



BUTTE COUNTY, CALIFORNIA

ADDENDUM #1

to the

FORMAL BID DOCUMENTS

FOR

State Route 99 – Waterline Relocation Project

Project Number 24-01

Contract Number 2024-01

Prepared by
City of Gridley, California

Dave Harden, PE
Contract City Engineer



August 2024

The following addendum and attachments shall be made part of the Contract Documents, and the bidder shall acknowledge receipt thereof on the Bid Form as Attachment 1 and return this package signed with the Bid Forms.

ADDENDUM SECTION 1 – General Revisions

1. Notice to Bidders is Revised
 - a. Sealed Proposals will be received until **2:00pm on Thursday August 22, 2024.**
2. Instructions To Bidders are revised, see attached revised sheets IB-1A, IB-2A, and IB-3A.
 - a. **A Bid Bond is required** at 10% of proposal price per Public Contracting Code and the project needs to be completed by March 2025.
 - b. The Instruction to Bidders Section Numbering has been corrected. See attached Revised Instruction to Bidders.
3. Bid Schedule has been revised, **see attached BS-1A.**
 - a. Revise Bid Item #9 “Install 12” Resilient Gate Water Valve”: quantity four (4).
 - b. Revise Bid Item #12 to “Reconnect 1-inch Water Services”: quantity one (1).
 - c. Add Bid Item #13 “Install 10” Resilient Gate Water Valve”: quantity two (2).
 - d. Add Bid Item #14 “Reconnect 2-inch Water Service”: quantity two (2).
4. Proposal Form has been revised with updated bid items attached. **Contractor shall use P-1A and P-2A for Proposal submittal.**
5. Form of Contract has been Revised As follows:
 - a. A Bid Bond Form has been added to the Form of Contract as pages **FC-12, FC-13, and FC-14.**
 - b. Contractors shall submit the attached form with their proposal.
6. General Conditions Index has been revised to remove C-12 Construction Staking and renumbered to match the numbering in the GC. A new index is not provided with this addendum and the correction will be captured in the conformed set.
7. All references to “Informal Bid Documents” are changed to “Formal Bid Documents”.

ADDENDUM SECTION 2 – Plan Revisions – The following is a list of revisions to the scope of the project:

1. Sheet C-3, C-4, and C-5 to be replaced with revised sheets C-3A, C-4A, and C-5A.
 - a. Construction notes revised.
 - b. Proposed 10-inch and 12-inch gate valve labels have been corrected and added.
 - c. Service lateral reconnection locations added.
2. Detail 3 on sheet C-7 to be replaced with revised detail on sheet C-7A, see attached.
3. Detail 5 on sheet C-7 to be replaced with revised detail on sheet C-7A, see attached.
4. Details 1 and 2 on sheet C-6 have been moved to sheet C-7A and renumbered to details 6 and 7, see attached.
5. City details ST-32, ST-33, W-6, and W-16 have been added to sheet C-6A with revision notes, see attached.
6. City detail W-11 has been added to sheet C-7A.

ADDENDUM SECTION 3 – Technical Specification Revisions – The following is a list of revisions to the scope of the project:

1. Section 79-1.03H Glassed has been removed from the Technical Specification.

2. Section 79-2.04A Gate Valve is revise to add 10-inch Resilient Gate Valve to payment description.
“The PER EACH price for “8-inch Resilient Gate Valve” and “12-inch Resilient Gate Valve” and “10-inch Resilient Gate Valve” shall be full compensation for all labor, equipment, tools, and incidentals to complete each item.”
3. Section 79-4.04 Payment for Reconnect Water Services is revised to add 1-inch and 2-inch services to the description.
“The PER EACH price for “Reconnect 1-inch Water Service” and “Reconnect 2-inch Water Service” shall be full compensation for all labor, equipment, tools, and incidentals to complete this item.”

ADDENDUM SECTION 4 – Pre-Bid Questions and Answers – The following questions have been received from potential bidders, and the following answers are provided.

1. Q: Ground water can be found +/- 2 feet below grade. Do you have a plan for dewatering or is it up to the contractor to determine the course of action?

Generalized: What is the course of action if ground water is found when trenching?

A: The groundwater depth is assumed to be below trench depth and is not anticipated to be a problem. There was no groundwater detected in recent potholing activity or nearby construction activity. If groundwater is found in trench and becomes an issue during construction, a change order will be considered.

