

STREET REHABILITATION OF RODEO AVENUE IN THE CITY OF SAUSALITO MARIN COUNTY, CA

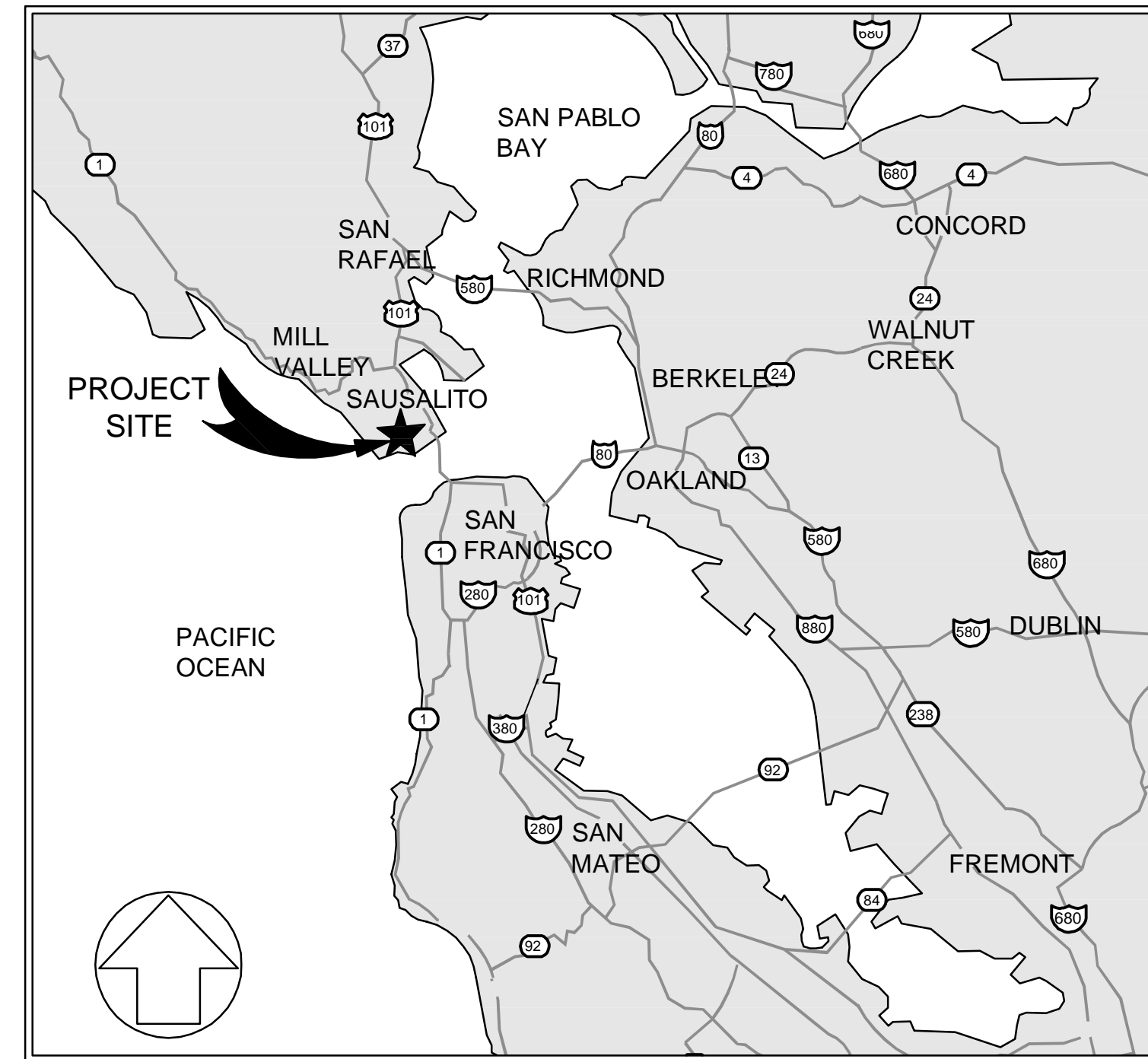


GENERAL PROJECT NOTES

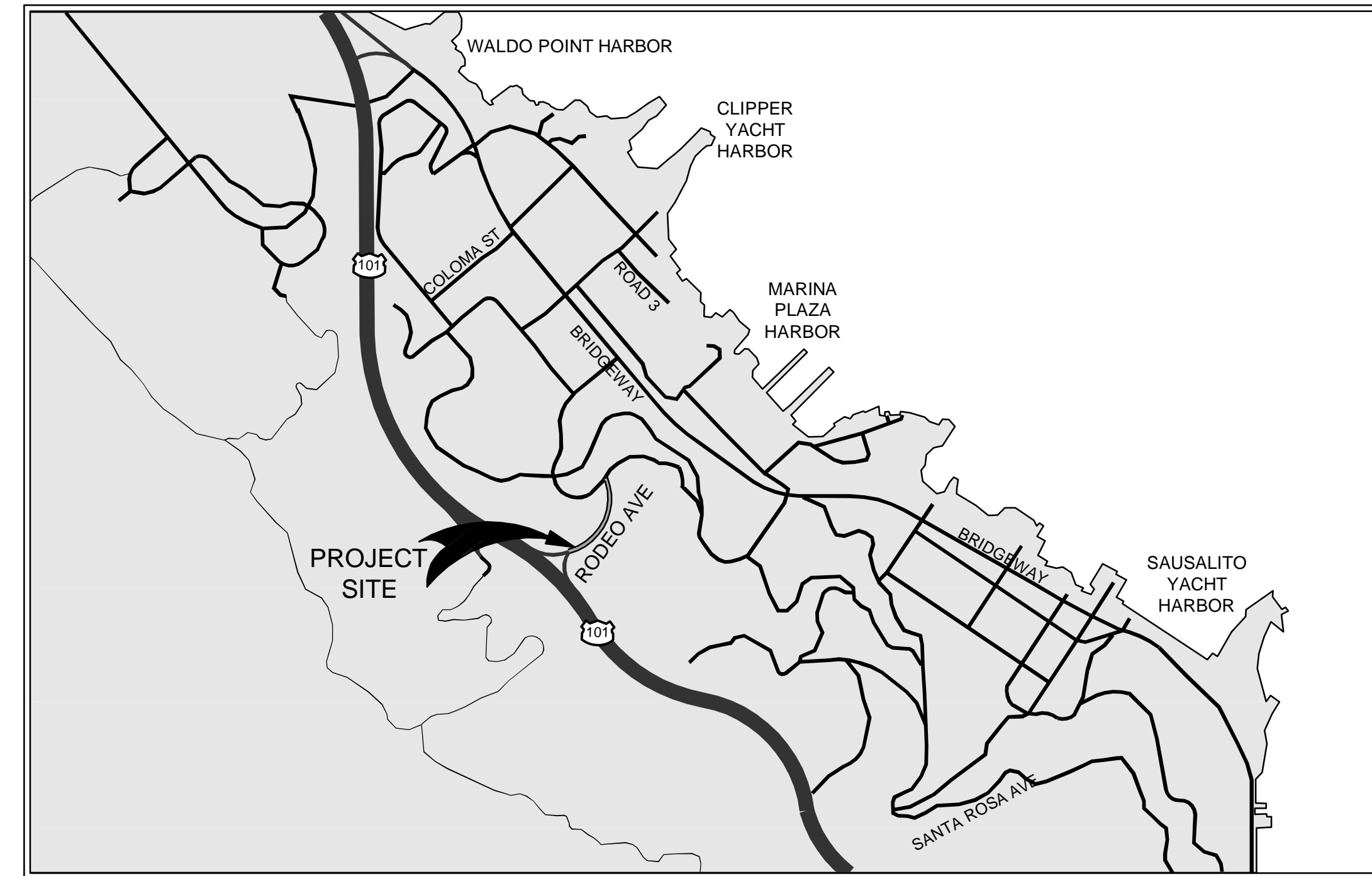
1. THE CONTRACTOR AGREES THAT, IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT LIMITED TO NORMAL WORKING HOURS.
2. ALL EXISTING FEATURES ARE SHOWN IN THEIR APPROXIMATE LOCATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY LOCATIONS, ELEVATIONS, ETC. OF EXISTING FACILITIES AND TO IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY FIELD CONFLICTS.
3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL PERMITS NECESSARY TO PERFORM THE WORK SHOWN IN THESE PLANS FROM THE APPROPRIATE AGENCIES, PRIOR TO PERFORMING ANY WORK.
4. CONTRACTOR SHALL MEET WITH CITY PRIOR TO START OF CONSTRUCTION. 48 HOURS NOTICE IS REQUIRED ON ALL INSPECTIONS.
5. DUST CONTROL DURING ALL PHASES OF CONSTRUCTION IS THE RESPONSIBILITY OF THE CONTRACTOR. ADJOINING STREETS AND PRIVATE DRIVEWAYS SHALL BE KEPT CLEAN OF PROJECT DIRT, MUD, MATERIALS AND DEBRIS, TO THE SATISFACTION OF THE ENGINEER.
6. CONTRACTOR SHALL MAINTAIN ACCESS TO RESIDENCES AFFECTED BY THE PROJECT THROUGHOUT THE DURATION OF THE CONTRACT ACCORDING TO THE SPECIFICATIONS. THE CONTRACTOR SHALL AT NO TIME BLOCK ACCESS TO RESIDENTS WITHOUT THE ADVANCE APPROVAL OF THE ENGINEER AND NOTIFICATION OF THE RESIDENT.
7. THE CONTRACTOR SHALL BE REQUIRED TO KEEP ALL CONSTRUCTION ACTIVITIES WITHIN THE RIGHTS-OF-WAY AND EASEMENTS OBTAINED FOR THIS PROJECT UNLESS OTHERWISE SHOWN. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO, VEHICLES AND EQUIPMENT, LIMITS OF TRENCH EXCAVATIONS, AND STOCKPILED NEW MATERIAL.
8. CONTRACTOR SHALL NOTIFY THE UNDERGROUND SERVICES ALERT (U.S.A.) 811 TWO WORKING DAYS PRIOR TO THE START OF ANY EXCAVATION OR DEMOLITION OF IMPROVEMENTS.
9. CONTRACTOR SHALL EXERCISE DUE CAUTION DURING CONSTRUCTION TO PROTECT ANY EXISTING LANDSCAPING, FIXTURES, EQUIPMENT, CONCRETE SIDEWALK, CONCRETE CURB AND GUTTER, AND AC PAVING TO REMAIN. ANY DAMAGE RESULTING FROM CONTRACTOR OPERATIONS SHALL BE REPAIRED AS DIRECTED BY THE ENGINEER, AT NO ADDITIONAL COST TO THE CITY.
10. TRAFFIC CONTROL DURING CONSTRUCTION SHALL BE THE CONTRACTOR'S RESPONSIBILITY AND IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAGMEN, AND OTHER DEVICES NECESSARY TO ENSURE PUBLIC SAFETY WITHIN THE PROJECT SITE.

SURFACE RESTORATION NOTES

1. ALL PAVEMENT CUTS SHALL BE SAWCUT, SMOOTH AND VERTICAL. THE PAVEMENT AREA BEING REMOVED SHALL BE RECTANGULAR, UNLESS SHOWN OTHERWISE ON PLANS.
2. CONTRACTOR SHALL RESTORE ALL EXISTING PRIVATE AND PUBLIC IMPROVEMENTS DAMAGED BY THEIR OPERATIONS TO THEIR EXISTING CONDITION OR BETTER. THIS INCLUDES, BUT IS NOT LIMITED TO ALL LANDSCAPING, IRRIGATION, DRIVEWAYS, AC PAVING, CONCRETE WORK AND UTILITIES UNLESS NOTED OR DIRECTED OTHERWISE BY THE CITY'S REPRESENTATIVE.
3. RIMS OF EXISTING UTILITY BOXES AND OTHER RELATED APPURTENANCES THAT ARE TO REMAIN SHALL BE PROTECTED DURING CONSTRUCTION AND SHALL BE ADJUSTED TO FINISH GRADES TO MAINTAIN ACCESSIBLE PATH. ANY DAMAGE RESULTING TO EXISTING UTILITY FACILITIES FROM CONTRACTOR OPERATIONS SHALL BE REPAIRED AS DIRECTED BY THE APPROPRIATE AGENCY AT NO ADDITIONAL COST TO THE CITY OR UTILITY.
4. ALL MANHOLES, VALVES AND MONUMENT FRAMES SHALL BE SET TO FINISH GRADE SUCH THAT THERE ARE NO IRREGULARITIES WITH FINISHED GRADES.
5. PROVIDE SMOOTH CONFORM TO EXISTING AC PAVEMENT AT ALL TRANSITIONS.
6. CONTRACTOR SHALL COORDINATE WITH ENGINEER TO FINALIZE REPAIR AREAS. CONTRACTOR SHALL COORDINATE FINAL REPAIR AREAS AFTER MILLING OPERATIONS.



