



Yucaipa Valley Water District

Request for Bid Proposals

Saw Cutting, Asphalt Repair/Replacement, and Paving

Proposal No. 20210323

**Response Due and Public Bid Opening
Thursday, April 15, 2021 at 2:00 p.m.**

Yucaipa Valley Water District
12770 Second Street
Yucaipa, California 92399

Yucaipa Valley Water District Bid Process Contact:

John Wrobel, Public Works Manager
jwrobel@yvwd.us – Phone (909) 790-7597

Yucaipa Valley Water District Contract Administrator and District Liaison:

John Wrobel, Public Works Manager
jwrobel@yvwd.us – Phone (909) 790-7597

Introduction

Yucaipa Valley Water District (the “District” or “YVWD”) is accepting bid proposals for asphalt repair at various locations. Your firm is invited to submit a proposal to perform this work.

The repair sites are located within the City of Yucaipa and the City of Calimesa. The address, location and approximate size of each site is listed in the proposal form. This is not a commitment to procure this work, but a request for bid proposals and the costs to complete the work. The District will make a determination to proceed based on the proposal pricing submitted.

Please review to the enclosed specifications and Proposal Form in the preparation and submittal of your proposal. The Proposal Form must be submitted as your proposal and it must be filled out completely.

All bidders are urged to visit the work sites to familiarize themselves with all existing conditions that may affect the work involved. All proposals shall take into consideration all such conditions as may affect the work under this contract. The submittal of a proposal automatically implies that this examination has been done and that the Contractor is completely familiar with the location, scope, nature, and character of the work and of the equipment and materials needed for it.

The final date for submitting a bid proposal is Thursday, April 15, 2021 at 2:00 pm to John Wrobel, 12770 Second Street, Yucaipa, California 92399.

Your bid proposal envelope must be sealed and clearly marked “**Asphalt R&M Bid 20210323**” (include Attachments A, B, and C).

The District reserves the right to accept or to reject any and all bids proposals, to waive any irregularities and to make an award that is determined by the District to be in the best interest of the Yucaipa Valley Water District.

- Instructions for Bid Proposals - Saw Cutting, Asphalt Repair/Replacement, and Paving

General Specifications

The below listed specifications are intended as general guidelines to be followed by the Contractor in preparing a bid proposal and during the ensuing project.

- Accessibility: The Contractor shall be fully aware of any peculiarities and limitations of the space(s) available for the performance of work under this contract. The Contractor shall exercise due and particular caution to determine that all parts of his work are made quickly and easily accessible.
- Authority of the Yucaipa Valley Water District: Subject to the power and authority of the

District, the District shall in all cases determine the quantity, quality, and acceptability of the work, materials and supplies for which payment is to be made under this contract. The District shall decide questions that may arise relative to the fulfillment of the contract or the obligations of the Contractor hereunder.

- City of Calimesa and City of Yucaipa Business License: The successful Contractor and any sub-Contractors are required to obtain a City of Yucaipa and/or City of Calimesa Business License prior to award of Contract and to maintain the license for the entire term of the Agreement. The Business License is not a prerequisite for submission of a bid. Inquiries regarding Business License may be answered by calling the City of Yucaipa (909) 797- 2489 or the City of Calimesa (909) 795-9801. Business Licenses are not required for materials or equipment shipped by U.S. mail or common carrier.
- City of Yucaipa and City of Calimesa Paving Standards: The successful Contractor will be required to comply with the latest paving standards available from the City of Calimesa and the City of Yucaipa. Copies of the most recent standards are included to this Request for Proposals as Attachment D.
- Changes in Work: The District may, at any time work is in progress, by written order make alterations in the terms of work as shown in the specifications, require the performance of extra work, decrease the quantity of work, or make such other changes as the District may find necessary or desirable. The Contractor shall not claim forfeiture of contract by reasons of such changes by the District. Changes in work and the amount of compensation to be paid to the Contractor for any extra work as so ordered shall be determined in accordance with the unit prices quoted.
- Clean-up: During performance and upon completion of work on the project, Contractor will remove all unused equipment and instruments of service, all excess or unsuitable material, trash, rubbish, and debris, and legally dispose of same, unless otherwise directed by these specifications. Contractor shall leave entire area in a neat, clean, and acceptable condition as approved by the District.
- Compliance With OSHA: Contractor agrees that all item(s) offered comply with all applicable Federal and State Occupational Safety and Health Act laws, standards and regulations, and that Bidder will indemnify and hold the District harmless for any failure to so conform.
- Prevailing Wage: Contractor is aware of the requirements of Chapter 1 (beginning at Section 1720 et seq.) of Part 7 of Division 2 of the California Labor Code, as well as Title 8, Section 16000 et seq. of the California Code of Regulations (“Prevailing Wage Laws”), which require the payment of prevailing wage rates and the performance of other requirements on “public works” and “maintenance” projects. If the services are being performed as part of an applicable “public works” or “maintenance” project, as defined by the Prevailing Wage Laws, and if the Total Compensation is \$1,000 or more, Contractor and its sub-Contractors shall fully comply with the Prevailing Wage Laws for their employees and any others to whom such laws are applicable. Contractor and its sub- Contractors shall also be responsible for any and all violations and fines imposed on them pursuant to the Prevailing Wage Laws. Pursuant to SB 854, which amended the Prevailing Wage Laws, this Agreement would also be subject to compliance monitoring and enforcement by the California Department of Industrial Relations

("DIR"). Beginning April 1, 2015, no Contractor or sub-Contractor may be awarded this Agreement unless registered with the DIR pursuant to Labor Code Section 1725.5.

