


Agenda Report Reviewed by:  
City Manager: 

CITY OF SEBASTOPOL  
CITY COUNCIL  
AGENDA ITEM

Meeting Date: April 6, 2021  
To: Honorable Mayor and City Councilmembers  
From: Toni Bertolero, Consulting Engineer  
Subject: Adoption of Resolution of Local Support and Approval of Letter of Support for the SR 116 and Bodega Avenue Pedestrian Access and Mobility Improvements for the OBAG 2/Quick Strike Grant Application  
Recommendation: Adopt a Resolution of Local Support; and Approve a Letter of Support  
Funding: Currently Budgeted: \_\_\_ Yes \_\_\_ No XX N/A  
Net General Fund Cost: None

Account Code/Costs authorized in City Approved Budget AK (verified by Administrative Services Department)

**INTRODUCTION/PURPOSE:**

The OBAG 2/Quick Strike grant application for the Bodega Avenue Pedestrian Access and Mobility Improvements was submitted to the Sonoma County Transportation Authority (SCTA) on February 19, 2021. One of the requirements of the grant is that a Resolution of Local Support be adopted and provided to SCTA by May 2021. In addition, while SCTA will forward the City’s grant application to the Metropolitan Transportation Commission (MTC) for further consideration, the City’s project is “below the line” of recommended projects. For this reason, several Councilmembers suggested that a letter also be submitted urging SCTA’s support of the City’s grant application when the list of recommended projects is presented to MTC in June 2021.

This item is for the adoption of the Resolution of Local Support; and approval of the Letter of Support. The proposed action supports Council’s Goal #4, *Maintain and Enhance the City as Walkable/Bike-able Community*.

**BACKGROUND:**

In January 2021, SCTA released a “call for projects” from eligible agencies who may have a transportation infrastructure project that can be implemented quickly to benefit communities. In other words, the project must be “shovel ready” and this criterion was emphasized by SCTA staff. The program also emphasizes bicycle/pedestrian safety and mobility, transit and transit access improvements, connected mobility, advancing equitable mobility, or other near-term strategies to advance transit recovery and connected mobility. The program selection is performance based and is a federal-aid transportation program. There is a nomination target of approximately \$3-\$4 million in programming for the entire county.

At the meeting of February 16, 2021, Council authorized staff to work with W-Trans to submit an OBAG 2/Quick Strike grant application. On February 19, 2021, staff and W-Trans submitted a grant application with SCTA for the Bodega Avenue Pedestrian Access and Mobility Improvements project. The proposed grant project includes the State Route 116 ADA Sidewalk Ramps Project No. 2019-01 that was bid last year but not awarded due to funding constraints, and, pedestrian safety improvements at two (2) locations: Bodega Avenue/Florence Avenue, and Bodega Avenue/Robinson Road. A map of the proposed improvements is included in the attachment.

that regional agencies (such as SCTA) be allowed to submit *new* projects not previously included in the initial list. Scoring and ranking of all initially submitted projects not selected (such as Sebastopol's) and new projects will be ranked resulting in a new list of nominations added to the initial recommended list.

**DISCUSSION:**

Staff has confirmed that SCTA staff submitted a new project from the County of Sonoma requesting approximately \$1 million. Not only will Sebastopol's project be competing with this new County project, Sebastopol will also be competing against other projects from other Bay Area local agencies not selected in the first round as well as new projects from the second round. While this additional funding is certainly good news for Sebastopol because it allows the City another opportunity, it is not guaranteed that we will secure funding in the second round. The Board will consider the additional funding recommendation for the program at the May 26 Board meeting. MTC staff is currently reviewing and ranking the second round of projects and will present their final list at the June 30 Board meeting.

The letter to SCTA Executive Director asking support for the City's project is similar in tone to the first letter dated April 6, 2021, with more urgency in its request. The letter, if signed by the Mayor, is proposed to be submitted to both SCTA and MTC staff. The letter will also be provided to each SCTA Board Director at their May 10, 2021 BOD meeting.

**PUBLIC COMMENT:**

As of the writing of this staff report, the City has not received any public comment. However, if staff receives public comment from interested parties following the publication and distribution of this staff report, such comments will be provided to the City Council as supplemental materials before or at the meeting. In addition, public comments may be offered during the public comment portion of this item.

**PUBLIC NOTICE:**

This item was noticed in accordance with the Ralph M. Brown Act and was available for public viewing and review at least 72 hours prior to schedule meeting date.

**FISCAL IMPACT:**

The estimated construction cost is \$928,320. The grant (net) would reduce the City's impact to the various fund sources by \$421,403, which is the amount of the grant (\$476,000) minus the 11.47% match (\$54,597). If awarded, the project funds would be programmed in Fiscal Year 2022-23. The fund sources and amounts:

|                       |                 |
|-----------------------|-----------------|
| Grant (net)           | \$421,403.      |
| Measure M             | 89,982.         |
| Traffic Impact Fee    | 314,143.        |
| Road Maintenance SB 1 | <u>102,792.</u> |
| Total                 | \$928,320.      |

**RECOMMENDATION:**

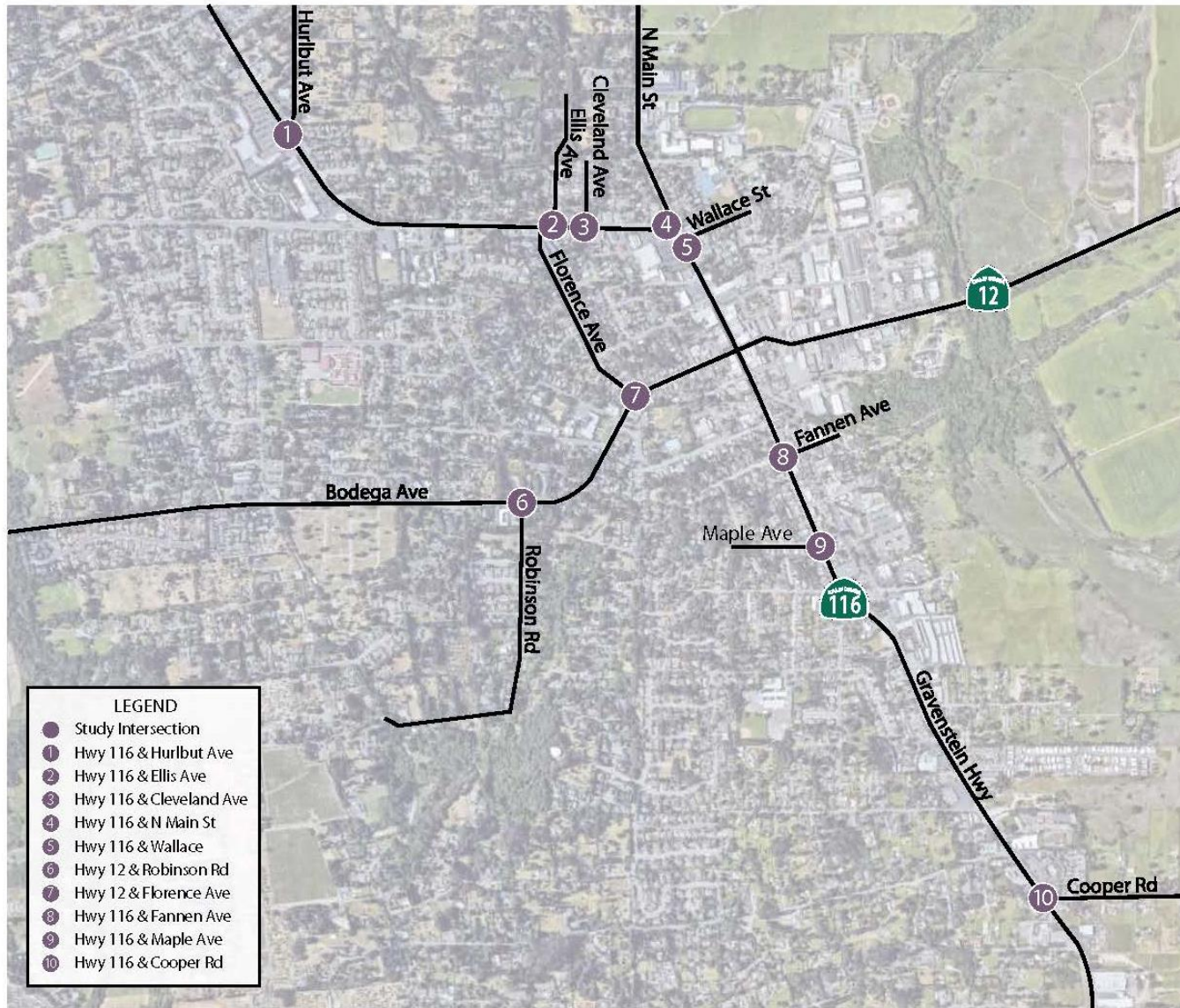
It is recommended that the City Council approve the letter to SCTA urging support for the SR 116 and Bodega Avenue Pedestrian Access and Mobility Improvements for the Quick Strike Grant Application and authorizing the Mayor to sign the letter on behalf of the City Council.

**ATTACHMENTS:**

Map showing Project Improvements  
Draft Letter Urging Support of the City's project  
Letter of Support dated April 6, 2021

ATTACHMENT A

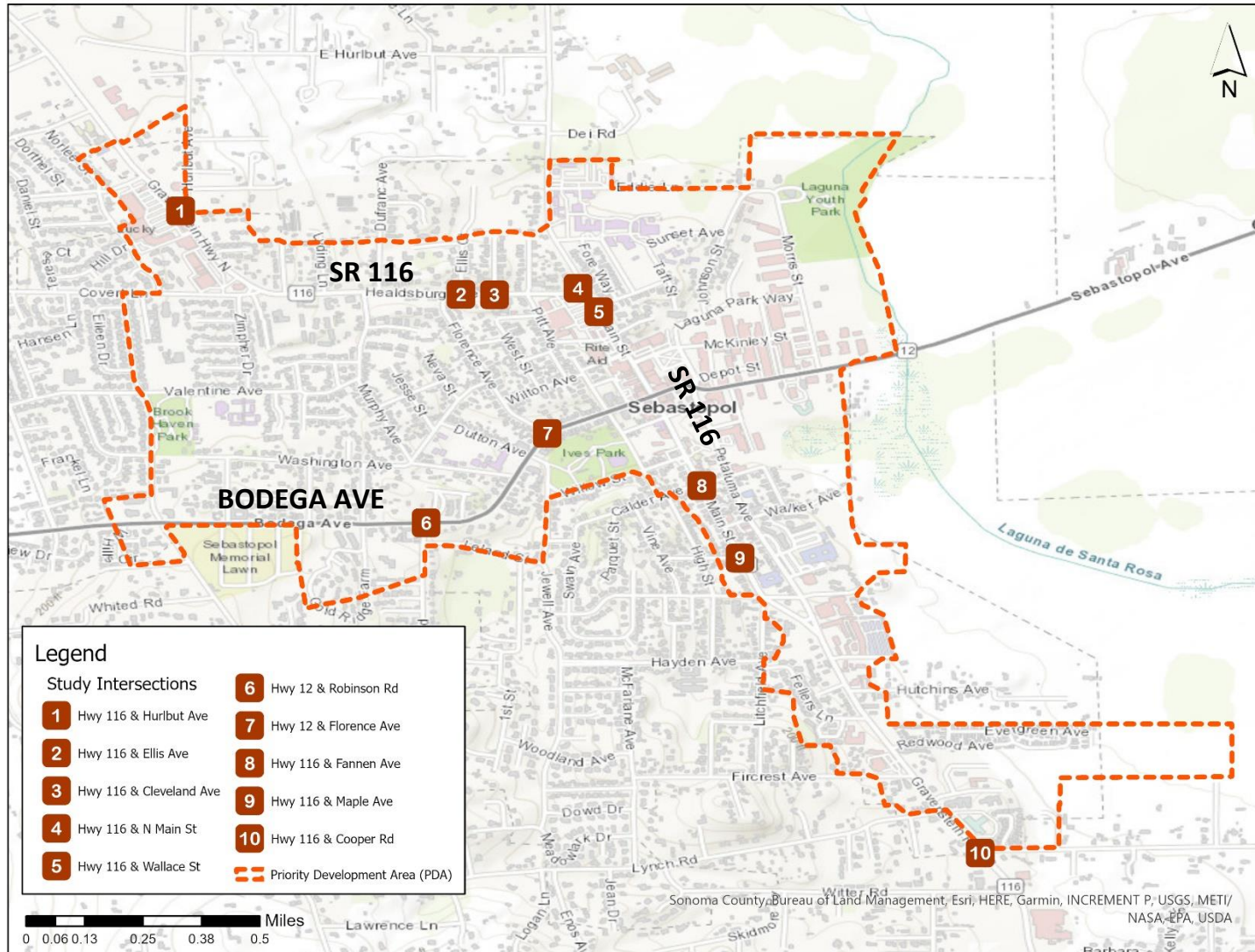
Priority Development Area (PDA), City of Sebastopol  
SR 116 and Bodega Avenue Pedestrian Access and Mobility Enhancements





ATTACHMENT B

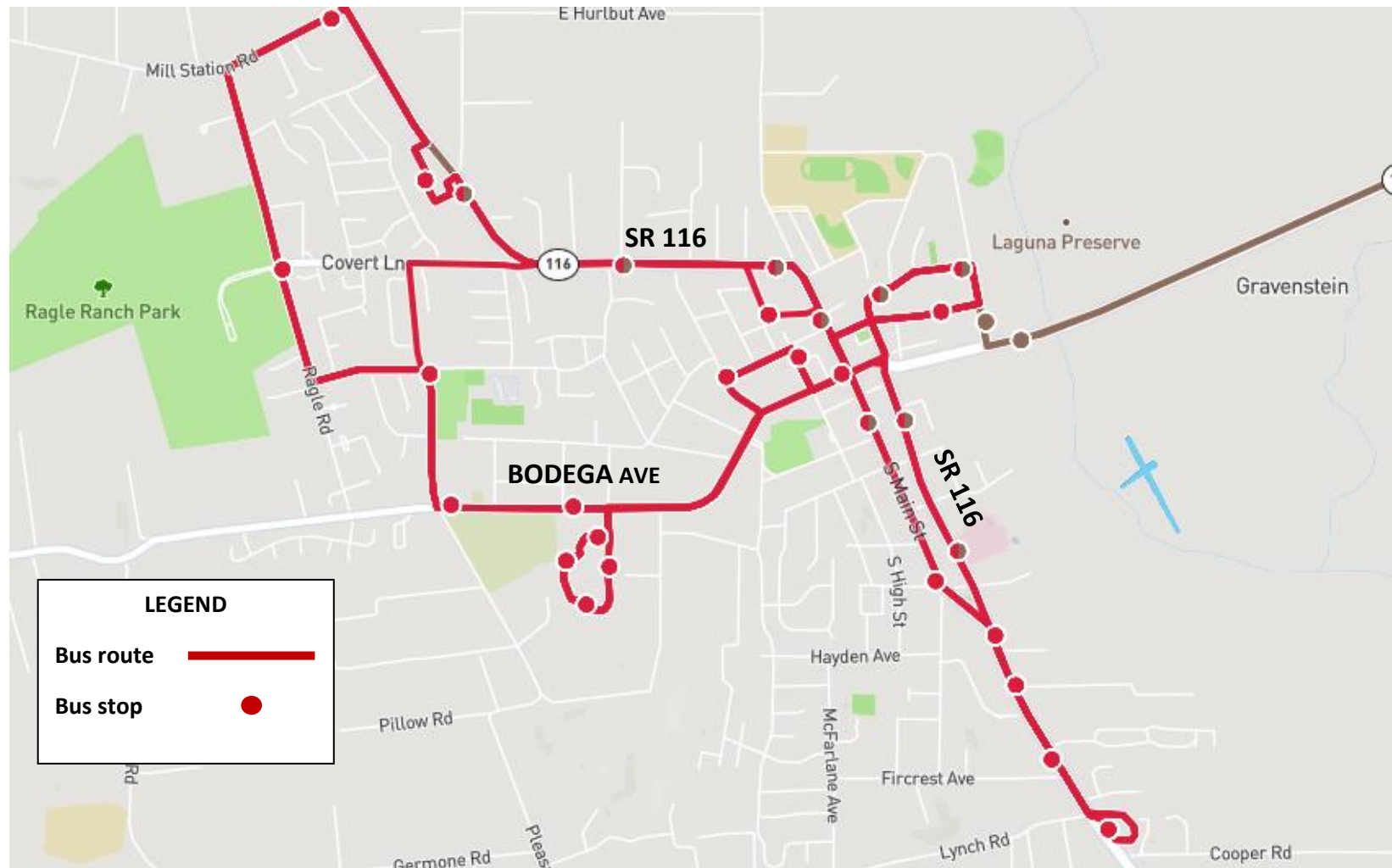
Priority Development Area (PDA), City of Sebastopol  
 SR 116 and Bodega Avenue Pedestrian Access and Mobility Enhancements





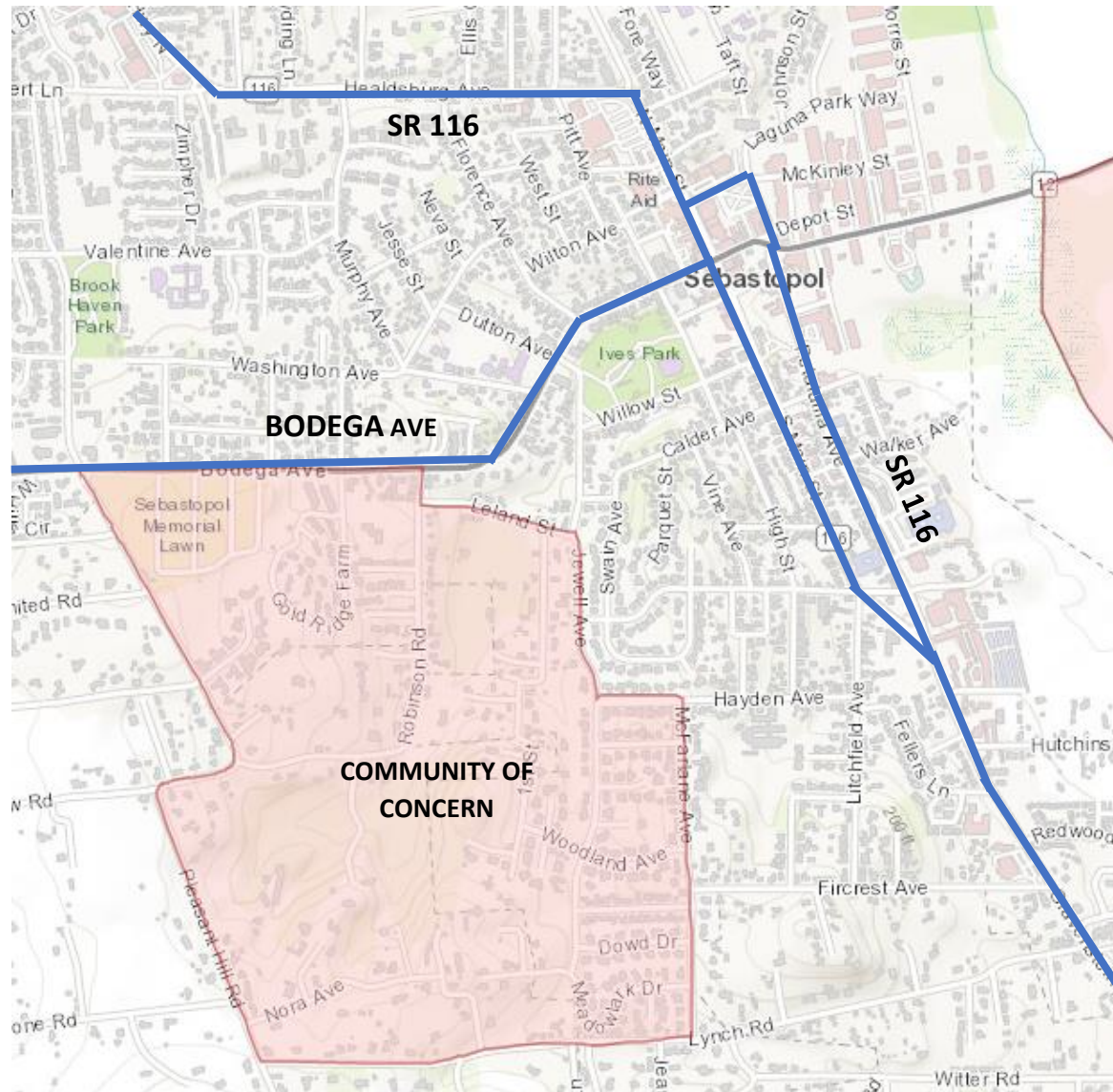
ATTACHMENT C

Sonoma County Transit Routes, City of Sebastopol  
SR 116 and Bodega Avenue Pedestrian Access and Mobility Enhancements



ATTACHMENT D

Community of Concern, City of Sebastopol  
SR 116 and Bodega Avenue Pedestrian Access and Mobility Enhancements



| DIST | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET NO. | TOTAL SHEETS |
|------|--------|-------|--------------------------|-----------|--------------|
| 04   | SON    | 116   | 25.5/27.9                | 1         | 21           |



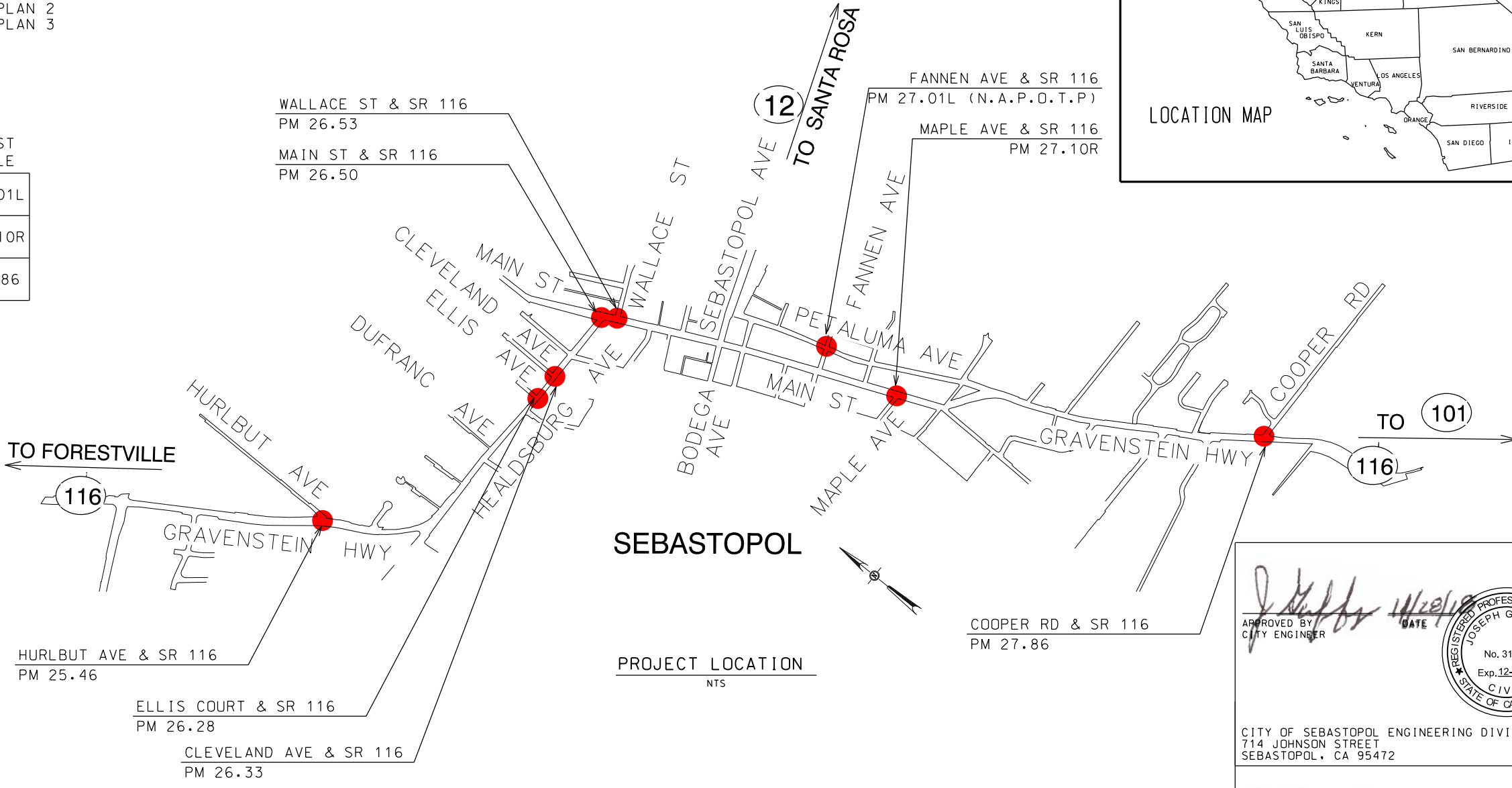
INDEX OF PLANS

| SHEET No. | DESCRIPTION                              |
|-----------|--|
| 1         | TITLE AND LOCATION MAP                   |
| 2         | GENERAL NOTES                            |
| 3         | VICINITY MAP & PHOTOS 1                  |
| 4         | VICINITY MAP & PHOTOS 2                  |
| 5         | HURLBUT AVE & SR 116 (GRAVENSTEIN HWY N) |
| 6         | ELLIS CT & SR 116 (HEALDSBURG AVE)       |
| 7         | CLEVELAND AVE & SR 116 (HEALDSBURG AVE)  |
| 8         | N MAIN ST & SR 116 (HEALDSBURG AVE)      |
| 9         | WALLACE ST & SR 116 (N MAIN ST)          |
| 10        | FANNEN AVE & SR 116 (PETALUMA AVE)       |
| 11        | MAPLE AVE & SR 116 (S MAIN ST)           |
| 12        | COOPER RD & SR 116 (GRAVENSTEIN HWY S)   |
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| 16        | PAVEMENT DELINEATION & SIGNAGE PLAN 1    |
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| 21        | PAVEMENT DELINEATION PLAN 6              |

IMPROVEMENT PLANS FOR  
CITY OF SEBASTOPOL  
SONOMA COUNTY, CALIFORNIA  
**STATE ROUTE 116  
ADA SIDEWALK RAMPS**  
CITY PROJECT No. 2019-01

TO BE SUPPLEMENTED BY CALTRANS STANDARD PLANS AND SPECIFICATIONS DATED 2018

| LOCATION               | POST MILE | LOCATION            | POST MILE |
|------------------------|-----------|---------------------|-----------|
| HURLBUT AVE & SR 116   | 25.46     | FANNEN AVE & SR 116 | 27.01L    |
| ELLIS COURT & SR 116   | 26.28     | MAPLE AVE & SR 116  | 27.10R    |
| CLEVELAND AVE & SR 116 | 26.33     | COOPER RD & SR 116  | 27.86     |
| N. MAIN ST & SR 116    | 26.50     |                     |           |
| WALLACE ST & SR 116    | 26.53     |                     |           |



SEBASTOPOL

PROJECT LOCATION  
NTS

CALL  
UNDERGROUND  
SERVICE ALERT  
1-800-642-2444  
AT LEAST 48 HOURS  
PRIOR TO EXCAVATION

APPROVED BY  
CITY ENGINEER  
*Joseph Gaffney*  
DATE 11/20/19

REGISTERED PROFESSIONAL ENGINEER  
JOSEPH GAFFNEY  
No. 31678  
Exp. 12-31-20  
CIVIL  
STATE OF CALIFORNIA

CITY OF SEBASTOPOL ENGINEERING DIVISION  
714 JOHNSON STREET  
SEBASTOPOL, CA 95472

PROJECT ENGINEER DATE  
REGISTERED CIVIL ENGINEER  
*John C. Scroggs* 11-20-19

REGISTERED PROFESSIONAL ENGINEER  
JOHN C. SCROGGS  
No. 26388  
Exp. 3-31-22  
CIVIL  
STATE OF CALIFORNIA

PLANS APPROVAL DATE

KASL CONSULTING ENGINEERS  
7777 GREENBACK LN., STE. 104  
SEASIDE, CA 94134  
PHONE: (415) 435-1100  
FAX: (415) 435-1101  
WWW.KASLENGINEERS.COM

THE CONTRACTOR SHALL POSSESS THE CLASS (OR CLASSES) OF LICENSE AS SPECIFIED IN THE "NOTICE TO BIDDERS."



| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|------|--------|-------|--------------------------|-----------|--------------|
| 04   | SON    | 116   | 25.5/27.9                | 2         | 21           |

Agenda Item Number 8

**GENERAL NOTES**

- ALL WORKMANSHIP, CONSTRUCTION AND MATERIALS, WITHIN CALTRANS RIGHT OF WAY SHALL FOLLOW AND CONFORM TO CALTRANS 2018 STANDARD PLANS, SPECIFICATIONS AND THE HIGHWAY DESIGN MANUAL.
- CONTRACTOR SHALL OBTAIN REQUIRED PERMITS FROM ALL AGENCIES AND PAY ALL FEES PRIOR TO COMMENCEMENT OF ANY WORK.
- CONTRACTOR SHALL GIVE THE CITY OF SEBASTOPOL PUBLIC WORKS DEPARTMENT 48 HOURS NOTICE BEFORE STARTING WORK. CALL (707) 823-2151 OR CONTACT AT 714 JOHNSON STREET, FOR INSPECTION SERVICES.
- A PRE CONSTRUCTION MEETING IS REQUIRED PRIOR TO BEGINNING OF WORK. CONTACT ENGINEERING MANAGER OR DIRECTOR OF PUBLIC WORKS TO SCHEDULE SUCH MEETING. CALL (707) 823-2151.
- WORK HOURS ARE LIMITED TO MONDAY THROUGH FRIDAY, 7:00 A.M. TO 6:00 P.M. INSPECTION WILL BE AVAILABLE MONDAY THROUGH FRIDAY FROM 8:00 A.M. TO 4:30 P.M. CONTRACTORS SHALL SCHEDULE INSPECTIONS 48 HOURS IN ADVANCE BY CALLING (707) 823-2151.
- ANY DISCREPANCY DISCOVERED BY CONTRACTOR IN THESE PLANS OR ANY FIELD CONDITIONS DISCOVERED BY CONTRACTOR THAT MAY DELAY OR OBSTRUCT THE PROPER COMPLETION OF THE WORK PER THESE PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEERING MANAGER OR DIRECTOR OF PUBLIC WORKS IMMEDIATELY UPON DISCOVERY. NOTIFICATION SHALL BE IN WRITING.
- ITEMS SPECIFIED ON THE STANDARD PLANS ARE APPROVED FOR USE BY THE CITY OF SEBASTOPOL. ALL SUBSTITUTES OR ALTERATIONS SHALL BE SUBMITTED TO THE CITY OF SEBASTOPOL FOR REVIEW AND APPROVAL PRIOR TO USE.
- DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROLLING NOISE, ODORS, DUST AND DEBRIS TO MINIMIZE IMPACTS ON SURROUNDING PROPERTIES AND ROADWAYS. CONTRACTOR SHALL BE RESPONSIBLE TO ASSURE THAT ALL CONSTRUCTION EQUIPMENT IS EQUIPPED WITH MANUFACTURERS APPROVED MUFFLERS AND Baffles. FAILURE TO COMPLY MAY RESULT IN THE ISSUANCE OF A STOP WORK ORDER.
- IN THE EVENT THAT ARCHEOLOGICAL SITE INDICATORS (CHIPPED CHERT, OBSIDIAN TOOLS, WASTE FLAKES, GRINDING IMPLEMENTS, DARKENED SOIL CONTAINING BONE FRAGMENTS AND SHELLFISH REMAINS, OR CERAMICS, GLASS OR METAL FRAGMENTS) ARE UNCOVERED, THE ENGINEERING MANAGER OR DIRECTOR OF PUBLIC WORKS SHALL BE CONTACTED IMMEDIATELY. ALL GROUND DISTURBING WORK SHALL CEASE IN THE VICINITY OF ANY DISCOVERY UNTIL AN ARCHEOLOGIST COMPLETES AN EVALUATION OF SIGNIFICANCE.
- IF HAZARDOUS MATERIALS ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL HALT CONSTRUCTION IMMEDIATELY, NOTIFY THE CITY, AND IMPLEMENT REMEDIATION (AS DIRECTED BY THE CITY OR ITS AGENT) IN ACCORDANCE WITH ANY REQUIREMENTS OF THE SONOMA COUNTY ENVIRONMENTAL HEALTH DEPARTMENT AND THE NORTH COAST REGIONAL WATER QUALITY CONTROL BOARD.
- THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN TRAFFIC FLOW ON AFFECTED ROADWAYS DURING NON-WORKING HOURS, AND TO MINIMIZE TRAFFIC RESTRICTION DURING CONSTRUCTION. NO EXISTING STREET SHALL BE ALLOWED TO BE COMPLETELY CLOSED WITHOUT THE EXPRESSED WRITTEN PERMISSION OF THE DIRECTOR OF PUBLIC WORKS. THE CONTRACTOR SHALL BE REQUIRED TO FOLLOW TRAFFIC SAFETY MEASURES IN ACCORDANCE WITH THE CALTRANS "MANUAL OF TRAFFIC SAFETY CONTROLS FOR CONSTRUCTION AND MAINTENANCE WORK ZONES." THE CITY'S EMERGENCY SERVICE PROVIDERS SHALL BE NOTIFIED OF PROPOSED CONSTRUCTION SCHEDULED BY THE CONTRACTOR(S). THE CONTRACTOR(S) SHALL NOTIFY EMERGENCY SERVICE PROVIDERS IN WRITING AT LEAST 24 HOURS IN ADVANCE OF ITS PROPOSED SCHEDULE OF WORK.
- LIST OF AGENCIES TO BE CONTACTED PRIOR TO TRAFFIC DISRUPTION SHALL INCLUDE BUT NOT BE LIMITED TO: SEBASTOPOL UNIFIED SCHOOLS, POST OFFICE, SOLID WASTE HAULER, SEBASTOPOL POLICE DEPARTMENT, FIRE DEPARTMENT, AMBULANCE SERVICE.
- ALL EXISTING OR PROPOSED OVERHEAD AND UNDERGROUND UTILITIES SHALL BE PROTECTED THROUGHOUT THE CONSTRUCTION OF THE PROJECT IMPROVEMENTS.
- CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN FOR REVIEW AND APPROVAL BY THE ENGINEERING MANAGER OR DIRECTOR OF PUBLIC WORKS NOT LESS THAN 10 DAYS PRIOR TO START OF CONSTRUCTION.