LOCATION MAP
NOT TO SCALE



VICINITY MAP
NOT TO SCALE

STATEMENT OF APPROVAL

APPROVAL OF THESE PLANS DOES NOT RELEASE THE CONTRACTOR OF THE RESPONSIBILITY FOR CORRECTIONS OF MISTAKES, ERRORS OR OMISSIONS CONTAINED THEREIN, IF DURING THE COURSE OF CONSTRUCTION OF THE IMPROVEMENTS, PUBLIC INTEREST REQUIRES A MODIFICATION FOR A DEPARTURE FROM SPECIFICATIONS AND DETAILS OF THE CITY OF SAUSALITO OR THESE PLANS. THE PUBLIC WORKS DIRECTOR SHALL HAVE THE AUTHORITY TO REQUIRE SUCH MODIFICATION OR DEPARTURE AND TO SPECIFY SUCH MODIFICATION OR DEPARTURE AND TO SPECIFY THE MANNER IN WHICH THE SAME IS TO BE MADE.

APPROVED FOR THE CITY OF SAUSALITO

BY: Jonathan Goldman DATE: 3/17/16
JONATHAN GOLDMAN
DIRECTOR OF PUBLIC WORKS

CITY OF SAUSALITO

ANDREW A. DAVIDSON
CITY OF SAUSALITO SENIOR ENGINEER
415.289.4180
420 LITHO STREET
SAUSALITO, CA 94965

ENGINEER

DAYNE JOHNSON
925.940.2208
DJOHNSON@BKF.COM
BKF ENGINEERS
711 GRAND AVENUE, SUITE 240
SAN RAFAEL, CA 94901

SHEET

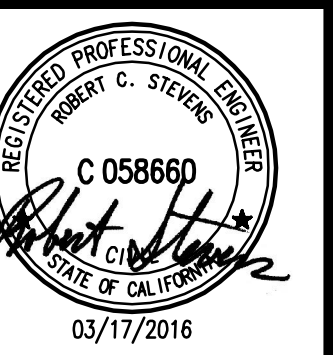
TS-01	TITLE SHEET AND GENERAL NOTES	1
EX-01	EXISTING CONDITIONS	2
EX-02	EXISTING CONDITIONS	3
HL-01	LAYOUT PLAN AND TYPICAL CROSS SECTIONS	4
HL-02	LAYOUT PLAN AND TYPICAL CROSS SECTIONS	5
TC-01	TRAFFIC CONTROL PLAN	6
DT-01	CONSTRUCTION DETAILS	7

No.

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PLOT SCALE: 1 = 1 VIEWPORT ROTATION: XX

REVISIONS

NO.	DESCRIPTION	BY	DATE	APPVD



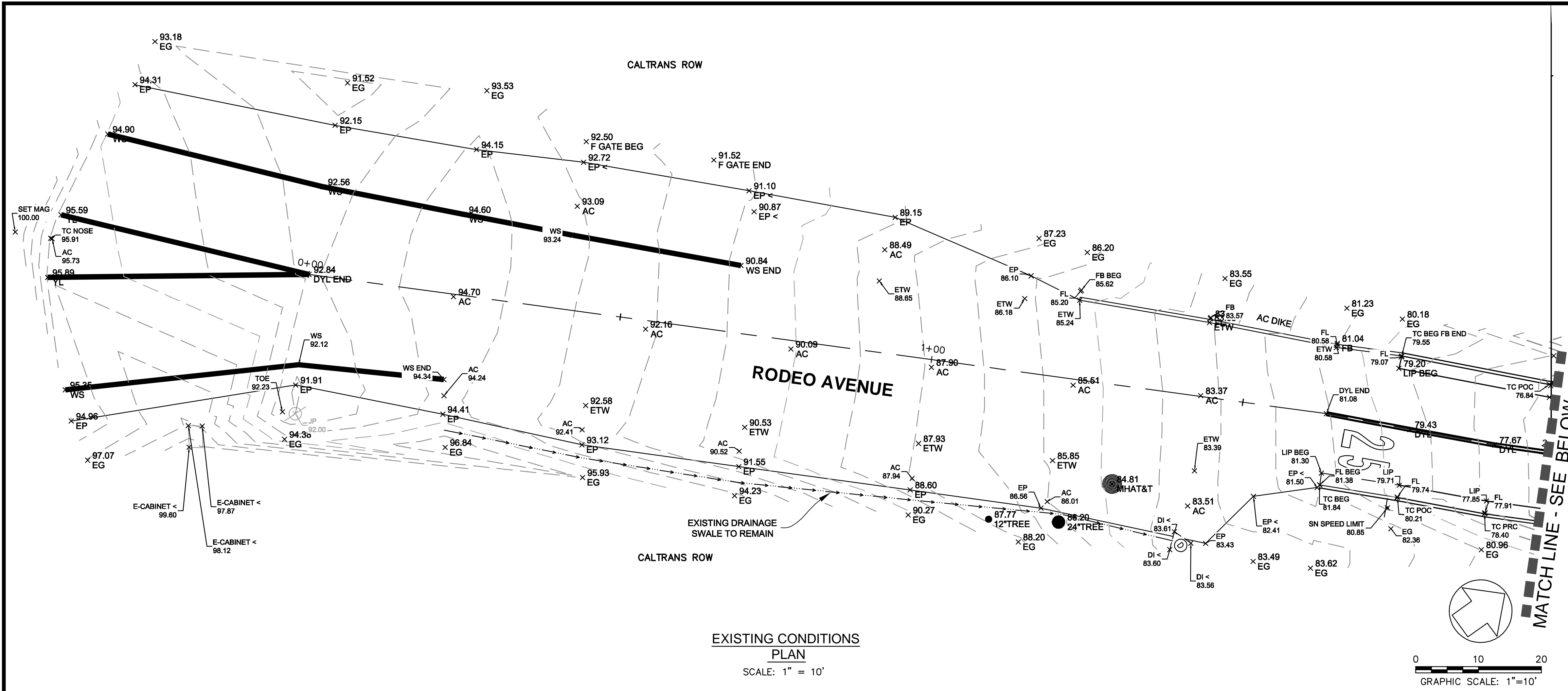
BKF
ENGINEERS / SURVEYORS / PLANNERS
711 GRAND AVENUE
SUITE 240
SAN RAFAEL, CA 94901
TEL: 415-830-7979 (TEL)
415-830-7979 (FAX)

DRAWN: BKF WC
CHECKED: D. JOHNSON
DESIGNED: BKF WC
APPROVED: _____

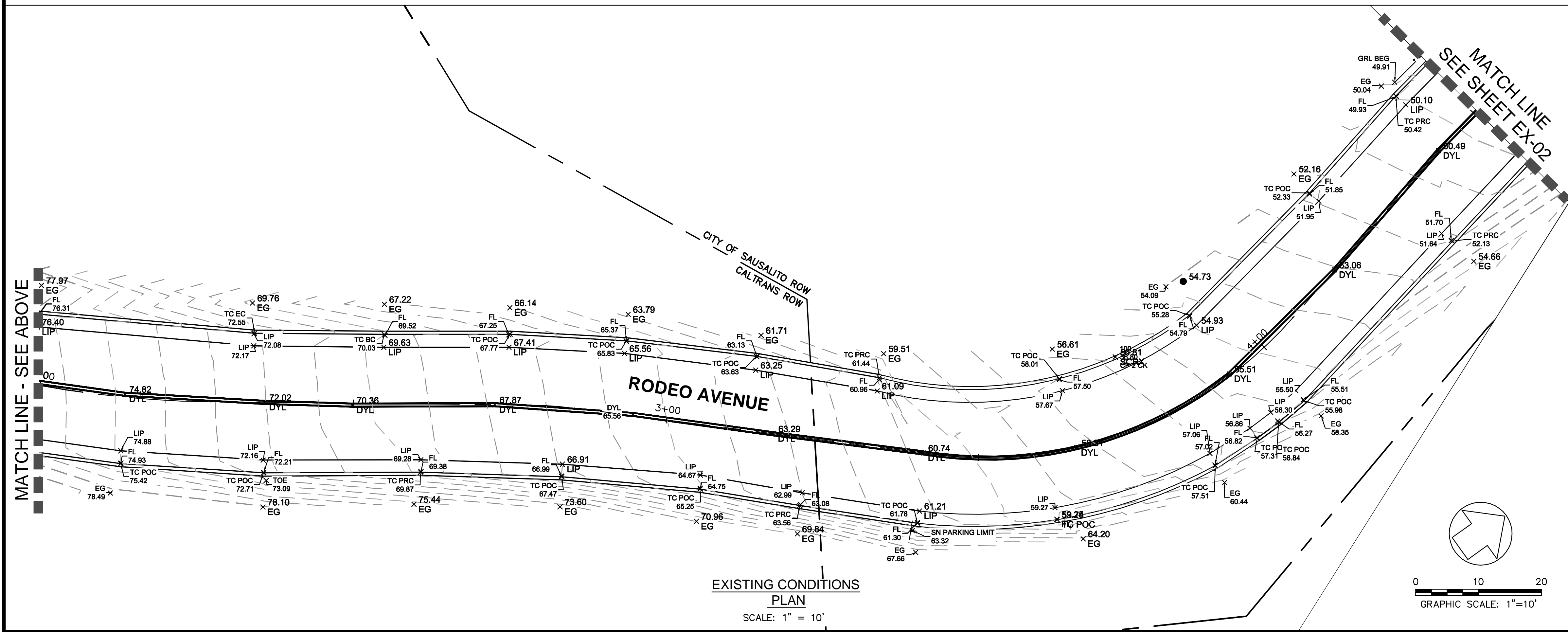
STREET REHABILITATION OF
RODEO AVENUE
TITLE SHEET AND GENERAL NOTES
SAUSALITO
MARIN COUNTY
CALIFORNIA

DATE: 03/14/16 SCALE: AS SHOWN
BKF PROJECT NO: 20155137
CLIENT: CITY OF SAUSALITO
SHEET NO: 01 OF 07
DRAWING NO: TS-01

k:\2015\155137-Sausalito Streets 2015\ENG\PLANNING\155137-RODEO AVENUE\01_EX01.dwg 3-17-16 06:29:34 AM rod
 PLOT SCALE: 1" = 1'



EXISTING CONDITIONS
 PLAN
 SCALE: 1" = 10'



EXISTING CONDITIONS
 PLAN
 SCALE: 1" = 10'

EXISTING UTILITY LEGEND

---	EASEMENT
---	RIGHT OF WAY LINE
---	UNDERGROUND WATER LINE
---	UNDERGROUND STORMDRAIN LINE
---	FENCE LINE
---	EDGE OF PAVEMENT
---	SINGLE CURB
---	CURB AND GUTTER
---	TRAFFIC STRIPING
WM	WATER METER
WV	WATER VALVE
WB	WATER BOX
S	SANITARY SEWER MANHOLE
D	STORM DRAIN MANHOLE
CB	STORM DRAIN CATCH BASIN
SD-V	STORM DRAIN CATCH BASIN ACCESS VAULT
DI	STORM DRAIN DROP INLET
EB	SIGN
EM	ELECTRIC METER
E	ELECTRIC MANHOLE
CATV	CABLE TV BOX
T	TELEPHONE MANHOLE
TEL	TELEPHONE BOX
TEL V	TELEPHONE VAULT
MH	MANHOLE (UNKNOWN TYPE)
UB	UTILITY BOX
36.2 DW	EXISTING ELEVATION

