "FIRST ORDER OF WORK" SHALL BE COMPLETED PRIOR TO OPENING THE ROADWAY TO TRAFFIC.
4. THE CONTRACTOR SHALL MINIMIZE CLOSING OF ANY BIKE LANES DURING CONSTRUCTION. IF CLOSURES ARE REQUIRED, "SHARE THE ROAD" SIGN SHALL BE POSTED.
5. ALL TEMPORARY RAILING (TYPE K) AT LOCATIONS OF ELEVATION DIFFERENCE MORE THAN 0.15' AND/OR LESS THAN 1.0' FROM ETW SHALL BE DOWELED IN AS PER STANDARD PLANS.
6. AT EXISTING GORES WITH CURBS, REMOVE CURBS AND PLACE FULL DEPTH HMA PRIOR TO PLACING TEMPORARY RAILING (TYPE K) AND CRASH CUSHIONS.
7. FOR THE ENTIRE PROPOSED AND EXISTING FREEWAY WIDTH, FINAL HMA LIFTS TO BE PLACED IN STAGE 5, WHILE RHMA OVERLAY TO BE PLACED IN STAGE 6.
8. FOR DRAINAGE WORK DURING CONSTRUCTION, SEE SHEETS D-18 TO D-24 AND DD-26 TO DD-29.
9. FOR ELECTRICAL WORK DURING CONSTRUCTION, SEE SHEETS E-62 TO E-135.
10. INSTALL MBGR ALONG MAINLINE TO FINAL ELEVATION.
11. FOR ALLOWABLE CLOSURE HOURS FOR THE ADOBE CREEK PEDESTRIAN UNDERCROSSING SEE "MAINTAINING TRAFFIC" OF THE PROJECT SPECIAL PROVISIONS.

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY

STAGE CONSTRUCTION (STAGE 1)

SCALE: 1" = 200'

SC-1

REVISED BY	DATE REVISED
A.G.	11/01/10

AMBER GRANT
LAN HO
CALCULATED-DESIGNED BY
CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR
CHRISTOPHER LILLIE

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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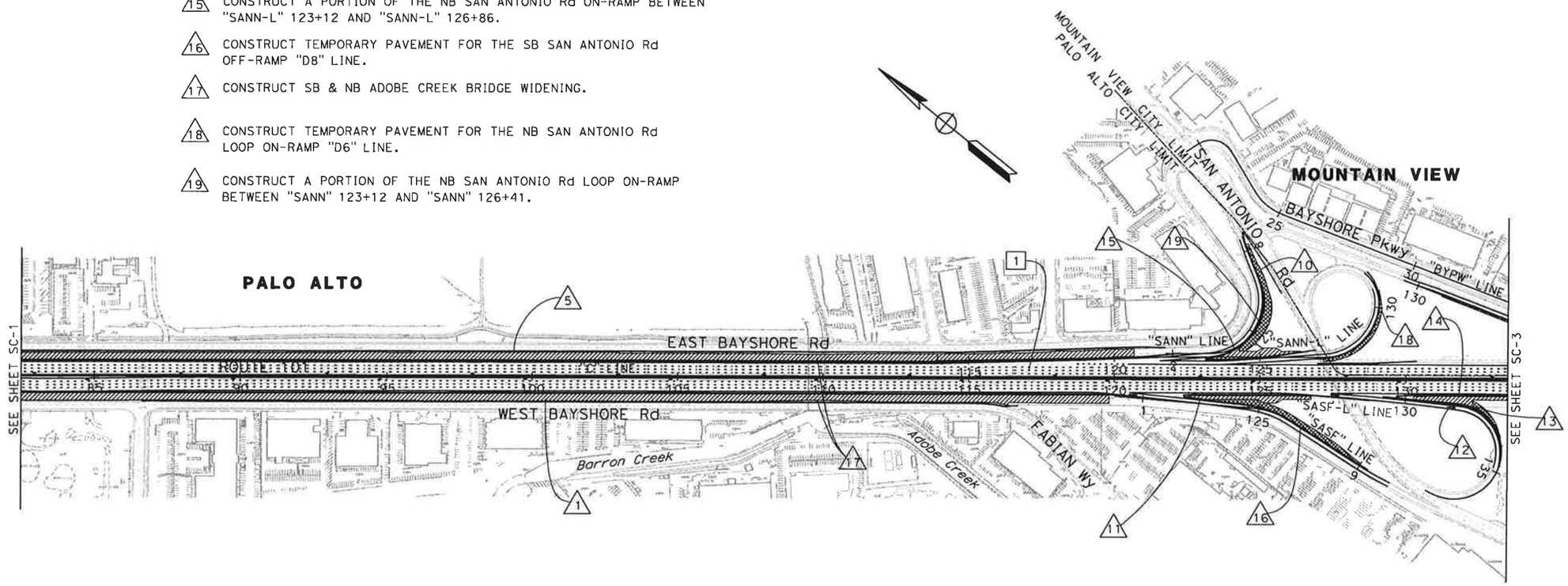
STAGE 1 CONSTRUCTION

10. CONSTRUCT TEMPORARY PAVEMENT FOR THE NB SAN ANTONIO Rd ON-RAMP "D7" LINE.
11. CONSTRUCT SB ROUTE 101 WIDENING BETWEEN "C" 122+56 AND "C" 126+76 WITH EXCEPTION OF PLACING 0.15' RHMA-G AND MATCHING HMA-A WITH EXISTING PCC ELEVATION.
12. CONSTRUCT A PORTION OF THE SB SAN ANTONIO Rd LOOP OFF-RAMP BETWEEN "SASF-L" 129+25 AND "SASF-L" 133+90.
13. CONSTRUCT TEMPORARY PAVEMENT FOR THE SB SAN ANTONIO Rd LOOP OFF-RAMP "D4" LINE.
14. CONSTRUCT SB ROUTE 101 WIDENING BETWEEN "C" 130+28 AND "C" 161+95 WITH EXCEPTION OF PLACING 0.15' RHMA-G AND MATCHING HMA-A WITH EXISTING PCC ELEVATION.
15. CONSTRUCT A PORTION OF THE NB SAN ANTONIO Rd ON-RAMP BETWEEN "SANN-L" 123+12 AND "SANN-L" 126+86.
16. CONSTRUCT TEMPORARY PAVEMENT FOR THE SB SAN ANTONIO Rd OFF-RAMP "D8" LINE.
17. CONSTRUCT SB & NB ADOBE CREEK BRIDGE WIDENING.
18. CONSTRUCT TEMPORARY PAVEMENT FOR THE NB SAN ANTONIO Rd LOOP ON-RAMP "D6" LINE.
19. CONSTRUCT A PORTION OF THE NB SAN ANTONIO Rd LOOP ON-RAMP BETWEEN "SANN" 123+12 AND "SANN" 126+41.



FOR NOTES AND LEGEND SEE SHEET SC-1

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY

STAGE CONSTRUCTION (STAGE 1)

SCALE: 1" = 200'

SC-2

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4	SCI	101	48.7/52.0		

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PLANS APPROVAL DATE

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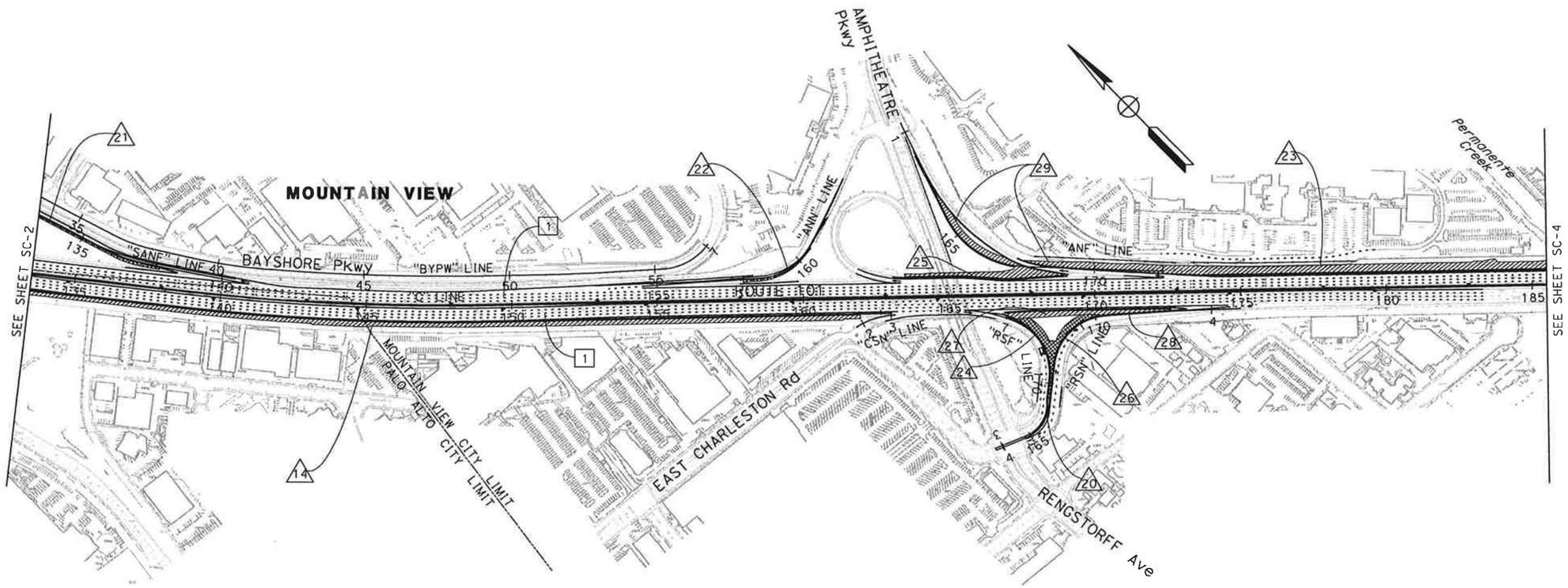
STAGE 1 CONSTRUCTION

20. REMOVE CONCRETE MEDIAN ISLAND ALONG RENGSTORFF Ave SB ON-RAMP BETWEEN "RSN" 165+90 AND "RSN" 166+50.
21. CONSTRUCT TEMPORARY PAVEMENT FOR THE NB SAN ANTONIO Ave OFF-RAMP "D5" LINE.
22. CONSTRUCT TEMPORARY PAVEMENT FOR THE NB AMPHITHEATRE Pkwy ON-RAMP "D10" LINE.
23. CONSTRUCT NB ROUTE 101 WIDENING BETWEEN "C" 172+35 AND "C" 193+14 WITH EXCEPTION OF PLACING 0.15' RHMA-G AND MATCHING HMA-A WITH EXISTING ELEVATION AT SAWCUT.
24. CONSTRUCT TEMPORARY PAVEMENT FOR THE SB RENGSTORFF Ave OFF-RAMP "D11" LINE.
25. CONSTRUCT NB ROUTE 101 WIDENING BETWEEN "C" 163+50 AND "C" 169+00 WITH EXCEPTION OF PLACING 0.15' RHMA-G AND MATCHING HMA-A WITH EXISTING ELEVATION AT SAWCUT.
26. CONSTRUCT TEMPORARY PAVEMENT FOR THE SB RENGSTORFF Ave ON-RAMP "D9" LINE.
27. CONSTRUCT SB ROUTE 101 WIDENING BETWEEN "C" 166+90 AND "C" 172+61 WITH EXCEPTION OF PLACING 0.15' RHMA-G AND MATCHING HMA-A WITH EXISTING PCC ELEVATION.
28. CONSTRUCT A PORTION OF THE SB RENGSTORFF Ave ON-RAMP BETWEEN "RSN" 169+60 AND "RSN" 172+61.
29. CONSTRUCT A PORTION OF THE NB AMPHITHEATRE PKWY OFF-RAMP BETWEEN "ANF" 161+90 AND "ANF" 172+36. PLACE CONTAMINATED SOIL UNDERNEATH PROPOSED STRUCTURAL SECTION.



FOR NOTES AND LEGEND SEE SHEET SC-1

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY

STAGE CONSTRUCTION (STAGE 1)

SCALE: 1" = 200'

SC-3

REVISED BY	DATE REVISED
A.G.	11/01/10

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CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE

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4	SCl	101	48.7/52.0		

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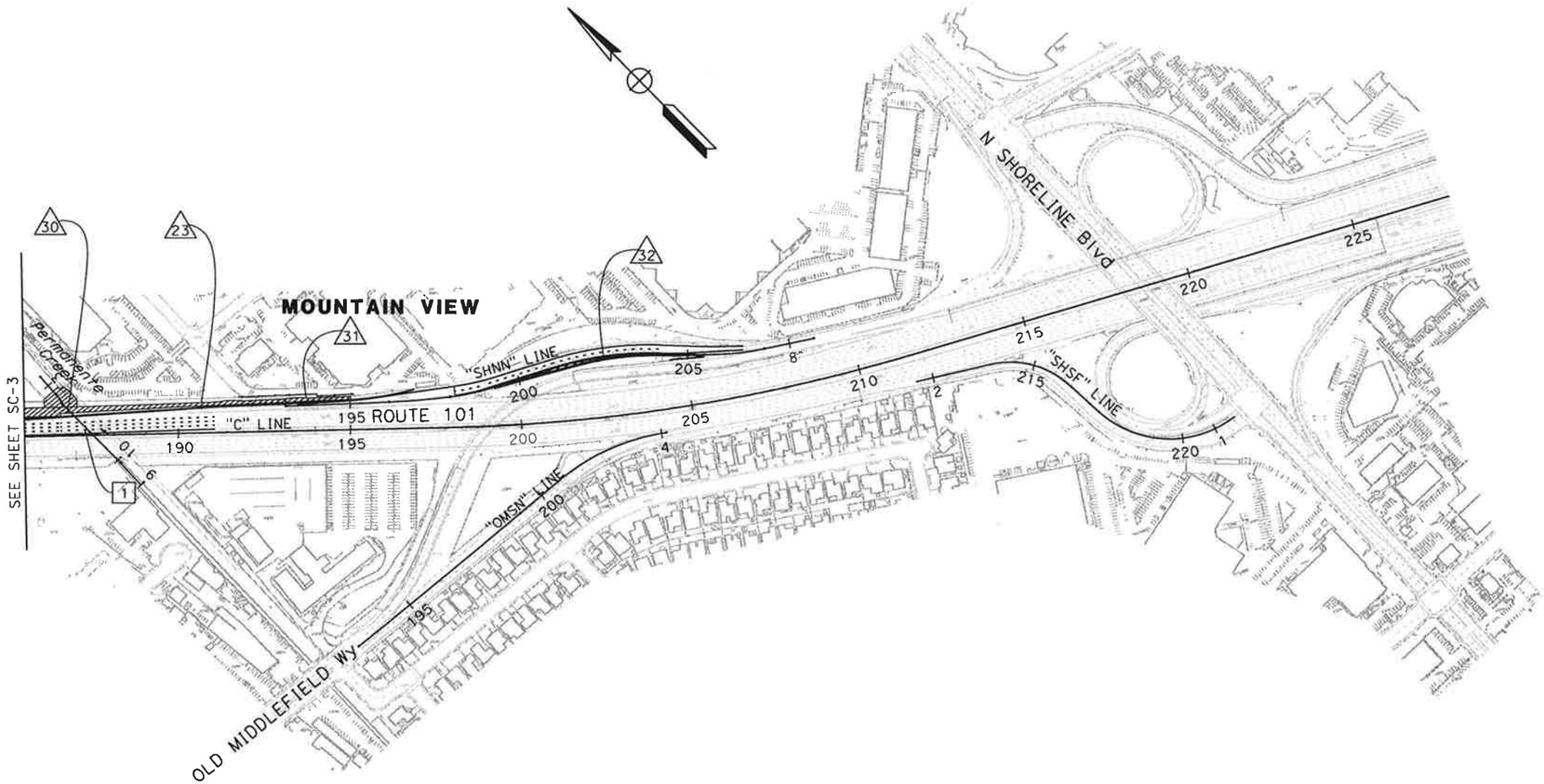
STAGE 1 CONSTRUCTION

30 CONSTRUCT THE NB PERMANENTE CREEK BOX CULVERT EXTENSION AND WINGWALLS.

31 CONSTRUCT A PORTION OF THE NB SHORELINE Blvd ON-RAMP BETWEEN "SHNN" 193+14 AND "SHNN" 195+03.

32 CONSTRUCT A PORTION OF THE NB SHORELINE Blvd ON-RAMP BETWEEN "SHNN" 199+25 AND "SHNN" 205+08.



FOR NOTES AND LEGEND SEE SHEET SC-1

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY

STAGE CONSTRUCTION (STAGE 1)

SCALE: 1" = 200'

SC-4

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CALCULATED-DESIGNED BY: AMBER GRANT
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REVISED BY: A.G.
DATE REVISED: 11/01/10

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DATE PLOTTED => 11/5/2010
TIME PLOTTED => 1:05:29 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

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PLANS APPROVAL DATE

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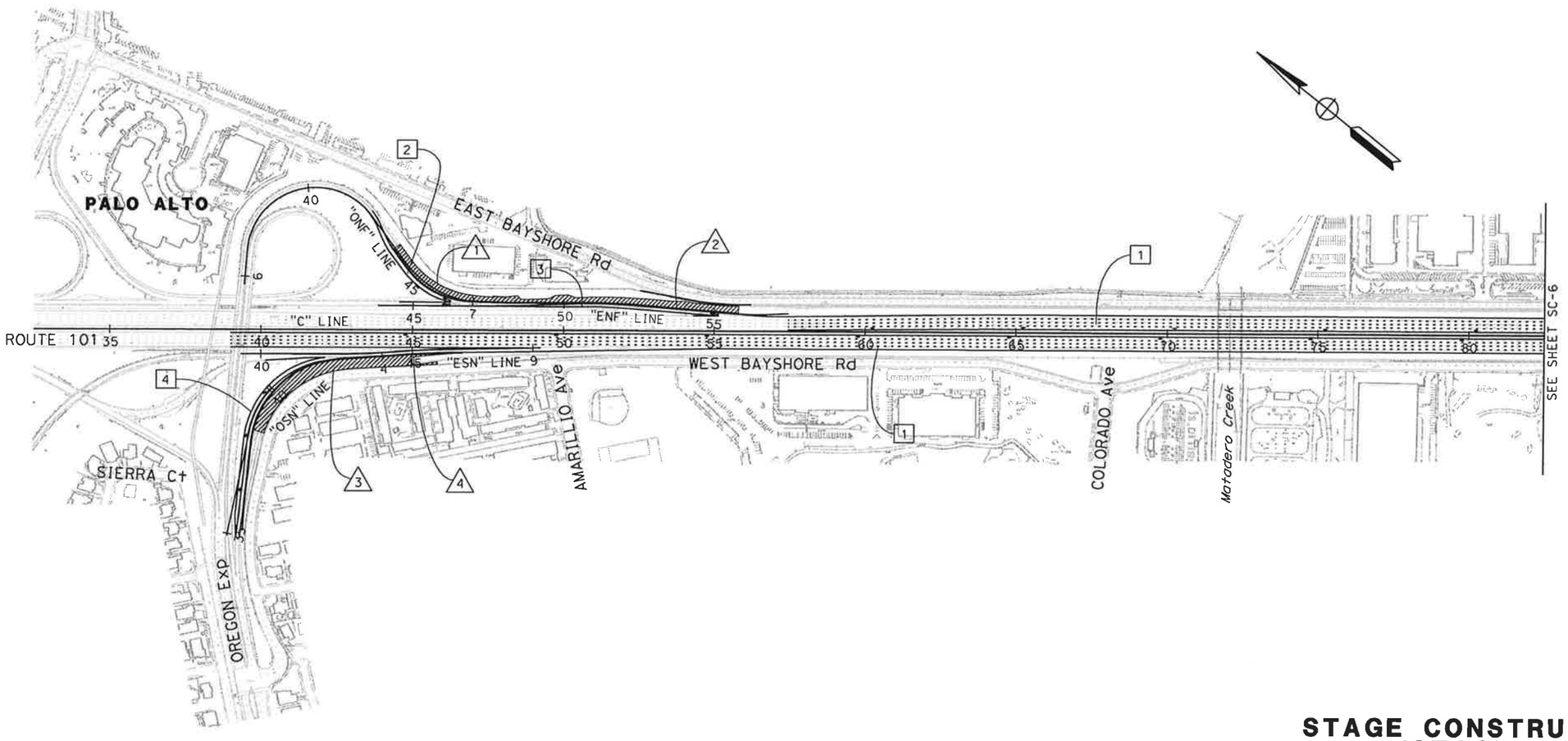
STAGE 2 CONSTRUCTION

1. CONSTRUCT THE NB OREGON Exp OFF-RAMP BETWEEN "ONF" 43+73 AND "ONF" 47+24.
2. CONSTRUCT A PORTION OF THE NB EMBARCADERO Rd OFF-RAMP BETWEEN "ENF" 47+24 AND "ENF" 55+80.
3. CONSTRUCT A PORTION OF THE SB OREGON Exp ON-RAMP BETWEEN "OSN" 38+52 AND "OSN" 44+15.
4. CONSTRUCT A PORTION OF THE SB EMBARCADERO Rd ON-RAMP BETWEEN "ESN" 44+15 AND "ESN" 46+35.

STAGE 2 TRAFFIC

1. MAINTAIN NUMBER OF LANES ON FREEWAY USING 11' LANES MINIMUM.
2. SHIFT NB OREGON Exp OFF-RAMP "ONF" LINE TRAFFIC ONTO NEWLY CONSTRUCTED TEMPORARY RAMP "D3" LINE.
3. SHIFT NB EMBARCADERO Rd OFF-RAMP TRAFFIC ONTO NEWLY CONSTRUCTED TEMPORARY RAMP "D2" LINE.
4. SHIFT SB OREGON Exp ON-RAMP "OSN" LINE TRAFFIC ONTO NEWLY CONSTRUCTED TEMPORARY RAMP "D1" LINE.



STAGE CONSTRUCTION (STAGE 2)

SCALE: 1" = 200'

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY

SC-5

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DATE PLOTTED => 11/5/2010
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BORDER LAST REVISED 7/2/2010

USERNAME => virgil_jimenez
DGN FILE => ...\MA-StageConst\44a3301ma05.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0712

PROJECT NUMBER & PHASE 0400011261

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCl	101	48.7/52.0		

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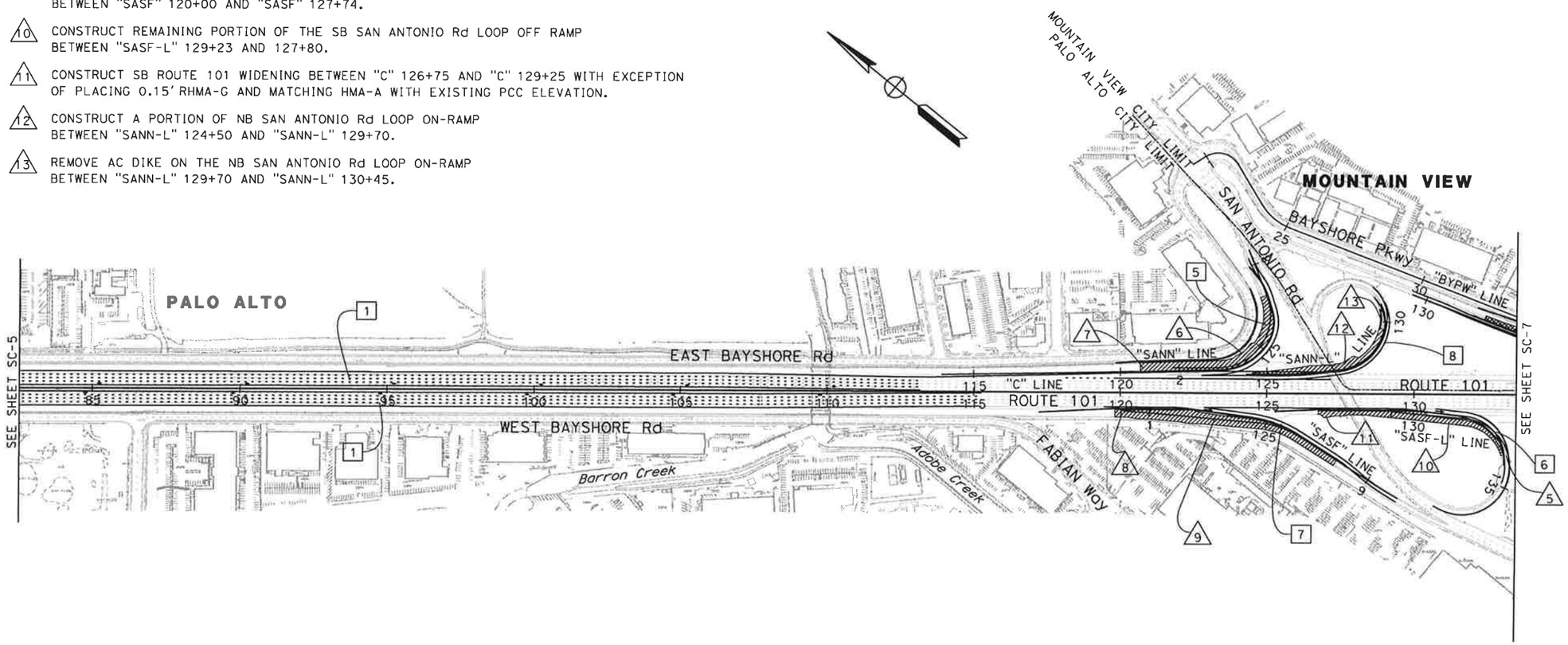
STAGE 2 CONSTRUCTION

5. CONSTRUCT HMA OVERLAY FOR THE SB SAN ANTONIO Rd LOOP OFF-RAMP BETWEEN "SASF-L" 133+00 AND "SASF-L" 133+80 DURING NIGHT TIME CLOSURE AT THE START OF STAGE 2.
6. CONSTRUCT THE NB SAN ANTONIO Rd DIAGONAL ON-RAMP BETWEEN "SANN" 121+80 AND "SANN" 126+80.
7. CONSTRUCT A PORTION OF THE NB SAN ANTONIO Rd LOOP ON-RAMP BETWEEN "SANN-L" 120+70 AND "SANN-L" 121+80.
8. CONSTRUCT SB ROUTE 101 WIDENING BETWEEN "C" 119+83 AND "C" 120+00 WITH EXCEPTION OF PLACING 0.15' RHMA-G AND MATCHING HMA-A WITH EXISTING PCC ELEVATION.
9. CONSTRUCT REMAINING PORTION OF THE SB SAN ANTONIO Rd OFF-RAMP BETWEEN "SASF" 120+00 AND "SASF" 127+74.
10. CONSTRUCT REMAINING PORTION OF THE SB SAN ANTONIO Rd LOOP OFF RAMP BETWEEN "SASF-L" 129+23 AND 127+80.
11. CONSTRUCT SB ROUTE 101 WIDENING BETWEEN "C" 126+75 AND "C" 129+25 WITH EXCEPTION OF PLACING 0.15' RHMA-G AND MATCHING HMA-A WITH EXISTING PCC ELEVATION.
12. CONSTRUCT A PORTION OF NB SAN ANTONIO Rd LOOP ON-RAMP BETWEEN "SANN-L" 124+50 AND "SANN-L" 129+70.
13. REMOVE AC DIKE ON THE NB SAN ANTONIO Rd LOOP ON-RAMP BETWEEN "SANN-L" 129+70 AND "SANN-L" 130+45.

STAGE 2 TRAFFIC

5. SHIFT NB SAN ANTONIO Rd DIAGONAL ON-RAMP "SANN" LINE TRAFFIC ONTO NEWLY CONSTRUCTED TEMPORARY RAMP "D7" LINE.
6. SHIFT SB SAN ANTONIO Rd LOOP OFF RAMP "SASF-L" LINE TRAFFIC ONTO NEWLY CONSTRUCTED TEMPORARY RAMP "D4" LINE.
7. SHIFT SB SAN ANTONIO Rd OFF-RAMP "SASF" LINE TRAFFIC ONTO NEWLY CONSTRUCTED TEMPORARY RAMP "D8" LINE.
8. SHIFT NB SAN ANTONIO Rd LOOP ON-RAMP "SANN-L" LINE TRAFFIC ONTO NEWLY CONSTRUCTED TEMPORARY RAMP "D6" LINE.



FOR GENERAL NOTES AND LEGEND
SEE SHEET SC-1
FOR STAGE 2 CONSTRUCTION NOTES
SEE SHEET SC-5

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY

STAGE CONSTRUCTION (STAGE 2)

SCALE: 1" = 200'

SC-6

REVISED BY	DATE REVISED
A.G.	11/01/10

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CONSULTANT FUNCTIONAL SUPERVISOR
CHRISTOPHER LILLIE

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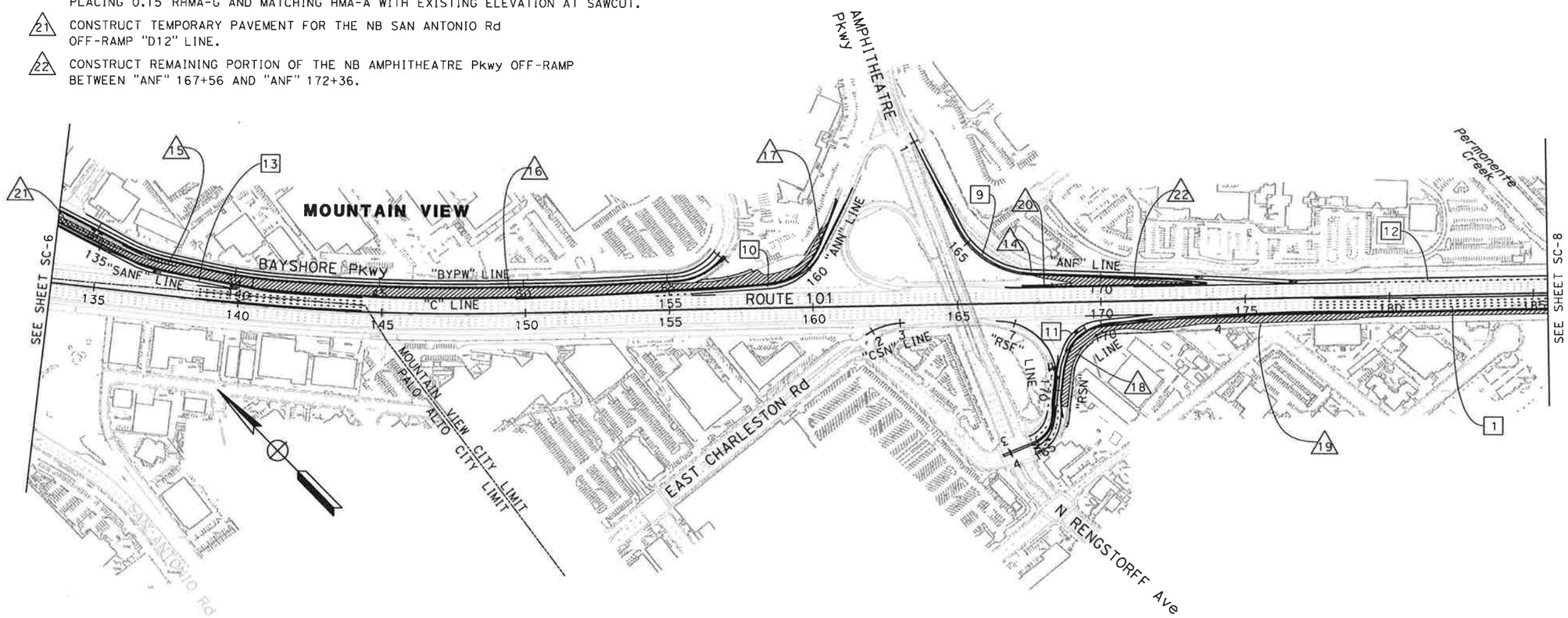
STAGE 2 CONSTRUCTION

14. CONSTRUCT HMA OVERLAY AT THE EXISTING NB AMPHITHEATRE Pkwy OFF-RAMP BETWEEN "ANF" 167+10 AND "ANF" 168+30 DURING NIGHT CLOSURE AT THE START OF STAGE 2.
15. CONSTRUCT A PORTION OF THE NB SAN ANTONIO Rd OFF-RAMP BETWEEN "SANF" 133+80 AND "SANF" 140+44.
16. CONSTRUCT NB ROUTE 101 WIDENING BETWEEN "C" 140+44 AND "C" 152+89 WITH EXCEPTION OF PLACING 0.15' RHMA-G AND MATCHING HMA-A WITH EXISTING ELEVATION AT SAWCUT.
17. CONSTRUCT A PORTION OF THE NB AMPHITHEATRE Pkwy ON-RAMP BETWEEN "ANN" 152+89 AND "ANN" 161+70.
18. CONSTRUCT A PORTION OF THE SB RENGSTORFF Ave ON RAMP BETWEEN "RSN" 166+50 AND "RSN" 174+97 WITH EXCEPTION OF PLACING THE MBGR.
19. CONSTRUCT SB ROUTE 101 WIDENING BETWEEN "C" 174+97 AND "C" 202+12 WITH EXCEPTION OF PLACING 0.15' RHMA-G AND MATCHING HMA-A WITH EXISTING PCC ELEVATION.
20. CONSTRUCT NB ROUTE 101 WIDENING BETWEEN "C" 167+26 AND "C" 173+16 WITH EXCEPTION OF PLACING 0.15' RHMA-G AND MATCHING HMA-A WITH EXISTING ELEVATION AT SAWCUT.
21. CONSTRUCT TEMPORARY PAVEMENT FOR THE NB SAN ANTONIO Rd OFF-RAMP "D12" LINE.
22. CONSTRUCT REMAINING PORTION OF THE NB AMPHITHEATRE Pkwy OFF-RAMP BETWEEN "ANF" 167+56 AND "ANF" 172+36.

STAGE 2 TRAFFIC

9. SHIFT NB AMPHITHEATRE Pkwy OFF-RAMP "ANF" LINE TRAFFIC TO NEWLY CONSTRUCTED PAVEMENT.
10. SHIFT NB AMPHITHEATRE ON-RAMP TRAFFIC ONTO NEWLY CONSTRUCTED TEMPORARY RAMP "D10" LINE.
11. SHIFT SB RENGSTORFF Ave ON-RAMP "RSN" LINE TRAFFIC TO NEWLY CONSTRUCTED TEMPORARY RAMP ON THE "D9" LINE.
12. OPEN NEWLY CONSTRUCTED AUXILIARY LANE TO NB ROUTE 101 MAINLINE TRAFFIC.
13. SHIFT NB SAN ANTONIO Rd OFF-RAMP "SANF" LINE TRAFFIC TO NEWLY CONSTRUCTED TEMPORARY RAMP ON THE "D5" LINE.



FOR GENERAL NOTES AND LEGEND
SEE SHEET SC-1
FOR STAGE 2 CONSTRUCTION NOTES
SEE SHEET SC-5

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY

STAGE CONSTRUCTION (STAGE 2)

SCALE 1" = 200'

SC-7

REVISED BY	DATE REVISED
A.G.	11/01/10

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STAGE 2 CONSTRUCTION

23 CONSTRUCT A PORTION OF THE SB OLD MIDDLEFIELD Wy ON RAMP BETWEEN "OMSN" 202+12 AND "OMSN" 204+15.

24 CONSTRUCT TEMPORARY PAVEMENT FOR THE SB OLD MIDDLEFIELD Wy ON RAMP "D13" LINE.

25 CONSTRUCT HMA OVERLAY FOR THE NB SHORELINE Blvd ON RAMP "SHNN" LINE USING CONSECUTIVE NIGHT TIME CLOSURES.

26 CONSTRUCT REMAINING PORTION OF THE NB SHORELINE Blvd ON RAMP BETWEEN "SHNN" 193+14 AND "SHNN" 199+25.

27 CONSTRUCT NB ROUTE 101 WIDENING BETWEEN "C" 193+14 AND "C" 208+85 WITH EXCEPTION OF PLACING 0.15' RHMA-G AND MATCHING HMA-A WITH EXISTING ELEVATION AT SAWCUT.

28 CONSTRUCT SB ROUTE 101 WIDENING BETWEEN Sta "C" 212+49 AND"C" 215+00 WITH EXCEPTION OF PLACING 0.15' RHMA-G AND MATCHING HMA-A WITH EXISTING PCC ELEVATION.

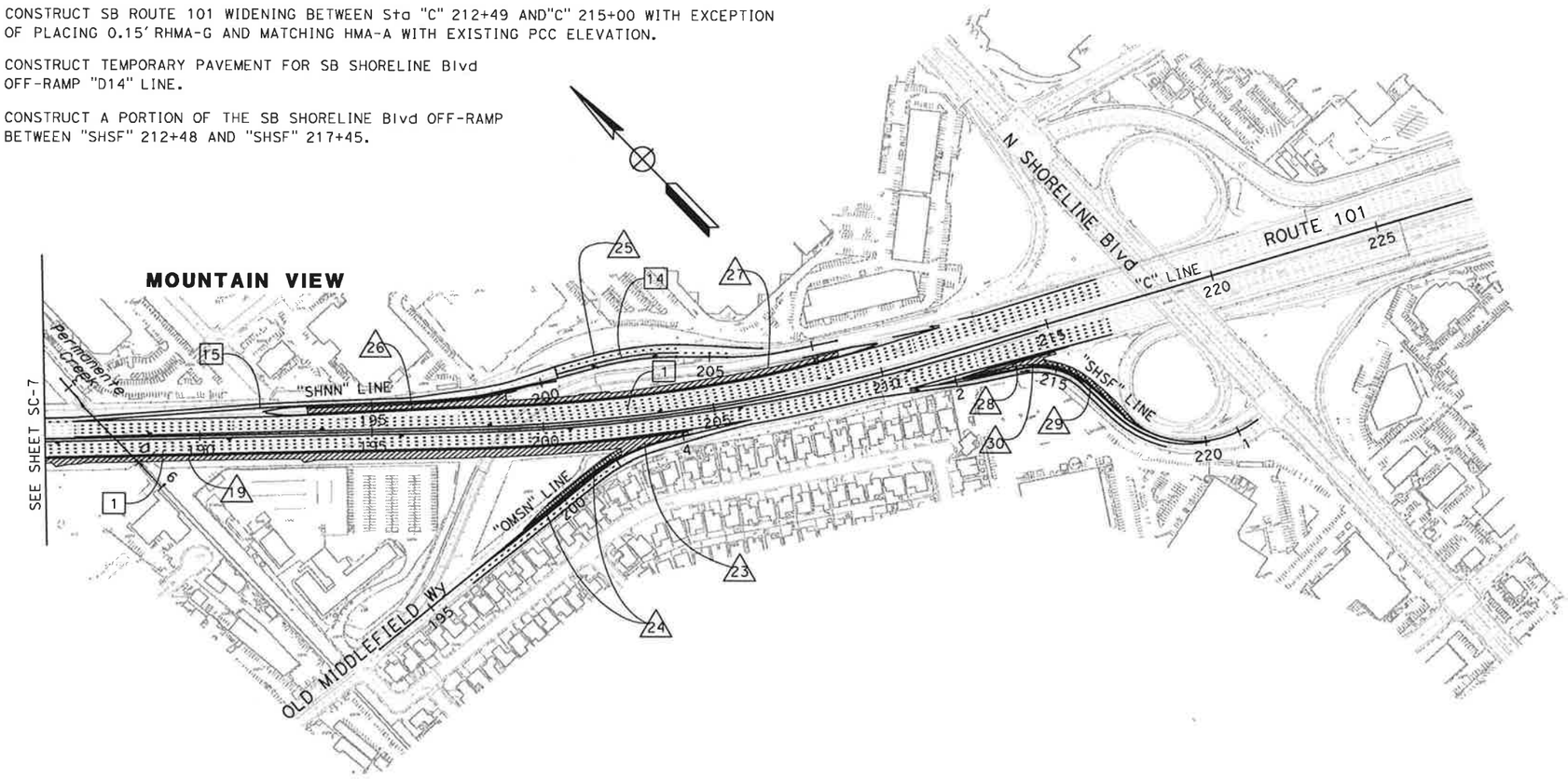
29 CONSTRUCT TEMPORARY PAVEMENT FOR SB SHORELINE Blvd OFF-RAMP "D14" LINE.

30 CONSTRUCT A PORTION OF THE SB SHORELINE Blvd OFF-RAMP BETWEEN "SHSF" 212+48 AND "SHSF" 217+45.

STAGE 2 TRAFFIC

14 SHIFT ON RAMP TRAFFIC ONTO THREE 12' LANES.

15 SHIFT TRAFFIC ONTO NEWLY CONSTRUCTED PAVEMENT.



FOR GENERAL NOTES AND LEGEND
SEE SHEET SC-1
FOR STAGE 2 CONSTRUCTION NOTES
SEE SHEET SC-5

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY

STAGE CONSTRUCTION (STAGE 2)

SCALE: 1" = 200'

SC-8

A.G.	11/01/10
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4	SCI	101	48.7/52.0		

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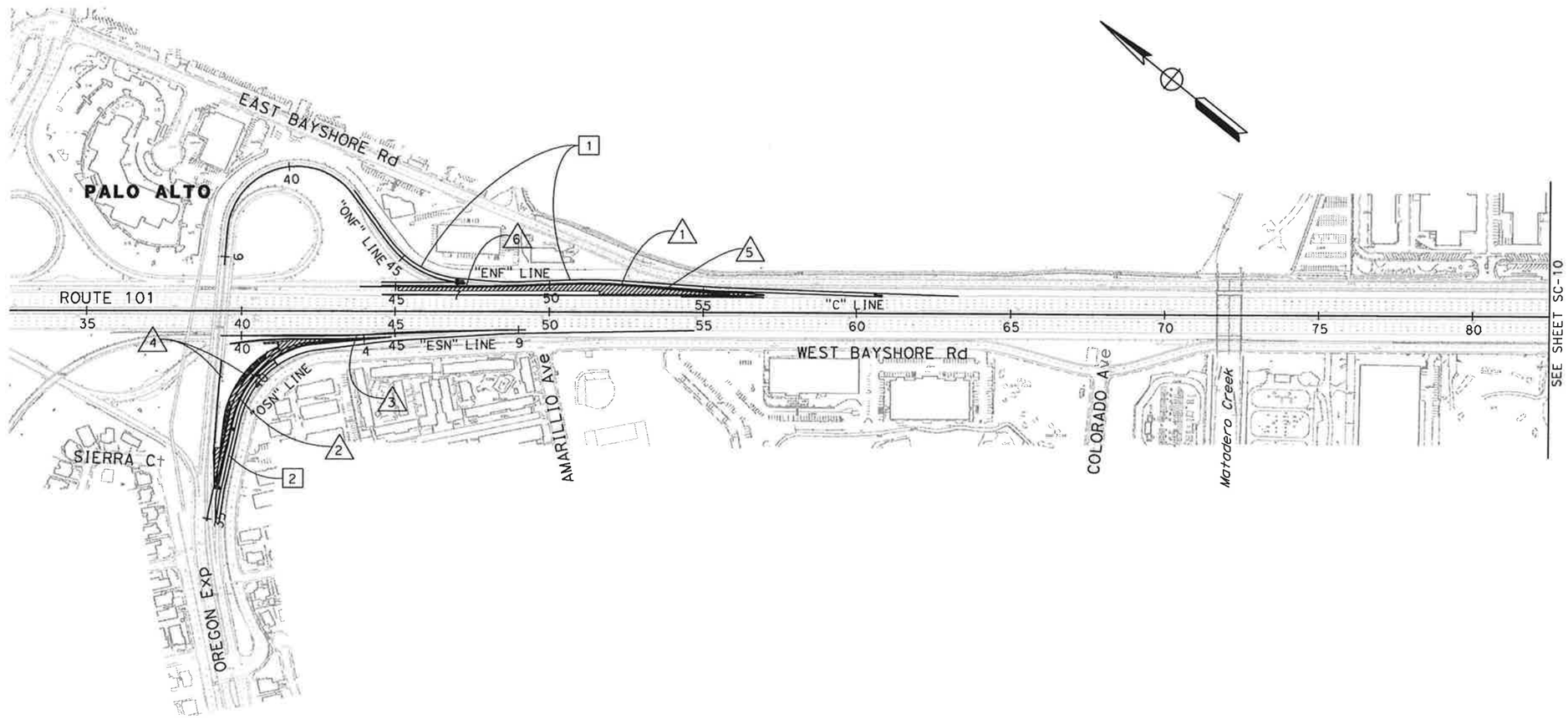
STAGE 3 CONSTRUCTION

1. CONSTRUCT HMA OVERLAY FOR THE NB EMBARCADERO Rd OFF-RAMP "ENF" LINE DURING NIGHT TIME CLOSURE AT THE START OF STAGE 3.
2. CONSTRUCT REMAINING PORTION OF SB OREGON Exp ON-RAMP BETWEEN "OSN" 36+45 AND "OSN" 43+00.
3. REMOVE CURB AND GUTTER AND CONSTRUCT DRAINAGE SYSTEM No.4 ALONG SB EMBARCADERO RD ON-RAMP "ESN" LINE DURING WEEKEND CLOSURE. CONSTRUCT HMA OVERLAY DURING NIGHT TIME CLOSURE.
4. REMOVE THE TEMPORARY PAVEMENT ALONG THE SB OREGON Exp ON-RAMP "OSN" LINE. REMOVE AND CONSTRUCT MBGR ALONG OREGON Exp OC.
5. CONSTRUCT GORE AND CONSTRAST SURFACE TREATMENT NB ROUTE 101 BETWEEN "C" 45+09 AND "C" 56+36.
6. CONSTRUCT REMAINING PORTION OF THE NB EMBARCADERO Rd OFF-RAMP BETWEEN "ENF" 45+08 AND "ENF" 55+80.

STAGE 3 TRAFFIC

1. SHIFT NB EMBARCADERO Rd OFF-RAMP "ENF" LINE TRAFFIC AND NB OREGON Exp OFF RAMP "ONF" LINE TRAFFIC ONTO NEWLY CONSTRUCTED PAVEMENT.
2. SHIFT SB OREGON Exp ON-RAMP "OSN" LINE TRAFFIC ONTO NEWLY CONSTRUCTED PAVEMENT.



FOR NOTES AND LEGEND SEE SHEET SC-1

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY

STAGE CONSTRUCTION (STAGE 3)

SCALE: 1" = 200'

SC-9

A.G.	11/01/10
REVISED BY	DATE REVISED
AMBER GRANT	LAN HO
CALCULATED-DESIGNED BY	CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR	CHRISTOPHER LILLIE

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Caltrans DESIGN

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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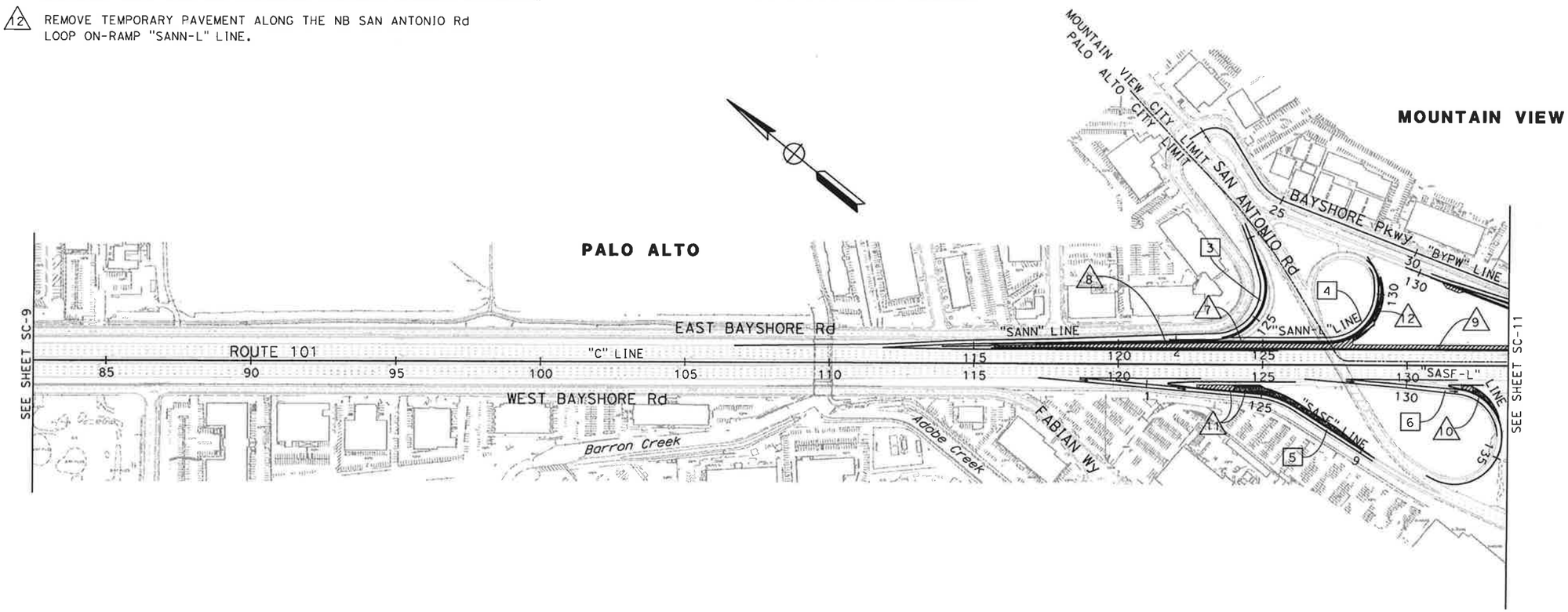
STAGE 3 CONSTRUCTION

7. REMOVE PORTION OF TEMPORARY RAMP "D7" LINE PREVIOUSLY OVERLAYED OVER THE NB SAN ANTONIO RD ON-RAMP "SANN-L" LINE DURING NIGHT TIME CLOSURE AT THE START OF STAGE 3.
8. CONSTRUCT REMAIN PORTION OF THE NB SAN ANTONIO Rd LOOP ON-RAMP BETWEEN "SANN-L" 115+70 AND "SANN-L" 129+75.
9. CONSTRUCT NB ROUTE 101 WIDENING BETWEEN "C" 115+70 AND "C" 140+50 WITH EXCEPTION OF PLACING 0.15' RHMA-G AND MATCHING HMA-A WITH EXISTING ELEVATION AT SAWCUT.
10. REMOVE TEMPORARY PAVEMENT ALONG THE SB SAN ANTONIO Rd LOOP OFF-RAMP "SASF-L" LINE AND CONSTRUCT CONSTRAST SURFACE TREATMENT.
11. REMOVE TEMPORARY PAVEMENT ALONG THE SB SAN ANTONIO Rd OFF-RAMP "SASF" LINE AND CONSTRUCT CONSTRAST SURFACE TREATMENT.
12. REMOVE TEMPORARY PAVEMENT ALONG THE NB SAN ANTONIO Rd LOOP ON-RAMP "SANN-L" LINE.

STAGE 3 TRAFFIC

3. SHIFT NB SAN ANTONIO Rd DIAGONAL ON-RAMP "SANN" LINE TRAFFIC ONTO NEWLY CONSTRUCTED PAVEMENT.
4. SHIFT NB SAN ANTONIO Rd LOOP ON-RAMP "SANN-L" TRAFFIC ONTO NEWLY CONSTRUCTED PAVEMENT ONLY AFTER THE REMOVAL OF THE PORTION OF TEMPORARY RAMP "D7" LINE PREVIOUSLY OVERLAYED OVER THE NB SAN ANTONIO RD ON RAMP "SANN-L" LINE.
5. SHIFT SB SAN ANTONIO Rd OFF-RAMP "SASF" LINE TRAFFIC ONTO NEWLY CONSTRUCTED PAVEMENT.
6. SHIFT SB SAN ANTONIO Rd LOOP OFF-RAMP "SASF-L" LINE TRAFFIC ONTO NEWLY CONSTRUCTED PAVEMENT.



FOR GENERAL NOTES AND LEGEND
SEE SHEET SC-1
FOR STAGE 3 CONSTRUCTION NOTES
SEE SHEET SC-9

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY

STAGE CONSTRUCTION (STAGE 3)

SCALE: 1" = 200'

SC-10

REVISED BY	DATE REVISED
A.G.	11/01/10

AMBER GRANT — CALCULATED-DESIGNED BY
LAN HO — CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN

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4	SCI	101	48.7/52.0		

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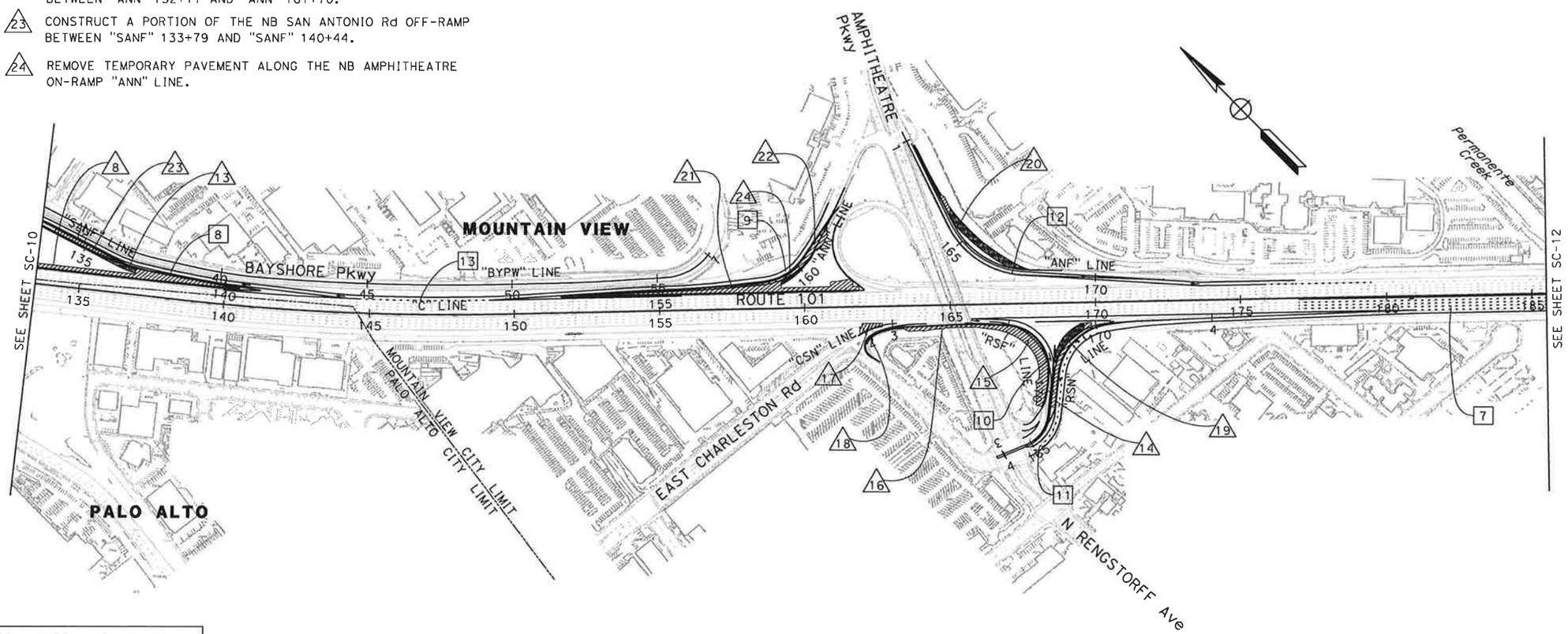
STAGE 3 CONSTRUCTION

13. REMOVE TEMPORARY PAVEMENT ALONG THE NB SAN ANTONIO Rd OFF-RAMP "SANF" LINE.
14. CONSTRUCT REMAINING PORTION OF THE SB RENGSTORFF Ave ON-RAMP BETWEEN "RSN" 166+50 AND "RSN" 169+85.
15. CONSTRUCT REMAINING PORTION OF THE SB RENGSTORFF Ave OFF-RAMP BETWEEN "RSF" 166+36 AND "RSF" 170+53.
16. CONSTRUCT SB ROUTE 101 WIDENING BETWEEN "C" 163+12 AND "C" 166+36 WITH EXCEPTION OF PLACING 0.15' RHMA-G AND MATCHING HMA-A WITH EXISTING ELEVATION AT SAWCUT.
17. CONSTRUCT RAMP, GORE, NOSE, AND HMA OVERLAY FOR THE SB CHARLESTON Rd ON-RAMP "CSN" LINE DURING CONSECUTIVE NIGHT TIME CLOSURES.
18. CONSTRUCT REMAINING PORTION OF THE SB CHARLESTON Rd ON-RAMP BETWEEN "CSN" 161+82 AND "CSN" 163+12.
19. REMOVE TEMPORARY PAVEMENT ALONG THE SB RENGSTORFF Ave ON-RAMP "RSN" LINE.
20. REMOVE EXISTING PAVEMENT ALONG THE NB AMPHITHEATRE Pkwy OFF-RAMP "ANF" LINE AND CONSTRUCT REMAINING PORTION OF RAMP.
21. CONSTRUCT NB ROUTE 101 WIDENING BETWEEN "C" 152+19 AND "C" 161+87 WITH EXCEPTION OF PLACING 0.15' RHMA-G AND MATCHING HMA-A WITH EXISTING ELEVATION AT SAWCUT.
22. CONSTRUCT REMAINING PORTION OF THE NB AMPHITHEATRE Pkwy ON-RAMP BETWEEN "ANN" 152+11 AND "ANN" 161+70.
23. CONSTRUCT A PORTION OF THE NB SAN ANTONIO Rd OFF-RAMP BETWEEN "SANF" 133+79 AND "SANF" 140+44.
24. REMOVE TEMPORARY PAVEMENT ALONG THE NB AMPHITHEATRE ON-RAMP "ANN" LINE.

STAGE 3 TRAFFIC

7. OPEN NEWLY CONSTRUCTED PAVEMENT TO SB MAINLINE TRAFFIC.
8. SHIFT NB SAN ANTONIO Rd OFF-RAMP "SANF" LINE TRAFFIC ONTO NEWLY CONSTRUCTED PAVEMENT AND TEMPORARY RAMP "D12" LINE.
9. SHIFT NB AMPHITHEATRE Pkwy ON-RAMP "ANN" LINE TRAFFIC ONTO NEWLY CONSTRUCTED PAVEMENT.
10. SHIFT SB RENGSTORFF Ave OFF-RAMP "RSF" LINE TRAFFIC ONTO TEMPORARY PAVEMENT ALONG "D11" LINE.
11. SHIFT SB RENGSTORFF Ave ON-RAMP "RSN" LINE TRAFFIC ONTO NEWLY CONSTRUCTED PAVEMENT.
12. SHIFT NB AMPHITHEATER PKWY OFF-RAMP "ANF" LINE TRAFFIC ONTO NEWLY CONSTRUCTED PAVEMENT.
13. OPENLY NEWLY CONSTRUCTED AUXILIARY LANE TO NB ROUTE 101 MAINLINE TRAFFIC.



FOR GENERAL NOTES AND LEGEND
SEE SHEET SC-1
FOR STAGE 3 CONSTRUCTION NOTES
SEE SHEET SC-9

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY

STAGE CONSTRUCTION (STAGE 3)

SCALE: 1" = 200'

SC-11

REVISED BY	DATE REVISED
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AMBER GRANT
LAN HO

CALCULATED-DESIGNED BY
CHECKED BY

CONSULTANT FUNCTIONAL SUPERVISOR
CHRISTOPHER LILLIE

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4	SCI	101	48.7/52.0		

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STAGE 3 CONSTRUCTION

25 CONSTRUCT A PORTION OF THE SB SHORELINE BLVD OFF-RAMP BETWEEN "SHSF" 211+51 AND "SHSF" 217+45.

26 CONSTRUCT HMA OVERLAY FOR THE NB SHORELINE Blvd ON-RAMP BETWEEN "SHNN" 193+14 AND "SHNN" 200+00 USING CONSECUTIVE NIGHT TIME CLOSURES.

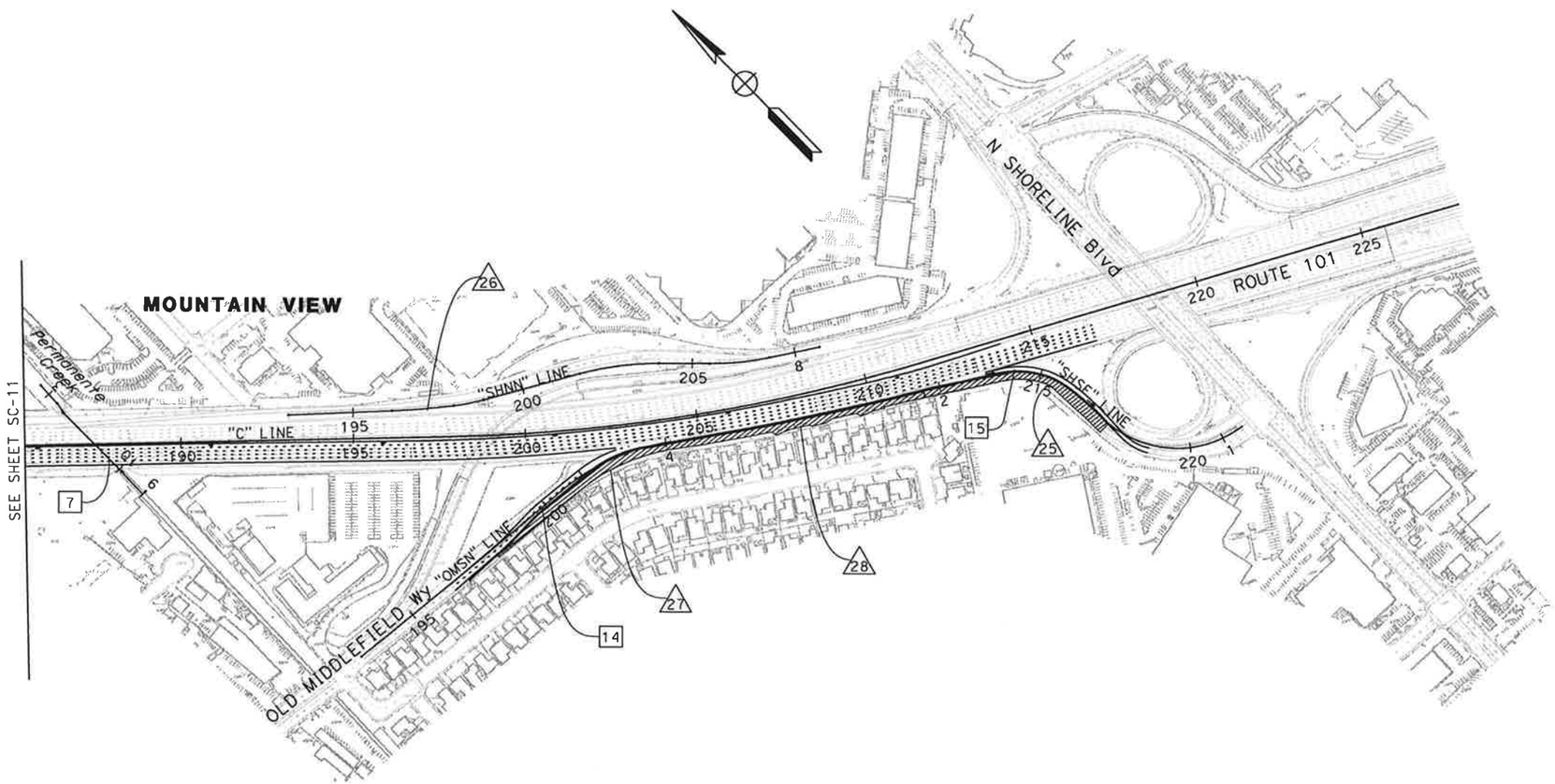
27 CONSTRUCT REMAINING PORTION OF THE SB OLD MIDDLEFILED Wy ON-RAMP BETWEEN "OMSN" 198+00 AND "OMSN" 204+14.

28 CONSTRUCT SB ROUTE 101 WIDENING BETWEEN "C" 204+14 AND "C" 211+51 WITH EXCEPTION OF PLACING 0.15' RHMA-G AND MATCHING HMA-A WITH EXISTING ELEVATION AT SAWCUT.

STAGE 3 TRAFFIC

14 SHIFT SB OLD MIDDLEFIELD Wy ON-RAMP "OMSN" LINE TRAFFIC ONTO NEWLY CONSTRUCTED TEMPORARY RAMP "D13" LINE.

15 SHIFT SB SHORELINE Blvd OFF-RAMP "SHSF" LINE TRAFFIC ONTO NEWLY BUILT TEMPORARY RAMP "D14" LINE.



FOR GENERAL NOTES AND LEGEND
SEE SHEET SC-1
FOR STAGE 3 CONSTRUCTION NOTES
SEE SHEET SC-9

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY

STAGE CONSTRUCTION (STAGE 3)

SCALE: 1" = 200'

SC-12

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REVISED BY: A.G.
DATE REVISED: 11/01/10

LAST REVISION 10-29-10
DATE PLOTTED => 11/5/2010
TIME PLOTTED => 1:05:39 PM

BORDER LAST REVISED 7/2/2010
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RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 0712
PROJECT NUMBER & PHASE 0400011261

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

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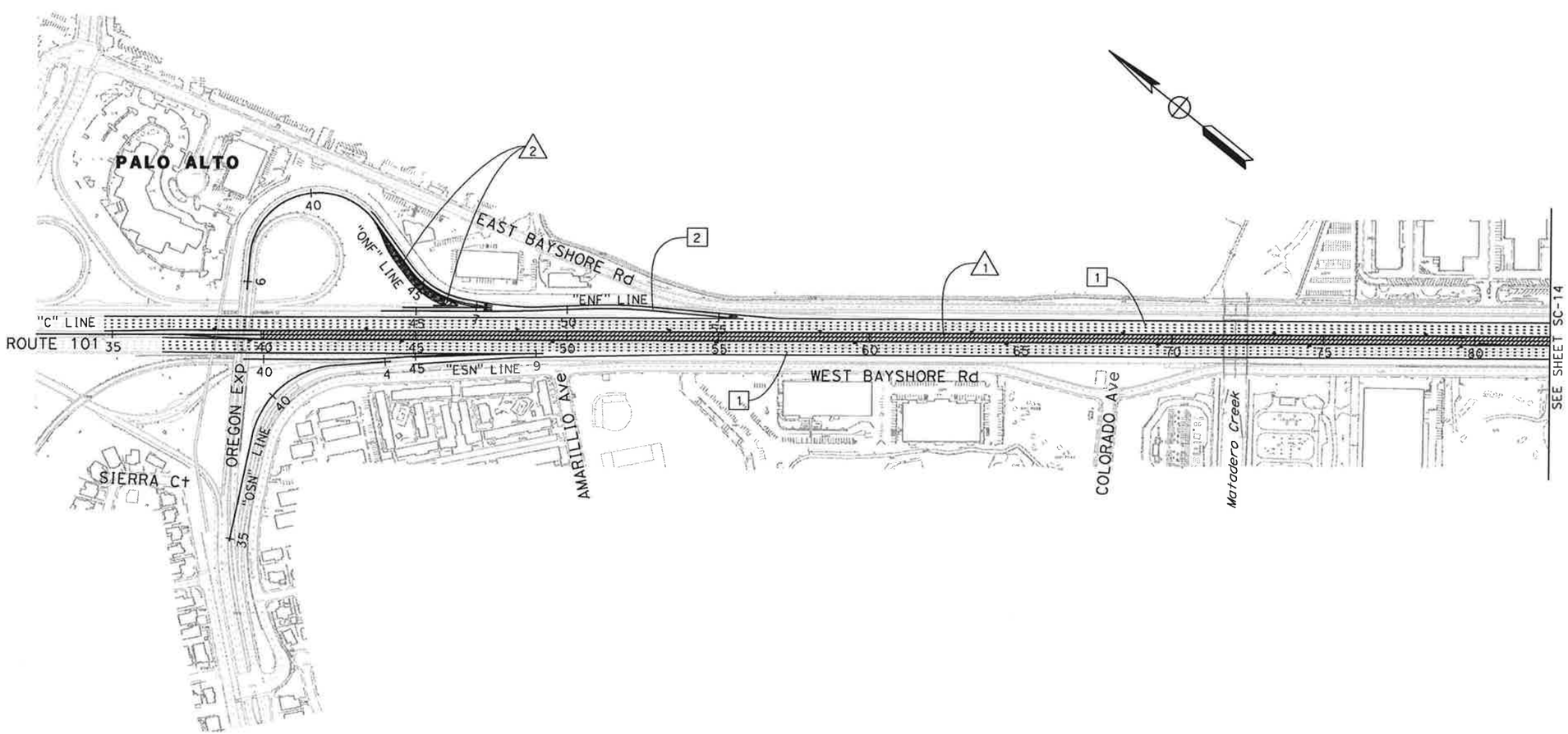
STAGE 4 CONSTRUCTION

1. CONSTRUCT PERMANENT FREEWAY MEDIAN BETWEEN "C" 39+90 AND "C" 215+00.
2. REMOVE TEMPORARY PAVEMENT FROM THE NB OREGON Exp OFF-RAMP "ONF" LINE AND CONSTRUCT REMAINING PERMANENT PORTION.

STAGE 4 TRAFFIC

1. MAINTAIN NUMBER OF LANES ON FREEWAY AND RAMPS USING 11' LANES MINIMUM.
2. SHIFT NB EMBARCADERO Rd "ENF" LINE TRAFFIC ONTO NEWLY CONSTRUCTED PAVEMENT.



FOR NOTES AND LEGEND SEE SHEET SC-1

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY

STAGE CONSTRUCTION (STAGE 4)

SCALE: 1" = 200'

SC-13

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DATE REVISED: 11/01/10

LAST REVISION DATE PLOTTED => 11/5/2010
TIME PLOTTED => 1:05:40 PM

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RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 0712
PROJECT NUMBER & PHASE 0400011261

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCl	101	48.7/52.0		

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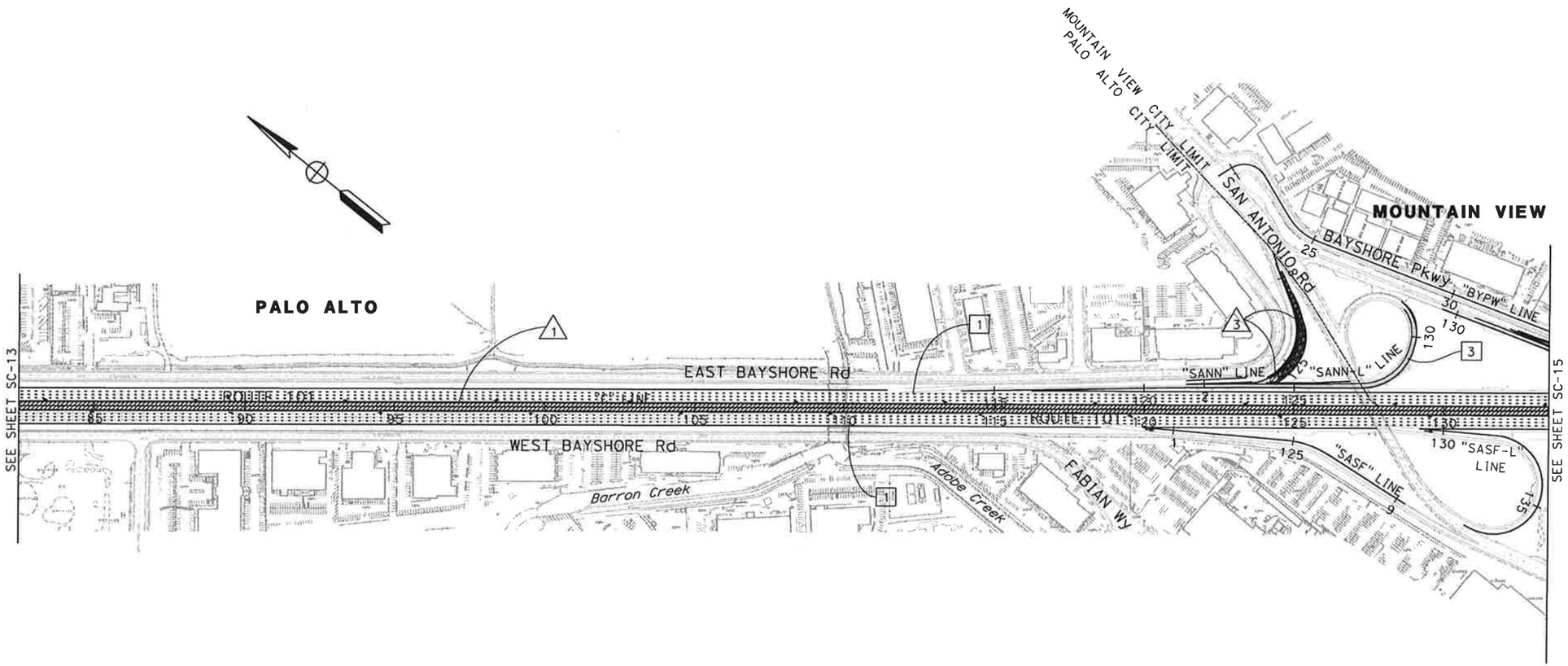
STAGE 4 CONSTRUCTION

3 REMOVE TEMPORARY PAVEMENT FROM THE NB SAN ANTONIO Rd ON-RAMP "SANN" LINE AND CONTRUCT REMAINING PORTION OF PERMANENT RAMP.

STAGE 4 TRAFFIC

3 SHIFT NB SAN ANTONIO Rd LOOP ON RAMP "SANN-L" TRAFFIC ONTO NEWLY CONSTRUCTED PAVEMENT.



FOR GENERAL NOTES AND LEGEND
SEE SHEET SC-1
FOR STAGE 4 CONSTRUCTION NOTES
SEE SHEET SC-13

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY

STAGE CONSTRUCTION (STAGE 4)

SCALE: 1" = 200'

SC-14

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DATE REVISED: 11/01/10

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4	SCI	101	48.7/52.0		

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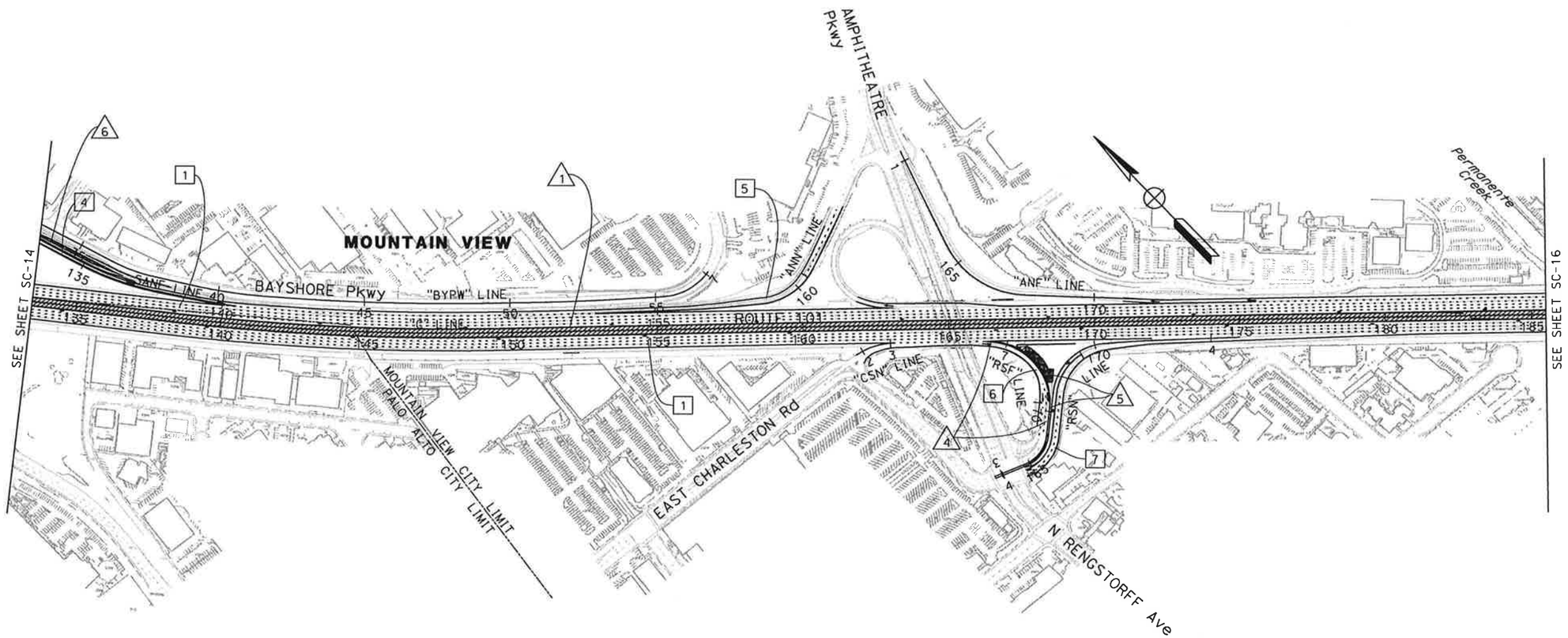
STAGE 4 CONSTRUCTION

4. CONSTRUCT HMA OVERLAY FOR THE SB RENSTORFF Ave OFF-RAMP BETWEEN "RSF" 166+52 AND "RSF" 167+00 AND BETWEEN "RSF" 169+00 AND "RSF" 170+53 USING NIGHT TIME CLOSURES AT THE START OF STAGE 4.
5. REMOVE TEMPORARY PAVEMENT FROM THE SB RENGSTORFF Ave OFF-RAMP "RSF" LINE AND CONSTRUCT CONCRETE MEDIAN BETWEEN "RSN" AND "RSF" LINE DURING NIGHT TIME CLOSURE.
6. REMOVE TEMPORARY PAVEMENT FROM THE NB SAN ANTONIO Rd OFF-RAMP "SANF" LINE.

STAGE 4 TRAFFIC

4. SHIFT NB SAN ANTONIO Rd OFF-RAMP "SANF" LINE TRAFFIC ONTO NEWLY CONSTRUCTED PAVEMENT.
5. SHIFT NB AMPHITHEATRE Pkwy ON-RAMP "ANN" LINE TRAFFIC ONTO NEWLY CONSTRUCTED PAVEMENT.
6. SHIFT SB RENGSTORFF Ave OFF-RAMP "RSF" LINE TRAFFIC ONTO NEWLY CONSTRUCTED PAVEMENT.
7. SHIFT SB RENGSTORFF Ave ON-RAMP "RSN" LINE TRAFFIC ONTO NEWLY CONSTRUCTED PAVEMENT USING THREE 12' LANES.



FOR GENERAL NOTES AND LEGEND
SEE SHEET SC-1
FOR STAGE 4 CONSTRUCTION NOTES
SEE SHEET SC-13

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY

STAGE CONSTRUCTION (STAGE 4)

SCALE: 1" = 200'

SC-15

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DATE PLOTTED => 11/5/2010
TIME PLOTTED => 1:05:43 PM

BORDER LAST REVISED 7/2/2010
USERNAME => virgil_jimenez
DGN FILE => ...\MA-StageConst\44a3301ma15.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 0712
PROJECT NUMBER & PHASE 0400011261

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCl	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

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STAGE 4 CONSTRUCTION

△7 REMOVE TEMPORARY PAVEMENT FROM THE SB SHORELINE Blvd OFF-RAMP "SHSF" LINE AND CONSTRUCT REMAINING PORTION OF THE PERMANENT RAMP.

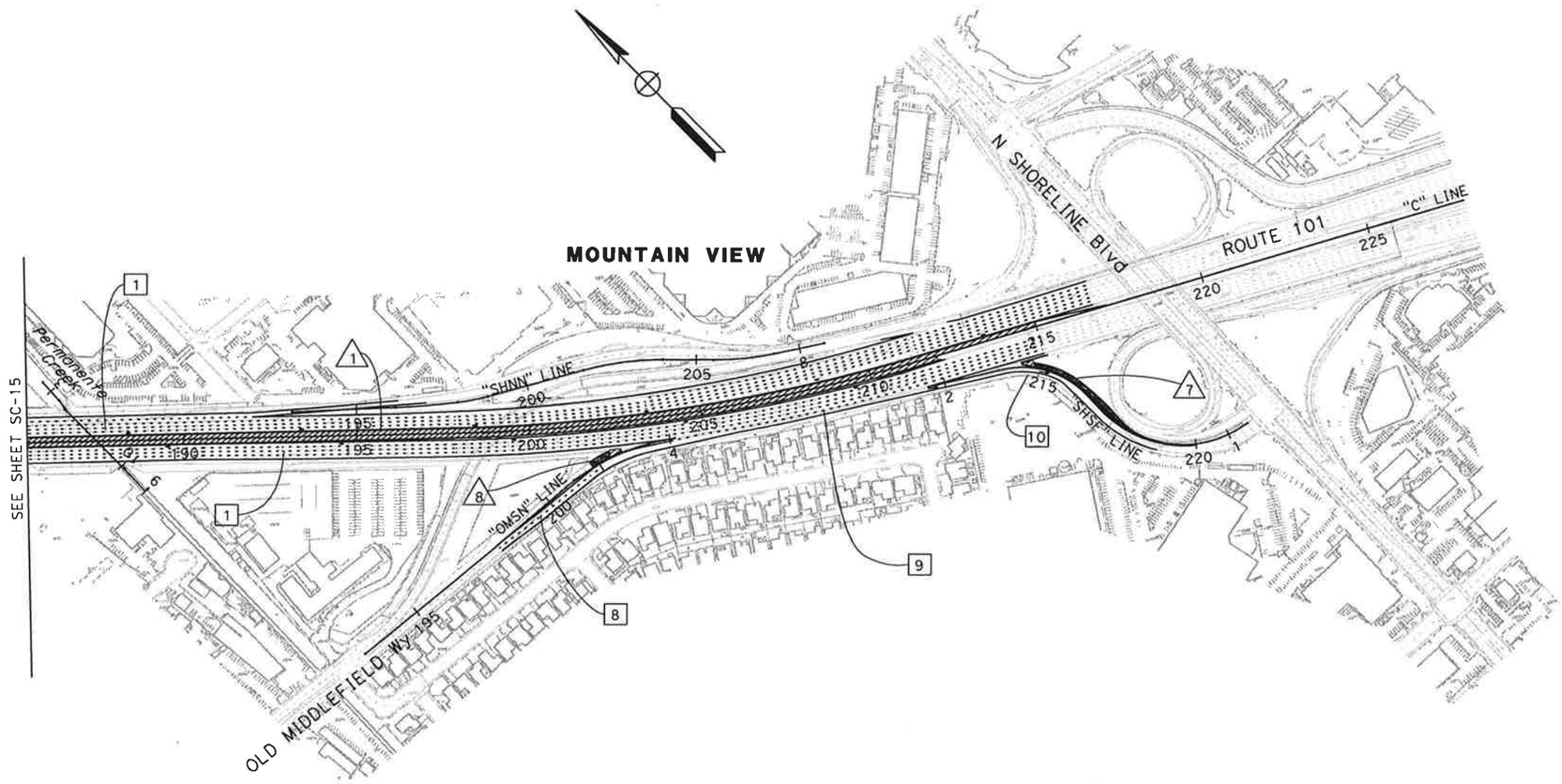
△8 REMOVE TEMPORARY PAVEMENT FROM THE SB OLD MIDDLEFIELD Wy ON-RAMP "OMSN" LINE AND CONSTRUCT REMAING PORTION OF THE PERMANENT RAMP.

STAGE 4 TRAFFIC

[8] SHIFT SB OLD MIDDLEFIELD Wy ON-RAMP "OMSN" LINE TRAFFIC ONTO NEWLY CONSTRUCTED PAVEMENT.

[9] SHIFT SB MAINLINE TRAFFIC ONTO NEWLY CONSTRUCTED PAVEMENT.

[10] SHIFT SB SHORELINE Blvd OFF-RAMP "SHSF" LINE TRAFFIC ONTO NEWLY CONSTRUCTED PAVEMENT.



FOR GENERAL NOTES AND LEGEND
SEE SHEET SC-1
FOR STAGE 4 CONSTRUCTION NOTES
SEE SHEET SC-13

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY

STAGE CONSTRUCTION (STAGE 4)

SCALE: 1" = 200'

SC-16

A.G.	11/01/10
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CONSULTANT FUNCTIONAL SUPERVISOR	
CHRISTOPHER LILLIE	

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DESIGN

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TIME PLOTTED => 1:05:44 PM

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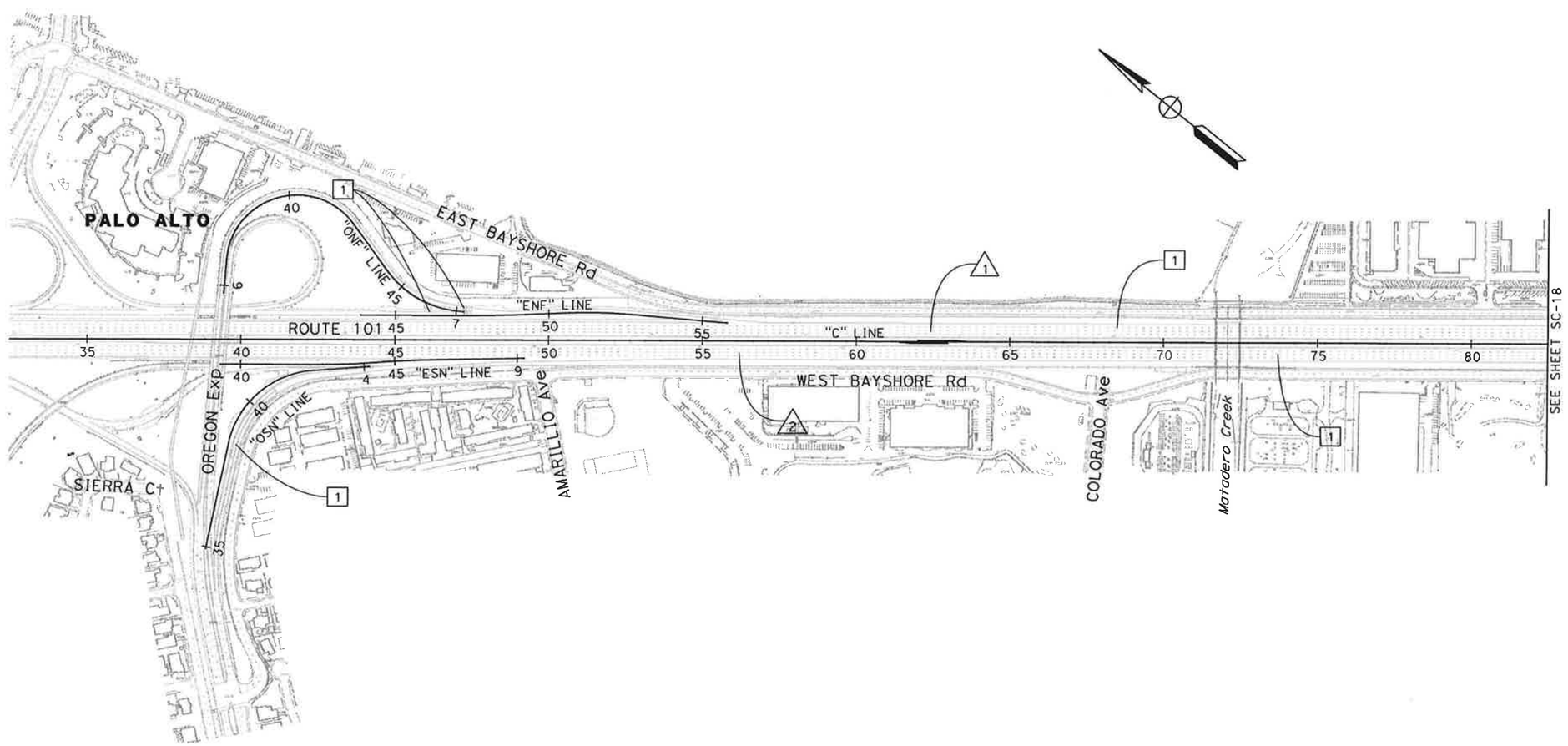
STAGE 5 CONSTRUCTION

1. COLD PLANE AND CONSTRUCT HMA-A CROSS SLOPE CORRECTION FOR NB ROUTE 101 BETWEEN "C" 51+62 AND "C" 211+24 THROUGH DAILY LANE CLOSURES.
2. CONSTRUCT HMA-A CROSS SLOPE CORRECTION FOR SB ROUTE 101 BETWEEN "C" 47+28 AND "C" 215+00 THROUGH DAILY LANE CLOSURES.