**NOTIFICATION FOR INSPECTIONS**

APPROVAL OF ALL WORK SHALL BE NECESSARY AT THE COMPLETION OF EACH OF THE FOLLOWING STAGES OF WORK AND SUCH APPROVAL MUST BE OBTAINED BEFORE SUBSEQUENT STAGES OF WORK MAY BE COMMENCED. ADDITIONALLY, THE INSPECTOR SHALL BE NOTIFIED AT LEAST 48 HOURS IN ADVANCE OF ANY OF THE FOLLOWING STAGES OF WORK. ANY CONSTRUCTION OR EXCAVATION REQUIRING INSPECTION THAT IS UNDERTAKEN WITHOUT INSPECTION IS SUBJECT TO RECONSTRUCTION AND REEXCAVATION AT THE CONTRACTOR'S EXPENSE. INSPECTION MUST BE SCHEDULED FOR THE FOLLOWING WORK:

- PRIOR TO COMMENCEMENT OF GRADING ACTIVITIES TO CHECK FOR INSTALLATION OF ADEQUATE TREE PROTECTION FENCING, WHERE APPROPRIATE.
- COMPACTION AND PREPARATION OF EMBANKMENTS, EXCAVATIONS, AND SUBGRADE.
- CONSTRUCTION OF FORMS FOR ALL CONCRETE STRUCTURES, INCLUDING CURBS, GUTTERS, CURB RAMPS AND SIDEWALKS
- PLACING OF CONCRETE IN STRUCTURES, INCLUDING CURBS, GUTTERS, CURB RAMPS AND SIDEWALKS.
- EXCAVATION AND BACK-FILL FOR STRUCTURES AND PIPES AND PUBLIC UTILITIES. WATER AND SEWER FACILITIES MUST BE INSPECTED BY THE CITY OF SEBASTOPOL OR BY THE COMPANY/AGENCY WITH JURISDICTION, INCLUDING PRIVATE FACILITIES.
- PLACING AND COMPACTING OF BASE MATERIAL. IF MORE THAN ONE COURSE OR TYPE OF BASE OR SUBBASE IS TO BE USED, APPROVAL SHALL BE NECESSARY FOR EACH COURSE AND/OR TYPE.
- PLACING OF PAVEMENT OR SURFACING. WITHIN 48 HOURS OF PAVING, ALL WATER VALVE BOXES, CLEANOUTS AND MANHOLE FRAMES AND COVERS SHALL BE BROUGHT TO FINISH GRADE AND INSPECTED.
- FINAL CLEAN UP.

**GRADING NOTES**

- STREET SUB GRADE SHALL BE COMPACTED TO A MINIMUM 95% RELATIVE COMPACTION TO A DEPTH OF NO LESS THAN 6" IN THE ROADWAY SECTION. ASPHALT CONCRETE AND CLASS 2 AGGREGATE BASE SHALL BE COMPACTED TO A MINIMUM 95% RELATIVE COMPACTION.
- THE USE OF THE SAND CONE METHODS (SUCH AS ASTM 1557 OR CAL 216) FOR DETERMINING FIELD DENSITIES WILL NOT BE ALLOWED AS A SUBSTITUTE FOR NUCLEAR GAUGE TESTING.
- ANY EXCESS MATERIALS SHALL BE CONSIDERED THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF AWAY FROM THE JOB SITE IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.
- ALL TREE PROTECTION FENCING MUST BE INSTALLED AND INSPECTED PRIOR TO COMMENCEMENT OF GRADING OPERATIONS. FENCING SHALL BE MAINTAINED THROUGHOUT.

**DUST CONTROL NOTES**

- THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE DUST CONTROL MEASURES FOR THE ENTIRE CONSTRUCTION PERIOD OF THIS PROJECT TO THE SATISFACTION OF THE ENGINEERING MANAGER OR DIRECTOR OF PUBLIC WORKS.
- CONSTRUCTION EQUIPMENT SHALL BE MAINTAINED IN PROPER WORKING ORDER AND SHALL NOT BE ALLOWED TO IDLE FOR PERIODS LONGER THAN 30 MINUTES.
- TO MINIMIZE FUGITIVE DUST AND THE RELEASE OF PM10, THE CONTRACTOR SHALL IMPLEMENT A DUST CONTROL PROGRAM. DUST CONTROL MEASURES SHALL INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
  - ACTIVE CONSTRUCTION SITE SHALL BE WATERED AS NEEDED, PREFERABLE IN THE LATE MORNING AND WHEN WORK HAS CEASED FOR THE DAY.
  - STOCKPILES OF LOOSE MATERIAL SHALL BE COVERED AT ALL TIMES, EXCEPT WHEN THIS WOULD INTERFERE WITH IMMEDIATE CONSTRUCTION ACTIVITIES.
  - ALL CLEARING, GRADING, EARTH MOVING OR EXCAVATION ACTIVITIES SHALL CEASE WHEN THE AVERAGE WIND SPEED FOR ONE HOUR EXCEEDS 20 MILES PER HOUR (MPH).
  - THE AREA DISTURBED BY EXCAVATION OR GRADING SHALL BE KEPT TO THE MINIMUM REQUIRED TO IMPLEMENT THE PROJECT.
  - WHEN TRAVELING ON EXPOSED SOILS, CONSTRUCTION SITE VEHICLE SPEED SHALL BE LIMITED TO 15 MPH.
  - HAUL VEHICLES SHALL BE COVERED WHEN NOT ACTIVELY ENGAGED IN SITE CONSTRUCTION ACTIVITY.
  - STREETS SHALL BE SWEEP REGULARLY AND KEPT FREE OF DIRT AND DEBRIS.
- ANY PROJECT RELATED DEBRIS, DEBRIS AND WASTE SHALL BE DISPOSED OF IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL STATUTES AND REGULATIONS.

**EROSION CONTROL NOTES**

- EROSION CONTROL MEASURES SHALL BE INSTALLED AND IN PLACE BETWEEN OCTOBER 1 AND APRIL 30. INSTALLATION SHALL BE IN ACCORDANCE WITH THE APPROVED EROSION CONTROL PLAN.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTANT MAINTENANCE OF EROSION CONTROL MEASURES. SITE EROSION CONTROL SHALL BE INSPECTED BY THE CONTRACTOR AND CLEANED, AS NECESSARY, AFTER EVERY MAJOR STORM.
- AT THE END OF EACH SHIFT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEANUP OF MUD AND DEBRIS CARRIED ONTO SURROUNDING STREETS TO THE SATISFACTION OF THE ENGINEERING MANAGER OR DIRECTOR OF PUBLIC WORKS.
- CRITICAL EARTHWORK OPERATIONS SHALL BE PERFORMED DURING THE DRY WEATHER SEASON, FROM MAY 1ST TO OCTOBER 1ST OR AS OTHERWISE APPROVED BY THE ENGINEERING MANAGER OR DIRECTOR OF PUBLIC WORKS. THE CLEARING OF EXISTING VEGETATION SHALL BE CONFINED TO WITHIN THE LIMITS OF ACTUAL EARTHWORK. INCREMENTAL DEVELOPMENT SHALL BE REQUIRED TO ENSURE THAT THE AMOUNT OF LAND CLEARED AT ANY TIME IS LIMITED TO THE AREA THAT CAN BE DEVELOPED DURING THE CONSTRUCTION PERIOD. STORM WATER SHALL NOT BE ALLOWED TO FLOW DIRECTLY DOWN UNPROTECTED SLOPES. ENERGY DISSIPATING STRUCTURES AND EROSION CONTROL DEVICES SHALL BE PLACED AT ALL DRAINAGE OUTLETS WHICH DISCHARGE TO NATURAL CHANNELS. ALL SEDIMENT TRAPS SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL SUCH TIME AS THE CITY ACCEPTS MAINTENANCE RESPONSIBILITY.
- NO SOIL/MUD OR DEBRIS ALLOWED TO TRACK FROM SITE AT ANY TIME.

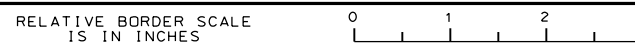
**GENERAL UNDERGROUND NOTES**

- NO GUARANTEE IS INTENDED THAT UNDERGROUND OBSTRUCTIONS, NOT SHOWN ON THESE PLANS, WILL NOT BE ENCOUNTERED. THOSE SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE AND THE CONTRACTOR IS CAUTIONED THAT NEITHER KASL CONSULTING ENGINEERS NOR THE CITY OF SEBASTOPOL ASSUME RESPONSIBILITY FOR ANY OBSTRUCTIONS EITHER SHOWN OR NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY COMPANIES WITH UNDERGROUND OR OVERHEAD FACILITIES LOCATED WITHIN THE LIMITS OF THIS PROJECT.
- CONTRACTOR SHALL NOT BEGIN EXCAVATION UNTIL ALL EXISTING UTILITIES HAVE BEEN MARKED IN THE FIELD BY THE APPLICABLE ENTITY RESPONSIBLE FOR THAT PARTICULAR UTILITY. THE CONTRACTOR SHALL NOTIFY EACH APPLICABLE ENTITY AT LEAST 72 HOURS BEFORE STARTING WORK. HAND DIGGING IS REQUIRED IF TRENCH IS WITHIN 24" OF ANY EXISTING UNDERGROUND UTILITY.
- UNDERGROUND SERVICE ALERT: CALL TOLL FREE (800) 227-2600 AT LEAST 48 HOURS PRIOR TO EXCAVATION.
- THE CONTRACTOR SHALL OBTAIN A TRENCH PERMIT FROM THE CALIFORNIA DIVISION OF INDUSTRIAL SAFETY BEFORE EXCAVATION OF TRENCHES IN EXCESS OF 5 FEET IN DEPTH. A COPY OF THE PERMIT MUST BE ON FILE WITH THE CITY BEFORE TRENCH EXCAVATION MAY BEGIN.
- CONTRACTOR SHALL UNCOVER EXISTING BURIED UTILITIES WITHIN THE LIMITS OF WORK TO VERIFY LOCATIONS AND ELEVATIONS OF UTILITIES. BURIED UTILITIES MAY INCLUDE BUT ARE NOT LIMITED TO WATER MAINS AND LATERALS, SEWER MAIN AND SERVICES, GAS MAINS AND LATERALS, ELECTRICAL DISTRIBUTION LINES, CABLE TELEVISION LINES, AND TELEPHONE LINES. ALL UTILITIES CONFLICTING WITH THE PROPOSED CONSTRUCTION SHALL BE RELOCATED TO THE SATISFACTION OF THE UTILITY OWNER BEFORE THE START OF CONSTRUCTION.
- THE CONTRACTOR SHALL VERIFY EXISTING INVERTS PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION. THE PROJECT AND/OR DESIGN ENGINEER MAY ADJUST PROJECT GRADES, WITH CONCURRENCE FROM THE ENGINEERING MANAGER OR DIRECTOR OF PUBLIC WORKS, TO AVOID CONFLICTS.
- DISTANCES AND INVERTS ARE TO AND AT THE CENTER OF THE MANHOLES, CLEANOUTS, DROP INLETS, CATCH BASINS, AND YARD DRAINS OR AS MARKED ON THE DRAWINGS.
- ALL UNDERGROUND IMPROVEMENTS SHALL BE INSTALLED AND APPROVED PRIOR TO PAVING.
- WHERE NEW CURBS ARE CONSTRUCTED THE CONTRACTOR SHALL STAMP THE LETTER "W" ON THE FACE OF CURB DIRECTLY ABOVE WATER SERVICES, AND "S" ON THE FACE OF CURB DIRECTLY ABOVE SEWER SERVICES. AT A DRIVEWAY THE STAMP(S) SHALL BE PLACED AT THE BACK OF RAMP. THE LETTERS SHALL BE 4" HIGH AND COMPLETELY LEGIBLE.
- RECORD DRAWINGS (AS BUILTS) ARE REQUIRED TO BE SUBMITTED BY THE CONTRACTOR AT THE END OF THE PROJECT.

**SIGNING, STRIPING AND PAVEMENT MARKINGS**

- CONTRACTOR SHALL NOTIFY THE CITY OF SEBASTOPOL PUBLIC WORKS DEPARTMENT, (707) 823-2151 OF INTENT TO PLACE ANY PAVEMENT MARKER, TRAFFIC STRIPE, AND PAVEMENT MARKING LAYOUT LINES 10 WORKING DAYS BEFORE THE LAYOUT WORK IS TO BE PERFORMED. ALL LABOR EQUIPMENT AND MATERIALS SHALL BE PROVIDED BY THE CONTRACTOR.
- ALL LAYOUT WORK IS TO BE PERFORMED BY THE CONTRACTOR AND SHALL BE FIELD APPROVED BY A CITY INSPECTOR BEFORE THE ACTUAL WORK BEGINS.
- PAVEMENT MARKERS AND TRAFFIC STRIPE DETAIL REFERENCE NUMBERS ARE SHOWN ON CALTRANS STANDARD PLAN SHEETS A20-A, A20-B, AND A20-C, AND CALTRANS STANDARD PLAN SHEETS A24-B AND A24-D.
- MARKERS AND DELINEATORS SHALL BE INSTALLED AT LOCATIONS AS SHOWN ON THE PLANS AND IN ACCORDANCE WITH STATE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE CITY OF SEBASTOPOL ENGINEERING MANAGER OR DIRECTOR OF PUBLIC WORKS.
- TRAFFIC STRIPES AND PAVEMENT MARKINGS SHALL BE AS SHOWN ON THE PLANS, SHALL BE INSTALLED IN ACCORDANCE WITH THE STATE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE CITY.
- ALL PAVEMENT MARKINGS, INCLUDING STOP LINES, AND ALL CHANNELIZING LINES SHALL BE THERMOPLASTIC. ALL TRAFFIC STRIPES SHALL BE THERMOPLASTIC, UNLESS OTHERWISE SHOWN OR NOTED ON THE PLANS OR DIRECTED BY THE CITY OF SEBASTOPOL.
- THERMOPLASTIC TRAFFIC STRIPES AND PAVEMENT MARKINGS SHALL CONFORM TO THE PROVISIONS OF SECTION 84-2 "THERMOPLASTIC TRAFFIC STRIPES AND PAVEMENT MARKINGS" OF THE STATE STANDARD SPECIFICATIONS.
- THERMOPLASTIC MATERIAL SHALL BE APPLIED AT A MINIMUM THICKNESS OF 0.125 INCH.
- THERMOPLASTIC MATERIAL SHALL CONFORM TO STATE STANDARD SPECIFICATION SECTION 84-2.02B "THERMOPLASTIC"
- PAVEMENT MARKERS SHALL BE INSTALLED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 82, "SIGNS AND MARKERS" OF THE STATE STANDARD SPECIFICATIONS. PAVEMENT MARKERS SHALL BE PLACED TO A LINE APPROVED BY CITY OF SEBASTOPOL.
- EXISTING PAINTED/THERMOPLASTIC TRAFFIC STRIPES AND PAVEMENT MARKINGS AND RAISED PAVEMENT MARKERS WHICH CONFLICT WITH NEW TRAFFIC STRIPING AND PAVEMENT MARKING PLANS SHALL BE REMOVED BY THE CONTRACTOR, IN ACCORDANCE WITH SECTION 15 "EXISTING FACILITIES" OF THE STATE STANDARD SPECIFICATIONS.

|                            |                       |
|----------------------------|-----------------------|
| REGISTRATION NO.           | DATE SIGNED           |
| LICENSE Exp. DATE          |                       |
| CONSULTANT DESIGN ENGINEER | JOHN C. SCROGGS, P.E. |





| DIST | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET NO. | TOTAL SHEETS |
|------|--------|-------|--------------------------|-----------|--------------|
| 04   | SON    | 116   | 25.5/27.9                | 3         | 21           |

Agenda Item Number 8



1 HURLBUT AVE / CA-116



2 NOT A PART OF THIS PROJECT  
HURLBUT AVE / CA-116



3 HURLBUT AVE / CA-116



4 HURLBUT AVE / CA-116

5 NOT USED



7 8 ELLIS CT / CA-116



6 NOT USED

9 10 NOT A PART OF THIS PROJECT  
CLEVELAND AVE / CA-116



11 CLEVELAND AVE / CA-116

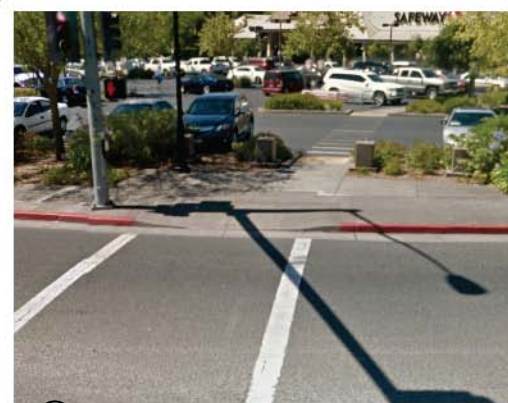


MATCH LINE  
SEE NEXT SHEET



12 13 N MAIN ST / CA-116

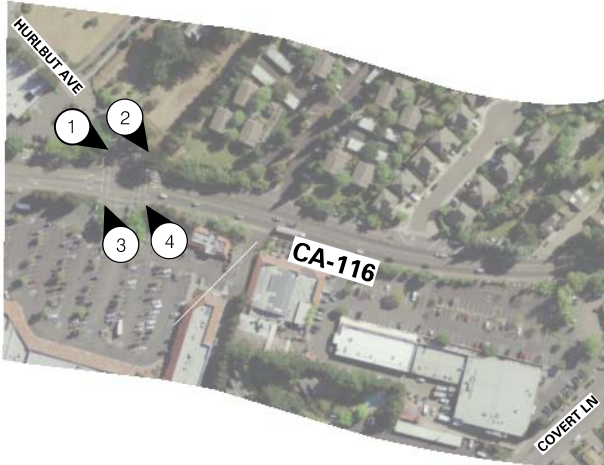
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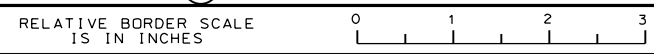
14 N MAIN ST / CA-116



15 16 WALLACE ST / CA-116



REGISTRATION NO. LICENSE Exp. DATE SIGNED DATE SIGNED  
CONSULTANT DESIGN ENGINEER  
JOHN C. SCROGGS, P.E.





| Dist | COUNTY | ROUTE | POST MILES<br>TOTAL PROJECT | SHEET<br>No. | TOTAL<br>SHEETS |
|------|--------|-------|-----------------------------|--------------|-----------------|
| 04   | SON    | 116   | 25.5/27.9                   | 4            | 21              |

Agenda Item Number 8



18 19 FANNAN AVE / PETALUMA AVE



20 21 FANNAN AVE / PETALUMA AVE

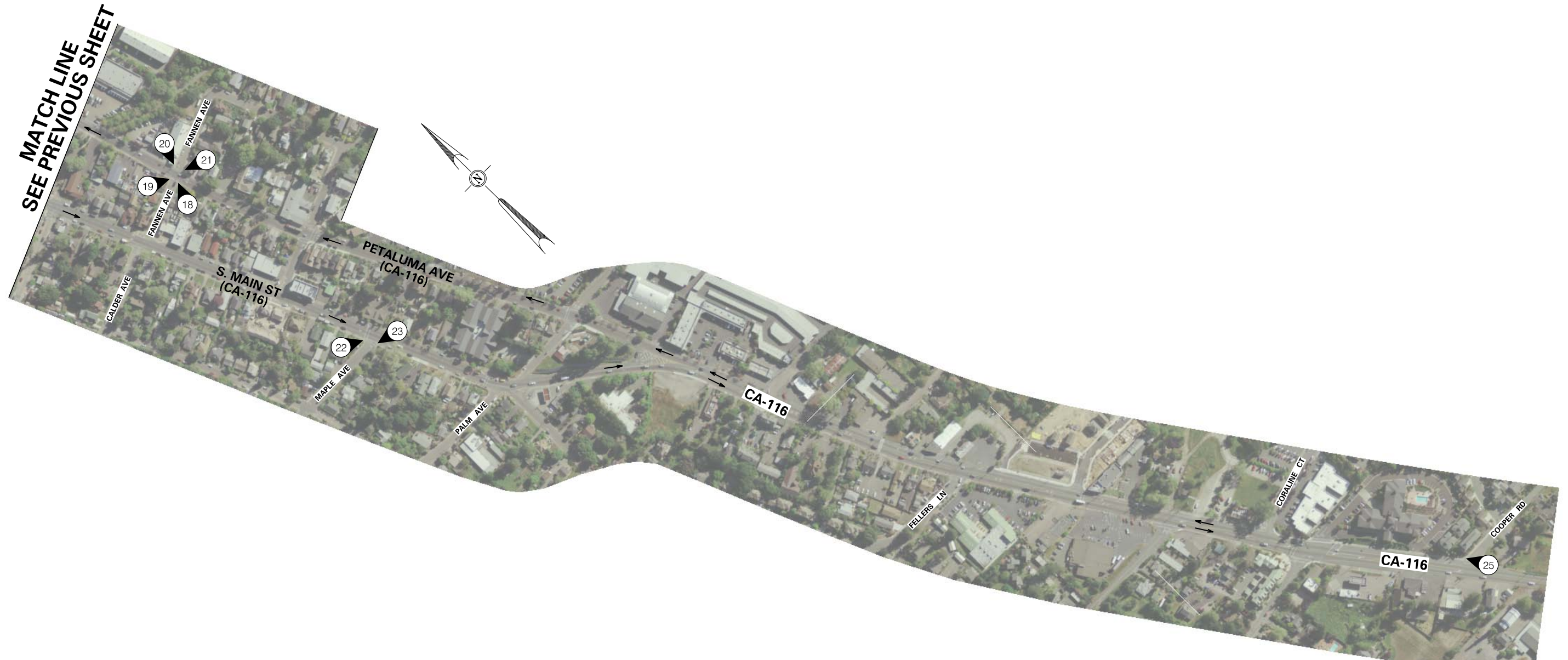


22 23 MAPLE AVE / CA-116

24 NOT USED



25 COOPER RD / CA-116



REGISTRATION NO. LICENSE Exp. DATE SIGNED  
 CONSULTANT DESIGN ENGINEER  
 JOHN C. SCROGGS, P.E.

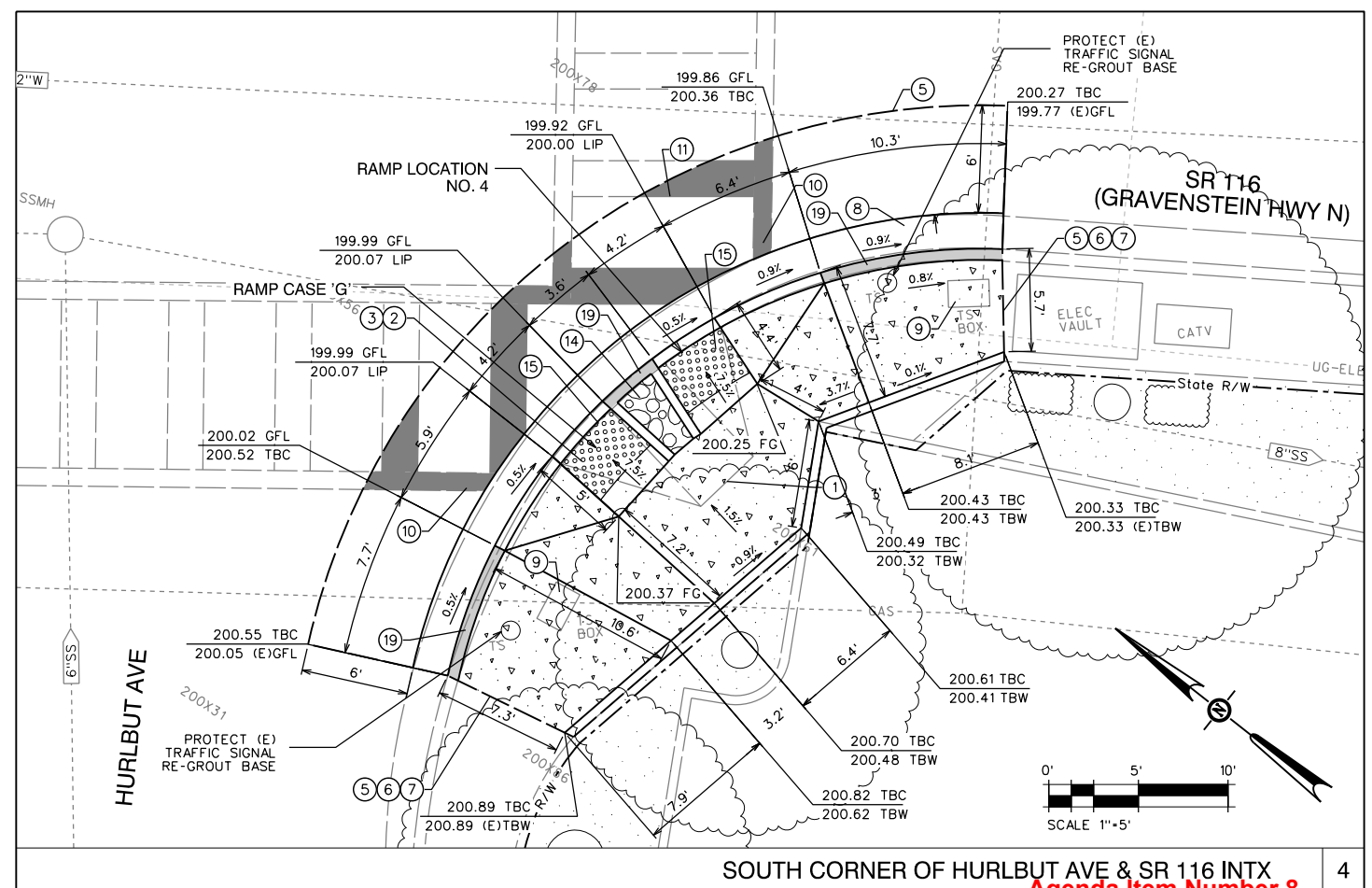
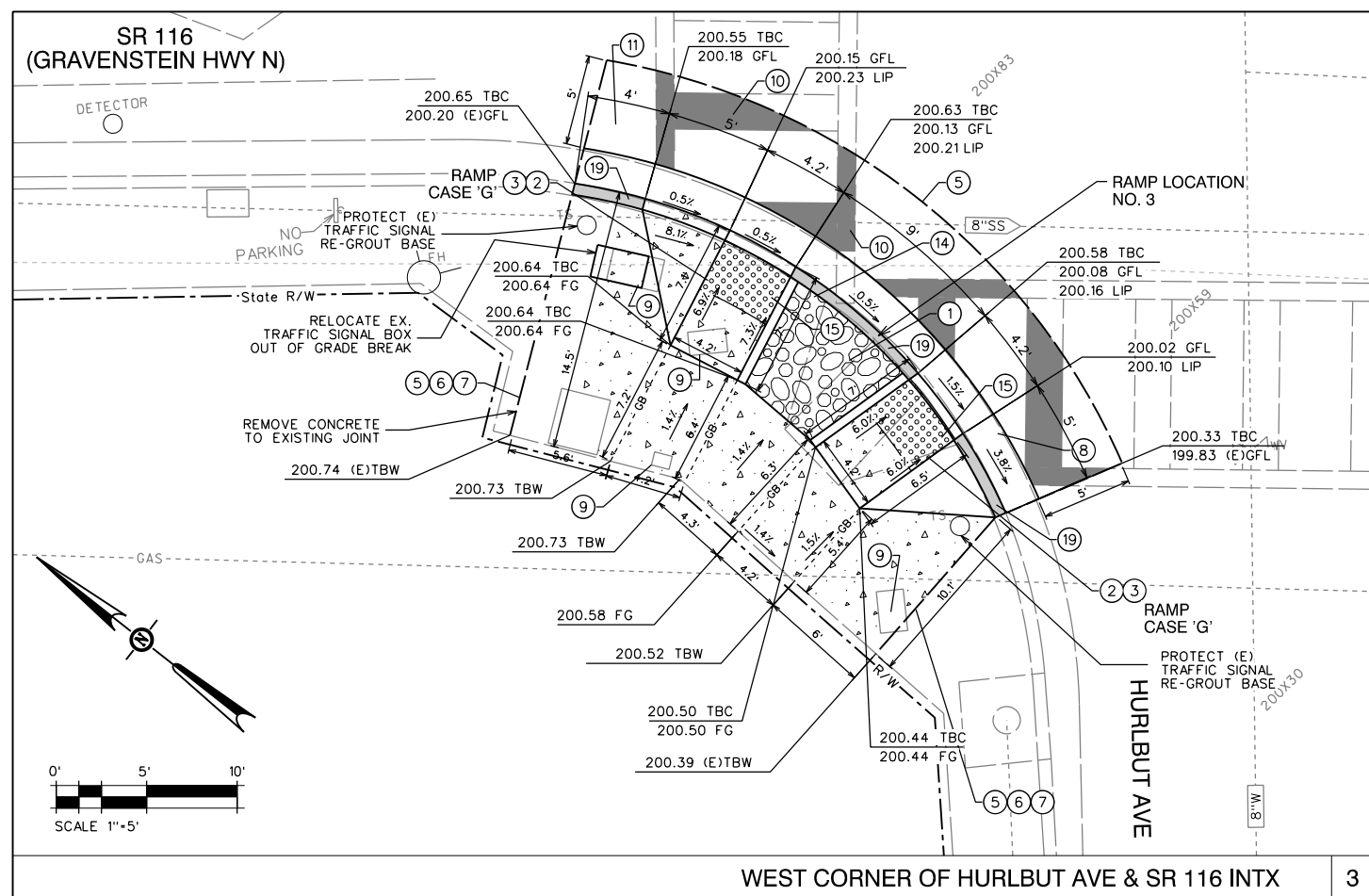
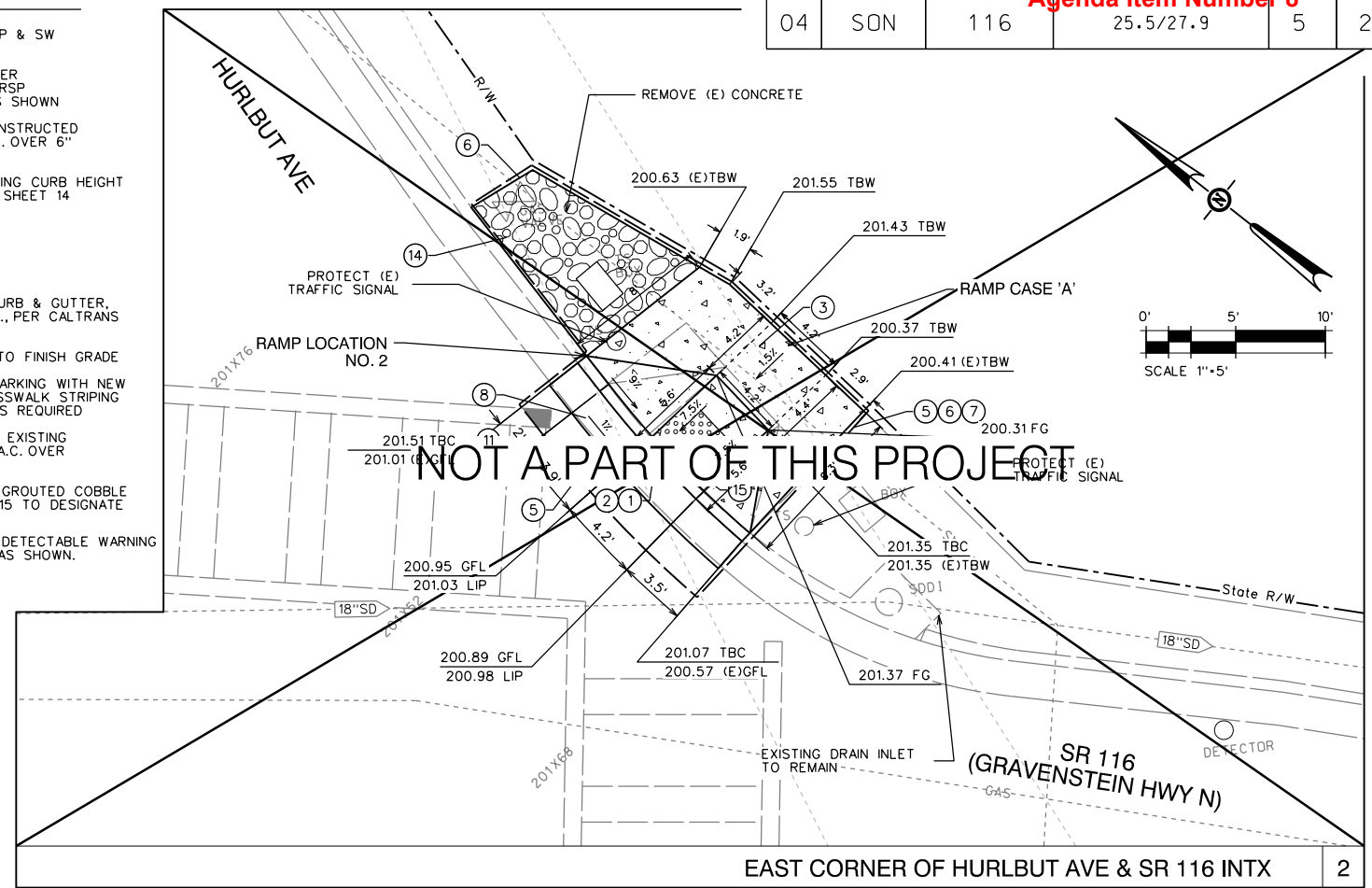
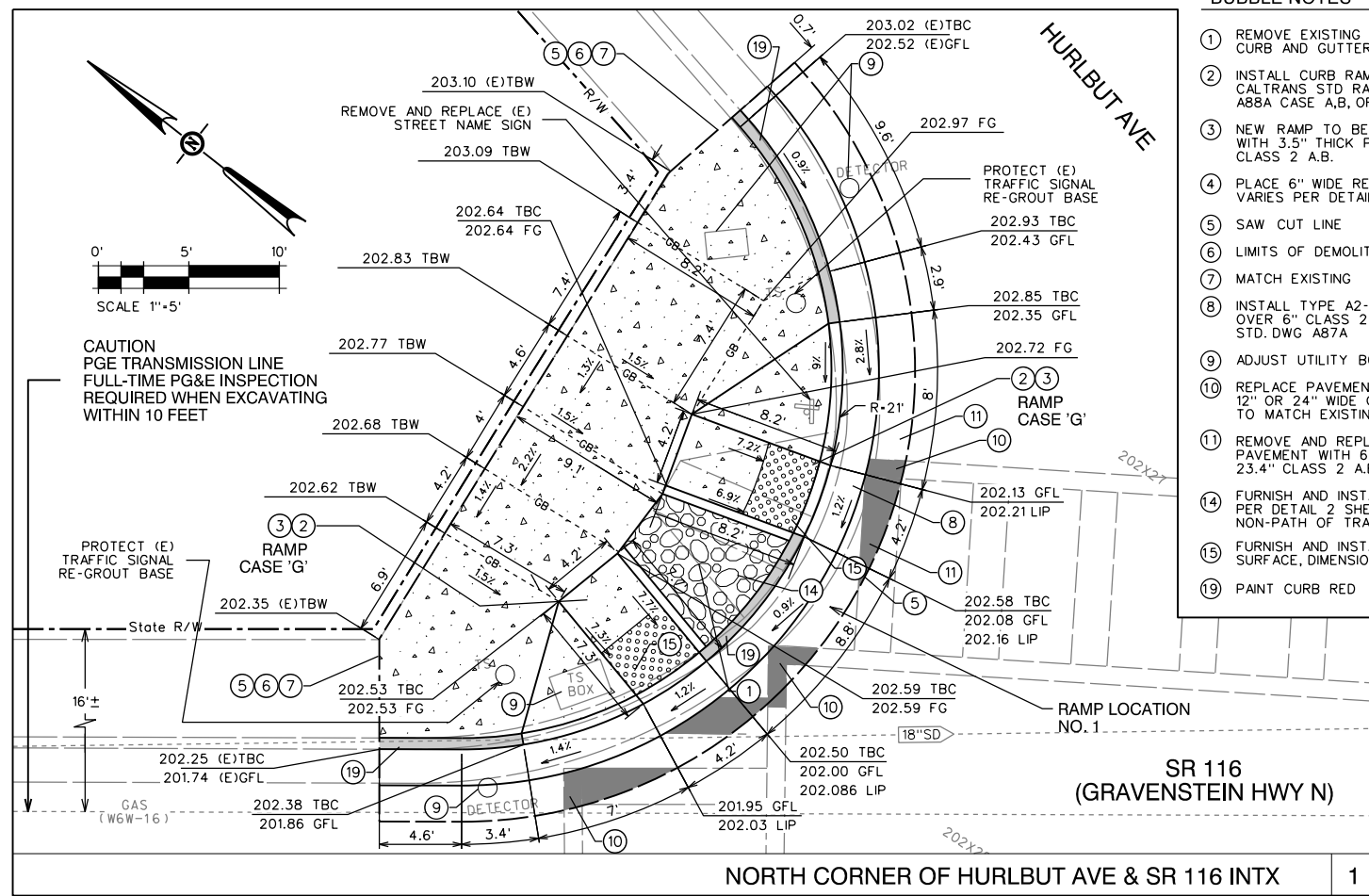


