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IMPROVEMENT PLANS FOR
CITY OF SEBASTOPOL
SONOMA COUNTY, CALIFORNIA
STATE ROUTE 116 & BODEGA AVE.
PEDESTRIAN IMPROVEMENTS
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

BODEGA AVE & FLORENCE AVE

-

CLEVELAND AVE & SR 116

26.33

BODEGA AVE & ROBINSON RD

-

N. MAIN ST & SR 116

26.50

WALLACE ST & SR 116

26.53

WALLACE ST & SR 116
PM 26.53

MAIN ST & SR 116
PM 26.50

HURLBUT AVE & SR 116
PM 25.46

CLEVELAND AVE & SR 116
PM 26.33

TO FORESTVILLE

TO SANTA ROSA

TO 101

SEBASTOPOL

NTS

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

measure M
Sales tax
at
Work

APPROVED BY
CITY ENGINEER

07/29/2022
DATE

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

PROJECT ENGINEER
REGISTERED CIVIL ENGINEER

07/29/2022
DATE

PLANS APPROVAL DATE

KASL CONSULTING ENGINEERS
7777 GREENBACK LN. STE. 104
CITRUS HEIGHTS, CA 95610

JOHN C. SCROGGS, P.E.

07/29/2022
DATE

REGISTERED PROFESSIONAL ENGINEER
JOHN C. SCROGGS
No. 26388
Exp. 3-31-24
CIVIL
STATE OF CALIFORNIA

STATE HWY 116 ADA SIDEWALK RAMPS

6840-02

LOCATION MAP

Dist

COUNTY

ROUTE

POST MILES
TOTAL PROJECT

SHEET
No.

TOTAL
SHEETS

04

SON

116

25.5/27.1

1

17

USERNAME = JS

DGN FILE = S:\6840-02 ADA Curb Ramp Upgrade\Plans\01-COVER-TITLE.dgn

RELATIVE BORDER SCALE
IS IN INCHES

0

1

2

3

DATE PLOTTED = 6/27/2022
TIME PLOTTED = 2:17:24 PM

x

x

x

x

x

				Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
				04	SON	116	25.5/27.1	2	17

GENERAL NOTES

1. 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.

2. CONTRACTOR SHALL OBTAIN REQUIRED PERMITS FROM ALL AGENCIES AND PAY ALL FEES PRIOR TO COMMENCEMENT OF ANY WORK.

3. 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.

4. 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.

5. 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.

6. 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.

7. 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.

8. 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.

9. 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.

10. 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.

11. 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.

12. 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.

13. ALL EXISTING OR PROPOSED OVERHEAD AND UNDERGROUND UTILITIES SHALL BE PROTECTED THROUGHOUT THE CONSTRUCTION OF THE PROJECT IMPROVEMENTS.

14. 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:

1. PRIOR TO COMMENCEMENT OF GRADING ACTIVITIES TO CHECK FOR INSTALLATION OF ADEQUATE TREE PROTECTION FENCING, WHERE APPROPRIATE.

2. COMPACTION AND PREPARATION OF EMBANKMENTS, EXCAVATIONS, AND SUBGRADE.

3. CONSTRUCTION OF FORMS FOR ALL CONCRETE STRUCTURES, INCLUDING CURBS, GUTTERS, CURB RAMPS AND SIDEWALKS

4. PLACING OF CONCRETE IN STRUCTURES, INCLUDING CURBS, GUTTERS, CURB RAMPS AND SIDEWALKS.

5. 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.

6. 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.

7. 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.

8. FINAL CLEAN UP.

GRADING NOTES

1. 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.

2. 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.

3. 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.

4. ALL TREE PROTECTION FENCING MUST BE INSTALLED AND INSPECTED PRIOR TO COMMENCEMENT OF GRADING OPERATIONS. FENCING SHALL BE MAINTAINED THROUGHOUT.

DUST CONTROL NOTES

1. 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.

2. CONSTRUCTION EQUIPMENT SHALL BE MAINTAINED IN PROPER WORKING ORDER AND SHALL NOT BE ALLOWED TO IDLE FOR PERIODS LONGER THAN 30 MINUTES.

3. 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:

A. ACTIVE CONSTRUCTION SITE SHALL BE WATERED AS NEEDED, PREFERABLE IN THE LATE MORNING AND WHEN WORK HAS CEASED FOR THE DAY.

B. STOCKPILES OF LOOSE MATERIAL SHALL BE COVERED AT ALL TIMES, EXCEPT WHEN THIS WOULD INTERFERE WITH IMMEDIATE CONSTRUCTION ACTIVITIES.

C. ALL CLEARING, GRADING, EARTH MOVING OR EXCAVATION ACTIVITIES SHALL CEASE WHEN THE AVERAGE WIND SPEED FOR ONE HOUR EXCEEDS 20 MILES PER HOUR (MPH).

D. THE AREA DISTURBED BY EXCAVATION OR GRADING SHALL BE KEPT TO THE MINIMUM REQUIRED TO IMPLEMENT THE PROJECT.

E. WHEN TRAVELING ON EXPOSED SOILS, CONSTRUCTION SITE VEHICLE SPEED SHALL BE LIMITED TO 15 MPH.

F. HAUL VEHICLES SHALL BE COVERED WHEN NOT ACTIVELY ENGAGED IN SITE CONSTRUCTION ACTIVITY.

G. STREETS SHALL BE SWEEP REGULARLY AND KEPT FREE OF DIRT AND DEBRIS.

4. 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

1. 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.

2. 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.

3. 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.

4. 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.

5. NO SOIL/MUD OR DEBRIS ALLOWED TO TRACK FROM SITE AT ANY TIME.

GENERAL UNDERGROUND NOTES

1. 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.

2. 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.

3. UNDERGROUND SERVICE ALERT: CALL TOLL FREE (800) 227-2600 AT LEAST 48 HOURS PRIOR TO EXCAVATION.

4. 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.

5. 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.

6. 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.

7. 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.

8. ALL UNDERGROUND IMPROVEMENTS SHALL BE INSTALLED AND APPROVED PRIOR TO PAVING.

9. 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.

10. RECORD DRAWINGS (AS BUILTS) ARE REQUIRED TO BE SUBMITTED BY THE CONTRACTOR AT THE END OF THE PROJECT.

SIGNING, STRIPING AND PAVEMENT MARKINGS

1. 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.

2. ALL LAYOUT WORK IS TO BE PERFORMED BY THE CONTRACTOR AND SHALL BE FIELD APPROVED BY A CITY INSPECTOR BEFORE THE ACTUAL WORK BEGINS.

3. 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.

4. 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.

5. 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.

6. 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.

7. 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.

8. THERMOPLASTIC MATERIAL SHALL BE APPLIED AT A MINIMUM THICKNESS OF 0.125 INCH.

9. THERMOPLASTIC MATERIAL SHALL CONFORM TO STATE STANDARD SPECIFICATION SECTION 84-2.02B "THERMOPLASTIC"

10. 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.

11. 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.

DATE SIGNED

DATE

EXP DATE

LICENSE

REGISTRATION NO.

CONSULTANT DESIGN ENGINEER

JOHN C. SCROGGS, P.E.

measure
M
Sales tax
at
Work

REGISTERED PROFESSIONAL ENGINEER

JOHN C. SCROGGS

No. 26388

Exp. 3-31-24

CIVIL

STATE OF CALIFORNIA

1/29/2022

PROJECT ENGINEER DATE
REGISTERED CIVIL ENGINEER

KASL CONSULTING ENGINEERS
7777 GREENBACK LN., STE. 104
CITRUS HEIGHTS, CA 95610

GENERAL NOTES

LAST REVISION
DATE PLOTTED = 6/27/2022
SEPT 2018 TIME PLOTTED = 2:17:24 PM

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SON	116	25.5/27.1	3	17



REGISTERED PROFESSIONAL ENGINEER
JOHN C. SCROGGS
No. 26388
Exp. 3-31-24
CIVIL
STATE OF CALIFORNIA

PROJECT ENGINEER
REGISTERED CIVIL ENGINEER
DATE 7/29/2022
KASL CONSULTING ENGINEERS
7777 GREENBACK LN., STE. 104
CITRUS HEIGHTS, CA 95610



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



6 NOT USED



7 8 NOT USED

11 CLEVELAND AVE / CA-116

9 10 CLEVELAND AVE / CA-116



12 13 N MAIN ST / CA-116



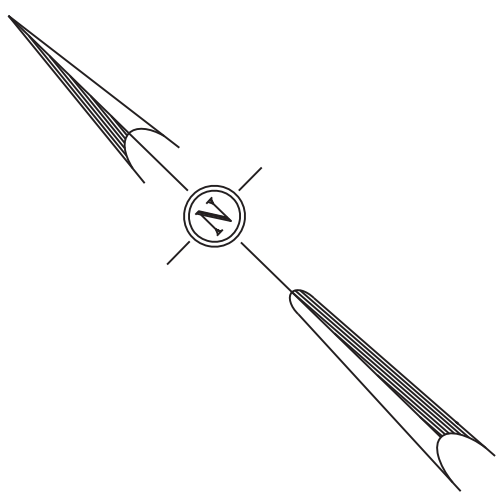
14 N MAIN ST / CA-116



15 16 WALLACE ST / CA-116

17 NOT USED

VICINITY MAP & PHOTOS 1



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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SON	116	25.5/27.1	4	17



REGISTERED PROFESSIONAL ENGINEER

JOHN C. SCROGGS

No. 26388

Exp. 3-31-24

CIVIL

STATE OF CALIFORNIA

7/29/2022

DATE

PROJECT ENGINEER

REGISTERED CIVIL ENGINEER

KASL CONSULTING ENGINEERS

7777 GREENBACK LN. STE. 104

CITRUS HEIGHTS, CA 95610



18 19 NOT USED

20 21 NOT USED

22 23 NOT USED



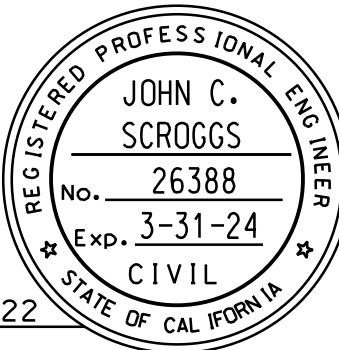
24 FLORENCE AVE / BODEGA AVE



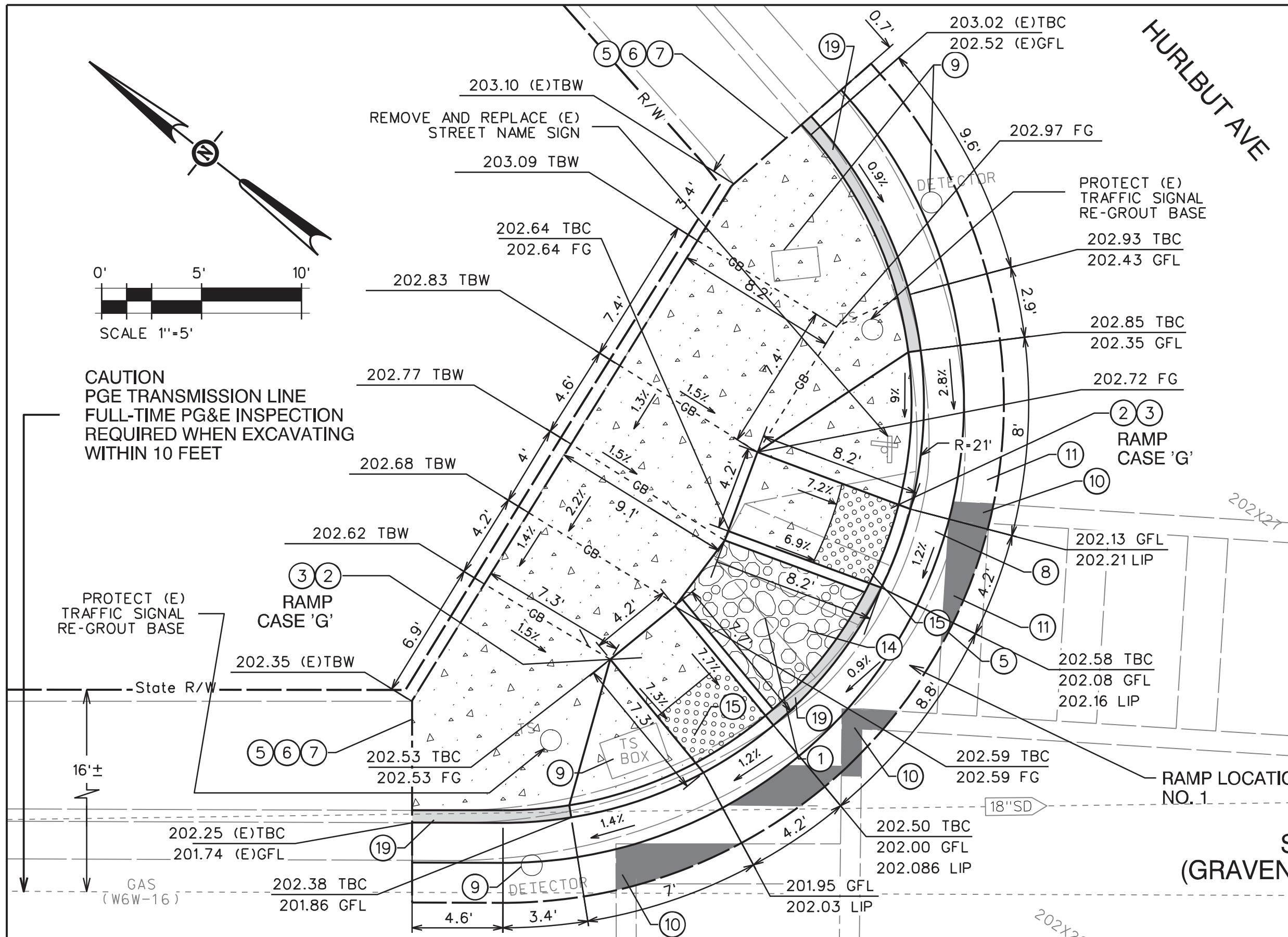
25 ROBINSON RD / BODEGA AVE

VICINITY MAP & PHOTOS 2

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SON	116	25.5/27.1	5	17

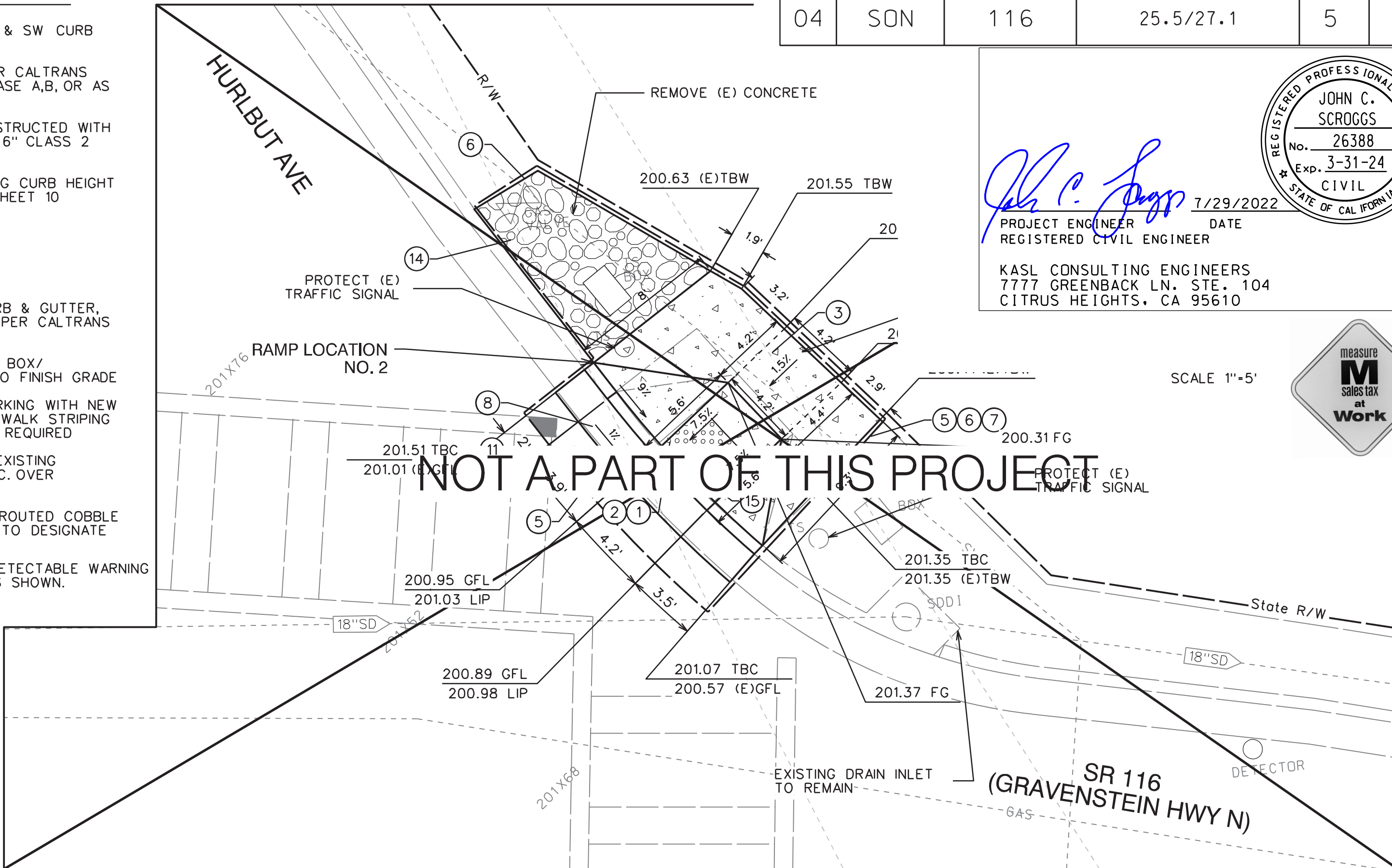


John C. Scroggs
PROJECT ENGINEER DATE 7/29/2022
REGISTERED CIVIL ENGINEER
KASL CONSULTING ENGINEERS
7777 GREENBACK LN. STE. 104
CITRUS HEIGHTS, CA 95610



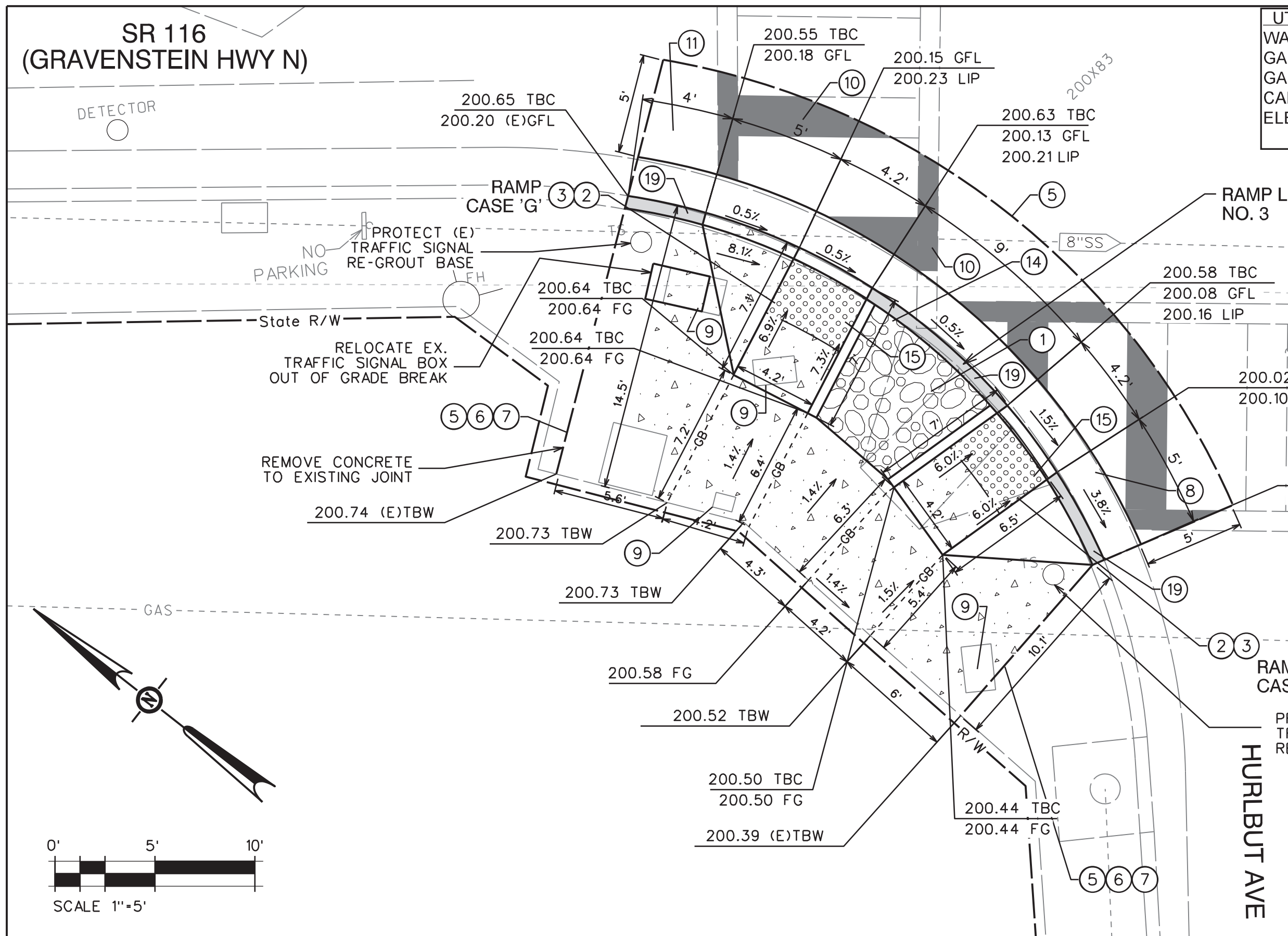
NORTH CORNER OF HURLBUT AVE & SR 116 INTX