2. Q: In regard to Caltrans, what are they going to require for paving? I did not see a trench patch detail on the plans or in the spec's and with the new Pipeline and the ACP pipe removal will we be required to do a trench patch plus the full lane width plus the shoulder of paving (which would be and grind and inlay situation)? Can you please provide a bid item for the asphalt paving and a detail?

Generalized: What is required for paving?

A: The cost of paving is to be included in the unit price for pipe installation or removal. Only a “T-section” trench patch is required. See attached C-6A for additions to the City's trench details that include the Caltrans structural sections requirements (0.85' HMA over 1.55' AB) or equivalent slurry cement backfill per State Standards and approved by Caltrans.

3. Q: In regard to the ACP and PVC pipe removal, please provide a backfill detail backfill materials and trench patching. Please verify if the existing Caltrans Right Of Way has cement or lime treated subgrade or aggregate base. If there is cement or lime treatment it creates difficulty with excavation and disposal of spoils.

Generalized: Is the subgrade cement, lime treated, or aggregate base?

A: Per Caltrans depiction of existing conditions, it should be anticipated that there is 0.7 feet cement treated base under the asphalt. Trench excavation, which includes excavation of cement treated base is included in the bid price for water line installation or removal. A trench repair

section has been provided on Sheet C-6A, attached, to provide an equivalent structural section to meet Caltrans requirements. Also see answers for Q#2 and Q#3.

4. Q: Can the trench spoils be disposed of at the City Sewer Treatment Plant?

Generalized: Can the trench spoils be disposed of at the City Sewer Treatment Plant?

A: The City is not available to accept spoils at this time. Hauling and disposal is the responsibility of the contractor, and the cost is to be included in the bid item for installation and removal of pipe.

5. Q: What are the working hours for this project?

Generalized: What are the working hours for this project?

A: Assume night work for worst case scenario. Final working hours will be coordinated with Caltrans and the City before work begins. Caltrans encroachment permit is pending approval.

6. Q: Was a soils report conducted to determine the groundwater depth?

Generalized: Is a Soils Report available?

A: A soils report was not conducted for this project or the Caltrans project which follows this one. See response to question 1 for concerns about groundwater.

7. Q: The index of the General Conditions lists "C.12 Construction Staking." C.12 is listed as "C.12 Permits and Regulations," please confirm construction staking section is omitted due to it being on the Contractor as mentioned in the general note 24 of Sheet G-2.

Generalized: Is the contractor responsible for construction stacking?

A: Construction Staking has been omitted as it is the responsibility of the contractor to provide as they see fit to complete the job. The index has been updated to reflect the removal of Construction Staking.

8. Q: Contract Document C-2 states, "All pipe shall be fully restrained. If ex. water pipe is not fully restrained, new pipe joints shall be restrained, for a minimum of 15 ft." Please confirm Contractor is to install bell restraints on existing pipe 15 ft. on either direction.

Generalized: How should the existing water line be restrained?

A: The contractor shall install bell restraints or 15 ft stick of pipe in either direction to ensure proper pipe restraint. A quantity change order for additional linear feet of pipe will be issued if the condition of unrestrained pipe is found during construction.

9. Q: Section 79 Water Distribution System, Subsection 79-1.02B Pipe states, "Pipe shall have 1/16-inch cement mortar lining and one mil bituminous coating per ANSI A21.4." Subsection 79-1.03H

Glass Lined states, “The glass lining applied to the ductile iron pipe and fittings...” Please clarify what lining the pipe and fittings shall have.

Generalized: Is glass lining or mortar lining being used?

A: All ductile iron pipes shall be cement mortar lined. The Glass Lining section has been removed.

10. Q: Bid Schedule Item 12 Reconnect Water Services list 17 reconnections, all locations are not identified on plan set. Please identify each location to be reconnected to the new water main. When reconnecting services to these domiciles, is contractor reconnecting existing line to new water main or reconnecting to new water main from the domestic water meter?

Generalized: Where are the active service laterals? Are the laterals being reconnected or are the laterals being replaced from water meter to new water main?

