



CONSTRUCTION WORK ORDER
P.O. Box 1550, Capitola, CA 95010 (831) 475-8500

		CWO No.: 13-119
		RWO No.:
Location of Work:	4330 Opal Cliffs 610 Townsend Dr 705 Riverview Dr	HIO No.:
		SIO No.:
Description of Work:	Installation of Three 1-in Fire Services	Date: January 14, 2013
		Work Started: / /
		Work / /
		Completed:

ESTIMATED COSTS

ITEM	UNIT	QUANTITY	UNIT PRICE	ITEM TOTALS
Installation of ±30 ft of PE tubing to a 1" Fire Service Assembly According to attached specifications at 610 Townsend Dr	LS	1		
Installation of ±22 ft of PE tubing to a 1" Fire Service Assembly According to attached specifications at Opal Cliffs Dr	LS	1		
Installation of ±25 ft of PE tubing to a 1" Fire Service Assembly According to attached specifications at Riverview Dr	LS	1		
TOTAL				

Company:	Signature:
Address:	
Phone:	Title:

RETURN QUOTES CLEARLY MARKED: **"FS Installations Various Locations"**

BID DATE: January 31st, 2013, 2:00 PM

RETURN QUOTES BY: January 31st, 2013 AT 2:00 PM IN A SEALED ENVELOPE TO 5180
SOQUEL DR., SOQUEL, CA 95073.

All work shall be in accordance with the Standard Specifications and Standard Plans of the Soquel Creek Water District and the Special Provisions below.



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SPECIAL PROVISIONS

1. General - All work to be performed under this Contract shall be in accordance with the current edition of the Standard Specifications and Standard Plans of the Soquel Creek Water District, the Project Plans and Special Provisions, and the Encroachment Permit conditions of the County of Santa Cruz.

District will secure the proper permits, including a Public Works Department Encroachment Permit. Prior to construction the Contractor shall review said permits. The Contractor is bound by said permits and shall comply with all requirements of permits. The District shall pay all fees associated with necessary permits for this project.

District may not accept the contract work until the Contractor has submitted a written statement (specifically referencing relative compaction and road surface restoration requirements) issued by the County of Santa Cruz, advising that the Contractor has complied with all County requirements and that the completed work is acceptable.

2. Contract Time of Completion - The Contract Time of Completion shall be **15** working days following the effective date of the Notice to Proceed. Failure to complete the project within this specified time period may result in liquidated damages per SCWD Standards and Specifications.

3. Insurance - The Contractor's attention is directed to the provisions of Section 103.09 "Insurance" of the Standard Specifications, a summary of which follows.

Coverage - Coverage for commercial general liability and automobile liability insurance shall be at least as broad as the following:

1. Insurance Services Office (ISO) Commercial General Liability Coverage (Occurrence Form CG 0001)
2. Insurance Services Office (ISO) Business Auto Coverage (Form CA 0001), covering Symbol 1 (any auto)

Limits - The Contractor shall maintain limits no less than the following:

1. General Liability - One million dollars (\$1,000,000) per occurrence for bodily injury, personal injury and property damage. If Commercial General Liability Insurance or other form with a general aggregate limit or products-completed operations aggregate limit is used, either the general aggregate limit shall apply separately to the project/location (with the ISO CG 2503, or ISO CG 2504, or insurer's equivalent endorsement provided to the Soquel Creek Water District) or the general aggregate limit and products-completed operations aggregate limit shall be twice the required occurrence limit.
2. Automobile Liability - One million dollars (\$1,000,000) for bodily injury and property damage each accident limit.



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Required Provisions - The general liability and automobile liability policies are to contain, or be endorsed to contain, the following provisions:

