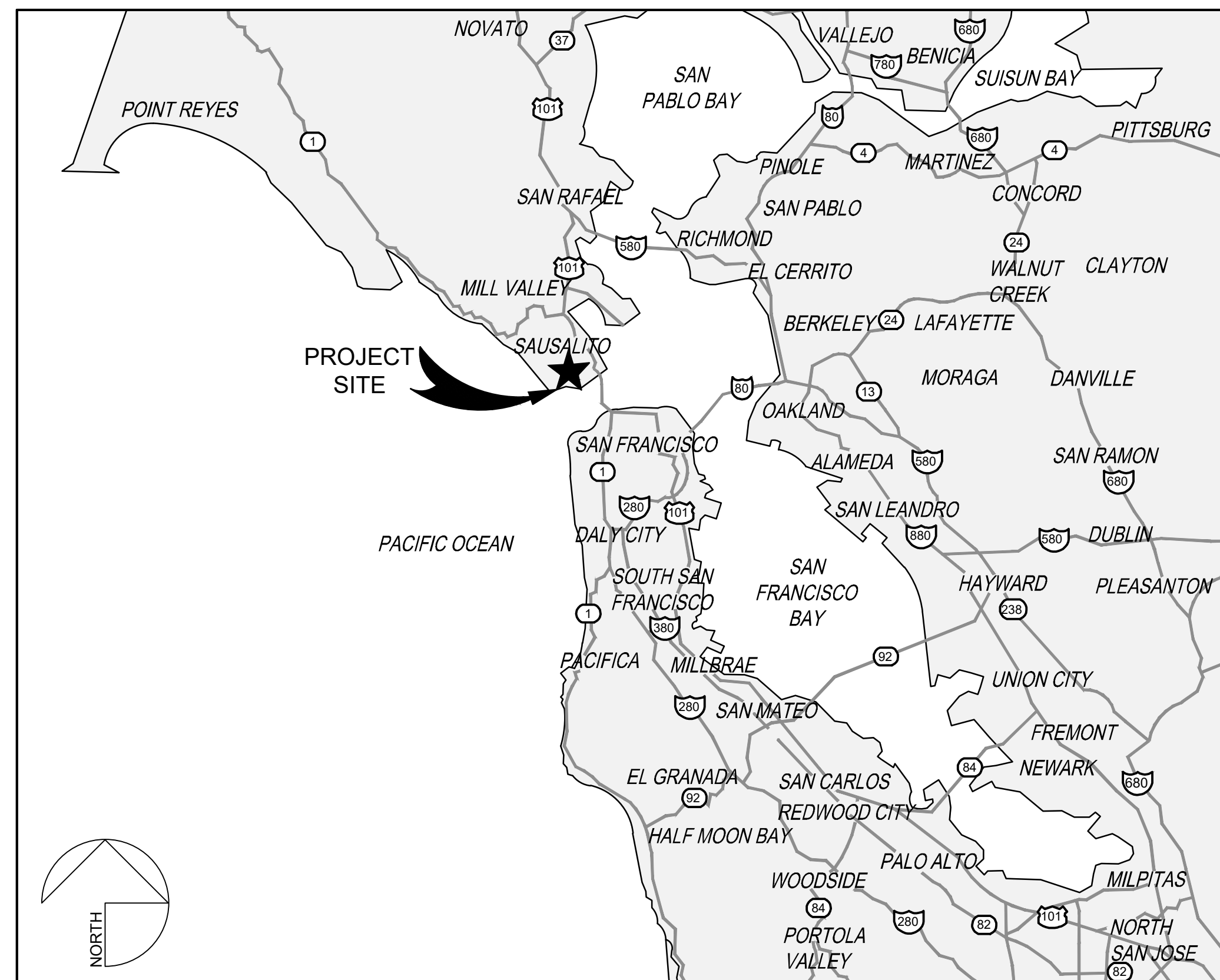
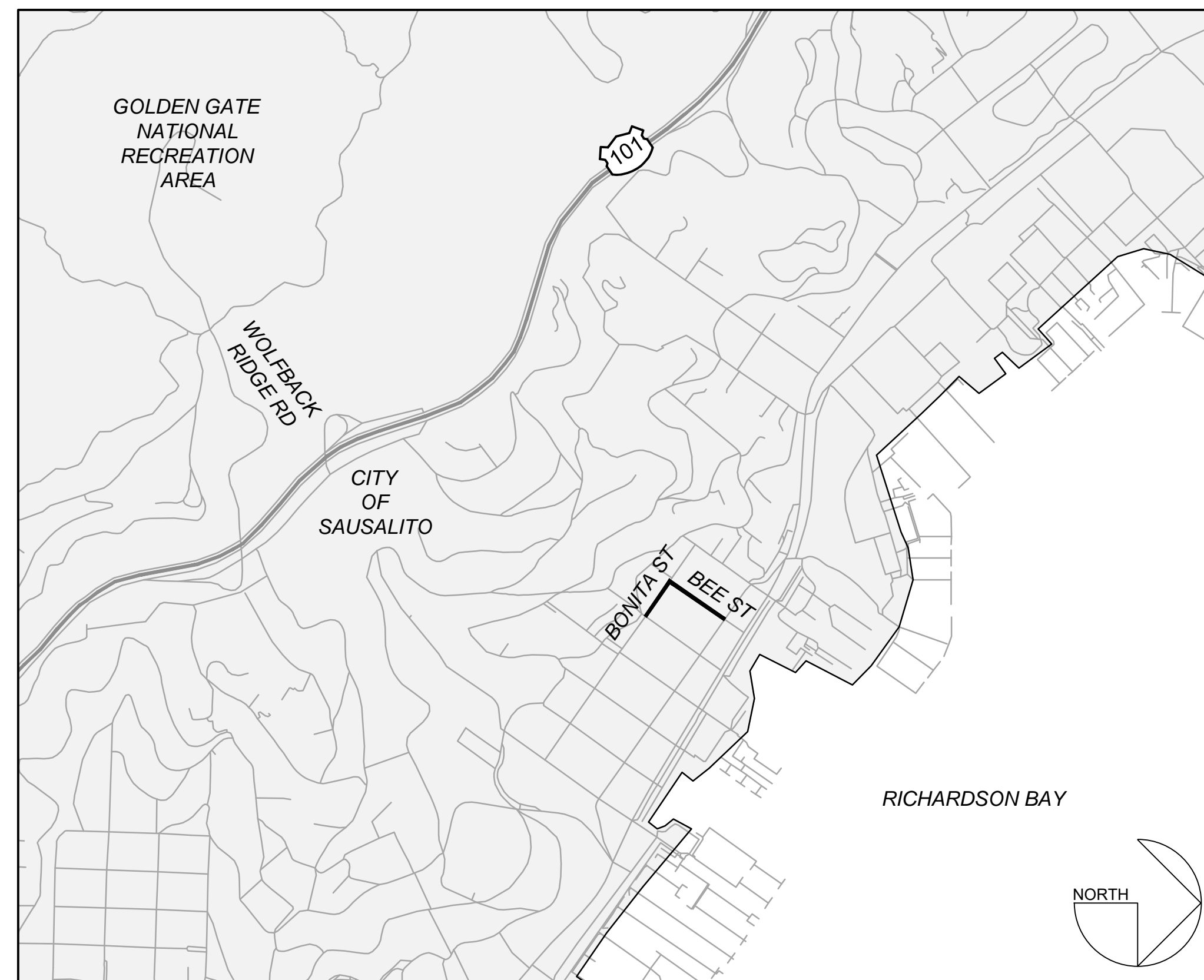


2020 SAUSALITO STREETS REHABILITATION PROJECT BEE STREET AND BONITA STREET

CITY OF SAUSALITO
MARIN COUNTY, CA



LOCATION MAP
NOT TO SCALE



PROJECT MAP
NOT TO SCALE

SHEET INDEX

SHEET NAME	DWG NO.	SHEET NO.
TITLE SHEET	TS.01	1
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HORIZONTAL CONTROL PLAN	HZ.01	3
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PROJECT

STREET	FROM	TO	REHABILITATION TYPE
BONITA ST	BEE ST	LITHO ST	PAVEMENT RECONSTRUCTION
BEE ST	CALEDONIA ST	BONITA ST	PAVEMENT RECONSTRUCTION

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: _____ DATE _____
KEVIN MCGOWAN
DIRECTOR OF PUBLIC WORKS

CITY OF SAUSALITO

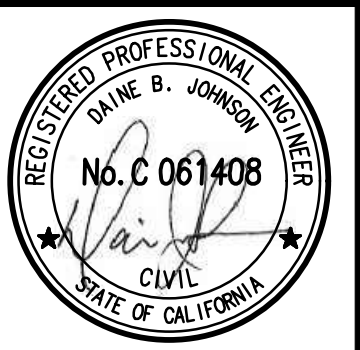
ANDREW A. DAVIDSON
CITY OF SAUSALITO SENIOR ENGINEER
415.289.4180
ADAVIDSON@SAUSALITO.GOV
420 LITHO STREET
SAUSALITO, CA 94965

CIVIL ENGINEER

DAYNE JOHNSON
925.940.2208
DJOHNSON@BKF.COM
BKF ENGINEERS
4040 CIVIC CENTER DR SUITE 530
SAN RAFAEL, CA 94903

REVISIONS

NO.	DESCRIPTION	BY	DATE



4040 CIVIC CENTER DRIVE
SUITE 530
SAN RAFAEL, CA 94903
415-932-7980 (TEL)
415-932-7979 (FAX)

BKF
ENGINEERS / SURVEYORS / PLANNERS

DESIGNED: BKF WC
CHECKED: DBJ
APPROVED: BKF WC
DBJ

CALIFORNIA

2020 SAUSALITO STREETS
REHABILITATION PROJECT
BEE ST & BONITA ST
TITLE SHEET

MARIN COUNTY
SAUSALITO

DATE	SCALE
MAY 2020	AS SHOWN
BKF PROJECT NO.	20165272
CLIENT	CITY OF SAUSALITO
SHEET NO.	01 OF 17
DRAWING NO.	TS.01



GENERAL PROJECT NOTES

- 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.
- 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.
- 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.
 3.1. CITY OF SAUSALITO ENCROACHMENT PERMIT
- CONTRACTOR SHALL MEET WITH CITY PRIOR TO START OF CONSTRUCTION. 48 HOURS NOTICE IS REQUIRED ON ALL INSPECTIONS.
- 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.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT FOR APPROVAL THE PROPOSED ROUTES FOR ALL CONSTRUCTION TRAFFIC RELATED TO THE PROJECT. UPON APPROVAL, THE CONTRACTOR SHALL STRICTLY ADHERE TO THE ROUTES ONLY. IN ADDITION TO THE CONTRACTOR'S PROPOSED ROUTE'S, A DETOUR PLAN SHALL BE SUBMITTED FOR APPROVAL BY THE CITY.
- CONTRACTOR SHALL MAINTAIN ACCESS TO RESIDENCES AND BUSINESSES 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.
- 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.
- CONTRACTOR SHALL NOTIFY THE UNDERGROUND SERVICES ALERT (U.S.A) 811 A MINIMUM OF TWO WORKING DAYS PRIOR TO THE START OF ANY EXCAVATION OR DEMOLITION OF IMPROVEMENTS.
- CONTRACTOR SHALL EXERCISE DUE CAUTION DURING CONSTRUCTION TO PROTECT ANY EXISTING LANDSCAPING, FIXTURES, EQUIPMENT, CONCRETE SIDEWALK, CONCRETE CURB AND GUTTER, EXISTING UTILITIES, EXISTING IMPROVEMENTS, CONCRETE PAVING 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.
- TRAFFIC CONTROL DURING CONSTRUCTION SHALL BE THE CONTRACTOR'S RESPONSIBILITY AND IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND ENCROACHMENT PERMIT. CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAGMEN, AND OTHER DEVICES NECESSARY TO ENSURE PUBLIC SAFETY WITHIN THE PROJECT SITE.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL PERFORM A SITE WALK OF EACH STREET TO IDENTIFY ANY SURVEY MONUMENTS WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL HIRE A LICENSED LAND SURVEYOR TO FILE A CORNER RECORD FOR THE CITY OF SAUSALITO MONUMENT IN ACCORDANCE WITH SECTION 8771 OF THE PROFESSIONAL LAND SURVEYORS ACT.
- ALL PAVEMENT CUTS SHALL BE SAWCUT, SMOOTH AND VERTICAL. THE PAVEMENT AREA BEING REMOVED SHALL BE RECTANGULAR, UNLESS SHOWN OTHERWISE ON PLANS.
- LOCATIONS AND SIZE OF LOCAL AC AND CONCRETE REPAIRS SHOWN ON THE PLANS ARE APPROXIMATE. ACTUAL LOCATIONS AND SIZE TO BE DETERMINED BY THE ENGINEER PRIOR TO CONSTRUCTION.
- 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.
- 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 OWNER.
- ALL MANHOLES, VALVES AND MONUMENT FRAMES SHALL BE SET TO FINISH GRADE SUCH THAT THERE ARE NO IRREGULARITIES WITH FINISHED GRADES.
- PROVIDE SMOOTH CONFORM TO EXISTING PAVEMENT AT ALL TRANSITIONS.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL OF THE WORK PERFORMED BY HIS SUBCONTRACTORS, WITHOUT EXCEPTION.
- THE CONTRACTOR SHALL IDENTIFY A RESPONSIBLE CONTACT, WHO IS AN EMPLOYEE OF THE CONTRACTOR, AND A 24-HOUR TELEPHONE NUMBER TO CALL TO RESOLVE PROBLEMS WITH NOISE, DUST OR OTHER CONSTRUCTION-RELATED ISSUES.
- CONSTRUCTION ACTIVITY SHALL BE RESTRICTED TO THE HOURS APPROVED BY THE CITY OF SAUSALITO.

DEMOLITION NOTES:

- CONTRACTOR SHALL PROTECT ALL EXISTING FENCES, WALLS, TREES, PRIVATE LANDSCAPING, CURBS, ABOVEGROUND UTILITIES (JOINT POLES, STREET LIGHTS), AND UNDERGROUND UTILITIES (STORM DRAIN, SANITARY SEWER, TELECOMMUNICATION, WATER & GAS) UNLESS OTHERWISE NOTED.
- EXISTING SIGNING AND STRIPING BEYOND PROJECT LIMITS ARE TO REMAIN. IF DAMAGED DURING CONSTRUCTION, CONTRACTOR SHALL RESTORE AT THEIR OWN EXPENSE.
- ALL VAULTS, VALVE AND MANHOLE LIDS ARE TO BE PROTECTED UNLESS OTHERWISE NOTED.
- ASPHALT REMOVAL SHALL EXTEND ENTIRE WIDTH OF ROADWAY. DEPTHS VARY; SEE DETAIL 4 SHEET CD.01 FOR EXISTING PAVEMENT & SECTIONS.**
- ALL EXISTING UTILITIES HAVE BEEN PLOTTED FROM RECORD INFORMATION AND FIELD TOPOGRAPHIC SURVEY. THE TYPES, LOCATION, SIZES AND DEPTH OF EXISTING UNDERGROUND UTILITIES SHOWN ON THESE PLANS MAY VARY AND ADDITIONAL FACILITIES MAY EXIST. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- SHALLOW UTILITIES MAY BE PRESENT. CONTRACTOR SHALL IDENTIFY AND LOCATE ALL UTILITIES IN PROJECT AREA PRIOR TO CONSTRUCTION AND SHALL PROTECT DURING CONSTRUCTION.
- ALL STRIPING SHALL BE REMOVED PRIOR TO DEMOLITION ACTIVITIES.
- PROTECT MONUMENTS.

ABBREVIATIONS

AB	AGGREGATE BASE
AC	ASPHALT CONCRETE
APRX.	APPROXIMATE
AVE	AVENUE
BLVD	BOULEVARD
BVCE	BEGINNING OF VERTICAL CURB ELEVATION
BVCS	BEGINNING OF VERTICAL CURB STATION
BW	BACK OF WALK
C&G	CURB AND GUTTER
C.O.M.	COUNTY OF MARIN
CONC	CONCRETE
DR	DRIVE
E	ELECTRIC OR EAST
EG	EXISTING GRADE
EP	EDGE OF PAVEMENT
EX	EXISTING
EVCE	END OF VERTICAL CURB ELEVATION
EVCS	END OF VERTICAL CURB STATION
FH	FIRE HYDRANT
FL	FLOW LINE
FS	FINISHED SURFACE
GB	GRADE BREAK
H	HORIZONTAL
HDPE	HIGH DENSITY POLYETHYLENE
HMA	HOT MIX ASPHALT
INV	INVERT
LF	LINEAR FEET
N	NORTH
NTS	NOT TO SCALE
PA	PAVEMENT
PCC	PORTLAND CEMENT CONCRETE
PL	PLACE
POC	POINT OF CURVATURE
PR	PROPOSED
PVI	POINT OF VERTICAL INTERSECTION
RCP	REINFORCED CONCRETE PIPE
SD	STORM DRAIN
SG	STREET
ST	STATION
STA	STATION
SS	SANITARY SEWER
SSMH	SANITARY SEWER MANHOLE
TC	TOP OF CURB
TYP	TYPICAL
V	VERTICAL
W	WATER
WV	WATER VALVE

EXISTING CONDITIONS LEGEND

	CONCRETE
	CONCRETE ROADWAY
	ASPHALT
	LANDSCAPE
	FENCE
	ELECTRICAL LINE
	GAS LINE
	SANITARY SEWER LINE
	STORM DRAIN LINE
	WATERLINE
	TELECOMMUNICATION LINE
	CLEANOUT
	FIRE HYDRANT
	GAS VALVE
	JOINT POLE
	SIGN
	STORM DRAIN CATCH BASIN
	TREE
	UTILITY BOX
	UTILITY MANHOLE
	WATER VALVE

DEMOLITION LEGEND

	REMOVE ROADWAY CONCRETE FULL DEPTH, 6"±
	REMOVE ASPHALT, 6"±
	REMOVE CONCRETE SIDEWALK
	CLEAR AND GRUB, SEE SPECIFICATIONS
	REMOVE CURB AND GUTTER
	REMOVE PAVEMENT MARKINGS
	REMOVE AND SALVAGE SIGN
	SAWCUT

DEMOLITION KEYNOTES

- PROTECT MANHOLE
- PROTECT WATER VALVE
- PROTECT DRAIN INLET

IMPROVEMENT LEGEND

	PROPOSED CONCRETE SIDEWALK, SEE DETAIL 1 SHEET CD.02
	PROPOSED ASPHALT ROADWAY SEE DETAIL 4 SHEET CD.01
	TRUNCATED DOMES, SEE DETAIL 2, SHEET CD.01
	ASPHALT CONFORM, SEE DETAIL 5, SHEET CD.01
	AC PLUG SEE DETAIL 6, SHEET CD.01
	PROPOSED LIMIT LINE (STOP LINE), SEE DETAIL 10, SHEET CD.01
	PAVEMENT MARKING WORD 'STOP', SEE DETAIL 10, SHEET CD.01
	PROPOSED CONTOUR
	BLUE RETROREFLECTIVE RAISED PAVEMENT MARKER, SEE CA MUTCD SECTION 3B.11 'LOCATION MARKERS FOR FIRE HYDRANTS.'

NOTES

- CONTRACTOR SHALL REPLACE ALL EXISTING STRIPING WITHIN SCOPE OF WORK UNLESS NOTED OTHERWISE.
- SEE UTILITY PLAN AND PROFILE FOR EXISTING UTILITY ADJUSTMENTS AND PROPOSED SEWER INFORMATION



NO.	DESCRIPTION	BY	DATE	APPVD



4640 CIVIC CENTER DRIVE
 SUITE 430
 SAN RAFAEL, CA 94903
 415-800-7980 (TEL)
 415-800-7979 (FAX)

BKF
 ENGINEERS / SURVEYORS / PLANNERS

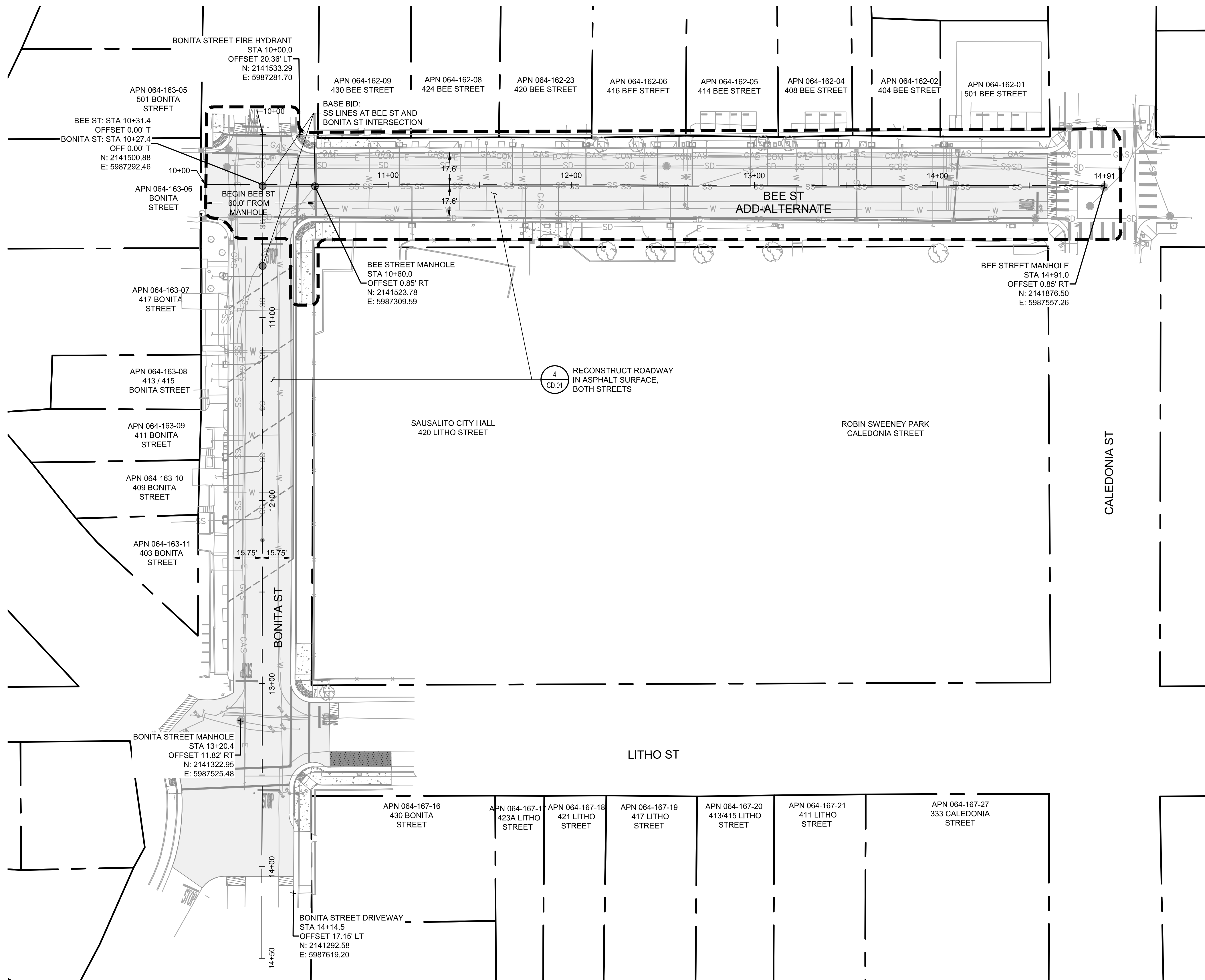
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 CHECKED: DBJ
 APPROVED: DBJ

2020 SAUSALITO STREETS
 REHABILITATION PROJECT
 BEE ST & BONITA ST
 LEGEND, ABBREVIATIONS, AND GENERAL NOTES

SAUSALITO
 MARIN COUNTY
 CALIFORNIA

DATE	MAY 2020	SCALE	AS SHOWN
BKF PROJECT NO.	20165272		
CLIENT	CITY OF SAUSALITO		
SHEET NO.	02 OF 17		
DRAWING NO.	GN.01		

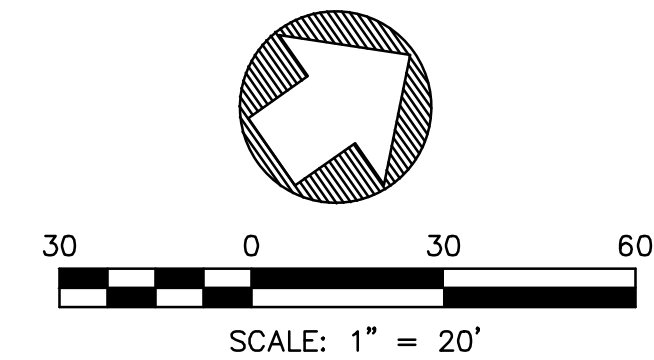
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 PLOT SCALE: 1" = 1'



HORIZONTAL CONTROL PLAN
 SCALE: 1" = 20'

GENERAL DESCRIPTION OF WORK:
 PROJECT SHALL INCLUDE RECONSTRUCTION OF ROADWAY, CURB RAMP AND SIDEWALK REPAIR, REPLACEMENT OF SANITARY SEWER MAIN AND LATERALS, SUBDRAINAGE AND STORM DRAIN IMPROVEMENTS.