A: Bid Item #12 quantities have been revised. All existing service laterals are to be replaced from the new main to the service meter by contractor during construction. The locations of known service laterals are depicted by water meters shown on the plans, See revised plans with the this addendum. A service connection detail has been added to Sheet C-6A.

11. Q: Details 2 & 4 on Sheet C-7 depict 10” Gate Valves. The bid schedule does not contain a bid item for 10” Gate Valves. Please confirm gate valve quantities and sizing.

Generalized: Please confirm gate valve quantities and sizing.

A: 10-inch gate valves have been added into bid items, bid item description, and corrected in the plans.

12. Q: After notice to award within thirty (30) calendar days after the opening of proposals, do you have a set date on the notice to proceed to be issued by the City.

Generalized: Is there a set date for notice to proceed?

A: The City will negotiate a notice to proceed date with the contractor after the City Council approves the Award of the contract. Due to coordination with Caltrans, the approaching winter season, and other factors concerning the Hwy 99 corridor, flexibility between the City and the contractor is required.

13. Q: Is there a paving detail and it looks like this project is going to run through this winter, so when do you expect to do the paving?

Generalized: When is paving going to happen?

A: See response to question 2 for details on structural section. Paving shall be done as weather conditions permit. IF needed due to weather conditions, temporary cold placed asphalt may be required. The City will work with the contractor and Caltrans to coordinate the replacement of the temporary patch.

14. Q: Will vertical offsets be required at two 8-inch lateral tie-ins if the new main is at the same elevation as the existing main?

Generalized: Are there details and instructions for lateral main tie-ins?

A: Details have been updated to include additional couplings, see sheet C-7A. The contractor shall leave a gap for the valve cluster/tie-in, perform pressure testing and disinfection each section separately, and drop in disinfected valve cluster/tie-in assembly after testing and disinfection has been completed and accepted by the City.

END OF ADDENDUM #1

Thank you in advance for your Bid.



Dave Harden, PE
City Engineer

I acknowledge receipt of this addendum and all attachments by including a signed copy of this addendum with the bidder's proposal. Failure to do so may subject Bidder to disqualification.

Bidders Signature

Date



BUTTE COUNTY, CALIFORNIA

ATTACHMENTS for
ADDENDUM #1
to the
FORMAL BID DOCUMENTS
FOR

State Route 99 – Waterline Relocation Project
Project Number 24-01
Contract Number 2024-01



Prepared by
City of Gridley, California

Dave Harden, PE
Contract City Engineer

August 2024

INSTRUCTION TO BIDDERS

A. INTRODUCTION

Each Proposal shall be in accordance with the Formal Bid Documents prepared by the **City of Gridley, 685 Kentucky Street, Gridley, CA 95948**. Formal Bid Documents are available as specified in the Notice to Bidders.

B. DEFINITION OF TERMS

1. **FORMAL BID DOCUMENTS:** The Formal Bid Documents consist of the Notice to Contractors, Instructions to Bidders, Proposal, General Conditions, Technical Specifications, Plans, and any Addenda.
2. **CONTRACT:** If the Owner accepts an Formal bid, the contract will be executed and a Notice of Award will be issued.
3. **OWNER, CONTRACTOR AND ENGINEER:** The Owner, the Contractor and the Engineer are those mentioned as such in the General Conditions. They are treated throughout the Formal Bid Documents as if each were of the singular number and the masculine gender.
4. **BIDDER:** Any individual, firm, partnership, or corporation submitting a Proposal for the work contemplated, acting directly or through a duly authorized representative.
5. **PROPOSAL:** The offer of a Bidder for the work when made out and submitted on the prescribed Proposal form, properly signed and guaranteed.
6. **PROPOSAL GUARANTEE:** A Proposal Guarantee, also known as a Bid Bond, is required.
7. **START OF CALENDAR DAYS FOR CONSTRUCTION:** The date on which the Owner issues a Notice to Proceed.
8. **DAYS:** Unless otherwise specifically stated, the term "days" will be understood to mean calendar days.
9. **WORK:** The term "work" means all the work specified, indicated, shown or contemplated in the Formal Bid Documents, including all alterations, amendments or extensions thereto made by Change Order or other written orders by the City.
10. **SPECIFICATIONS:** The term "specifications" refers to the terms, provisions and requirements contained herein and referred to as General Conditions and Technical Specifications. Where Standard Specifications such as those of ASTM, AASHTO, etc., have been referred to, the applicable portions of such Standard Specifications shall become a part of these Formal Bid Documents.
11. **PLANS:** The term "Plans" refers to the official Plans, profiles, cross sections, elevations, details and other working drawings and supplementary drawings, or reproductions thereof, signed by the Engineer, which show the location, character, dimensions, and details of the work to be performed. Plans may either be bound in the same book as the balance of the Formal Bid Documents or bound in separate sets and are a part of the Formal Bid Documents regardless of the method of binding.