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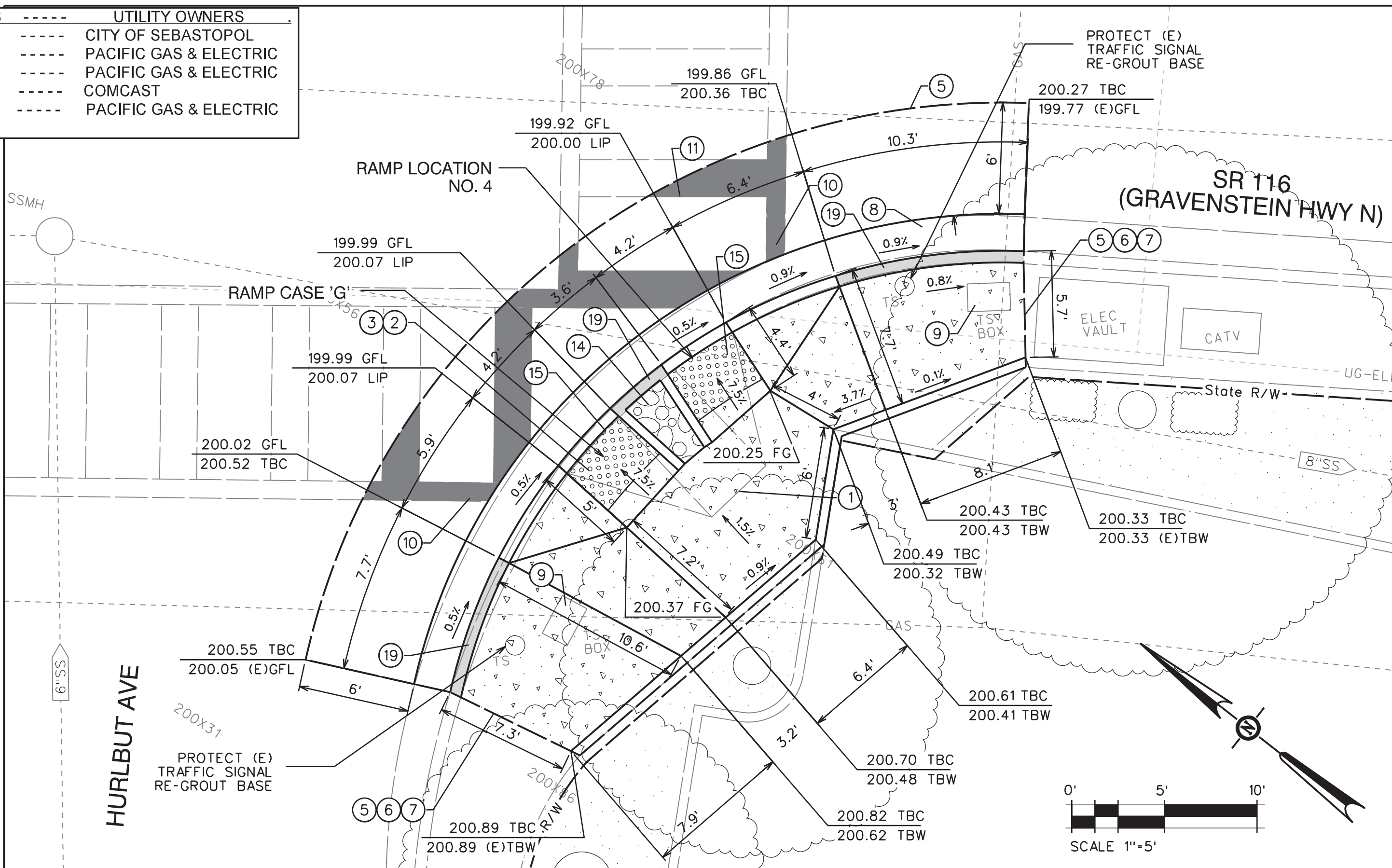
EAST CORNER OF HURLBUT AVE & SR 116 INTX

2



WEST CORNER OF HURLBUT AVE & SR 116 INTX

3



SOUTH CORNER OF HURLBUT AVE & SR 116 INTX

4

BUBBLE NOTES

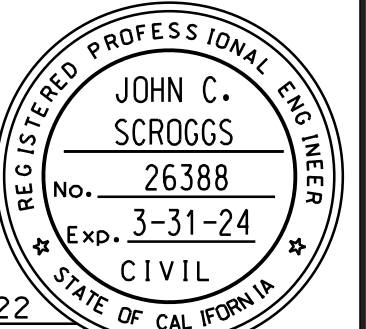
- 1 REMOVE EXISTING RAMP & SW CURB AND GUTTER
- 2 INSTALL CURB RAMP PER CALTRANS STD RAMP RSP A88A CASE A,B, OR AS SHOWN
- 3 NEW RAMP TO BE CONSTRUCTED WITH 3.5" THICK P.C.C. OVER 6" CLASS 2 A.B.
- 4 PLACE 6" WIDE RETAINING CURB HEIGHT VARIES PER DETAIL 4 SHEET 10
- 5 SAW CUT LINE
- 6 LIMITS OF DEMOLITION
- 7 MATCH EXISTING
- 8 INSTALL TYPE A2-6 CURB & GUTTER, OVER 6" CLASS 2 A.B., PER CALTRANS STD. DWG A87A
- 9 ADJUST TRAFFIC SIGNAL BOX/ DETECTOR/EQUIPMENT 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.
- 14 FURNISH AND INSTALL GROUTED COBBLE PER DETAIL 2 SHEET 11 TO DESIGNATE NON-PATH OF TRAVEL
- 15 FURNISH AND INSTALL DETECTABLE WARNING SURFACE, DIMENSIONS AS SHOWN.
- 19 PAINT CURB RED

UTILITIES WITHIN PROJECT LIMITS	UTILITY OWNERS
WATER & SEWER UTILITIES	CITY OF SEBASTOPOL
GAS TRANSMISSION LINES	PACIFIC GAS & ELECTRIC
GAS DISTRIBUTION LINES	PACIFIC GAS & ELECTRIC
CABLE TELEVISION / INTERNET	COMCAST
ELECTRICAL DISTRIBUTION	PACIFIC GAS & ELECTRIC

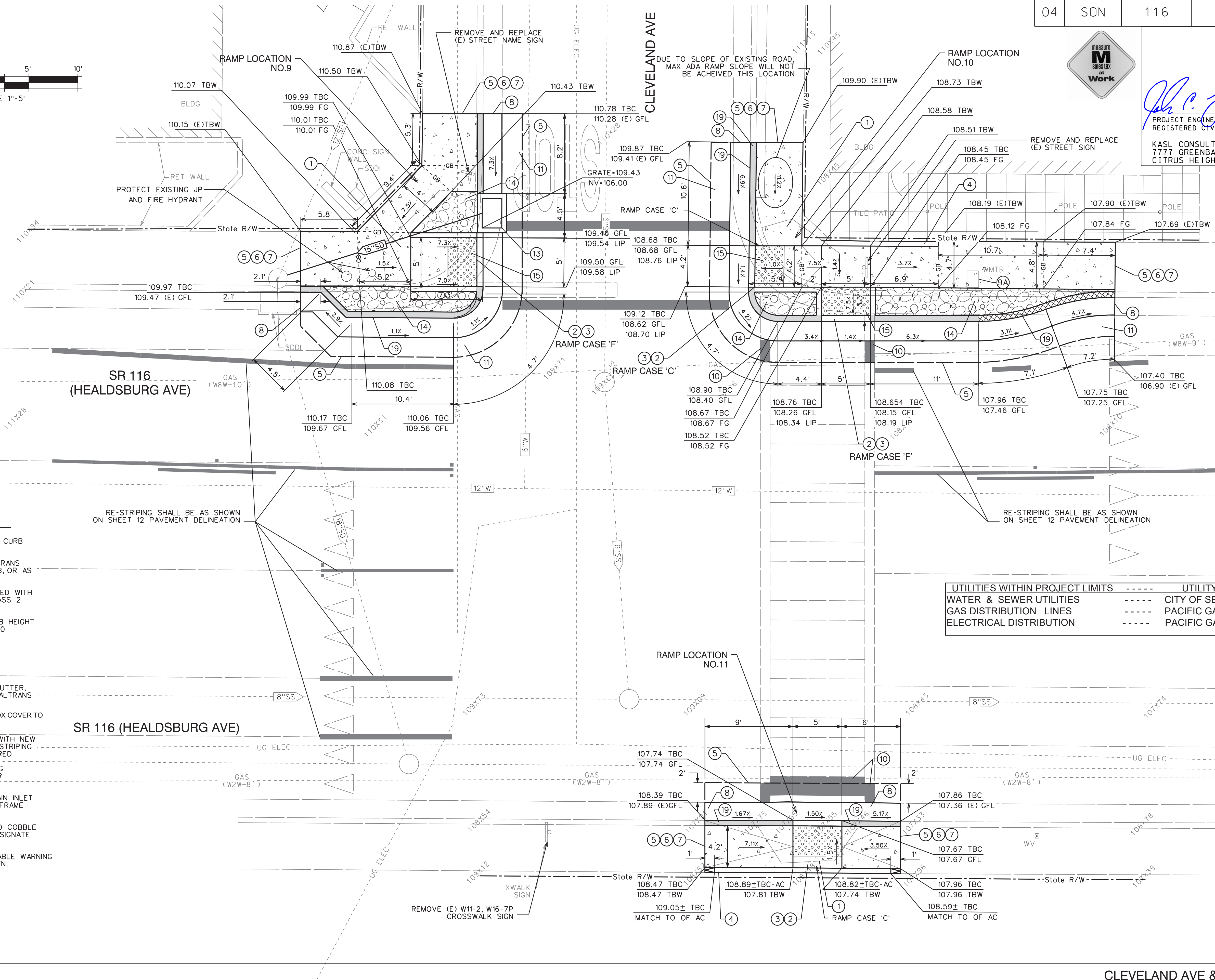
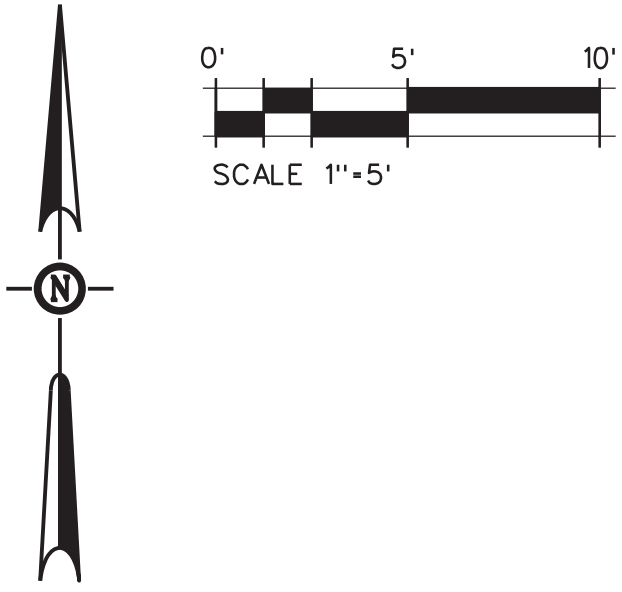
REGISTRATION NO. LICENSE EXP DATE DATE SIGNED

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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SON	116	25.5/27.1	6	17



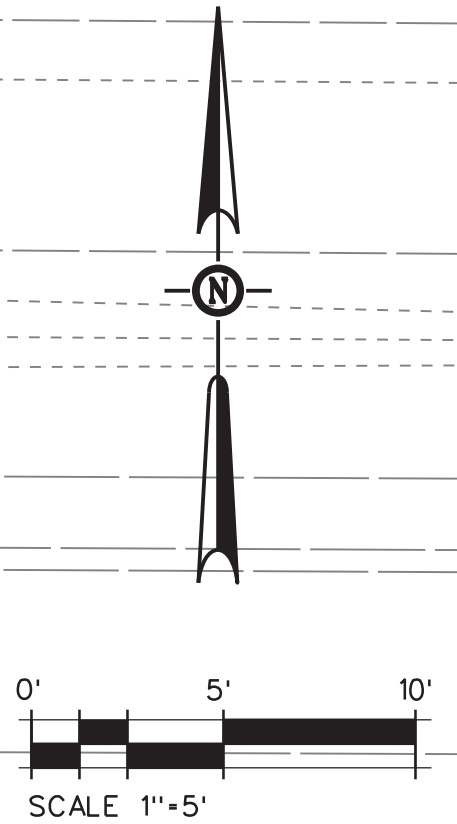
PROJECT ENGINEER DATE
REGISTERED CIVIL ENGINEER 7/29/2022
KASL CONSULTING ENGINEERS
7777 GREENBACK LN. STE. 104
CITRUS HEIGHTS, CA 95610



BUBBLE NOTES

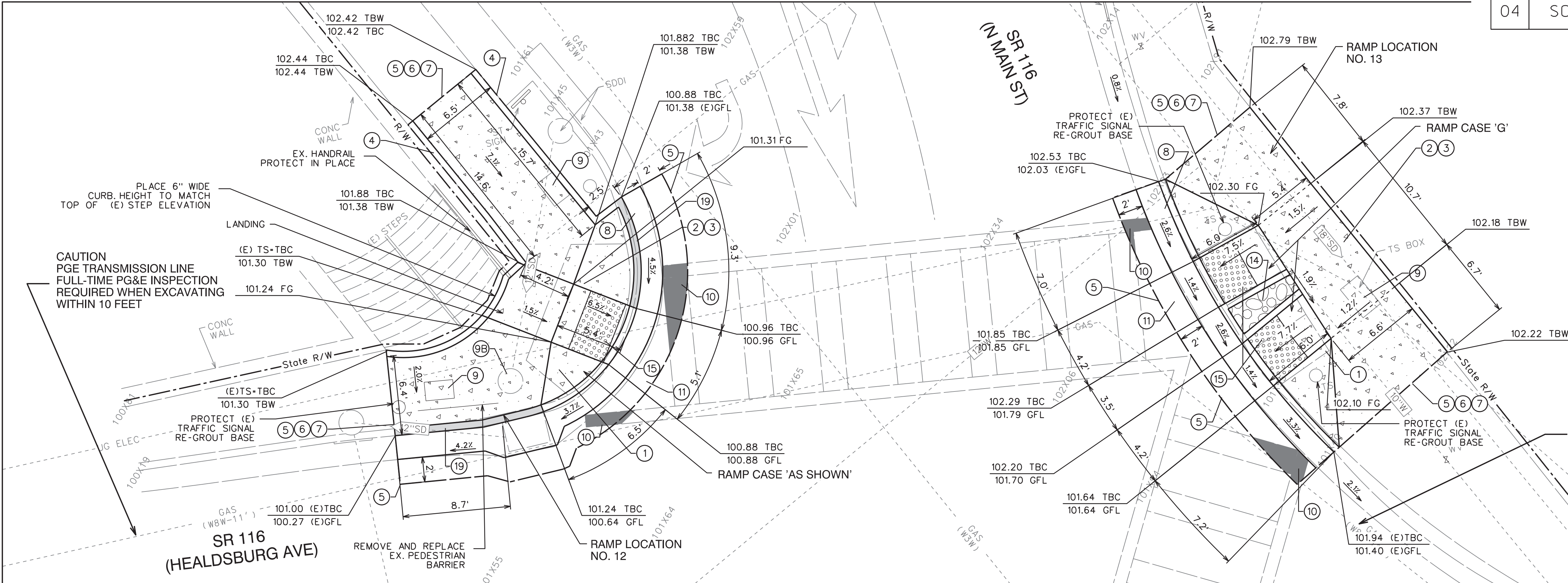
- 1 REMOVE EXISTING RAMP & SW CURB AND GUTTER
- 2 INSTALL CURB RAMP PER CALTRANS STD RAMP RSP A88A CASE A,B, OR AS SHOWN
- 3 NEW RAMP TO BE CONSTRUCTED WITH 3.5" THICK P.C.C. OVER 6" CLASS 2 A.B.
- 4 PLACE 6" WIDE RETAINING CURB HEIGHT VARIES PER DETAIL 4 SHEET 10
- 5 SAW CUT LINE
- 6 LIMITS OF DEMOLITION
- 7 MATCH EXISTING
- 8 INSTALL TYPE A2-6 CURB & GUTTER, OVER 6" CLASS 2 A.B., PER CALTRANS STD. DWG A87A
- 9A ADJUST WATER SERVICE METER BOX COVER 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.
- 13 INSTALL CALTRANS STORM DRAIN INLET TYPE GO WITH RECTANGULAR FRAME AND 24-12X GRATE
- 14 FURNISH AND INSTALL GROUTED COBBLE PER DETAIL 2 SHEET 11 TO DESIGNATE NON-PATH OF TRAVEL
- 15 FURNISH AND INSTALL DETECTABLE WARNING SURFACE, DIMENSIONS AS SHOWN.
- 19 PAINT CURB RED

UTILITIES WITHIN PROJECT LIMITS	UTILITY OWNERS
WATER & SEWER UTILITIES	CITY OF SEBASTOPOL
GAS DISTRIBUTION LINES	PACIFIC GAS & ELECTRIC
ELECTRICAL DISTRIBUTION	PACIFIC GAS & ELECTRIC



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

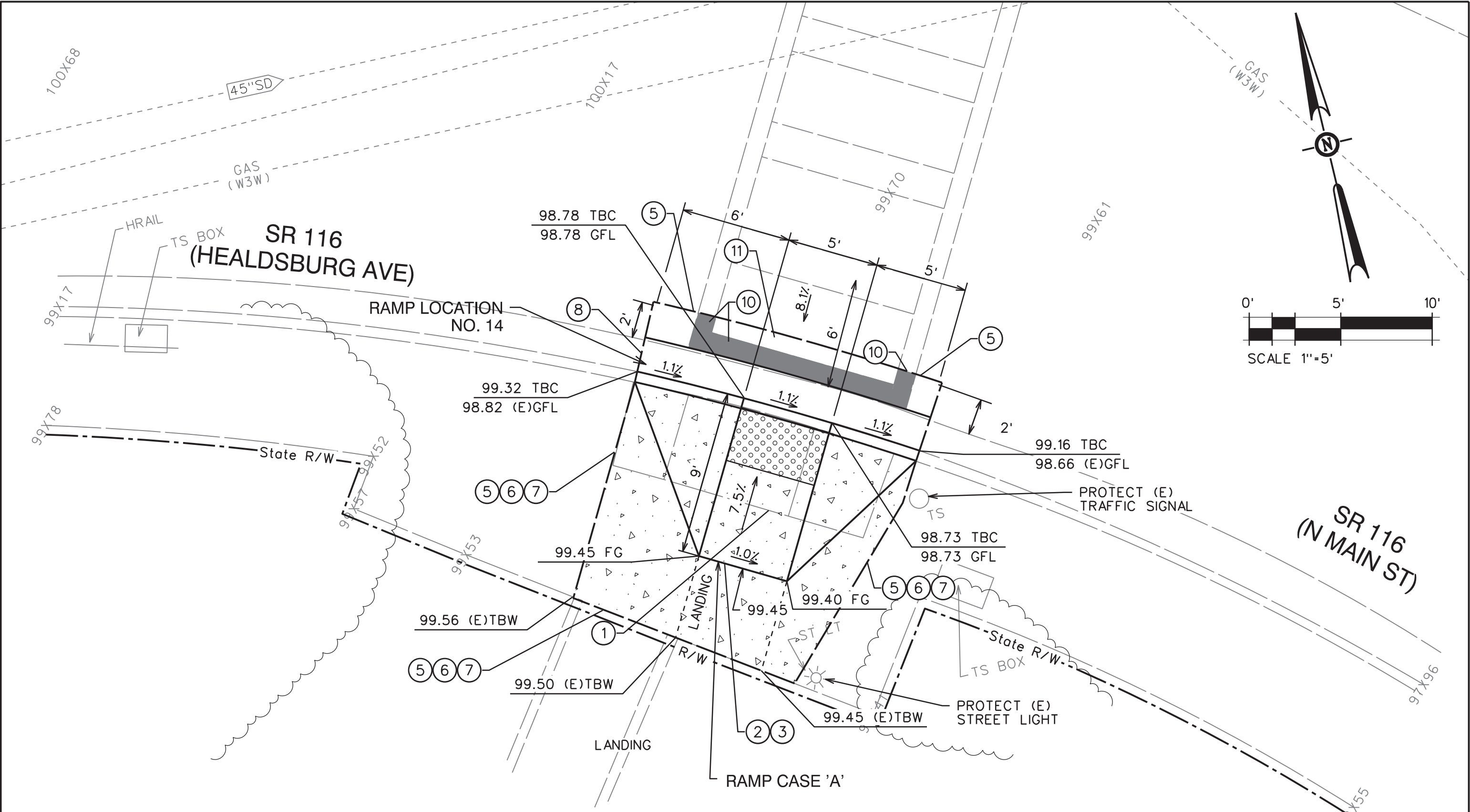
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SON	116	25.5/27.1	7	17



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 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 10
- 5 SAW CUT LINE
- 6 LIMITS OF DEMOLITION
- 7 MATCH EXISTING
- 8 INSTALL TYPE A2-6 CURB & GUTTER, OVER 6" CLASS 2 A.B., PER CALTRANS STD. DWG A87A
- 9 ADJUST TRAFFIC SIGNAL BOX/ DETECTOR/EQUIPMENT TO FINISH GRADE
- 9B ADJUST STORM DRAIN MANHOLE COVER 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.
- 14 FURNISH AND INSTALL GROUTED COBBLE PER DETAIL 2 SHEET 11 TO DESIGNATE NON-PATH OF TRAVEL
- 15 FURNISH AND INSTALL DETECTABLE WARNING SURFACE, DIMENSIONS AS SHOWN.
- 19 PAINT CURB RED



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

UTILITIES WITHIN PROJECT LIMITS	UTILITY OWNERS
WATER & SEWER UTILITIES	CITY OF SEBASTOPOL
GAS DISTRIBUTION LINES	PACIFIC GAS & ELECTRIC
ELECTRICAL DISTRIBUTION	PACIFIC GAS & ELECTRIC