- NOTES:**
1. ALL ROADWAY CENTERLINE MEASUREMENTS ARE TAKEN FROM LIP OF GUTTER.
 2. ALL MANHOLE OFFSETS ARE TAKEN TO CENTERLINE OF MANHOLE.
 3. COORDINATES SHOWN ARE IN NAVD88 FORMAT.
 4. MONUMENT LOCATED AT INTERSECTION OF CALEDONIA ST AND NAPA ST; N: 2142047.3262
E: 5987311.5016
 5. THIS SHEET IS FOR HORIZONTAL CONTROL ONLY, REFER TO OTHER SHEETS FOR ALL OTHER DETAILS AND ADDITIONAL INFORMATION.



NO.	DESCRIPTION	BY	DATE	APPVD



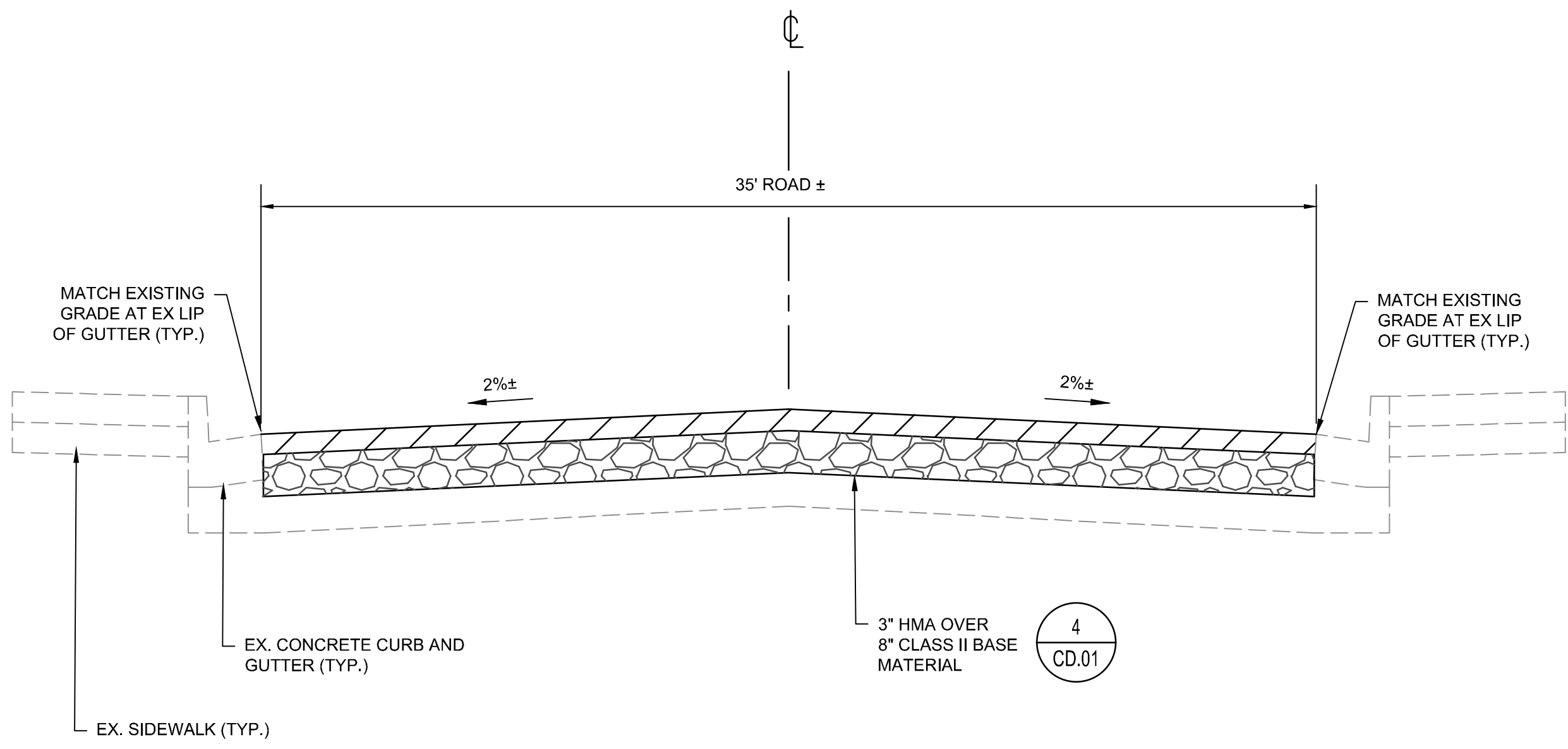
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4000 CIVIC CENTER DRIVE
 SUITE 800
 SAN RAFAEL, CA 94903
 415-890-7980 (TEL)
 415-890-7979 (FAX)

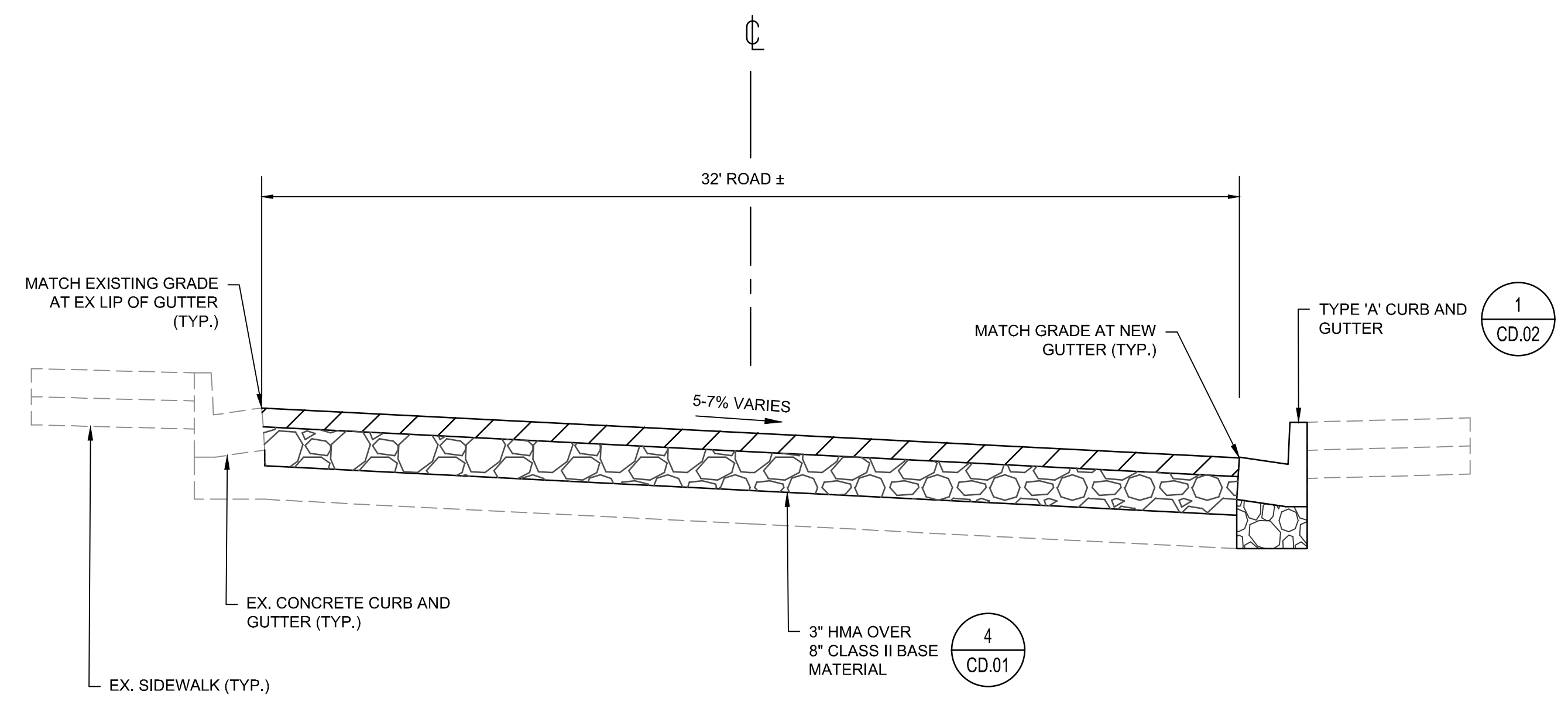
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CHECKED	DBJ
APPROVED	DBJ

2020 SAUSALITO STREETS
 REHABILITATION PROJECT
 BEE ST & BONITA ST
 HORIZONTAL CONTROL PLAN
 MARIN COUNTY
 CALIFORNIA
 SAUSALITO

DATE	MAY 2020	SCALE	AS SHOWN
BKF PROJECT NO.	20165272		
CLIENT	CITY OF SAUSALITO		
SHEET NO.	03 OF 17		
DRAWING NO.	HZ.01		



A
TY.01
BEE STREET- ADDITIVE ALTERNATE
SEE SHEET IM.01
NTS



B
TY.01
BONITA STREET - BASE BID
SEE SHEET IM.02
NTS

NOTES:

- WARNING:** SHALLOW UTILITIES MAY BE PRESENT. CONTRACTOR SHALL IDENTIFY AND LOCATE ALL EXISTING UTILITIES IN PROJECT AREA PRIOR TO CONSTRUCTION. PROTECT ALL UTILITIES DURING PAVEMENT RECONSTRUCTION.
- ANY UTILITY WITHIN 6 INCHES OF THE STRUCTURAL SECTION SHALL BE BACKFILLED WITH CONTROLLED DENSITY FILL (CDF) MATERIAL.
- FOR PROPOSED SUBDRAIN LINES ALONG BONITA STREET, SEE SHEET UT.02 AND DETAIL 9 ON SHEET CD.01

REVISIONS		NO.	DESCRIPTION	BY	DATE	APPVD



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4040 CIVIC CENTER DRIVE
SUITE 200
SAN RAFAEL, CA 94903
415-930-7980 (TEL)
415-930-7979 (FAX)

DESIGNED	DBJ
CHECKED	DBJ
APPROVED	DBJ

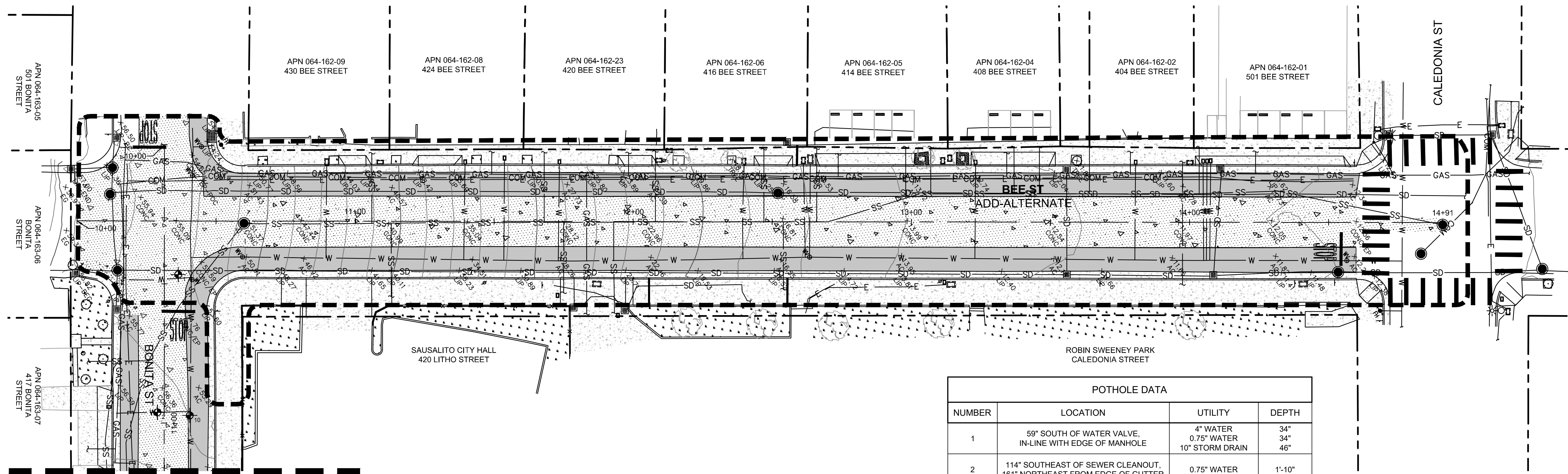
2020 SAUSALITO STREETS
REHABILITATION PROJECT
BEE ST & BONITA ST
TYPICAL SECTIONS

MARIN COUNTY
CALIFORNIA

SAUSALITO

DATE	MAY 2020	SCALE	AS SHOWN
BKF PROJECT NO.	20165272		
CLIENT	CITY OF SAUSALITO		
SHEET NO.	04 OF 17		
DRAWING NO.	TY.01		

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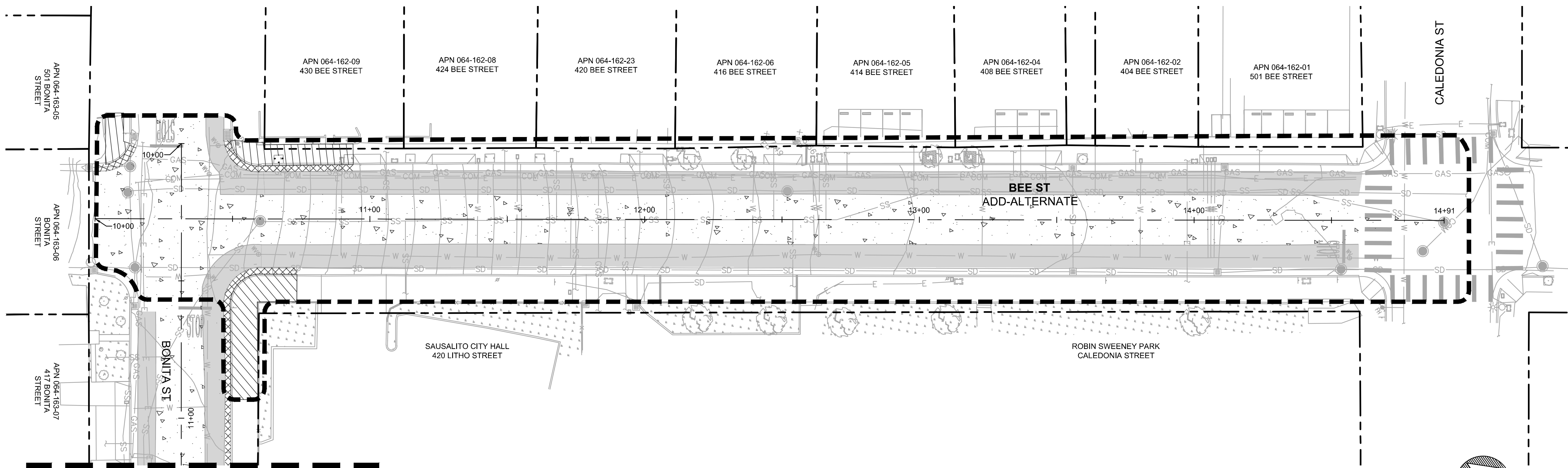


SEE EX.02 FOR BONITA ST

EXISTING CONDITIONS

SCALE: 1" = 20'

POTHOLE DATA			
NUMBER	LOCATION	UTILITY	DEPTH
1	59" SOUTH OF WATER VALVE, IN-LINE WITH EDGE OF MANHOLE	4" WATER 0.75" WATER 10" STORM DRAIN	34" 34" 46"
2	114" SOUTHEAST OF SEWER CLEANOUT, 161" NORTHEAST FROM EDGE OF GUTTER	0.75" WATER	1'-10"
10	37'-8" SOUTHEAST FROM STOP SIGN, 107' SOUTHWEST FROM FACE OF CURB	6" WATER	2'-6"

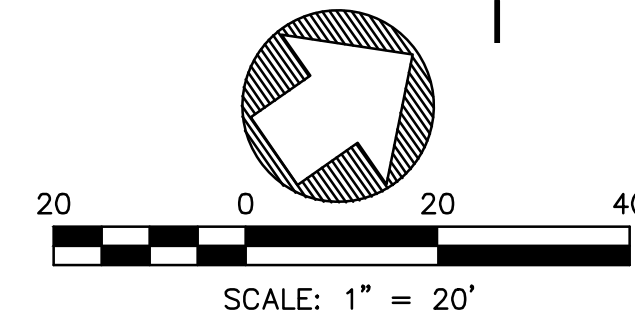


SEE EX.02 FOR BONITA ST

DEMOLITION PLAN

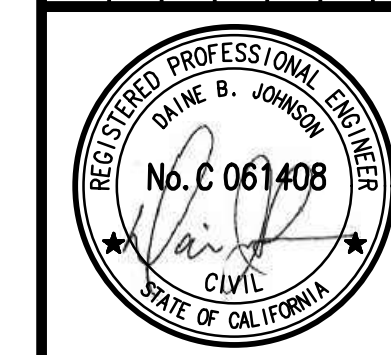
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NOTES:
 1. SEE SHEET GN.01 FOR LEGEND AND ABBREVIATIONS



REVISIONS

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 SUITE 830
 SAN RAFAEL, CA 94903
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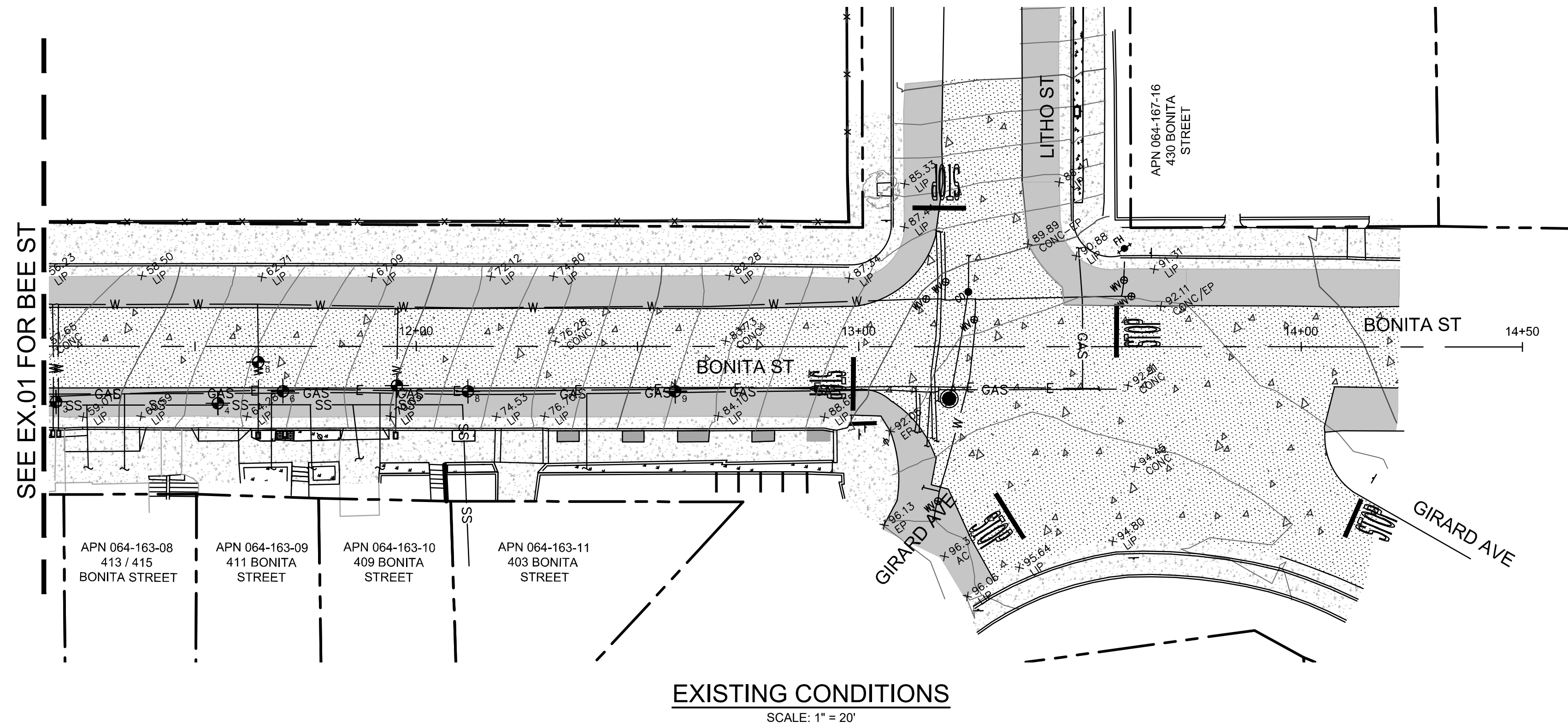
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2020 SAUSALITO STREETS
 REHABILITATION PROJECT
 BEE ST & BONITA ST
 EXISTING CONDITIONS AND DEMOLITION PLAN