1. The Soquel Creek Water District, its directors, officers, employees, and authorized volunteers are to be given insured status (via ISO endorsement CG 2010, CG 2033, or insurer's equivalent for general liability coverage) as respects: liability arising out of activities performed by or on behalf of the Contractors; products and completed operations of the Contractor; premises owned, occupied or used by the Contractor; and automobiles owned, leased, hired or borrowed by the Contractor. The coverage shall contain no special limitations on the scope of protection afforded to the Soquel Creek Water District, its directors, officers, employees, or authorized volunteers.
2. For any claims related to this project, the Contractor's insurance shall be primary insurance as respects the Soquel Creek Water District, its directors, officers, employees, or authorized volunteers. Any insurance, self-insurance, or other coverage maintained by the Soquel Creek Water District, its directors, officers, employees, or authorized volunteers shall not contribute to it.
3. Any failure to comply with reporting or other provisions of the policies including breaches of warranties shall not affect coverage provided to the Soquel Creek Water District, its directors, officers, employees, or authorized volunteers.
4. The Contractor's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.
5. Each insurance policy required by this agreement shall state, or be endorsed to state, that the insurance carrier or the Contractor shall not cancel coverage, except after thirty (30) days (10 days for non-payment of premium) prior written notice by U.S. mail has been given to the Soquel Creek Water District.
6. Such liability insurance shall indemnify the Contractor and his/her sub-contractors against loss from liability imposed by law upon, or assumed under contract by, the Contractor or his/her sub-contractors for damages on account of such bodily injury (including death), property damage, personal injury, completed operations, and products liability.
7. The general liability policy shall cover bodily injury and property damage liability, owned and non-owned equipment, blanket contractual liability, completed operations liability, explosion, collapse, underground excavation, and removal of lateral support.
8. The automobile liability policy shall cover all owned, non-owned, and hired automobiles.
9. All of the insurance shall be provided on policy forms and through companies satisfactory to the Soquel Creek Water District.



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Deductibles and Self-Insured Retentions - Any deductible or self-insured retention must be declared to and approved by the Soquel Creek Water District. At the option of the Soquel Creek Water District, the insurer shall either reduce or eliminate such deductibles or self insured retentions.

Acceptability of Insurers - Insurance is to be placed with insurers having a current A.M. Best rating of no less than A-:VII or equivalent or as otherwise approved by the Soquel Creek Water District.

Workers' Compensation and Employer's Liability Insurance - The Contractor and all sub-contractors shall insure (or be a qualified self-insured) under the applicable laws relating to workers' compensation insurance, all of their employees working on or about the construction site, in accordance with the "Workers' Compensation and Insurance Act", Division IV of the Labor Code of the State of California and any Acts amendatory thereof. The Contractor shall provide employer's liability insurance with limits of no less than \$1,000,000 each accident, \$1,000,000 disease policy limit, and \$1,000,000 disease each employee.

Responsibility for Work - Until the completion and final acceptance by the Soquel Creek Water District of all the work under and implied by this agreement, the work shall be under the Contractor's responsible care and charge. The Contractor shall rebuild, repair, restore and make good all injuries, damages, re-erections, and repairs occasioned or rendered necessary by causes of any nature whatsoever.

The Contractor shall provide and maintain builder's risk insurance (or installation floater) covering all risks of direct physical loss, damage or destruction to the work in the amount specified in the General Conditions, to insure against such losses until final acceptance of the work by the Soquel Creek Water District. Such insurance shall insure at least against the perils of fire and extended coverage, theft, vandalism and malicious mischief, and collapse. The Soquel Creek Water District, its directors, officers, employees, and authorized volunteers shall be named insured on any such policy. The making of progress payments to the Contractor shall not be construed as creating an insurable interest by or for the Soquel Creek Water District or be construed as relieving the Contractor or his/her subcontractors of responsibility for loss from any direct physical loss, damage or destruction occurring prior to final acceptance of the work by the Soquel Creek Water District.

The Contractor shall waive all rights of subrogation against the Soquel Creek Water District, its directors, officers, employees, or authorized volunteers.

Evidences of Insurance - Prior to execution of the agreement, the Contractor shall file with the Soquel Creek Water District a certificate of insurance (Acord Form 25-S or equivalent) signed by the insurer's representative evidencing the coverage required by this agreement. Such evidence shall include an additional insured endorsement signed by the insurer's representative and evidence of waiver of rights of subrogation against the Soquel Creek



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Water District (if builder's risk insurance is applicable). Such evidence shall also include confirmation that coverage includes or has been modified to include Required Provisions 1-9.

The Contractor shall, upon demand of the Soquel Creek Water District, deliver to the Soquel Creek Water District such policy or policies of insurance and the receipts for payment of premiums thereon.