STAGE 5 TRAFFIC

1. MAINTAIN ALL TRAFFIC USING PREVIOUS STAGE STRIPING.



FOR NOTES AND LEGEND SEE SHEET SC-1

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY

STAGE CONSTRUCTION (STAGE 5)

SCALE 1" = 200'

SC-17

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

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BORDER LAST REVISED 7/2/2010

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DGN FILE => ...\MA-StageConst\44a3301ma17.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0712

PROJECT NUMBER & PHASE 0400011261

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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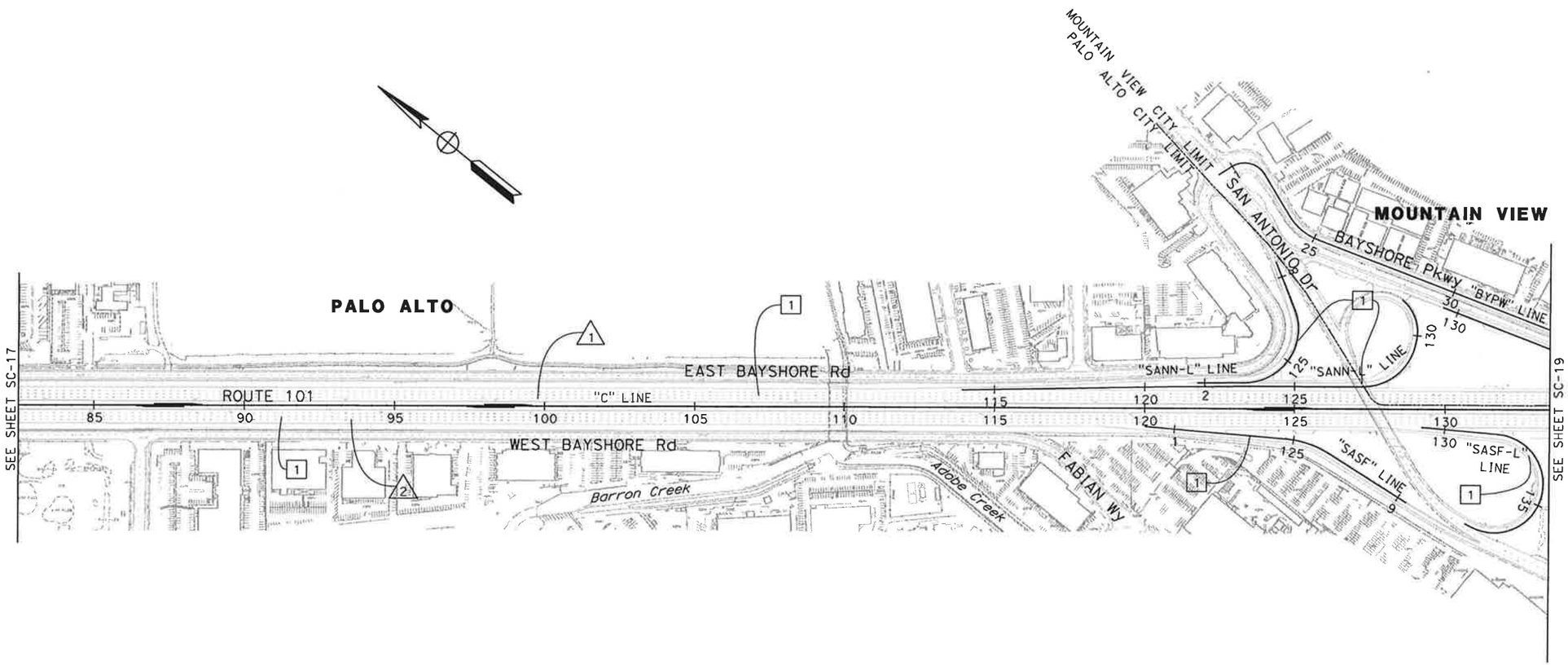

FOR GENERAL NOTES AND LEGEND
SEE SHEET SC-1
FOR STAGE 5 CONSTRUCTION NOTES
SEE SHEET SC-17

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY

STAGE CONSTRUCTION (STAGE 5)

SCALE: 1" = 200'

SC-18

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REVISED BY: A.G.
DATE REVISED: 11/01/10

LAST REVISION 10-29-10
DATE PLOTTED => 11/5/2010
TIME PLOTTED => 1:05:46 PM

BORDER LAST REVISED 7/2/2010
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RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 0712
PROJECT NUMBER & PHASE 0400011261

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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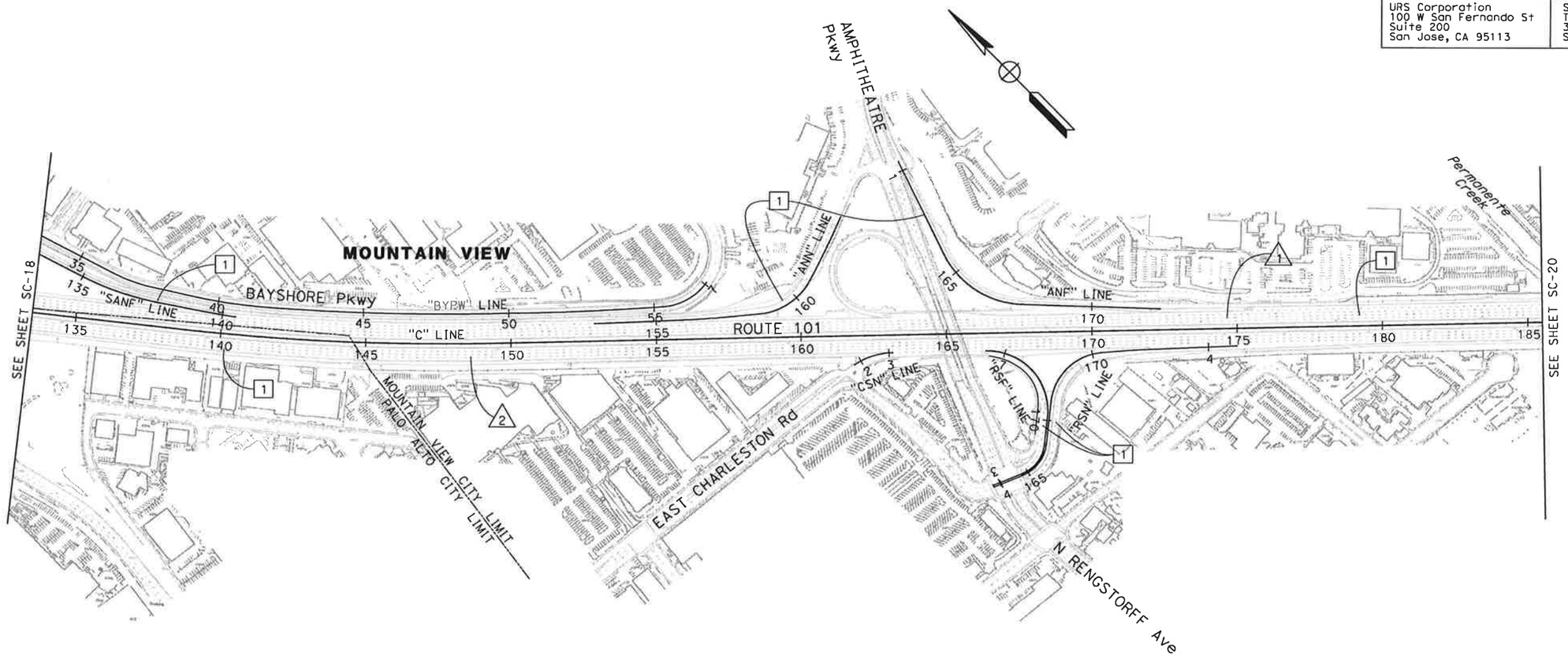

FOR GENERAL NOTES AND LEGEND
SEE SHEET SC-1
FOR STAGE 5 CONSTRUCTION NOTES
SEE SHEET SC-17

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY

STAGE CONSTRUCTION (Stage 5)

SCALE: 1" = 200'

SC-19

REVISED BY	DATE REVISED
A.G.	11/01/10

AMBER GRANT — CALCULATED-DESIGNED BY
LAN HO — CHECKED BY

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

LAST REVISION 10-29-10
DATE PLOTTED => 11/5/2010
TIME PLOTTED => 1:05:47 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

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Santa Clara Valley
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San Jose, CA 95134

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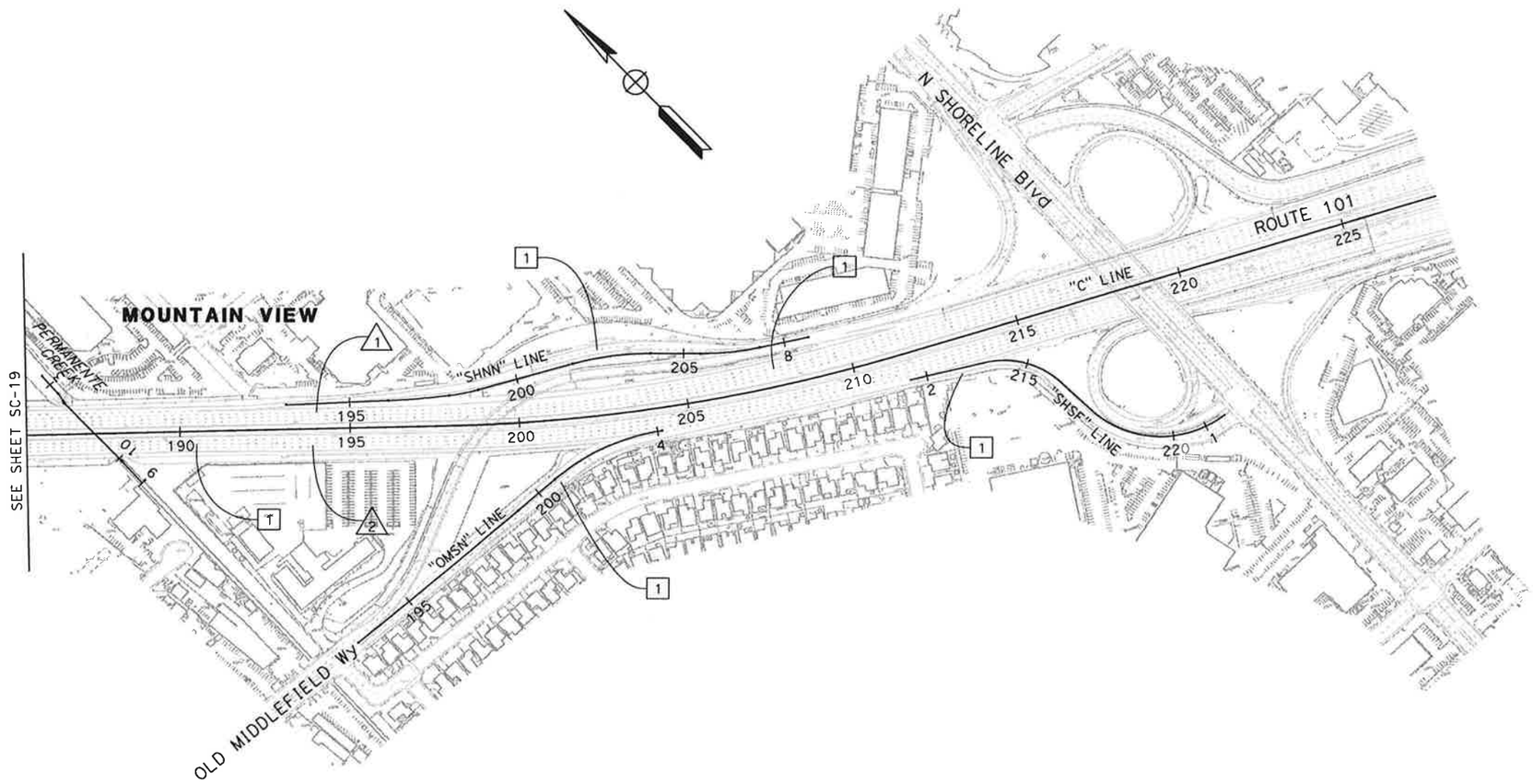

FOR GENERAL NOTES AND LEGEND
SEE SHEET SC-1
FOR STAGE 5 CONSTRUCTION NOTES
SEE SHEET SC-17

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY

STAGE CONSTRUCTION (STAGE 5)

SCALE: 1" = 200'

SC-20

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE

CALCULATED-DESIGNED BY: AMBER GRANT

CHECKED BY: LAN HO

REVISED BY: A.C.

DATE REVISED: 11/01/10

LAST REVISION 10-29-10

DATE PLOTTED => 11/5/2010
TIME PLOTTED => 1:05:49 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCl	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

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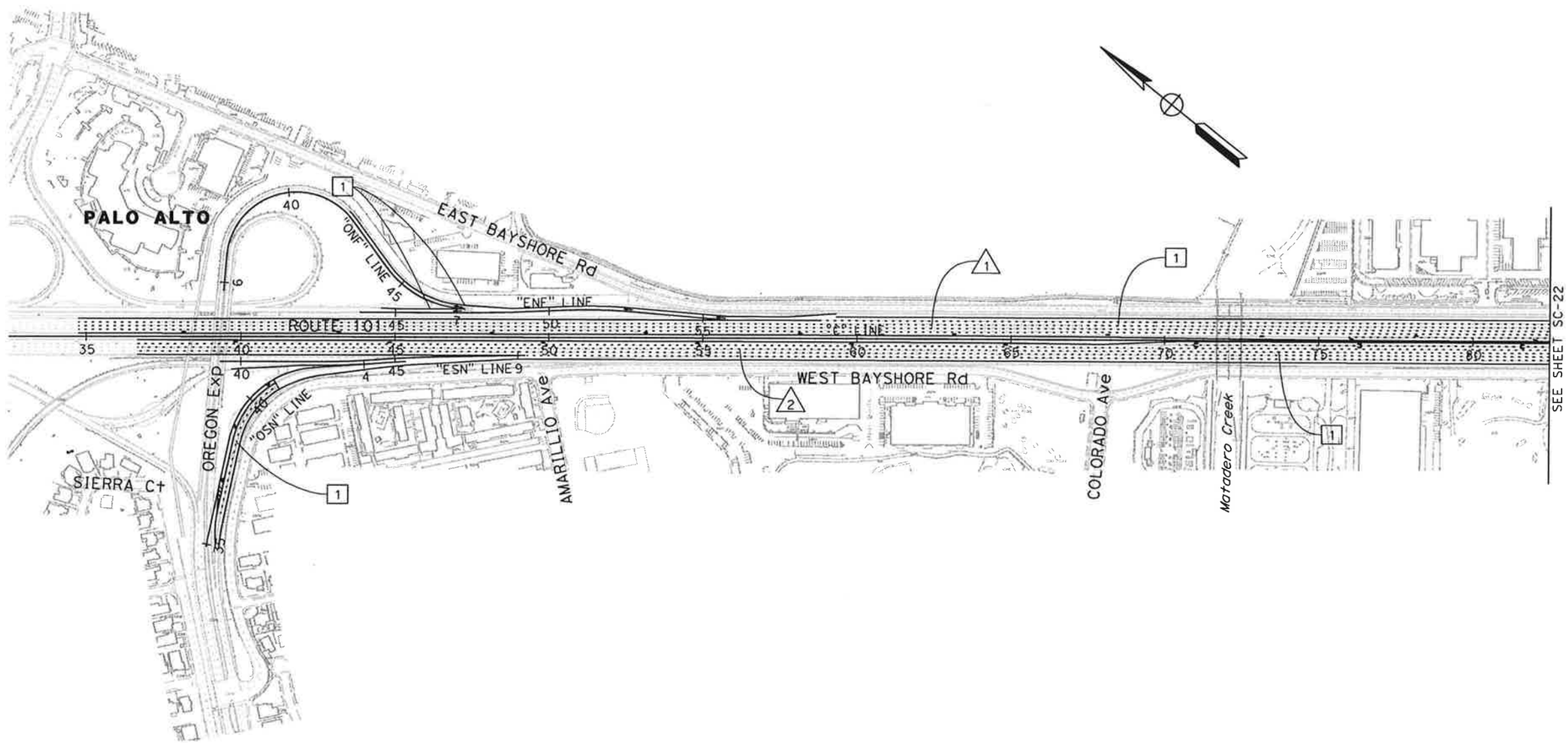
STAGE 6 CONSTRUCTION

1. PLACE RHMA-G OVERLAY FOR NB ROUTE 101 BETWEEN "C" 51+62 AND "C"11+24 THROUGH DAILY LANE CLOSURES.
2. PLACE RHMA-G OVERLAY FOR SB ROUTE 101 BETWEEN "C" 47+28 AND "C" 215+00 THROUGH DAILY LANE CLOSURES.

STAGE 6 TRAFFIC

1. SHIFT ALL TRAFFIC TO FINAL STRIPING.



FOR NOTES AND LEGEND SEE SHEET SC-1

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY

STAGE CONSTRUCTION (STAGE 6)

SCALE 1" = 200'

SC-21

A.G.	11/01/10
REVISED BY	DATE REVISED
AMBER GRANT	
LAN HO	
CALCULATED-DESIGNED BY	
CHECKED BY	
CONSULTANT FUNCTIONAL SUPERVISOR	
CHRISTOPHER LILLIE	

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

DESIGN

LAST REVISION 10-29-10 | DATE PLOTTED => 11/5/2010 | TIME PLOTTED => 1:05:50 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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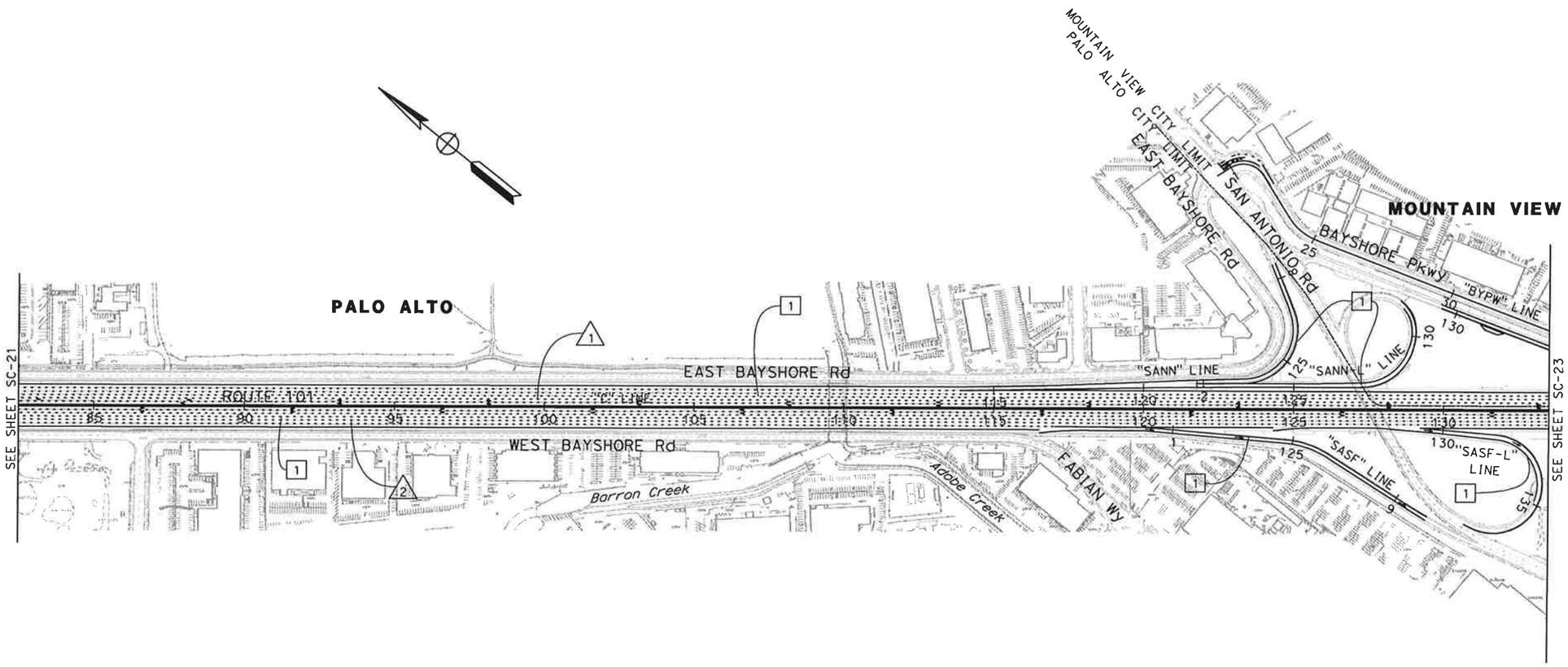

FOR GENERAL NOTES AND LEGEND
SEE SHEET SC-1
FOR STAGE 6 CONSTRUCTION NOTES
SEE SHEET SC-21

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY

STAGE CONSTRUCTION (STAGE 6)

SCALE: 1" = 200'

SC-22

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE

CALCULATED-DESIGNED BY: AMBER GRANT
CHECKED BY: LAN HO
REVISED BY: A.G.
DATE REVISED: 11/01/10

LAST REVISION 10-29-10 | DATE PLOTTED => 11/5/2010 | TIME PLOTTED => 1:05:51 PM

BORDER LAST REVISED 7/2/2010 | USERNAME => virgil_jimenez | DGN FILE => ...\MA-StageConst\44a3301ma22.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0712 | PROJECT NUMBER & PHASE 0400011261

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

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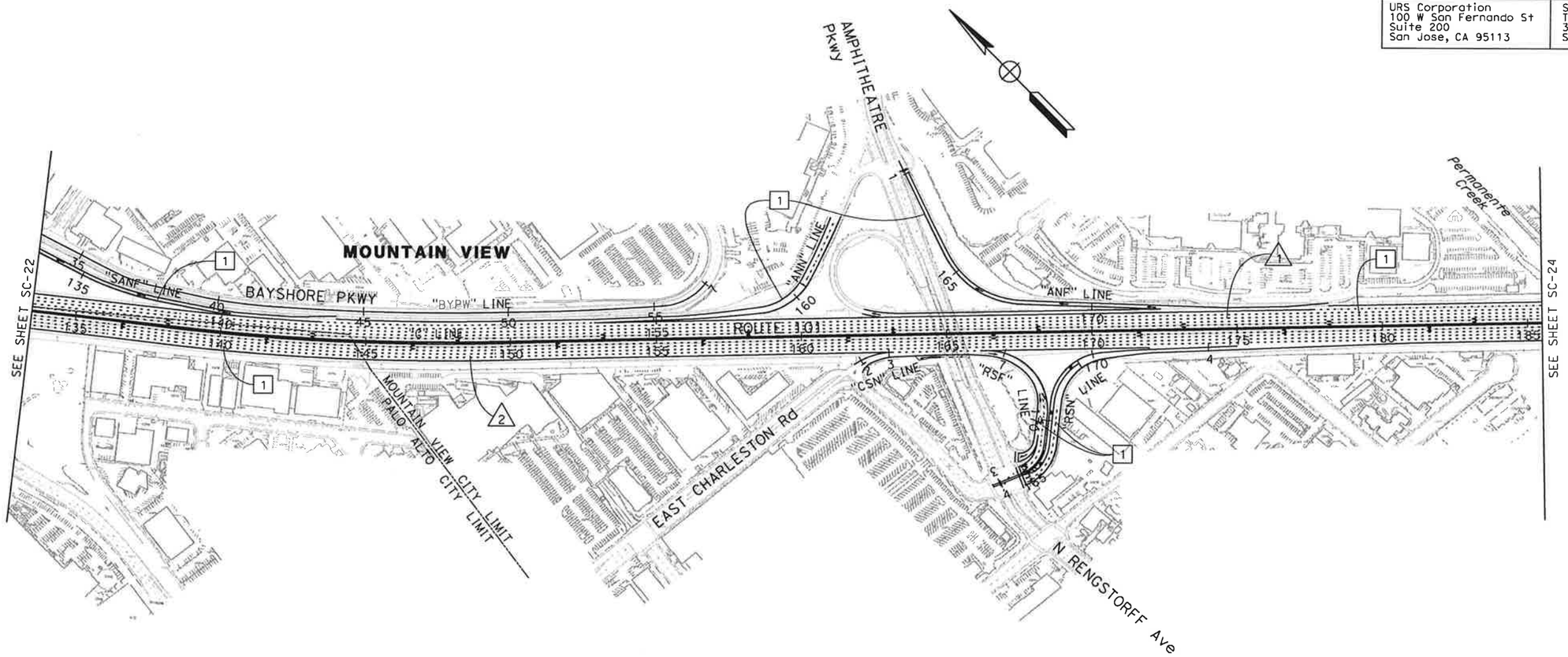

FOR GENERAL NOTES AND LEGEND
SEE SHEET SC-1
FOR STAGE 6 CONSTRUCTION NOTES
SEE SHEET SC-21

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY

STAGE CONSTRUCTION
(Stage 6)

SCALE: 1" = 200'

SC-23

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE

CALCULATED-DESIGNED BY: AMBER GRANT
CHECKED BY: LAN HO

REVISED BY: A.G.
DATE REVISED: 11/01/10

LAST REVISION 10-29-10
DATE PLOTTED => 11/5/2010
TIME PLOTTED => 1:05:52 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

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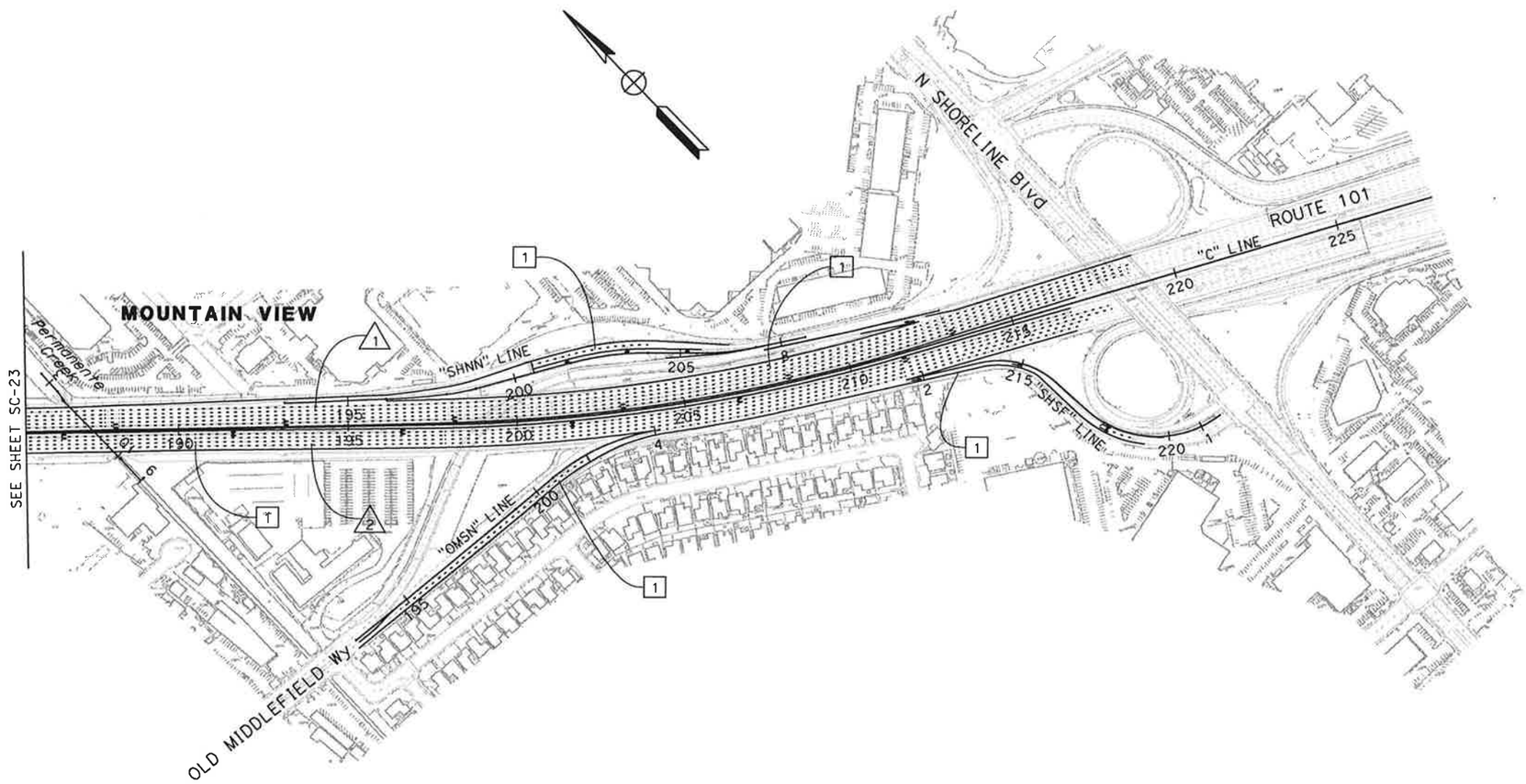

FOR GENERAL NOTES AND LEGEND
SEE SHEET SC-1
FOR STAGE 6 CONSTRUCTION NOTES
SEE SHEET SC-21

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY

STAGE CONSTRUCTION (STAGE 6)

SCALE: 1" = 200'

SC-24

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE

CALCULATED-DESIGNED BY: AMBER GRANT

CHECKED BY: LAN HO

REVISED BY: A.G.

DATE REVISED: 11/01/10

LAST REVISION 10-29-10

DATE PLOTTED => 11/5/2010
TIME PLOTTED => 1:05:53 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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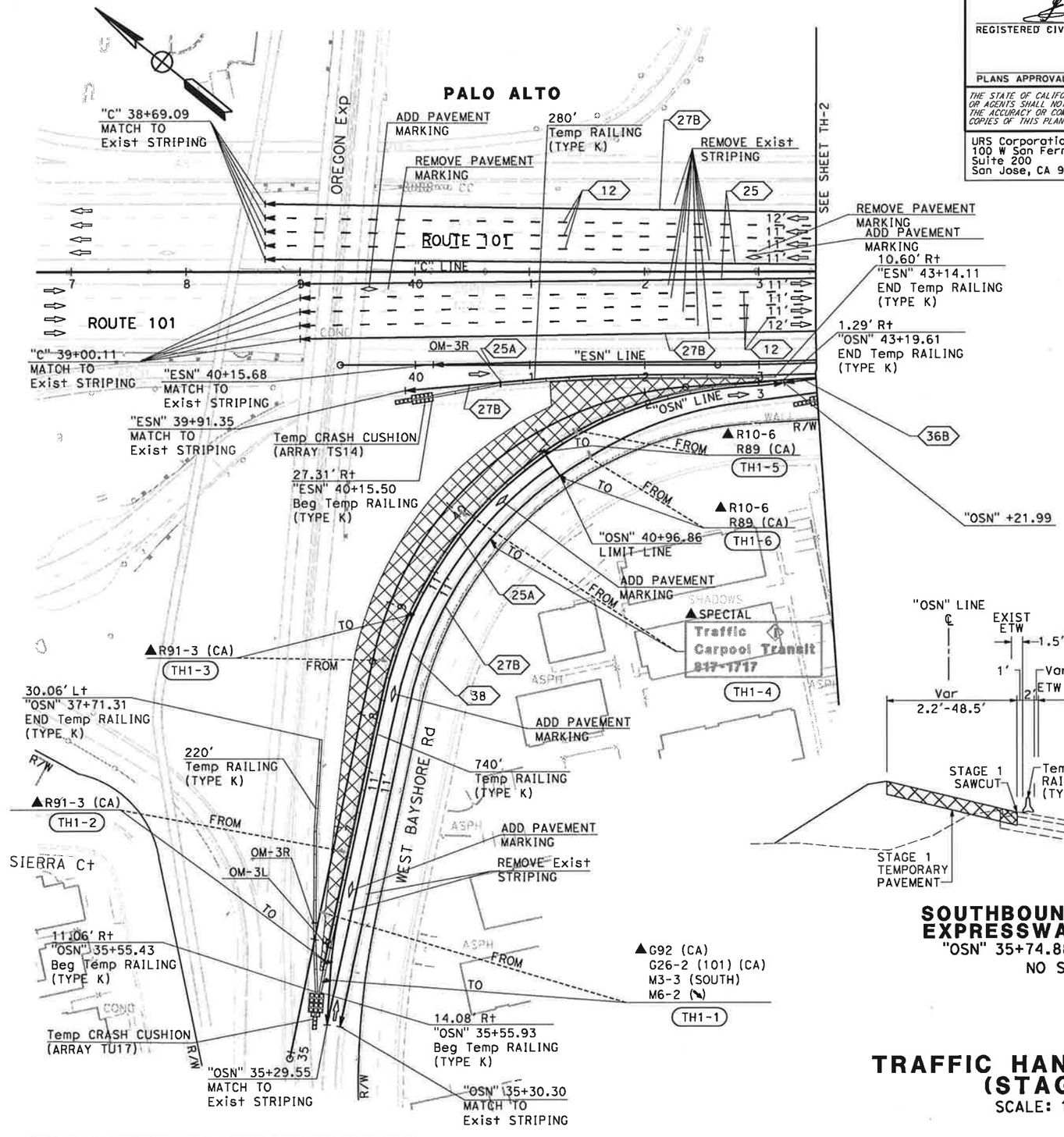
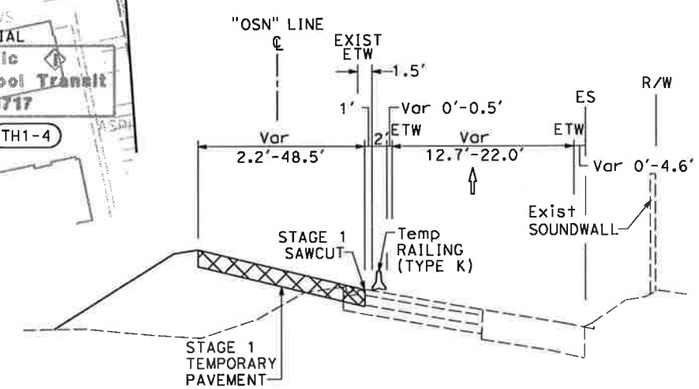
2. PRIOR TO OPENING ROADWAY TO PUBLIC TRAFFIC, ALL EXISTING OR TEMPORARY PAVEMENT DELINEATION IN CONFLICT WITH TRAFFIC HANDLING PLAN SHALL BE REMOVED.
3. ALL EXISTING SIGNS IN CONFLICT WITH TRAFFIC HANDLING PLAN SHALL BE COVERED OR REMOVED UNDER THE DIRECTION OF THE ENGINEER.
4. PROVIDE SURFACE MOUNTED CHANNELIZERS IN FRONT OF CRASH CUSHION AND K-RAIL TAPERS AS APPROPRIATE BASED ON DETAIL ON SHEET TH-102
5. PROVIDE TEMPORARY BARBED WIRE FENCE AS SHOWN ON DETAIL ON SHEET TH-103

LEGEND

- (No.) PAVEMENT DELINEATION DETAIL
- TEMPORARY RAILING (TYPE K)
- CONSTRUCTION THIS STAGE
- TEMPORARY CONSTRUCTION THIS STAGE
- REMOVE BASE AND SURFACING
- TRAFFIC DIRECTION
- CHANNELIZER
- TYPE VI ARROW
- PORTABLE FLASHING BEACON
- OBJECT MARKER TYPE OM-3L OR OM-3R
- TCE TEMPORARY CONSTRUCTION EASEMENT
- (THX-X) CONSTRUCTION AREA SIGN NUMBER
- PROPOSED ONE POST ROADSIDE SIGN
- PROPOSED TWO POST ROADSIDE SIGN
- EXISTING ONE POST ROADSIDE SIGN
- EXISTING TWO POST ROADSIDE SIGN
- RELOCATE ROADSIDE SIGN
- REMOVE ROADSIDE SIGN
- EXISTING SIGN TO REMAIN
- TYPE V ARROW
- TYPE I 18' ARROW
- TEMPORARY CHAIN LINK FENCE (CL-6)





SOUTHBOUND OREGON EXPRESSWAY ON-RAMP
"OSN" 35+74.88 TO 43+00.00
NO SCALE

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 1)

SCALE: 1" = 50'

TH-1

N.A.	11/01/10	REVISED BY	DATE REVISED
NAYAN AMIN	RUTA JARIWALA	CALCULATED-DESIGNED BY	CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR	CHRISTOPHER LILLIE		

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

LAST REVISION 11-01-10 | DATE PLOTTED => 11/5/2010 | TIME PLOTTED => 1:08:08 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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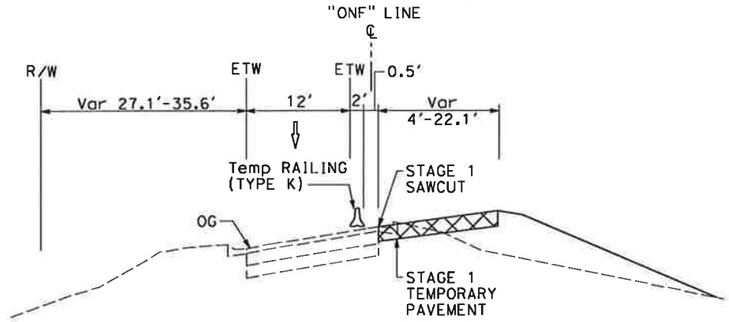
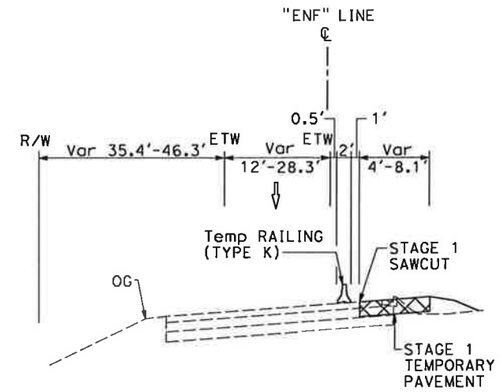


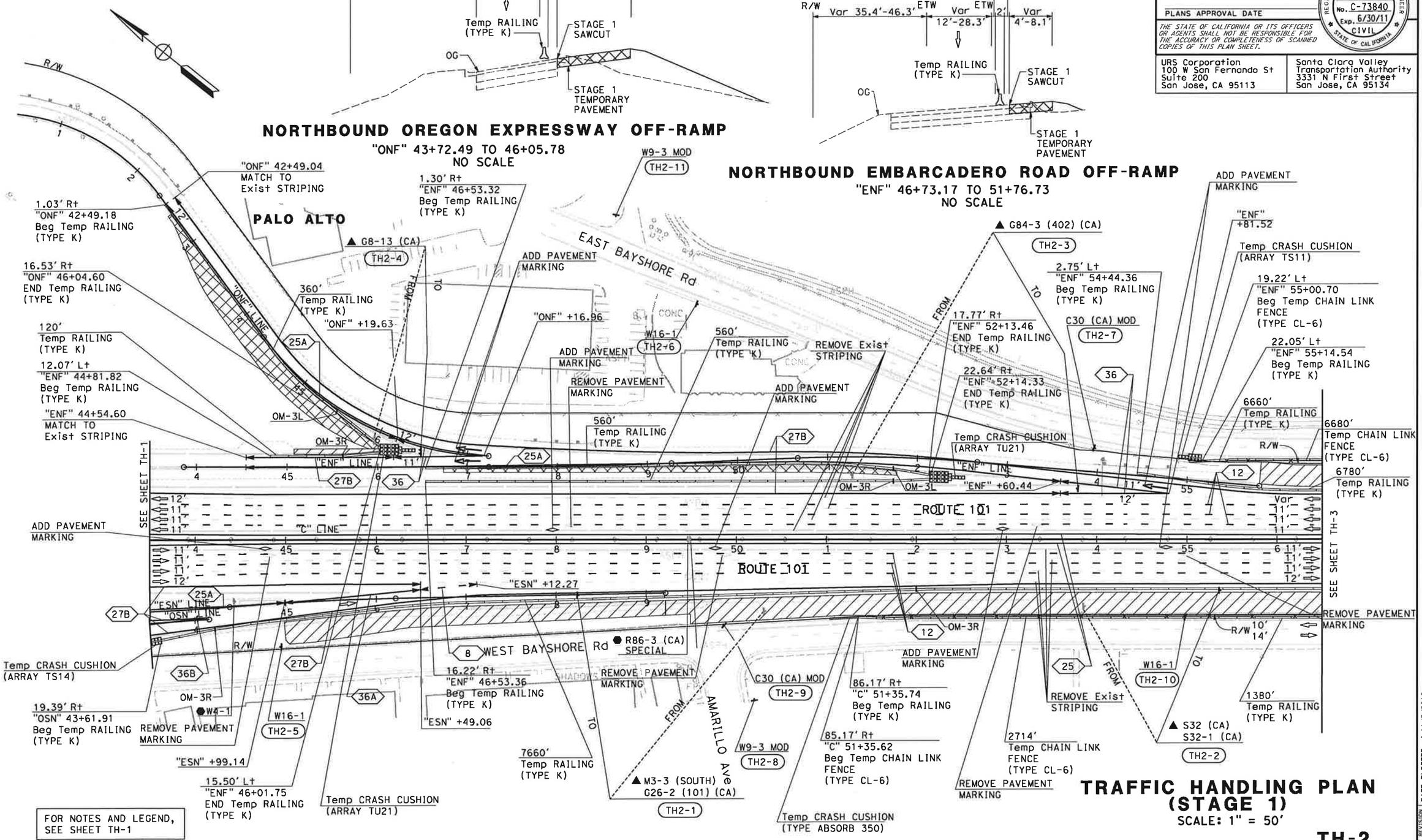
NORTHBOUND OREGON EXPRESSWAY OFF-RAMP

"ONF" 43+72.49 TO 46+05.78
NO SCALE



NORTHBOUND EMBARCADERO ROAD OFF-RAMP

"ENF" 46+73.17 TO 51+76.73
NO SCALE



TRAFFIC HANDLING PLAN (STAGE 1)

SCALE: 1" = 50'

TH-2

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

N.A.	11/01/10	REVISED BY	DATE REVISED
NAYAN AMIN	RUTA JARIWALA	CALCULATED-DESIGNED BY	CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR	CHRISTOPHER LILLIE		

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

LAST REVISION 11-01-10 DATE PLOTTED => 11/5/2010 TIME PLOTTED => 1:08:09 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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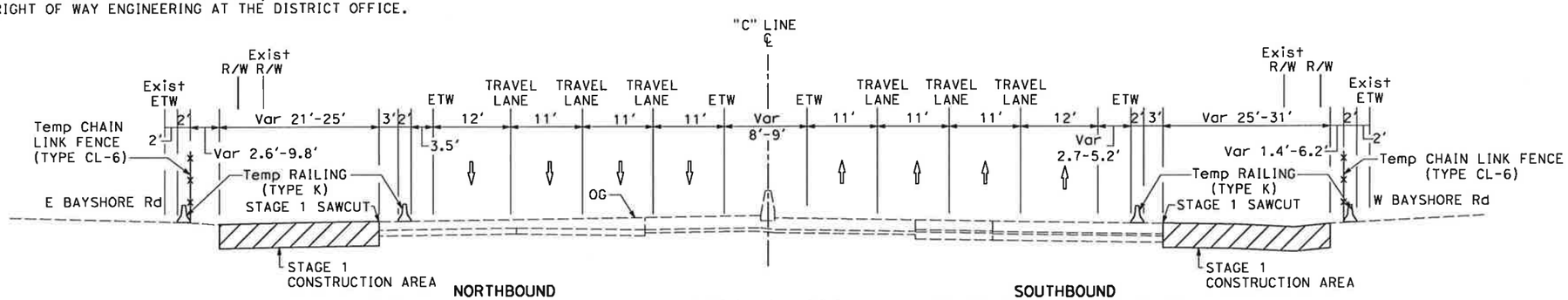
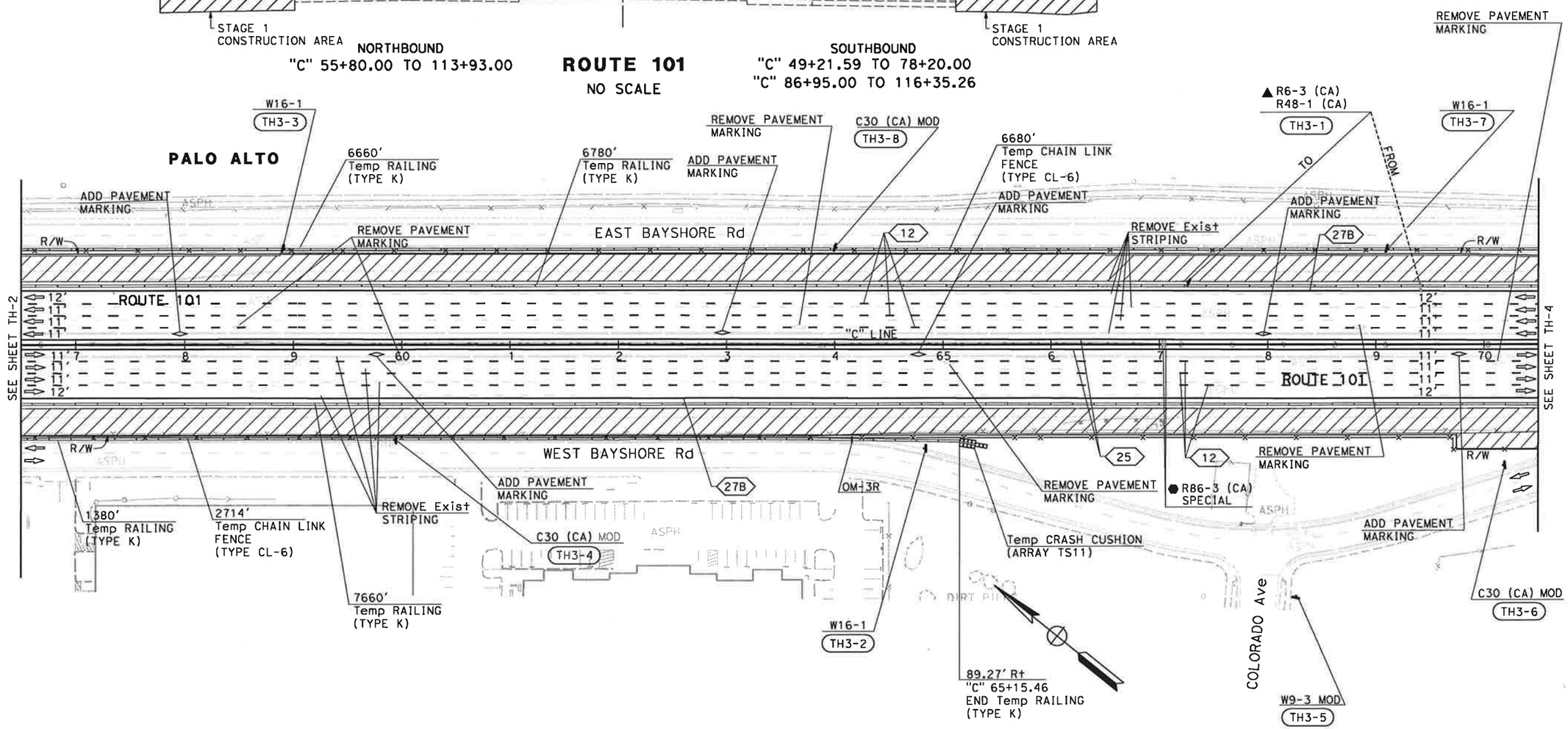


NORTHBOUND
"C" 55+80.00 TO 113+93.00

ROUTE 101

NO SCALE

SOUTHBOUND
"C" 49+21.59 TO 78+20.00
"C" 86+95.00 TO 116+35.26



FOR NOTES AND LEGEND, SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 1)

SCALE: 1" = 50'

TH-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN
CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE
CALCULATED-DESIGNED BY: NAYAN AMIN
CHECKED BY: RUTA JARIWALA
REVISED BY: N.A.
DATE REVISED: 11/01/10

LAST REVISION DATE PLOTTED => 11/5/2010
TIME PLOTTED => 1:08:11 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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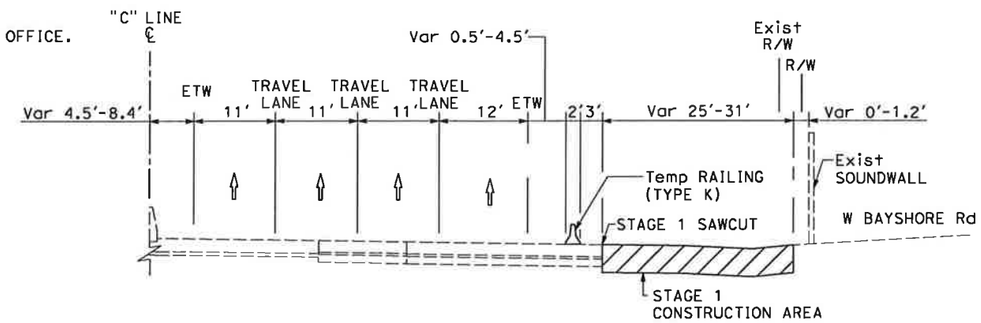
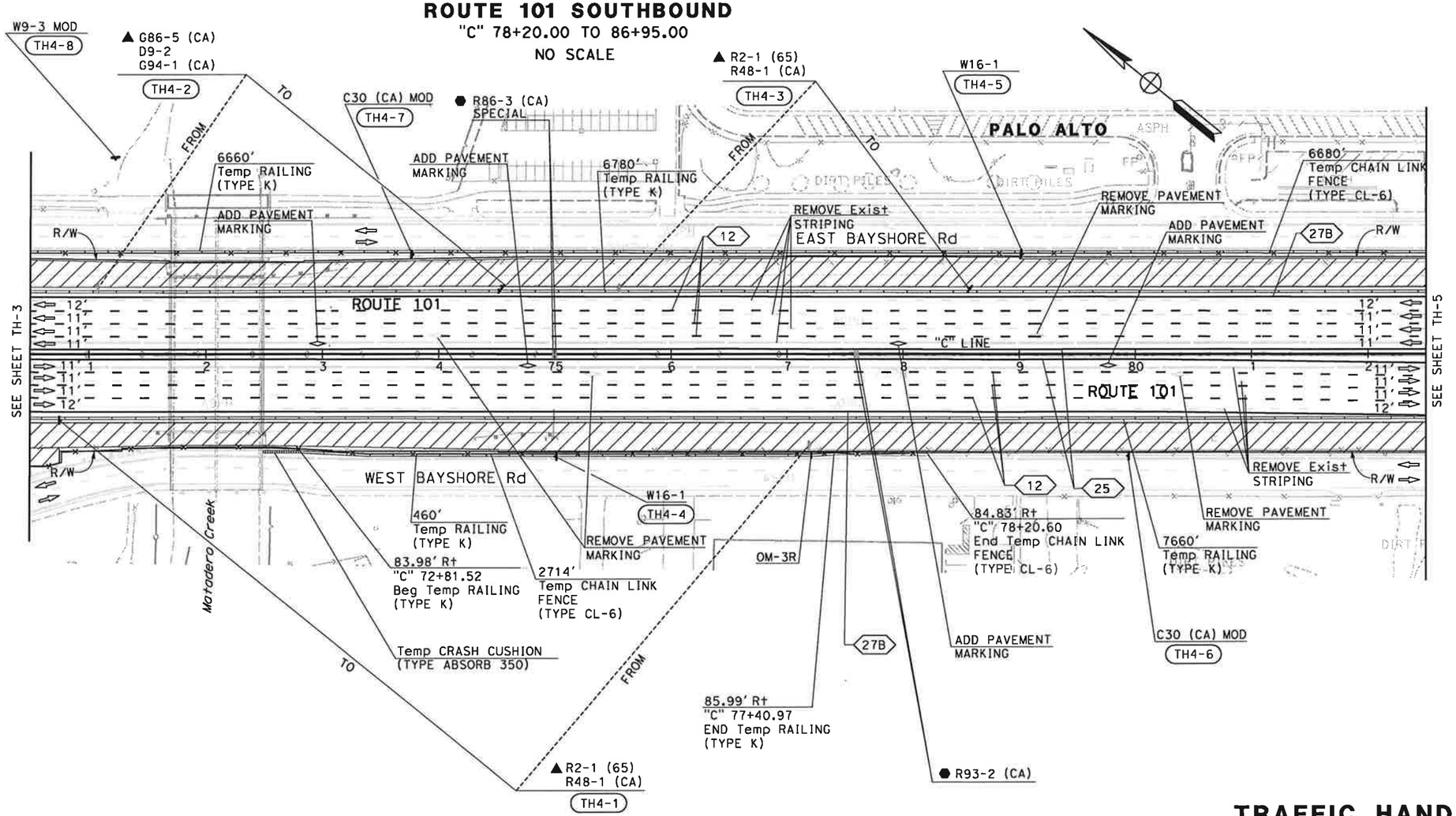


ROUTE 101 SOUTHBOUND

"C" 78+20.00 TO 86+95.00

NO SCALE



FOR NOTES AND LEGEND, SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 1)

SCALE: 1" = 50'

TH-4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE

CALCULATED-DESIGNED BY: NAYAN AMIN

CHECKED BY: RUTA JARIWALA

REVISED BY: N.A.

DATE REVISED: 11/01/10

LAST REVISION 11-01-10

DATE PLOTTED => 11/5/2010

TIME PLOTTED => 1:08:13 PM

BORDER LAST REVISED 7/2/2010

USERNAME => rutvij_patel

DGN FILE => ...\44A330md004.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0712

PROJECT NUMBER & PHASE 0400011261

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCl	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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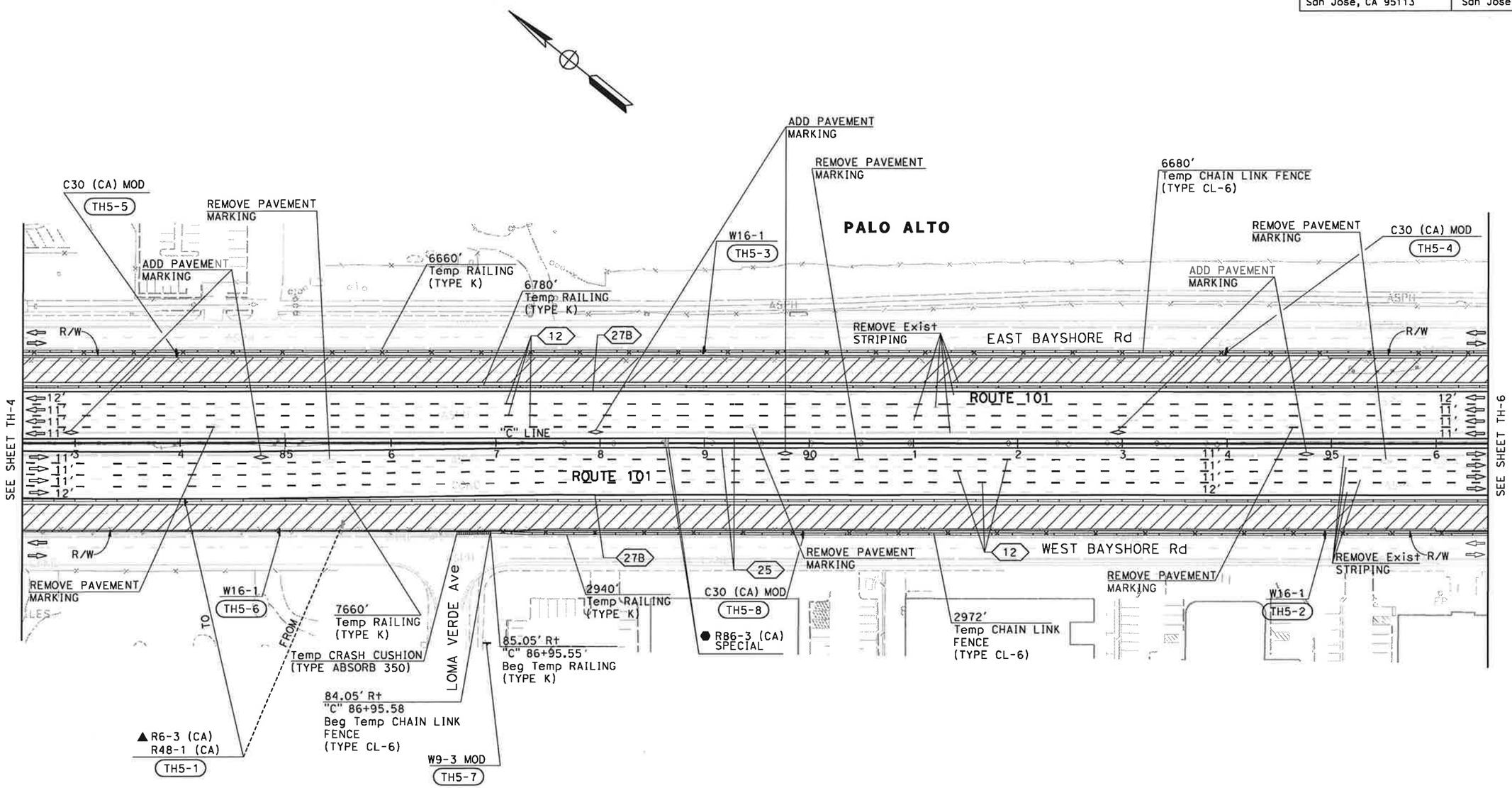

FOR NOTES AND LEGEND, SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 1)

SCALE: 1" = 50'

TH-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE

CALCULATED-DESIGNED BY: NAYAN AMIN
CHECKED BY: RUTA JARIWALA

REVISED BY: N.A.
DATE REVISED: 11/01/10

LAST REVISION 11-01-10 DATE PLOTTED => 11/5/2010 TIME PLOTTED => 1:08:15 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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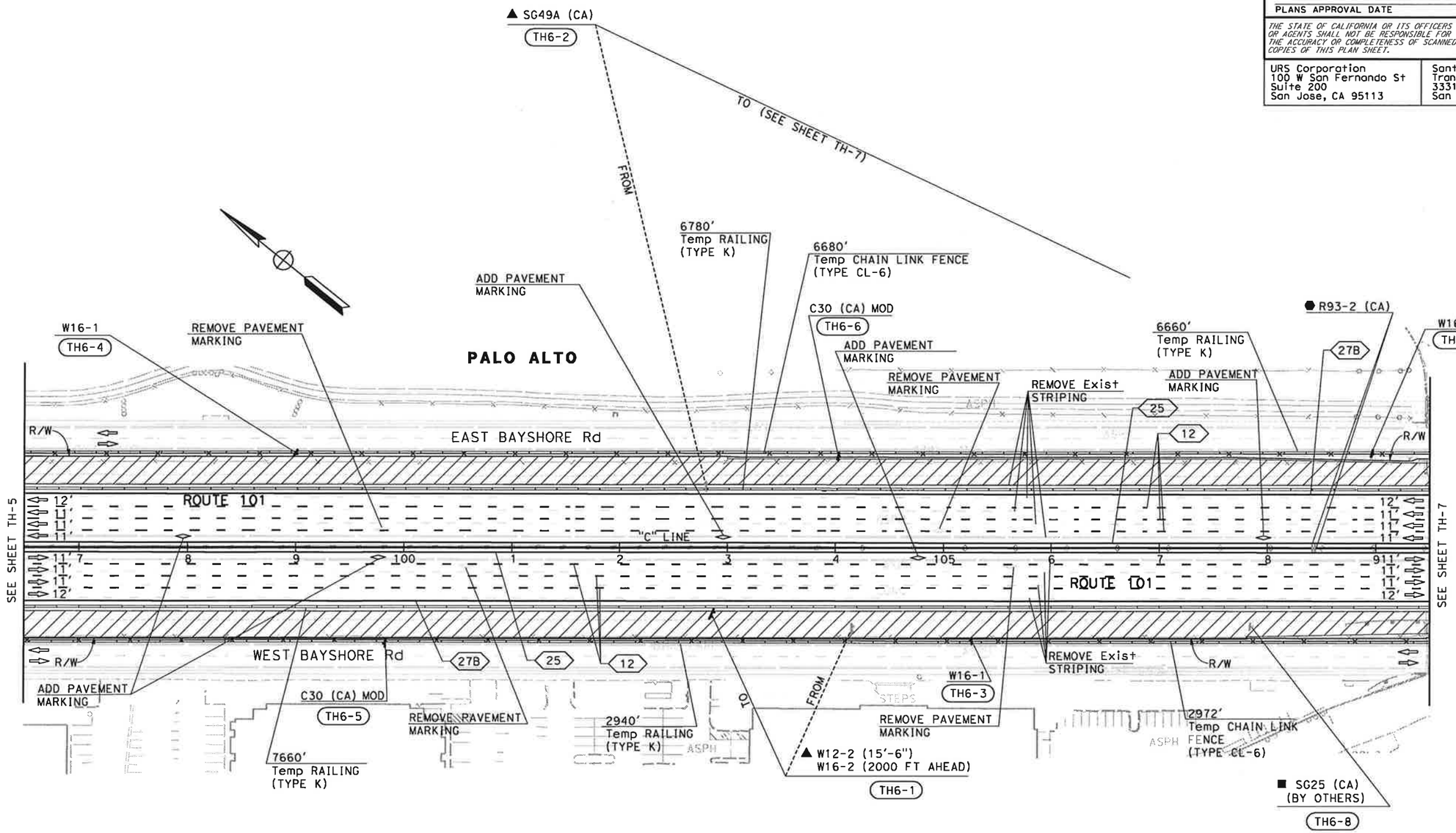

FOR NOTES AND LEGEND, SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 1)

SCALE: 1" = 50'

TH-6

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE
CALCULATED-DESIGNED BY: NAYAN AMIN
CHECKED BY: RUTA JARIWALA
REVISED BY: N.A.
DATE REVISED: 11/01/10

LAST REVISION 11-01-10
DATE PLOTTED => 11/5/2010
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCl	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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Santa Clara Valley
Transportation Authority
3331 N First Street
San Jose, CA 95134

NOTE:

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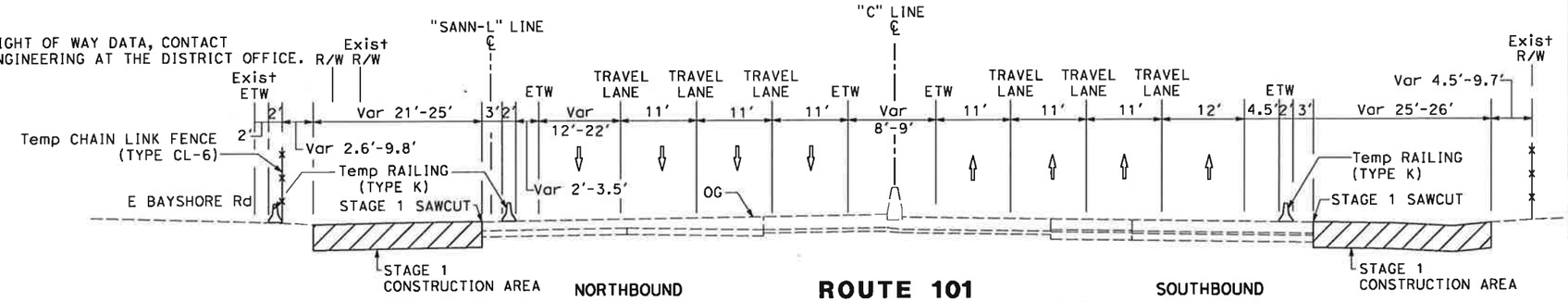
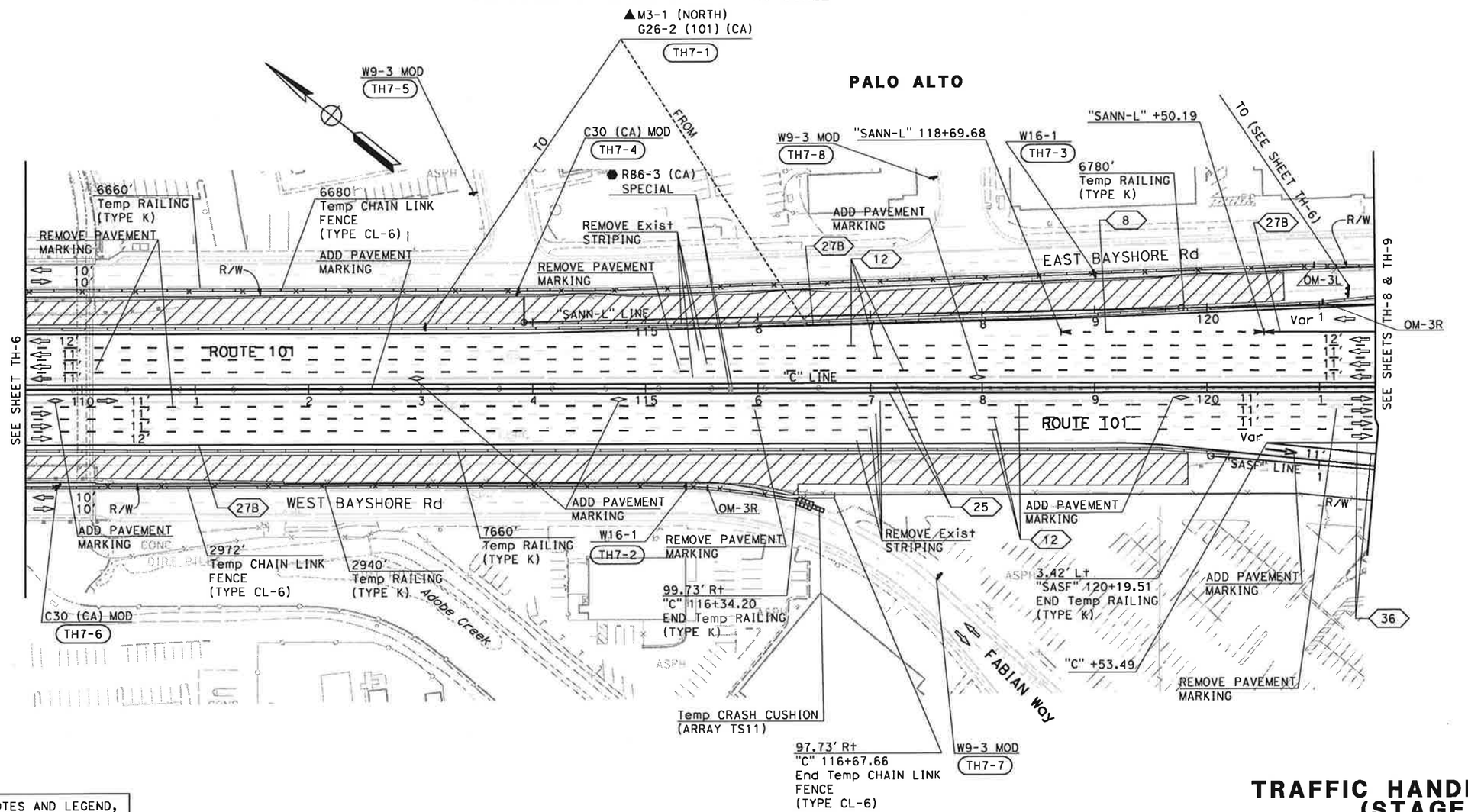


NORTHBOUND
"C" 113+93.00 TO 120+68.79

ROUTE 101
NO SCALE

SOUTHBOUND
"C" 116+35.26 TO 119+83.00



FOR NOTES AND LEGEND, SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 1)

SCALE: 1" = 50'

TH-7

REVISED BY	DATE REVISED
N.A.	11/01/10

NAYAN AMIN — RUTA JARIWALA

CALCULATED-DESIGNED BY — CHECKED BY

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

TRAFFIC DESIGN

LAST REVISION 11-01-10 | DATE PLOTTED => 11/5/2010 | TIME PLOTTED => 1:08:18 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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Santa Clara Valley
Transportation Authority
3331 N First Street
San Jose, CA 95134

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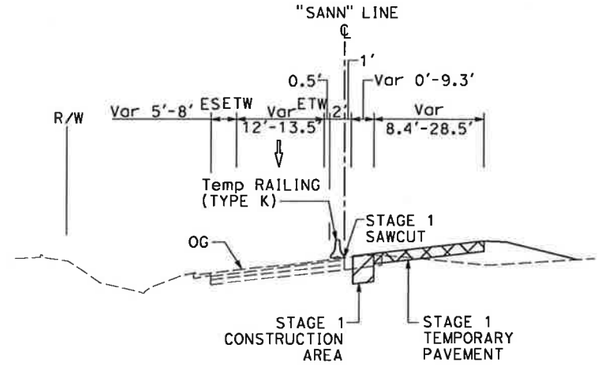
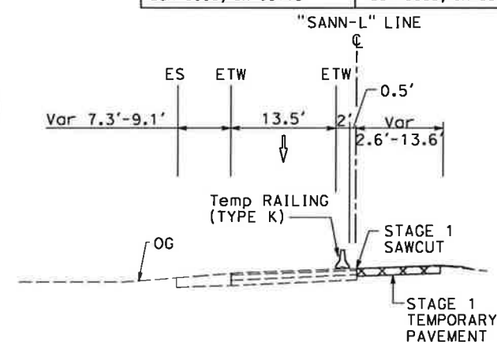


NORTHBOUND SAN ANTONIO ROAD DIAGONAL ON-RAMP

"SANN" 123+12.37 TO 128+20.59

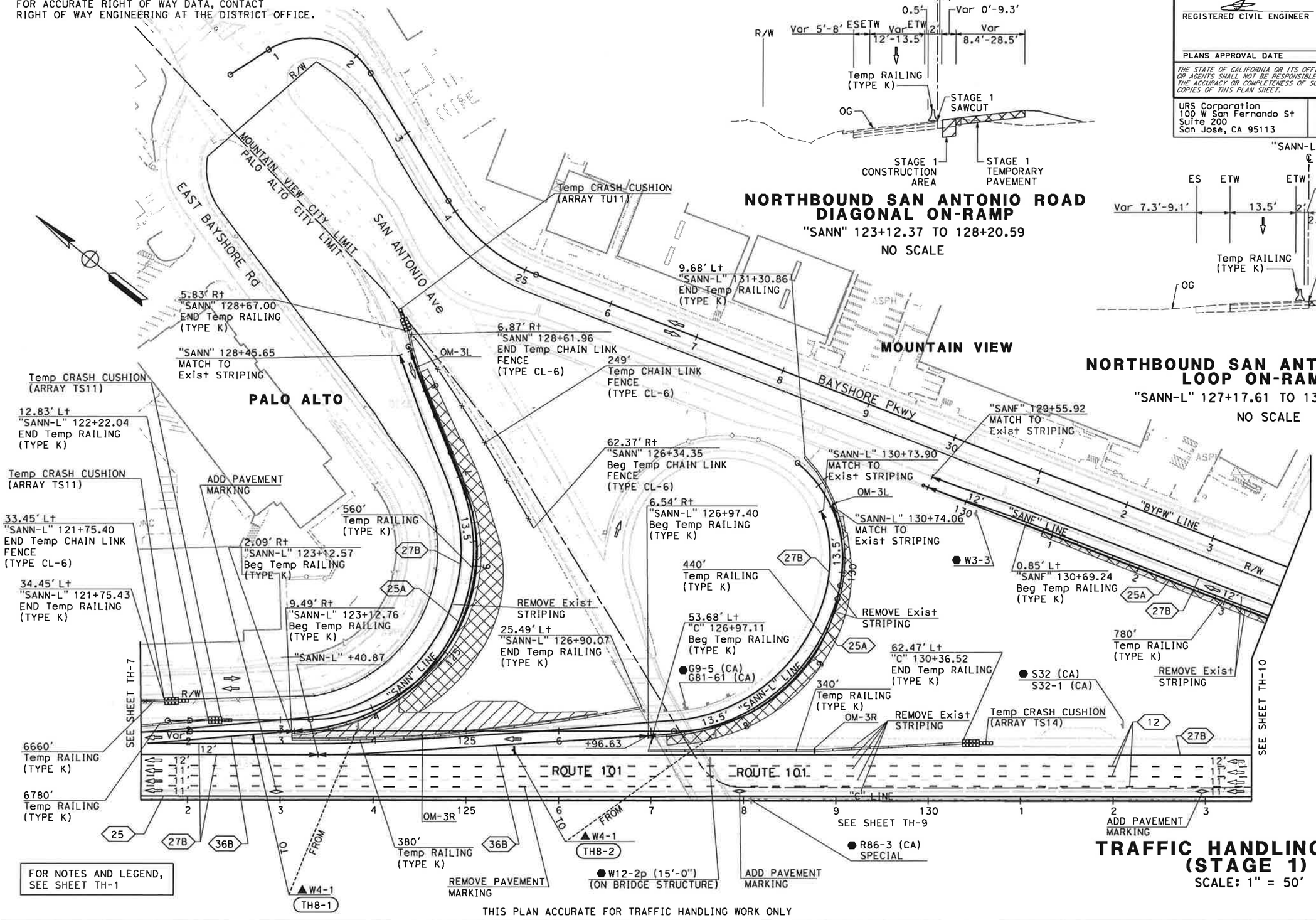
NO SCALE



NORTHBOUND SAN ANTONIO ROAD LOOP ON-RAMP

"SANN-L" 127+17.61 TO 130+60.91

NO SCALE



TRAFFIC HANDLING PLAN (STAGE 1)

SCALE: 1" = 50'

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TH-8

N.A.	11/01/10		
REVISED BY	DATE REVISED		
NAYAN AMIN	RUTA JARIWALA		
CALCULATED-DESIGNED BY	CHECKED BY		
CONSULTANT FUNCTIONAL SUPERVISOR	CHRISTOPHER LILLIE		

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

TRAFFIC DESIGN

LAST REVISION 11-01-10 | DATE PLOTTED => 11/5/2010 TIME PLOTTED => 1:08:20 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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Santa Clara Valley Transportation Authority
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San Jose, CA 95134

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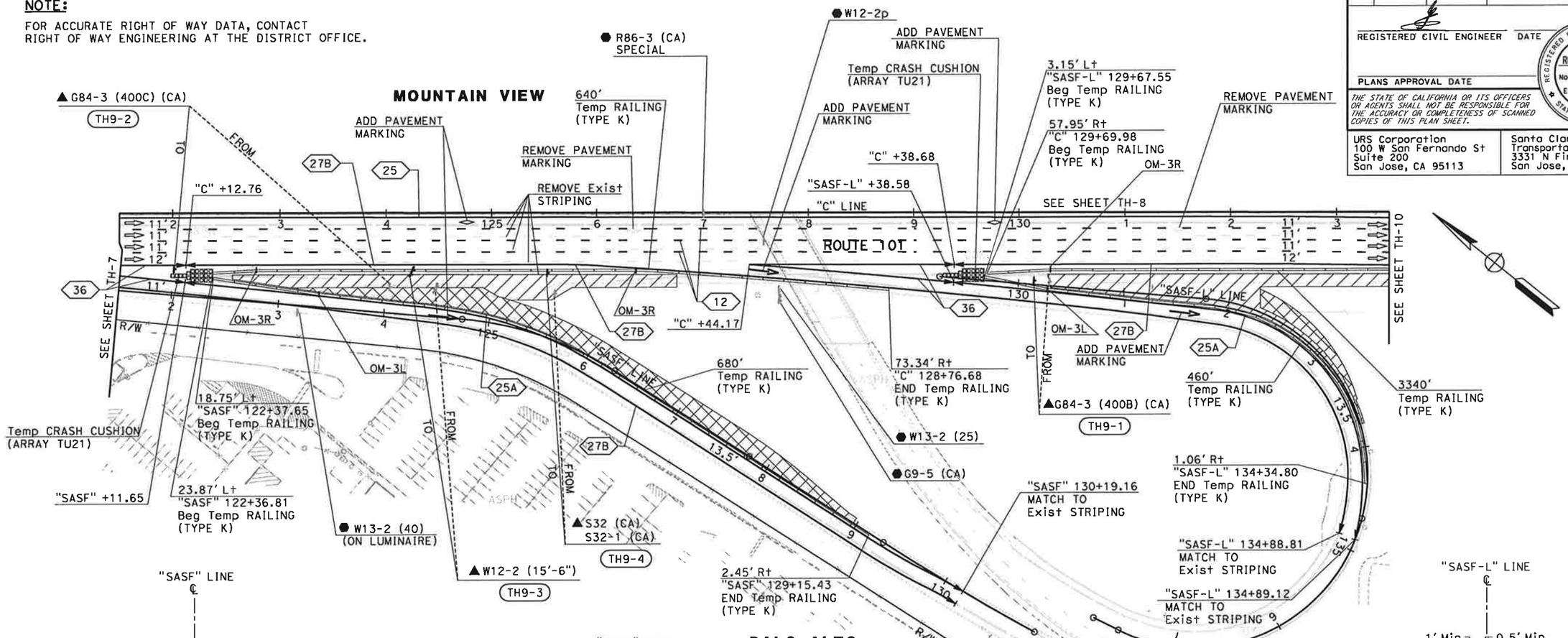
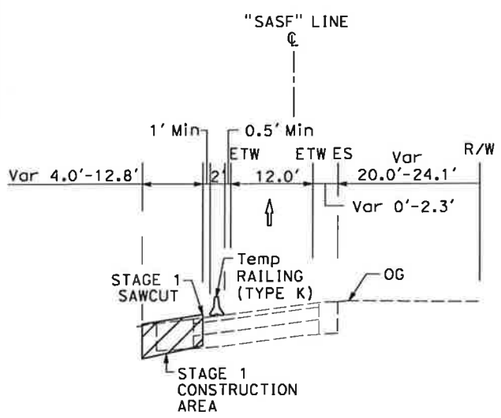
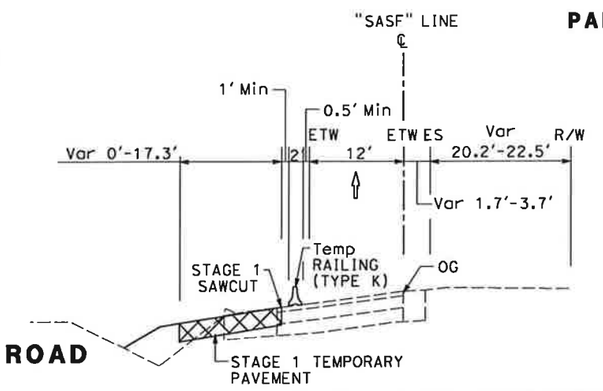
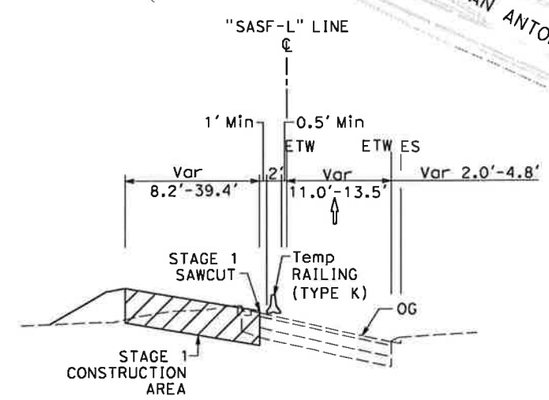




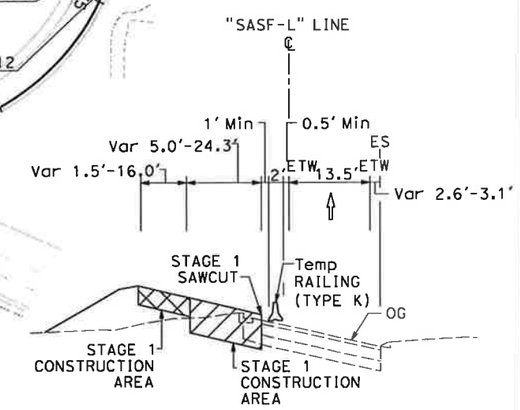
SOUTHBOUND SAN ANTONIO ROAD DIAGONAL OFF-RAMP
"SASF" 122+55.10 TO 123+09.13
NO SCALE



SOUTHBOUND SAN ANTONIO ROAD DIAGONAL OFF-RAMP
"SASF" 123+09.13 TO 128+97.30
NO SCALE



SOUTHBOUND SAN ANTONIO ROAD LOOP OFF-RAMP
"SASF-L" 130+27.68 TO 132+23.60
NO SCALE



SOUTHBOUND SAN ANTONIO ROAD LOOP OFF-RAMP
"SASF-L" 132+23.60 TO 133+78.00
NO SCALE

FOR NOTES AND LEGEND, SEE SHEET TH-1

TRAFFIC HANDLING PLAN (STAGE 1)

SCALE: 1" = 50'

TH-9

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE
CALCULATED-DESIGNED BY: NAYAN AMIN
CHECKED BY: RUTA JARIWALA
REVISED BY: N.A.
DATE REVISED: 11/01/10

LAST REVISION 11-01-10
DATE PLOTTED => 11/5/2010
TIME PLOTTED => 11:08:22 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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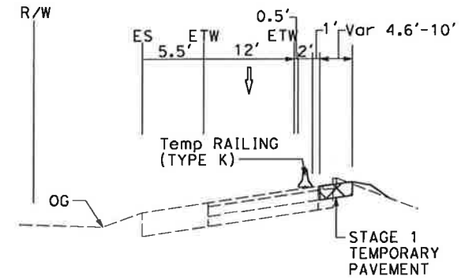
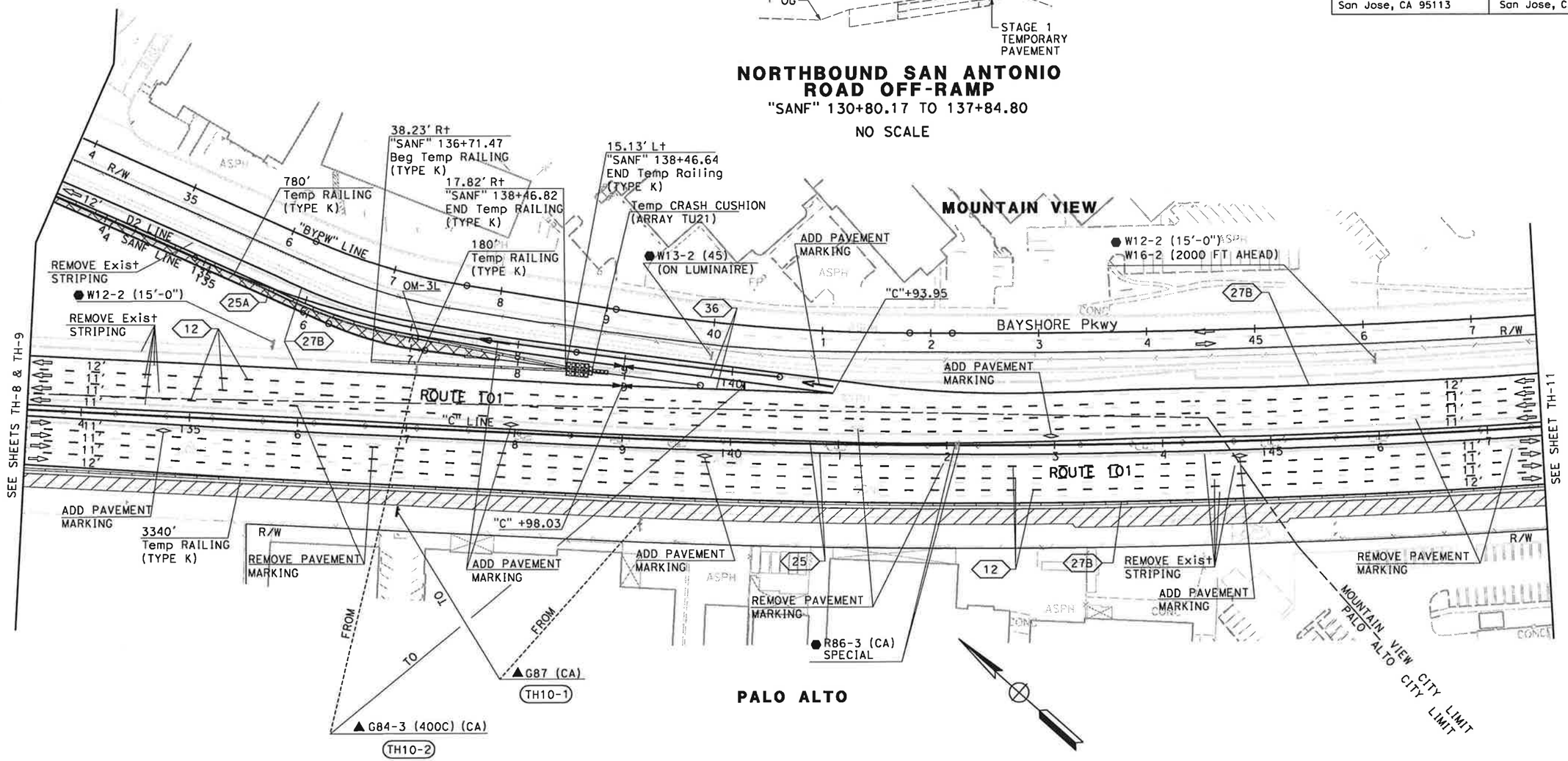


NORTHBOUND SAN ANTONIO ROAD OFF-RAMP

"SANF" 130+80.17 TO 137+84.80

NO SCALE



FOR NOTES AND LEGEND, SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 1)

SCALE: 1" = 50'

TH-10

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE

CALCULATED-DESIGNED BY: NAYAN AMIN

CHECKED BY: RUTA JARIWALA

REVISED BY: N.A.