|      |        |       |                          |           |              |
|------|--------|-------|--------------------------|-----------|--------------|
| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
| 04   | SON    | 116   | 25.5/27.9                | 5         | 21           |

Agenda Item Number 8

BUBBLE NOTES

- 1 REMOVE EXISTING RAMP & SW CURB AND GUTTER
- 2 INSTALL CURB RAMP PER CALTRANS STD RAMP RSP A88A CASE A,B, OR AS SHOWN
- 3 NEW RAMP TO BE CONSTRUCTED WITH 3.5" THICK P.C.C. OVER 6" CLASS 2 A.B.
- 4 PLACE 6" WIDE RETAINING CURB HEIGHT VARIES PER DETAIL 4 SHEET 14
- 5 SAW CUT LINE
- 6 LIMITS OF DEMOLITION
- 7 MATCH EXISTING
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- 10 REPLACE PAVEMENT MARKING WITH NEW 12" OR 24" WIDE CROSSWALK STRIPING TO MATCH EXISTING AS REQUIRED
- 11 REMOVE AND REPLACE EXISTING PAVEMENT WITH 6.6" A.C. OVER 23.4" CLASS 2 A.B.
- 14 FURNISH AND INSTALL GROUTED COBBLE PER DETAIL 2 SHEET 15 TO DESIGNATE NON-PATH OF TRAVEL
- 15 FURNISH AND INSTALL DETECTABLE WARNING SURFACE, DIMENSIONS AS SHOWN.
- 19 PAINT CURB RED



REGISTRATION NO. LICENSE Exp. DATE DATE SIGNED  
 CONSULTANT DESIGN ENGINEER  
 JOHN C. SCROGGS, P.E.

USERNAME = JS  
 DGN FILE = S:\6840-02 ADA Curb Ramp Upgrade\Plans\05-HURLBUT.dgn

RELATIVE BORDER SCALE  
 IS IN INCHES

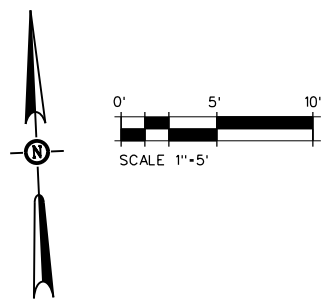


STATE HWY 116 ADA SIDEWALK RAMP  
 Page 14 of 34

LAST REVISION DATE PLOTTED = 7/9/2020  
 SEPT 2018 TIME PLOTTED = 2:40:34 PM

|      |        |       |                             |              |                 |
|------|--------|-------|-----------------------------|--------------|-----------------|
| Dist | COUNTY | ROUTE | POST MILES<br>TOTAL PROJECT | SHEET<br>No. | TOTAL<br>SHEETS |
| 04   | SON    | 116   | 25.5/27.9                   | 6            | 21              |

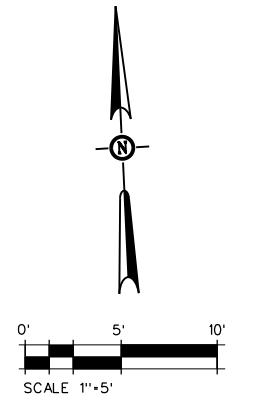
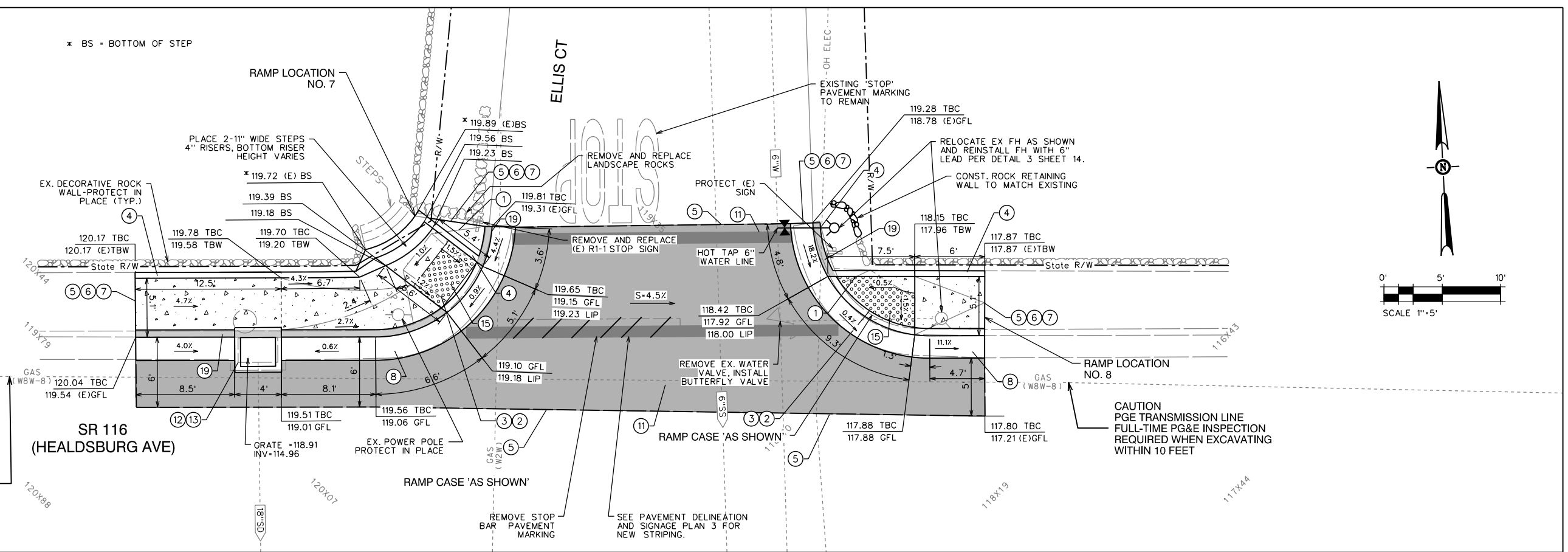
Agenda Item Number 8



|                  |                   |             |
|------------------|-------------------|-------------|
| REGISTRATION NO. | LICENSE Exp. DATE | DATE SIGNED |
|                  |                   |             |
| NOT USED         |                   | 5 & 6       |

**BUBBLE NOTES**

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- 19 PAINT CURB RED



CONSULTANT DESIGN ENGINEER  
JOHN C. SCROGGS, P.E.

USERNAME = JS  
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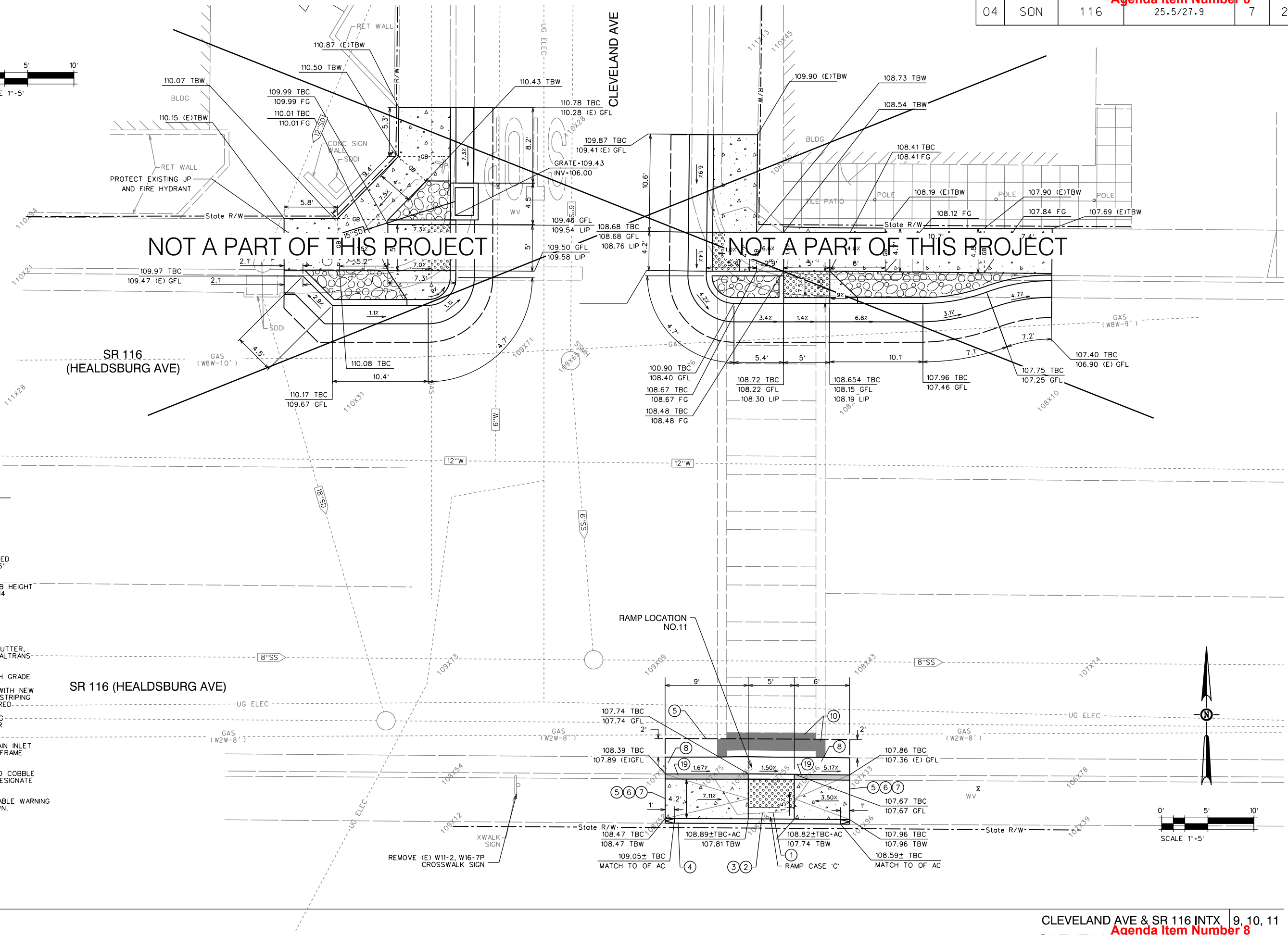
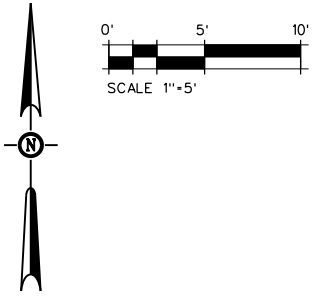
RELATIVE BORDER SCALE IS IN INCHES

NORTH SIDE OF ELLIS CT & SR 116 INTX 7 & 8  
ELLIS CT & SR 116  
City Council Meeting Packet for May 4, 2021  
Page 12 of 34

LAST REVISION DATE PLOTTED = 7/9/2020  
SEPT 2018 TIME PLOTTED = 2:40:35 PM

|      |        |       |                          |           |              |
|------|--------|-------|--------------------------|-----------|--------------|
| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
| 04   | SON    | 116   | 25.5/27.9                | 7         | 21           |

Agenda Item Number 8



NOT A PART OF THIS PROJECT

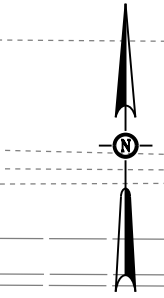
NOT A PART OF THIS PROJECT

**BUBBLE NOTES**

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- 19 PAINT CURB RED

SR 116 (HEALDSBURG AVE)

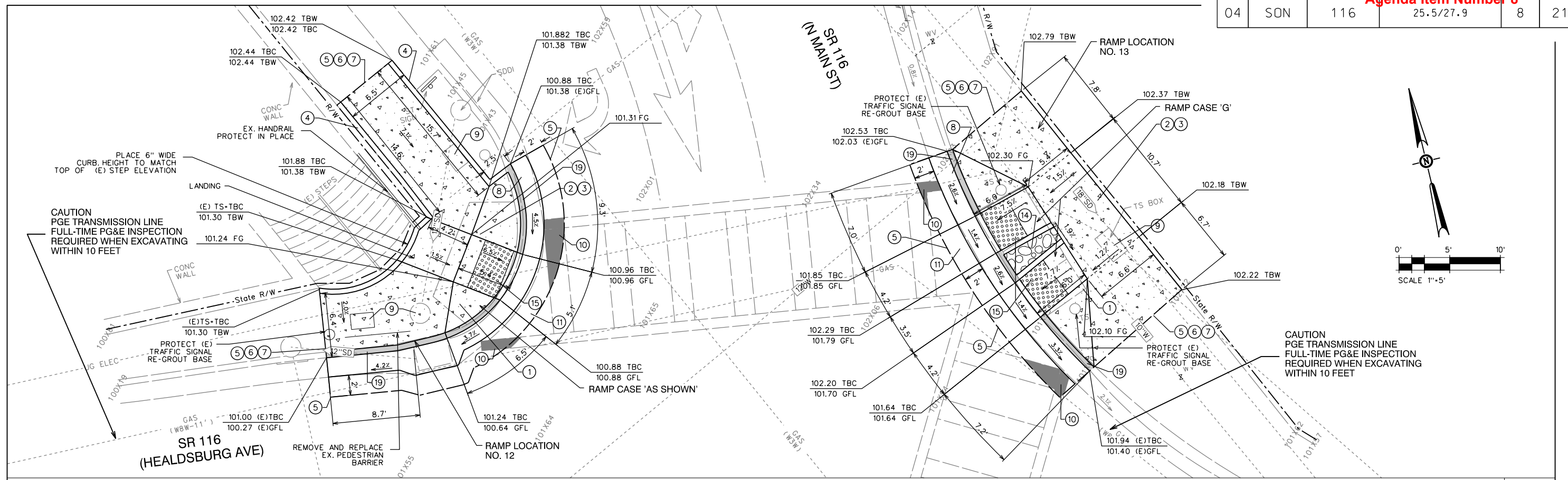
RAMP LOCATION NO.11



REGISTRATION No. DATE SIGNED DATE LICENSE Exp. DATE  
 CONSULTANT DESIGN ENGINEER JOHN C. SCROGGS, P.E.



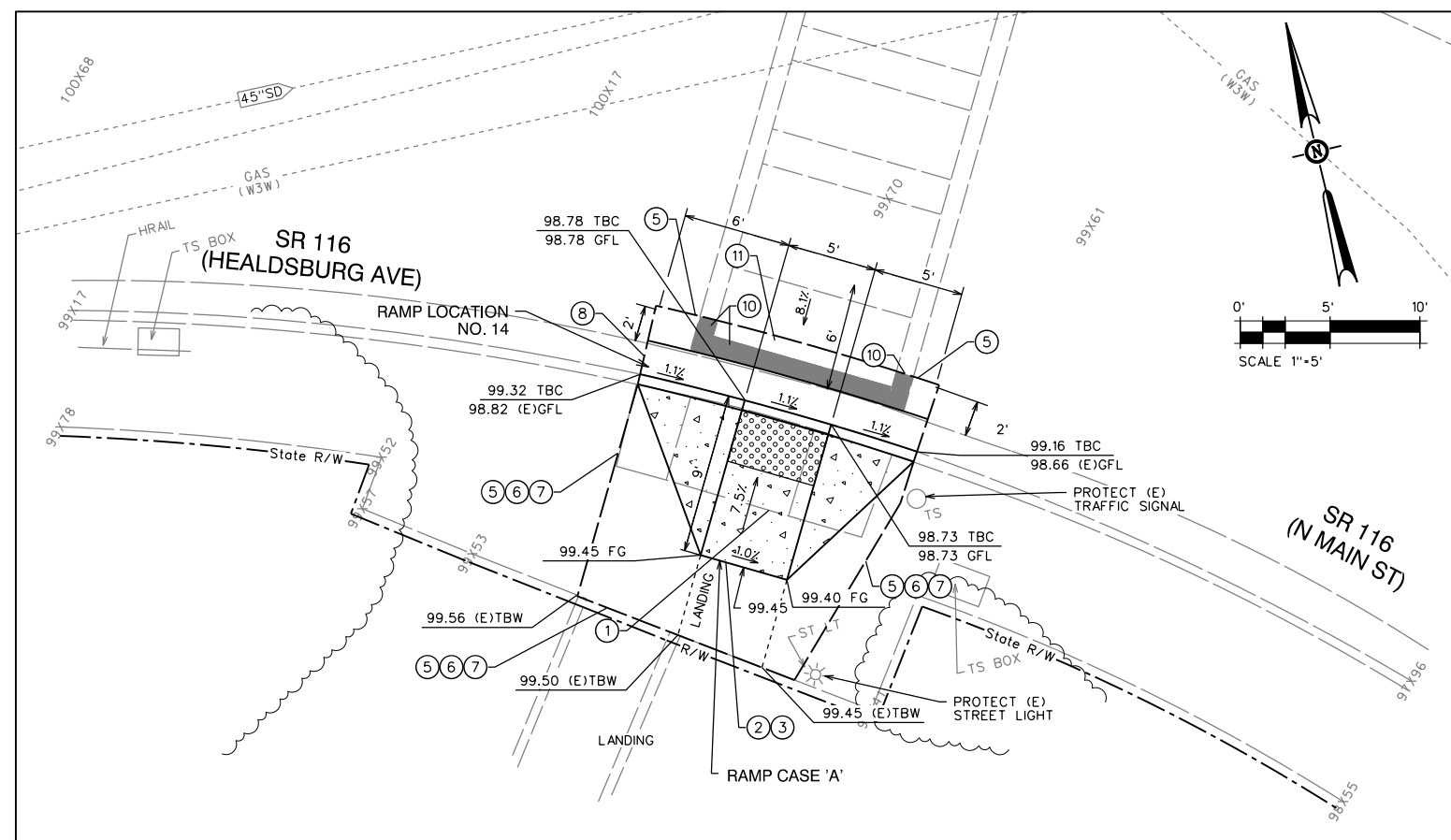
Agenda Item Number 8



NORTH SIDE OF INTX OF N. MAIN ST. & SR 116 12 & 13

**BUBBLE NOTES**

- ① REMOVE EXISTING RAMP & SW CURB AND GUTTER
- ② INSTALL CURB RAMP PER CALTRANS STD RAMP RSP ABBA CASE A,B, OR AS SHOWN
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- ⑰ PAINT CURB RED



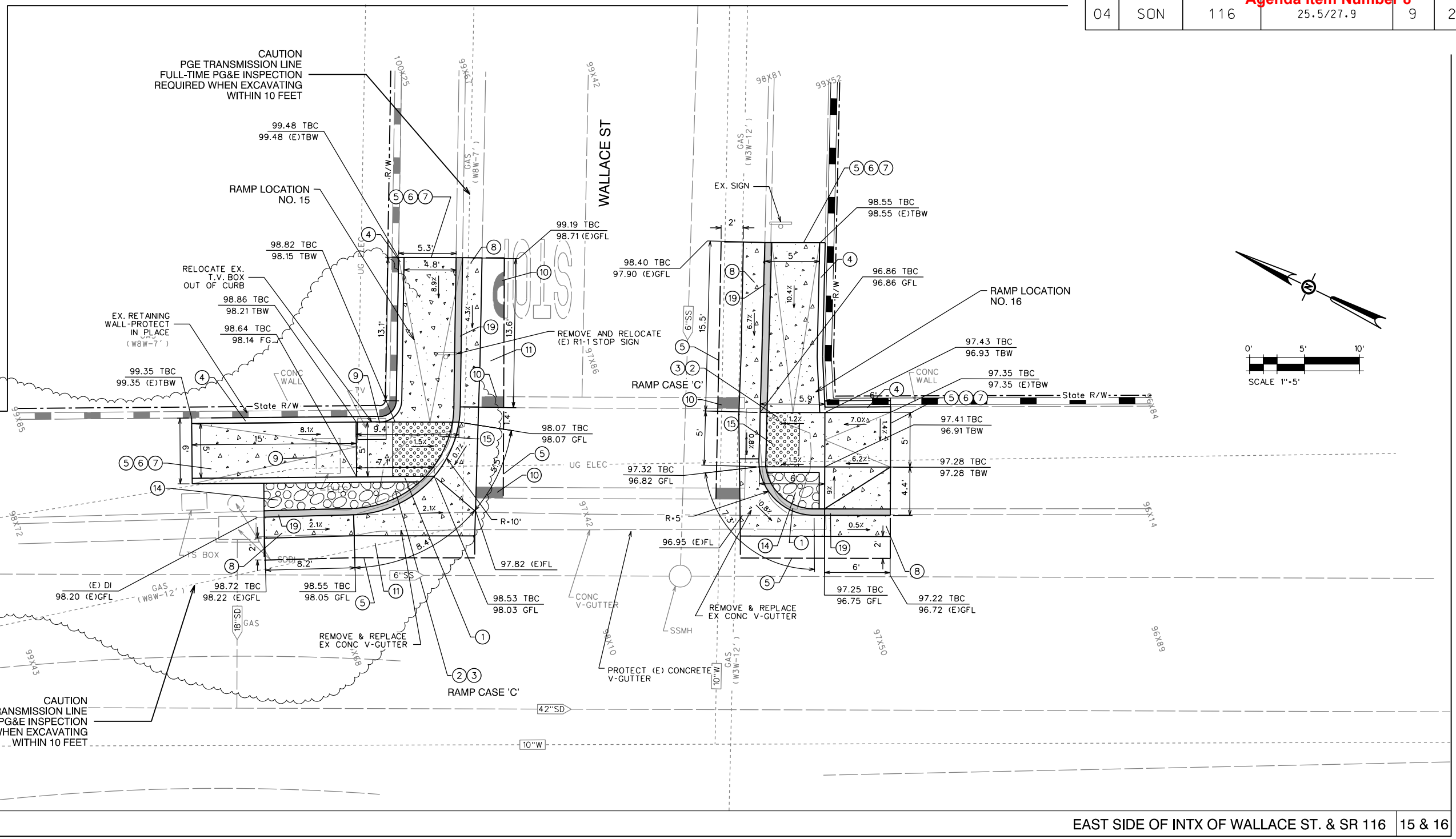
SOUTH SIDE OF INTX OF N. MAIN ST. & SR 116 14

DATE SIGNED \_\_\_\_\_  
 LICENSE Exp. DATE \_\_\_\_\_  
 REGISTRATION No. \_\_\_\_\_  
 CONSULTANT DESIGN ENGINEER  
 JOHN C. SCROGGS, P.E.

Agenda Item Number 8

**BUBBLE NOTES**

- ① REMOVE EXISTING RAMP & SW CURB AND GUTTER
- ② INSTALL CURB RAMP PER CALTRANS STD RAMP RSP AB8A CASE A,B, OR AS SHOWN
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- ⑭ PAINT CURB RED



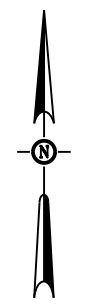
EAST SIDE OF INTX OF WALLACE ST. & SR 116 15 & 16

REGISTRATION NO. LICENSE Exp. DATE DATE SIGNED  
CONSULTANT DESIGN ENGINEER  
JOHN C. SCROGGS, P.E.



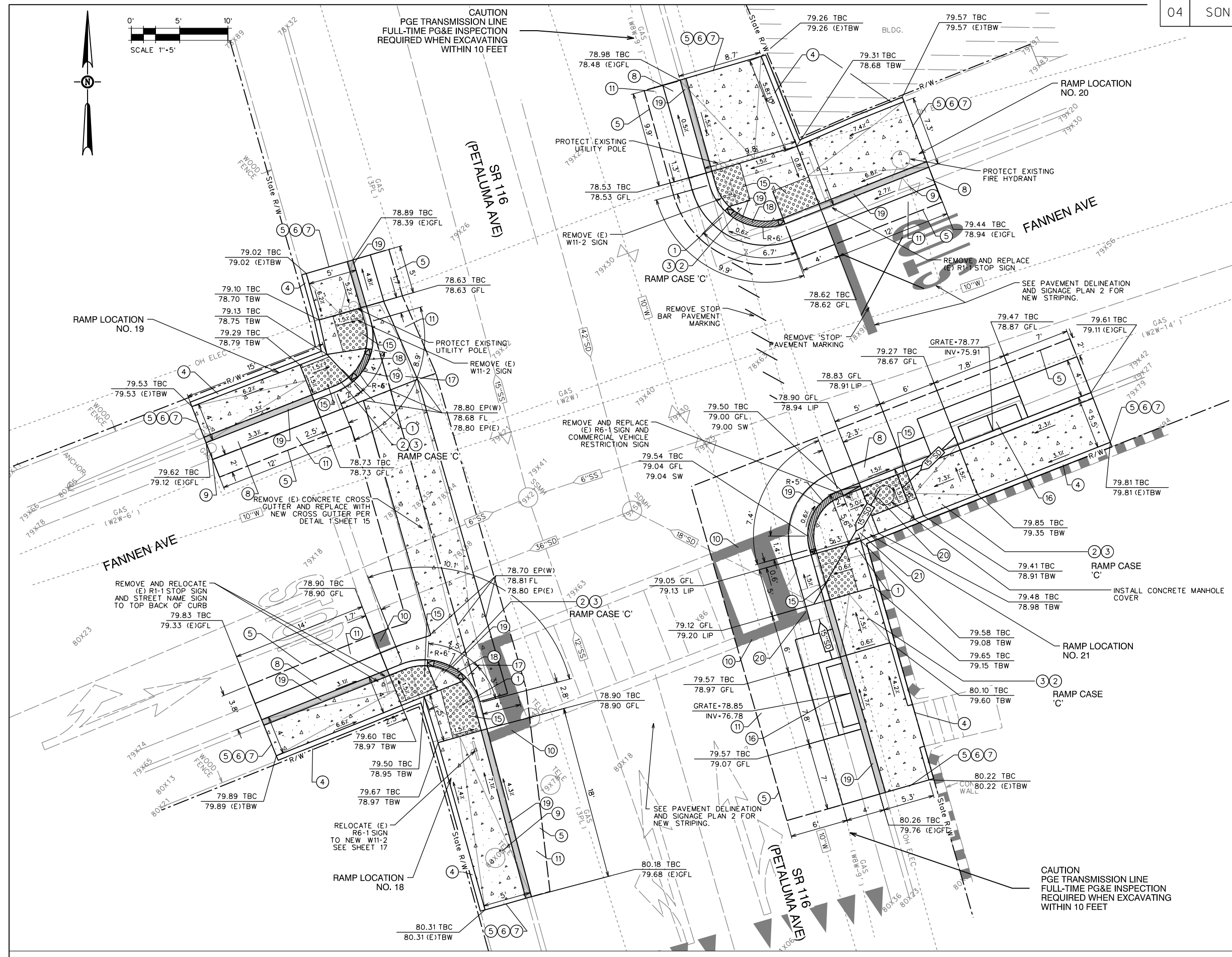
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|------|--------|-------|--------------------------|-----------|--------------|
| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
| 04   | SON    | 116   | 25.5/27.9                | 10        | 21           |

Agenda Item Number 8



SCALE 1"=5'

CAUTION  
PGE TRANSMISSION LINE  
FULL-TIME PG&E INSPECTION  
REQUIRED WHEN EXCAVATING  
WITHIN 10 FEET



- BUBBLE NOTES**
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  - ② INSTALL CURB RAMP PER CALTRANS STD RAMP RSP AB8A CASE A,B, OR AS SHOWN
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  - ⑦ MATCH EXISTING
  - ⑧ INSTALL TYPE A2-6 CURB & GUTTER, OVER 6" CLASS 2 A.B., PER CALTRANS STD. DWG AB7A
  - ⑨ ADJUST UTILITY BOX TO FINISH GRADE
  - ⑩ REPLACE PAVEMENT MARKING WITH NEW 12" OR 24" WIDE CROSSWALK STRIPING TO MATCH EXISTING AS REQUIRED
  - ⑪ REMOVE AND REPLACE EXISTING PAVEMENT WITH 6.6" A.C. OVER 23.4" CLASS 2 A.B.
  - ⑮ FURNISH AND INSTALL DETECTABLE WARNING SURFACE, DIMENSIONS AS SHOWN.
  - ⑯ INSTALL CALTRANS STORM DRAIN INLET TYPE GT-3 WITH TWO RECTANGULAR FRAME AND 24-12X GRATES
  - ⑰ REMOVE SECTION OF (E) CONCRETE V-GUTTER AND CONSTRUCT CONCRETE V-GUTTER PER DETAIL 1 SHEET 3
  - ⑱ PLACE 6" HIGH VERTICAL CURB, TRANSITION CURB HEIGHT FROM 6" HIGH TO 0" HIGH OVER A DISTANCE OF 6"
  - ⑲ PAINT CURB RED
  - ⑳ ADJUST EX. CATCH BASIN LID TO GRADE
  - ㉑ REMOVE EX. 2-6" PVC SD LINES, REPLACE WITH 15" HDPE SD

REGISTRATION NO. LICENSE EXP. DATE DATE SIGNED  
CONSULTANT DESIGN ENGINEER  
JOHN C. SCROGGS, P.E.