INSTRUCTION TO BIDDERS

C. PREPARATION AND SUBMISSION OF PROPOSALS

Proposals must be submitted on the forms bound in the formal Bid Documents and must be wet signed by the Bidder or their authorized representative. Any corrections to the entries made on the Proposal forms must be initialed by the person signing the Proposal.

Bidders must bid on all items appearing on the Proposal form, unless specific directions allow for partial bids. If bids on all items are not required, Bidders shall insert the words "No Bid" where appropriate. Alternate bids will not be considered unless specifically called for in the Proposal.

Proposals or modifications shall be submitted to the city by the date and time specified by hardcopy. No electronic or fax submittals will be accepted. Modifications to Proposals already submitted will be allowed if received in writing prior to the time fixed in the Notice to Contractors for opening of Proposals. Modifications shall be submitted as such and shall not reveal the total amount of either the original or revised. The sealed envelope containing the Proposal shall be directed to and filed at

**Carmen Santana
City of Gridley
685 Kentucky Street
Gridley, CA 95948**

Proposals received after the time indicated will be returned unopened.

D. WITHDRAWAL OF PROPOSALS

Any bidder may withdraw their Proposal, either personally or by facsimile or written request at any time prior to the scheduled closing time for receipt of bids. Negligence on the part of the bidder in preparing their bid shall not constitute a right to withdraw their bid subsequent to the bid opening.

E. ADDENDA AND EXPLANATIONS TO BIDDERS

Any request for explanation or interpretation of the Formal Bid Documents must be made in writing at least seven (7) calendar days before the time set for opening of Proposals. Any explanation or interpretation will be made in the form of Addenda to the Formal Bid Documents and shall be furnished to all Bidders. Bidders shall submit signed copies of all Addenda with their Proposals. Oral explanations and interpretations will not be binding.

F. DISCREPANCIES

In case of discrepancies between unit prices and totals, unit prices will prevail. In case of discrepancy between words and figures, words will prevail.

INSTRUCTION TO BIDDERS

G.

ACCEPTANCE OR REJECTION OF PROPOSALS

The Owner reserves the right to reject any or all Proposals and to waive any informality in any Proposal.

The issuance of a Notice of Award will be for the Proposal that complies with the requirements of the Formal Bid Documents within fifteen (15) calendar days after the opening of Proposals. It is expected the contractor will be able to procure the required insurance certificates quickly.

H.

BONDS

All Contract Proposals shall be accompanied by a cashier's or certified check payable to the order of the City of Gridley, amounting to ten per cent (10%) of the bid, or by a Bid Bond in said amount, on the form included within the Contract Proposal. Said check shall be forfeited, or said bond shall become payable, in case the Bidder depositing same does not complete the requirements as defined in the CONTRACT DOCUMENTS in the time set forth herein below.

I.

BID SUBMITTAL DOCUMENT LIST

Contractor shall be responsible for reading the construction documents (Specifications and Drawings), and for a site condition review. Contractor shall fill out completely, sign and date the entire list of forms and shall include them with the submitted bid.

Item	Title	Pages
1	Proposal	P-1,P-2
2	List of Subcontractors	LSC-1
3	Public Contract Code (Sec. 10285.1, 10162, 10232, Non-collusion Affidavit -7106, Debarment and Suspension Certification, Certification of Labor Code Sec. 1861, Equal Employment Opportunity Certification	PCC-1,PCC-2,PCC-3, PCC-4, PCC-5
4	All Addenda (if applicable)	
5	Copies of all required Certifications, References, and Proof of Knowledge and Ability to Perform, for all of the work herein prescribed.	

Bid Proposal shall be submitted in a sealed envelope, clearly marked "BID PROPOSAL" and shall also bear the name of the project and date and time set for opening of Bid, refer to Notice to Bidders page NTB-1 and NTB-2.

