



CITY OF SAUSALITO  
**URGENT SEWER REPLACEMENT**  
 MARIN COUNTY, CALIFORNIA

SUBMITTAL  
 JULY 2015

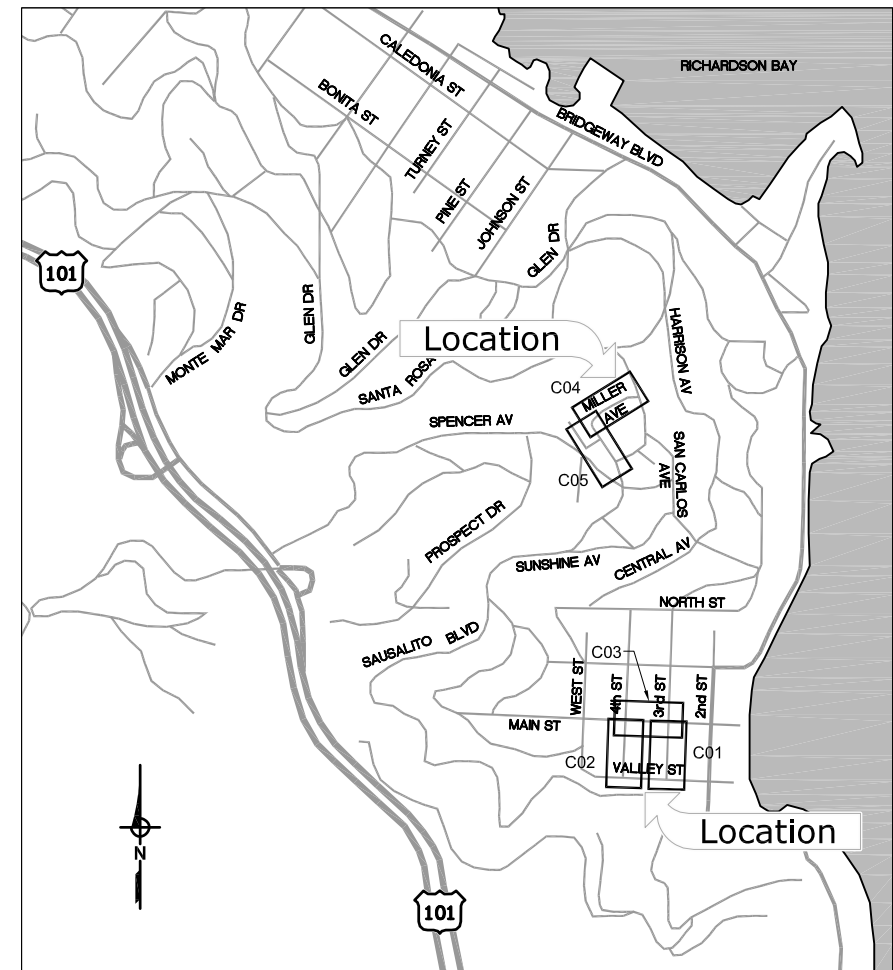
SHEET INDEX		
SHEET NO.	DWG NO.	DESCRIPTION
1	G01	TITLE SHEET & LOCATION MAP
2	G02	GENERAL NOTES AND LEGEND
3	C01	THIRD STREET STA 10+00 TO STA 13+50 PLAN & PROFILE
4	C02	FOURTH STREET STA 20+00 TO STA 23+50 PLAN & PROFILE
5	C03	MAIN STREET STA 110+00 TO STA 112+60 PLAN & PROFILE
6	C04	MILLER AVENUE STA 32+50 TO STA 37+40 PLAN & PROFILE
7	C05	MILLER AVENUE STA 30+00 TO STA 32+50 PLAN & PROFILE
8	C06	DETAILS 1
9	C07	DETAILS 2
10	C08	DETAILS 3
11	C09	POTHOLE KEY INFORMATION
12	C10	PAVEMENT PLAN



LOCATION MAP  
 NTS

APPROVED: \_\_\_\_\_  
 JONATHON GOLDMAN, DIRECTOR OF PUBLIC WORKS R.C.E. 42165

APPROVED: \_\_\_\_\_  
 ANDREW DAVIDSON, SENIOR CIVIL ENGINEER, R.C.E. 48210



VICINITY MAP  
 NTS

JOB NO.  
 9852A.10  
 DRAWING NO.  
**G01**  
 SHEET NO.  
 1 OF 12

C:\pw\_working\projectwise\bhawes\0376105\45402-0902-601.dwg 07-27-15 01:48:53 PM bhawes

Plot Date: 7/28/2015 7:23:32 AM

FILE NAME: 45402-0902-G02.dwg

PROJECT NO. 9852A10


LAST SAVED BY: dbwms


AB	AGGREGATE BASE	NO.	NUMBER
AC	ASPHALT CONCRETE, ASBESTOS CEMENT	NTS	NOT TO SCALE
AVE	AVENUE	OD	OUTSIDE DIAMETER
BLVD	BOULEVARD	PCC	PORTLAND CEMENT CONCRETE
CCTV	CLOSED CIRCUIT TELEVISION	PG&E	PACIFIC GAS & ELECTRIC
CIP	CAST IRON PIPE	PVC	POLY VINYL CHLORIDE PIPE
CL	CLASS	RC	RELATIVE COMPACTION
CLSM	CONTROLLED LOW STRENGTH MATERIAL	RCP	REINFORCED CONCRETE PIPE
CMP	CORRUGATED METAL PIPE	SD	STORM DRAIN
CO	CLEAN OUT, COMPANY	SPEC	SPECIFICATION
CONC	CONCRETE	SS	SANITARY SEWER
EOP	EDGE OF PAVEMENT	SSMH	SANITARY SEWER MANHOLE
EX, EXIST	EXISTING	ST	STREET
FH	FIRE HYDRANT	ST STL	STAINLESS STEEL
FT	FOOT, FEET	STA	STATION
G	GAS	TYP	TYPICAL
GRND	GROUND	UGT	UNDERGROUND TELEPHONE
GV	GAS VALVE	VAR	VARIOUS
INV	INVERT	W	WEST, WATER, WIRE
MH	MANHOLE	WM	WATER METER
MIN	MINIMUM	WV	WATER VALVE

### GENERAL NOTES

- THE LOCATIONS OF THE BUILDING SEWERS (LATERALS) ARE APPROXIMATE AND ARE BASED ON CCTV PROVIDED BY THE CITY WHEN AVAILABLE. EXACT LOCATION OF LATERALS MAY VARY. ANY LATERALS DAMAGED DURING CONSTRUCTION MUST BE REPLACED AS PER DETAILS.
  - CALL UNDERGROUND SERVICE ALERT (U.S.A.) AT 800-227-2600 AT LEAST 48 HOURS BEFORE DIGGING.
  - THE FOLLOWING UTILITIES MUST BE NOTIFIED AT LEAST 48 HOURS PRIOR TO BEGINNING ANY CONSTRUCTION WORK:
- | MUNICIPALITY/COMPANY                   | CONTACT         | PHONE          |
|--|-----------------|----------------|
| SAUSALITO MARIN CITY SANITARY DISTRICT | KEVIN RAHMAN    | (415) 332-0244 |
| PG&E GAS                               | CHRIS CHAN      | (415) 257-3384 |
| PG&E ELECTRIC                          | CHRIS CHAN      | (415) 257-3384 |
| COMCAST CABLE                          | BLAKE BRUHN     | (925) 424-0329 |
| SAUSALITO CITY FIRE DEPARTMENT         |                 | (415) 289-4155 |
| MARIN MUNICIPAL WATER DISTRICT         | ELYSHA ANDERSON | (415) 945-1572 |
| AT&T                                   | MICHAEL MCAFFEE | (415) 499-4900 |
- CONTRACTOR SHALL OBTAIN ENCROACHMENT PERMIT FROM CITY OF SAUSALITO AT NO COST TO THE CONTRACTOR. CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING ENCROACHMENT PERMIT REQUIREMENTS. SEE SPECIFICATIONS - APPENDIX FOR STANDARD CONDITIONS.
  - CONTRACTOR SHALL PREPARE A TRAFFIC CONTROL PLAN THAT MEETS THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (LATEST EDITION) AND SUBMIT IT TO THE CITY FOR APPROVAL. TRAFFIC CONTROL PLAN SHALL BE SUBMITTED WITH ENCROACHMENT PERMIT APPLICATION.
  - ALL MONUMENTS DISTURBED BY CONSTRUCTION SHALL BE REPLACED BY A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF CALIFORNIA AT THE CONTRACTOR'S EXPENSE.
  - ALL UTILITIES SHOWN ON THESE PLANS WERE SCALED FROM THE UTILITY MAPS RECEIVED FROM THE UTILITY COMPANIES. THEY ARE NOT NECESSARILY COMPLETE AND ARE BASED ON THE INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME THESE PLANS WERE PRODUCED. THE ACTUAL LOCATIONS OF THE UTILITIES SHOWN ON THESE PLANS SHALL BE VERIFIED IN THE FIELD. SUCH VERIFICATION IS PART OF THE WORK.
  - LOCATIONS OF EXISTING UTILITIES SHALL BE MARKED IN THE FIELD BY USA PRIOR TO CONSTRUCTION. CONTRACTOR SHALL POTHOLE TO ESTABLISH THE EXISTING ELEVATIONS OF THE VARIOUS UTILITIES. POTHOLING OR OTHER EXCAVATIONS FOR UTILITY LOCATING ARE PART OF THE WORK AND SHALL BE AT NO ADDITIONAL COST TO THE CITY. CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY CONFLICTS.
  - CONTRACTOR SHALL PROVIDE WRITTEN NOTIFICATION TO RESIDENTS AT LEAST 48 HOURS BEFORE SEWER LATERALS ARE DISCONNECTED. WRITTEN NOTIFICATION SHALL INCLUDE A POINT OF CONTACT, DATES AND DURATION OF WORK, LANE CLOSURES AND PARKING RESTRICTIONS.
  - IF STREET CURB IS DAMAGED BY CONTRACTOR DURING CONSTRUCTION, CONTRACTOR SHALL REPAIR OR REPLACE IN ACCORDANCE WITH THE UNIFORM CONSTRUCTION STANDARDS (UCS) DETAILS 100 AND 105. CONTRACTOR SHALL MATCH DIMENSIONS OF EXISTING CURB.
  - ALL EXISTING SEWER MAIN MATERIAL IS VCP UNLESS OTHERWISE NOTED.

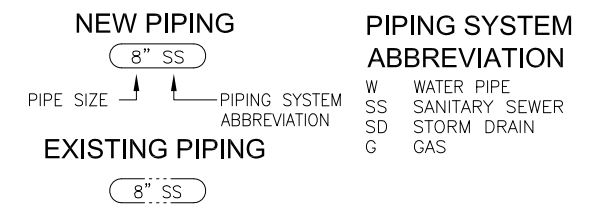
### SECTION & DETAIL DESIGNATIONS

SECTION CUT ON DWG 21  SECTION NUMBER  
DRAWING WHERE SECTION APPEARS

ON DWG 23 THIS SECTION IS IDENTIFIED AS:  SECTION NUMBER  
DRAWING FROM WHICH SECTION WAS TAKEN

DETAILS ARE CROSS REFERENCED IN A SIMILAR MANNER, EXCEPT THAT DETAILS ARE IDENTIFIED BY LETTER RATHER THAN NUMBER. SECTIONS OR DETAILS REFERENCED ON MULTIPLE DRAWINGS USE "VAR" IN LIEU OF A DRAWING REFERENCE.

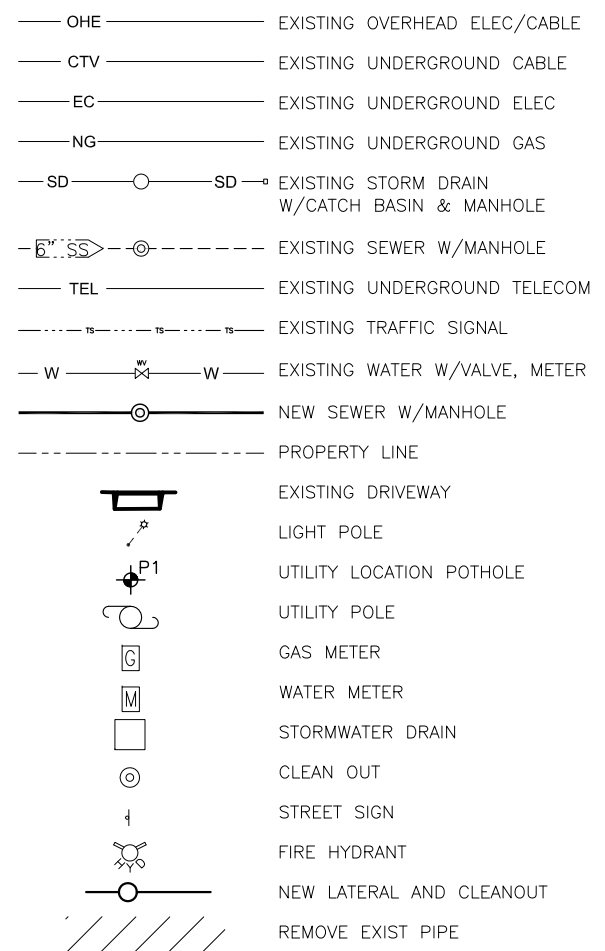
### PIPING DESIGNATIONS



### DATUM INFORMATION:

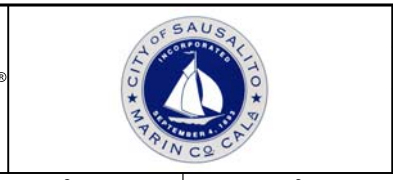
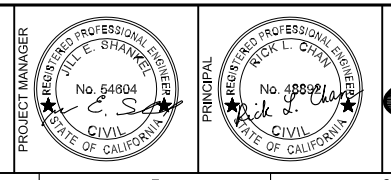
HORIZONTAL: CALIFORNIA STATE PLANE, ZONE 3.  
VERTICAL: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 1988).