- Contractor shall comply with Senate Bill 854 (signed into law on June 20, 2014) including, but not limited to, the following requirements: (1) no contractor or subcontractor may be listed on a bid proposal for a public works project unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5; (2) no contractor or subcontractor may be awarded a contract for public work or perform work on a public works project unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5; (3) this Project is subject to compliance monitoring and enforcement by the Department of Industrial Relations; (4) Contractor shall post job site notices regarding compliance monitoring and enforcement by the Department of Industrial Relations; and (5) Contractor must submit certified payroll at least monthly to the Labor.
- Under the Public Works Contractor Registration Law (California Senate Bill No. 854 - See Labor Code Section 1725.5), contractors must register with the California Department of Industrial Relations (DIR) using the online application and meet certain requirements before bidding on "public works" contracts in California. "Public works" refers to construction, alteration, demolition, installation, or repair work (including maintenance) done under contract and paid by public funds.
- The application that a contractor submits to the DIR also provides agencies which administer public works programs with a searchable database of qualified contractors. Application and renewal are completed online with a non-refundable fee.
- Contract Incorporation: This contract embodies the entire contract between the District and the Contractor. The parties shall not be bound by or be liable for any statement, representation, promise, inducement or understanding of any kind or nature not set forth herein. No changes, amendments, or modifications of any of the terms of the contract shall be valid unless submitted in writing and signed by both parties. The complete contract shall include the entire contents of the bid solicitation, all addendums, all of Bidder's successful submittal, supplemental agreements, change orders, performance bond(s), and any and all written agreements which alter, amend, or extend the contract.
- Coordination with Agencies: The Contractor shall coordinate activities with the proper regulatory agencies and have their representative on site as requested at the proper times.
- Damage: The Contractor shall be held responsible for any breakage, loss of the District's infrastructure or supplies through negligence of the Contractor or his employee while working for the District. The Contractor shall immediately report to the District any damages resulting from services performed under this contract. Failure or refusal to restore or replace such damaged property will be a breach of this contract.
- Permits: Contractor shall at its expense, obtain all permits and licenses and pay all

charges and fees necessary for the performance of the contract, and shall give all public notices necessary for the lawful performance of the contract.

- Taxes and Assessments: Contractor shall pay all taxes, levies, duties, and assessments of every nature due in connection with any work under the contract, shall make any and all payroll deductions required by law, and shall indemnify and hold harmless the District from any liability on account of any and all such taxes, levies, duties, assessments, and deductions.
- Addenda or Bulletins: No supplement, modification or amendment of this Agreement shall be binding unless executed in writing and signed by both Parties.
- Protection of Public: Adequate warning devices, barricades, guards, flagmen or other necessary precautions shall be taken by the Contractor to give advised and reasonable protection, safety and warning to persons and vehicular traffic concerned in the area. All traffic control will comply with the American Public Works Association Work Area Traffic Control Handbook, all City of Yucaipa, and City of Calimesa standards.
- Rejection of Work: Contractor agrees that the District has the sole right and discretion to make all final determinations as to whether the work has been satisfactorily completed.
- Unknown Obstructions: Should any unknown obstruction be encountered during the course of this contract the Contractor immediately bring it to the attention of the District. The Contractor shall be responsible for the protection of all existing equipment and utilities encountered within the work area.

General Information/Requirements

- A. Receiving Office: Sealed bid proposals will be accepted until Thursday, April 15, 2020 at 2:00 pm by John Wrobel, Public Works Department, 12770 Second Street, Yucaipa, California 92399. Bid proposal envelopes must be sealed and clearly marked "**Asphalt R&M Bid 20210323**" (include Attachments A, B, and C). Late proposals will not be accepted. Facsimile responses will not be accepted. If the proposal is sent by overnight carrier, proposal is to be within a sealed envelope inside the overnight letter pack.
- B. Rejection of Proposals: YVWD reserves the right to accept or reject any or all proposals received as a result of this request. YVWD shall not be obligated to award a contract solely on the basis of any response made to this Request for Proposal, nor does YVWD intend to, nor will it be obligated to pay for the information solicited or obtained.
- C. Incurred Contractor Costs: YVWD will not be liable for any costs incurred by Contractors or other respondents to this Request for Bid Proposals, prior to issuance of an agreement, contract, or other similar acquisition documents.
- D. Qualification: The selected Contractor shall have a proven record of performing work of a similar nature to the project described herein. This record shall be for a minimum of five (5) years. The Contractor may be required to submit the names of five (5) references and include the name of the entity, contact person, telephone number and

- a brief description. Include an outline describing company's profile and ability to perform the work.
- E. Other Provisions: The Contractor shall list any other criteria or requirements to delineate responsibility for any additional items/tasks to be completed by either YVWD or Contractor. These shall be in addition to those previously detailed or explained in this Request for Proposals.
- F. Contract Terms: If awarded the Contract, the undersigned agrees to start work on this project within ten (10) working days or as otherwise directed by the District Liaison (or designee) in accordance with these specifications and agrees to continue performing the maintenance and repair work until completed, unless contract extensions are provided in writing and approved mutually by the Yucaipa Valley Water District and Contractor.
- G. Cancellation: Neither party upon award of contract except for non-performance on the part of the Contractor or issues of non-payment on the part of YVWD may cancel the contract.
- H. Law, Rules and Regulations: The work shall comply with all federal, state, and local codes, rules and regulations including all ordinances and other statutory provisions pertaining to this class of work. Such Rules, Codes, Regulations and Ordinances shall be considered a part of these specifications. Any conflict between the Request for Bid Proposal requirements and the aforementioned rules shall be noted by the Contractor at the time the proposal response is submitted. Any permits required for the work shall be obtained and paid for by the Contractor.
- I. Prime Contractor Responsibilities: The selected Contractor will be required to assume full responsibility for all services offered in his proposal. Further, YVWD will consider the selected Contractor to be the sole point of contact with regard to contractual matters, including payment of any and all charges resulting from the contract. The Contractor shall be responsible for the coordination and supervision of all sub-Contractors and trades employed in this contract. The Contractor shall list the names of all sub-Contractors to be employed under this contract.
- J. Insurance: The Contractor shall indemnify and hold harmless Yucaipa Valley Water District and all his officers, agents and employees' representatives all suits, actions, or claims of any character, name and description brought for or on account of any injuries or damages received or sustained by any person, persons, or property by or from the said Contractors or their employees or by or in consequence of any neglect in safeguarding the work or through the use of unacceptable materials in the work or by or on account of any act or omission, neglect, or misconduct of the said Contractor.