ABBREVIATIONS

AB	AGGREGATE BASE
AC	ASPHALT CONCRETE
APPROX	APPROXIMATELY
AVE	AVENUE
BT	BEGIN TRANSITION
BW	BACK OF WALK
CB	CATCH BASIN
CF	CUBIC FEET
CL	CENTERLINE
CLR	CLEARANCE
CONC	CONCRETE
CONT	CONTINUED
D	DEPTH
DYL	DOUBLE YELLOW LINE
E	EAST OR ELECTRIC
EB	ELECTRICAL BOX
EG	EXISTING GROUND
EL	ELECTRIC
ELEC	ELECTRIC
ELEV	ELEVATION
EP	EDGE OF PAVEMENT
EX	EXISTING
FC	FACE OF CURB
FL	FLOWLINE
GI	GRATE INLET
GV	GAS VALVE
INV	INVERT
JP	JOINT POLE
L	LEFT OR LENGTH
LF	LINEAL FEET
LG	LIP OF GUTTER
LP	LOW POINT
LT	LEFT
MH	MANHOLE
MIN	MINIMUM
MON	MONUMENT
N	NORTH
NE	NORTHEAST
NW	NORTHWEST
PCC	PORTLAND CEMENT CONCRETE
PR	PROPOSED
PVC	POLYVINYL CHLORIDE
RW	RIGHT OF WAY
S	SOUTH
SD	STORM DRAIN
SE	SOUTHEAST
SS	SANITARY SEWER
STA	STATION
STD	STANDARD
SW	SIDEWALK
SW	SOUTHWEST
TC	TOP OF CURB
TEL	TELEPHONE
TYP	TYPICAL
UB	UTILITY BOX
W	WATER OR WEST
WM	WATER METER
WV	WATER VALVE

REVISIONS

NO.	DESCRIPTION	BY	DATE	APPR'D

Professional Engineer Seal:
 REGISTERED PROFESSIONAL ENGINEER
 ROBERT C. STAVROPOULOS
 C 058660
 03/17/2016

Project Information:
 711 GRAND AVENUE
 SUITE 240
 SAN RAFAEL, CA 94901
 415-350-7560 (TEL)
 415-350-7575 (FAX)

Personnel:
 CHECKED: D. JOHNSON
 APPROVED: [Signature]
 DRAWN: BKF WC
 DESIGNED: BKF WC

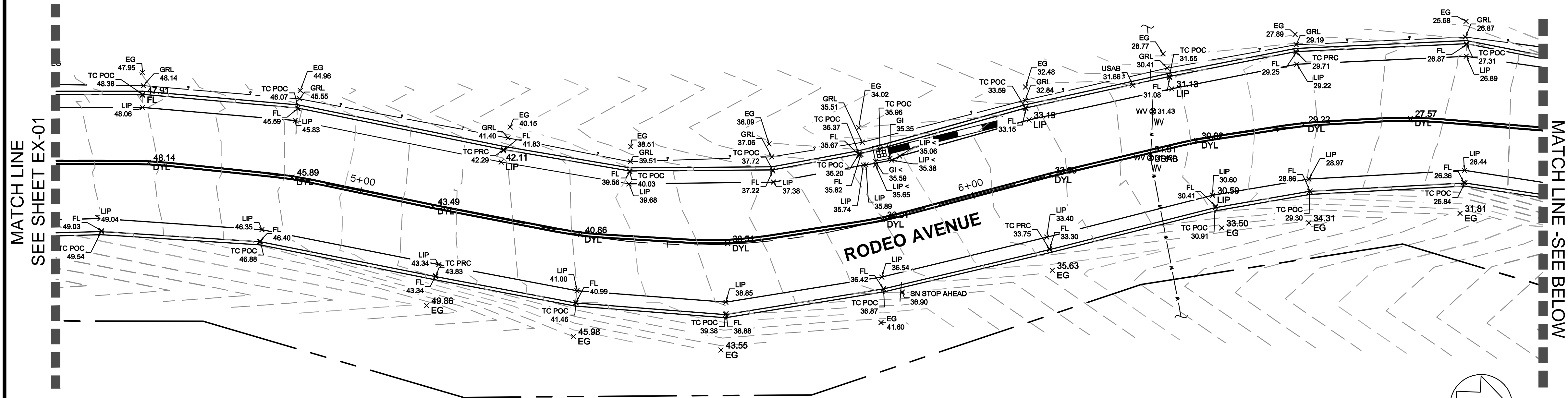
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 STREET REHABILITATION OF
 RODEO AVENUE
 EXISTING CONDITIONS

Location:
 CALIFORNIA
 MARIN COUNTY
 SAUSALITO

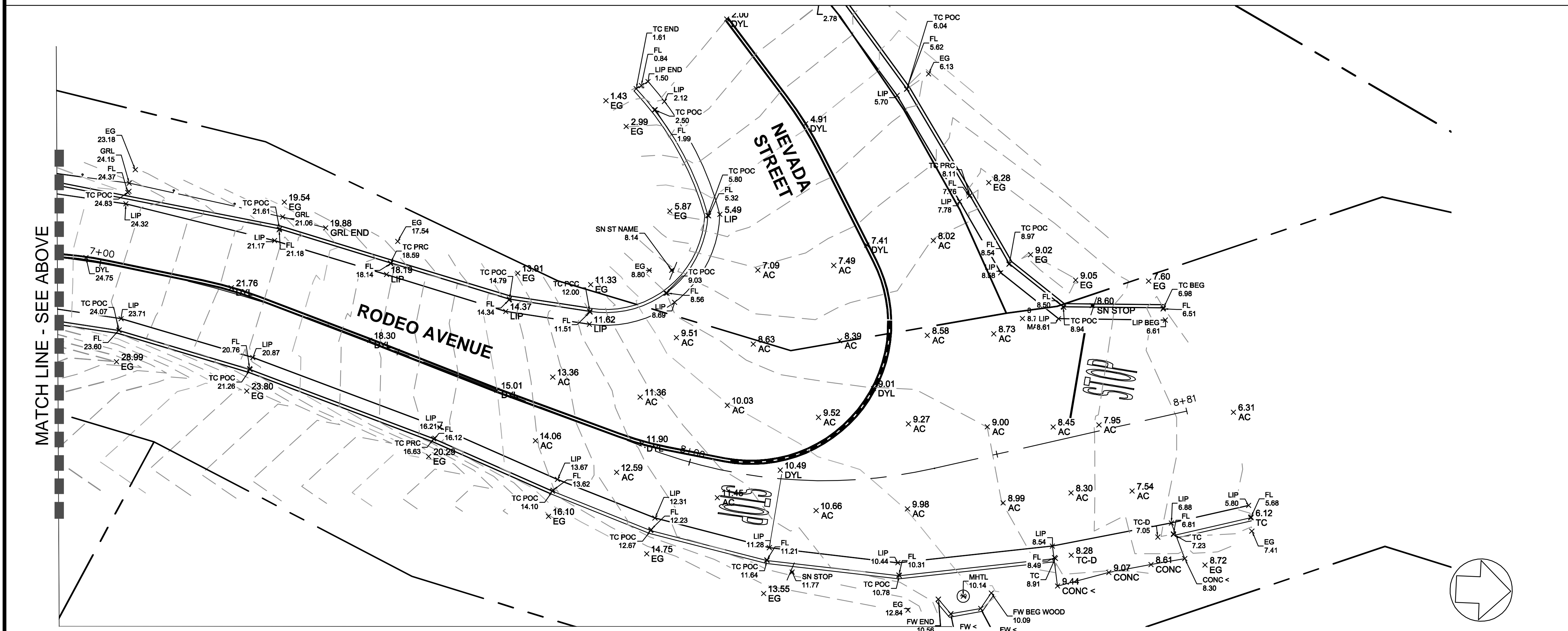
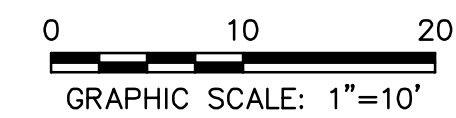
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 BKf PROJECT NO: 20155137
 CLIENT: CITY OF SAUSALITO
 SHEET NO: 02 OF 07
 DRAWING NO: EX-01

Logos:
 BKF
 811 Know what's below. Call before you dig.

K:\2015\155137-Sausalito Streets\2015\ENG\PLANNING\SHEETS\RODEO AVENUE\01_EX01.dwg 3-17-16 06:29:41 AM road
 PLOT SCALE: 1" = 1'



EXISTING CONDITIONS
 PLAN
 SCALE: 1" = 10'



EXISTING CONDITIONS
 PLAN
 SCALE: 1" = 10'



EXISTING UTILITY LEGEND

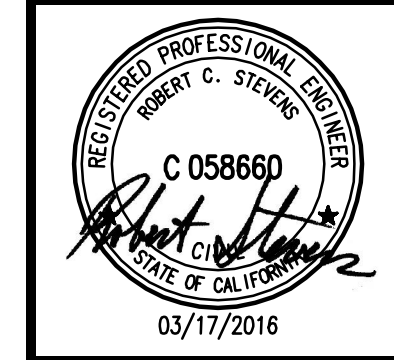
- EASEMENT
- 8"W --- UNDERGROUND WATER LINE
- UNDERGROUND STORM DRAIN LINE
- x- FENCE LINE
- EDGE OF PAVEMENT
- SINGLE CURB
- CURB AND GUTTER
- TRAFFIC STRIPING
- WM WATER METER
- ⊗ WV WATER VALVE
- WB WATER BOX
- ⊙ S SANITARY SEWER MANHOLE
- ⊙ D STORM DRAIN MANHOLE
- CB STORM DRAIN CATCH BASIN
- SD-V STORM DRAIN CATCH BASIN ACCESS VAULT
- DI STORM DRAIN DROP INLET
- SIGN
- EB ELECTRIC BOX
- EM ELECTRIC METER
- ⊙ E ELECTRIC MANHOLE
- CATV CABLE TV BOX
- ⊙ T TELEPHONE MANHOLE
- TEL TELEPHONE BOX
- TEL V TELEPHONE VAULT
- ⊙ MH MANHOLE (UNKNOWN TYPE)
- UB UTILITY BOX
- 36.2 DW EXISTING ELEVATION

ABBREVIATIONS

- AB AGGREGATE BASE
- AC ASPHALT CONCRETE
- APPROX APPROXIMATELY
- AVE AVENUE
- BT BEGIN TRANSITION
- BW BACK OF WALK
- CB CATCH BASIN
- CF CUBIC FEET
- CL CENTERLINE
- CLR CLEARANCE
- CONC CONCRETE
- CONT CONTINUED
- D DEPTH
- DYL DOUBLE YELLOW LINE
- E EAST OR ELECTRIC
- EB ELECTRICAL BOX
- EG EXISTING GROUND
- EL ELECTRIC
- ELEC ELECTRIC
- ELEV ELEVATION
- EP EDGE OF PAVEMENT
- EX EXISTING
- FC FACE OF CURB
- FL FLOWLINE
- GI GRATE INLET
- GV GAS VALVE
- INV INVERT
- JP JOINT POLE
- L LEFT OR LENGTH
- LF LINEAL FEET
- LG LIP OF GUTTER
- LP LOW POINT
- LT LEFT
- MH MANHOLE
- MIN MINIMUM
- MON MONUMENT
- N NORTH
- NE NORTHEAST
- NW NORTHWEST
- PCC PORTLAND CEMENT CONCRETE
- PR PROPOSED
- PVC POLYVINYL CHLORIDE
- RW RIGHT OF WAY
- S SOUTH
- SD STORM DRAIN
- SE SOUTHEAST
- SS SANITARY SEWER
- STA STATION
- STD STANDARD
- SW SIDEWALK
- SW SW
- TC TOP OF CURB
- TEL TELEPHONE
- TYP TYPICAL
- UB UTILITY BOX
- W WATER OR WEST
- WM WATER METER
- WV WATER VALVE