REGISTERED PROFESSIONAL ENGINEER
JOHN C. SCROGGS
No. 26388
Exp. 3-31-24
CIVIL
STATE OF CALIFORNIA

7/29/2022
PROJECT ENGINEER DATE
REGISTERED CIVIL ENGINEER

KASL CONSULTING ENGINEERS
7777 GREENBACK LN. STE. 104
CITRUS HEIGHTS, CA 95610

N MAIN ST & SR 116

REGISTERED PROFESSIONAL ENGINEER
JOHN C. SCROGGS
No. 26388
Exp. 3-31-24
CIVIL
STATE OF CALIFORNIA

7/29/2022

DATE

PROJECT ENGINEER
REGISTERED CIVIL ENGINEER

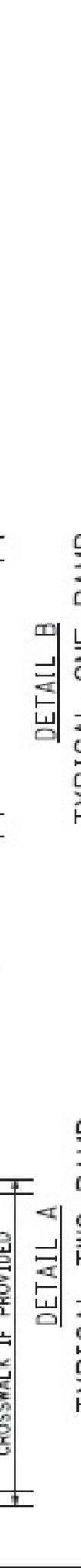
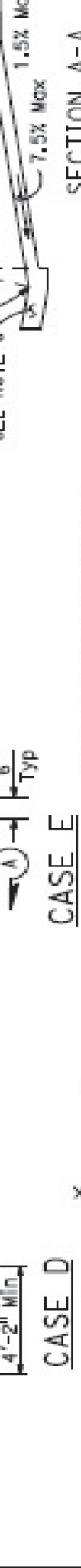
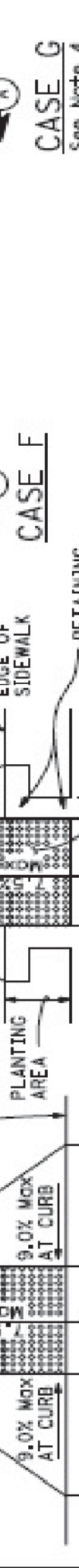
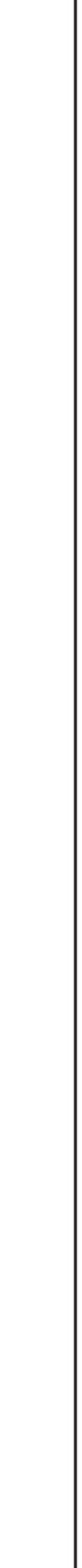
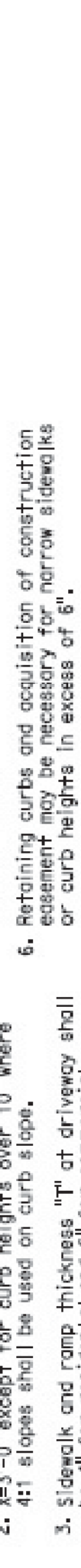
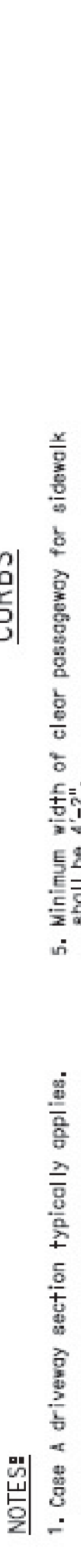
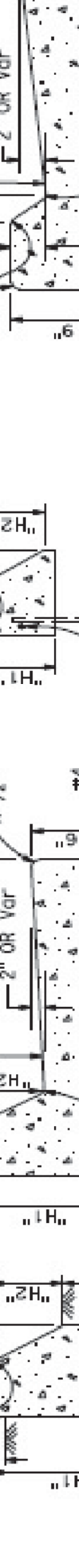
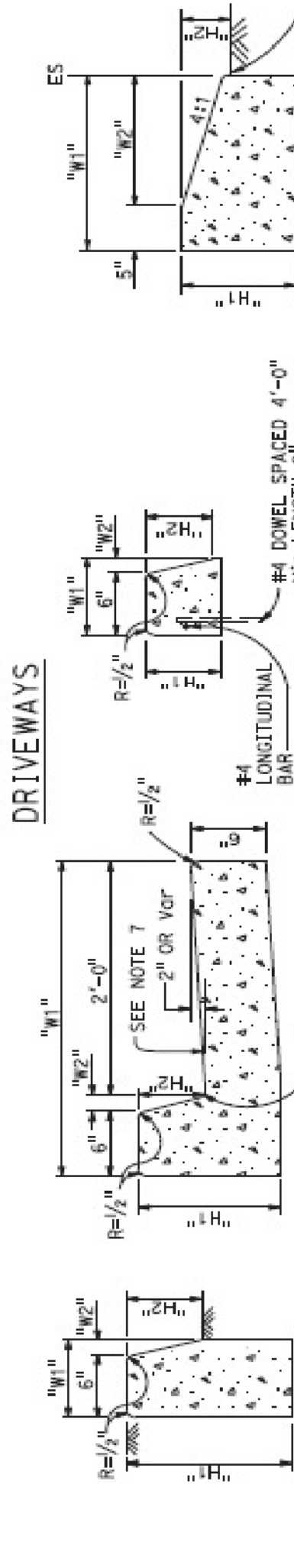
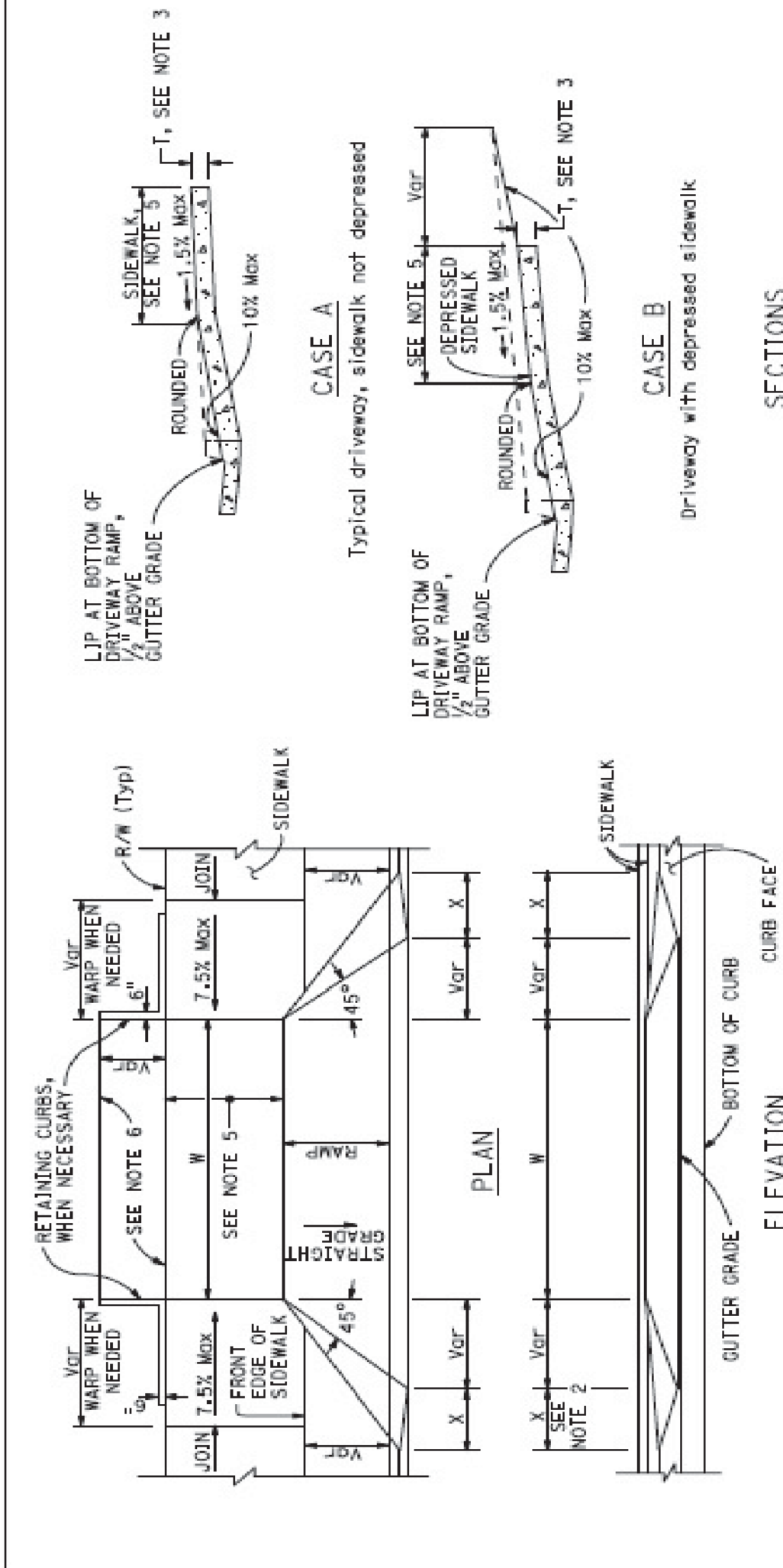
KASI CONSULTING ENGINEERS
7777 GREENBACK LN, STE 104
CITRUS HEIGHTS, CA 95610



2018 STANDARD PLAN A87A

CURB QUANTITIES	
TYPE	CUBIC YARDS PER LINEAR FOOT
A1-6	0.02585
A1-8	0.03084
A2-6	0.05903
A2-8	0.06379
A3-6	0.01036
A3-8	0.01435
B1-4	0.02785
B1-6	0.02930
B2-4	0.05515
B3-4	0.06171
B3-6	0.01074
B4	0.05709
D-4	0.04083
D-6	0.06804
E	0.06681

TABLE A	
CURB TYPE	DIMENSIONS
A1-6	1'-2" 1/2" 6" 7/2" 1 1/2"
A1-8	1'-2" 6" 8" 2" 2"
A2-6	1'-2" 6" 2'-7 1/2" 1 1/2"
A2-8	1'-2" 8" 2'-8" 2" 2"
A3-6	6" 5" 7 1/4" 1 1/4"
A3-8	8" 5" 7 3/4" 1 3/4"
B1-4	1'-0" 4" 7 1/2" 2 1/2"
B1-6	1'-2" 6" 9" 4"
B2-4	10" 4" 2'-7 1/2" 2 1/2"
B2-6	1'-0" 6" 2'-9" 4"
B3-4	4" 3" 7" 2"
B3-6	6" 5" 8 1/2" 3 1/2"
D-4	10" 4" 1'-6" 1'-1"
D-6	1'-0" 6" 2'-2" 1'-9"