FANNEN AVE & SR 116 INTX 18, 19, 20 & 21

City Council Meeting Packet for May 4, 2021

Page 16 of 34

USERNAME = JS  
DGN FILE = S:\6840-02 ADA Curb Ramp Upgrade\Plans\10-FANNEN.dgn

RELATIVE BORDER SCALE IS IN INCHES

STATE HWY 116 ADA SIDEWALK RAMP

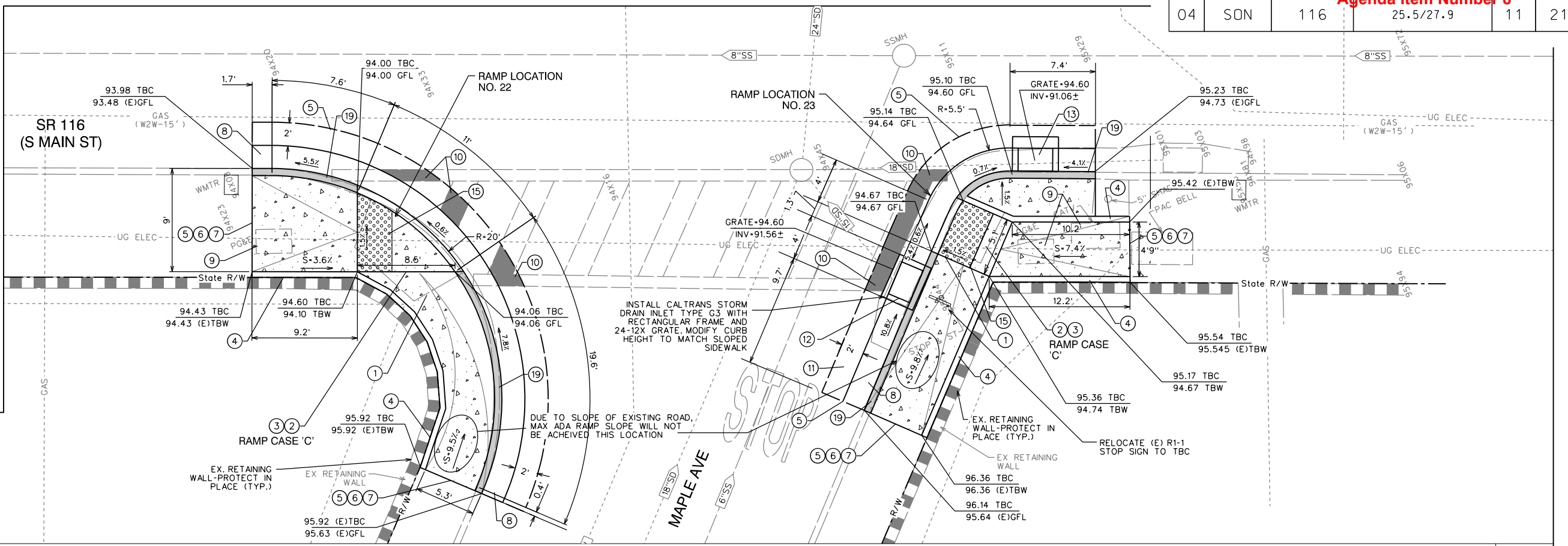
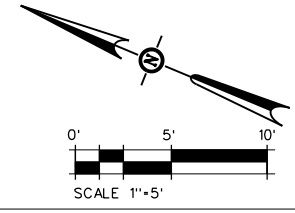
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SEPT 2018 TIME PLOTTED = 2:46:40 PM



Agenda Item Number 8

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- ⑬ INSTALL CALTRANS STORM DRAIN INLET TYPE G3 WITH RECTANGULAR FRAME AND 24-12X GRATE
- ⑮ FURNISH AND INSTALL DETECTABLE WARNING SURFACE, DIMENSIONS AS SHOWN.
- ⑲ PAINT CURB RED



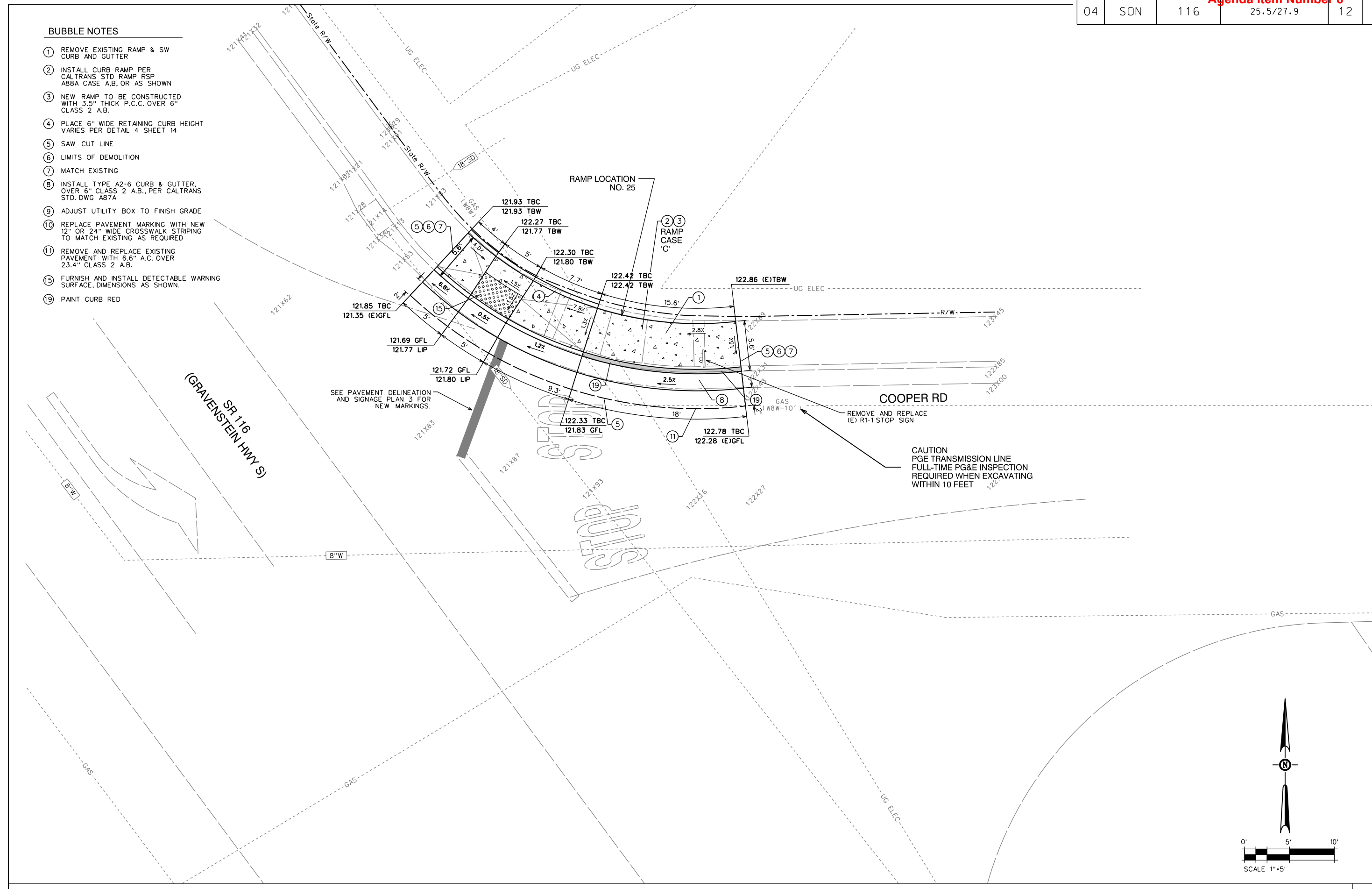
WEST SIDE OF MAPLE AVE & SR 116 INTX 22 & 23

DATE SIGNED \_\_\_\_\_  
 LICENSE Exp. DATE \_\_\_\_\_  
 REGISTRATION No. \_\_\_\_\_  
 CONSULTANT DESIGN ENGINEER  
 JOHN C. SCROGGS, P.E.

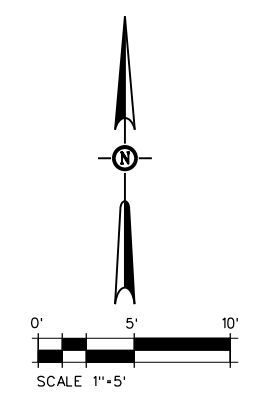
Agenda Item Number 8

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REGISTRATION NO. LICENSE Exp. DATE DATE SIGNED  
 CONSULTANT DESIGN ENGINEER  
 JOHN C. SCROGGS, P.E.



NORTHEAST SIDE OF COOPER RD & SR 116 INTX 25

Agenda Item Number 8  
 City Council Meeting Packet for May 4, 2021



| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|------|--------|-------|--------------------------|-----------|--------------|
| 04   | SON    | 116   | 25.5/27.9                | 13        | 21           |

2018 STANDARD PLAN A87A

DATE COUNTY ROUTE DISTRICT TOTAL PROJECT SHEET TOTAL SHEETS

REGISTERED CIVIL ENGINEER

MAY 31, 2018

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION

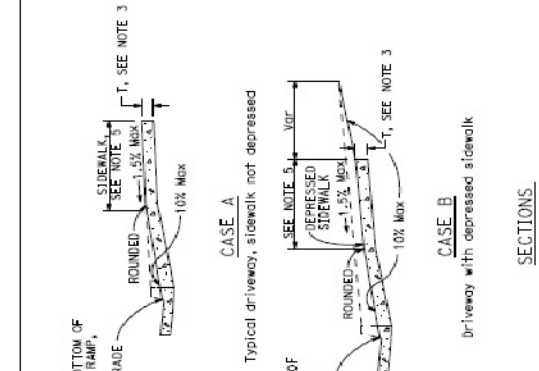
THIS SHEET IS THE PROPERTY OF THE ENGINEER AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF THE ENGINEER.

QUANTITIES

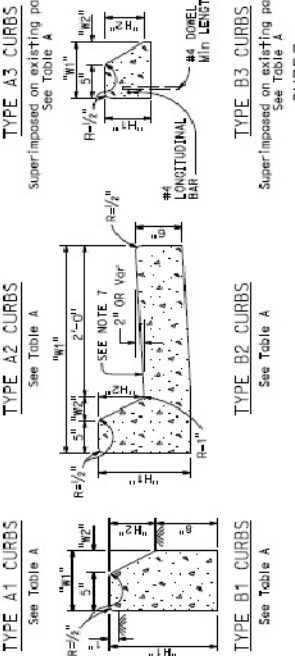
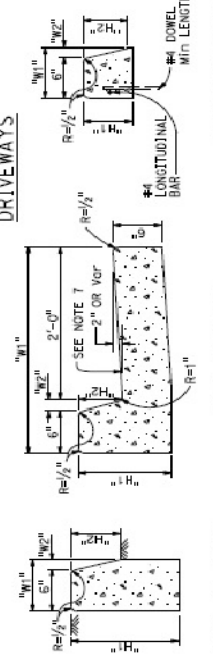
| CURB TYPE | CUBIC YARDS PER LINEAR FOOT |
|-----------|-----------------------------|
| A1-6      | 0.025655                    |
| A1-8      | 0.03084                     |
| A2-6      | 0.05903                     |
| A2-8      | 0.06379                     |
| A3-6      | 0.01435                     |
| A3-8      | 0.02185                     |
| B1-4      | 0.02930                     |
| B1-6      | 0.0515                      |
| B2-4      | 0.06171                     |
| B2-6      | 0.08611                     |
| B3-4      | 0.01074                     |
| B3-6      | 0.02709                     |
| D-4       | 0.04083                     |
| D-6       | 0.06604                     |
| E         | 0.06661                     |

TABLE A

| CURB TYPE | H <sub>1</sub> " | H <sub>2</sub> " | H <sub>3</sub> " | H <sub>4</sub> " | H <sub>5</sub> " |
|-----------|------------------|------------------|------------------|------------------|------------------|
| A1-6      | 1'-2"            | 6"               | 7 1/2"           | 7 1/2"           | 2"               |
| A1-8      | 1'-4"            | 6"               | 8"               | 8"               | 2"               |
| A2-6      | 1'-0"            | 6"               | 2'-7 1/2"        | 1 1/2"           | 2"               |
| A2-8      | 1'-2"            | 6"               | 2'-9"            | 2"               | 2"               |
| A3-6      | 6"               | 5"               | 7 1/4"           | 1 1/4"           | 1 1/4"           |
| A3-8      | 6"               | 5"               | 7 3/4"           | 1 3/4"           | 1 3/4"           |
| B1-4      | 1'-0"            | 4"               | 7 1/2"           | 2 1/2"           | 2 1/2"           |
| B1-6      | 1'-2"            | 6"               | 9"               | 4"               | 4"               |
| B2-4      | 1'-0"            | 4"               | 2'-7 1/2"        | 2 1/2"           | 2 1/2"           |
| B2-6      | 1'-0"            | 6"               | 7"               | 2"               | 2"               |
| B3-4      | 4"               | 3"               | 7"               | 2"               | 2"               |
| B3-6      | 6"               | 5"               | 8 1/2"           | 3 1/2"           | 3 1/2"           |
| D-4       | 1'-0"            | 4"               | 1'-6"            | 1'-1"            | 1'-1"            |
| D-6       | 1'-0"            | 6"               | 2'-2"            | 1'-9"            | 1'-9"            |



DRIVEWAYS



**NOTES:**

- Case A driveway section typically applies.
- 2x3'-0" except for curb heights over 10" where 4:1 slopes shall be used on curb slope.
- Sidewalk and ramp thickness "T" at driveway shall be 4" for residential and 6" for commercial.
- Difference in slope of the driveway ramp and the slope of a line between the gutter and a point on the roadway shall be 1:15 from gutter line shall not be the roadway. Retaining curbs shall not be on gutter slope, where required.
- Minimum width of clear passageway for sidewalk shall be 4'-2".
- Retaining curbs and acquisition of construction easement may be necessary for narrow sidewalks or curb heights in excess of 6".
- Across the pedestrian route of curb ramp locations, the gutter pan slope shall not exceed 1" of depth for each 2'-0" of width.

CURBS AND DRIVEWAYS

NO SCALE

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION

A87A

2018 STANDARD PLAN A88A

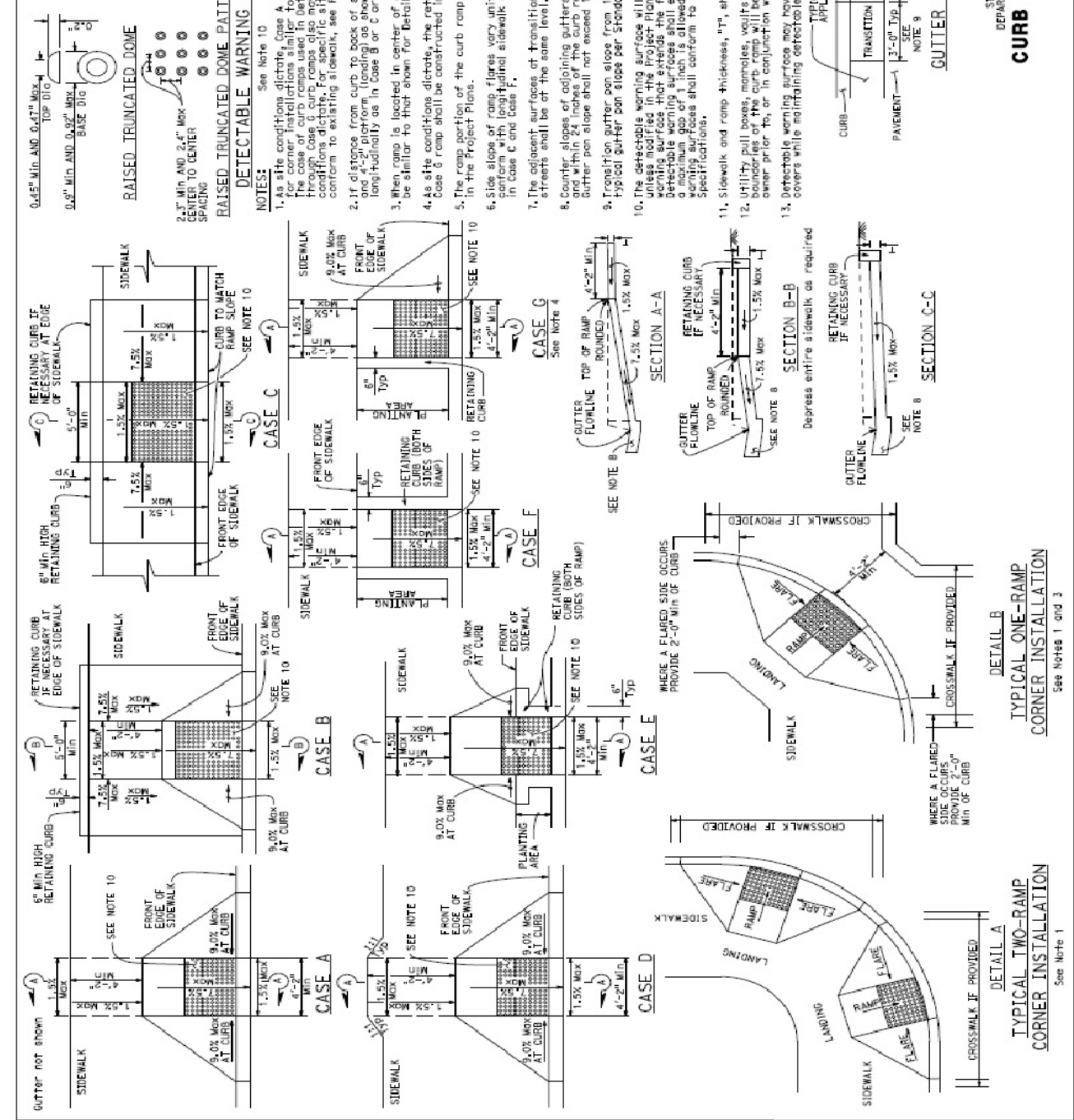
DATE COUNTY ROUTE DISTRICT TOTAL PROJECT SHEET TOTAL SHEETS

REGISTERED CIVIL ENGINEER

MAY 31, 2018

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION

THIS SHEET IS THE PROPERTY OF THE ENGINEER AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF THE ENGINEER.



CURB RAMP DETAILS

NO SCALE

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION

A88A

CALTRANS CURB AND GUTTER

NO SCALE

1

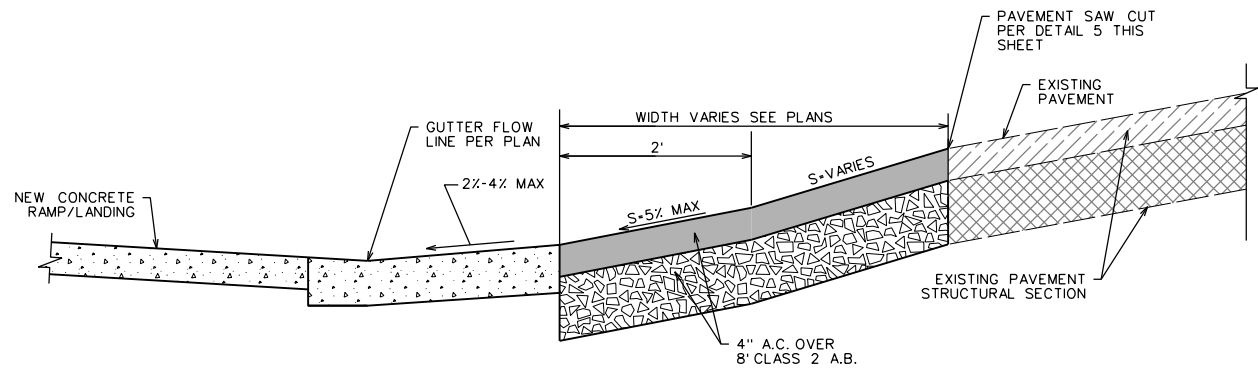
CALTRANS CURB RAMPS

NO SCALE

2

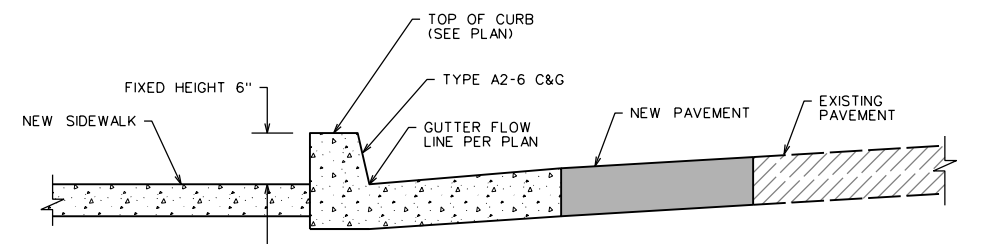


Agenda Item Number 8



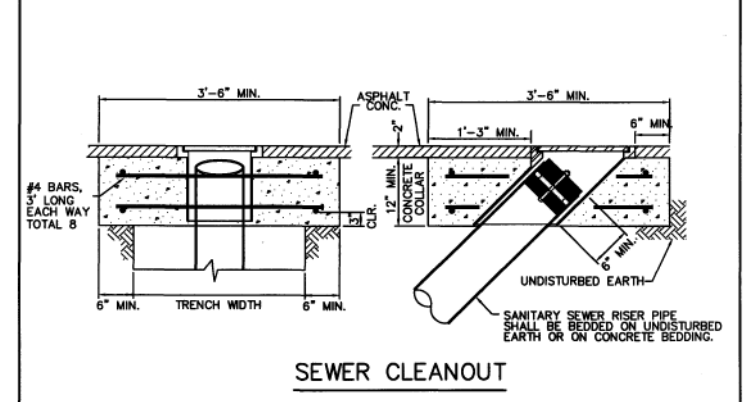
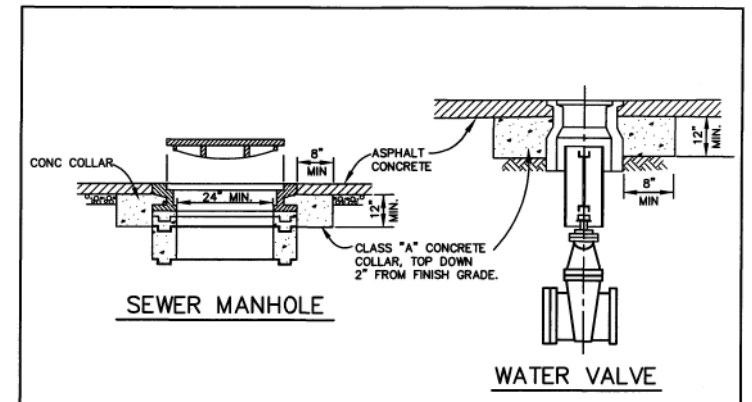
**PAVEMENT REPLACEMENT**  
NO SCALE

1



**BARRIER CURB**  
NO SCALE

6

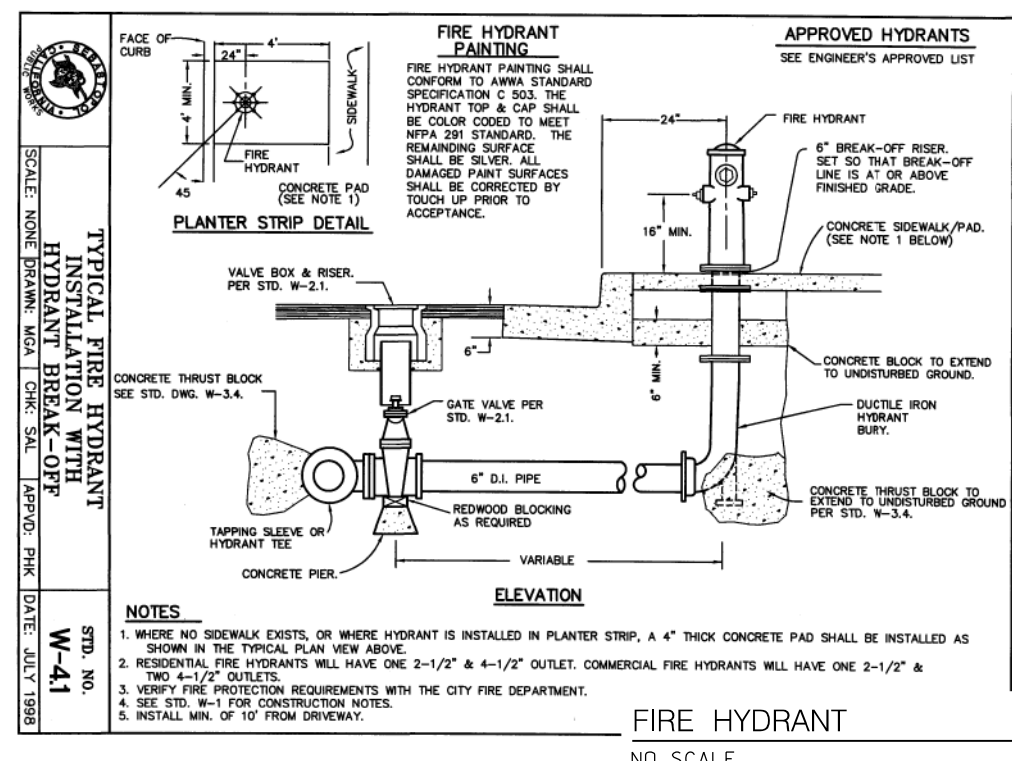


**STANDARD MANHOLE, CLEANOUT & VALVE BOX ADJUSTMENT**  
SCALE: NONE DRAWN: MGA CHK: SAL APPVD: PHK DATE: JULY 1998

STD. NO. S-7.3

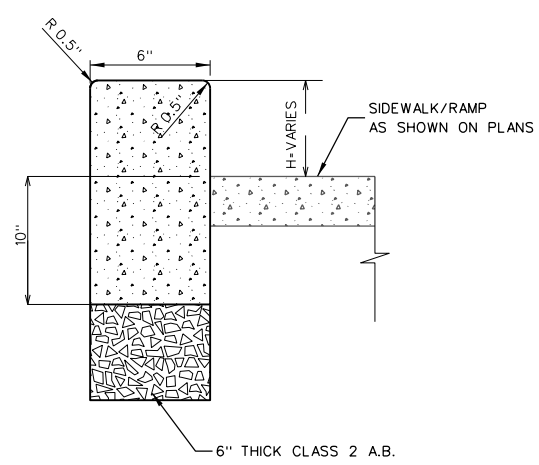
**VALVE BOX ADJUSTMENT**  
NO SCALE

2



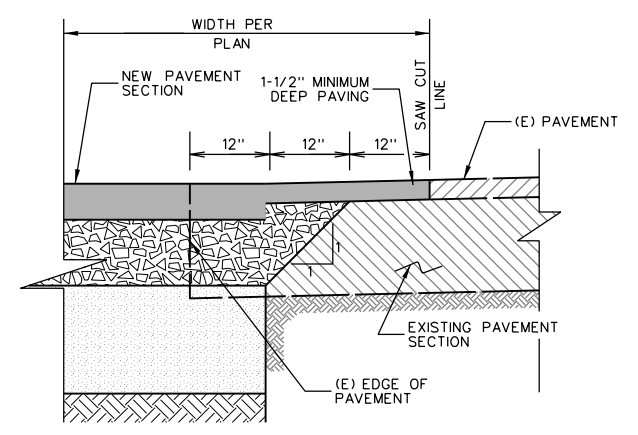
**FIRE HYDRANT**  
NO SCALE

3



**RETAINING VERTICAL CURB DETAIL**  
NO SCALE

4



**PAVEMENT SAW CUT DETAIL**  
NO SCALE

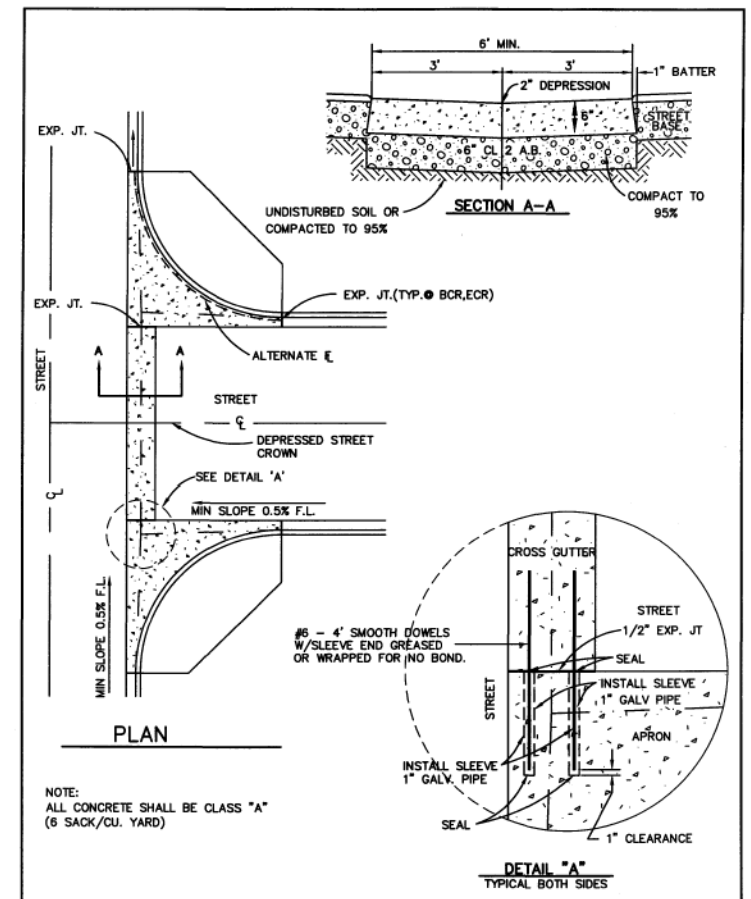
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Agenda Item Number 8  
City Council Meeting Packet for May 4, 2021

DETAILS 2

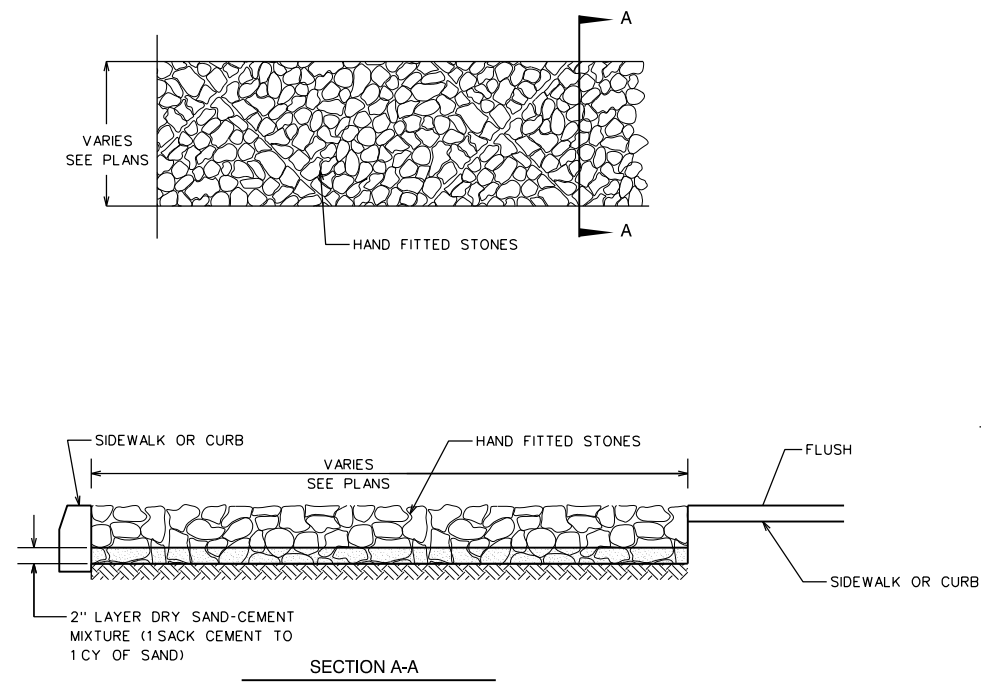
REGISTRATION NO. DATE SIGNED DATE SIGNED DATE SIGNED  
L. LICENSE Exp. DATE  
CONSULTANT DESIGN ENGINEER JOHN C. SCROGGS, P.E. DATE: JULY 1998

Agenda Item Number 8



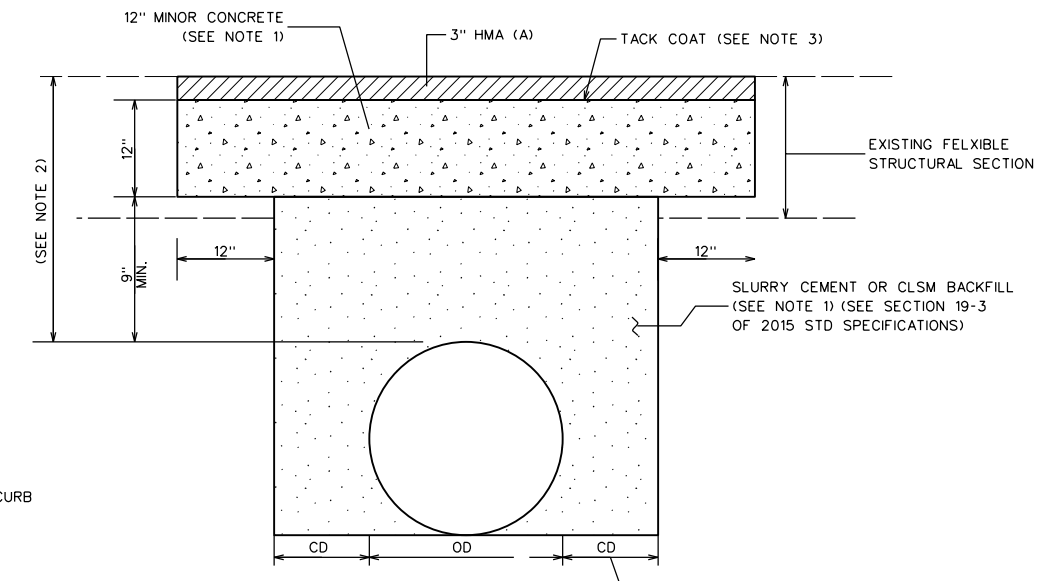
**CROSS GUTTER**  
 STD. NO. R-22  
 SCALE: NONE DRAWN: MGA CHK: APPVD: PHK DATE: JULY 1998

CROSS GUTTER  
 NO SCALE (1)



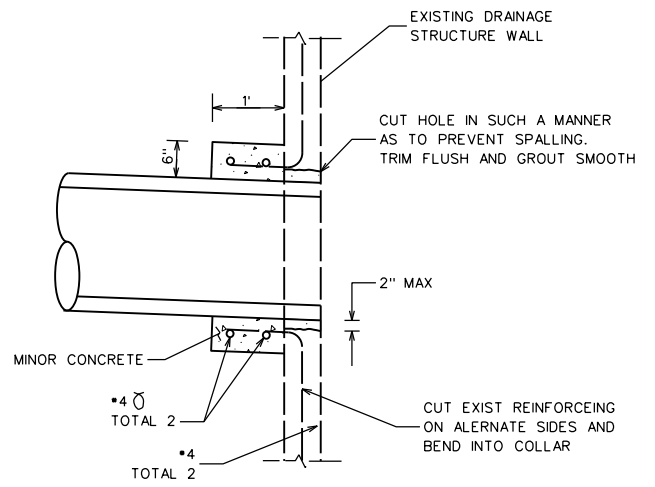
- NOTES:
- HAND FITTED STONES TO MATCH EXISTING PARKWAY IN DOWNTOWN SEBASTOPOL
  - ALL STONES SHALL BE PAMY STONE COBBLES, UNBROKEN WEATHERED SMOOTH.
  - SIZE RANGE: 3"x3" TO 6"x6" AVERAGE 4"x4"
  - ONCE STONES ARE SET, BRUSH IN ADDITIONAL SAND-CEMENT (EQUIVALENT TO 1" OVER ENTIRE SURFACE) TO FILL VOIDS BETWEEN STONES. SPRINKLE SURFACE WITH WATER TO MOISTEN ALL SAND-CEMENT TO SET UP.