REVISIONS

NO.	DESCRIPTION	BY	DATE	APPVD



BKF
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 711 GRAND AVENUE
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 SAN RAFAEL, CA 94901
 415-830-7979 (TEL)
 415-830-7979 (FAX)

DESIGNED: D. JOHNSON
 DRAWN: BKF WC
 CHECKED: BKF WC
 APPROVED: BKF WC

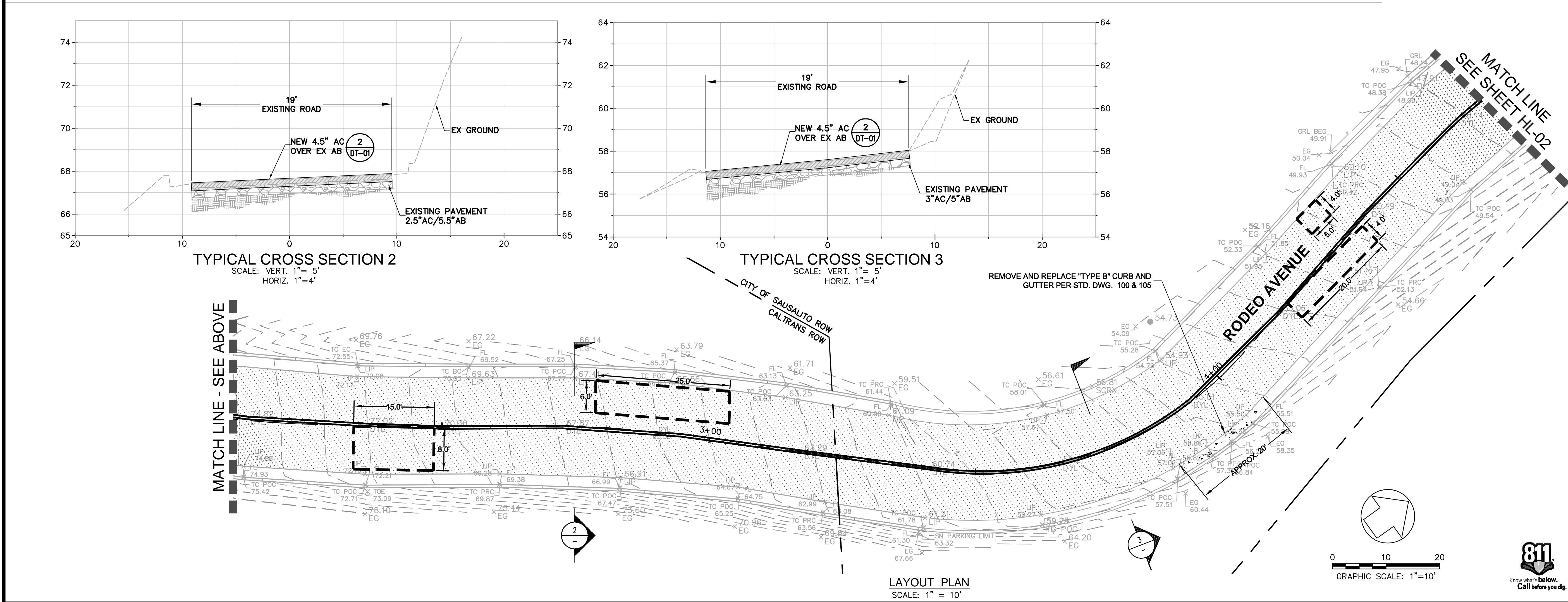
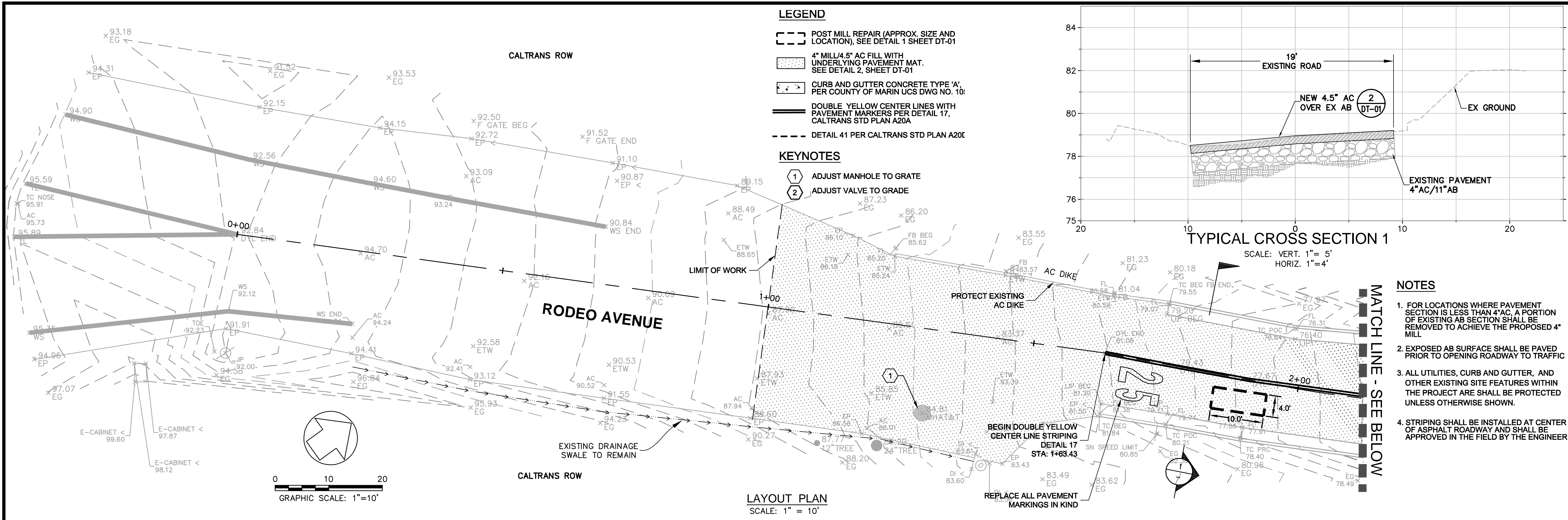
**STREET REHABILITATION OF
 RODEO AVENUE
 EXISTING CONDITIONS**

MARIN COUNTY
 SAUSALITO
 CALIFORNIA

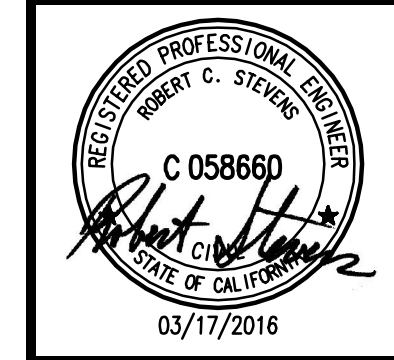
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 SCALE: AS SHOWN
 BKF PROJECT NO: 20155137
 CLIENT: CITY OF SAUSALITO
 SHEET NO: 03 OF 07
 DRAWING NO: EX-02



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 PLOT SCALE: 1" = 1'



NO.	DESCRIPTION	BY	DATE	APPROVED



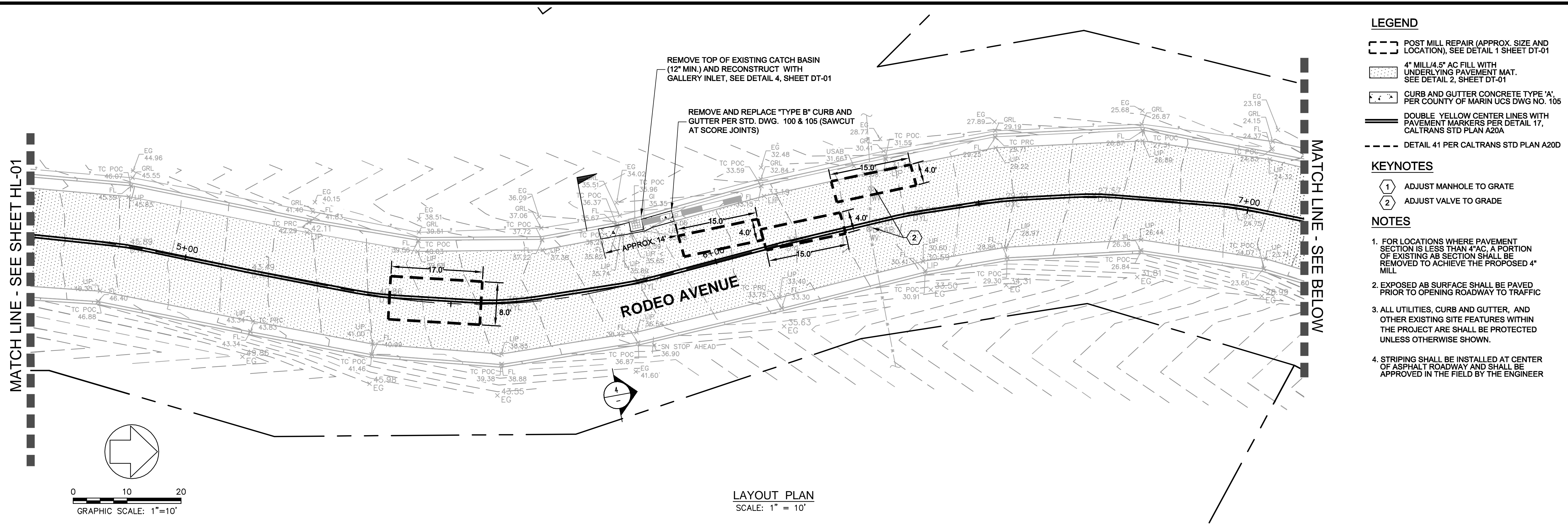
711 GRAND AVENUE SUITE 240 SAN RAFAEL, CA 94901 415-830-7979 (FAX)	ENGINEERS / SURVEYORS / PLANNERS	D. JOHNSON
BKF	ENGINEERS / SURVEYORS / PLANNERS	D. JOHNSON
ENGINEERS / SURVEYORS / PLANNERS	ENGINEERS / SURVEYORS / PLANNERS	D. JOHNSON
ENGINEERS / SURVEYORS / PLANNERS	ENGINEERS / SURVEYORS / PLANNERS	D. JOHNSON

STREET REHABILITATION OF RODEO AVENUE
LAYOUT PLAN AND TYPICAL CROSSSECTIONS
 SAUSALITO MARIN COUNTY CALIFORNIA

DATE: 03/14/16 SCALE: AS SHOWN
 BKF PROJECT NO: 20155137
 CLIENT: CITY OF SAUSALITO
 SHEET NO: 04 OF 07
 DRAWING NO: HL-01