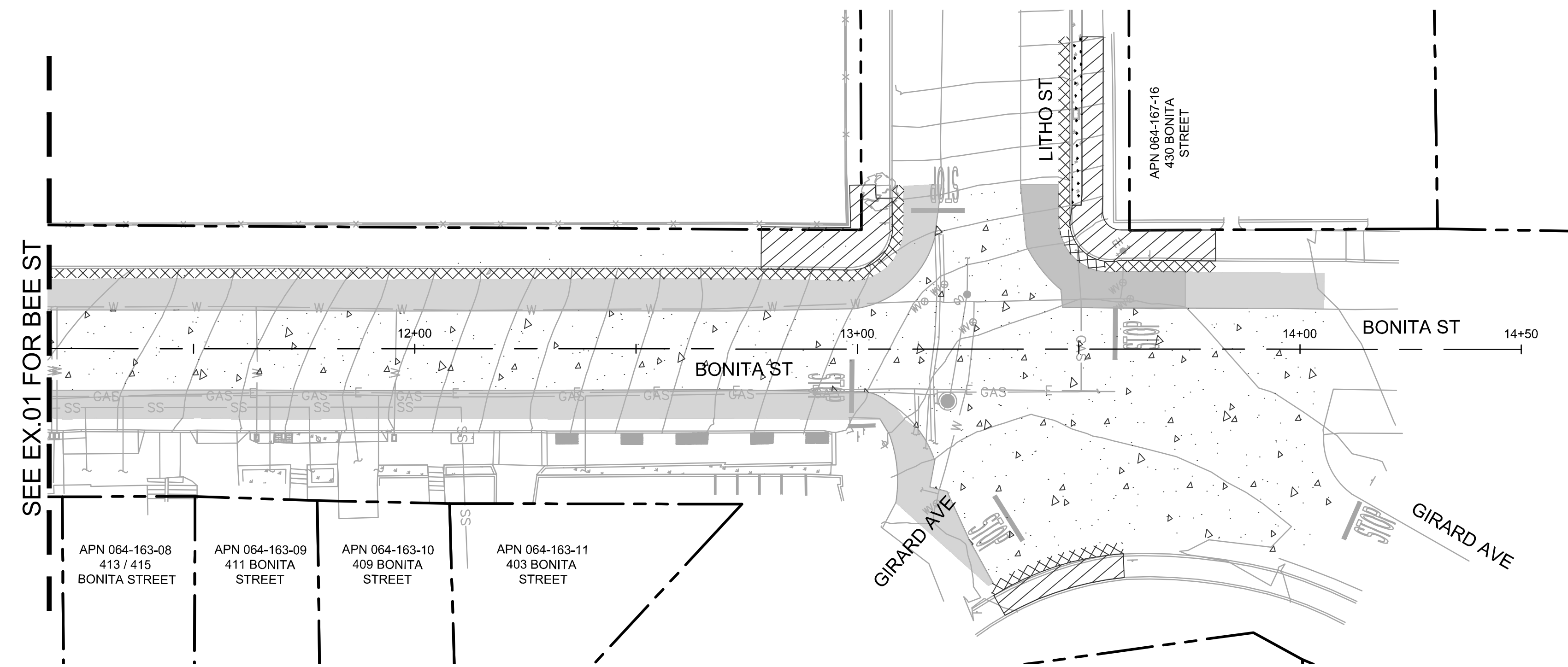
BEE ST
 MARIN COUNTY
 CALIFORNIA

DATE	SCALE
MAY 2020	AS SHOWN
BKF PROJECT NO.	20165272
CLIENT	CITY OF SAUSALITO
SHEET NO.	05 OF 17
DRAWING NO.	EX.01

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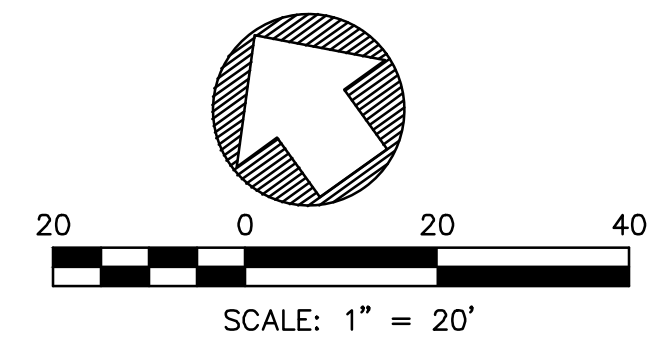


EXISTING CONDITIONS
 SCALE: 1" = 20'



DEMOLITION PLAN
 SCALE: 1" = 20'

NOTES:
 1. SEE SHEET GN.01 FOR LEGEND AND ABBREVIATIONS



POTHOLE DATA			
NUMBER	LOCATION	UTILITY	DEPTH
3	IN-LINE WITH WATER VALVE, 70" NORTHEAST FROM FACE OF CURB	2 - 0.75" WATER 6" GAS	14" 33"
4	IN-LINE WITH CENTER OF DRIVEWAY, 69" NORTHEAST FROM FACE OF CURB	6" GAS	27"
5	167" NORTHEAST OF POWER POLE, 147" SOUTHEAST FROM EDGE OF GUTTER	0.75" WATER	12"
6	100" SOUTHEAST FROM POWER POLE, 100" NORTHEAST FROM FACE OF CURB	6" GAS	24"
7	208" NORTHEAST FROM POWER POLE, 84" SOUTHEAST FROM EDGE OF GUTTER	0.75" WATER	13"
8	196" SOUTHEAST FROM WATER VALVE, 100" NORTHEAST FROM FACE OF CURB	6" GAS	26"
9	41'-9" NORTHWEST FROM STOP SIGN, 100" NORTHEAST FROM FACE OF CURB	6" GAS	32"

NO.	DESCRIPTION	BY	DATE	APPVD



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4040 CIVIC CENTER DRIVE
 SUITE 200
 SAN RAFAEL, CA 94903
 415-892-7880 (TEL)
 415-892-7979 (FAX)

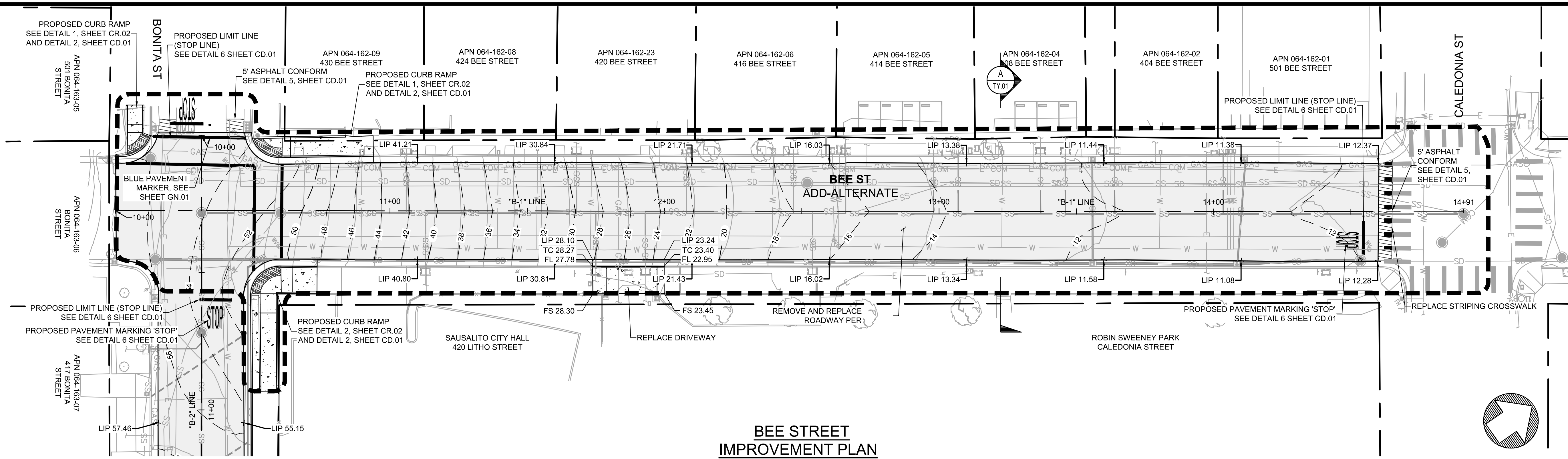
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 DBU

2020 SAUSALITO STREETS
 REHABILITATION PROJECT
 BEE ST & BONITA ST
 EXISTING CONDITIONS AND DEMOLITION PLAN

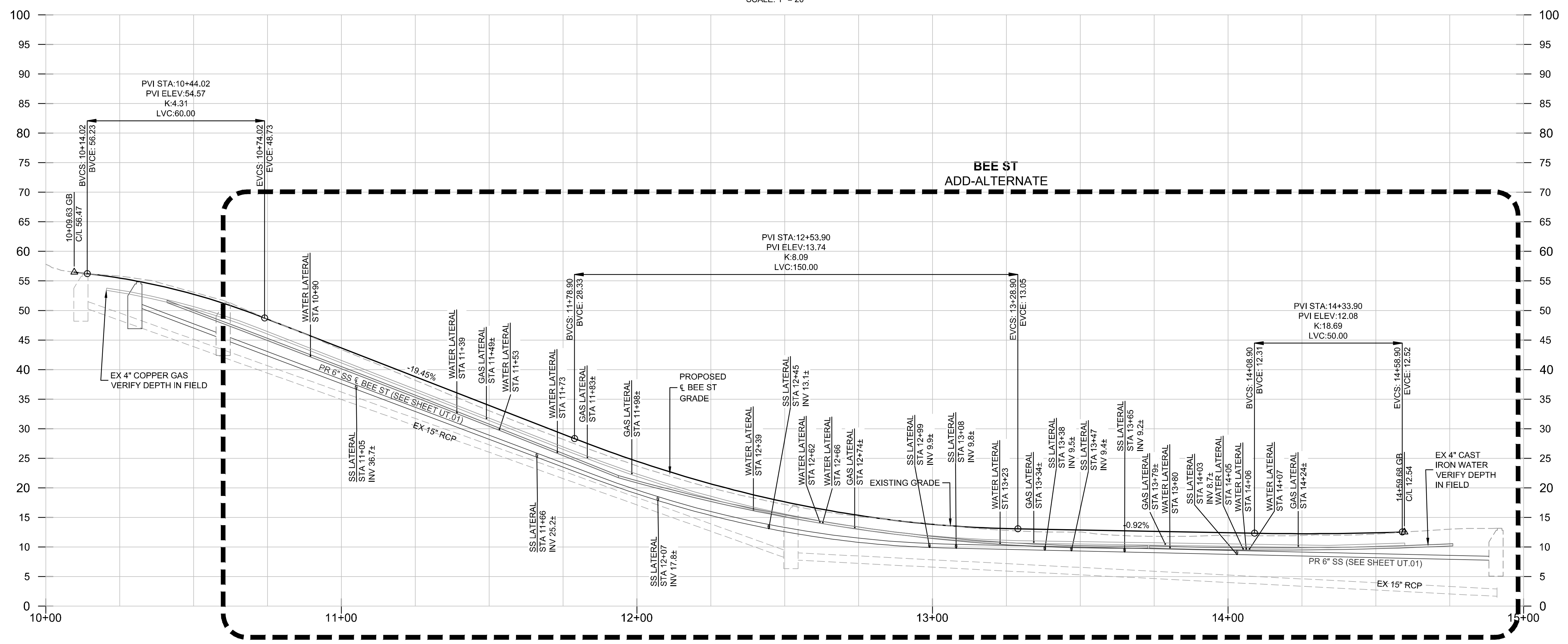
SAUSALITO
 BONITA ST
 MARIN COUNTY
 CALIFORNIA

DATE	SCALE
MAY 2020	AS SHOWN
BKF PROJECT NO.	20165272
CLIENT	CITY OF SAUSALITO
SHEET NO.	06 OF 17
DRAWING NO.	EX.02

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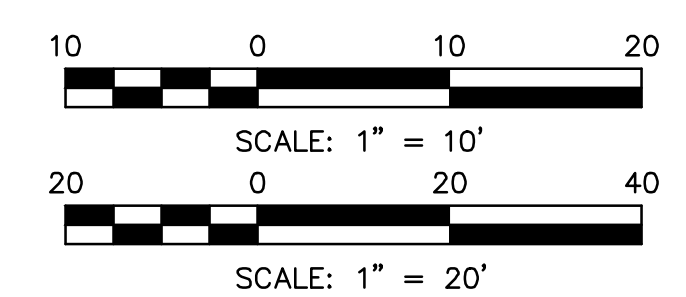


BEE STREET IMPROVEMENT PLAN
 SCALE: 1" = 20'



"B-1" LINE PROFILE VIEW
 SCALE: 1" = 20' H
 1" = 10' V

NOTE:
 1. CONTRACTOR SHALL GRADE ROADWAY FROM CENTER LINE AND SLOPE BOTH SIDES OF STREET TO MATCH AT EXISTING LIP OF GUTTER.



NO.	DESCRIPTION	BY	DATE	APPVD



BKF
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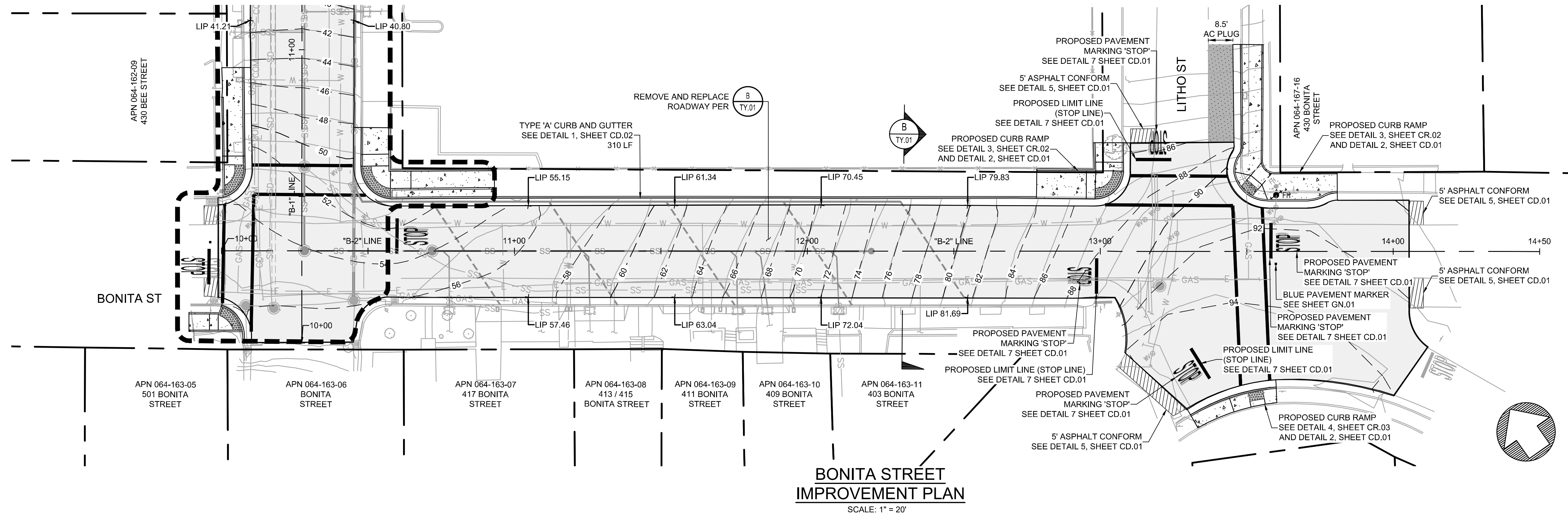
4040 CIVIC CENTER DRIVE
 SUITE 200
 SAN RAFAEL, CA 94903
 415-892-7980 (TEL)
 415-892-7979 (FAX)

DESIGNED: BKF WC
 CHECKED: DBJ
 DRAWN: BKF WC
 APPROVED: DBJ

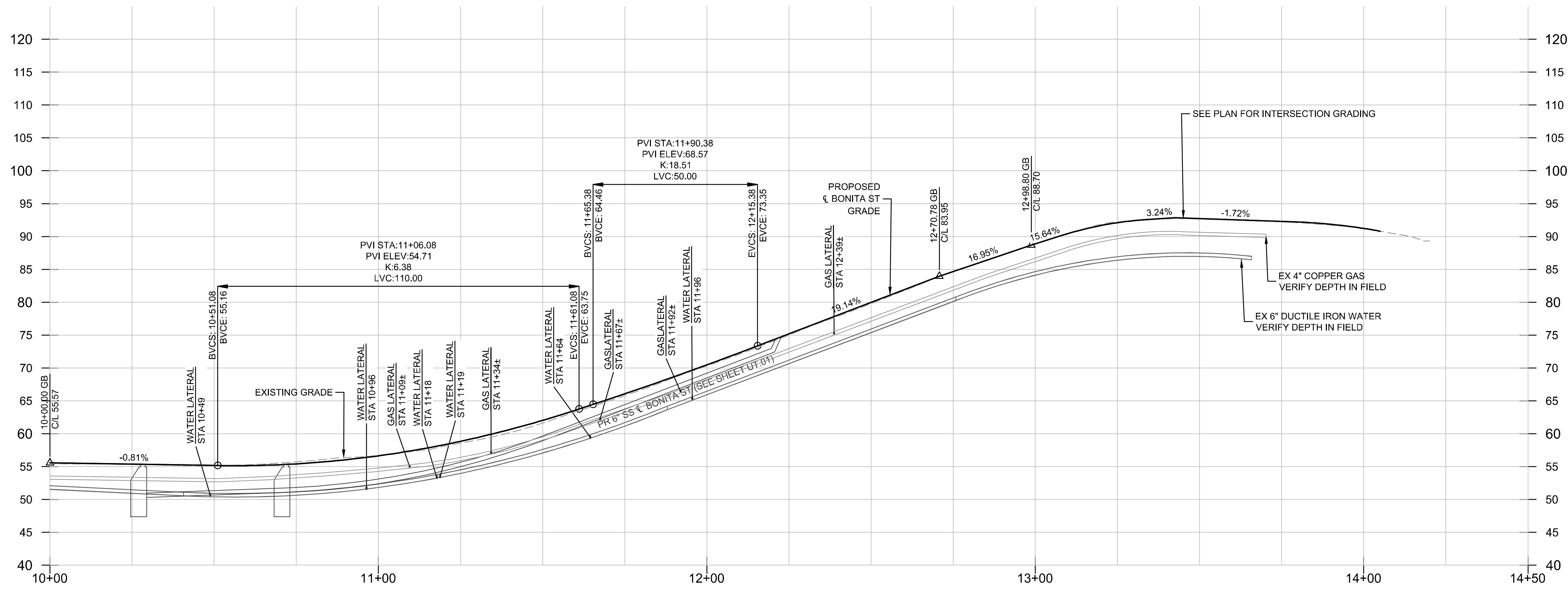
CALIFORNIA

2020 SAUSALITO STREETS REHABILITATION PROJECT
 BEE ST & BONITA ST
 STREET IMPROVEMENT PLAN
 MARIN COUNTY

DATE	MAY 2020	SCALE	AS SHOWN
BKF PROJECT NO.	20165272		
CITY OF SAUSALITO			
SHEET NO.	07 OF 17		
DRAWING NO.	IM.01		

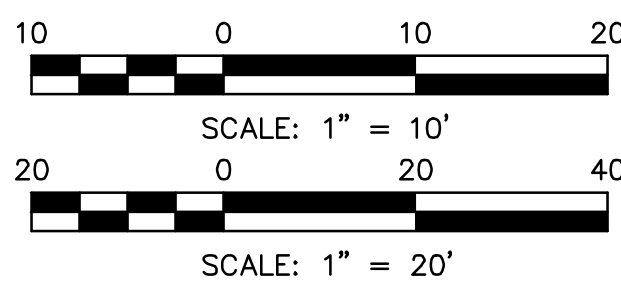


BONITA STREET IMPROVEMENT PLAN
SCALE: 1" = 20'



"B-2" LINE PROFILE VIEW
SCALE: 1" = 20' H
1" = 10' V

NOTE:
1. CONTRACTOR SHALL GRADE ROADWAY FROM CENTER LINE AND SLOPE BOTH SIDES OF STREET TO MATCH AT EXISTING LIP OF GUTTER.