2018 STANDARD PLAN A88A

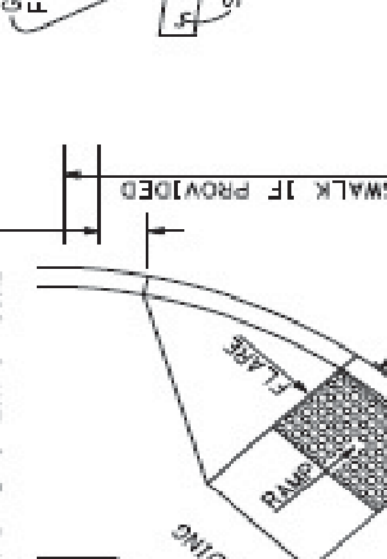
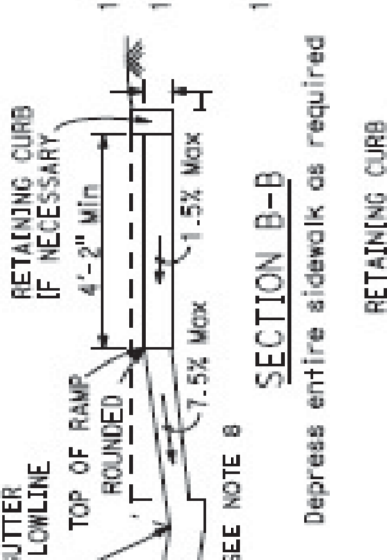
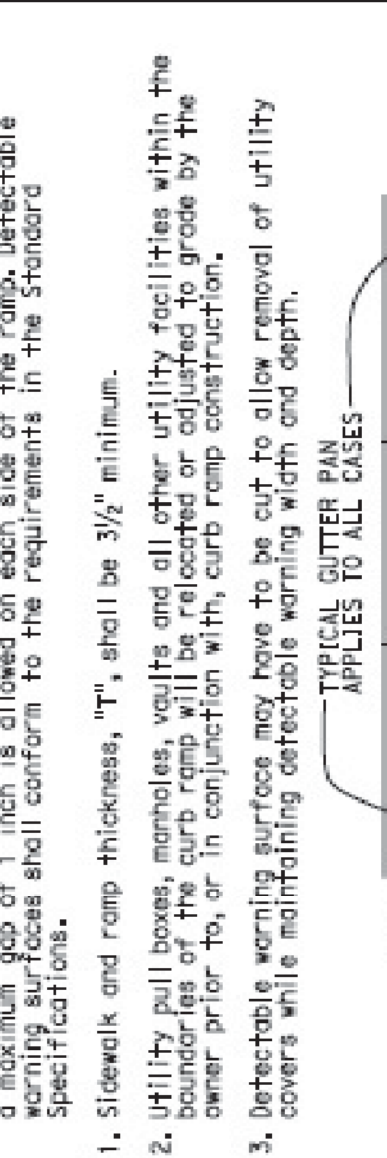
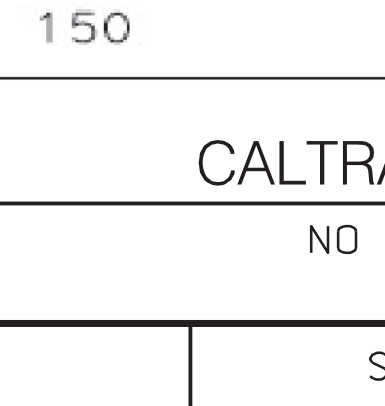
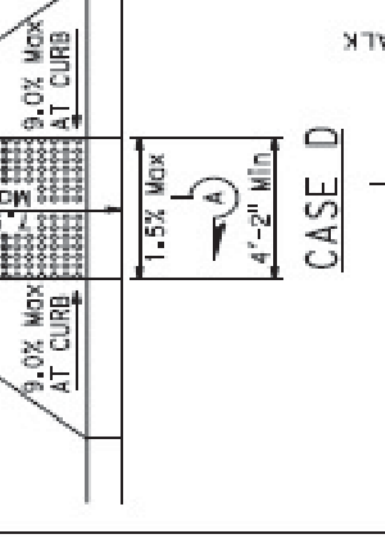
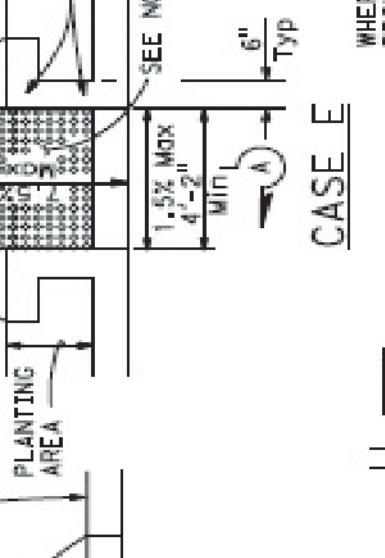
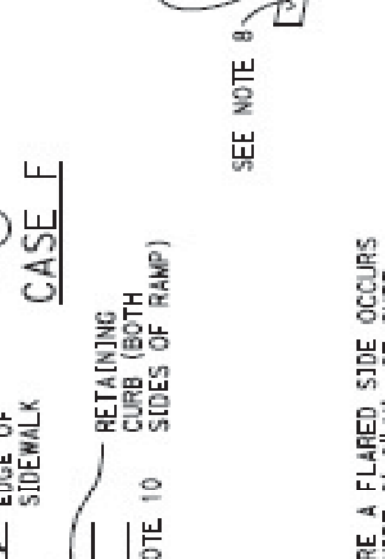
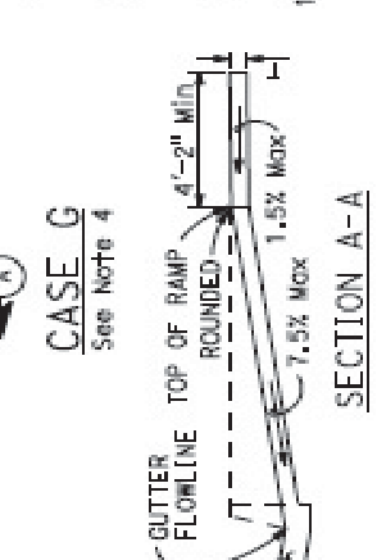
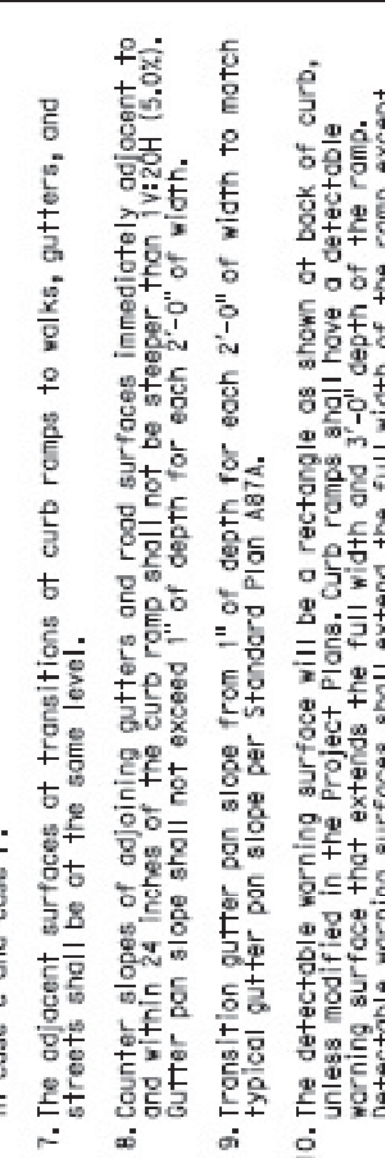
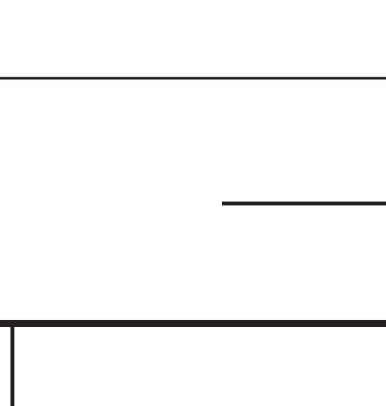
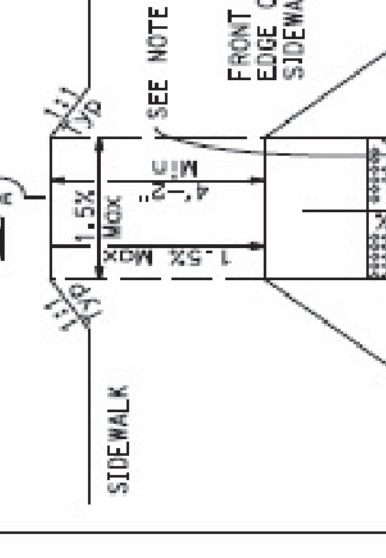
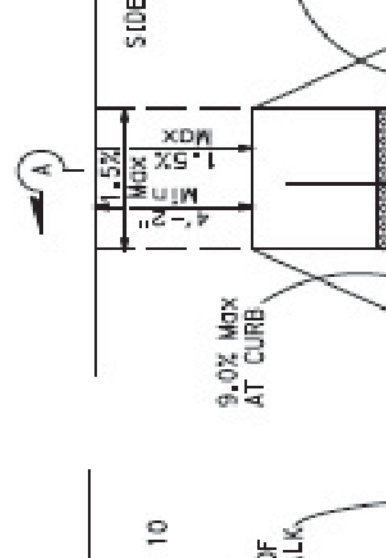
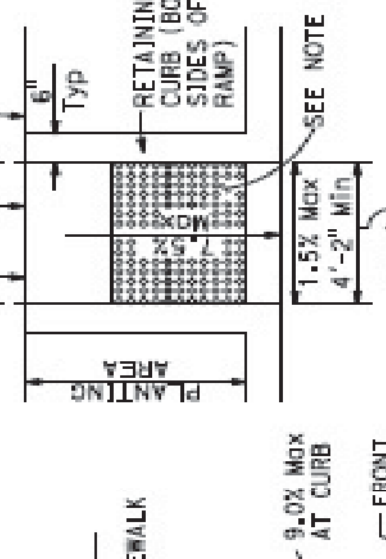
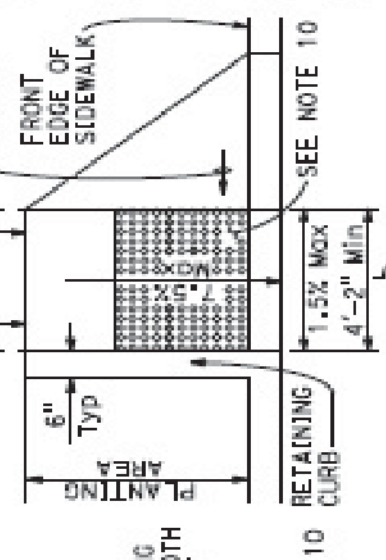
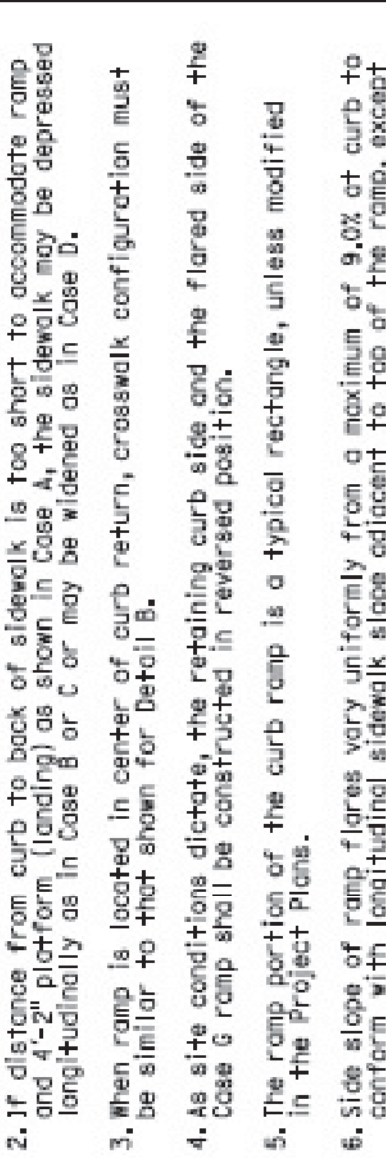
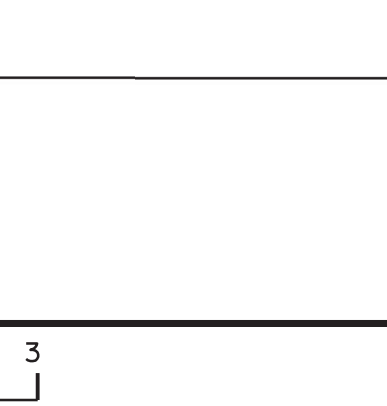
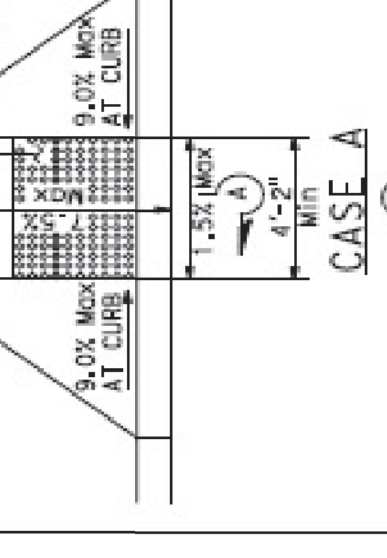
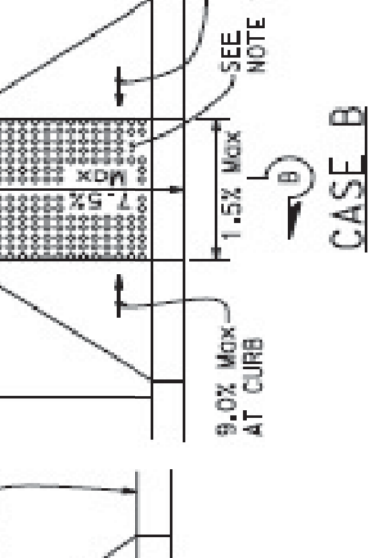
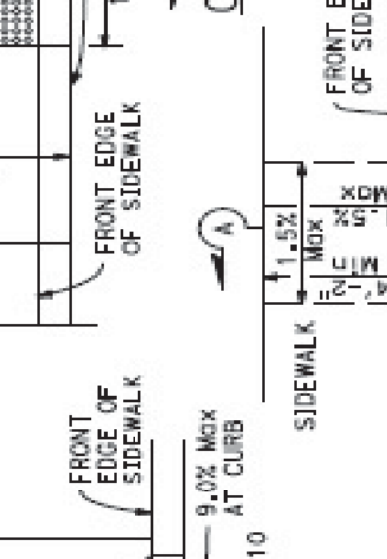
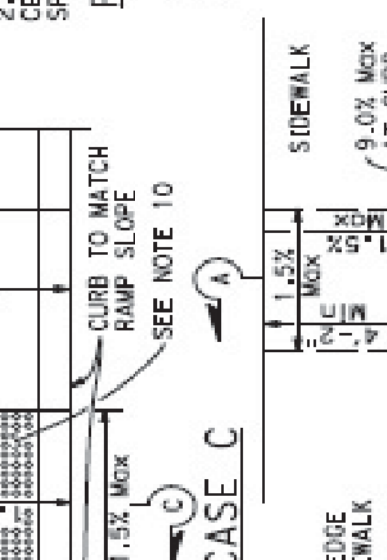
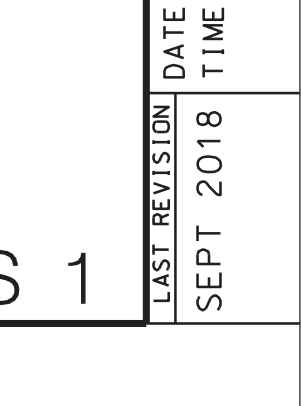
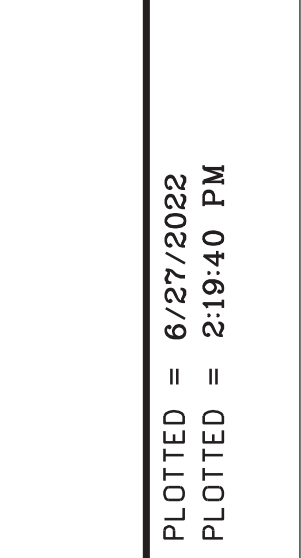
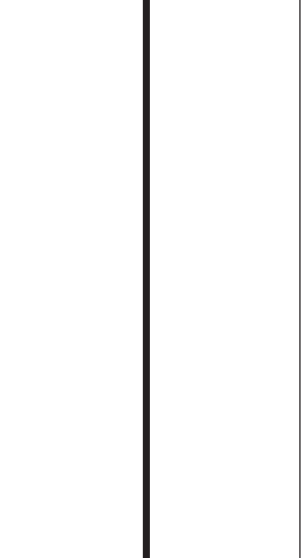
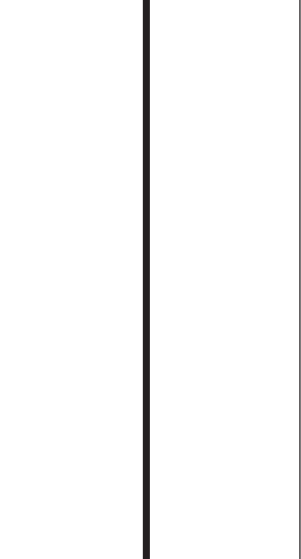
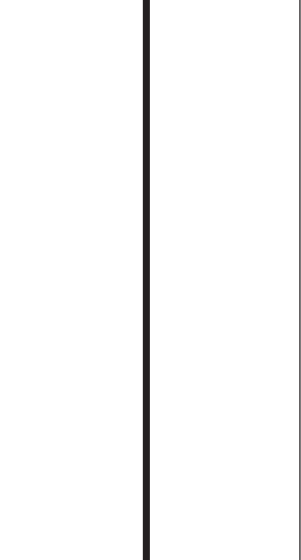
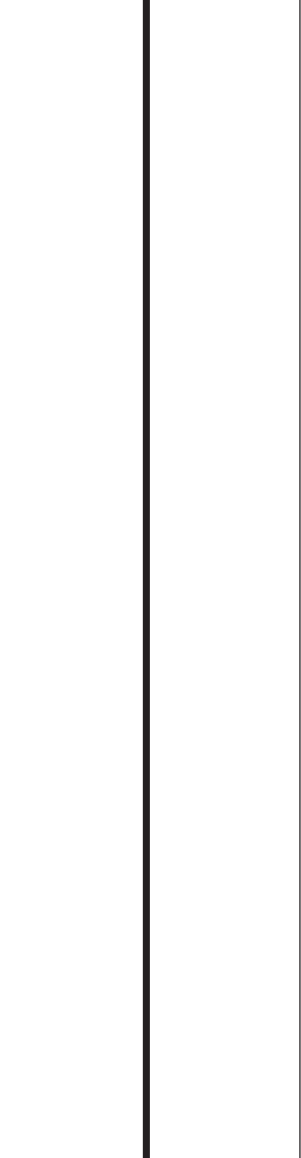
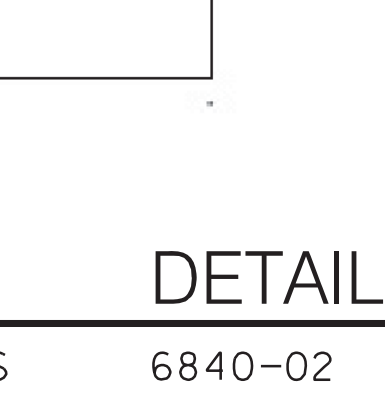
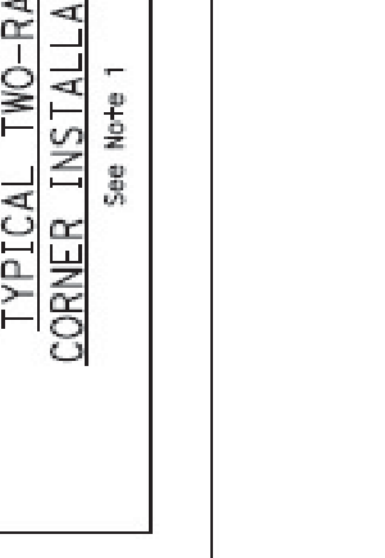
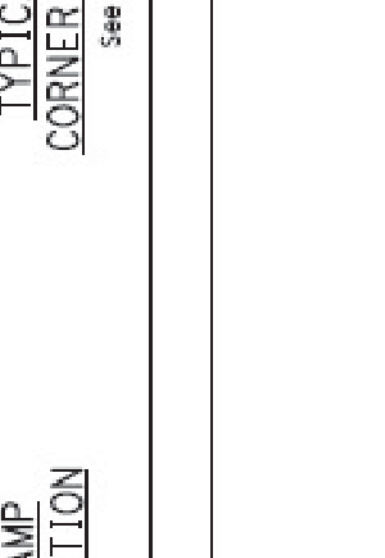
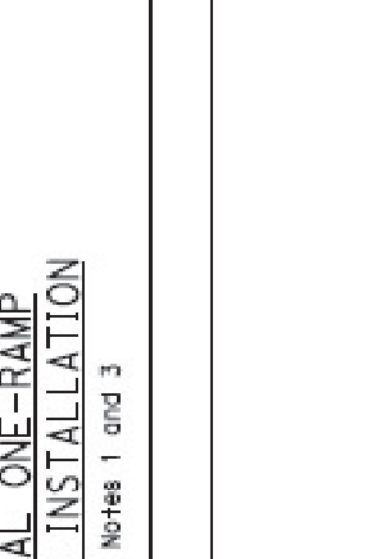
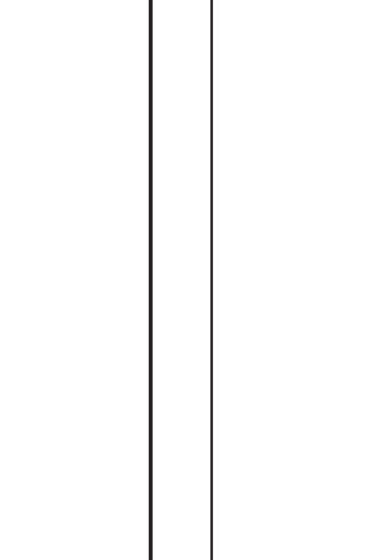
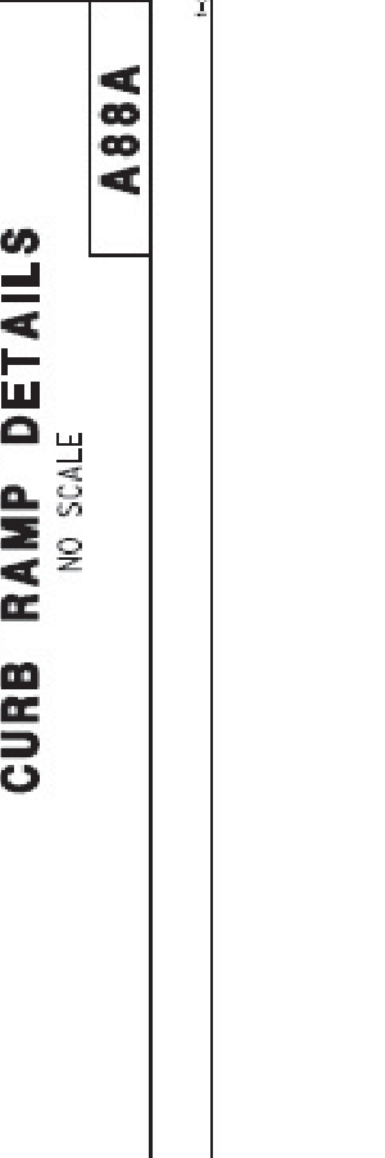
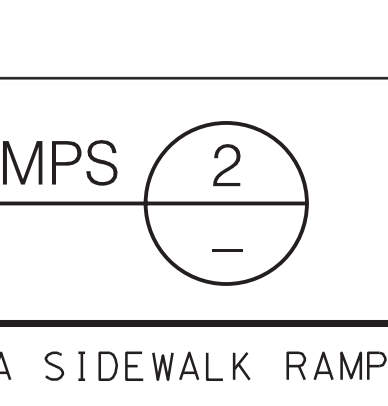
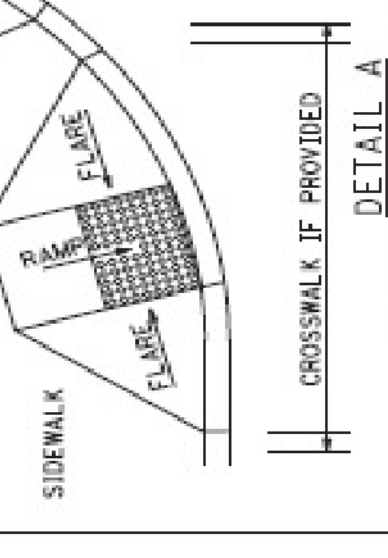
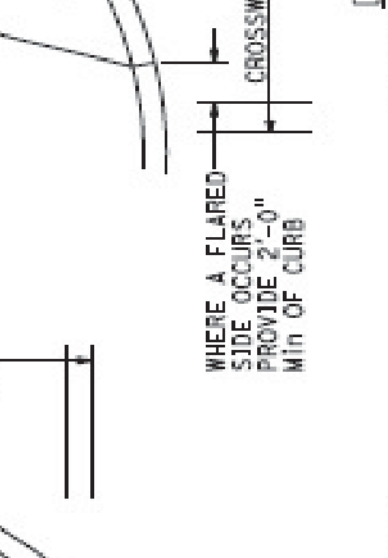
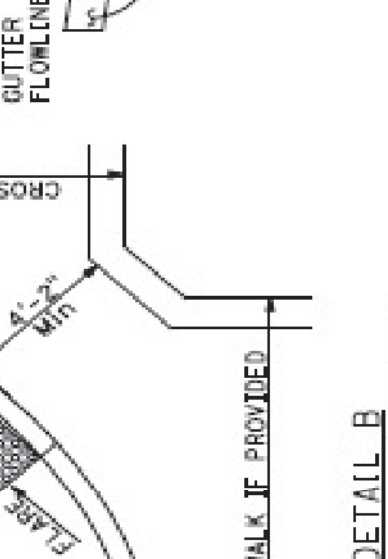
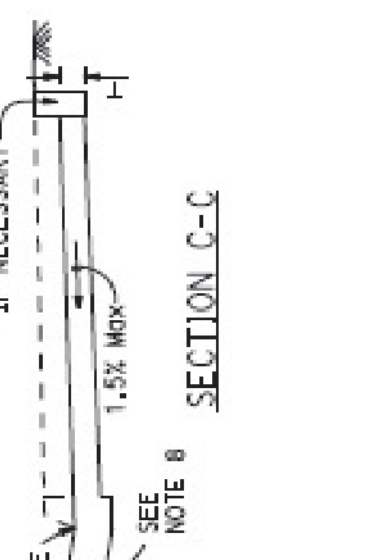
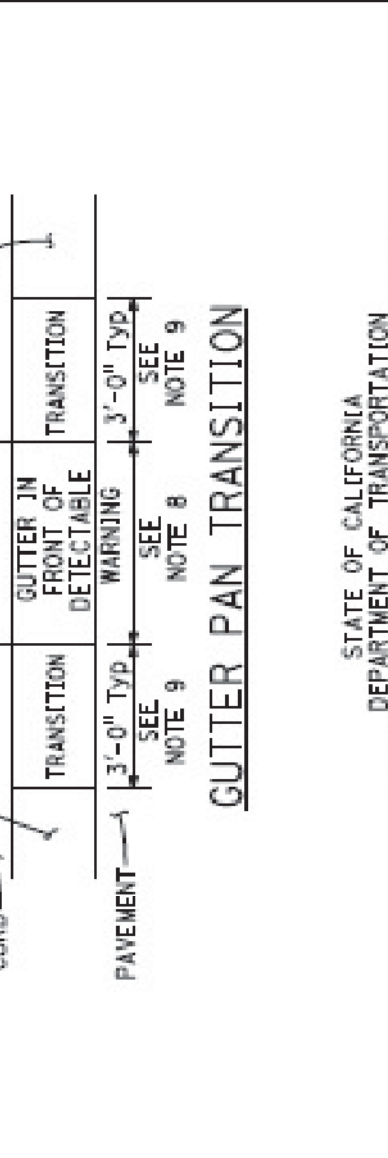
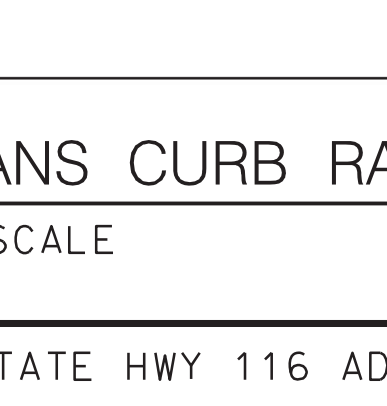
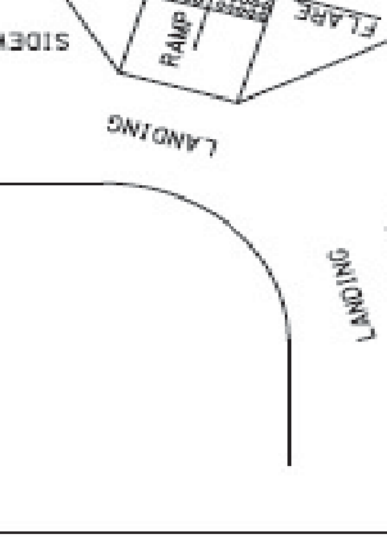
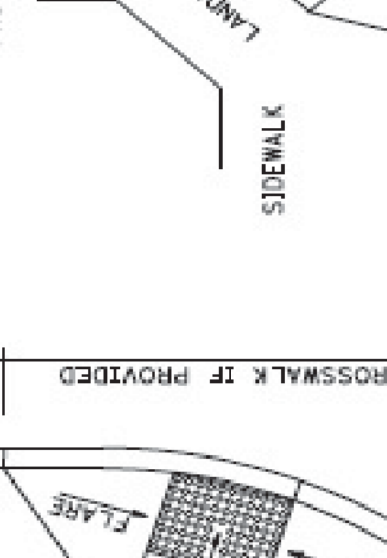
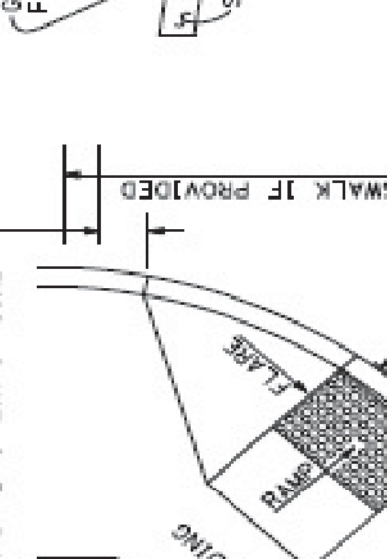
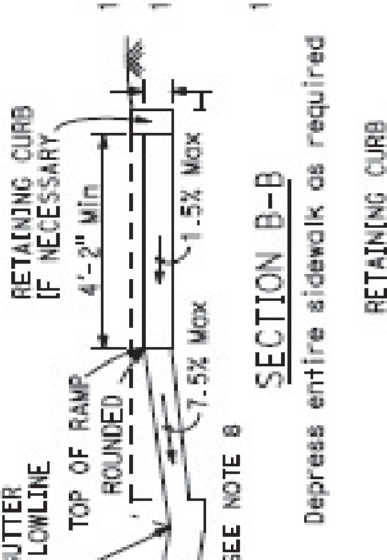
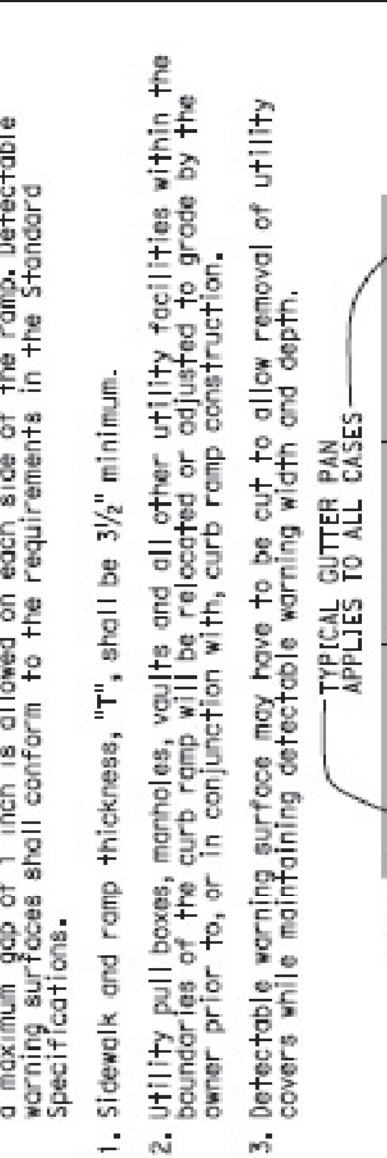
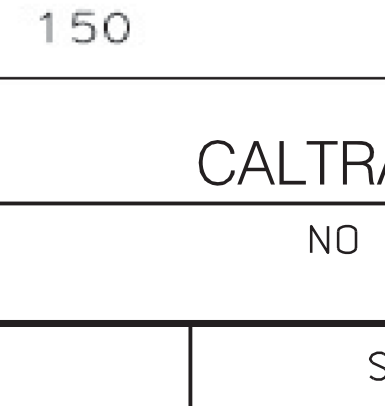
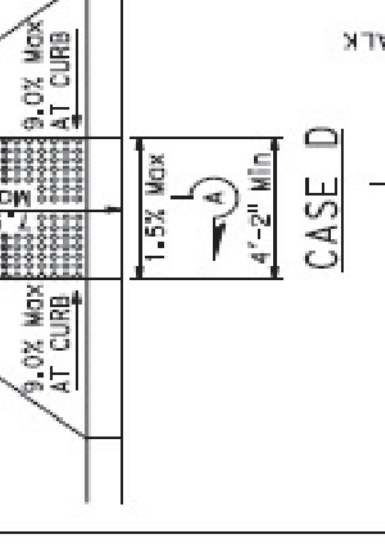
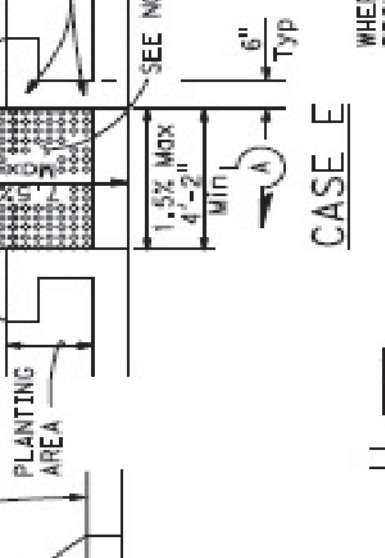
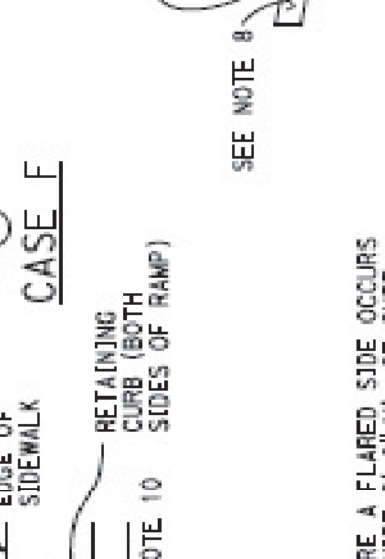
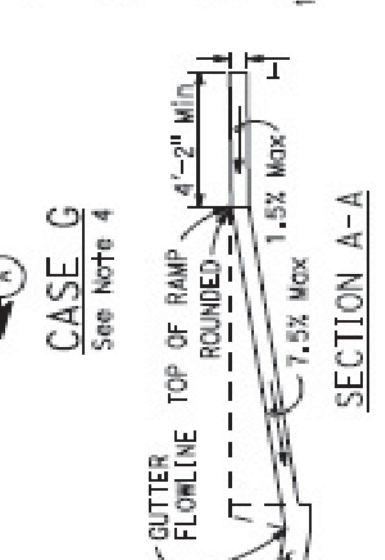
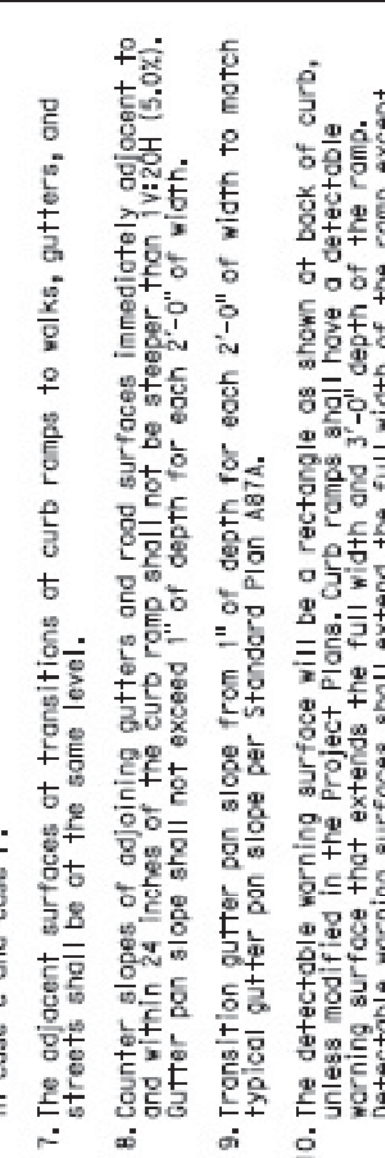
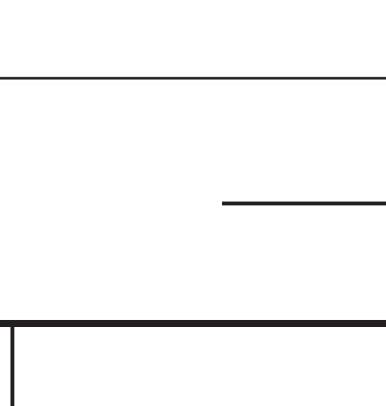
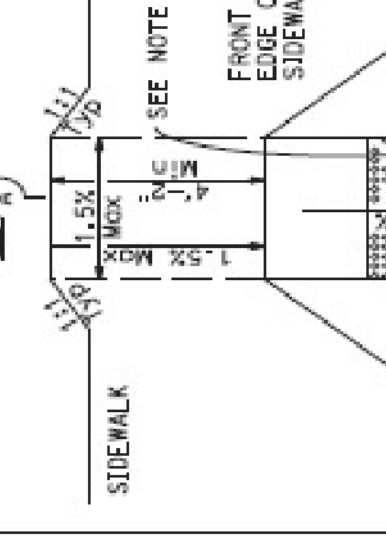
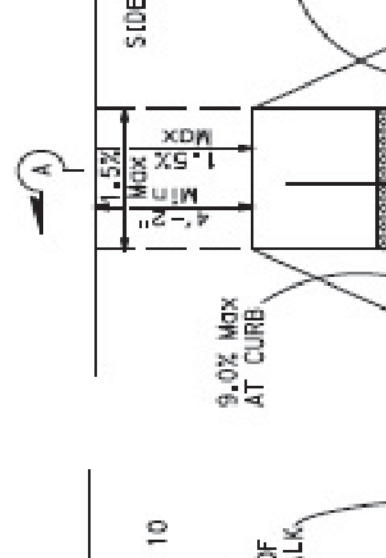
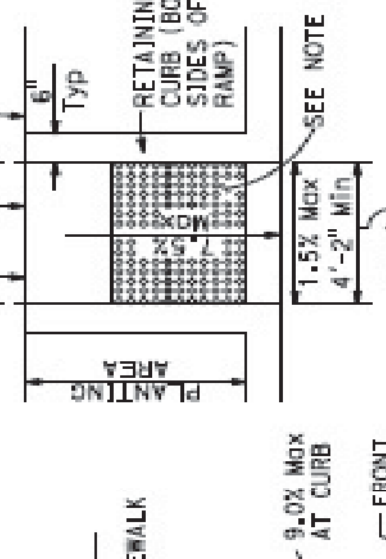
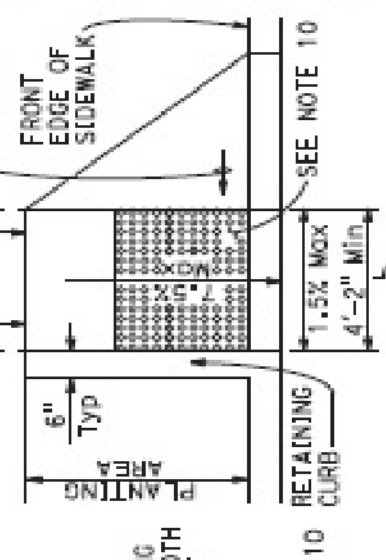
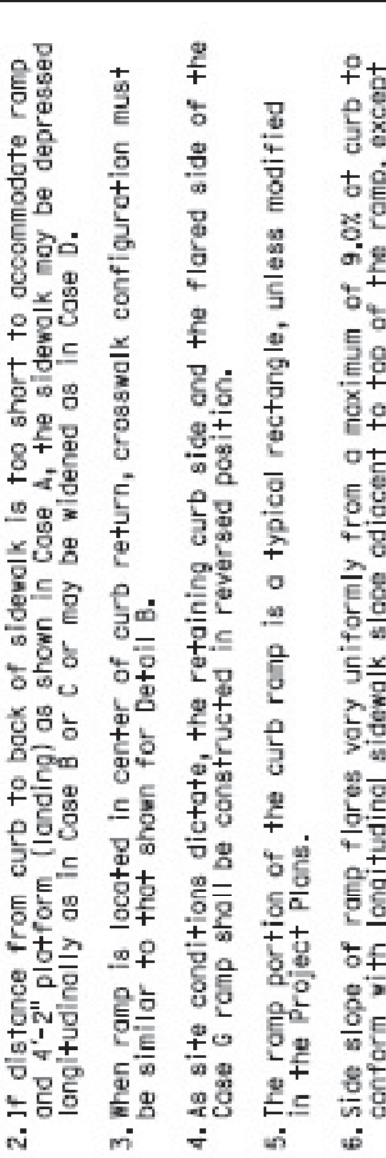
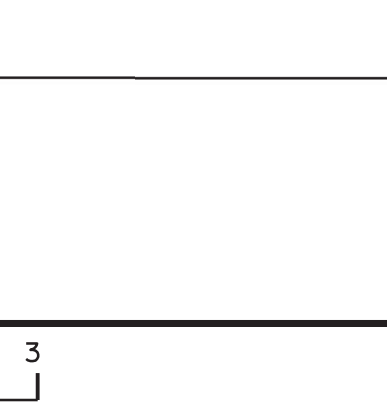
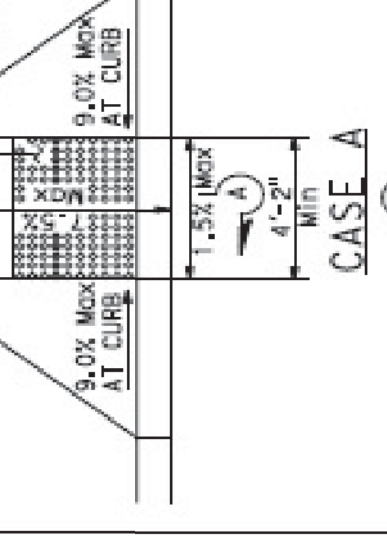
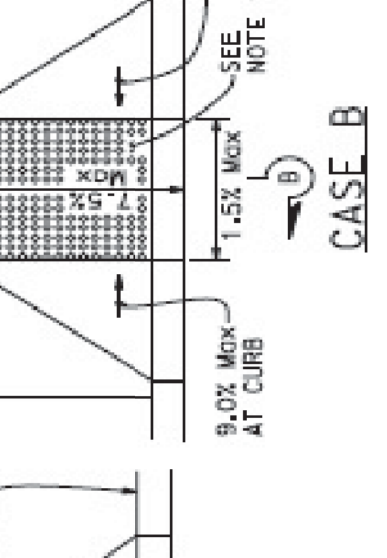
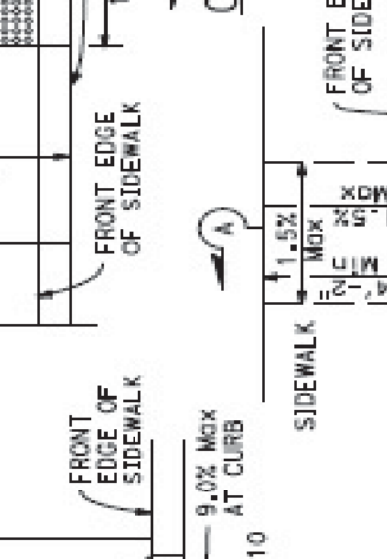
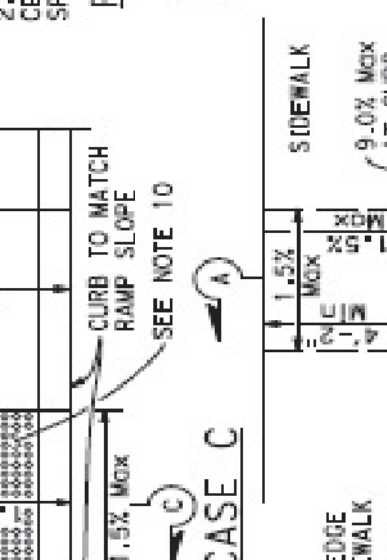
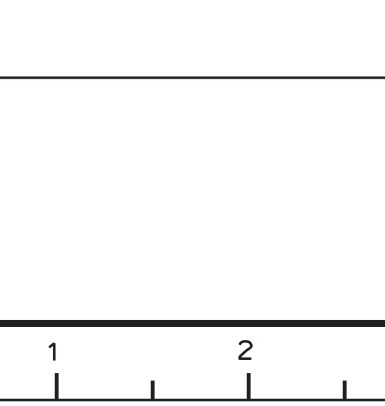
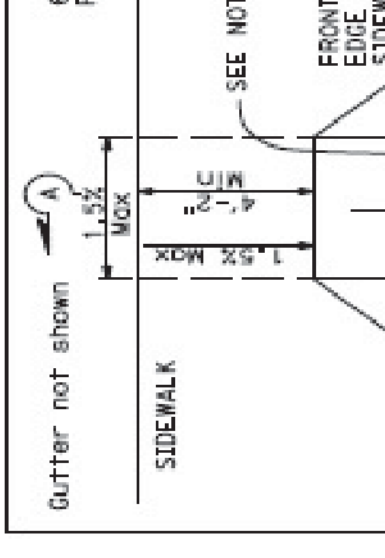
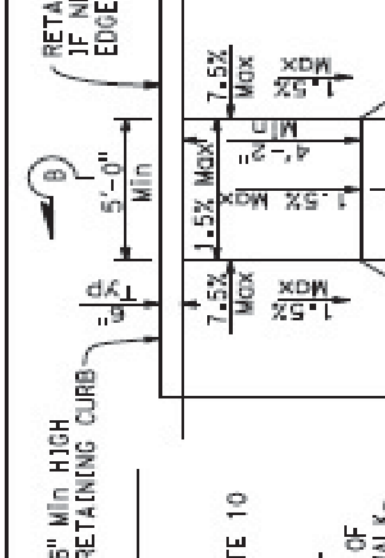
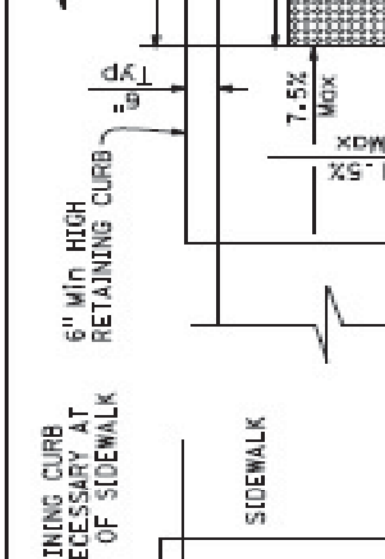
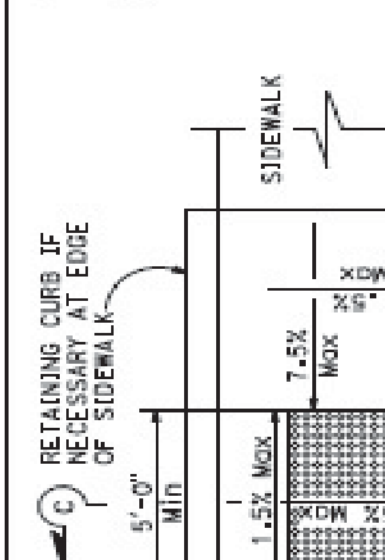
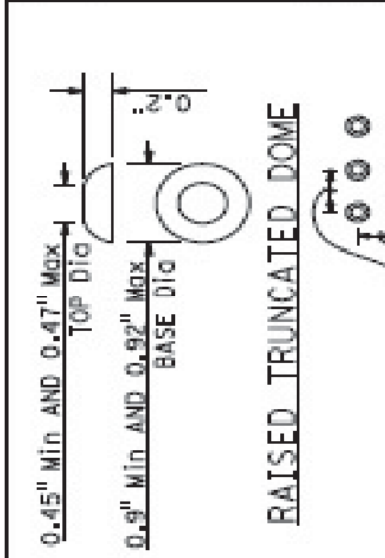
REGISTERED CIVIL ENGINEER
JOHN C. SCROGGS
No. 26388
Exp. 3-31-24
CIVIL
STATE OF CALIFORNIA