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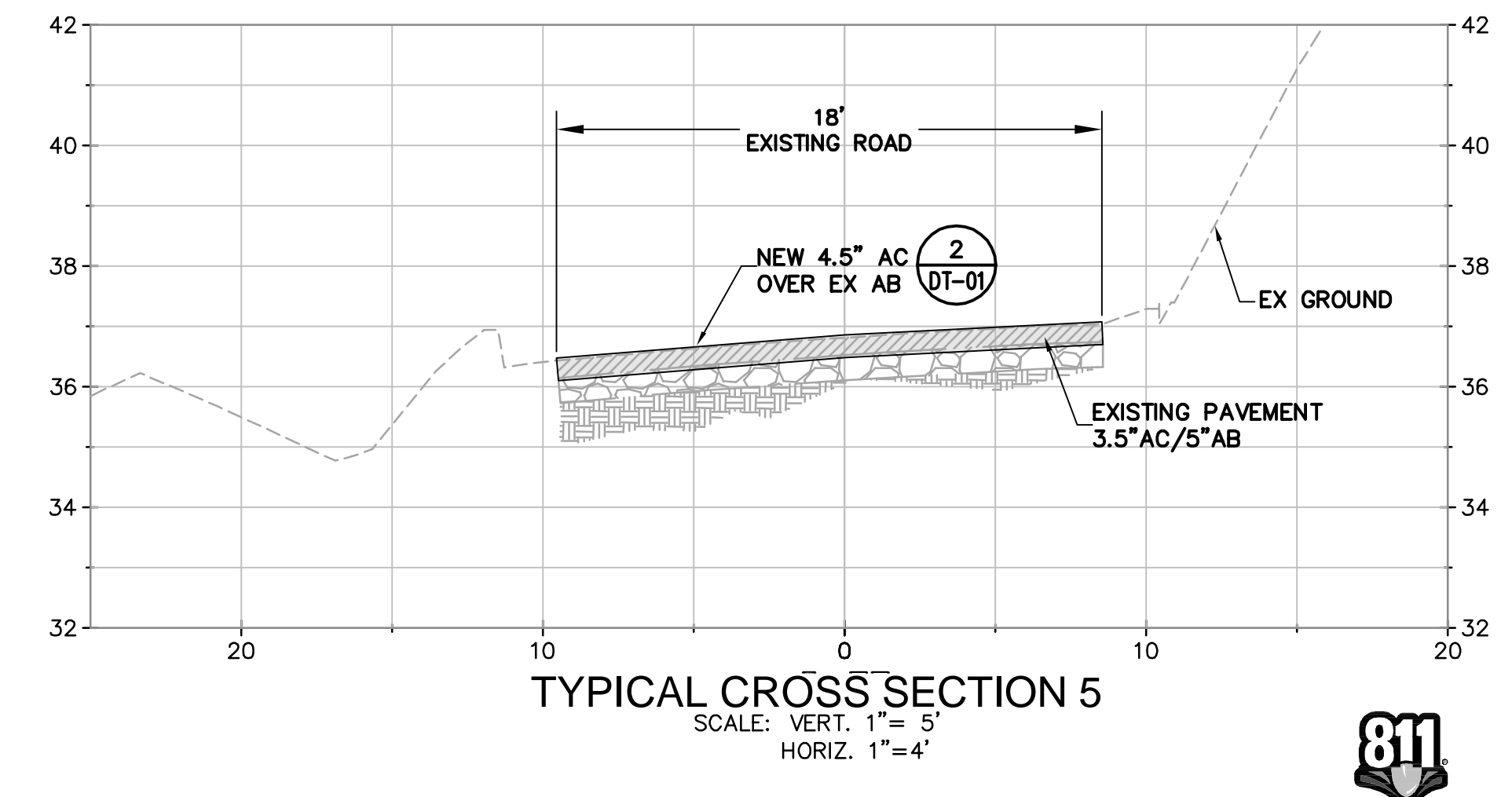
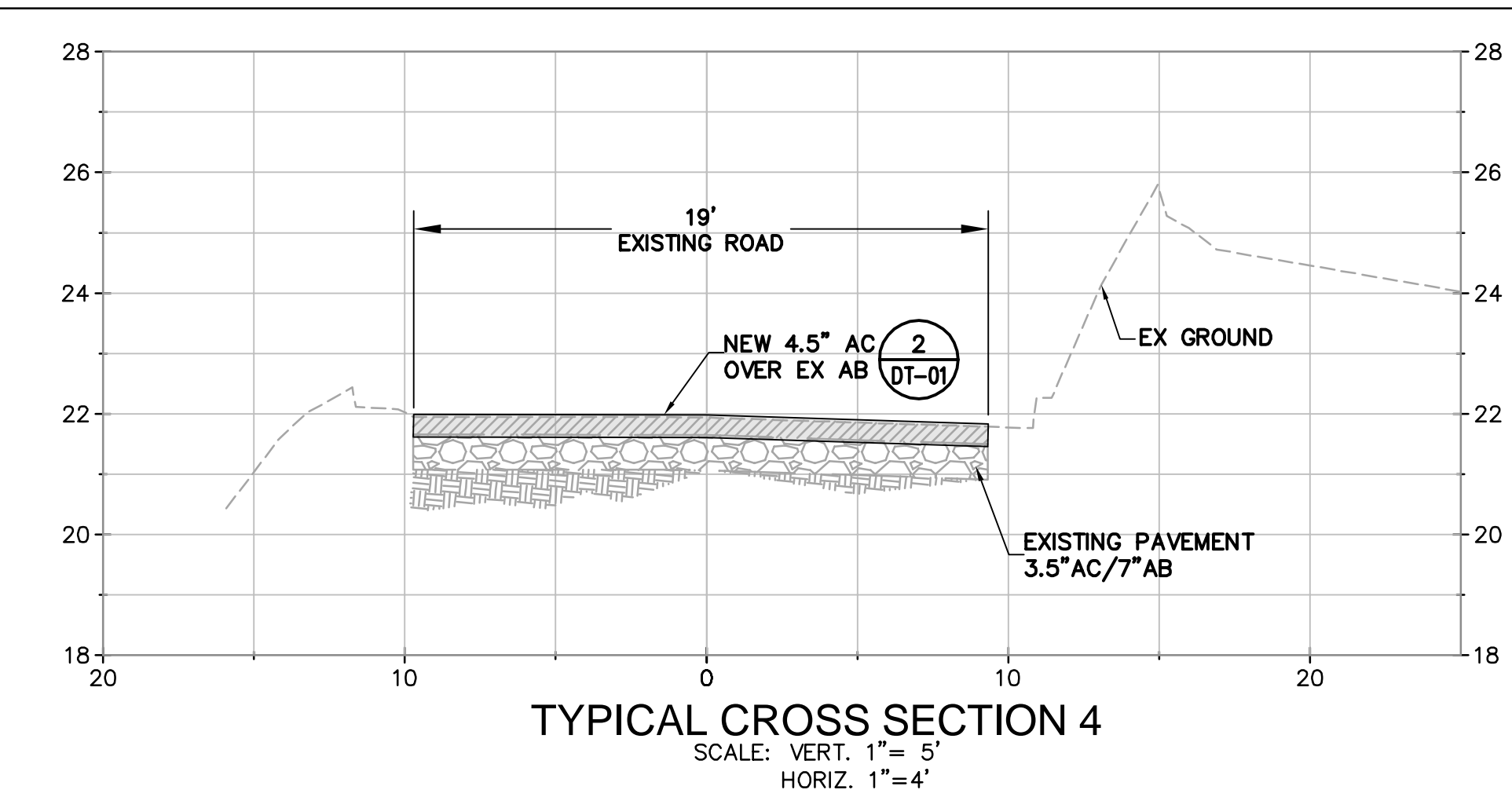
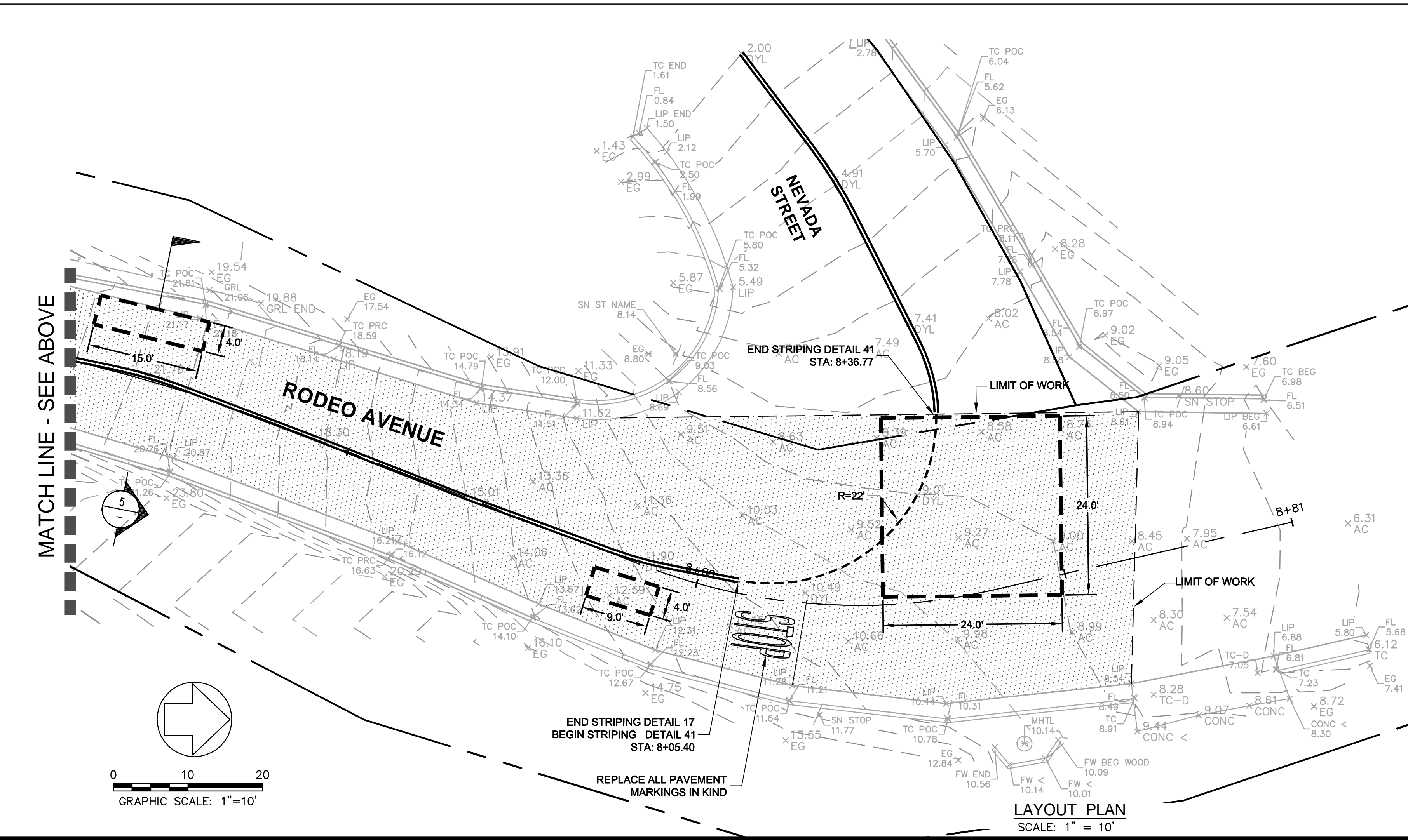


- LEGEND**
- POST MILL REPAIR (APPROX. SIZE AND LOCATION), SEE DETAIL 1 SHEET DT-01
 - 4" MILL/4.5" AC FILL WITH UNDERLYING PAVEMENT MAT. SEE DETAIL 2, SHEET DT-01
 - CURB AND GUTTER CONCRETE TYPE 'A', PER COUNTY OF MARIN UCS DWG NO. 105
 - DOUBLE YELLOW CENTER LINES WITH PAVEMENT MARKERS PER DETAIL 17, CALTRANS STD PLAN A20A
 - DETAIL 41 PER CALTRANS STD PLAN A20D
- KEYNOTES**
- ADJUST MANHOLE TO GRATE
 - ADJUST VALVE TO GRADE
- NOTES**
- FOR LOCATIONS WHERE PAVEMENT SECTION IS LESS THAN 4" AC, A PORTION OF EXISTING AB SECTION SHALL BE REMOVED TO ACHIEVE THE PROPOSED 4" MILL
 - EXPOSED AB SURFACE SHALL BE PAVED PRIOR TO OPENING ROADWAY TO TRAFFIC
 - ALL UTILITIES, CURB AND GUTTER, AND OTHER EXISTING SITE FEATURES WITHIN THE PROJECT ARE SHALL BE PROTECTED UNLESS OTHERWISE SHOWN.
 - STRIPING SHALL BE INSTALLED AT CENTER OF ASPHALT ROADWAY AND SHALL BE APPROVED IN THE FIELD BY THE ENGINEER

REVISIONS

NO.	DESCRIPTION	BY	DATE	APPVD

REGISTERED PROFESSIONAL ENGINEER
ROBERT C. STREIBER
 C 058660
 State of California
 03/17/2016