Contractor, at their expense, must maintain during the term of any subsequent contract the following insurance:

- Broad form General Liability Insurance (occurrence basis only) with minimum limits of \$1 million dollars per occurrence and \$1 million dollars aggregate.
- Workers' Compensation and Employer's Liability Insurance, California statutory limits of liability.
- Each Contractor shall take out and maintain during the life of this contract

- Workmen's Compensation Insurance for all employees employed at the site of the project and, in case any of the work is sublet, the Contractor shall require the sub-Contractor to provide such insurance. Proof of compliance with the Workmen's Compensation Laws and Social Security Laws shall be filed with and kept in full force and effect on file with the County at all times, until all the work on the project provided to be done under this contract has been fully and finally completed. This shall be an absolute responsibility and duty of the Contractor, who agrees to indemnify and save harmless the County from any contributions or taxes or liability thereof.
- Comprehensive Automobile Liability (including hired and non-owned vehicles) with California no-fault coverage, with minimum limits for bodily injury of \$500,000 each person and \$1 million dollars each accident and with minimum limits for property damage of \$500,000 each accident.

Insurance policies must name the Contractor as the insured, along with Yucaipa Valley Water District as additional insured, and must not be canceled or materially changed without at least 30 days prior notice from the Contractor to Yucaipa Valley Water District. The Contractor must submit certificates evidencing the insurance to Yucaipa Valley Water District at the time the Contractor executes the contract, and at least 15 days prior to the expiration dates of expiring policies.

Certificates of Insurance acceptable to Yucaipa Valley Water District shall be filed with Yucaipa Valley Water District prior to commencement of the work. The Contractor agrees that its insurance carriers waive subrogation against Yucaipa Valley Water District, its agents, or employees with respect to any loss covered by the Contractor's insurance.

- K. Workmanship: All tradesmen shall be thoroughly experienced in the particular work upon which employed, and the work and finished product shall be of a first-class quality. Employees of the Contractor shall perform work that conforms to standard, state of the art practices for this class and type of work. Once the project installation begins by execution of a purchase document all work by the Contractor shall be completed in the most expedient manner possible.

The Contractor assumes full responsibility to carefully examine the work requirements before submitting a proposal. All proposals shall take into consideration all such conditions as may affect the work under this contract. The Contractor shall verify all conditions, locations, and character of the work. The submission of a proposal automatically implies that the Contractor is thoroughly familiar with the work to be performed and YVWD requirements and expectations. No claims for extra compensation may be made after submittal of a proposal and acceptance by YVWD of the proposal.

- L. Owner's Representative: The Contractor shall allow at any time during the contract the access of YVWD Representative to view, inspect or otherwise observe the work in progress. The only exception to this is when safety of the representative would be at issue.

Yucaipa Valley Water District representative/liaison for this contract (provided on the title page of this Request for Proposals) will coordinate with other Yucaipa Valley Water District employees for the inspection and coordination of the work. Any approvals,

questions, demands etc. from the Contractor shall be forwarded to this person for direction to the contract. No other Yucaipa Valley Water District Representative shall bind Yucaipa Valley Water District to additional costs or make any changes to the Project Scope.

- M. Freedom of Information Act: Information submitted in Contractor proposals becomes public information and as such is subject to public disclosure and review under the California Freedom of Information Act. Information contained in the Contractor's proposal which is company confidential must be clearly identified in the proposal itself.
- N. Workforce Performance: Landscape Maintenance Contractor shall have a valid contractor license.
- All workers shall be under the supervision of an experienced supervisor.
 - Contractor shall repair or replace at his own expense any damage to property caused by any act or omission of the Contractor, employees, or agents.
- O. Bid/Price Forms: Bidder shall complete the Bid / Price Form in its entirety including:
- All items listed and total price;
 - All additional costs associated with performance of specifications; and
 - Bidder's identification information including a binding signature.

Bidder shall state cash discounts offered that may be taken at the sole discretion of the District. Unless discount payment terms are offered, payment terms shall be "Net 30 Days". Payment due dates, including discount period, will be computed from date of District's acceptance of the equipment or materials or of a correct and complete invoice, whichever is later, to the date District's check is mailed. Any discounts taken will be taken on full amount of invoice, unless other charges are itemized, and discount thereon is disallowed.

Amount Written in Words. This bid will be awarded based upon the total amount bid as written in words. Where there is a discrepancy between words and figures, WORDS WILL GOVERN. Where there is a discrepancy between item unit price and extended total, UNIT PRICE WILL GOVERN.

Please check your calculations before submitting your bid; Yucaipa Valley Water District will not be responsible for Bidder Miscalculations.

- Technical Specifications -

Scope of Work

The Contractor shall provide Paving & Asphalt Maintenance services for the District on a "contract" basis.

Paving & Asphalt Repair and Replacement Services:

- Comply with City of Calimesa and City of Yucaipa paving standards as provided in Attachment D.

- Removal of temporary asphalt and existing asphalt as maybe needed.
- Installation of hot patch (4 inches thick). Thicker installation of asphalt will be indicated on Attachment C. Asphalt base on patches over 6 inches thick will require a $\frac{3}{4}$ inch base mix with a $\frac{1}{2}$ inch mix cap.
- Saw cut and cleanup.
- Asphalt grinding 1/10 foot and overlay.
- Adjust existing manhole per District Standards.
- Subsidence subsurface repair per District standards.
- Contractor shall remove and legally dispose of all residues from maintenance service.
- Contractor shall begin repairs within one week of notification to proceed and four weeks to complete all repairs, or as approved in writing by the District Representative in advance of the contract expiration and any extension thereof.

Bid / Price Forms

Bidder shall complete the Bid / Price Form in its entirety including: 1) all items listed and total price; 2) all additional costs associated with performance of specifications; and 3) Bidder's identification information including a binding signature.