NO.	DESCRIPTION	BY	DATE	APP'D



BKF
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4040 CIVIC CENTER DRIVE
SUITE 200
SAN RAFAEL, CA 94903
415-990-7980 (TEL)
415-990-7979 (FAX)

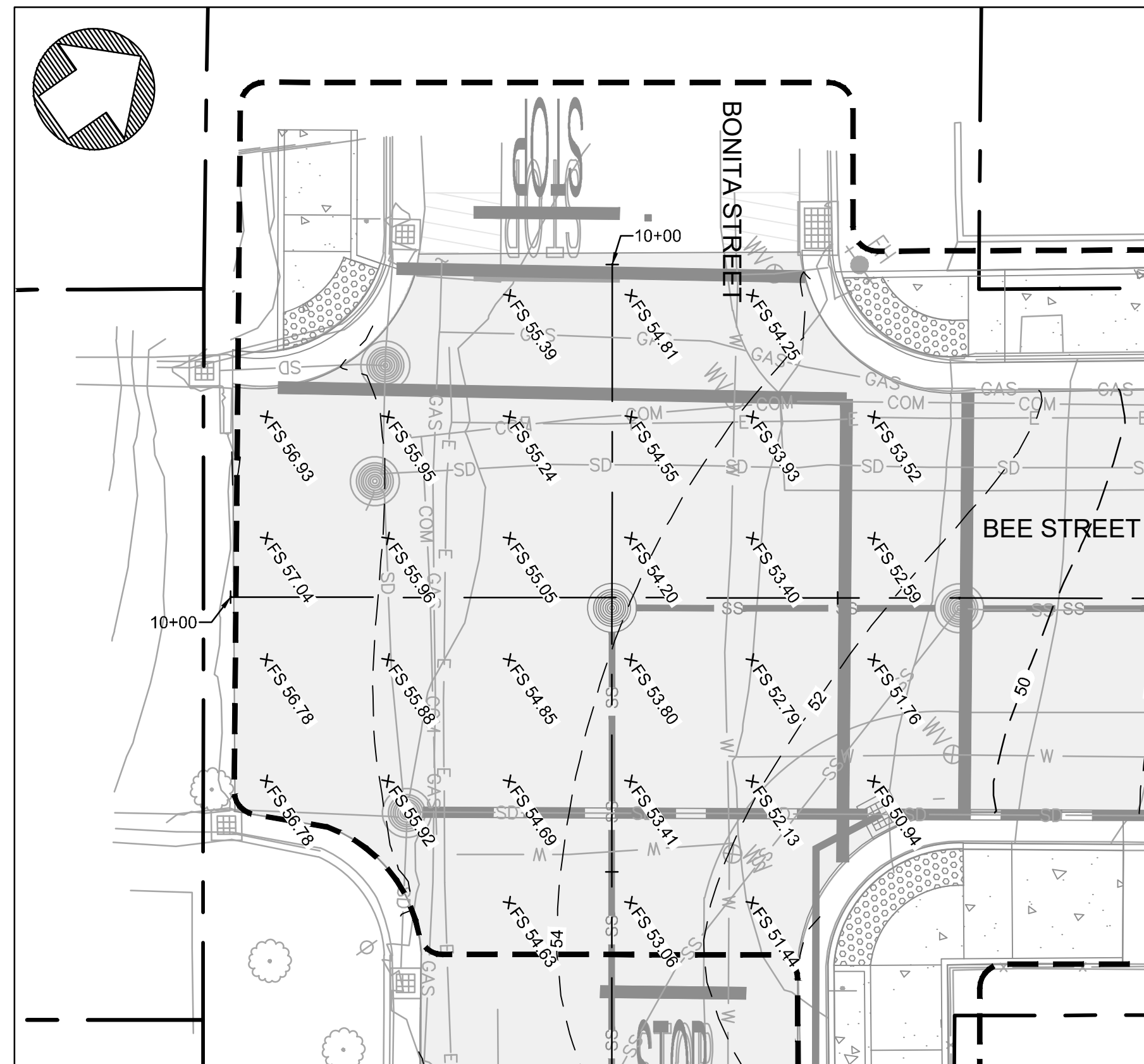
DESIGNED: BKF WC
CHECKED: DBJ
APPROVED: DBJ

2020 SAUSALITO STREETS REHABILITATION PROJECT
BEE ST & BONITA ST
STREET IMPROVEMENT PLAN

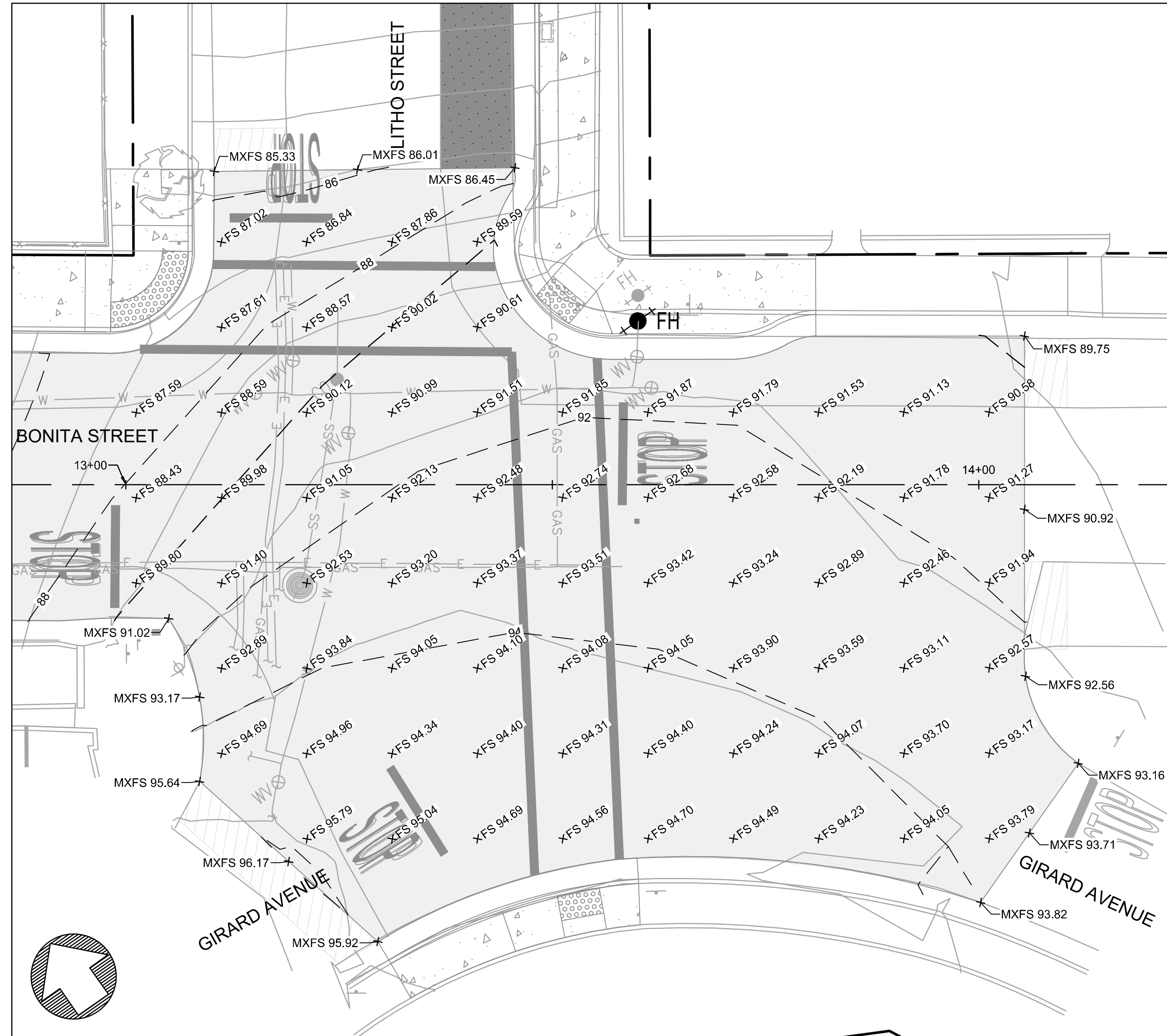
MARIN COUNTY CALIFORNIA
SAUSALITO

DATE	SCALE
MAY 2020	AS SHOWN
BKF PROJECT NO.	20165272
CLIENT	CITY OF SAUSALITO
SHEET NO.	08 OF 17
DRAWING NO.	IM.02

K:\2016\165272_Sausalito 2016-2019 Street Rehab\ENG\SHEETS\Bee & Bonita\04_SSIMP.dwg 5-08-20 11:06:49 AM kled
PLOT SCALE: 1" = 1'



**BEE ST AND BONITA ST
INTERSECTION GRADING**
SCALE: 1" = 10'



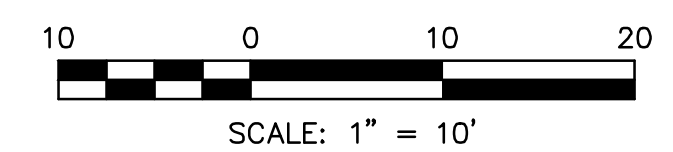
**BONITA ST AND LITHO STREET
INTERSECTION GRADING**
SCALE: 1" = 10'

LEGEND:

XFS 95.00 FINISH SURFACE ELEVATION

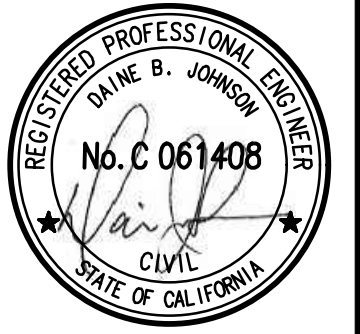
NOTES:

1. CONTRACTOR SHALL GRADE ROADWAY FROM CENTER LINE AND SLOPE BOTH SIDES OF STREET TO MATCH AT EXISTING LIP OF GUTTER.
2. SEE SHEETS IM.01 AND IM.02 FOR ADDITIONAL GRADING INFORMATION.



REVISIONS

NO.	DESCRIPTION	BY	DATE	APPROVED



4040 CIVIC CENTER DRIVE
SUITE 200
SAN RAFAEL, CA 94903
415-952-7980 (TEL)
415-952-7979 (FAX)

BKF
ENGINEERS / SURVEYORS / PLANNERS

DRAWN: BKF WC
DESIGNED: BKF WC
CHECKED: DBJ
APPROVED: DBJ

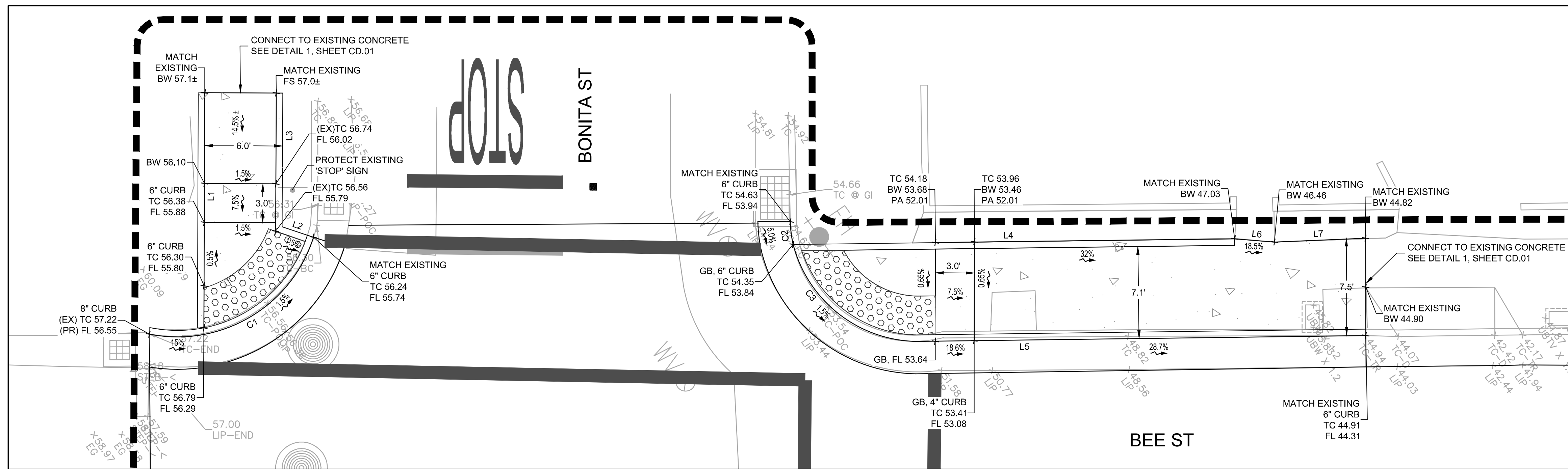
2020 SAUSALITO STREETS
REHABILITATION PROJECT
BEE ST & BONITA ST

INTERSECTION GRADING PLAN
MARIN COUNTY
CALIFORNIA

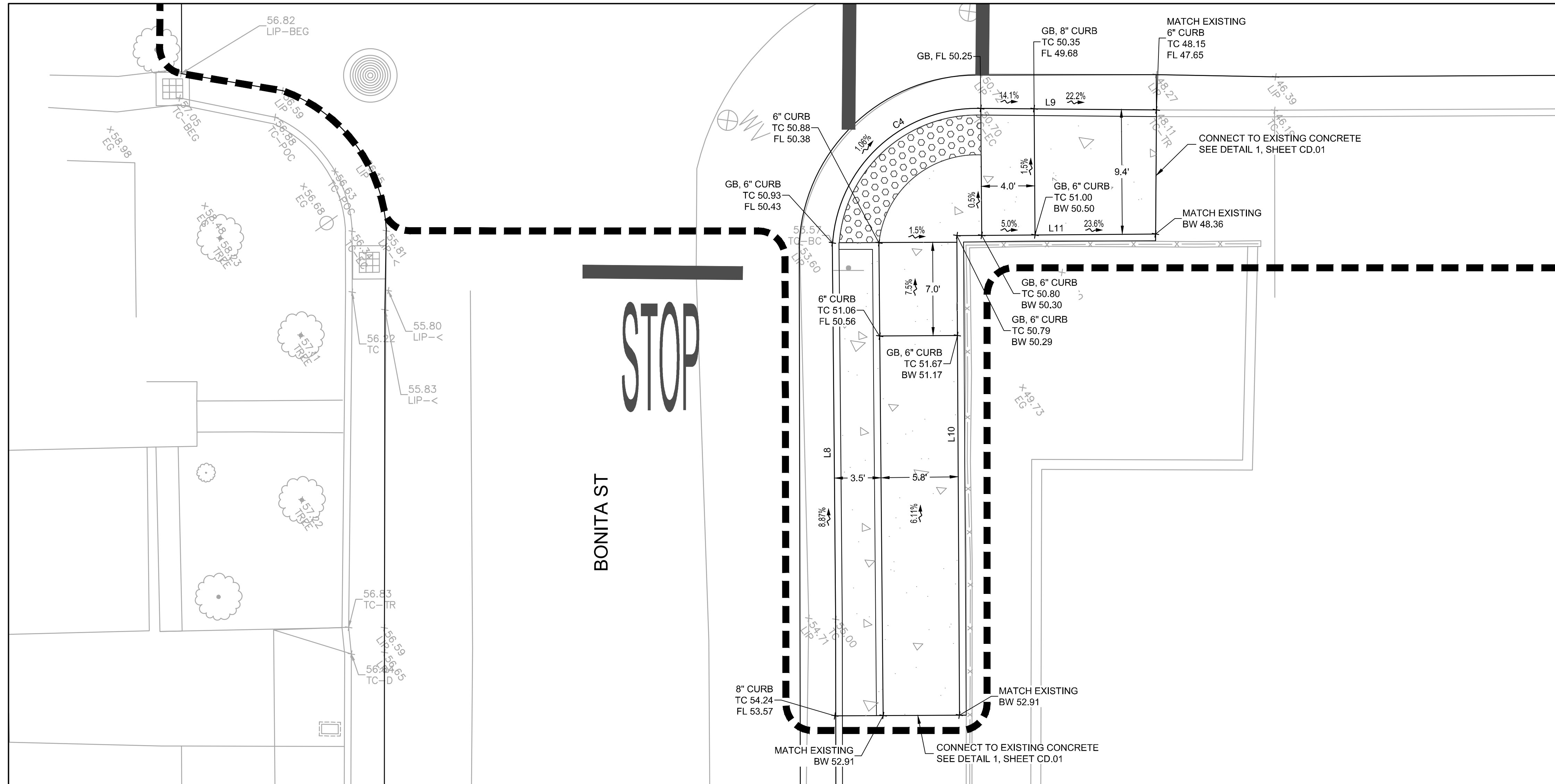
DATE MAY 2020	SCALE AS SHOWN
BKF PROJECT NO. 20165272	
CLIENT CITY OF SAUSALITO	
SHEET NO. 9 OF 17	
DRAWING NO. GR.01	

SAUSALITO

K:\2016\165272_Sausalito 2016-2019 Street Rehab\ENG\SHEETS\Bee & Bonita\05_CurbRampDetails.dwg 5-08-20 11:11:12 AM kled
 PLOT SCALE: 1" = 1'



1 SOUTHWEST CURB RAMPS AT BEE ST AND BONITA ST
 SCALE: 1" = 5'

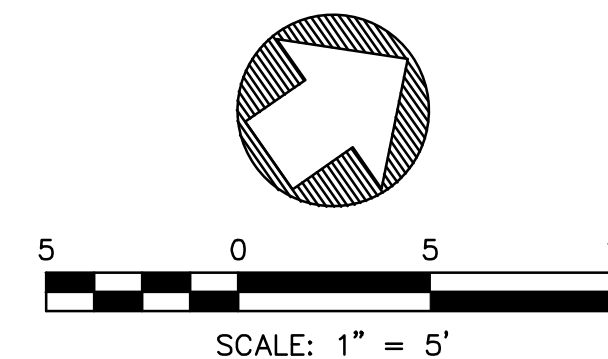


2 EAST CURB RAMP AT BEE ST AND BONITA ST
 SCALE: 1" = 5'

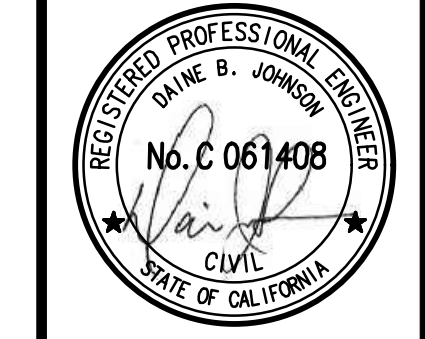
NOTES:
 1. SEE SHEET GN.01 FOR LEGEND AND ABBREVIATIONS

LINE TABLE		
LINE NO.	LENGTH	DIRECTION
L1	18.13	S54°46'59"E
L2	2.04	S53°55'19"W
L3	10.31	S54°46'59"E
L4	34.05	N34°16'41"E
L5	34.70	S34°14'51"W
L6	3.08	N39°38'49"E
L7	7.03	N32°33'37"E
L8	35.52	S55°23'57"E
L9	13.18	S35°28'56"W
L10	36.00	N55°17'32"W
L11	14.91	N34°33'12"E

CURVE TABLE			
CURVE NO.	LENGTH	RADIUS	DELTA
C1	16.16	11.00	084°11'12"
C2	1.77	9.00	011°14'27"
C3	12.96	10.00	074°13'47"
C4	16.58	10.85	087°34'27"



REVISIONS		DESCRIPTION	BY	DATE	APPVD



4040 CIVIC CENTER DRIVE
 SUITE 800
 SAN RAFAEL, CA 94903
 415-892-7880 (TEL)
 415-892-7979 (FAX)

BKF
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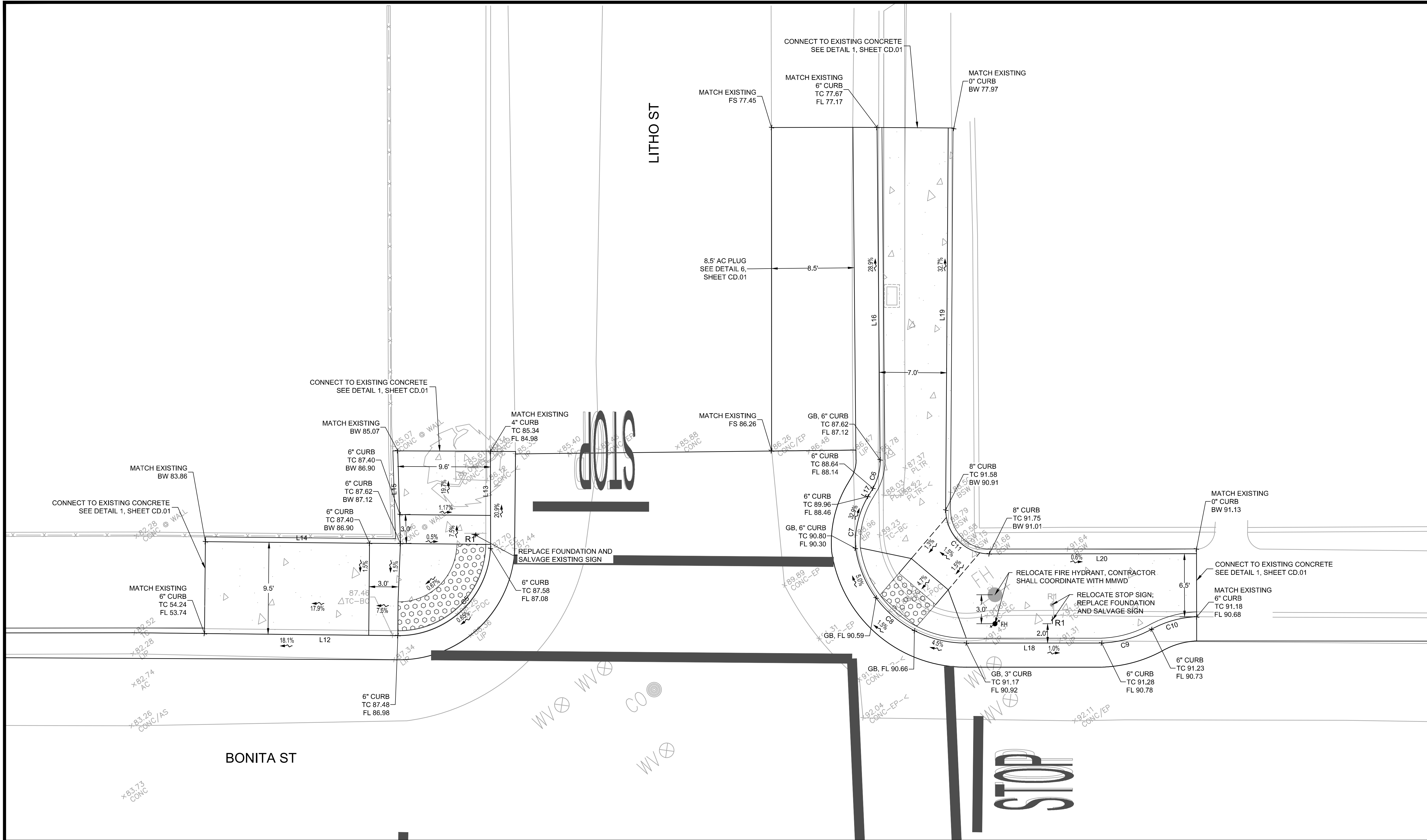
DESIGNED: BKF WC
 DRAWN: BKF WC
 CHECKED: DBJ
 APPROVED: DBJ

2020 SAUSALITO STREETS
 REHABILITATION PROJECT
 BEE ST & BONITA ST
 CURB RAMP DETAILS

SAUSALITO MARIN COUNTY CALIFORNIA

DATE: MAY 2020 SCALE: AS SHOWN
 BKF PROJECT NO.: 20165272
 CLIENT: CITY OF SAUSALITO
 SHEET NO.: 10 OF 17
 DRAWING NO.: CR.01

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 PLOT SCALE: 1" = 1'