BKF
 ENGINEERS / SURVEYORS / PLANNERS

711 GRAND AVENUE
 SUITE 200
 SAN RAFAEL, CA 94901
 415-830-7979 (TEL)
 415-830-7979 (FAX)

DRAWN: BKF WC
 CHECKED: D. JOHNSON
 DESIGNED: BKF WC
 APPROVED: -

STREET REHABILITATION OF RODEO AVENUE
LAYOUT PLAN AND TYPICAL CROSSSECTIONS
 SAUSALITO MARIN COUNTY CALIFORNIA

DATE: 03/14/16
 SCALE: AS SHOWN

BKF PROJECT NO: 20155137

CLIENT: CITY OF SAUSALITO

SHEET NO: **05** OF **07**

DRAWING NO: **HZ-02**

811
 Know what's below. Call before you dig.

K:\2015\155137-Sausalito Streets 2015\ENG\PLANNING\SHEETS\RODEO AVENUE\04_PRTFFFC.dwg 3-17-16 06:26:38 AM road
 PLOT SCALE: 1" = 1' VIEWPORT ROTATION: XX



TRAFFIC CONTROL PLAN
 NOT TO SCALE



DETAIL 1:
 TRAFFIC CONTROL AT U.S. 101 / RODEO AVE. OFF RAMP
 NOT TO SCALE

- LEGEND:
- DIRECTION OF TRAFFIC
 - TRAFFIC CONE
 - FLAGGER
 - TEMPORARY BARRIER, SEE PLAN FOR TYPE
 - TEMPORARY CONSTRUCTION TYPE, SEE SIGN CODE CHART FOR DETAILS

SIGN AND STRIPE CODE CHART		
CODE	TOTAL QTY	DESIGNATION
C19(CA)	2 EA	RAMP CLOSED AHEAD
C38(CA)	2 EA	USE NEXT EXIT
W20-3	4 EA	ROAD CLOSED AHEAD
M4-8	2 EA	DETOUR SIGN
C2	1 EA	RAMP CLOSED

* PER CALTRANS STANDARDS

- NOTES:
- REFER TO CALTRANS STANDARDS FOR FURTHER TRAFFIC CONTROL DETAILS AND NOTES SHEET DT-01
 - ADDITIONAL DETOUR SIGN SHALL BE PLACED AT THE NEXT EXIT

REVISIONS

NO.	DESCRIPTION	BY	DATE	APPVD



BKF
 ENGINEERS / SURVEYORS / PLANNERS

711 GRAND AVENUE
 SUITE 2040
 SAN RAFAEL, CA 94901
 TEL: 415-830-7900
 FAX: 415-830-7979

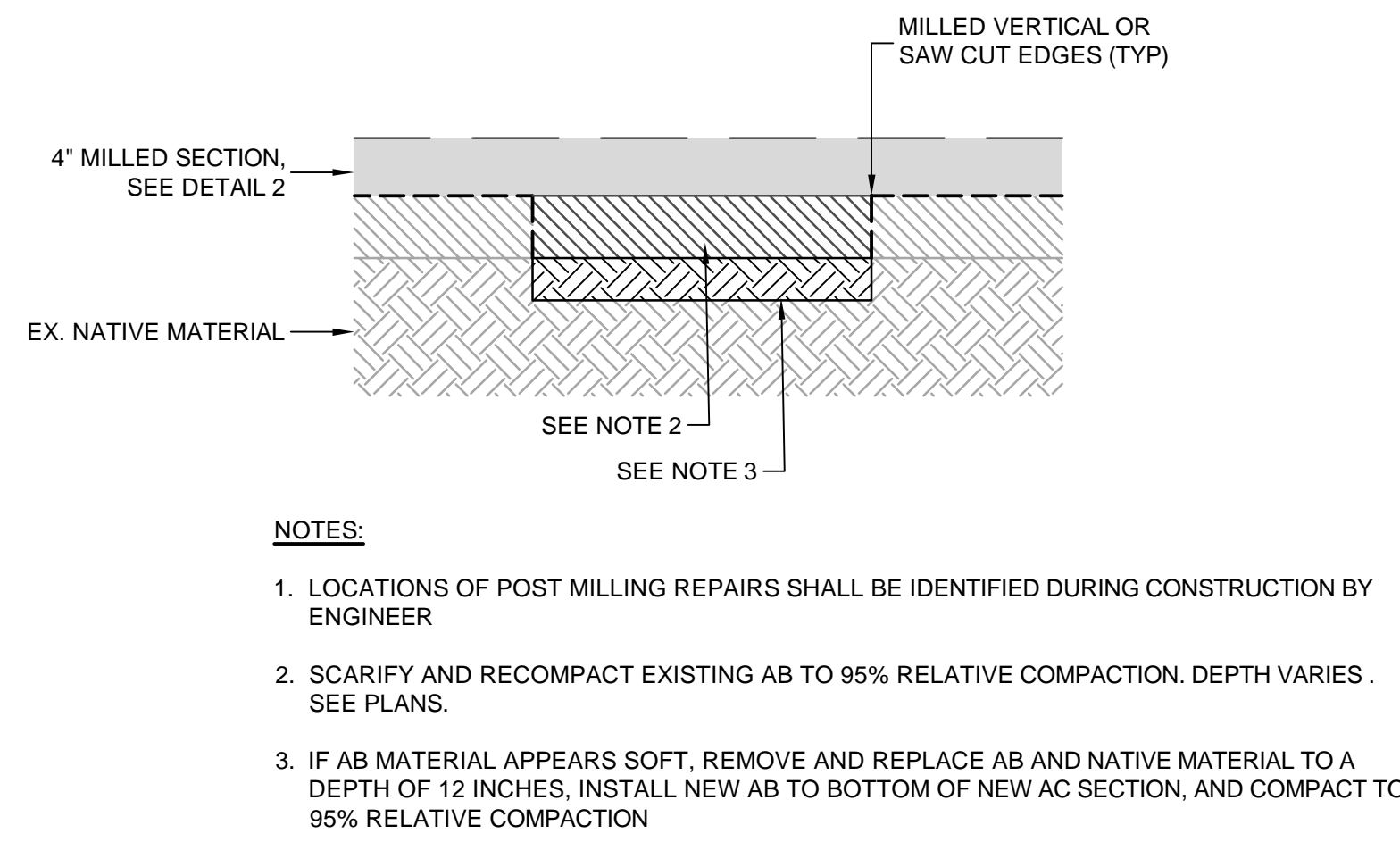
DRAWN: BKF WC
 CHECKED: D. JOHNSON
 DESIGNED: BKF WC
 APPROVED: -

STREET REHABILITATION OF
 RODEO AVENUE
 TRAFFIC CONTROL PLAN

MARIN COUNTY
 SAUSALITO
 CALIFORNIA

DATE	SCALE
03/14/16	AS SHOWN
BKF PROJECT NO. 20155137	
CLIENT CITY OF SAUSALITO	
SHEET NO. 06 OF 07	
DRAWING NO. TC-01	

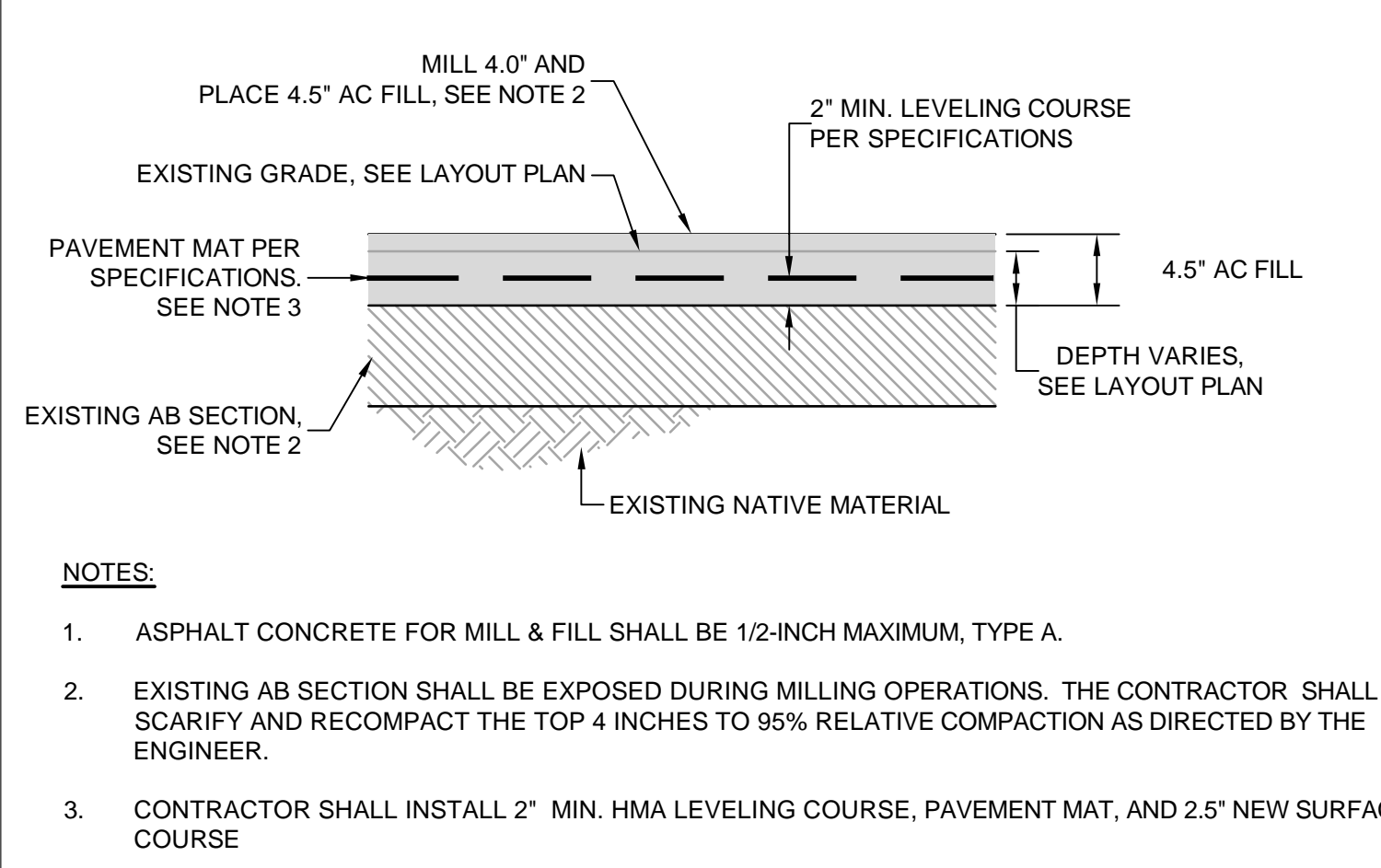




NOTES:

1. LOCATIONS OF POST MILLING REPAIRS SHALL BE IDENTIFIED DURING CONSTRUCTION BY ENGINEER
2. SCARIFY AND RECOMPACT EXISTING AB TO 95% RELATIVE COMPACTION. DEPTH VARIES. SEE PLANS.
3. IF AB MATERIAL APPEARS SOFT, REMOVE AND REPLACE AB AND NATIVE MATERIAL TO A DEPTH OF 12 INCHES, INSTALL NEW AB TO BOTTOM OF NEW AC SECTION, AND COMPACT TO 95% RELATIVE COMPACTION