Continuation of Coverage - If any of the required coverages expire during the term of this agreement, the Contractor shall deliver the renewal certificate(s) including the general liability additional insured endorsement and evidence of waiver of rights of subrogation against the Soquel Creek Water District (if builder's risk insurance is applicable) to the Soquel Creek Water District at least ten (10) days prior to the expiration date.

Sub-Contractors - In the event that the Contractor employs other contractors (sub-contractors) as part of the work covered by this agreement, it shall be the Contractor's responsibility to require and confirm that each sub-contractor meets the minimum insurance requirements specified above.

- 4. Maintenance Bond** - The Contractor shall provide a maintenance bond in the amount of \$2,000.00 or 10 percent of the project bid price whichever is greater. Such maintenance bond shall be in full force and effect for a period of 2-years following acceptance of the improvements.
- 5. Wages** - The Contractor shall pay all workers those wages established in the current Prevailing Wage Rates, a copy of which is on file at the District Office. The Contractor shall file a certified payroll statement with the District monthly.
- 6. Bid Prices** - The Contractor shall guarantee the submitted bid prices for 60 days after the bid date.
- 7. Retention** - Five percent of all monies due the Contractor shall be retained by the District. Upon satisfactory completion of all work and District acceptance and following a period of 35-days, such retention will be released to the Contractor.
- 8. Existing Conditions** - Existing utilities, structures and natural features, where known, have been indicated at their approximate locations on the Contract Plans. The locations of such features are intended only as an aid to the Contractor and in no way relieves them of the responsibility of determining and verifying the size and locations of all potential conflicts which might be encountered in the performance of the work, whether indicated on the plans or not. The Contractor shall restore drainage patterns and facilities to pre-existing conditions



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- 9. County/City Requirements** - The District is in the process of securing a County/City Encroachment Permit. The Contractor shall review said permits prior to construction and shall comply with all requirements as stated in the permits. The Contractor shall comply with the General Provisions of the Encroachment Permit which are included in the appendices. The District shall pay all fees associated with necessary permits for this project.

The Contractor is advised that the County/City may not permit the closure of any County/City maintained road. All roads included in the project are subject to remaining open. The Contractor shall include all costs associated with maintaining roads open to traffic in the contract unit or lump sum prices for other items of work. The District will not consider any additional compensation.

- 10. Traffic Control** - The Contractor shall implement a traffic control plan in general conformance with the provisions of Standard Plan No. T12, "Traffic Control System for Lane Closure on Multilane Conventional Highways" and/or Standard Plan No. T13, "Traffic Control System for Lane Closure on Two Lane Conventional Highways" of the Cal-Trans Standard Plans. The Contractor shall provide flaggers that are trained in the proper fundamentals of flagging moving traffic as per CAL/OSHA Construction Safety Orders, Section 1599(f). The Contractor shall install informational warning signs and project signs on streets affected by the Hydrant/Fire Service installation and shall remain in place during the entire construction period. The Contractor shall post "No Parking" signs as required 72 hours prior to construction at 50' maximum spacing.

- 11. Dust Suppression** - The Contractor shall implement a dust suppression plan if requested by the District Engineer. If a mechanical broom sweeper is used, it shall be equipped with water nozzles to minimize dust. At the end of each workday, the Contractor shall clean construction debris from the roadway.

- 12. Protection of Property & Materials** - The Contractor shall protect the road surface and shall restore said surface to an equivalent or better condition upon completion of all work. The Contractor shall make any interim repairs or maintenance that may be requested by the District Engineer or Inspector during the course of work.

The Contractor shall permanently restore all traffic striping and pavement markings within seven days of final paving at the District's direction.

The Contractor shall protect in place or remove and replace all existing utilities and public or private improvements (whether they are specifically noted on the Contract Plans or not) including but not limited to all berms, curbs, gutters, walkways, sidewalks, driveways, trailways, storm drains, landscaping materials, landscape irrigation, landscape electrical systems, walls and fences in place. The Contractor shall correct or replace any damaged utilities or improvements as part of the contract work. No additional compensation will be considered.