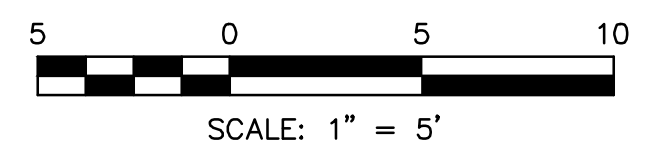


3 NORTH CURB RAMP AT BONITA ST AND LITHO ST
 SCALE: 1" = 5'

LINE NO.	LENGTH	DIRECTION
L12	20.05	N54°23'19"W
L13	10.04	N34°54'17"E
L14	20.19	S54°26'03"E
L15	9.61	N33°19'10"E
L16	34.40	N34°27'47"E
L17	1.00	S65°31'05"W
L18	14.00	S54°59'49"E
L19	39.56	S35°22'51"W
L20	21.45	N55°02'01"W

CURVE NO.	LENGTH	RADIUS	DELTA
C5	14.58	9.50	087°55'18"
C6	3.09	6.00	029°29'56"
C7	5.59	9.50	033°43'36"
C8	16.47	11.50	082°03'54"
C9	5.38	11.50	026°48'51"
C10	4.90	10.51	026°41'11"
C11	7.10	4.50	090°24'52"

NOTES:
 1. SEE SHEET GN.01 FOR LEGEND AND ABBREVIATIONS



NO.	DESCRIPTION	BY	DATE	APPVD



BKF
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4040 CIVIC CENTER DRIVE
 SUITE 300
 SAN RAFAEL, CA 94903
 415-890-7980 (TEL)
 415-890-7979 (FAX)

DESIGNED: BKF WC
 DRAWN: BKF WC
 CHECKED: DBU
 APPROVED: DBU

2020 SAUSALITO STREETS
 REHABILITATION PROJECT
 BEE ST & BONITA ST
 CURB RAMP DETAILS

MARIN COUNTY
 CALIFORNIA

DATE: MAY 2020
 SCALE: AS SHOWN

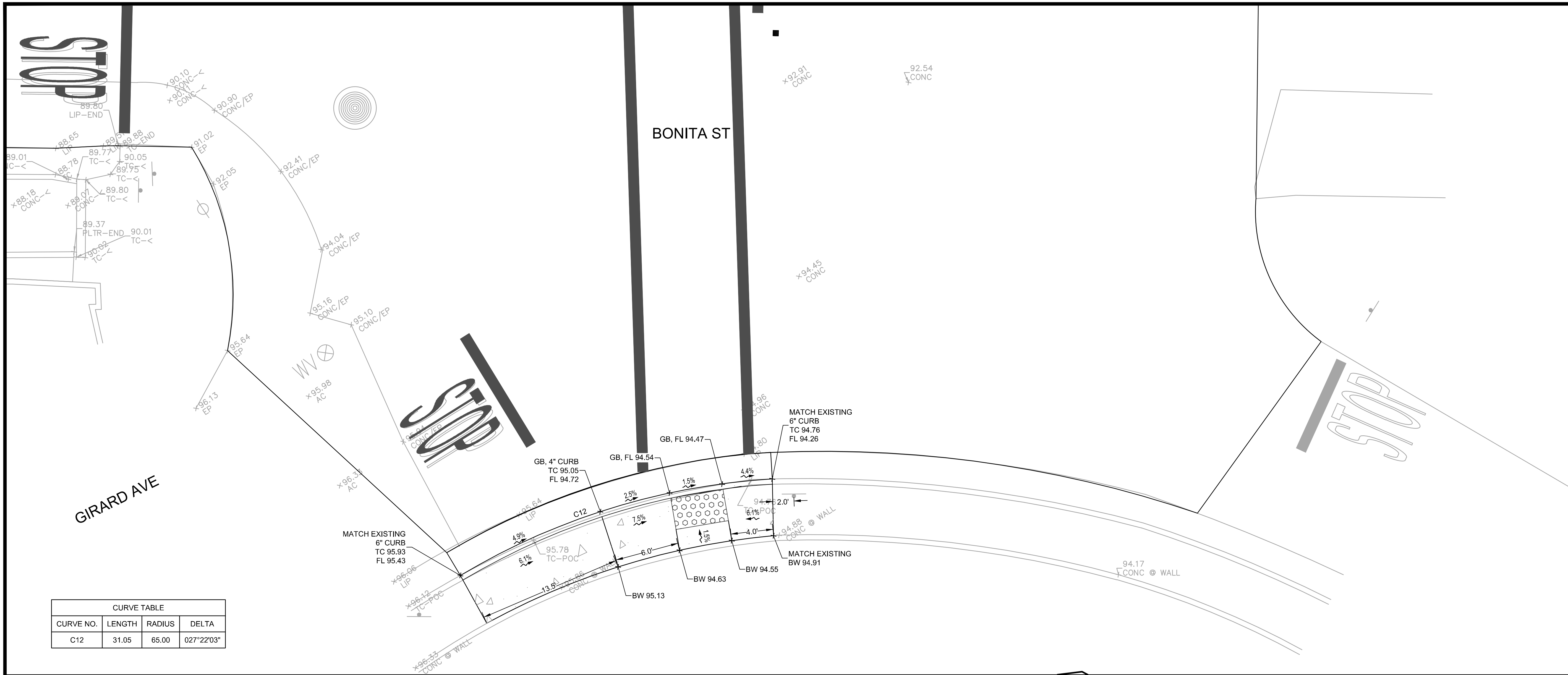
BKF PROJECT NO.: 20165272

CITY OF SAUSALITO

SHEET NO.: 11 OF 17

DRAWING NO.: CR.02

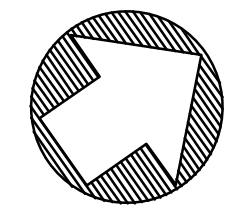
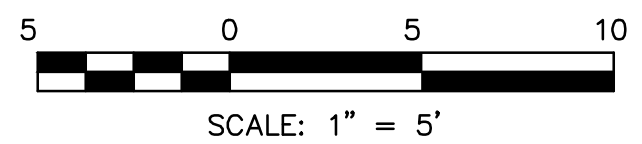
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 PLOT SCALE: 1" = 1'



CURVE TABLE			
CURVE NO.	LENGTH	RADIUS	DELTA
C12	31.05	65.00	027°22'03"

4 NORTHEAST AND SOUTH CURB RAMPS AT BONITA ST AND LITHO ST
 SCALE: 1" = 5'

NOTES:
 1. SEE SHEET GN.01 FOR LEGEND AND ABBREVIATIONS



NO.	DESCRIPTION	BY	DATE	APPVD



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 ENGINEERS / SURVEYORS / PLANNERS

4040 CIVIC CENTER DRIVE
 SUITE 200
 SAN RAFAEL, CA 94903
 415-892-7800 (TEL)
 415-892-7979 (FAX)

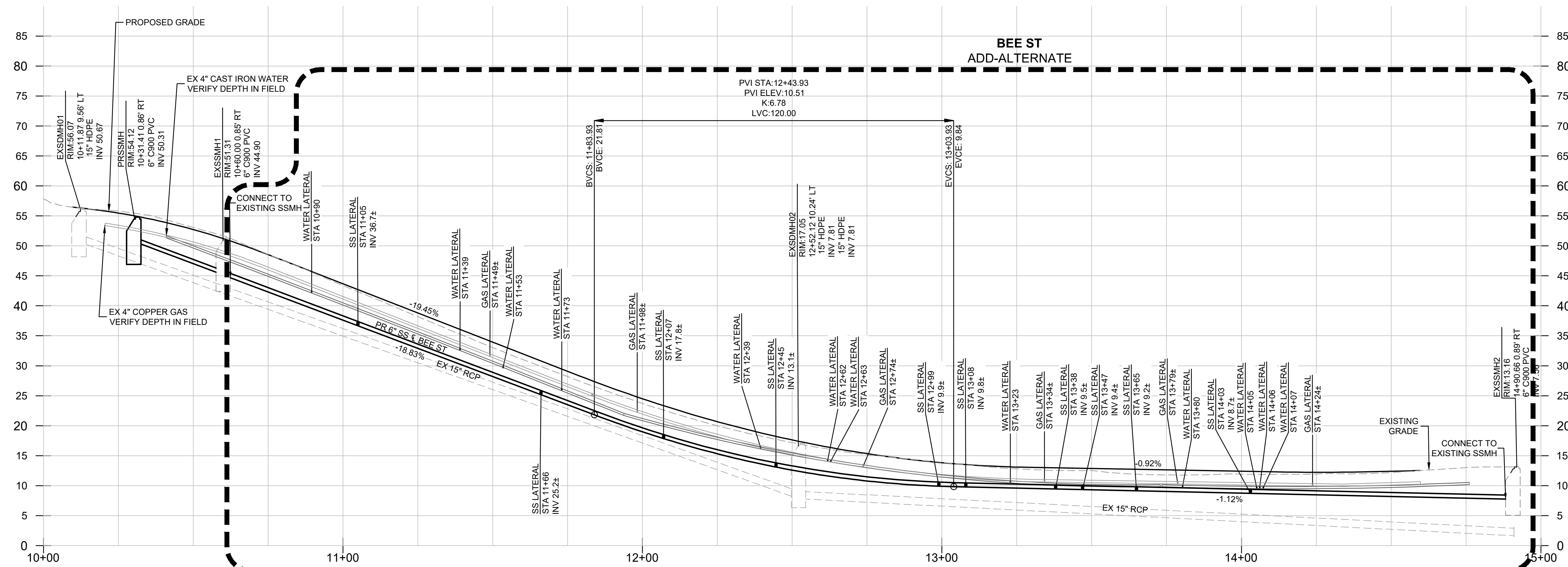
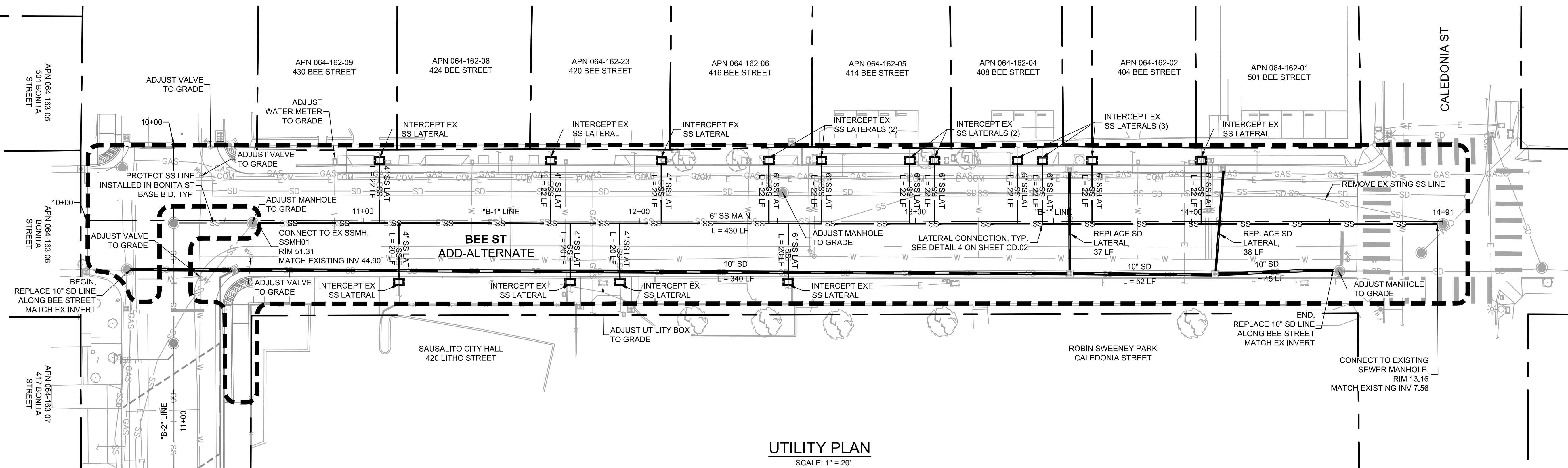
DRAWN: BKF WC
 DESIGNED: BKF WC
 CHECKED: DBJ
 APPROVED: DBJ

2020 SAUSALITO STREETS
 REHABILITATION PROJECT
 BEE ST & BONITA ST
 CURB RAMP DETAILS

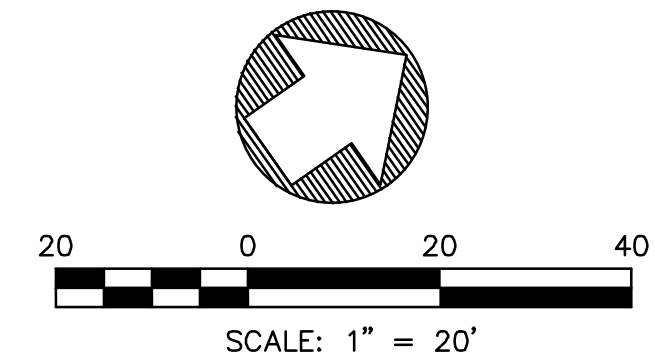
SAUSALITO
 MARIN COUNTY
 CALIFORNIA

DATE	SCALE
MAY 2020	AS SHOWN
BKF PROJECT NO. 20165272	
CLIENT CITY OF SAUSALITO	
SHEET NO. 12 OF 17	
DRAWING NO. CR.03	

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 PLOT SCALE: 1" = 1'



- LEGEND**
- SS — SEWER MAIN - C900 SDR18 PVC, 6"
 SEWER LATERAL - HDPE SDR11 PVC, SIZE PER PLAN
 SEE SPECIFICATIONS AND DETAIL 3, SHEET CD.02
 - 10" HDPE SDR11 STORM DRAIN PIPE
 SEE SPECIFICATIONS
 - SANITARY SEWER MANHOLE
 SEE SPECIFICATIONS AND DETAIL 2, SHEET CD.02
 - RODDING INLET
 SEE SPECIFICATIONS AND DETAIL 1, SHEET CD.03
 - SEWER CLEANOUT AND BACKWATER PREVENTION DEVICE
 SEE SPECIFICATIONS AND DETAILS 2 AND 3, SHEET CD.03



REVISIONS

NO.	DESCRIPTION	BY	DATE	APP'D



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4040 CIVIC CENTER DRIVE
 SUITE 630
 SAN RAFAEL, CA 94903
 415-890-7980 (TEL)
 415-890-7979 (FAX)

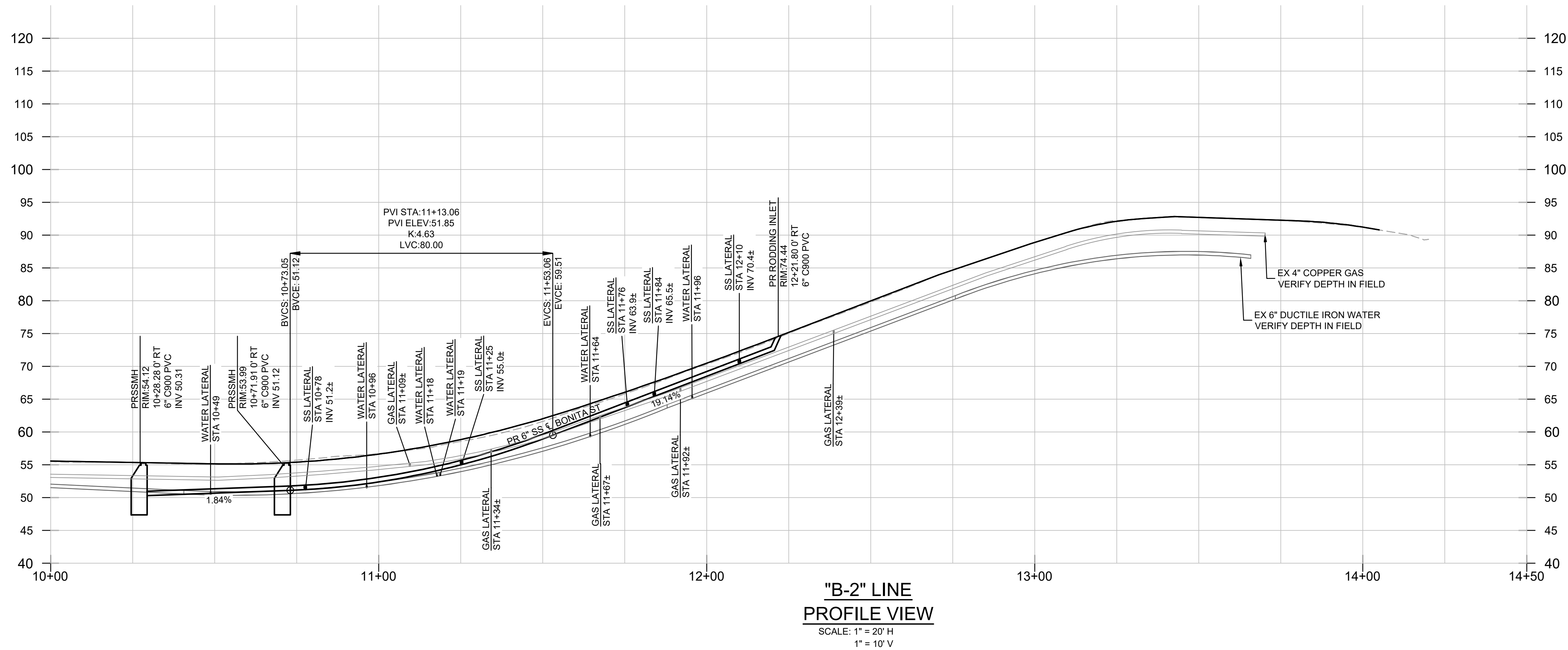
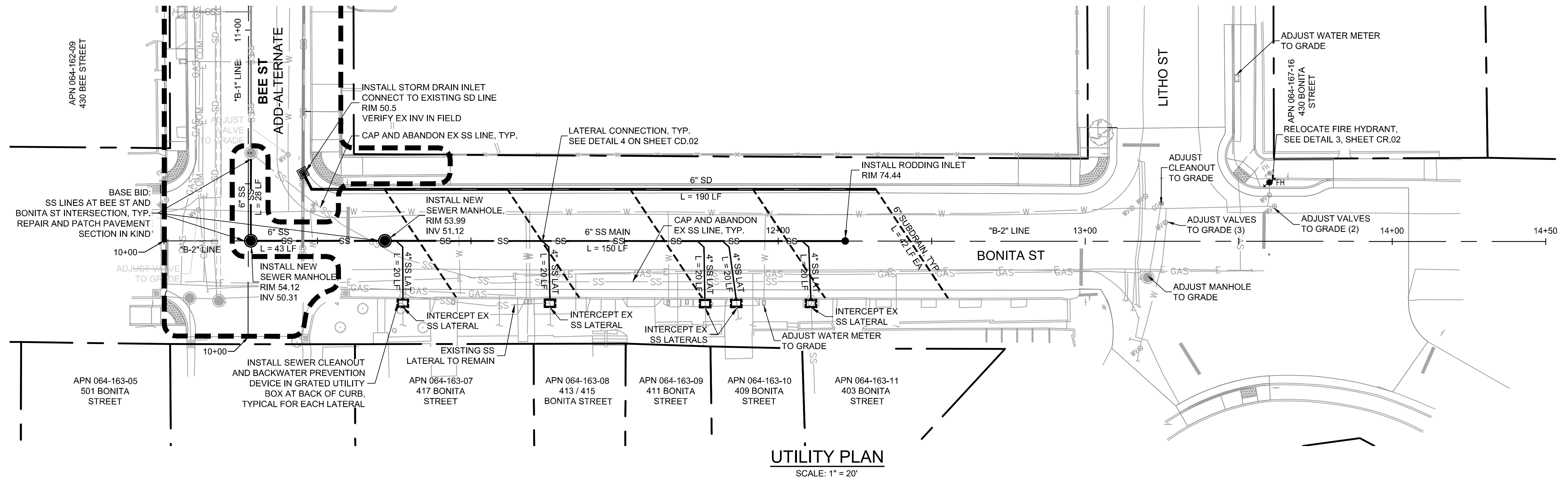
OWNER: DBU
 DESIGNER: BKF WC
 CHECKER: DBU
 APPROVED: BKF WC

2020 SAUSALITO STREETS
 REHABILITATION PROJECT
 BEE ST & BONITA ST
 UTILITY PLAN AND PROFILE

BEE ST
 MARIN COUNTY
 CALIFORNIA

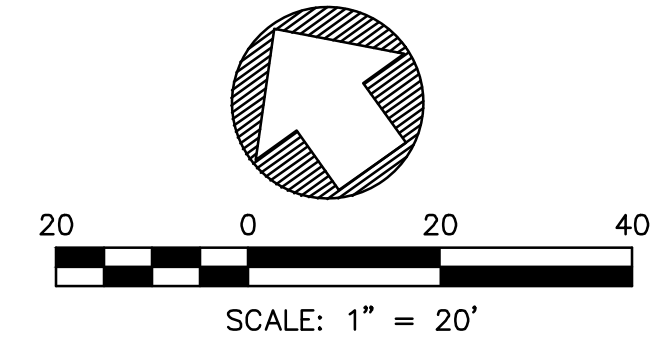
DATE	MAY 2020	SCALE	AS SHOWN
BKF PROJECT NO.	20165272		
CLIENT	CITY OF SAUSALITO		
SHEET NO.	13 OF 17		
DRAWING NO.	UT.01		

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 PLOT SCALE: 1" = 1'



LEGEND

- SS — SEWER MAIN - C900 SDR18 PVC, 6" SEE SPECIFICATIONS AND DETAIL 3, SHEET CD.02
- SS — SEWER LATERAL - HDPE SDR11 PVC, SIZE PER PLAN SEE SPECIFICATIONS AND DETAIL 3, SHEET CD.02
- SANITARY SEWER MANHOLE SEE SPECIFICATIONS AND DETAIL 2, SHEET CD.02
- RODDING INLET SEE SPECIFICATIONS AND DETAIL 1, SHEET CD.03
- SEWER CLEANOUT AND BACKWATER PREVENTION DEVICE SEE SPECIFICATIONS AND DETAILS 2 AND 3, SHEET CD.03
- 6" PVC SOLID STORM DRAIN PIPE SEE SPECIFICATIONS
- 6" PVC PERFORATED SUBDRAIN LINE SEE DETAIL 9 ON SHEET CD.01 AND SPECIFICATIONS
- STORM DRAIN INLET SEE SPECIFICATIONS AND DETAIL 4, SHEET CD.03



REVISIONS		DESCRIPTION	BY	DATE	APPVD



BKF
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4040 CIVIC CENTER DRIVE
 SUITE 200
 SAN RAFAEL, CA 94903
 415-892-7980 (TEL)
 415-892-7979 (FAX)