Note: It is not necessary to submit the entire set of specifications, only the ones listed above. Please keep the remainder of set for your information.

BID SCHEDULE

**CITY OF GRIDLEY
STATE ROUTE 99 – WATERLINE RELOCATION PROJECT**

BID SCHEDULE			
This work shall consist of the following: Mobilization and Demobilization, traffic control, removal of the existing waterline and appurtenances, installation of a new waterline and appurtenances, connections to existing water services, and all other work as shown on the Plans and Specifications for a complete and total job.			
<u>Item</u>	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>
1	Mobilization and Demobilization	LS	1
2	Traffic Control and Encroachment Permit	LS	1
3	Water Pollution Control Plan	LS	1
4	Remove Existing Fire Hydrant Assembly	EA	4
5	Remove Existing Water Line (PVC)	LF	50
6	Remove Existing Water Line (AC)	LF	1,350
7	Install new Fire Hydrant Assembly	EA	3
8	Install 8" Resilient Gate Water Valve	EA	1
9	Install 12" Resilient Gate Water Valve	EA	4
10	Install 12" C-900 PVC Water Main	LF	1,330
11	Install 10" C-900 DIP Water Main	LF	40
12	Reconnect 1" Water Service	EA	1
13	Install 10" Resilient Gate Water Valve	EA	2
14	Reconnect 2" Water Service	EA	2

It is the intent to provide all labor, materials, and equipment necessary for complete construction of the new pipeline and its connection to the existing sewer system.

PROPOSAL

TO: CITY OF GRIDLEY

The undersigned declares that they have carefully examined the location of the proposed work and that they have examined the Informal Bid Documents entitled:

CITY OF GRIDLEY STATE ROUTE 99 – WATERLINE RELOCATION PROJECT

They propose to furnish all labor, materials, tools, and equipment and to perform all the work necessary to construct the improvements complete in place in accordance with the Formal Bid Documents, plans and specifications and that they will take in full payment therefor the following prices, to wit:

BID PROPOSAL					
This work shall consist of the following: Mobilization and Demobilization, traffic control, removal of the existing waterline and appurtenances, installation of a new waterline and appurtenances, connections to existing water services, and all other work as shown on the Plans and Specifications for a complete and total job.					
<u>Item</u>	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Unit Cost</u>	<u>Total Cost</u>
1	Mobilization and Demobilization	LS	1	\$.	\$.
2	Traffic Control and Encroachment Permits	LS	1	\$.	\$.
3	Water Pollution Control Plan	LS	1	\$.	\$.
4	Remove Existing Fire Hydrant Assembly	EA	4	\$.	\$.
5	Remove Existing Water Line (PVC)	LF	50	\$.	\$.
6	Remove Existing Water Line (AC)	LF	1,350	\$.	\$.
7	Install new Fire Hydrant Assembly	EA	3	\$.	\$.
8	Install 8" Resilient Gate Water Valve	EA	1	\$.	\$.
9	Install 12" Resilient Gate Water Valve	EA	4	\$.	\$.
10	Install 12" C-900 PVC Water Main	LF	1,330	\$.	\$.
11	Install 10" C-900 DIP Water Main	LF	40	\$.	\$.
12	Reconnect 1" Water Service	EA	1	\$.	\$.
13	Install 12" Resilient Gate Water Valve	EA	2	\$.	\$.

PROPOSAL

14	Reconnect 2" Water Service	EA	2	\$.	\$.
TOTAL BID AMOUNT				\$.	

BID TOTAL (IN WORDS)= _____

The undersigned further declares, under the penalty of perjury under the laws of the State of California, that in making the foregoing bid, the bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and, further, that the bidder has not, directly or indirectly, submitted his or her price, or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

The undersigned further declares that he is a licensed Contractor in the State of California, and that the license which he holds is of the class required to perform the specified work.