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The Contractor shall not disturb existing survey monuments or benchmarks. The Contractor shall contact a registered civil engineer or land surveyor to remove or replace monuments. The Contractor shall ensure monument ties be established prior to removal.

The Contractor shall replace complete concrete panels or between existing concrete joints during replacement of any concrete work. The Contractor shall replace colored concrete with colored concrete to match when concrete is removed. The Contractor shall dowel into existing concrete (Section 308.03.05).

- 13. Safety Plan** - In carrying out the work, Contractor shall at all times exercise all necessary precautions for the safety of employees and public appropriate to the nature of the work and the conditions under which the work is to be performed, and be in compliance with all applicable federal, state and local statutory and regulatory requirements including California Department of Industrial Relations (Cal/OSHA) regulations; and the U.S. Department of Transportation Omnibus Transportation Employee Testing Act.

- 14. Utilities** - The Contractor shall contact Underground Service Alert and nonmember companies or utilities at least two (2) working days prior to excavating any segment of the work. The Contractor shall be prepared to produce USA ticket number at the request of the District.

The Contractor shall excavate, expose, and determine ("Pothole") the location and depth of each potential interference and at all proposed connections. The Contractor shall perform exploration in advance of construction operations such that the final location of the proposed improvements may be adjusted prior to construction. Changes or delays caused by the Contractor's failure to perform "Potholing" and interference location work shall not be eligible for extra work, compensation, or time extension.

The Contractor shall use appropriate fittings to adjust for depth conflicts between the proposed main with other existing utilities. In locations where the water main crosses over the existing sewer main, the Contractor shall ensure a minimum vertical clearance of one foot exists between pipes.

- 15. Trenching, Backfill, & Paving** - The Contractor shall perform trenching, backfill & paving in compliance with the SCWD Standard Plans S-14, S-15, & S-22, the current edition of the County of Santa Cruz Standards and Specifications, and the project specific County of Santa Cruz / City of Capitola Department of Public Works Encroachment Permit when work is performed within the county/city right-of- way.

Trenching - The Contractor shall perform pipeline excavations using open-cut trenches, unless otherwise shown on the Contract Plans or directed by the District. The Contractor shall bear full responsibility for safety related to his trenching operations in accordance with Section 104.07, "Public Safety" and Section 104.08, "Industrial Safety Orders" of the SqCWD Standard Specifications and Plans.



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The Contractor shall saw-cut the pavement to produce a straight vertical face. Jackhammers or wheel cutters will not be allowed. The Contractor shall cut concrete to the nearest score mark or expansion joint if trenching and/or installation of piping and appurtenances require removal of existing concrete.

Backfill - The Contractor shall backfill trenches at the end of each day. The Contractor may use heavy steel plates to cover trenches if the District Inspector has granted prior approval. The Contractor shall adequately brace the steel plates and apply cold mix at plate joints and edges (SCWD Section 309.05.05). The Contractor shall shim plate edges, if necessary, to prevent plates from rocking and shifting with vehicular traffic. The Contractor shall be responsible for providing plates capable of supporting vehicular traffic and with dimensions conforming to OSHA requirements. The minimum plate thickness is 1-inch and shall extend a minimum of 2-feet on each side of the trench or excavation.

The Contractor is advised that rock or unacceptable backfill material may be encountered during trenching operations. The Contractor shall furnish and install suitable bedding and backfill material in accordance with these contract documents when such material is encountered. The Contractor shall furnish and install bedding and backfill material at no additional expense to the District. Native material shall not be used for bedding or backfill.

The Contractor shall install a sand envelope around the pipe per SCWD Standard Plans S-14 and S-15. The envelope shall include a minimum 4-inches of sand bedding with 12-inches of sand cover compacted to 95% RC. The Contractor shall install bedding as stated in Section 309.05.03 "Bedding" of SCWD Standard Specifications. The Contractor shall compact backfill material to not less than 90% RC when the trench is located outside a paved area or a road right-of-way.

The Contractor shall install 1-sack sand/cement slurry over the 12-inch sand envelope while performing work on all lateral trenches or when specified on the Contract Plans. The Contractor shall install backfill material in accordance with the current version of the County of Santa Cruz Department of Public Works Cross Trench Detail, Figure EP-2.