Bidder shall state cash discounts offered that may be taken at the sole discretion of the District. Unless discount payment terms are offered, payment terms shall be "Net 30 Days". Payment due dates, including discount period, will be computed from date of District's acceptance of the equipment or materials or of a correct and complete invoice, whichever is later, to the date District's check is mailed. Any discounts taken will be taken on full amount of invoice, unless other charges are itemized, and discount thereon is disallowed.

Amount Written in Words. This bid will be awarded based upon the total amount bid as written in words. Where there is a discrepancy between words and figures, WORDS WILL GOVERN. Where there is a discrepancy between item unit price and extended total, UNIT PRICE WILL GOVERN.

Please check your calculations before submitting your bid; YVWD will not be responsible for Bidder Miscalculations.

- Attachment A -

We the undersigned propose to provide the Yucaipa Valley Water District with all labor, material, equipment, supervision and any other required service or cost to provide the asphalt repair and maintenance as outlined in the request for bid proposal (see Attachment A)

Grand Total for Bid No. 20210323: \$ _____

Written in words: _____

Proposed Work Schedule: _____

Submitted by (Print Name): _____

Signature: _____

Company: _____

Address: _____

City: _____

State: _____

Telephone: _____

Facsimile: _____

E-mail: _____

Date: _____

California State Contractors License Number: _____

- Attachment B -

Non-Collusion Statement & Signature

The undersigned affirms that he/she is duly authorized to execute this contract, that this company, corporation, firm, partnership, or individual has not prepared this proposal in collusion with any other offer, and that the contents of this proposal as to prices, terms or conditions of said proposal have not been communicated by the undersigned nor by any employee or agent to any other person engaged in this type of business or any individual affiliated with the Yucaipa Valley Water District, prior to the official opening of this proposal. Failure to observe this procedure may be cause for rejection of this proposal.

I have read, and I understand the standard terms and conditions and I will fully execute them if I am awarded this proposal. I fully understand the proposal specifications.

Company: _____

Address: _____

City: _____ State: _____ Zip Code: _____

Telephone: (____) _____

Fax: (____) _____

E-Mail: _____

Signature: _____

Printed Name: _____

Title: _____

Date: _____

Yucaipa Valley Water District

- Attachment C -

Request for Proposals - Bid Number 20210323
Tuesday, March 23, 2021

Task Number	Location	Saw Cut per City Specifications		Grind per City Specifications		Total Asphalt		Total Cost (\$)
		Perimeter Linear Feet	Cost (\$)	Area Linear Feet	Cost (\$)	Area Square Feet	Cost (\$)	
Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8	Column 4 + Column 6 + Column 8
City of Yucaipa								
91075	Panorama Dr / Date Ave	26 l/f		26 l/f		510 s/f		
91075	Date Ave / Panorama Dr <small>The project will consist of paving the road. The area of paving is approximately 13,200 square feet. The existing paving will be pulverized in place and re-compacted as the subgrade for the new road. The new paving will be 4" thick. There are two valves and one manhole that will need to be adjusted. Access to the residents must be maintained during construction.</small>	N/A	Not Applicable	N/A	Not Applicable	13,220		
City of Calimesa								
89784	37200 Selracco Dr / Vagio Dr	58 l/f		N/A	Not Applicable	416 s/f		
89785	37201 Selracco Dr / Vagio Dr	N/A	Not Applicable	N/A	Not Applicable	32 l/f Berm		
92350	37060 Valgio Dr. / Selrocco Dr.	N/A	Not Applicable	N/A	Not Applicable	120 l/f Berm		
92350	37060 Valgio Dr. / Selrocco Dr. R&R asphalt	56 l/f		N/A	Not Applicable	1680 s/f		

Total Bid Amount =

* If a cross-section depth is not provided, the asphalt cross-section will typically be four (4) inches or less.

- Attachment D -



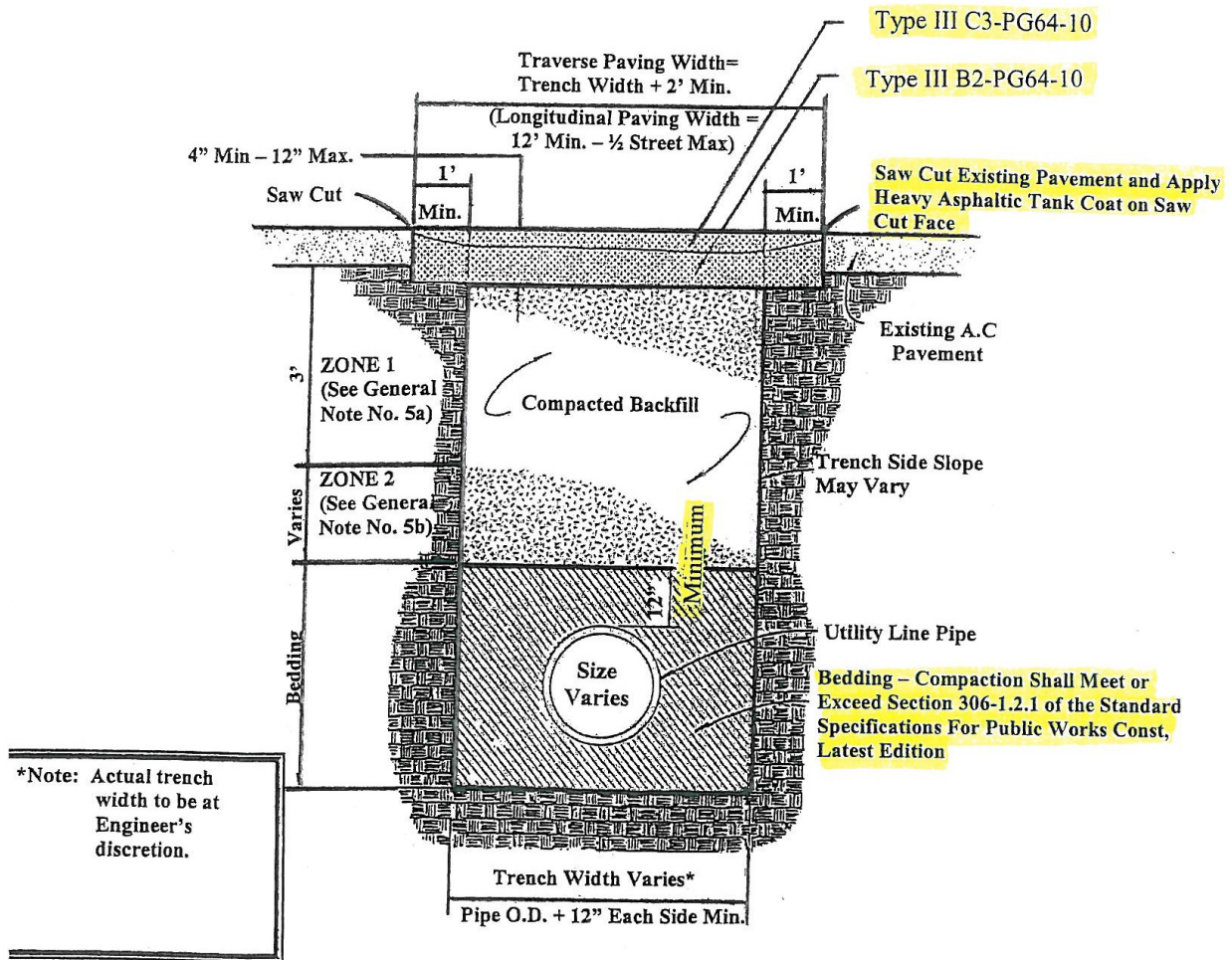
**City of Calimesa
Public Works Department**