### LEGEND




REV	DATE	BY	DESCRIPTION

DESIGNED	J1
DRAWN	BH
CHECKED	JES
DATE	JULY 2015



CITY OF SAUSALITO  
URGENT SEWER REPLACEMENT PROJECT  
GENERAL NOTES AND LEGEND

VERIFY SCALES	JOB NO. 9582A.10_002
BAR IS ONE INCH ON ORIGINAL DRAWING	DRAWING NO. G02
0  1'	SHEET NO. 2 OF 12
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	

Plot Date: 7/28/2015 11:16:47 AM

FILE NAME: 45402-0902-C01-C05.dwg

PROJECT NO. 9852A10

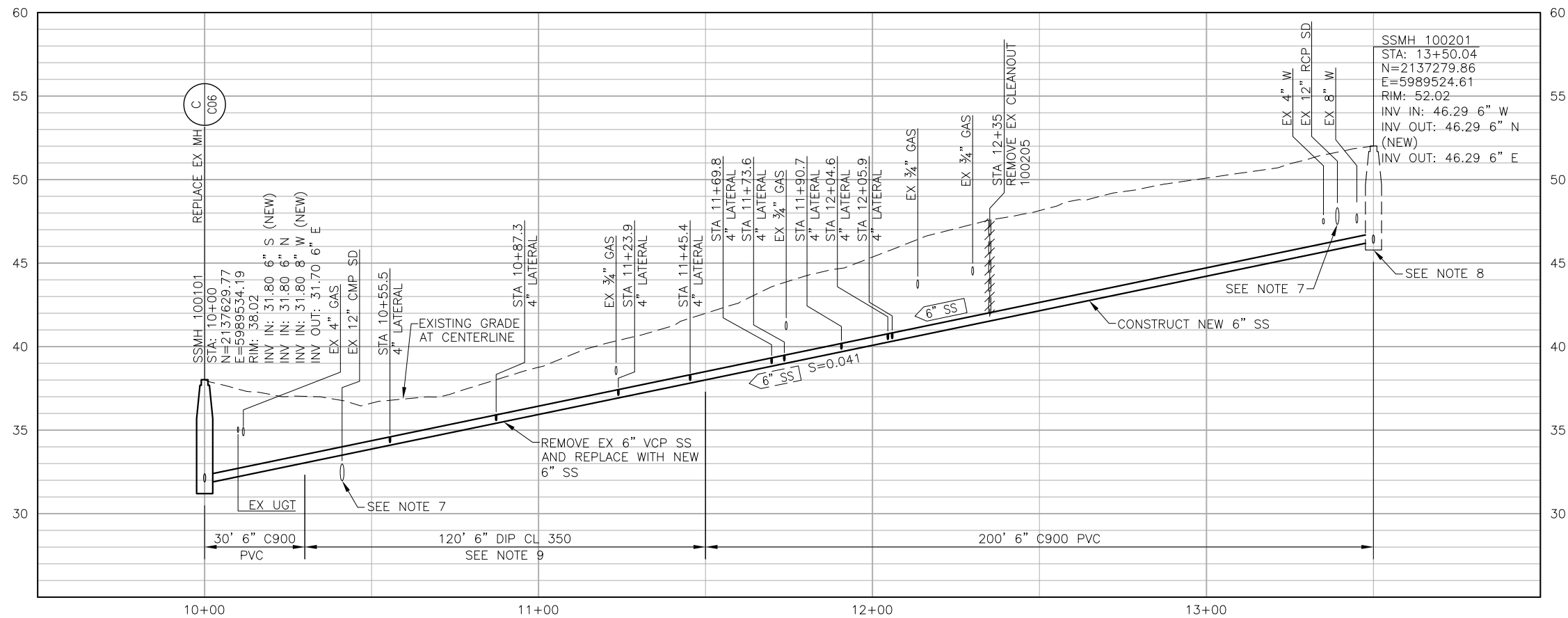
LAST SAVED BY: bhwes



SEE C03 FOR SEWER IMPROVEMENTS ON MAIN STREET

PLAN

SCALE: 1"=20'



PROFILE

SCALE: V: 1"=4'  
H: 1"=20'

NOTES:

- PRIOR TO EXCAVATION, CONTRACTOR SHALL CLEAN AND TELEVISION ALL EXISTING SEWER MAINS AND MARK ALL SEWER LATERAL CONNECTIONS TO THE SEWER MAIN ON THE STREET. CONTRACTOR SHALL LOCATE AND MARK EACH SEWER LATERAL IMMEDIATELY BEHIND THE CURB AREA, INCLUDING THE ENTIRE ALIGNMENT OF EACH SEWER LATERAL FROM THE MAIN TO BACK OF CURB AREA. CONTRACTOR SHALL POTHOLE ALL SEWER LATERALS BEHIND THE CURB AREA TO CONFIRM EACH IS A LIVE SEWER BY CUTTING A HOLE IN THE TOP OF THE PIPE. CONTRACTOR SHALL POTHOLE ALL SEWER LATERALS BEHIND THE CURB AREA TO CONFIRM EACH IS A LIVE SEWER BY CUTTING A HOLE IN THE TOP OF PIPE. CONTRACTOR SHALL THEN TEMPORARILY REPAIR SEWER LATERALS AND EITHER TEMPORARILY BACKFILL THE SEWER LATERAL POTHOLES OR COVER THEM IN A MANNER APPROVED BY THE CITY. CONTRACTOR SHALL REMOVE AND REPLACE EXISTING LATERALS TO FAR SIDE OF CURB AND RECONNECT LATERAL SERVICE PER A-C06. CONTRACTOR SHALL INSTALL A CLEANOUT FOR EACH LATERAL PER D-C06.
- AERIAL PHOTO COURTESY OF COUNTY OF MARIN, 2006
- SEWER SHALL REMAIN IN SERVICE AT ALL TIMES. CONTRACTOR SHALL CONTROL FLOW AND/OR BYPASS AS NECESSARY.
- PROTECT EXISTING UTILITIES IN PLACE UNLESS SPECIFIED OTHERWISE.
- STATIONING BASED UPON THE CENTERLINE OF EXISTING SEWER.
- SEE DWG C10 FOR CONCRETE PAVEMENT REPAIR.
- WHEN THE CLEARANCE BETWEEN PIPES IS 12" OR LESS, INSTALL 1" THICK SQUARE PAD OF 35-45 DUROMETER RUBBER TO PROTECT EXISTING UTILITY. PAD WILL BE THE LARGER OF THE PIPE ODS IN WIDTH.
- CONTRACTOR SHALL REMOVE EXISTING PIPE AND CORE DRILL OPENING. INSTALL WATERSTOP PER SECTION 03154 AND DRY PACK MORTAR ANNULAR SPACE. CONTRACTOR SHALL REPAIR CONCRETE AND EXISTING MANHOLE TO PREVENT LEAKAGE AND PERFORM LEAK TEST PER SECTION 02084.
- NEW SEWER SHALL BE DUCTILE IRON PIPE WHERE DEPTH OF COVER IS LESS THAN 3 FEET MINIMUM. TRENCH WIDTH SHALL BE EQUAL TO OUTSIDE PIPE DIAMETER PLUS 24 INCHES. CONNECT DUCTILE IRON PIPE TO PVC PIPE USING MISSION FLEX SEAL ARC COUPLING.
- THERE IS NO EXISTING SEWER BETWEEN STA 12+35 AND STA 13+50.04.
- GROUNDWATER DISCOVERED DURING POTHOLES. REFER TO POTHOLE KEY INFORMATION ON C09.

REV	DATE	BY	DESCRIPTION
1			
2			
3			

DESIGNED	JL
DRAWN	BH
CHECKED	JES
DATE	JULY 2015

PROJECT MANAGER	WILL E. STRANKE
REGISTERED PROFESSIONAL ENGINEER	No. 51804
CIVIL	STATE OF CALIFORNIA

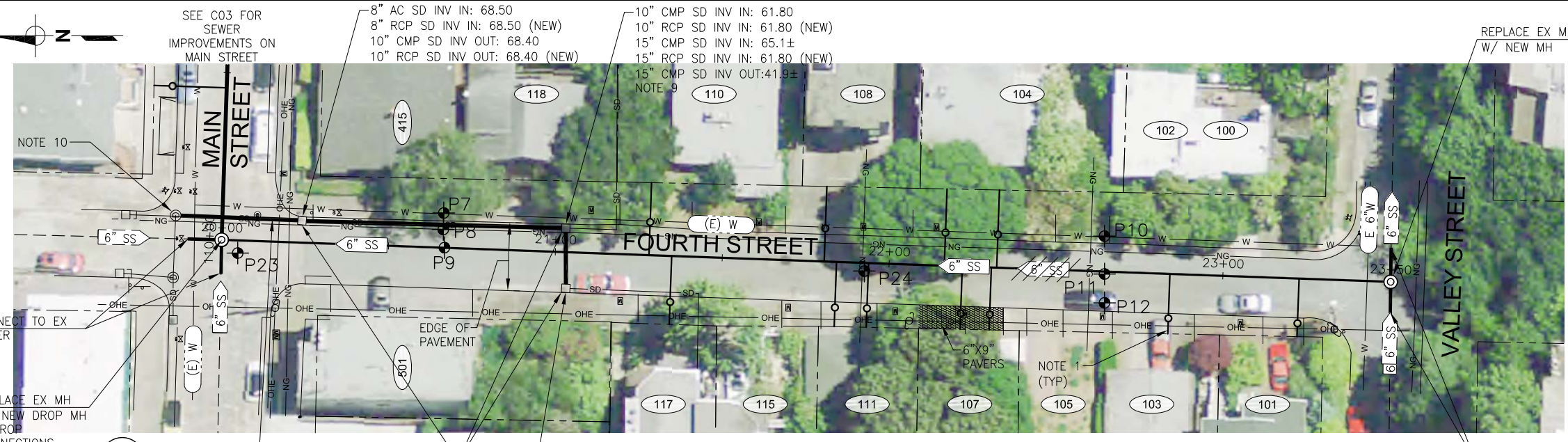
PRINCIPAL	RICK L. CHAMBERLAIN
REGISTERED PROFESSIONAL ENGINEER	No. 48898
CIVIL	STATE OF CALIFORNIA



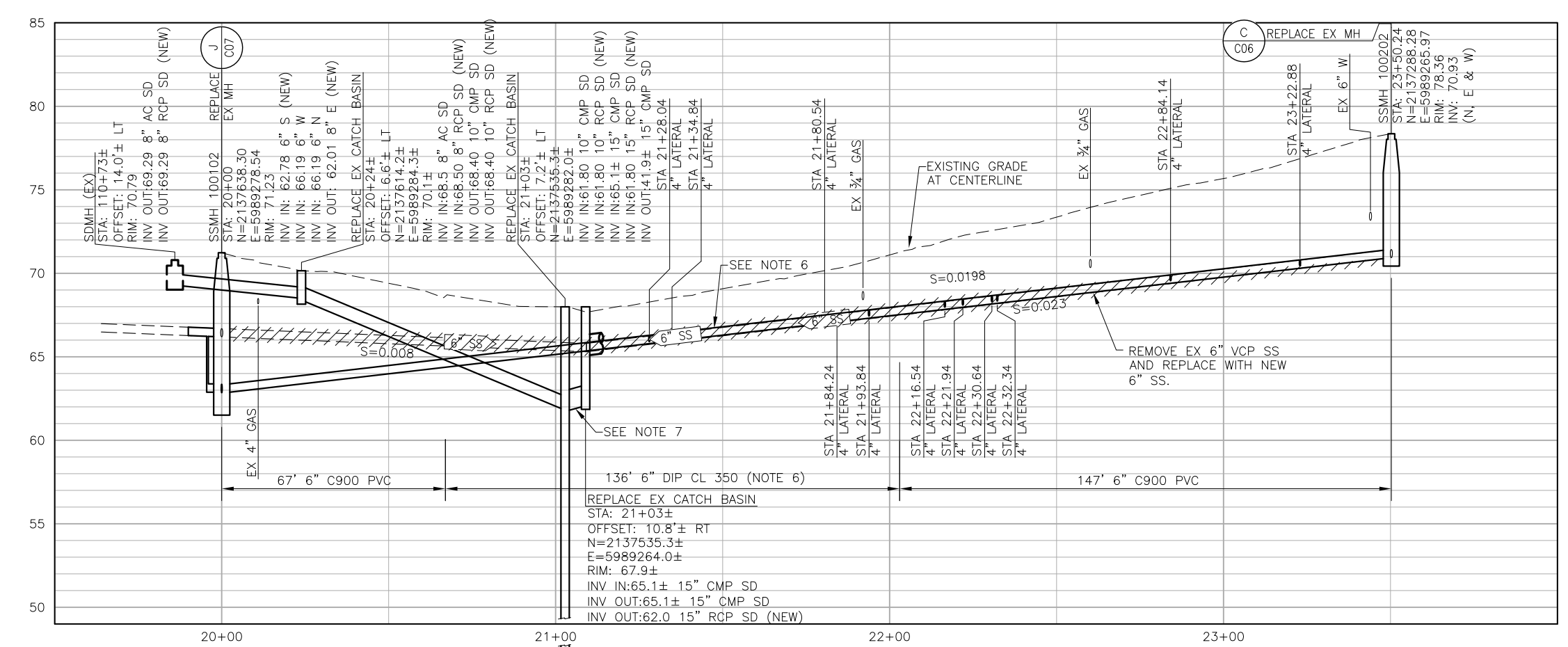
CITY OF SAUSALITO  
 URGENT SEWER REPLACEMENT PROJECT  
 THIRD STREET  
 STA 10+00 TO 13+50 PLAN AND PROFILE