DATE REVISED: 11/01/10

LAST REVISION 11-01-10 DATE PLOTTED => 11/5/2010 TIME PLOTTED => 1:08:24 PM

BORDER LAST REVISED 7/2/2010

USERNAME => rutvij_patel
DGN FILE => ...\44A330md010.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0712

PROJECT NUMBER & PHASE 0400011261

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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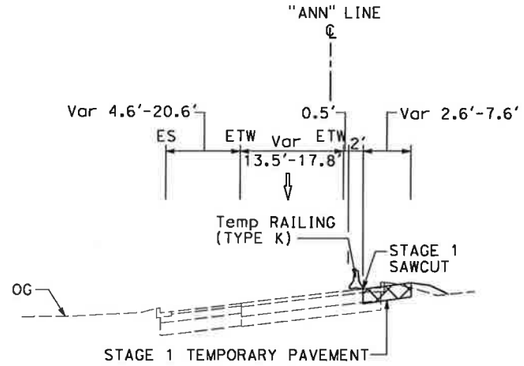
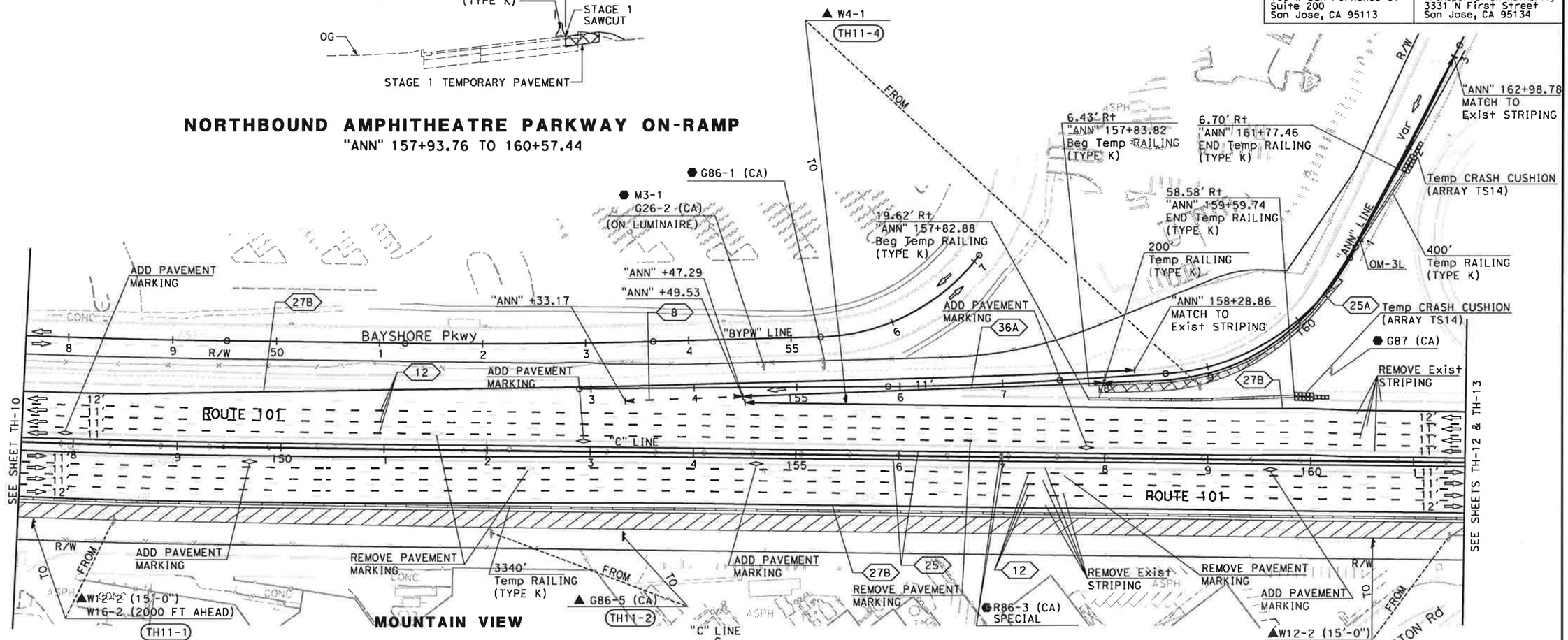
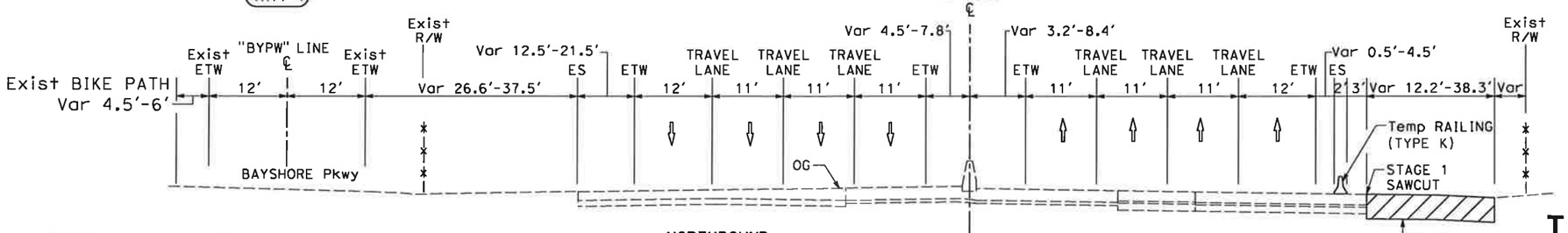


NORTHBOUND AMPHITHEATRE PARKWAY ON-RAMP

"ANN" 157+93.76 TO 160+57.44





FOR NOTES AND LEGEND, SEE SHEET TH-1

NORTHBOUND
"C" 140+43.81 TO 152+88.61

ROUTE 101
NO SCALE

SOUTHBOUND
"C" 130+27.88 TO 161+97.53

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 1)

SCALE: 1" = 50'

TH-11

N.A.	11/01/10
REVISED BY	DATE REVISED
NAYAN AMIN	RUTA JARIWALA
CALCULATED-DESIGNED BY	CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR	CHRISTOPHER LILLIE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

LAST REVISION 11-01-10
DATE PLOTTED => 11/5/2010
TIME PLOTTED => 1:08:26 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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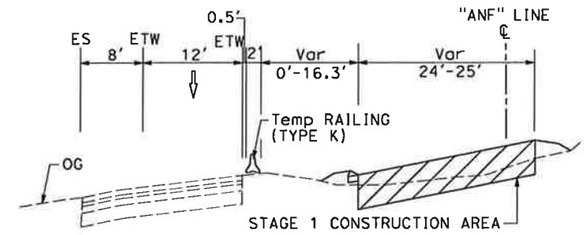


NORTHBOUND AMPHITHEATRE PARKWAY OFF-RAMP

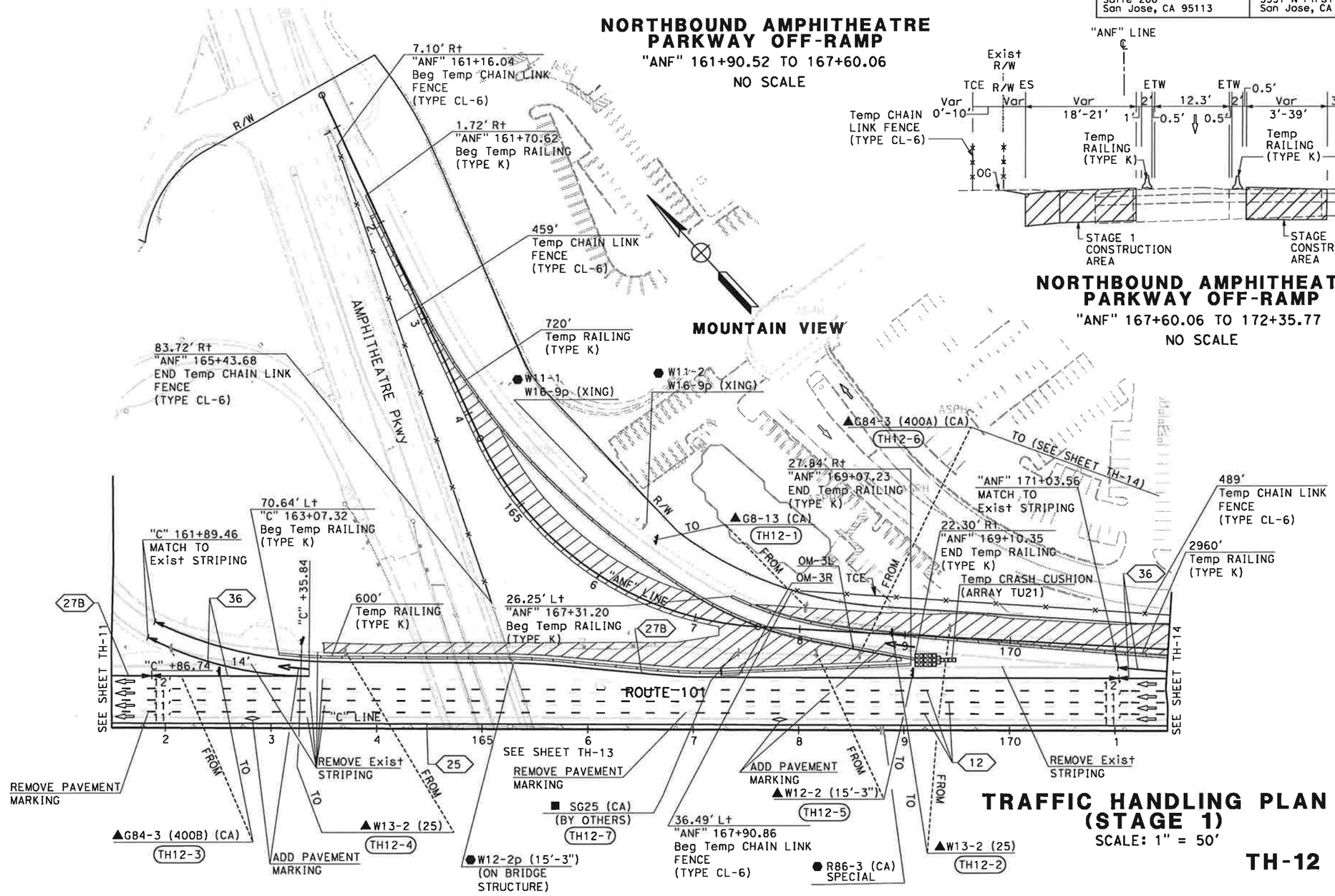
"ANF" 161+90.52 TO 167+60.06

NO SCALE

NORTHBOUND AMPHITHEATRE PARKWAY OFF-RAMP

"ANF" 167+60.06 TO 172+35.77

NO SCALE



TRAFFIC HANDLING PLAN (STAGE 1)

SCALE: 1" = 50'

TH-12

FOR NOTES AND LEGEND, SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

CALCULATED-DESIGNED BY	NAYAN AMIN
CHECKED BY	RUTA JARIWALA
CONSULTANT FUNCTIONAL SUPERVISOR	CHRISTOPHER LILLIE
REVISED BY	N.A.
DATE REVISED	11/01/10

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

TRAFFIC DESIGN

LAST REVISION 11-01-10

DATE PLOTTED => 11/5/2010
TIME PLOTTED => 1:08:28 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCl	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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NOTE:

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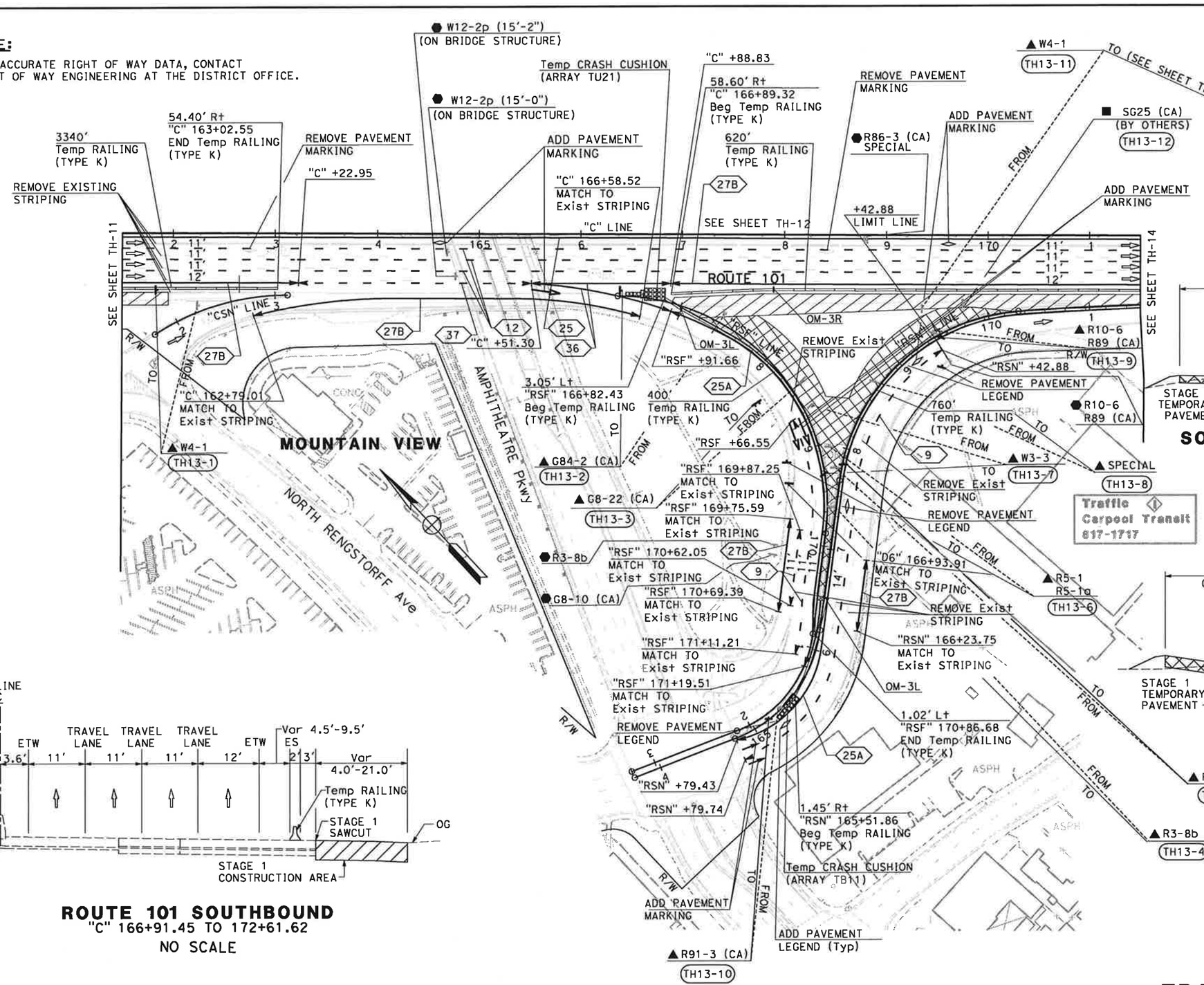
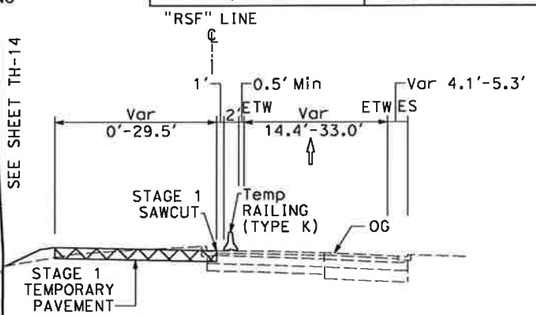
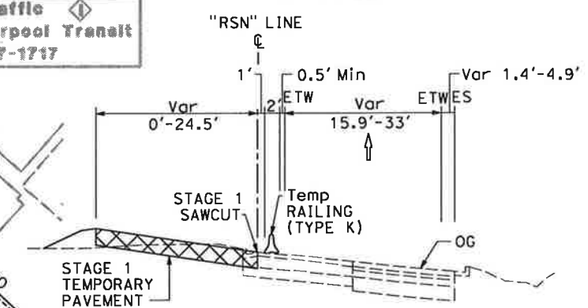




SOUTHBOUND RENGSTORFF AVENUE OFF-RAMP

"RSF" 167+22.42 TO 170+53.04

NO SCALE



SOUTHBOUND RENGSTORFF AVENUE ON-RAMP

"RSN" 166+49.22 TO 171+05.22

NO SCALE

ROUTE 101 SOUTHBOUND

"C" 166+91.45 TO 172+61.62

NO SCALE

FOR NOTES AND LEGEND, SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 1)

SCALE: 1" = 50'

TH-13

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISED BY	DATE REVISED
Caltrans TRAFFIC DESIGN	CHRISTOPHER LILLIE	NAYAN AMIN / RUTA JARIWALA	N.A.	11/01/10

CHECKED BY

LAST REVISION 11-01-10 DATE PLOTTED => 11/5/2010 TIME PLOTTED => 1:08:30 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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NOTE:

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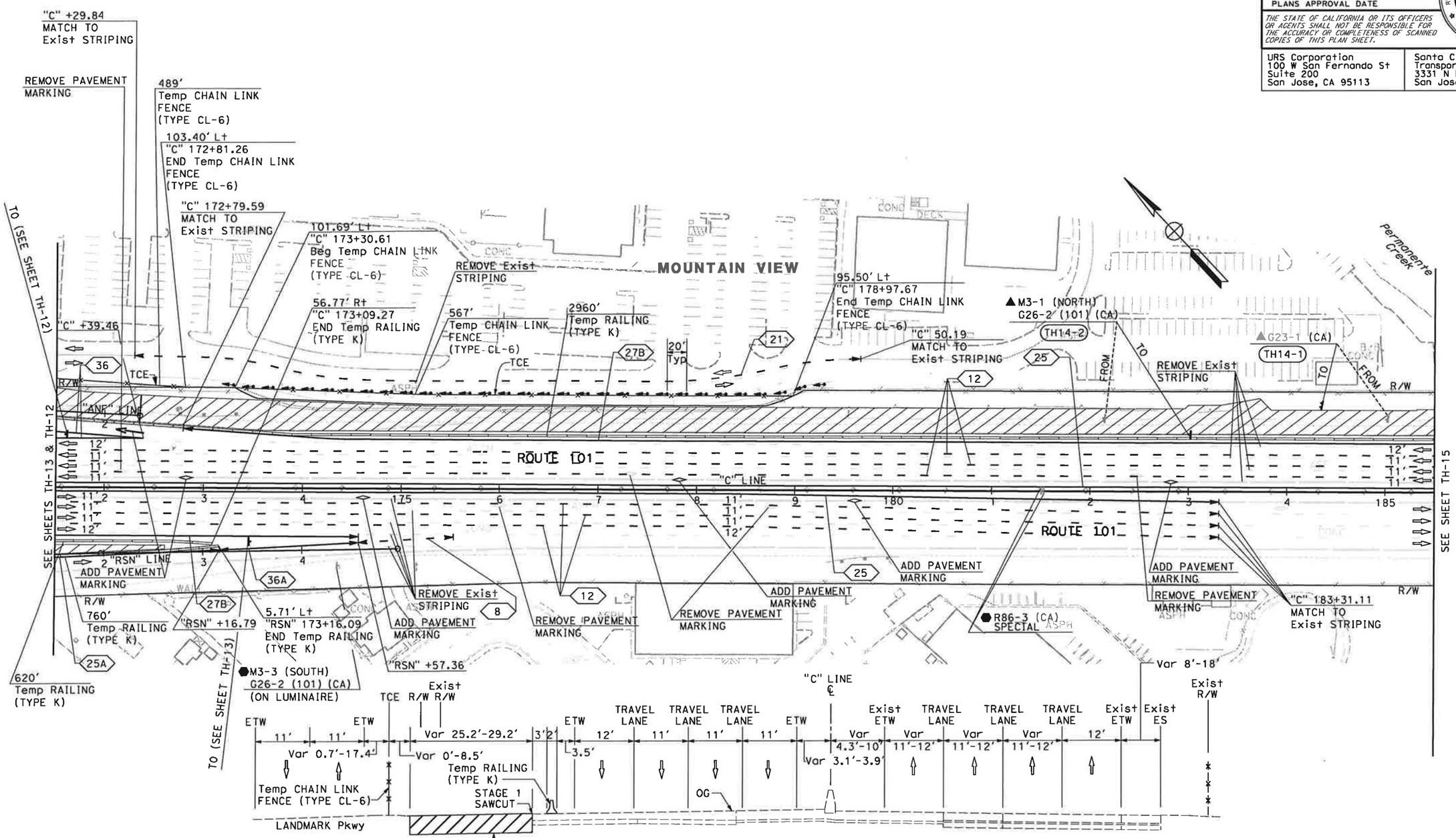

FOR NOTES AND LEGEND, SEE SHEET TH-1

ROUTE 101
"C" 172+35.00 TO 178+97.67
NO SCALE

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 1)

SCALE: 1" = 50'

TH-14

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE
CALCULATED-DESIGNED BY: NAYAN AMIN
CHECKED BY: RUTA JARIWALA
REVISED BY: N.A.
DATE REVISED: 11/01/10

LAST REVISION 11-01-10
DATE PLOTTED => 11/5/2010
TIME PLOTTED => 1:08:32 PM

BORDER LAST REVISED 7/2/2010
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DGN FILE => ...\44A330md014.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 0712
PROJECT NUMBER & PHASE 0400011261

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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Santa Clara Valley
Transportation Authority
3331 N First Street
San Jose, CA 95134

NOTE:

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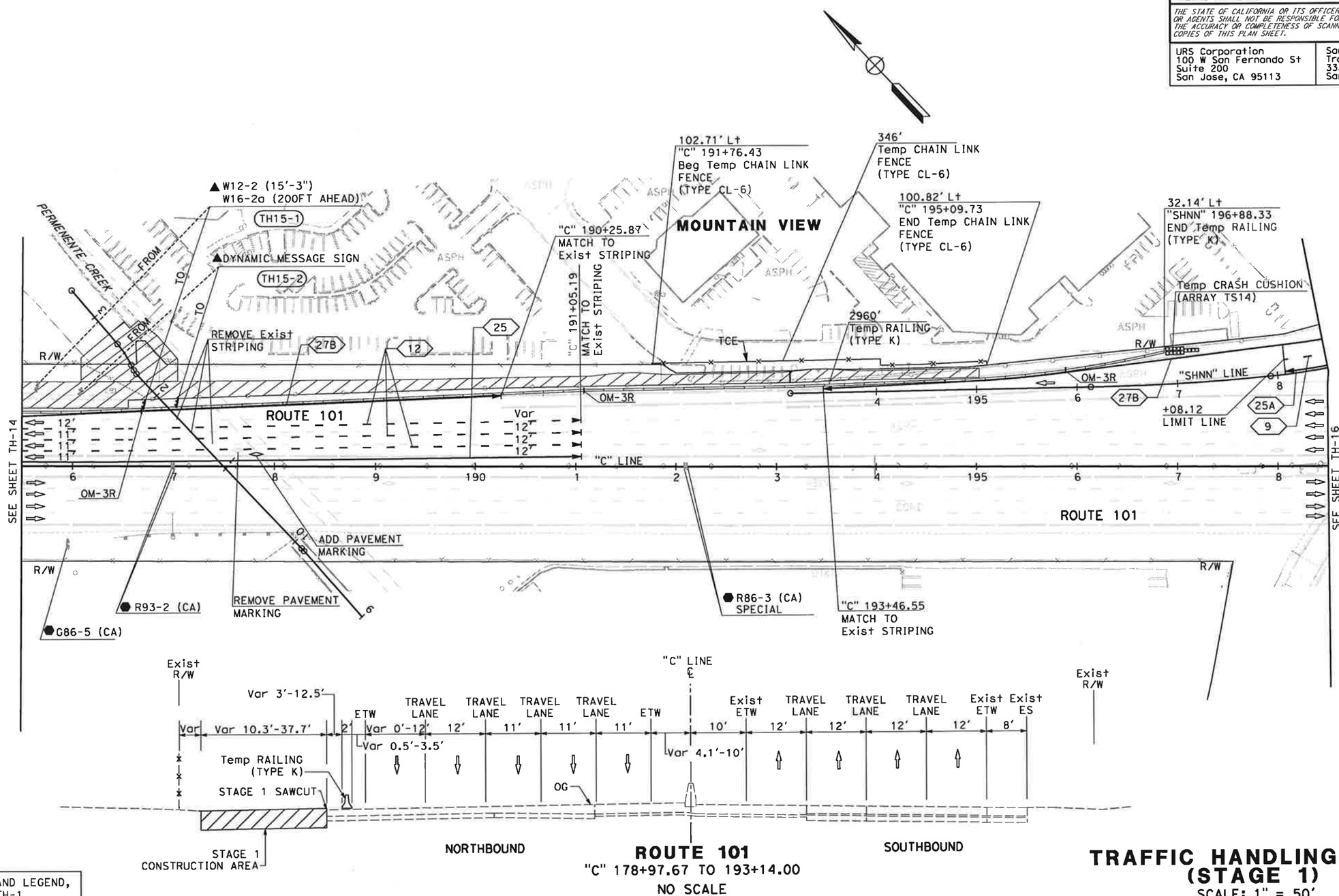

ROUTE 101
"C" 178+97.67 TO 193+14.00
NO SCALE

FOR NOTES AND LEGEND, SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 1)

SCALE: 1" = 50'

TH-15

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE
CALCULATED-DESIGNED BY: NAYAN AMIN
CHECKED BY: RUTA JARIWALA
REVISED BY: N.A.
DATE REVISED: 11/01/10

LAST REVISION 11-01-10
DATE PLOTTED => 11/5/2010
TIME PLOTTED => 1:08:33 PM

BORDER LAST REVISED 7/2/2010
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DGN FILE => ...\44A330md015.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 0712
PROJECT NUMBER & PHASE 0400011261

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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Santa Clara Valley Transportation Authority
3331 N First Street
San Jose, CA 95134

NOTE:

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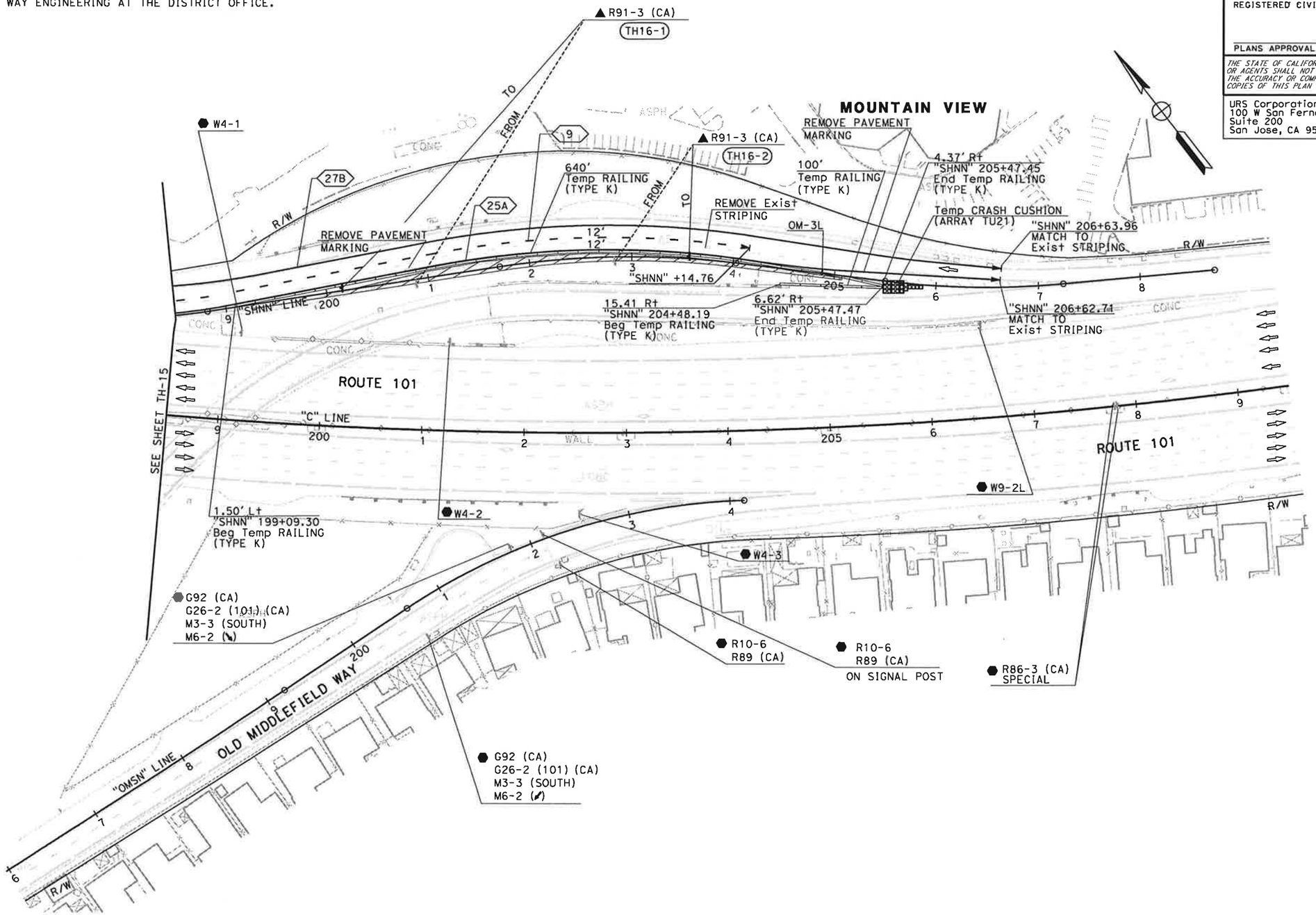

FOR NOTES AND LEGEND, SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 1)

SCALE: 1" = 50'

TH-16

N.A.	11/01/10
REVISED BY	DATE REVISED
NAYAN AMIN	RUTA JARIWALA
CALCULATED-DESIGNED BY	CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR	CHRISTOPHER LILLIE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

LAST REVISION 11-01-10
DATE PLOTTED => 11/5/2010
TIME PLOTTED => 1:08:35 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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Santa Clara Valley
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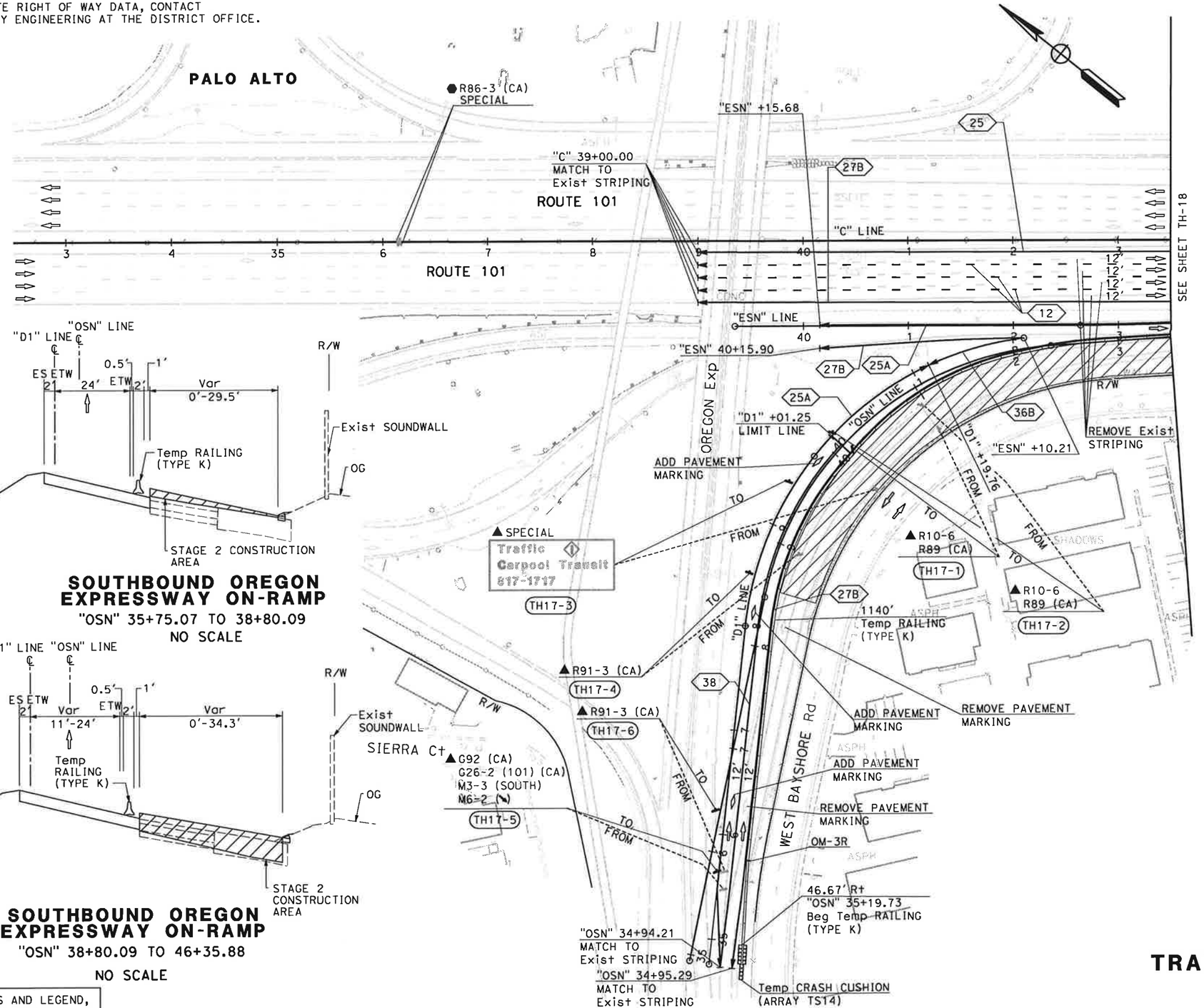

FOR NOTES AND LEGEND, SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 2)

SCALE: 1" = 50'

TH-17

REVISED BY	DATE REVISED
N.A.	11/01/10

CALCULATED-DESIGNED BY: NAYAN AMIN
CHECKED BY: RUTA JARIWALA
CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN

LAST REVISION 11-01-10 | DATE PLOTTED => 11/5/2010 | TIME PLOTTED => 1:08:38 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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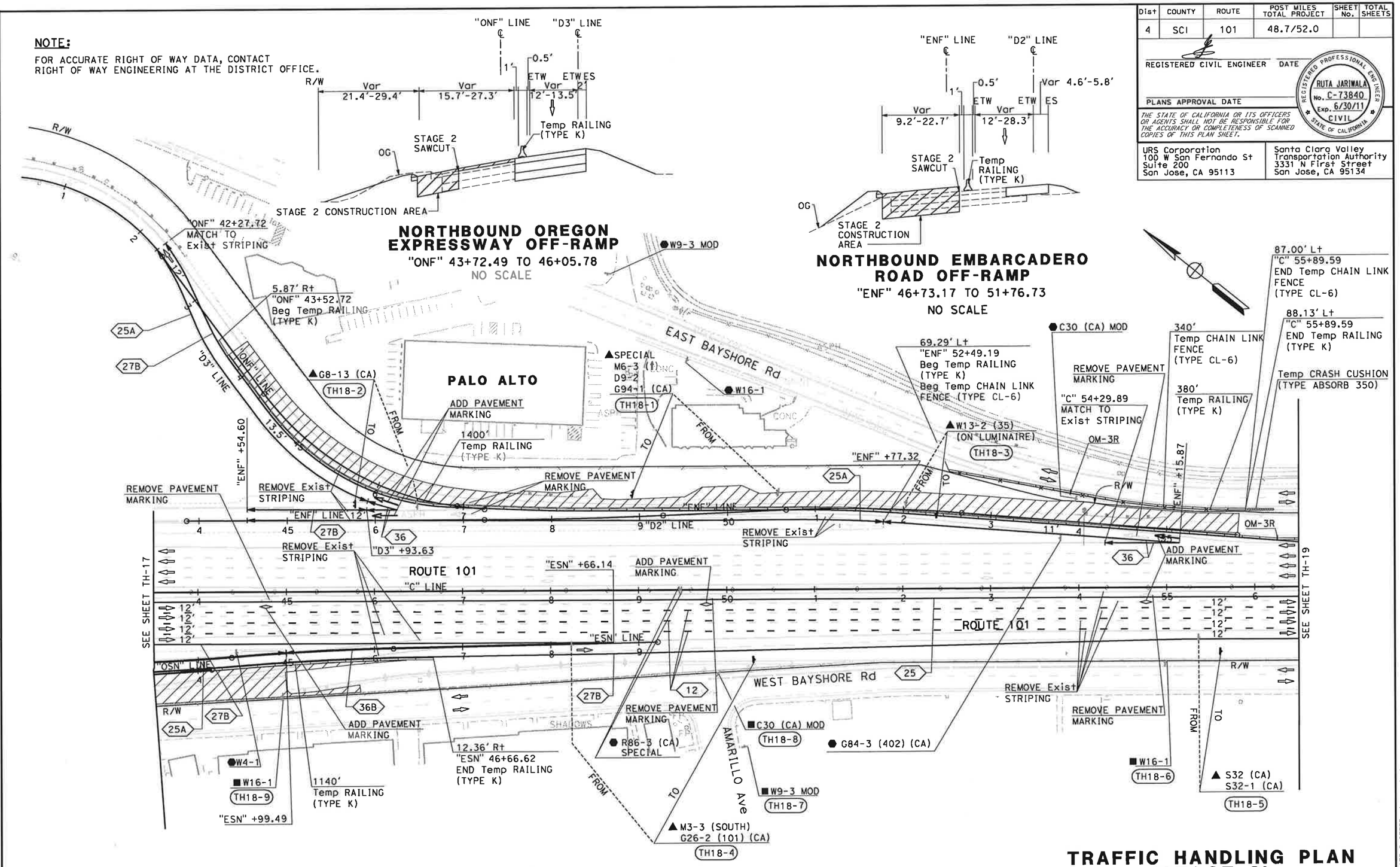

FOR NOTES AND LEGEND, SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 2)

SCALE: 1" = 50'

TH-18

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	CHECKED BY	REVISED BY	DATE REVISED
Caltrans TRAFFIC DESIGN	CHRISTOPHER LILLIE	NAYAN AMIN	RUTA JARIWALA	N.A.	11/01/10

LAST REVISION 11-01-10 | DATE PLOTTED => 11/5/2010 | TIME PLOTTED => 1:08:40 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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NOTE:

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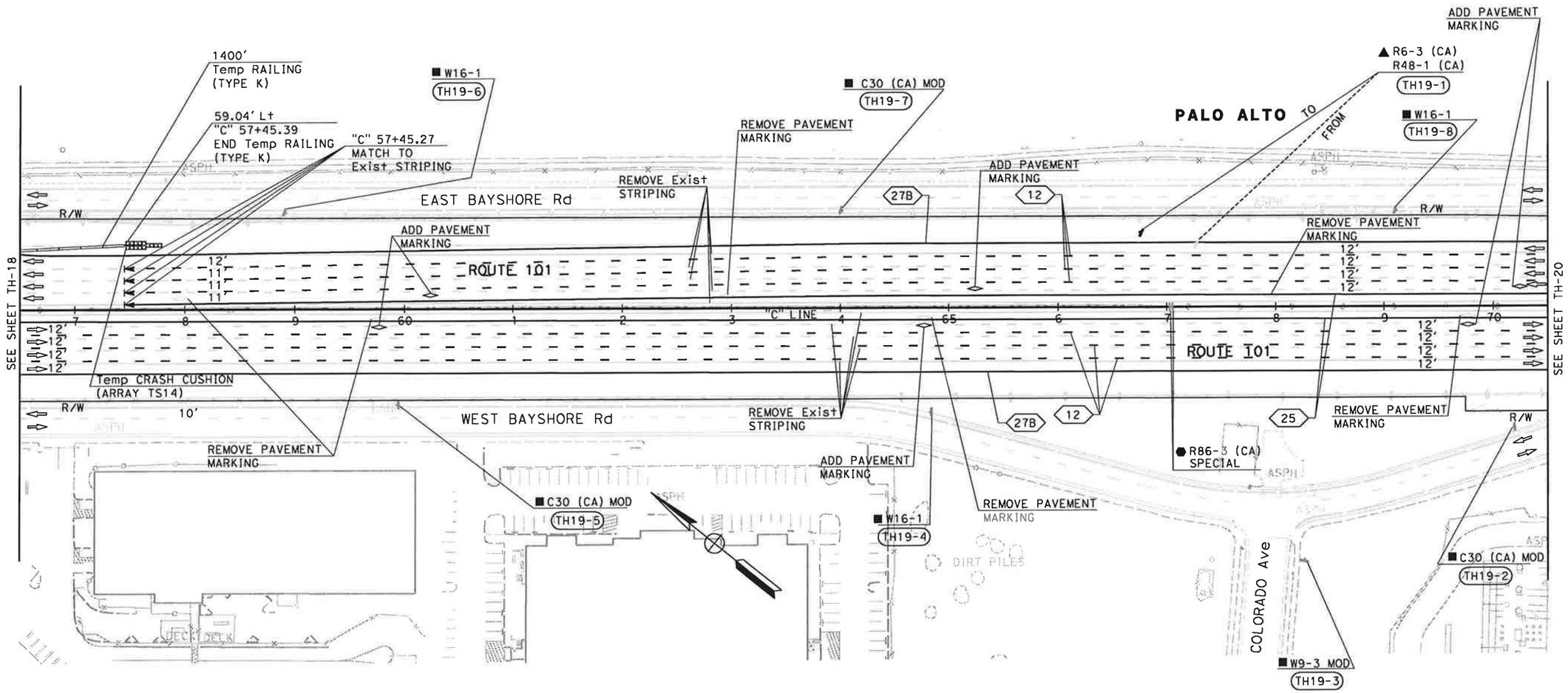
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



FOR NOTES AND LEGEND, SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 2)

SCALE: 1" = 50'

TH-19

N.A.	11/01/10
REVISED BY	DATE REVISED
NAYAN AMIN	RUTA JARIWALA
CALCULATED-DESIGNED BY	CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR	CHRISTOPHER LILLIE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

LAST REVISION 11-01-10
DATE PLOTTED => 11/5/2010
TIME PLOTTED => 1:08:42 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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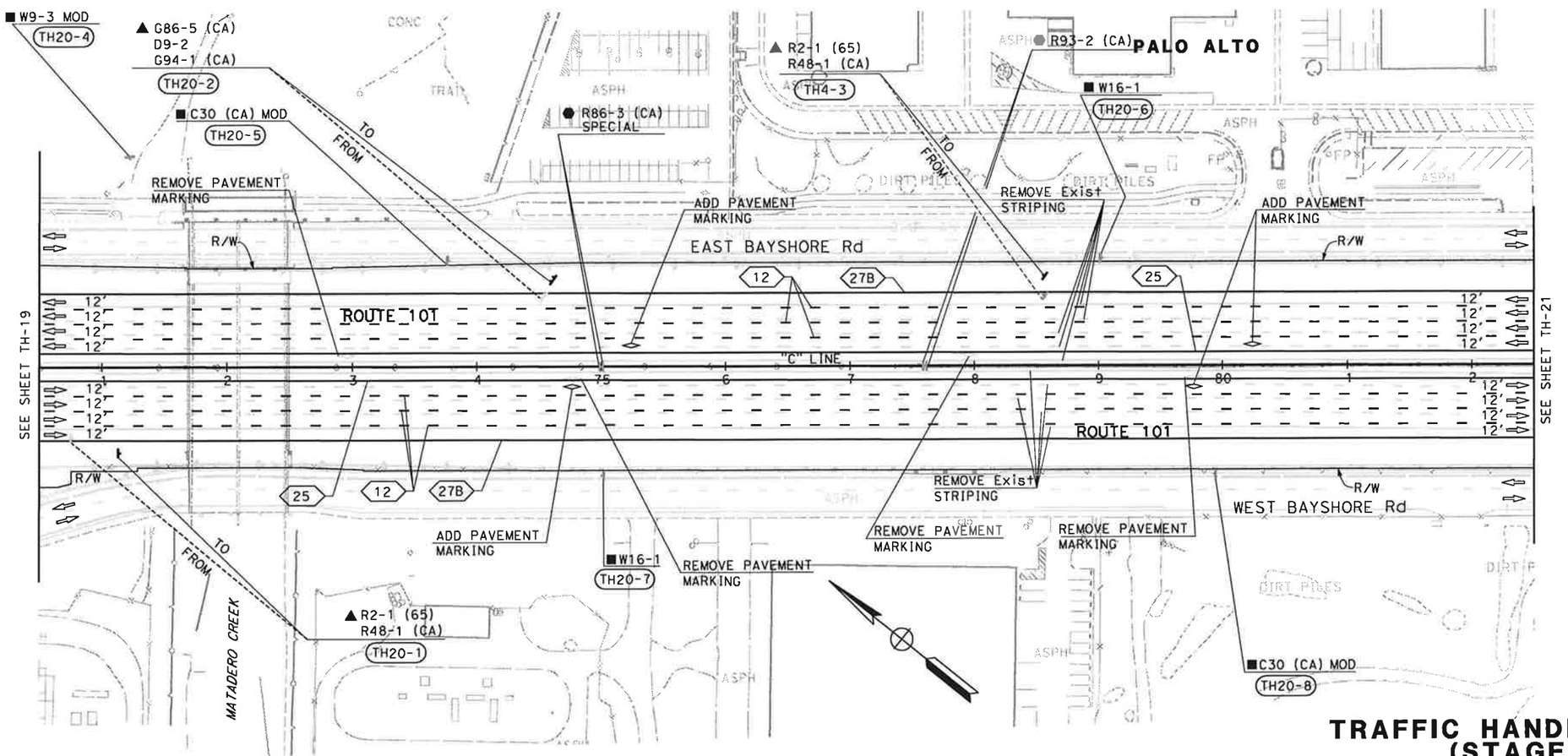

FOR NOTES AND LEGEND, SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 2)

SCALE: 1" = 50'

TH-20

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE
CALCULATED-DESIGNED BY: NAYAN AMIN
CHECKED BY: RUTA JARIWALA
REVISED BY: N.A.
DATE REVISED: 11/01/10

LAST REVISION: 11-01-10
DATE PLOTTED => 11/5/2010
TIME PLOTTED => 1:08:44 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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NOTE:

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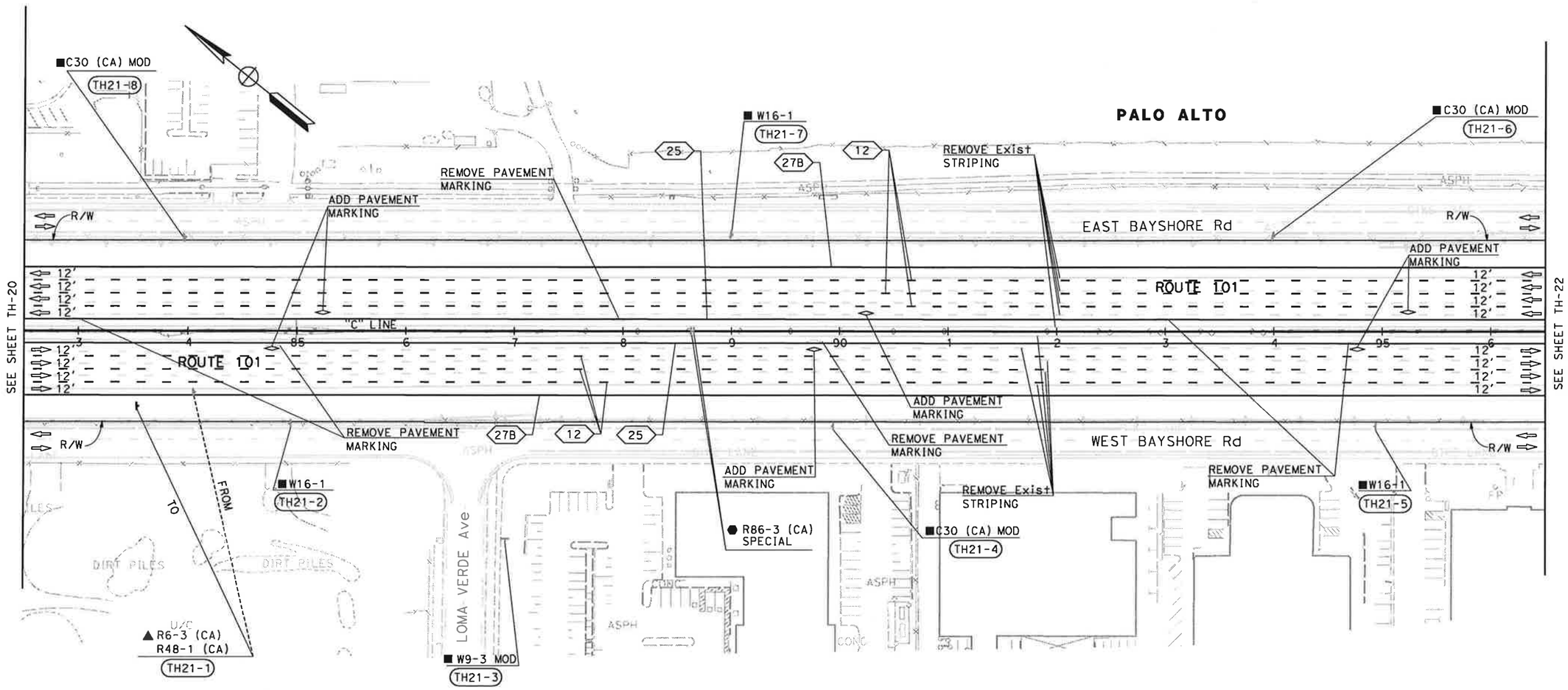

FOR NOTES AND LEGEND,
SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 2)

SCALE: 1" = 50'

TH-21

REVISED BY	DATE REVISED
N.A.	11/01/10

CALCULATED-DESIGNED BY: NAYAN AMIN
CHECKED BY: RUTA JARIWALA

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

LAST REVISION 11-01-10 | DATE PLOTTED => 11/5/2010 | TIME PLOTTED => 1:08:46 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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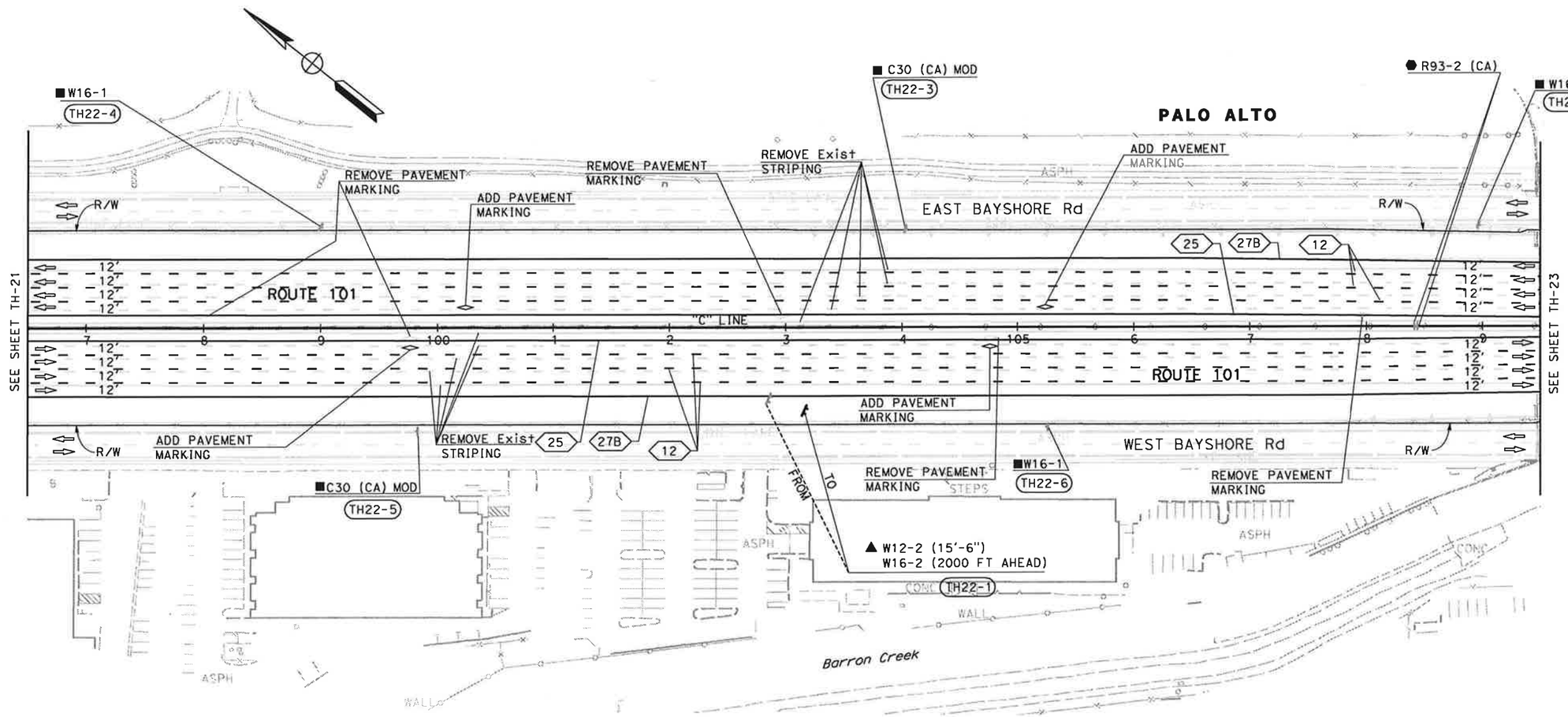
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



FOR NOTES AND LEGEND,
SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 2)

SCALE: 1" = 50'

TH-22

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE
CALCULATED-DESIGNED BY: NAYAN AMIN
CHECKED BY: RUTA JARIWALA
REVISED BY: N.A.
DATE REVISED: 11/01/10

LAST REVISION 11-01-10 | DATE PLOTTED => 11/5/2010 | TIME PLOTTED => 1:08:48 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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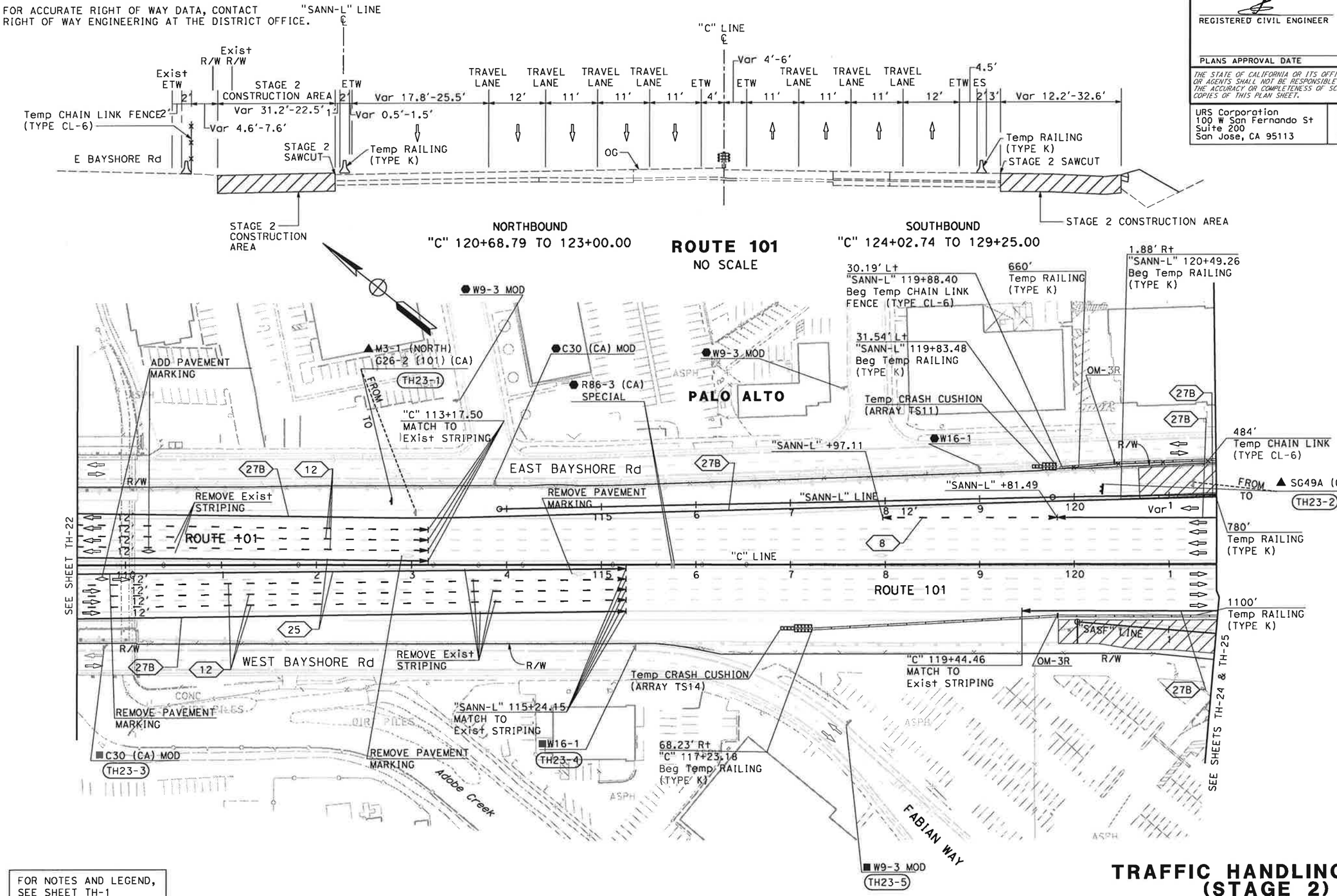

FOR NOTES AND LEGEND, SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 2)

SCALE: 1" = 50'

TH-23

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE

CALCULATED-DESIGNED BY: NAYAN AMIN

CHECKED BY: RUTA JARIWALA

REVISED BY: N.A.

DATE REVISED: 11/01/10

LAST REVISION 11-01-10 DATE PLOTTED => 11/5/2010 TIME PLOTTED => 1:08:49 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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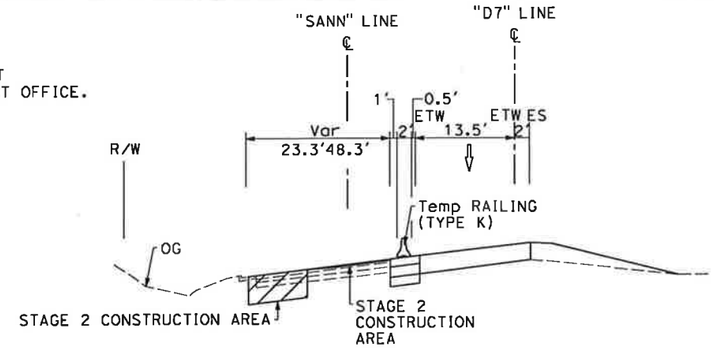
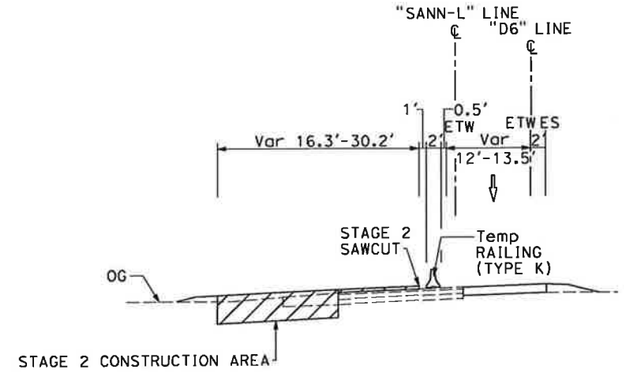


NORTHBOUND SAN ANTONIO ROAD DIAGONAL ON-RAMP

"SANN" 123+12.37 TO 126+81.20

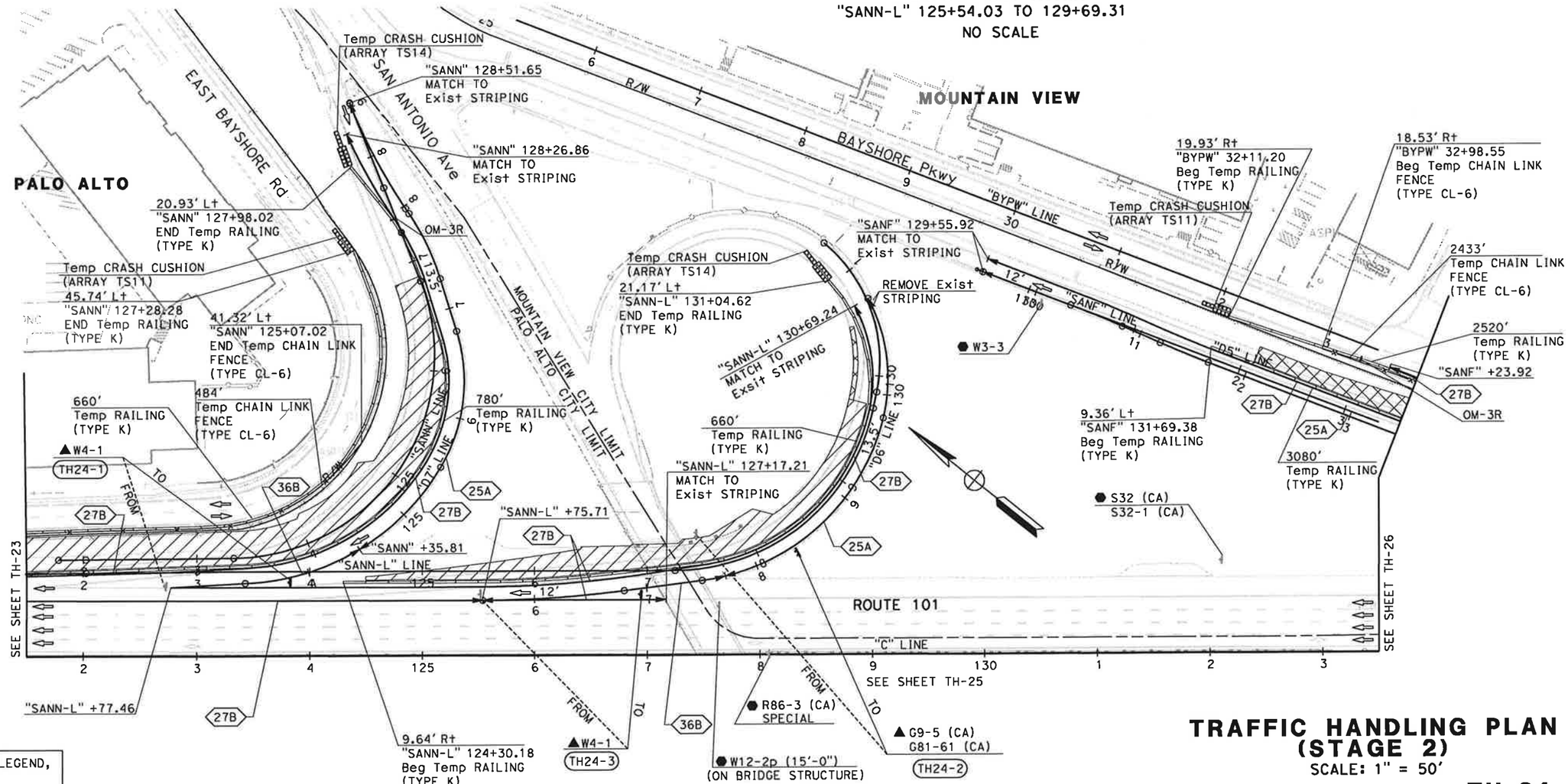
NO SCALE



NORTHBOUND SAN ANTONIO ROAD LOOP ON-RAMP

"SANN-L" 125+54.03 TO 129+69.31

NO SCALE



FOR NOTES AND LEGEND, SEE SHEET TH-1

TRAFFIC HANDLING PLAN (STAGE 2)

SCALE: 1" = 50'

TH-24

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE

CALCULATED-DESIGNED BY: NAYAN AMIN

CHECKED BY: RUTA JARIWALA

REVISED BY: N.A.

DATE REVISED: 11/01/10

LAST REVISION DATE PLOTTED => 11/5/2010
TIME PLOTTED => 11:08:52 PM

BORDER LAST REVISED 7/2/2010

USERNAME => rutvij_patel
DGN FILE => ...\44a331ma024.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0712

PROJECT NUMBER & PHASE 0400011261

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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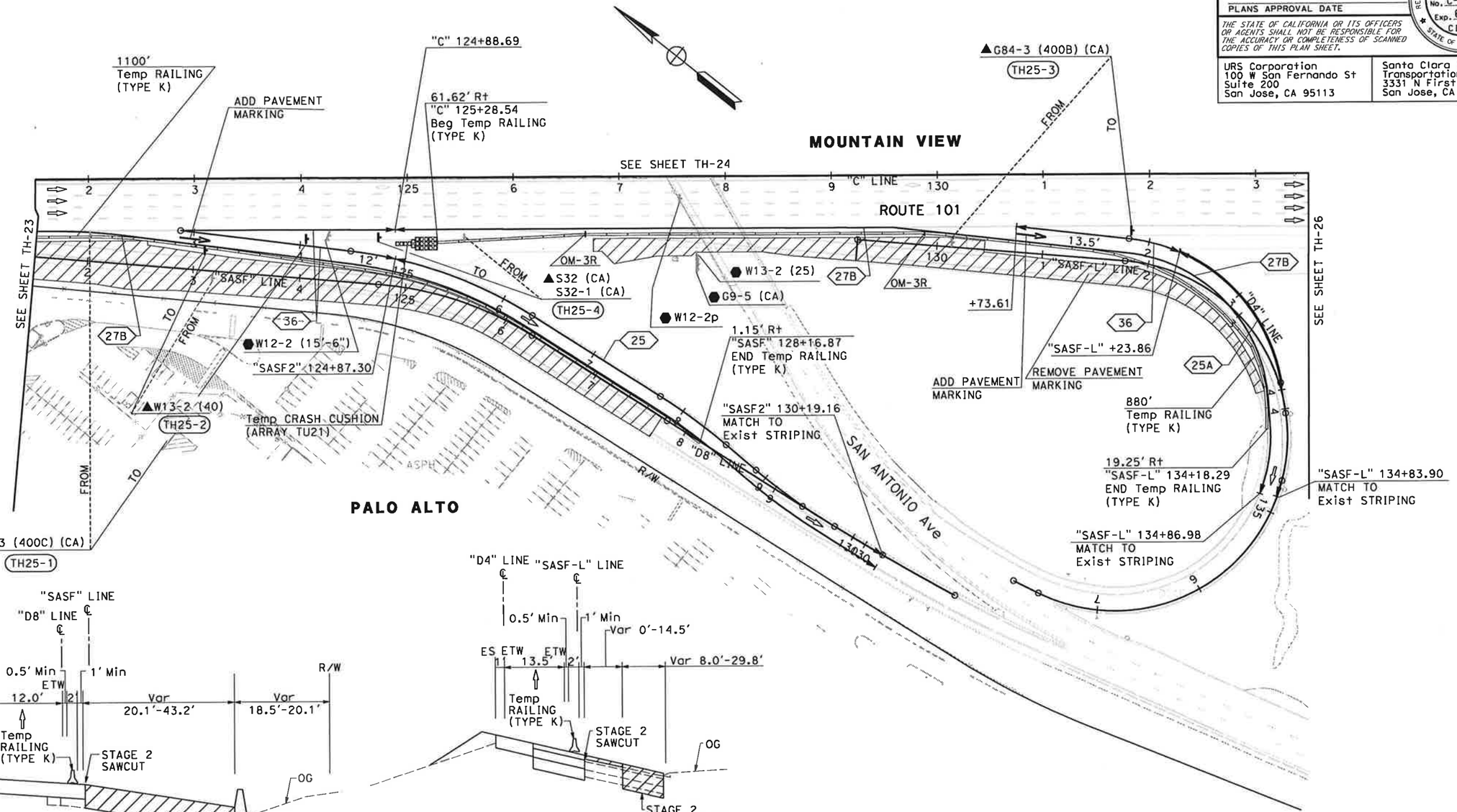

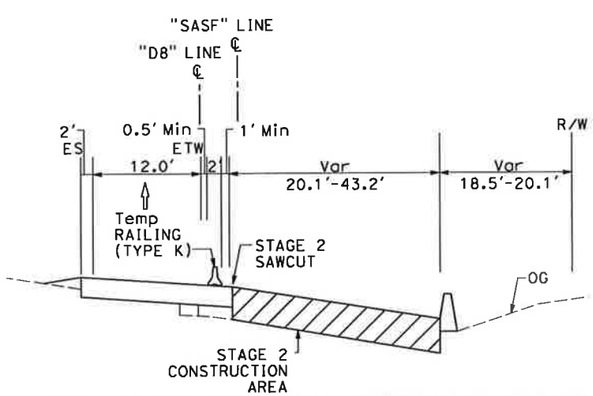

SOUTHBOUND SAN ANTONIO ROAD DIAGONAL OFF-RAMP

"SASF" 121+16.81 TO 127+73.75

NO SCALE

SOUTHBOUND SAN ANTONIO ROAD LOOP OFF-RAMP

"SASF-L" 129+24.80 TO 133+78.00

NO SCALE

FOR NOTES AND LEGEND, SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY.

TRAFFIC HANDLING PLAN (STAGE 2)

SCALE: 1" = 50'

TH-25

N.A.	11/01/10
REVISED BY	DATE REVISED
NAYAN AMIN	RUTA JARIWALA
CALCULATED-DESIGNED BY	CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR	CHRISTOPHER LILLIE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans TRAFFIC DESIGN

LAST REVISION 11-01-10 DATE PLOTTED => 11/5/2010 TIME PLOTTED => 1:08:54 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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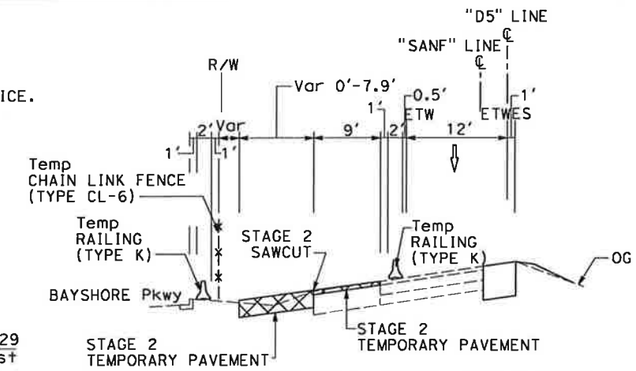
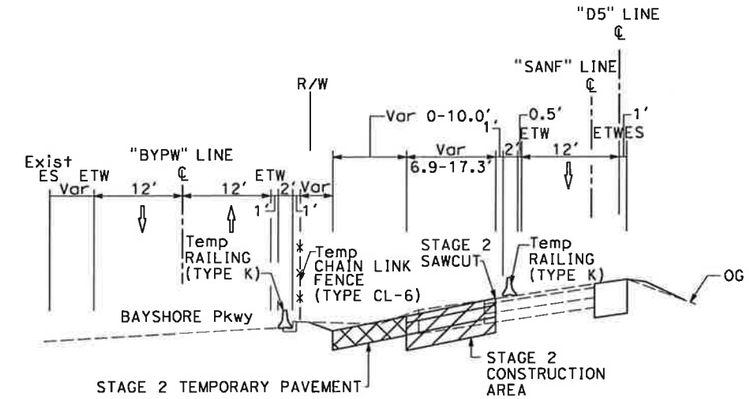


NORTHBOUND SAN ANTONIO ROAD OFF-RAMP

"SANF" 132+10.06 TO 133+79.13

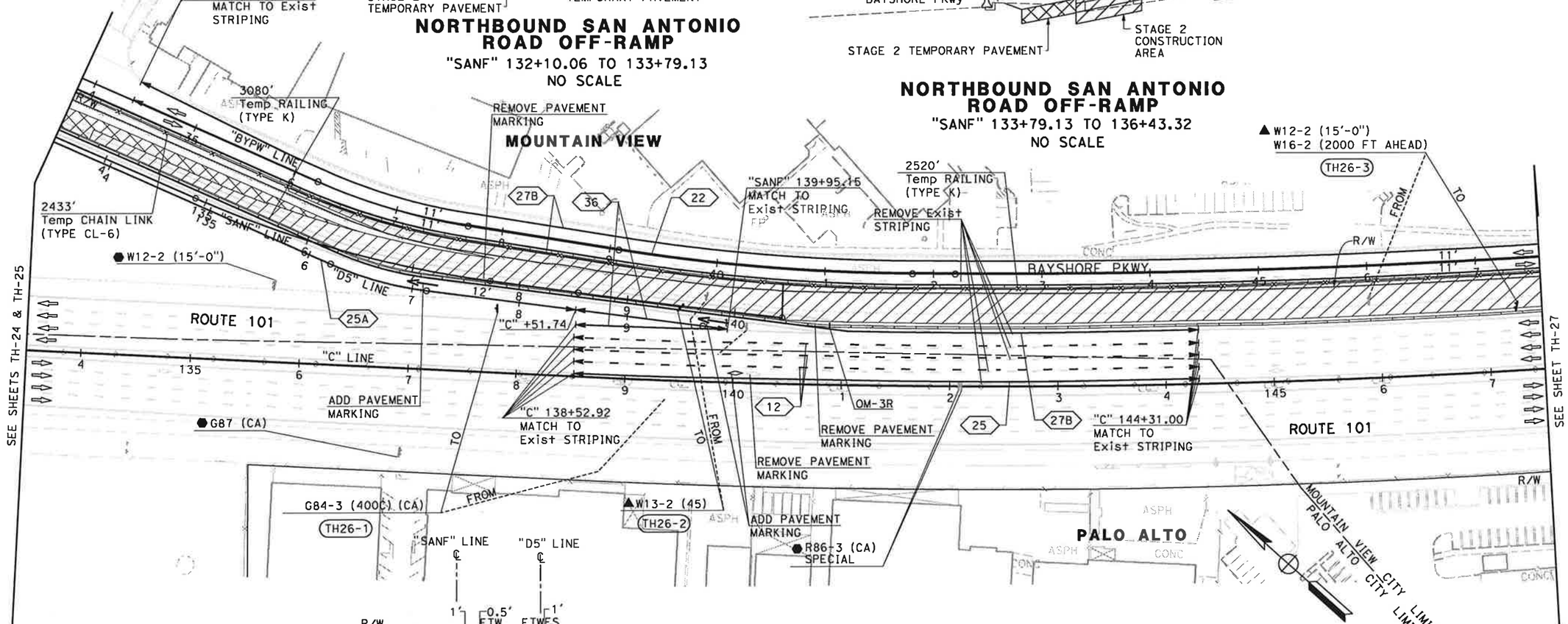
NO SCALE

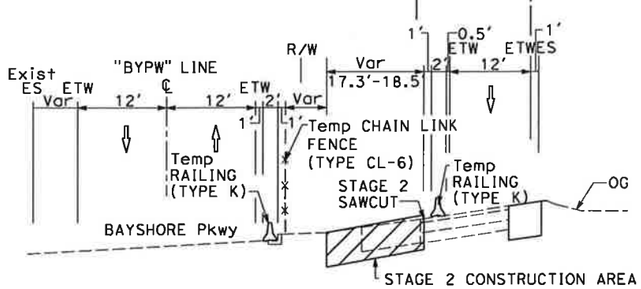


NORTHBOUND SAN ANTONIO ROAD OFF-RAMP

"SANF" 133+79.13 TO 136+43.32

NO SCALE





FOR NOTES AND LEGEND, SEE SHEET TH-1

NORTHBOUND SAN ANTONIO ROAD OFF-RAMP

"SANF" 136+43.32 TO 140+44.15

NO SCALE

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 2)

SCALE: 1" = 50'

TH-26

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE

CALCULATED-DESIGNED BY: NAYAN AMIN

CHECKED BY: RUTA JARIWALA

REVISED BY: N.A.

DATE REVISED: 11/01/10

LAST REVISION 11-01-10

DATE PLOTTED => 11/5/2010

TIME PLOTTED => 1:08:56 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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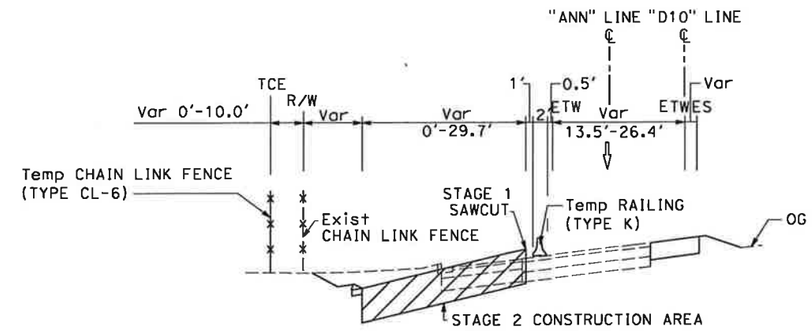
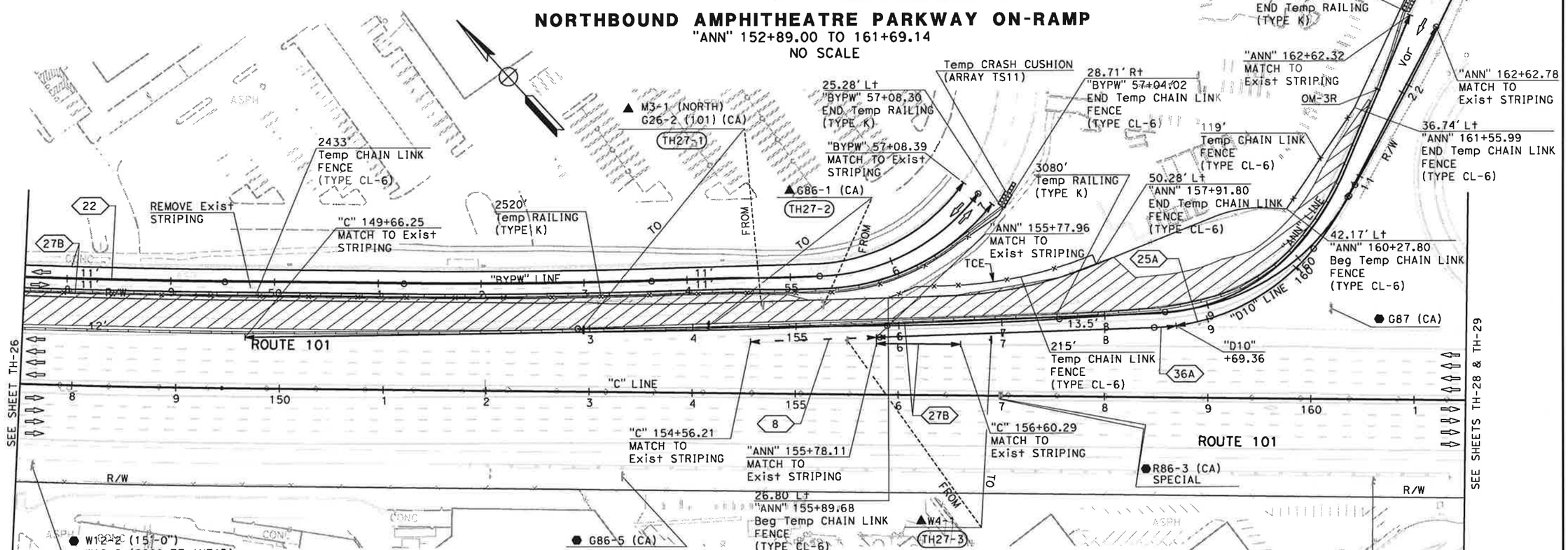
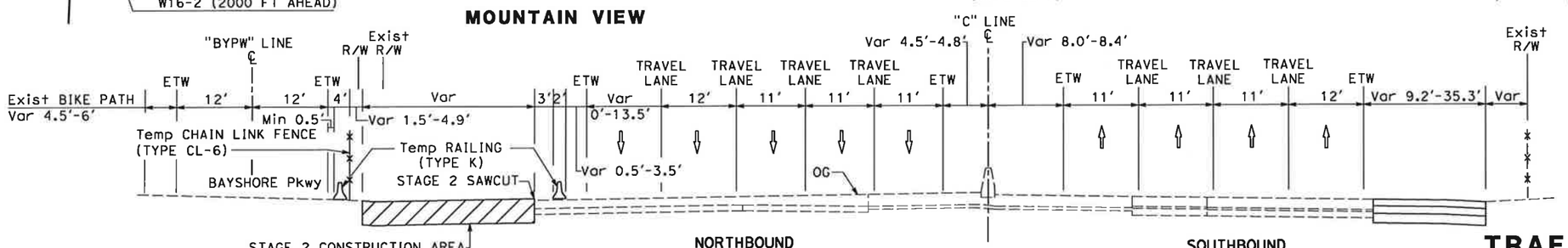


NORTHBOUND AMPHITHEATRE PARKWAY ON-RAMP

"ANN" 152+89.00 TO 161+69.14

NO SCALE





NORTHBOUND
"C" 140+43.81 TO 152+89.00

ROUTE 101
NO SCALE

SOUTHBOUND
"C" 130+27.88 TO 161+97.53

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

FOR NOTES AND LEGEND, SEE SHEET TH-1

TRAFFIC HANDLING PLAN (STAGE 2)

SCALE: 1" = 50'

TH-27

REVISED BY	N.A.
DATE REVISED	11/01/10
CALCULATED-DESIGNED BY	NAYAN AMIN
CHECKED BY	RUTA JARIWALA
CONSULTANT FUNCTIONAL SUPERVISOR	CHRISTOPHER LILLIE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

LAST REVISION 11-01-10
DATE PLOTTED => 11/5/2010
TIME PLOTTED => 1:08:59 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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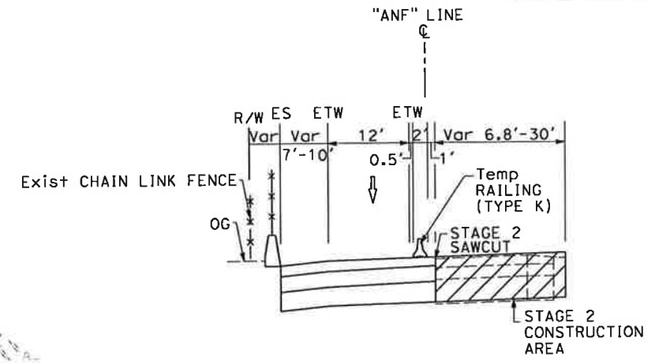
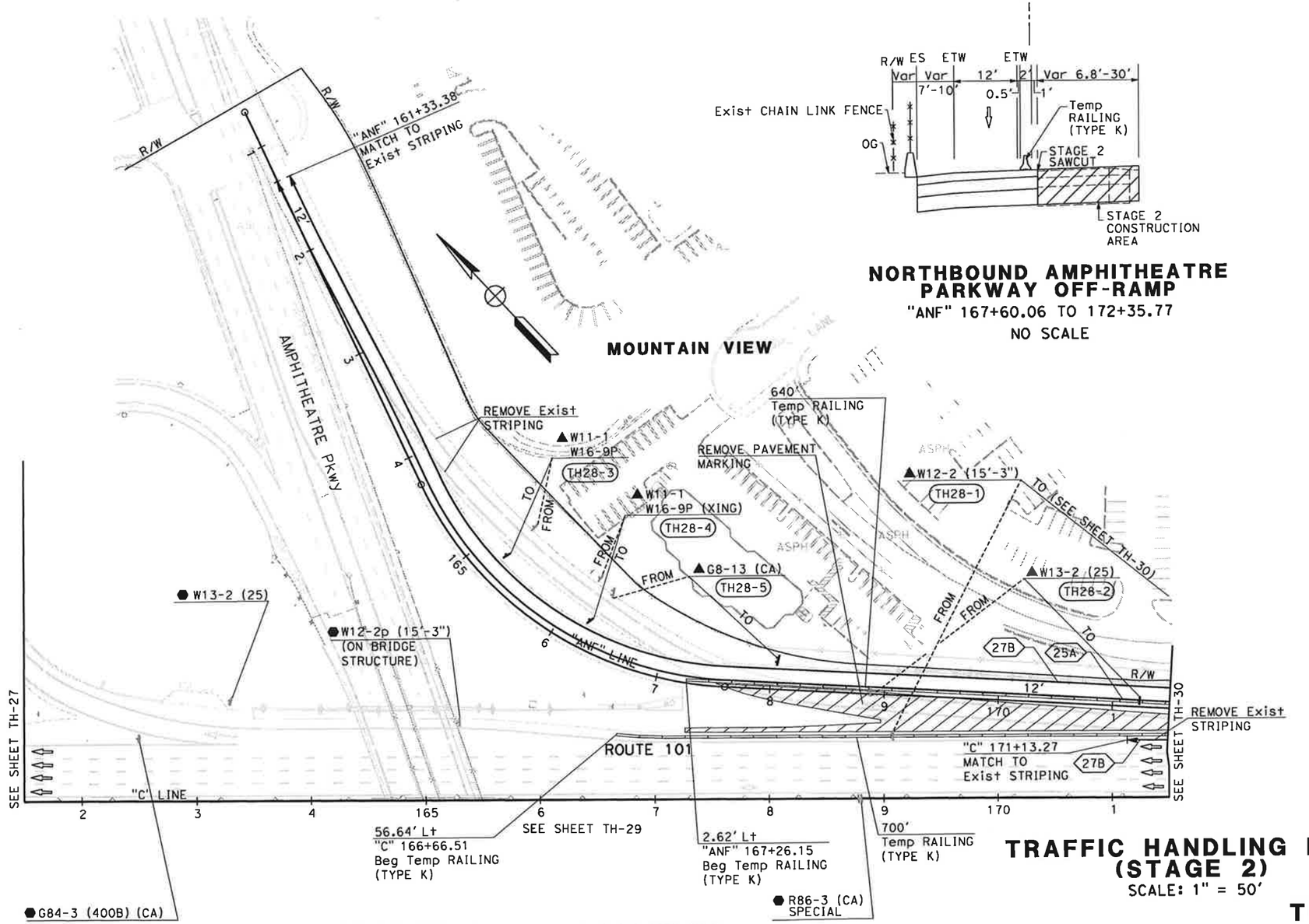


NORTHBOUND AMPHITHEATRE PARKWAY OFF-RAMP

"ANF" 167+60.06 TO 172+35.77

NO SCALE



TRAFFIC HANDLING PLAN (STAGE 2)

SCALE: 1" = 50'

TH-28

FOR NOTES AND LEGEND, SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

REVISED BY	N.A.
DATE REVISED	11/01/10
NAYAN AMIN	
RUTA JARIWALA	
CALCULATED-DESIGNED BY	
CHECKED BY	
CONSULTANT FUNCTIONAL SUPERVISOR	
CHRISTOPHER LILLIE	

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

TRAFFIC DESIGN

LAST REVISION 11-01-10 | DATE PLOTTED => 11/5/2010 | TIME PLOTTED => 1:09:01 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCl	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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Transportation Authority
3331 N First Street
San Jose, CA 95134

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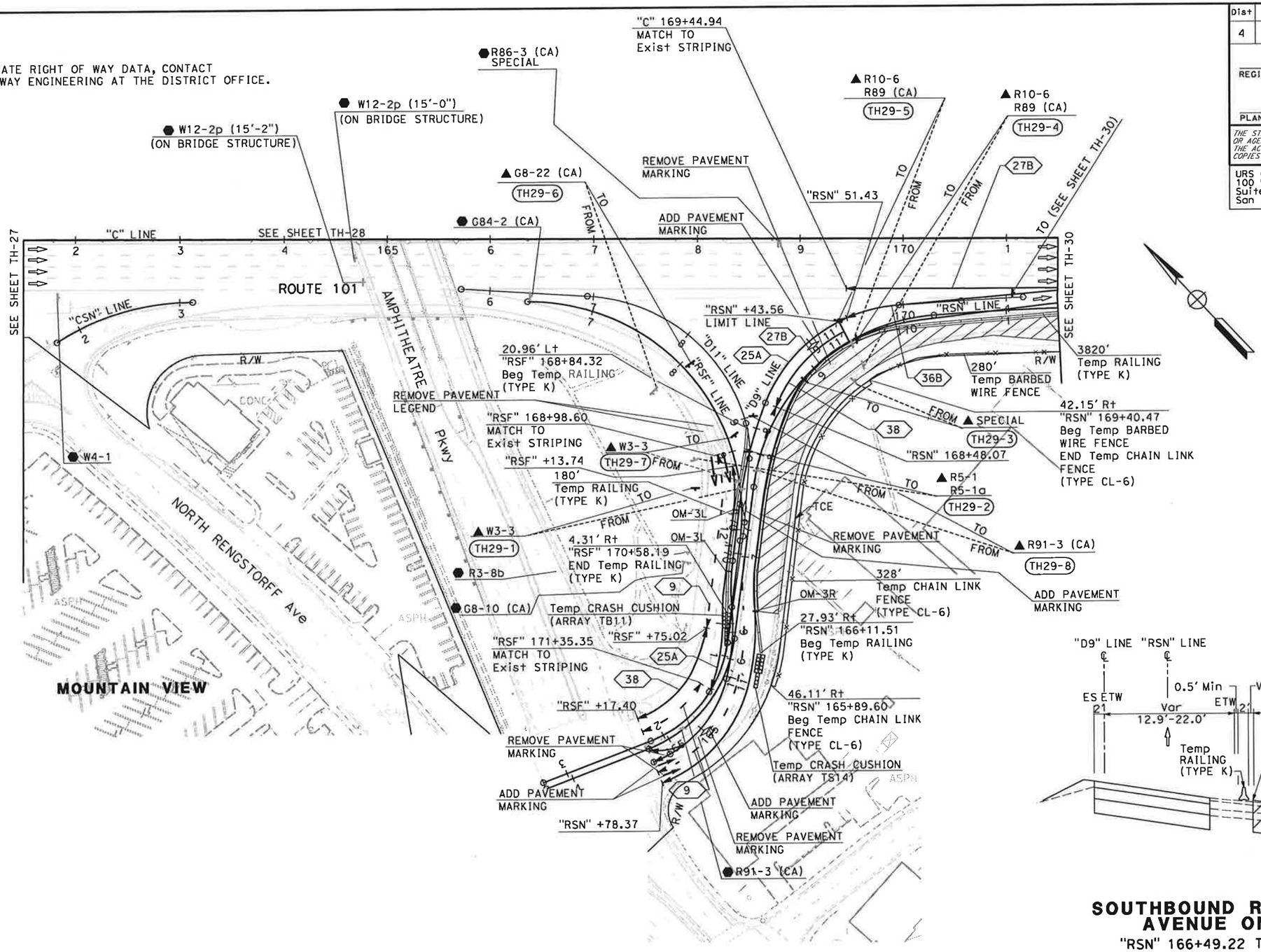

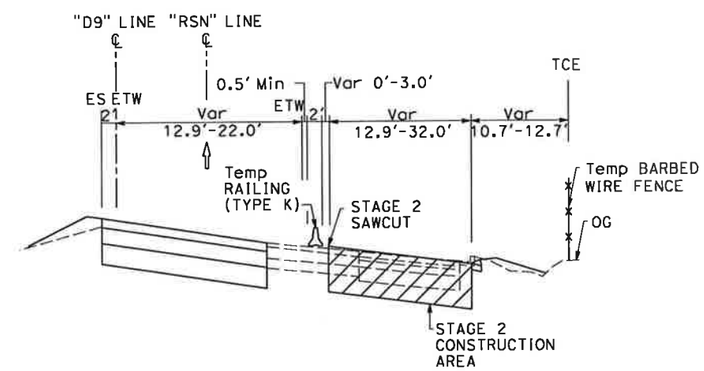

SOUTHBOUND RENGSTORFF AVENUE ON-RAMP

"RSN" 166+49.22 TO 174+97.16

NO SCALE

FOR NOTES AND LEGEND, SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 2)

SCALE: 1" = 50'

TH-29

REVISED BY	DATE REVISED
N.A.	11/01/10

CALCULATED-DESIGNED BY: NAYAN AMIN
CHECKED BY: RUTA JARIWALA
CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

LAST REVISION 11-01-10 | DATE PLOTTED => 11/5/2010 | TIME PLOTTED => 1:09:03 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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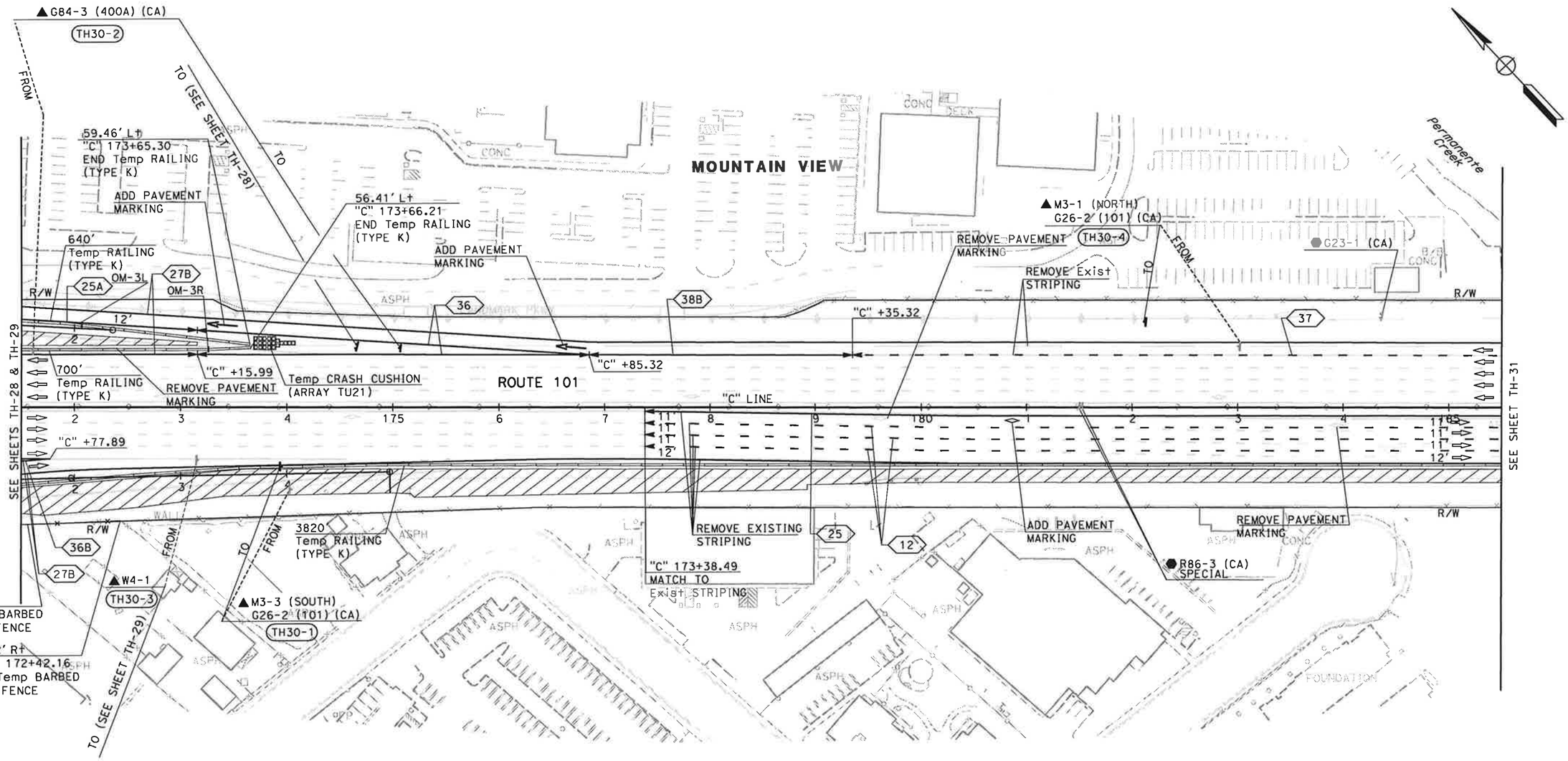

FOR NOTES AND LEGEND,
SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 2)

SCALE: 1" = 50'

TH-30

N.A.	11/01/10
REVISED BY	DATE REVISED
NAYAN AMIN	RUTA JARIWALA
CALCULATED-DESIGNED BY	CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR	CHRISTOPHER LILLIE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

LAST REVISION 11-01-10 | DATE PLOTTED => 11/5/2010 | TIME PLOTTED => 1:09:05 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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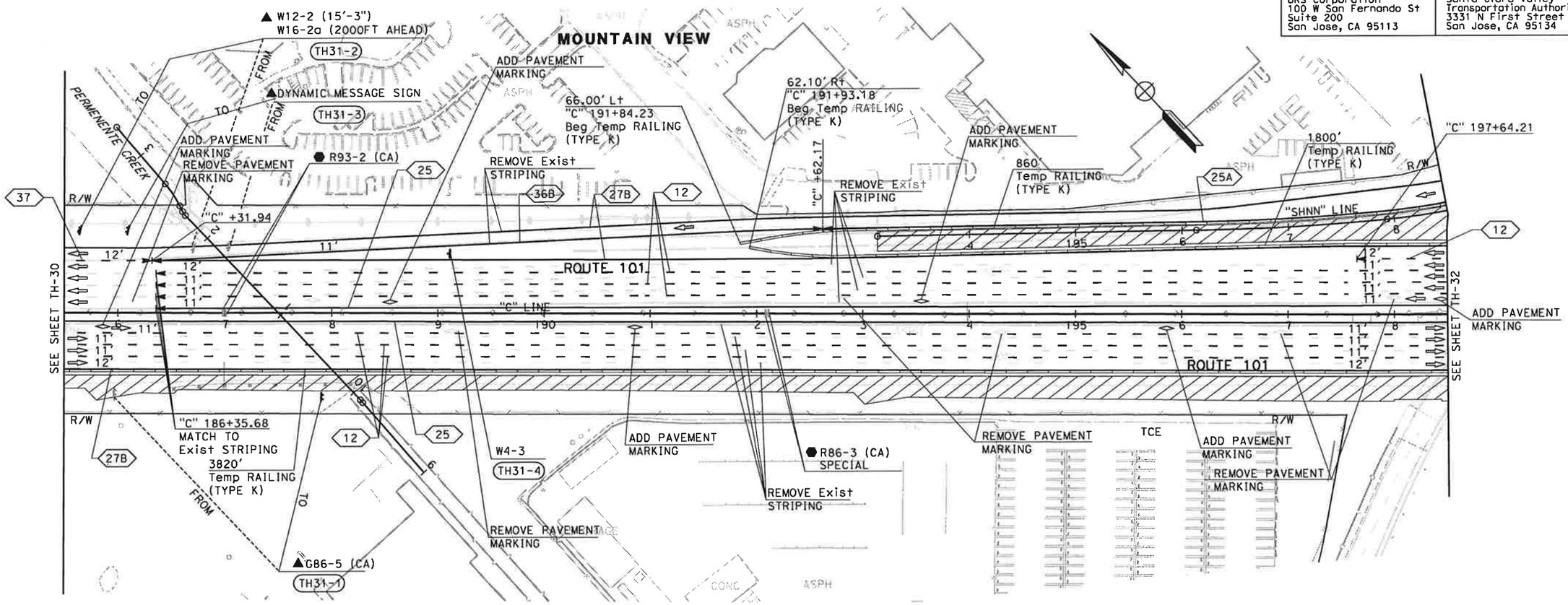

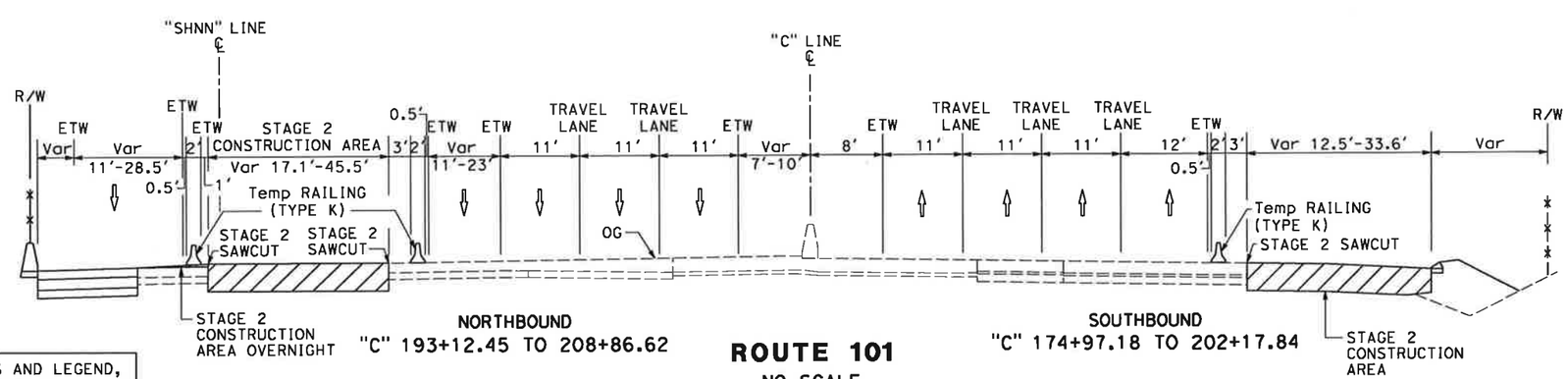

NORTHBOUND
"C" 193+12.45 TO 208+86.62

ROUTE 101
NO SCALE

SOUTHBOUND
"C" 174+97.18 TO 202+17.84

FOR NOTES AND LEGEND, SEE SHEET TH-1

TRAFFIC HANDLING PLAN (STAGE 2)