Contractor's License Number: _____

Signature of Bidder: _____

Bidder's Name: _____

Business Address: _____

Bidder's Telephone: _____

Dated: _____

Note: If Bidder is a corporation, the legal name of the corporation shall be set forth above, together with the signature of the officer or officers authorized to sign Contracts on behalf of the corporation. If Bidder is a co-partnership, the true name of the firm shall be set forth above, together with the signature of the partners authorized to sign Contracts in behalf of the co-partnership; and if Bidder is an individual, his signature shall be placed above. If signature is by an agent, other than an officer of a corporation or a member of a partnership, a Power of Attorney must be on file with the Owner prior to opening of Proposals or submitted with the Proposal; otherwise, the Proposal will be disregarded as irregular and unauthorized.

FORM OF CONTRACT

BID BOND

KNOW ALL MEN BY THESE PRESENTS:

THAT WE, _____

(hereinafter designated as "**PRINCIPAL**") and _____

(hereinafter designated as "**SURETY**") are held and firmly bound unto the City of Lincoln, State of California, (hereinafter called "City") in the sum of ten percent (10%) of the total aggregate amount of the bid of the Principal above named, submitted by said Principal to City for the work described below, for the payment of which sum in lawful money of the United States, well and truly to be made, we bind ourselves, our heirs, executors, administrators, and successors, jointly and severally, firmly by these presents. In no case shall the liability of the Surety hereunder exceed the sum of _____ DOLLARS (\$_____).

The condition of this obligation is such that a bid to City for construction of the project as follows, for which bids are to be opened on _____, 2024, has been submitted by Principal to City:

STATE ROUTE 99 – WATERLINE RELOCATION PROJECT

NOW, THEREFORE, if the aforesaid Principal shall not withdraw said bid within the period specified therein after the opening of the same, or, if no period be specified, within sixty (60) days after said opening, and shall within the period specified therefore, or, if no period be specified, within ten (10) days after the prescribed forms are presented to him for signature, enter into a written contract with City, in the prescribed to him for signature, in accordance with the bid as accepted, and file the two bonds with Owner, one to guarantee faithful performance and the other to guarantee payment for labor and materials, as required by the Contract Documents, then this obligation shall be null and void; otherwise, it shall be and remain in full force, virtue, and effect. And the said Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration, or addition to the terms of said contract or to the work to be

FORM OF CONTRACT

performed hereunder or the specifications accompanying the same shall in any manner affect its obligations on this bond, and it does hereby waive notice of any such change, extension, alteration, or addition.

In the event suit is brought upon said bond by City and judgment is recovered, the Surety shall pay all costs incurred by City in such suit, including a reasonable attorneys' fee to be fixed by the Court. Death of the Principal shall not relieve Surety of its obligations hereunder.

FORM OF CONTRACT

IN WITNESS WHEREOF, the instrument of this **BID BOND** has been duly executed by the principal and surety above named, on

Signed and sealed this _____ day of _____ 20 _____

ATTEST:

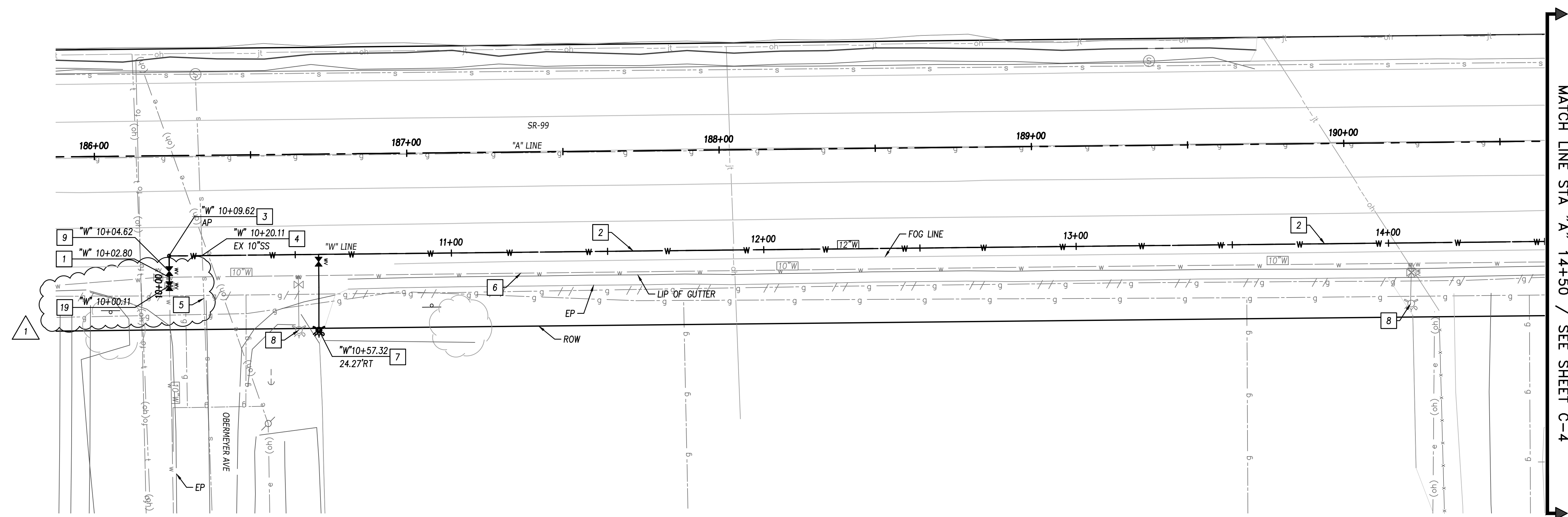
_____	_____
	Principal
_____	By _____
(Principal Secretary)	
_____	_____
(Witness as to Principal)	(Address)
_____	_____
(Address)	

