

ADDENDUM NO. 1
TO
Bid Documents
FOR
City of Sausalito
Urgent Sewer Replacement Project

August 10, 2015



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CONTRACT DOCUMENTS, DRAWINGS:**Drawing C01**

1. Add one existing 4" lateral connecting to clean out at STA 12+35. Contractor shall replace lateral and connect to new 6" sewer.
2. Revise Note 9, last sentence: delete "MISSION FLEX SEAL ARC COUPLING" and replace with "MEGALUG COUPLING.'

Drawing C02

1. Revise Note 6, last sentence: delete "MISSION FLEX SEAL ARC COUPLING" and replace with "MEGALUG COUPLING.'
2. Delete note 9 and replace with '9. Remove and replace catch basins per details K/C08, L/C08, and M/C08. INSTALL WATERSTOP PER SECTION 03154 AND DRY PACK MORTAR ANNULAR SPACE. PRECAST CATCH BASINS MAY BE USED AT CONTRACTOR'S OPTION.'
3. Add note 12: CONTRACTOR SHALL REMOVE BRICK AND MORTAR VERTICAL PIPE TO APPROXIMATELY ELEVATION 61 AT STA 21+03. PRIOR TO DEMOLITION OF PIPE, EXCAVATION AROUND VERTICAL PIPE SHALL OCCUR UNIFORMLY SO THAT HORIZONTAL COMPRESSIVE LOADING IS DECREASED EVENLY. CONTRACTOR SHALL PROTECT IN PLACE REMAINING BRICK AND MORTAR SD AND SHALL PREVENT DEBRIS FROM ENTERING VERTICAL SD. CONTRACTOR SHALL DRY PACK MORTAR ANNULAR SPACE BETWEEN PIPE AND CATCH BASIN. WATERSTOPS SHALL NOT BE USED IN THIS LOCATION.
4. Change callouts in plan and profile for the existing CMP SD running between catch basins at STA 20+24 and STA 21+03 from a 10" CMP to a 12" CMP. Change new 10" RCP storm drain to be 12" RCP storm drain.
5. Change callouts in plan and profile for the existing vertical 15" CMP SD at STA 21+03 from a 15" CMP to a 27" internal diameter brick and mortar shaft.
6. Add note 13: EXISTING CATCH BASIN AT STA 21+03 HAS A 27" ID BRICK AND MORTAR VERTICAL PIPE THAT DROPS TO ELEVATION 41.9 FEET WHERE IT CONNECTS TO A 30" WIDE BY 36" DEEP RCP BOX CULVERT. THE EXISTING 12" SD FLOWING TOWARDS THE CATCH BASIN AT STA 21+03 FROM THE NORTH, DROPS AND CONNECTS INTO THE BOX CULVERT. CONTRACTOR SHALL PLUG 12" CMP SD AT BOX CULVERT AND ABANDON EXISTING LINE BY FILLING WITH CLSM. CONTRACTOR SHALL INSTALL NEW 12" RCP AS INDICATED.

Drawing C04

1. Revise Note 9, last sentence: delete "MISSION FLEX SEAL ARC COUPLING" and replace with "MEGALUG COUPLING."
2. Revise Note 10 by inserting "Private sewer shall be included in Contractor's CCTV work."

Drawing C05

1. Revise Note 7, last sentence: delete "MISSION FLEX SEAL ARC COUPLING" and replace with "MEGALUG COUPLING.'

Drawing C06

1. Detail D - Replace cleanout cover note with new note "INSTALL B09D WITH STEEL COVER IN AREAS THAT DON'T EXPERIENCE TRAFFIC AND B09C WITH CAST IRON COVER WITH H-20 RATING IN AREAS THAT DO EXPERIENCE TRAFFIC. MATCH EX PAVEMENT OR SIDEWALK GRADE."
2. Revise typical trench note 2., second sentence to read: "Within 2 feet of finished grade, a minimum of 95% relative compaction of backfill is required."

Drawing C07

1. Detail I - Replace callout "MISSION FLEX SEAL ARC COUPLING W/ ST STL SHEAR BAND W/4 WORM DRIVE SCREWS" with "MEGALUG COUPLING PER SECTION 15211."
2. Detail J - Remove concrete encasement around vertical drop inlet above manhole base and replace with CLSM.