SCALE: 1" = 50'

TH-31

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

REVISED BY	DATE REVISED
N.A.	11/01/10

NAYAN AMIN — RUTA JARIWALA
CALCULATED-DESIGNED BY — CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR — CHRISTOPHER LILLIE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

LAST REVISION 11-01-10 | DATE PLOTTED => 11/5/2010 | TIME PLOTTED => 1:09:06 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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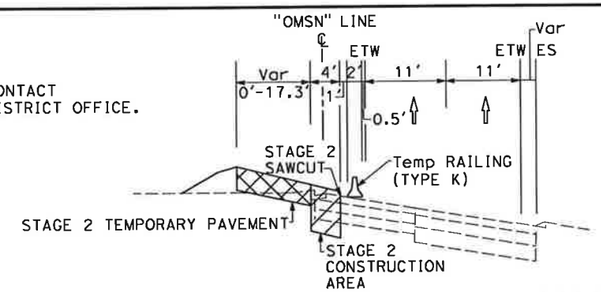
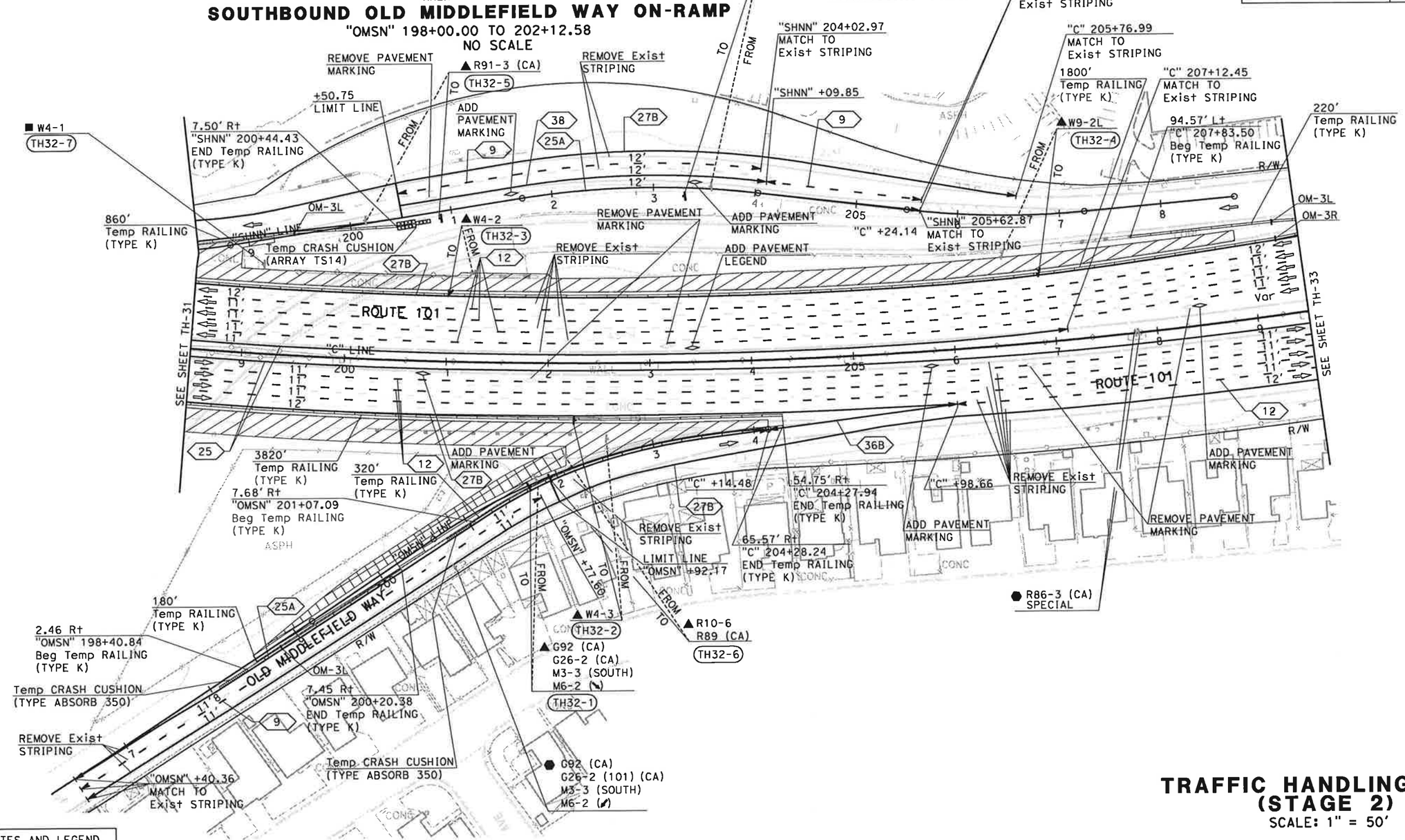


Exist SOUNDWALL

SOUTHBOUND OLD MIDDLEFIELD WAY ON-RAMP

"OMSN" 198+00.00 TO 202+12.58

NO SCALE



FOR NOTES AND LEGEND, SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 2)

SCALE: 1" = 50'

TH-32

N.A.	11/01/10
REVISED BY	DATE REVISED
NAYAN AMIN	RUTA JARIWALA
CALCULATED-DESIGNED BY	CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR	CHRISTOPHER LILLIE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans TRAFFIC DESIGN

LAST REVISION 11-01-10 | DATE PLOTTED => 11/5/2010 | TIME PLOTTED => 1:09:08 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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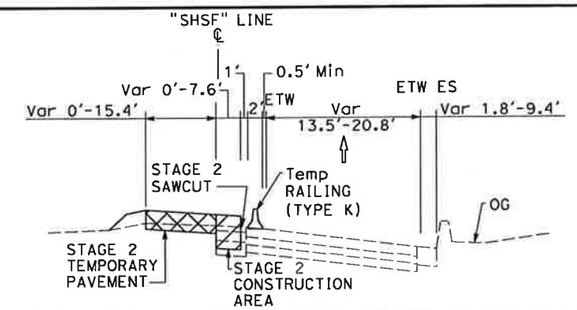
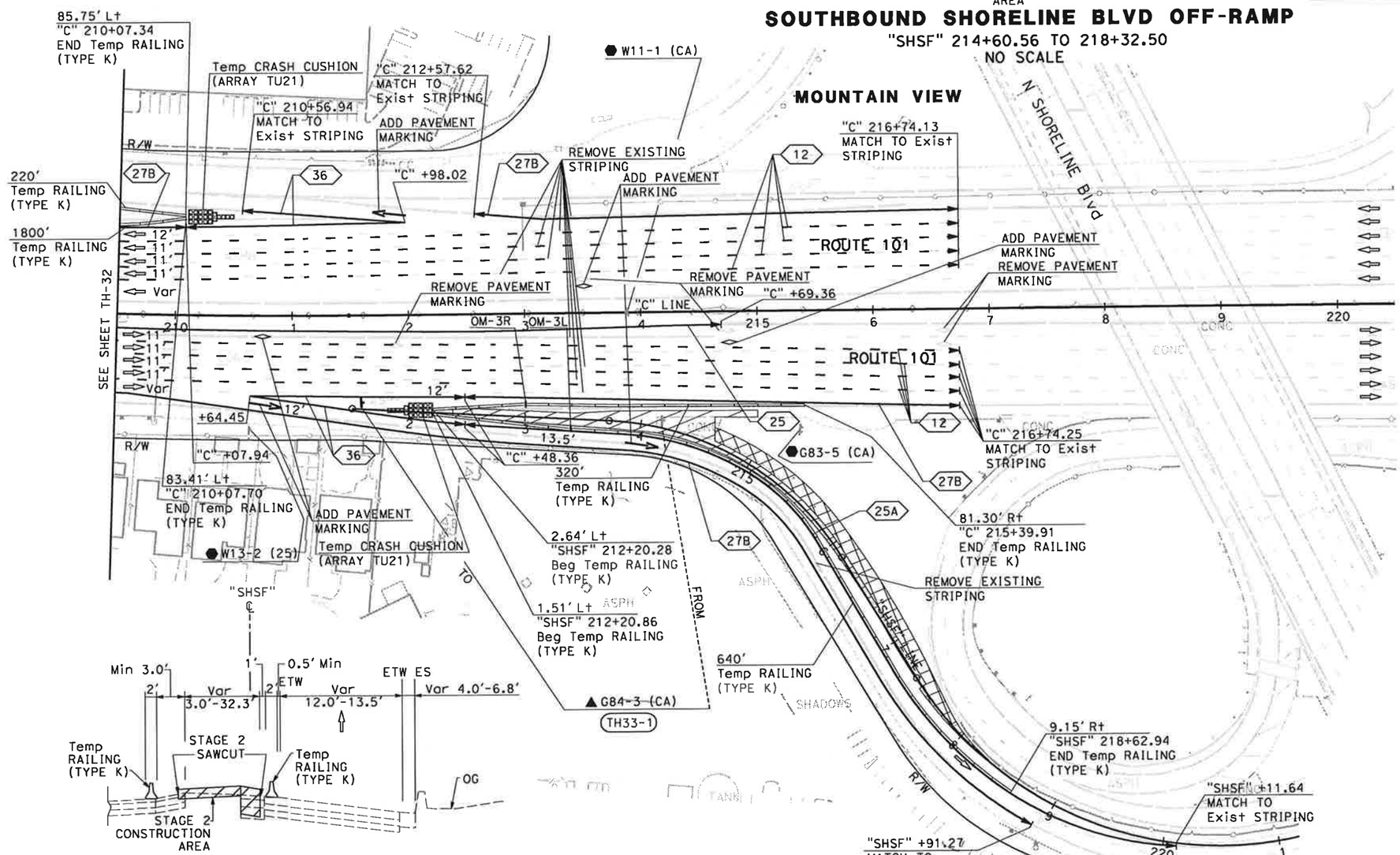


SOUTHBOUND SHORELINE BLVD OFF-RAMP

"SHSF" 214+60.56 TO 218+32.50

NO SCALE



SOUTHBOUND SHORELINE BLVD OFF-RAMP

"SHSF" 212+48.56 TO 214+60.56

NO SCALE

FOR NOTES AND LEGEND, SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 2)

SCALE: 1" = 50'

TH-33

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISED BY	DATE REVISED
Caltrans TRAFFIC DESIGN	CHRISTOPHER LILLIE	NAYAN AMIN / RUTA JARIWALA	N.A.	11/01/10

LAST REVISION 11-01-10 DATE PLOTTED => 11/5/2010 TIME PLOTTED => 11:09:11 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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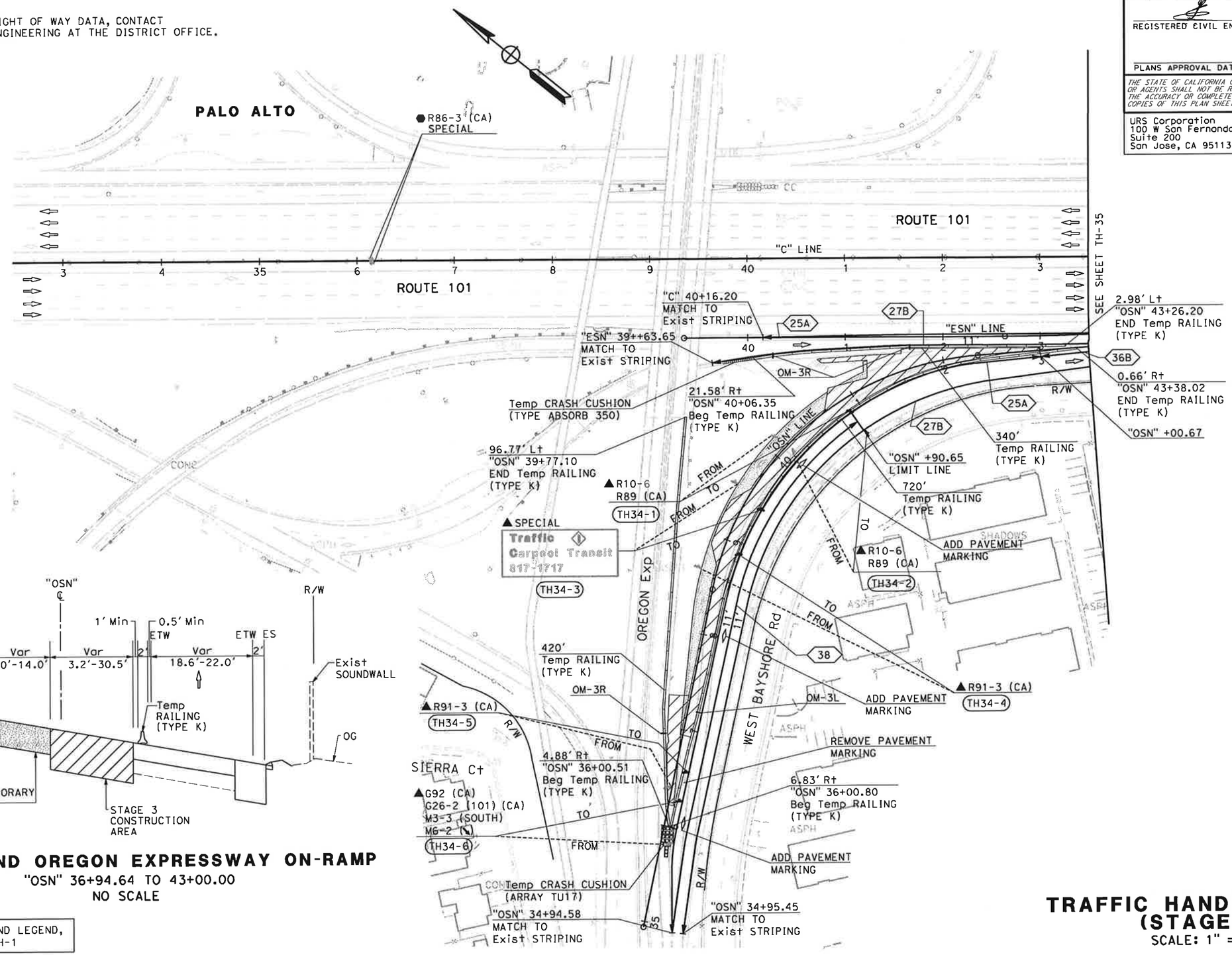

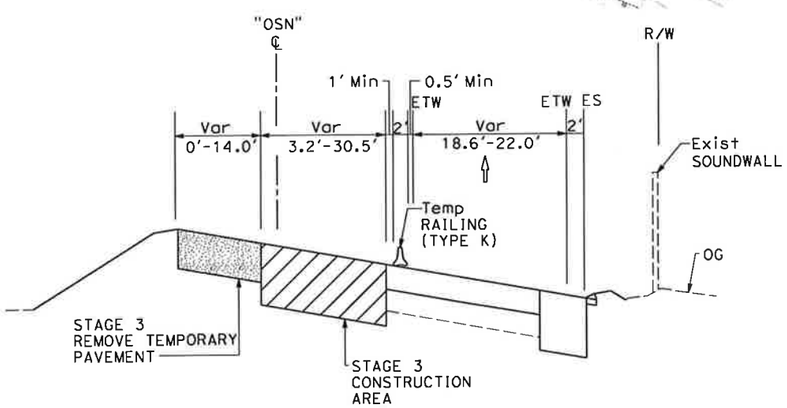

SOUTHBOUND OREGON EXPRESSWAY ON-RAMP

"OSN" 36+94.64 TO 43+00.00
NO SCALE

FOR NOTES AND LEGEND, SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 3)

SCALE: 1" = 50'

TH-34

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE
CALCULATED-DESIGNED BY: NAYAN AMIN
CHECKED BY: RUTA JARIWALA
REVISED BY: N.A.
DATE REVISED: 11/01/10

LAST REVISION: 11-01-10
DATE PLOTTED => 11/5/2010
TIME PLOTTED => 1:09:13 PM

BORDER LAST REVISED 7/2/2010
USERNAME => rutvij_patel
DGN FILE => ...\44A331ma034.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 0712
PROJECT NUMBER & PHASE 0400011261

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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NOTE:

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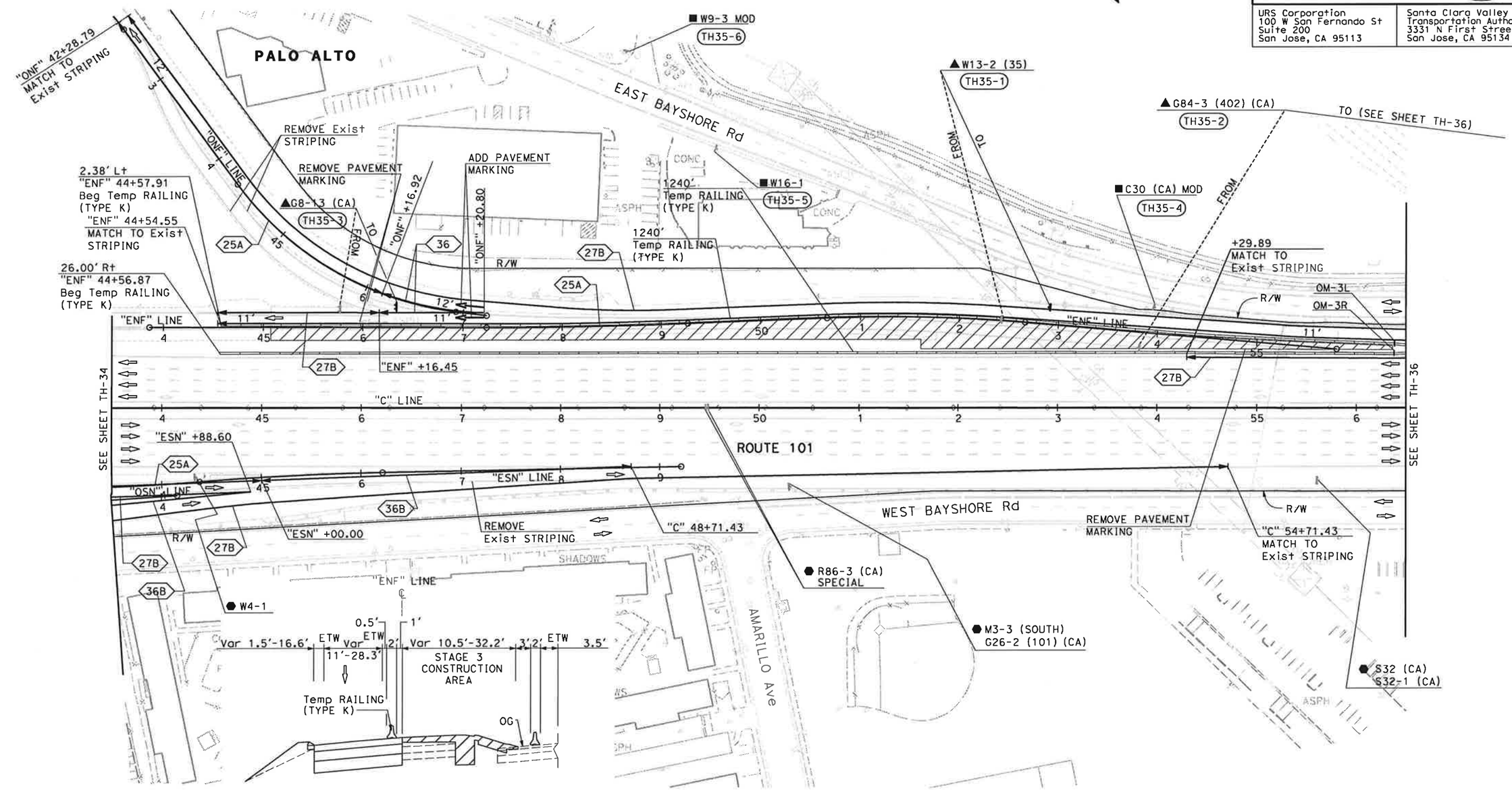
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



FOR NOTES AND LEGEND,
SEE SHEET TH-1

NORTHBOUND EMBARCADERO ROAD OFF-RAMP

"ENF" 45+07.71 TO 55+80.42
NO SCALE

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 3)

SCALE: 1" = 50'

TH-35

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE
CALCULATED-DESIGNED BY: NAYAN AMIN
CHECKED BY: RUTA JARIWALA
REVISED BY: N.A.
DATE REVISED: 11/01/10

LAST REVISION 11-01-10
DATE PLOTTED => 11/5/2010
TIME PLOTTED => 1:09:15 PM

BORDER LAST REVISED 7/2/2010
USERNAME => rutvij_patel
DGN FILE => ...\44a331ma035.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 0712
PROJECT NUMBER & PHASE 0400011261

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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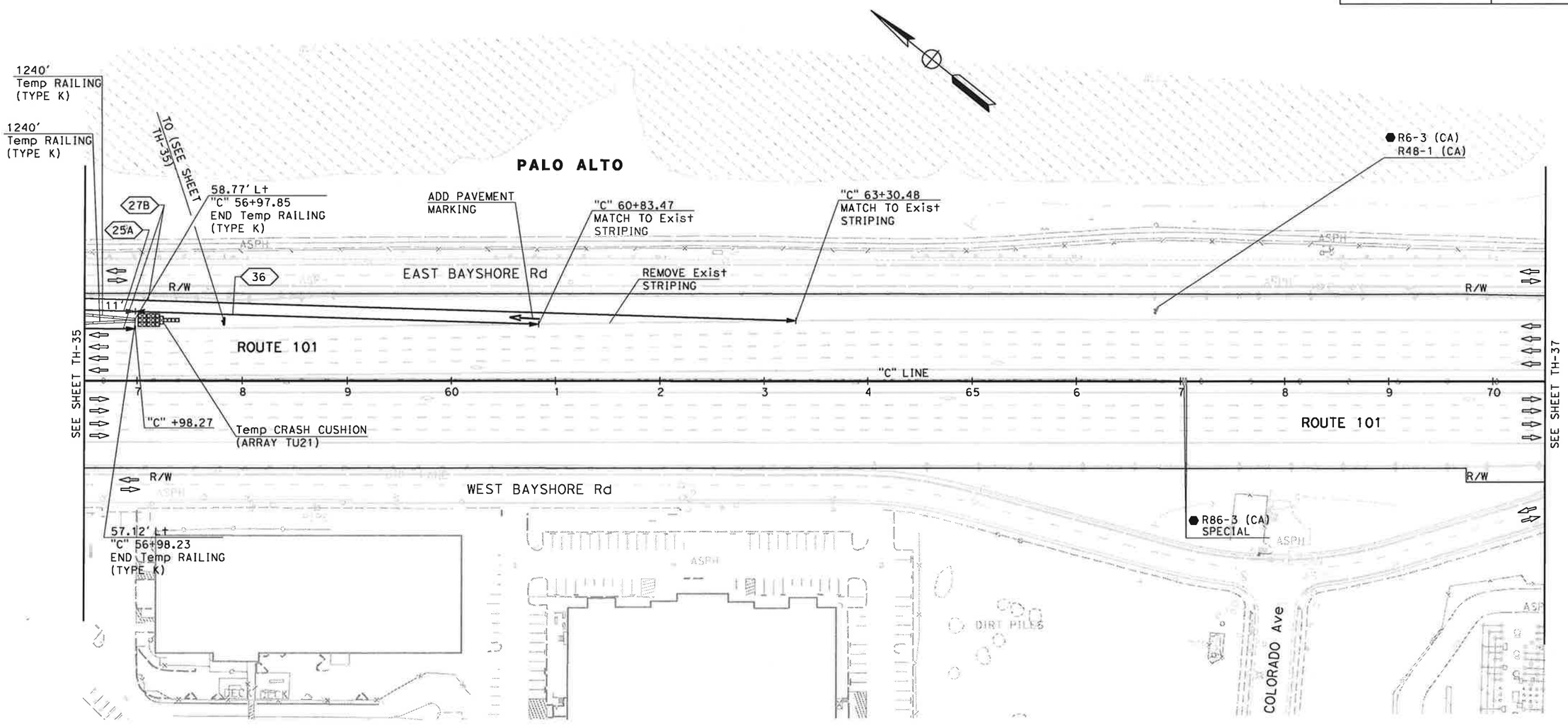

FOR NOTES AND LEGEND, SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 3)

SCALE: 1" = 50'

TH-36

REVISED BY	DATE REVISED
N.A.	11/01/10

NAYAN AMIN — RUTA JARIWALA

CALCULATED-DESIGNED BY — CHECKED BY

CONSULTANT FUNCTIONAL SUPERVISOR — CHRISTOPHER LILLIE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

TRAFFIC DESIGN

LAST REVISION 11-01-10 | DATE PLOTTED => 11/5/2010 | TIME PLOTTED => 11:09:17 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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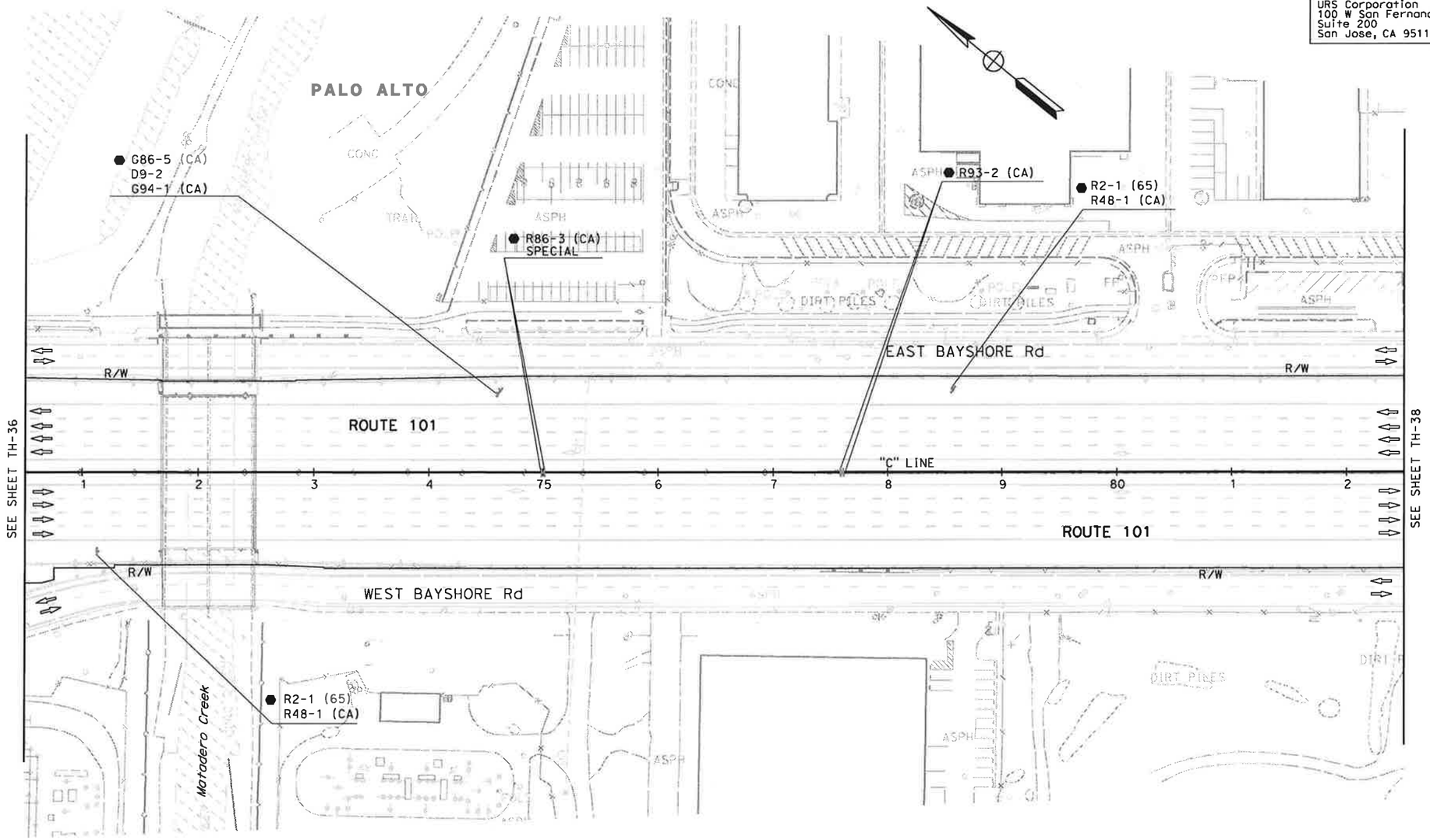

FOR NOTES AND LEGEND,
SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 3)

SCALE: 1" = 50'

TH-37

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE
CALCULATED-DESIGNED BY: NAYAN AMIN
CHECKED BY: RUTA JARIWALA
REVISED BY: N.A.
DATE REVISED: 11/01/10

LAST REVISION DATE PLOTTED => 11/5/2010
TIME PLOTTED => 1:09:19 PM
11-01-10

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCl	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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NOTE:

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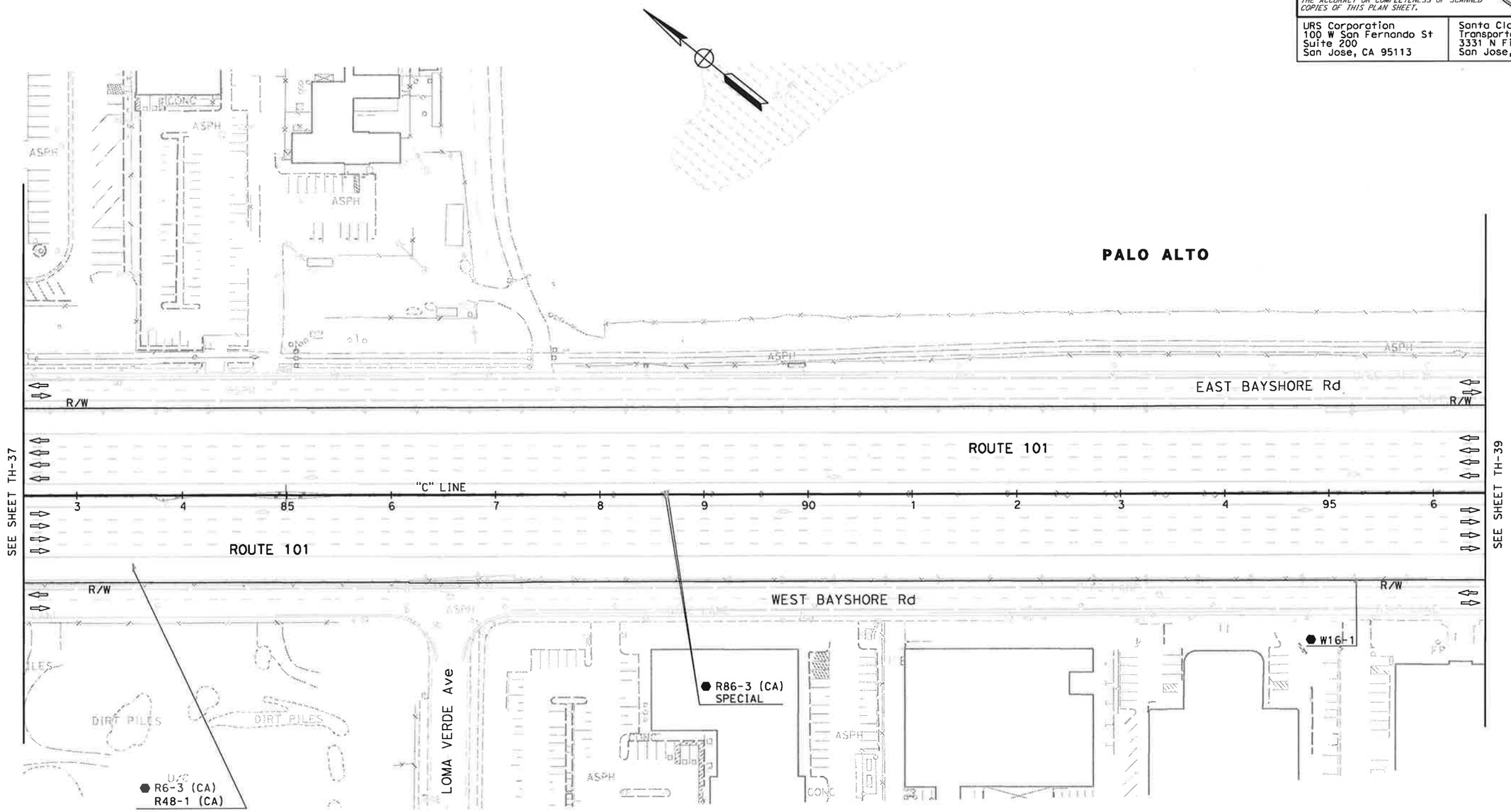

FOR NOTES AND LEGEND,
SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 3)

SCALE: 1" = 50'

TH-38

N.A.	11/01/10
REVISED BY	DATE REVISED
NAYAN AMIN	
RUTA JARIWALA	
CALCULATED-DESIGNED BY	
CHECKED BY	
CONSULTANT FUNCTIONAL SUPERVISOR	
CHRISTOPHER LILLIE	

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

TRAFFIC DESIGN

LAST REVISION 11-01-10

DATE PLOTTED => 11/5/2010
TIME PLOTTED => 1:09:20 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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NOTE:

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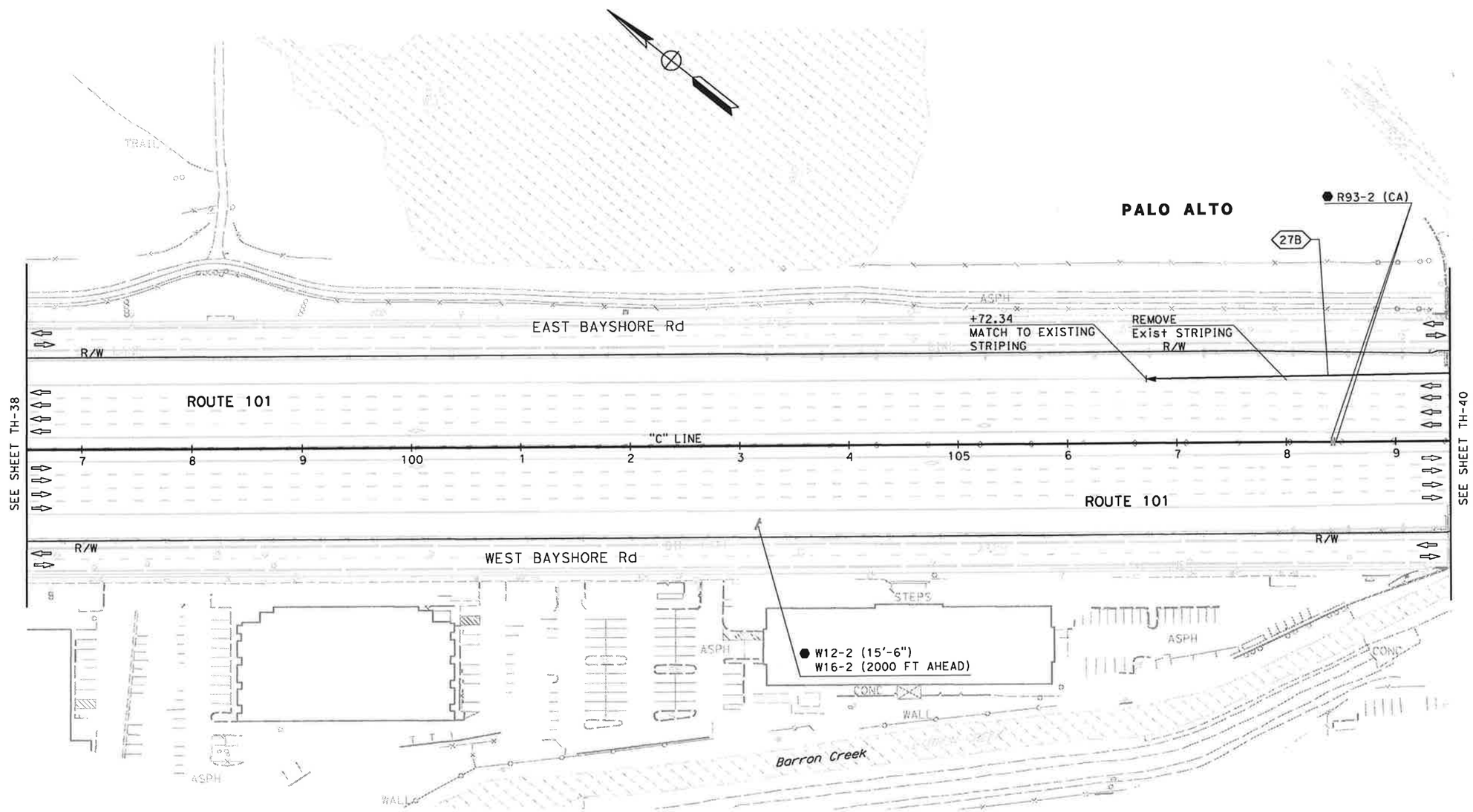

FOR NOTES AND LEGEND, SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 3)

SCALE: 1" = 50'

TH-39

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISED BY	DATE REVISED
Caltrans TRAFFIC DESIGN	CHRISTOPHER LILLIE	NAYAN AMIN	N.A.	11/01/10
		CHECKED BY RUTA JARIWALA		

LAST REVISION 11-01-10 DATE PLOTTED => 11/5/2010 TIME PLOTTED => 1:09:27 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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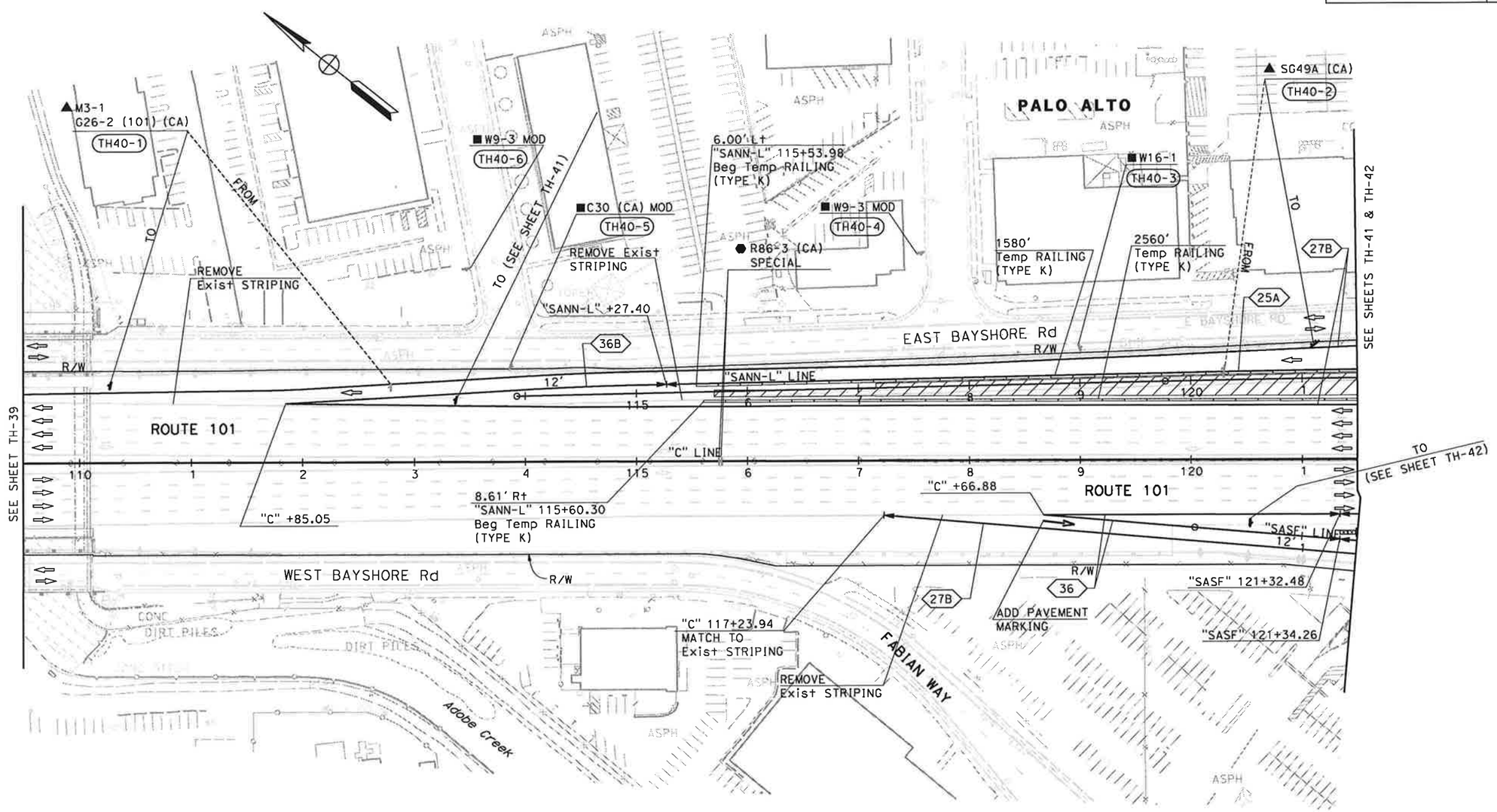

FOR NOTES AND LEGEND,
SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 3)

SCALE: 1" = 50'

TH-40

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE
CALCULATED-DESIGNED BY: NAYAN AMIN
CHECKED BY: RUTA JARIWALA
REVISED BY: N.A.
DATE REVISED: 11/01/10

LAST REVISION 11-01-10
DATE PLOTTED => 11/5/2010
TIME PLOTTED => 1:09:29 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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Santa Clara Valley
Transportation Authority
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NOTE:

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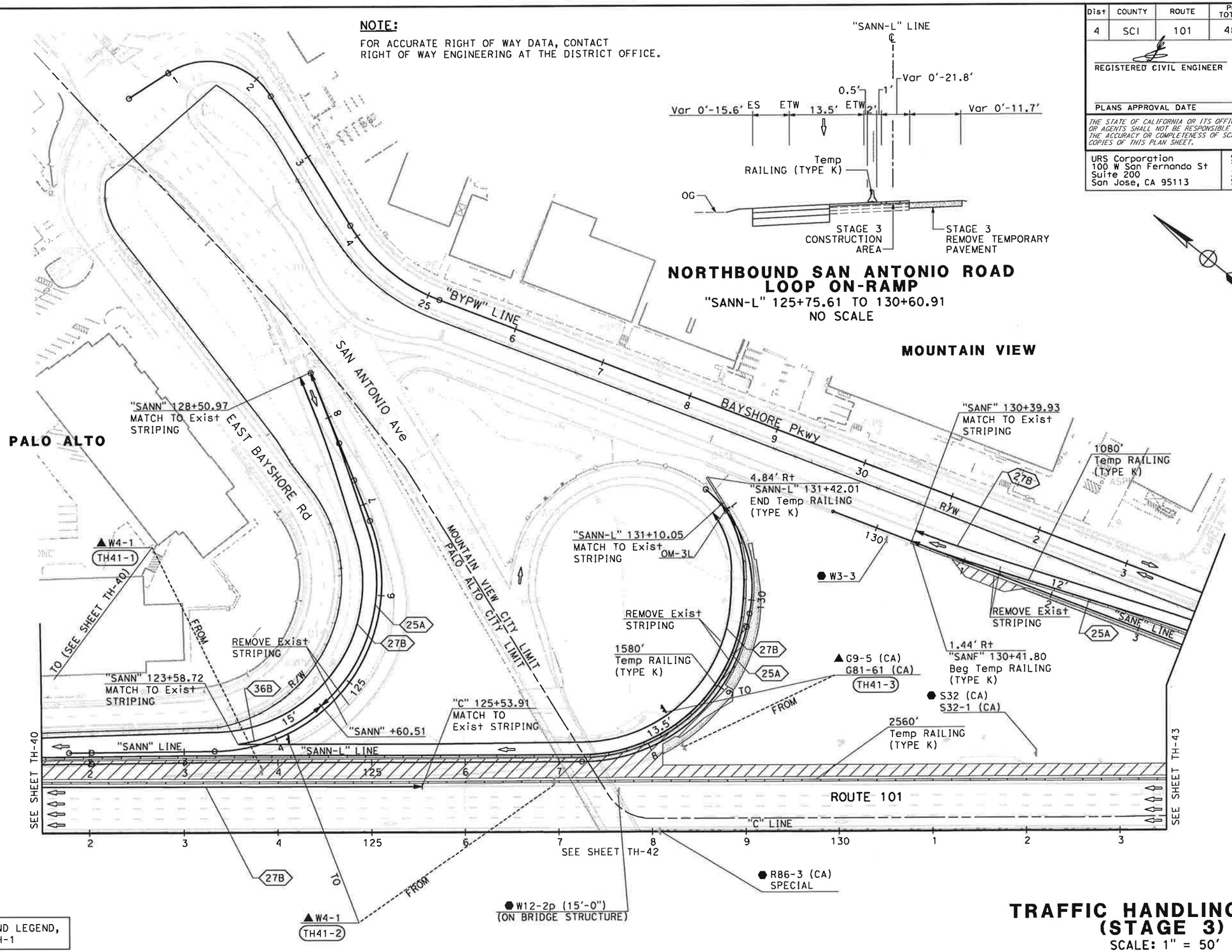

NORTHBOUND SAN ANTONIO ROAD LOOP ON-RAMP

"SANN-L" 125+75.61 TO 130+60.91
NO SCALE

FOR NOTES AND LEGEND, SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 3)

SCALE: 1" = 50'

TH-41

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE
CALCULATED-DESIGNED BY: NAYAN AMIN
CHECKED BY: RUTA JARIWALA
REVISED BY: N.A.
DATE REVISED: 11/01/10

LAST REVISION 11-01-10
DATE PLOTTED => 11/5/2010
TIME PLOTTED => 1:09:31 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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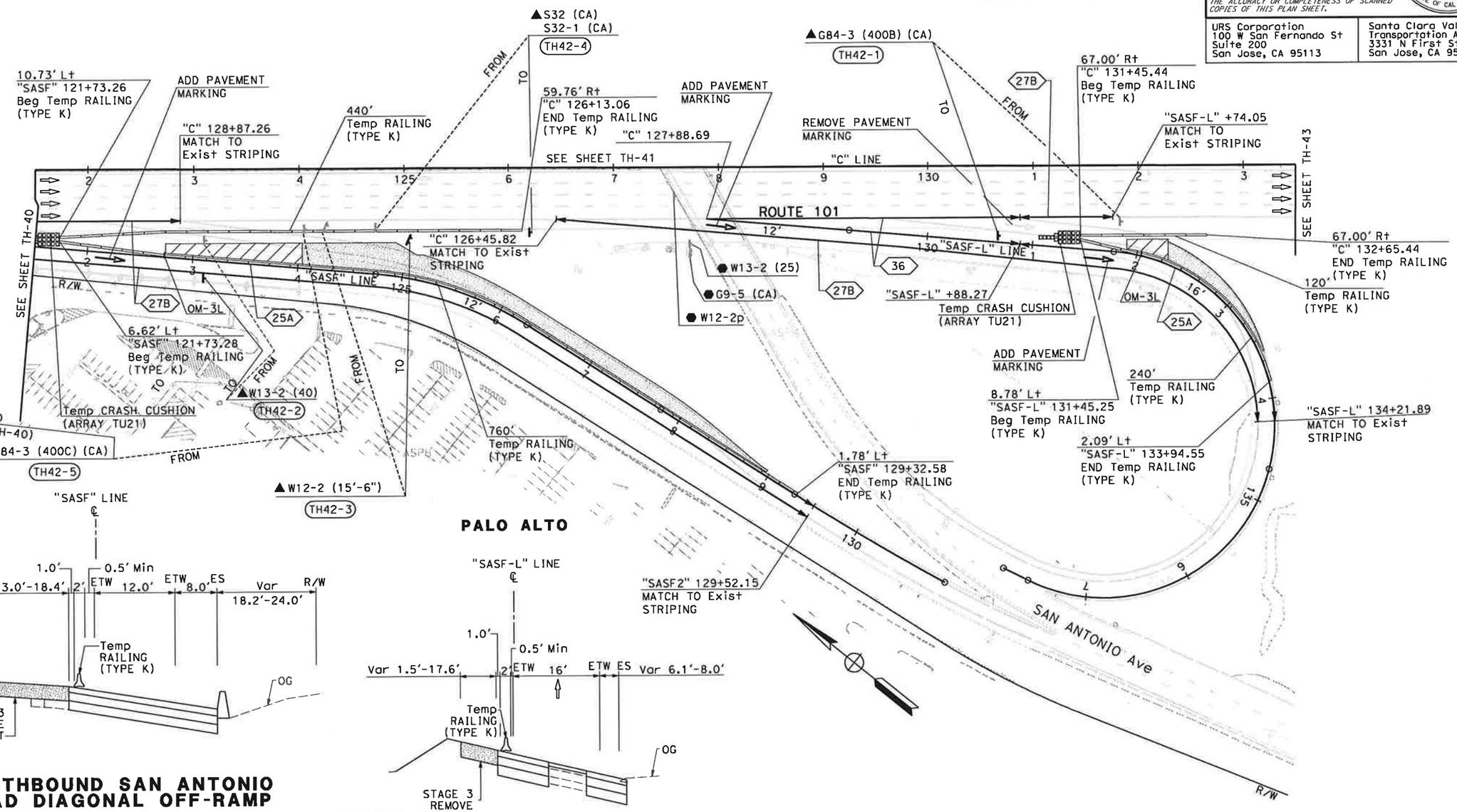

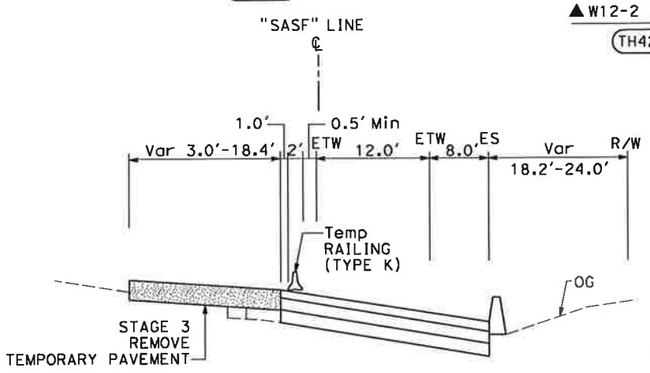

SOUTHBOUND SAN ANTONIO ROAD DIAGONAL OFF-RAMP

"SASF" 122+73.87 TO 128+93.00

NO SCALE

SOUTHBOUND SAN ANTONIO ROAD LOOP OFF-RAMP

"SASF-L" 132+23.60 TO 133+55.01

NO SCALE

FOR NOTES AND LEGEND, SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 3)

SCALE: 1" = 50'

TH-42

N.A.	11/01/10
REVISED BY	DATE REVISED
NAYAN AMIN	RUTA JARIWALA
CALCULATED-DESIGNED BY	CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR	CHRISTOPHER LILLIE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans TRAFFIC DESIGN

LAST REVISION 11-01-10 | DATE PLOTTED => 11/5/2010 TIME PLOTTED => 1:09:33 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCl	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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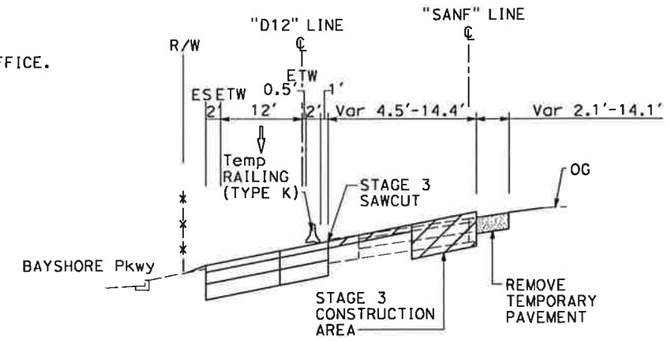
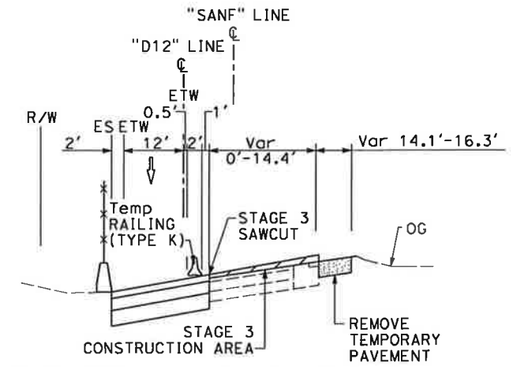
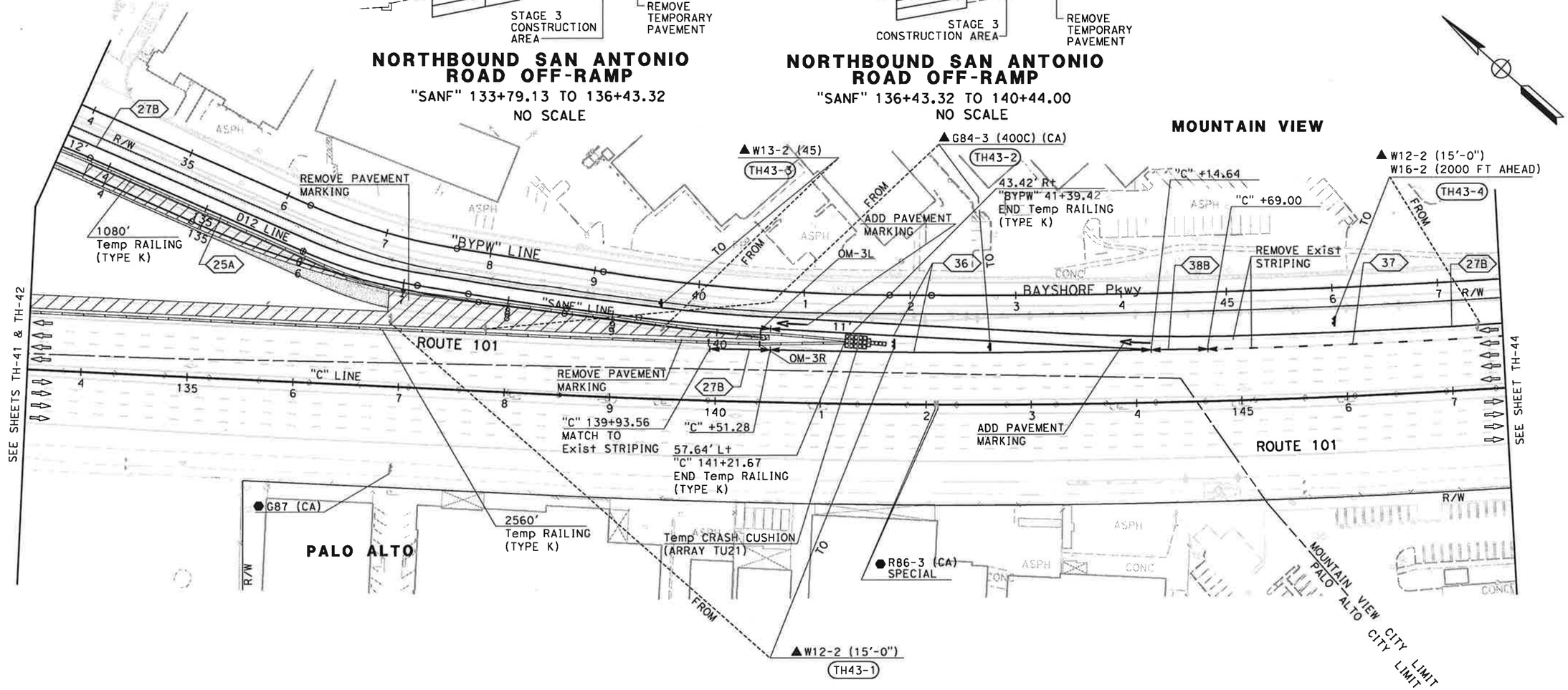


NORTHBOUND SAN ANTONIO ROAD OFF-RAMP
"SANF" 133+79.13 TO 136+43.32
NO SCALE



NORTHBOUND SAN ANTONIO ROAD OFF-RAMP
"SANF" 136+43.32 TO 140+44.00
NO SCALE



FOR NOTES AND LEGEND, SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 3)

SCALE: 1" = 50'

TH-43

N.A.	11/01/10
REVISED BY	DATE REVISED
NAYAN AMIN	RUTA JARIWALA
CALCULATED-DESIGNED BY	CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR	CHRISTOPHER LILLIE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

LAST REVISION 11-01-10 | DATE PLOTTED => 11/5/2010 | TIME PLOTTED => 11:09:36 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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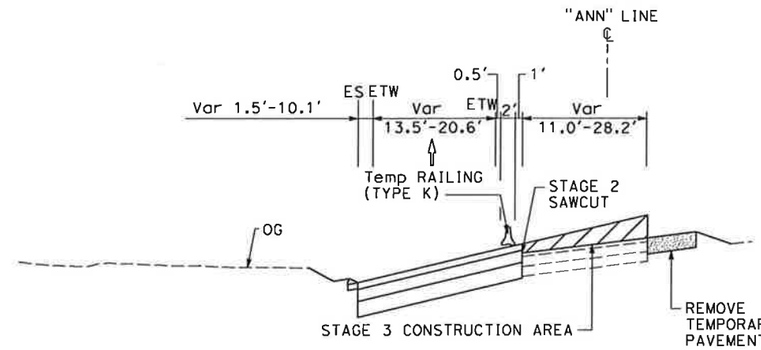
NOTE:

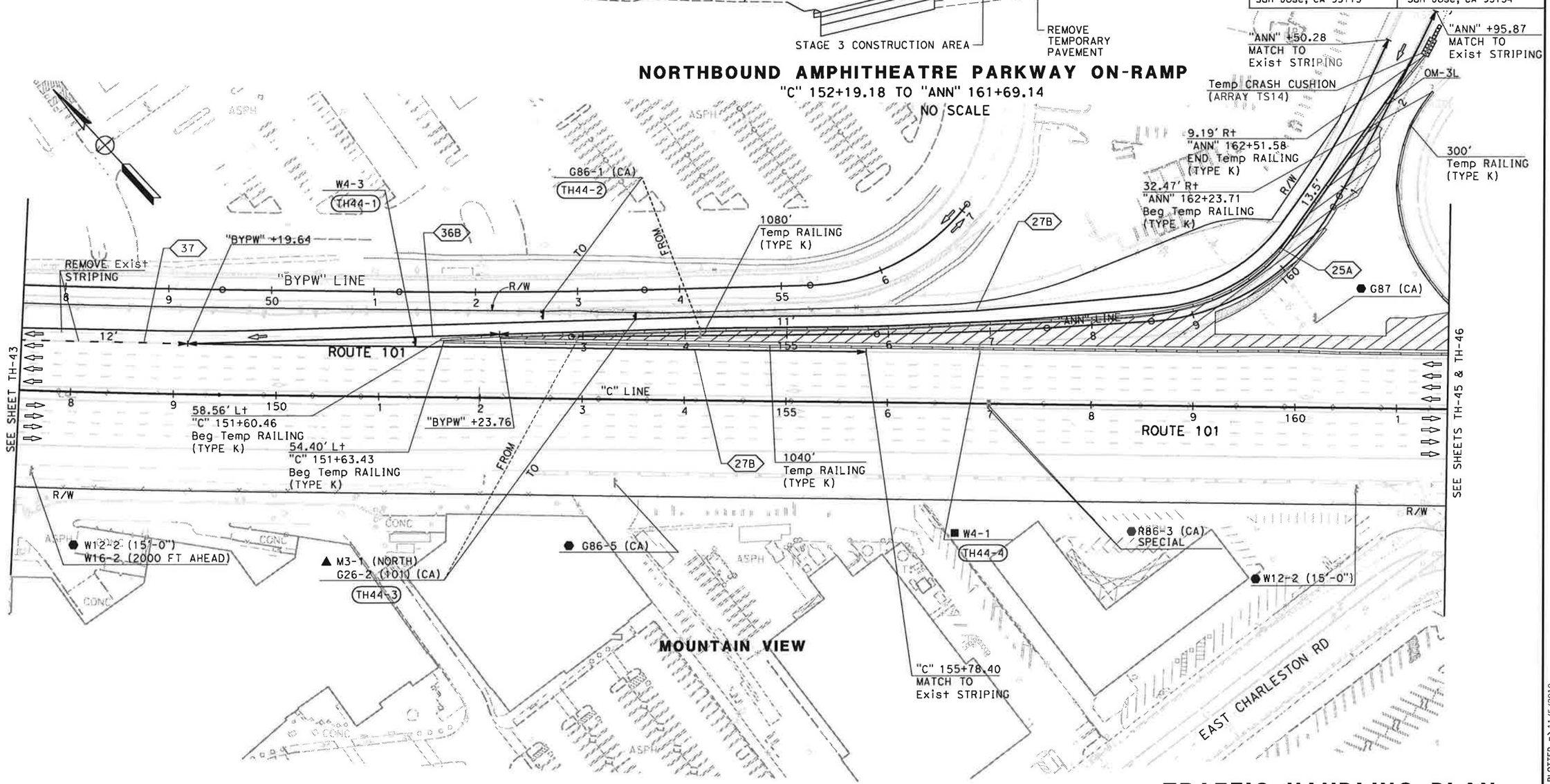
FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



NORTHBOUND AMPHITHEATRE PARKWAY ON-RAMP

"C" 152+19.18 TO "ANN" 161+69.14

NO SCALE



FOR NOTES AND LEGEND, SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 3)

SCALE: 1" = 50'

TH-44

N.A.	11/01/10
REVISED BY	DATE REVISED
NAYAN AMIN	RUTA JARIWALA
CALCULATED-DESIGNED BY	CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR	CHRISTOPHER LILLIE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

TRAFFIC DESIGN

LAST REVISION 11-01-10 | DATE PLOTTED => 11/5/2010 | TIME PLOTTED => 11:09:39 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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NOTE:

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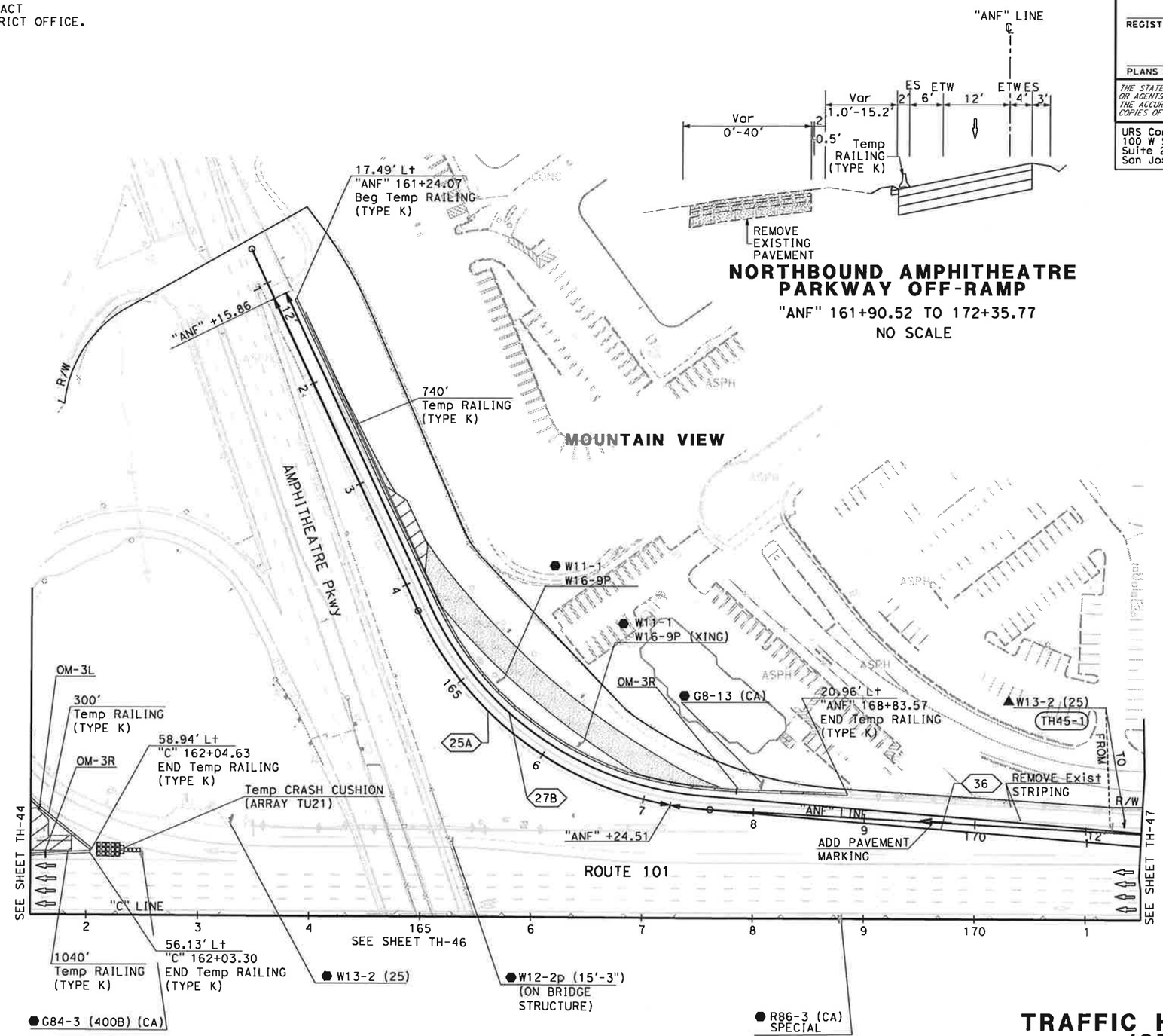

FOR NOTES AND LEGEND, SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 3)

SCALE: 1" = 50'

TH-45

CALCULATED-DESIGNED BY	NAYAN AMIN	REVISED BY	N.A.
CHECKED BY	RUTA JARIWALA	DATE REVISED	11/01/10

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

TRAFFIC DESIGN

DATE PLOTTED => 11/5/2010
TIME PLOTTED => 11:09:40 PM

LAST REVISION 11-01-10

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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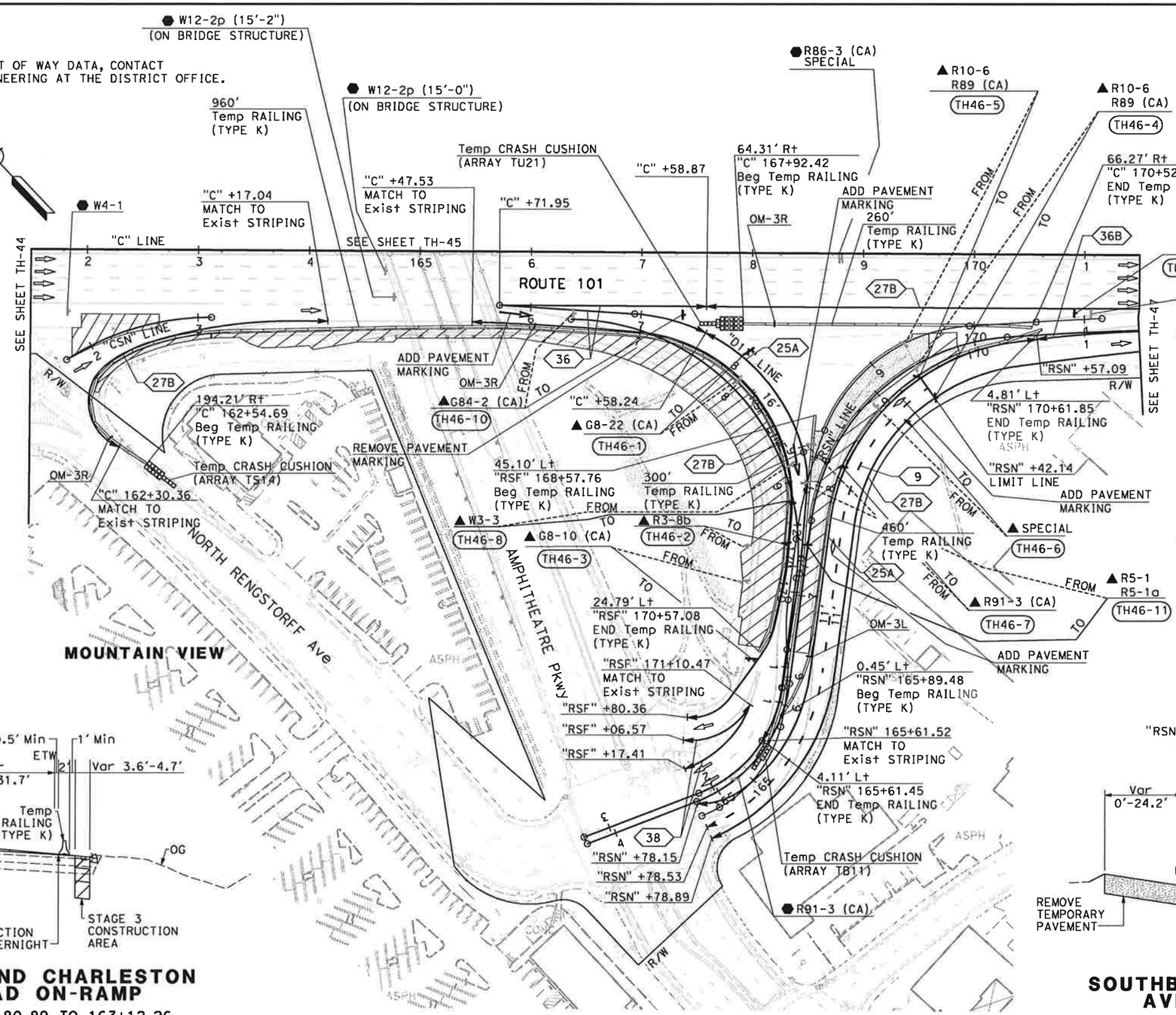
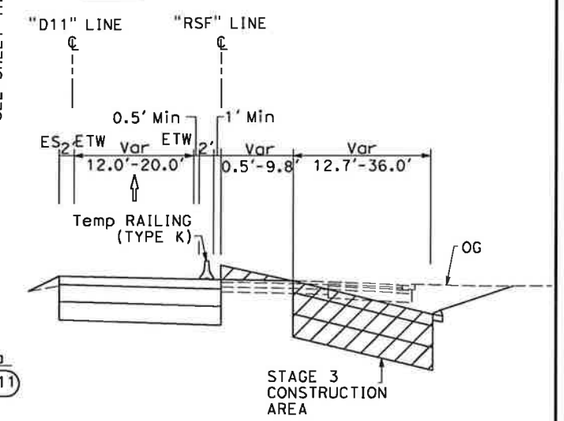
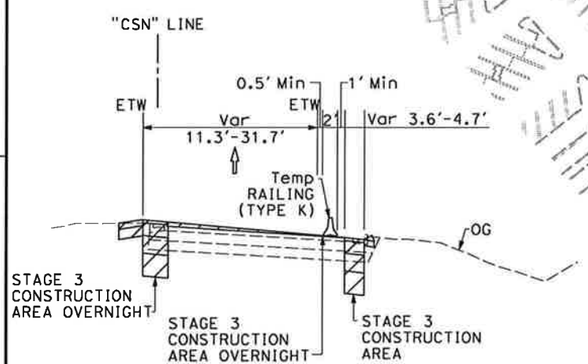




SOUTHBOUND RENGSTORFF AVENUE OFF-RAMP

"RSF" 166+36.44 TO 170+53.04

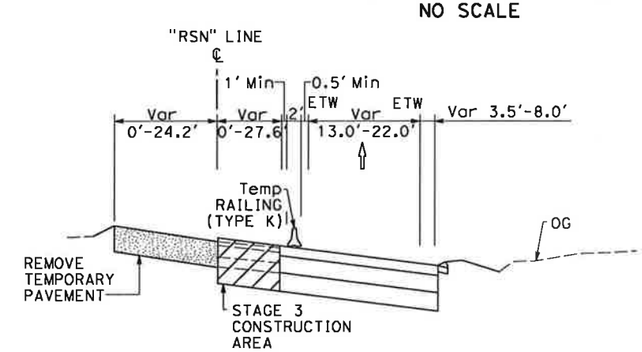
NO SCALE



SOUTHBOUND CHARLESTON ROAD ON-RAMP

"CSN" 161+80.89 TO 163+12.26

NO SCALE



SOUTHBOUND RENGSTORFF AVENUE ON-RAMP

"RSN" 166+49.22 TO 169+85.00

NO SCALE

FOR NOTES AND LEGEND, SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 3)

SCALE: 1" = 50'

TH-46

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE

CALCULATED-DESIGNED BY: NAYAN AMIN

CHECKED BY: RUTA JARIWALA

REVISED BY: N.A.

DATE REVISED: 11/01/10

LAST REVISION: DATE PLOTTED => 11/5/2010 TIME PLOTTED => 11:09:43 PM

11-01-10

BORDER LAST REVISED 7/2/2010

USERNAME => rutvij_patel
DGN FILE => ...\44a331ma046.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0712

PROJECT NUMBER & PHASE 0400011261

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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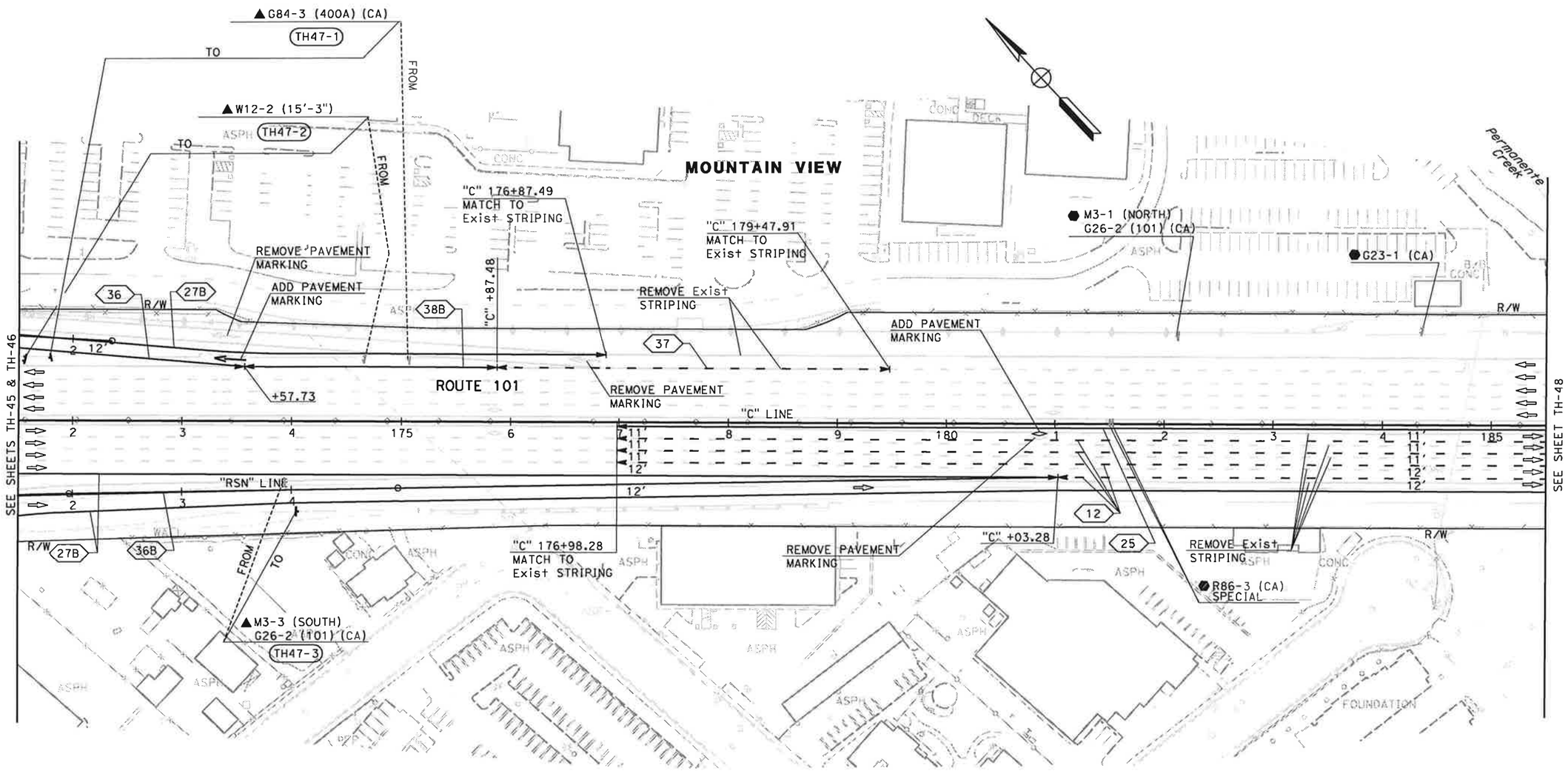

FOR NOTES AND LEGEND,
SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 3)

SCALE: 1" = 50'

TH-47

N.A.	11/01/10
NAYAN AMIN	RUTA JARIWALA
CALCULATED-DESIGNED BY	CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR	CHRISTOPHER LILLIE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

REVISED BY | DATE REVISED

LAST REVISION 11-01-10 | DATE PLOTTED => 11/5/2010 | TIME PLOTTED => 1:09:45 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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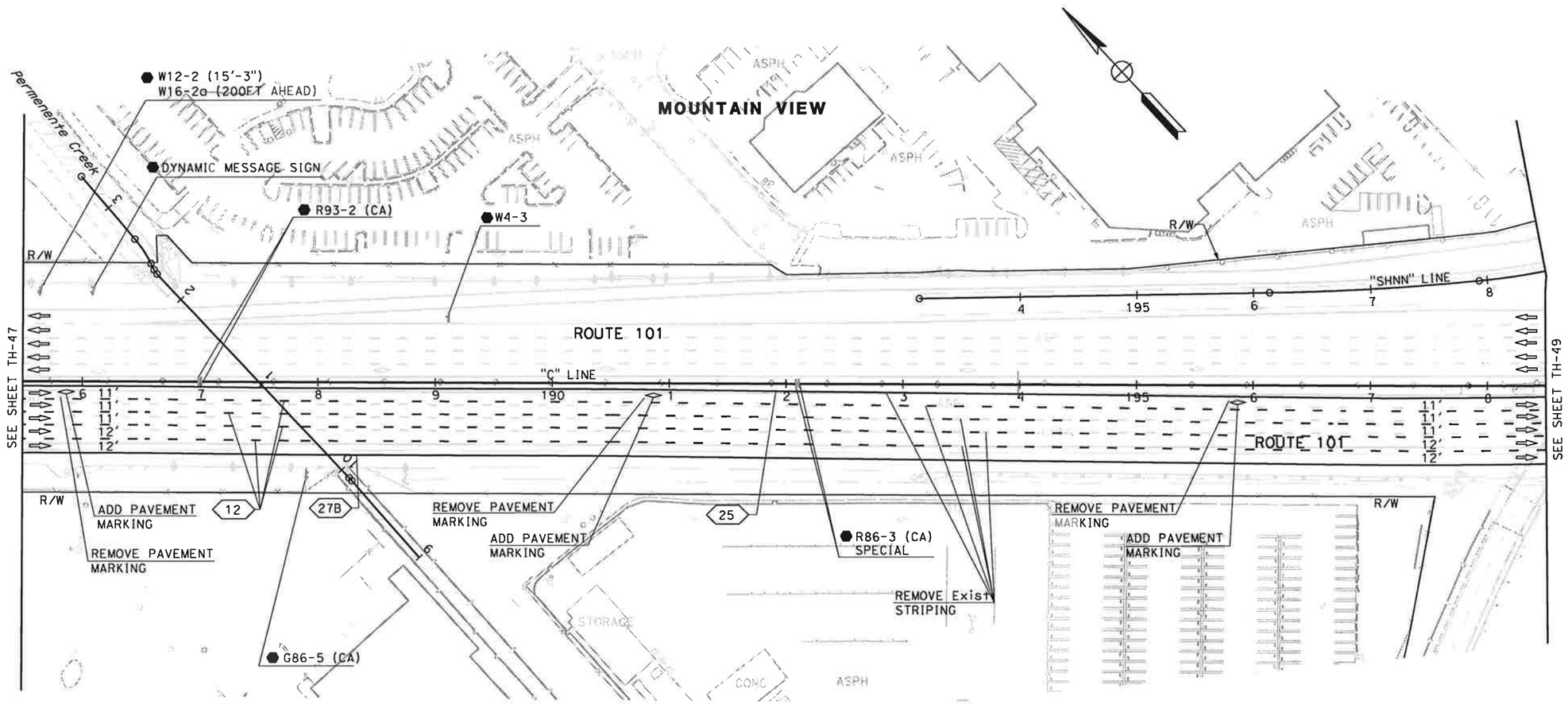

FOR NOTES AND LEGEND, SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 3)

SCALE: 1" = 50'

TH-48

N.A.	11/01/10
REVISED BY	DATE REVISED
NAYAN AMIN	RUTA JARIWALA
CALCULATED-DESIGNED BY	CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR	CHRISTOPHER LILLIE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

TRAFFIC DESIGN

LAST REVISION 11-01-10 | DATE PLOTTED => 11/5/2010 TIME PLOTTED => 1:09:47 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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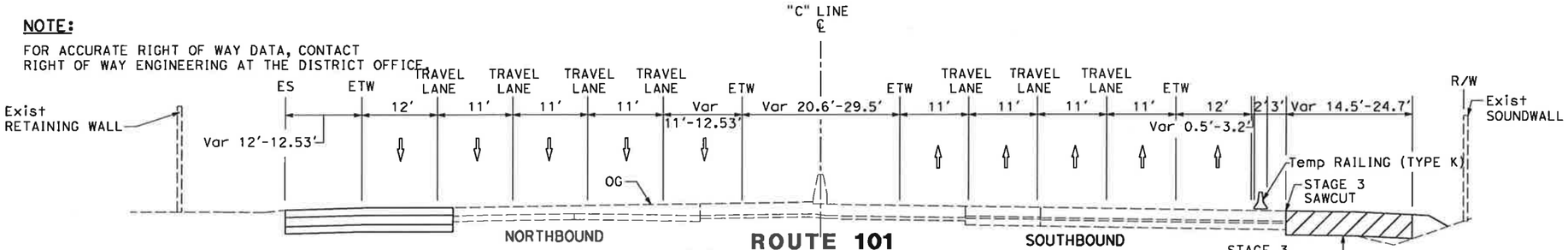
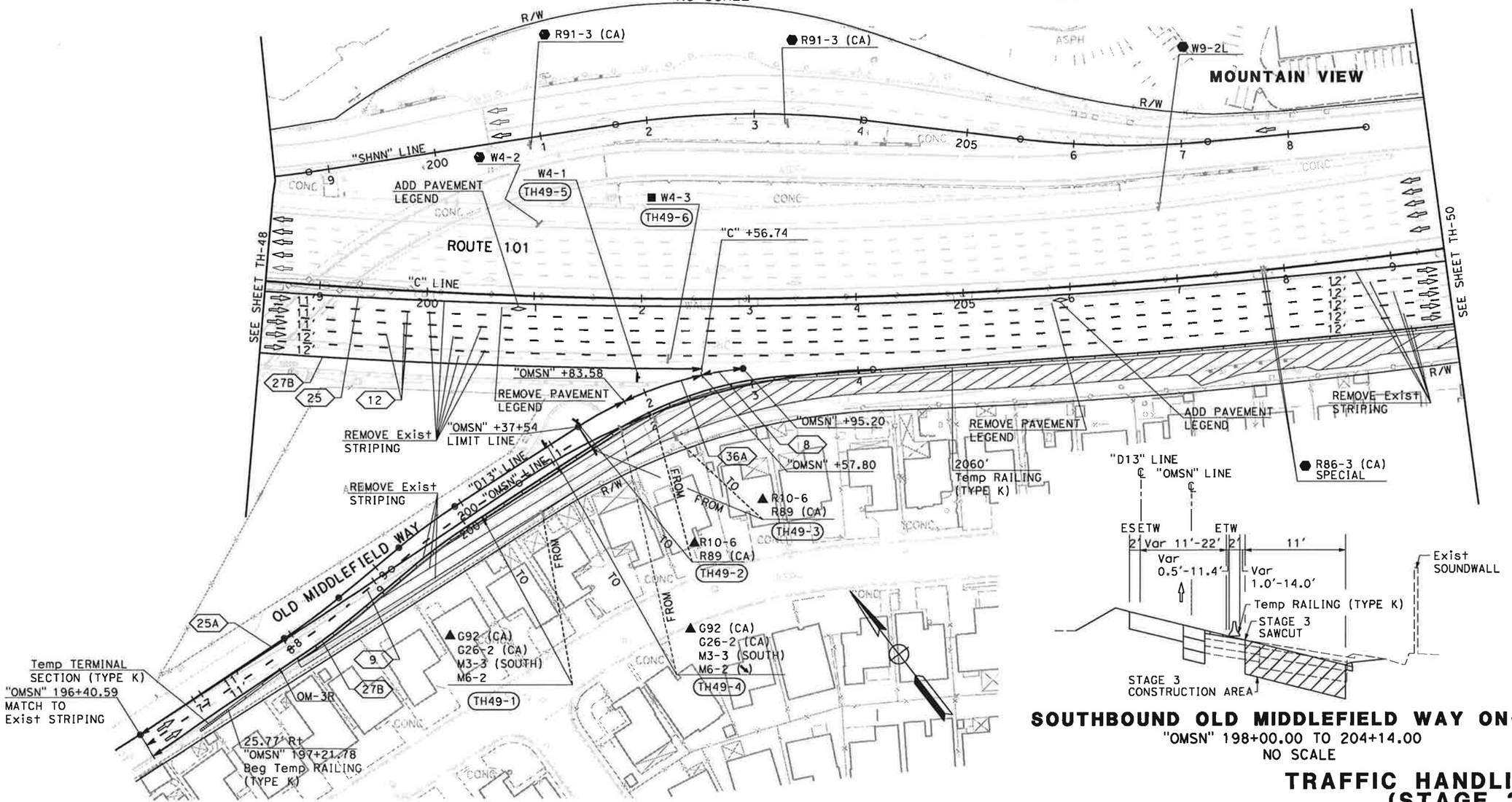


ROUTE 101
"C" 204+14.00 TO 211+50.89
NO SCALE



SOUTHBOUND OLD MIDDLEFIELD WAY ON-RAMP
"OMSN" 198+00.00 TO 204+14.00
NO SCALE

TRAFFIC HANDLING PLAN (STAGE 3)

SCALE: 1" = 50'

FOR NOTES AND LEGEND, SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TH-49

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE
CALCULATED-DESIGNED BY: NAYAN AMIN
CHECKED BY: RUTA JARIWALA
REVISED BY: N.A.
DATE REVISED: 11/01/10

LAST REVISION 11-01-10
DATE PLOTTED => 11/5/2010
TIME PLOTTED => 1:09:49 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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NOTE:

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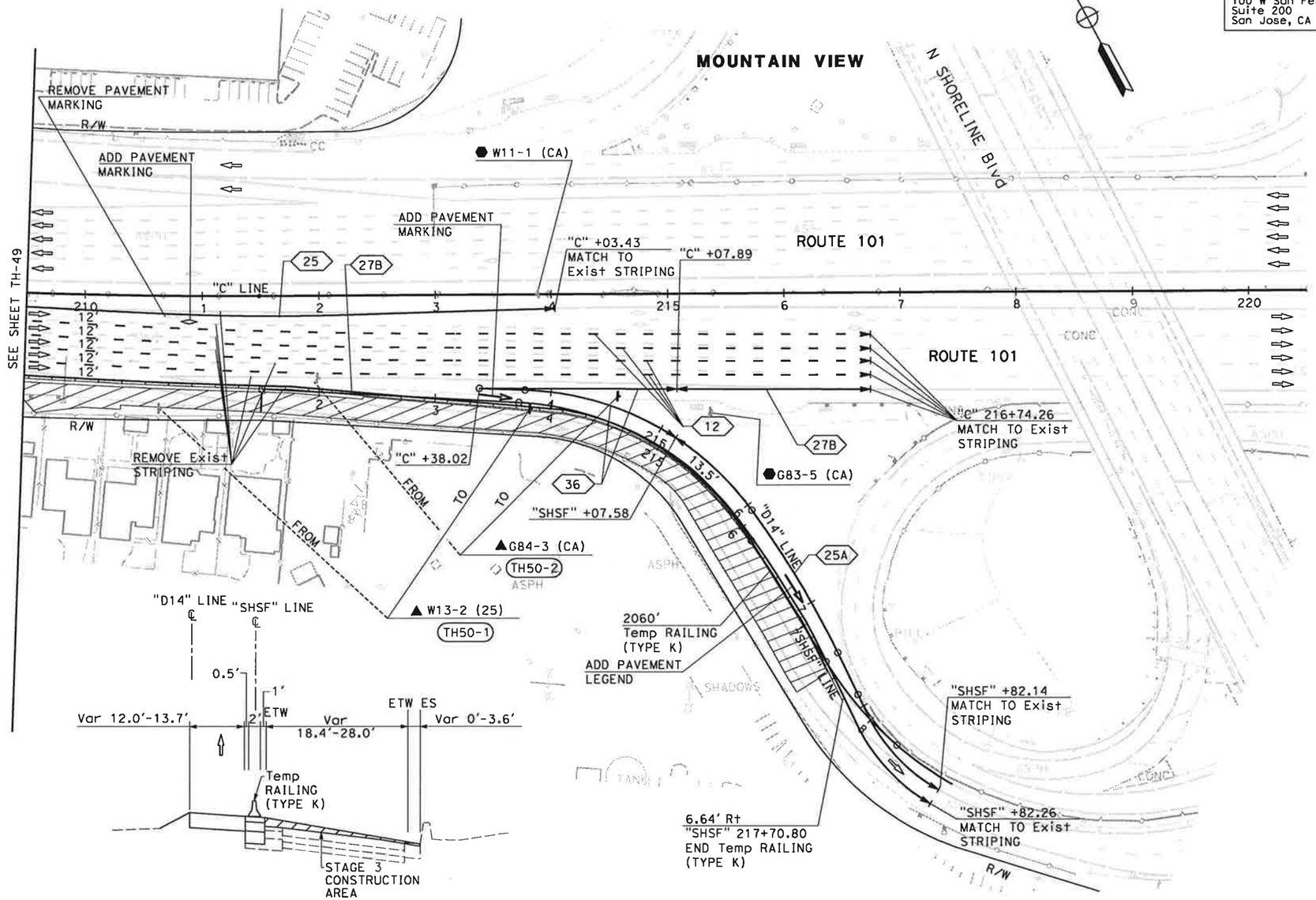

SOUTHBOUND SHORELINE BLVD OFF-RAMP

"SHSF" 211+50.89 TO 217+45.55

NO SCALE

FOR NOTES AND LEGEND, SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 3)

SCALE: 1" = 50'

TH-50

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE

CALCULATED-DESIGNED BY: NAYAN AMIN

CHECKED BY: RUTA JARIWALA

REVISED BY: N.A.