TRENCH AND EXCAVATION REPAIR

1. All excavation within the City of Calimesa right-of-way requires an excavation permit from the Public Works Department.
2. Underground Service Alert shall be notified two (2) working day's prior to start of work at (800-422-4133).
3. All excavations shall be made, protected, and supported as required for safety and in the manner set forth in the operations, rules, orders, and regulations prescribed by the California Division of Industrial Safety.
4. Compaction of back fill shall be verified by a geotechnical engineer (compaction report) for the contractor and approved by City Engineer prior to the placing of permanent pavement. Any trench or street excavating in excess of three feet (3') requires a compaction report.
5.
 - a) Backfill in Zone 1 shall consist of Class II Crushed Aggregate Base compacted to 95% of relative compaction, in maximum lifts of 6", and certified.
 - b) Backfill in Zone 2 shall consist of Class II Crushed Aggregate Base compacted to 90% of relative compaction, in maximum lifts of 12", and certified.
 - c) Bedding shall be per plan and specifications, and shall only extend 12" above the top of pipeline or conduit.
 - d) No jetting or flooding of backfill material will be allowed.
6. A minimum 2-inch thickness of temporary asphalt paving shall be placed within the trench area by the end of each workday, until permanent repair is completed. The temporary paving shall be placed and compacted in such a manner as to provide a safe and smooth traveled surface, flush with the surrounding pavement. Permittee shall maintain the temporary pavement in a safe and smooth condition until permanent paving is in place. Temporary steel plates may be installed with the approval of the Public Works Inspector.
7. Prior to placement of permanent paving, existing pavement shall be cut to a neat straight line. Cracked pavement adjacent to the trench shall be removed.
8. All **stable** edges of existing pavement being joined and surface being overlaid shall receive a tack coat of asphalt emulsion.
9. Trenches of 300-feet or more, or at the discretion of the Public Works Inspector, shall be paved with a self-propelled paving machine.

10. Any Street paved or resurfaced in the previous (5) years where the trench extends from the curb more than 7-feet or is in a traveled lane, will require a two-inch overlay 6-feet in both directions from the centerline of trench. Per number 9 above. (5) year or newer shall require directional boring.
11. If trench failure should occur during the bonded period, the permittee/developer will be notified of such deficiencies and allowed to remove, replace, or remedy his work. Upon failure of the contractor to promptly comply and under order of the City Engineer, trench failures shall be remedied, removed, replaced by the City at permittee/developer sole expense.
12. Finish overlay to be placed no later than 15 days after base paving. Apply tack and leveling course to bring within 0.10' of existing grade.
13. The entire traveled lane, 12-foot min., shall be overlaid with .10-foot minimum Type III C3-PG64-10 A.C. using a self propelled paving machine Barber Green, Blau Knox or equal.
14. All open pits or trenches require recessed traffic plates.
15. The contractor shall provide a minimum 12" lap of steel plate on each side of trench to assure no slipping of plate or collapsing of trench wall. Where 12" lap cannot be met, engineering design is required and shall be approved by the City Engineer.
16. All affected striping and legends shall be replaced with high intensity paint and thermo plastic
17. Steel plate must fit snug within the recessed area and installed to operate with minimum noise.
18. Multiple plates must be tack welded as needed to secure plates, 6" minimum.
19. Steel plates must be removed and permanent pavement shall be placed within 15 working days or as approved by the City Engineer.

Trench Repair



The City of Yucaipa has established the following specifications and construction practices which shall be incorporated into all public and private street construction projects within and associated within the jurisdictional limits of the City of Yucaipa.