CONTRACT DOCUMENTS, SPECIFICATIONS:Section 00300 - Bid Form

1. Replace p. 3 with attached p. 3 (see Addendum Pg. 6 of 9).

Section 01025 - Measurement and Payment

1. Insert at the end of paragraph 1.02.V:

W. Bid Item 26 - CCTV of Sewer Mains and Laterals:

1. This bid item shall be lump sum. Payment for this item will be prorated over the course of the Project based on percentage complete of all items. 2. This bid item includes all work and materials necessary to CCTV sewer mains and laterals to determine exact lateral locations service during the project and includes design and preparation of a flow control plan; submittals; personnel; plugging; bypass pumping; piping; temporary pipe trenching and surface restoration; protecting piping from traffic; sound attenuation equipment; temporary flow diversions; odor control equipment, handling flow from laterals that are temporarily disconnected; restoration of sewer flow; and all incidentals as required by these Plans and Specifications.

X. Bid Item 27 - Storm Drain Abandonment and CLSM Fill:

1. This bid item shall be measured in linear feet. Measurement for unit price work will be based on the actual number of linear feet complete and in place as directed by the Construction Manager.
2. This bid item includes all labor, equipment, and materials necessary to fill existing storm drain to be abandoned with CLSM; any additional SWPPP pollution prevention measures; any additional saw cutting; any additional excavation; any additional dust control; soil stockpiling and spoils handling and disposal; any additional backfilling; compaction; testing; any additional surface restoration including sidewalks, concrete paving, asphalt paving, curbs, gutters, fences, and

other surface features disturbed by the Work; record drawings and all incidentals required for a complete installation.

Section 02318 - Trenching

1. Paragraph 3.02.E.3.a: Replace "95 percent of maximum density" to "90 percent of maximum density."
2. Add to end of paragraph 3.02.A.7.c "Contractor may use hot asphalt temporary paving in lieu of plating as allowed by City encroachment permit."

Section 02501 - Pipe Cleaning and CCTV Inspection

3. Delete 3.01.D.

Section 15052 - Common Work Results for General Piping

1. Replace '3.04 PIPING SCHEDULE' table with attached 'Piping Schedule' table (see Addendum Pg. 7 of 9).

Section 15211 - Ductile Iron Pipe: AWWA C151

1. Insert new paragraph after paragraph 2.01B.1:
2. Push-on joint restraint harnesses:
 - a. Manufacturers: One of the following or equal:
 - 1) EBAA Iron, Inc., Megalug Series 1700.
 - 2) Star Pipe Products, Split Stargrip Series 3100S.
 - b. Materials:
 - 1) Restraint and backup ring: Ductile iron in accordance with ASTM A 536.
 - 2) Wedges and wedge actuating components: Ductile iron in accordance with ASTM A 536:
 - a) Wedges shall be heat treated to a minimum of 370 BHN.
 - 3) Actuating bolts and nuts: Ductile iron in accordance with ASTM A 536:
 - a) Provide torque-limiting twist off components to ensure proper installation.
 - 4) Tie rods: Low alloy steel in accordance with AWWA C111.
 - c. Coatings:
 - 1) Provide manufacturer applied coating system and wrap in polyethylene encasement.
 - 2) Manufacturers: One of the following or equal:
 - a) EBAA Iron Inc., Mega-Bond.
 - b) Star Pipe Products, Star-Bond.
 - d. Working pressure:
 - 1) Shall include a minimum safety factor of 2:1.
 - 2) 150 pounds per square inch.
 - e. Restraint shall consist of a backup ring behind the ductile iron bell and a restraint ring consisting of multiple gripping wedges connected with number and type of tie rods as recommended by the manufacturer.
 - f. Restraint shall allow post assembly deflection of a minimum of 50 percent of the deflection capability of the push-on joint.