DESIGNED: BKF WC
 CHECKED: DBJ
 DRAWN: BKF WC
 APPROVED: DBJ

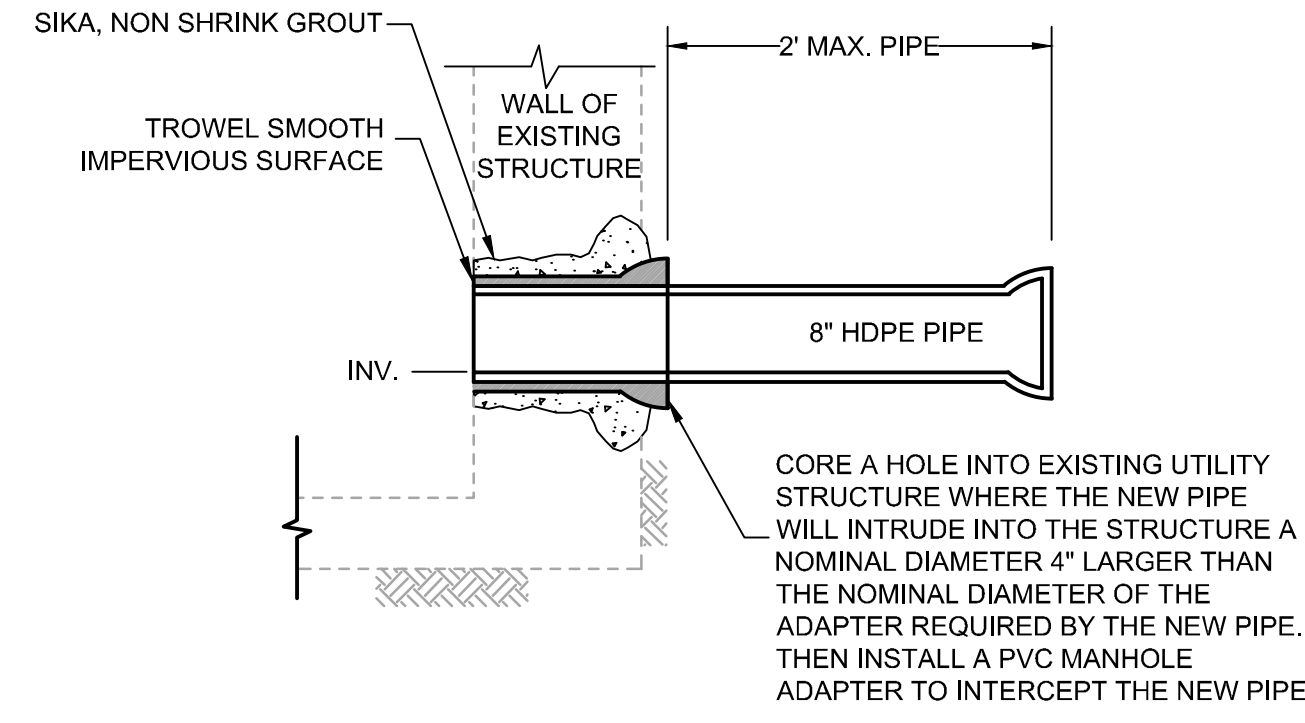
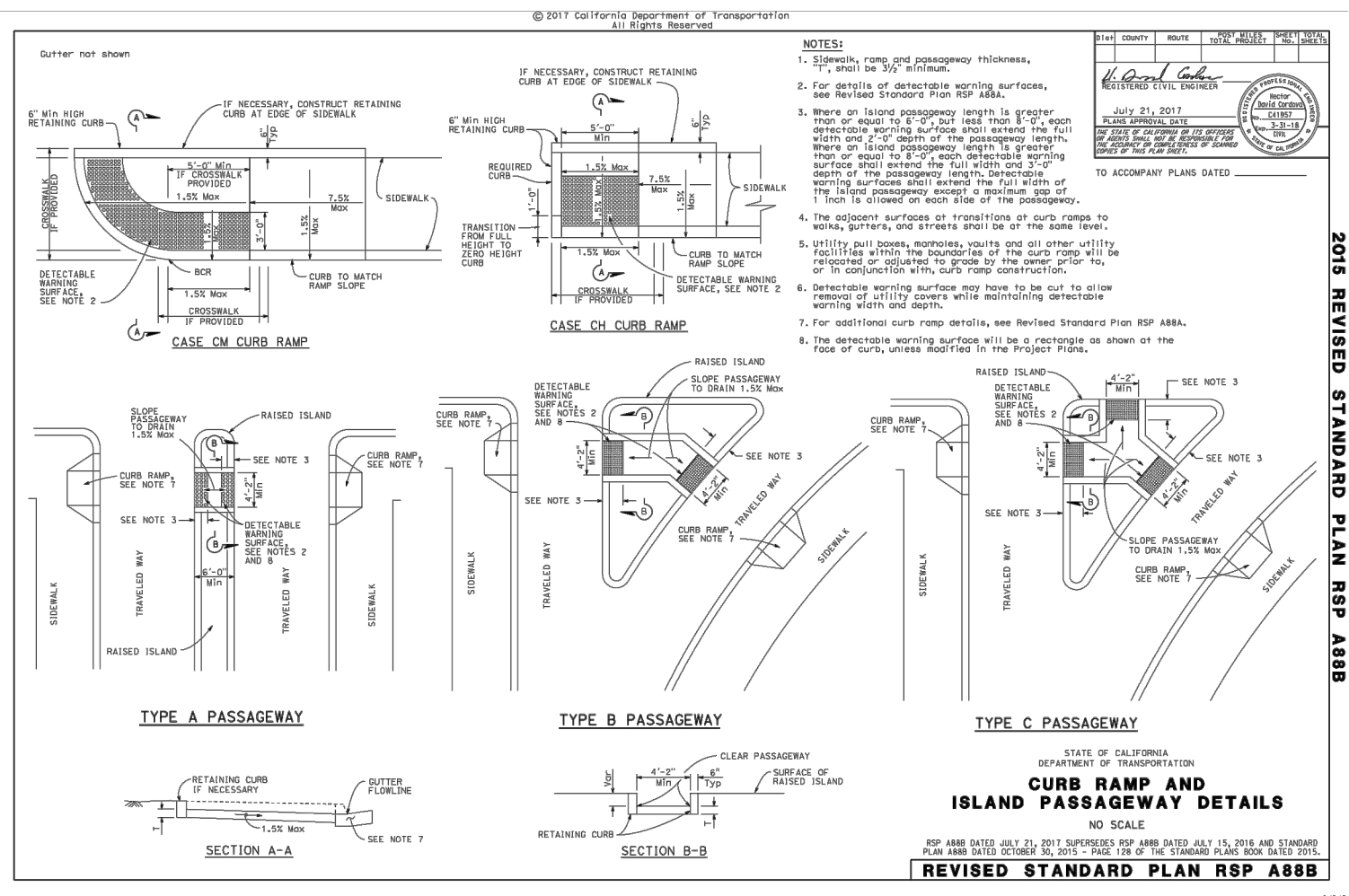
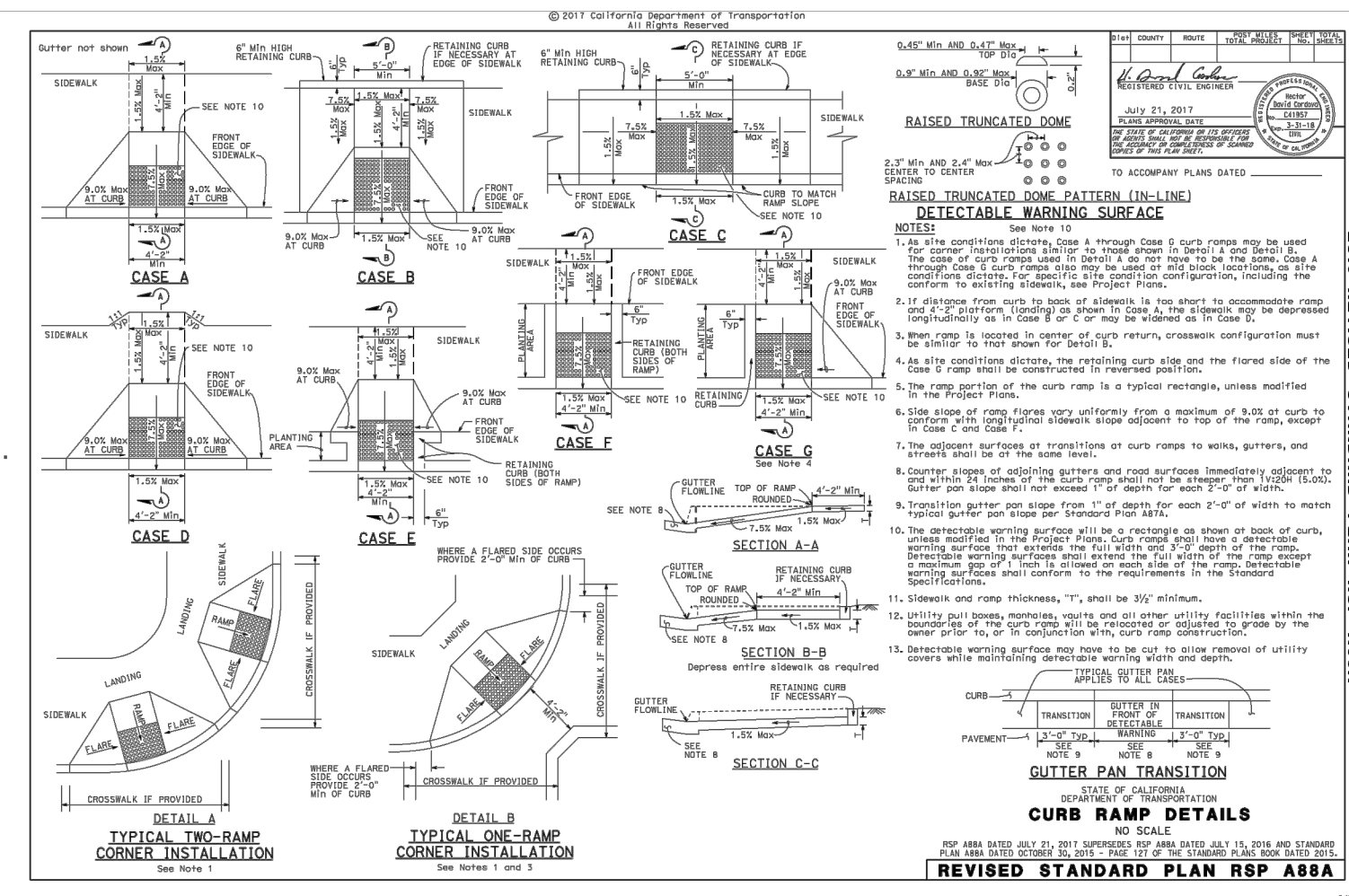
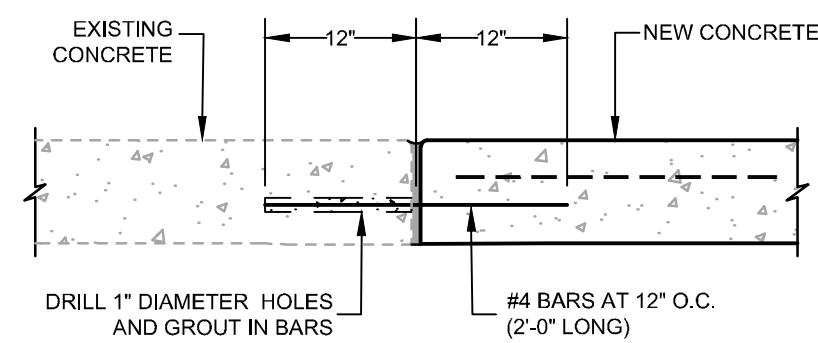
2020 SAUSALITO STREETS
 REHABILITATION PROJECT
 BEE ST & BONITA ST
 UTILITY PLAN AND PROFILE

BONITA ST
 MARIN COUNTY

SAUSALITO
 CALIFORNIA

DATE	MAY 2020	SCALE	AS SHOWN
BKF PROJECT NO.	20165272		
CLIENT	CITY OF SAUSALITO		
SHEET NO.	14 OF 17		
DRAWING NO.	UT.02		

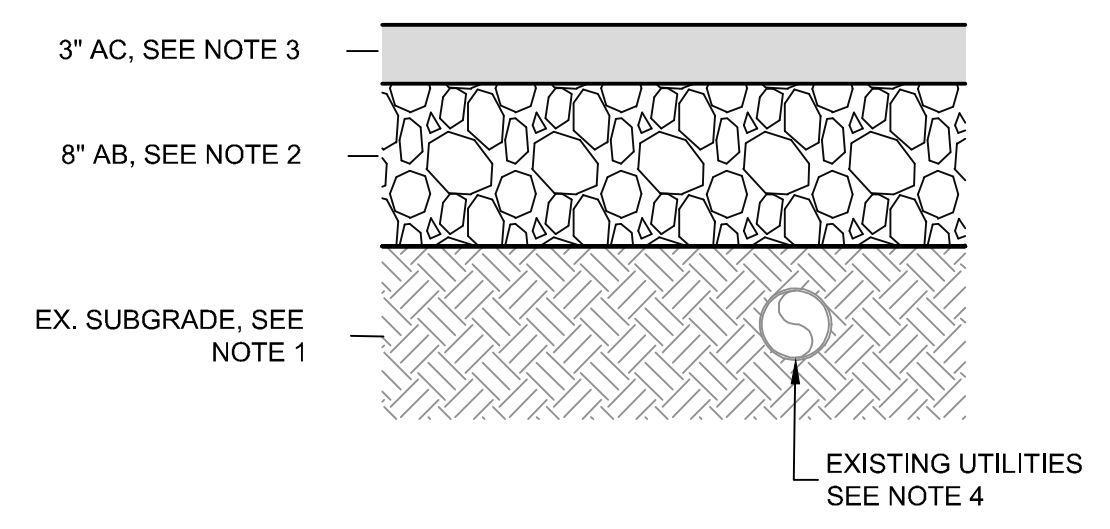
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 PLOT SCALE: 1 = 1
 VIEWPORT ROTATION: XX



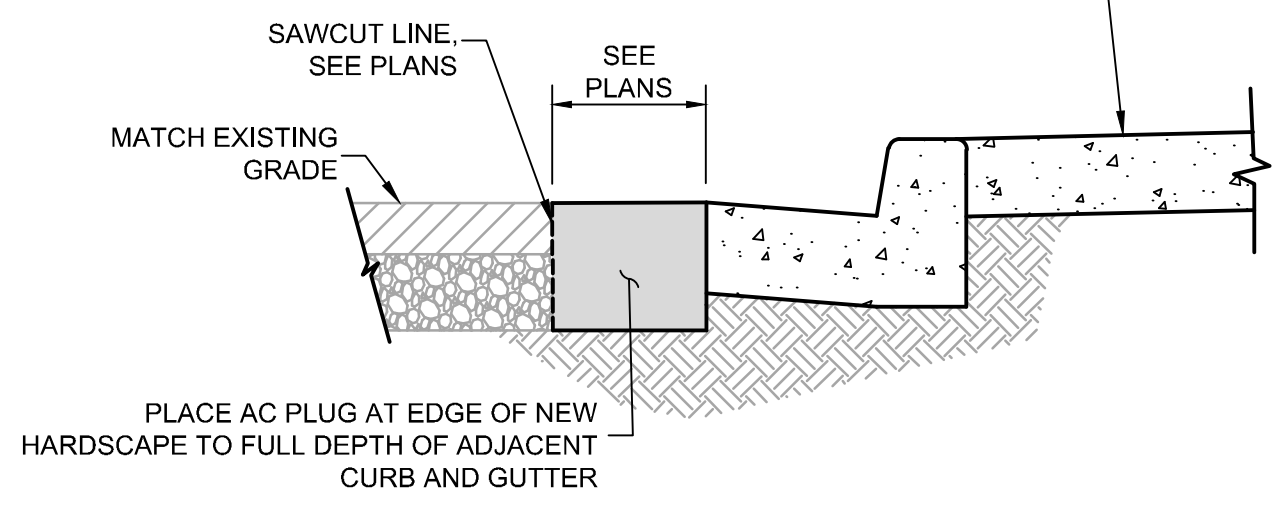
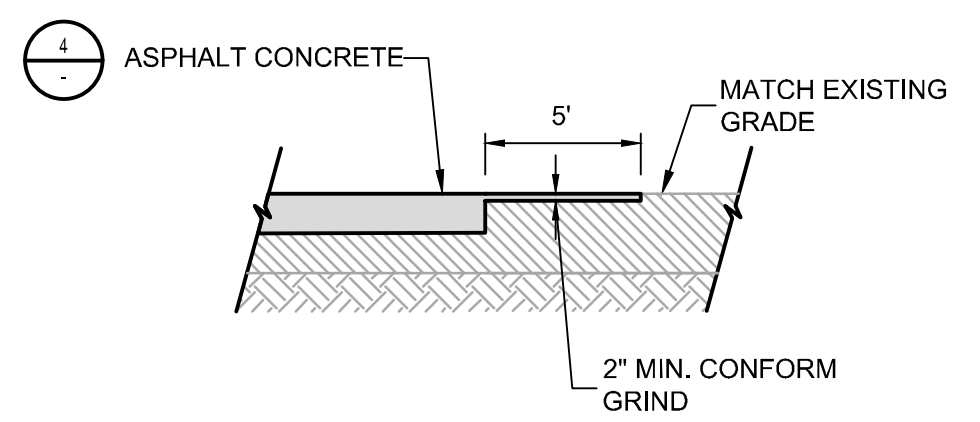
CONNECT TO EXISTING CONCRETE
 NOT TO SCALE 1