GROUTED COBBLE  
 NO SCALE (2)



- NOTES
- CONCRETE CAP MAY BE RAPID STRENGTH CONCRETE (RSC). IF RSC IS USED, REPLACE THE SLURRY CEMENT OR CLSM BACKFILL WITH LEAN CONCRETE BACKFILL OR RSC DEPENDING UPON THE PROJECT TIME CONSTRAINTS.
  - FOR NEW INSTALLATIONS, MINIMUM DEPTH OF COVER REQUIREMENTS ARE TO FOLLOW GUIDELINES IN THE ENCROACHMENT PERMITS MANUAL OR HIGHWAY DESIGN MANUAL. WHEN COVER OVER A REPLACEMENT PIPE/ENCASEMENT PIPE IS LESS THAN 24", A SPECIAL DESIGN IS NECESSARY.
  - TACK COAT (ASPHALTIC EMULSION) SHALL BE APPLIED PRIOR TO PLACING HMA (A).
  - ALL TRENCH WORK SUBJECT TO STATE REGULATIONS AND INSPECTION.
  - ALL MATERIALS, WORKMANSHIP, TESTING AND INSPECTIONS SHALL COMPLY WITH CALTRANS STANDARD SPECIFICATIONS AND PROJECT-SPECIFIC SPECIAL PROVISIONS.
  - USE OF THIS DETAIL IS APPLICABLE IF HIGH GROUNDWATER CONDITIONS DO NOT EXIST WITHIN THE TRENCH.
- CD-6" TO 12"  
 (6" FOR PIPES 42" OR LESS IN DIAMETER OR SPAN  
 12" FOR PIPES OVER 42" IN DIAMETER OF SPAN)
- FOR BEDDING REQUIREMENTS, SEE APPLICABLE STANDARD PLANS

ROADWAY TRENCH PAVING DETAIL  
 NO SCALE (4)



- NOTES
- IF WALL OF EXISTING DRAINAGE STRUCTURE HAS NO REINFORCING DRILL AND BOND DOWELS, 1 FOOT ON CENTER, 6" INTO WALL AND BEND INTO COLLAR.
  - SQUARE OR CIRCULAR COLLAR OPTIONAL.

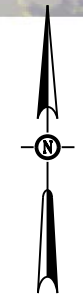
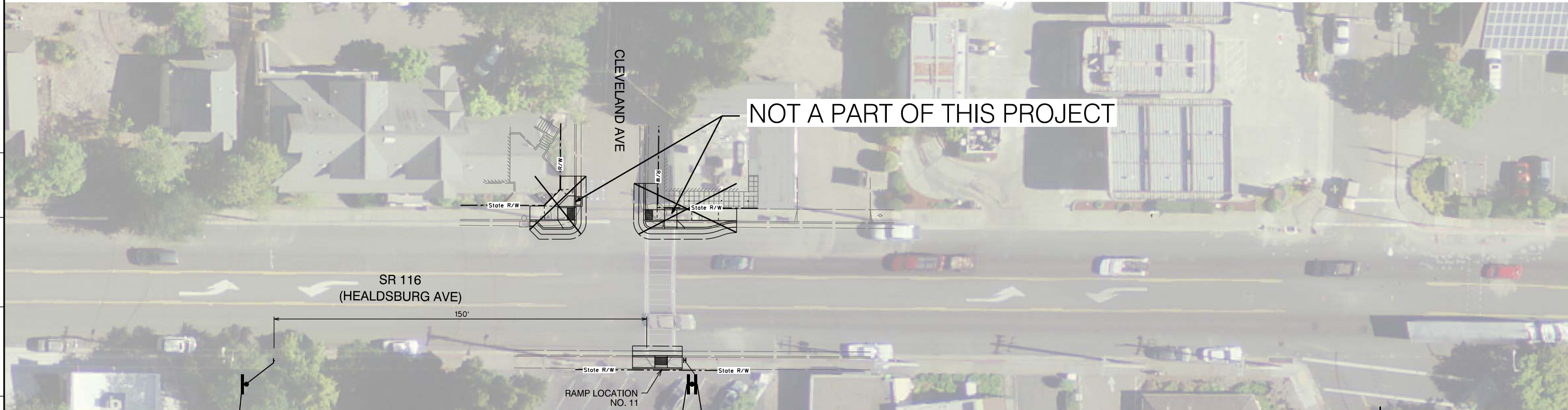
PIPE CONNECTION TO EXISTING DRAINAGE STRUCTURE  
 NO SCALE (3)

REGISTRATION NO. DATE SIGNED DATE SIGNED  
 L. LICENSE Exp. DATE  
 CONSULTANT DESIGN ENGINEER  
 JOHN C. SCROGGS, P.E.

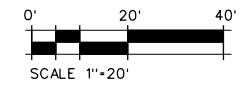


|      |        |       |                             |              |                 |
|------|--------|-------|-----------------------------|--------------|-----------------|
| Dist | COUNTY | ROUTE | POST MILES<br>TOTAL PROJECT | SHEET<br>No. | TOTAL<br>SHEETS |
| 04   | SON    | 116   | 25.5/27.9                   | 16           | 21              |

Agenda Item Number 8



PAVEMENT DELINEATION AND  
SIGNAGE PLAN 1



- NOTES**
1. ALL STRIPING SHALL BE INSTALLED PER CALTRANS STANDARD PLANS (2015), CA MUTCD 2014, AND THE DETAILS SHOWN IN THESE PLANS.
  2. ALL STRIPING AND PAVEMENT MARKINGS SHALL BE THERMOPLASTIC, UNLESS OTHERWISE NOTED.
  3. REMOVE EXISTING STRIPING WHERE IN CONFLICT WITH NEW STRIPING.
  4. INSTALL "BASIC" CROSSWALK LINES PER CALTRANS STANDARD PLAN A24F.
  7. INSTALL YIELD LINE PER CALTRANS STANDARD PLAN A24E.
  8. STRIPING AND PAVEMENT MARKINGS SHALL BE COORDINATED WITH CITY OF SEBASTOPOL ROADWAY IMPROVEMENT PLANS FOR '116 BIKE LANE IMPROVEMENTS IN THE CITY OF SEBASTOPOL' CONTRACT NO. 2014-05.
  9. ALL SIGNS SHALL BE CONVENTIONAL SIZING PER CA MUTCH UNLESS OTHERWISE NOTED.

REGISTRATION NO. DATE SIGNED  
LICENSE Exp. DATE  
CONSULTANT DESIGN ENGINEER  
JOHN C. SCROGGS, P.E.

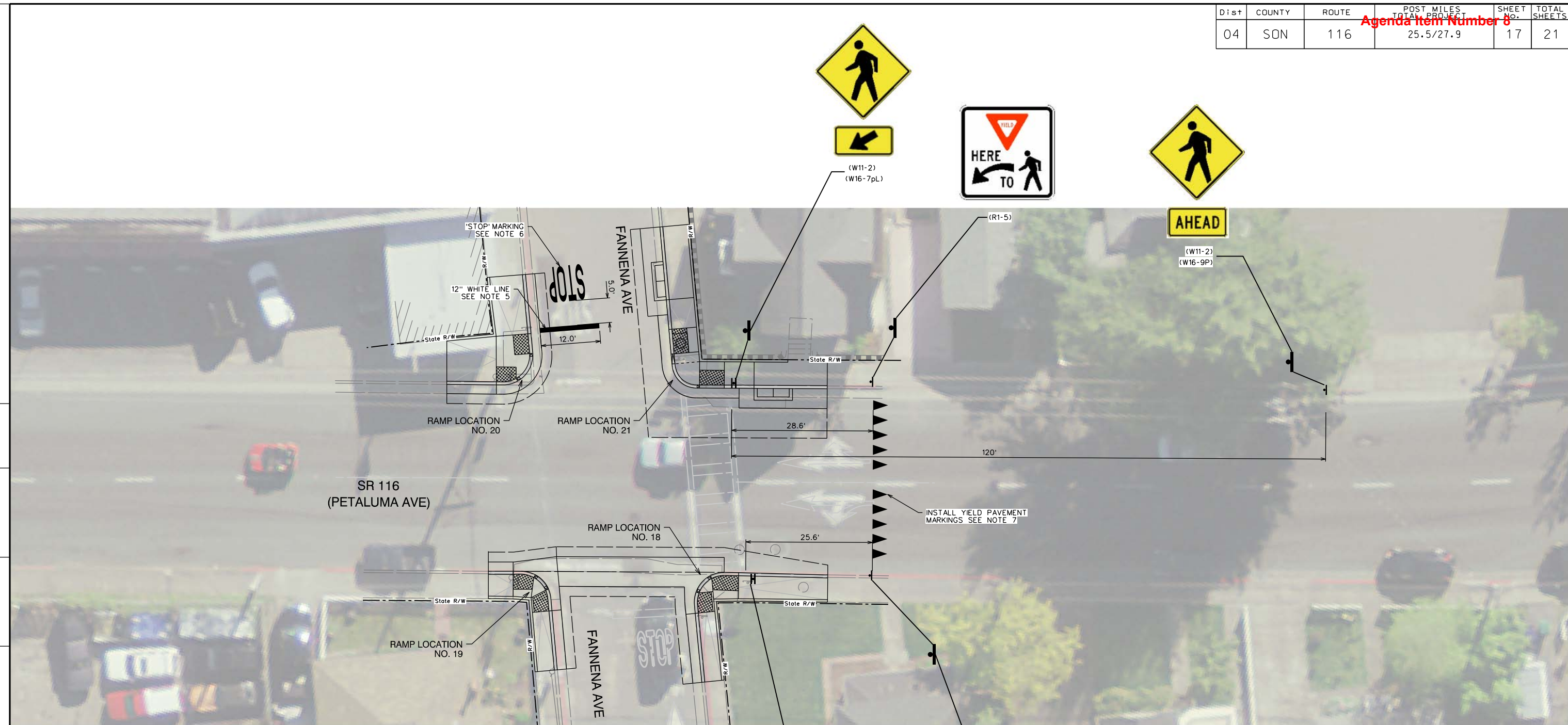


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SEPT 2018 TIME PLOTTED = 2:40:42 PM



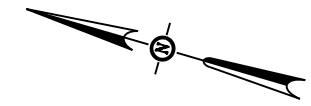
| DIST | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET NO. | TOTAL SHEETS |
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| 04   | SON    | 116   | 25.5/27.9                | 17        | 21           |

Agenda Item Number 8

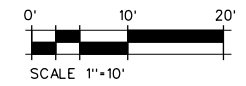


**NOTES**

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5. INSTALL LIMIT LINE PER CALTRANS STANDARD PLAN A24E.
6. INSTALL WORD PAVEMENT MARKING PER CALTRANS STANDARD PLANS A24D AND A24E.
7. INSTALL YIELD LINE PER CALTRANS STANDARD PLAN A24E.
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**PAVEMENT DELINEATION AND SIGNAGE PLAN 2**

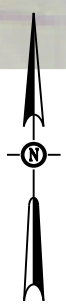
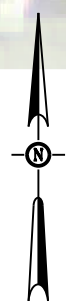
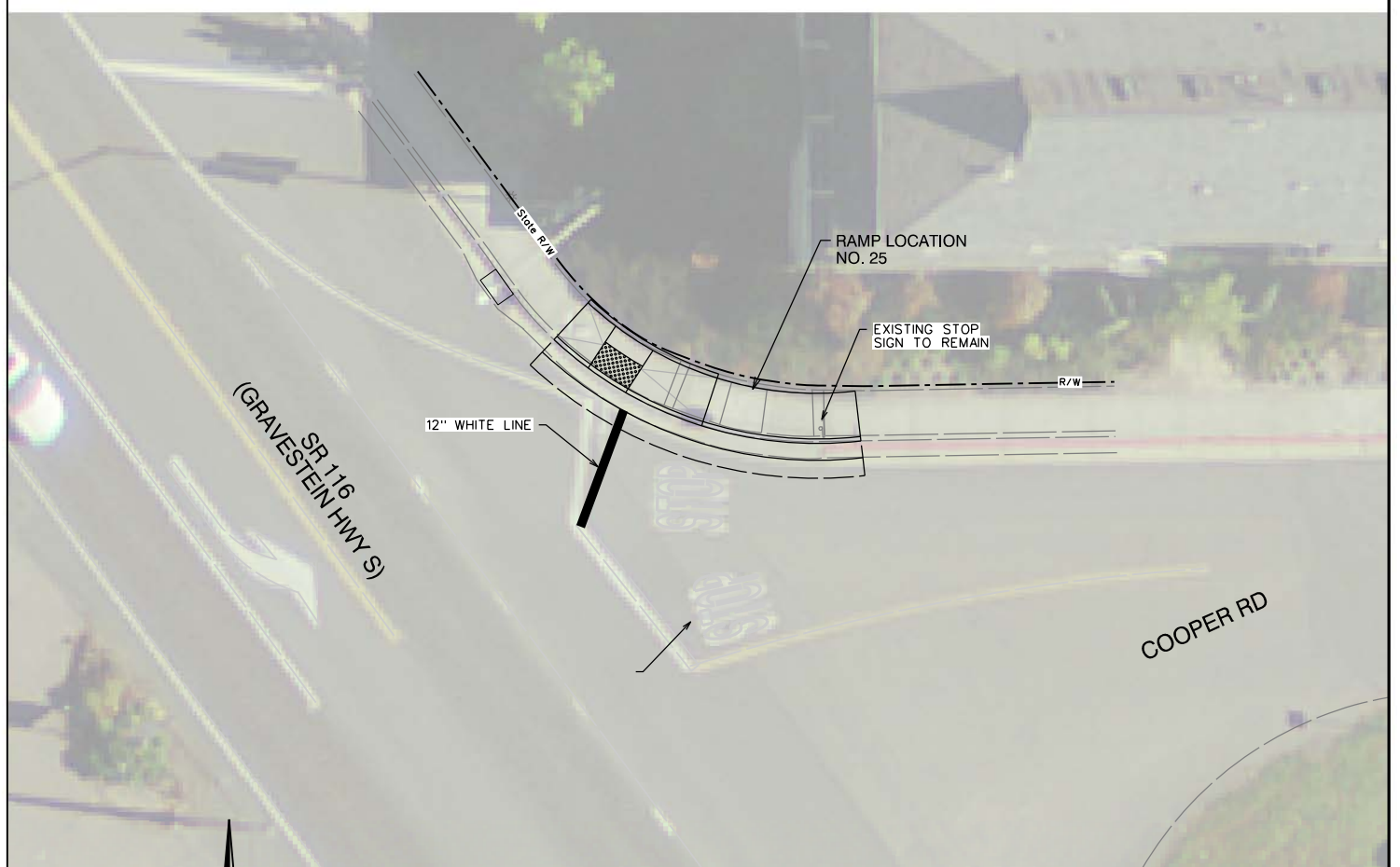
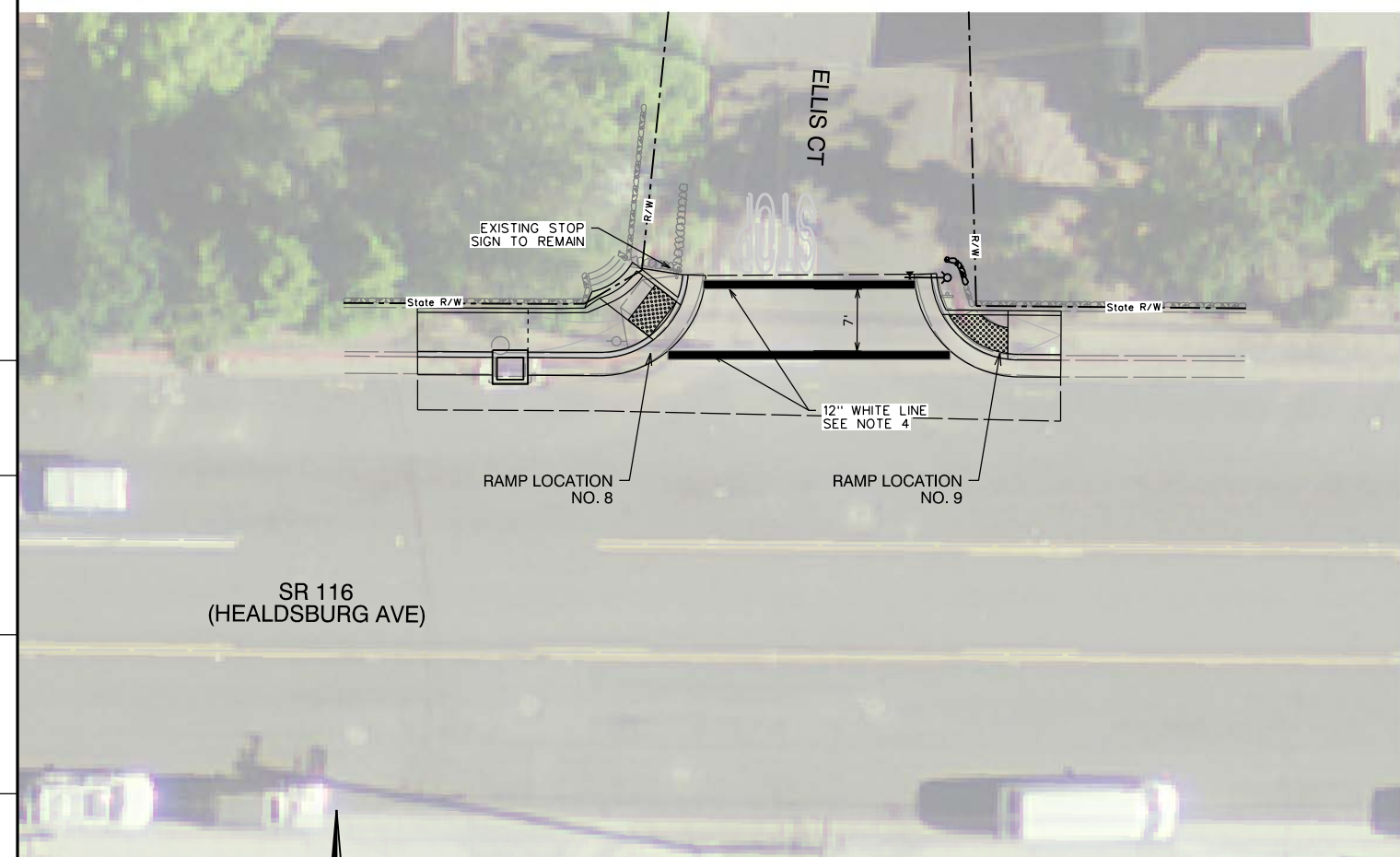


REGISTRATION NO. DATE SIGNED  
 LICENSE Exp. DATE  
 CONSULTANT DESIGN ENGINEER  
 JOHN C. SCROGGS, P.E.



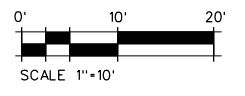
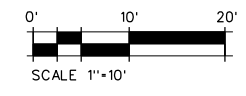
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| 04   | SON    | 116   | 25.5/27.9                   | 18           | 21              |

Agenda Item Number 8



PAVEMENT DELINEATION AND  
SIGNAGE PLAN 3

PAVEMENT DELINEATION AND  
SIGNAGE PLAN 3



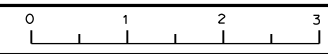
NOTES

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ELLIS CT & SR 116

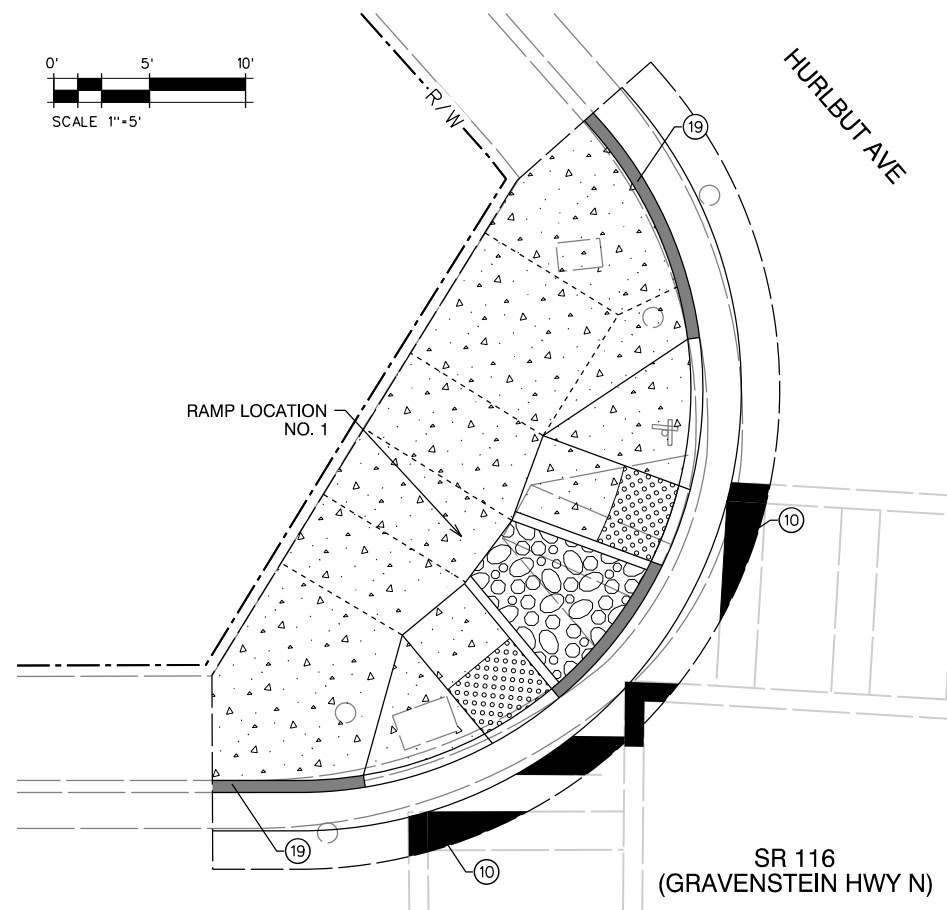
COOPER RD & SR 116

REGISTRATION NO. LICENSE Exp. DATE SIGNED DATE SIGNED  
CONSULTANT DESIGN ENGINEER  
JOHN C. SCROGGS, P.E.

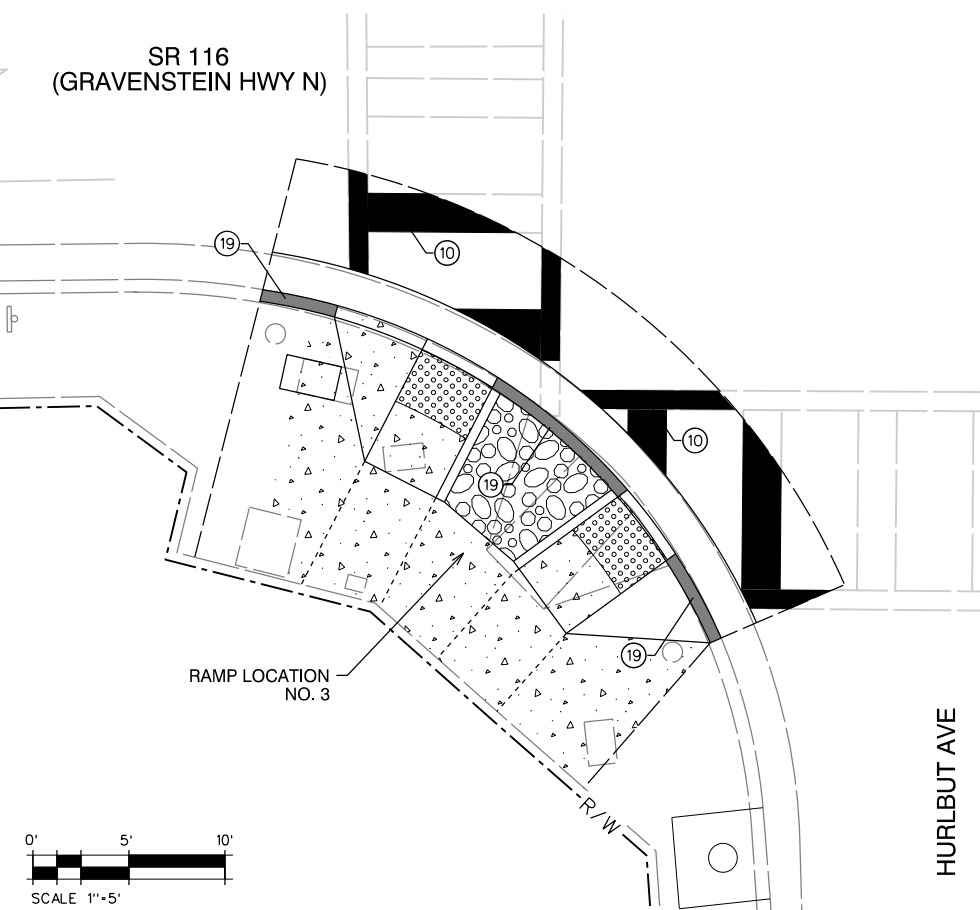


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| Dist | COUNTY | ROUTE | POST MILES<br>TOTAL PROJECT | SHEET<br>No. | TOTAL<br>SHEETS |
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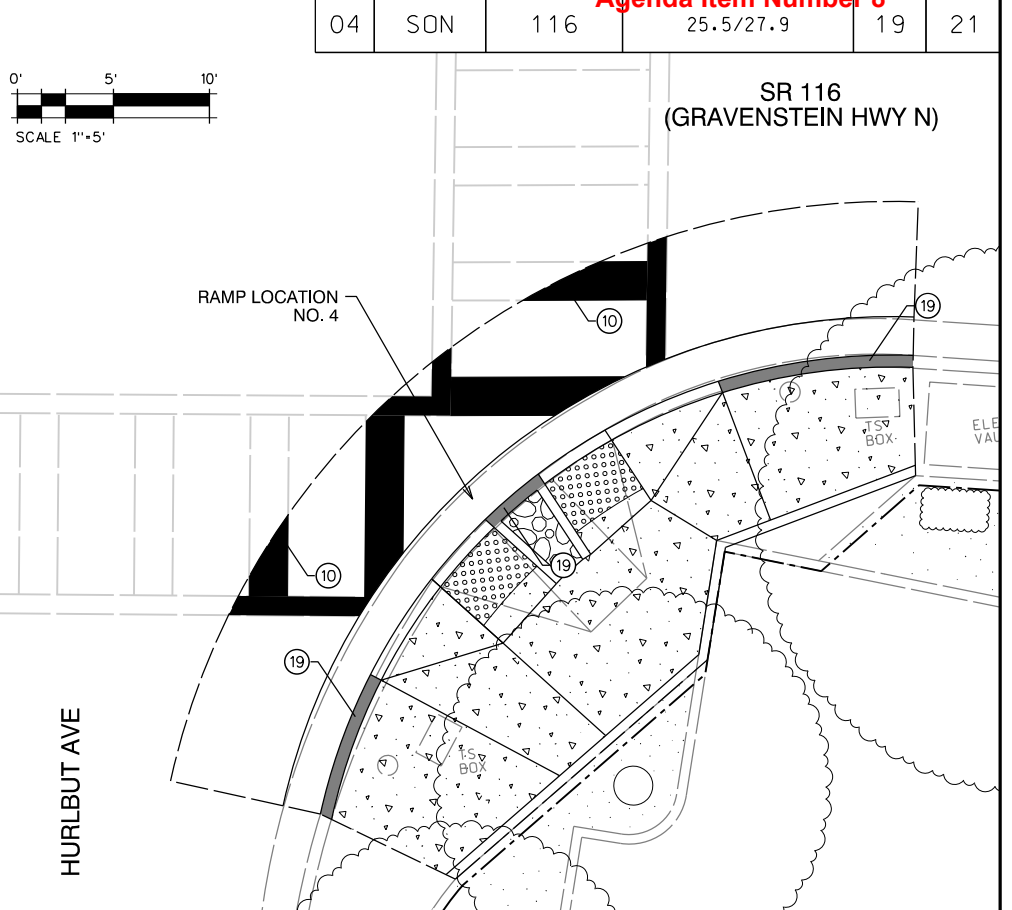
Agenda Item Number 8