7/29/2022

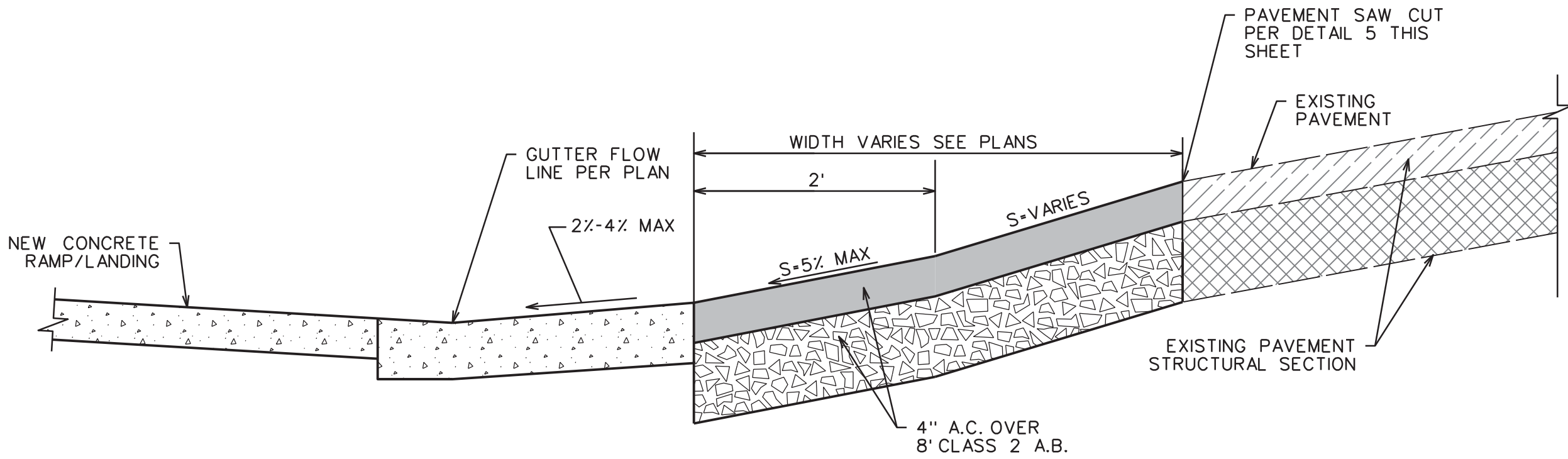
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PROJECT ENGINEER
REGISTERED CIVIL ENGINEER

KASI CONSULTING ENGINEERS
7777 GREENBACK LN, STE 104
CITRUS HEIGHTS, CA 95610

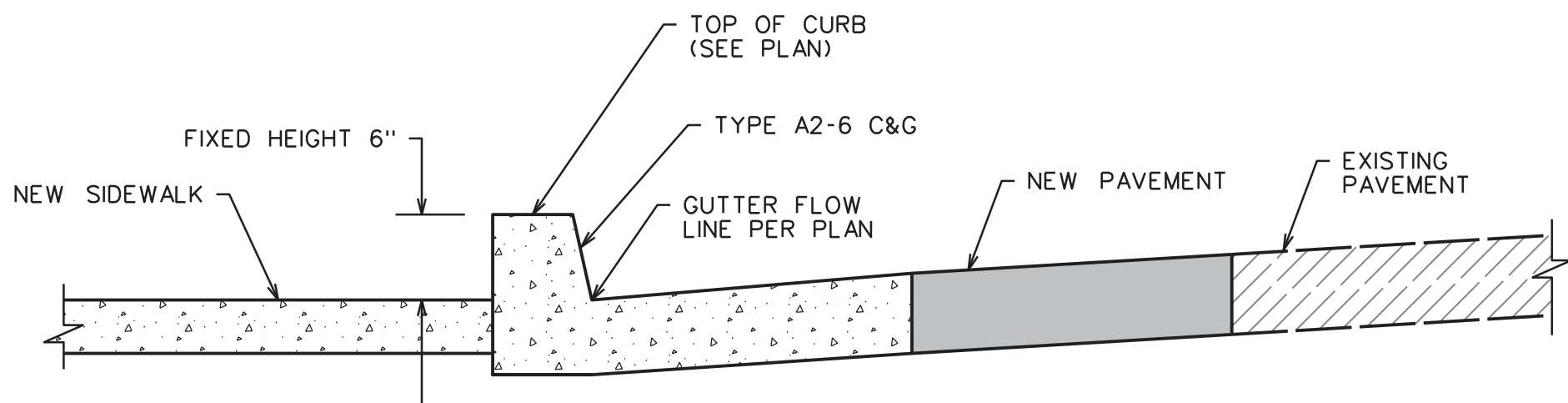


Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SON	116	25.5/27.1	10	17



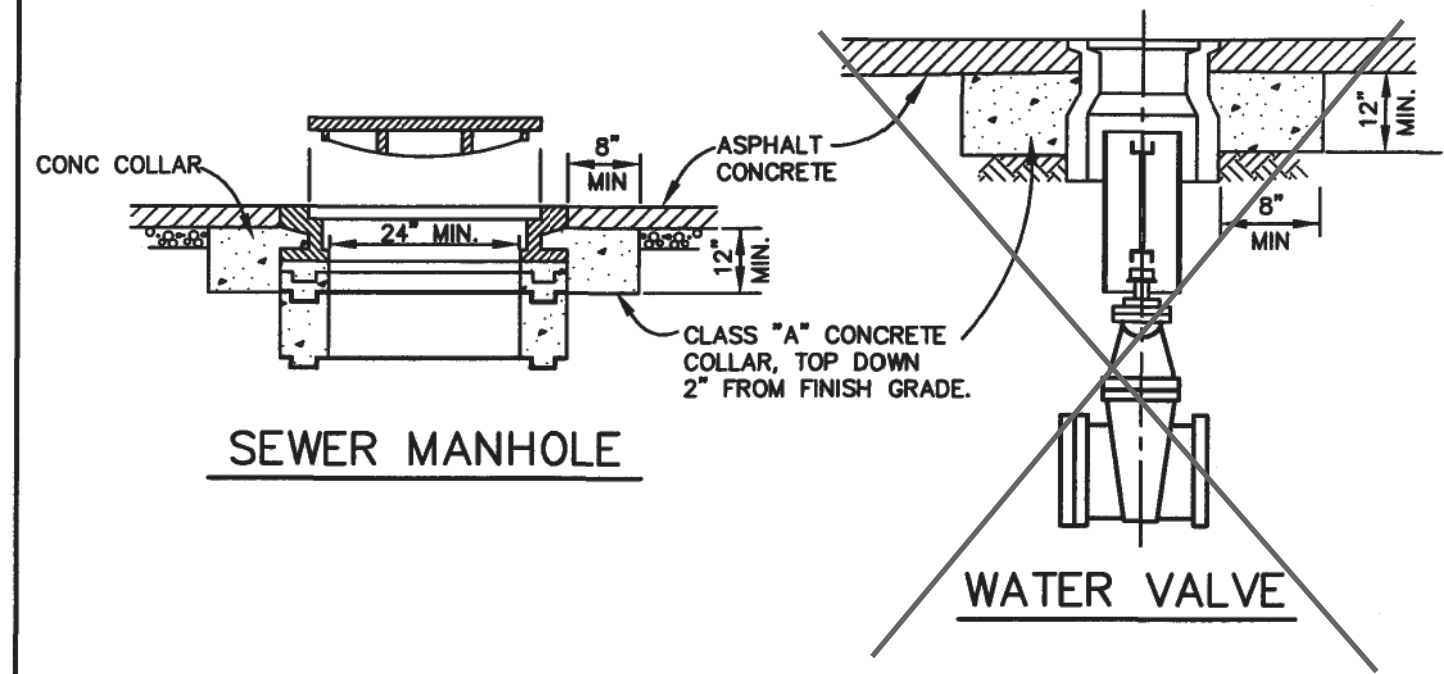
PAVEMENT REPLACEMENT
NO SCALE

1
—



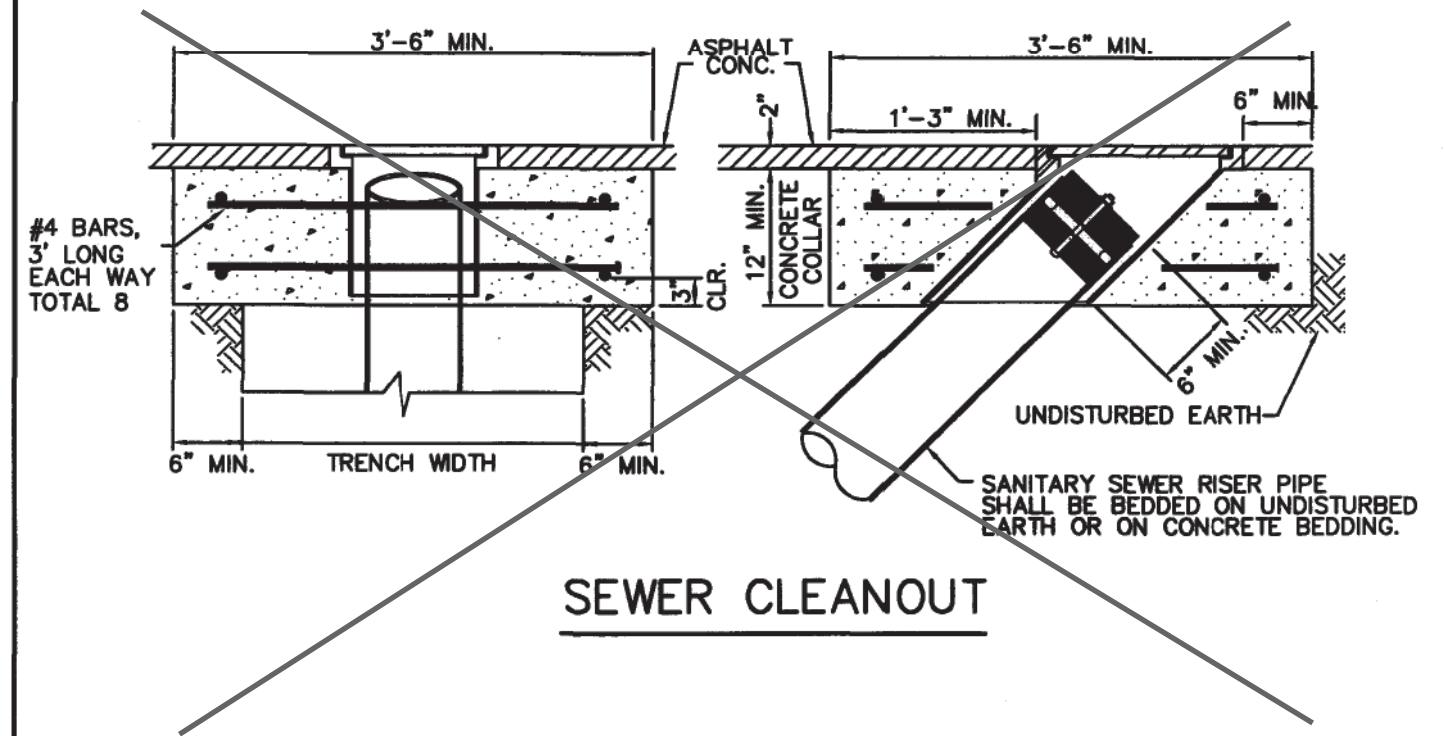
BARRIER CURB
NO SCALE

6
—



SEWER MANHOLE

WATER VALVE



SEWER CLEANOUT



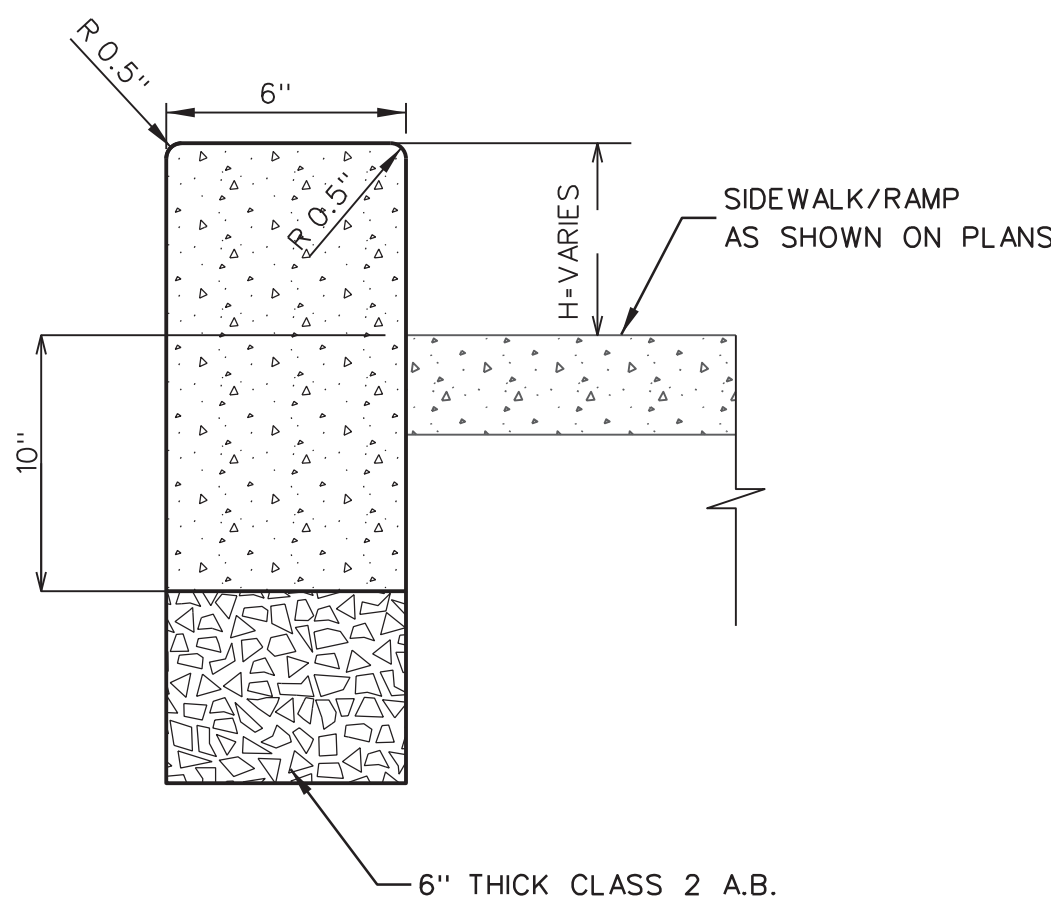
STANDARD MANHOLE, CLEANOUT
& VALVE BOX ADJUSTMENT