DATE REVISED: 11/01/10

LAST REVISION 11-01-10

DATE PLOTTED => 11/5/2010

TIME PLOTTED => 1:09:51 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCl	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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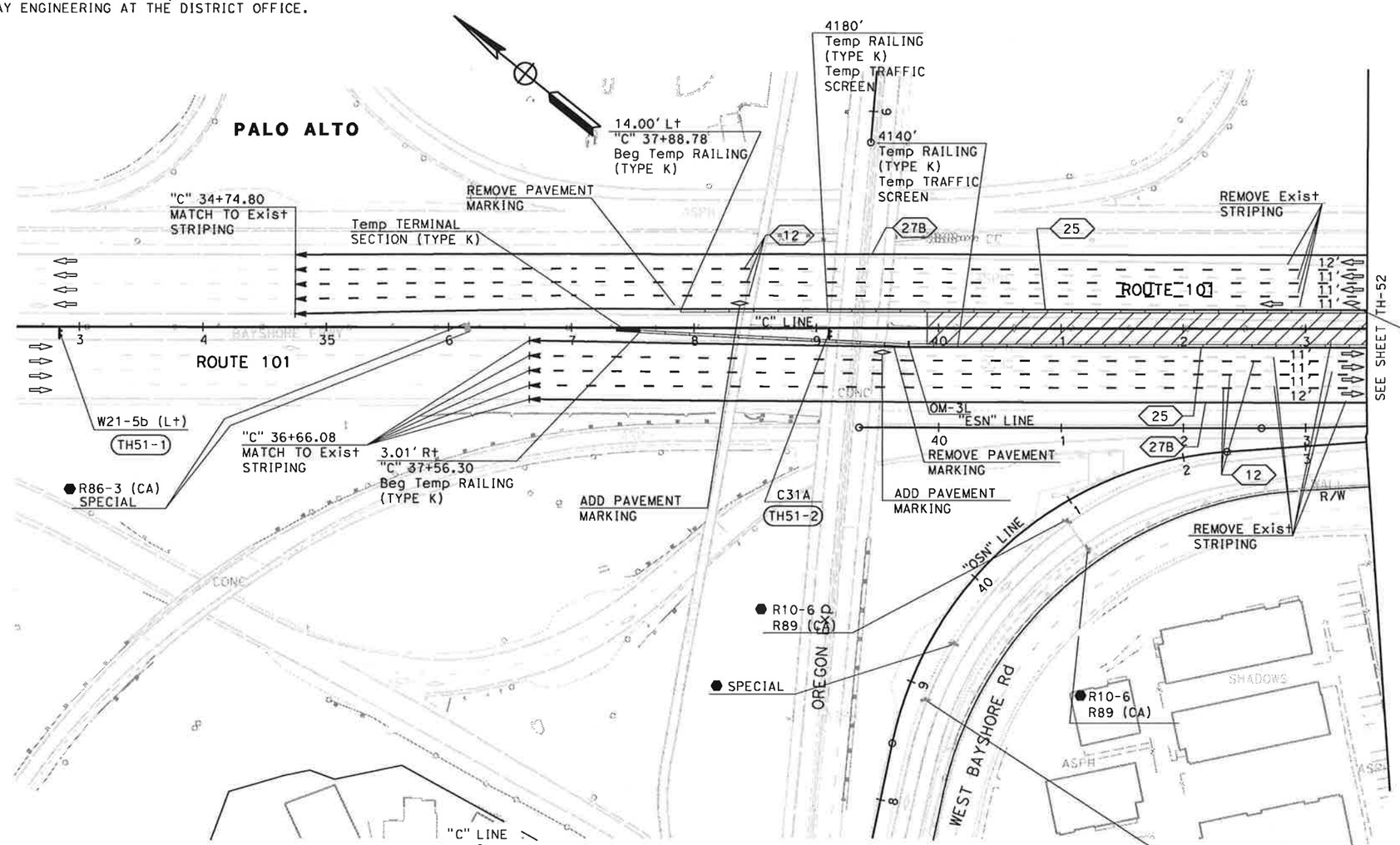

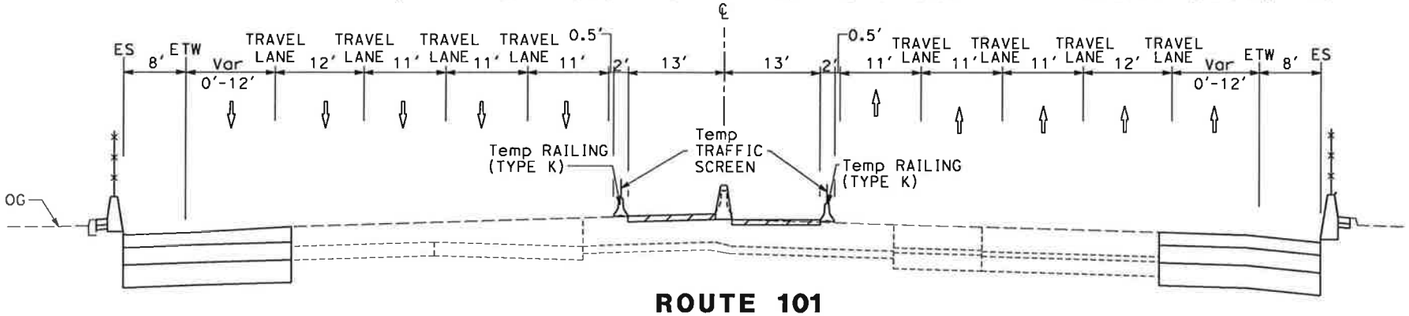

ROUTE 101

"C" 39+90.00 TO 215+00.00

NO SCALE

FOR NOTES AND LEGEND, SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 4)

SCALE: 1" = 50'

TH-51

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE

CALCULATED-DESIGNED BY: NAYAN AMIN

CHECKED BY: RUTA JARIWALA

REVISED BY: N.A.

DATE REVISED: 11/01/10

LAST REVISION 11-01-10

DATE PLOTTED => 11/5/2010

TIME PLOTTED => 1:09:54 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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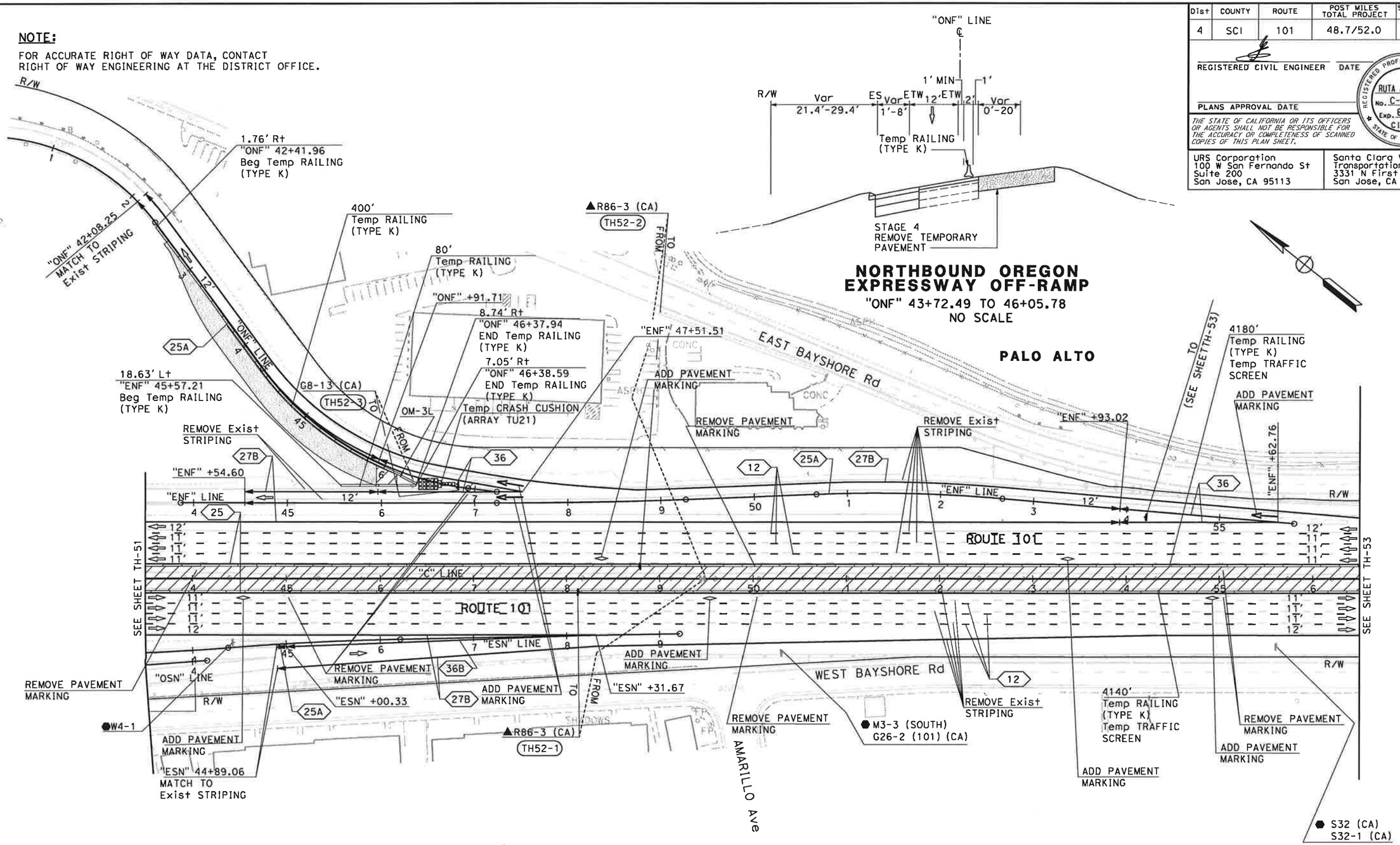

FOR NOTES AND LEGEND, SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 4)

SCALE: 1" = 50'

TH-52

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE

CALCULATED-DESIGNED BY: NAYAN AMIN | CHECKED BY: RUTA JARIWALA

REVISED BY: N.A. | DATE REVISED: 11/01/10

LAST REVISION 11-01-10 | DATE PLOTTED => 11/5/2010 | TIME PLOTTED => 1:09:56 PM

BORDER LAST REVISED 7/2/2010 | USERNAME => rutvij_patel | DGN FILE => ...\44a331ma052.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0712 | PROJECT NUMBER & PHASE 0400011261

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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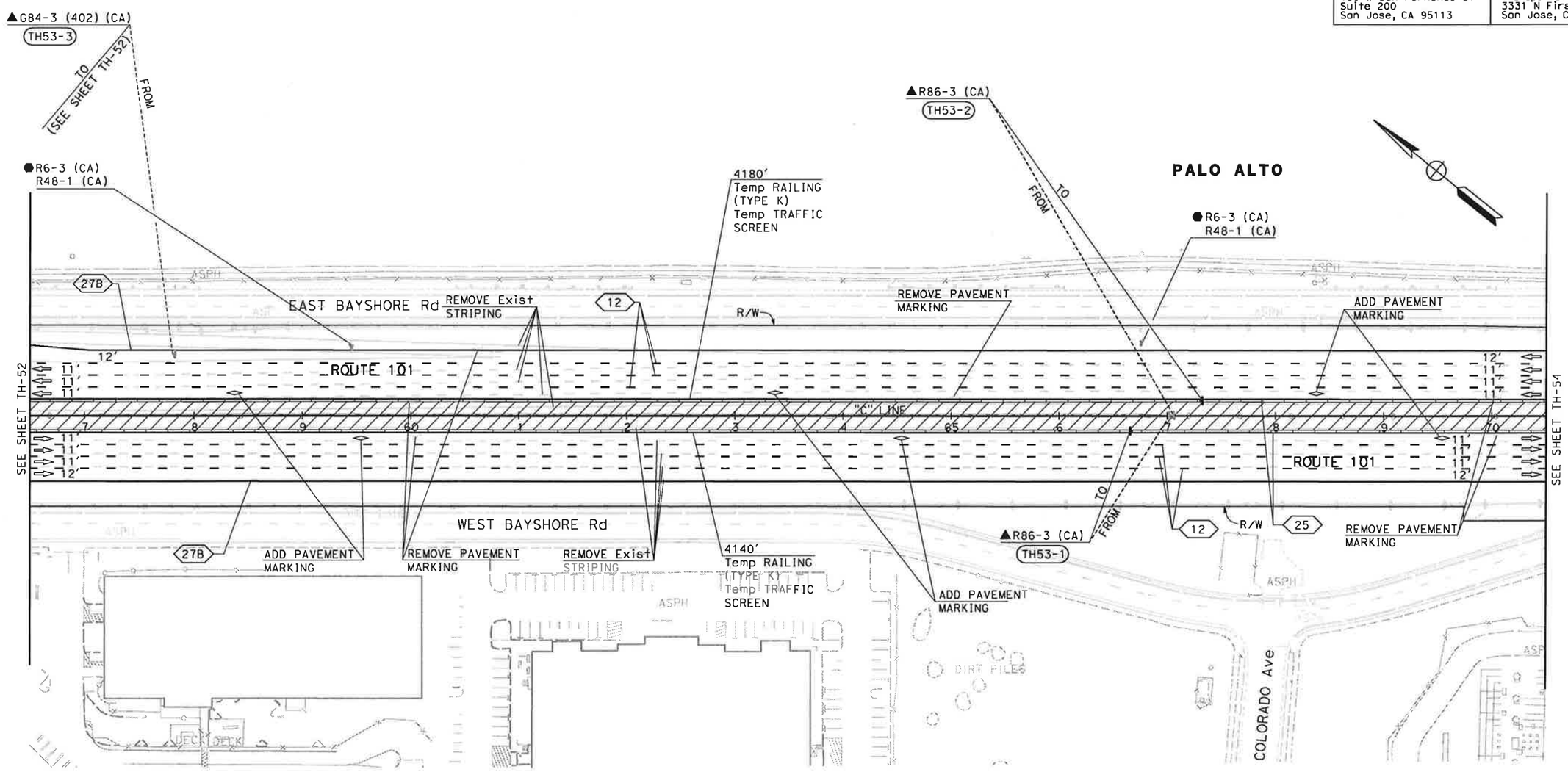

FOR NOTES AND LEGEND,
SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 4)

SCALE: 1" = 50'

TH-53

REVISED BY	DATE REVISED
N.A.	11/01/10

NAYAN AMIN — RUTA JARIWALA

CALCULATED-DESIGNED BY — CHECKED BY

CONSULTANT FUNCTIONAL SUPERVISOR — CHRISTOPHER LILLIE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans® TRAFFIC DESIGN

LAST REVISION 11-01-10 | DATE PLOTTED => 11/5/2010 TIME PLOTTED => 1:09:58 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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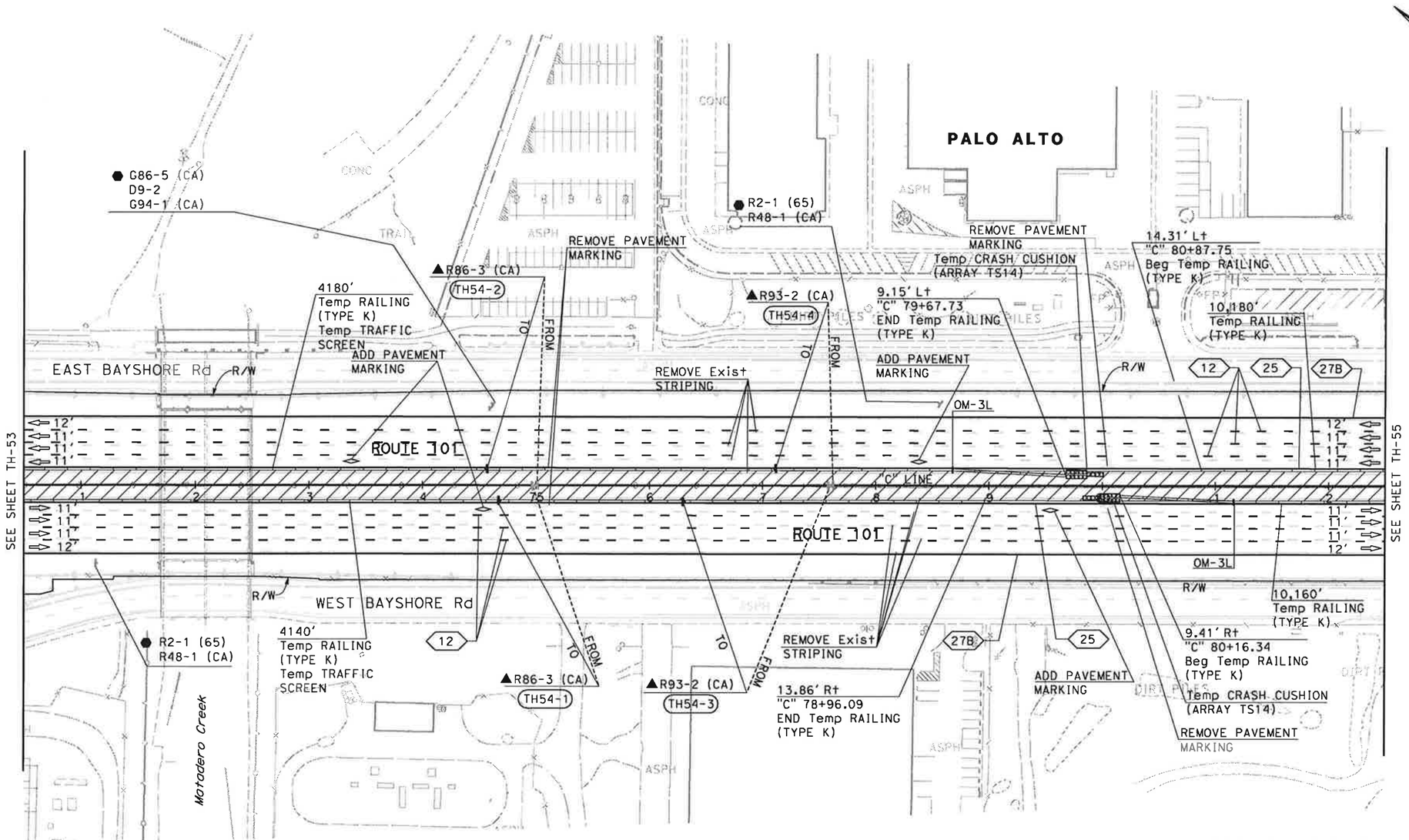

FOR NOTES AND LEGEND, SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 4)

SCALE: 1" = 50'

TH-54

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE

CALCULATED-DESIGNED BY: NAYAN AMIN

CHECKED BY: RUTA JARIWALA

REVISED BY: N.A.

DATE REVISED: 11/01/10

LAST REVISION 11-01-10

DATE PLOTTED => 11/5/2010
TIME PLOTTED => 1:09:59 PM

BORDER LAST REVISED 7/2/2010

USERNAME => rutvij_patel
DGN FILE => ...\44a331ma054.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0712

PROJECT NUMBER & PHASE 0400011261

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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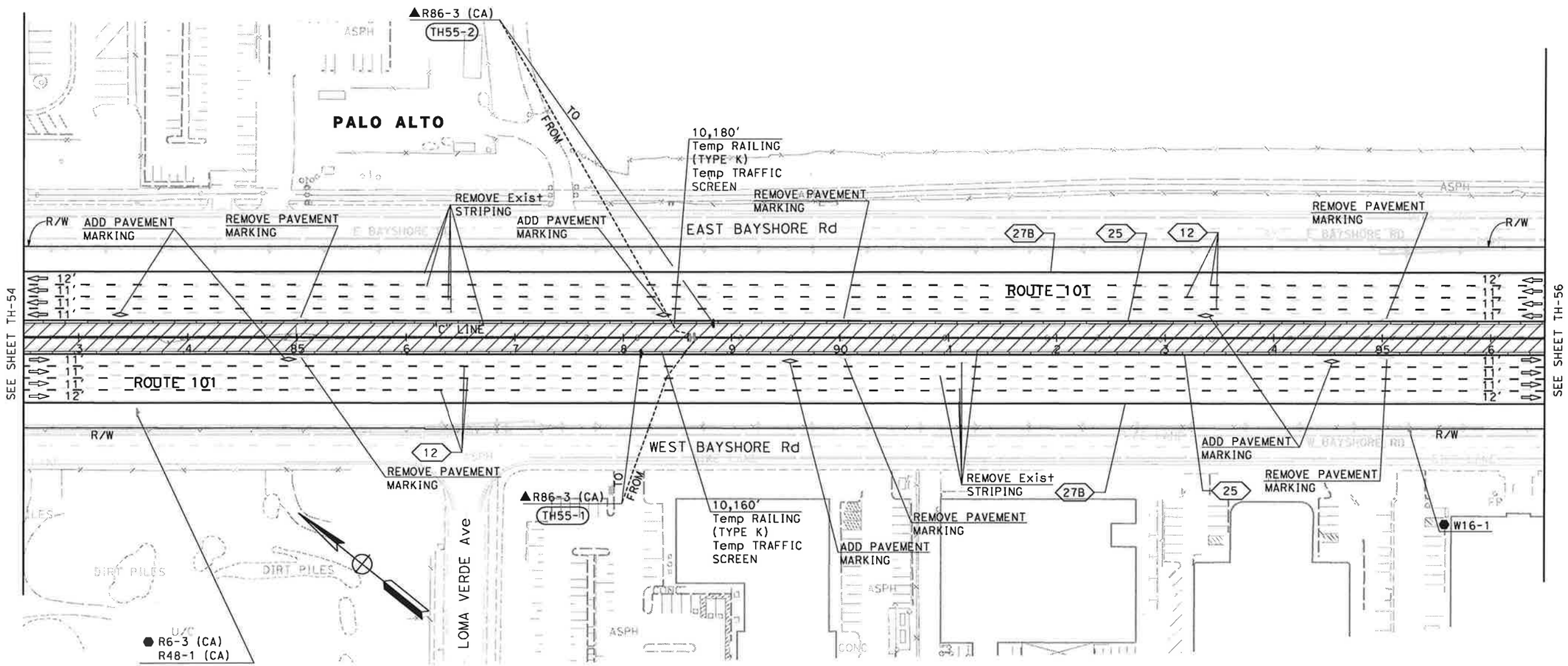
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



FOR NOTES AND LEGEND,
SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 4)

SCALE: 1" = 50'

TH-55

N.A.	11/01/10
REVISED BY	DATE REVISED
NAYAN AMIN	RUTA JARIWALA
CALCULATED-DESIGNED BY	CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR	CHRISTOPHER LILLIE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

TRAFFIC DESIGN

LAST REVISION 11-01-10 | DATE PLOTTED => 11/5/2010 | TIME PLOTTED => 1:10:01 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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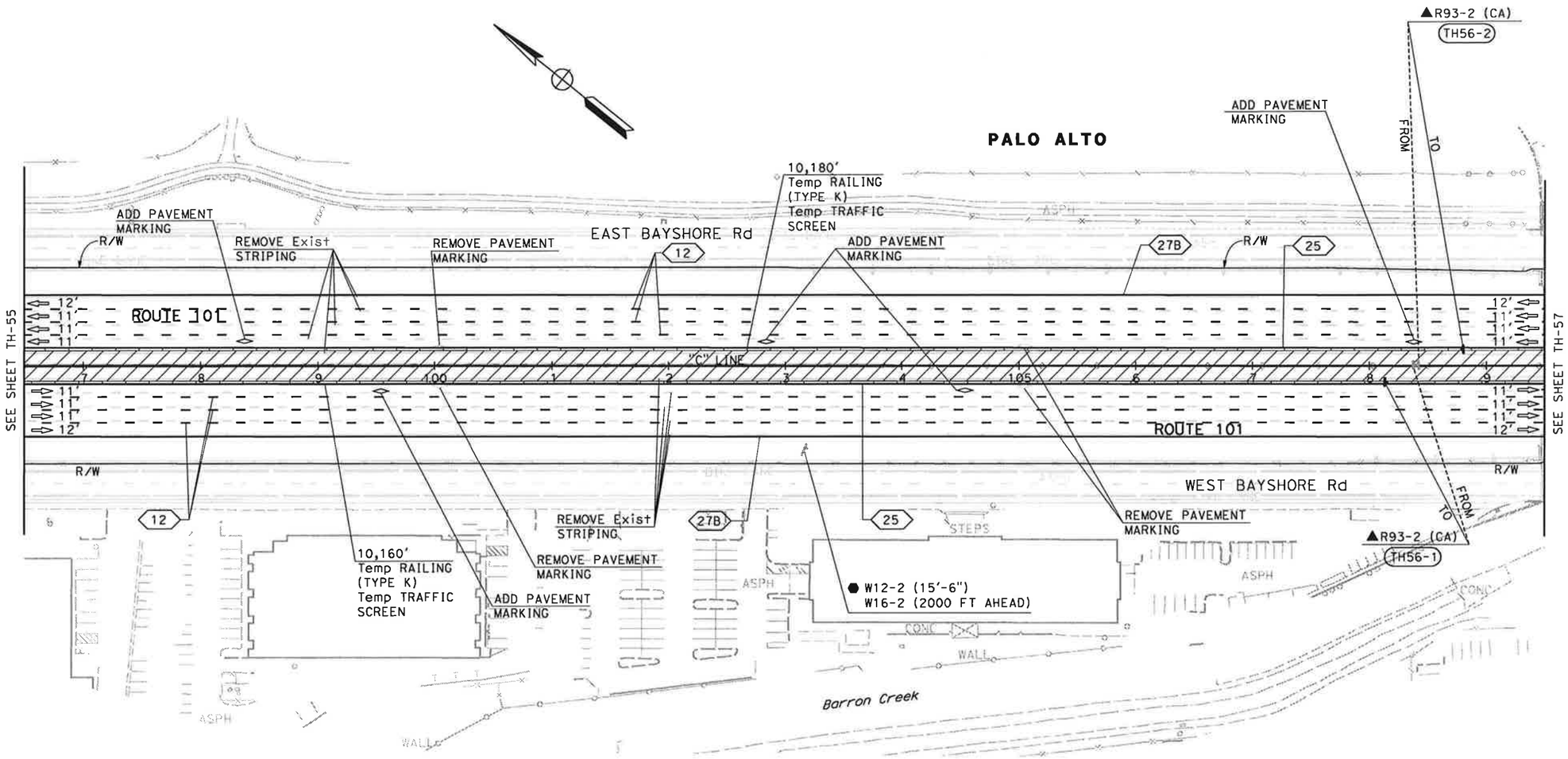
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



FOR NOTES AND LEGEND, SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 4)

SCALE: 1" = 50'

TH-56

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE
CALCULATED-DESIGNED BY: NAYAN AMIN
CHECKED BY: RUTA JARIWALA
REVISED BY: N.A.
DATE REVISED: 11/01/10

LAST REVISION 11-01-10
DATE PLOTTED => 11/5/2010
TIME PLOTTED => 1:10:03 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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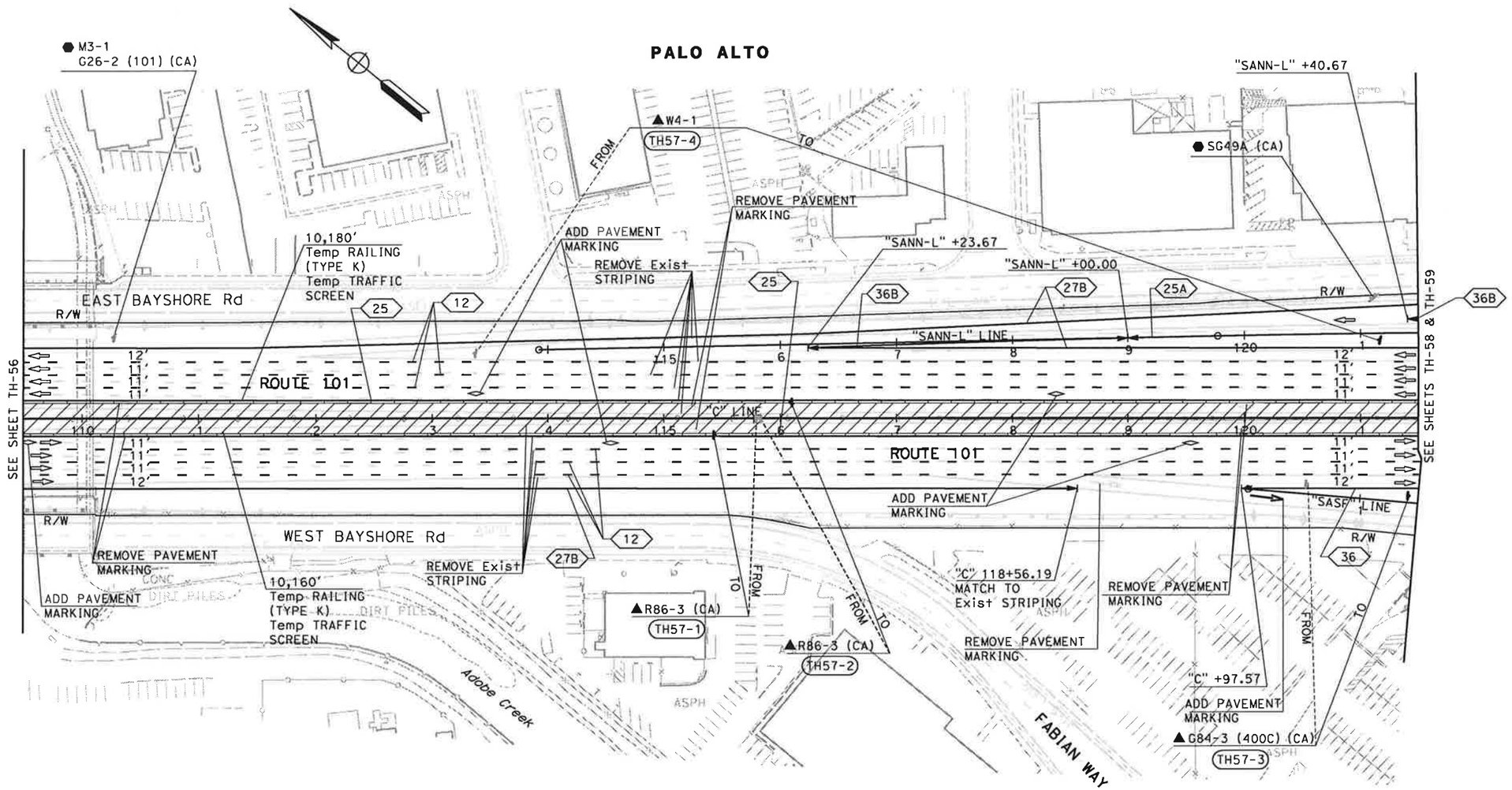

FOR NOTES AND LEGEND, SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 4)

SCALE: 1" = 50'

TH-57

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE

CALCULATED-DESIGNED BY: NAYAN AMIN

CHECKED BY: RUTA JARIWALA

REVISED BY: N.A.

DATE REVISED: 11/01/10

LAST REVISION 11-01-10

DATE PLOTTED => 11/5/2010
TIME PLOTTED => 1:10:04 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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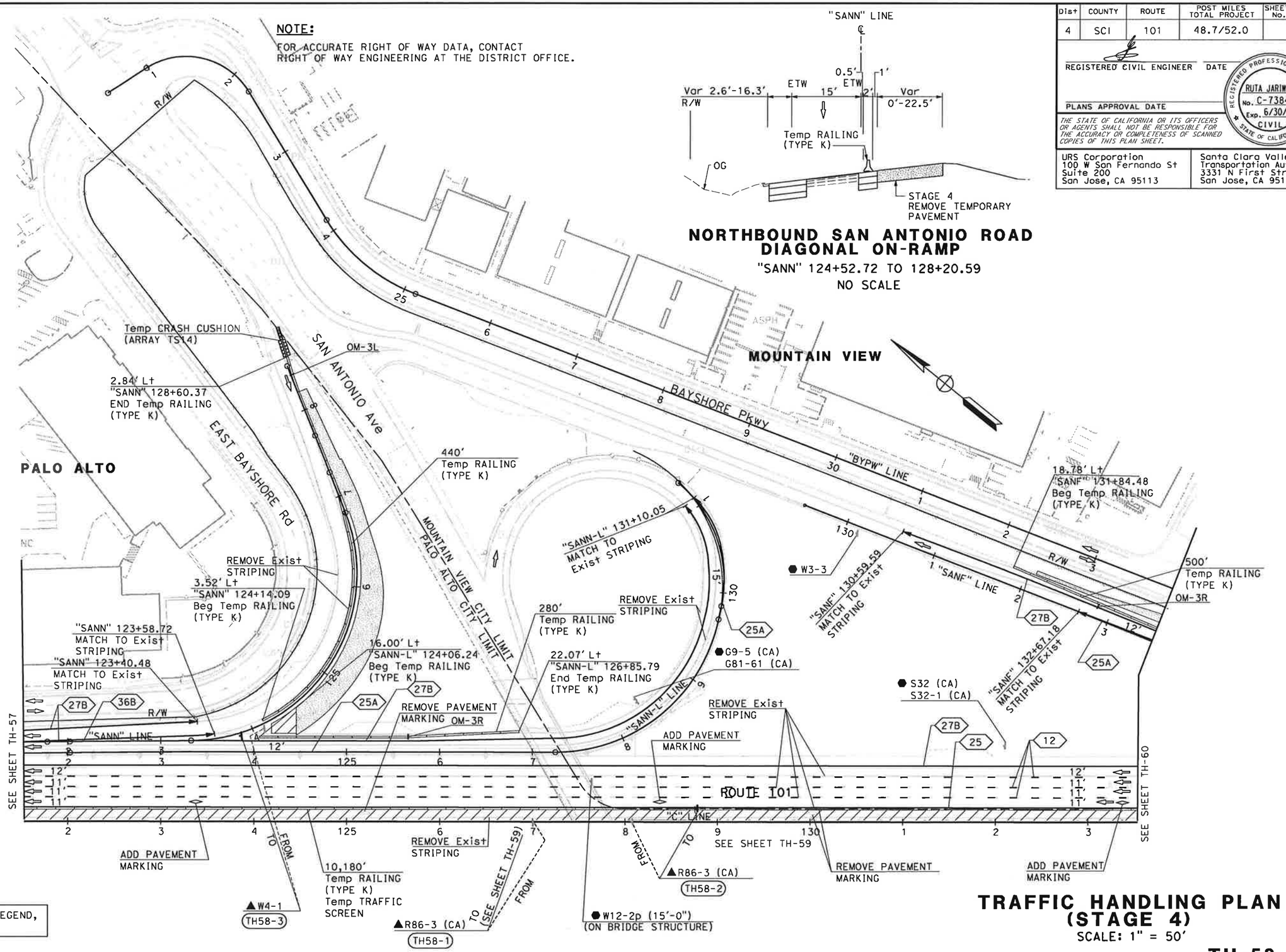

FOR NOTES AND LEGEND, SEE SHEET TH-1

TRAFFIC HANDLING PLAN (STAGE 4)

SCALE: 1" = 50'

TH-58

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE
CALCULATED-DESIGNED BY: NAYAN AMIN
CHECKED BY: RUTA JARIWALA
REVISED BY: N.A.
DATE REVISED: 11/01/10

LAST REVISION 11-01-10
DATE PLOTTED => 11/5/2010
TIME PLOTTED => 1:10:06 PM

BORDER LAST REVISED 7/2/2010
USERNAME => rutvij_patel
DGN FILE => ...\44a331ma058.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 0712
PROJECT NUMBER & PHASE 0400011261

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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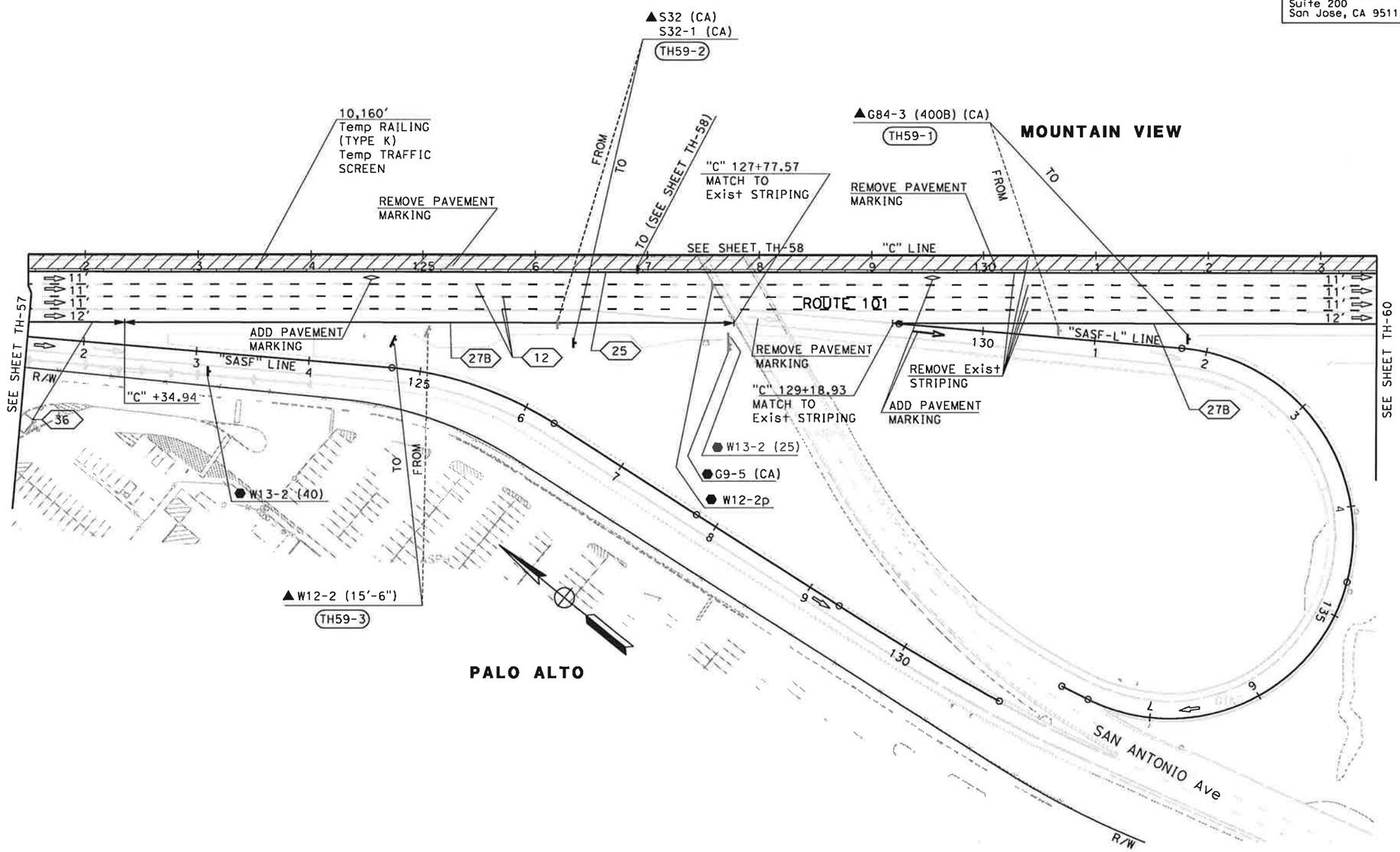

FOR NOTES AND LEGEND,
SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 4)

SCALE: 1" = 50'

TH-59

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE
CALCULATED-DESIGNED BY: NAYAN AMIN
CHECKED BY: RUTA JARIWALA
REVISED BY: N.A.
DATE REVISED: 11/01/10

LAST REVISION 11-01-10
DATE PLOTTED => 11/5/2010
TIME PLOTTED => 11:10:12 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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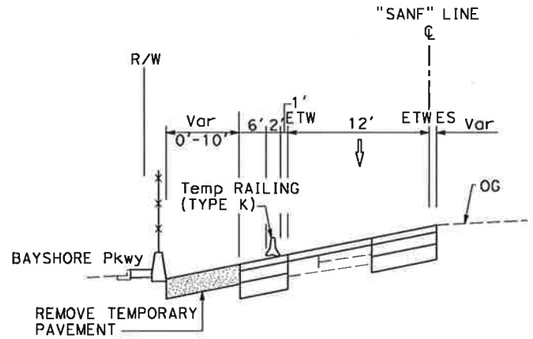
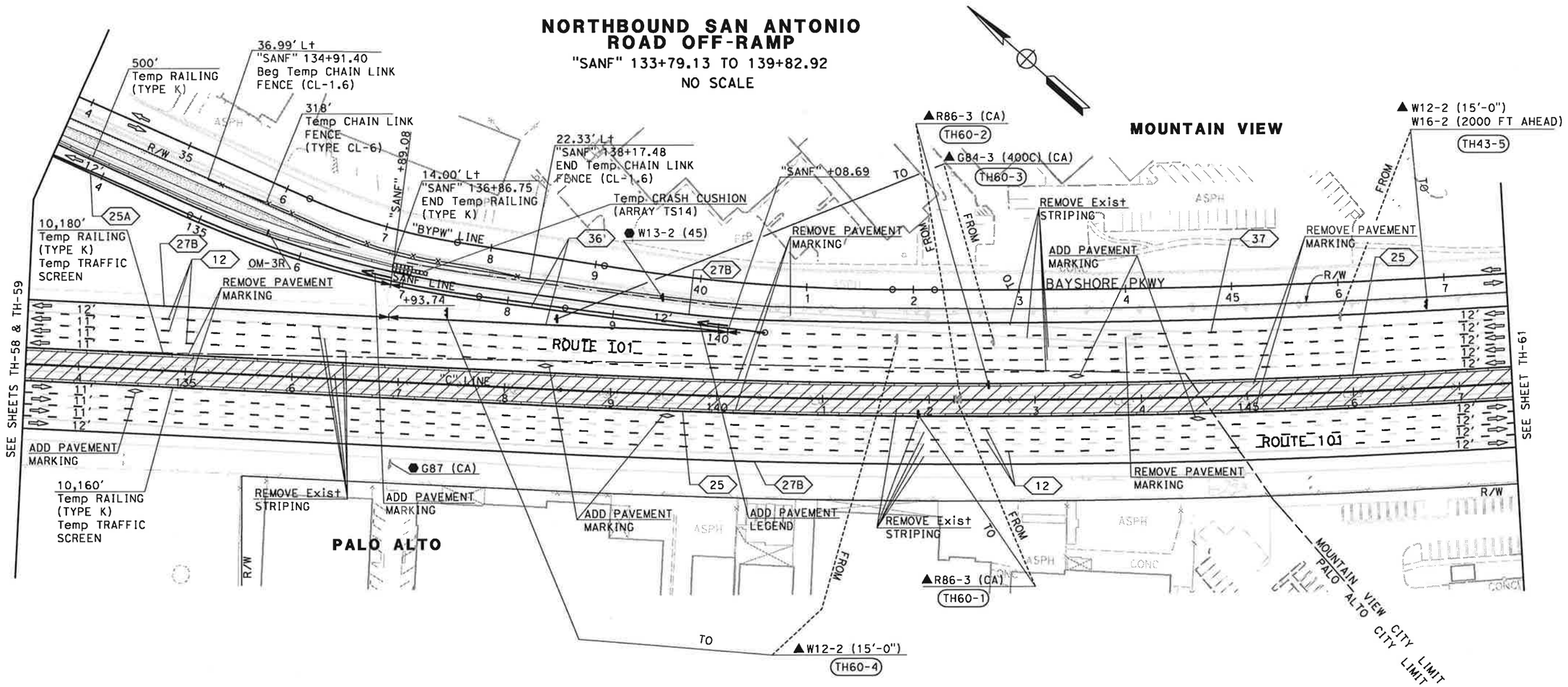


NORTHBOUND SAN ANTONIO ROAD OFF-RAMP

"SANF" 133+79.13 TO 139+82.92

NO SCALE



FOR NOTES AND LEGEND, SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 4)

SCALE: 1" = 50'

TH-60

REVISED BY	DATE REVISED
N.A.	11/01/10

NAYAN AMIN — RUTA JARIWALA

CALCULATED-DESIGNED BY — CHECKED BY

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans TRAFFIC DESIGN

LAST REVISION 11-01-10 — DATE PLOTTED => 11/5/2010 — TIME PLOTTED => 1:10:14 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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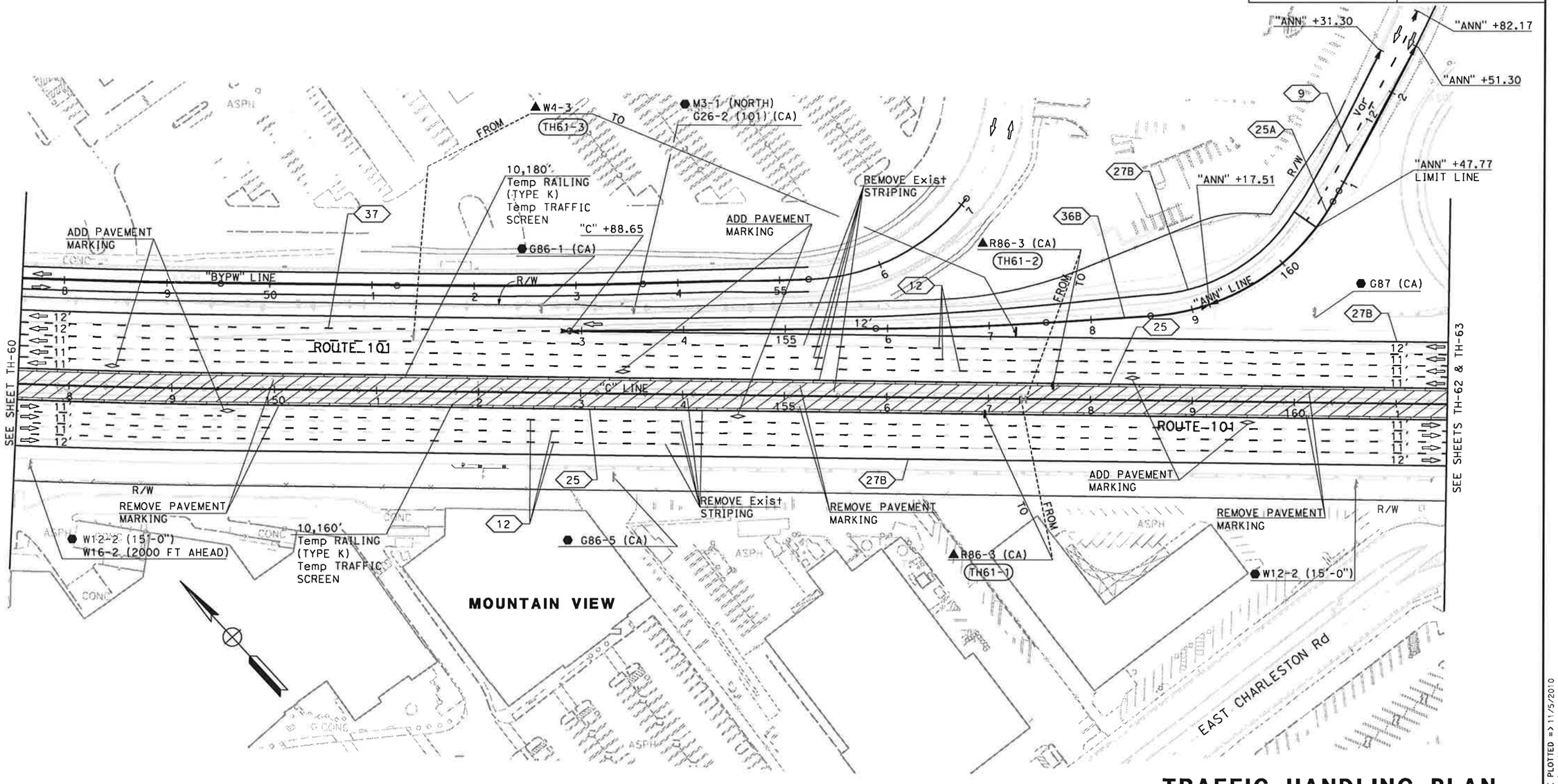

FOR NOTES AND LEGEND,
SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 4)

SCALE: 1" = 50'

TH-61

REVISED BY	DATE REVISED
N.A.	11/01/10

NAYAN AMIN — RUTA JARIWALA — CALCULATED-DESIGNED BY — CHECKED BY

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION — Caltrans — TRAFFIC DESIGN

LAST REVISION 11-01-10 — DATE PLOTTED => 11/5/2010 — TIME PLOTTED => 1:10:16 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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NOTE:

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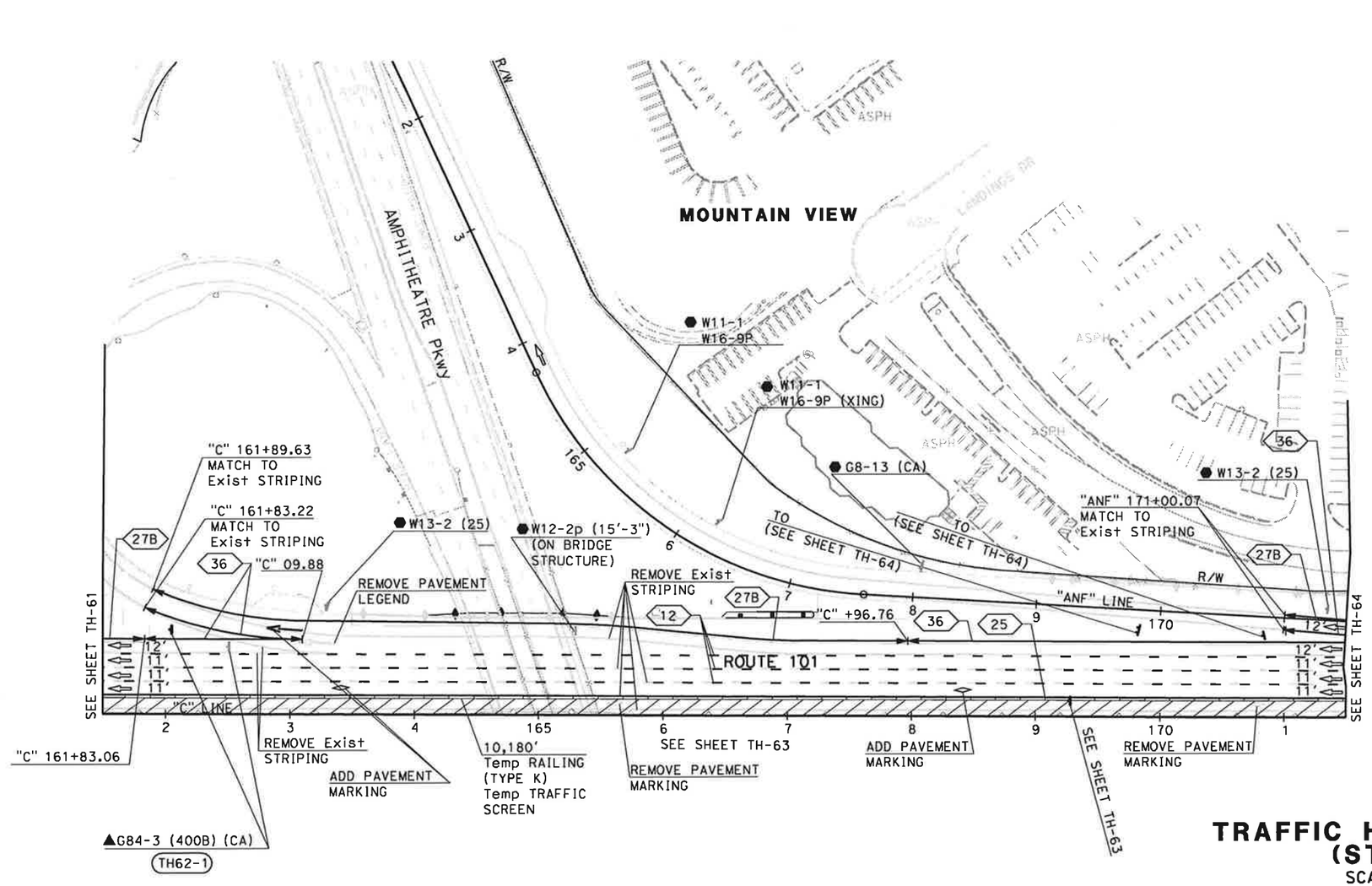
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



FOR NOTES AND LEGEND,
SEE SHEET TH-1

TRAFFIC HANDLING PLAN (STAGE 4)

SCALE: 1" = 50'

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TH-62

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE

CALCULATED-DESIGNED BY: NAYAN AMIN

CHECKED BY: RUTA JARIWALA

REVISED BY: N.A.

DATE REVISED: 11/01/10

LAST REVISION: 11-01-10

DATE PLOTTED => 11/5/2010
TIME PLOTTED => 1:10:18 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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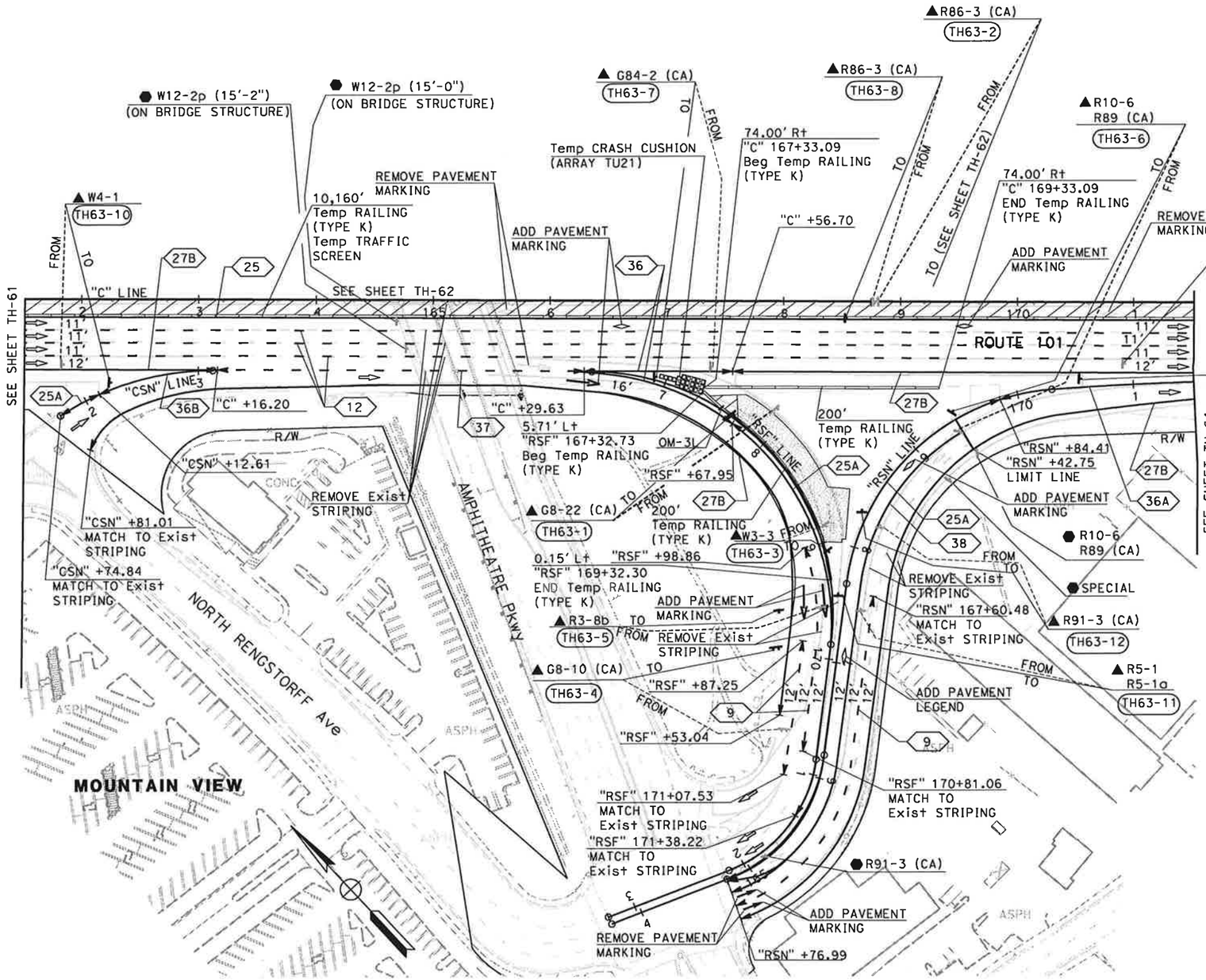

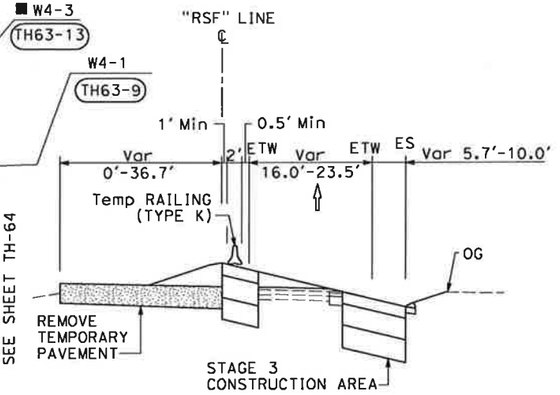

SOUTHBOUND RENGSTORFF AVENUE OFF-RAMP

"RSF" 167+57.50 TO 169+03.65

NO SCALE

FOR NOTES AND LEGEND,
SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY.

TRAFFIC HANDLING PLAN (STAGE 4)

SCALE: 1" = 50'

TH-63

N.A.	11/01/10
REVISED BY	DATE REVISED
NAYAN AMIN	RUTA JARIWALA
CALCULATED-DESIGNED BY	CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR	CHRISTOPHER LILLIE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

TRAFFIC DESIGN

LAST REVISION 11-01-10 | DATE PLOTTED => 11/5/2010 | TIME PLOTTED => 11:10:20 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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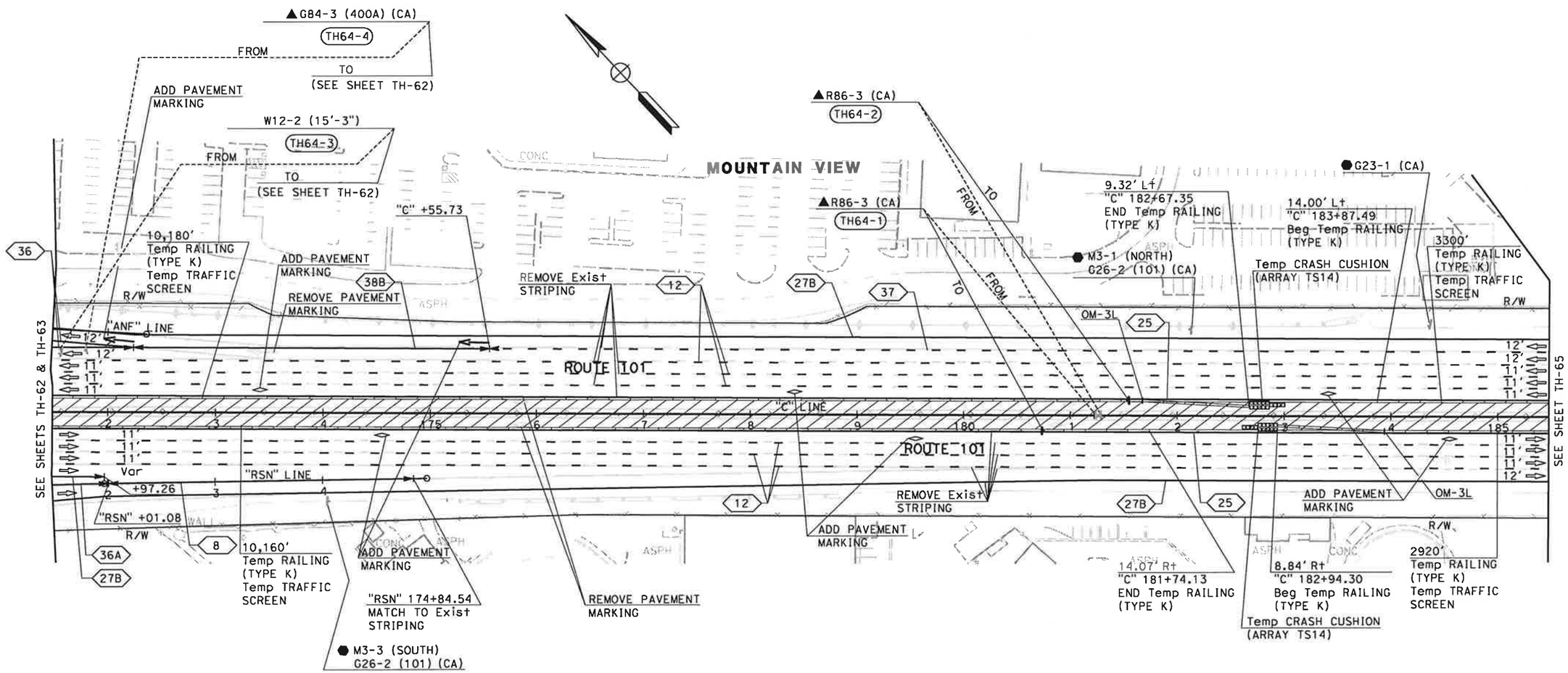

FOR NOTES AND LEGEND,
SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 4)

SCALE: 1" = 50'

TH-64

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE
CALCULATED-DESIGNED BY: NAYAN AMIN
CHECKED BY: RUTA JARIWALA
REVISED BY: N.A.
DATE REVISED: 11/01/10

LAST REVISION DATE PLOTTED => 11/5/2010
TIME PLOTTED => 11:10:22 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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San Jose, CA 95134

NOTE:

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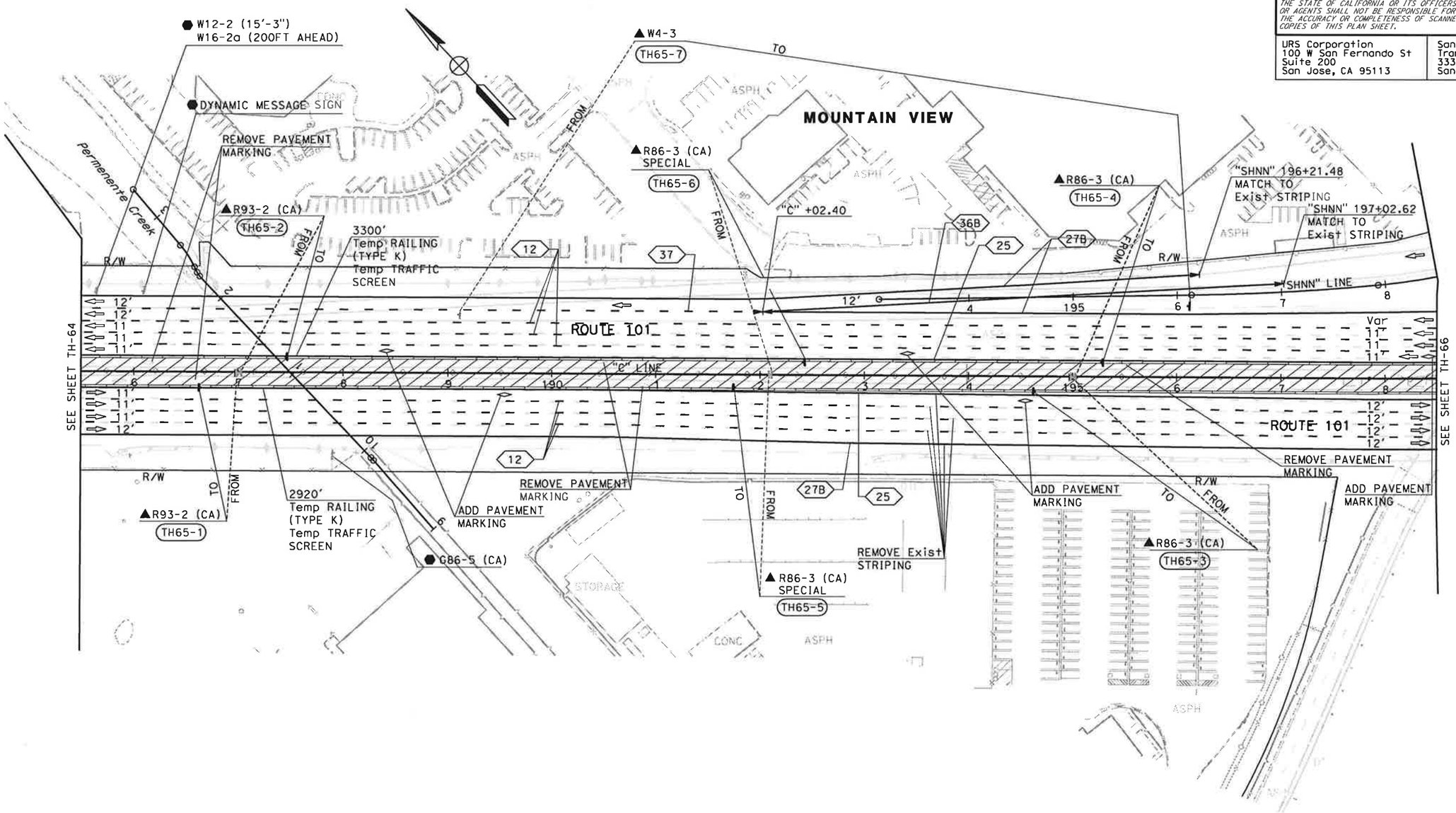

FOR NOTES AND LEGEND, SEE SHEET TH-1

TRAFFIC HANDLING PLAN (STAGE 4)

SCALE: 1" = 50'

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TH-65

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE

CALCULATED-DESIGNED BY: NAYAN AMIN

CHECKED BY: RUTA JARIWALA

REVISED BY: N.A.

DATE REVISED: 11/01/10

LAST REVISION 11-01-10

DATE PLOTTED => 11/5/2010
TIME PLOTTED => 1:10:24 PM

BORDER LAST REVISED 7/2/2010

USERNAME => rutvij_patel
DGN FILE => ...\44a331ma065.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0712

PROJECT NUMBER & PHASE 0400011261

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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Santa Clara Valley
Transportation Authority
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NOTE:

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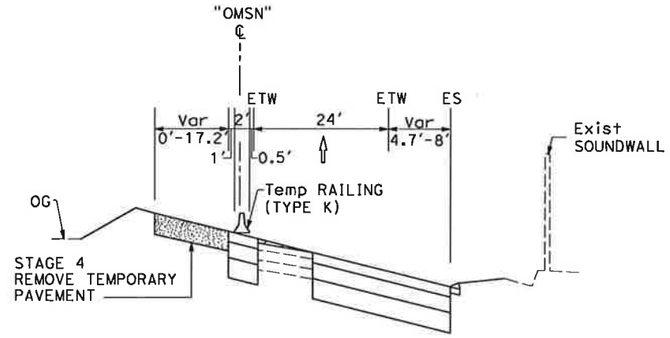
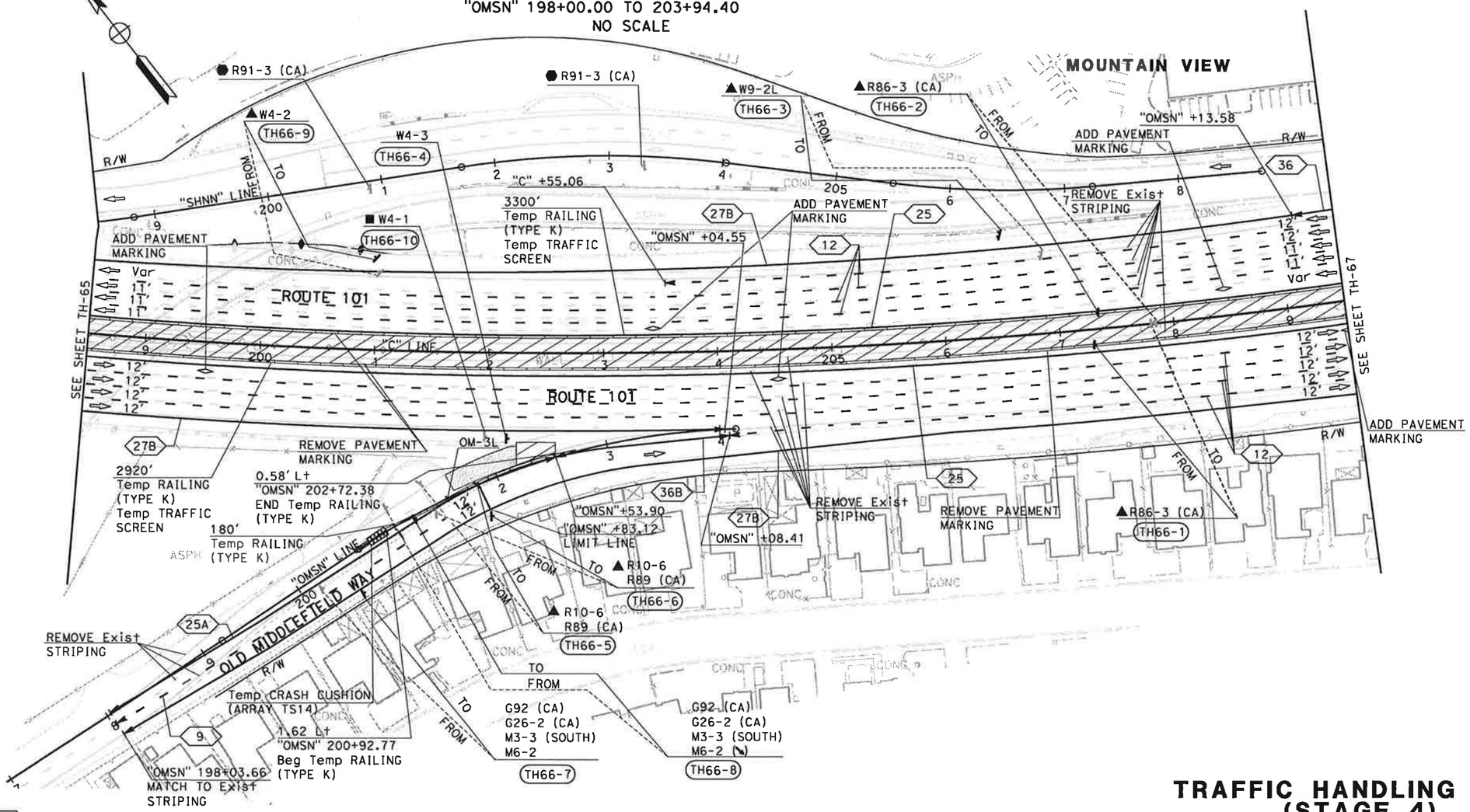


SOUTHBOUND OLD MIDDLEFIELD WAY ON-RAMP

"OMSN" 198+00.00 TO 203+94.40

NO SCALE



FOR NOTES AND LEGEND, SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 4)

SCALE: 1" = 50'

TH-66

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE

CALCULATED-DESIGNED BY: NAYAN AMIN

CHECKED BY: RUTA JARIWALA

REVISED BY: N.A.

DATE REVISED: 11/01/10

LAST REVISION 11-01-10 DATE PLOTTED => 11/5/2010 TIME PLOTTED => 1:10:26 PM

BORDER LAST REVISED 7/2/2010

USERNAME => rutvij_patel
DGN FILE => ...\44a331ma066.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0712

PROJECT NUMBER & PHASE 0400011261

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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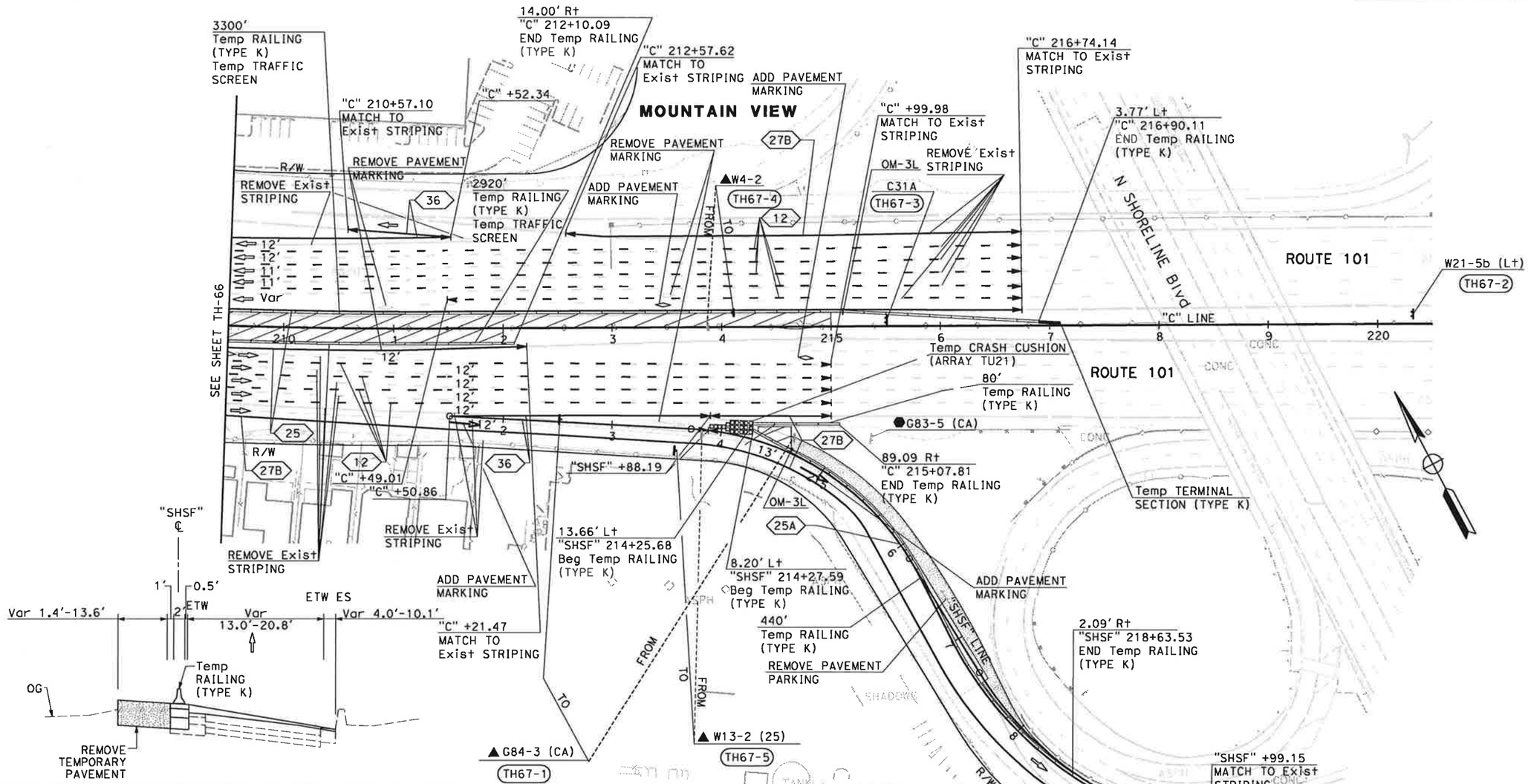
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



SOUTHBOUND SHORELINE BLVD OFF-RAMP

"SHSF" 211+50.89 TO 217+45.55
NO SCALE

FOR NOTES AND LEGEND,
SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 4)

SCALE: 1" = 50'

TH-67

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	TRAFFIC DESIGN
CONSULTANT FUNCTIONAL SUPERVISOR	CHRISTOPHER LILLIE
CALCULATED-DESIGNED BY	NAYAN AMIN
CHECKED BY	RUTA JARIWALA
REVISED BY	N.A.
DATE REVISED	11/01/10

LAST REVISION 11-01-10
DATE PLOTTED => 11/5/2010
TIME PLOTTED => 11:10:28 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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San Jose, CA 95134

NOTE:

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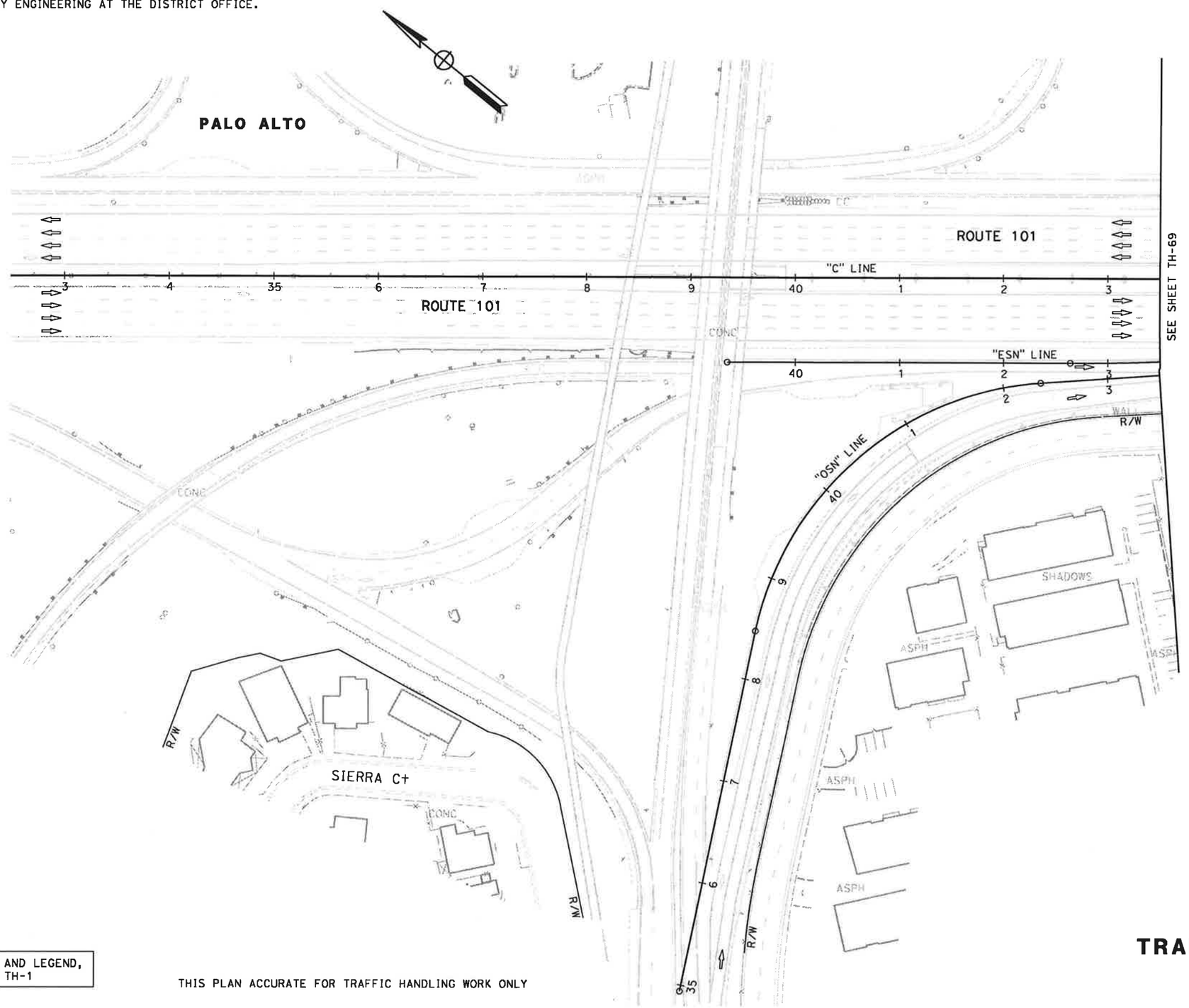

FOR NOTES AND LEGEND, SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 5)

SCALE: 1" = 50'

TH-68

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE

CALCULATED-DESIGNED BY: NAYAN AMIN

CHECKED BY: RUTA JARIWALA

REVISED BY: N.A.

DATE REVISED: 11/01/10

LAST REVISION 11-01-10

DATE PLOTTED => 11/5/2010

TIME PLOTTED => 1:10:30 PM

BORDER LAST REVISED 7/2/2010

USERNAME => rutvij_patel
DGN FILE => ...\44A331ma068.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0712

PROJECT NUMBER & PHASE 0400011261

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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NOTE:

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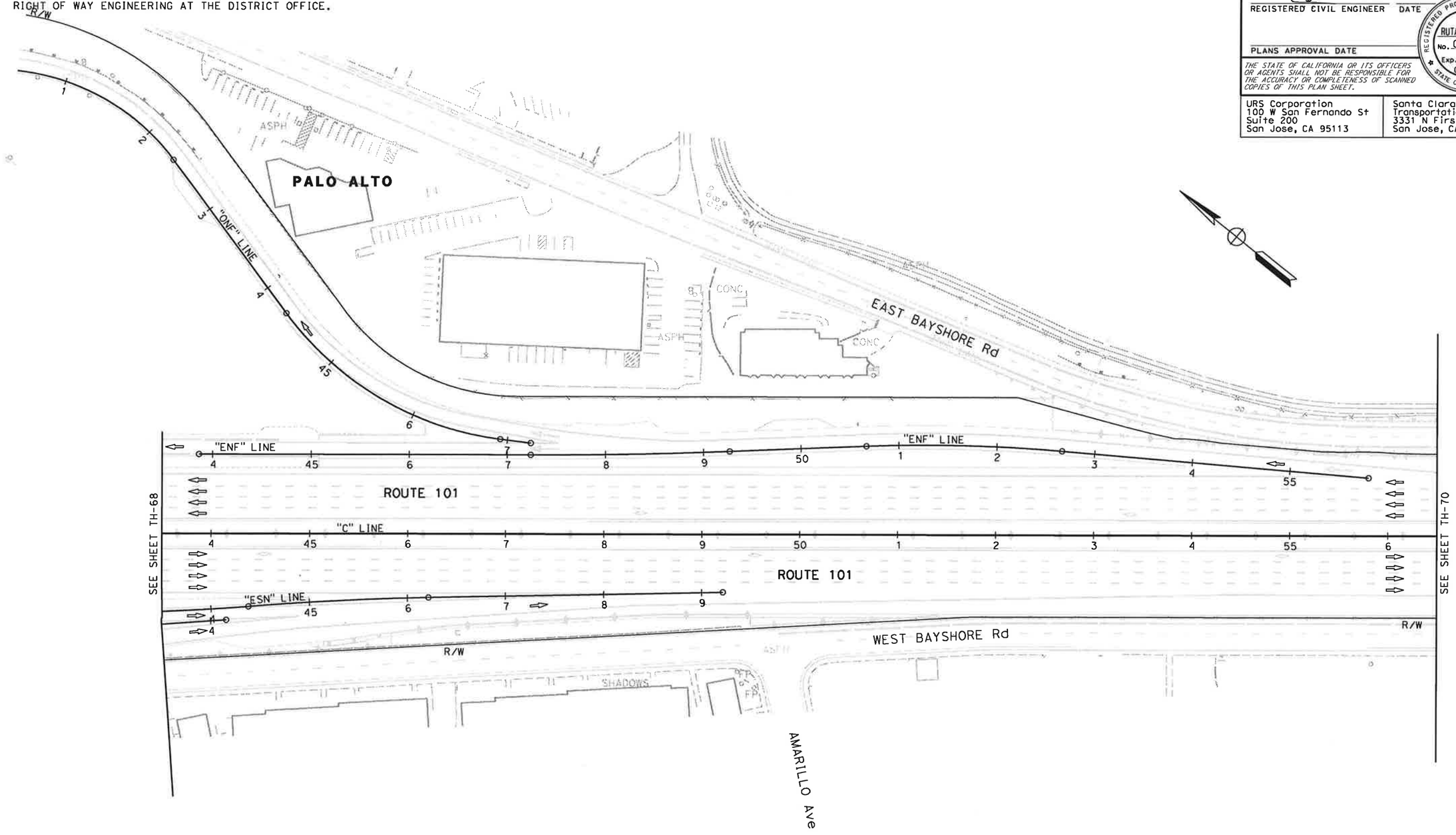

FOR NOTES AND LEGEND, SEE SHEET TH-1

TRAFFIC HANDLING PLAN (STAGE 5)

SCALE: 1" = 50'

TH-69

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE

CALCULATED-DESIGNED BY: NAYAN AMIN

CHECKED BY: RUTA JARIWALA

REVISED BY: N.A.

DATE REVISED: 11/01/10

LAST REVISION 11-01-10

DATE PLOTTED => 11/5/2010
TIME PLOTTED => 11:10:31 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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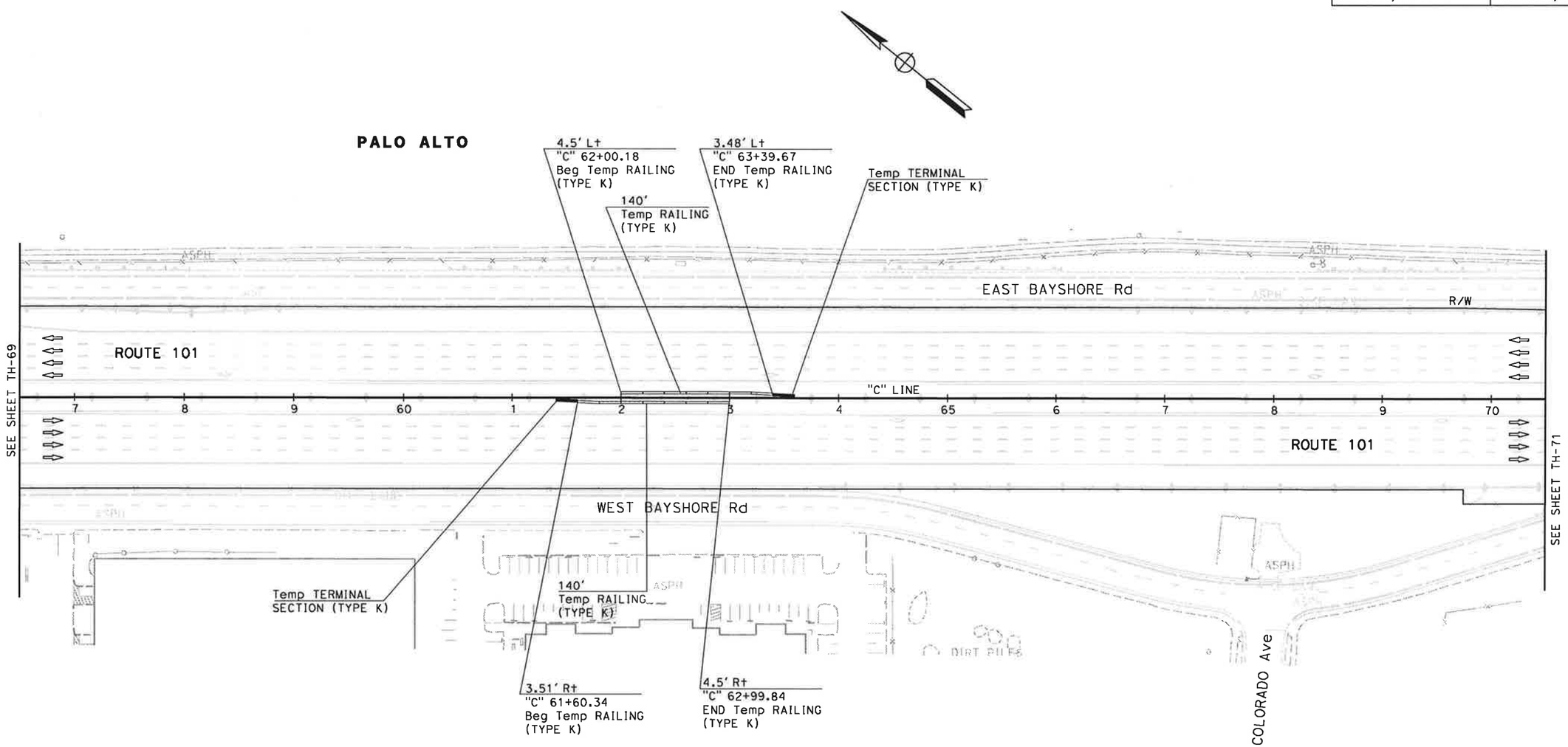
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



FOR NOTES AND LEGEND,
SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 5)

SCALE: 1" = 50'

TH-70

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE

CALCULATED-DESIGNED BY: NAYAN AMIN

CHECKED BY: RUTA JARIWALA

REVISED BY: N.A.