ATTEST:

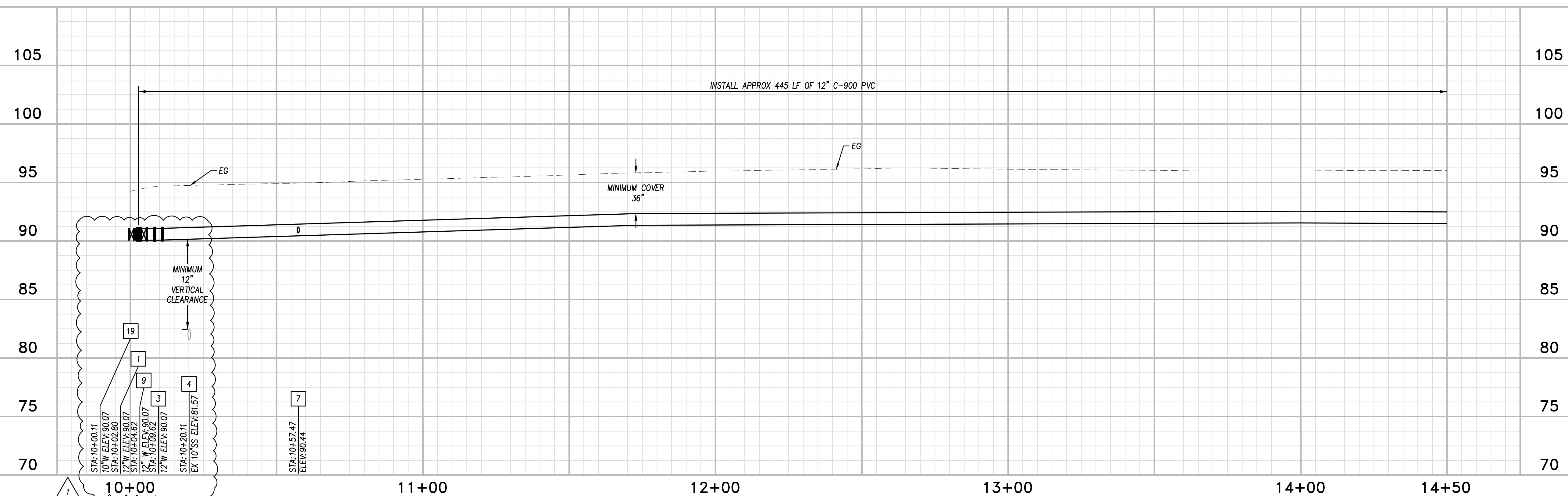
_____	_____
	Surety
_____	By _____
(Surety Secretary)	Attorney-in-Fact
_____	_____
(Witness as to Surety)	(Address)

NOTES:

1. Sureties must be authorized to do business in and have an agent for service of process in California and be on the accredited list of the United States Treasury Department, and their bonds will be limited to such amounts as would be acceptable to the Treasury Department. The name, address, and phone number of the Company as well as the Agent shall be attached hereto.
2. Signatures of those executing for Surety must be properly acknowledged, and a power of attorney attached.
3. No substitution or revision to this bond form will be accepted.