Section 15956 - Piping Systems Testing

1. Insert new paragraph 1.04.C. "C. CCTV data of new sewer."
2. Paragraph 3.01.A.3: Delete "0.01 feet' and replace with "0.1 feet."
3. Paragraph 3.01.A.4: Delete "0.03 feet' and replace with "0.3 feet."
4. Insert new paragraph 3.01.A.5. "5. Contractor shall CCTV new sewer using one-tenth target attached to CCTV camera to verify compliance with maximum vertical deviation from grade indicated on drawings."
5. Delete paragraph 3.02 and replace with the following paragraph.

3.02 TESTING GRAVITY FLOW PIPING

- A. Test gravity flow piping indicated with "GR" in the Piping Schedule, as follows:
 1. Unless specified otherwise, subject gravity flow piping to the following tests:
 - a. Alignment and grade.
 - b. For plastic piping test for deflection.
 - c. Visible leaks and pressure with maximum leakage allowance, except for storm drains and culverts.
 2. Inspect piping for visible leaks before backfilling.
 3. Provide temporary restraints when needed to prevent movement of piping.
 4. Gravity flow piping can be tested by the following method:
 - a. Air Pressure Test:
 - 1) Each section of sewer main and its appurtenant connected laterals shall be tested between successive manholes by plugging and bracing all openings in the sewer lines. If any leaks are found, the air pressure shall be released, the leaks eliminated, and the test procedure started over again.
 - 2) All necessary test equipment shall be in proper working order and tests shall be made in the presence of the Inspector. Test plugs shall be carefully placed at each end of the section of line to be tested. When all necessary test equipment is in place, a compressed air supply shall be attached to the air fitting on the test equipment and the air pressure within the line increased to four (4) pounds per square inch (psi). After the air supply is securely turned off or disconnected, there shall be a two (2) minute waiting period to allow stabilization of air within the sewer line before the actual test period begins. In no case shall the air pressure within the line be less than three and one-half (3-1/2) pounds per square inch at the beginning of the test period. The allowable air pressure loss shall not exceed one (1) pound per square inch for a period of 15 minutes. After completion of a test, the air pressure shall be released slowly through the valve, which is incorporated in the test equipment. Air test plugs shall not be removed until the air pressure is no longer measurable."

- m. This Bid is genuine and not made in the interest of or on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation; BIDDER has not directly or indirectly induced or solicited any other BIDDER to submit a false or sham Bid; BIDDER has not solicited or induced any person, firm or corporation to refrain from bidding; and BIDDER has not sought by collusion to obtain for itself any advantage over any other BIDDER or over OWNER.

4. Bid Prices

BID SCHEDULE

BID ITEM NO.	DESCRIPTION	EST. QTY.	UNIT	UNIT PRICE	BID PRICE
1	Mobilization and Demobilization	1	LS		
2	Bypass Pumping and Control of Sewage Flow	1	LS		
3	Dewatering	1	LS		
4	Shoring	1	LS		
5	6-inch DIP Sanitary Sewer	316	LF		
6	6-inch PVC Sanitary Sewer	1,020	LF		
7	8-inch Sanitary Sewer	256	LF		
8	15-inch RCP Storm Drain	20	LF		
9	10-inch RCP Storm Drain	120	LF		
10	Lateral Replacement per Detail A/C06	780	LF		
11	One Way Cleanouts per Detail D/C06	39	LF		
12	48" Manhole	4	EA		
13	48" Drop Manhole	3	EA		
14	New Rodding Inlet	1	EA		
15	AC Pavement Replacement per Detail E/C01	15,600	SF		
16	AC Pavement Restoration Per Detail B/C06	3,150	SF		
17	Trench Dams	8	EA		
18	Rock Excavation	75	CY		
19	Trench Foundation Overexcavation and Refilling	10	CY		
20	Catch Basin Replacement	3	EA		
21	Sewer Abandonment and CLSM Fill	145	LF		
22	Manhole Rehabilitation	1	EA		
23	Geotechnical Report	1	LS		
24	Traffic Control	1	LS		
25	Slurry Seal	7,000	SF		
26	CCTV of Sewer Mains and Laterals	1	LS		
27	Storm Drain Abandonment and CLSM Fill	80	LF		
	TOTAL BASE BID (use figures)				