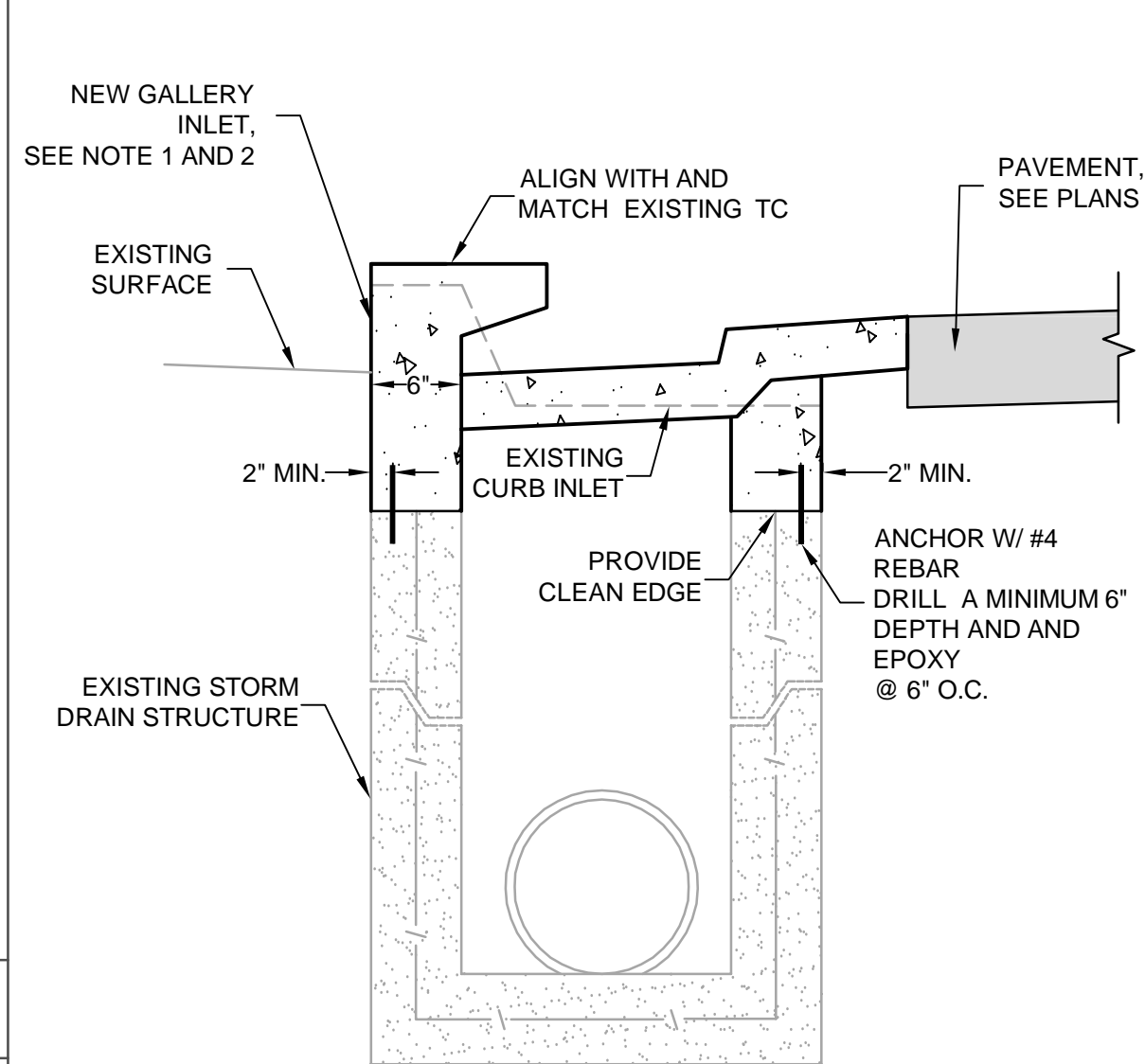
POST MILLING REPAIR
NOT TO SCALE 1



NOTES:

1. ASPHALT CONCRETE FOR MILL & FILL SHALL BE 1/2-INCH MAXIMUM, TYPE A.
2. EXISTING AB SECTION SHALL BE EXPOSED DURING MILLING OPERATIONS. THE CONTRACTOR SHALL SCARIFY AND RECOMPACT THE TOP 4 INCHES TO 95% RELATIVE COMPACTION AS DIRECTED BY THE ENGINEER.
3. CONTRACTOR SHALL INSTALL 2" MIN. HMA LEVELING COURSE, PAVEMENT MAT, AND 2.5" NEW SURFACE COURSE

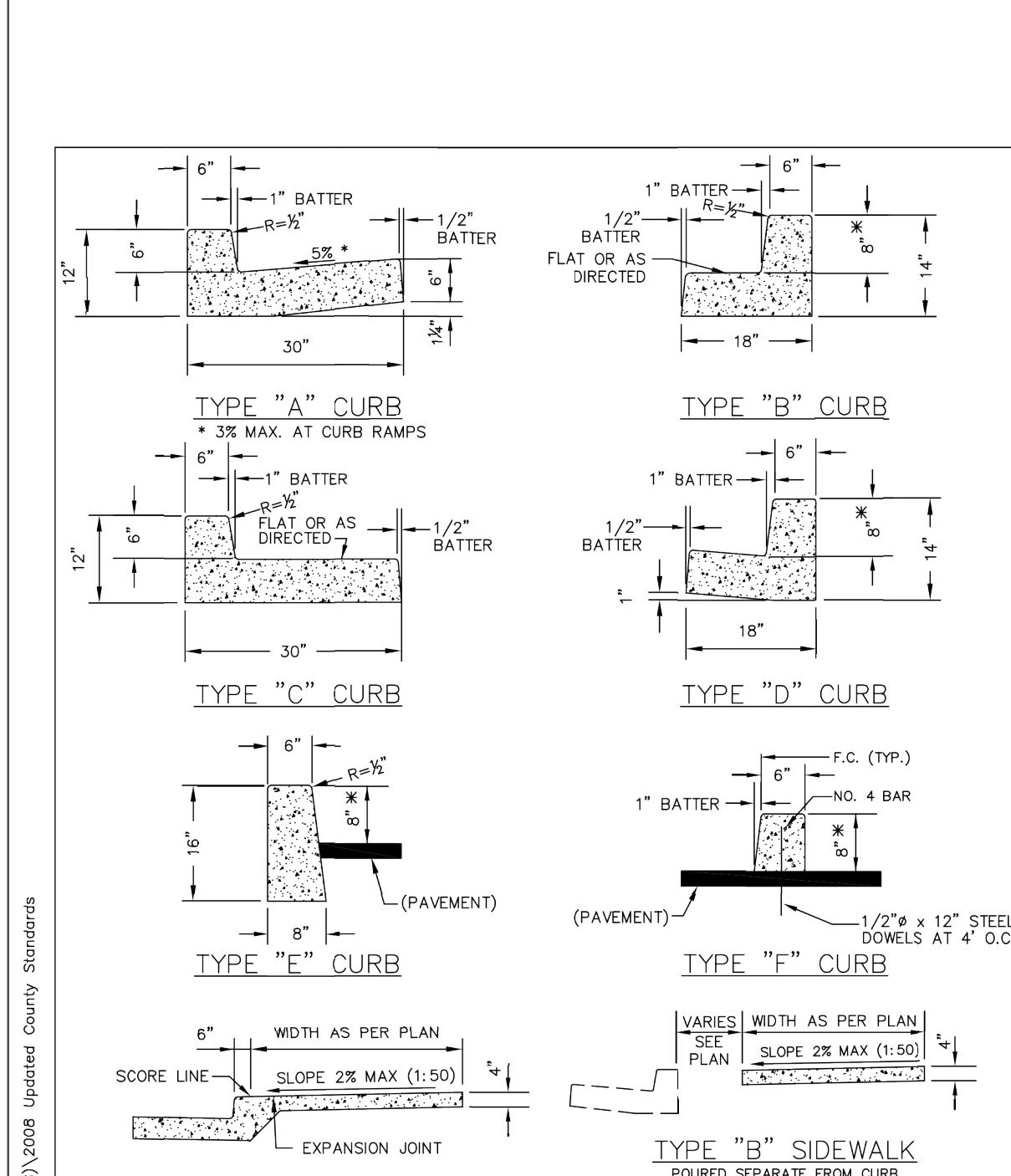
MILL & FILL ROADWAY STRUCTURAL SECTION
NOT TO SCALE 2



NOTES:

1. CONTRACTOR SHALL REMOVE A MINIMUM OF THE TOP 12" OF EXISTING CATCH BASIN AND RECONSTRUCT A GALLERY INLET PER STD. DWG. 255
2. CONTRACTOR SHALL APPLY AN EPOXY BONDING AGENT TO ALL SURFACES OF EXISTING CONCRETE THAT CONNECT TO NEW CONCRETE

MODIFIED CATCH BASIN
NOT TO SCALE 4



NOTES:

1. SEE DRAWING NO. 100 FOR GENERAL REQUIREMENTS.
2. #8 CURB HEIGHT UNLESS 6" HEIGHT APPROVED BY AGENCY ENGINEER.

UNIFORM STANDARDS
ALL CITIES AND
COUNTY OF MARIN
CURB, GUTTER
AND SIDEWALK
DETAILS
REV. DATE BY 105
MAY 2008
DWG. NO.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL SYSTEM TABLES
FOR LANE AND RAMP CLOSURES
NO SCALE
RSP T9 DATED JULY 19, 2013 SUPERSEDES RSP T9 DATED APRIL 19, 2013
THIS PLAN REPLACES THE STANDARDS PLANS BOOK DATED 2010.

2010 REVISED STANDARD PLAN RSP T9

SPEED (SI)	MINIMUM TAPER LENGTH * FOR WIDTH OF OFFSET 12 FEET (W)				MAXIMUM CHANNELIZING DEVICE SPACING			
	TANGENT	MERGING	SHIFTING	SHOULDER	X	Y	Z	AA
20	160	80	40	27	20	40	10	
25	250	125	63	42	25	50	12	
30	360	180	90	60	30	60	15	
35	490	245	123	82	35	70	17	
40	640	320	160	107	40	80	20	
45	1090	545	273	180	45	90	23	
50	1200	600	300	200	50	100	25	
55	1220	610	305	205	55	110	27	
60	1440	720	360	240	60	120	30	
65	1560	780	390	260	65	130	32	
70	1680	840	420	280	70	140	35	

SPEED * mph	DOWNGRADE WITH D ***		
	-3%	-6%	-9%
20	115	116	120
25	155	158	165
30	200	205	215
35	250	257	271
40	305	312	333
45	360	378	400
50	425	446	474
55	495	520	553
60	570	599	638
65	645	682	728
70	730	771	825