VERIFY SCALES	JOB NO.
BAR IS ONE INCH ON ORIGINAL DRAWING	9582A.10_002
0 1"	DRAWING NO.
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	C01
	SHEET NO.
	3 OF 12

FILE NAME: 454020902-C01-C02.dwg  
 PROJECT NO. 9852A10  
 LAST SAVED BY: bhawes  
 PROJECT NO. 9852A10  
 FILE NAME: 454020902-C01-C02.dwg  
 PROJECT NO. 9852A10  
 LAST SAVED BY: bhawes



**PLAN**  
SCALE: 1"=20'



**PROFILE**  
SCALE: V: 1"=4'  
H: 1"=20'

**NOTES:**

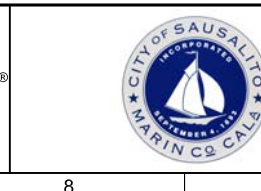
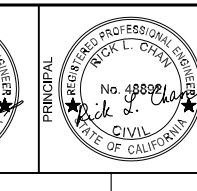
1. PRIOR TO EXCAVATION, CONTRACTOR SHALL CLEAN AND TELEVIEW ALL EXISTING SEWER MAINS AND MARK ALL SEWER LATERAL CONNECTIONS TO THE SEWER MAIN ON THE STREET. CONTRACTOR SHALL LOCATE AND MARK EACH SEWER LATERAL IMMEDIATELY BEHIND THE CURB AREA, INCLUDING THE ENTIRE ALIGNMENT OF EACH SEWER LATERAL FROM THE MAIN TO BACK OF CURB AREA. CONTRACTOR SHALL POTHOLE ALL SEWER LATERALS BEHIND THE CURB AREA TO CONFIRM EACH IS A LIVE SEWER BY CUTTING A HOLE IN THE TOP OF THE PIPE. CONTRACTOR SHALL POTHOLE ALL SEWER LATERALS BEHIND THE CURB AREA TO CONFIRM EACH IS A LIVE SEWER BY CUTTING A HOLE IN THE TOP OF PIPE. CONTRACTOR SHALL THEN TEMPORARILY REPAIR SEWER LATERALS AND EITHER TEMPORARILY BACKFILL THE SEWER LATERAL POTHOLES OR COVER THEM IN A MANNER APPROVED BY THE CITY. CONTRACTOR SHALL REMOVE AND REPLACE EXISTING LATERALS TO FAR SIDE OF CURB AND RECONNECT LATERAL SERVICE PER A-C06. CONTRACTOR SHALL INSTALL A CLEANOUT FOR EACH LATERAL PER D-C06.
2. AERIAL PHOTO COURTESY OF COUNTY OF MARIN, 2006
3. SEWER SHALL REMAIN IN SERVICE AT ALL TIMES. CONTRACTOR SHALL CONTROL FLOW AND/OR BYPASS AS NECESSARY.
4. PROTECT EXISTING UTILITIES IN PLACE UNLESS SPECIFIED OTHERWISE.
5. STATIONING BASED UPON THE CENTERLINE OF EXISTING SEWER.
6. NEW SEWER SHALL BE DUCTILE IRON PIPE WHERE DEPTH OF COVER IS LESS THAN 3 FEET MINIMUM. TRENCH WIDTH SHALL BE EQUAL TO OUTSIDE PIPE DIAMETER PLUS 24 INCHES. CONNECT DUCTILE IRON PIPE TO PVC PIPE USING MISSION FLEX SEAL ARC COUPLING.
7. RECONSTRUCT 15" SD USING RCP PIPE PER DETAIL (B) C06 AND PROVIDE 1.5' CLEAR BETWEEN TOP OF SD AND BOTTOM OF NEW SS WITH A MINIMUM SLOPE OF 1%. RCP JOINTS PER DETAIL (N) C08.
8. SEE DWG C10 FOR PAVEMENT REPAIR.
9. REMOVE AND REPLACE CATCH BASINS PER DETAILS (K) C08, (L) C08 AND (M) C08.
10. CONTRACTOR SHALL REMOVE EXISTING PIPE AND CORE DRILL OPENING. INSTALL WATERSTOP PER SECTION 03154 AND DRY PACK MORTAR ANNULAR SPACE. PRECAST CATCH BASINS MAY BE USED AT CONTRACTOR'S OPTION.
11. WHEN THE CLEARANCE BETWEEN PIPES IS 12" OR LESS, INSTALL 1" THICK SQUARE PAD OF 35-45 DUROMETER RUBBER TO PROTECT EXISTING UTILITY. PAD WILL BE THE LARGER OF THE PIPE ODS IN WIDTH.

REV	DATE	BY	DESCRIPTION

DESIGNED JI  
 DRAWN BH  
 CHECKED JES  
 DATE JULY 2015

PROJECT MANAGER  
 REGISTERED PROFESSIONAL ENGINEER  
 STATE OF CALIFORNIA  
 No. 54604  
 J. E. SHANKS

PRINCIPAL  
 REGISTERED PROFESSIONAL ENGINEER  
 STATE OF CALIFORNIA  
 No. 48898  
 Rick L. Chan



CITY OF SAUSALITO  
 URGENT SEWER REPLACEMENT PROJECT  
 FOURTH STREET  
 STA 20+00 TO 23+50 PLAN AND PROFILE

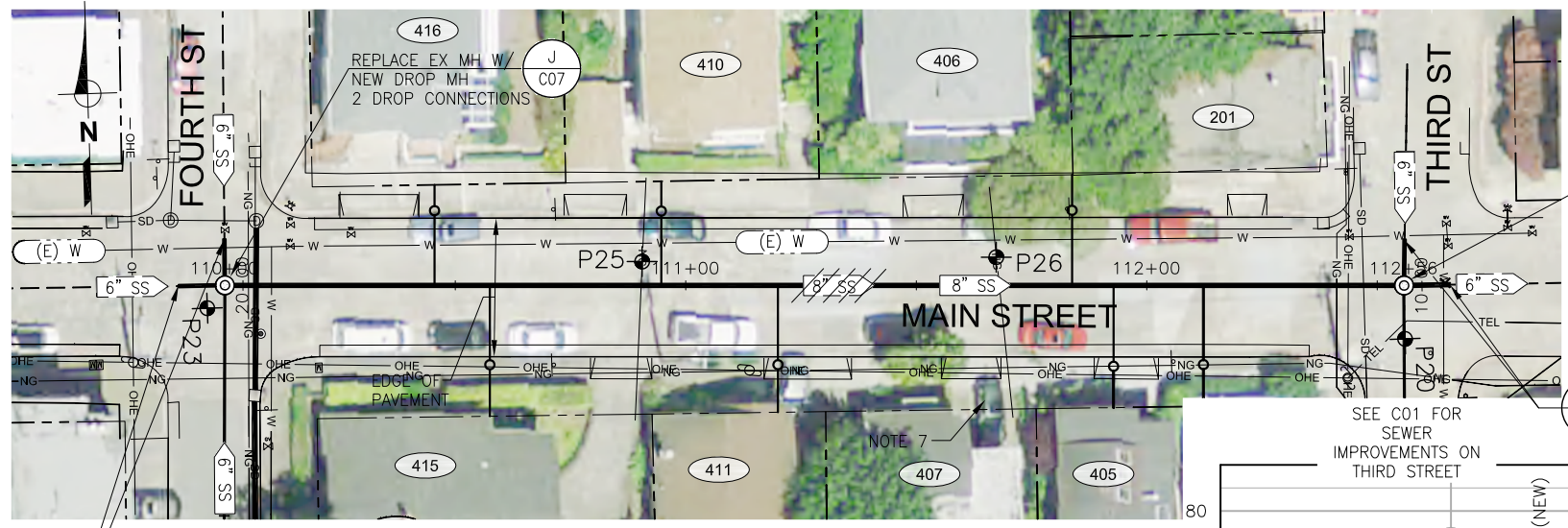
<b>VERIFY SCALES</b> BAR IS ONE INCH ON ORIGINAL DRAWING 0 1"	JOB NO. 9582A.10_002 DRAWING NO. <b>C02</b> SHEET NO. 4 OF 12
---	--

Plot Date: 7/28/2015 11:12:38 AM

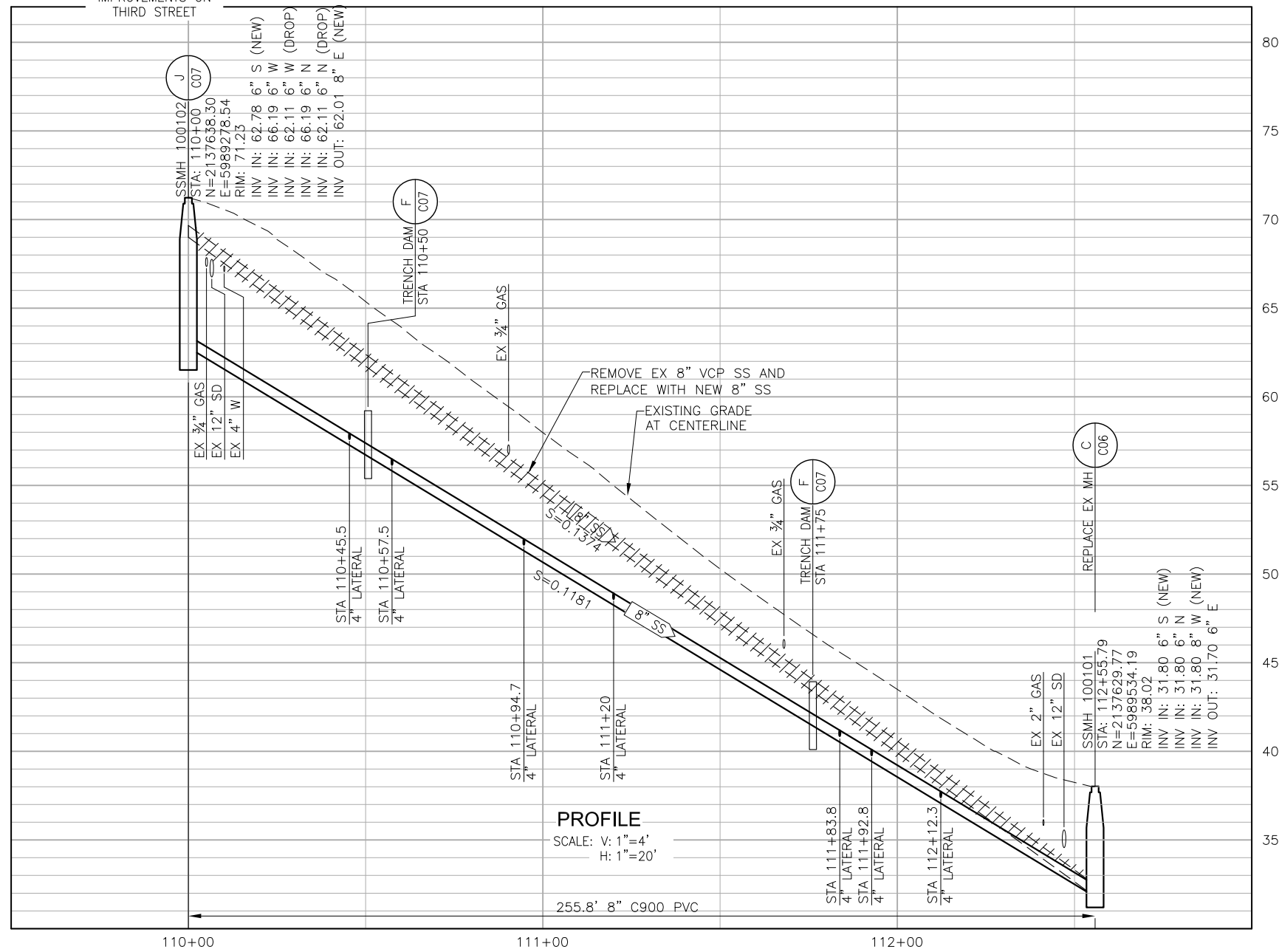
FILE NAME: 45402-0902-C01-C05.dwg

PROJECT NO. 9852A10

LAST SAVED BY: bhwms



**PLAN**  
SCALE: 1"=20'



**PROFILE**  
SCALE: V: 1"=4'  
H: 1"=20'

- NOTES:
1. PRIOR TO EXCAVATION, CONTRACTOR SHALL CLEAN AND TELEWISE ALL EXISTING SEWER MAINS AND MARK ALL SEWER LATERAL CONNECTIONS TO THE SEWER MAIN ON THE STREET. CONTRACTOR SHALL LOCATE AND MARK EACH SEWER LATERAL IMMEDIATELY BEHIND THE CURB AREA, INCLUDING THE ENTIRE ALIGNMENT OF EACH SEWER LATERAL FROM THE MAIN TO BACK OF CURB AREA. CONTRACTOR SHALL POTHOLE ALL SEWER LATERALS BEHIND THE CURB AREA TO CONFIRM EACH IS A LIVE SEWER BY CUTTING A HOLE IN THE TOP OF THE PIPE. CONTRACTOR SHALL POTHOLE ALL SEWER LATERALS BEHIND THE CURB AREA TO CONFIRM EACH IS A LIVE SEWER BY CUTTING A HOLE IN THE TOP OF PIPE. CONTRACTOR SHALL THEN TEMPORARILY REPAIR SEWER LATERALS AND EITHER TEMPORARILY BACKFILL THE SEWER LATERAL POTHOLES OR COVER THEM IN A MANNER APPROVED BY THE CITY. CONTRACTOR SHALL REMOVE AND REPLACE EXISTING LATERALS TO FAR SIDE OF CURB AND RECONNECT LATERAL SERVICE PER A-C06. CONTRACTOR SHALL INSTALL A CLEANOUT FOR EACH LATERAL PER D-C06.
  2. AERIAL PHOTO COURTESY OF COUNTY OF MARIN, 2006
  3. SEWER SHALL REMAIN IN SERVICE AT ALL TIMES. CONTRACTOR SHALL CONTROL FLOW AND/OR BYPASS AS NECESSARY.
  4. PROTECT EXISTING UTILITIES IN PLACE UNLESS SPECIFIED OTHERWISE.
  5. STATIONING BASED UPON THE CENTERLINE OF EXISTING SEWER.
  6. SEE DWG C10 FOR PAVEMENT REPAIR.
  7. LATERAL WAS NOT VISIBLE ON CCTV. CONTRACTOR SHALL FIELD VERIFY LOCATION.
  8. WHEN THE CLEARANCE BETWEEN PIPES IS 12" OR LESS, INSTALL 1" THICK SQUARE PAD OF 35-45 DUROMETER RUBBER TO PROTECT EXISTING UTILITY. PAD WILL BE THE LARGER OF THE PIPE ODS IN WIDTH.