PIPING SCHEDULE											
Process Abbrev.	Service	Nominal Diameter (inches)	Material	Pressure Class Special Thickness Class Schedule Wall Thickness	Pipe Spec. Section	Joints/ Fittings	Test Pressure/ Method	Lining	Coating	Service Conditions	Comments
	Underground	4-12	PVC	SDR 18	15244	B&SP	15 feet/GR	None	None	Sewer	
	Underground	4-12	DIP	CL 350	15211	B&SP/ Restrained B&SP	15 feet/GR	CM	2 layers PEE	Sewer	Restrained Joints only required on sewer main at PVC TO DIP connection
	Underground	8-15	RCP	CL II	15221	B&SP	15 feet/GR	None	None	Storm Drain	
Abbreviations: 1. The following abbreviations used in the column of test method refer to the respective methods as specified in Section 15956. AM Air method GR Gravity method 2. Abbreviations to designate piping include the following: B&SP Bell and spigot CL Class CM Cement mortar DIP Ductile iron piping						MJ Mechanical Joint PEE Polyethylene encasement PVC Polyvinyl Chloride RCP Reinforced Concrete Pipe SDR Standard Dimension Ratio					

ADDENDUM NO. 1

August 10, 2015

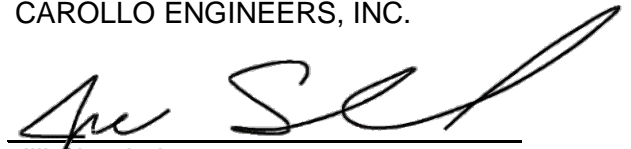
Page 8 of 9

This Addendum No. 1, pages 1 through 9, shall become part of the Contract and all provisions of the Contract shall apply thereto.

The time provided for completion of the Contract is not changed.

Bidders shall acknowledge receipt of all Addenda by number in the space provided in the Proposal.

CAROLLO ENGINEERS, INC.

A handwritten signature in black ink, appearing to read "Jill Shankel", written over a horizontal line.

Jill Shankel

PE NO. CE 54604

ADDENDUM NO. 1

August 10, 2015
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Appendix A

Insert of City of Sausalito Encroachment Permit No. EP EZ 15-XXX (7 pages attached).

- City of Belvedere
- City of Larkspur
- City of Mill Valley
- City of Novato
- City of San Rafael *
- City of Sausalito

- Town of Ross
- Town of Fairfax
- Town of Corte Madera
- Town of San Anselmo
- Town of Tiburon
- County of Marin

EP No: _____
A / B

UNIFIED APPLICATION FOR ENCROACHMENT PERMIT

APPLICATION DATE: _____ APN: _____ - _____ - _____

LOCATION OF WORK OR ENCROACHMENT: _____
No. Street City/Township

CROSS STREET: _____ ESTIMATED COST: \$ _____

STARTING DATE: _____ COMPLETION DATE: _____

PROPERTY OWNER'S NAME AND ADDRESS (If Different from Applicant): _____

THE UNDERSIGNED HEREBY APPLIES FOR PERMISSION TO PERFORM THE FOLLOWING DESCRIBED WORK AND/OR OTHERWISE ENCROACH ON A LOCAL AGENCY RIGHT-OF-WAY (ROW):

DESCRIPTION OF WORK OR ENCROACHMENT (Include plans or sketch):

Check all that apply to the project and provide a written description:

- Driveway Approach
- Sidewalk
- Accessible Ramp
- Debris Box
- Curb & Gutter
- Water Service
- New Utilities
- Special Event
- Sewer Improvement
- Excavation
- Landscaping
- Other (Describe)

Describe:

Road Surface Type: Asphalt Concrete Other: _____

Trenching Work: Yes No Linear Feet: _____ Surface Thickness: _____

Traffic Control Plan: Yes No

Applicant agrees that all work will be performed in accordance with the rules, regulations and standards of the Local Agency Department of Public Works and any Local Municipal Code. All work shall be subject to inspection and approval by the Department of Public Works. Applicant shall indemnify, defend and hold the Local Agency, its officers, agents and employees harmless from any and all claims, suits or liability, including, but not limited to, litigation costs and attorney's fees which the Local Agency may incur as the result of any and all claims and suits for personal injury, property damage or inverse condemnation by reason of applicants placement of/or maintenance of encroachments authorized by this permit. No work shall commence until permit is issued.