CALTRANS CURB RAMP DETAILS
 NOT TO SCALE 2

CONNECT NEW PIPE TO EXISTING MANHOLE
 NOT TO SCALE 3



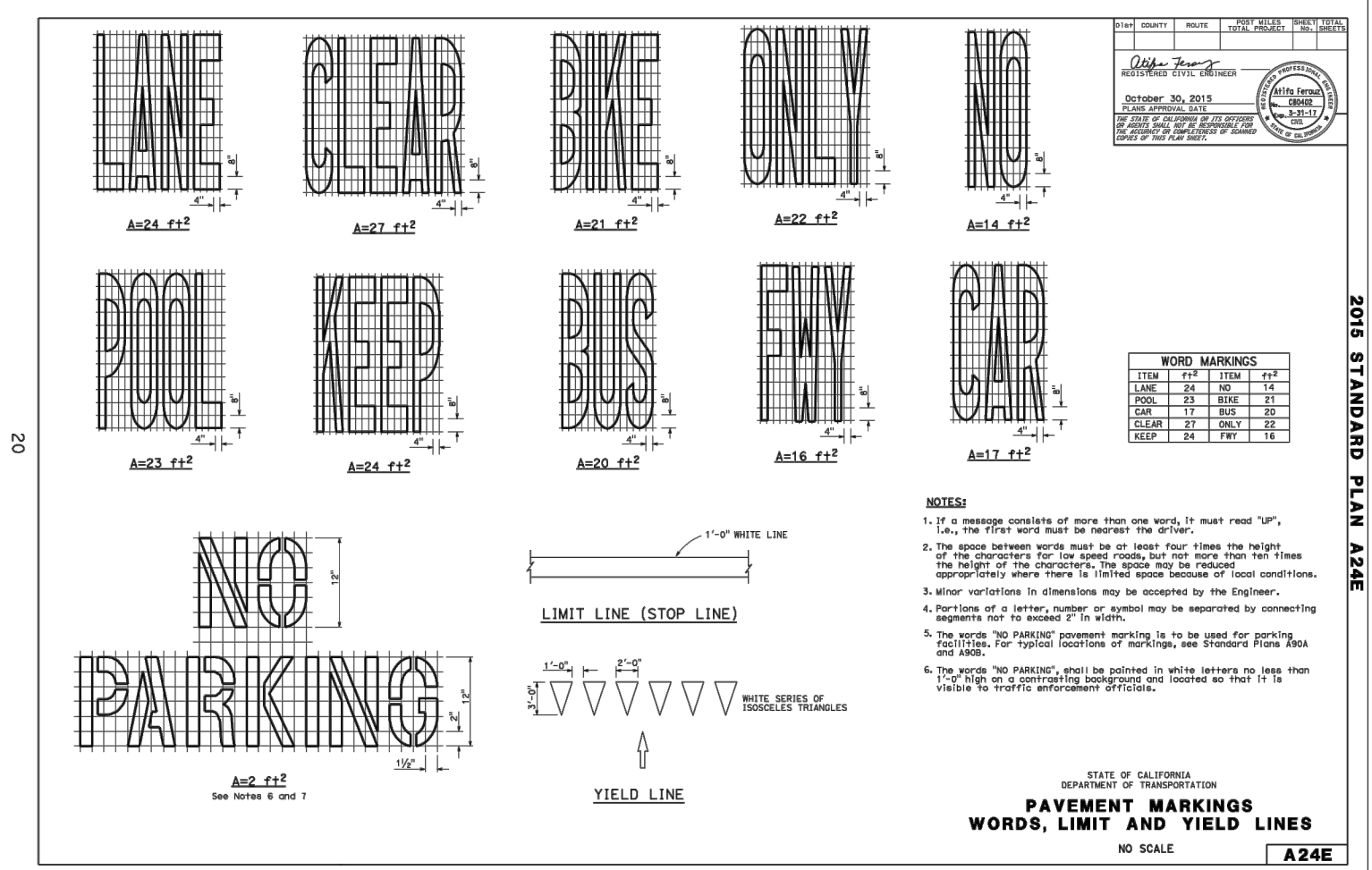
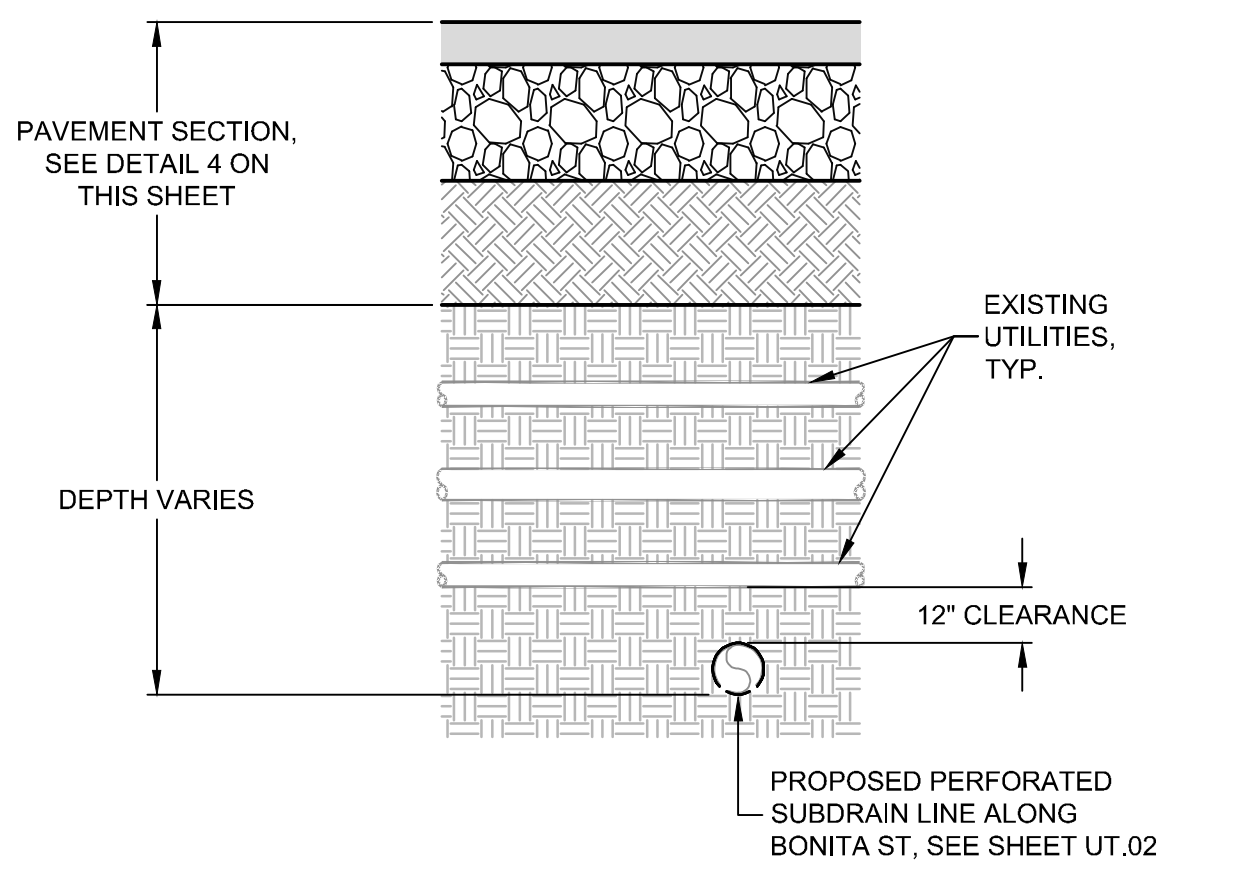
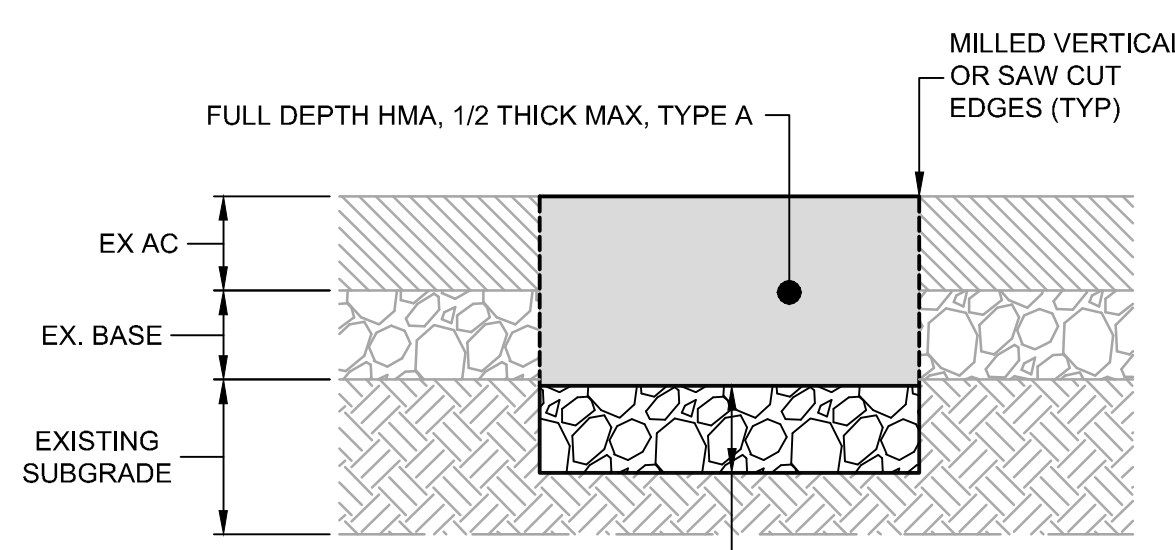
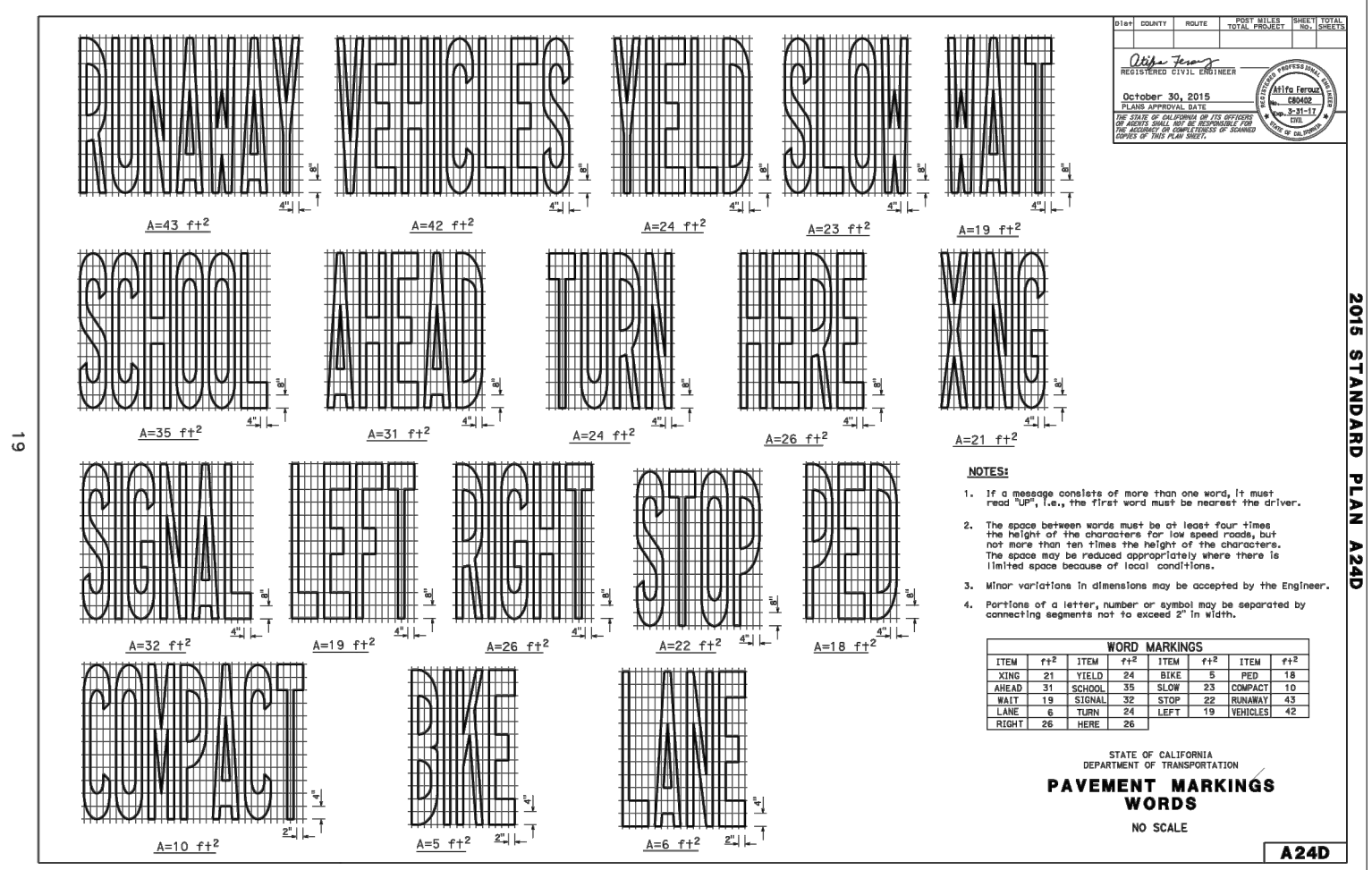
- NOTES:
- PRIOR TO PLACEMENT OF AGGREGATE BASE, SCARIFY THE EX. SUBGRADE TO A MINIMUM DEPTH OF 8-INCHES, MOISTURE-CONDITION TO NEAR-OPTIMUM MOISTURE CONTENT AND RECOMPACT TO A MINIMUM OF 95% RELATIVE COMPACTION (R.C.)
 - AGGREGATE BASE SHALL BE PLACED IN ONLY 6-INCH MAXIMUM LIFTS AND COMPACTED TO 95% R.C.
 - ASPHALT CONCRETE SHALL BE PLACED IN 2 INCH MAXIMUM LIFTS AND COMPACTED TO 92% THEORETICAL MAXIMUM DENSITY.
 - WARNING: SHALLOW UTILITIES MAY BE PRESENT. CONTRACTOR SHALL IDENTIFY AND LOCATE ALL EXISTING UTILITIES IN PROJECT AREA PRIOR TO CONSTRUCTION. PROTECT ALL UTILITIES DURING PAVEMENT RECONSTRUCTION.
 - ANY UTILITY WITHIN 6 INCHES OF THE STRUCTURAL SECTION SHALL BE BACKFILLED WITH CONTROLLED DENSITY FILL (CDF) MATERIAL.



ASPHALT SECTIONS
 NOT TO SCALE 4

ASPHALT CONFORM
 NOT TO SCALE 5

FULL DEPTH ASPHALT PLUG
 NOT TO SCALE 6



SOFT SUBGRADE REPAIR
 NOT TO SCALE 7

NOT USED
 NOT TO SCALE 8

PERFORATED PIPE SECTION
 NOT TO SCALE 9

CALTRANS PAVEMENT STRIPING AND SIGNAGE DETAILS
 NOT TO SCALE 10

NO.	DESCRIPTION	BY	DATE	APPROVED



DESIGNED	DBJ
CHECKED	DBJ
APPROVED	DBJ

4040 CIVIC CENTER DRIVE
 SUITE 200
 SAN RAFAEL, CA 94903
 415-892-7980 (TEL)
 415-892-7979 (FAX)
BKF
 ENGINEERS / SURVEYORS / PLANNERS
 CALIFORNIA

2020 SAUSALITO STREETS
 REHABILITATION PROJECT
 BEE ST & BONITA ST
 CONSTRUCTION DETAILS

MARIN COUNTY
 SAUSALITO

DATE: MAY 2020
 SCALE: AS SHOWN
 BKF PROJECT NO: 20165272
 CLIENT: CITY OF SAUSALITO
 SHEET NO: 15 OF 17
 DRAWING NO: CD.01

- EXISTING CONCRETE SHALL BE REMOVED AT EXPANSION OR WEAKENED PLANE JOINTS OR AT SAWCUTS AS FIELD MARKED BY AGENCY ENGINEER. SAWCUTS MUST GO ENTIRELY THROUGH CONCRETE.
- FOR NEW DEVELOPMENT, NO UTILITY BOXES OR POLES WILL BE PERMITTED IN THE SIDEWALK AREA WITHOUT THE PRIOR WRITTEN APPROVAL OF THE AGENCY ENGINEER.
- WHERE UNDERCUT SUBGRADE OR UNSUITABLE SUBGRADE MATERIAL IS ENCOUNTERED, THE AGENCY ENGINEER MAY REQUIRE REMEDIAL WORK TO BE DONE, INCLUDING OVER EXCAVATION AND BACKFILLING WITH CRUSHED ROCK AND, WHEN DIRECTED BY THE ENGINEER, PLACING GEOTEXTILE FABRIC BENEATH THE NEW CONCRETE SECTION.
- SUBGRADE SHALL BE COMPACTED TO AT LEAST 95% RELATIVE COMPACTION IN THE TOP SIX INCHES.
- NEW WORK SHALL MATCH EXISTING AS CLOSELY AS POSSIBLE IN FINISH, SCORING AND COLOR. FOR NEW INSTALLATIONS PLACED ADJACENT TO EXISTING, 2LB. DAVIS BLACK #8084 (OR EQUIVALENT) PER CU. YD. CONCRETE SHALL BE ADDED TO MIX.
- EXCEPT WHERE SPECIFIED OTHERWISE HEREIN, NO ADMIXTURES SHALL BE USED WITHOUT THE PERMISSION OF THE AGENCY ENGINEER.
- FORMS SHALL MEET GRADE AND FORM FACES SHALL NOT VARY FROM THE DIMENSIONS SHOWN BY MORE THAN 1/2 INCH.
- NO CONCRETE SHALL BE PLACED UNTIL THE AGENCY ENGINEER HAS INSPECTED AND APPROVED FORMS AND SUBGRADE/BASE.
- SUBGRADE/BASE SHALL BE THOROUGHLY WETTED IMMEDIATELY PRIOR TO PLACING CONCRETE.
- CONCRETE SHALL BE A MINIMUM CLASS B (5 SACK MIX) WITH 1 INCH MAXIMUM AGGREGATE FROM AN APPROVED MIXING PLANT. NO BAGGED MIX IS PERMITTED.
- CONCRETE SHALL HAVE A SLUMP OF NOT MORE THAN FOUR INCHES.
- FOR SIDEWALKS AND DRIVEWAY APPROACHES, 1/4 INCH DEEP SCORE LINES SHALL BE PLACED AT FOUR FEET ON CENTER OR AS DIRECTED BY THE AGENCY ENGINEER.
- WEAKENED PLANE JOINTS AT LEAST 3/4" DEEP SHALL BE PLACED AT A MINIMUM 16 FEET ON CENTER EXCEPT FOR SIDEWALKS AND DRIVEWAY APPROACHES WHICH SHALL BE A MINIMUM 5 FEET ON CENTER.
- 3/8 INCH THICK EXPANSION JOINTS SHALL BE PLACED ON BOTH SIDES OF DRIVEWAY APPROACHES, AT CURB AND SIDEWALK RETURN POINTS, DRAINAGE STRUCTURES AND OTHER LOCATIONS AS SHOWN ON THE PLANS.
- ALL EXPOSED EDGES SHALL BE ROUNDED WITH 1/2 INCH RADIUS TOOL.
- ALL FLAT SURFACES SHALL BE LIGHT BROOM FINISHED UNLESS OTHERWISE SPECIFIED BY AGENCY ENGINEER.
- CURBS, SIDEWALKS AND DRIVEWAY APPROACHES SHALL HAVE FORMS REMOVED AND BE BACKFILLED WITHIN SEVEN DAYS AFTER POURING.
- THE DESIGNATED DIMENSIONS AND SLOPES MAYBE MODIFIED TO ACCOMMODATE EXISTING ADJACENT FACILITIES SUBJECT TO THE APPROVAL OF THE AGENCY ENGINEER.

UNIFORM STANDARDS ALL CITIES AND COUNTY OF MARIN	REQUIREMENTS FOR CONCRETE CURB, GUTTER, SIDEWALK, DRIVEWAY AND OTHER "FLATWORK"	MARCH 2018	DWG. NO. 100
REV.	DATE	BY	

TYPE "A" CURB
* 3% MAX. AT CURB RAMPS

TYPE "B" CURB

TYPE "C" CURB

TYPE "D" CURB

TYPE "E" CURB

TYPE "F" CURB

TYPE "A" SIDEWALK
POUR CURB & GUTTER SEPARATELY FROM SIDEWALK

TYPE "B" SIDEWALK
POURED SEPARATE FROM CURB

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	MARCH 2018	DWG. NO. 105
REV.	DATE	BY	

PLAN

SECTION THRU FRAME AND COVER

**MARIN COUNTY
SANITARY DISTRICTS
CALIFORNIA**

**STANDARD MANHOLE
FRAME AND COVER**

1995 SD 1

NOTES:
1. MANHOLE FRAME AND COVER SHALL BE AS MANUFACTURED BY PHOENIX IRON WORKS, OAKLAND, NO. P-1090 OR APPROVED EQUIVALENT.
2. FOR MANHOLES LOCATED IN SIDEWALK AREAS USE PHOENIX NO. P-1067 FRAME AND COVER OR APPROVED EQUIVALENT.
3. MINIMUM WEIGHT OF FRAME IS 138 LBS. MINIMUM WEIGHT OF COVER IS 130 LBS.

PLAN AT MH BOTTOM

SECTION

**MARIN COUNTY
SANITARY DISTRICTS
CALIFORNIA**

**STANDARD SEWER
MANHOLE**

1995 SD 2.0

NOTES:
1. MANHOLE BASE SHALL BE CLASS A (6-8000) CONCRETE AND SHALL BE POURED AGAINST UNDISTURBED SOIL.
2. PRECAST CONCRETE CONE, BARREL AND GRADE RINGS SHALL CONFORM TO A.S.T.M. SPEC C-478, EXCEPT THAT TYPE II MODIFIED PORTLAND CEMENT SHALL BE USED.
3. ECCENTRIC CONE SECTION SHALL BE POSITIONED AS DIRECTED BY THE CITY.
4. RECESS IN MANHOLE BASE SHALL BE FORMED WITH AN APPROVED METAL FORMING RING TO RECEIVE PRECAST MANHOLE JOINT. PREFORMED PLASTIC SEAL GASKET SHALL BE INSTALLED BEFORE PLACING FIRST BARREL SECTION.
5. PRECAST MANHOLE BASES ARE NOT ALLOWED UNLESS SPECIFICALLY APPROVED BY THE CITY.

COUNTY OF MARIN CURB, GUTTER, SIDEWALK DETAIL NOT TO SCALE 1

MARIN COUNTY SANITARY DISTRICT STANDARD SEWER MANHOLE NOT TO SCALE 2

TYPE 1
ASPHALT CONCRETE PAVED STREETS

TYPE 2
CONCRETE PAVED STREETS

TYPE 3
AREAS OTHER THAN STREETS IN THE PUBLIC RIGHT OF WAY

CONDUIT SIZE	LESS THAN 6"	6" TO 24"	OVER 24" TO 60"	OVER 60"
TRENCH WIDTH	O.D. + 12"	O.D. + 24"	O.D. + 24"	O.D. + 24"

UNIFORM STANDARDS ALL CITIES AND COUNTY OF MARIN	TRENCH DETAILS SHEET 1 OF 3	MARCH 2018	DWG. NO. 330
REV.	DATE	BY	

TYPE 2
CONCRETE PAVED STREETS

TYPE 3
AREAS OTHER THAN STREETS IN THE PUBLIC RIGHT OF WAY

UNIFORM STANDARDS ALL CITIES AND COUNTY OF MARIN	STANDARD TRENCH BACKFILL & RESURFACING SHEET 2 OF 3	MARCH 2018	DWG. NO. 340
REV.	DATE	BY	

MATERIAL AND COMPACTION REQUIREMENT FOR TRENCH BACKFILL

- INTERMEDIATE BACKFILL SHALL BE CLASS II AGGREGATE BASE, SUITABLE NATIVE OR IMPORTED GRANULAR MATERIAL MAY BE USED IF ALLOWED BY AGENCY ENGINEER. RELATIVE COMPACTION SHALL BE AT LEAST 90%.
- CLASS II AGGREGATE BASE SHALL CONFORM TO THE STATE STANDARD SPECIFICATIONS. MINIMUM RELATIVE COMPACTION SHALL BE 95%. IF PAVEMENT HAVING A STRUCTURAL SECTION GREATER THAN 15" IS CUT, ADDITIONAL BASE MATERIAL MAY BE REQUIRED BY THE AGENCY ENGINEER. BASE SHALL BE PLACED AND COMPACTED PRIOR TO PLACING TEMPORARY PAVING.
- TESTING OF MATERIALS AND PERFORMANCE SHALL BE IN CONFORMANCE WITH THE METHODS STATED IN THE LATEST EDITION OF THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS, EXCEPT THAT RELATIVE COMPACTION MAY BE TESTED BY AASHTO METHOD T180, ASTM D-1557, OR TEST METHOD CALIF. 231 (NUCLEAR DENSITOMETER).
- PLACE AC IN 3" MAX. LIFTS, EXCEPT FINAL LIFT SHALL BE 2 1/2" MAX. ADDITIONAL THICKNESS AND LIFTS OF ASPHALT CONCRETE MAY BE REQUIRED TO MATCH EXISTING STRUCTURAL SECTION ON MAJOR ROADS, OR PER LOCAL JURISDICTION REQUIREMENTS.
- "JETTING" OF BACKFILL MATERIAL IS NOT PERMITTED.
- THE USE OF PEA GRAVEL (OR SIMILAR ROUNDED AGGREGATE), IS NOT PERMITTED.
- THE USE OF CONTROLLED DENSITY FILL (CDF) SHALL BE APPROVED BY THE AGENCY ENGINEER PRIOR TO PLACEMENT.
- TRENCH EDGES SHALL BE TRIMMED TO A NEAT LINE AS REQUIRED BY THE AGENCY ENGINEER. TRIMMING SHALL BE BY ROTARY GRINDER. TRENCH LINES SHALL HAVE THE LEAST AMOUNT OF JOGS AND REMAIN LINEAR AS MUCH AS POSSIBLE. REFERENCE DRAWING NO. 360, 370 & 380.
- THE SURFACE COURSE OF TRENCH RESTORATION SHALL EXTEND TO THE LIP OF GUTTER IF THE EDGE OF TRENCH IS WITHIN 4' OF THE LIP OF GUTTER, AND TO THE EDGE OF PAVEMENT IF THE EDGE OF TRENCH IS WITHIN 4' OF AN UNPAVED SHOULDER.
- CONTRACTOR MUST SHORE ALL TRENCHES IN CONFORMANCE WITH OSHA AND STATE SAFETY STANDARDS.
- ALL HOT MIX ASPHALT (HMA) MATERIAL, METHODS AND TOLERANCES SHALL BE IN COMPLIANCE WITH THE CURRENT EDITION OF THE CALTRANS STANDARD SPECIFICATIONS.