DATE REVISED: 11/01/10

LAST REVISION: 11-01-10

DATE PLOTTED => 11/5/2010
TIME PLOTTED => 1:10:33 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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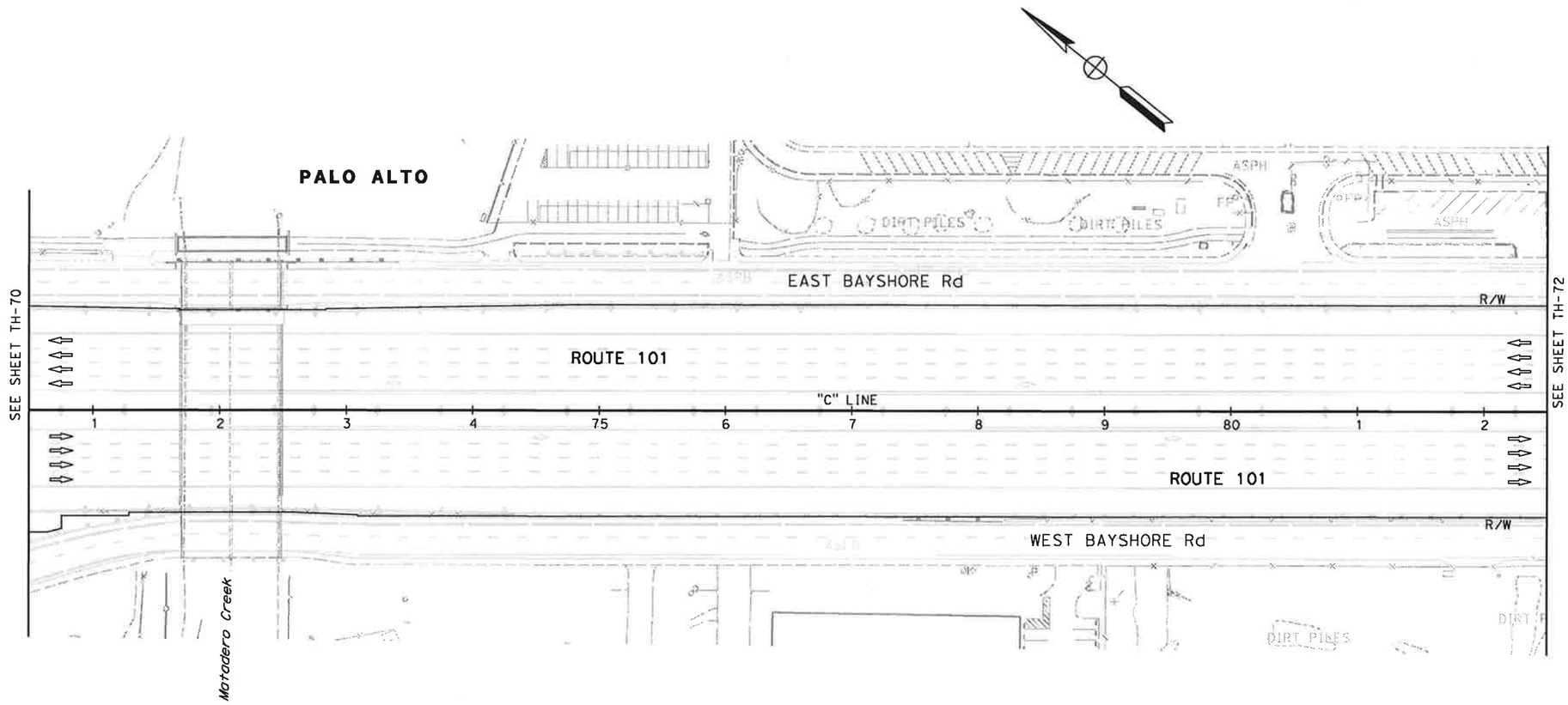

FOR NOTES, AND LEGEND
SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 5)

SCALE: 1" = 50'

TH-71

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE
CALCULATED-DESIGNED BY: NAYAN AMIN
CHECKED BY: RUTA JARIWALA
REVISED BY: N.A.
DATE REVISED: 11/01/10

LAST REVISION 11-01-10 DATE PLOTTED => 11/5/2010 TIME PLOTTED => 11:10:34 PM

BORDER LAST REVISED 7/2/2010 | USERNAME => rutvij_patel DGN FILE => ...\44a331ma071.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0712 | PROJECT NUMBER & PHASE 0400011261

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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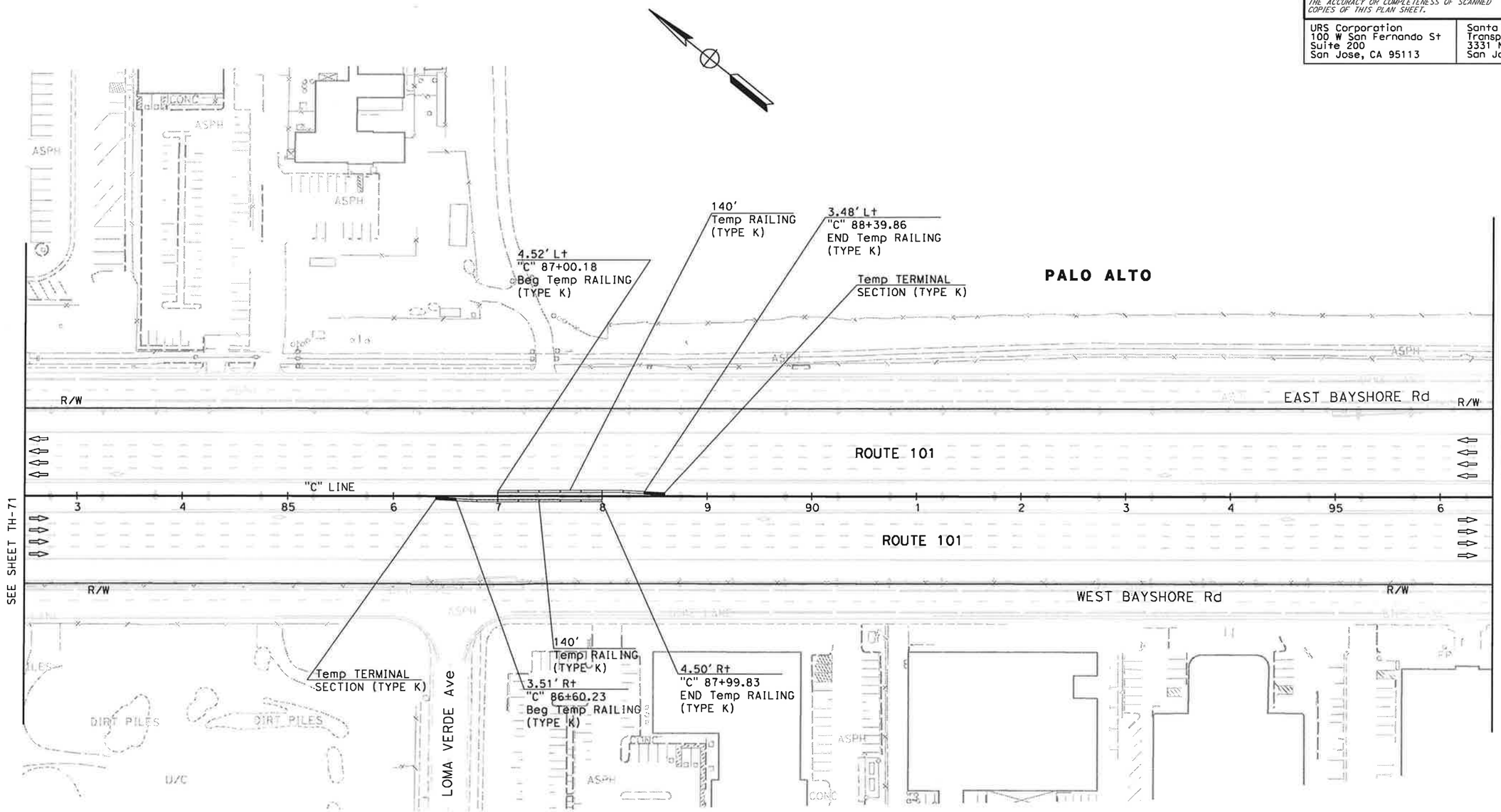
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



FOR NOTES, AND LEGEND
SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 5)

SCALE: 1" = 50'

TH-72

CALCULATED-DESIGNED BY	NAYAN AMIN
CHECKED BY	RUTA JARIWALA
REVISED BY	N.A.
DATE REVISED	11/01/10
CONSULTANT FUNCTIONAL SUPERVISOR	CHRISTOPHER LILLIE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

LAST REVISION 11-01-10
DATE PLOTTED => 11/5/2010
TIME PLOTTED => 11:10:36 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCl	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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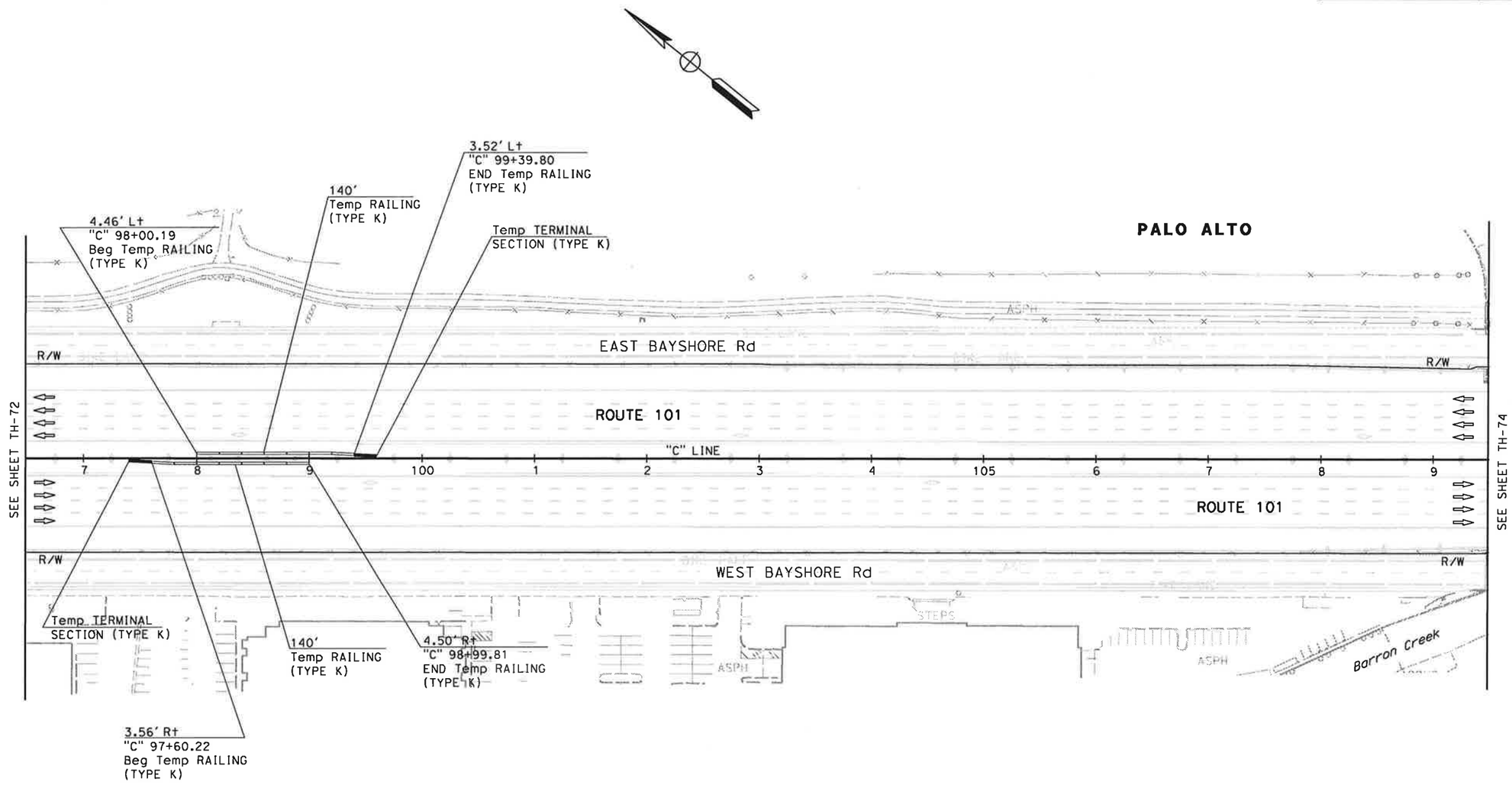

FOR NOTES, AND LEGEND
SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 5)

SCALE: 1" = 50'

TH-73

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE

CALCULATED-DESIGNED BY: NAYAN AMIN
CHECKED BY: RUTA JARIWALA

REVISED BY: N.A.
DATE REVISED: 11/01/10

LAST REVISION: 11-01-10
DATE PLOTTED => 11/5/2010
TIME PLOTTED => 11:10:37 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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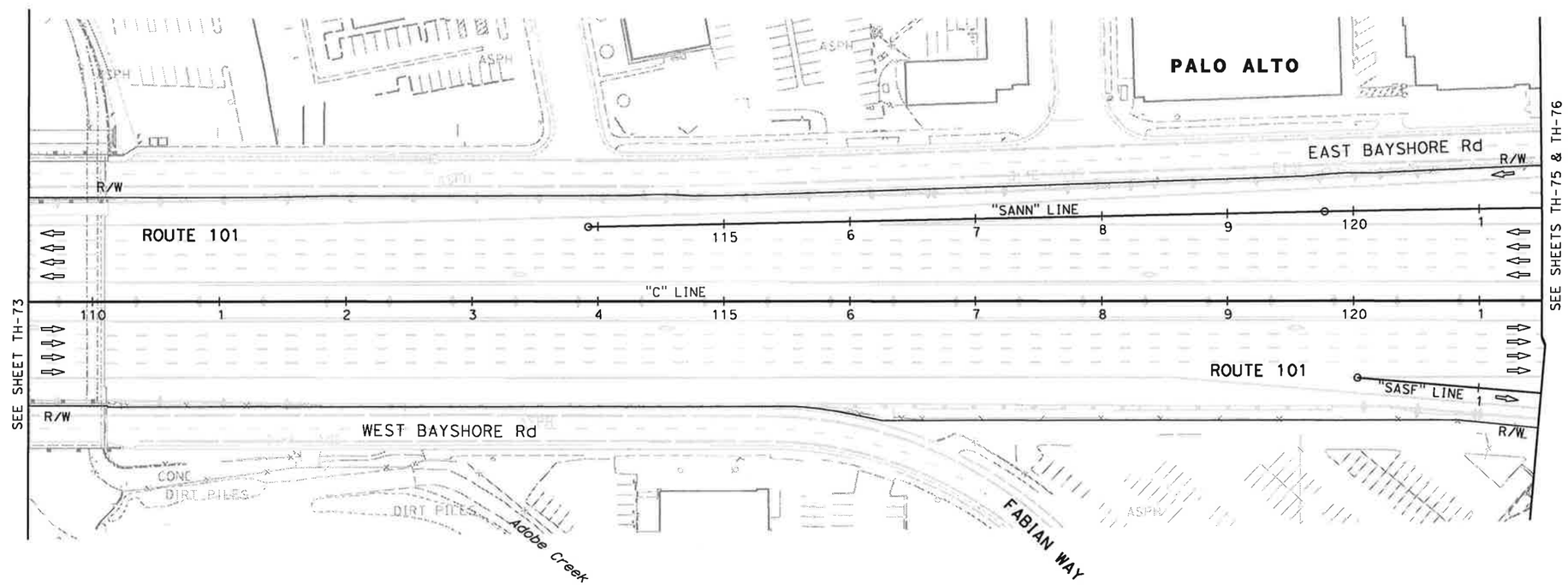
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



FOR NOTES, AND LEGEND
SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 5)

SCALE: 1" = 50'

TH-74

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE
CALCULATED-DESIGNED BY: NAYAN AMIN
CHECKED BY: RUTA JARIWALA
REVISED BY: N.A.
DATE REVISED: 11/01/10

LAST REVISION 11-01-10 DATE PLOTTED => 11/5/2010 TIME PLOTTED => 1:10:38 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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NOTE:

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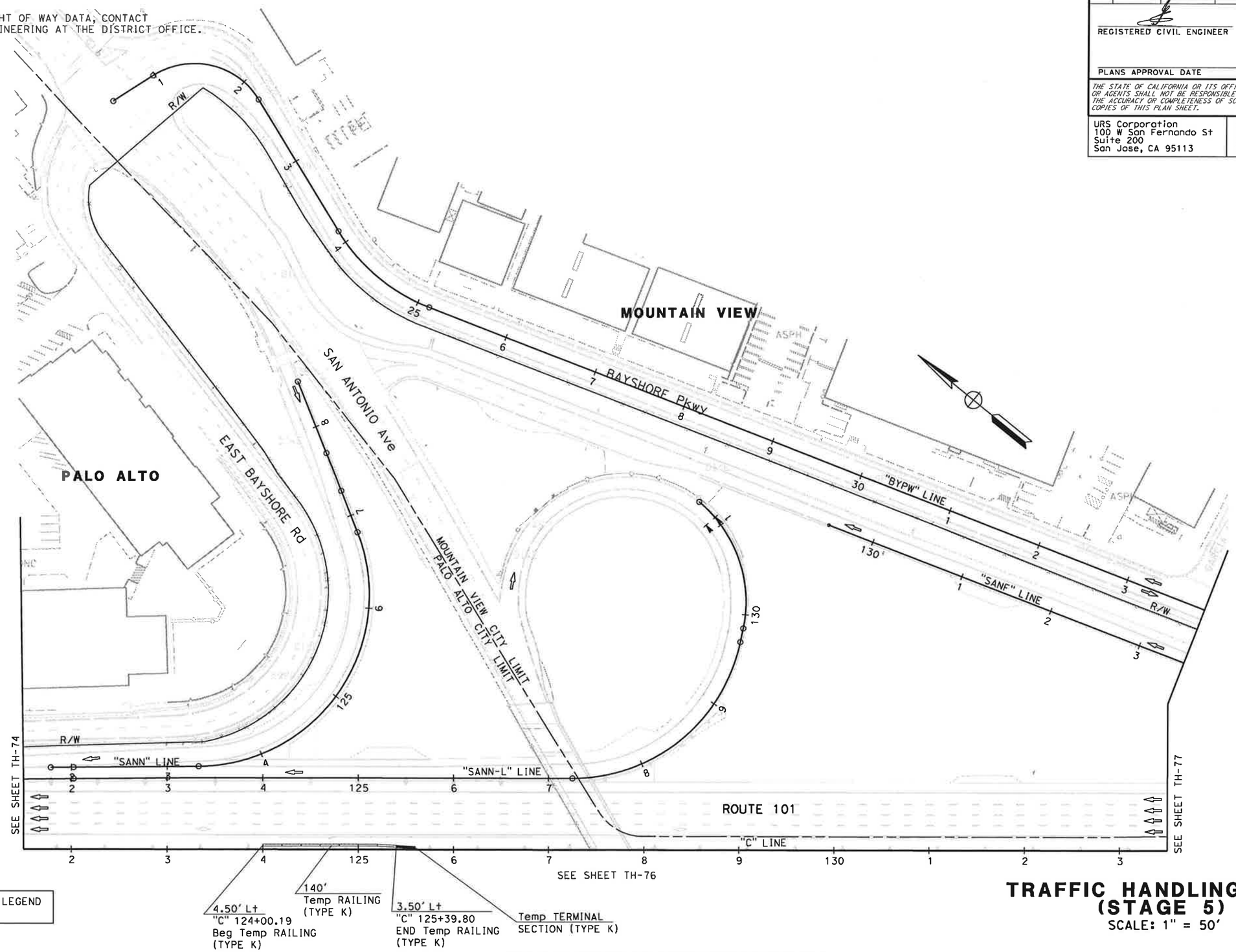

FOR NOTES, AND LEGEND SEE SHEET TH-1

TRAFFIC HANDLING PLAN (STAGE 5)

SCALE: 1" = 50'

TH-75

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE

CALCULATED-DESIGNED BY: NAYAN AMIN

CHECKED BY: RUTA JARIWALA

REVISED BY: N.A.

DATE REVISED: 11/01/10

LAST REVISION: 11-01-10

DATE PLOTTED => 11/5/2010

TIME PLOTTED => 1:10:39 PM

BORDER LAST REVISED 7/2/2010

USERNAME => rutvij_patel

DGN FILE => ...\44a331ma075.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0712

PROJECT NUMBER & PHASE 0400011261

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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Santa Clara Valley
Transportation Authority
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San Jose, CA 95134

NOTE:

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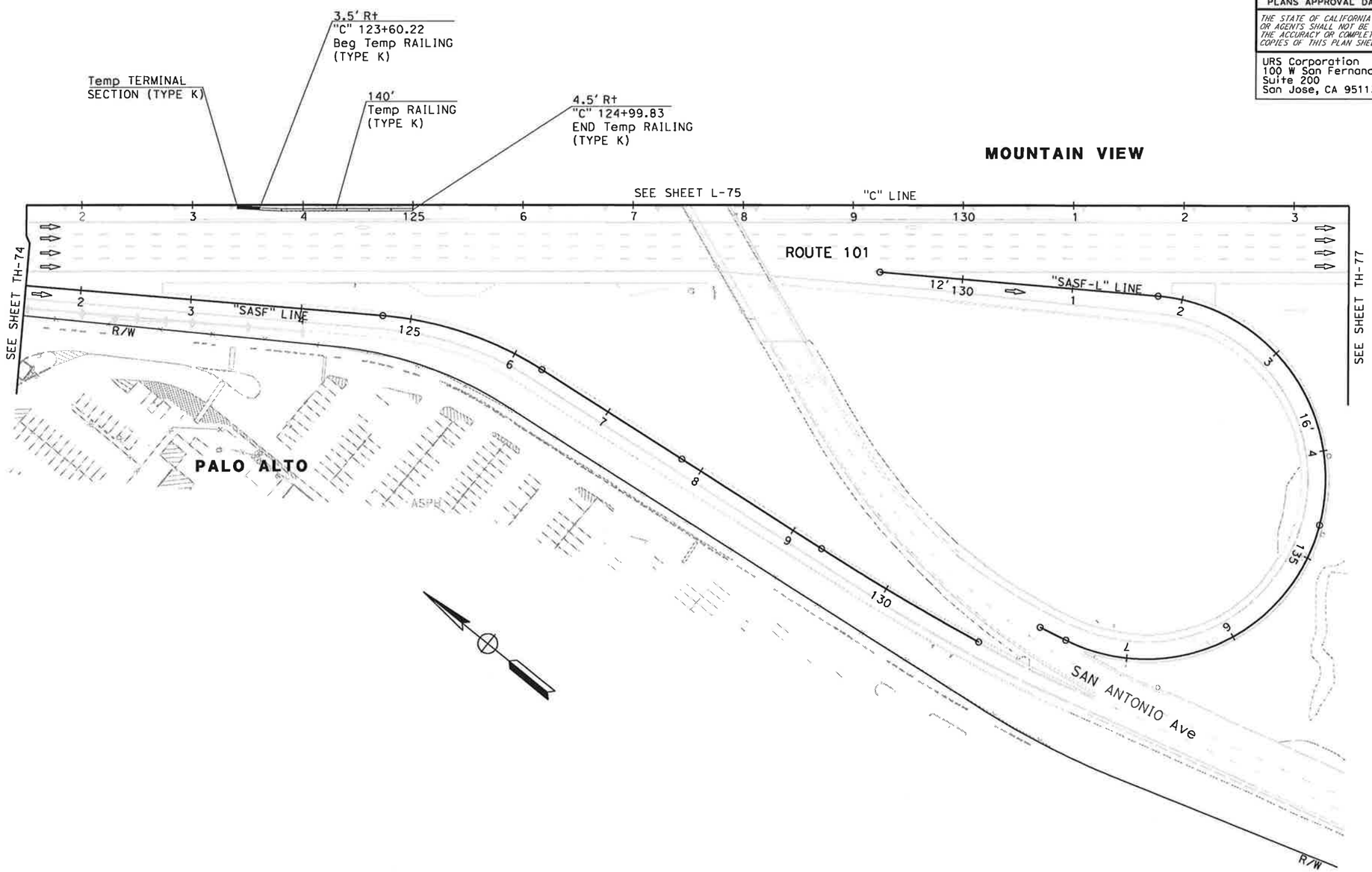
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



FOR NOTES, AND LEGEND
SEE SHEET TH-1

TRAFFIC HANDLING PLAN (STAGE 5)

SCALE: 1" = 50'

TH-76

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

N.A.	11/01/10
REVISED BY	DATE REVISED
NAYAN AMIN	RUTA JARIWALA
CALCULATED-DESIGNED BY	CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR	CHRISTOPHER LILLIE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

LAST REVISION 11-01-10
DATE PLOTTED => 11/5/2010
TIME PLOTTED => 11:10:41 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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Transportation Authority
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San Jose, CA 95134

NOTE:

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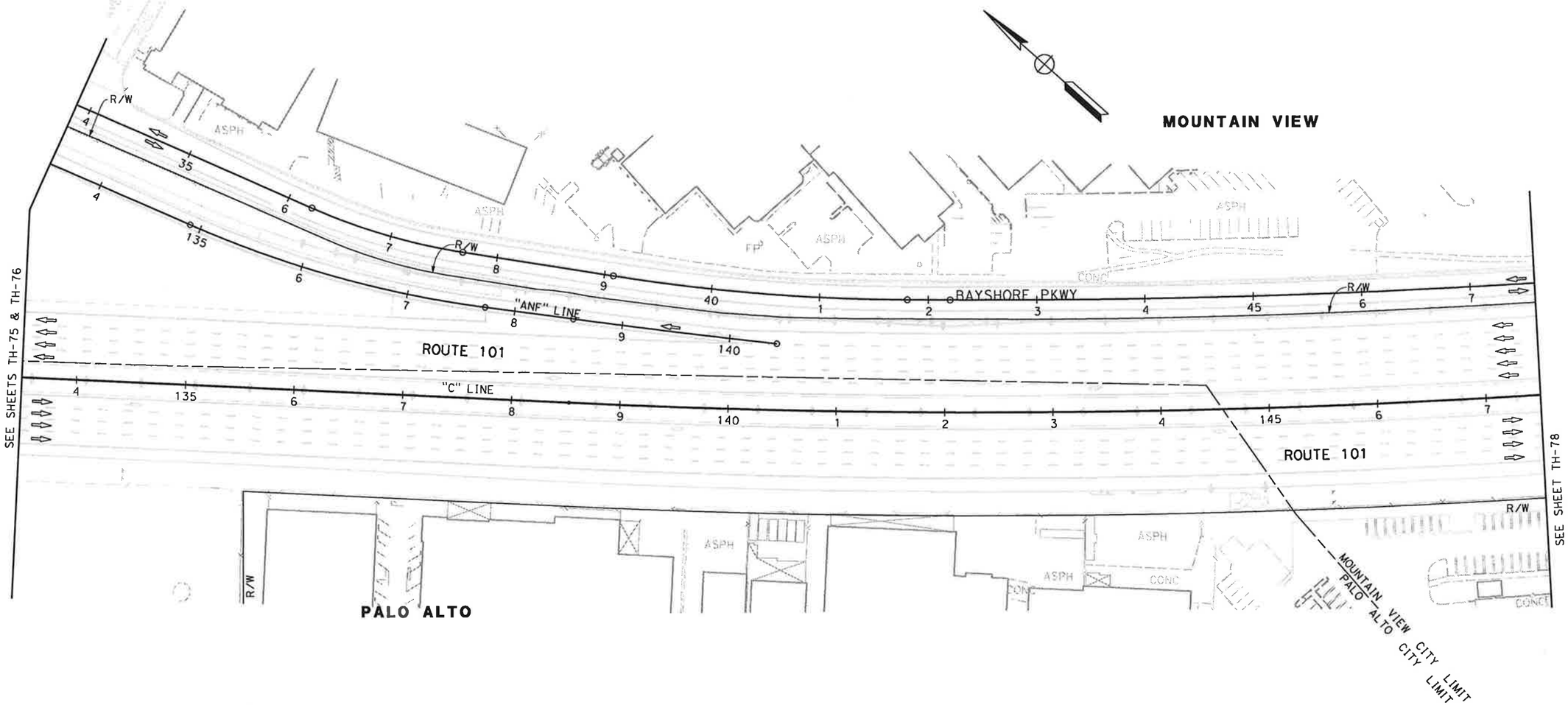
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



FOR NOTES, AND LEGEND
SEE SHEET TH-1

TRAFFIC HANDLING PLAN (STAGE 5)

SCALE: 1" = 50'

TH-77

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE
CALCULATED-DESIGNED BY: NAYAN AMIN
CHECKED BY: RUTA JARIWALA
REVISED BY: N.A.
DATE REVISED: 11/01/10

LAST REVISION 11-01-10
DATE PLOTTED => 11/5/2010
TIME PLOTTED => 1:10:42 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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NOTE:

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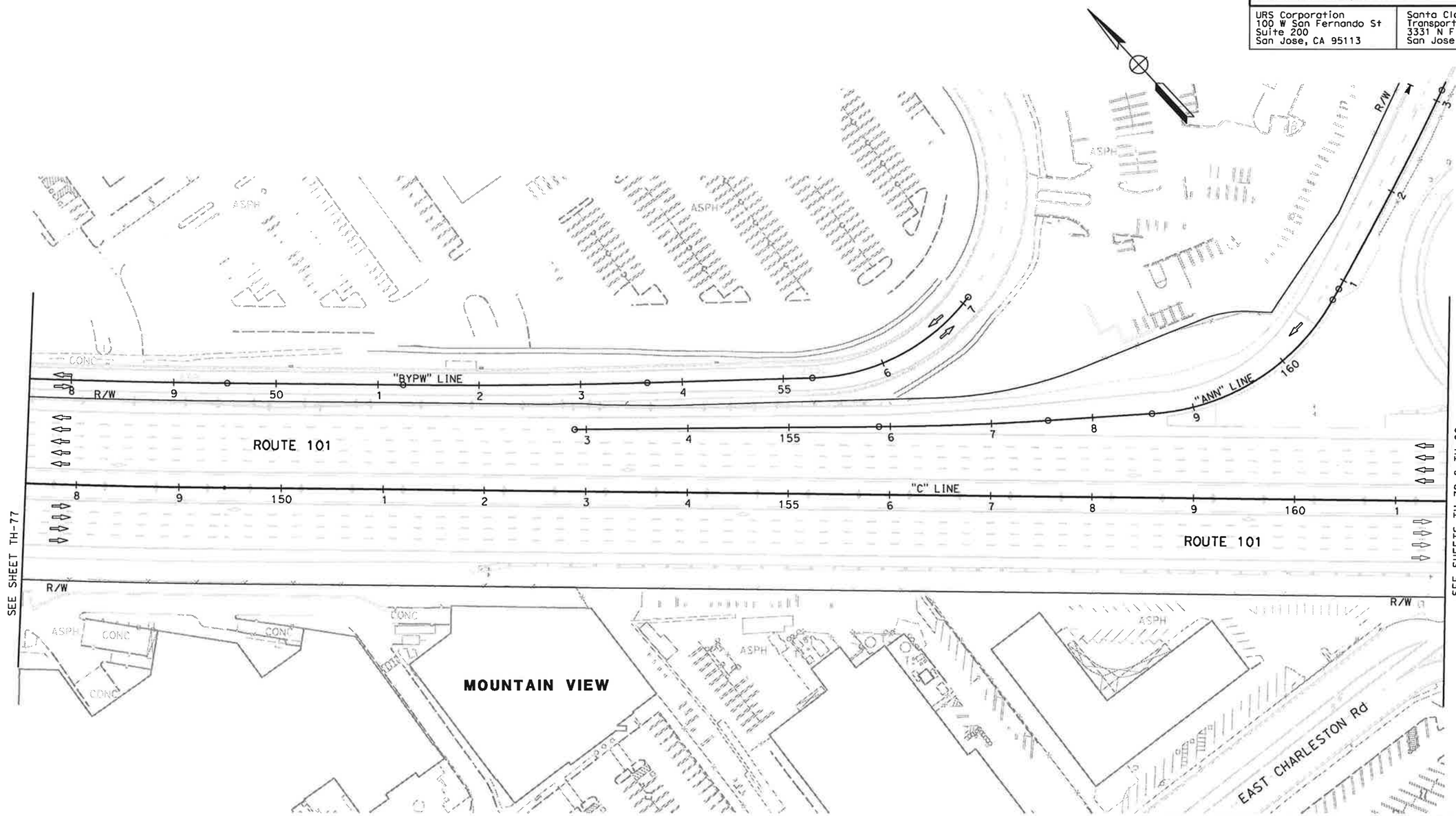

FOR NOTES, AND LEGEND SEE SHEET TH-1

TRAFFIC HANDLING PLAN (STAGE 5)

SCALE: 1" = 50'

TH-78

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE

CALCULATED-DESIGNED BY: NAYAN AMIN

CHECKED BY: RUTA JARIWALA

REVISED BY: N.A.

DATE REVISED: 11/01/10

LAST REVISION: 11-01-10

DATE PLOTTED => 11/5/2010

TIME PLOTTED => 1:10:43 PM

BORDER LAST REVISED 7/2/2010

USERNAME => rutvij_patel

DGN FILE => ...\44a331ma078.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0712

PROJECT NUMBER & PHASE 0400011261

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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Santa Clara Valley
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3331 N First Street
San Jose, CA 95134

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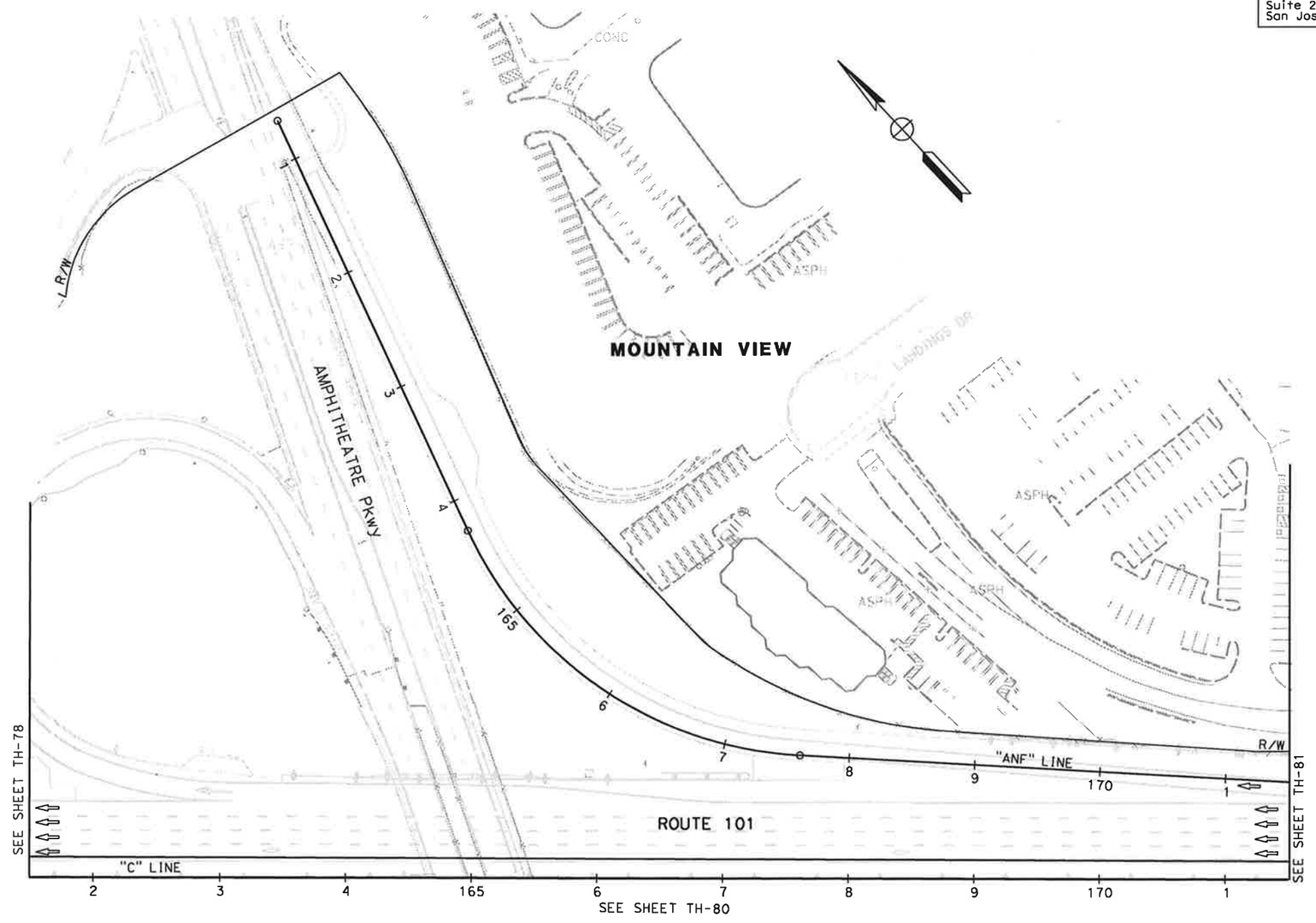
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



FOR NOTES, AND LEGEND
SEE SHEET TH-1

TRAFFIC HANDLING PLAN (STAGE 5)

SCALE: 1" = 50'

TH-79

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE
CALCULATED-DESIGNED BY: NAYAN AMIN
CHECKED BY: RUTA JARIWALA
REVISED BY: N.A.
DATE REVISED: 11/01/10

LAST REVISION 11-01-10
DATE PLOTTED => 11/5/2010
TIME PLOTTED => 11:10:45 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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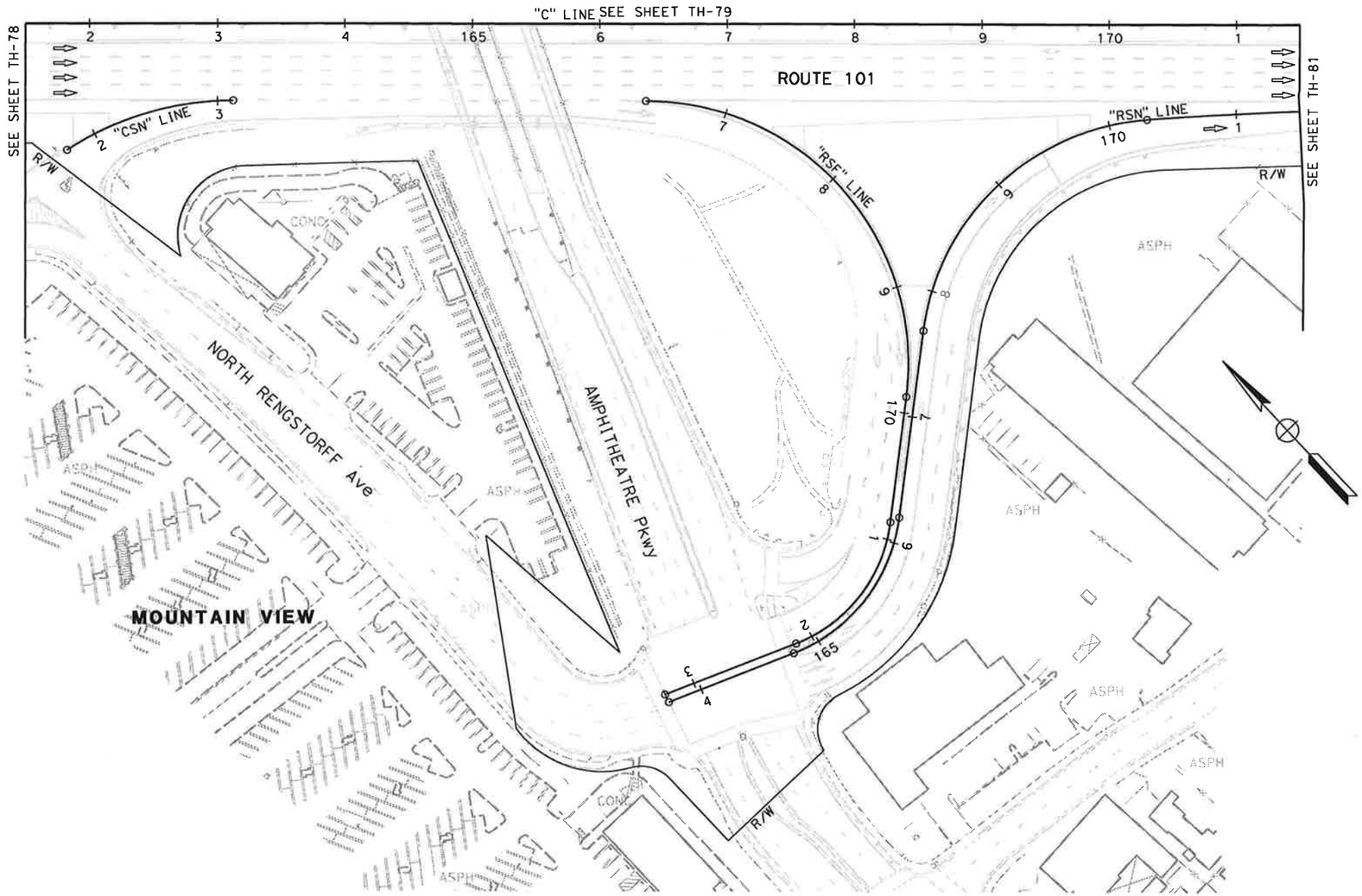

FOR NOTES AND LEGEND,
SEE SHEET TH-1

TRAFFIC HANDLING PLAN (STAGE 5)

SCALE: 1" = 50'

TH-80

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE
CALCULATED-DESIGNED BY: NAYAN AMIN
CHECKED BY: RUTA JARIWALA
REVISED BY: N.A.
DATE REVISED: 11/01/10

LAST REVISION 11-01-10
DATE PLOTTED => 11/5/2010
TIME PLOTTED => 11:10:46 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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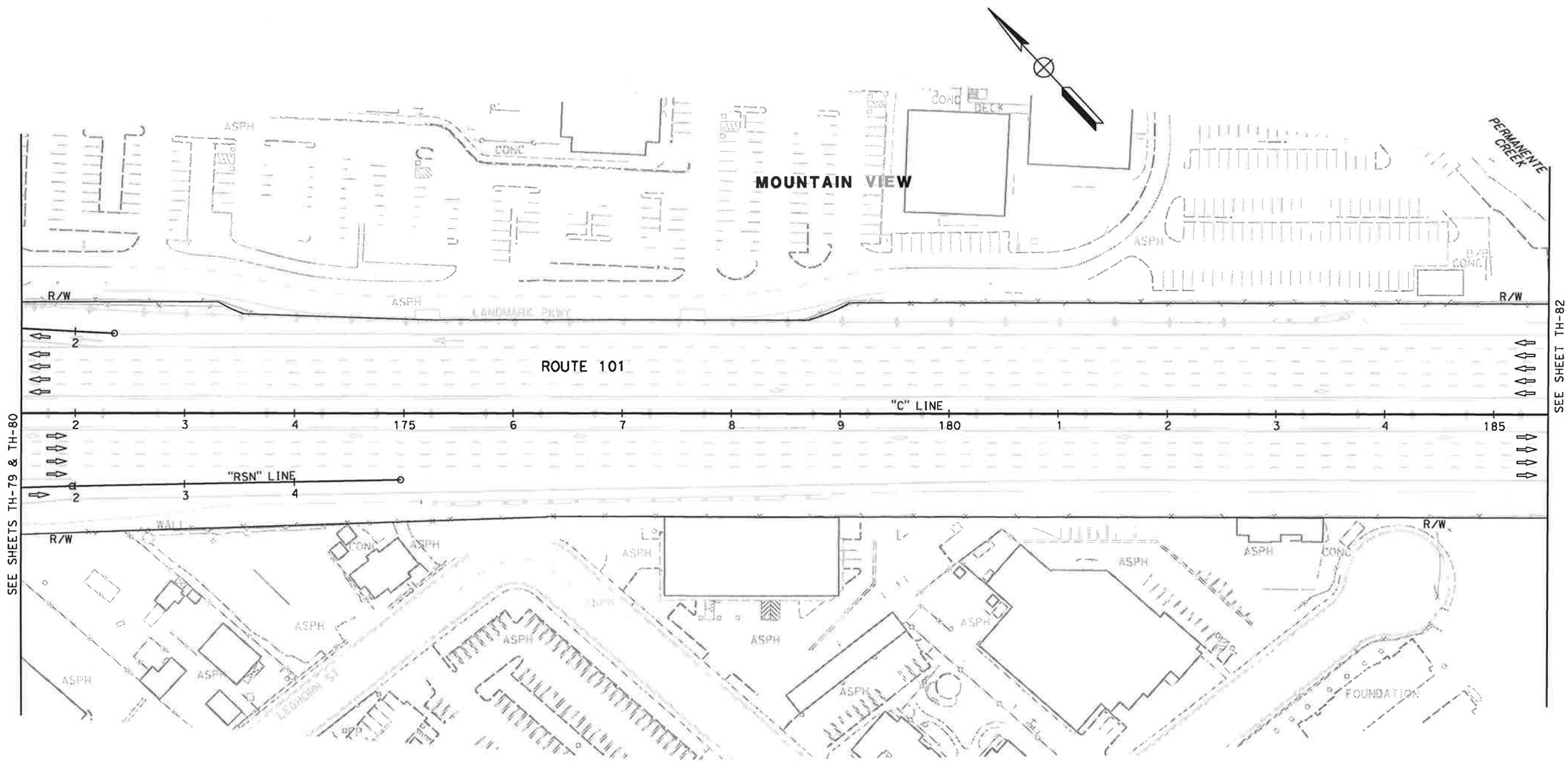
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



FOR NOTES AND LEGEND,
SEE SHEET TH-1

TRAFFIC HANDLING PLAN (STAGE 5)

SCALE: 1" = 50'

TH-81

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE
CALCULATED-DESIGNED BY: NAYAN AMIN
CHECKED BY: RUTA JARIWALA
REVISED BY: N.A.
DATE REVISED: 11/01/10

LAST REVISION 11-01-10
DATE PLOTTED => 11/5/2010
TIME PLOTTED => 1:10:47 PM

BORDER LAST REVISED 7/2/2010
USERNAME => rutvij_patel
DGN FILE => ...\44a331ma081.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 0712
PROJECT NUMBER & PHASE 0400011261

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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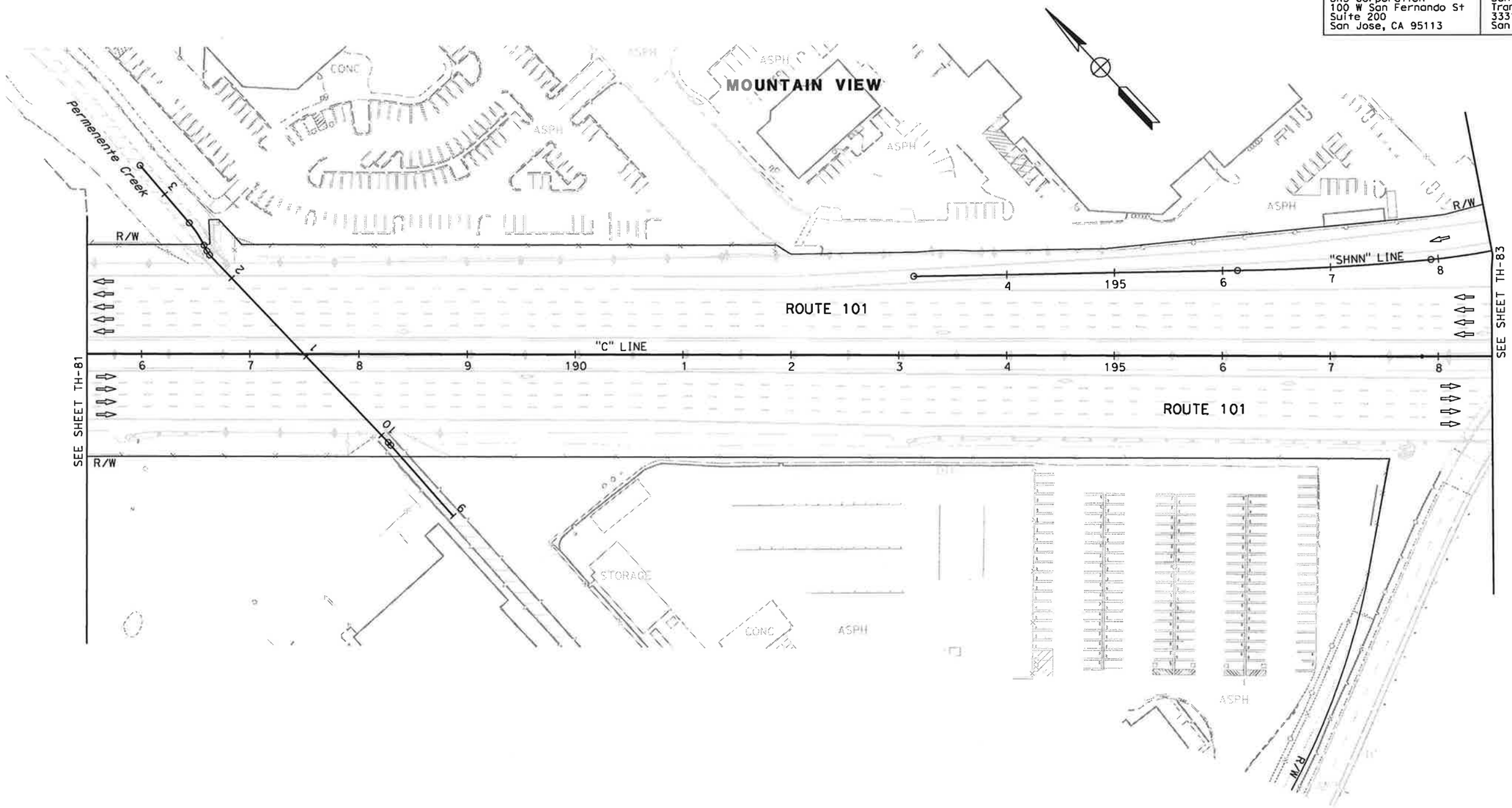
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



FOR NOTES AND LEGEND,
SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 5)

SCALE: 1" = 50'

TH-82

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE

CALCULATED-DESIGNED BY: NAYAN AMIN

CHECKED BY: RUTA JARIWALA

REVISED BY: N.A.

DATE REVISED: 11/01/10

LAST REVISION 11-01-10

DATE PLOTTED => 11/5/2010
TIME PLOTTED => 1:10:49 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCl	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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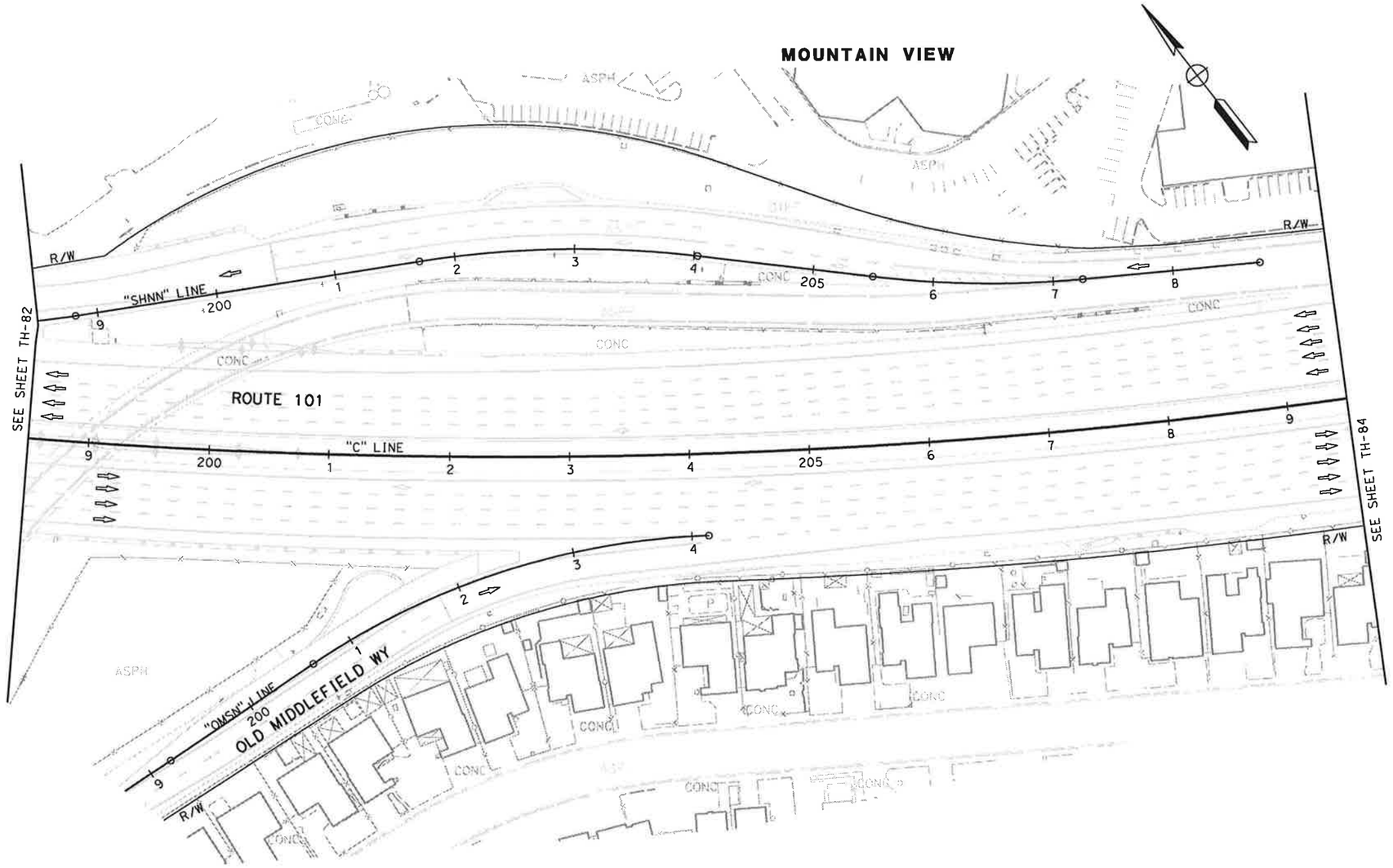

FOR NOTES AND LEGEND,
SEE SHEET TH-1

TRAFFIC HANDLING PLAN (STAGE 5)

SCALE: 1" = 50'

TH-83

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE
CALCULATED-DESIGNED BY: NAYAN AMIN
CHECKED BY: RUTA JARIWALA
REVISED BY: N.A.
DATE REVISED: 11/01/10

LAST REVISION DATE PLOTTED => 11/5/2010
TIME PLOTTED => 11:10:50 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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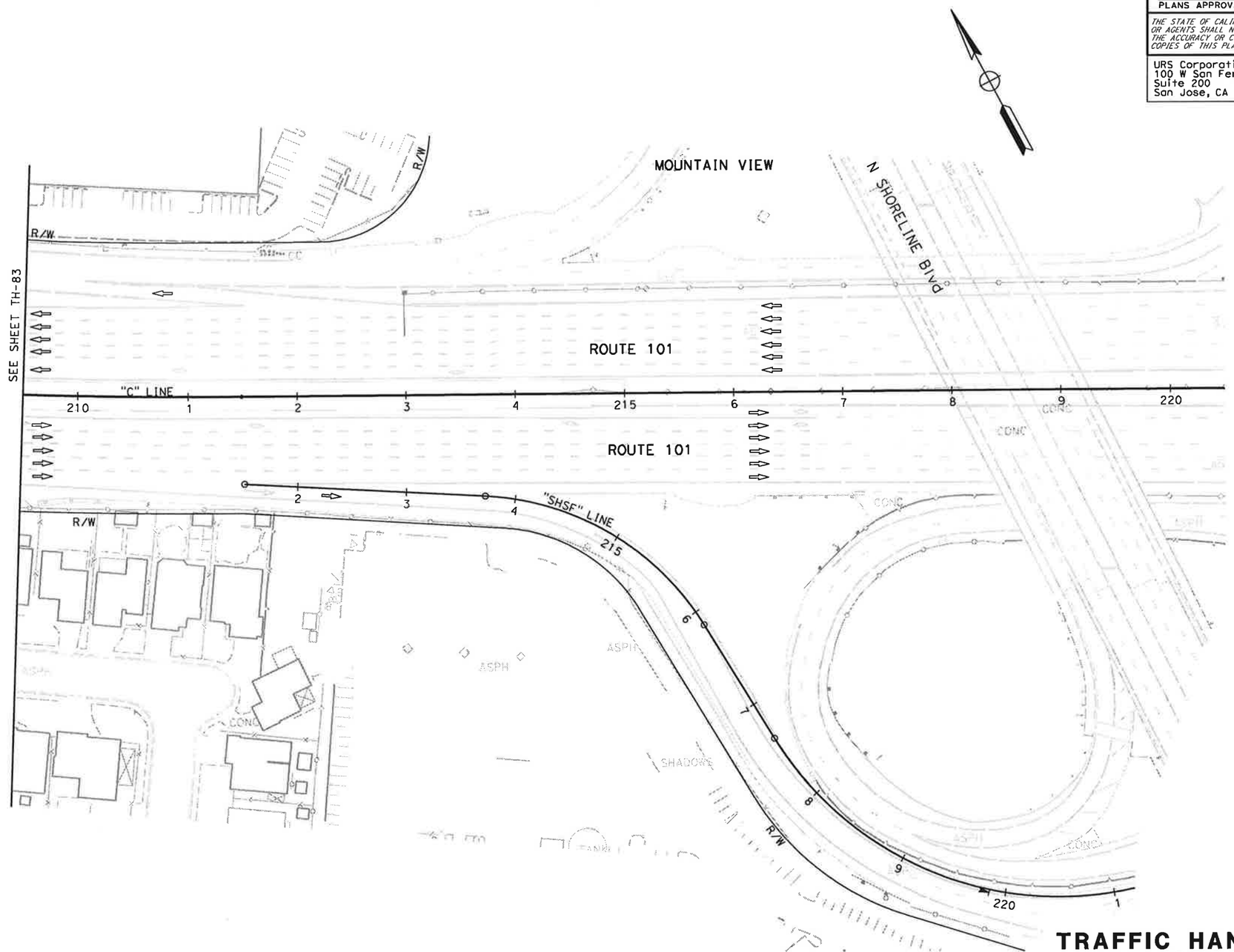

FOR NOTES AND LEGEND,
SEE SHEET TH-1

TRAFFIC HANDLING PLAN (STAGE 5)

SCALE: 1" = 50'

TH-84

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE
CALCULATED-DESIGNED BY: NAYAN AMIN
CHECKED BY: RUTA JARIWALA
REVISED BY: N.A.
DATE REVISED: 11/01/10

LAST REVISION 11-01-10 | DATE PLOTTED => 11/5/2010 | TIME PLOTTED => 11:10:52 PM

BORDER LAST REVISED 7/2/2010 | USERNAME => rutvij_patel | DGN FILE => ...\44a331ma084.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0712 | PROJECT NUMBER & PHASE 0400011261

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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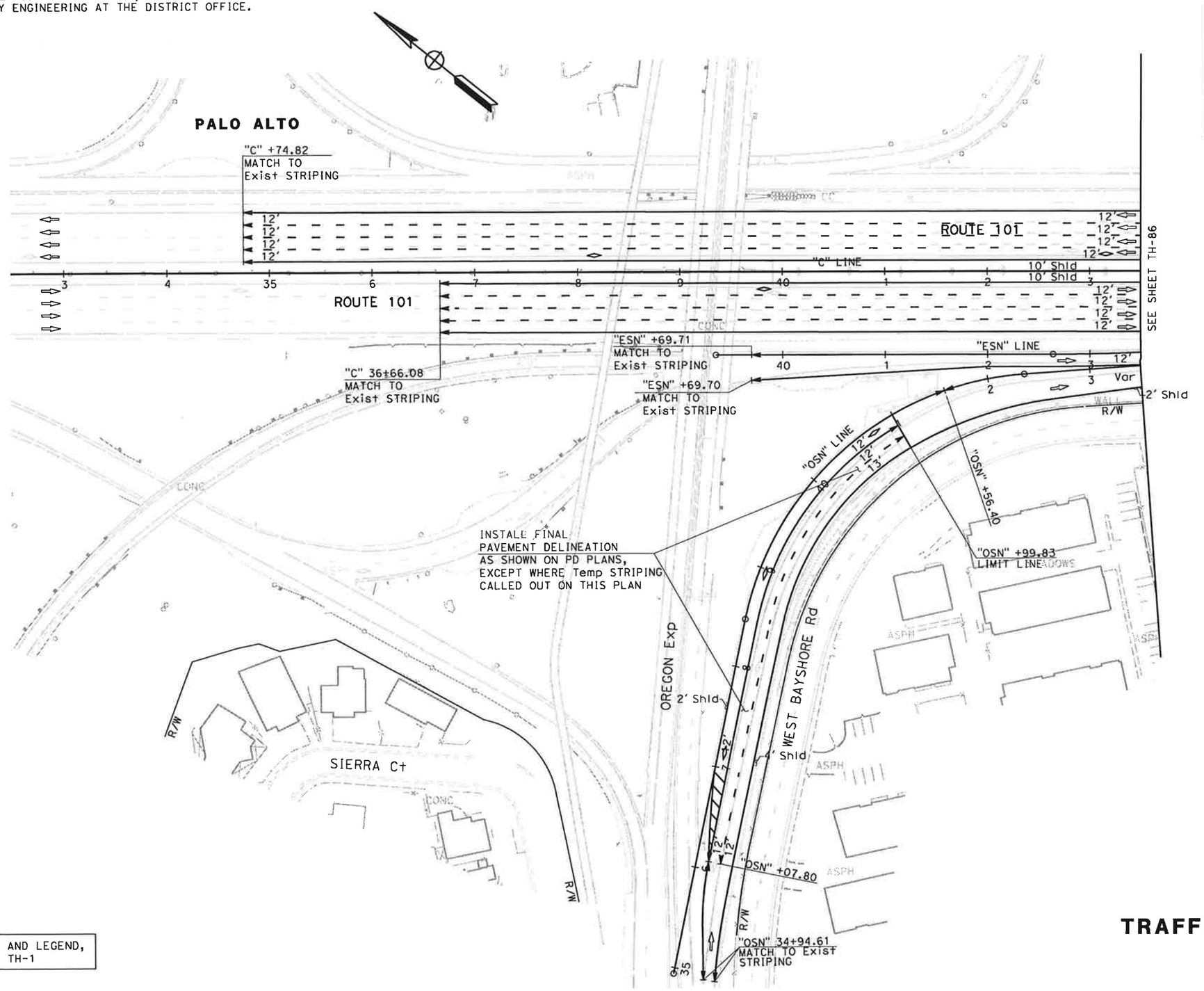

FOR NOTES AND LEGEND,
SEE SHEET TH-1

TRAFFIC HANDLING PLAN (STAGE 6)

SCALE: 1" = 50'

TH-85

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

N.A.	11/01/10
REVISED BY	DATE REVISED
NAYAN AMIN	RUTA JARIWALA
CALCULATED-DESIGNED BY	CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR	CHRISTOPHER LILLIE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

TRAFFIC DESIGN

LAST REVISION 11-01-10 | DATE PLOTTED => 11/5/2010 TIME PLOTTED => 11:10:54 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCl	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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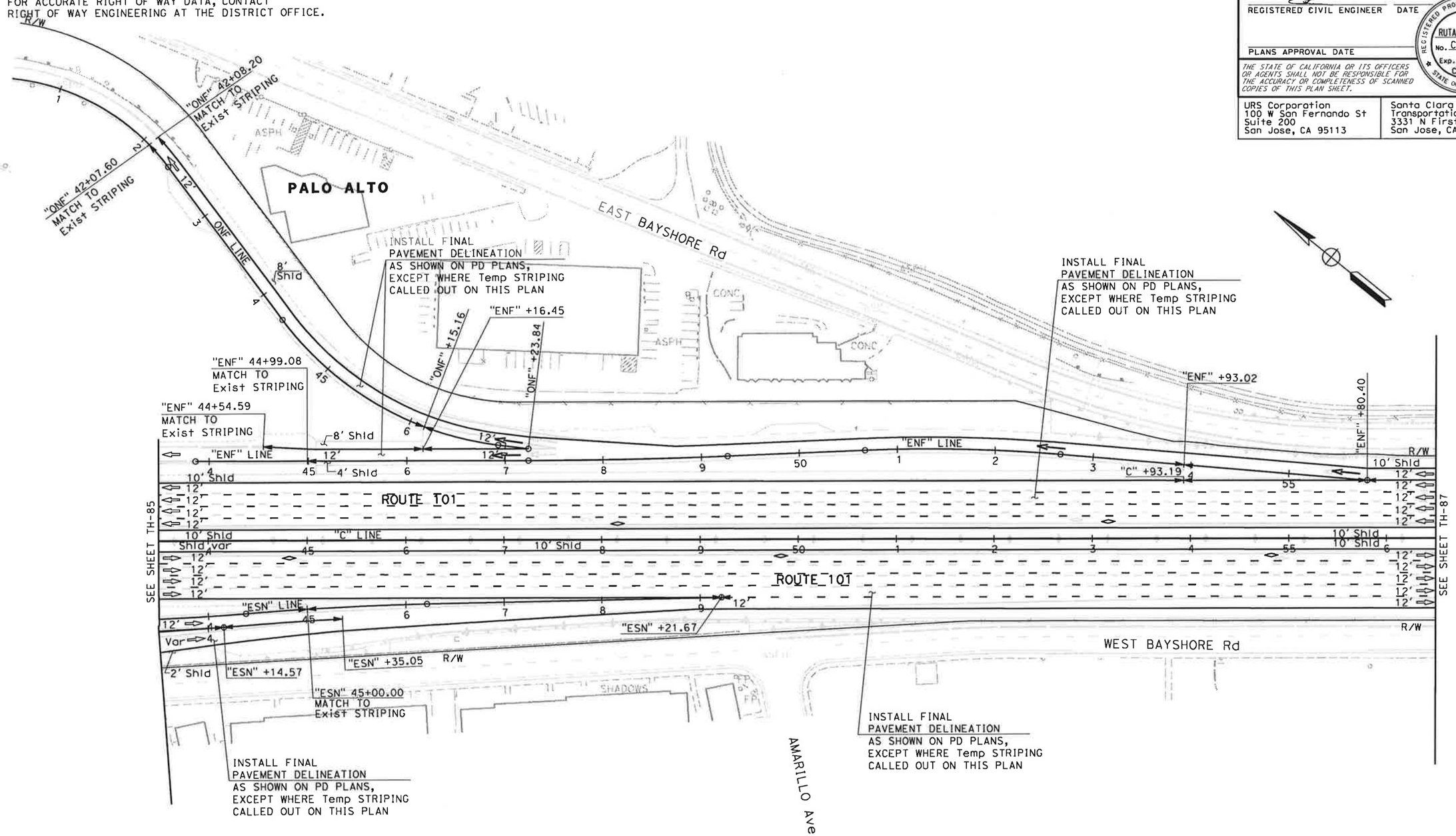

FOR NOTES AND LEGEND, SEE SHEET TH-1

TRAFFIC HANDLING PLAN (STAGE 6)

SCALE: 1" = 50'

TH-86

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	Caltrans	TRAFFIC DESIGN	
CONSULTANT FUNCTIONAL SUPERVISOR	CHRISTOPHER LILLIE		
CALCULATED-DESIGNED BY	NAYAN AMIN	CHECKED BY	RUTA JARIWALA
REVISED BY	N.A.	DATE REVISED	11/01/10

LAST REVISION 11-01-10 | DATE PLOTTED => 11/5/2010 | TIME PLOTTED => 1:10:56 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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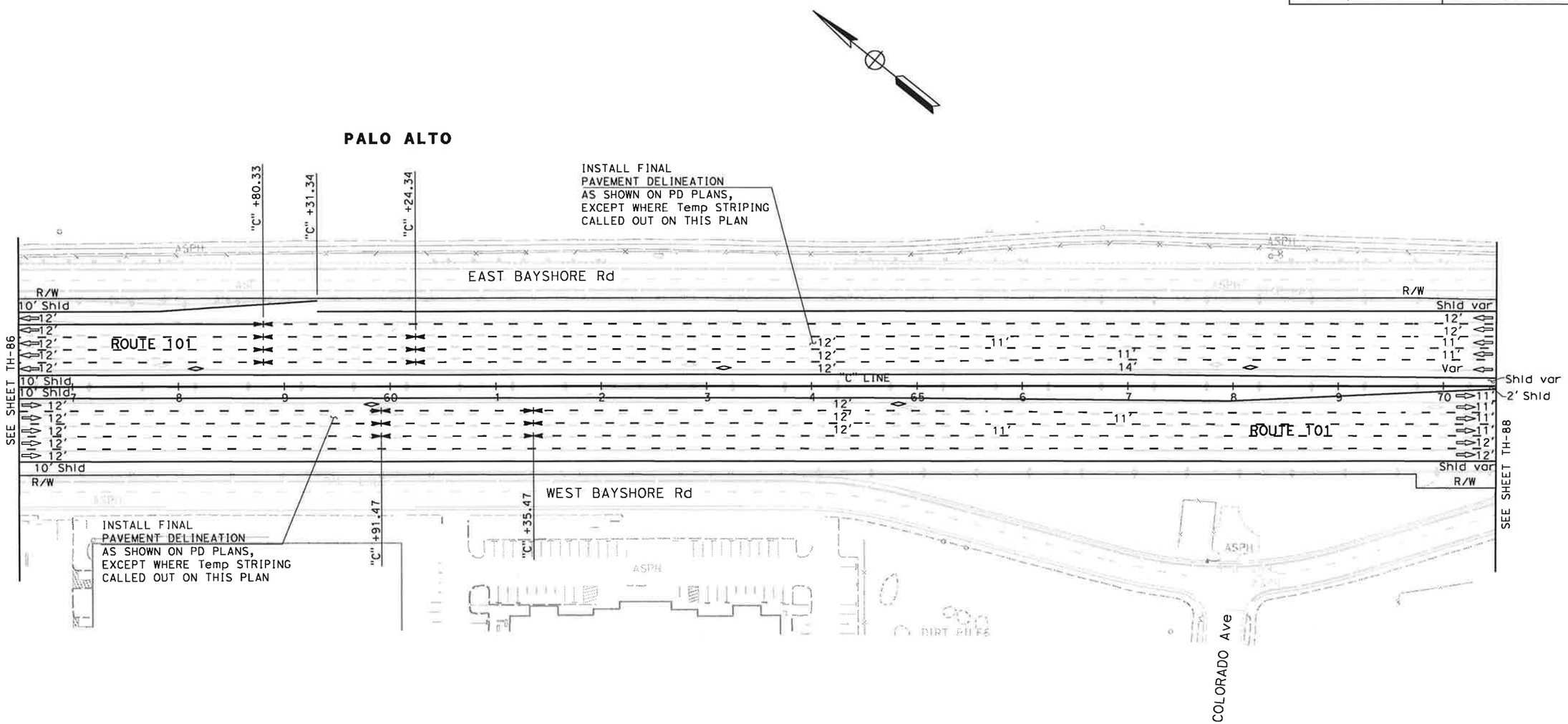

FOR NOTES AND LEGEND,
SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 6)

SCALE: 1" = 50'

TH-87

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE

CALCULATED-DESIGNED BY: NAYAN AMIN

CHECKED BY: RUTA JARIWALA

REVISED BY: N.A.

DATE REVISED: 11/01/10

LAST REVISION: 11-01-10

DATE PLOTTED => 11/5/2010

TIME PLOTTED => 1:10:57 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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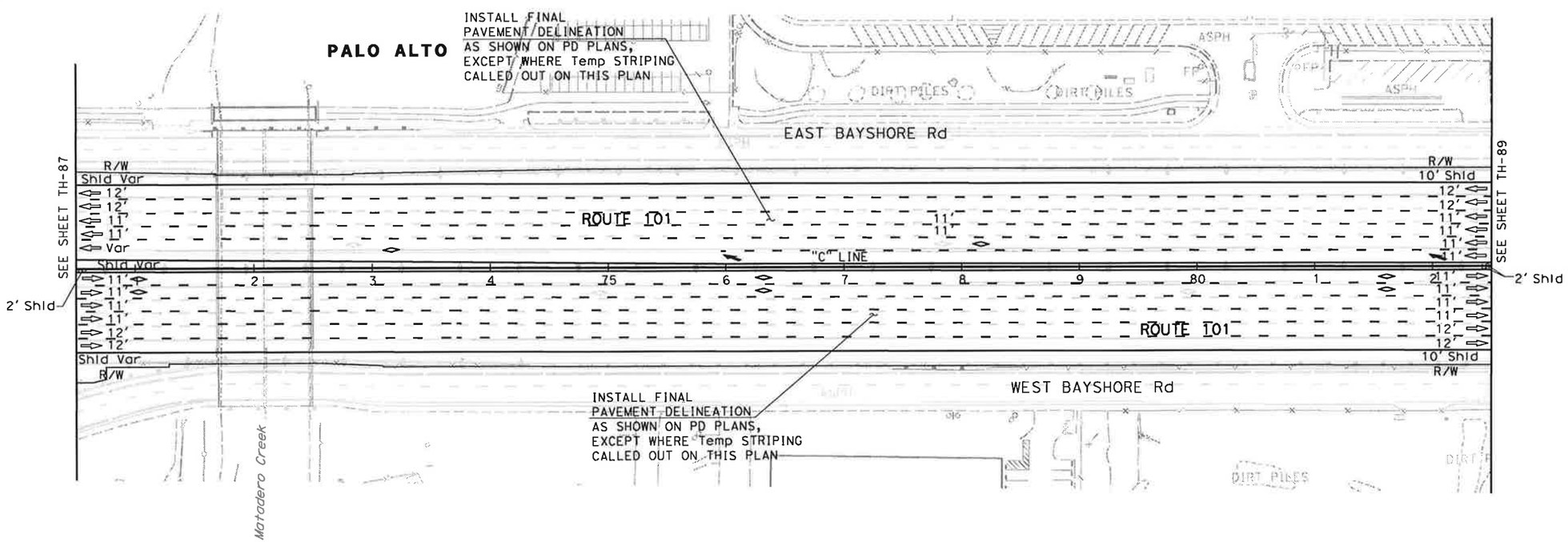
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



FOR NOTES AND LEGEND,
SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 6)

SCALE: 1" = 50'

TH-88

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE

CALCULATED-DESIGNED BY: NAYAN AMIN
CHECKED BY: RUTA JARIWALA

REVISED BY: N.A.
DATE REVISED: 11/01/10

LAST REVISION: DATE PLOTTED => 11/5/2010
TIME PLOTTED => 11:10:59 PM

BORDER LAST REVISED 7/2/2010

USERNAME => rutvij_patel
DGN FILE => ...\44a331ma088.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0712

PROJECT NUMBER & PHASE 0400011261

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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Santa Clara Valley
Transportation Authority
3331 N First Street
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NOTE:

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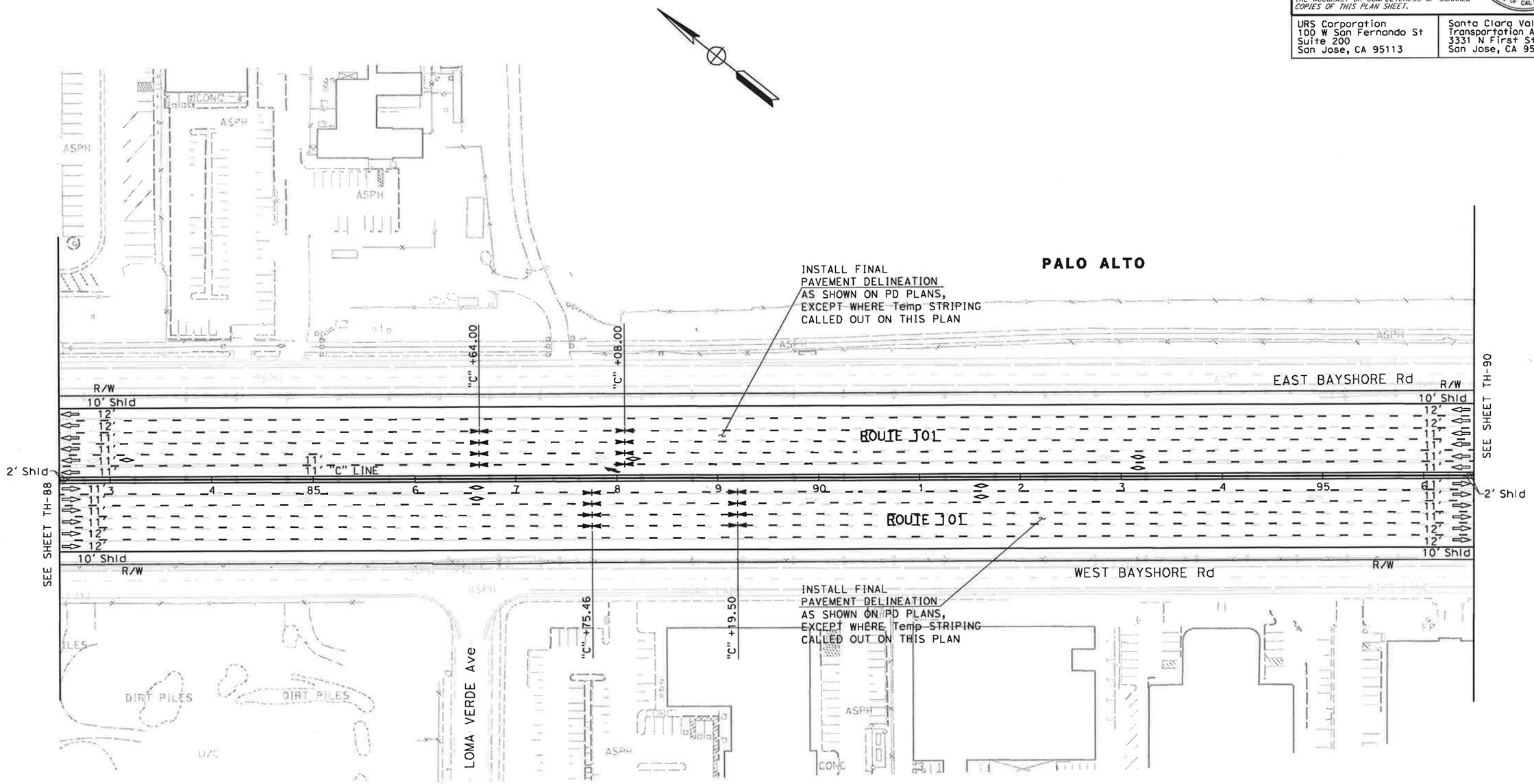
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



FOR NOTES AND LEGEND,
SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 6)

SCALE: 1" = 50'

TH-89

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE

CALCULATED-DESIGNED BY: NAYAN AMIN
CHECKED BY: RUTA JARIWALA

REVISED BY: N.A.
DATE REVISED: 11/01/10

LAST REVISION 11-01-10 DATE PLOTTED => 11/5/2010 TIME PLOTTED => 1:11:00 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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Santa Clara Valley
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NOTE:

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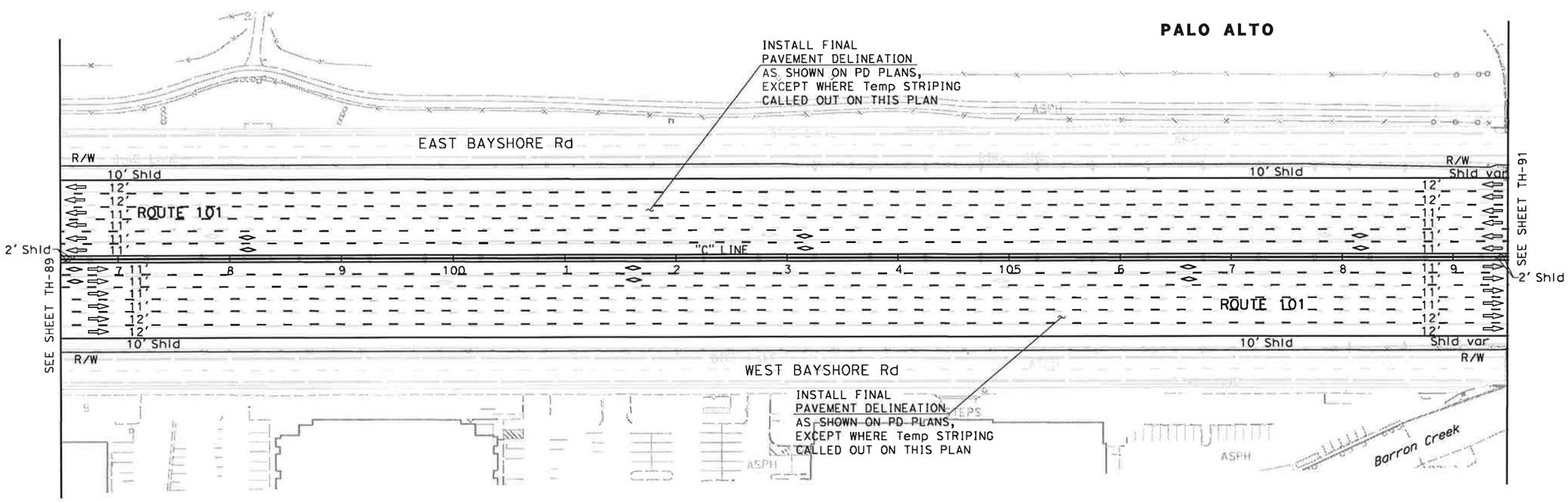
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



FOR NOTES AND LEGEND,
SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 6)

SCALE: 1" = 50'

TH-90

N.A.	11/01/10
REVISED BY	DATE REVISED
NAYAN AMIN	RUTA JARIWALA
CALCULATED-DESIGNED BY	CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR	CHRISTOPHER LILLIE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

TRAFFIC DESIGN

LAST REVISION 11-01-10 | DATE PLOTTED => 11/5/2010 TIME PLOTTED => 11:11:02 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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NOTE:

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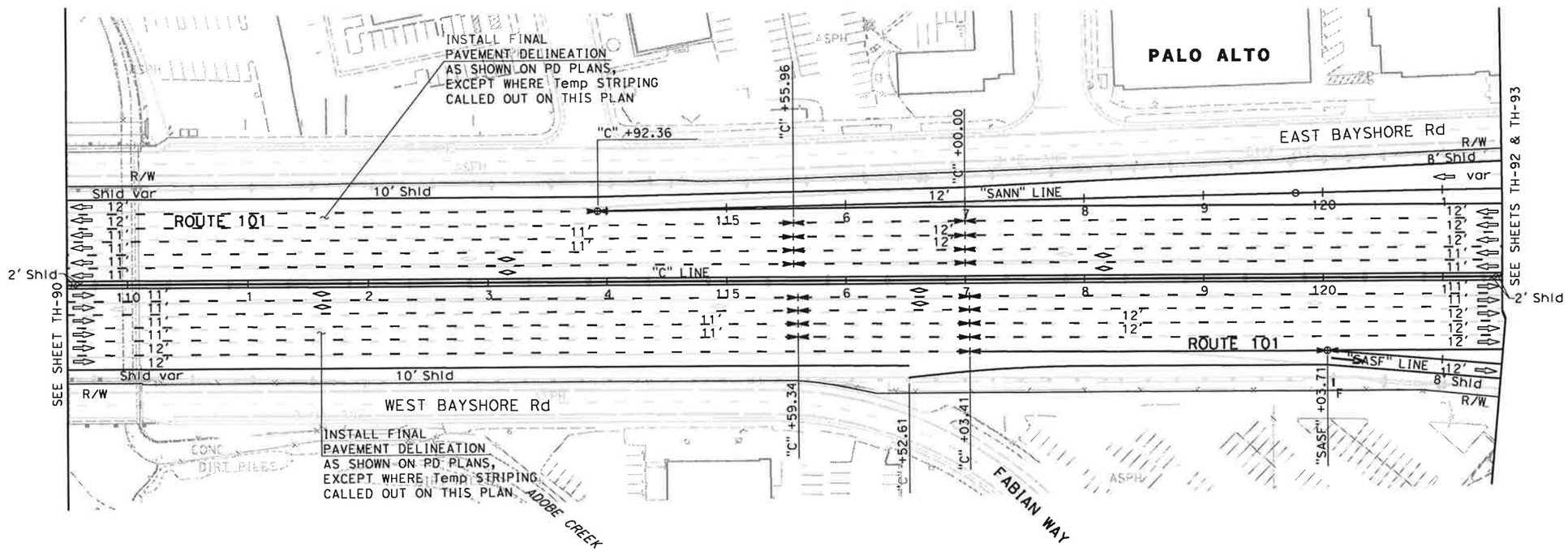

FOR NOTES AND LEGEND,
SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 6)

SCALE: 1" = 50'

TH-91

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE

CALCULATED-DESIGNED BY: NAYAN AMIN
CHECKED BY: RUTA JARIWALA

REVISED BY: N.A.
DATE REVISED: 11/01/10

LAST REVISION DATE PLOTTED => 11/5/2010
TIME PLOTTED => 11:03 PM
11-01-10

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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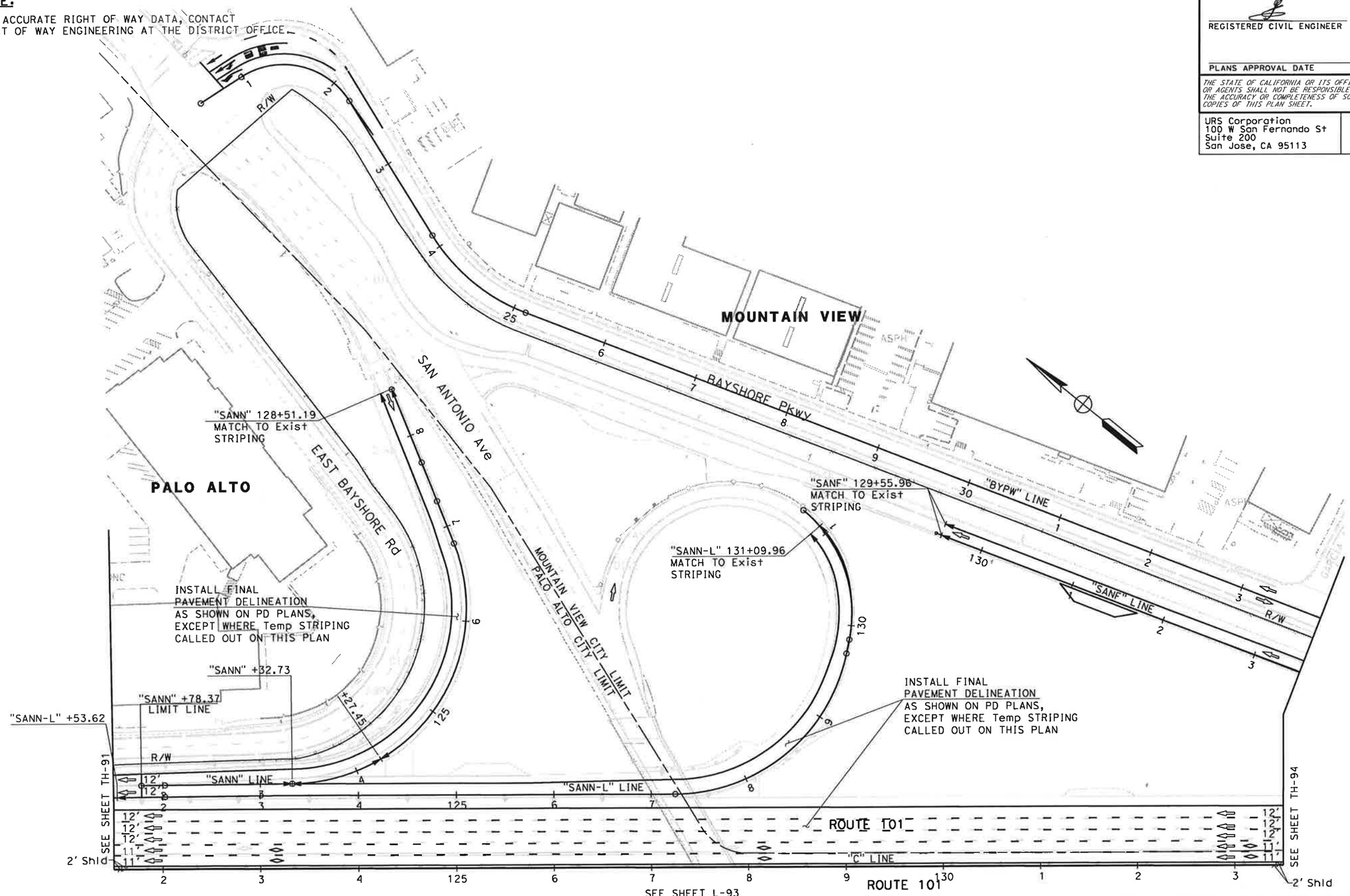
NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



FOR NOTES AND LEGEND, SEE SHEET TH-1

TRAFFIC HANDLING PLAN (STAGE 6)

SCALE: 1" = 50'

TH-92

N.A.	11/01/10
REVISED BY	DATE REVISED
NAYAN AMIN	RUTA JARIWALA
CALCULATED-DESIGNED BY	CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR	CHRISTOPHER LILLIE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans TRAFFIC DESIGN

LAST REVISION 11-01-10 | DATE PLOTTED => 11/5/2010 TIME PLOTTED => 11:05 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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Santa Clara Valley
Transportation Authority
3331 N First Street
San Jose, CA 95134

NOTE:

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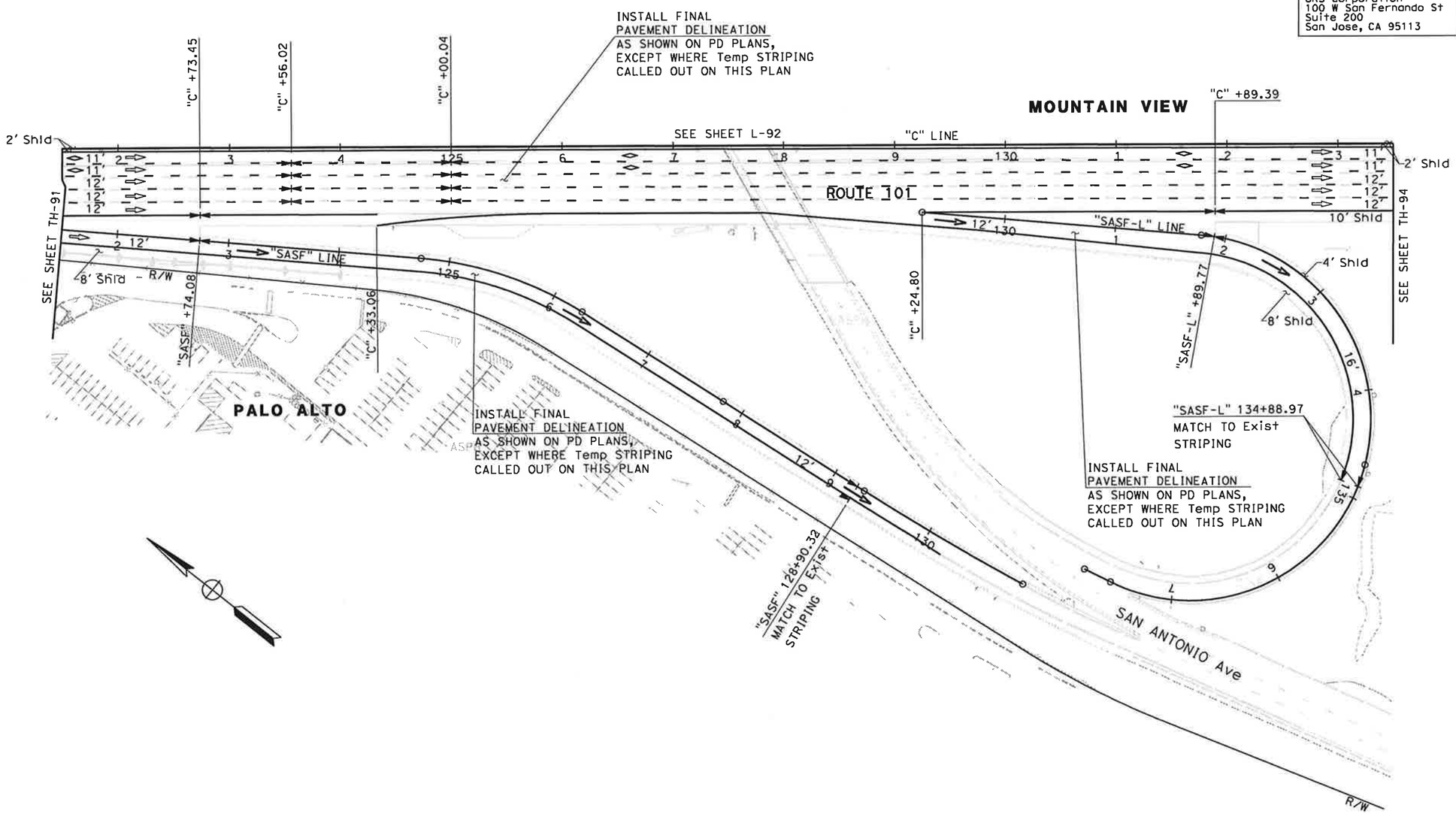
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



FOR NOTES AND LEGEND,
SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 6)

SCALE: 1" = 50'