APPLICANT'S NAME / COMPANY (PLEASE PRINT): _____

CONTRACTOR'S NAME: _____ Contractor License No: _____

APPLICANT'S MAILING ADDRESS: _____

AGENCY: _____

CONTACT NUMBERS: _____
Daytime Phone Fax Email

APPLICANT'S SIGNATURE: _____

For Agency Use Only	Fees:
Accepted By: _____	Application: _____
Insurance on file? <input type="checkbox"/> Yes <input type="checkbox"/> No	Final Insp. Cleared: <input type="checkbox"/> Plan Review & Inspection: _____
Road Moratorium? <input type="checkbox"/> Yes <input type="checkbox"/> No	Receipt #: _____ Total: _____

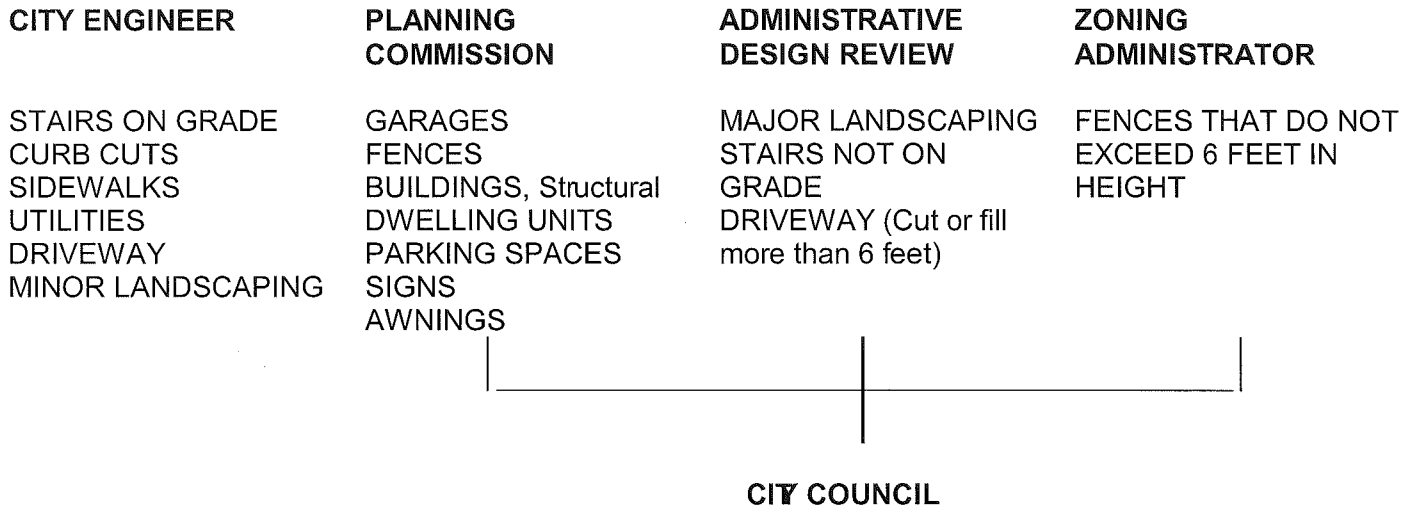
Encroachment Permit Conditions

- Construction Standard(s): _____
- General Conditions: _____
- Comprehensive General Liability insurance in amounts not less than \$1,000,000 combined single limit applying to bodily injury, personal injury and property damage are required.
- Additional Insured Endorsement: The local agency must be named as an additionally insured on a separate endorsement sheet that modifies the general liability policy.
- Contact local Police Department, Fire Department, and Parking Services prior to start of work. 415-499-7234
- The Contractor shall maintain local access and provide emergency vehicle access at all times.
- Compaction test is required and shall be submitted to local Public Works Department.
- Provide a traffic control plan per the Manual on Uniform Traffic Control Devices (MUTCD).
- Provide safe pedestrian and wheelchair access, per ADA and State requirements, during construction.
- All work shall be performed between the hours of 8AM and 6PM .
- Please contact _____ prior to start of work and for final inspection.
- Planning review required: YES / NO
- Special Conditions: See Attached

Encroachment Permit Approval

Approved By: _____	Date: _____
Inspected By: _____	Date: _____

ENCROACHMENT APPLICATION REVIEW PROCEDURES



ENCROACHMENT APPLICATION REVIEW GUIDELINES

1. **Compatibility:** Is the proposed encroachment compatible with the surrounding area?