UNIFORM STANDARDS ALL CITIES AND COUNTY OF MARIN	TRENCH NOTES SHEET 3 OF 3	MARCH 2018	DWG. NO. 350
REV.	DATE	BY	

COUNTY OF MARIN TRENCH DETAIL NOT TO SCALE 3

PLAN

SECTION

**MARIN COUNTY
SANITARY DISTRICTS
CALIFORNIA**

**TYPICAL SIDE
SEWER DETAILS**

1995 SD 5

NOTES:
1. WHEN A LATERAL SEWER IS INSTALLED IN ADVANCE OF THE BUILDING SEWER, IT SHALL BE TERMINATED AT OR NEAR THE PROPERTY LINE. THE END OF THE LATERAL SHALL BE MARKED WITH A 4" x 4" REDWOOD STAKE.
2. WHERE CONCRETE CURBS AND GUTTERS EXIST OR ARE TO BE A PART OF AN IMPROVEMENT, EACH SIDE SEWER SHALL BE PERMANENTLY LOCATED BY IMPRINTING OR CHISELING AN "S" (3" SIZE) IN THE FACE OF THE CURB VERTICALLY ABOVE THE SEWER PIPE.
3. BACKFILL SHALL NOT BE PLACED UNTIL PIPE INSTALLATION HAS BEEN INSPECTED AND APPROVED BY THE DISTRICT.
4. LATERAL TRENCHES SHALL BE THE SAME AS TYPICAL TRENCH DETAIL SD4.
5. THE SIZE OF THE SEWER LATERAL OR MAIN MUST BE EQUAL TO OR LARGER THAN THE SIZE OF THE BUILDING DRAIN.

SEWER LATERAL CONNECTION NOT TO SCALE 4

NO.	REVISIONS	DESCRIPTION	BY	DATE	APPV'D

REGISTERED PROFESSIONAL ENGINEER
DATE: 8.1.2018
No. C 061408
CIVIL
STATE OF CALIFORNIA

4040 CIVIC CENTER DRIVE
SUITE 200
SAN RAFAEL, CA 94903
415-892-7980 (TEL)
415-892-7979 (FAX)

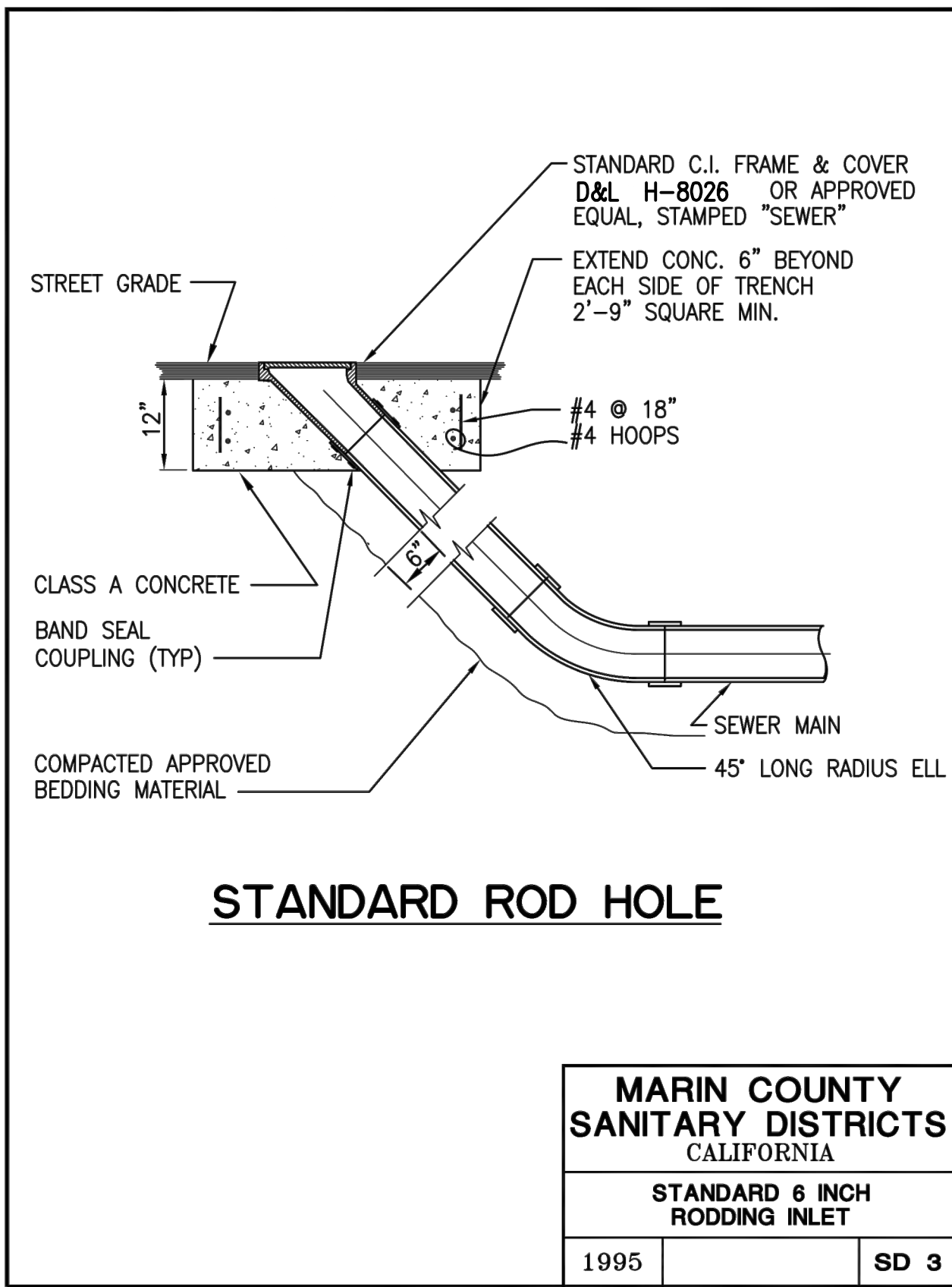
BKF
ENGINEERS / SURVEYORS / PLANNERS

DESIGNED: BKF WC
DRAWN: BKF WC
CHECKED: DBU
APPROVED: DBU

2020 SAUSALITO STREETS
REHABILITATION PROJECT
BEE ST & BONITA ST
CONSTRUCTION DETAILS

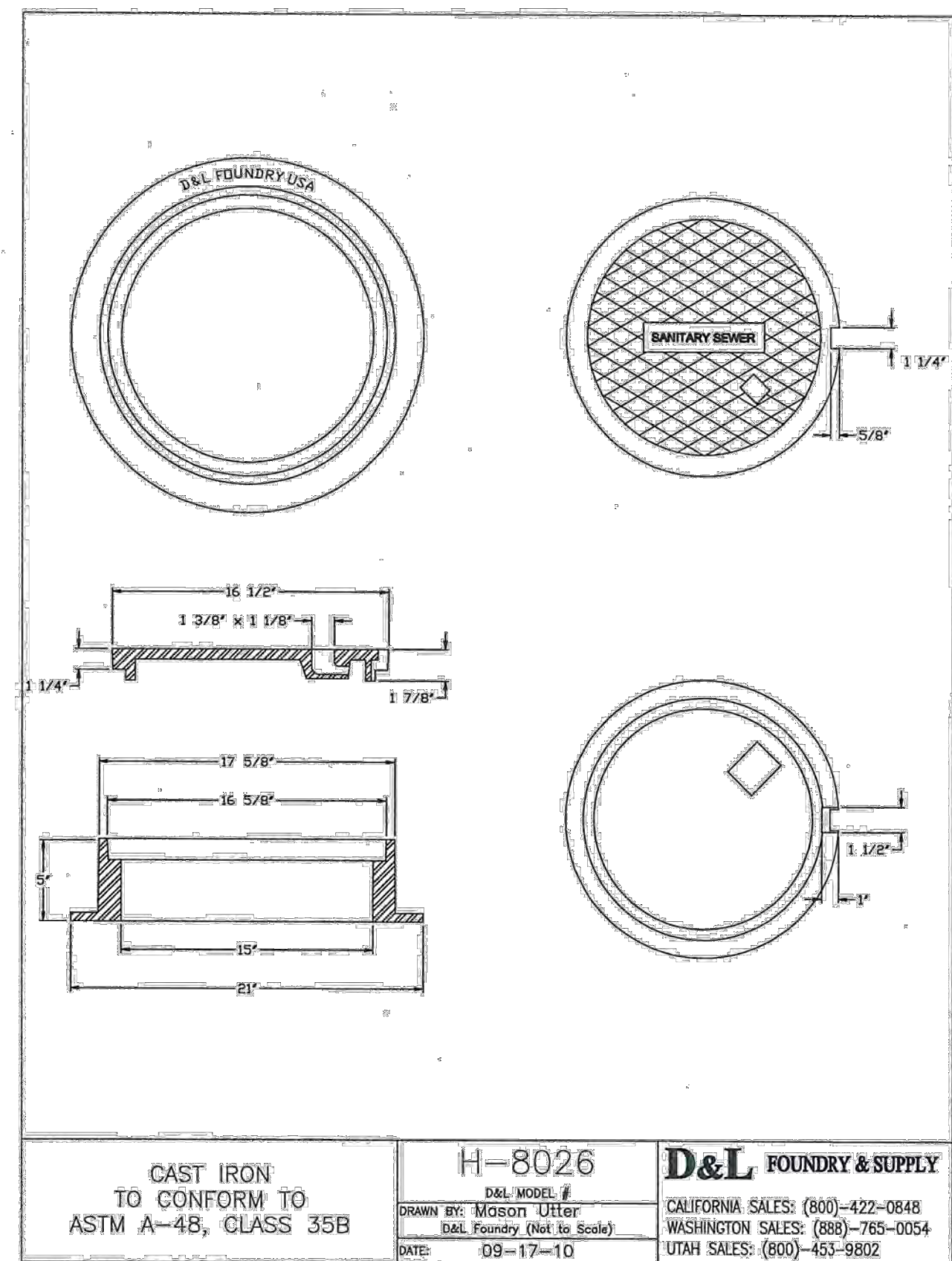
MARIN COUNTY
CALIFORNIA

DATE	MAY 2020	SCALE	AS SHOWN
BKF PROJECT NO.	20165272		
CLIENT	CITY OF SAUSALITO		
SHEET NO.	16 OF 17		
DRAWING NO.	CD.02		



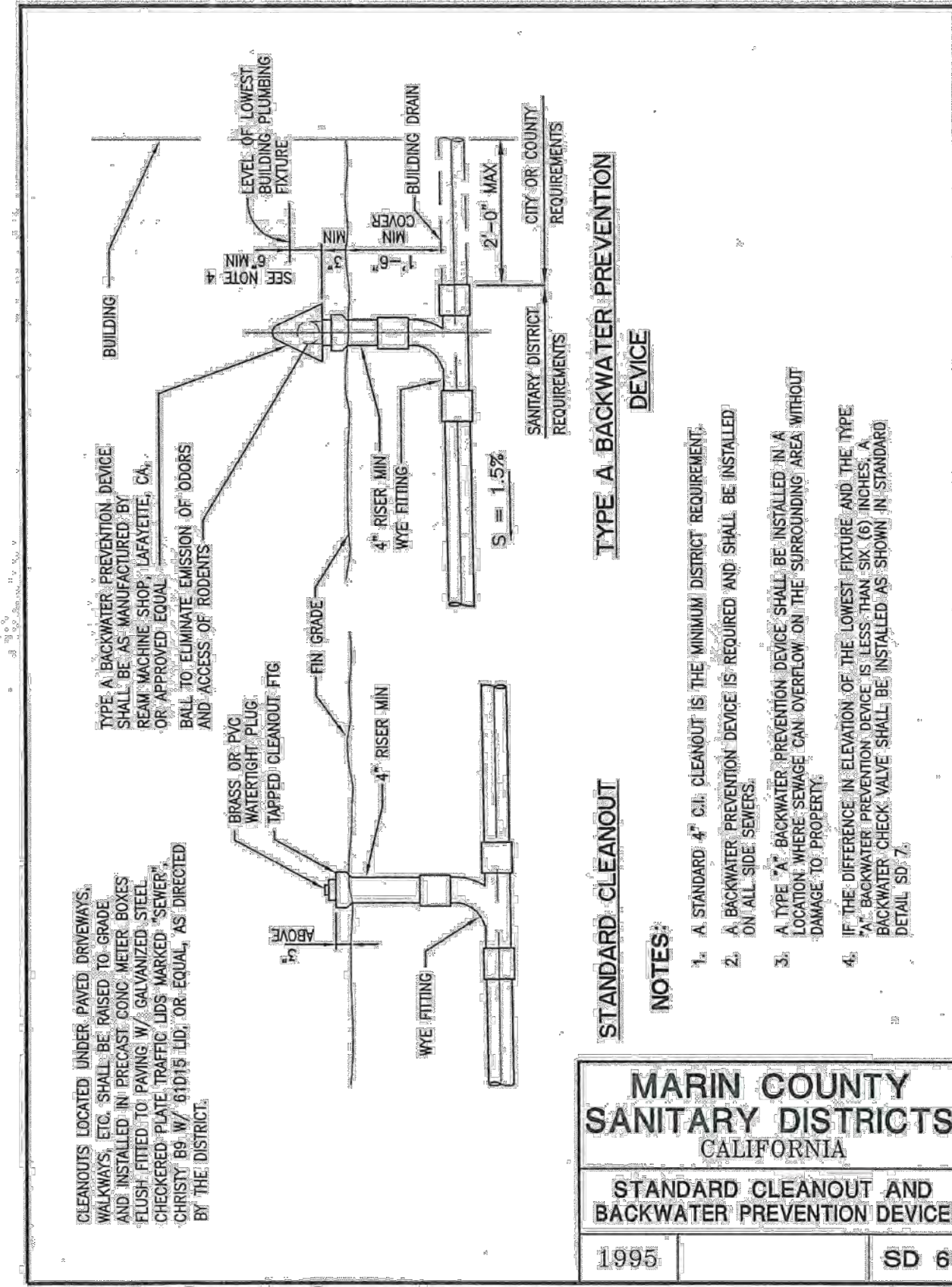
STANDARD ROD HOLE

MARIN COUNTY SANITARY DISTRICTS CALIFORNIA	
STANDARD 6 INCH RODDING INLET	
1995	SD 3



CAST IRON TO CONFORM TO ASTM A-48, CLASS 35B	H-8026 D&L MODEL # DRAWN BY: MORGAN JELBY D&L Foundry (Not to Scale) DATE: 09-17-10	D&L FOUNDRY & SUPPLY CALIFORNIA SALES: (800)-422-0848 WASHINGTON SALES: (888)-765-0054 UTAH SALES: (800)-453-9802
----------------------------------------------------	-------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------

RODDING INLET AND COVER
NOT TO SCALE 1



MARIN COUNTY SANITARY DISTRICTS CALIFORNIA	
STANDARD CLEANOUT AND BACKWATER PREVENTION DEVICE	
1995	SD 6

SEWER CLEANOUT AND BACKWATER PREVENTION DEVICE
NOT TO SCALE 2

SEWER POPPER™

CLEANOUT AND RELIEF VALVE

FEATURES & BENEFITS
WHY YOU SHOULD CHOOSE SEWER POPPER™

- Automatic pop-up releases sewage overflow out outside the house
- Prevents thousands of dollars in property damages
- Eliminates health hazards associated with sewage overflow
- Vandal and tamper-resistant center
- Threaded for 3" or 4" pipe or topped together
- Constructed of white PVC
- Threaded unit can be used with PVC or ABS topped together
- For cast iron pipe, use standard no hub clamp
- Meets Southern Building Code Section 301.10, Principle No. 10
- Patent No. 5,209,257

NOTE:
1. SEWER POPPER PRODUCT, OR APPROVED EQUAL.

PART NO.	DESCRIPTION	CTN QTY
5230R	3" x 4" Sewer Popper™	2

3 SIMPLE STEPS
INSTALLATION OF SEWER POPPER™

1. Threaded Plug Adapter 3" or 4" Pipe
2. Remove the existing threaded plug.
3. Hand tighten the Sewer Popper in place of the plug.

Jones Stephens Corp.

JSC South
3249 Moody Parkway
Moody, AL 35004
Phone 800-355-6637
Fax 800-462-6991

JSC North
50 Keystone Blvd. East
Pottsville, PA 17901
Phone 800-325-8999
Fax 866-922-0076

Reinforced Concrete Lid
No. B09D
20 lbs.

UTILITY BOX
No. B09BOX
90 lbs.

NOTES:

1. GRATE SHALL BE ADA COMPLIANT. GRATE SHALL BE D&L I-2821, OR APPROVED EQUAL.
2. BOX SHALL BE OLDCASTLE B09, OR APPROVED EQUAL.

Ordering Code	Item	Approx. Shipping Weight	Description
B09BOX	BOX	90	B09 Utility Box (10 1/4" x 16 3/4") - 28 per pallet
B09C	LID	22	Cast iron
B09D	LID	20	Reinforced concrete
FL09D	LID	5	Fibrelite lid, non-concrete
B09P	LID	20	Reinforced concrete with 1 1/2" hole for reading probe
B09G	LID	18	Reinforced concrete with 5" x 8" cast iron, self-closing, reading lid with frame
B09TL	LID	23	Cast iron lid with lock
BUTLK	KEY	1	Universal TL key for cast iron lid with lock
B09-61D	COVER	22	Steel checker plate
B09-61G	COVER	22	Steel checker plate with 6" round, self-closing reading lid
B09X12	EXTENSION	87	12" Reinforced concrete - 28 per pallet
B09SL	SLAB	32	Reinforced concrete (13 1/4" x 19 1/4")

Galvanizing available on all steel covers.

Oldcastle Precast
Enclosure Solutions
MADERA/TRACY/ROSELLE/PHOENIX
Phone: (800) 468-7070 Fax: (800) 488-8804
www.oldcastleprecast.com

B09 BOX
FILE NAME: B09_ISO
ISSUE DATE: January, 2009

B09 UTILITY BOX
10-1/4" x 16-3/4"

I-2821

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D&L SUPPLY COMPANY
Washington Sales: (800) 765-0171 Fax: (509) 768-8124
California Sales: (909) 523-0225 Fax: (909) 523-0225
Utah Sales: (801) 785-6975 Fax: (801) 725-8855

UTILITY BOX AND GRATE
NOT TO SCALE 3

CATCH BASIN, TURNING STRUCTURE, MANHOLE AND DROP INLET NOTES

1. CONCRETE SHALL BE CLASS "A" (6 SACK MIX) UNLESS OTHERWISE NOTED. STRUCTURE TOPS CAST WITH ADJACENT CURB/SIDEWALK MAY BE CLASS "B" CONCRETE.
2. BASE SHALL BE PLACED AGAINST UNDISTURBED EARTH, SIDES MAY BE FORMED OR PLACED AGAINST UNDISTURBED EARTH.
3. WHERE CONDUITS ARE ENCOUNTERED THAT ARE LARGER IN DIAMETER THAN THE WIDTH OF THE WALL THROUGH WHICH THEY PASS, THE INSIDE DIMENSION OF THE WALLS PERPENDICULAR TO THE DIRECTION OF THE PIPE SHALL BE INCREASED TO 12" WIDER THAN THE OUTSIDE DIAMETER OF THE PIPE.
4. EXPANSION JOINTS SHALL BE PLACED THROUGH CURB AND SIDEWALK AT BOTH SIDES OF CATCH BASINS AND SHALL BE LIMIT OF PAYMENT FOR CURB AND GUTTER. UNIT PRICES FOR DRAINAGE STRUCTURES SHALL INCLUDE CURB, GUTTER AND SIDEWALK POURED WITH DRAINAGE STRUCTURE.
5. NO CONCRETE SHALL BE PLACED PRIOR TO FORM AND STEEL APPROVAL BY THE AGENCY ENGINEER.
6. SEE DRAWING NO. 215 FOR STEP (AS REQUIRED BY AGENCY ENGINEER) AND MANHOLE CASTING DETAIL.
7. SEE DRAWING NO. 220 FOR CATCH BASIN GRATE DETAIL.
8. WALL THICKNESS, REINFORCING, AND STEP (AS REQUIRED BY AGENCY ENGINEER) REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE TABLE BELOW, UNLESS OTHERWISE INDICATED BY THE PROJECT PLANS OR DIRECTED BY THE AGENCY ENGINEER.
9. PLACE 2" WEEPHOLES AS REQUIRED BY THE AGENCY ENGINEER.
10. EQUIVALENT PRECAST STRUCTURES MAY BE SUBSTITUTED AS APPROVED BY THE AGENCY ENGINEER.
11. WALL THICKNESS SHALL NOT EXCEED 10" ON ANY STRUCTURE.
12. PRECAST INLETS AND MANHOLES SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS AND BE DESIGNED TO WITHSTAND H-20 LOADING.

DEPTH	WALL THICKNESS (SEE NOTE #11)	WALL REINFORCEMENT	STEPS REQUIRED
LESS THAN 3'	6"	NO. 4 AT 12" BOTH WAYS	NO
LESS THAN 3'	8"	NONE OUTSIDE ROADWAY, NO. 4 AT 12" BOTH WAYS WITHIN OR ADJACENT TO ROAD.	NO
3' TO 6'	6"	NO. 4 AT 12" BOTH WAYS	AS REQUIRED BY THE AGENCY ENGINEER
OVER 6'	8"	NO. 4 AT 12" BOTH WAYS	AS REQUIRED BY THE AGENCY ENGINEER

UNIFORM STANDARDS ALL CITIES AND COUNTY OF MARIN

NOTES FOR CATCH BASIN, MANHOLE, DROP INLET & TURNING STRUCTURE

MARCH 2018
DWG. NO. 200
REV. DATE BY

STORM DRAIN DROP INLET

PLAN SECTION

PROFILE SECTION

DEPTH	L	W	COVER(S)
LESS THAN 3'	24"	24"	1-36"x36"
3' TO 6'	36"	36"	2-24"x48"
OVER 6'	36"	48"	2-30"x48"

UNIFORM STANDARDS ALL CITIES AND COUNTY OF MARIN

DROP INLET AND TURNING STRUCTURE

MARCH 2018
DWG. NO. 260
REV. DATE BY

STORM DRAIN DROP INLET
NOT TO SCALE 4

K:\2016\165272_Sausalito 2016-2019 Street Rehab\ENG\SHEETS\Bee & Bonita\08_ConstructionDetails.dwg 5-08-20 11:26:32 AM kled PLOT SCALE: 1 = 1 VIEWPORT ROTATION: XX

REVISIONS		DESCRIPTION	BY	DATE	APPROV
A					

REG. PROFESSIONAL ENGINEER
DATE: 8-1-2008
No. C 061408
CIVIL
STATE OF CALIFORNIA

4040 CIVIC CENTER DRIVE
SUITE 200
SAN RAFAEL, CA 94903
415-892-7980 (TEL)
415-892-7979 (FAX)

BKF
ENGINEERS / SURVEYORS / PLANNERS

DBU
APPROVED

**2020 SAUSALITO STREETS
REHABILITATION PROJECT
BEE ST & BONITA ST
CONSTRUCTION DETAILS**

MAY 2020
BKF PROJECT NO. 20165272
CLIENT: CITY OF SAUSALITO

SCALE: AS SHOWN

SHEET NO. 17 OF 17
DRAWING NO. CD.03