REV	DATE	BY	DESCRIPTION
1			
2			
3			
4			

DESIGNED JI
DRAWN BH
CHECKED JES
DATE JULY 2015

PROJECT MANAGER  
  
 PRINCIPAL



CITY OF SAUSALITO  
 URGENT SEWER REPLACEMENT PROJECT  
 MAIN STREET  
 STA 110+00 TO 112+60 PLAN AND PROFILE

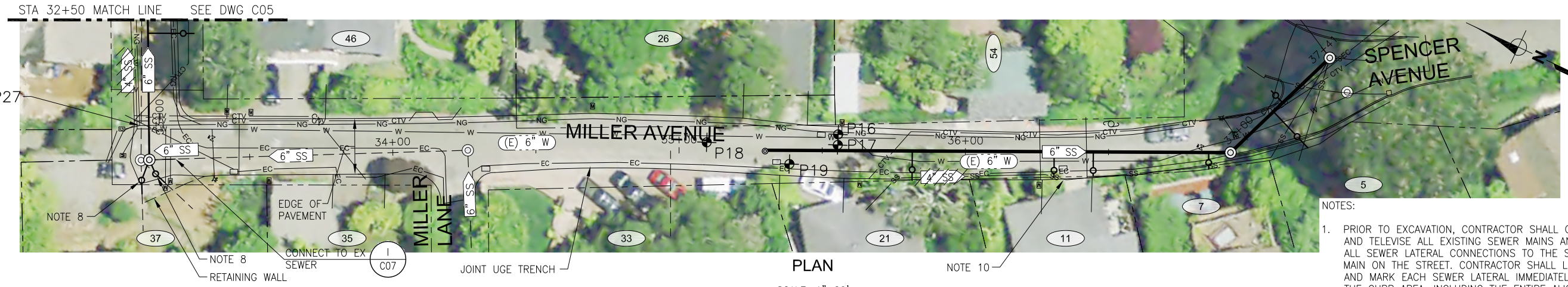
VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING 0 1'	JOB NO. 9582A.10_002
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	DRAWING NO. C03
	SHEET NO. 5 OF 12

Plot Date: 7/28/2015 1:40:21 PM

FILE NAME: 45402-0902-C01-C05.dwg

PROJECT NO. 9852A10

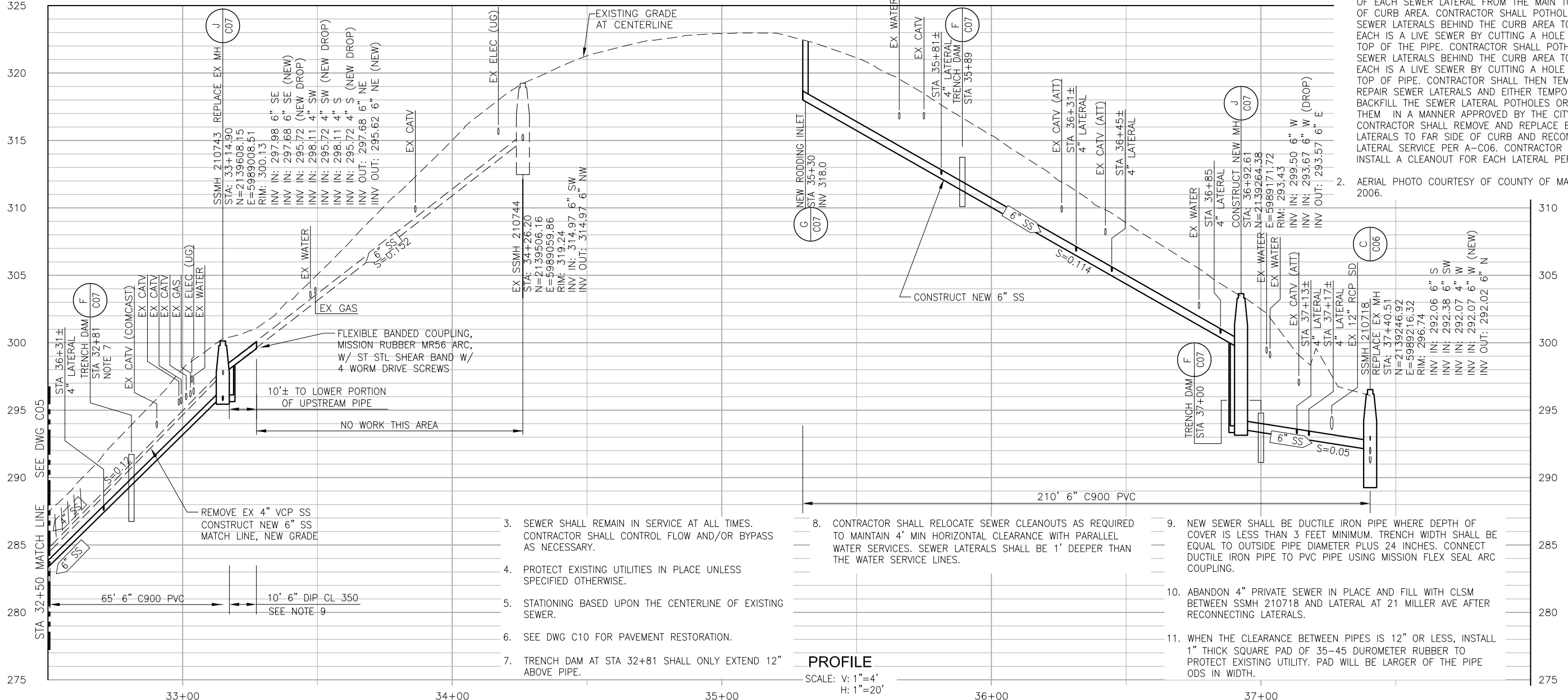
LAST SAVED BY: bhawes



PLAN

SCALE: 1"=20'

- NOTES:
1. PRIOR TO EXCAVATION, CONTRACTOR SHALL CLEAN AND TELEVISION ALL EXISTING SEWER MAINS AND MARK ALL SEWER LATERAL CONNECTIONS TO THE SEWER MAIN ON THE STREET. CONTRACTOR SHALL LOCATE AND MARK EACH SEWER LATERAL IMMEDIATELY BEHIND THE CURB AREA, INCLUDING THE ENTIRE ALIGNMENT OF EACH SEWER LATERAL FROM THE MAIN TO BACK OF CURB AREA. CONTRACTOR SHALL POTHOLE ALL SEWER LATERALS BEHIND THE CURB AREA TO CONFIRM EACH IS A LIVE SEWER BY CUTTING A HOLE IN THE TOP OF THE PIPE. CONTRACTOR SHALL POTHOLE ALL SEWER LATERALS BEHIND THE CURB AREA TO CONFIRM EACH IS A LIVE SEWER BY CUTTING A HOLE IN THE TOP OF PIPE. CONTRACTOR SHALL THEN TEMPORARILY REPAIR SEWER LATERALS AND EITHER TEMPORARILY BACKFILL THE SEWER LATERAL POTHOLE OR COVER THEM IN A MANNER APPROVED BY THE CITY. CONTRACTOR SHALL REMOVE AND REPLACE EXISTING LATERALS TO FAR SIDE OF CURB AND RECONNECT LATERAL SERVICE PER A-C06. CONTRACTOR SHALL INSTALL A CLEANOUT FOR EACH LATERAL PER D-C06.
  2. AERIAL PHOTO COURTESY OF COUNTY OF MARIN, 2006.



PROFILE

SCALE: V: 1"=4'  
H: 1"=20'

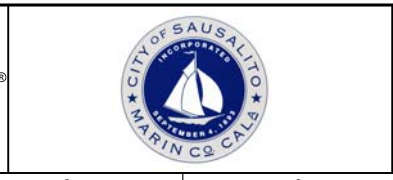
3. SEWER SHALL REMAIN IN SERVICE AT ALL TIMES. CONTRACTOR SHALL CONTROL FLOW AND/OR BYPASS AS NECESSARY.
4. PROTECT EXISTING UTILITIES IN PLACE UNLESS SPECIFIED OTHERWISE.
5. STATIONING BASED UPON THE CENTERLINE OF EXISTING SEWER.
6. SEE DWG C10 FOR PAVEMENT RESTORATION.
7. TRENCH DAM AT STA 32+81 SHALL ONLY EXTEND 12" ABOVE PIPE.
8. CONTRACTOR SHALL RELOCATE SEWER CLEANOUTS AS REQUIRED TO MAINTAIN 4" MIN HORIZONTAL CLEARANCE WITH PARALLEL WATER SERVICES. SEWER LATERALS SHALL BE 1' DEEPER THAN THE WATER SERVICE LINES.
9. NEW SEWER SHALL BE DUCTILE IRON PIPE WHERE DEPTH OF COVER IS LESS THAN 3 FEET MINIMUM. TRENCH WIDTH SHALL BE EQUAL TO OUTSIDE PIPE DIAMETER PLUS 24 INCHES. CONNECT DUCTILE IRON PIPE TO PVC PIPE USING MISSION FLEX SEAL ARC COUPLING.
10. ABANDON 4" PRIVATE SEWER IN PLACE AND FILL WITH CLSM BETWEEN SSMH 210718 AND LATERAL AT 21 MILLER AVE AFTER RECONNECTING LATERALS.
11. WHEN THE CLEARANCE BETWEEN PIPES IS 12" OR LESS, INSTALL 1" THICK SQUARE PAD OF 35-45 DUROMETER RUBBER TO PROTECT EXISTING UTILITY. PAD WILL BE LARGER OF THE PIPE ODS IN WIDTH.

REV	DATE	BY	DESCRIPTION
1			
2			

DESIGNED	JL
DRAWN	BH
CHECKED	JES
DATE	JULY 2015

PROJECT MANAGER

PRINCIPAL



CITY OF SAUSALITO  
URGENT SEWER REPLACEMENT PROJECT  
MILLER AVENUE  
STA 32+50 TO 37+40 PLAN AND PROFILE

VERIFY SCALES	JOB NO.
BAR IS ONE INCH ON ORIGINAL DRAWING	9582A.10_002
0 1'	DRAWING NO.
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	C04
	SHEET NO.
	6 OF 12

Plot Date: 7/28/2015 1:48:02 PM

PROJECT NO. 9852A10 FILE NAME: 45402-0902-C01-C05.dwg

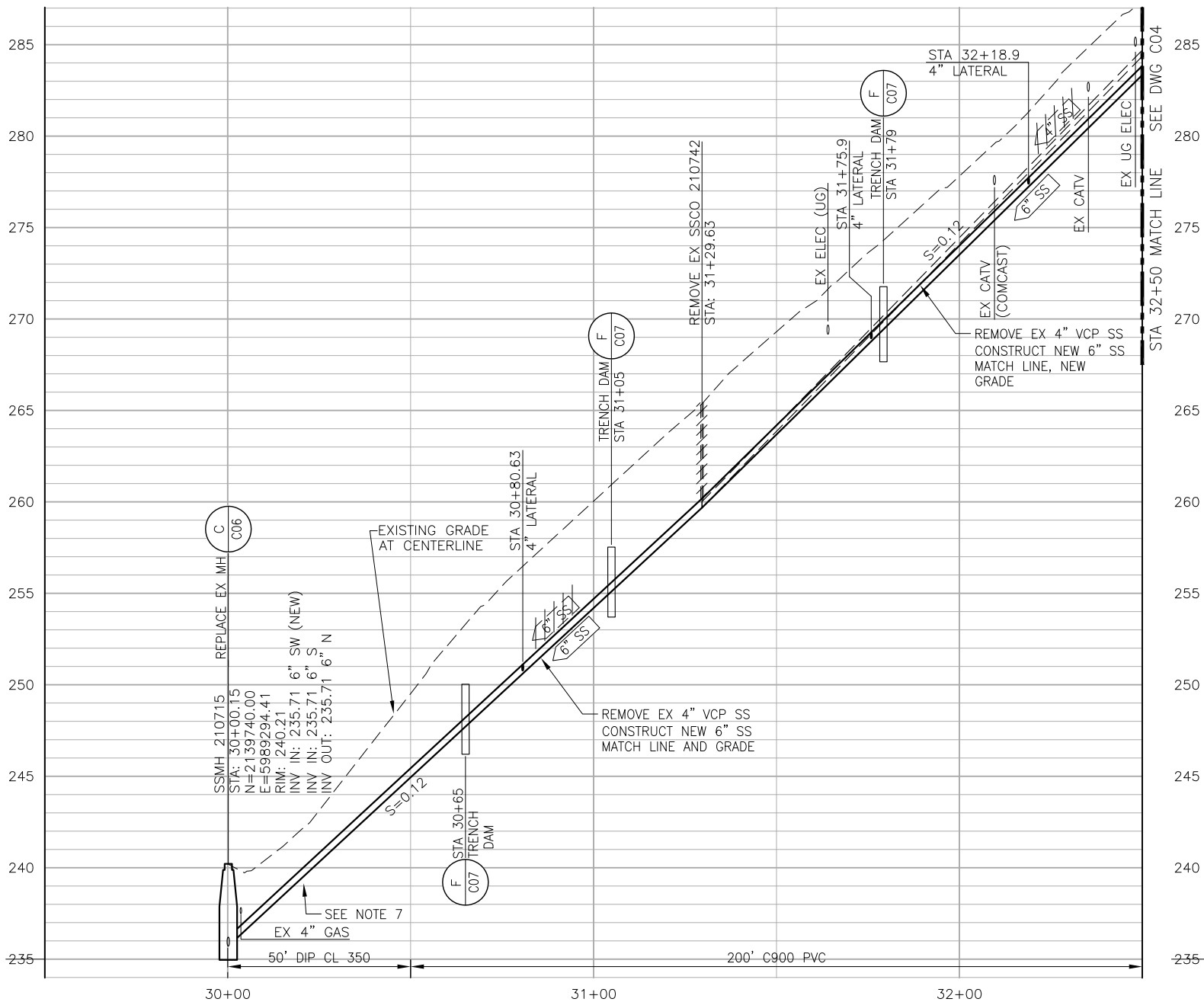
LAST SAVED BY: bhwes

PROJECT NO. 9852A10



PLAN

SCALE: 1"=20'