TH-93

REVISED BY	DATE REVISED
N.A.	11/01/10

CALCULATED-DESIGNED BY: NAYAN AMIN
CHECKED BY: RUTA JARIWALA
CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

LAST REVISION 11-01-10
DATE PLOTTED => 11/5/2010
TIME PLOTTED => 1:11:06 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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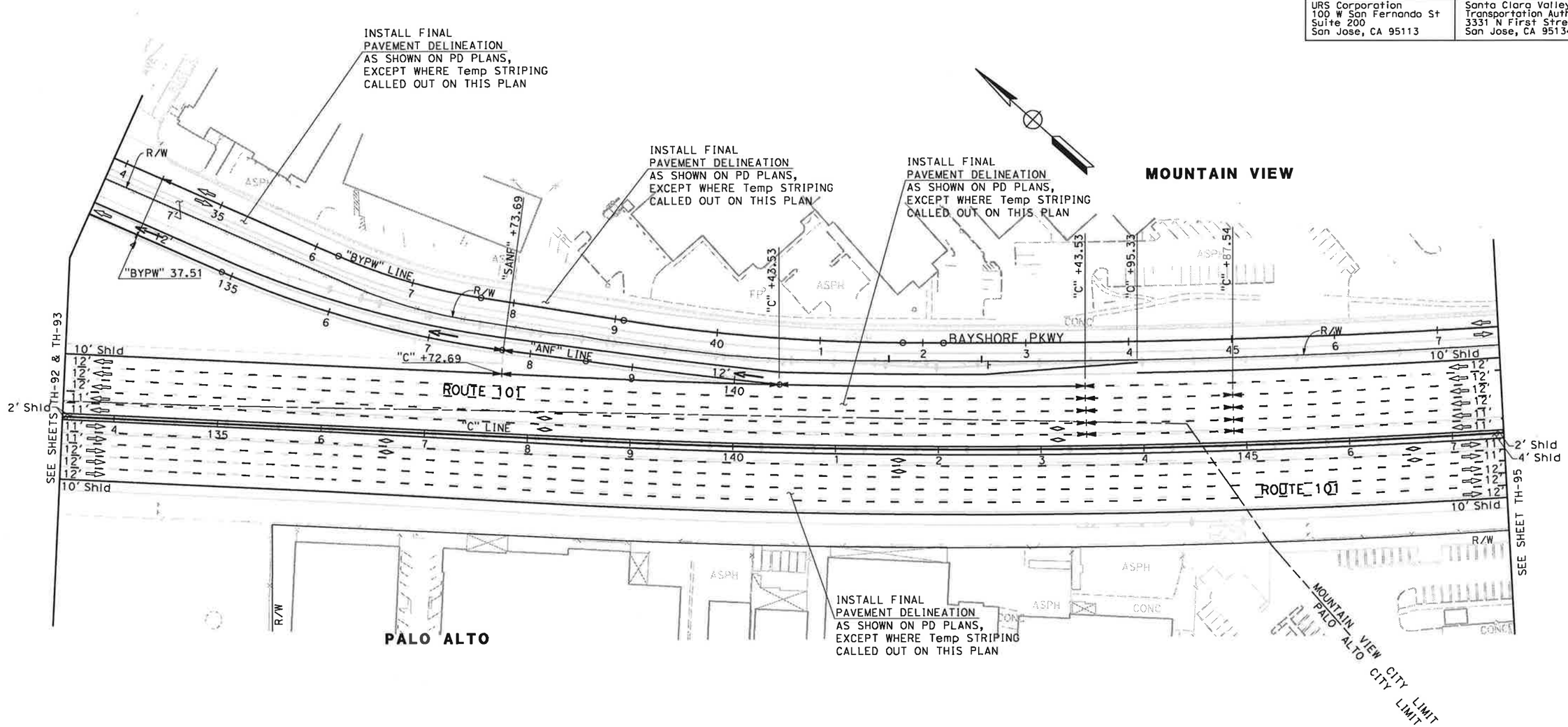

FOR NOTES AND LEGEND, SEE SHEET TH-1

TRAFFIC HANDLING PLAN (STAGE 6)

SCALE: 1" = 50'

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TH-94

REVISED BY	DATE REVISED
N.A.	11/01/10

CALCULATED-DESIGNED BY: NAYAN AMIN
CHECKED BY: RUTA JARIWALA
CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

LAST REVISION 11-01-10 DATE PLOTTED => 11/5/2010 TIME PLOTTED => 11:11:08 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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NOTE:

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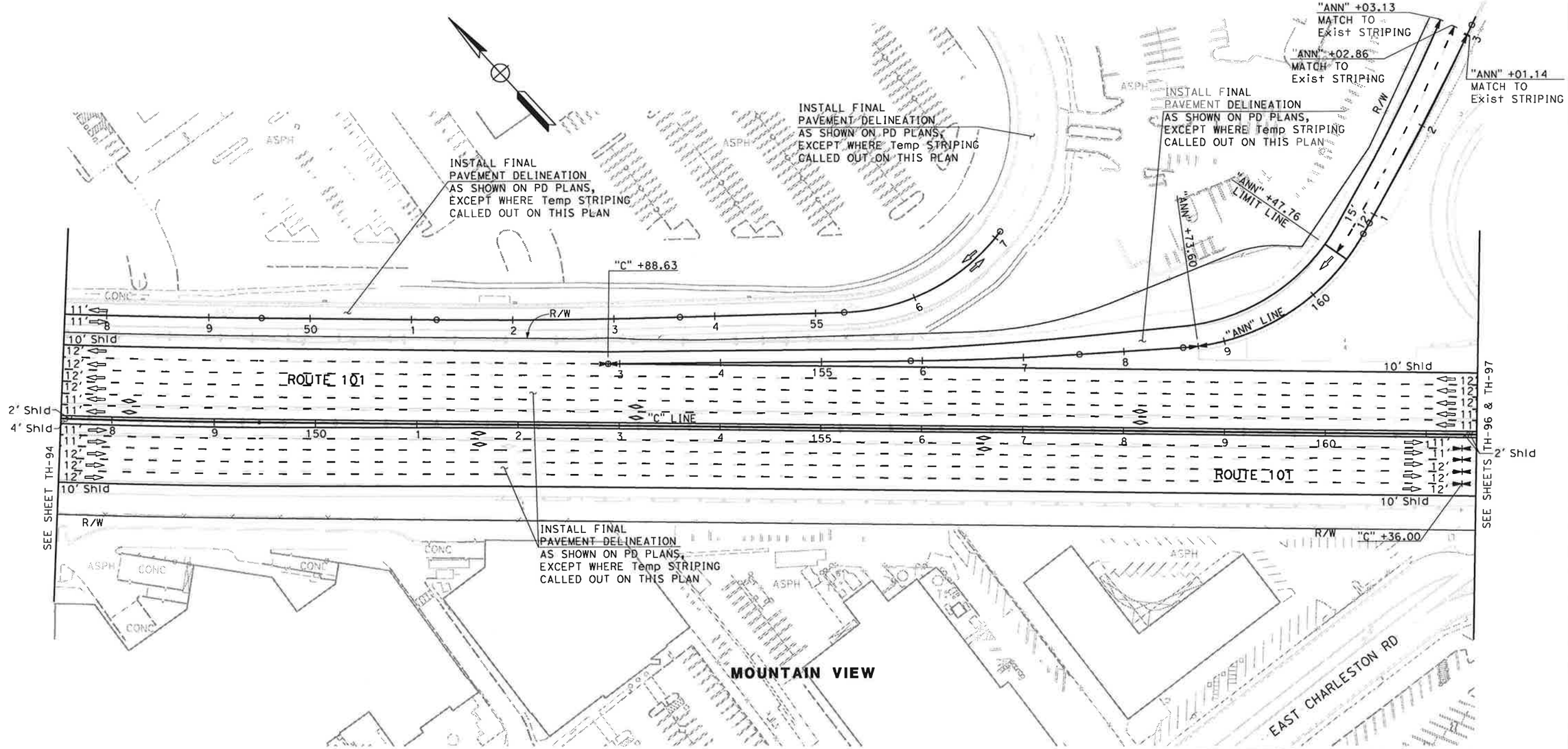
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



FOR NOTES AND LEGEND, SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 6)

SCALE: 1" = 50'

TH-95

REVISED BY	DATE REVISED
N.A.	11/01/10

CALCULATED-DESIGNED BY: NAYAN AMIN
CHECKED BY: RUTA JARIWALA

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

LAST REVISION 11-01-10
DATE PLOTTED => 11/5/2010
TIME PLOTTED => 1:11:09 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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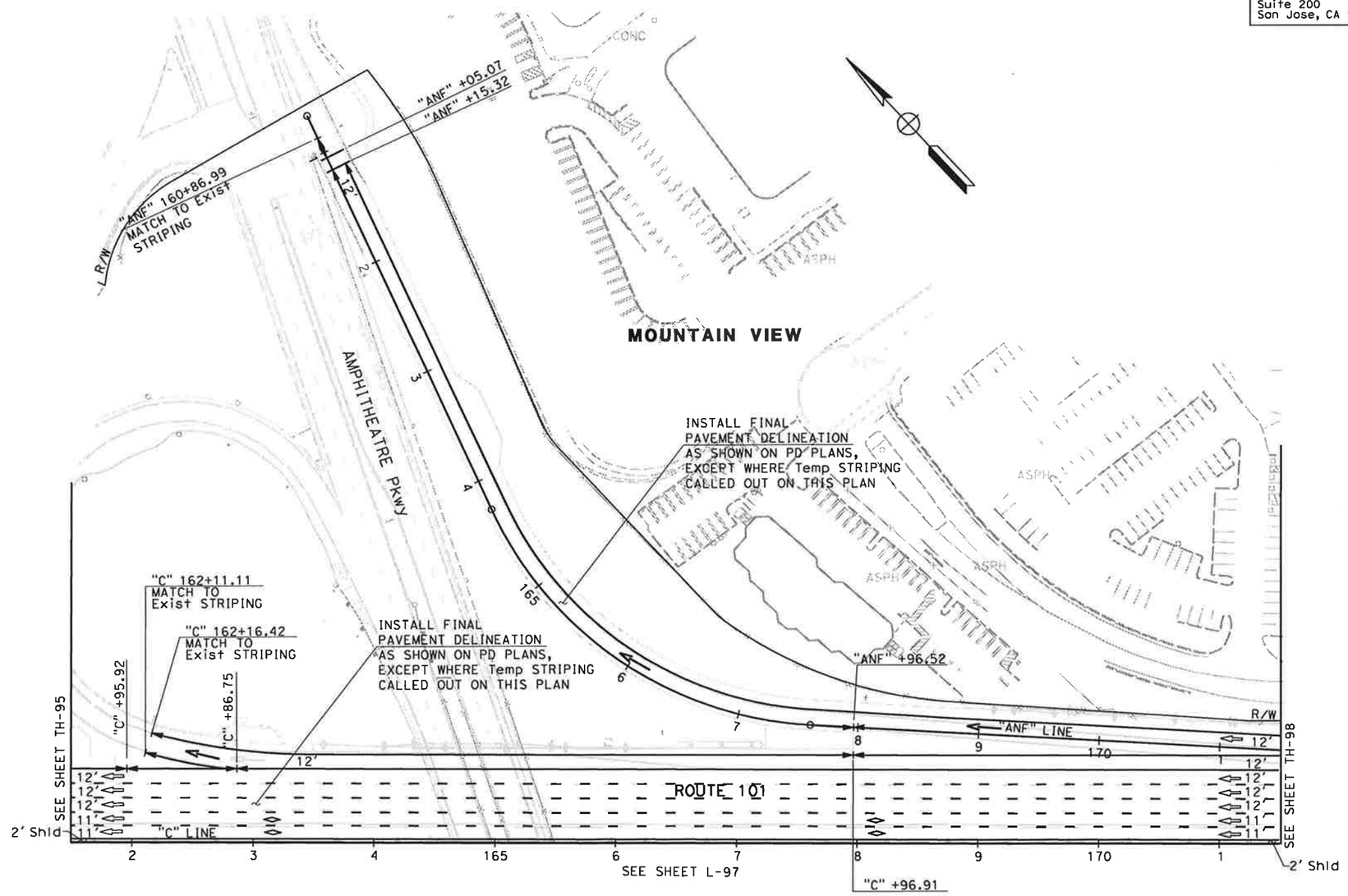
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



FOR NOTES AND LEGEND,
SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 6)

SCALE: 1" = 50'

TH-96

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE
CALCULATED-DESIGNED BY: NAYAN AMIN
CHECKED BY: RUTA JARIWALA
REVISED BY: N.A.
DATE REVISED: 11/01/10

LAST REVISION 11-01-10 | DATE PLOTTED => 11/5/2010 | TIME PLOTTED => 1:11:11 PM

BORDER LAST REVISED 7/2/2010 | USERNAME => rutvij_patel | DGN FILE => ...\44a331ma096.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0712 | PROJECT NUMBER & PHASE 0400011261

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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NOTE:

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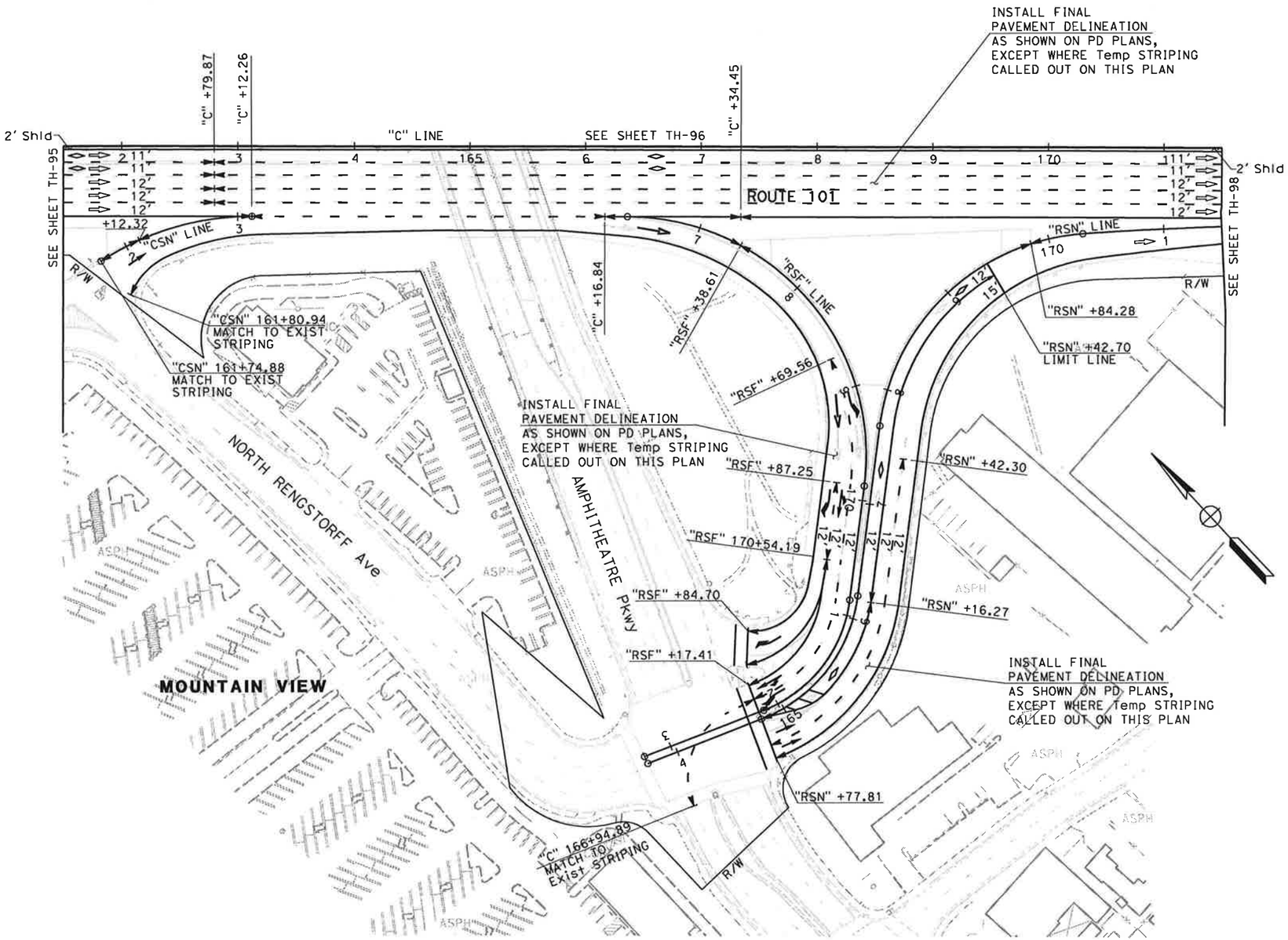

FOR NOTES AND LEGEND, SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 6)

SCALE: 1" = 50'

TH-97

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE
CALCULATED-DESIGNED BY: NAYAN AMIN
CHECKED BY: RUTA JARIWALA
REVISED BY: N.A.
DATE REVISED: 11/01/10

LAST REVISION 11-01-10
DATE PLOTTED => 11/5/2010
TIME PLOTTED => 1:11:13 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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NOTE:

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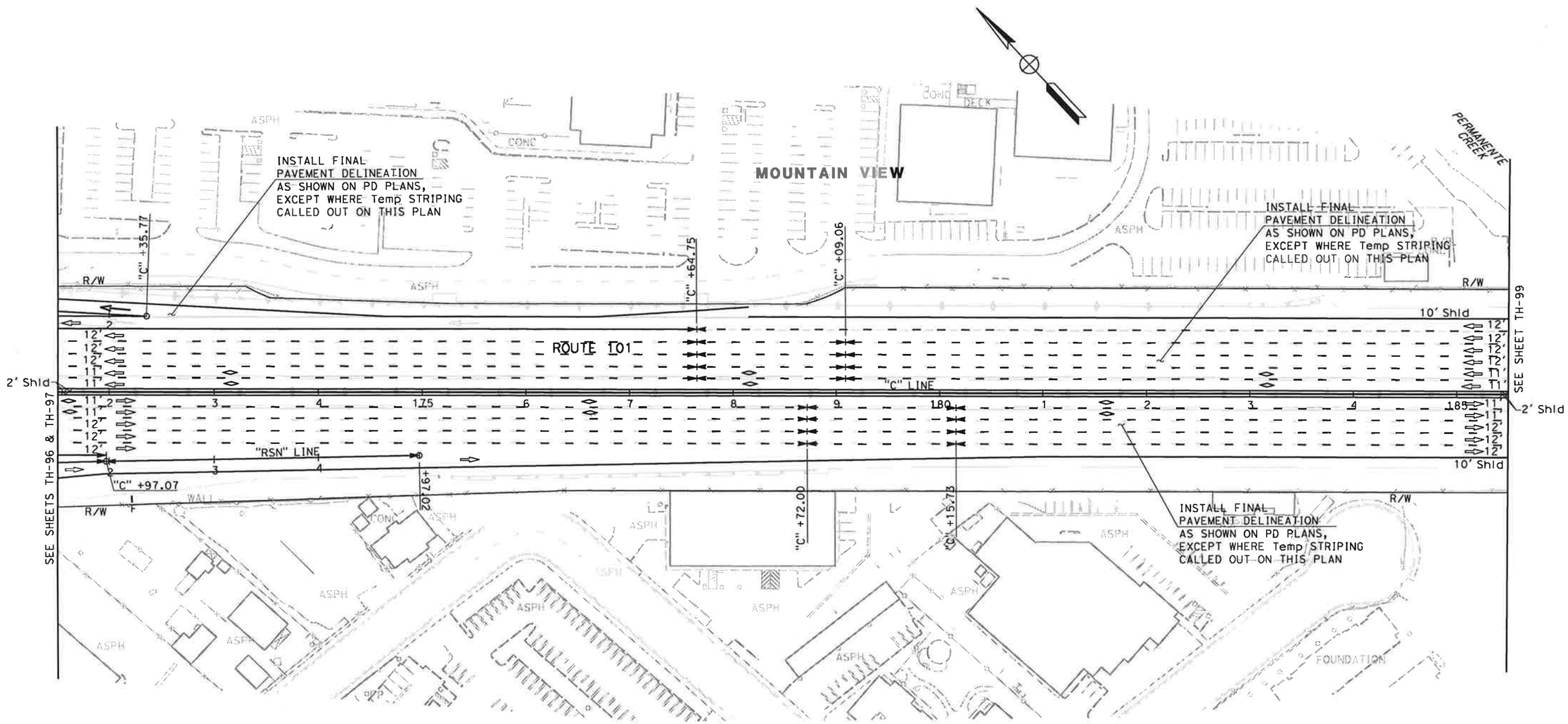
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



FOR NOTES AND LEGEND, SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 6)

SCALE: 1" = 50'

TH-98

REVISED BY	N.A.
DATE REVISED	11/01/10
NAYAN AMIN	
RUTA JARIWALA	
CALCULATED-DESIGNED BY	
CHECKED BY	
CONSULTANT FUNCTIONAL SUPERVISOR	
CHRISTOPHER LILLIE	

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans TRAFFIC DESIGN

LAST REVISION 11-01-10 DATE PLOTTED => 11/5/2010 TIME PLOTTED => 1:11:14 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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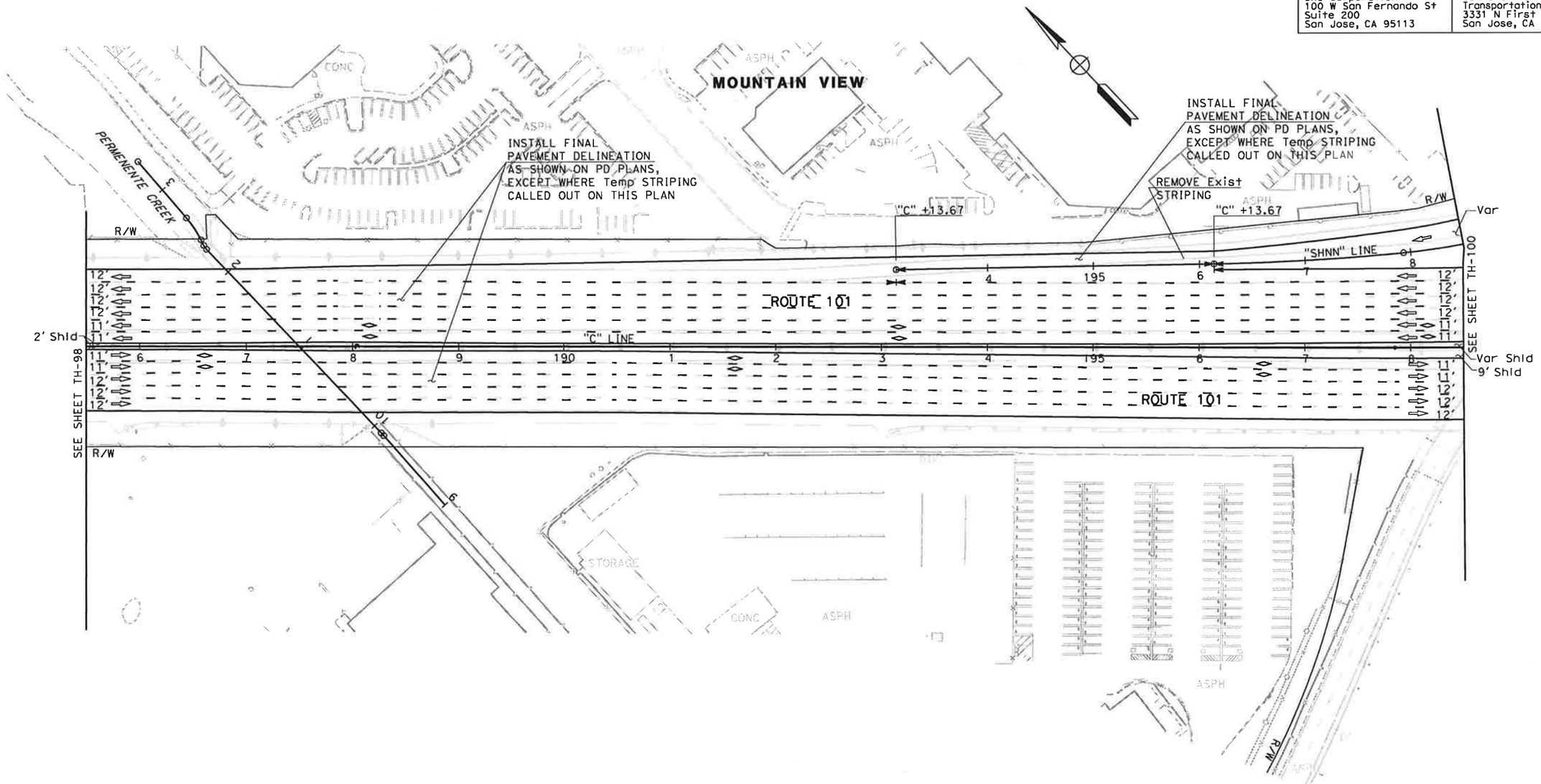
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



FOR NOTES AND LEGEND,
SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 6)

SCALE: 1" = 50'

TH-99

N.A.	11/01/10
REVISED BY	DATE REVISED
NAYAN AMIN	RUTA JARIWALA
CALCULATED-DESIGNED BY	CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR	CHRISTOPHER LILLIE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

LAST REVISION 11-01-10 | DATE PLOTTED => 11/5/2010 TIME PLOTTED => 1:11:16 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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NOTE:

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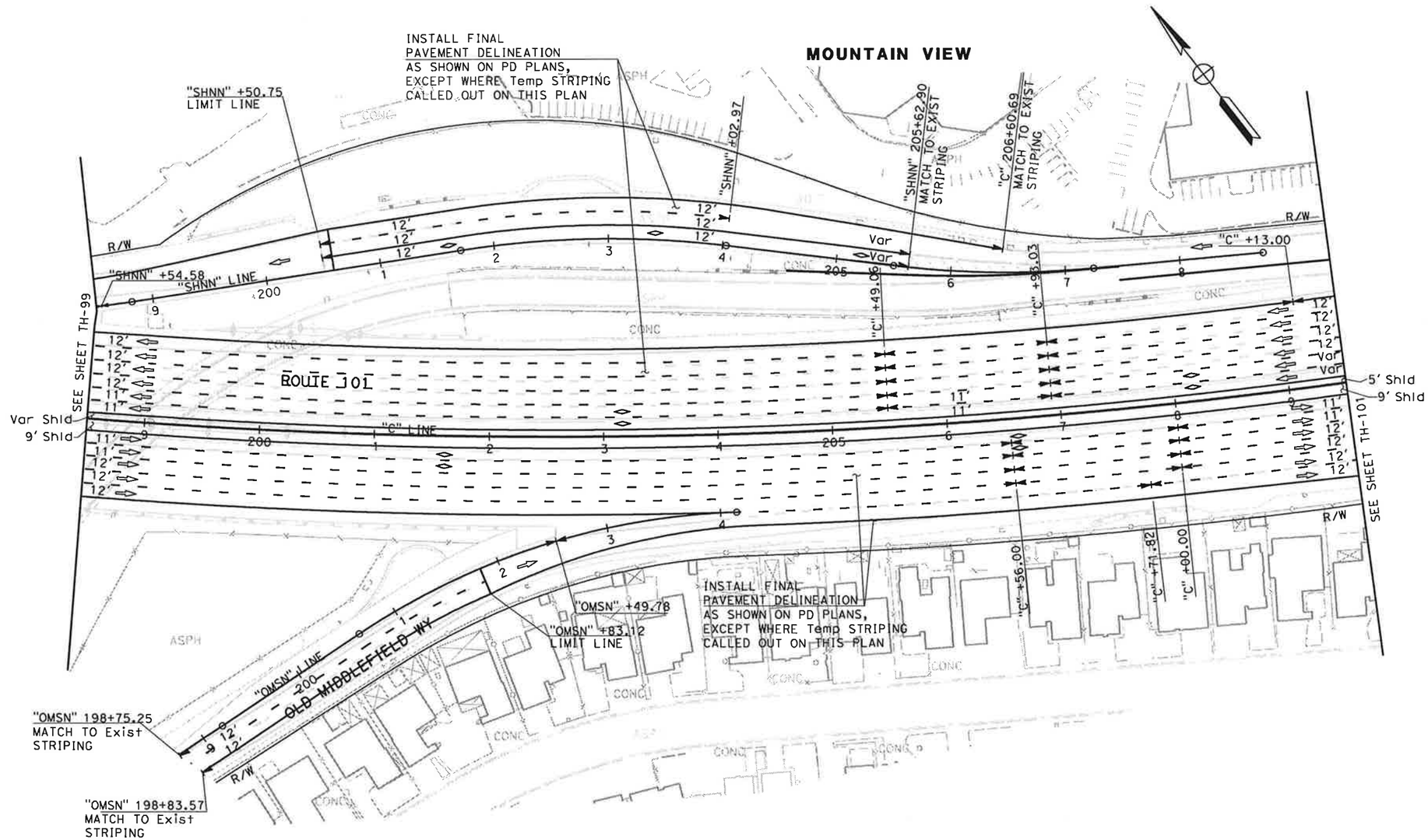
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



FOR NOTES AND LEGEND,
SEE SHEET TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN (STAGE 6)

SCALE: 1" = 50'

TH-100

REVISED BY	DATE REVISED
N.A.	11/01/10

CALCULATED-DESIGNED BY: NAYAN AMIN
CHECKED BY: RUTA JARIWALA
CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

LAST REVISION 11-01-10
DATE PLOTTED => 11/5/2010
TIME PLOTTED => 11:11:17 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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NOTE:

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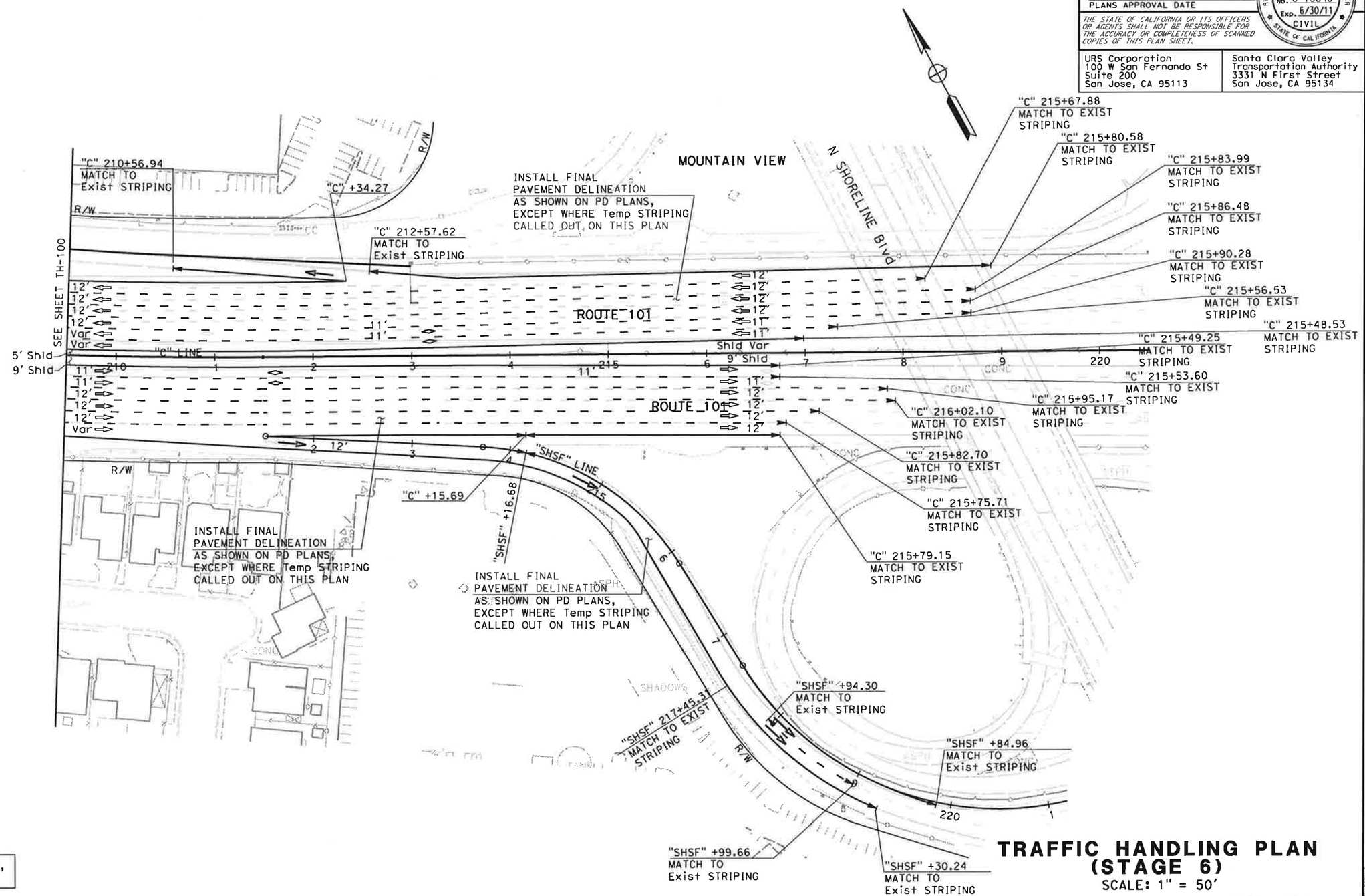

FOR NOTES AND LEGEND, SEE SHEET TH-1

TRAFFIC HANDLING PLAN (STAGE 6)

SCALE: 1" = 50'

TH-101

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE
CALCULATED-DESIGNED BY: NAYAN AMIN
CHECKED BY: RUTA JARIWALA
REVISED BY: N.A.
DATE REVISED: 11/01/10

LAST REVISION 11-01-10
DATE PLOTTED => 11/5/2010
TIME PLOTTED => 1:11:19 PM

BORDER LAST REVISED 7/2/2010
USERNAME => rutvij_patel
DGN FILE => ...\44a331ma101.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 0712
PROJECT NUMBER & PHASE 0400011261

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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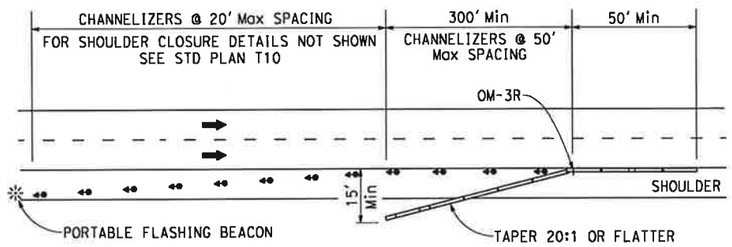
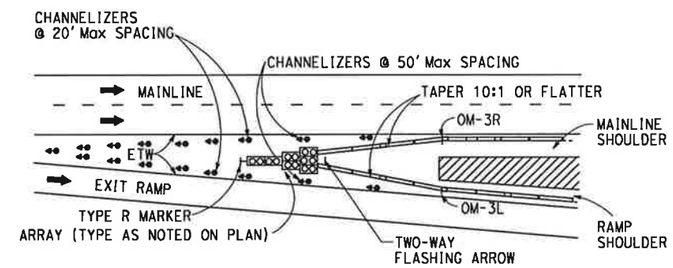
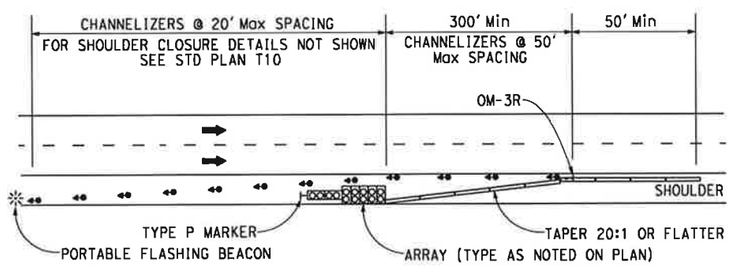


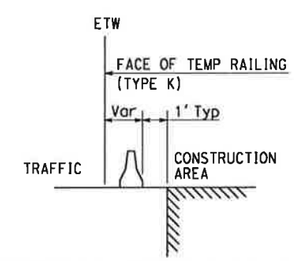
TYPICAL LONG TERM SHOULDER CLOSURE DETAIL
MIRROR IMAGE FOR OPPOSITE DIRECTION



TYPICAL LONG TERM SHOULDER CLOSURE AT EXIT RAMP DETAIL
MIRROR IMAGE FOR OPPOSITE DIRECTION



TYPICAL LONG TERM SHOULDER CLOSURE DETAIL (WITH CRASH CUSHION)
MIRROR IMAGE FOR OPPOSITE DIRECTION



TYPICAL TEMP RAILING (TYPE K) DETAIL

FOR NOTES, ABBREVIATIONS &/OR LEGEND SEE SHEET TH-1.

TRAFFIC HANDLING PLAN
NO SCALE

TH-102

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE
CALCULATED-DESIGNED BY: NAYAN AMIN
CHECKED BY: RUTA JARIWALA
REVISED BY: N.A.
DATE REVISED: 11/01/10

LAST REVISION 11-01-10
DATE PLOTTED => 11/5/2010
TIME PLOTTED => 1:11:20 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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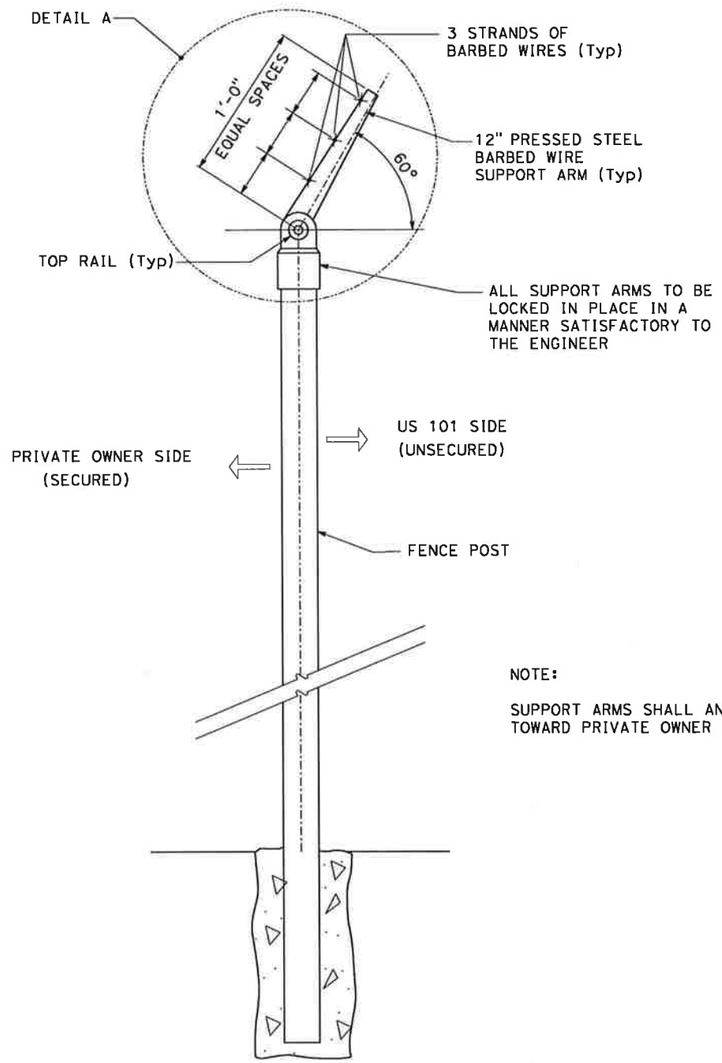
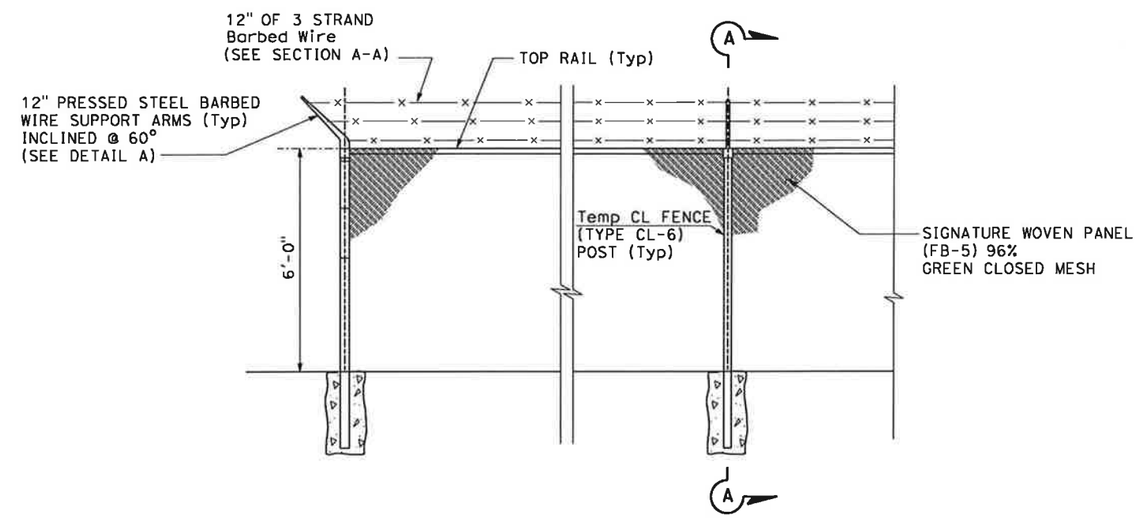
Transportation Authority
3331 N First Street
San Jose, CA 95134



NOTE:

SUPPORT ARMS SHALL ANGLE TOWARD PRIVATE OWNER SIDE.

SECTION A-A



TEMPORARY BARBED WIRE FENCE DETAIL

THIS PLAN ACCURATE FOR TRAFFIC HANDLING ONLY

TRAFFIC HANDLING PLAN

NO SCALE

TH-103

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE
CALCULATED-DESIGNED BY: NAYAN AMIN
CHECKED BY: RUTA JARIWALA
REVISED BY: N.A.
DATE REVISED: 11/01/10

LAST REVISION 11-01-10
DATE PLOTTED => 11/5/2010
TIME PLOTTED => 1:11:21 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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100 W San Fernando St
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San Jose, CA 95113

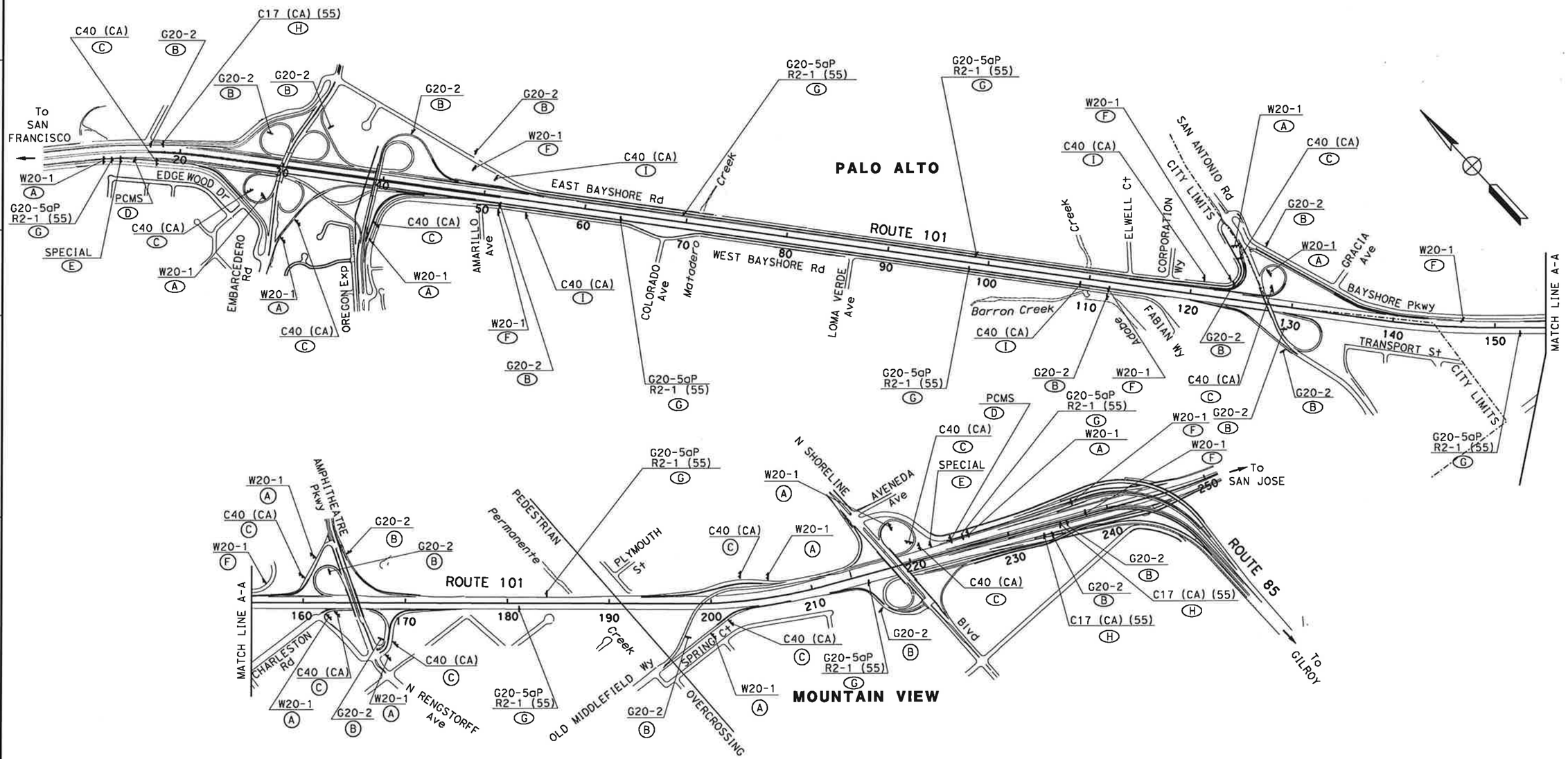
Santa Clara Valley
Transportation Authority
3331 N First Street
San Jose, CA 95134

NOTES

1. LOCATION OF CONSTRUCTION AREA SIGNS SHOWN ARE APPROXIMATE, EXACT LOCATION AND POSITION OF SIGNS TO BE DETERMINED BY THE ENGINEER.
2. FOR SPECIAL SIGN DETAILS, SEE SHEET CS-22 THRU CS-26.
3. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.
4. DURING AN EVENT AT THE AMPHITHEATRE, THIS RAMP SHALL REMAIN OPEN DURING CLOSURE HOURS. ADJACENT RAMPS TO THE NORTH AND SOUTH OF THIS RAMP SHALL ALSO REMAIN OPEN.

LEGEND

- ONE POST CONSTRUCTION AREA SIGN LOCATION
- TWO POST CONSTRUCTION AREA SIGN LOCATION
- DIRECTION OF DETOUR
- PCMS PORTABLE CHANGEABLE MESSAGE SIGN
- ✱ CONSTRUCTION AREA CLOSED TO TRAFFIC
- (X) CONSTRUCTION AREA SIGN NUMBER



CONSTRUCTION AREA SIGNS

NO SCALE

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY

CS-01

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE
CALCULATED-DESIGNED BY: AILEEN CABICO
CHECKED BY: RUTA JARIWALA
REVISED BY
DATE REVISED

LAST REVISION 10-20-10 | DATE PLOTTED => 11/5/2010 | TIME PLOTTED => 1:02:20 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

URS Corporation
100 W San Fernando St
Suite 200
San Jose, CA 95113

Santa Clara Valley
Transportation Authority
3331 N First Street
San Jose, CA 95134

NOTES

1. THE PCMS SHOULD BE INSTALLED AND TURNED ON SEVEN (7) DAYS PRIOR TO US 101 SB ON-RAMP CLOUSURE. THE PCMS MESSAGE SHOULD READ.....

US 101 SB ON-RAMP CLOSED ON → DATE & TIME

2. DURING US 101 SB ON-RAMP CLOSURE, THE PCMS MESSAGE SHOULD READ.....

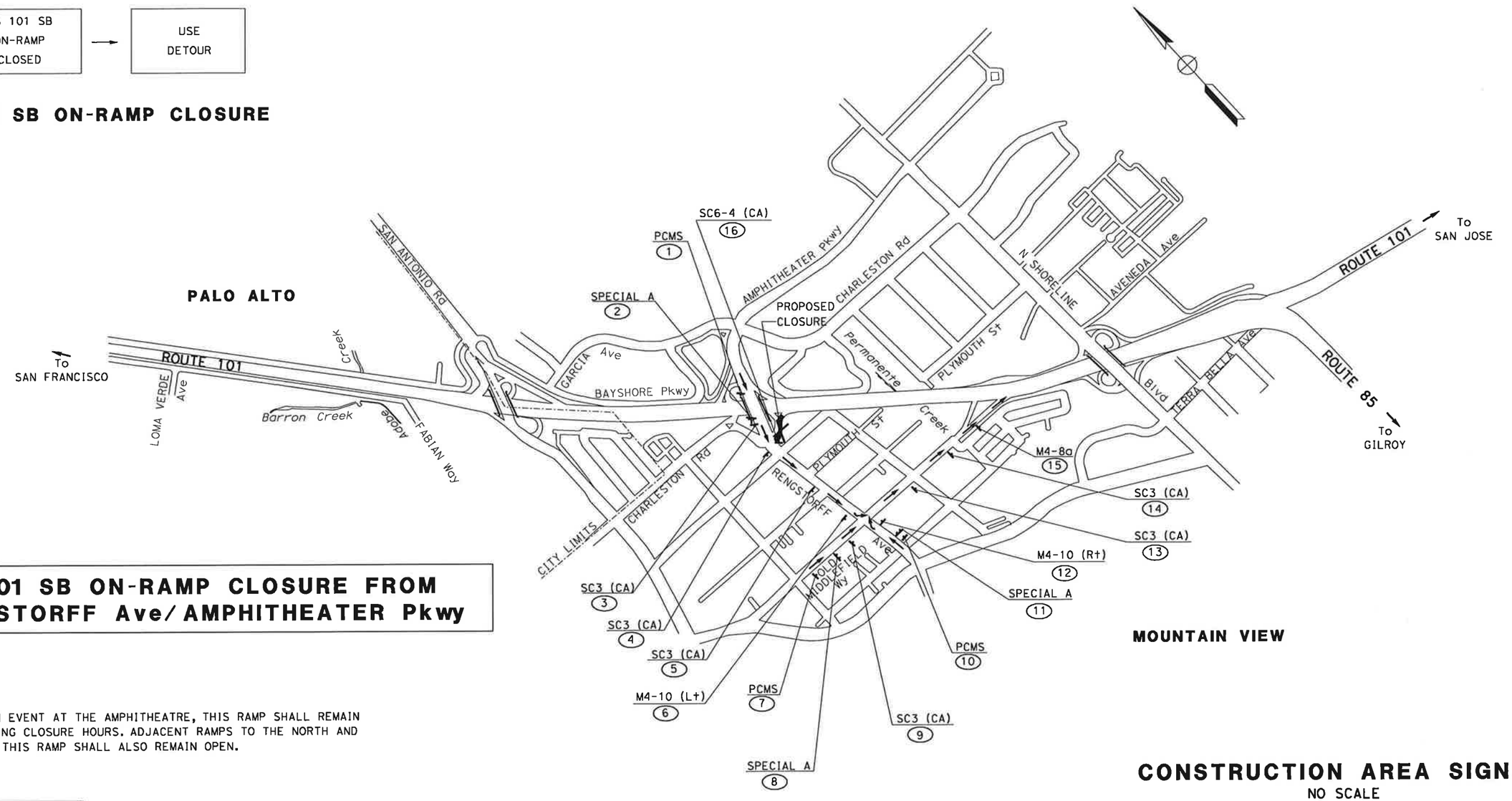
US 101 SB ON-RAMP CLOSED → USE DETOUR

US 101 SB ON-RAMP CLOSED ON
DATE TIME

US 101 SB ON-RAMP CLOSED
USE DETOUR

SPECIAL (A)

US 101 SB ON-RAMP CLOSURE



US 101 SB ON-RAMP CLOSURE FROM RENGSTORFF Ave/ AMPHITHEATER Pkwy

NOTE: DURING AN EVENT AT THE AMPHITHEATRE, THIS RAMP SHALL REMAIN OPEN DURING CLOSURE HOURS. ADJACENT RAMPS TO THE NORTH AND SOUTH OF THIS RAMP SHALL ALSO REMAIN OPEN.

FOR NOTES AND LEGEND SEE SHEET CS-1

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY

CONSTRUCTION AREA SIGNS

NO SCALE

CS-02

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE

CALCULATED-DESIGNED BY: AILEEN CABICO
CHECKED BY: RUTA JARIWALA

REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 11/5/2010
TIME PLOTTED => 11:02:22 PM
10-20-10

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCl	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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Suite 200
San Jose, CA 95113

Santa Clara Valley
Transportation Authority
3331 N First Street
San Jose, CA 95134

NOTES

1. THE PCMS SHOULD BE INSTALLED AND TURNED ON SEVEN (7) DAYS PRIOR TO US 101 NB ON-RAMP CLOSURE. THE PCMS SHOULD READ.....

US 101 NB ON-RAMP CLOSED ON → DATE & TIME

2. DURING US 101 NB ON-RAMP CLOSURE, THE PCMS MESSAGE SHOULD READ.....

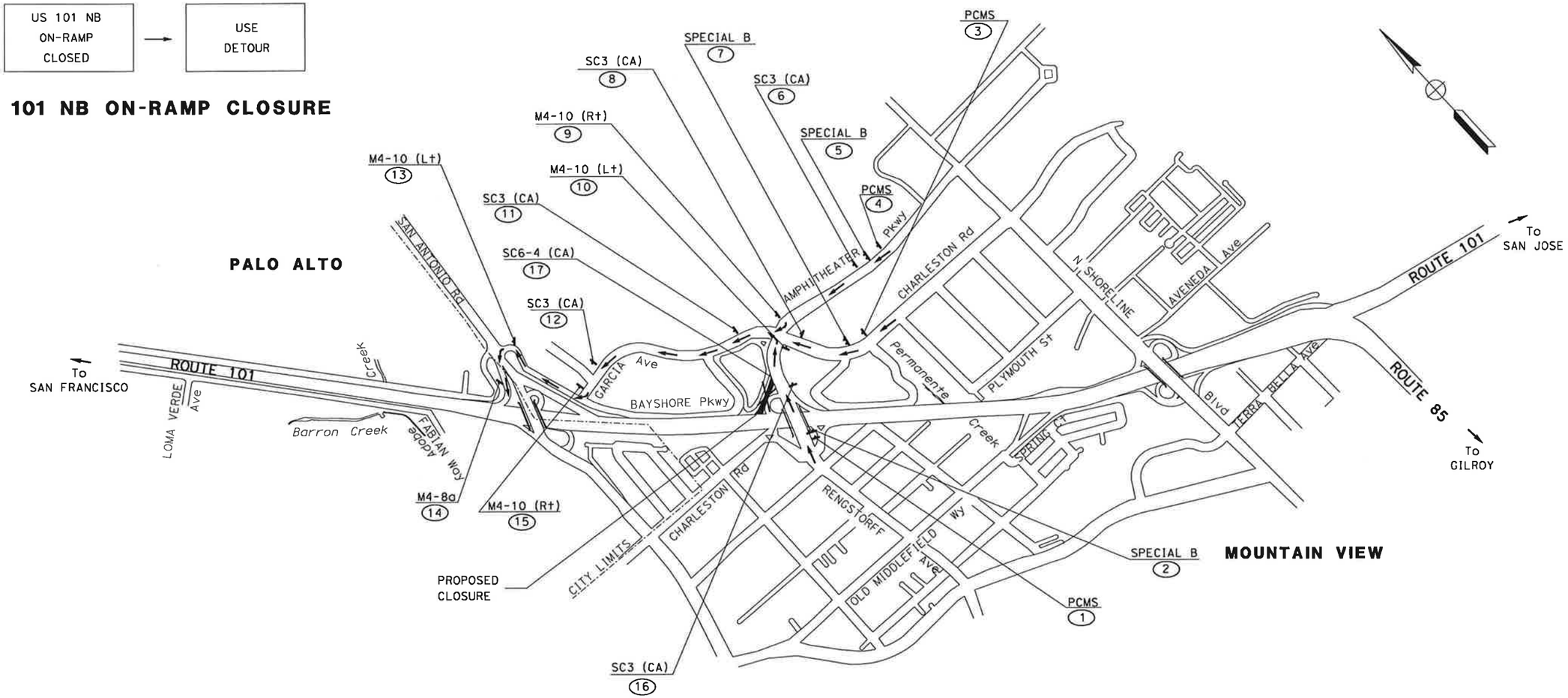
US 101 NB ON-RAMP CLOSED → USE DETOUR

US 101 NB ON-RAMP CLOSURE

US 101 NB ON-RAMP CLOSED ON
DATE
TIME

US 101 NB ON-RAMP CLOSED
USE
DETOUR

SPECIAL (B)



NOTE: DURING AN EVENT AT THE AMPHITHEATRE, THIS RAMP SHALL REMAIN OPEN DURING CLOSURE HOURS. ADJACENT RAMPS TO THE NORTH AND SOUTH OF THIS RAMP SHALL ALSO REMAIN OPEN.

FOR NOTES AND LEGEND SEE SHEET CS-1

US 101 NB ON-RAMP CLOSURE FROM RENGSTORFF Ave/AMPHITHEATER Pkwy

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY

CONSTRUCTION AREA SIGNS

NO SCALE

CS-03

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE
CALCULATED-DESIGNED BY: AILEEN CABICO
CHECKED BY: RUTA JARIWALA
REVISED BY
DATE REVISED

LAST REVISION 10-20-10
DATE PLOTTED => 11/5/2010
TIME PLOTTED => 1:02:23 PM

BORDER LAST REVISED 7/2/2010
USERNAME => prashanth_dullu
DGN FILE => ...\44a3301a003.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 0712
PROJECT NUMBER & PHASE 0400011261

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

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100 W San Fernando St
Suite 200
San Jose, CA 95113

Santa Clara Valley
Transportation Authority
3331 N First Street
San Jose, CA 95134

NOTES

1. THE PCMS SHOULD BE INSTALLED AND TURNED ON SEVEN (7) DAYS PRIOR TO NB AMPHITHEATER Pkwy OFF-RAMP CLOSURE. THE PCMS MESSAGE SHOULD READ.....

NB AMPHITHEATER Pkwy OFF-RAMP CLOSED ON → DATE & TIME

2. DURING NB AMPHITHEATER Pkwy OFF-RAMP CLOSURE, THE PCMS MESSAGE SHOULD READ.....

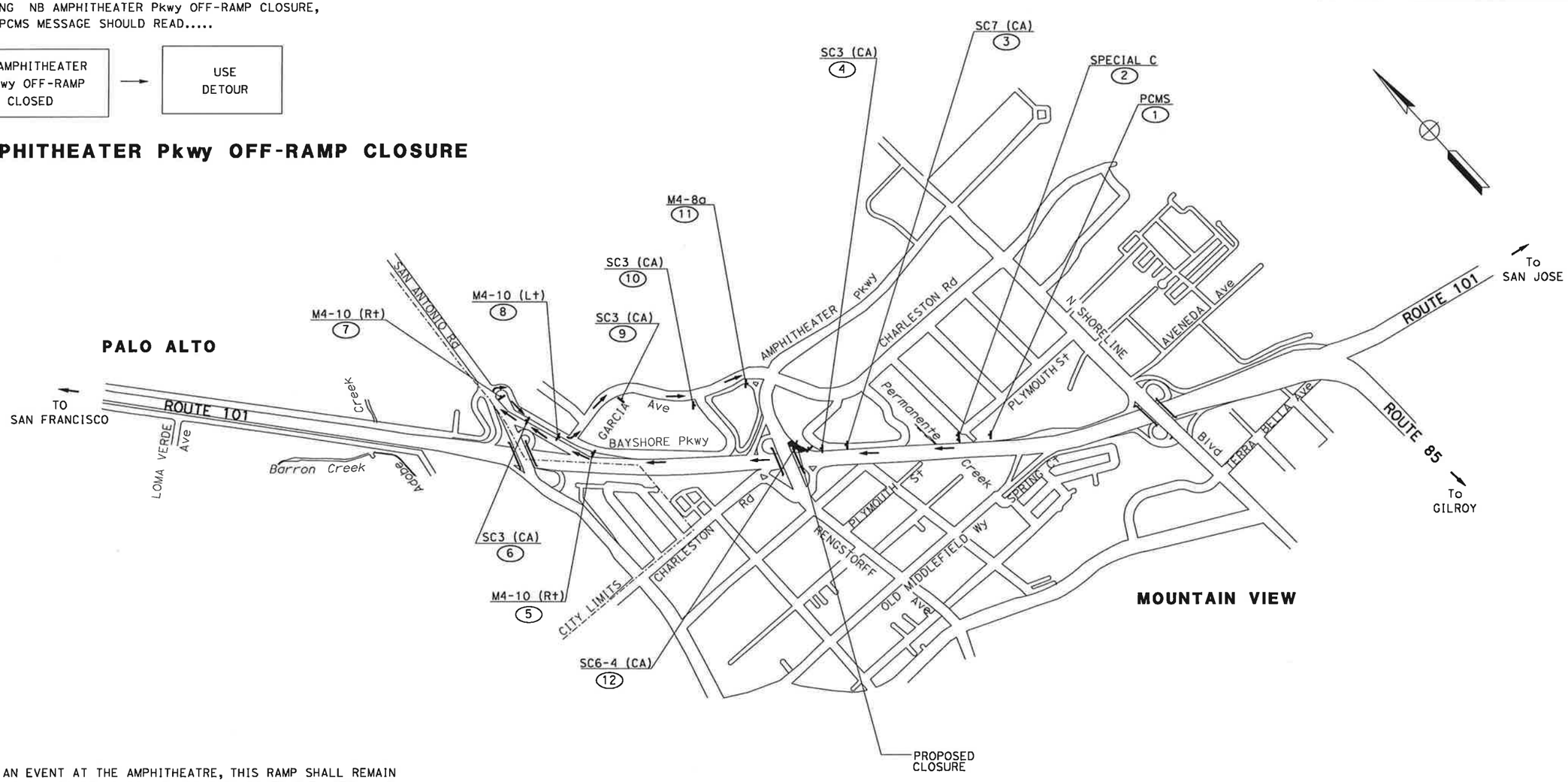
NB AMPHITHEATER Pkwy OFF-RAMP CLOSED → USE DETOUR

NB AMPHITHEATER Pkwy OFF-RAMP CLOSED ON
DATE
TIME

NB AMPHITHEATER Pkwy OFF-RAMP CLOSED
USE
DETOUR

SPECIAL (C)

NB AMPHITHEATER Pkwy OFF-RAMP CLOSURE



NOTE: DURING AN EVENT AT THE AMPHITHEATRE, THIS RAMP SHALL REMAIN OPEN DURING CLOSURE HOURS. ADJACENT RAMPS TO THE NORTH AND SOUTH OF THIS RAMP SHALL ALSO REMAIN OPEN.

FOR NOTES AND LEGEND SEE SHEET CS-1

US 101 NB OFF-RAMP CLOSURE TO NB AMPHITHEATER Pkwy

CONSTRUCTION AREA SIGNS

NO SCALE

CS-04

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE
CALCULATED-DESIGNED BY: AILEEN CABICO
CHECKED BY: RUTA JARIWALA
REVISED BY
DATE REVISED

LAST REVISION 10-20-10
DATE PLOTTED => 11/5/2010
TIME PLOTTED => 1:02:24 PM

BORDER LAST REVISED 7/2/2010
USERNAME => prashanth_dullu
DGN FILE => ...\44a3301a004.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 0712
PROJECT NUMBER & PHASE 0400011261

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

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Suite 200
San Jose, CA 95113

Santa Clara Valley
Transportation Authority
3331 N First Street
San Jose, CA 95134

NOTES

1. THE PCMS SHOULD BE INSTALLED AND TURNED ON SEVEN (7) DAYS PRIOR TO NB SAN ANTONIO Rd OFF-RAMP CLOSURE. THE PCMS MESSAGE SHOULD READ.....

NB SAN ANTONIO Rd OFF-RAMP CLOSED ON → DATE & TIME

2. DURING NB SAN ANTONIO Rd OFF-RAMP CLOSURE, THE PCMS MESSAGE SHOULD READ.....

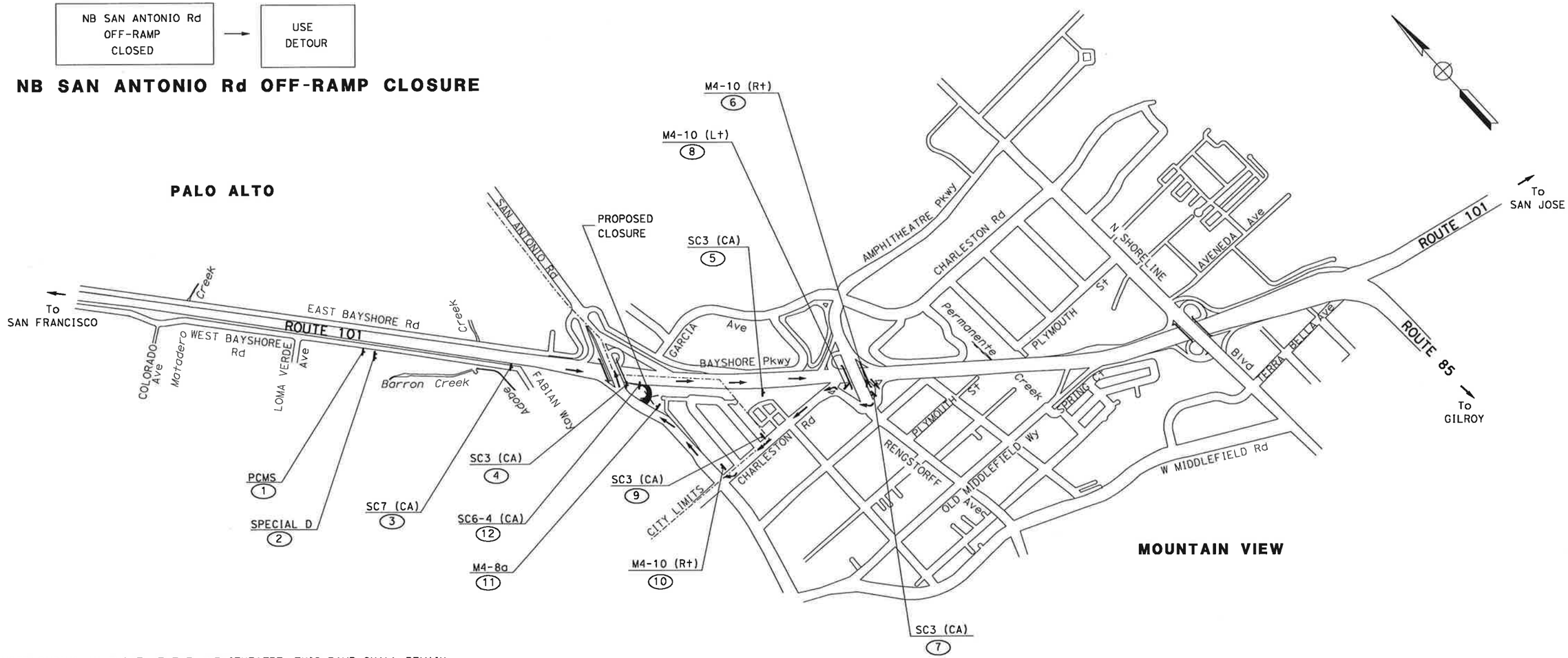
NB SAN ANTONIO Rd OFF-RAMP CLOSED → USE DETOUR

NB SAN ANTONIO Rd OFF-RAMP CLOSED ON
DATE TIME

NB SAN ANTONIO Rd OFF-RAMP CLOSED
USE DETOUR

SPECIAL (D)

NB SAN ANTONIO Rd OFF-RAMP CLOSURE



NOTE: DURING AN EVENT AT THE AMPHITHEATRE, THIS RAMP SHALL REMAIN OPEN DURING CLOSURE HOURS. ADJACENT RAMPS TO THE NORTH AND SOUTH OF THIS RAMP SHALL ALSO REMAIN OPEN.

FOR NOTES AND LEGEND SEE SHEET CS-1

US 101 SB OFF-RAMP CLOSURE TO NB SAN ANTONIO Rd

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY

CONSTRUCTION AREA SIGNS
NO SCALE

CS-05

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE
CALCULATED-DESIGNED BY: AILEEN CABICO
CHECKED BY: RUTA JARIWALA
REVISED BY
DATE REVISED

LAST REVISION 10-20-10
DATE PLOTTED => 11/5/2010
TIME PLOTTED => 1:02:25 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCl	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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San Jose, CA 95113

Santa Clara Valley
Transportation Authority
3331 N First Street
San Jose, CA 95134

NOTES

1. THE PCMS SHOULD BE INSTALLED AND TURNED ON SEVEN (7) DAYS PRIOR TO US 101 SB OFF-RAMP CLOSURE. THE PCMS MESSAGE SHOULD READ.....

US 101 SB OFF-RAMP CLOSED ON → DATE & TIME

2. DURING US 101 SB OFF-RAMP CLOSURE, THE PCMS MESSAGE SHOULD READ.....

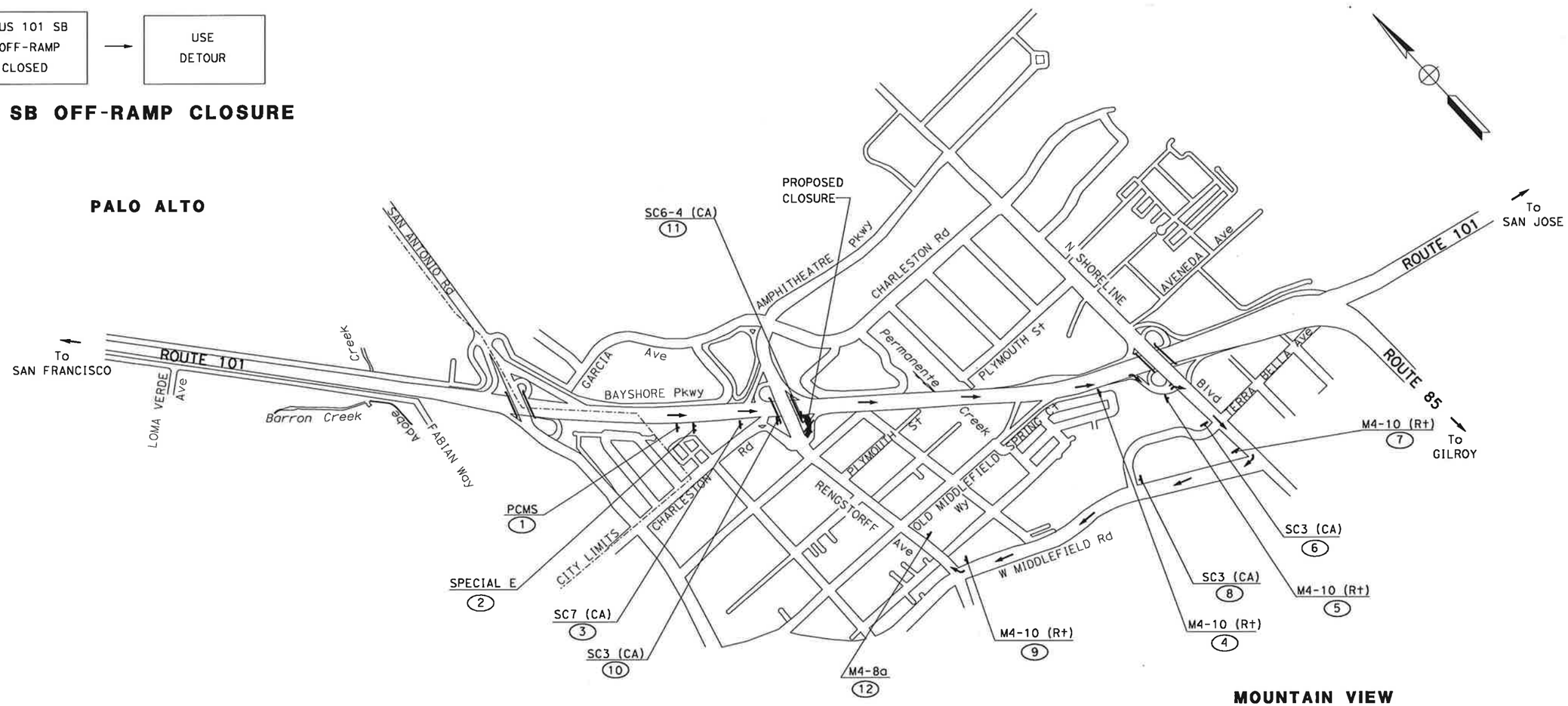
US 101 SB OFF-RAMP CLOSED → USE DETOUR

US 101 SB OFF-RAMP CLOSED ON
DATE
TIME

US 101 SB OFF-RAMP CLOSED
USE DETOUR

SPECIAL (E)

US 101 SB OFF-RAMP CLOSURE



NOTE: DURING AN EVENT AT THE AMPHITHEATRE, THIS RAMP SHALL REMAIN OPEN DURING CLOSURE HOURS. ADJACENT RAMPS TO THE NORTH AND SOUTH OF THIS RAMP SHALL ALSO REMAIN OPEN.

FOR NOTES AND LEGEND SEE SHEET CS-1

US 101 SB OFF RAMP CLOSURE TO RENGSTORFF Ave

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY

CONSTRUCTION AREA SIGNS

NO SCALE

CS-06

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE
CALCULATED-DESIGNED BY: AILEEN CABICO
CHECKED BY: RUTA JARIWALA
REVISED BY
DATE REVISED

LAST REVISION 10-20-10
DATE PLOTTED => 11/5/2010
TIME PLOTTED => 11:02:26 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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URS Corporation
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Suite 200
San Jose, CA 95113

Santa Clara Valley
Transportation Authority
3331 N First Street
San Jose, CA 95134

NOTES

1. THE PCMS SHOULD BE INSTALLED AND TURNED ON SEVEN (7) DAYS PRIOR TO US 101 NB ON-RAMP CLOSURE. THE PCMS MESSAGE SHOULD READ.....

US 101 NB ON-RAMP CLOSED ON → DATE & TIME

2. DURING US 101 NB ON-RAMP CLOSURE, THE PCMS MESSAGE SHOULD READ.....

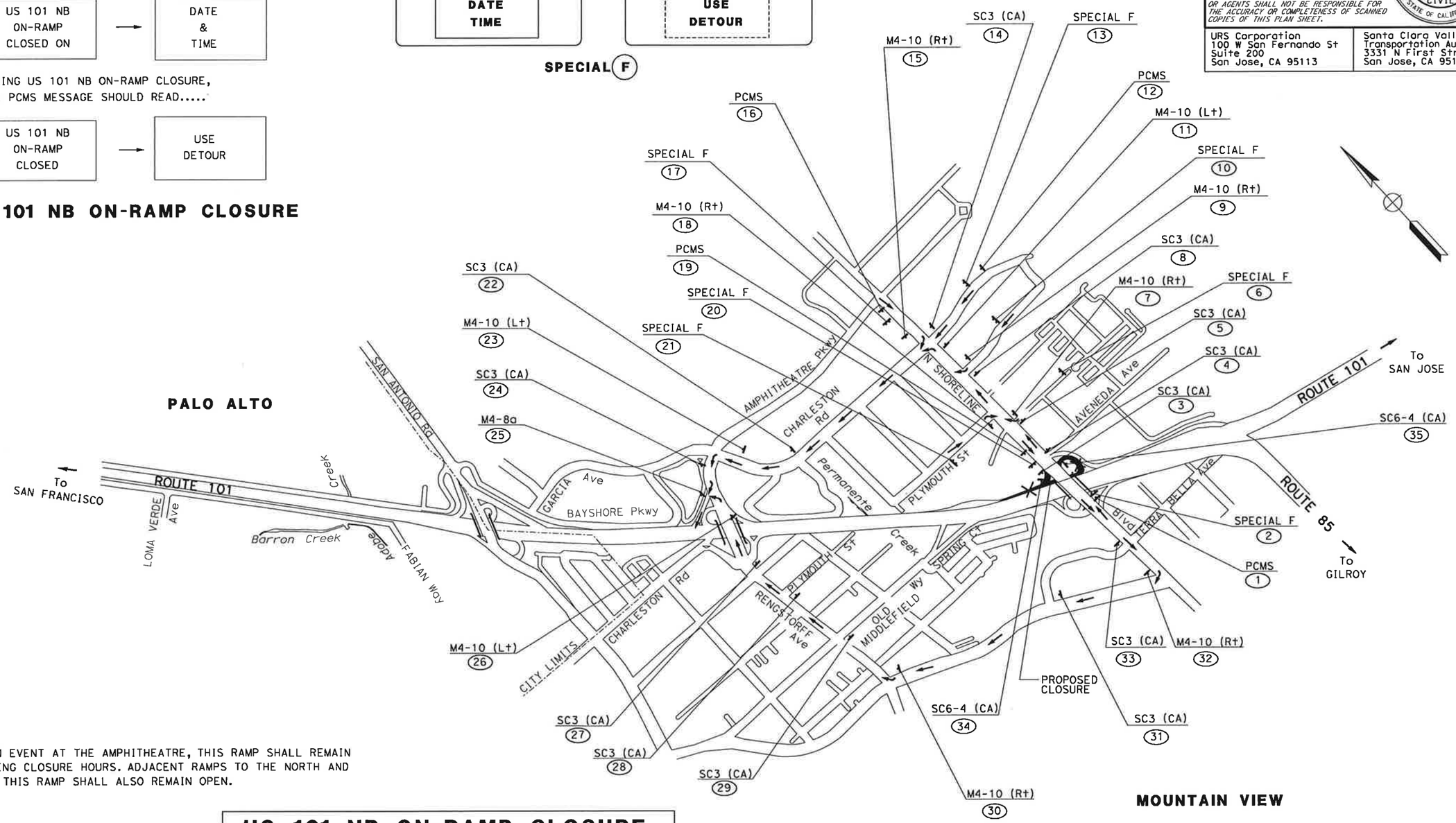
US 101 NB ON-RAMP CLOSED → USE DETOUR

US 101 NB ON-RAMP CLOSURE

US 101 NB ON-RAMP CLOSED ON
DATE
TIME

US 101 NB ON-RAMP CLOSED
USE
DETOUR

SPECIAL (F)



NOTE: DURING AN EVENT AT THE AMPHITHEATRE, THIS RAMP SHALL REMAIN OPEN DURING CLOSURE HOURS. ADJACENT RAMPS TO THE NORTH AND SOUTH OF THIS RAMP SHALL ALSO REMAIN OPEN.

US 101 NB ON-RAMP CLOSURE FROM N SHORELINE Blvd

FOR NOTES AND LEGEND SEE SHEET CS-1

CONSTRUCTION AREA SIGNS
NO SCALE

CS-07

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
TRAFFIC DESIGN
CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE
CALCULATED-DESIGNED BY: AILEEN CABICO
CHECKED BY: RUTA JARIWALA
REVISED BY / DATE REVISED

LAST REVISION 10-20-10
DATE PLOTTED => 11/5/2010
TIME PLOTTED => 11:02:29 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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URS Corporation
100 W San Fernando St
Suite 200
San Jose, CA 95113

Santa Clara Valley
Transportation Authority
3331 N First Street
San Jose, CA 95134

NOTES

1. THE PCMS SHOULD BE INSTALLED AND TURNED ON SEVEN (7) DAYS PRIOR TO US 101 NB ON-RAMP CLOSURE. THE PCMS MESSAGE SHOULD READ.....

US 101 NB ON-RAMP CLOSED ON	→	DATE & TIME

2. DURING US 101 NB ON-RAMP CLOSURE, THE PCMS MESSAGE SHOULD READ.....

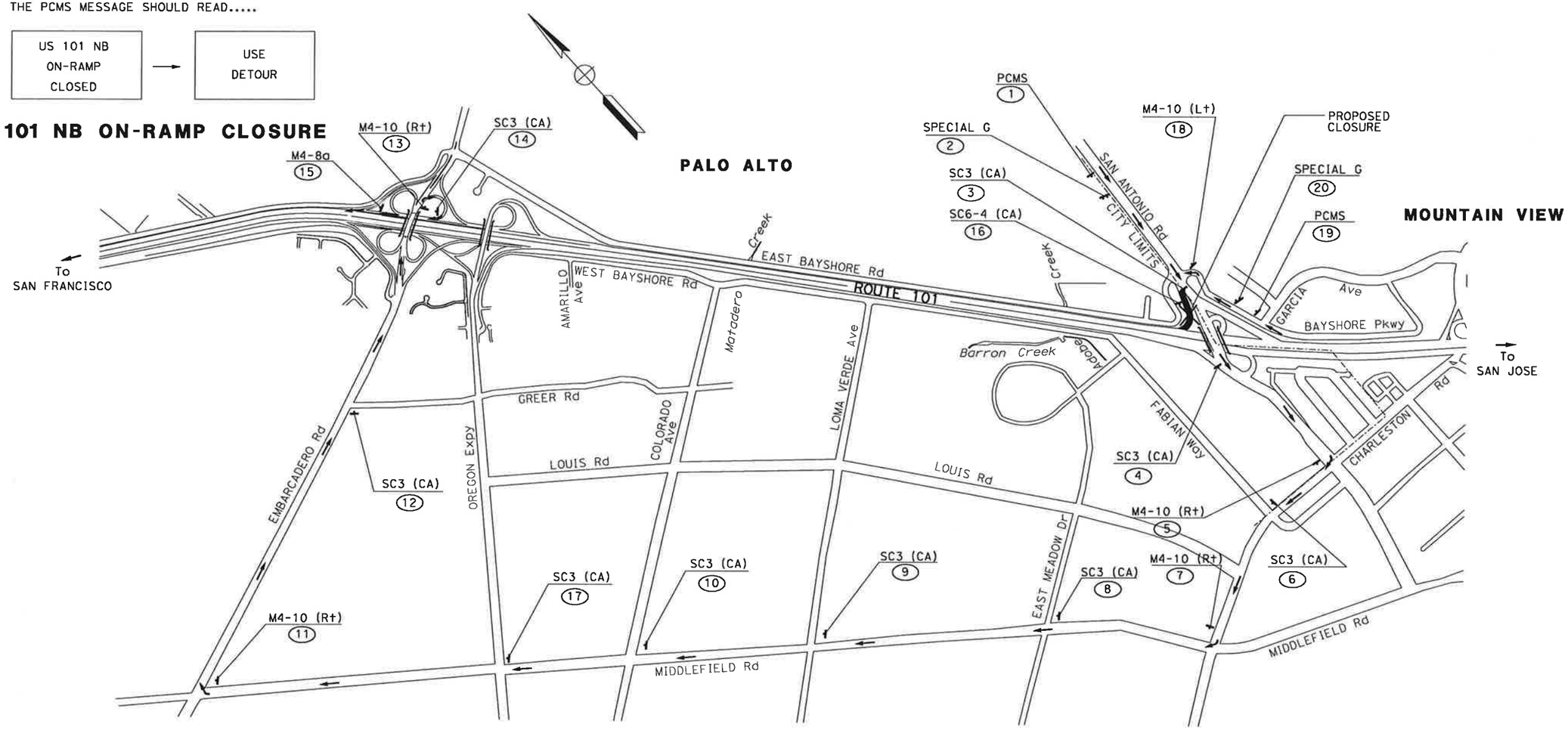
US 101 NB ON-RAMP CLOSED	→	USE DETOUR

US 101 NB ON-RAMP CLOSED
DATE TIME

US 101 NB ON-RAMP CLOSED
USE DETOUR

SPECIAL (G)

US 101 NB ON-RAMP CLOSURE



NOTE: DURING AN EVENT AT THE AMPHITHEATRE, THIS RAMP SHALL REMAIN OPEN DURING CLOSURE HOURS. ADJACENT RAMPS TO THE NORTH AND SOUTH OF THIS RAMP SHALL ALSO REMAIN OPEN.

FOR NOTES AND LEGEND SEE SHEET CS-1

US 101 NB ON-RAMP CLOSURE FROM SB SAN ANTONIO Rd

CONSTRUCTION AREA SIGNS

NO SCALE

CS-08

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE
CALCULATED-DESIGNED BY: AILEEN CABICO
CHECKED BY: RUTA JARIWALA
REVISED BY / DATE REVISED

LAST REVISION 10-20-10
DATE PLOTTED => 11/5/2010
TIME PLOTTED => 11:02:30 PM

BORDER LAST REVISED 7/2/2010
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DGN FILE => ...\44a3301a008.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 0712
PROJECT NUMBER & PHASE 0400011261

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

URS Corporation
100 W San Fernando St
Suite 200
San Jose, CA 95113

Santa Clara Valley
Transportation Authority
3331 N First Street
San Jose, CA 95134

NOTES

1. THE PCMS SHOULD BE INSTALLED AND TURNED ON SEVEN (7) DAYS PRIOR TO US 101 NB OFF-RAMP CLOSURE. THE PCMS MESSAGE SHOULD READ.....

US 101 NB OFF-RAMP CLOSED ON	→	DATE & TIME

2. DURING US 101 NB OFF-RAMP CLOSURE, THE PCMS MESSAGE SHOULD READ.....

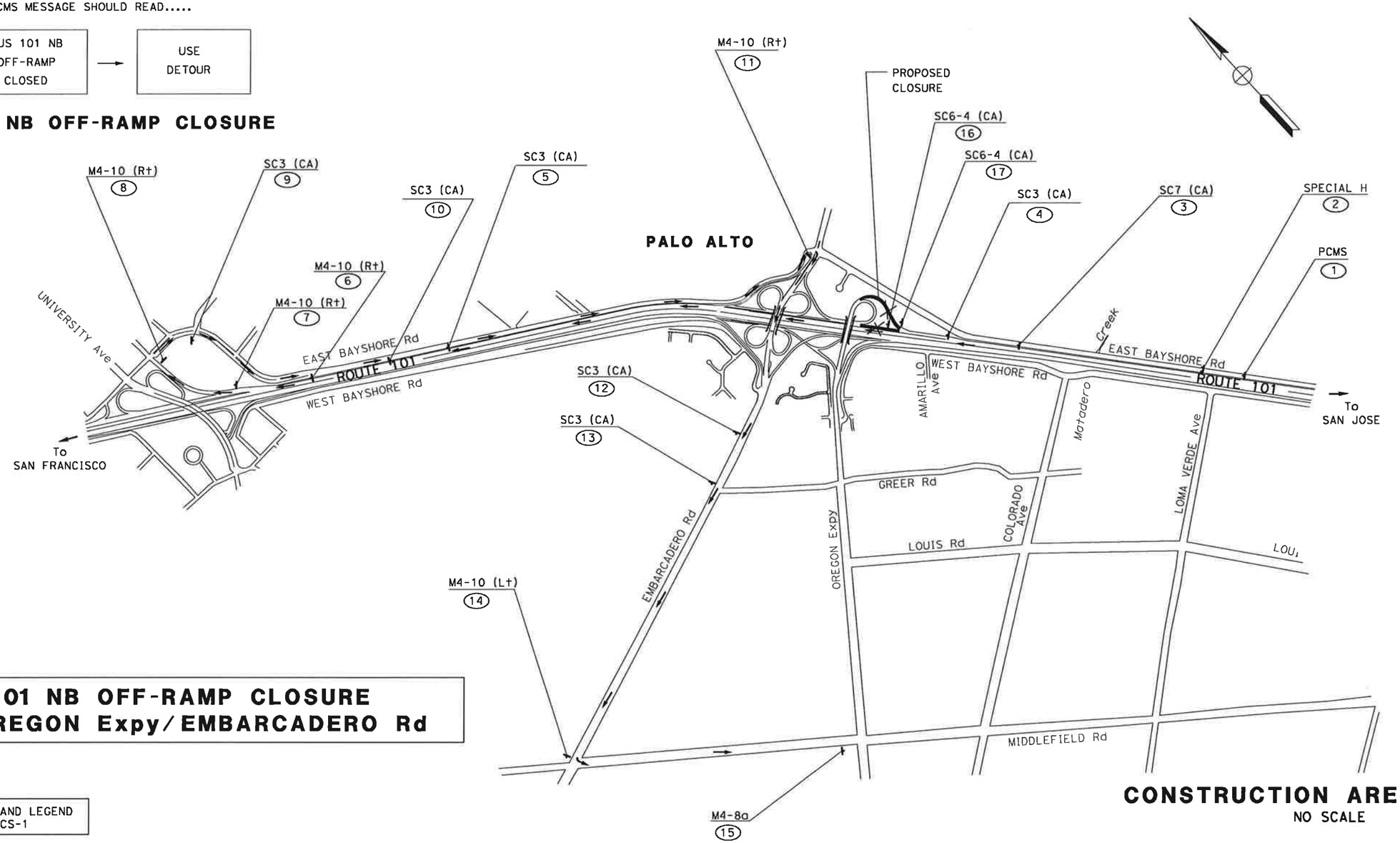
US 101 NB OFF-RAMP CLOSED	→	USE DETOUR

US 101 NB OFF-RAMP CLOSED ON
DATE TIME

US 101 NB OFF-RAMP CLOSED
USE DETOUR

SPECIAL (H)

US 101 NB OFF-RAMP CLOSURE



US 101 NB OFF-RAMP CLOSURE TO OREGON Expy/EMBARCADERO Rd

FOR NOTES AND LEGEND SEE SHEET CS-1

CONSTRUCTION AREA SIGNS

NO SCALE

CS-09

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE
CALCULATED-DESIGNED BY: AILEEN CABICO
CHECKED BY: RUTA JARIWALA
REVISED BY
DATE REVISED

LAST REVISION 10-20-10
DATE PLOTTED => 11/5/2010
TIME PLOTTED => 1:02:32 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCl	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

URS Corporation
100 W San Fernando St
Suite 200
San Jose, CA 95113

Santa Clara Valley
Transportation Authority
3331 N First Street
San Jose, CA 95134

NOTES

1. THE PCMS SHOULD BE INSTALLED AND TURNED ON SEVEN (7) DAYS PRIOR TO US 101 SB ON-RAMP CLOSURE.
   THE PCMS MESSAGE SHOULD READ.....