Would the granting of the permit adversely affect the usability or enjoyment of adjoining parcels?

Would the encroachment create or extend an undesirable land use precedent?

Does the proposed encroachment conflict with the General Plan, adopted ordinance or any precise plan of the City of Sausalito?
2. **Need:** Is the extent of the proposed encroachment justifiable?
3. **Public Enjoyment:** Would the proposed encroachment significantly diminish public enjoyment, either visual or physical, of the open space to be encroached upon?

Is the assignment of open space to private use and enjoyment justifiable in terms of public interest?

Could the value of the proposed improvements prejudice a policy decision to terminate the encroachments?
4. **Circulation:** Would the proposed encroachment adversely affect existing rights-of-way and preclude or make difficult the establishment or improvement of existing or potential streets or pedestrian ways?

Would the proposed encroachment adversely affect the existing circulation of vehicles or pedestrians?
5. **Safety:** Would granting of the encroachment application create or constitute a hazard to public safety?

CITY OF SAUSALITO

STANDARD CONDITIONS FOR ENCROACHMENT PERMIT NO. _____

DESCRIPTION: Urgent Sewer Replacement Project

Condition Marked Apply to this Project

THIS ENCROACHMENT PERMIT IS GOOD FOR 6 MONTHS ONE YEAR 18 MONTHS AS NOTED ON THE
E.P. APPLICATION _____

1. This permit, or a complete copy, shall be kept at the work site at all times while work is being performed.
2. Notify Engineering Division staff at least 24 hours in advance of beginning work. Senior Engineer at (415) 289- 4180 ext. 111 and/or Sewer Systems Coordinator at (415) 289-4192.
3. Contractor is to comply with all requirement of Ordinance No. 1048 (Noise Ordinance) including limiting hours of work in residential areas between 8:00AM and 6 PM, Monday through Friday, between 9:00AM and 5:00PM, Saturdays, and between 9:00AM and 7:00PM, on City Holidays. No work is permitted on Sunday, except by owner occupant between 9:00AM and 7:00PM.
4. Permittee shall comply with all Federal State and local laws regulation and statutes applicable to the work being performed under this permit. This also includes compliance with the requirements and permit conditions of the State of California Division of Industrial Safety.
5. The Permittee shall repair or replace at the discretion of the City Engineer, any and all public facilities damaged as a result of Permittee's actions in connection with this permit, and shall guarantee repairs or replacements to all work done under this permit, as deemed necessary by the City Engineer for a period of one year after completion of said work.
6. All traffic control shall be performed in accordance with the requirements of the current edition of Caltrans publication, "California Manual on Uniform Traffic Devices, Part 6- Temporary Traffic Control" including all specified advance construction signs and channelization devices. Construction warning signs and channelization devices are to be sufficient to adequately inform and protect vehicles, bicycle and pedestrian traffic. Permittee shall have available a copy of the Manual for workers at the construction site at all times during the progress of the work.
7. Where excavations have been permitted in paved streets, Permittee shall place temporary informational signs at each end of the work in addition to those signs required by the "California Manual on Uniform Traffic Devices, Part 6- Temporary Traffic Control." Such informational signs shall be a minimum of 18 x 24 inches, clearly identify the owner of the facility for which the work is being done, and shall show a telephone number of the owner where the public may obtain information relative to the work being done.
8. Traffic shall be permitted to pass through the work area at all times unless otherwise permitted in writing by the City Engineer. Any street closures shall be approved in advance by the City Engineer.
9. If the City Engineer determines that public convenience or safety is being jeopardized by Permittee's actions or inactions, the City Engineer may order the condition remedied by either verbal or written communication to the Permittee. If Permittee fails to remedy the condition within eight hours of such notice, the City Engineer may, at his or her discretion, either remedy the condition or contract to remedy the condition, and the cost thereof, including administrative expenses shall be charged to the Permittee.
10. If any work is performed in the location of an existing pedestrian path of travel, the Contractor shall restore the path of travel compliant with all ADA accessibility standards.
11. Any pavement marking and/or legends which are damaged or removed shall be replaced in kind by the Contractor at his/her expense. The repainting of any street markings or legends shall be performed using City stencils:
12. Wherever new work crosses any existing utilities, the Contractor shall pothole the existing utilities and determine their actual depth so as to avoid hitting these facilities during excavation.
13. All AC or PCC to be removed is to be sawcut at the edges.
14. All new AC street trench resurfacing is to be placed in maximum lifts of 3 inches and the final surface is to be fog sealed (unless a sand or slurry seal is called for on the plans).