STD. NO.
S-7.3

SCALE: NONE DRAWN: MGA CHK: SAL APPVD: PHK DATE: JULY 1998

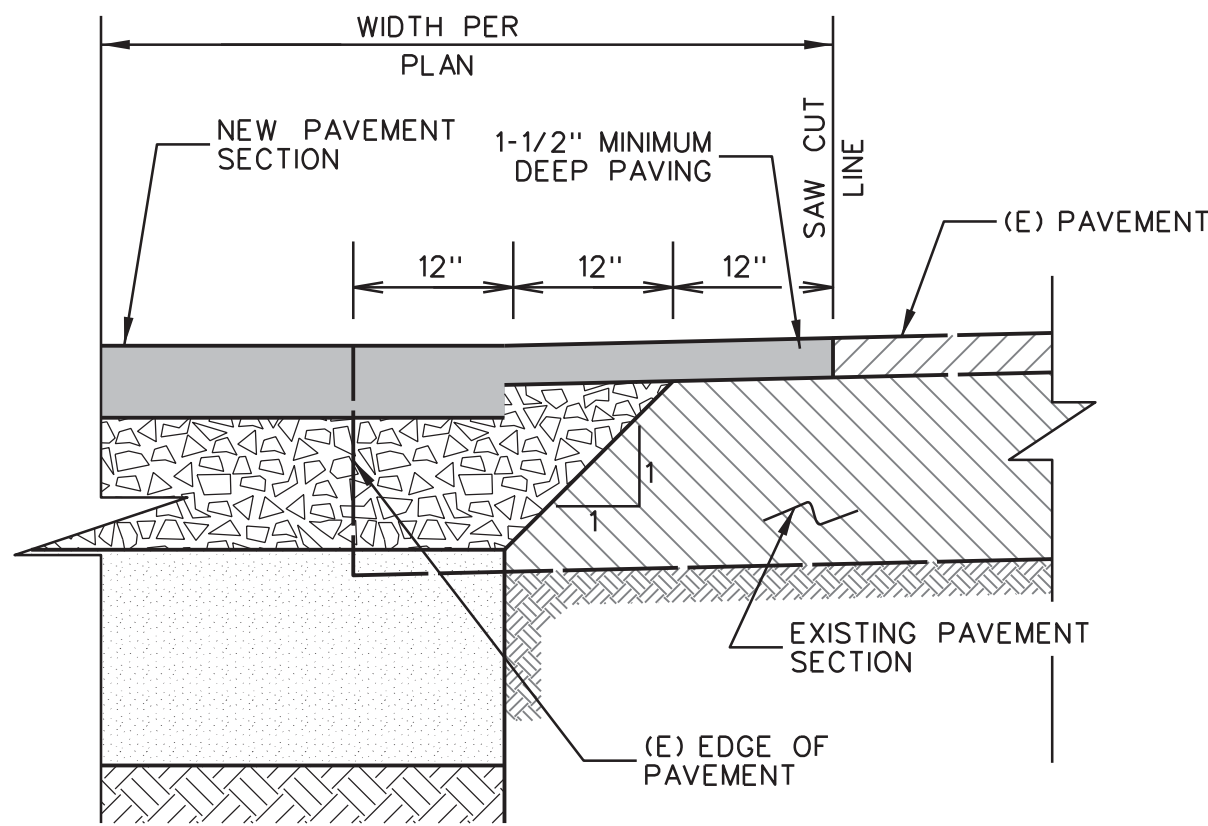
VALVE BOX ADJUSTMENT
NO SCALE

2
—



RETAINING VERTICAL CURB DETAIL
NO SCALE

4
—



PAVEMENT SAW CUT DETAIL
NO SCALE

5
—

REGISTERED PROFESSIONAL ENGINEER
JOHN C. SCROGGS
No. 26388
Exp. 3-31-24
CIVIL
STATE OF CALIFORNIA

PROJECT ENGINEER DATE
REGISTERED CIVIL ENGINEER

7/29/2022

KASL CONSULTING ENGINEERS
7777 GREENBACK LN., STE. 104
CITRUS HEIGHTS, CA 95610



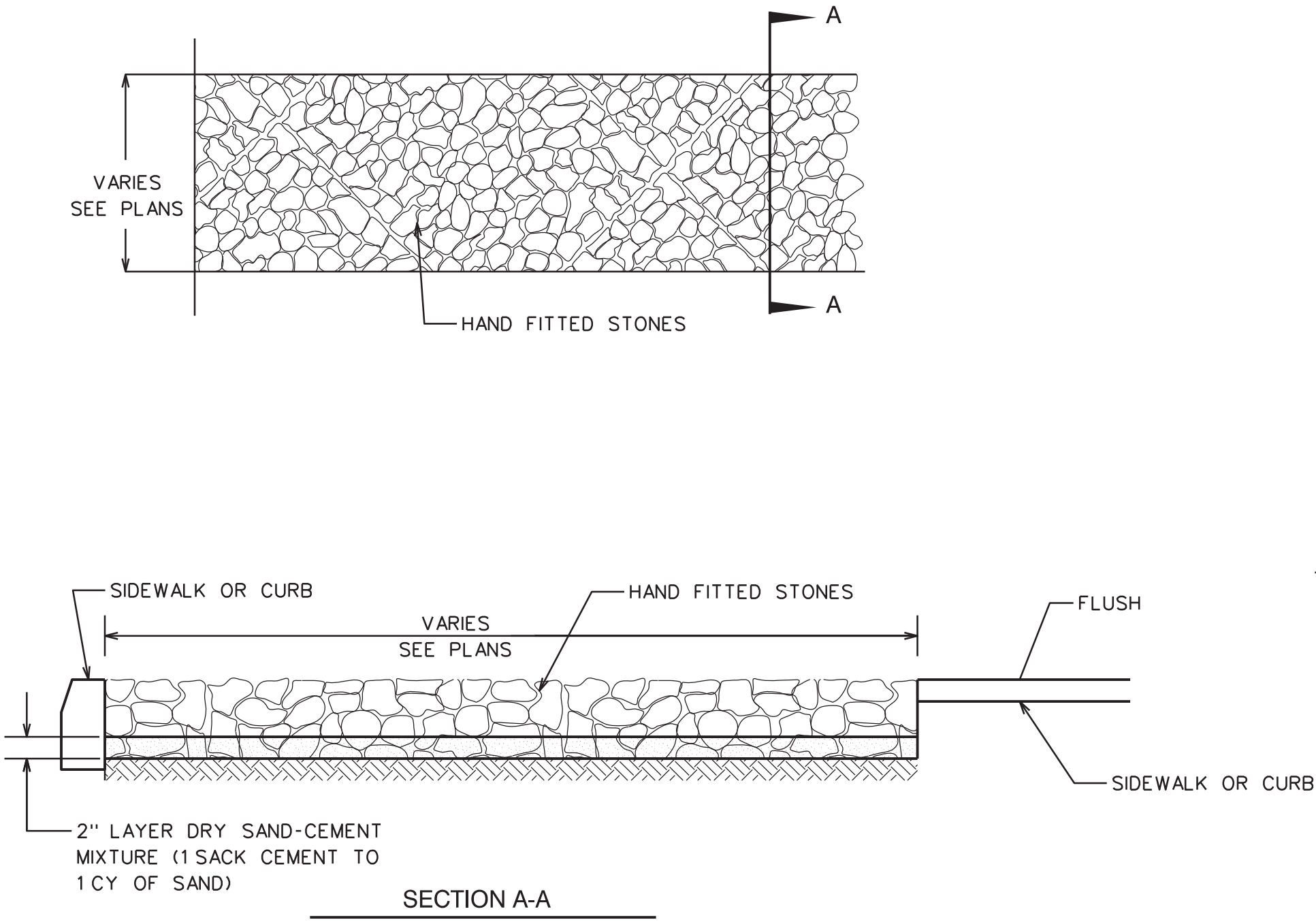
NOT USED
NO SCALE

3
—

RELATIVE BORDER SCALE
IS IN INCHES



DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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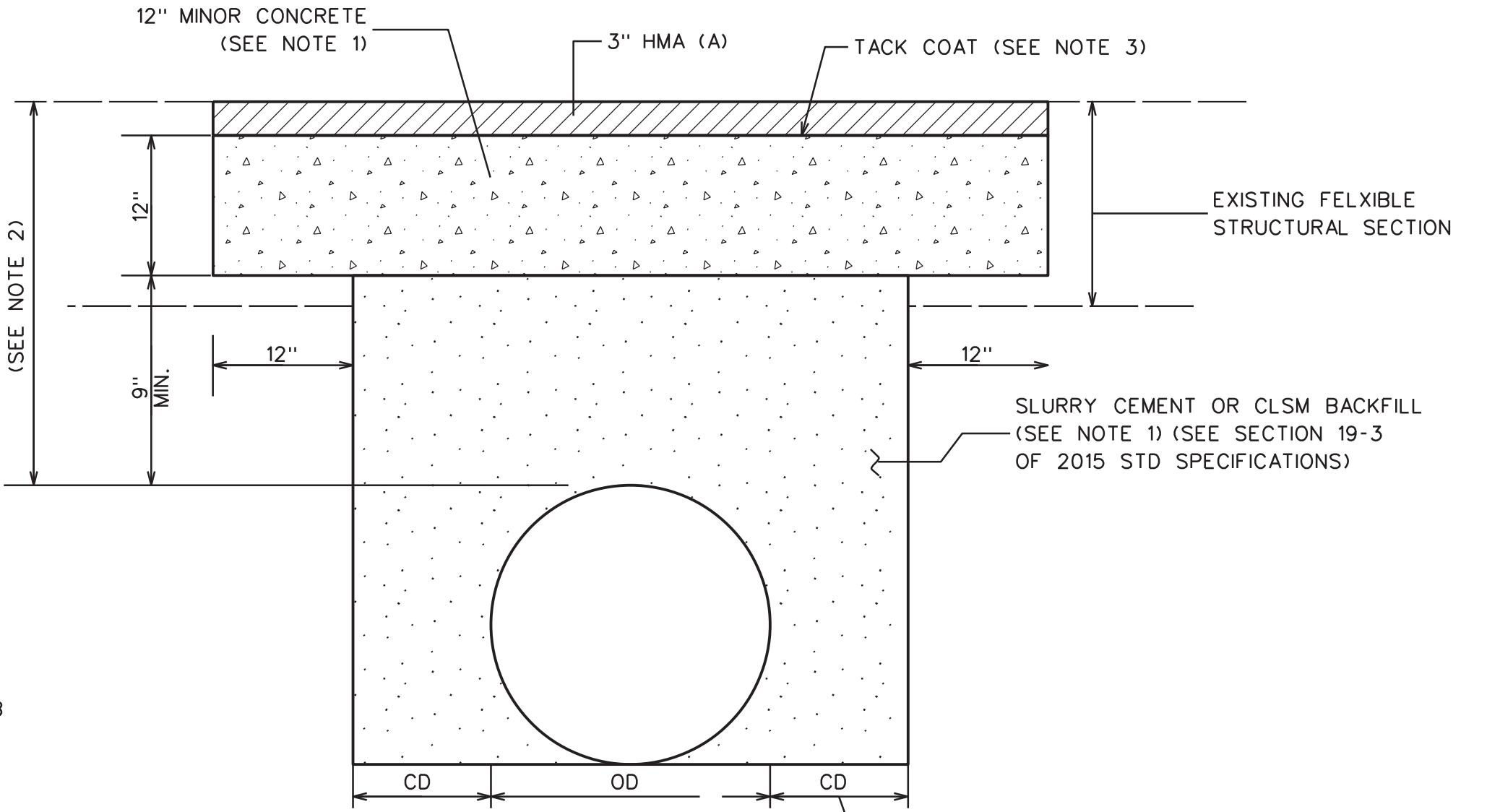


- NOTES:
- HAND FITTED STONES TO MATCH EXISTING PARKWAY IN DOWNTOWN SEBASTOPOL.
 - ALL STONES SHALL BE PAMY STONE COBBLES, UNBROKEN WEATHERED SMOOTH.
 - SIZE RANGE: 3"x3" TO 6"x6" AVERAGE 4"x4".
 - ONCE STONES ARE SET, BRUSH IN ADDITIONAL SAND-CEMENT (EQUIVALENT TO 1" OVER ENTIRE SURFACE) TO FILL VOIDS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

GROUTED COBBLE

NO SCALE

2

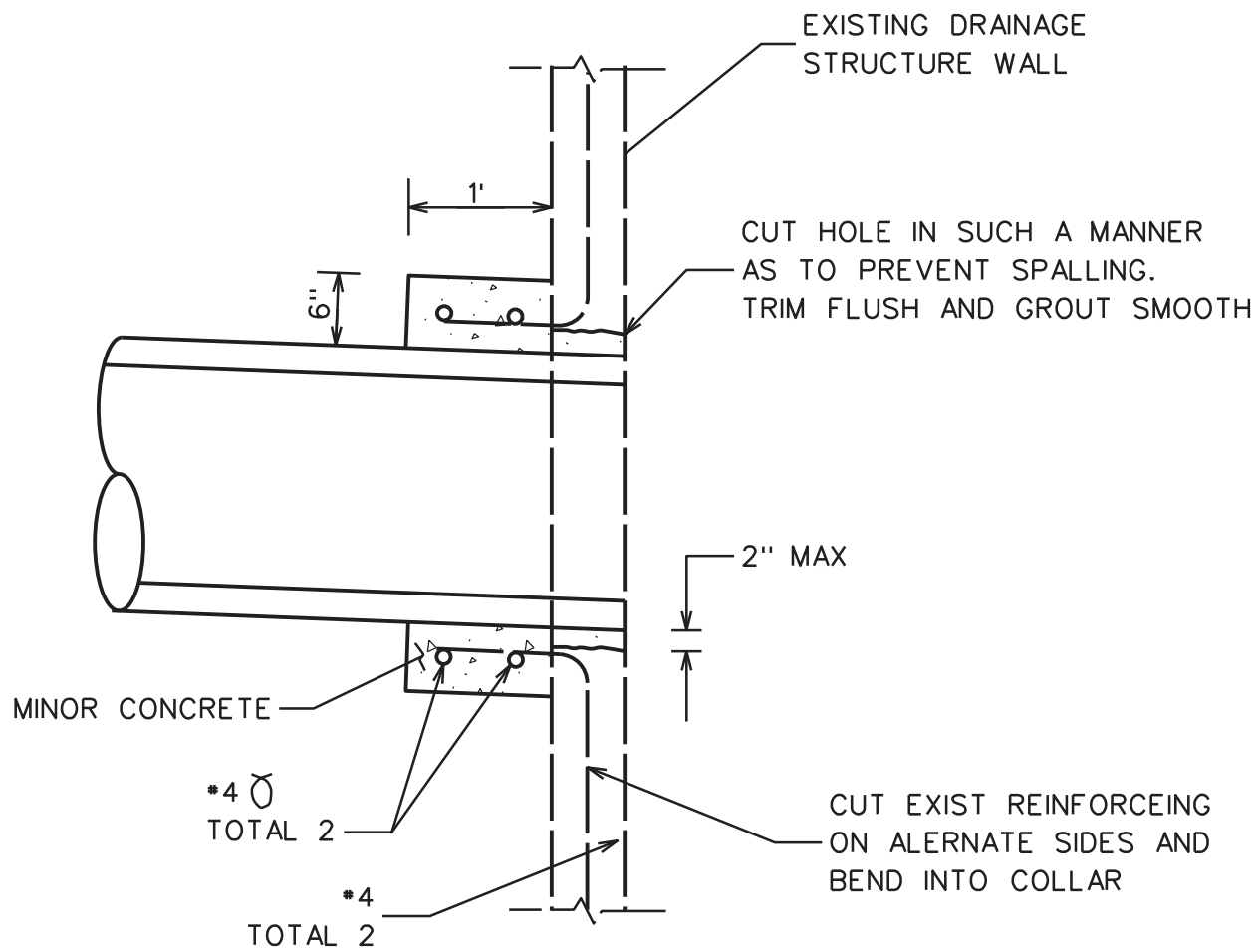


- NOTES
- CONCRETE CAP MAY BE RAPID STRENGTH CONCRETE (RSC). IF RSC IS USED, REPLACE THE SLURRY CEMENT OR CLSM BACKFILL WITH LEAN CONCRETE BACKFILL OR RSC DEPENDING UPON THE PROJECT TIME CONSTRAINTS.
 - FOR NEW INSTALLATIONS, MINIMUM DEPTH OF COVER REQUIREMENTS ARE TO FOLLOW GUIDELINES IN THE ENCROACHMENT 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.
- 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



REGISTERED PROFESSIONAL ENGINEER

JOHN C. SCROGGS

No. 26388

Exp. 3-31-24

CIVIL

STATE OF CALIFORNIA

7/29/2022

DATE

PROJECT ENGINEER

REGISTERED CIVIL ENGINEER

KASL CONSULTING ENGINEERS

7777 GREENBACK LN. STE. 104

CITRUS HEIGHTS, CA 95610

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SON	116	25.5/27.1	12	17



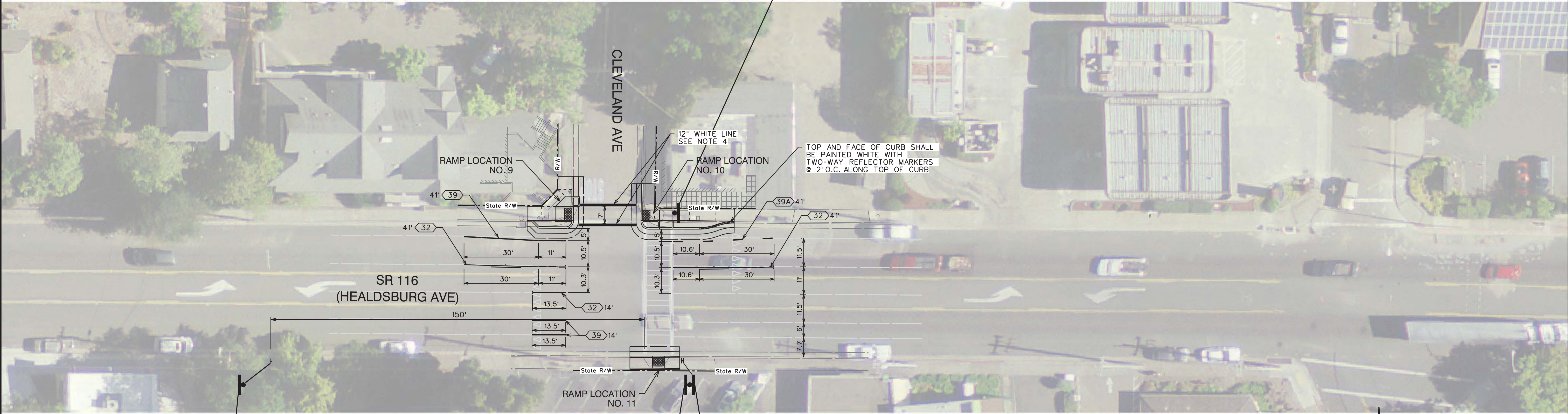
REGISTERED PROFESSIONAL ENGINEER
JOHN C. SCROGGS
No. 26388
Exp. 3-31-24
CIVIL
STATE OF CALIFORNIA

PROJECT ENGINEER DATE 7/29/2022
REGISTERED CIVIL ENGINEER

KASL CONSULTING ENGINEERS
7777 GREENBACK LN., STE. 104
CITRUS HEIGHTS, CA 95610



(W11-2)
(W16-7pL)



(W11-2)
(W16-9P)



(W11-2)
(W16-7pL)

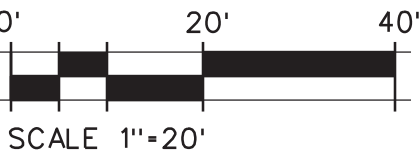


(W11-2)
(W16-7pR)