PROFILE

SCALE: V: 1"=4'  
H: 1"=20'

NOTES:

1. PRIOR TO EXCAVATION, CONTRACTOR SHALL CLEAN AND TELEVIEW ALL EXISTING SEWER MAINS AND MARK ALL SEWER LATERAL CONNECTIONS TO THE SEWER MAIN ON THE STREET. CONTRACTOR SHALL LOCATE AND MARK EACH SEWER LATERAL IMMEDIATELY BEHIND THE CURB AREA, INCLUDING THE ENTIRE ALIGNMENT OF EACH SEWER LATERAL FROM THE MAIN TO BACK OF CURB AREA. CONTRACTOR SHALL POTHOLE ALL SEWER LATERALS BEHIND THE CURB AREA TO CONFIRM EACH IS A LIVE SEWER BY CUTTING A HOLE IN THE TOP OF THE PIPE. CONTRACTOR SHALL POTHOLE ALL SEWER LATERALS BEHIND THE CURB AREA TO CONFIRM EACH IS A LIVE SEWER BY CUTTING A HOLE IN THE TOP OF PIPE. CONTRACTOR SHALL THEN TEMPORARILY REPAIR SEWER LATERALS AND EITHER TEMPORARILY BACKFILL THE SEWER LATERAL POTHOLES OR COVER THEM IN A MANNER APPROVED BY THE CITY. CONTRACTOR SHALL REMOVE AND REPLACE EXISTING LATERALS TO FAR SIDE OF CURB AND RECONNECT LATERAL SERVICE PER A-C06. CONTRACTOR SHALL INSTALL A CLEANOUT FOR EACH LATERAL PER D-C06.
2. AERIAL PHOTO COURTESY OF COUNTY OF MARIN, 2006
3. SEWER SHALL REMAIN IN SERVICE AT ALL TIMES. CONTRACTOR SHALL CONTROL FLOW AND/OR BYPASS AS NECESSARY.
4. PROTECT EXISTING UTILITIES IN PLACE UNLESS SPECIFIED OTHERWISE.
5. STATIONING BASED UPON THE CENTERLINE OF EXISTING SEWER.
6. SEE DWG C10 FOR PAVEMENT RESTORATION.
7. NEW SEWER SHALL BE DUCTILE IRON PIPE WHERE DEPTH OF COVER IS LESS THAN 3 FEET MINIMUM. TRENCH WIDTH SHALL BE EQUAL TO OUTSIDE PIPE DIAMETER PLUS 24 INCHES. CONNECT DUCTILE IRON PIPE TO PVC PIPE USING MISSION FLEX SEAL ARC COUPLING.
8. WHEN THE CLEARANCE BETWEEN PIPES IS 12" OR LESS, INSTALL 1" THICK SQUARE PAD OF 35-45 DUROMETER RUBBER TO PROTECT EXISTING UTILITY. PAD WILL BE THE LARGER OF THE PIPE ODS IN WIDTH.

REV	DATE	BY	DESCRIPTION
1			
2			

DESIGNED	JL
DRAWN	BH
CHECKED	JES
DATE	JULY 2015

PROJECT MANAGER  
  
 CIVIL ENGINEER  
 STATE OF CALIFORNIA

PRINCIPAL  
  
 CIVIL ENGINEER  
 STATE OF CALIFORNIA



CITY OF SAUSALITO  
 URGENT SEWER REPLACEMENT PROJECT  
 MILLER AVENUE  
 STA 30+00 TO 32+50 PLAN AND PROFILE

VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL DRAWING  
 0 1'  
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

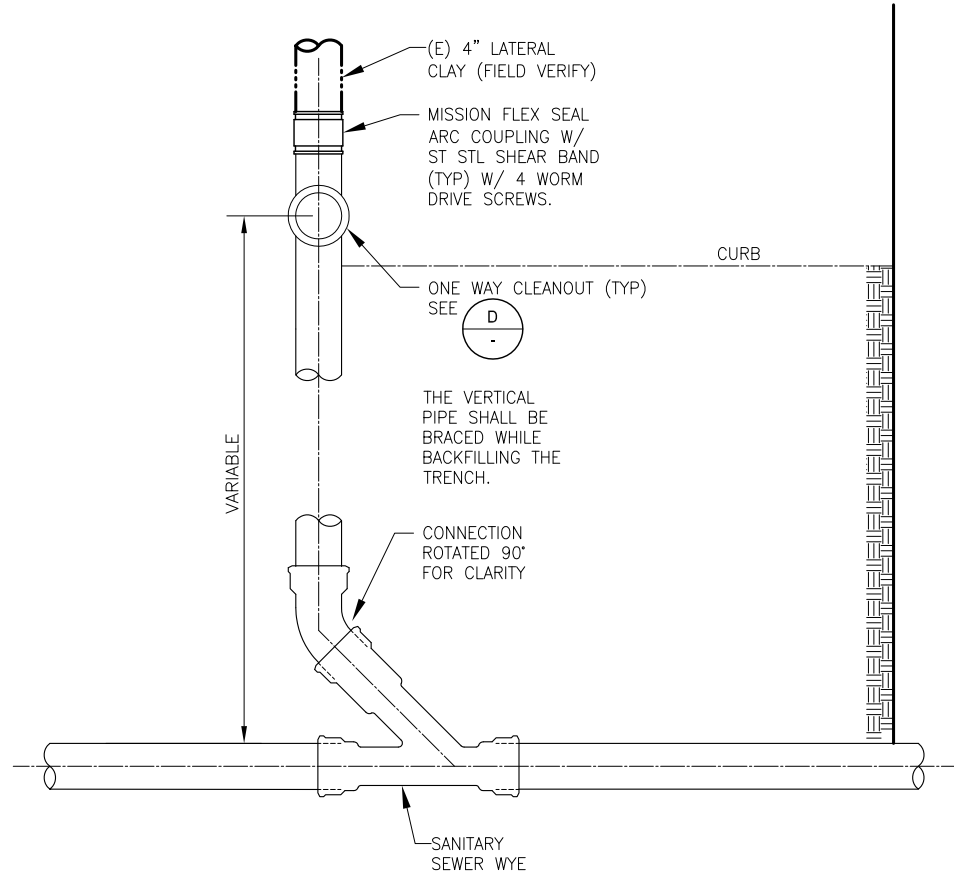
JOB NO. 9582A.10\_002  
 DRAWING NO. C05  
 SHEET NO. 7 OF 12

Plot Date: 7/28/2015 3:08:38 PM

FILE NAME: 45402-0902-C06.dwg

PROJECT NO. 9852A10

LAST SAVED BY: bhaves



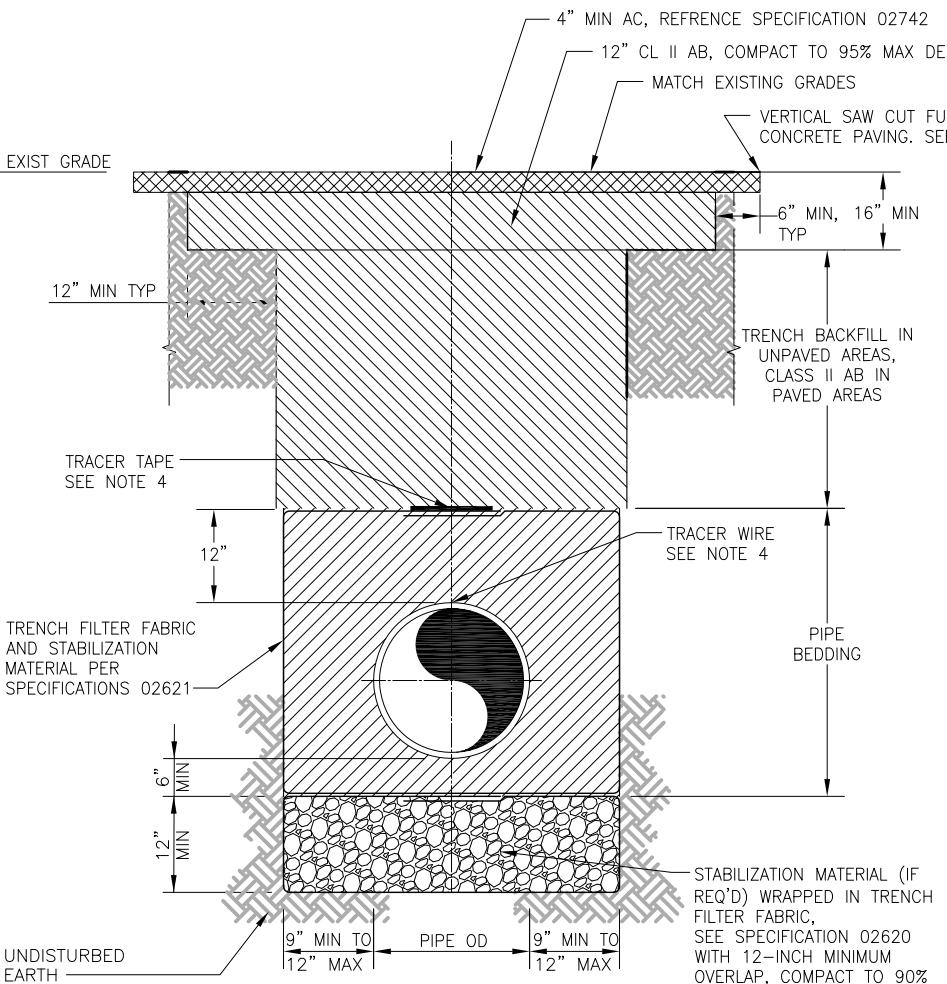
TYPICAL LATERAL RECONNECTION TO LOWER SEWER

DETAIL A  
VAR

NOT TO SCALE

**LATERAL CONNECTION NOTES:**

1. EXTEND PORTION OF NEW LATERAL AS REQUIRED TO CONNECT TO EXISTING LATERAL AT SOUND PIPE.
2. ALL JOINTS ON SEWER LATERAL PIPE SHALL BE COMPRESSION TYPE, UNLESS NOTED OTHERWISE.
3. LATERAL PIPE AND FITTINGS SHALL MATCH SAME MATERIAL AND CLASS AS MAIN SEWER.
4. THIS DETAIL IS DIAGRAMMATIC MATCH EXISTING LATERAL CONFIGURATION.
5. CONTRACTOR SHALL FIELD VERIFY EXISTING SEWER PIPE MATERIAL PRIOR TO PURCHASE OF COUPLING ADAPTERS.
6. DRAINAGE SLOPE WILL BE A MINIMUM OF 2%.