CITY OF SAUSALITO

STANDARD CONDITIONS FOR ENCROACHMENT PERMIT NO. _____

- 15. All sections of curb, gutter and sidewalk to be replaced, shall have 12 inch long dowels (#4 reinforcing bars) inserted 6" into the existing concrete. A minimum of 2 dowels shall be placed into the curb and gutter. A minimum of 2 dowels shall be placed into sidewalk. Sidewalk dowel spacing shall be 24 inches on center.
- 16. Portions of existing sidewalk or curb and gutter to be removed shall be removed to the nearest expansion joint or sawcut at an existing score mark. Sawcuts must be at least 1-1/2 inches deep.
- 17. Concrete curbs, gutters and sidewalk shall consist of five sacks of cement per cubic yard with 3/8" maximum aggregate. ~~Two pounds of lampblack shall be added per cubic yard.~~ Slump shall not exceed 4 inches.
- 18. Special care shall be taken to match the existing finish, color, texture and score joining during replacement of the sidewalk.
- 19. Curb, gutter and sidewalk surfaces shall be broom finished unless otherwise approved by the City Engineer.
- 20. New sidewalk thickness shall be 4 inches minimum and driveway thickness shall be 6" minimum.
- 21. All excavations shall be backfilled and paved either temporarily or permanently at the end of each work day or covered with steel traffic plates held securely in place.
- 22. All backfill placement shall be approved by the City Engineer prior to permanent pavement replacement.
- 23. Tree roots shall not be cut or in any way damaged by Permittee.
- 24. Trench backfill shall be either concrete slurry containing one sack of cement per cubic yard with ¾ inch Maximum aggregate size, or Class 2 Aggregate Base compacted to 95% relative compaction as determined by California Test Method No. 216. All other trench details shall conform with Uniform Standard Drawing No. 330, 340 and 350 except as modified herein.
- 25. Permittee shall bear the entire cost of restoring the street or other property of the City, to the satisfaction of the City Engineer.
- 26. Excavated materials, equipment, construction materials or other debris shall not be stored or stockpiled on public streets
- 27. The top six inches of subgrade shall be compacted to at least 95% relative Compaction in accordance with California Test Method No. 236 and shall be dampened before placing concrete.
- 28. Where unsuitable subgrade material is encountered, the City Engineer may require remedial work to be done, including, but not limited to, placing a layer of crushed rock under the concrete section.
- 29. Undercut subgrade for gutter or sidewalk shall be filled with Class 2 Aggregate Base.
- 30. Where trench excavation is longitudinal with the traffic lane and extends 100 feet or more, a 2" minimum thickness of asphalt concrete paving with pavement reinforcing fabric shall be placed across the entire width of the affected traffic lane upon completion of trench work. Existing surfacing shall be removed as necessary to maintain satisfactory cross slopes.
- 31. One-half inch thick expansion joints shall be placed on both sides of driveway approaches, curb and sidewalk return points and at 4 feet on center. Weakened plane joints in sidewalk shall be at least 1-1/2 inch deep and placed at 16 feet on center.
- 32. All work shall be performed in accordance with the codes and ordinances of the City of Sausalito and the Uniform Construction Standards, Specifications of the Cities of Marin and County of Marin.
- 33. The Contractor is to provide a Storm Water Pollution Prevention Plan to the City for review and approval. City Approval must be obtained prior to commencing any work.
- 34. Underground Service Alert (USA) shall be notified at tel. (800) 642-2444, no later than 48 hours prior to excavation near utilities.
- 35. No new utility boxes or poles will be permitted in the sidewalk area without the written approval of the City Engineer.