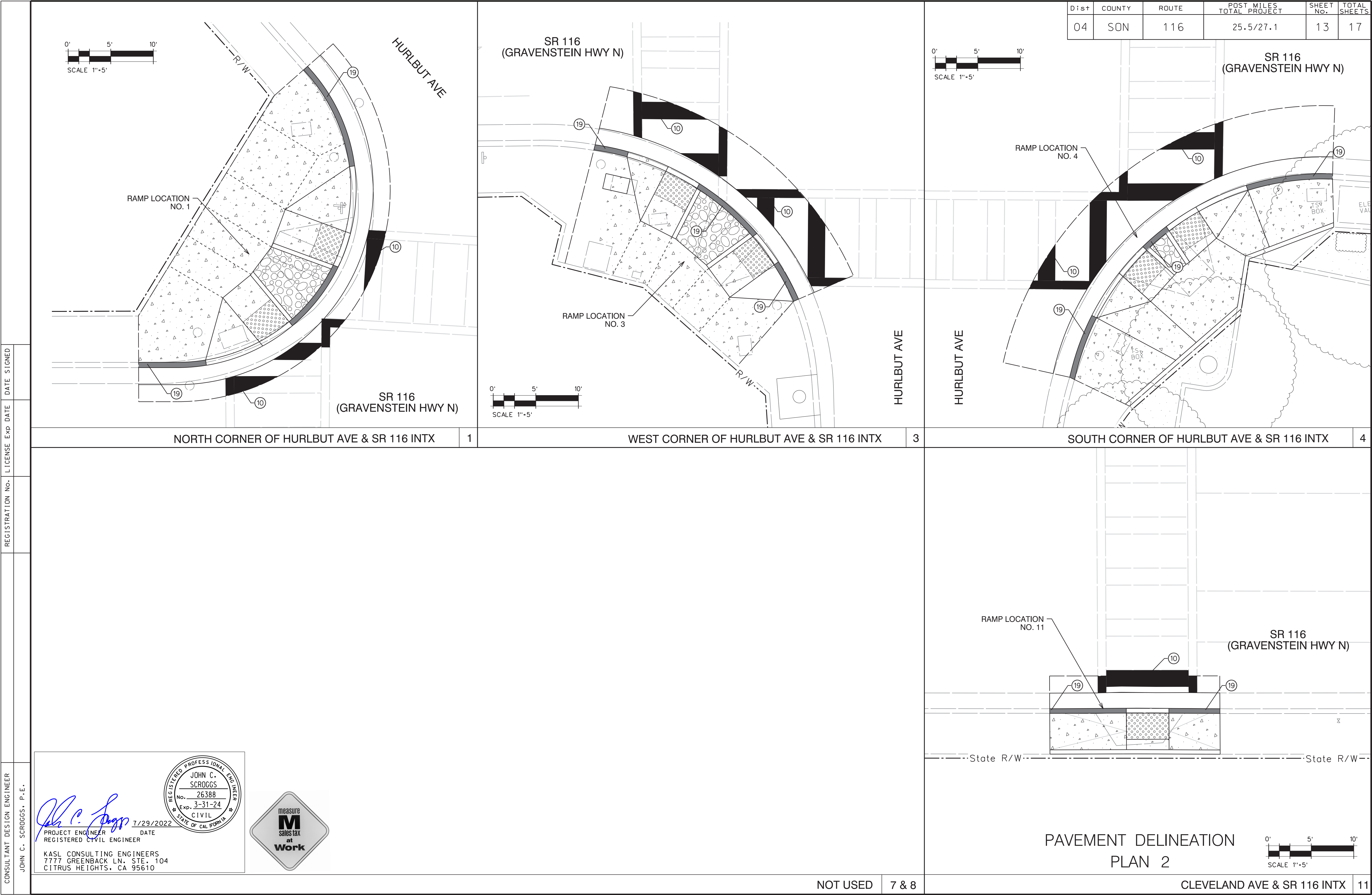
NOTES

- ALL STRIPING SHALL BE INSTALLED PER CALTRANS STANDARD PLANS (2018), CA MUTCD 2014, AND THE DETAILS SHOWN IN THESE PLANS.
- ALL STRIPING AND PAVEMENT MARKINGS SHALL BE THERMOPLASTIC, UNLESS OTHERWISE NOTED.
- REMOVE EXISTING STRIPING WHERE IN CONFLICT WITH NEW STRIPING.
- INSTALL "BASIC" CROSSWALK LINES PER CALTRANS STANDARD PLAN A24F.
- N/A
- N/A
- ALL SIGNS SHALL BE CONVENTIONAL SIZING PER CA MUTCH UNLESS OTHERWISE NOTED.

PAVEMENT DELINEATION AND
SIGNAGE PLAN 1

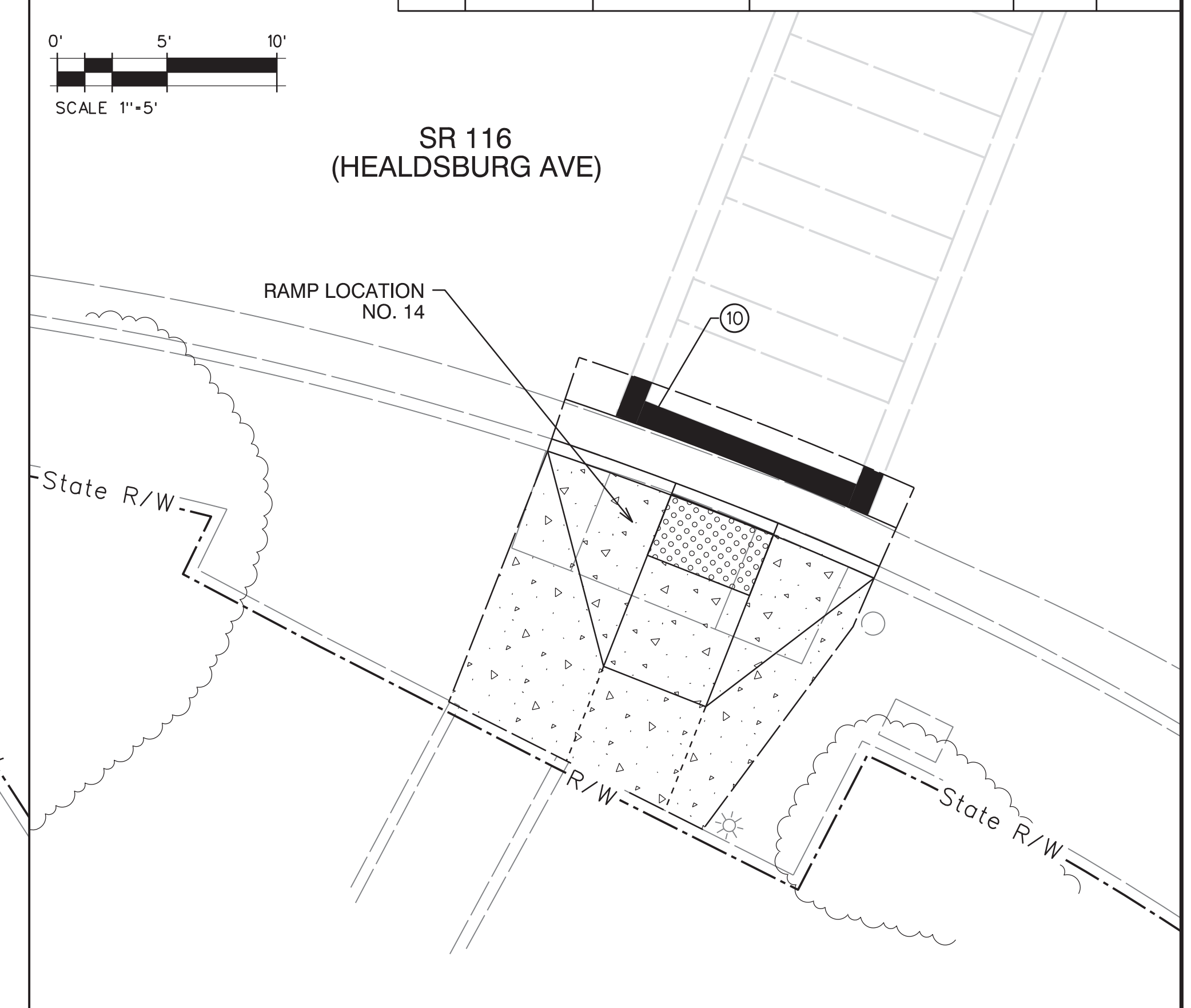
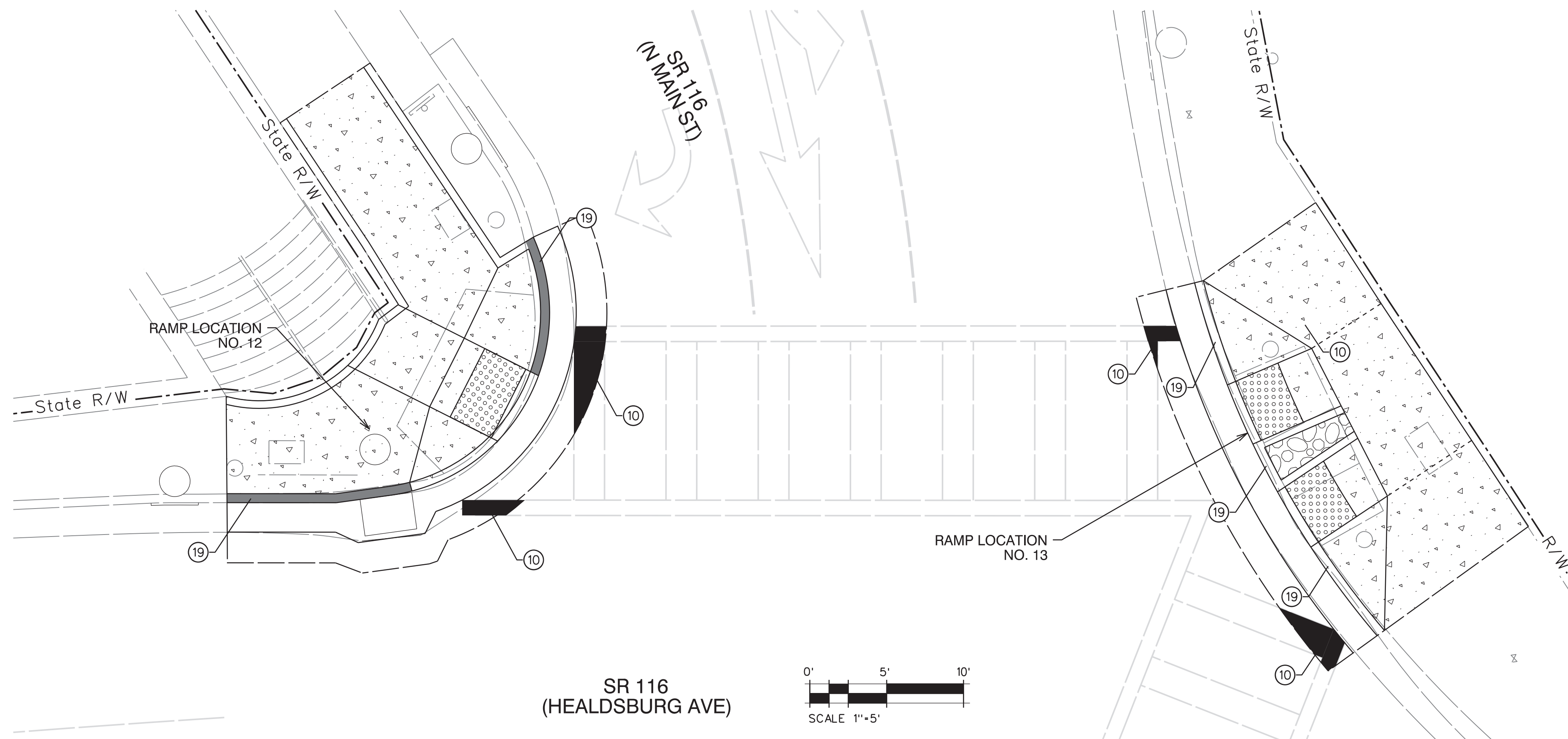
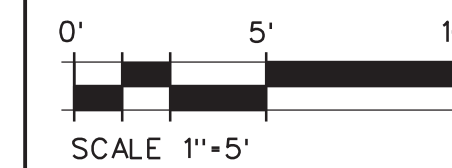


CLEVELAND AVE & SR 116



LAST REVISION
DATE PLOTTED = 6/27/2022
TIME PLOTTED = 2:19:48 PM
SEPT 2018

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SON	116	25.5/27.1	14	17

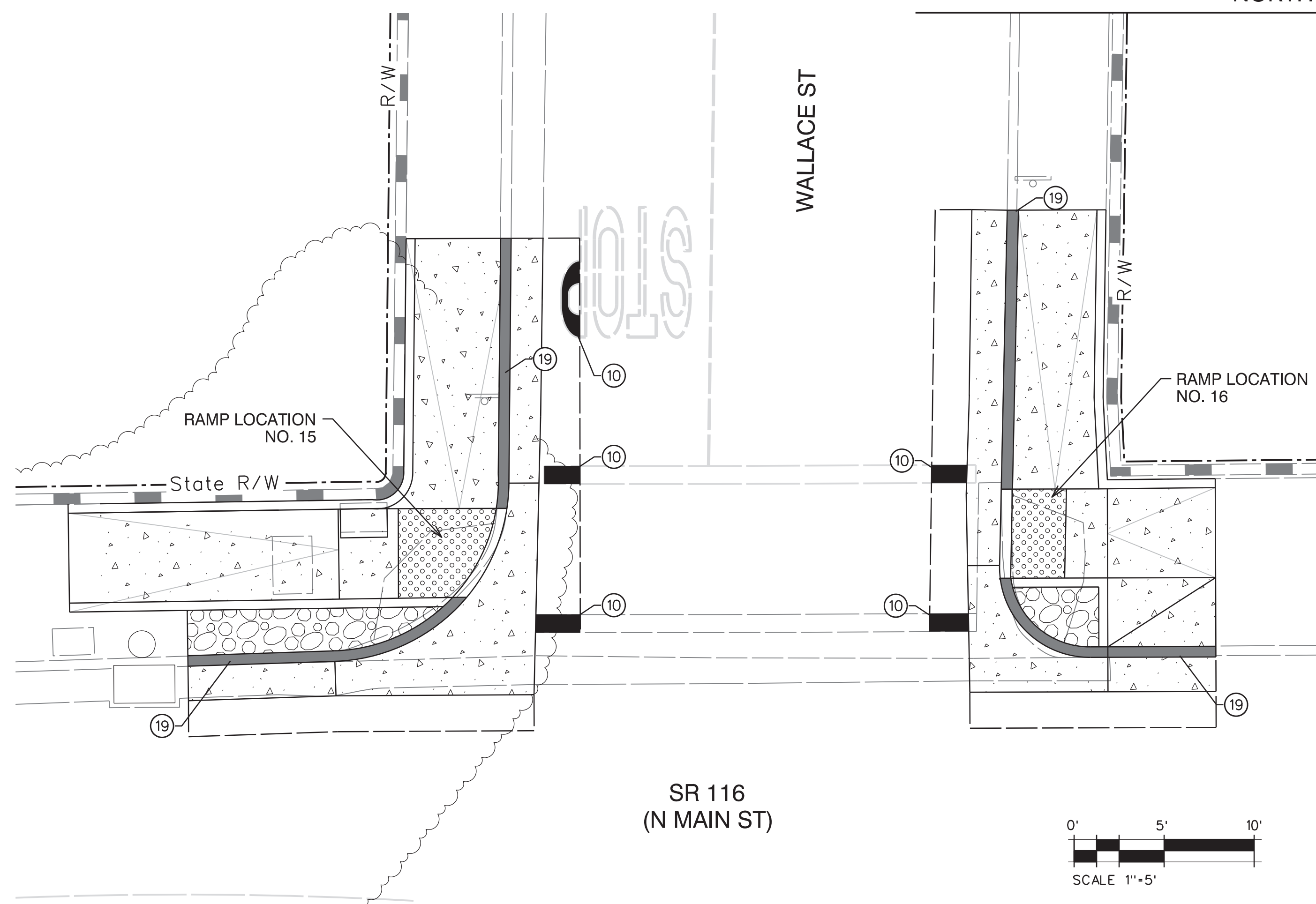


NORTH SIDE OF INTX OF N. MAIN ST. & SR 116

12 & 13

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

14

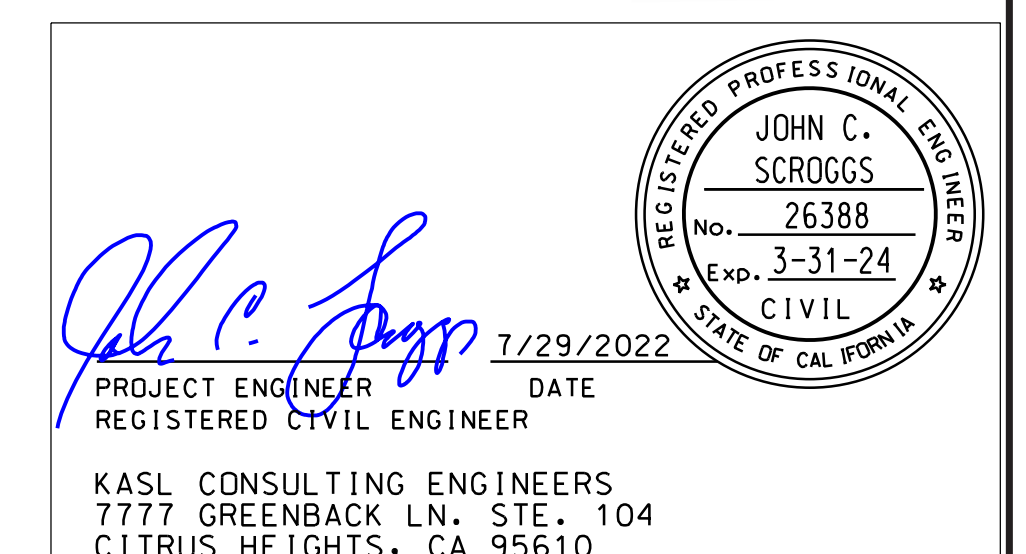


EAST SIDE OF INTX OF WALLACE ST. & SR 116

15 & 16

BUBBLE NOTES

- ⑩ REPLACE PAVEMENT MARKING WITH NEW 12" OR 24" WIDE CROSSWALK STRIPING TO MATCH EXISTING AS REQUIRED
- ⑪ PAINT CURB RED

PAVEMENT DELINEATION
PLAN 3

```

USERNAME = JS
DGN FILE = S:\6840-02 ADA Curb Ramp Upgrade\Plans\14-PAVEMENT DELINEATION

```

RELATIVE BORDER SCALE
ON PLAN IS $\frac{1}{32}$ IN INCHES



STATE HWY 116 ADA SIDEWALK RAMPS

6840-02

DATE PLOTTED = 6/27/2022	TIME PLOTTED = 2:19:49 PM
SEPT 2018	

DATE SIGNED

2/7/2023

LICENSE Exp DATE

6/30/2024

REGISTRATION No.

36435

CONSULTANT DESIGN ENGINEER

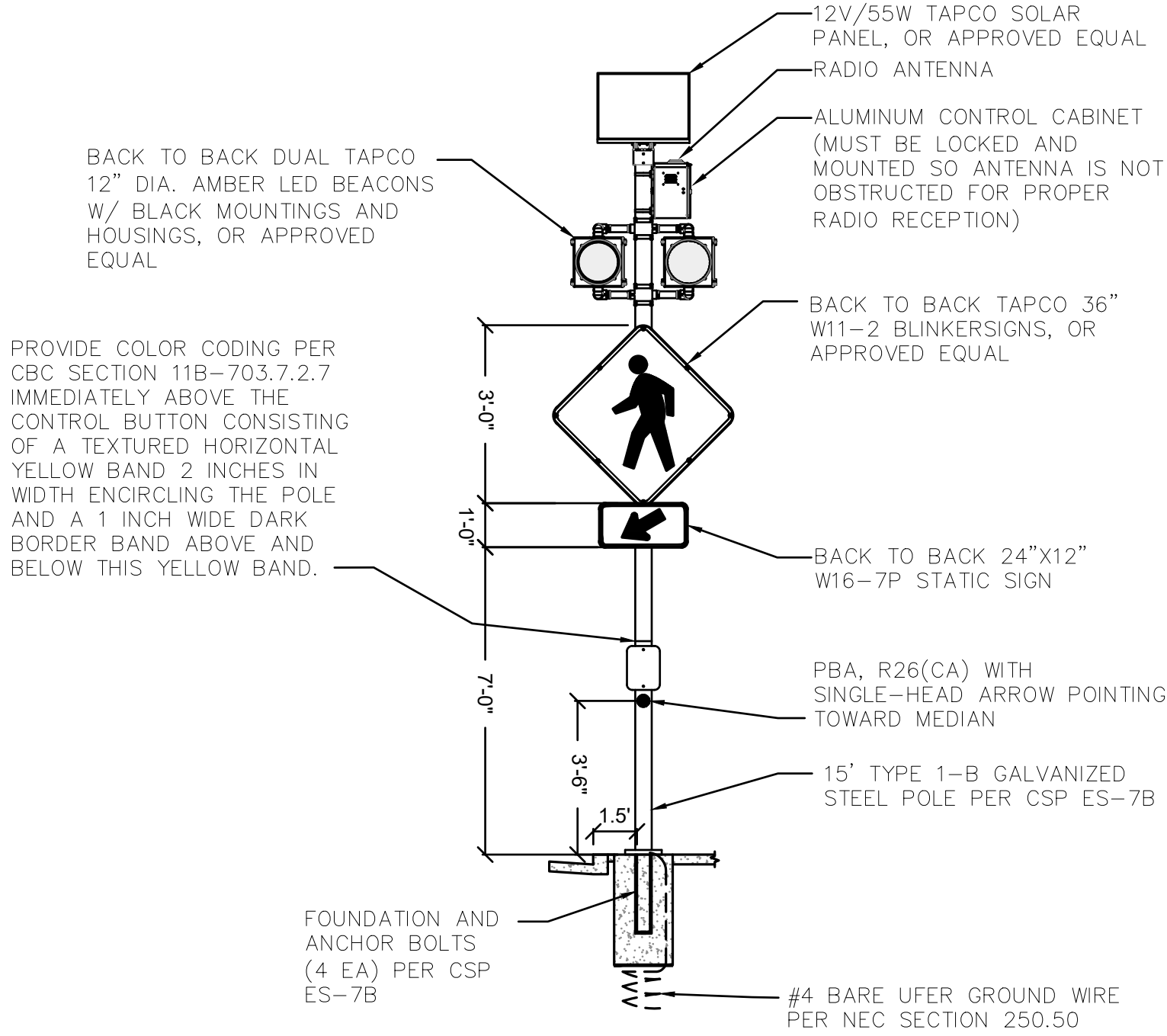
STEVEN FITZSIMONS, P.E.