NORTH CORNER OF HURLBUT AVE & SR 116 INTX 1

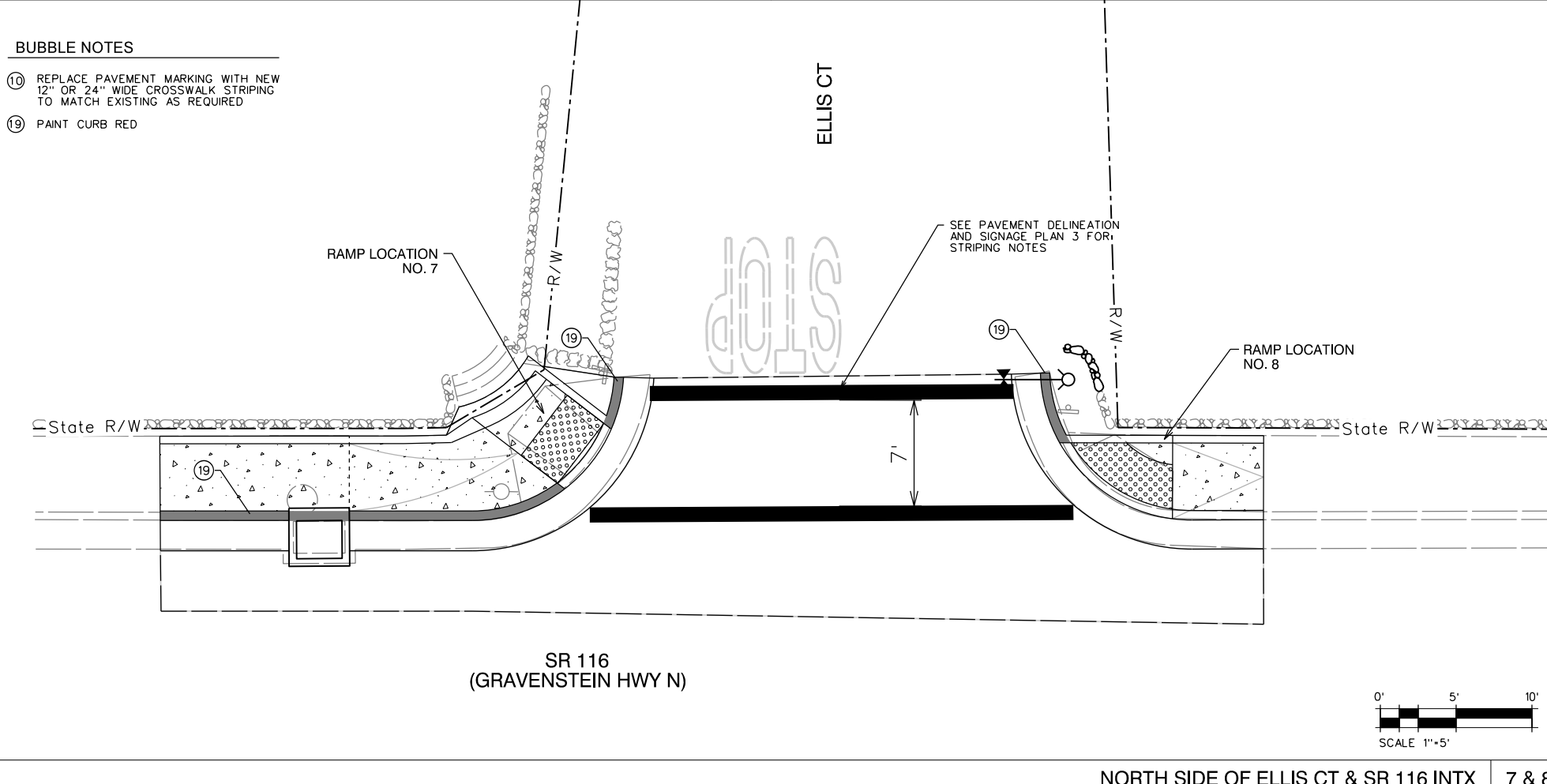


WEST CORNER OF HURLBUT AVE & SR 116 INTX 3

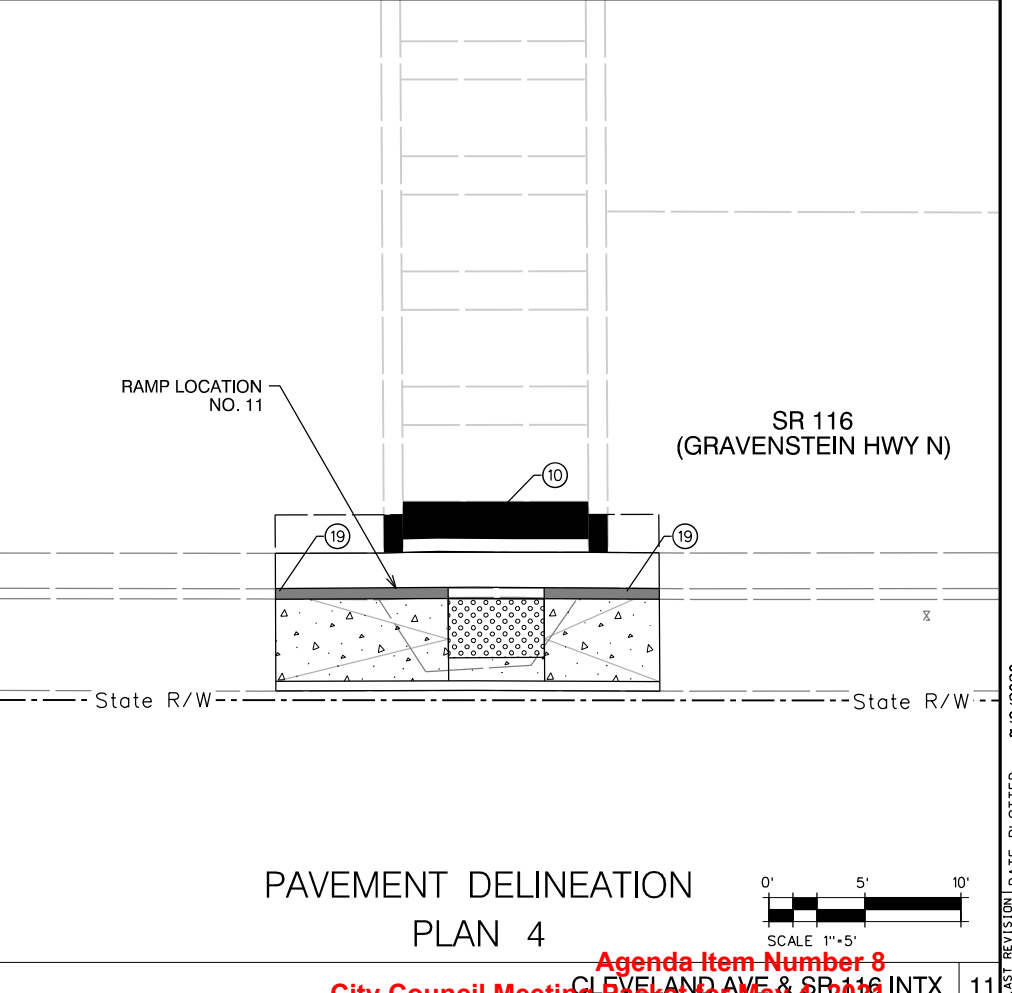


SOUTH CORNER OF HURLBUT AVE & SR 116 INTX 4

- BUBBLE NOTES**
- ⑩ REPLACE PAVEMENT MARKING WITH NEW 12" OR 24" WIDE CROSSWALK STRIPING TO MATCH EXISTING AS REQUIRED
  - ⑲ PAINT CURB RED



NORTH SIDE OF ELLIS CT & SR 116 INTX 7 & 8



PAVEMENT DELINEATION  
PLAN 4

STATE HWY 116 ADA SIDEWALK RAMP 11

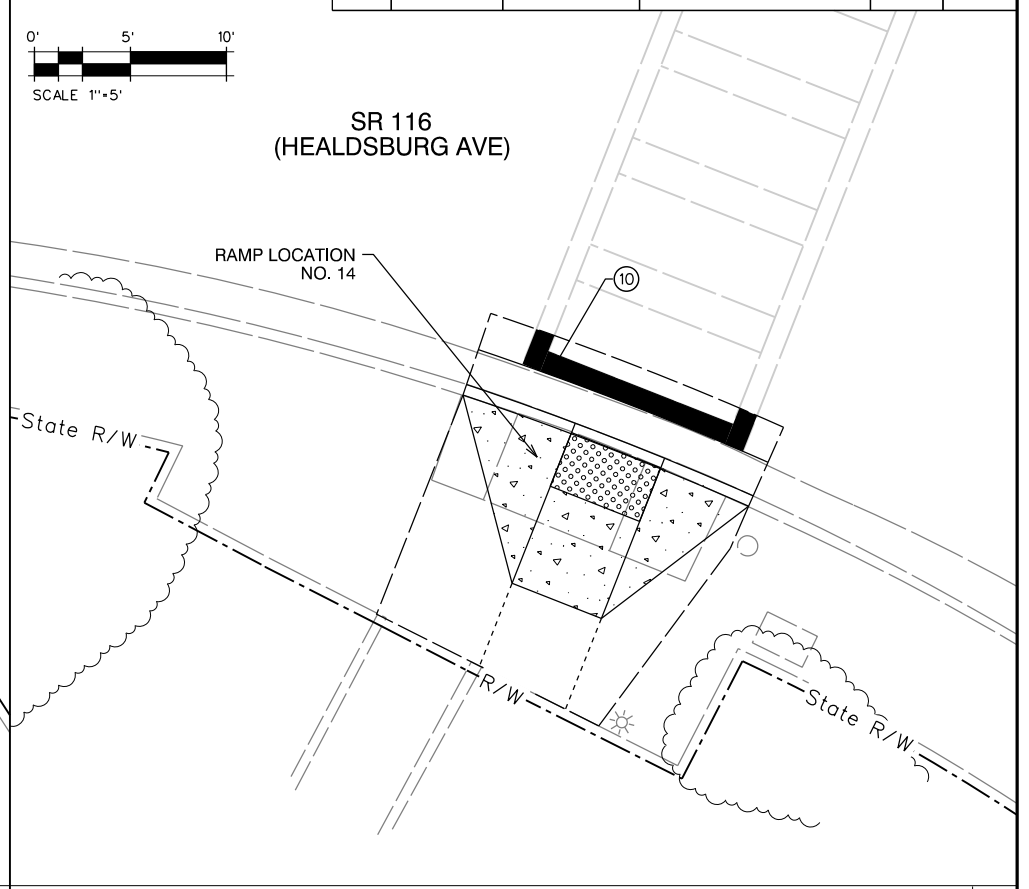
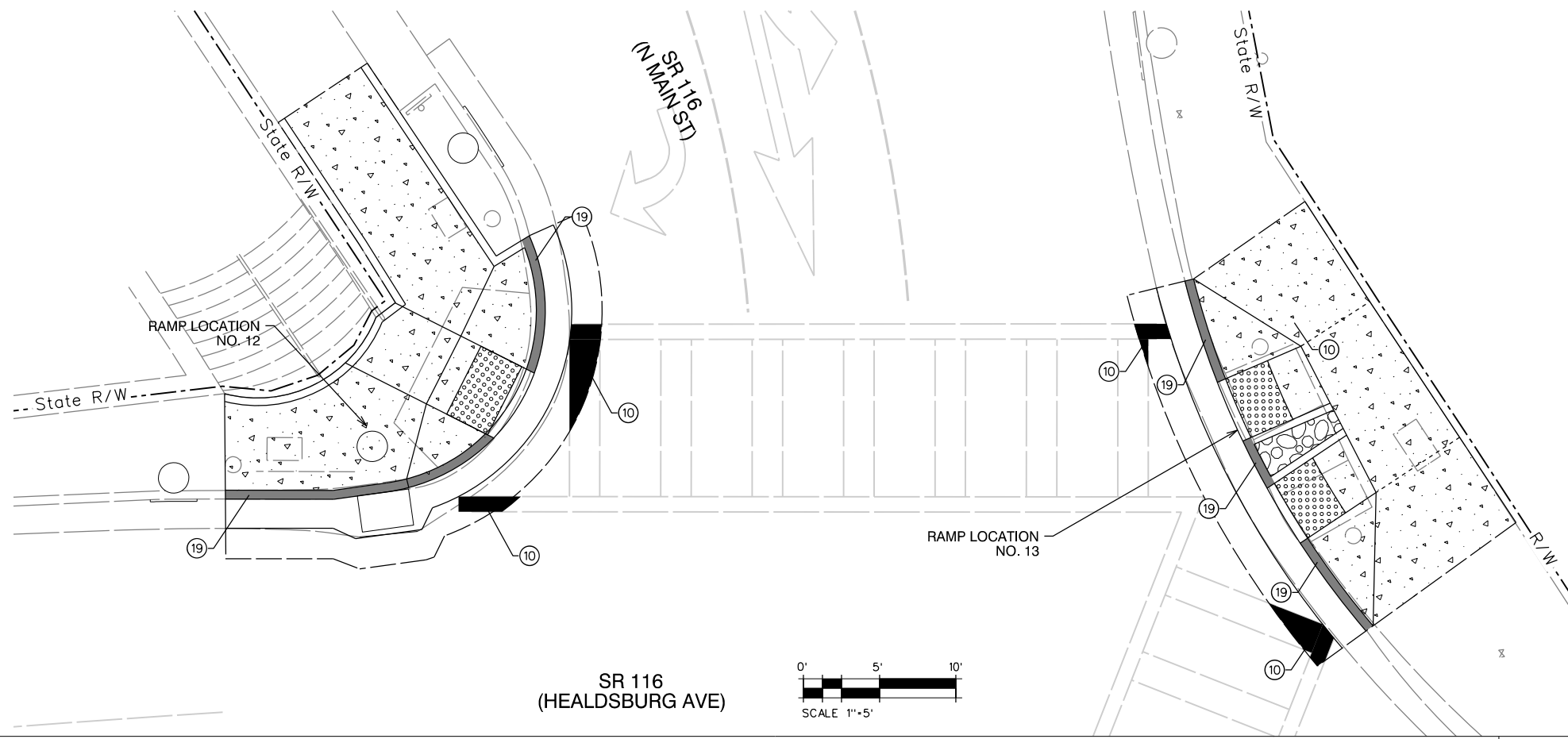
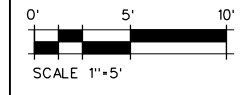
REGISTRATION NO. LICENSE Exp. DATE DATE SIGNED  
 CONSULTANT DESIGN ENGINEER  
 JOHN C. SCROGGS, P.E.

LAST REVISION DATE PLOTTED = 7/9/2020  
 SEPT 2018 TIME PLOTTED = 2:40:47 PM



|      |        |       |                             |              |                 |
|------|--------|-------|-----------------------------|--------------|-----------------|
| Dist | COUNTY | ROUTE | POST MILES<br>TOTAL PROJECT | SHEET<br>No. | TOTAL<br>SHEETS |
| 04   | SON    | 116   | 25.5/27.9                   | 20           | 21              |

Agenda Item Number 8



NORTH SIDE OF INTX OF N. MAIN ST. & SR 116

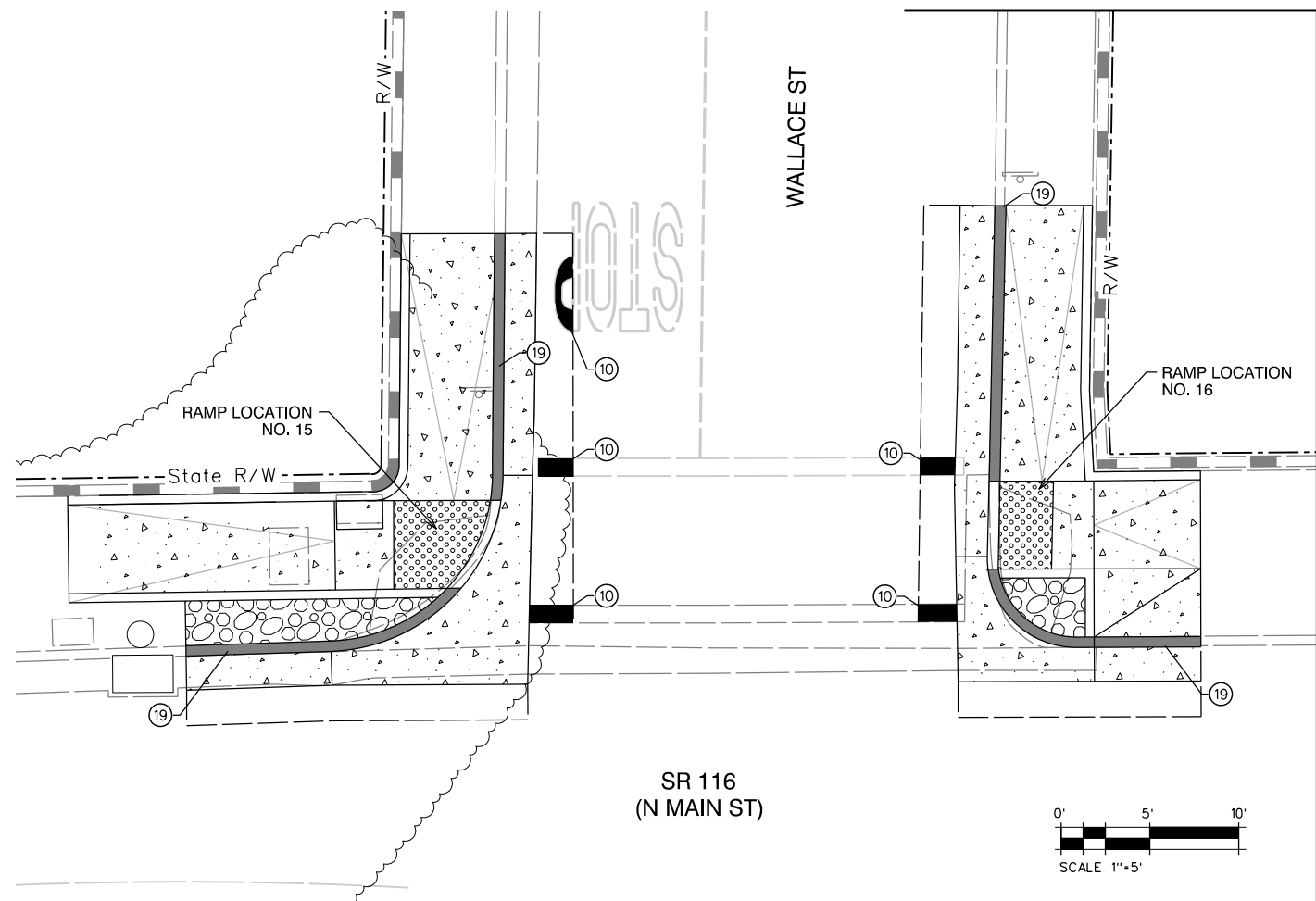
12 & 13

SOUTH SIDE OF INTX OF N. MAIN ST. & SR 116

14

**BUBBLE NOTES**

- ⑩ REPLACE PAVEMENT MARKING WITH NEW 12" OR 24" WIDE CROSSWALK STRIPING TO MATCH EXISTING AS REQUIRED
- ⑲ PAINT CURB RED



EAST SIDE OF INTX OF WALLACE ST. & SR 116

15 & 16

PAVEMENT DELINEATION  
PLAN 5

Agenda Item Number 8  
City Council Meeting Packet for May 4, 2021



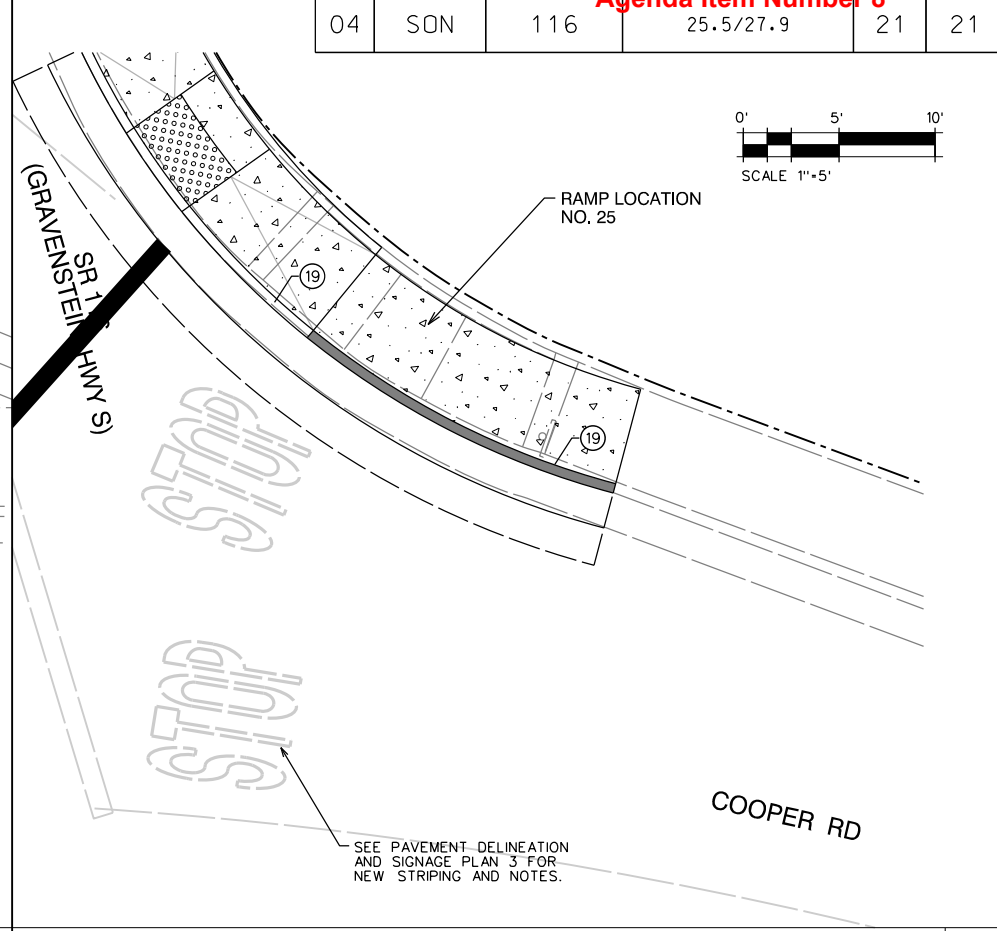
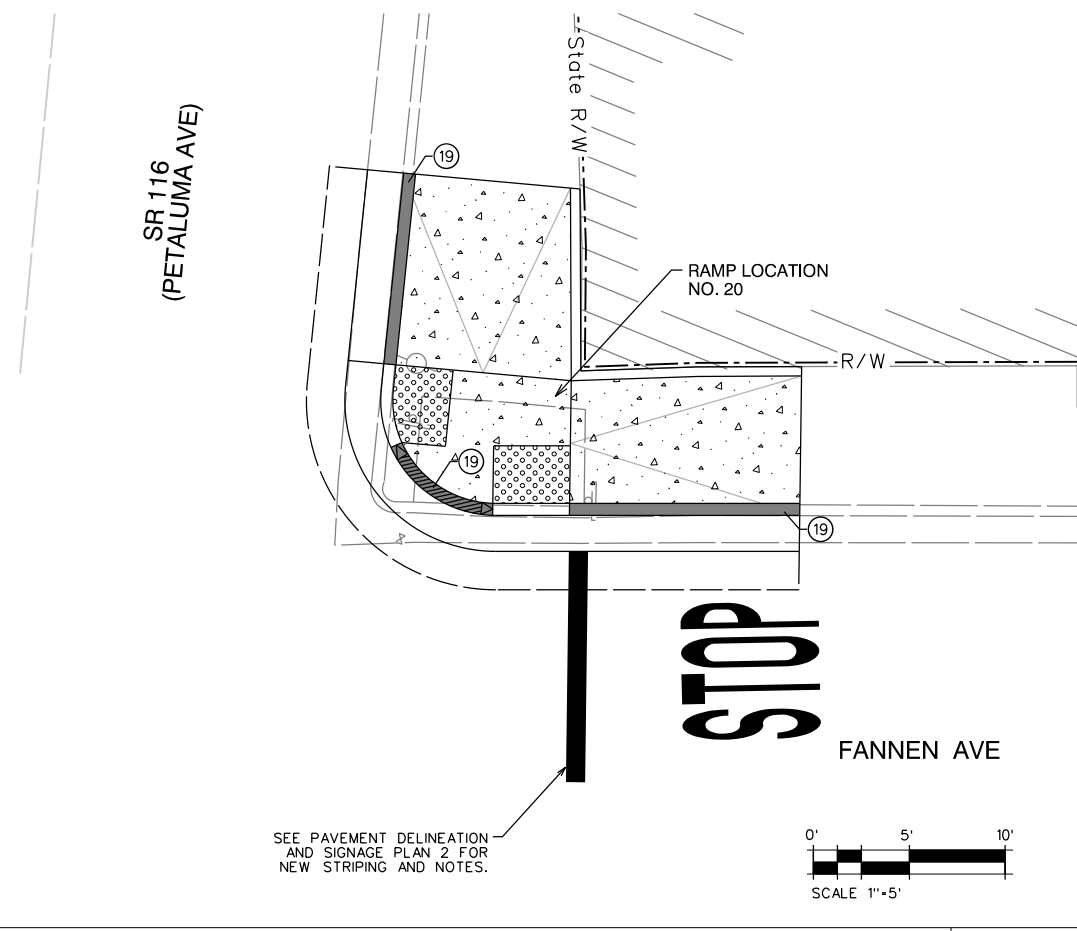
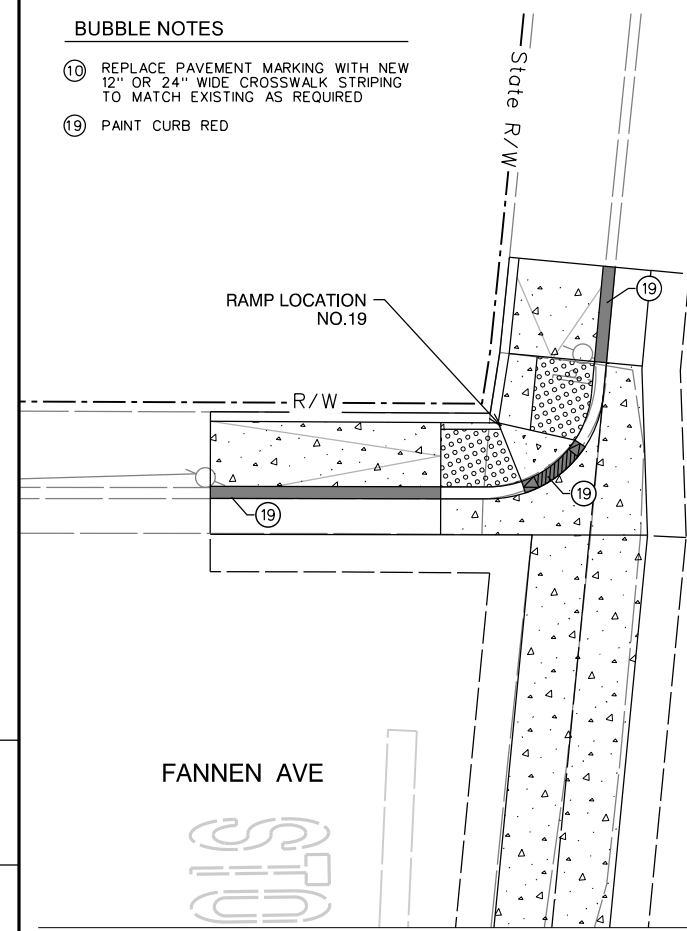
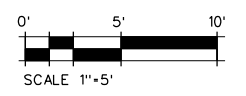
REGISTRATION NO. LICENSE Exp. DATE SIGNED DATE  
CONSULTANT DESIGN ENGINEER  
JOHN C. SCROGGS, P.E.

|      |        |       |                             |              |                 |
|------|--------|-------|-----------------------------|--------------|-----------------|
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| 04   | SON    | 116   | 25.5/27.9                   | 21           | 21              |

Agenda Item Number 8

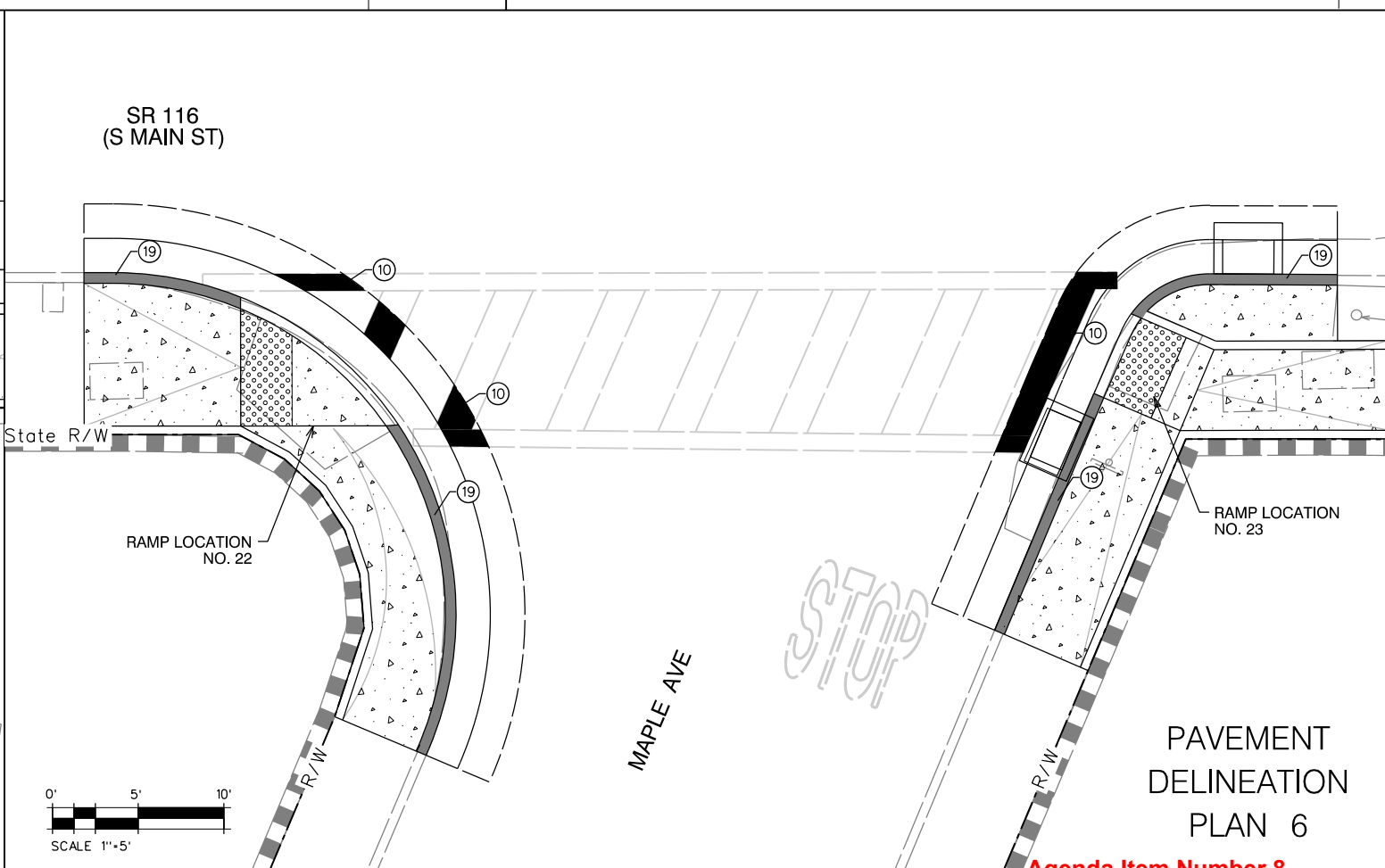
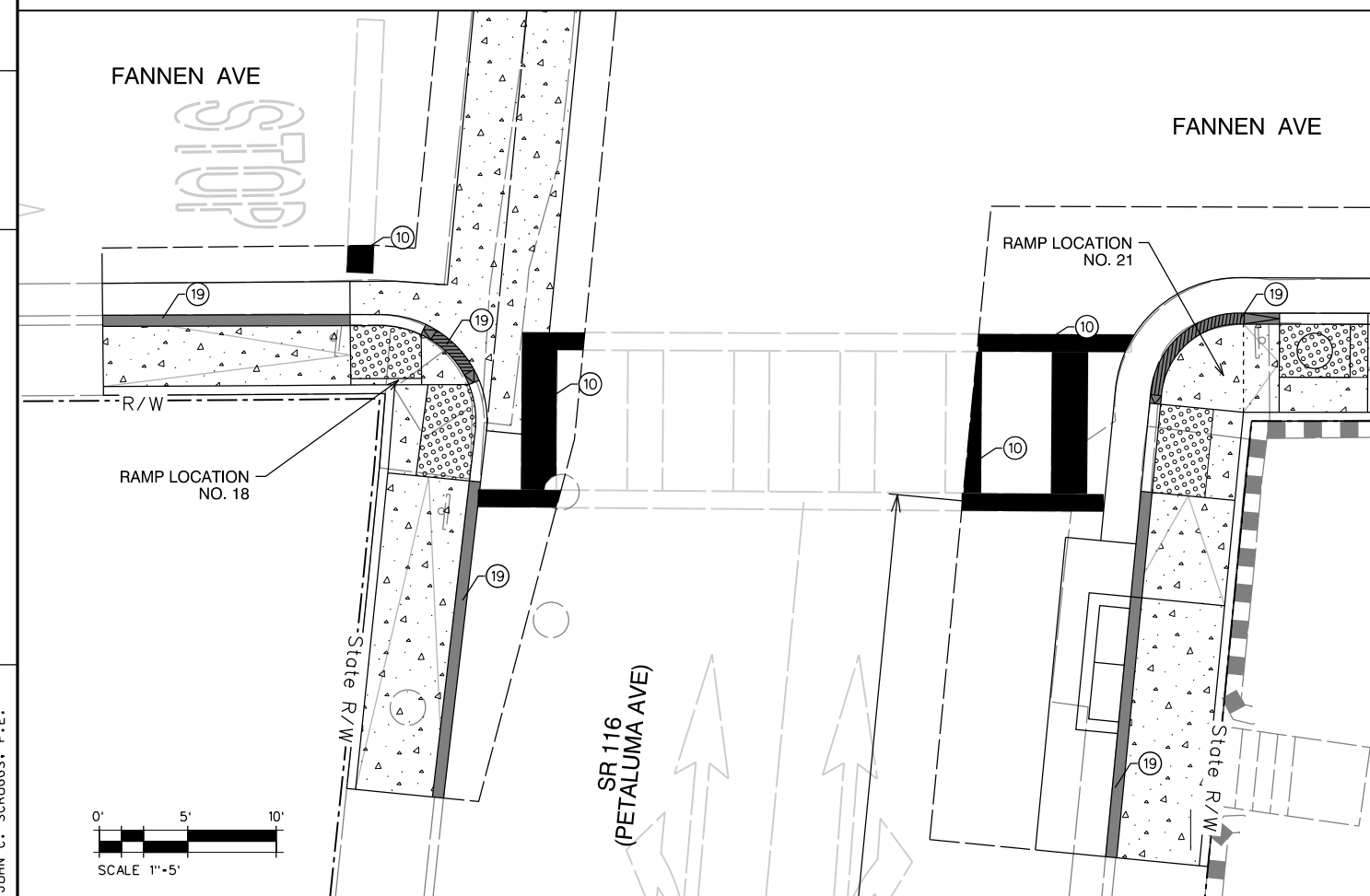
**BUBBLE NOTES**

- ⑩ REPLACE PAVEMENT MARKING WITH NEW 12" OR 24" WIDE CROSSWALK STRIPING TO MATCH EXISTING AS REQUIRED
- ⑲ PAINT CURB RED



FANNEN AVE & SR 116 INTX 19 & 20

NORTHEAST SIDE OF COOPER RD & SR 116 INTX 25



FANNEN AVE & SR 116 INTX 18 & 21

WEST SIDE OF MAPLE AVE & SR 116 INTX 22 & 23

**PAVEMENT DELINEATION PLAN 6**

Agenda Item Number 8  
City Council Meeting Packet for May 4, 2021

REGISTRATION NO. LICENSE Exp. DATE SIGNED DATE  
CONSULTANT DESIGN ENGINEER JOHN C. SCROGGS, P.E.