The City of Yucaipa has established the following specification requirements for Asphaltic Concrete Pavement:

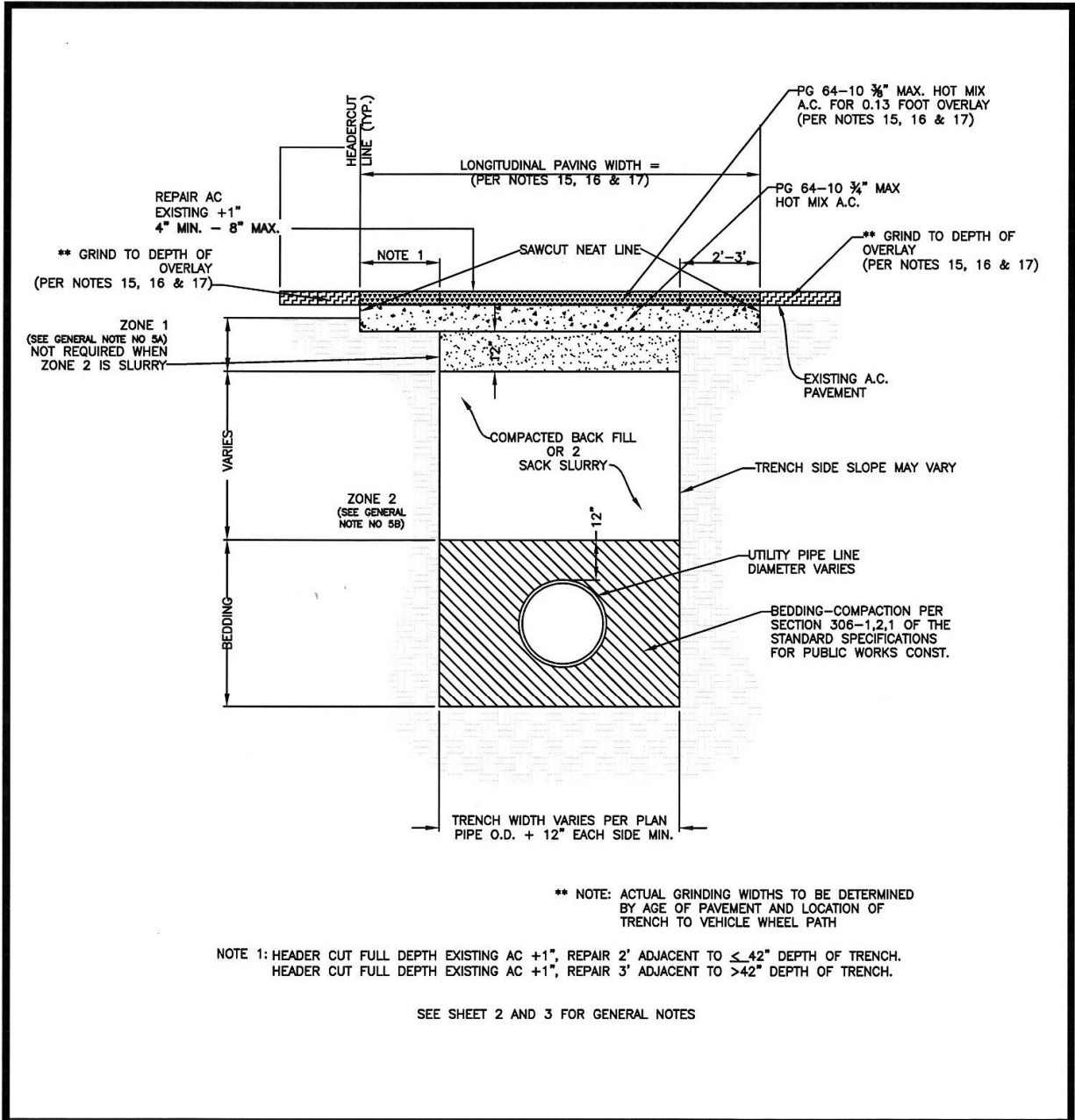
1. American Public Works Association "Greenbook" (current edition), Sections 203 and 302-5 shall apply.
- △ 2. The final cap shall be a minimum of 0.10' using Class D2 mix (3/8-inch max.) (Greenbook Section 203-6.3) or Cal-Trans 3/8" max medium or 0.12' using Class C2 mix (1/2-inch max.) or Cal-Trans 1/2" max medium.
- △ 3. The base course shall consist of Class B mix (3/4-inch mix) (Greenbook Section 203-6.3) or Cal-Trans 3/4" max medium.
- △ 4. The paving asphalt shall have a viscosity grade of PG-64-10 (Greenbook Section 203-1) or PG-70-10 as approved by the City Engineer.
5. All testing shall be in accordance with the Greenbook requirements including but not limited to density testing and other required test reports and certification documents.
6. All AC pavement placement shall be accomplished using a Barber Greene, or equivalent, self-propelled spreading and finishing machine.
7. A 1/4-inch minimum (3/8" maximum) lip shall be placed adjacent to concrete gutters in accordance with San Bernardino County Standard Plan 115.

The following practices shall be implemented for all Asphaltic Concrete Pavement construction:

1. All placement of asphaltic concrete pavement in public and private streets shall be accomplished in a minimum of two separate lifts as specified in the "Greenbook".
- △ 2. A finished course of 0.10' of Class D2 mix (3/8 inch – maximum) or 0.12' of Class C2 mix (1/2 inch – maximum) or Cal-Trans 1/2" max medium, PG-64-10 or PG-70-10 shall be placed over a Base Course consisting of Class B mix – (3/4 inch maximum) or Cal-Trans 3/4" max medium, PG-64-10 or PG-70-10. Greenbook Standard Specifications shall apply for Asphaltic Pavement materials and placement.
3. A Barber Greene or an equivalent self propelled spreading and finishing machine shall be used to place the AC pavement.
4. All testing for AC pavement shall be accomplished including density testing unless otherwise agreed to by the City Engineer.