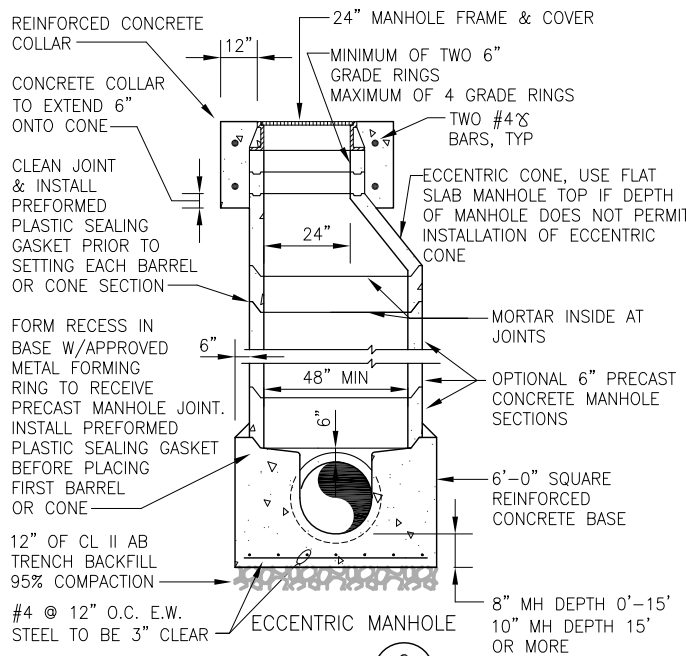
TRENCH SECTION

DETAIL B  
VAR

NOT TO SCALE

**TYPICAL TRENCH NOTES:**

1. AT THE DIRECTION OF THE CONSTRUCTION MANAGER, SURFACE IMPROVEMENTS UNDERMINED BY LOSS OF UNDERLYING MATERIAL SHALL BE REMOVED, THE VOID FILLED AND COMPACTED WITH APPROVED MATERIAL, AND THE SURFACE RESTORED TO PRECONSTRUCTION CONDITION.
2. COMPACT BACKFILL MATERIAL TO 90% RELATIVE COMPACTION. WITHIN 3' OF PAVEMENT SUBGRADE, A MINIMUM OF 95% RELATIVE COMPACTION IS REQUIRED.
3. SEE DETAIL E/C07 FOR PAVEMENT RESTORATION.
4. SEE SECTION 15076 FOR TRACER TAPE AND TRACER WIRE REQUIREMENTS.
5. LATERAL TRENCH NOT SHOWN BUT SHOULD BE REPAIRED SIMILAR TO MAIN TRENCH.
6. SEE POTHOLE KEY ON C08 FOR EXISTING ROAD MATERIAL AND APPROXIMATE DEPTH.

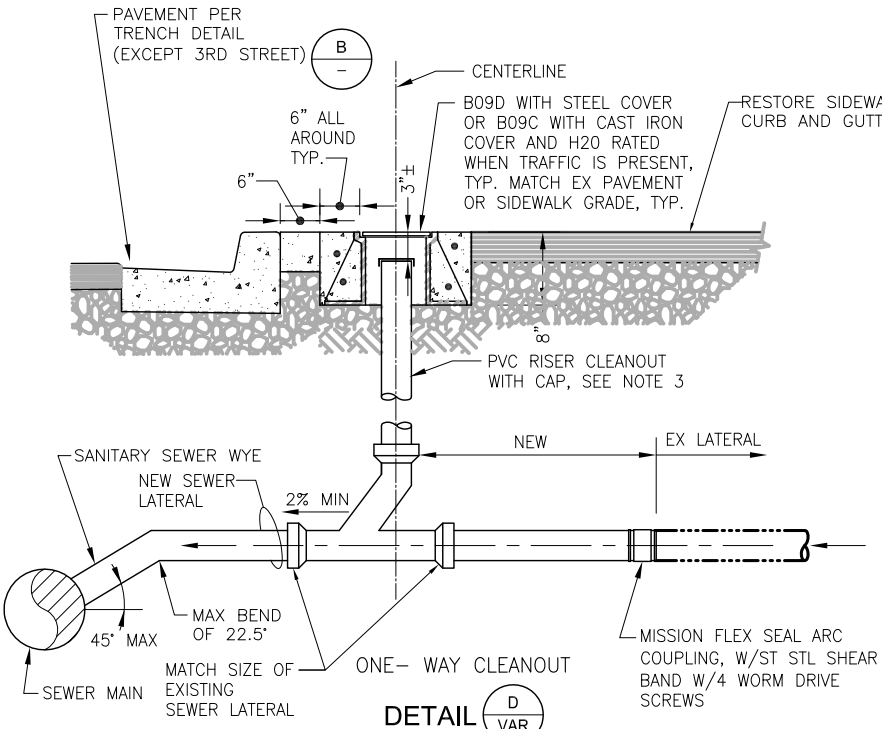


DETAIL C  
VAR

NOT TO SCALE

**ECCENTRIC MANHOLE NOTES:**

1. LAY PIPE THRU BASE OF MANHOLE WHERE POSSIBLE TO FORM SMOOTH CHANNELS. STUB ALL PIPE 1" INTO MH (TYP).
2. CONTRACTOR SHALL REMOVE EXISTING SEWER PIPE UPSTREAM AND DOWNSTREAM OF MH TO A LENGTH OF 10FT AND REPLACE WITH SAME SIZE PVC PIPE.
3. CONTRACTOR SHALL FIELD VERIFY EXISTING SEWER PIPE MATERIAL PRIOR TO PURCHASE OF COUPLING ADAPTERS.
4. COMPACT BACKFILL MATERIAL TO 90% RELATIVE COMPACTION. WITHIN 3' OF PAVEMENT SUBGRADE, A MINIMUM OF 95% RELATIVE COMPACTION IS REQUIRED.
5. PIPE CONNECTION TO MH SHALL HAVE DOUBLE HYDROPHYLIC WATERSTOP PER SECTION 05154.



DETAIL D  
VAR

NOT TO SCALE

**ONE-WAY CLEANOUT NOTES:**

1. CONTRACTOR TO VERIFY SIZE OF EX SEWER LATERAL AND PROVIDE ALL FITTINGS NECESSARY TO INSTALL NEW CLEANOUT AND CONNECT NEW SEWER.
2. LATERAL TRENCH AND EXCAVATION TO BE RESTORED PER DETAIL B C06.
3. CAP CLEANOUT WITH JONES STEPHENS CORPORATION PART NO. S62-304 OR EQUAL SEWER POPPER RELIEF VALVE.
4. LOCATE EDGE OF CLEANOUT COLLAR 6" BEHIND CURB.
5. ON DRAWING C02, CONCRETE PAVERS DISTURBED BY CONSTRUCTION AT 107 FOURTH STREET SHALL BE REPLACED IN KIND.

REV	DATE	BY	DESCRIPTION
1			
2			
3			

DESIGNED	J1
DRAWN	BH
CHECKED	JES
DATE	JULY 2015



CITY OF SAUSALITO  
URGENT SEWER REPLACEMENT PROJECT  
DETAILS 1

VERIFY SCALES	JOB NO. 9582A.10_002
BAR IS ONE INCH ON ORIGINAL DRAWING	DRAWING NO. C06
0 1'	SHEET NO. 8 OF 12

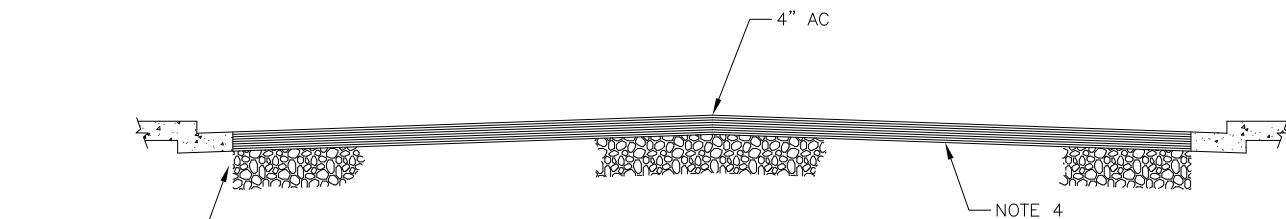


Plot Date: 7/28/2015 3:05:47 PM

FILE NAME: 45402-0902-C07.dwg

PROJECT NO. 9852A10

LAST SAVED BY: bhawes

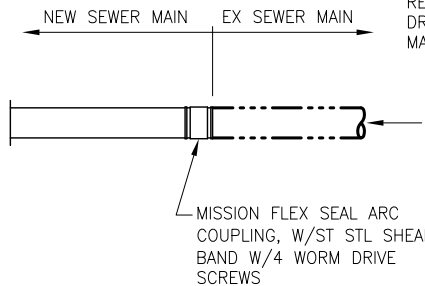


8" CLASS 2AB  
COMPACT TO 95%

NOTES:

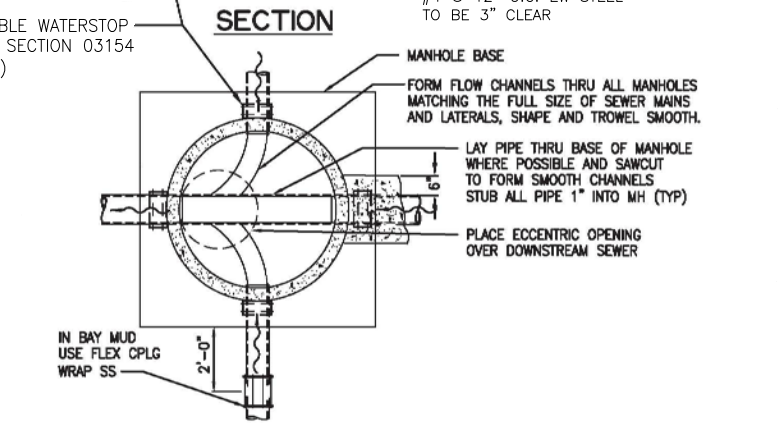
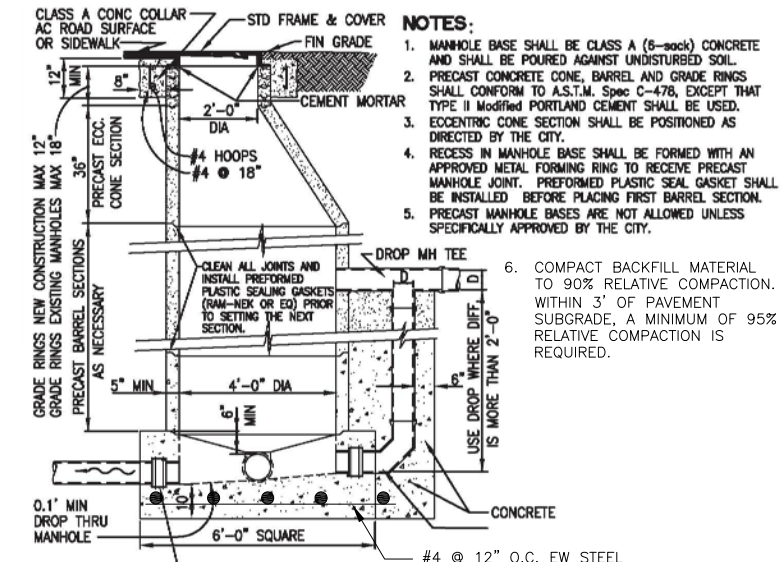
- EXISTING CONCRETE PAVING ON MILLER AVENUE IS 4-5 INCHES THICK.
- SAW CUT AND REMOVE CONCRETE PAVING FROM CURB TO CURB.
- CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING CONCRETE PAVEMENT.
- SEE DWG C10 FOR PAVEMENT PLAN TABLE.

PAVEMENT RESTORATION  
**DETAIL E VAR**  
NOT TO SCALE

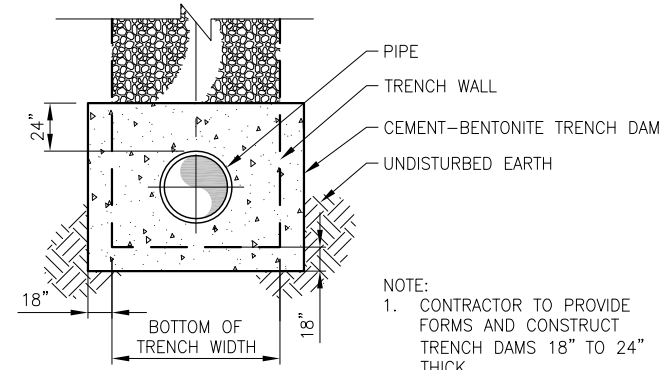


SEWER MAIN CONNECTION  
**DETAIL I VAR**  
NOT TO SCALE

NOTES:  
REFER TO PLAN AND PROFILE DRAWINGS FOR SEWER MAIN MATERIALS.

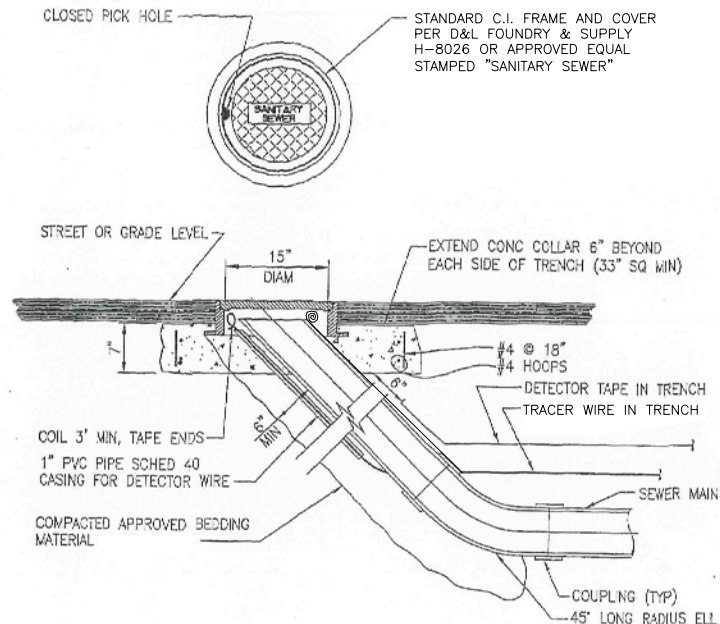


DROP MANHOLE CONNECTION  
**DETAIL J C03**  
NOT TO SCALE

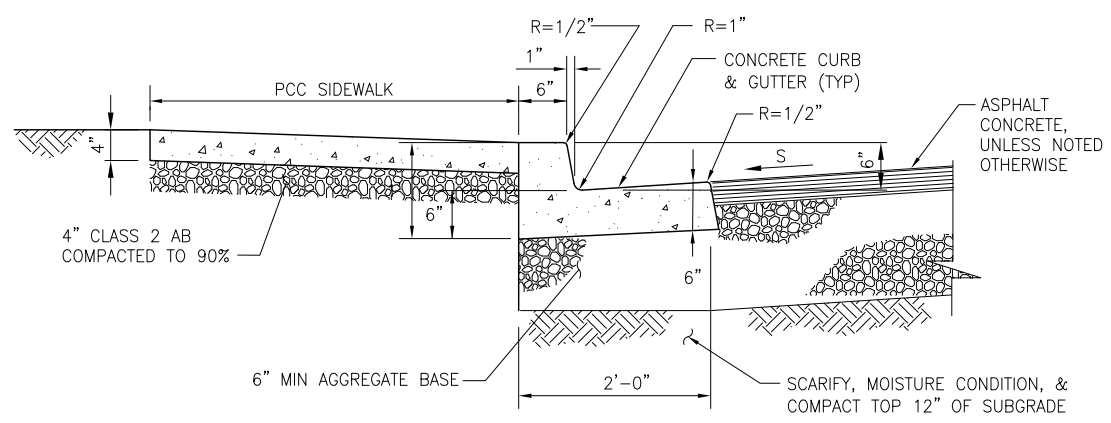


TRENCH DAM  
**DETAIL F VAR**  
NOT TO SCALE

- NOTE:
- CONTRACTOR TO PROVIDE FORMS AND CONSTRUCT TRENCH DAMS 18" TO 24" THICK.
  - CLSM MAY BE USED IN LIEU OF CEMENT-BENTONITE MATERIAL.