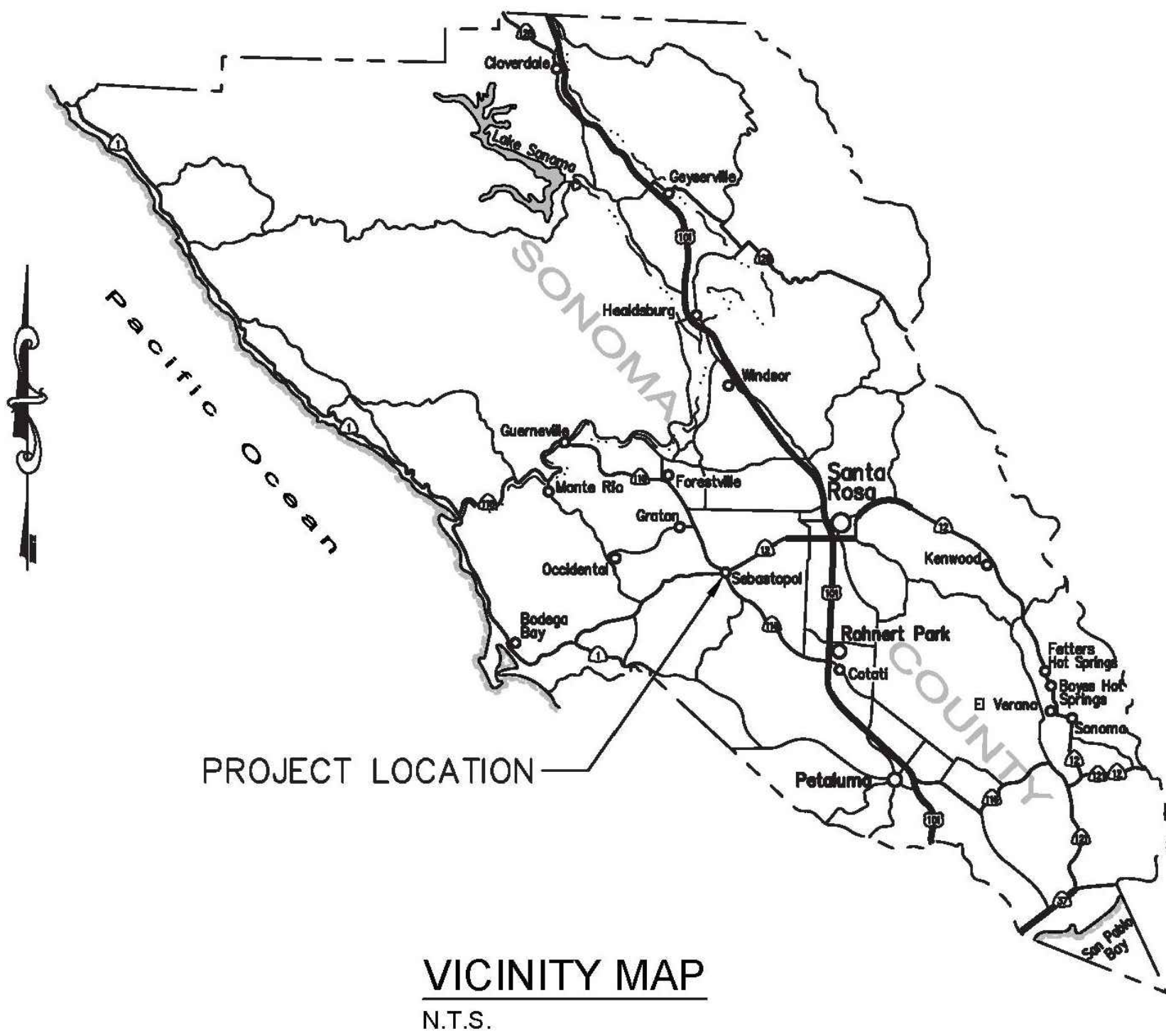


LAST REVISION DATE PLOTTED = 7/9/2020  
SEPT 2018 TIME PLOTTED = 2:40:48 PM



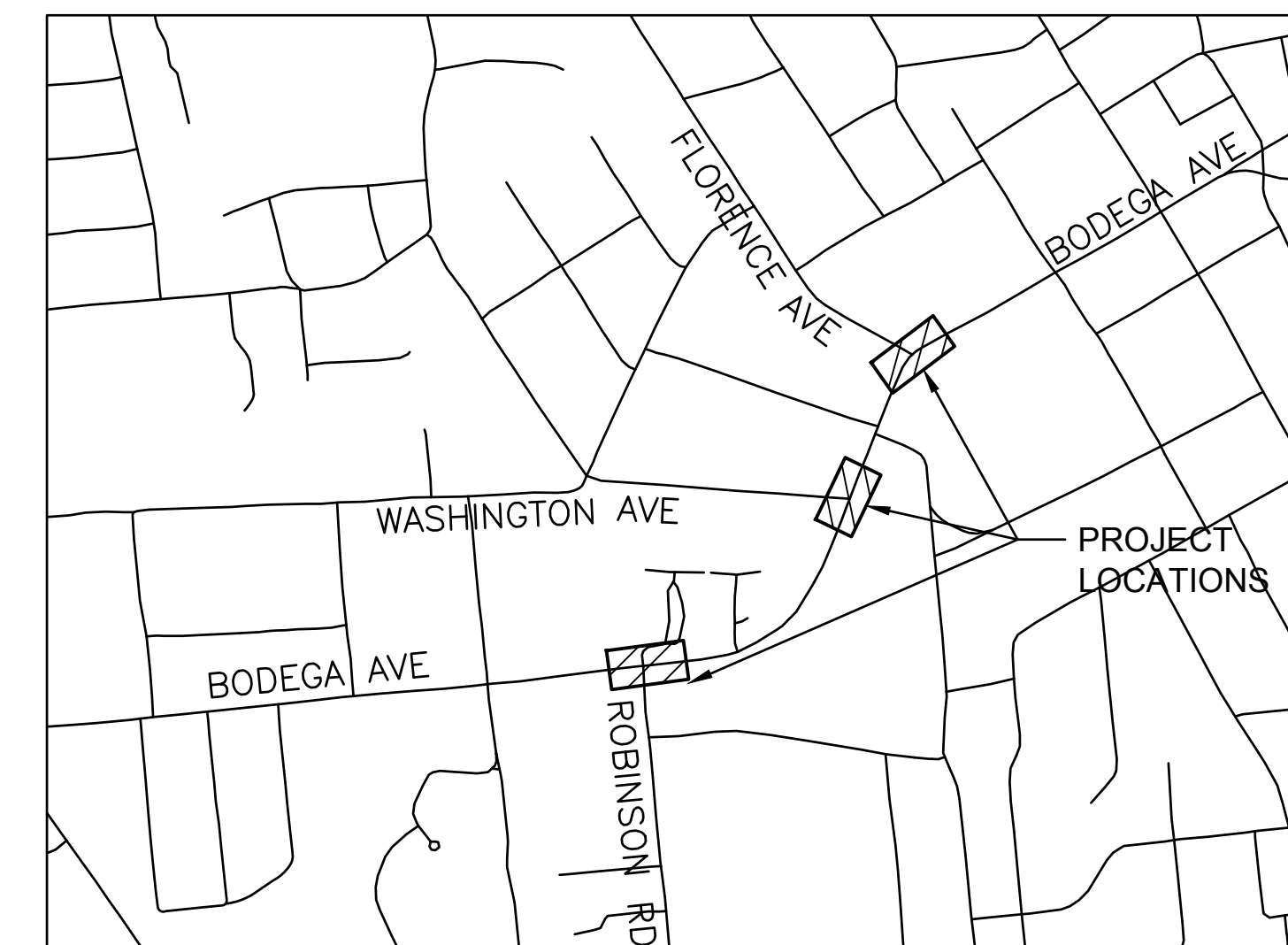
# PLANS FOR BODEGA AVENUE PEDESTRIAN IMPROVEMENTS AT ROBINSON ROAD, WASHINGTON AVENUE, & FLORENCE AVENUE

CITY OF SEBASTOPOL  
SONOMA COUNTY, CALIFORNIA  
CITY PROJECT No. 2018-01



### SHEET INDEX

| No. | Sheet Title                             |
|-----|---|
| 1   | TITLE SHEET                             |
| 2   | GENERAL NOTES & PAWB SPECIAL PROVISIONS |
| 3   | CURB RAMP AND MEDIAN NOTES              |
| 4   | ROBINSON ELECTRICAL & STRIPING PLAN     |
| 5   | WASHINGTON ELECTRICAL & STRIPING PLAN   |
| 6   | WASHINGTON MEDIAN PLAN                  |
| 7   | FLORENCE ELECTRICAL & STRIPING PLAN     |
| 8   | FLORENCE CURB RAMP IMPROVEMENTS PLAN    |



DESIGNED BY: SW  
CHECKED BY: SF

DRAWN BY: CN  
DATE: 6/25/2018

REGISTERED PROFESSIONAL ENGINEER  
STEPHEN J. WEBERGER  
0043159  
STATE OF CALIFORNIA  
CIVIL

STEPHEN J. WEBERGER, P.E. NO. 43159

Bodega Avenue  
Pedestrian Improvements Project  
Title Sheet  
Sebastopol, California

Jun 22, 2018 - 10:55am

|                           |                               |                 |                |      |          |    |                   |
|---------------------------|-------------------------------|-----------------|----------------|------|----------|----|-------------------|
| <b>CITY OF SEBASTOPOL</b> | <b>PROJECT REPRESENTATIVE</b> |                 |                | Date | Revision | By | SCALE<br>N/A      |
|                           | AGENCY                        | REPRESENTATIVES | PHONE          |      |          |    | DATE<br>JUNE 2018 |
|                           | ENGINEERING MANAGER           | HENRY MIKUS     | (707) 823-2151 |      |          |    | JOB NO.<br>SEB054 |
|                           | PUBLIC WORKS DIRECTOR         | DANTE DELPRETE  | (707) 823-2151 |      |          |    | DRAWING NUMBER    |
|                           | CITY ENGINEER                 | JOSEPH GAFFNEY  | (707) 849-3955 |      |          |    | 1 OF 8            |
| PROJECT ENGINEER          | W-TRANS                       | (707) 542-9500  |                |      |          |    |                   |
| USA NORTH                 | N/A                           | (800) 227-2600  |                |      |          |    |                   |

APPROVED FOR CONSTRUCTION: \_\_\_\_\_ DATE: \_\_\_\_\_





**GENERAL NOTES: (APPLIES TO ALL SHEETS)**

- ALL MATERIAL, WORKMANSHIP AND CONSTRUCTION SHALL CONFORM TO THE CITY OF SEBASTOPOL STANDARD SPECIFICATIONS AND STANDARD PLANS AND THE STATE OF CALIFORNIA D.O.T. (CALTRANS) STANDARD PLANS, 2015 EDITION, AND REVISED STANDARDS SPECIFICATIONS, 2015 EDITION AND 2017 REVISIONS.
- CONTRACTOR SHALL OBTAIN REQUIRED PERMITS FROM THE CITY OF SEBASTOPOL AND PAY ALL FEES PRIOR TO COMMENCEMENT OF ANY WORK.
- CONTRACTOR SHALL GIVE THE CITY OF SEBASTOPOL PUBLIC WORKS DEPARTMENT 48 HOURS NOTICE BEFORE STARTING WORK. CALL REYNA RAMIREZ AT (707) 823- 2151 OR VISIT 714 JOHNSON STREET, FOR INSPECTION SERVICES.
- A PRE CONSTRUCTION MEETING IS REQUIRED PRIOR TO BEGINNING OF WORK. CONTACT ENGINEERING MANAGER OR DIRECTOR OF PUBLIC WORKS TO SCHEDULE SUCH MEETING. CALL (707) 823-2151.
- WORK HOURS ARE LIMITED TO MONDAY THROUGH FRIDAY, 7:00 AM. TO 6:00 P.M. INSPECTION WILL BE AVAILABLE MONDAY THROUGH FRIDAY FROM 8:00 AM. TO 4:30 P.M. CONTRACTORS SHALL SCHEDULE INSPECTIONS 48 HOURS IN ADVANCE BY CALLING (707) 823-2151.
- ANY DISCREPANCY DISCOVERED BY CONTRACTOR IN THESE PLANS OR ANY FIELD CONDITIONS DISCOVERED BY CONTRACTOR THAT MAY DELAY OR OBSTRUCT THE PROPER COMPLETION OF THE WORK PER THESE PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEERING MANAGER OR DIRECTOR OF PUBLIC WORKS IMMEDIATELY UPON DISCOVERY. NOTIFICATION SHALL BE IN WRITING.
- ITEMS SPECIFIED ON THE STANDARD PLANS ARE APPROVED FOR USE BY THE CITY OF SEBASTOPOL. ALL SUBSTITUTES OR ALTERATIONS SHALL BE SUBMITTED TO THE CITY OF SEBASTOPOL FOR REVIEW AND APPROVAL PRIOR TO USE.
- DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROLLING NOISE, ODORS, DUST AND DEBRIS TO MINIMIZE IMPACTS ON SURROUNDING PROPERTIES AND ROADWAYS. CONTRACTOR SHALL BE RESPONSIBLE TO ASSURE THAT ALL CONSTRUCTION EQUIPMENT IS EQUIPPED WITH MANUFACTURERS APPROVED MUFFLER'S AND BAFFLES. FAILURE TO COMPLY MAY RESULT IN THE ISSUANCE OF A STOP WORK ORDER.
- IN THE EVENT THAT ARCHEOLOGICAL SITE INDICATORS (CHIPPED CHERT, OBSIDIAN TOOLS, WASTE FLAKES, GRINDING IMPLEMENTS, DARKENED SOIL CONTAINING BONE FRAGMENTS AND SHELLFISH REMAINS, OR CERAMICS, GLASS OR METAL FRAGMENTS ARE UNCOVERED. THE ENGINEERING MANAGER OR DIRECTOR OF PUBLIC WORKS SHALL BE CONTACTED IMMEDIATELY. ALL GROUND DISTURBING WORK SHALL CEASE IN THE VICINITY OF ANY DISCOVERY UNTIL AN ARCHEOLOGIST COMPLETES AN EVALUATION OF SIGNIFICANCE.
- IF HAZARDOUS MATERIALS ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL HALT CONSTRUCTION IMMEDIATELY, NOTIFY THE CITY, AND IMPLEMENT REMEDIATION AS DIRECTED BY THE CITY OR ITS AGENTS IN ACCORDANCE WITH ANY REQUIREMENTS OF THE SONOMA COUNTY ENVIRONMENTAL HEALTH DEPARTMENT AND THE NORTH COAST REGIONAL WATER QUALITY CONTROL BOARD.
- THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN TRAFFIC FLOW ON AFFECTED ROADWAYS DURING NON-WORKING HOURS, AND TO MINIMIZE TRAFFIC RESTRICTION DURING CONSTRUCTION. NO EXISTING STREET SHALL BE ALLOWED TO BE COMPLETELY CLOSED WITHOUT THE EXPRESSED WRITTEN PERMISSION OF THE DIRECTOR OF PUBLIC WORKS. THE CONTRACTOR SHALL BE REQUIRED TO FOLLOW TRAFFIC SAFETY MEASURES IN ACCORDANCE WITH THE CALTRANS "MANUAL OF TRAFFIC SAFETY CONTROLS FOR CONSTRUCTION AND MAINTENANCE WORK ZONES." THE CITY'S EMERGENCY SERVICE PROVIDERS SHALL BE NOTIFIED OF PROPOSED CONSTRUCTION SCHEDULED BY THE CONTRACTOR(S). THE CONTRACTOR(S) SHALL NOTIFY EMERGENCY SERVICE PROVIDERS IN WRITING AT LEAST 24 HOURS IN ADVANCE OF ITS PROPOSED SCHEDULE OF WORK.
- LIST OF AGENCIES TO BE CONTACTED PRIOR TO TRAFFIC DISRUPTION SHALL INCLUDE BUT NOT BE LIMITED TO: SEBASTOPOL UNIFIED SCHOOLS, POST OFFICE, SOLID WASTE HAULER, SEBASTOPOL POLICE DEPARTMENT, FIRE DEPARTMENT, AMBULANCE SERVICE.
- ALL EXISTING OR PROPOSED OVERHEAD AND UNDERGROUND UTILITIES SHALL BE PROTECTED THROUGHOUT THE CONSTRUCTION OF THE PROJECT IMPROVEMENTS.
- CONTRACTOR SHALL SUBMIT ANY CHANGES TO THE TRAFFIC CONTROL PLAN FOR REVIEW AND APPROVAL BY THE ENGINEERING MANAGER OR DIRECTOR OF PUBLIC WORKS NOT LESS THAN 10 DAYS PRIOR TO START OF CONSTRUCTION.

**PAWB SPECIAL PROVISIONS: (APPLIES TO SHEETS 4, 5, & 7)**

PERMITS: THE CONTRACTOR SHALL OBTAIN A PERMIT FOR CONSTRUCTION WORK FROM THE CITY OF SEBASTOPOL PRIOR TO STARTING WORK IN THE PUBLIC STREET RIGHT-OF-WAY.

SIGNS: THIS WORK SHALL CONSIST OF INSTALLATION OF ROADSIDE SIGNS AS SHOWN ON THE PLANS, WHERE DIRECTED BY THE ENGINEER, AND SHALL CONFORM TO THE REQUIREMENTS OF THE CALTRANS STANDARD PLANS AND SPECIFICATIONS DATED 2015 AND THE CALIFORNIA MUTCD DATED 2014.

STRIPING: THIS WORK SHALL CONSIST OF REMOVAL AND INSTALLATION OF PAINT AT THE LOCATIONS SHOWN ON THE PLANS AND SHALL CONFORM TO THE APPLICABLE CITY CONSTRUCTION STANDARDS AND THE 2015 CALTRANS STANDARD PLANS.

ELECTRICAL: THIS WORK SHALL CONSIST OF INSTALLING A PEDESTRIAN ACTIVATED WARNING BEACON (PAWB) LED LIGHT ASSEMBLY ON BODEGA AVENUE AT THE LOCATIONS SHOWN ON THE PLANS AND CONFORMING IN GENERAL WITH THE CALTRANS STANDARD PLANS AND SPECIFICATIONS DATED 2015. PAWB SHALL BE TAPCO OR APPROVED EQUAL CONFORMING TO THE FOLLOWING REQUIREMENTS. PAWB SHALL BE POWERED BY A SOLAR-ASSISTED BATTERY AND SHALL UTILIZE WIRELESS COMMUNICATION. PAWB SHALL BE PEDESTRIAN-ACTIVATED BY PUSHBUTTON.

- PAWB SHALL BE IN CONFORMANCE WITH ALL APPLICABLE CA MUTCD STANDARDS.**
  - EACH PAWB ASSEMBLY WILL HAVE TWO (2) BEACONS MOUNTED BACK-TO-BACK, FACING DUAL DIRECTIONS FOR A TOTAL OF FOUR (4) BEACONS PER POLE, AS NOTED ON THE PLANS.
  - EACH PAWB ASSEMBLY SHALL HOUSE TWO (2) FLASHING YELLOW BEACONS, EACH WITH AN LED-ARRAY BASED LIGHT SOURCE. THE LED-BASED PULSING LIGHT ARRAYS SHALL BE DESIGNED, LOCATED AND OPERATED IN ACCORDANCE WITH THE DETAILED REQUIREMENTS AS SPECIFIED ON THE PLANS. ACTIVE VEHICLE INDICATIONS SHALL BE VISIBLE AT DISTANCES OVER 1000 FEET DURING THE DAY AND OVER 1 MILE AT NIGHT.
  - EACH OF THE TWO YELLOW VEHICLE INDICATIONS OF A PAWB SHALL HAVE 70 TO 80 PERIODS OF FLASHING PER MINUTE AND SHALL HAVE ALTERNATING, BUT APPROXIMATELY EQUAL, PERIODS OF RAPID FLASHING LIGHT EMISSIONS AND DARK OPERATION.
  - BEACONS SHALL BE AIMED AT THE APPROACHING DRIVERS EYE WHEN 250 FEET IN ADVANCE OF THE CROSSWALK.
- FUNCTIONAL REQUIREMENTS**
  - EACH PAWB SHALL OPERATE ON SOLAR BATTERY POWER.
  - UPON ACTIVATION BY ADA-COMPLIANT PUSHBUTTON, A 900 MHZ TRANSCIEVER RADIO USING SPREAD SPECTRUM RADIO FREQUENCY TO MINIMIZE RF INTERFERENCE SHALL WIRELESSLY ACTIVATE ALL INTEGRAL INDICATIONS. WHEN ACTIVATED, THE TWO YELLOW INDICATIONS IN EACH PAWB SHALL FLASH IN AN ALTERNATING "WIG-WAG" FLASHING SEQUENCE (LEFT INDICATION ON, THEN RIGHT INDICATION ON).
  - THE LIGHT INTENSITY OF THE VEHICLE INDICATIONS SHALL MEET THE MINIMUM SPECIFICATIONS OF SOCIETY OF AUTOMOTIVE ENGINEERS (SAE) STANDARD J595 (DIRECTIONAL FLASHING OPTICAL WARNING DEVICES FOR AUTHORIZED EMERGENCY, MAINTENANCE, AND SERVICE VEHICLES) DATED NOVEMBER 2008. MANUFACTURER COMPLIANCE SHALL BE PROVIDED UPON REQUEST.
  - WHEN ACTIVATED, ALL INDICATIONS ASSOCIATED WITH A GIVEN CROSSWALK (INCLUDING THOSE WITH AN ADVANCE CROSSING SIGN, IF USED) SHALL SIMULTANEOUSLY COMMENCE OPERATION OF THEIR ALTERNATING RAPID FLASHING WITHIN 120MSEC, AND SHALL CEASE OPERATION AT A PREDETERMINED TIME AFTER THE PEDESTRIAN ACTUATION.
  - THE DURATION OF THE FLASH CYCLE SHALL BE PROGRAMMABLE FROM 1 SECOND TO 24 HOURS, IN INCREMENTS OF SECONDS, MINUTES AND HOURS.
  - INDIVIDUAL COMPONENTS SHALL BE REPLACEABLE INDEPENDENTLY OF OTHER COMPONENTS, EQUIPPED WITH APPROVED TERMINAL STRIPS OR WIRE-END MOLDED CONNECTORS.
- MATERIALS**

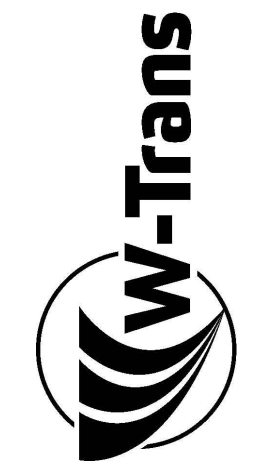
THE MANUFACTURER SHALL PROVIDE A COMPLETE SOLAR-POWERED PAWB ASSEMBLY, CONSISTING OF BUT NOT LIMITED TO THE LED BEACONS, SOLAR PANEL, CONTROLLER, BATTERY, MOUNTING HARDWARE AND ELECTRICAL COMPONENTS INCLUDING WIRING AND SOLID-STATE CIRCUIT BOARDS.

THE PAWB ASSEMBLY SHALL INCLUDE THE FOLLOWING ITEMS:

  - LIGHT ASSEMBLY HOUSING AND INDICATIONS**
    - THE LIGHT ASSEMBLY HOUSING SHALL BE CONSTRUCTED OF DURABLE, CORROSION-RESISTANT POWDER-COATED ALUMINUM WITH STAINLESS STEEL FASTENERS.
    - ENCLOSED COMPONENTS SHALL BE MODULAR IN DESIGN WHEREBY ANY COMPONENT CAN BE EASILY REPLACED USING COMMON HAND TOOLS, WITHOUT HAVING TO REMOVE THE HOUSING FROM THE POLE.
    - ALL MOUNTING HARDWARE REQUIRED FOR MOUNTING THE LIGHT ASSEMBLY HOUSING SHALL BE PROVIDED AND UNIVERSAL TO MULTIPLE POLES
    - EACH OF THE TWO VEHICLE PAWB LED INDICATIONS SHALL BE 12" IN DIAMETER.
    - MINIMUM OUTPUT OF 600,000 MCD
  - CONTROLLER**
    - THE CONTROLLER SHALL BE TAPCO, OR APPROVED EQUAL.
    - THE CONTROLLER SHALL BE HOUSED IN A NEMA RATED ANODIZED ALUMINUM ENCLOSURE, INTENDED FOR INDOOR OR OUTDOOR USE, PRIMARILY TO PROVIDE PROTECTION AGAINST CORROSION, WINDBLOWN DUST AND RAIN, SPLASHING WATER, HOSE-DIRECTED WATER, AND DAMAGE FROM ICE FORMATION.

- THE CONTROLLER SHALL BE, IN THE EVENT OF FAILURE, REPLACEABLE INDEPENDENTLY OF OTHER COMPONENTS.
- ENCLOSURE SHALL BE LOCKABLE UTILIZING STANDARD CORBIN KEY.
- BATTERY**
  - THE BATTERY SHALL BE A 12 VDC ABSORBED GLASS MAT (AGM) SEALED LEAD ACID, MAINTENANCE-FREE BATTERY.
  - THE BATTERY SHALL BE RATED AT 48AH MINIMUM AND SHALL CONFORM TO BATTERY COUNCIL INTERNATIONAL (BCI) SPECIFICATIONS.
  - THE BATTERY SHALL BE REPLACEABLE INDEPENDENTLY OF OTHER COMPONENTS.
  - THE BATTERY SHALL HAVE A MINIMUM OPERATING TEMPERATURE RANGE OF -76° TO 140°F (-60° TO 60°C).
- WIRELESS TRANSCIEVER RADIO**
  - RADIO CONTROL SHALL BE SOLAR-POWERED, OPERATING ON A FCC-APPROVED 900MHZ FREQUENCY, HOPPING SPREAD SPECTRUM NETWORK WITH A NORMAL OPERATING RANGE OF 1000 FEET.
  - RADIOS SHALL PROVIDE WIRELESS COMMUNICATION BETWEEN THE ASSEMBLIES TO INTEGRATE THE PUSHBUTTON ACTIVATION OF INDICATIONS.
  - TO ENSURE ALL INTEGRAL INDICATIONS CONSISTENTLY FLASH IN UNISON, THE RADIO SHALL SYNCHRONIZE THE CONTROLLERS TO ACTIVATE THE INDICATIONS WITHIN 120 MSEC OF ONE OTHER AND REMAIN SYNCHRONIZED THROUGHOUT THE DURATION OF THE FLASHING CYCLE.
  - RADIO SYSTEMS SHALL OPERATE FROM 3.6 VDC TO 15 VDC
  - THE RADIO SHALL BE, IN THE UNLIKELY EVENT OF FAILURE, REPLACEABLE INDEPENDENTLY OF OTHER COMPONENTS.
  - THE RADIO SHALL HAVE A MINIMUM OPERATING TEMPERATURE RANGE OF -30°F TO 165°F (-34.4° TO 73.8°C).
  - MAKE SURE NO WIRELESS CONFLICTS EXIST BETWEEN RADIOS FOR THE THREE INTERSECTIONS AND THE RADIO AT BODEGA AVENUE/NELSON WAY.
- SOLAR PANEL**
  - THE SOLAR PANEL SHALL PROVIDE 55 WATTS (MIN.) AT PEAK TOTAL OUTPUT.
  - THE SOLAR PANEL SHALL BE AFFIXED TO AN ALUMINUM PLATE AND BRACKET, ADJUSTABLE AT AN ANGLE OF 45°- 60° TO FACILITATE ADJUSTMENT FOR MAXIMUM SOLAR COLLECTION AND OPTIMAL BATTERY STRENGTH.
  - THE SOLAR PANEL ASSEMBLY (PANEL, PLATE AND BRACKET) SHALL BE MOUNTED ON A 360° ROTATABLE POLE CAP MOUNT, TO FACILITATE ADJUSTMENT FOR MAXIMUM SOLAR COLLECTION AND OPTIMAL BATTERY STRENGTH.
  - THE SOLAR PANEL SHALL HAVE A MINIMUM OPERATING TEMPERATURE RANGE OF -40° TO 185°F (-40° TO 85°C).
- SIGNS AND PLAQUES**
  - ALL SIGNS SHALL CONFORM TO CA MUTCD STANDARDS FOR RETROFLECTIVE SIGN PANELS.
  - ALL SIGN BLANKS AND PLAQUES SHALL BE FEDERALLY SPECIFIED .080 GAUGE, 5052 ALUMINUM.
  - UNLESS SPECIFIED OTHERWISE, SIGN SHEETING SHALL BE 3M™ DG3 DIAMOND GRADE CUBED OR EQUIVALENT PRISMATIC SHEETING.
  - CROSSING SIGNS SHALL BE LED EDGE LIT W11-2.
  - CROSSING PLAQUES W16-7P SHALL ALSO ACCOMPANY THE CROSSING SIGNS.
  - PEDESTRIAN PUSHBUTTON INSTRUCTION 9"x12" R10-25 SIGNS SHALL BE FURNISHED, TO BE MOUNTED ADJACENT TO OR INTEGRAL WITH EACH PEDESTRIAN PUSHBUTTON.
- BULLDOG PUSHBUTTON**
  - THE PUSH BUTTON SHALL BE CAPABLE OF CONTINUOUS OPERATION WITHIN A TEMPERATURE RANGE OF -30° TO 165°F (-34° TO 74°C).
  - THE PUSH BUTTON SHALL BE ADA COMPLIANT, AND SHALL OPERATE AS A NORMALLY OPEN (N/O) CIRCUIT.
  - SHALL BE POLARA BULLDOG MODEL OR APPROVED EQUAL.
  - PUSH BUTTON SIGNS SHALL BE R10-25.
- PEDESTAL BASE & POLE SHAFT**
  - SYSTEM WILL MOUNT ON STANDARD TYPE 1-B POLE PER THE CALTRANS STANDARD PLANS AND SPECIFICATIONS DATED 2015, AND PER THE PROJECT PLANS.