The District shall administer all compaction testing. The Contractor shall assist the District during compaction testing at no additional expense to the District.

If additional compaction testing is required due to failing tests, the additional testing expense will be charged to the Contractor. A soils engineer shall prepare the compaction report.

Paving - The Contractor shall refer to Section 310, "Paving" of SCWD Specifications and shall also comply with the County of Santa Cruz / City of Capitola Department of Public Works Encroachment Permit. Pavement replacement shall be a minimum of 3" Type B asphalt concrete over 9" Class II aggregate backfill in longitudinal trenches and over sand/cement slurry backfill in cross trenches when work is performed within the County maintained right-of-way. Pavement replacement shall be a minimum of 3" Type B asphalt concrete over sand/cement slurry backfill when work is performed within the City maintained right-of-way.



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Longitudinal trench hot mix patch overlap shall be 12-inch minimum as indicated by the County of Santa Cruz Longitudinal Trench Backfill Detail, Figure EP-1 (Rev 12/05) included in the appendix of these special provisions. Cross trench hot mix patch overlap shall be 36-inch minimum as indicated by the County of Santa Cruz Cross trench Backfill Detail, Figure EP-2 (Rev 4/02) included in the appendix of these special provisions. Pavement replacement outside the county maintained right-of way shall be in accordance with Standard Plan S-15.

The Contractor shall restore cross trenches and longitudinal trenches in accordance with the County of Santa Cruz Department of Public Works Figures EP-1 and EP-2, attached herein and made part of these Special Provisions, when construction occurs on county maintained road right-of-ways.

The Contractor should refer to Figures EP-1 and EP-2 of the County of Santa Cruz Specifications for minimum pavement T-Section distances for paving within the county maintained right-of-way. When work is performed in the City of Capitola, Contractor shall restore pavement per S-20.

Seal Coat - The Contractor shall apply a sand seal in accordance with Section 312, "Seal Coat" of the Soquel Creek Water District Standard Specifications to all new paving. The Contractor shall apply sand seal MS-1 oil at the rate of 0.10 gallons per square yard followed by a covering of clean sand at a rate of 18 lbs per square yard. The sand seal shall extend beyond the outer most edges of repaved area.

Road Striping - The Contractor shall permanently restore all traffic striping and pavement markings destroyed or damaged during construction at the direction of the District. The Contractor should refer to "Protection of Property and Material" of these Special Provisions.

16. Distribution Piping & Appurtenances - The Contractor shall supply materials in accordance with the published Standard Specifications and Standard Plans of the Soquel Creek Water District and the American Water Works Association (AWWA).

The Contractor shall inspect pipe and accessories, prior to installation, for damage and defects in materials. The Contractor shall reject damaged and defective materials, mark as such, and remove items from the job site at no additional expense to the District.

The District shall operate existing valves and valves connected to the existing system for the Contractor. Under no circumstances shall the Contractor operate existing system valves.

The Contractor shall raise valve boxes, install extensions, and remove disinfection points to allow the District to activate the system.

Piping - All service lines less than 3-inches in diameter shall be constructed of virgin polyethylene material conforming with the provisions of AWWA C901 for Pressure Class 200 and Dimension Ratio (DR) 9.



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Fittings – All Connections to fittings shall include the use of stainless steel inserts to prevent the collapse of the tubing wall and pullout. Each fitting to tubing connection shall be of the pack joint or grip joint type with insert, gasket, packing joint nut, and grooved clamp with stainless steel clamp screw.

Corporation stops shall be red brass and meet the requirements of AWWA C800. Fittings shall be in accordance with SqCWD standard specifications section 302.02.02.

Locator Wire - The Contractor shall install a minimum of 12-gauge THW or THWN solid copper locating wire, continuous for the entire length of pipe laid. The Contractor shall secure the wire to the top of pipe by tape at intervals not greater than 12 feet. The Contractor shall install the locator wire in accordance with Section 301.05.06, “Locator Wire” of SCWD Standard Specifications.

Bitumastic Coating - The Contractor shall field coat all buried nuts, bolts, flanges, and other exposed ferrous metal with a liberal coat of Christy’s™ HD-50 Bituminous Coal Tar Coating or approved substitute subject to prior written approval by the District Engineer.