RODDING INLET  
**DETAIL G C05**  
NOT TO SCALE



SIDEWALK CURB & GUTTER  
**DETAIL H VAR**  
NOT TO SCALE

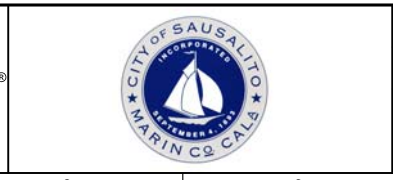
- NOTES:
- REPAIR CURB, GUTTER AND SIDEWALK DISTURBED BY THE WORK.
  - MATCH EXISTING SLOPE OF PAVEMENT AND GUTTER.

REV	DATE	BY	DESCRIPTION
1			
2			

DESIGNED	JL
DRAWN	BH
CHECKED	JES
DATE	JULY 2015

PROJECT MANAGER

PRINCIPAL



CITY OF SAUSALITO  
 URGENT SEWER REPLACEMENT PROJECT  
 DETAILS 2

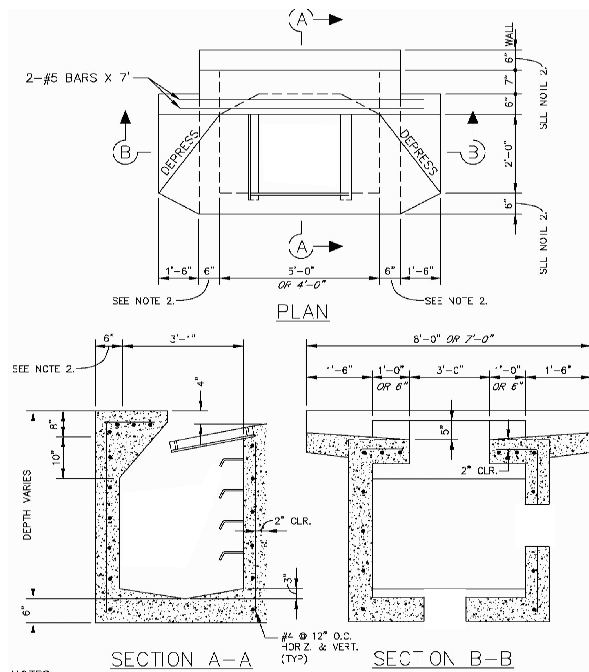
VERIFY SCALES	JOB NO.
BAR IS ONE INCH ON ORIGINAL DRAWING	9582A.10_002
0 1"	DRAWING NO.
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	C07
	SHEET NO.
	9 OF 12

Plot Date: 7/29/2015 3:03:51 PM

FILE NAME: 45402-0902-C08.dwg

PROJECT NO. 9852A10

LAST SAVED BY: dbhaves



**NOTES:**

- FOR STRUCTURES > 8" DEEP, WALL THICKNESS = 8".
- FOR CATCH BASINS FROM 3'-0" TO 6'-0" DEEP THE INSIDE DIMENSIONS MAY BE 4'-0" BY 3'-1", DIMENSIONS FOR THESE MAY BE SHOWN IN ITALICS.

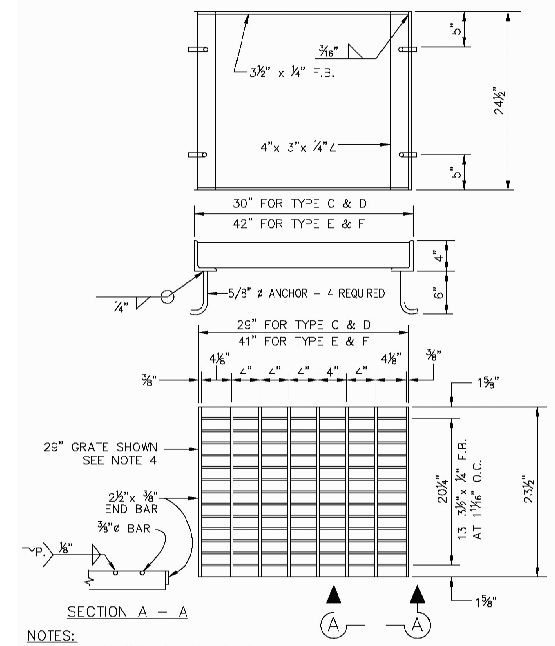
**TYPE "F" CATCH BASIN**  
**DETAIL (K) C02**  
 NOT TO SCALE

**CATCH BASIN**

- CONCRETE SHALL BE CLASS "A" (6 SACK MIX) UNLESS OTHERWISE NOTED. STRUCTURE TOPS CAST WITH ADJACENT CURB/SIDEWALK MAY BE CLASS "B" CONCRETE.
- BASE SHALL BE PLACED AGAINST UNDISTURBED EARTH, SIDES MAY BE FORMED OR PLACED AGAINST UNDISTURBED EARTH.
- 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.
- EXPANSION JOINTS SHALL BE PLACED THROUGH CURB AND SIDEWALK AT BOTH SIDES OF CATCH BASINS AND SHALL BE LIMIT OF PAVEMENT FOR CURB AND GUTTER. UNIT PRICES FOR DRAINAGE STRUCTURES SHALL INCLUDE CURB, GUTTER AND SIDEWALK POURED WITH DRAINAGE STRUCTURE.
- NO CONCRETE SHALL BE PLACED PRIOR TO FORM AND STEEL APPROVAL BY THE AGENCY ENGINEER.
- SEE (M) C08 FOR STEP (AS REQUIRED BY AGENCY ENGINEER) AND MANHOLE CASTING DETAIL.
- SEE DETAIL (L) C08 FOR CATCH BASIN GRATE DETAIL.
- WALL THICKNESS, REINFORCING, AND STEP (AS REQUIRED BY THE AGENCY ENGINEER) REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE TABLE BELOW, UNLESS OTHERWISE INDICATED BY THE PROJECT PLANS OR DIRECTED BY THE AGENCY ENGINEER.
- PLACE 2" WEEPHOLES AS REQUIRED BY THE AGENCY ENGINEER.
- EQUIVALENT PRECAST STRUCTURES MAY BE SUBSTITUTED AS APPROVED BY THE AGENCY ENGINEER.
- WALL THICKNESS SHALL NOT EXCEED 10" ON ANY STRUCTURE.
- PRECAST INLETS 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 #1)	WALL REINFORCEMENT	STEPS REQUIRED
LESS THAN 3'	6"	NO. 4 AT 12" BOTH WAYS	NO
LESS THAN 3'	8"	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

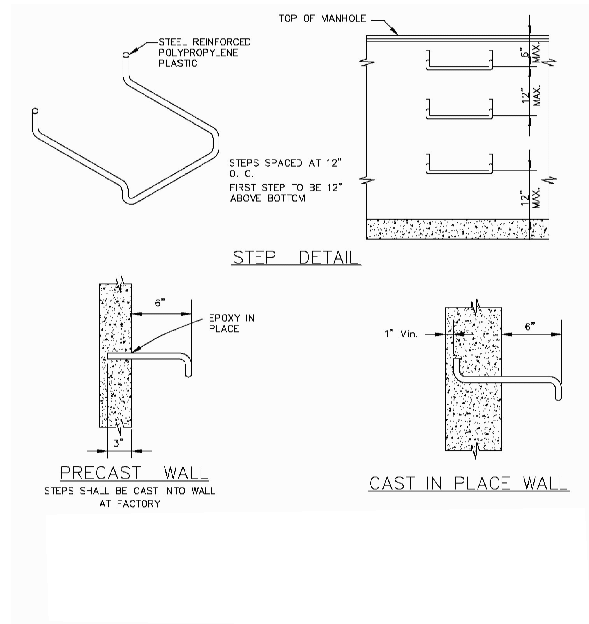
**CATCH BASIN NOTES**  
**DETAIL (K) C02**  
 NOT TO SCALE



**NOTES:**

- ALL STEEL SHALL BE STRUCTURAL GRADE.
- ALL STEEL SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION.
- TOP AND BOTTOM SURFACES OF GRATES SHALL BE GROUND FLUSH AFTER WELDING.
- FOR 40" GRATE USE STATE STD. GRATE TYPE 24-3 C2 24-12.
- FOR GRATES IN A PEDESTRIAN PATH OF TRAVEL, GRATE OPENINGS SHALL BE 2" PERPENDICULAR TO THE WALKING DIRECTION.

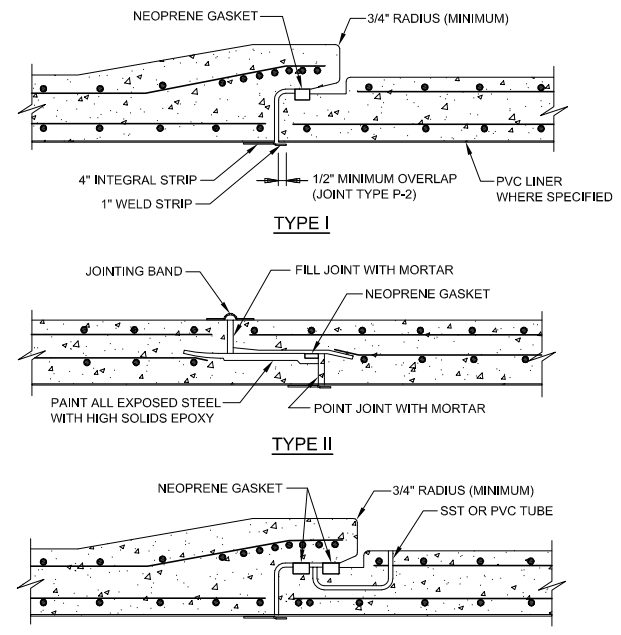
**CATCH BASIN GRATE DETAIL**  
**DETAIL (L) C02**  
 NOT TO SCALE



**NOTE:**

INSTALLATION OF STEPS SHALL BE AS REQUIRED BY AGENCY ENGINEER. WHERE INSTALLED, STEPS SHALL BE STEEL REINFORCED POLYPROPYLENE PLASTIC, CENTRAL PRECAST CONCRETE CO. DWG. No. PS2-P-1 OR EQUIVALENT, STEPS TO BE CAST IN PLACE OR PRESS FITTED INTO PROVIDED HOLES AS PER MANUFACTURER. INSTALL STEPS WITH LOWEST RING 1'-0" ABOVE THE FLOOR AND HIGHEST RING NOT MORE THAN 4" BELOW TOP OF MANHOLE. THE SPACING BETWEEN STEPS SHALL NOT EXCEED 1'-0" AND SHALL BE UNIFORM THROUGHOUT THE LENGTH OF THE WALL. PLACE STEPS IN THE WALL WITH A 1/2" OPENING, NO STEPS REQUIRED WHERE THE C-1" FROM BOTTOM TO TOP OF MANHOLE IS LESS THAN 30".

**STEP & MANHOLE CASTING DETAIL**  
**DETAIL (M) C02**  
 NOT TO SCALE



**NOTES:**

- FOR TYPE III, LINER JOINT TYPE P-2 SHOWN. FOR ALL ALTERNATE TYPE P-1, PROVIDE 4" JOINT STRIP WITH WELD STRIP EACH SIDE.
- TYPE II JOINT FOR NON-PRESSURE PIPE AND FOR WALL THICKNESS 7" OR GREATER ONLY.