AC PAVEMENT SPECIFICATIONS

Revisions		CITY OF YUCAIPA, CALIFORNIA	
Mark Date	Descriptions	Department of Public Works	Engineering Division
1. 5/8/06	Changed AC mix and materials.	Recommended: <u><i>M. Monson</i></u>	Date: <u>7/8/08</u>
Drawn By: H&F, Inc.		Approved: <u><i>Richard L. Casey</i></u> City Engineer	Date: <u>7/8/08</u>
			STANDARD DRAWINGS 105-11



MAIN LINE TRENCH REPAIR DETAIL

CITY OF YUCAIPA, CALIFORNIA		
Department of Public Works		Engineering Division
Recommended: <u><i>Kath Pini Janis</i></u>	Date: <u>3/09/15</u>	STANDARD DRAWINGS 106-3 Page 1 OF 5
Approved: <u><i>Fred</i></u> City Engineer	Date: <u>3/9/15</u>	

GENERAL NOTES:

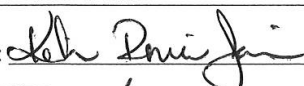

1. ALL EXCAVATION WITHIN THE CITY OF YUCAIPA RIGHT-OF-WAY REQUIRES AN ENCROACHMENT PERMIT FROM THE ENGINEERING DEPARTMENT.
2. UNDERGROUND SERVICE ALERT SHALL BE NOTIFIED 2 WORKING DAYS PRIOR TO START OF WORK 1-800-422-4133.
3. ALL EXCAVATIONS SHALL BE MADE, PROTECTED, AND SUPPORTED AS REQUIRED FOR SAFETY AND IN THE MANNER SET FORTH IN THE OPERATIONS RULES, ORDERS, AND REGULATIONS PRESCRIBED BY THE CALIFORNIA DIVISION OF INDUSTRIAL SAFETY.
4. COMPACTION OF BACKFILL SHALL BE VERIFIED BY A GEOTECHNICAL ENGINEER FOR THE CONTRACTOR AND APPROVED BY CITY ENGINEER PRIOR TO THE PLACING OF PERMANENT PAVEMENT.
5. A) BACKFILL ZONE 1 SHALL CONSIST OF CLASS II CRUSHED AGGREGATE BASE COMPACTED TO 95% OF RELATIVE COMPACTION, IN MAXIMUM LIFTS OF 6", AND CERTIFIED.
 B) BACKFILL IN ZONE 2 SHALL CONSIST OF CLASS II CRUSHED AGGREGATE BASE COMPACTED TO 90% OF RELATIVE COMPACTION, IN MAXIMUM LIFTS OF 12", AND CERTIFIED. IN SOME CASES NATIVE MATERIAL MAY BE ACCEPTABLE IF APPROVED BY THE CITY ENGINEER AND THE NATIVE MATERIAL MEETS "GREENBOOK" SPECIFICATIONS FOR TRENCH BACKFILL. BACKFILL IN ZONE 2 FOR WORK WITHIN ARTERIAL STREETS SHALL BE 2 TO 2.5 SACK SLURRY MIX.
 C) BEDDING SHALL BE PER PLANS AND SPECIFICATIONS, AND SHALL ONLY EXTEND 12" ABOVE THE TOP OF THE PIPELINE OR CONDUIT
 D) NO JETTING OF FLOODING OF BACKFILL MATERIAL WILL BE ALLOWED.
6. A MINIMUM 2-INCH THICKNESS OF TEMPORARY ASPHALT PAVING SHALL BE PLACED WITHIN THE TRENCH AREA IMMEDIATELY, UNTIL PERMANENT REPAIR IS COMPLETED. THE TEMPORARY PAVING SHALL BE PLACED AND COMPACTED IN SUCH A MANNER AS TO PROVIDE A SAFE AND SMOOTH TRAVELED SURFACE, FLUSH WITH THE SURROUNDING PAVEMENT. PERMITTEE SHALL MAINTAIN THE TEMPORARY PAVEMENT IN A SAFE AND SMOOTH CONDITION UNTIL PERMANENT PAVING IS IN PLACE.
7. PRIOR TO PLACEMENT OF PERMANENT PAVING, EXISTING PAVEMENT SHALL BE GROUND TO THE APPROPRIATE HEADER CUT WIDTH PER NOTES 15, 16 & 17. PAVEMENT CRACKED ADJACENT TO THE TRENCH SHALL BE REMOVED.

MAIN LINE TRENCH REPAIR DETAIL

CITY OF YUCAIPA, CALIFORNIA	
Department of Public Works	Engineering Division
Recommended: <u><i>Kate Marie Jimis</i></u> Date: <u>3/09/15</u>	STANDARD DRAWINGS
Approved: <u><i>Felo</i></u> Date: <u>3/9/15</u> <small>City Engineer</small>	106-3
	Page 2 of 5

8. ALL EDGES OF EXISTING PAVEMENT BEING JOINED AND SURFACE BEING OVERLAID SHALL RECEIVE A TACK COAT OF ASPHALT EMULSION.
9. TRENCHES OF 300 FEET OR MORE SHALL BE PAVED WITH A SELF-PROPELLED PAVING MACHINE.
10. ANY STREET PAVED WITH ASPHALTIC CONCRETE IN THE PREVIOUS 60 MONTHS OR RESURFACED WITH AN ASPHALTIC EMULSION (SLURRY SEAL, CAPE SEAL, MICROSURFACE) IN THE PREVIOUS 36 MONTHS, WHERE THE TRENCH EXTENDS FROM THE CURB MORE THAN 5 FEET (INCLUDING SERVICE CONNECTIONS AND METER INSTALLATIONS) OR IS IN A TRAVELED LANE, WILL REQUIRE AN OVERLAY OR SLURRY SEAL 25 FEET IN BOTH DIRECTIONS FROM THE CENTERLINE OF TRENCH. OTHER TRENCHES LESS THAN 5 FEET FROM CURB OR WITHIN A STREET THAT WAS LAST PAVED GREATER THAN 60 MONTHS OR SEALED GREATER THAN 36 MONTHS SHALL BE REPAIRED PER NOTES 15, 16 & 17.
11. IF TRENCH FAILURE SHOULD OCCUR, THE PERMITEE/DEVELOPER WILL BE NOTIFIED OF SUCH DEFICIENCIES AND ALLOWED TO REMOVE, REPLACE, OR REMEDY HIS WORK. UPON FAILURE OF THE CONTRACTOR TO PROMPTLY COMPLY AND UNDER ORDER OF THE CITY ENGINEER, TRENCH FAILURES SHALL BE REMEDIED, REMOVED, REPLACED BY THE CITY AT PERMITEE/DEVELOPER SOLE EXPENSE.
12. NOT USED
13. THE CITY OF YUCAIPA MAY HAVE ADDITIONAL REQUIREMENTS, PLACED ON THE PERMIT, FOR EXCAVATIONS WITHIN YUCAIPA BOULEVARD, OAK GLEN ROAD, BRYANT STREET, CALIFORNIA STREET, WILDWOOD CANYON ROAD, CALIMESA BOULEVARD, 5TH STREET, AVENUE E AND COUNTY LINE ROAD.
14. WHEN TRENCH EXTENDS UNDER CURB, TRENCH SHALL BE SLURRY BACKFILLED WITH CONCRETE FROM BACK OF CURB TO ONE FOOT (1') BEYOND LIP OF GUTTER; FILL TO SUBGRADE ELEVATION WITH 11/2 – 2 SACK MIX.