Restrained Pipe Minimum - The Contractor shall install, as a minimum, 40 LF of restrained pipe on each side of a restrained fitting or joint. Areas that require additional restrained piping will be shown on the Contract Documents or referenced in other sections of these Special Provisions.

17. Construction – Service lines shall be constructed in accordance to section 302.02.03 of SqCWD Standard Specifications and Plans, as well as in accordance with the attached S-28 standard.

18. Pressure Testing – The Contractor shall refer to Section, 301.05.07, “Hydrostatic Testing” of SCWD Standard Specifications, except that the allowable leakage will be calculated by the following formula: $L_a = \{LD\sqrt{P}\}/148,000$

where:

L_a = Allowable leakage

L = Length of the pipe run

D = Nominal diameter of the pipe in inches

P = Test pressure

The Contractor shall perform pressure testing in compliance with District requirements. The District Inspector shall be present during pressure testing. The Contractor shall notify the District two (2) days in advance of any pressure tests. Test pressure shall be a minimum of 150 psi or 150% of system pressure, whichever is greater, for the duration of 30 minutes unless otherwise directed by the District Inspector.

The Contractor shall perform all work necessary to locate and repair leaks to allowable levels as stated in Section 301.05.01(a), “Allowable Leakage” of SCWD Standard Specifications. Contractor shall perform repair work at no additional expense to the District. The Contractor



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shall also correct other defects discovered during such work. Thereafter, the Contractor shall repeat the pressure test until the pipelines meet specified requirements.

19. Appendix

County of Santa Cruz Department of Public Works "Cross Trench Detail", Figure EP-2, REV. 4/02.

County of Santa Cruz Department of Public Works Encroachment Permit "General Provisions."

1-Inch Fire Service Installation Standard S-28

Area map of new services

610 Townsend Dr Fire Service Installation

705 Riverview Dr Fire Service Installation

4330 Opal Cliff Dr Fire Service Installation

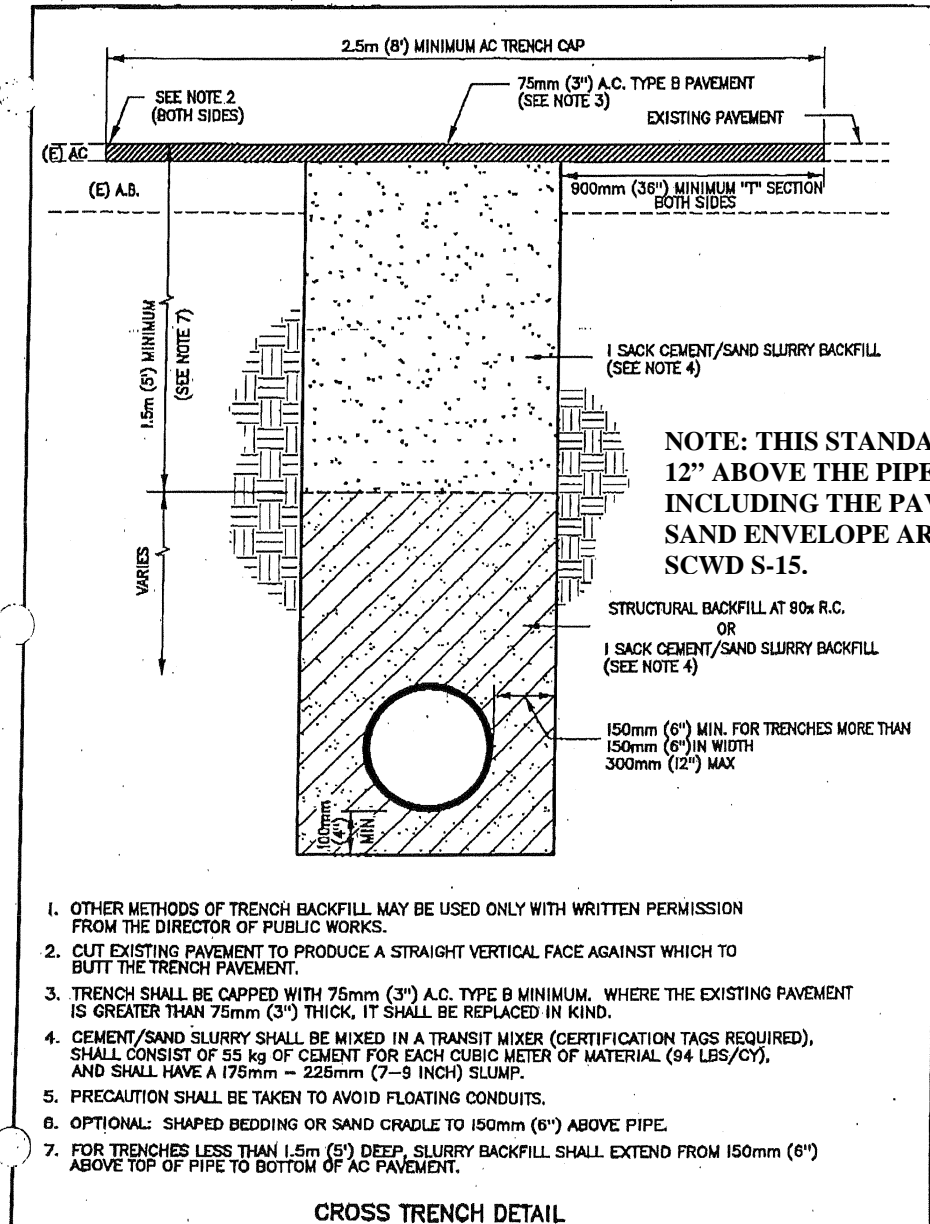
County of Santa Cruz Department of Public Works "Cross Trench Detail", Figure EP-2, REV. 4/02