**ACCEPTABLE JOINTS FOR 36" DIA AND SMALLER RCP**  
**DETAIL (N) C02**  
 NOT TO SCALE

REV	DATE	BY	DESCRIPTION
1			
2			
3			

DESIGNED	JL
DRAWN	BH
CHECKED	JES
DATE	JULY 2015

PROJECT MANAGER  
 WILL E. STRANKE  
 No. 94804  
 CIVIL ENGINEER  
 STATE OF CALIFORNIA

PRINCIPAL  
 RICK L. CHAMBERS  
 No. 68896  
 CIVIL ENGINEER  
 STATE OF CALIFORNIA



**CITY OF SAUSALITO**  
**URGENT SEWER REPLACEMENT PROJECT**  
**DETAILS 3**

VERIFY SCALES	JOB NO. 9582A.10_002
BAR IS ONE INCH ON ORIGINAL DRAWING	DRAWING NO. <b>C08</b>
0 1"	SHEET NO. 10 OF 12

Plot Date: 7/10/2015 4:28:48 PM

FILE NAME: 45402-0902-C09.dwg

PROJECT NO. 9852A10


LAST SAVED BY: dbhaves


POTHOLE KEY									
POTHOLE #	STREET	CUT SIZE	ASPHALT	CONCRETE	SOIL	UTILITY	MATERIAL	DEPTH	COMMENTS
1	THIRD ST	1'X1'		4"	CLAY	4" WATER	CAST IRON	36"	55" SOUTH OF MANHOLE. 71" WEST OF CURB
2	THIRD ST	1'X1'		4"	CLAY	½" WATER SERVICE	COPPER	24"	70" SOUTH OF WATER VALVE. 117" WEST OF CURB. SERVICE IS CROSSING ON TOP OF SANITARY SEWER
2B	THIRD ST	1'X1'				6" SANITARY SEWER	CLAY	24.5"	
3	THIRD ST	1'X1'		4.5"	CLAY, ROCKS	12" STORM DRAIN	CONCRETE	32"	46" EAST OF CURB. 262" SOUTHEAST OF STORM DRAIN
4	THIRD ST (IN FRONT OF 101)	1'X1'		4"	CLAY, ROCKS	½" WATER SERVICE	COPPER	34"	38" SOUTH OF WATER VALVE. 72" WEST OF CURB
4B	THIRD ST (IN FRONT OF 101)	1'X1'				4" WATER	CAST IRON	35"	
5	THIRD ST (IN FRONT OF 101)	1'X1'		5"	CLAY, ROCKS	POSSIBLE 6" SANITARY SEWER	CLAY		NO VISUAL DUE TO WATER. FELT POSSIBLE PIPE AT 54". POTHOLE IS 44" SOUTH OF SEWER CLEANOUT. 114" WEST OF CURB
6	THIRD ST (IN FRONT OF 101)	1'X1'		4"	CLAY, ROCKS	12" STORM DRAIN	CONCRETE	38.5"	44" EAST OF CURB. 187" SOUTH OF DRIVEWAY
7	118 FOURTH ST	1'X2'		4"	ROCKS, NATIVE, DIRT	4" WATER	STEEL	22"	12" EAST FROM FACE OF CURB. 69" SOUTH FROM SANITARY SEWER MANHOLE AT MAIN ST AND FOURTH STREET
7B	118 FOURTH ST	1'X2'				UNKNOWN 2"	STEEL	36"	
8	118 FOURTH ST	1'X1'	5"		BASE ROCK, SAND	2" GAS	PLASTIC	32"	53" WEST FROM FACE OF CURB. 68" SOUTH FROM SANITARY SEWER MANHOLE
9	118 FOURTH ST	1'X1'	6"		BASE ROCK, NATIVE, ROCKS	POSSIBLE 6" SANITARY SEWER	UNKNOWN-COVERED IN MOLD	25"	100" WEST FROM FACE OF CURB. 68" SOUTH FROM SANITARY SEWER MANHOLE CLEARED 6" UNDER 6" STEEL LINE TO VERIFY SEWER BUT NO LOCATE ON SECOND UTILITY AT MARKED LOCATION
10	102 FOURTH ST	1'X1'		4"	ROCKS, NATIVE, DIRT	4" WATER	DUCTILE IRON	22"	19" EAST FROM FACE OF CURB. 86" NORTH FROM SANITARY SEWER MANHOLE AT VALLEY AND FOURTH STREET
11	102 FOURTH ST	1'X1'	5"		HARD SAND, ROCKS, DIRT, SAND	UNKNOWN 2"	STEEL	23"	48" WEST FROM FACE OF CURB. 86" SOUTH FROM SANITARY SEWER AT VALLEY AND 4TH STREET
11B	102 FOURTH ST	1'X1'				2" GAS	PLASTIC	28"	
12	102 FOURTH ST	1'X2'	5"		HARD ROCKS, CLAY, DIRT	¾" WATER SERVICE	COPPER	17"	101" WEST FROM FACE OF CURB. 86" SOUTH FROM SANITARY SEWER AT VALLEY AND 4TH STREET.
12B	102 FOURTH ST	1'X2'				6" SANITARY SEWER	CLAY	48"	
16	21 MILLER AVE	1'X2'	5"		HARD BASE ROCK, SAND	1-4" SBC CORD	PVC	34"	40" WEST FROM FACE OF CURB. 55" SOUTH FROM SBC BOX IN PLANTER. LOCATED POSSIBLE ELEC UNDER SLURRY ENCASUREMENT WITH SBC LINE CROSSING IN THIS POT HOLE, TOP AT 33" COULD NOT GET BOTTOM AS IT WAS RUNNING UNDER CONCRETE CURB. PGE LINES IN BOX ARE RUNNING ACROSS MILLER EAST TO WEST MAIN. POSSIBLY IN ENCASUREMENT UNDER CURB
16B	21 MILLER AVE	1'X2'				4-4" ATT CONDUITS	PVC	TOP: 48" BOT: 56"	
17	21 MILLER AVE	1'X1'	5"		HARD BASE ROCK, SAND	2" GAS	STEEL	40"	67" WEST FROM FACE OF CURB. 55" SOUTH FROM SBC BOX IN PLANTER
18	21 MILLER AVE	1'X1'	5"		BASE ROCK, SAND	6" WATER	BLUE PVC	32"	85" EAST FROM FACE OF CURB. 28"-3" NORTH FROM PGE BOX IN ROAD
19	21 MILLER AVE	1'X1'	4"	6"	CLAY	2" CABLE TV	WHITE PVC	11"	31'-7" NORTH FROM PGE BOX IN ROAD. 30" EAST FROM FACE OF CURB
20	3RD STREET	1'X1'		4"	ROCKS, CLAY	4" GAS	STEEL	29"	173" EAST OF TELEPHONE POLE. 206" SOUTH OF SEWER MANHOLE.
21	3RD STREET	1'X1'		4"	CLAY	¾" GAS	STEEL	9"	36" WEST OF FACE OF CURB. 39" NORTH OF GAS VALVE.
22	3RD STREET	1'X1'		4"	CLAY	¾" GAS	STEEL	12"	252" SOUTH OF GAS VALVE. 35" WEST OF FACE OF CURB.
23	4TH STREET	1'X1'		5"	ROCKS, CLAY	4" GAS	STEEL	26"	120" EAST OF FACE OF CURB. 213" SOUTH OF SEWER MANHOLE.
24	4TH STREET	1'X1'	6"		SAND	¾" GAS	STEEL	16"	55" EAST OF FACE OF CURB. 220" NORTH OF WATER METER BOX.
25	MAIN STREET	1'X1'		5"	ROCKS, CLAY	¾" GAS	STEEL	22"	160" SOUTH OF FACE OF CURB. 84" WEST OF WATER VALVE.
26	MAIN STREET	1'X1'		5"	ROCKS, CLAY	¾" GAS	STEEL	19"	128" SOUTH FACE OF FACE CURB. 194" WEST OF SEWER MANHOLE.
27	37 MILLER STREET	1'X1'	4"		ROCKS, CLAY	6" ELEC	STEEL	24"	80" EAST FROM SANITARY SEWER MANHOLE. 75" SOUTH FROM EDGE OF DRIVEWAY.

**NOTES**

POT HOLE INFORMATION PROVIDED DOES NOT RELIEVE THE CONTRACTOR OF ITS OBLIGATION TO POT HOLE ALL UTILITIES PRIOR TO EXCAVATION AS SPECIFIED IN SECTION 01060.1.04.C.1 EXPLORATION EXCAVATION.

DESIGNED	JL		
DRAWN	BH		
CHECKED	JES		
DATE	JULY 2015		
REV	DATE	BY	DESCRIPTION

PROJECT MANAGER  
  
 CIVIL ENGINEER  
 STATE OF CALIFORNIA

PRINCIPAL  
  
 CIVIL ENGINEER  
 STATE OF CALIFORNIA



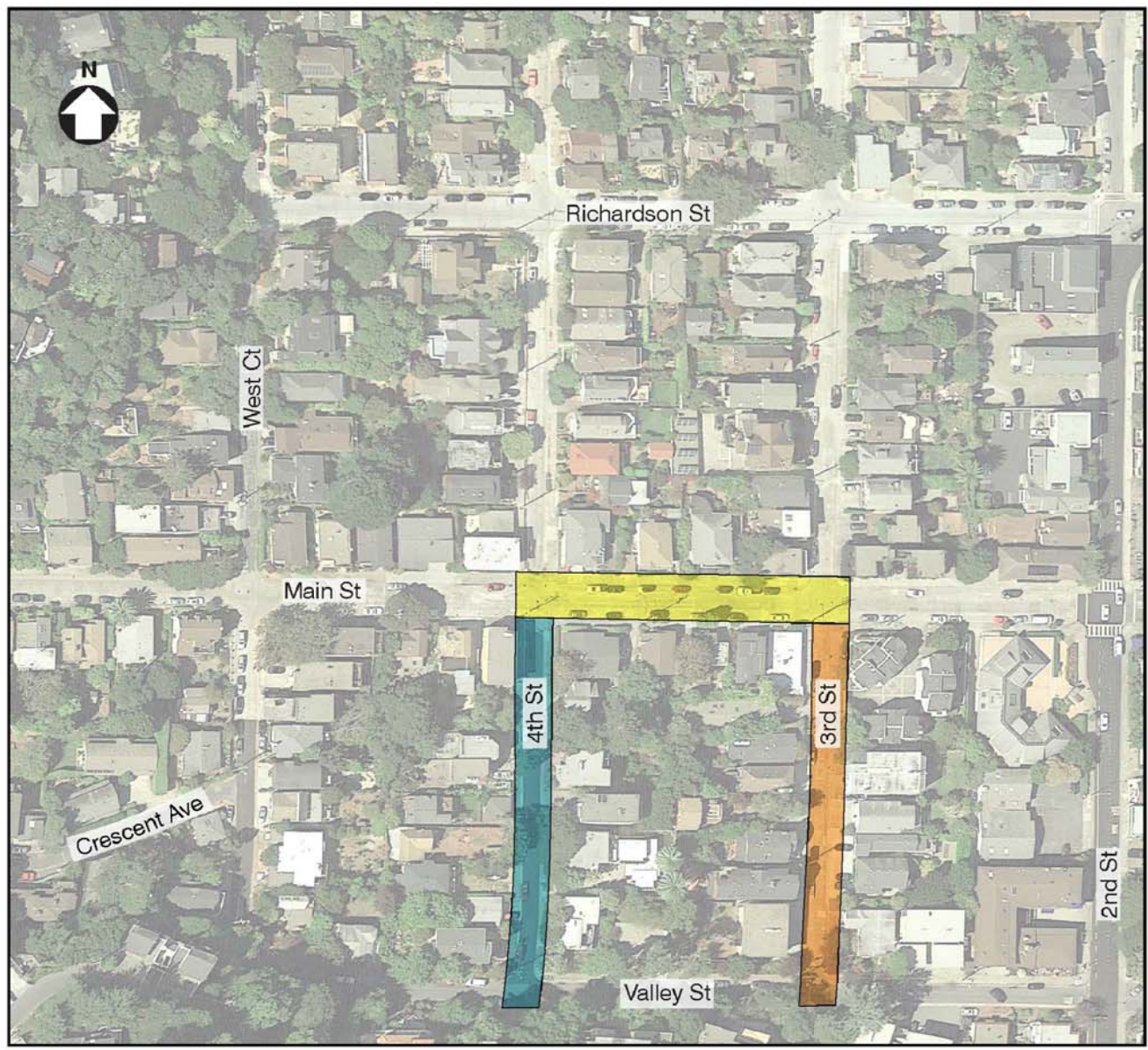
CITY OF SAUSALITO		VERIFY SCALES	JOB NO.
URGENT SEWER REPLACEMENT PROJECT		BAR IS ONE INCH ON ORIGINAL DRAWING	9582A.10_002
POT HOLE KEY INFORMATION		0 1"	DRAWING NO.
		IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	C09
			SHEET NO.
			11 OF 12

Plot Date: 7/28/2015 12:32:09 PM

FILE NAME: 45402-0902-C10.dwg

PROJECT NO. 9652A10

LAST SAVED BY: bhawes



PAVEMENT PLAN TABLE			
Street	Pavement Requirements	Approximate Dimensions	Legend
Main St - from east side of 3rd St to west side of 4th St	Repair per detail B-C06	280' x 2.5'	
3rd St - from Main St to south side of Valley St	Pave trench and distressed PCC areas with AC and refer to detail B-C06	350' x 2.5'	
4th St - from Main St to south side of Valley St	Repair per detail B-C06 and slurry seal curb to curb	350' x 4.5'	
Miller Ave - from east side of San Carlos Ave to east side of Spencer Ave	Remove and replace existing AC pavement with new AC pavement per detail E-C07 curb to curb	780' x 20'	

REV	DATE	BY	DESCRIPTION

DESIGNED  
JI  
DRAWN  
BH  
CHECKED  
JES  
DATE  
JULY 2015

PROJECT MANAGER  
JILL E. SHANKLE  
No. 54604  
CIVIL ENGINEER  
STATE OF CALIFORNIA

PRINCIPAL  
RICK L. CHAM  
No. 48898  
CIVIL ENGINEER  
STATE OF CALIFORNIA



CITY OF SAUSALITO  
URGENT SEWER REPLACEMENT PROJECT  
PAVEMENT PLAN

VERIFY SCALES  
BAR IS ONE INCH ON ORIGINAL DRAWING  
0 1'  
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

JOB NO.  
9582A.10\_002  
DRAWING NO.  
**C10**  
SHEET NO.  
12 OF 12