GENERAL NOTES: (APPLIES TO SHEETS 15 AND 16)

1. WORK SHOWN ON THIS SHEET IS ACCURATE FOR PEDESTRIAN ACTIVATED WARNING BEACON (PAWB), SIGNING, AND STRIPING WORK ONLY.
2. ALL MATERIAL, WORKMANSHIP, AND CONSTRUCTION SHALL CONFORM TO THE CITY OF SEBASTOPOL STREET STANDARDS, THE 2018 CALTRANS STANDARD PLANS (CSP) AND SPECIFICATIONS, AND THE 2014 CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA-MUTCD) LATEST REVISION.
3. 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.
4. 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.
5. CONTRACTOR SHALL MARK POLE LOCATIONS AND HAVE THEM VERIFIED BY THE CITY ENGINEER PRIOR TO INSTALLATION.
6. CONTRACTOR SHALL VERIFY OVERHEAD CLEARANCE WITH UTILITY COMPANIES PRIOR TO CONSTRUCTION.
7. CONTRACTOR SHALL PROVIDE ALL EQUIPMENT NECESSARY FOR COMPLETE SOLAR POWERED PAWB OPERATING SYSTEM.
8. THE PUSH BUTTON SHALL BE THE AUDIBLE TYPE CONFORMING TO CALTRANS ADA REQUIREMENTS, POLARA BULLDOG MODEL OR APPROVED EQUAL.
9. PAWB SHALL BE THE TAPCO BLINKERBEACON OR APPROVED EQUAL. PAWB SYSTEM SHALL OPERATE ON SOLAR POWER WITH BATTERY.
10. LIGHTED PEDESTRIAN CROSSING SIGNS SHALL BE THE TAPCO BLINKERSIGN 36"x36" OR APPROVED EQUAL. SYSTEM SHALL OPERATE ON SOLAR POWER WITH BATTERY.
11. CONTROLLER SHALL BE TAPCO OR APPROVED EQUAL AND OPERATE ON SOLAR POWER WITH BATTERY.
12. ALL PAVEMENT MARKINGS AND STRIPING ARE TO BE THERMOPLASTIC, UNLESS OTHERWISE NOTED ON PLANS.

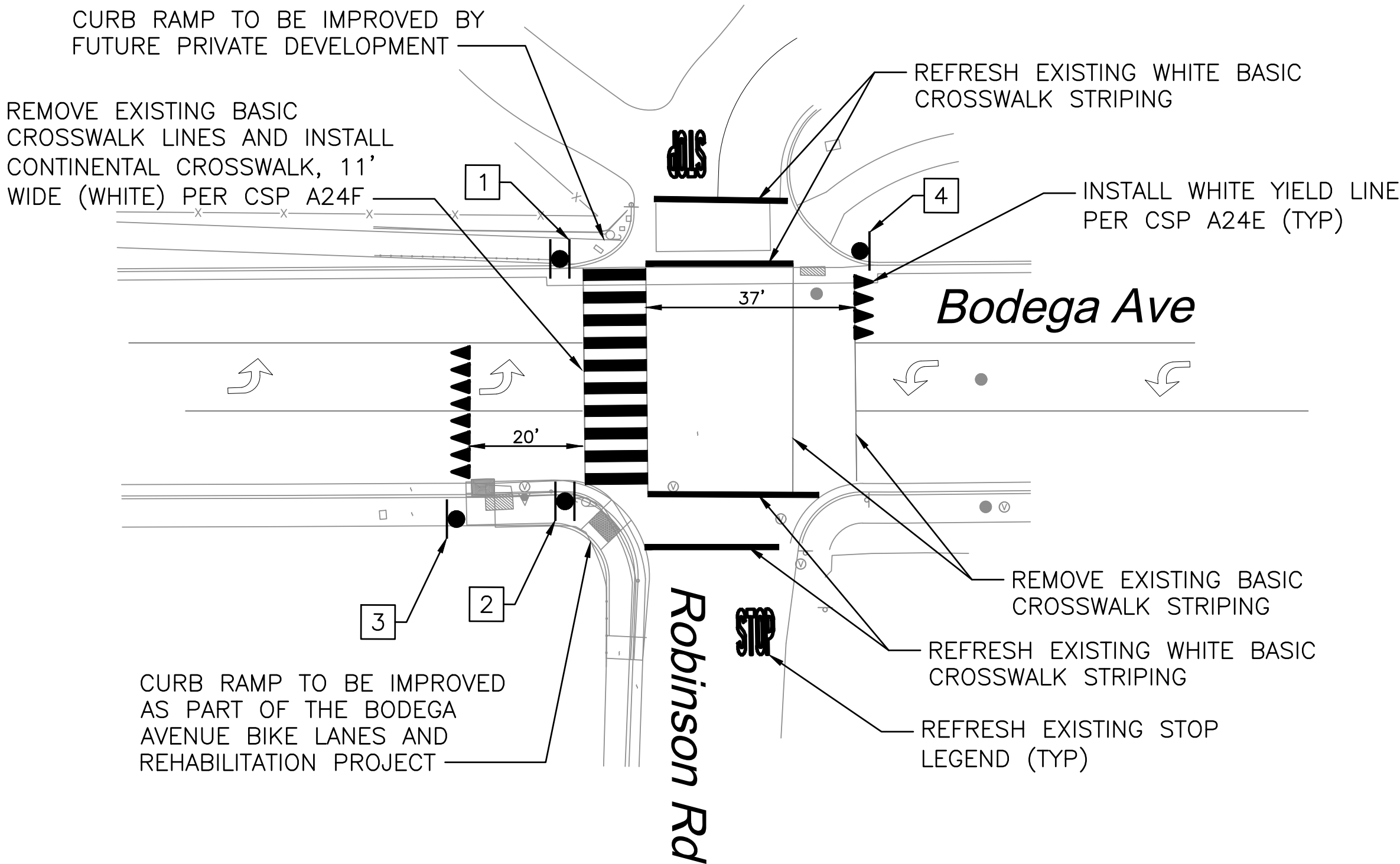
PROJECT NOTES: (THIS SHEET ONLY)

1. INSTALL PAWB ASSEMBLY WITH CONTROLLER, SOLAR PANEL, FLASHING SIGNS, AND BEACONS ON BOTH SIDES OF 15' TALL TYPE 1-B POLE. SEE DETAIL A, THIS SHEET. INSTALL SINGLE PBA ON EAST SIDE OF POLE FACING CROSSWALK. W16-7P ARROWS SHALL POINT TOWARD BODEGA AVENUE CENTERLINE. FACE OF POLE SHALL BE 18" OFF FACE OF CURB.INSTALL 25 FEET OF #4 BARE UFER GROUND WIRE, BOND TO GROUNDING LUG OR ANCHOR BOLT. COIL AGAINST SOIL AT BASE OF FOUNDATION IN 12-INCH (MIN) RADIUS. CONFORM TO NEC SECTION 250.50 REQUIREMENTS.
2. REMOVE AND DISPOSE OF EXISTING BEACON AND POLE AND INSTALL PAWB ASSEMBLY WITH CONTROLLER, SOLAR PANEL, FLASHING SIGNS, AND BEACONS ON BOTH SIDES OF 15' TALL TYPE 1-B POLE. SEE DETAIL A, THIS SHEET. INSTALL SINGLE PBA ON EAST SIDE OF POLE FACING CROSSWALK. W16-7P ARROWS SHALL POINT TOWARD BODEGA AVENUE CENTERLINE. FACE OF POLE SHALL BE 18" OFF FACE OF CURB.INSTALL 25 FEET OF #4 BARE UFER GROUND WIRE, BOND TO GROUNDING LUG OR ANCHOR BOLT. COIL AGAINST SOIL AT BASE OF FOUNDATION IN 12-INCH (MIN) RADIUS. CONFORM TO NEC SECTION 250.50 REQUIREMENTS.
3. INSTALL R1-5 SIGN ON 2" GALVANIZED IRON PIPE POST. FOUNDATION FOR SIGN POST SHALL BE PER CITY OF SEBASTOPOL STREET STANDARD R-5.2. INSTALL SIGN AT BACK OF SIDEWALK.
4. INSTALL R1-5 SIGN ON 2" GALVANIZED IRON PIPE POST. FOUNDATION FOR SIGN POST SHALL BE PER CITY OF SEBASTOPOL STREET STANDARD R-5.2. INSTALL SIGN IN LANDSCAPED AREA.



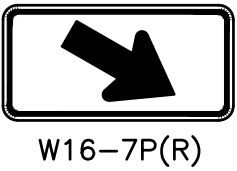
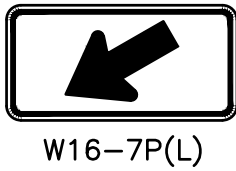
DETAIL A: PEDESTRIAN ACTIVATED WARNING BEACON (PAWB) ASSEMBLY WITH CONTROLLER ON TYPE 1-B

NOT TO SCALE



LEGEND

- NEW PAWB DOUBLE-SIDED
- NEW SIGN
- EXISTING STRIPING TO REMAIN
- NEW OR REFRESHED STRIPING
- STRIPING TO BE REMOVED

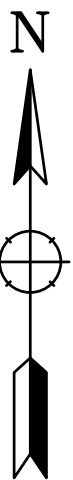


SIGN LEGEND

PAWB ASSEMBLY QUANTITIES	
COMPONENT	QUANTITY
ROUND FLASHERS	8
PUSH BUTTON ASSEMBLY	2
CONTROLLER	2
SOLAR PANEL	2
TYPE I-B POLE	2

NEW STRIPING QUANTITIES	
DETAIL	QUANTITY
12" WHITE STRIPE	320 LF
WHITE PAVEMENT MARKINGS	90 SF

NEW SIGNING QUANTITIES	
SIGN	QUANTITY
W11-2 (BLINKER)	4
W16-7P(R)	2
W16-7P(L)	2
R1-5	2



0 20' 40'

SCALE: 1"=20'

Work at Your Own Risk

M

MEASURE

DIGALERT

UNDERGROUND SERVICE ALERT

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

811

DESIGNED BY CJN/SMF

CHECKED BY SJW

STEVEN M. FITZSIMONS

STEVEN FITZSIMONS, R.C.E. NO. 36435

REGISTERED PROFESSIONAL ENGINEER

STEVEN M. FITZSIMONS

C036435

CIVIL

STATE OF CALIFORNIA

DRAWN BY CJN

2/7/2023

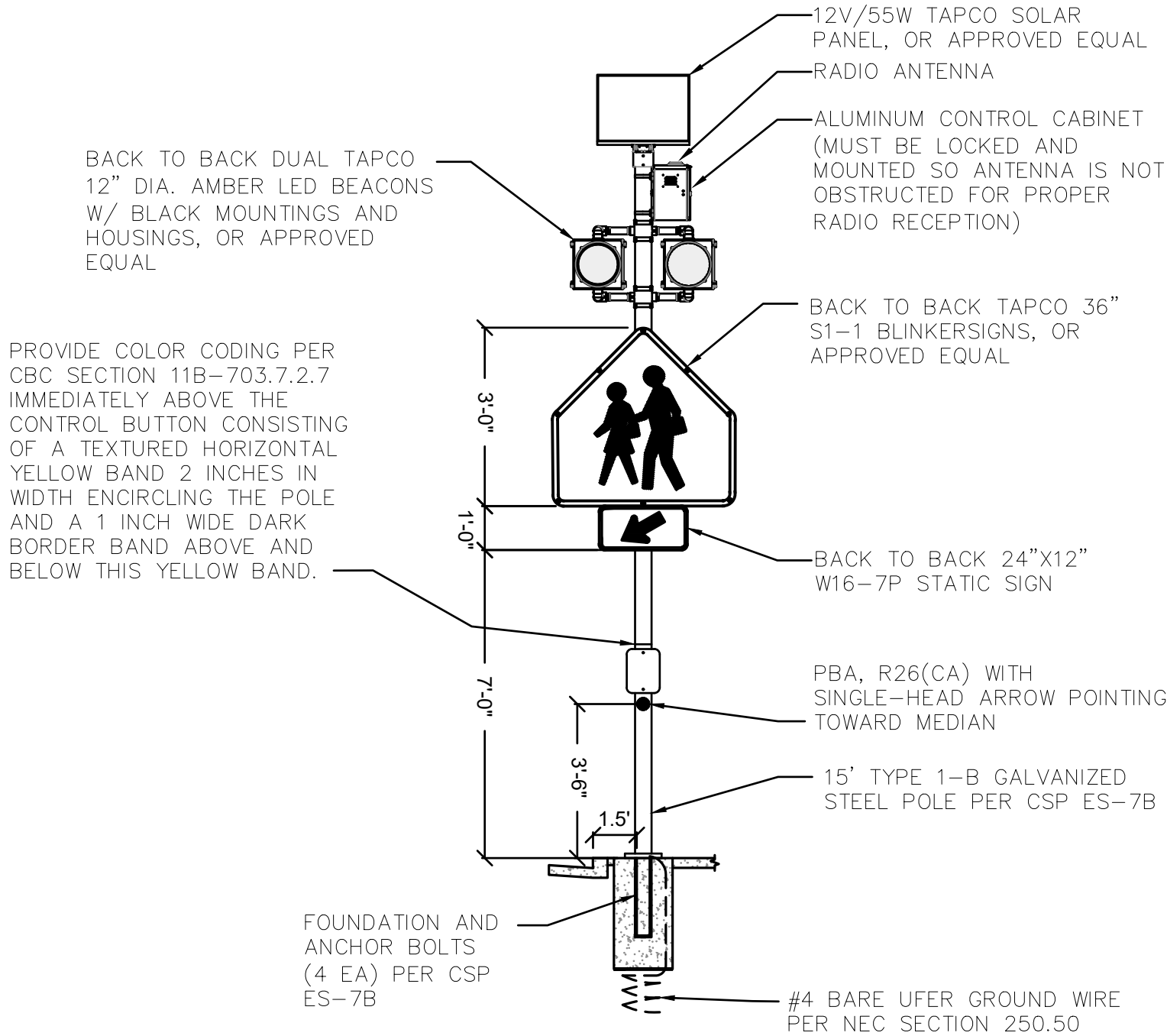
DATE

W-Trans

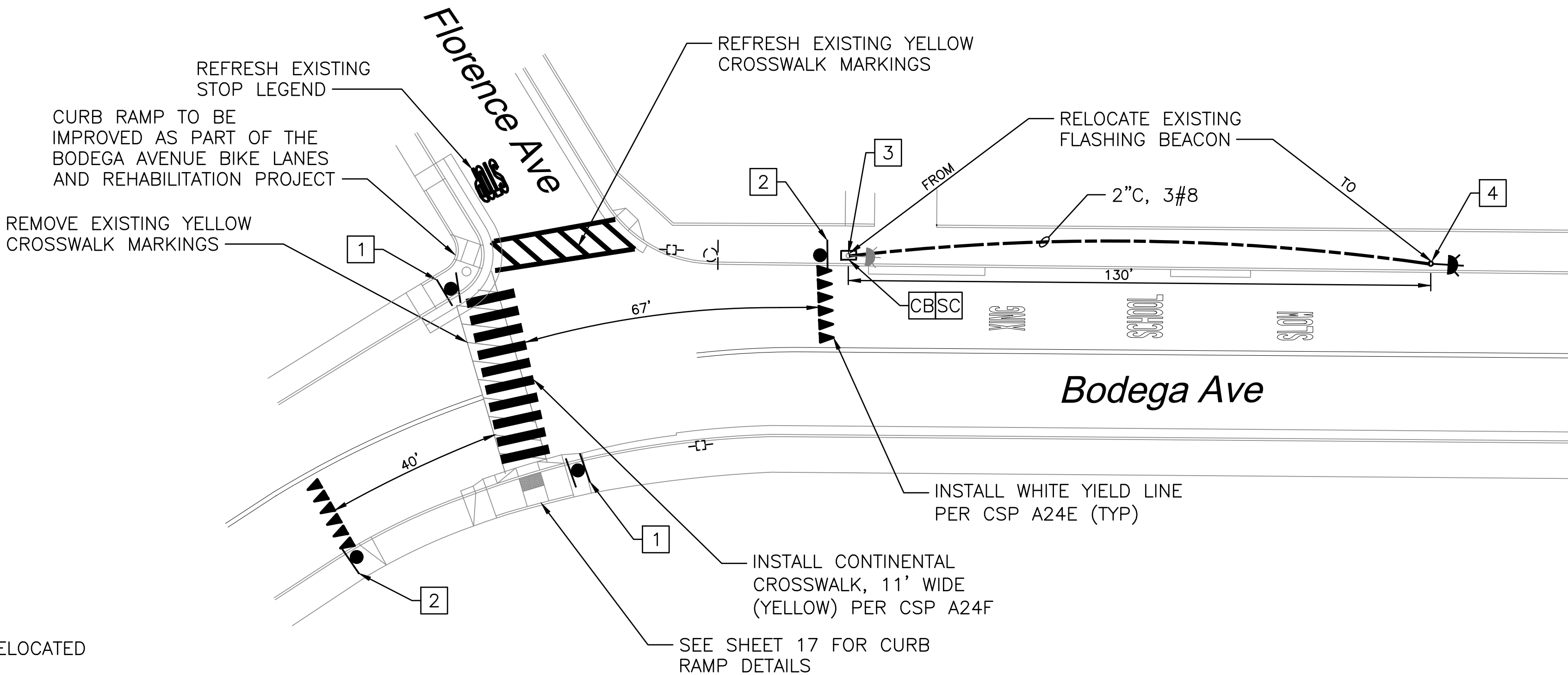
490 Mendocino Avenue, Suite 201 Santa Rosa, CA 95401 (707) 542-9500 Fax (707) 542-9590

PROJECT NOTES: (THIS SHEET ONLY)

- 1
- INSTALL PAWB ASSEMBLY WITH CONTROLLER, SOLAR PANEL, FLASHING SIGNS, AND BEACONS ON BOTH SIDES OF 15' TALL TYPE 1-B POLE. SEE DETAIL A, THIS SHEET. INSTALL SINGLE PBA ON SIDE OF POLE FACING CROSSWALK. W16-7P ARROWS SHALL POINT TOWARD BODEGA AVENUE CENTERLINE. FACE OF POLE SHALL BE 18" OFF FACE OF CURB. INSTALL 25 FEET OF #4 BARE UFER GROUND WIRE, BOND TO GROUNDING LUG OR ANCHOR BOLT. COIL AGAINST SOIL AT BASE OF FOUNDATION IN 12-INCH (MIN) RADIUS. CONFORM TO NEC SECTION 250.50 REQUIREMENTS.
- 2
- INSTALL R1-5 SIGN ON 2" GALVANIZED IRON PIPE POST. FOUNDATION FOR SIGN POST SHALL BE PER CITY OF SEBASTOPOL STREET STANDARD R-5.2.
- 3
- RELOCATE EXISTING FLASHING BEACON 130 FEET TO THE EAST. SAWCUT EXISTING SIDEWALK AT NEAREST SCORE LINES AND REPLACE ENTIRE SIDEWALK FLAG. INSTALL NO. 5 PULL BOX AT SAME LOCATION ON TOP OF EXISTING CONDUIT RISER. DISCONNECT CONDUCTORS FROM EXISTING BEACON AND COIL THEM IN THE NEW PULL BOX.
- 4
- INSTALL NEW TYPE 1 FOUNDATION. MATCH ANCHOR BOLT DIMENSIONS AND ORIENTATION TO EXISTING INSTALLATION. INSTALL RELOCATED TYPE 1 POLE, SIGN, AND FLASHER.

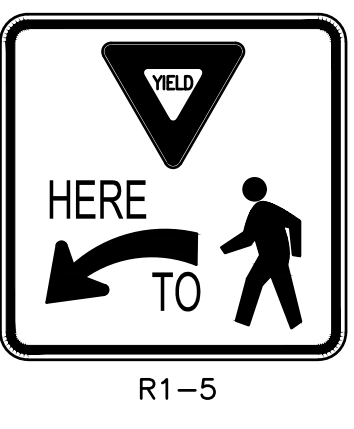
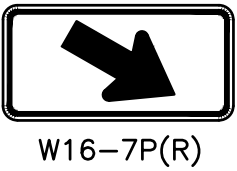
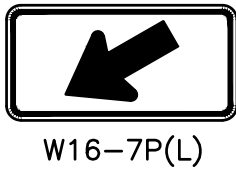
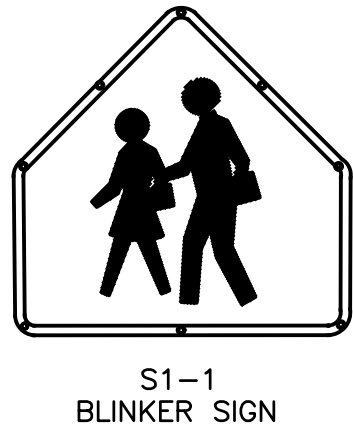


DETAIL A: PEDESTRIAN ACTIVATED WARNING BEACON (PAWB) ASSEMBLY WITH CONTROLLER ON TYPE 1-B
NOT TO SCALE



LEGEND

-
- EXISTING FLASHER TO BE RELOCATED
-
- NEW LOCATION OF EXISTING FLASHER
-
- EXISTING SIGN TO REMAIN
-
- NEW PAWB DOUBLE-SIDED
-
- NEW SIGN
-
- EXISTING STRIPING TO REMAIN
-
- NEW OR REFRESHED STRIPING
-
- STRIPING TO BE REMOVED
-
- EXISTING UTILITY POLE TO REMAIN

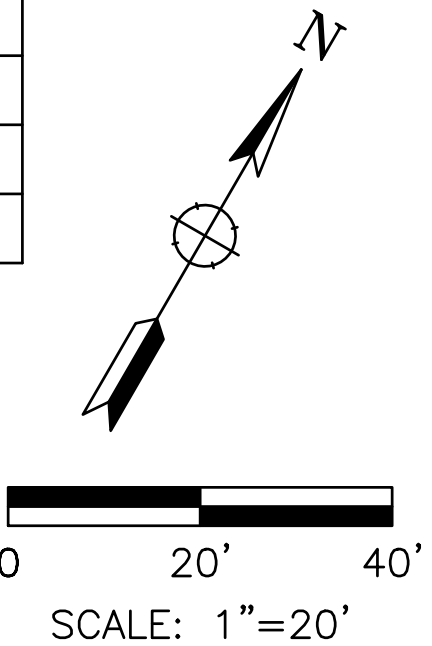


SIGN LEGEND

PAWB ASSEMBLY QUANTITIES	
COMPONENT	QUANTITY
ROUND FLASHERS	8
PUSH BUTTON ASSEMBLY	2
CONTROLLER	2
SOLAR PANEL	2
TYPE I-B POLE & FOUNDATION	2

NEW STRIPING QUANTITIES	
DETAIL	QUANTITY
12" YELLOW STRIPE	330 LF
WHITE PAVEMENT MARKINGS	58 SF

NEW SIGNING QUANTITIES	
SIGN	QUANTITY
S1-1 (BLINKER)	4
W16-7P(R)	2
W16-7P(L)	2
R1-5	2



UNDERGROUND SERVICE ALERT
DIAL TOLL FREE
1-800-227-2600
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AT LEAST TWO WORKING DAYS
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DESIGNED BY
CJN/SMF

CHECKED BY
SJW

DRAWN BY
CJN

W-Trans
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Santa Rosa, CA 95401
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STEVEN M. FITZSIMONS
STEVEN FITZSIMONS, R.C.E. NO. 36435

2/7/2023
DATE