MAIN LINE TRENCH REPAIR DETAIL

CITY OF YUCAIPA, CALIFORNIA		
Department of Public Works		Engineering Division
Recommended: 	Date: <u>03/09/15</u>	STANDARD DRAWINGS
Approved:  City Engineer	Date: <u>3/9/15</u>	106-3
		Page 3 of 5

GENERAL NOTES:

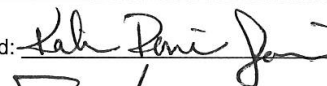

15. ARTERIAL STREET MAINLINE TRENCH STANDARD

- A. IF THE TRENCH IS IN THE OUTSIDE LANE, THE WHOLE LANE AND BIKE LANE SHALL BE GROUND AND OVERLAID WITH 1-1/2" PAVING.
- B. IF THE TRENCH IS IN AN INSIDE LANE, ONLY THE LANE WIDTH SHALL BE GROUND AND OVERLAID WITH 1-1/2" PAVING .
- C. IF THE TRENCH IS ON A LANE LINE OR WITHIN 24" OF A LANE LINE, THE 1-1/2" GRIND AND OVERLAY SECTION SHALL EXTEND TO THE CENTEROF EACH LANE.

16. COLLECTOR STREET MAINLINE TRENCH STANDARD

- A. IF THE TRENCH IS MORE THAN 12' FROM CENTERLINE, THE 1-1/2" GRIND AND OVERLAY SECTION SHALL BE CONSTRUCTED 12' FROM CENTERLINE TO EDGE OF EXISTING PAVEMENT.
- B. IF THE TRENCH IS BETWEEN 12' AND 10' FROM THE CENTERLINE, THE 1-1/2" GRIND AND OVERLAY SECTION SHALL BE CONSTRUCTED 5' FROM CENTERLINE TO EDGE OF EXISTING PAVEMENT.
- C. IF THE TRENCH IS BETWEEN 9' AND 2' FROM CENTERLINE, THE 1-1/2" GRIND AND OVERLAY SECTION SHALL BE CONSTRUCTED FROM CENTERLINE TO 12' FROM CENTERLINE.
- D. IF THE TRENCH IS ON CENTERLINE, THE 1-1/2" GRIND AND OVERLAY SECTION SHALL BE CONSTRUCTED 10' CENTERED ON THE ROADWAY.

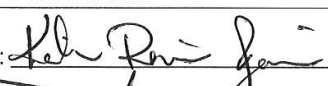

MAIN LINE TRENCH REPAIR DETAIL

CITY OF YUCAIPA, CALIFORNIA		
Department of Public Works		Engineering Division
Recommended: <u></u>	Date: <u>03/09/15</u>	STANDARD DRAWINGS 106-3 Page 4 of 5
Approved: <u></u> City Engineer	Date: <u>3/9/15</u>	

17. LOCAL STREET MAINLINE TRENCH STANDARD (HALF STREET)
- A. TO AVOID "FLOATER" PAVEMENT SECTIONS, IF THE EXISTING STREET PAVING HALF-WIDTH IS 13' OR LESS, THE 1-1/2" GRIND AND OVERLAY SECTION SHALL BE COSTRUCTED THE ENTIRE HALF-STREET WIDTH. 6' EDMILL GRINDING ON EACH SIDE OF THE PAVING SECTION MAY BE ACCEPTABLE IF APPROVED BY CITY ENGINEER.
 - B. FOR STREET HALF-WIDTHS BETWEEN 13' AND 18', THE MINIMUM 1-1/2" GRIND AND OVERLAY SECTION SHALL EXTEND TO CENTERLINE AND SPAN 12' WITH A MINIMUM EXTENSION BEYOND THE TRENCH LINE ON ANY ONE SIDE OF THE TRENCH NOT BEING LESS THAN 2 FEET.
 - C. IF THE TRENCH IS ON CENTERLINE, THE 1-1/2" GRIND AND OVERLAY SECTION SHALL SPAN 10' CENTERED ON THE ROADWAY.

IF A STREET IN WHICH A MAINLINE REPAIR OR INSTALLATION IS OCCURRING FALLS WITHIN THE CITY'S PMP STREET REHABILITATION SCHEDULE FOR THE UPCOMING FISCAL YEAR, THE CITY WILL ALLOW THE PERMITTEE TO PAY THE CITY THE STREET REHABILITATION CONTRACT UNIT RATE, PLUS TEN PERCENT FOR ADMINISTRATIVE/MOBILIZATION FEES FOR THE REQUIRED PAVEMENT OVERLAY SECTION BEYOND THE TRENCH SECTION. WITH THIS OPTION THE PERMITTEE WOULD BE REQUIRED TO BASE-PAVE FLUSH TO EXISTING PAVEMENT USING PG. 64-10 3/4" MAX HOT MIX A.C.

MAIN LINE TRENCH REPAIR DETAIL

CITY OF YUCAIPA, CALIFORNIA		
Department of Public Works	Engineering Division	
Recommended: <u></u>	Date: <u>03/09/15.</u>	STANDARD DRAWINGS 106-3 Page 5 of 5
Approved: <u></u> City Engineer	Date: <u>3/9/15.</u>	