**W-Trans**  
490 Mendocino Avenue, Suite 201  
Santa Rosa, CA 95401  
(707) 542-9500 Fax (707) 542-9590



DESIGNED BY SW  
CHECKED BY SF  
DRAWN BY CN  
DATE 6/25/2018

REGISTERED PROFESSIONAL ENGINEER  
STEPHEN J. WEBBERGER, P.E. NO. 43159  
CIVIL ENGINEER  
0043159  
STATE OF CALIFORNIA

Bodega Avenue  
Pedestrian Improvements Project  
General Notes  
Sebastopol, California

| Date | Revision | By | SCALE             |
|------|----------|----|-------------------|
|      |          |    | N/A               |
|      |          |    | DATE<br>JUNE 2018 |
|      |          |    | JOB NO.<br>SEB054 |
|      |          |    | DRAWING NUMBER    |
|      |          |    | 2 OF 8            |

Jun 22, 2018 - 10:55am



**GENERAL NOTES: (APPLIES TO SHEETS 4, 5, & 7)**

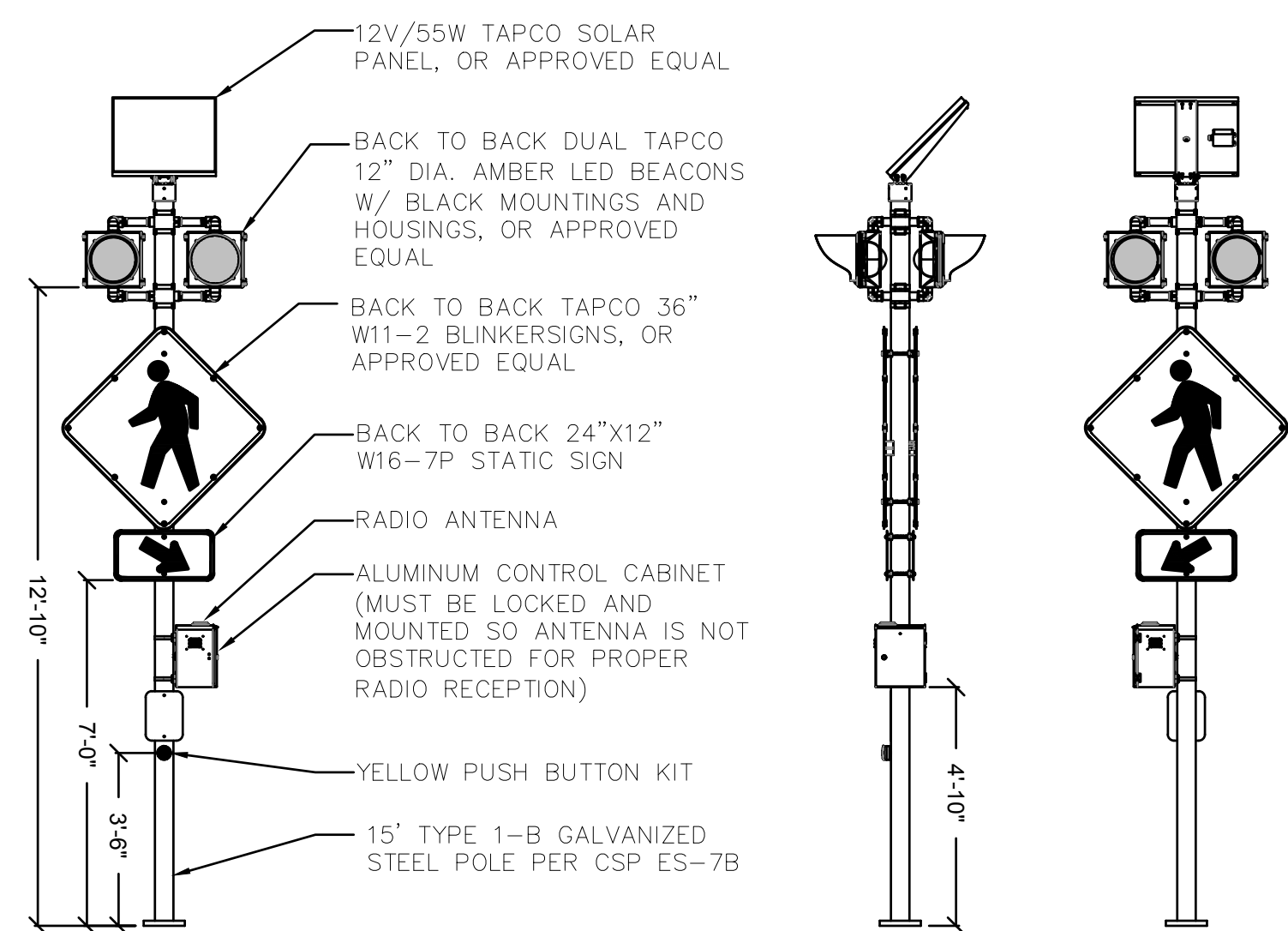
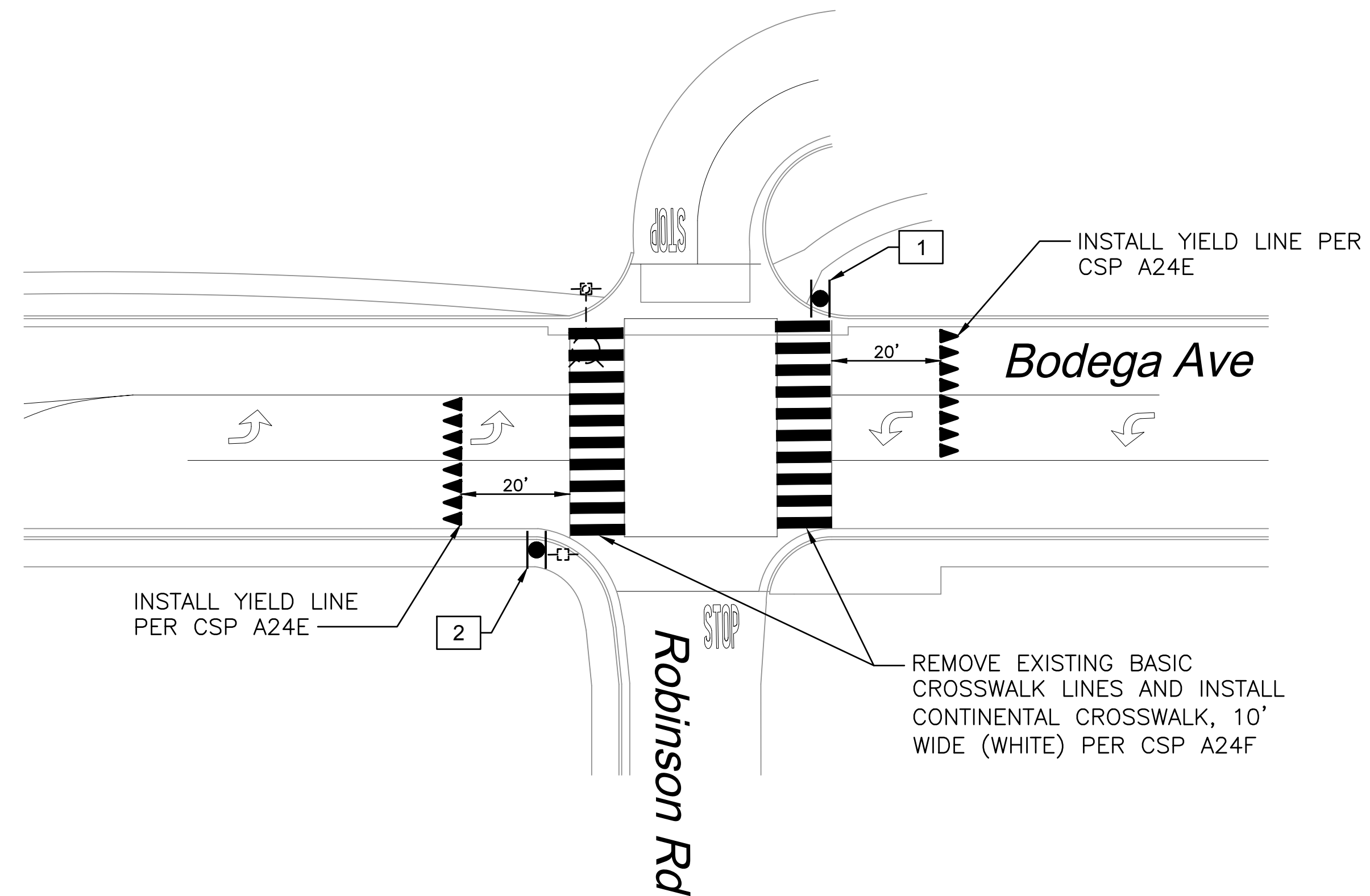
1. WORK SHOWN ON THIS SHEET IS ACCURATE FOR PEDESTRIAN ACTIVATED WARNING BEACON (PAWB) AND STRIPING WORK ONLY.
2. CONTRACTOR SHALL CALL U.S.A. AT 811 OR 1-800-642-2444 AND HAVE UTILITIES MARKED AT LEAST TWO WORKING DAYS BEFORE BEGINNING ANY WORK.
3. CONTRACTOR SHALL AVOID DAMAGING ALL EXISTING FACILITIES, SHOWN OR NOT SHOWN ON THESE PLANS. FACILITIES SHALL BE REPAIRED BY THE CONTRACTOR AT HIS/HER EXPENSE.
4. CONTRACTOR SHALL MARK POLE LOCATIONS AND HAVE THEM VERIFIED BY THE CITY TRAFFIC ENGINEER PRIOR TO INSTALLATION.
5. CONTRACTOR SHALL VERIFY OVERHEAD CLEARANCE WITH UTILITY COMPANIES PRIOR TO CONSTRUCTION.
6. CONTRACTOR SHALL PROVIDE ALL EQUIPMENT NECESSARY FOR COMPLETE SOLAR POWERED PAWB OPERATING SYSTEM.
7. THE PUSH BUTTON SHALL BE THE AUDIBLE TYPE CONFORMING TO CALTRANS ADA REQUIREMENTS, POLARA BULLDOG MODEL OR APPROVED EQUAL.
8. PAWB SHALL BE THE TAPCO BLINKERBEACON OR APPROVED EQUAL. PAWB SYSTEM SHALL OPERATE ON SOLAR POWER WITH BATTERY.
9. LIGHTED W11-2 PEDESTRIAN CROSSING SIGNS SHALL BE THE TAPCO BLINKERSIGN 36"X36" OR APPROVED EQUAL. SYSTEM SHALL OPERATE ON SOLAR POWER WITH BATTERY.
10. CONTROLLER SHALL BE TAPCO OR APPROVED EQUAL AND OPERATE ON SOLAR POWER WITH BATTERY.
11. ALL PAVEMENT MARKINGS, LEGENDS, AND DETAILS ARE TO BE PAINT AND CONFORM TO THE 2015 CALTRANS STANDARD PLANS (CSP).
12. CONTRACTOR SHALL CONFORM NEW STRIPING DETAILS AT THE PROJECT LIMITS AS DIRECTED BY THE ENGINEER.

**PROJECT NOTES: (THIS SHEET ONLY)**

1. INSTALL PAWB ASSEMBLY, WITH CONTROLLER, SOLAR PANEL, SIGNS AND BEACONS ON BOTH SIDES OF 15' TALL TYPE 1-B POLE. INSTALL SINGLE PBA ON WEST SIDE OF POLE ONLY. SEE DETAIL A, THIS SHEET.
2. REMOVE EXISTING BEACON AND POLE AND INSTALL PAWB ASSEMBLY WITH CONTROLLER, SOLAR PANEL, SIGNS AND BEACONS ON BOTH SIDES OF 15' TALL TYPE 1-B POLE. INSTALL SINGLE PBA ON EAST SIDE OF POLE ONLY. SEE DETAIL A, THIS SHEET.

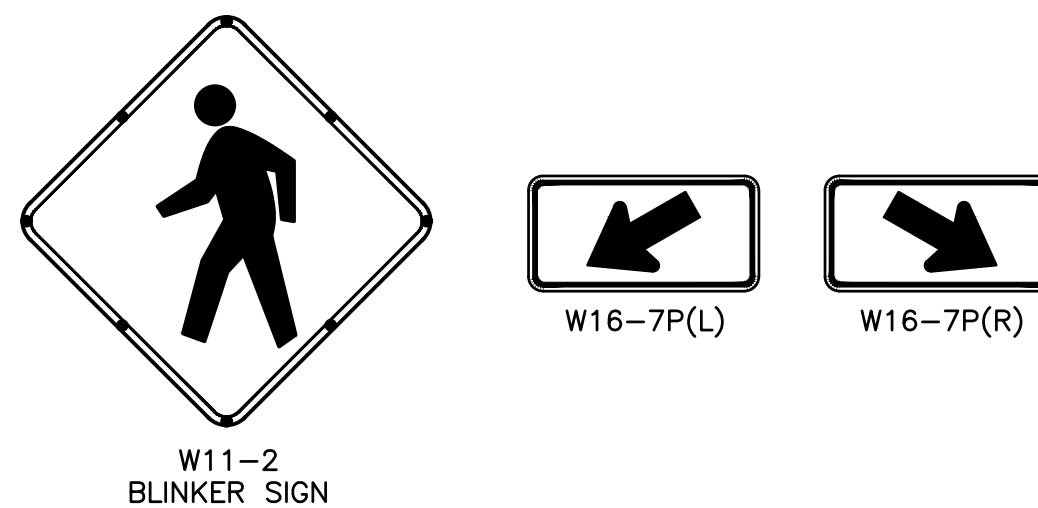
| STRIPING QUANTITIES |          |
|---------------------|----------|
| DETAIL              | QUANTITY |
| INSTALL WHITE PAINT | 448 S.F. |
| REMOVE WHITE PAINT  | 155 S.F. |

| SIGNING QUANTITIES |          |
|--------------------|----------|
| SIGN               | QUANTITY |
| W11-2 (BLINKER)    | 4        |
| W16-7P(R)          | 2        |
| W16-7P(L)          | 2        |

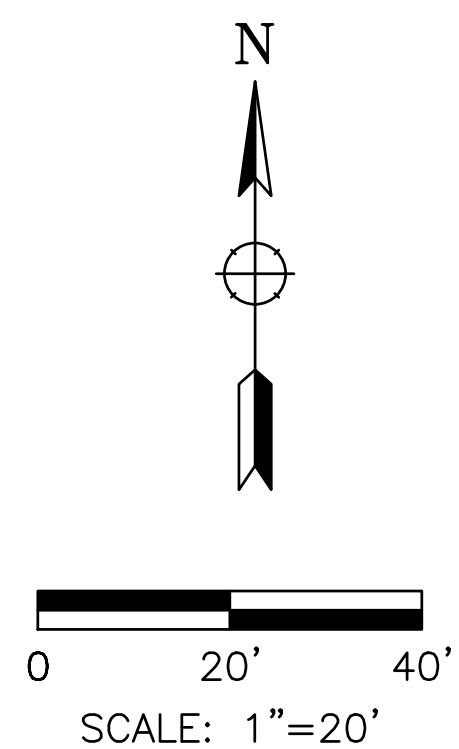
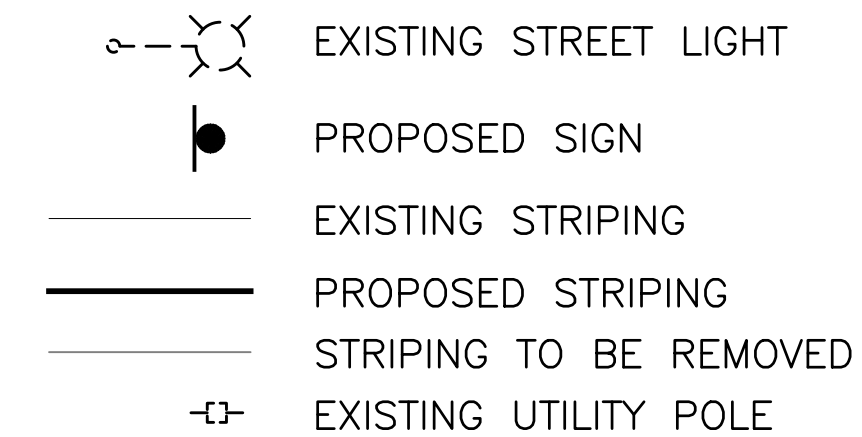


**DETAIL A: PEDESTRIAN ACTIVATED WARNING BEACON (PAWB) ASSEMBLY WITH CONTROLLER ON TYPE 1-B**  
NOT TO SCALE

**SIGN LEGEND**



**LEGEND**



**UNDERGROUND SERVICE ALERT**

**DIGALERT** DIAL TOLL FREE 1-800-227-2600 OR 811 AT LEAST TWO WORKING DAYS BEFORE DIGGING

**811**

| Date | Revision | By |
|------|----------|----|
|      |          |    |
|      |          |    |
|      |          |    |
|      |          |    |
|      |          |    |

SCALE: 1"=20'

DATE: JUNE 2018

JOB NO.: SEB054

DRAWING NUMBER: 4 OF 8

**W-Trans**  
490 Mendocino Avenue, Suite 201  
Santa Rosa, CA 95401  
(707) 542-9500 Fax (707) 542-9590

DESIGNED BY: SW  
CHECKED BY: SF

DRAWN BY: CN  
DATE: 6/25/2018

REGISTERED PROFESSIONAL ENGINEER  
STEPHEN J. WEBERGER  
CIVIL  
STATE OF CALIFORNIA  
C043159

Bodega Avenue  
Pedestrian Improvements Project  
Electrical & Striping Plan  
Robinson Road

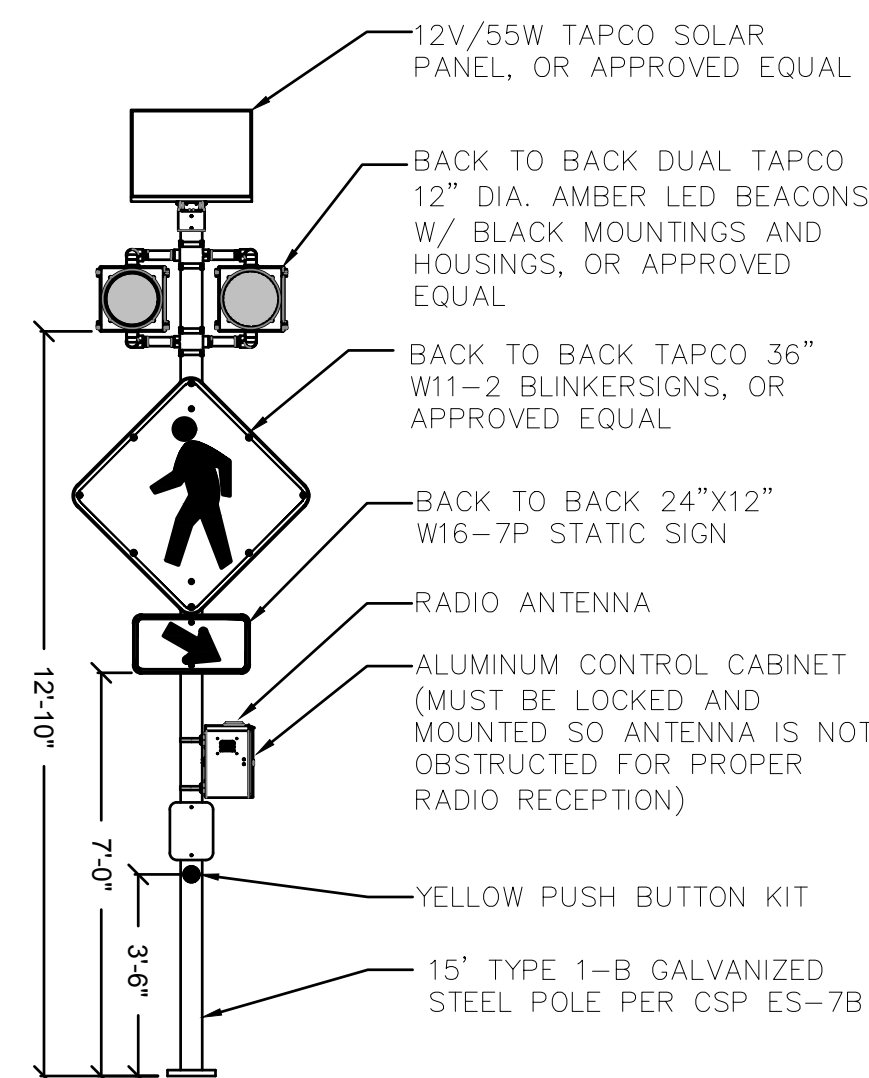
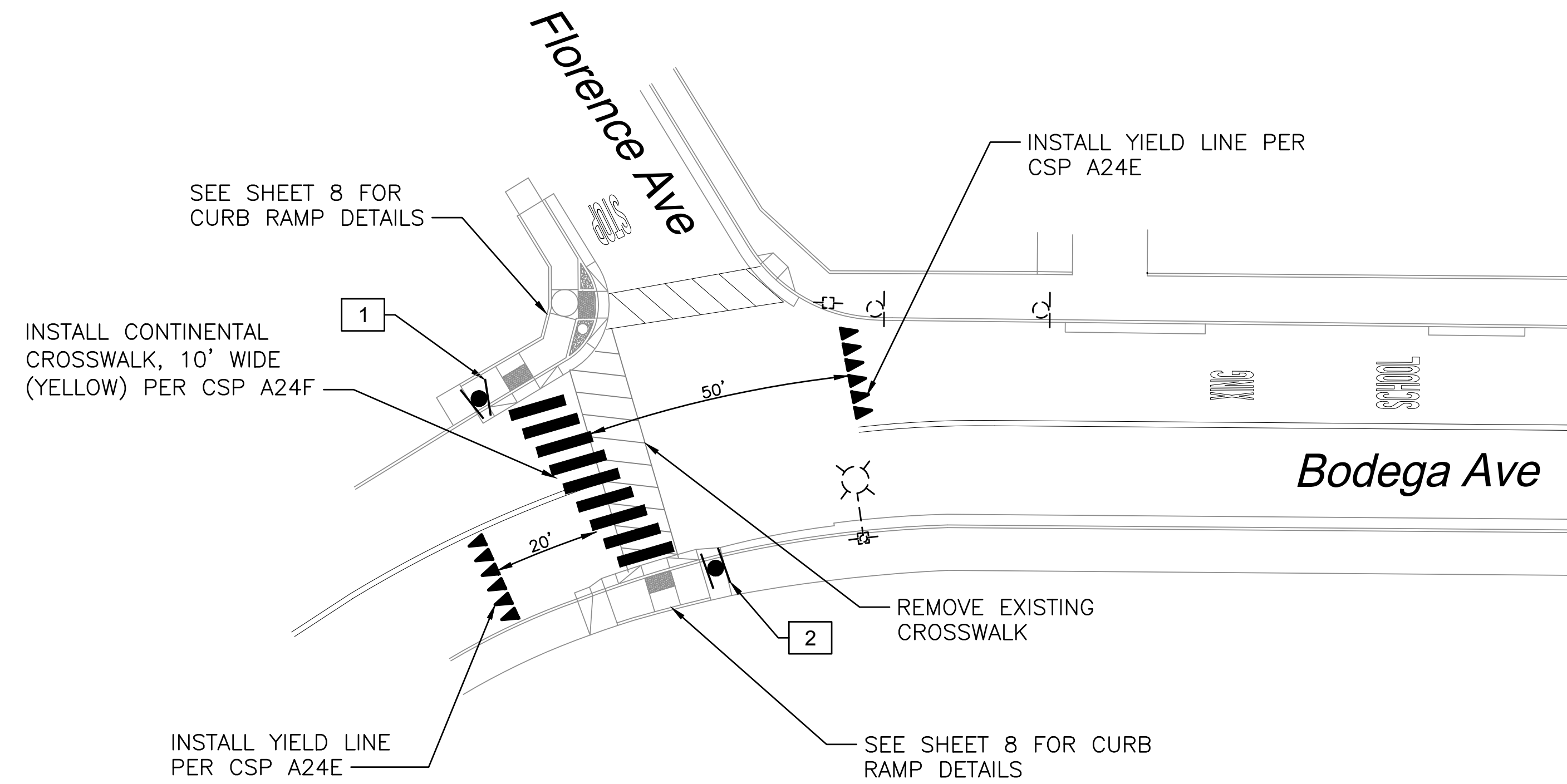
Jun 22, 2018 - 10:55am

**PROJECT NOTES: (THIS SHEET ONLY)**

- 1 INSTALL PAWB ASSEMBLY WITH CONTROLLER, SOLAR PANEL, SIGNS, AND BEACONS ON BOTH SIDES OF 15' TALL TYPE 1-B POLE. INSTALL SINGLE PBA ON NORTHEAST SIDE OF POLE ONLY. SEE DETAIL A, THIS SHEET.
- 2 INSTALL PAWB ASSEMBLY WITH CONTROLLER, SOLAR PANEL, SIGNS, AND BEACONS ON BOTH SIDES OF 15' TALL TYPE 1-B POLE. INSTALL SINGLE PBA ON SOUTHWEST SIDE OF POLE ONLY. SEE DETAIL A, THIS SHEET.

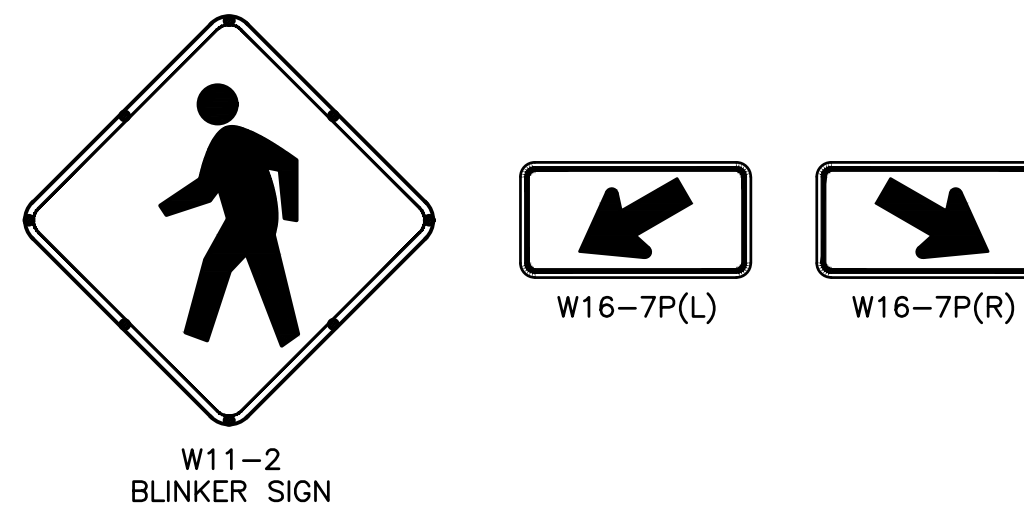
| STRIPING QUANTITIES  |          |
|----------------------|----------|
| DETAIL               | QUANTITY |
| INSTALL WHITE PAINT  | 36 S.F.  |
| INSTALL YELLOW PAINT | 180 S.F. |
| REMOVE YELLOW PAINT  | 205 S.F. |

| SIGNING QUANTITIES |          |
|--------------------|----------|
| SIGN               | QUANTITY |
| W11-2 (BLINKER)    | 4        |
| W16-7P(R)          | 2        |
| W16-7P(L)          | 2        |

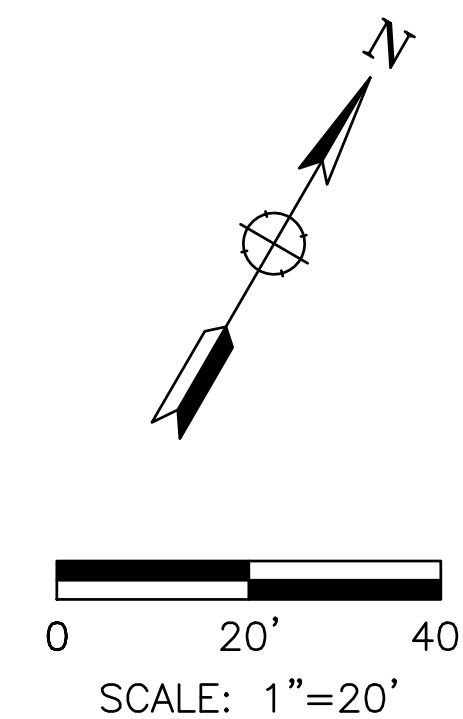
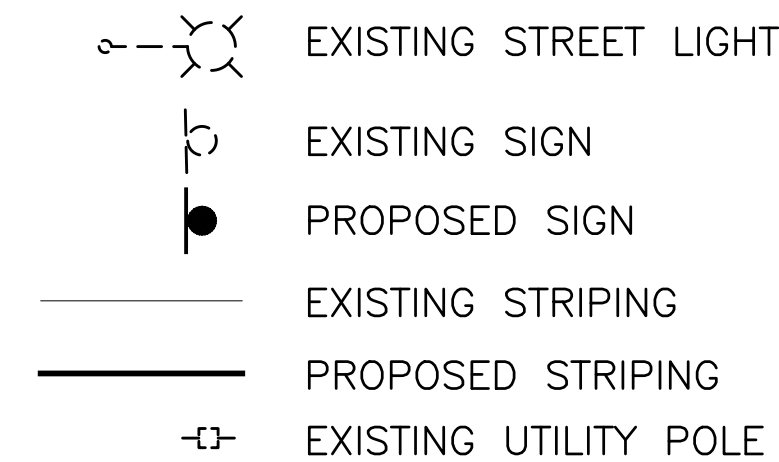


**DETAIL A: PEDESTRIAN ACTIVATED WARNING BEACON (PAWB) ASSEMBLY WITH CONTROLLER ON TYPE 1-B**  
NOT TO SCALE

**SIGN LEGEND**



**LEGEND**



**UNDERGROUND SERVICE ALERT**

**DIGALERT** DIAL TOLL FREE 1-800-227-2600 OR 811 AT LEAST TWO WORKING DAYS BEFORE DIGGING **811**

| Date | Revision | By | SCALE 1"=20'   |
|------|----------|----|----------------|
|      |          |    | DATE JUNE 2018 |
|      |          |    | JOB NO. SEB054 |
|      |          |    | DRAWING NUMBER |
|      |          |    | 7 OF 8         |

**W-Trans**  
490 Mendocino Avenue, Suite 201  
Santa Rosa, CA 95401  
(707) 542-9500 Fax (707) 542-9590

DESIGNED BY SW  
CHECKED BY SF  
DRAWN BY CN  
DATE 6/25/2018

REGISTERED PROFESSIONAL ENGINEER  
STEPHEN J. WEBERGER  
CIVIL  
STATE OF CALIFORNIA  
C043159

Bodega Avenue  
Pedestrian Improvements Project  
Electrical & Striping Plan  
Florence Avenue

Jun 22, 2018 - 10:55am



**City Council**

Mayor Una Glass  
Vice Mayor Sarah Glade Gurney  
Diana Gardner Rich  
Neysa Hinton  
Patrick Slayter



**Agenda Item Number 8**

**City Manager**

Larry McLaughlin

lmclaughlin@cityofsebastopol.org

**Assistant City Manager/City Clerk, MMC**

Mary Gourley

mgourley@cityofsebastopol.org

**City of Sebastopol**

May 4, 2021

Suzanne Wilford Smith, Executive Director  
Sonoma County Transportation Authority  
411 King St.  
Santa Rosa, CA 95404

Subject: City of Sebastopol OBAG 2/Quick Strike Grant Application – Letter Urging Support for the SR 116 and Bodega Avenue Pedestrian Access and Mobility Improvements

Dear Ms. Smith:

On behalf of the City of Sebastopol City Council, I am urging you to support the City of Sebastopol’s Quick Strike grant application submitted to SCTA on February 19, 2021 as it moves forward for further consideration by MTC. Given the new round of funding being proposed by MTC for the Quick Strike Safe and Seamless Mobility program, the City is excited to hear that our project has another opportunity under this second round of funding.

We firmly believe our project meets the spirit of the Quick Strike program because it is a mobility improvement project that had been advertised and bid yet could not be constructed due to increased costs and reduced revenues brought on by the onset of the coronavirus pandemic. The project improves active transportation access and improves pedestrian safety within a regional hub for western Sonoma County and to the larger region through enhanced transit access. The addition of ADA ramps would eliminate obstacles for people with disabilities. The two Bodega Avenue crossing improvements emphasize enhancing comfort level for pedestrians while also providing safety benefits. These two intersections are the two remaining uncontrolled pedestrian crossings on the SR 12/Bodega Avenue corridor which have not received any pedestrian safety enhancements. As you know, this corridor is heavily impacted by regional east-west vehicle traffic and impacts the safety of Sebastopol residents. Furthermore, the project supports equity by accruing benefits to residents of the nearby *Community of Concern* where people are more likely to rely on walking for transportation.

Given our limited funding and staffing resources, the City of Sebastopol has endeavored to address active transportation safety on both City and Caltrans maintained routes which are impacted by regional vehicle through traffic. These activities have included many public outreach efforts over the years through a variety of projects and programs including:

- Street Smart Sebastopol
- Bike and Pedestrian Master Plan, 2011
- Pedestrian Crossings Safety Study for Bodega Avenue, 2016
- Sebastopol/West Sonoma County Active Transportation Improvements, June 2018
- Installation of a HAWK signal at Bodega/Nelson-Gold Ridge Farm, 2018
- SR 116 Bike Lanes, including pedestrian crossing enhancements, 2019

In 2018, *Sebastopol/West Sonoma County Active Transportation Improvements* community workshop included the Bodega Avenue corridor for pedestrian and bicycle safety and access improvements in West Sebastopol. The public outreach workshop for this project was well attended by 75 members of the public.

We are happy to hear that MTC staff is recommending additional funding for the Quick Strike Safe and Seamless Mobility program. As a small community with large volumes of regional traffic traveling through our city, providing safe passage for our pedestrian and bicycle community is a difficult challenge for us. We thank you for your help and look forward to continuing our regional alliance as we find ways to work together through local solutions.

Sincerely,

Una Glass  
Mayor  
City of Sebastopol



City Council  
Mayor Una Glass  
Vice Mayor Sarah Glade Gurney  
Diana Gardner Rich  
Neysa Hinton  
Patrick Slayter



**Agenda Item Number 8**

City Manager  
Larry McLaughlin  
lmclaughlin@cityofsebastopol.org  
Assistant City Manager/City Clerk, MMC  
Mary Gourley  
mgourley@cityofsebastopol.org

**City of Sebastopol**

April 6, 2021

Suzanne Wilford Smith, Executive Director  
Sonoma County Transportation Authority  
411 King St.  
Santa Rosa, CA 95404

Subject: City of Sebastopol OBAG 2/Quick Strike Grant Application – Letter of Support for the SR 116 and Bodega Avenue Pedestrian Access and Mobility Improvements

Dear Ms. Smith:

On behalf of the City of Sebastopol City Council, I am writing to ask for your support of the City of Sebastopol's Quick Strike grant application submitted to SCTA on February 19, 2021 as it moves forward for consideration by MTC.

We firmly believe our project meets the spirit of the Quick Strike program because it is a mobility improvement project that had been advertised and bid yet could not be constructed due to increased costs and reduced revenues brought on by the onset of the coronavirus pandemic. The project improves access within a regional hub for western Sonoma County and to the larger region through enhanced transit access. The addition of ADA ramps would eliminate obstacles for people with disabilities. The two Bodega Avenue crossing improvements emphasize enhancing comfort level for pedestrians while also providing safety benefits. Furthermore, the project supports equity by accruing benefits to residents of the nearby *Community of Concern* where people are more likely to rely on walking for transportation.

Our City Council has made financial commitments to providing the engineering resources needed and trust this shows our commitment to meeting our obligations to be able to successfully deliver federal-aid projects, such as this project.

We appreciate the difficulty you and your staff have in making decisions that affect each agency's ability to bring completed projects to their communities. We look forward to continuing to work with you and value our regional alliance.

Sincerely, `

A handwritten signature in black ink, appearing to read 'Una Glass', is written over a horizontal line.

Una Glass  
Mayor  
City of Sebastopol