AUG. -09' 06 (WED) 15:41

S. C. CO. PUBLIC WORKS

TEL: 831 454 2385

P. 003



1. OTHER METHODS OF TRENCH BACKFILL MAY BE USED ONLY WITH WRITTEN PERMISSION FROM THE DIRECTOR OF PUBLIC WORKS.
2. CUT EXISTING PAVEMENT TO PRODUCE A STRAIGHT VERTICAL FACE AGAINST WHICH TO BUTT THE TRENCH PAVEMENT.
3. TRENCH SHALL BE CAPPED WITH 75mm (3") A.C. TYPE B MINIMUM. WHERE THE EXISTING PAVEMENT IS GREATER THAN 75mm (3") THICK, IT SHALL BE REPLACED IN KIND.
4. CEMENT/SAND SLURRY SHALL BE MIXED IN A TRANSIT MIXER (CERTIFICATION TAGS REQUIRED), SHALL CONSIST OF 55 kg OF CEMENT FOR EACH CUBIC METER OF MATERIAL (94 LBS/CY), AND SHALL HAVE A 175mm - 225mm (7-9 INCH) SLUMP.
5. PRECAUTION SHALL BE TAKEN TO AVOID FLOATING CONDUITS.
6. OPTIONAL: SHAPED BEDDING OR SAND CRADLE TO 150mm (6") ABOVE PIPE.
7. FOR TRENCHES LESS THAN 1.5m (5') DEEP, SLURRY BACKFILL SHALL EXTEND FROM 150mm (6") ABOVE TOP OF PIPE TO BOTTOM OF AC PAVEMENT.

REV 4/02

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FIG. EP-2



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County of Santa Cruz department of Public Works Encroachment Permit "General Provisions"