US 101 SB ON-RAMP CLOSED ON	→	DATE & TIME

2. DURING US 101 SB ON-RAMP CLOSURE, THE PCMS MESSAGE SHOULD READ.....

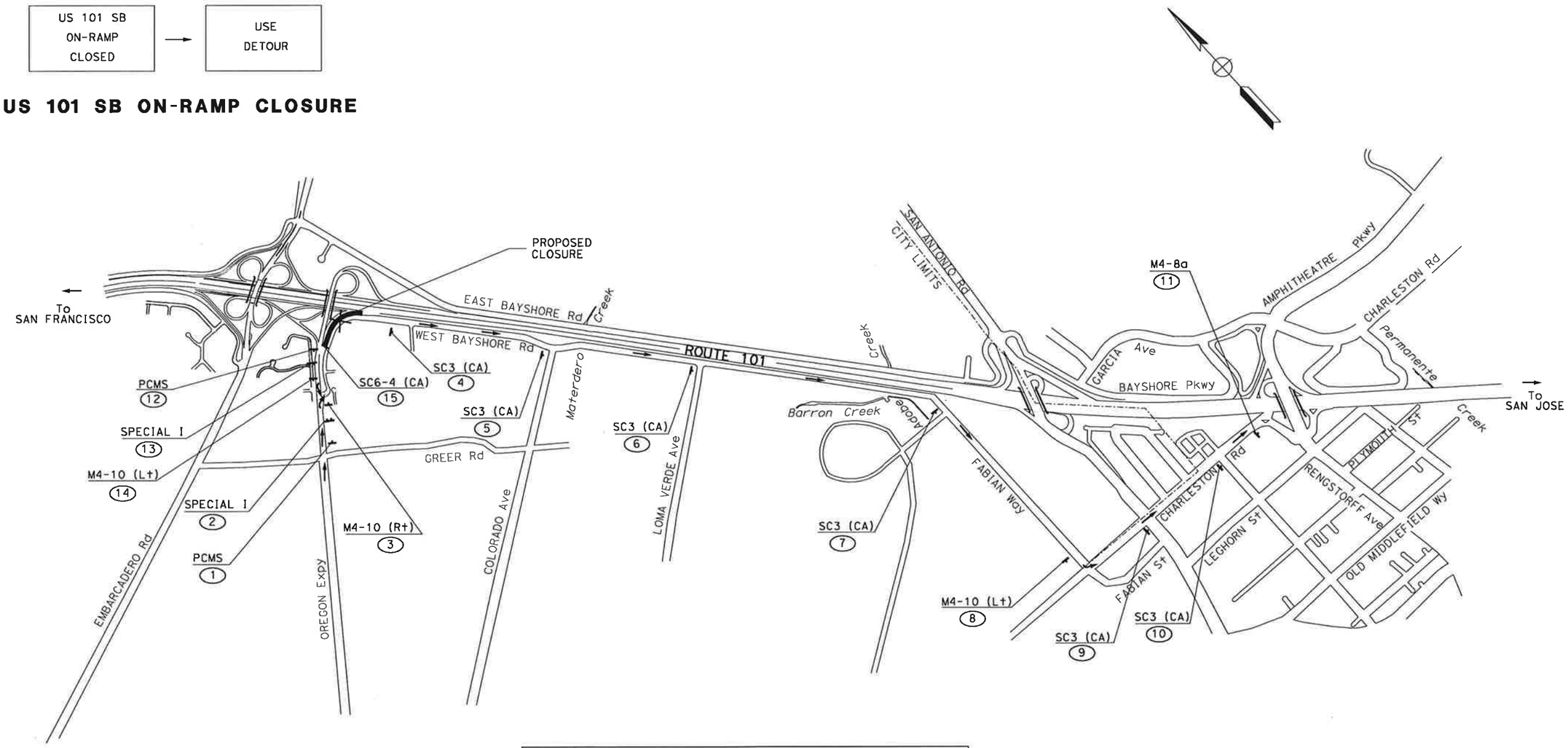
US 101 SB ON-RAMP CLOSED	→	USE DETOUR

US 101 SB
ON RAMP
CLOSED ON
DATE
TIME

US 101 SB
ON RAMP
CLOSED
USE
DETOUR

SPECIAL (I)

US 101 SB ON-RAMP CLOSURE



FOR NOTES AND LEGEND SEE SHEET CS-1

US 101 SB ON RAMP CLOSURE FROM OREGON Expy

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY

CONSTRUCTION AREA SIGNS

NO SCALE

CS-10

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE

CALCULATED-DESIGNED BY: AILEEN CABICO
CHECKED BY: RUTA JARIWALA

REVISED BY | DATE REVISED

LAST REVISION 10-20-10 | DATE PLOTTED => 11/5/2010 | TIME PLOTTED => 1:02:33 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

URS Corporation
100 W San Fernando St
Suite 200
San Jose, CA 95113

Santa Clara Valley
Transportation Authority
3331 N First Street
San Jose, CA 95134

NOTES

1. THE PCMS SHOULD BE INSTALLED AND TURNED ON SEVEN (7) DAYS PRIOR TO US 101 SB ON-RAMP CLOSURE. THE PCMS MESSAGE SHOULD READ.....

US 101 SB ON-RAMP CLOSED ON	→	DATE & TIME

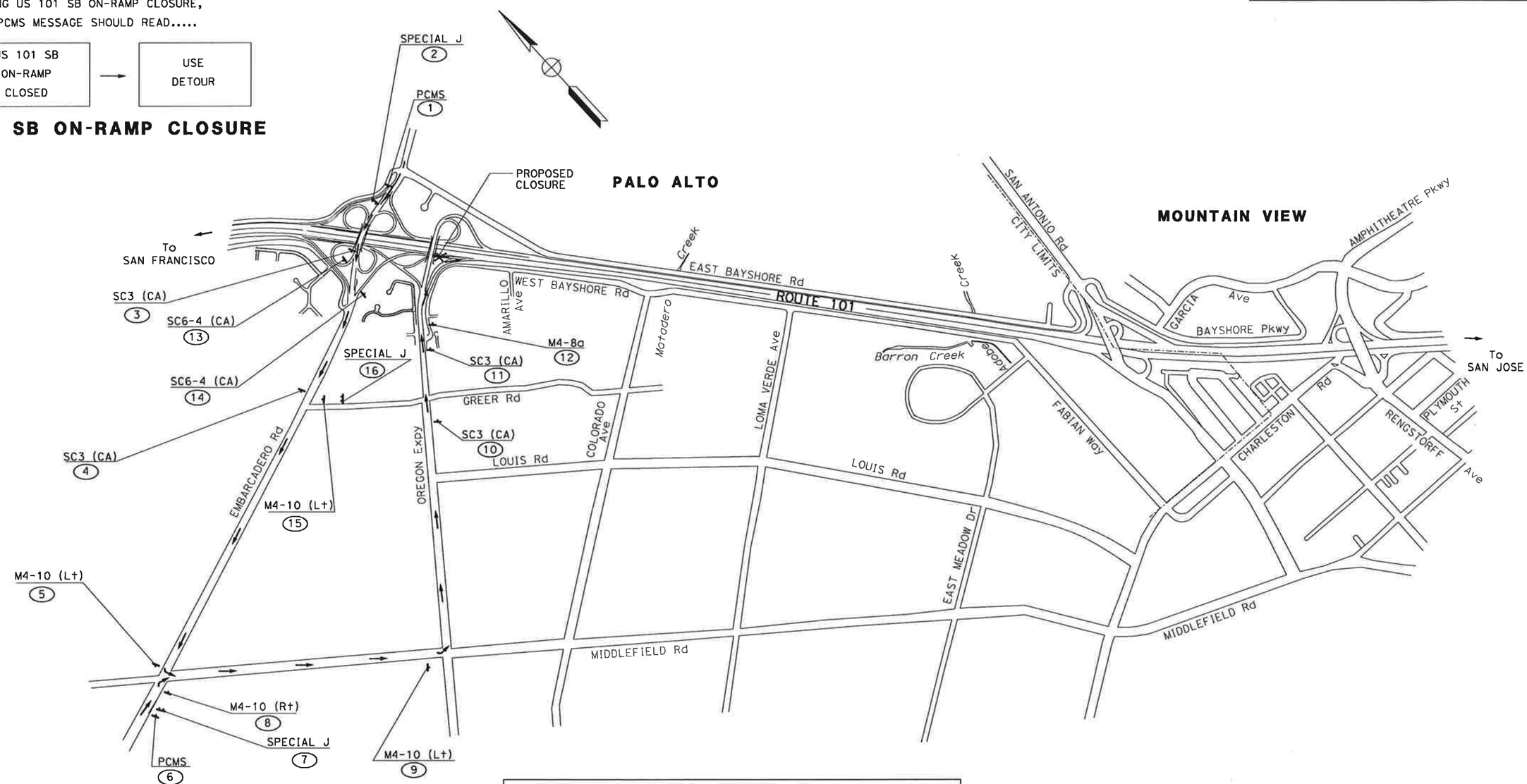
2. DURING US 101 SB ON-RAMP CLOSURE, THE PCMS MESSAGE SHOULD READ.....

US 101 SB ON-RAMP CLOSED	→	USE DETOUR

US 101 SB ON-RAMP CLOSED ON	US 101 SB ON-RAMP CLOSED
DATE TIME	USE DETOUR

SPECIAL (J)

US 101 SB ON-RAMP CLOSURE



FOR NOTES AND LEGEND SEE SHEET CS-1

US 101 SB ON-RAMP CLOSURE FROM EMBARCADERO Rd

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY

CONSTRUCTION AREA SIGNS

NO SCALE

CS-11

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE
CALCULATED-DESIGNED BY: AILEEN CABICO
CHECKED BY: RUTA JARIWALA
REVISED BY
DATE REVISED

LAST REVISION 10-20-10
DATE PLOTTED => 11/5/2010
TIME PLOTTED => 1:02:34 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCl	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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San Jose, CA 95113

Santa Clara Valley
Transportation Authority
3331 N First Street
San Jose, CA 95134

NOTES

1. THE PCMS SHOULD BE INSTALLED AND TURNED ON SEVEN (7) DAYS PRIOR TO SB RENGSTORFF Ave OFF-RAMP CLOSURE. THE PCMS MESSAGE SHOULD READ.....

SB RENGSTORFF Ave OFF-RAMP CLOSED ON → DATE & TIME

2. DURING SB RENGSTORFF Ave OFF-RAMP CLOSURE, THE PCMS MESSAGE SHOULD READ.....

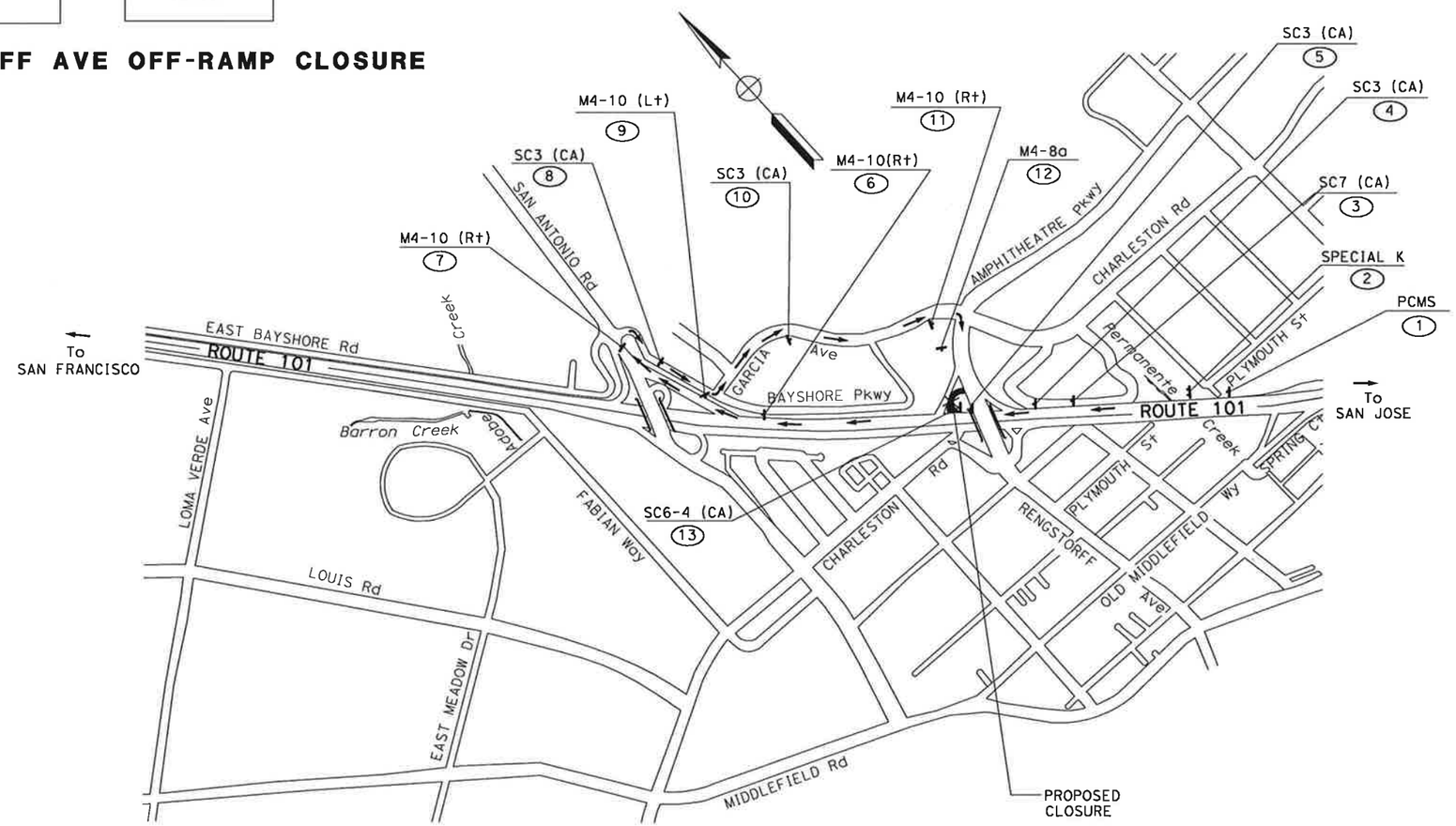
SB RENGSTORFF Ave OFF-RAMP CLOSED → USE DETOUR

SB RENGSTORFF Ave OFF-RAMP CLOSED ON
DATE TIME

SB RENGSTORFF Ave OFF-RAMP CLOSED
USE DETOUR

SPECAIL (K)

SB RENGSTORFF AVE OFF-RAMP CLOSURE



US 101 NB OFF-RAMP CLOSURE TO SB RENGSTORFF Ave

FOR NOTES AND LEGEND SEE SHEET CS-1

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY

CONSTRUCTION AREA SIGNS

NO SCALE

CS-12

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE
CALCULATED-DESIGNED BY: AILEEN CABICO
CHECKED BY: RUTA JARIWALA
REVISED BY
DATE REVISED

LAST REVISION 10-20-10 | DATE PLOTTED => 11/5/2010 | TIME PLOTTED => 1:02:35 PM

BORDER LAST REVISED 7/2/2010 | USERNAME => prashanth_dullu | DGN FILE => ...\44a3301a012.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0712 | PROJECT NUMBER & PHASE 0400011261

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCl	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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URS Corporation
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Transportation Authority
3331 N First Street
San Jose, CA 95134

NOTES

1. THE PCMS SHOULD BE INSTALLED AND TURNED ON SEVEN (7) DAYS PRIOR TO US 101 NB ON-RAMP CLOSURE. THE PCMS MESSAGE SHOULD READ.....

US 101 NB ON-RAMP CLOSED ON	→	DATE & TIME

2. DURING US 101 NB ON-RAMP CLOSURE, THE PCMS MESSAGE SHOULD READ.....

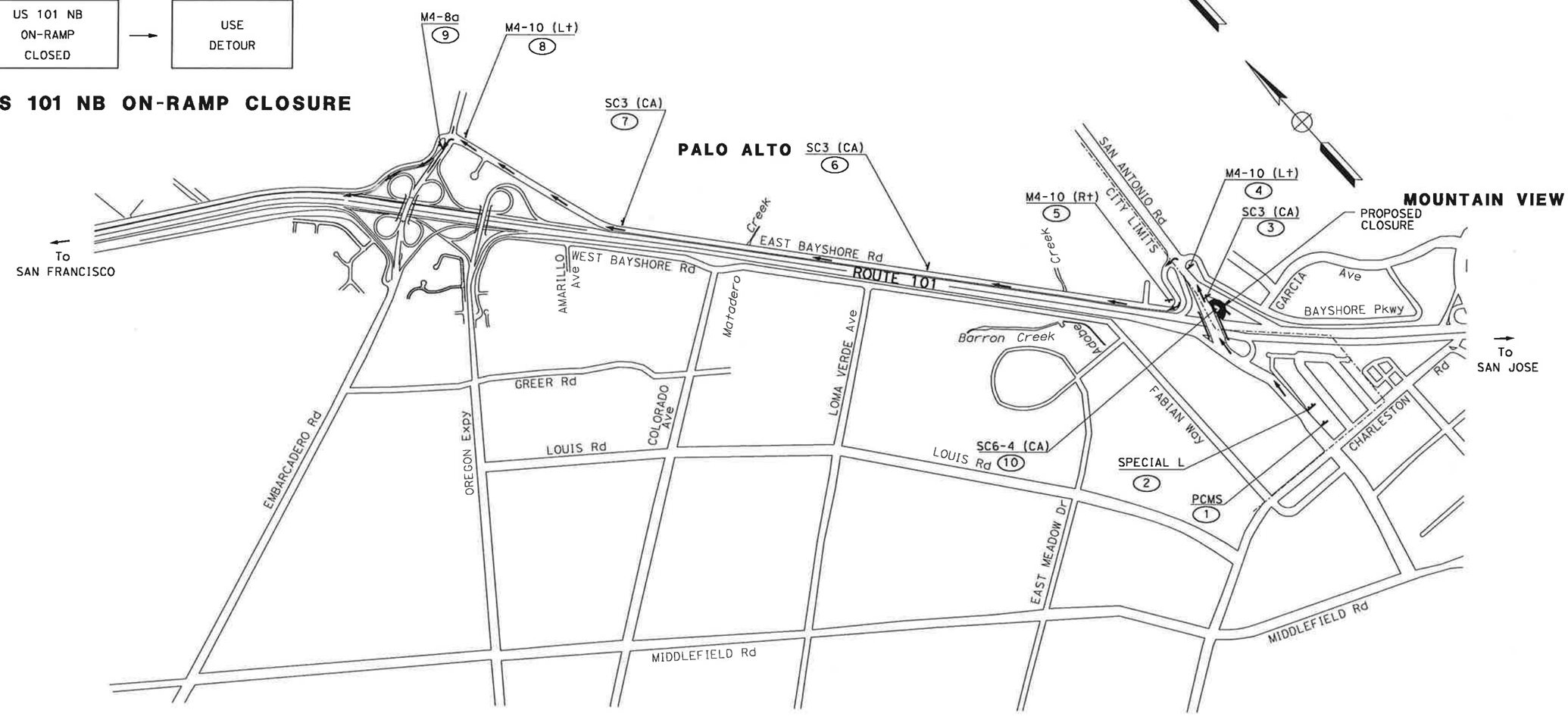
US 101 NB ON-RAMP CLOSED	→	USE DETOUR

US 101 NB ON-RAMP CLOSED ON
DATE
TIME

US 101 NB ON-RAMP CLOSED
USE
DETOUR

SPECIAL (L)

US 101 NB ON-RAMP CLOSURE



FOR NOTES AND LEGEND SEE SHEET CS-1

US 101 NB ON-RAMP CLOSURE FROM NB SAN ANTONIO Rd

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY

CONSTRUCTION AREA SIGNS

NO SCALE

CS-13

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE

CALCULATED-DESIGNED BY: AILEEN CABICO
CHECKED BY: RUTA JARIWALA

REVISED BY
DATE REVISED

LAST REVISION 10-20-10
DATE PLOTTED => 11/5/2010
TIME PLOTTED => 11:02:36 PM

BORDER LAST REVISED 7/2/2010
USERNAME => prashanth_dullu
DGN FILE => ...\44a3301a013.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 0712
PROJECT NUMBER & PHASE 0400011261

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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San Jose, CA 95134

NOTES

1. THE PCMS SHOULD BE INSTALLED AND TURNED ON SEVEN (7) DAYS PRIOR TO SB SAN ANTONIO Rd OFF-RAMP CLOSURE. THE PCMS MESSAGE SHOULD READ.....

SB SAN ANTONIO Rd OFF-RAMP CLOSED ON → DATE & TIME

2. DURING SB SAN ANTONIO Rd OFF-RAMP CLOSURE, THE PCMS MESSAGE SHOULD READ.....

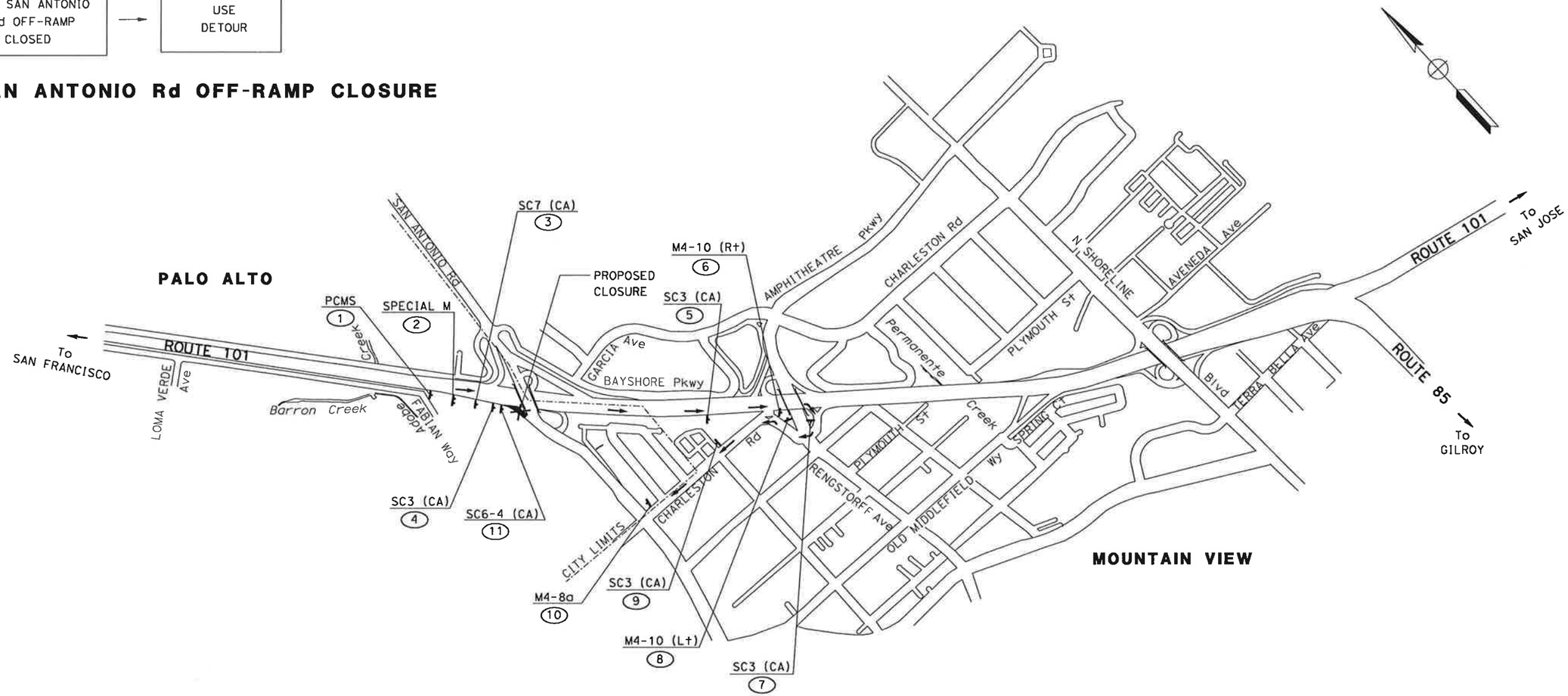
SB SAN ANTONIO Rd OFF-RAMP CLOSED → USE DETOUR

SB SAN ANTONIO Rd OFF-RAMP CLOSED ON
DATE TIME

SB SAN ANTONIO Rd OFF-RAMP CLOSED
USE DETOUR

SPECIAL (M)

SB SAN ANTONIO Rd OFF-RAMP CLOSURE



US 101 SB OFF-RAMP CLOSURE TO SB SAN ANTONIO Rd

FOR NOTES AND LEGEND SEE SHEET CS-1

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY

CONSTRUCTION AREA SIGNS
NO SCALE

CS-14

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY	CHECKED BY
AILEEN CABICO	RUTA JARIWALA

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

LAST REVISION 10-20-10
DATE PLOTTED => 11/5/2010
TIME PLOTTED => 11:02:37 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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San Jose, CA 95134

NOTES

1. THE PCMS SHOULD BE INSTALLED AND TURNED ON SEVEN (7) DAYS PRIOR TO SB OLD MIDDLEFILD WAY ON-RAMP CLOSURE. THE PCMS MESSAGE SHOULD READ.....

SB OLD MIDDLEFIELD WAY ON-RAMP CLOSED ON → DATE & TIME

2. DURING SB OLD MIDDLEFIELD WAY ON-RAMP CLOSURE, THE PCMS MESSAGE SHOULD READ.....

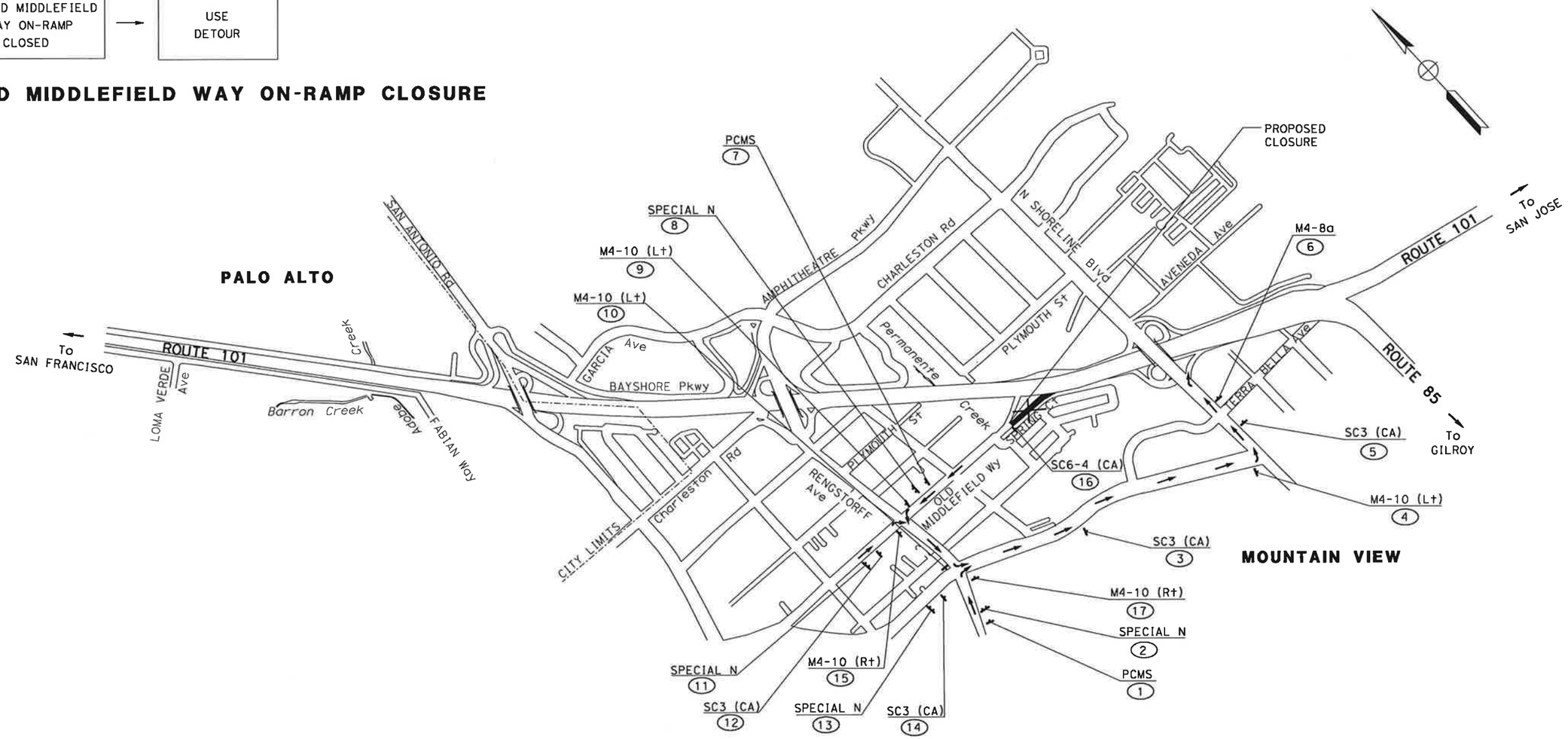
SB OLD MIDDLEFIELD WAY ON-RAMP CLOSED → USE DETOUR

SB OLD MIDDLEFIELD WAY ON-RAMP CLOSED ON
DATE
TIME

SB OLD MIDDLEFIELD WAY ON-RAMP CLOSED
USE
DETOUR

SPECIAL (N)

SB OLD MIDDLEFIELD WAY ON-RAMP CLOSURE



FOR NOTES AND LEGEND SEE SHEET CS-1

US 101 SB ON-RAMP CLOSURE FROM OLD MIDDLEFIELD WAY

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY

CONSTRUCTION AREA SIGNS

NO SCALE

CS-15

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE

CALCULATED-DESIGNED BY: AILEEN CABICO
CHECKED BY: RUTA JARIWALA

REVISED BY | DATE REVISED

LAST REVISION 10-20-10 | DATE PLOTTED => 11/5/2010 | TIME PLOTTED => 1:02:39 PM

BORDER LAST REVISED 7/2/2010 | USERNAME => prashanth_dullu | DGN FILE => ...\44a3301a015.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0712 | PROJECT NUMBER & PHASE 0400011261

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCl	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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NOTES

1. THE PCMS SHOULD BE INSTALLED AND TURNED ON SEVEN (7) DAYS PRIOR TO SB CHARLESTON Rd ON-RAMP CLOSURE. THE PCMS MESSAGE SHOULD READ.....

SB CHARLESTON Rd ON-RAMP CLOSED ON → DATE & TIME

2. DURING SB CHARLESTON Rd ON-RAMP CLOSURE, THE PCMS MESSAGE SHOULD READ.....

SB CHARLESTON Rd ON-RAMP CLOSED → USE DETOUR

SB CHARLESTON Rd
ON-RAMP
CLOSED ON

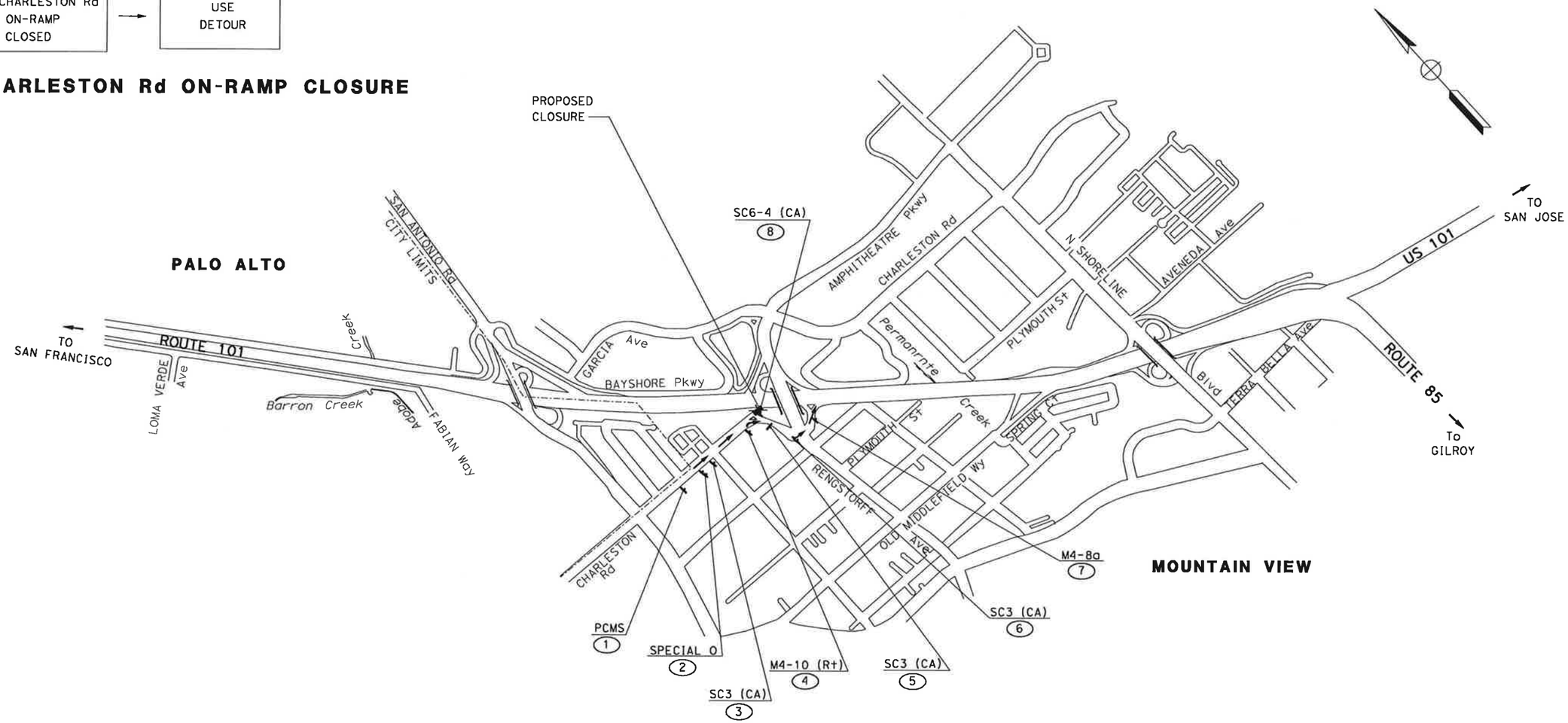
DATE
TIME

SB CHARLESTON Rd
ON-RAMP
CLOSED

USE
DETOUR

SPECIAL (O)

SB CHARLESTON Rd ON-RAMP CLOSURE



FOR NOTES AND LEGEND SEE SHEET CS-1

US 101 SB ON RAMP CLOSURE FROM CHARLESTON Rd

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY

CONSTRUCTION AREA SIGNS

NO SCALE

CS-16

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE

CALCULATED-DESIGNED BY: AILEEN CABICO
CHECKED BY: RUTA JARIWALA

REVISED BY
DATE REVISED

LAST REVISION 10-20-10
DATE PLOTTED => 11/5/2010
TIME PLOTTED => 1:02:40 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCl	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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NOTES

1. THE PCMS SHOULD BE INSTALLED AND TURNED ON SEVEN (7) DAYS PRIOR TO SHORELINE Blvd OFF-RAMP CLOSURE. THE PCMS MESSAGE SHOULD READ.....

SHORELINE Blvd OFF-RAMP CLOSED ON → DATE & TIME

2. DURING SHORELINE Blvd OFF-RAMP CLOSURE, THE PCMS MESSAGE SHOULD READ.....

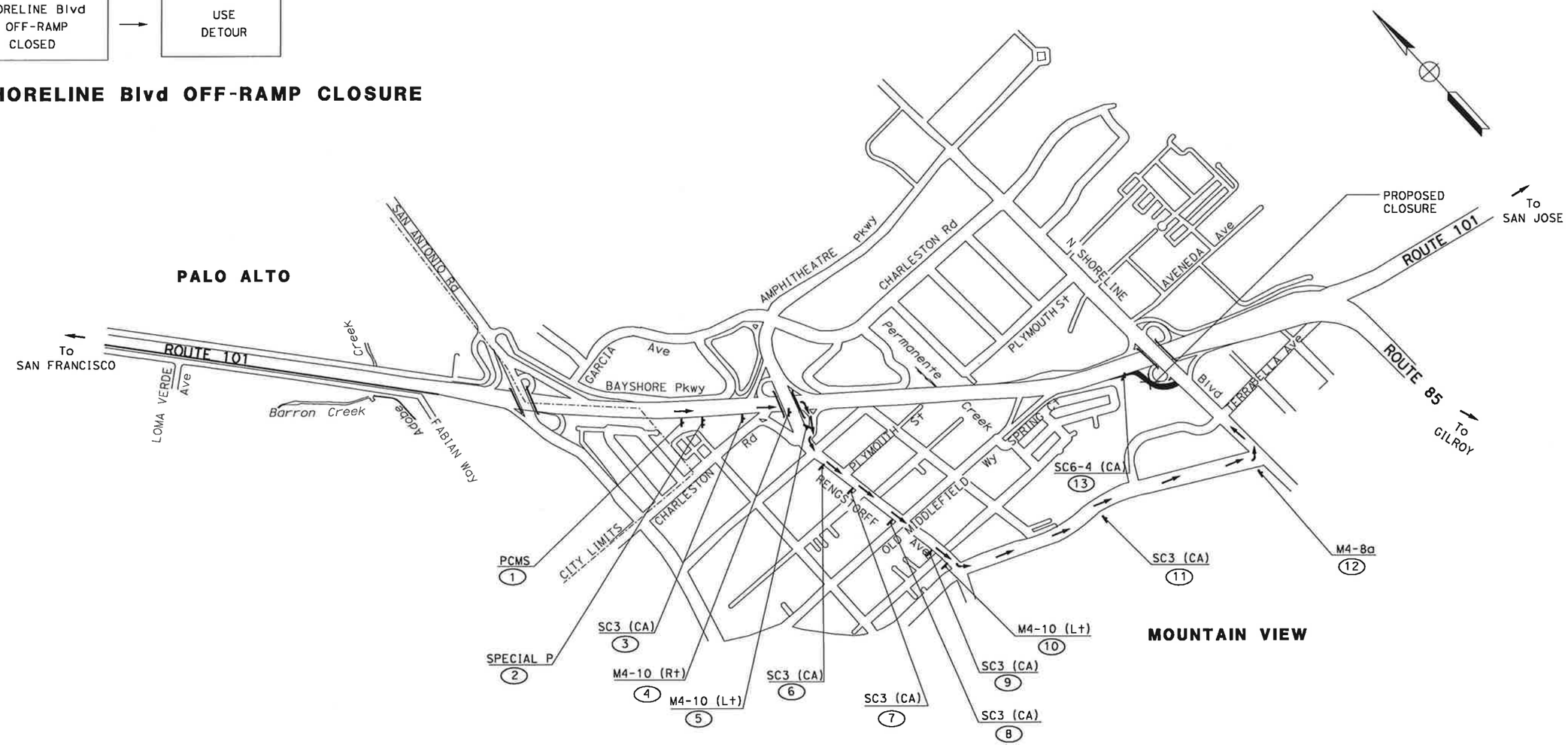
SHORELINE Blvd OFF-RAMP CLOSED → USE DETOUR

SHORELINE Blvd OFF-RAMP CLOSED ON
DATE TIME

SHORELINE Blvd OFF-RAMP CLOSED
USE DETOUR

SPECIAL (P)

SHORELINE Blvd OFF-RAMP CLOSURE



US 101 SB OFF-RAMP CLOSURE TO SHORELINE Blvd

FOR NOTES AND LEGEND SEE SHEET CS-1

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY

CONSTRUCTION AREA SIGNS

NO SCALE

CS-17

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE
CALCULATED-DESIGNED BY: AILEEN CABICO
CHECKED BY: RUTA JARIWALA
REVISED BY
DATE REVISED

LAST REVISION 10-20-10 | DATE PLOTTED => 11/5/2010 | TIME PLOTTED => 1:02:41 PM

BORDER LAST REVISED 7/2/2010 | USERNAME => prashanth_dullu | DGN FILE => ...\44a3301a017.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0712 | PROJECT NUMBER & PHASE 0400011261

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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San Jose, CA 95134

NOTES

1. THE PCMS SHOULD BE INSTALLED AND TURNED ON SEVEN (7) DAYS PRIOR TO US 101 NB OFF-RAMP CLOSURE. THE PCMS MESSAGE SHOULD READ.....

US 101 NB OFF-RAMP CLOSED ON → DATE & TIME

2. DURING US 101 NB OFF-RAMP CLOSURE, THE PCMS MESSAGE SHOULD READ.....

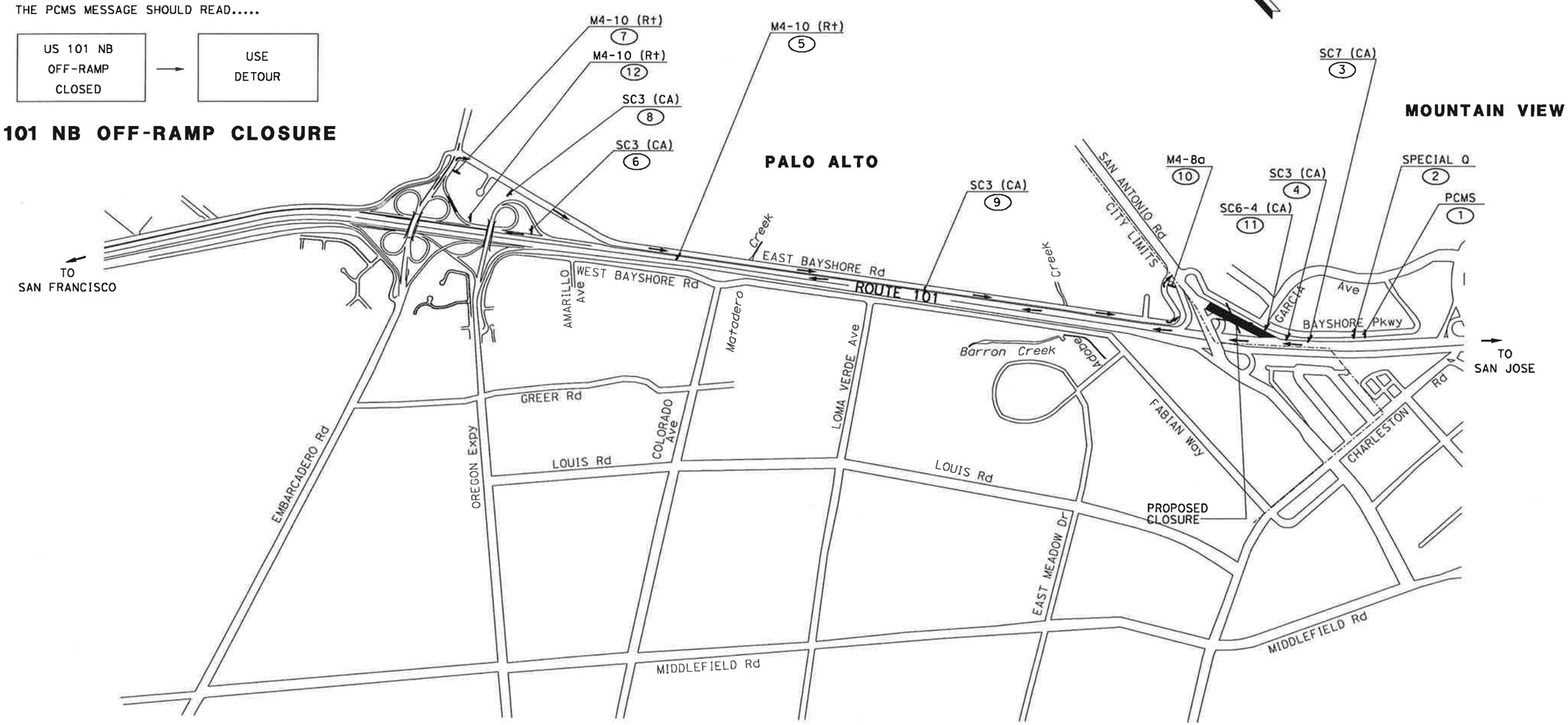
US 101 NB OFF-RAMP CLOSED → USE DETOUR

US 101 NB OFF-RAMP CLOSURE

US 101 NB OFF-RAMP CLOSED ON
DATE
TIME

US 101 NB OFF-RAMP CLOSED
USE
DETOUR

SPECIAL Q



FOR NOTES AND LEGEND SEE SHEET CS-1

US 101 NB OFF-RAMP CLOSURE TO SAN ANTONIO Rd

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY

CONSTRUCTION AREA SIGNS

NO SCALE

CS-18

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE
CALCULATED-DESIGNED BY: AILEEN CABICO
CHECKED BY: RUTA JARIWALA
REVISED BY
DATE REVISED

LAST REVISION 10-20-10
DATE PLOTTED => 11/5/2010
TIME PLOTTED => 1:02:42 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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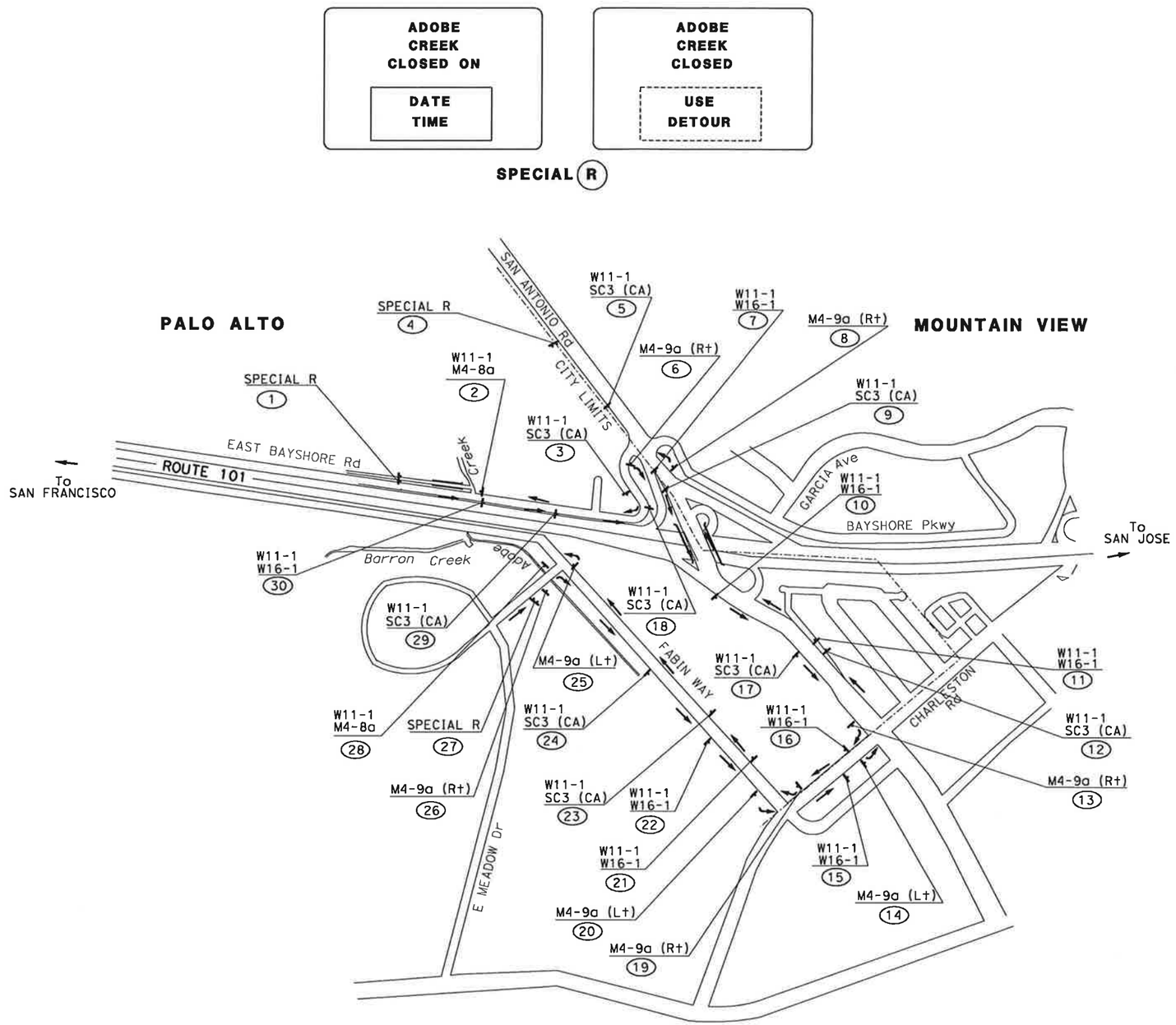

ADOBE CREEK CLOSURE
US 101 UNDERCROSSING

FOR NOTES AND LEGEND SEE SHEET CS-1

CONSTRUCTION AREA SIGNS
NO SCALE

CS-19

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY	CHECKED BY
AILEEN CABICO	RUTA JARIWALA

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE

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Caltrans® TRAFFIC DESIGN

LAST REVISION 10-20-10 | DATE PLOTTED => 11/5/2010 TIME PLOTTED => 11:02:43 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCl	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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Santa Clara Valley
Transportation Authority
3331 N First Street
San Jose, CA 95134

US 101 SB ON-RAMP CLOSED ON
DATE TIME

US 101 SB ON-RAMP CLOSED
USE DETOUR

SPECIAL (S)

NOTES

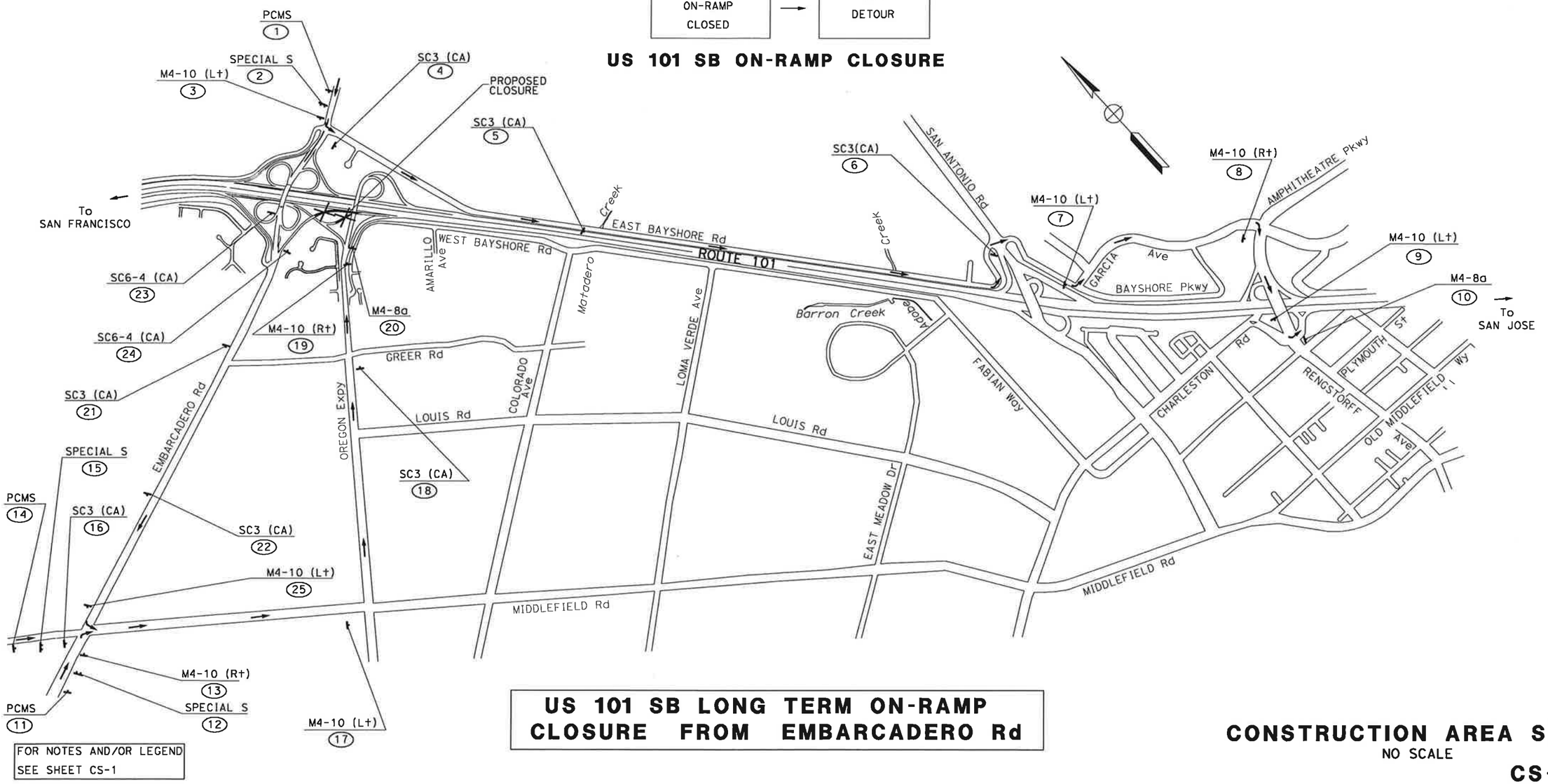
1. THE PCMS SHOULD BE INSTALLED AND TURNED ON SEVEN (7) DAYS PRIOR TO US 101 SB ON-RAMP CLOSURE. THE PCMS MESSAGE SHOULD READ.....

US 101 SB ON-RAMP CLOSED ON → DATE & TIME

2. DURING US 101 SB ON-RAMP CLOSURE, THE PCMS MESSAGE SHOULD READ.....

US 101 SB ON-RAMP CLOSED → USE DETOUR

US 101 SB ON-RAMP CLOSURE



US 101 SB LONG TERM ON-RAMP CLOSURE FROM EMBARCADERO Rd

FOR NOTES AND/OR LEGEND SEE SHEET CS-1

CONSTRUCTION AREA SIGNS

NO SCALE

CS-20

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE
CALCULATED-DESIGNED BY: AILEEN CABICO
CHECKED BY: RUTA JARIWALA
REVISED BY
DATE REVISED

LAST REVISION 10-20-10
DATE PLOTTED => 11/5/2010
TIME PLOTTED => 1:02:45 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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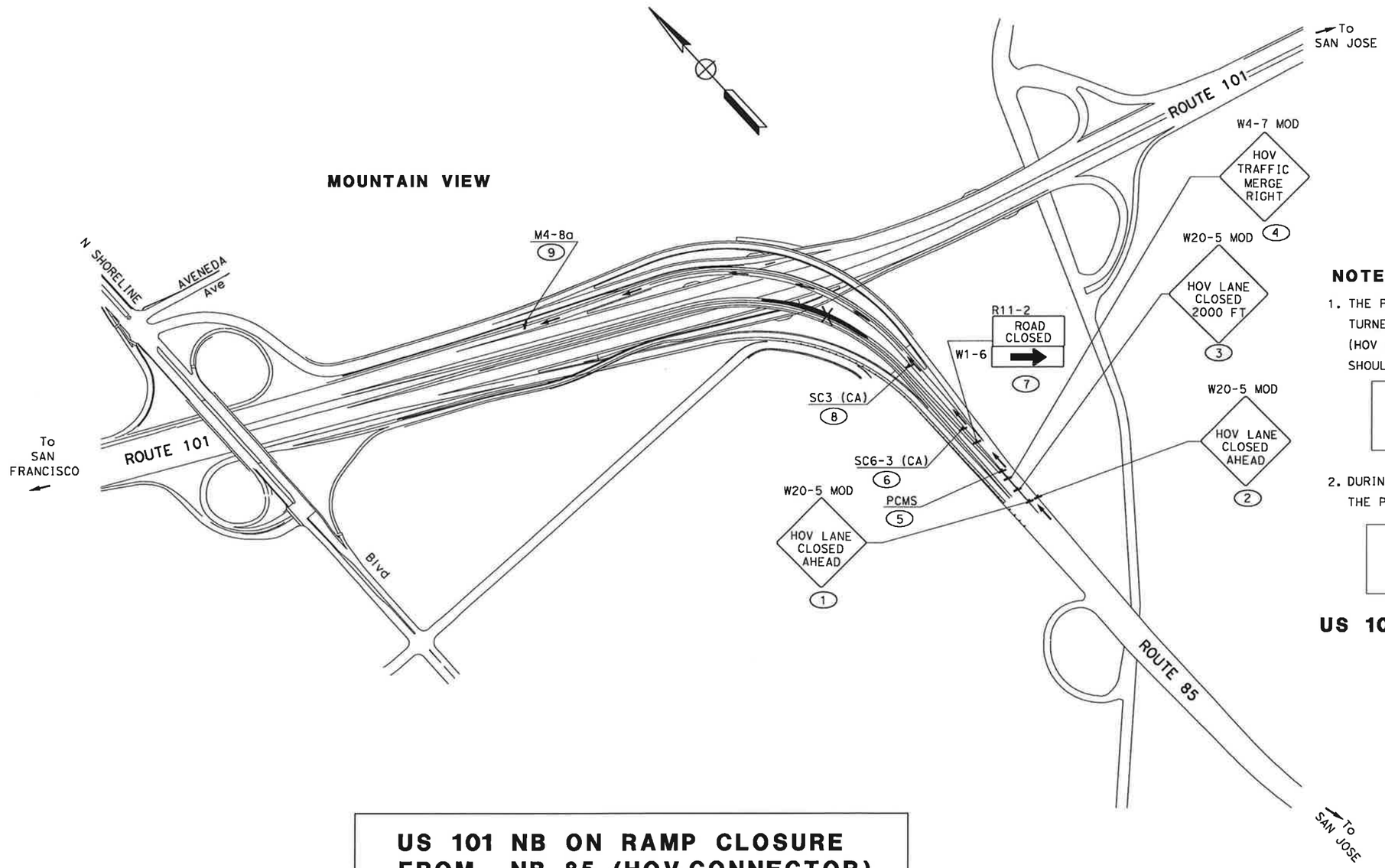

NOTES

1. THE PCMS SHOULD BE INSTALLED AND TURNED ON PRIOR TO US 101 NB ON-RAMP (HOV CONNECTOR) CLOSURE.THE PCMS MESSAGE SHOULD READ.....

   HOV LANE CLOSED ON → DATE & TIME

2. DURING US 101 NB ON-RAMP (HOV CONNECTOR) CLOSURE, THE PCMS MESSAGE SHOULD READ.....

   HOV LANE CLOSED → USE DETOUR

US 101 NB ON-RAMP CLOSURE (HOV CONNECTOR)

US 101 NB ON RAMP CLOSURE FROM NB 85 (HOV CONNECTOR)

CONSTRUCTION AREA SIGNS

NO SCALE

CS-21

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE
CALCULATED-DESIGNED BY: AILEEN CABICO
CHECKED BY: RUTA JARIWALA
REVISED BY
DATE REVISED

LAST REVISION 10-20-10
DATE PLOTTED => 11/5/2010
TIME PLOTTED => 1:02:46 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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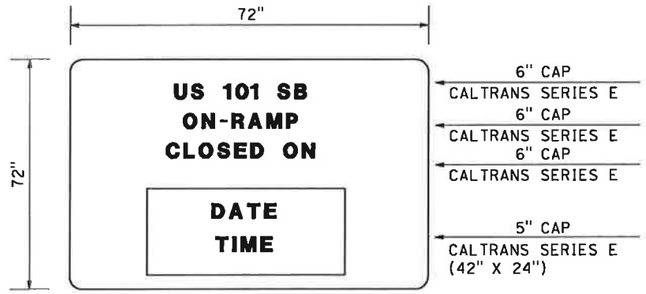
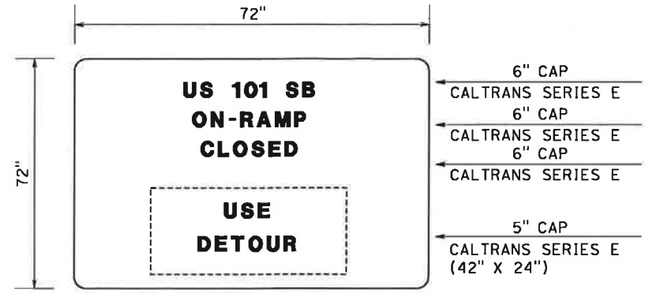
San Jose, CA 95113

Santa Clara Valley Transportation Authority
3331 N First Street
San Jose, CA 95134

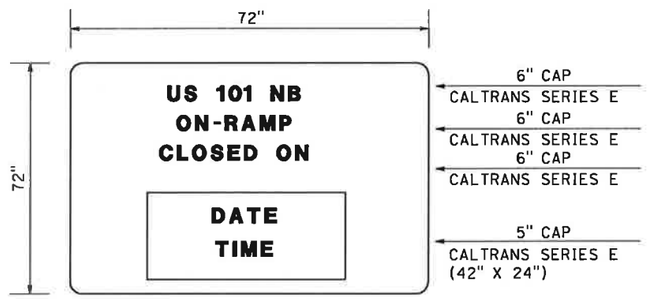
NOTE: FOR ALL SIGN PANELS, BACKGROUND IS ORANGE COLOR AND LEGEND IS BLACK

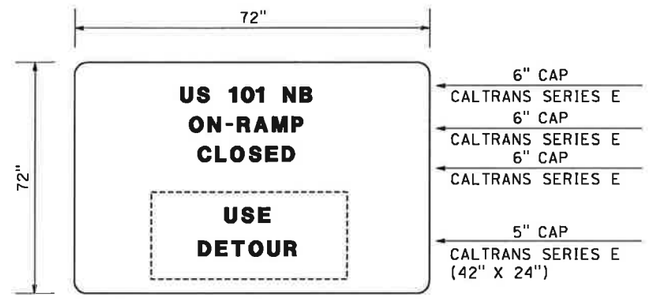




SPECIAL (A)

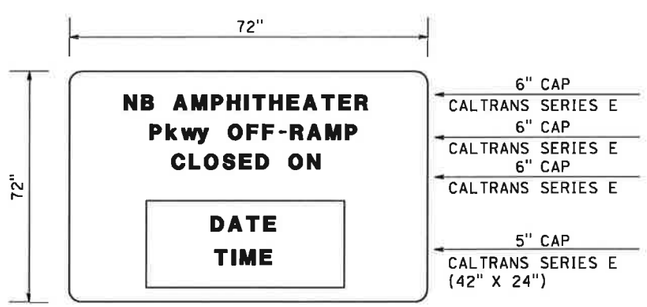
INSTALL SIGN 7 DAYS
PRIOR TO US 101 SB
ON-RAMP CLOSURE

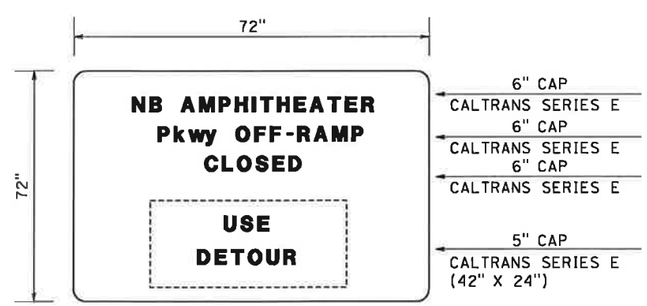




SPECIAL (B)

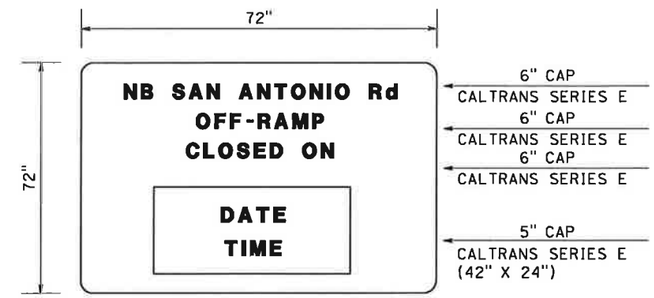
INSTALL SIGN 7 DAYS
PRIOR TO US 101 NB
ON-RAMP CLOSURE

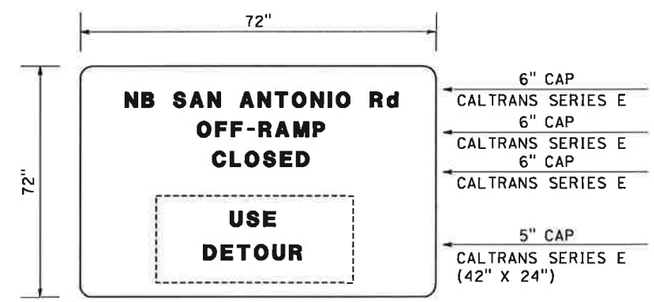




SPECIAL (C)

INSTALL SIGN 7 DAYS
PRIOR TO NB AMPHITHEATER Pkwy
OFF-RAMP CLOSURE





SPECIAL (D)

INSTALL SIGN 7 DAYS
PRIOR TO NB SAN ANTONIO Rd
OFF-RAMP CLOSURE

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CONSTRUCTION AREA SIGNS

NO SCALE

CS-22

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE
CALCULATED-DESIGNED BY: AILEEN CABICO
CHECKED BY: RUTA JARIWALA
REVISED BY / DATE REVISED

LAST REVISION 10-20-10 DATE PLOTTED => 11/5/2010 TIME PLOTTED => 1:02:47 PM

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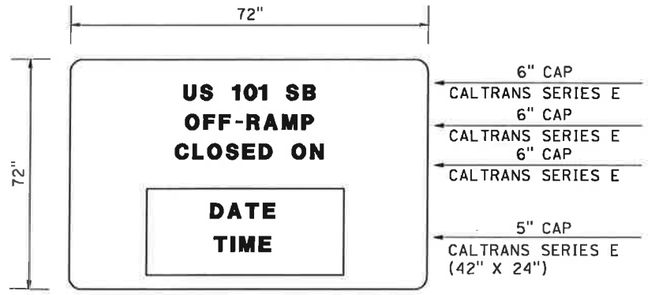

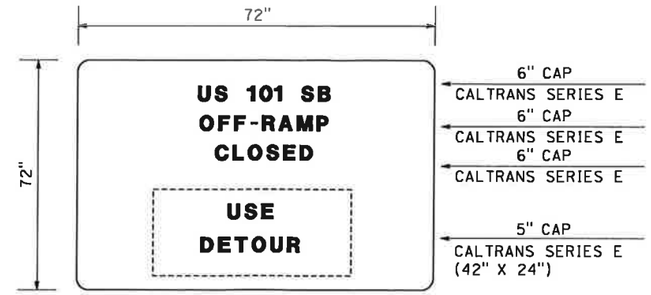

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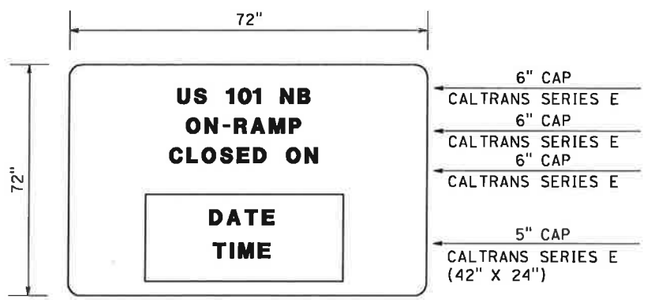
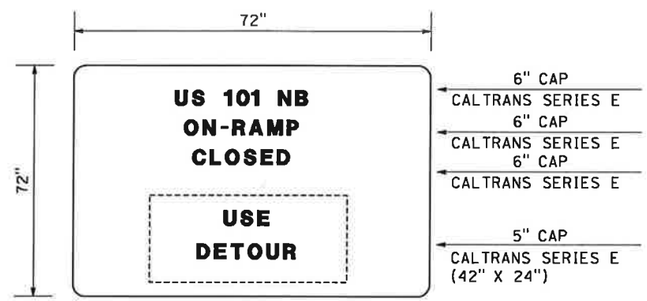
INSTALL SIGN 7 DAYS
PRIOR TO US 101 SB
OFF-RAMP CLOSURE





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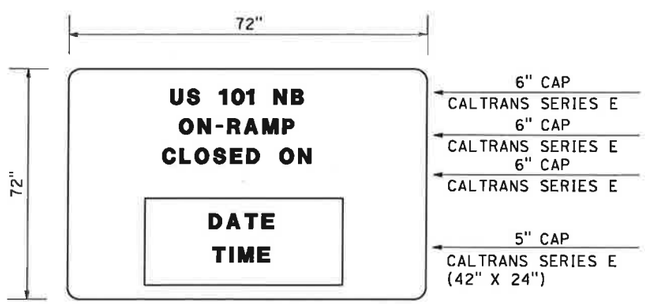
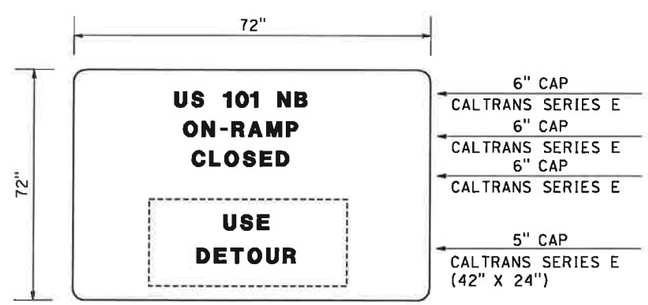
INSTALL SIGN 7 DAYS
PRIOR TO US 101 NB
ON-RAMP CLOSURE





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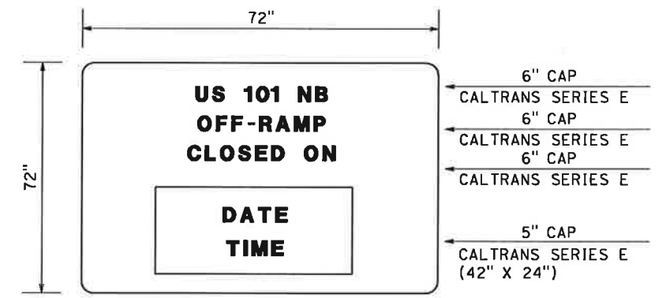
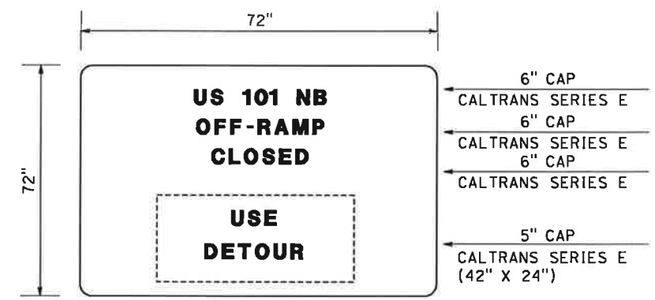
INSTALL SIGN 7 DAYS
PRIOR TO US 101 NB
ON-RAMP CLOSURE





SPECIAL (H)

INSTALL SIGN 7 DAYS
PRIOR TO US 101 NB
OFF-RAMP CLOSURE

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CONSTRUCTION AREA SIGNS

NO SCALE

CS-23

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCl	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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Caltrans
TRAFFIC DESIGN

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE
CALCULATED-DESIGNED BY: AILEEN CABICO
CHECKED BY: RUTA JARIWALA
REVISED BY
DATE REVISED

LAST REVISION 10-20-10
DATE PLOTTED => 11/5/2010
TIME PLOTTED => 11:02:48 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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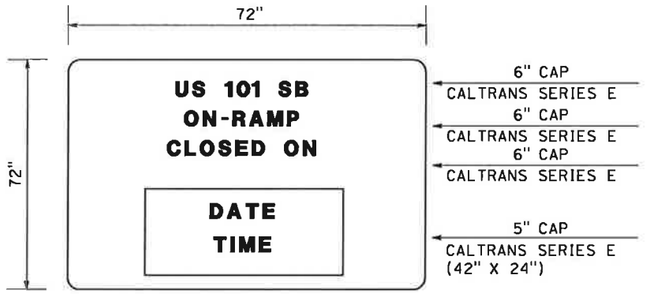

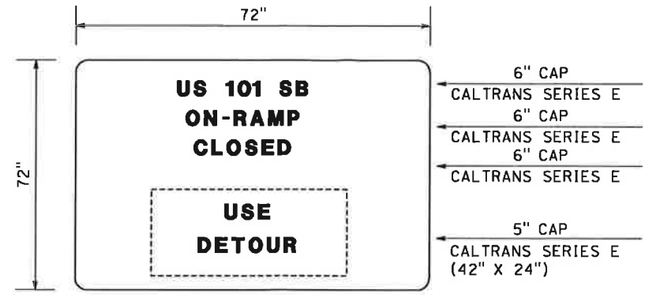

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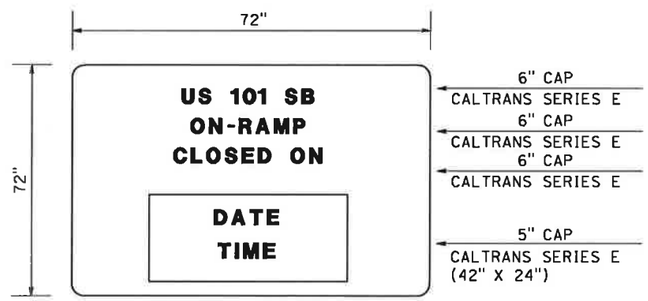
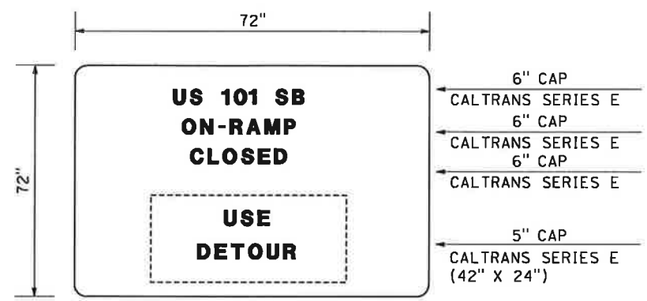
INSTALL SIGN 7 DAYS
PRIOR TO US 101 SB
ON-RAMP CLOSURE





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INSTALL SIGN 7 DAYS
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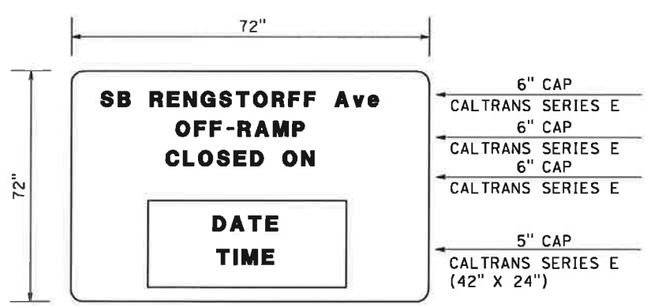
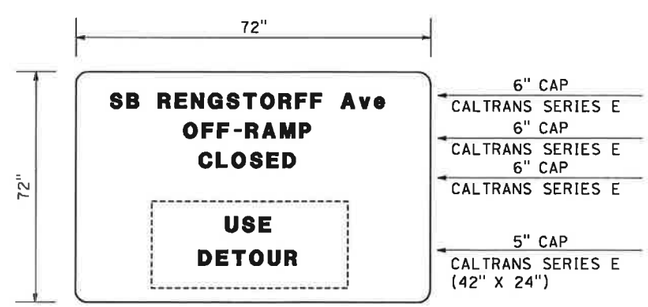
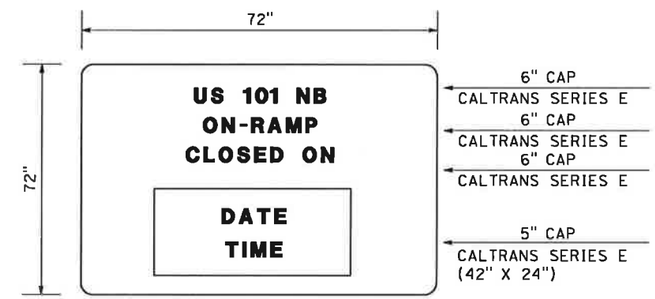
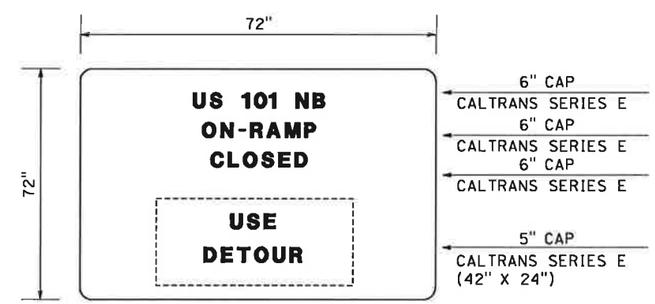




SPECIAL (K)

INSTALL SIGN 7 DAYS
PRIOR TO RENGSTORFF
Ave OFF-RAMP CLOSURE





SPECIAL (L)

INSTALL SIGN 7 DAYS
PRIOR TO US 101 NB
ON-RAMP CLOSURE

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CONSTRUCTION AREA SIGNS

NO SCALE

CS-24

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY	CHECKED BY
AILEEN CABICO	RUTA JARIWALA

CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

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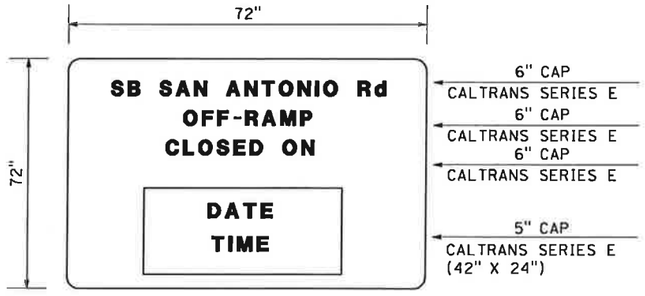
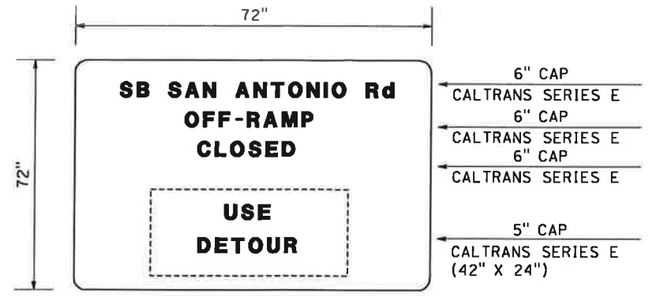
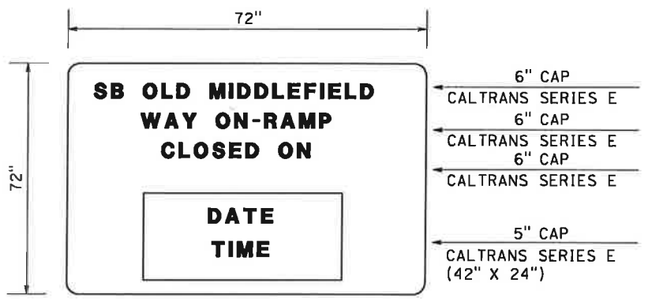
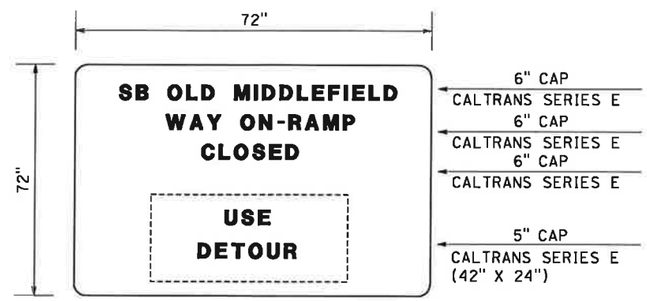




SPECIAL (M)

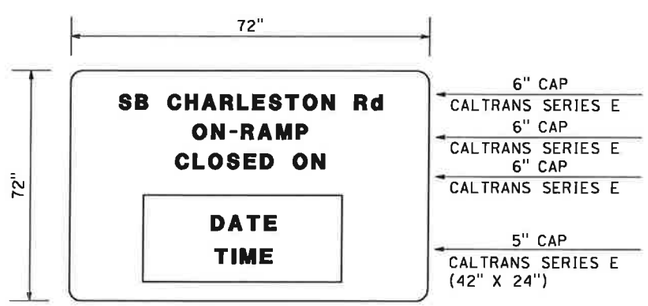
INSTALL SIGN 7 DAYS
PRIOR TO SB SAN ANTONIO Rd
OFF-RAMP CLOSURE

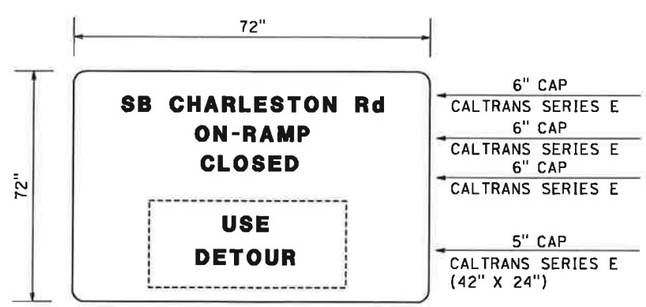




SPECIAL (N)

INSTALL SIGN 7 DAYS
PRIOR TO SB OLD MIDDLEFIELD
WAY ON-RAMP CLOSURE





SPECIAL (O)

INSTALL SIGN 7 DAYS
PRIOR TO SB CHARLESTON Rd
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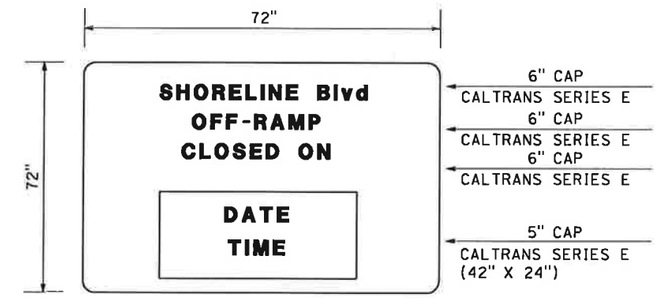

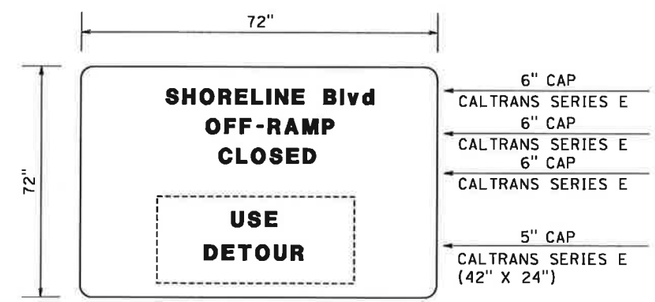

SPECIAL (P)

INSTALL SIGN 7 DAYS
PRIOR TO SHORELINE Blvd
OFF-RAMP CLOSURE

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CONSTRUCTION AREA SIGNS

NO SCALE

CS-25

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE
CALCULATED-DESIGNED BY: AILEEN CABICO
CHECKED BY: RUTA JARIWALA
REVISED BY
DATE REVISED

LAST REVISION 10-20-10
DATE PLOTTED => 11/5/2010
TIME PLOTTED => 1:02:49 PM

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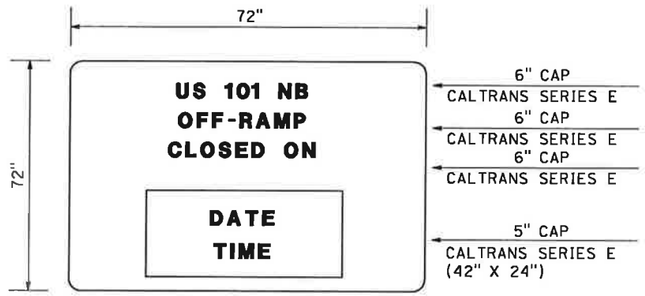

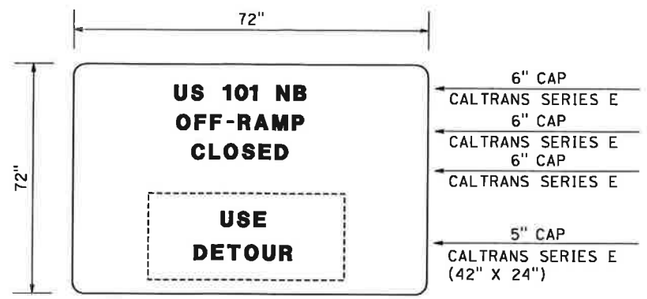

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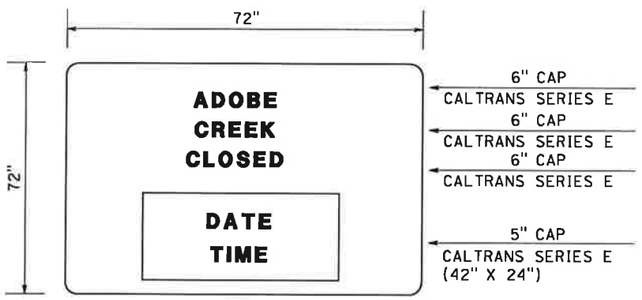
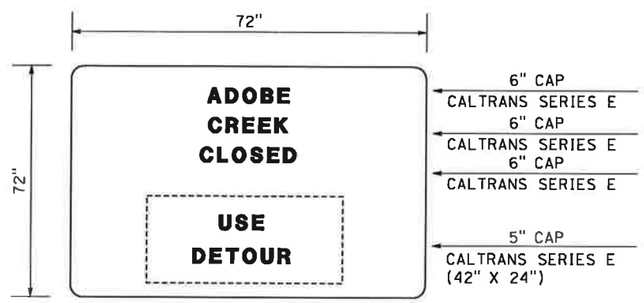
INSTALL SIGN 7 DAYS
PRIOR TO US 101 NB
OFF-RAMP CLOSURE





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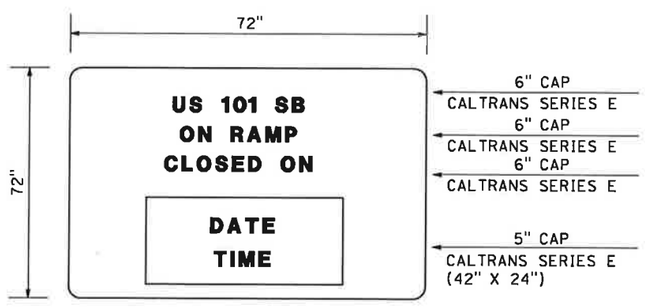

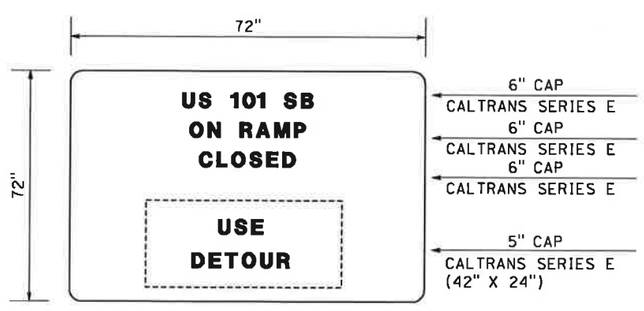

SPECIAL (S)

INSTALL SIGN 7 DAYS
PRIOR TO
US 101 SB LONG TERM
ON RAMP CLOSURE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4	SCI	101	48.7/52.0		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RUTA JARIWALA No. C-73840 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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CONSULTANT FUNCTIONAL SUPERVISOR: CHRISTOPHER LILLIE

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REVISED BY | DATE REVISED

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Appendix E
Liquidated Damages

DAMAGE CALCULATIONS FOR LATE LANE CLOSURE PICK UP

Route : Highway 101 - Sonoma County
Location Between Shoreline Boulevard/Middlefield Road (48.51)and Oregon Expressway/Embarcadero Road (52.28)
Traffic Date 2013 Projected based on Year 2006 Caltrans Traffic Data
Direction Northbound
Condition
Closure One Lane Mainline Closure
Capacity **1,500** VPH per Lane

Hour of Day	Demand	Capacity	Cum Demand	Available Capacity	Cum Queue	Average Queue	Time interval	Delay interval	unit delay cost	total delay cost
	a	b	c	d	e	f	g	h	j	k
	a	b	a1+a2+...	b	c-d	(e1+e2)/2		fxg	R24C3	hxj
	VEH	VEH	VPH	VEH	VEH	VEH	min	Vehxmin	$	$
05-06 AM	**4,140**	1,500	4140	1500	2640	1320	60	79200	$0.217	$17,186
06-07 AM	**9,729**	1,500	13869	1500	10869	6755	60	405270	$0.217	$87,944
07-08 AM	**14,375**	1,500	28244	1500	23744	17307	60	1038390	$0.217	$225,331

Truck % = **10%** (from Truck percentage book)
Unit delay cost = $0.217 [C= 0.19 (1-T%)+0.46xT%]
(Based on $.19 for VEH and $.46 for truck.

Average delay cost of 2 first hours 87,944 $
Delay cost
for 10 min = 87944 /6 = **14,657** $
Maximum to 3 hours cap = 14657 x18= 263,831 $ This number may not be need in the Specs
Direction for use : You just enter demand, Capacity and truck % in the boxes . Then you read the penalty delay at the end of this page.

DAMAGE CALCULATIONS FOR LATE LANE CLOSURE PICK UP

Route : Highway 101 - Sonoma County
Location Between Shoreline Boulevard/Middlefield Road (48.69) and Oregon Expressway/Embarcadero Road (52.40)
Traffic Date 2013 Projected based on Year 2006 Caltrans Traffic Data
Direction Southbound
Condition
Closure One Lane Mainline Closure
Capacity **1,500** VPH per Lane

Hour of Day	Demand	Capacity	Cum Demand	Available Capacity	Cum Queue	Average Queue	Time interval	Delay interval	unit delay cost	total delay cost
	a	b	c	d	e	f	g	h	j	k
	a	b	a1+a2+...	b	c-d	(e1+e2)/2		fxg	R24C3	hxj
	VEH	VEH	VPH	VEH	VEH	VEH	min	Vehxmin	$	$
05-06 AM	**1,795**	1,500	1795	1500	295	148	60	8850	$0.217	$1,920
06-07 AM	**4,160**	1,500	5955	1500	2955	1625	60	97500	$0.217	$21,158
07-08 AM	**6,484**	1,500	12439	1500	7939	5447	60	326820	$0.217	$70,920

Truck % = **10%** (from Truck percentage book)
Unit delay cost = $0.217 [C= 0.19 (1-T%)+0.46xT%]
(Based on $.19 for VEH and $.46 for truck.

Average delay cost of 2 first hours 21,158 $
Delay cost
for 10 min = 21158 /6 = **3,526** $
Maximum to 3 hours cap = 3526 x18= 63,473 $ This number may not be need in the Specs
Direction for use : You just enter demand, Capacity and truck % in the boxes . Then you read the penalty delay at the end of this page.

Appendix F
Road User Delay Cost

Traffic Demand during implementation of Lane Closures along Freeway Mainline (Northbound)

Shoreline Boulevard/Middlefield Road and Oregon Expressway/Embarcadero Road		
	Weekdays	**Weekends**
	4,975	5,773
	2,809	4,726
	1,435	3,206
	800	2,615
	636	1,587
	662	1326
	1268	787
		877
		1341
		2120
		2966
Total Demand during Lane Closure	**12,585**	**27,324**

Traffic Demand during implementation of Lane Closures along Freeway Mainline (Southbound)

Shoreline Boulevard/Middlefield Road and Oregon Expressway/Embarcadero R		
	Monday - Friday	Saturday - Sunday
	2,405	2,951
	1,478	2,679
	857	2,132
	523	1,613
	510	1,065
	320	957
	543	613
		460
		668
		1,071
		1,877
Total Demand during Lane Closure	**6,636**	**16,086**

Summary of Road User Delay Cost Calculations for the 101 Auxiliary Project in Santa Clara County

Mile Post		Direction	Segment	Purpose	Speed Reduction	Queue Delay	Detour Delay in Minutes	Distance	Travel Time @ 65mph (Hours)	Travel Time at Reduced Speed (Hours)	Difference in Travel Time		Road User Delay Cost per Day		Road User Delay Cost for the Construction Period		Total
											Hours	Minutes	Weekdays	Weekends	Weekdays	Weekends	
48.7	52.0	Northbound	between Shoreline Boulevard/Middlefield Road and Oregon Expressway/Embarcadero Road	Traffic slowing down due to construction activities, approximately 245 days	10	0	0	3.30	0.05	0.06	0.01	0.55	$ 1,513	$ 3,284	$ 697	$ 605	$ 1,301
51.9	48.7	Southbound	between Shoreline Boulevard/Middlefield Road and Oregon Expressway/Embarcadero Road	Traffic slowing down due to construction activities, approximately 245 days	10	0	0	3.20	0.05	0.06	0.01	0.54	$ 773	$ 1,875	$ 356	$ 345	$ 702
48.7	52.0	Northbound	between Shoreline Boulevard/Middlefield Road and Oregon Expressway/Embarcadero Road	Traffic slowing down due to temporary lane closures (Temporary K-Rail, Striping, Overlay and Miscellaneous) for approximately 245 days	15	0	0	3.30	0.05	0.07	0.02	0.91	$ 2,496	$ 5,418	$ 1,149	$ 998	$ 2,147
51.9	48.7	Southbound	between Shoreline Boulevard/Middlefield Road and Oregon Expressway/Embarcadero Road	Traffic slowing down due to temporary lane closures (Temporary K-Rail, Striping, Overlay and Miscellaneous) for approximately 245 days	15	0	0	3.20	0.05	0.06	0.01	0.89	$ 1,276	$ 3,093	$ 588	$ 570	$ 1,157
Total Calculated Road User Delay Cost															**$ 2,789.70**	**$ 2,518.23**	**$ 5,307.93**

Notes
1. Construction Period is approximately 13 months (380 Days)
2. It is projected that the speed along the freeway mainline will be reduced by 10 miles per hour when construction activites are in progress within the Construction Area
3. It is assumed that 90 percent of the total traffic demand during the lane closure implementation is automobiles and 10 percent is heavy vehicles
4. Travel time cost for automobile is assumed to be $ 0.19 per minute and $ 0.46 per minute for trucks