CITY OF SAUSALITO

STANDARD CONDITIONS FOR ENCROACHMENT PERMIT NO. _____

High Priority Subsurface Installations

- 36. Work shall not commence until meeting with City Inspector has occurred at the work site. Permittee shall arrange for Inspector Meeting no less than 24 hours before commencing.
- 37. Permittee shall submit evidence of Liability and Workers Comp Insurance of \$2,000, 000 Single Limit and \$5,000,000 total. Submit evidence of Automobile insurance of \$1,000,000 Single Limit, \$2,000, 000 total.
- 38. By signing permit application and proposing to perform work near high priority subsurface installations, permittee and owner agree to indemnify, defend and save City, its officers, officials, employees and agents harmless from and against any and all liability, claims, suits, actions, damages and/or causes of action of any kind arising out of any bodily injury, personal injury, property damage or in violation of any federal, state or municipal law or ordinance or other cause in connection with the activities of Contractor, its employees, agents, subcontractors or on account of the performance or character of the Work or otherwise related to its performance of this permitted work. Approval of any insurance coverage's does not, in any way, relieve Contractor of liability under this Indemnification and hold harmless clause.
- 39. Additional Conditions: _____

Rev. 05/23/2011

Urgent Sewer Replacement Project

DRAFT Encroachment Permit Special Conditions:

1. The encroachment permit issued is only applicable to the City of Sausalito right of way.
2. No non-storm water shall be discharged into the public storm water drainage system.
3. Streets shall be swept a minimum of once per day or more frequently as may be directed by the City.
4. At the end of each working day, there shall be no open excavations. Excavations shall be fully backfilled and have temporary asphalt concrete installed to match adjacent grade or be covered with secure, traffic rated, slip resistant trench plates. Temporary pavement shall be a minimum of 1-1/2 inches thick. Temporary pavement shall be maintained in a smooth and usable condition at all times by the contractor until final pavement restoration. Temporary trench plates in pedestrian paths of travel shall be permitted to extend vertically above the adjacent surface vertical and without edge treatment up to one-quarter inch. Changes in level between one-quarter inch and one-half inch maximum shall be beveled with a slope not steeper than one vertical to 2 horizontal. Temporary trench plates shall be maintained so as not to be a tripping hazard.
5. Prior to issuance of an Encroachment Permit, a Traffic Control Plan(s), Pedestrian Control Plan(s), and an Erosion/Sediment (Storm Water Pollution Prevention) Control Plan(s) shall be submitted for review and approval by City of Sausalito Engineering staff. The Traffic Control Plan(s) shall include but not be limited to the following:
 - a. Project shall not increase emergency response time and shall allow emergency vehicles to pass without delay.
 - b. Contractor shall provide an emergency contact phone number to County Dispatch. Emergency contact phone shall be monitored at all times while contractors' equipment is within City of Sausalito City Limits.
 - c. No parking signs shall be posted and County Dispatch notified, 415-499-7234, a minimum of 72 hours prior to their becoming effective for enforcement. No parking signs shall be obtained from the City of Sausalito Community Development Department.
 - d. Bicycle traffic shall be accommodated as part of the Traffic Control Plan.
 - e. Any proposed street closures shall be identified and shall at a minimum conform to Sausalito Municipal Code 17.04.120 Road closures for construction projects or any additional requirements as determined by the City Engineer at time of traffic control plan submittal.
6. Prior to issuance of an Encroachment Permit, construction staging plan and construction schedule shall be provided for review and approval by the City Engineer or designee. The locations of construction materials, equipment, vehicles, debris box, portable restrooms, etc. shall be depicted. Approved plans shall be submitted to property owners adjacent to the subject property not less than one week prior to commencement of construction activities.
7. The contractor shall save and protect existing monuments. Any damaged monuments shall be reestablished along with the filing of all required documents including but not limited to Corner Record with Marin County Department of Public Works.
8. City Sanitary Sewer Coordinator shall be notified immediately of any broken sanitary sewer facilities outside the scope of the Urgent Sewer Replacement Project.