GENERAL PROVISIONS

1. **Definition:** This permit is issued pursuant to Chapter 9.70 of the Santa Cruz County Streets and Roads Code. The term "encroachment" is used in this permit as defined in said chapter 9.70 of said Code, except as otherwise provided for public agencies and franchise holders. This permit is revokable on five days notice.
2. **Acceptance of Provisions:** It is understood and agreed by the permittee that the doing of any work under this permit shall constitute an acceptance of the provisions.
3. **No precedent established:** This permit is granted with the understanding that this action is not to be considered as establishing any precedent on the question of the expediency permitting certain kinds of encroachment to be reckoned within right of way of County highways.
4. **Notice prior to starting work:** Before starting work, the permittee shall notify the Director of Public Works or other designated employee. Such notice shall be given at least 48 hours in advance of the date work is to begin. Unless otherwise specified, all work shall be performed on weekdays and during normal working hours of the grantor's inspector.
5. **Keep permit on work:** The permit shall be kept at the site of the work and must be shown to any representative of the grantor or any law enforcement officer on demand.
6. **Permits from other agencies:** The party or parties to whom this permit is issued shall, whenever the same is required by law, secure the written order of consent of any work hereunder from the Public Utilities Commission of the State of California or any other public board having jurisdiction and this permit shall be suspended in operation until such order of consent is obtained.
7. **Protection of traffic:** Adequate provisions shall be made for the protection of the traveling public. Barricades shall be placed with amber lights at night; also, flagmen employed. All of this may be required by the grantor for the particular work in progress. Warning signs, lights, and devices shall be placed in conformance with the requirements of the State of California, Department of Public Works.
8. **Minimum interference with traffic:** All work shall be planned and carried out so that there will be the least possible inconvenience to the traveling public except for the specific work permitted. One lane shall remain open to the traveling public at all times. Road closures are not allowed, except with special permission from the Director of Public Works.
9. **Storage of material:** No material shall be stored within two feet of the edge of the pavement or traveled way or within the shoulder line where the shoulders are wider than five feet. No supplies or equipment shall be stored on the highway until permittee is ready to start work.
10. **Cleanup right of way:** Upon completion of the work, all brush, timber, scraps, and material shall be entirely removed and the right of way left in as presentable condition as before work started.
11. All construction shall conform with the current edition of the California Division of Highways standard plans and specifications, and the design criteria of the County of Santa Cruz. In case of conflict, the conditions of this permit will take precedence over the standard specifications.
12. Trench Safety has not been checked and is NOT IMPLIED with this permit. For current Codes and Regulations contact: CAL/Osha (408) 452-7288 and for utility locations contact: USA Underground Service Alert 1-800-227-2600.
13. **Future moving of installation:** It is understood by the permittee that whenever construction, reconstruction, or maintenance work on the highway may require, the install provided herein shall, upon request of the grantor, be rem or revised at the sole expense of the permittee within five of such notice.
14. **Liability for damages:** The permittee is responsible ar liable for personal injury or property damage which may a out of the work herein permitted or which may arise out of failure on permittee's part to perform his obligation under permit in respect to maintenance. If any claim for such inj or damage is made against the County of Santa Cruz or any department, officer, or employee thereof, permittee shall defend, indemnify, and hold them and each of them harmle from such claim.
15. **Care of drainage:** If the work herein contemplated shal interfere with established drainage, ample provision shall b made by the permittee to provide for it as may be directed t the grantor.
16. **Maintenance:** The permittee agrees by the acceptance c this permit to exercise reasonable care to maintain properly encroachments placed by it in the highway and to exercise reasonable care in inspecting for and immediately repairing making good any injury to any portion of the high way whic occurs as a result of the maintenance of the encroachment ir highway or as a result of the work done under this permit, including any and all injury to the highway which would no have occurred had such work not been done or such encroachment not placed therein.
17. **Test results:** Upon demand, the permittee shall provide Director of Public Works with the results of tests showing t the compaction requirements have been complied with. Compliance shall be certified by a materials testing laborato with local experience and said laboratory shall be acceptabl the Director of Public Works.
18. **Pavement replacement:** Any paved portion of County highway which is removed or damaged shall be replaced wi minimum replacement of 0.50 foot of Class II aggregate bas and 0.17 foot of Type B asphalt concrete. Where the existin structural section is greater than the replacement requiremen the structural section removed shall be replaced in kind. Pri to repaving the existing pavement shall be cut on a straight l to give a vertical face to pave against.
19. **Damages to roads:** Permittee agrees to repair in a mann satisfactory to the County of Santa Cruz any damages to the roads in the project area resulting from this work.
20. **Trimming or removing trees:** Trimming of trees will be permitted only in the manner authorized by permit. Trimm of trees required for overhead utility clearance may be performed without a permit. Attention is directed to the Tre Policy approved by the Board of Supervisors.
21. If the provisions of this permit are not complied with th County reserves the right to do any and all work necessary t bring the road into a safe condition. The costs of this work be charged to the permittee. The County will give reasonab notice of its intentions to make such repairs.