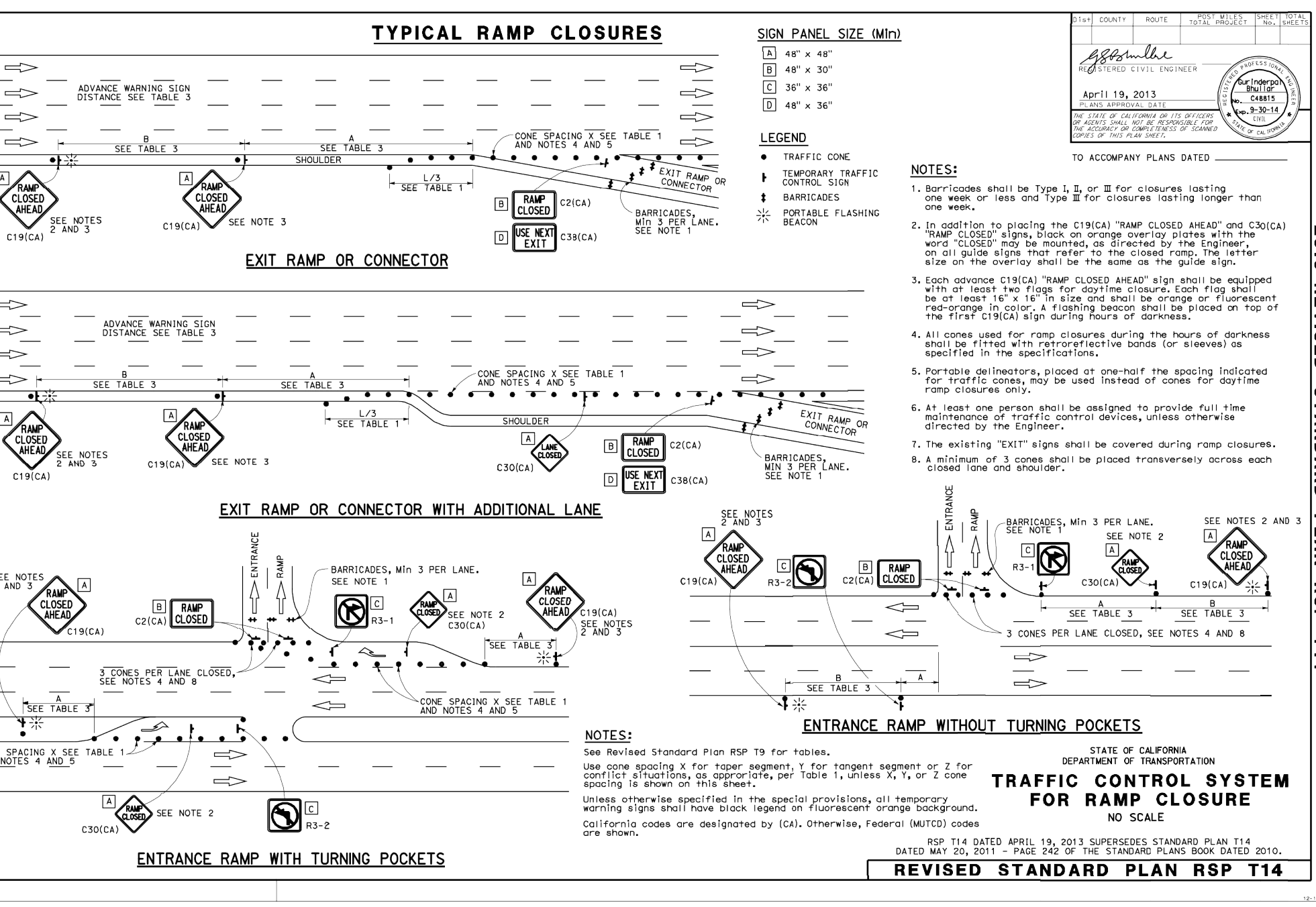
ROAD TYPE	DISTANCE BETWEEN SIGNS * ft		
	A	B	C
URBAN - 25 MPH OR LESS	100	100	100
URBAN - MORE THAN 25 MPH TO 40 MPH	250	250	250
URBAN - MORE THAN 40 MPH	350	350	350
RURAL	500	500	500
EXPRESSWAY / FREEWAY	1000	1000	2640

* - The distances are approximate, are intended for guidance purposes only, and should be applied with engineering judgment. These distances should be adjusted by the Engineer for field conditions, if necessary, by increasing or decreasing the recommended distances.

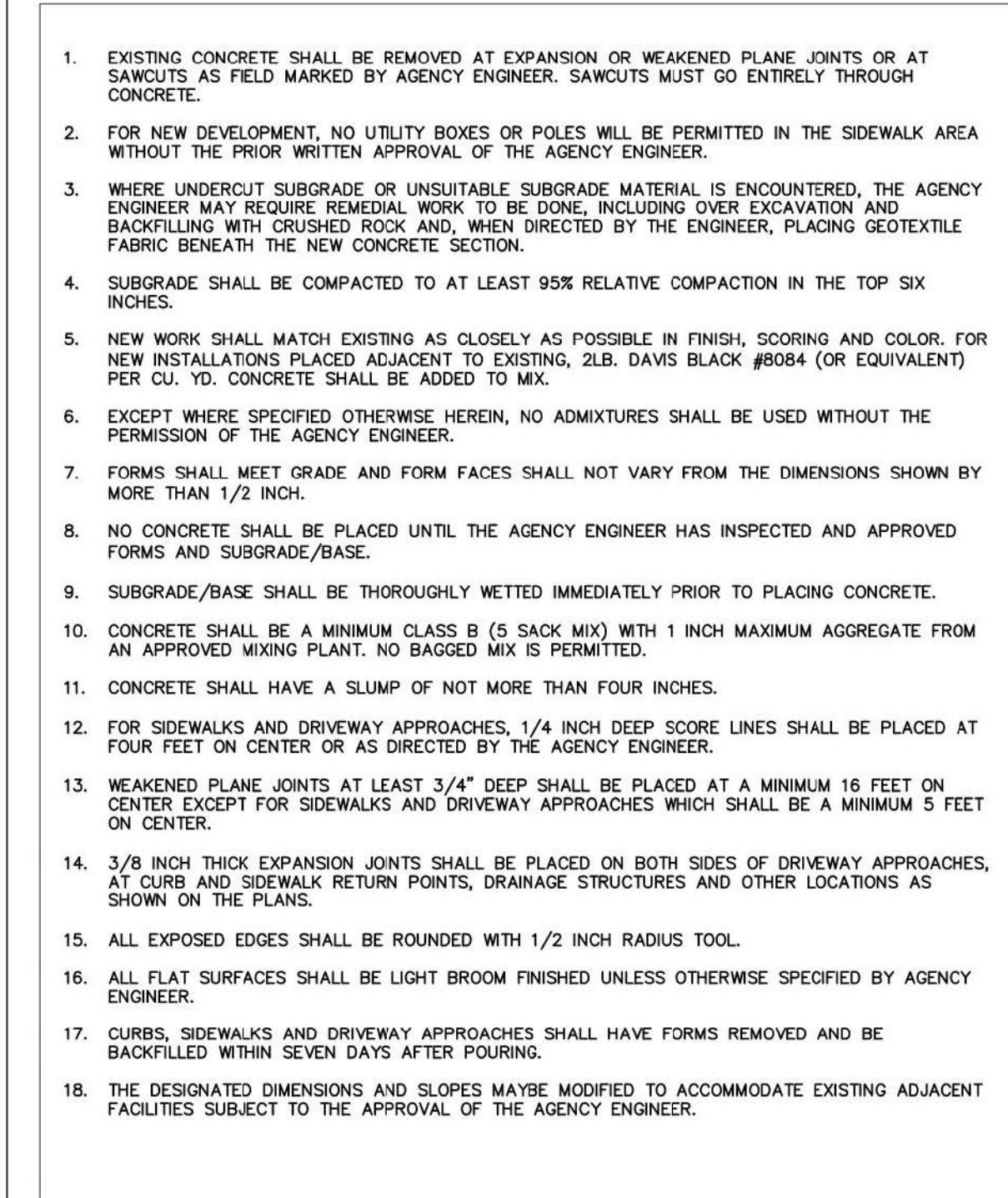
** - For other offsets, use the following merging taper length formula for L: For speed of 40 mph or less, L = W²/60; For speed of 40 mph or more, L = WS

Where: L = Taper length in feet
W = Width of offset in feet
S = Posted speed limit, off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in mph

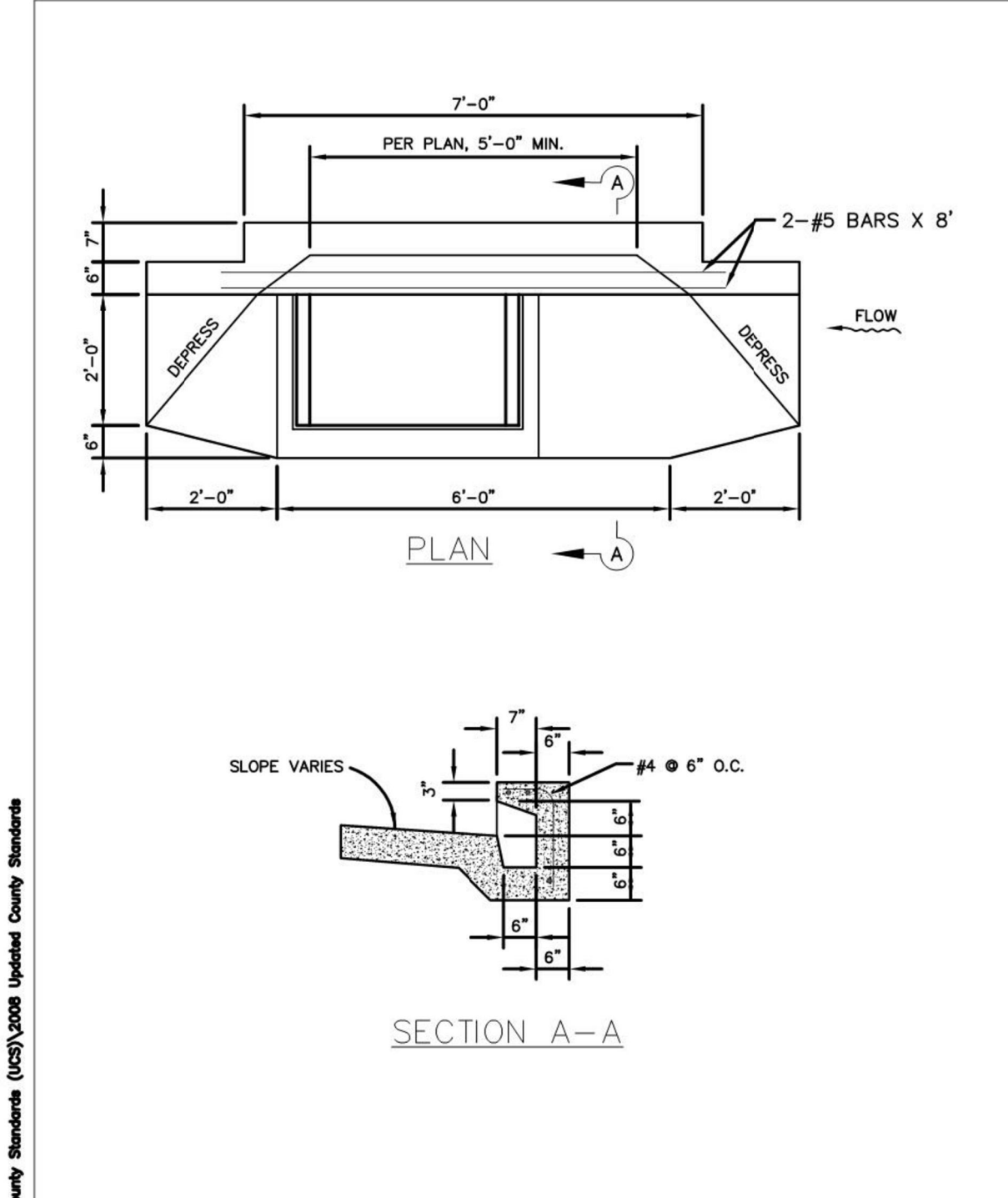
*** - Use for taper and flagger sections where there are no pavement markings or where there is a conflict between existing pavement markings and channelizers (CA).



CALTRANS STANDARD PLANS
NOT TO SCALE 4



UNIFORM STANDARDS
ALL CITIES AND
COUNTY OF MARIN
REQUIREMENTS FOR
CONCRETE CURB,
GUTTER, SIDEWALK,
DRIVEWAY AND OTHER
"FLATWORK"
REV. DATE BY 100
MAY 2008
DWG. NO.



UNIFORM STANDARDS
ALL CITIES AND
COUNTY OF MARIN
GALLERY INLET
FOR CATCH BASIN
REV. DATE BY 255
MAY 2008
DWG. NO.

MARIN COUNTY STANDARD PLANS
NOT TO SCALE 5

REVISIONS

NO.	DESCRIPTION	BY	DATE	APP'VD

REGISTERED PROFESSIONAL ENGINEER
ROBERT C. STERNBERG
C 058660
STATE OF CALIFORNIA
03/17/2016

711 GRAND AVENUE
SUITE 200
SAN RAFAEL, CA 94901
3400 RAYBURN DRIVE
SAN RAFAEL, CA 94901
415-830-7879 (FAX)

ENGINEERS / SURVEYORS / PLANNERS
D. JOHNSON
BKF WC
BKF WC
DESIGNED: CALIFORNIA
MARIN COUNTY
SAUSALITO

**STREET REHABILITATION OF
RODEO AVENUE
CONSTRUCTION DETAILS**

DATE 03/14/16 SCALE AS SHOWN
BKF PROJECT NO. 20155137
CLIENT CITY OF SAUSALITO
SHEET NO. 07 OF 07
DRAWING NO. DT-01

811
Know what's below.
Call before you dig.