- ### CONSTRUCTION NOTES:
- | | |
|----|--|
| 1 | TIE INTO EXISTING WATER LINE PER DTL 2, SEE SHT C-7 |
| 2 | INSTALL 12" DR-18 C-900 WATER MAIN PER GRIDLEY STANDARD DTLS W-3, W-5, & W-15, SEE SHT C-6 |
| 3 | INSTALL 12" 90° ELL |
| 4 | MAINTAIN A MINIMUM 12" VERTICAL SEPARATION BETWEEN UTILITIES |
| 5 | PROTECT IN PLACE |
| 6 | REMOVE EXISTING WATER LINE |
| 7 | INSTALL NEW FIRE HYDRANT AND ASSEMBLY PER MODIFIED FIRE HYDRANT INSTALLATIONS, SEE SHT C-7 |
| 8 | REMOVE EXISTING FIRE HYDRANT ASSEMBLY, RETURN TO CITY |
| 9 | INSTALL 12" RESILIENT WEDGE GATE VALVE PER GRIDLEY STANDARD DETAIL W-4, SEE SHT C-6 |
| 10 | INSTALL 10" RESILIENT WEDGE GATE VALVE PER GRIDLEY STANDARD DETAIL W-4, SEE SHT C-6 |



NO.	REVISIONS	BY	DATE
△			
△			
△			
△			
△			
△	ADDENDUM #1	JG	08/14/24

BENCH MARK ELEV : 96.08 DATUM : NAVD88
 DESCRIPTION :
 BASIS OF ELEVATIONS: CM 2.97, 96.08'
 BASIS OF BEARINGS: CCS, ZONE 2, NAD 83
 (2011) EPOCH 2017.5

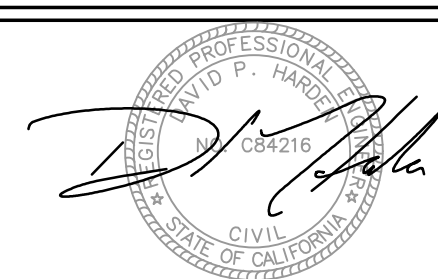
DESIGN BY :	A. HOLLADAY
DRAWN BY :	J. GINNEVER
CHECKED BY :	D. HARDEN
SCALE :	H:1"=20' V:1"=5'
DATE :	08/14/2024
PROJ NO. :	16607-104

VERIFY SCALE

BAR IS ONE INCH ON ORIGINAL DRAWING.

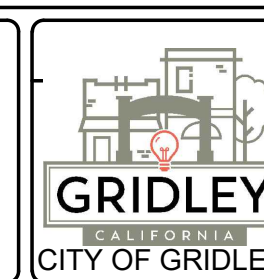
0  1"

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.



Bennett Engineering Services
1082 Sunrise Avenue, Suite 100
Roseville, CA 95661

(916) 783-4100
www.ben-en.com



GRIDLEY SR-99 WATER RELOCATION PROJECT

PLAN AND PROFILE

"W" LINE STA 10+00 to STA 14+50

C-3A
5
OF
12

NOTES:

1. ALL JOINTS AND JOINT LENGTHS SHALL BE FULLY RESTRAINED. THRUST BLOCKS SHALL ONLY BE USED WITH PRIOR APPROVAL BY THE CITY.
2. INSTALL FULL LENGTH JOINTS WITH TOTAL LENGTH EQUAL TO OR GREATER THAN SHOWN IN THE REQUIRED LENGTH OF PIPE.
3. THRUST BLOCKS TO BE CONSTRUCTED OF MINOR CONCRETE.
4. ALL JOINTS SHALL BE COVERED WITH A MINIMUM OF 150 S.F. IN SOIL WITH 2,000 P.S.F. BEARING CAPACITY. INSTALLATIONS USING DIFFERENT PIPE, TEST PRESSURES, AND/OR SOIL TYPES SHOULD ADJUST AREAS ACCORDINGLY, SUBJECT TO APPROVAL OF ENGINEER.
5. JOINTS TO BE POURED AGAINST UNDISTURBED SOIL.
6. JOINTS TO BE KEPT 'CURED' OF CONCRETE.
7. JOINTS TO BE IN PLACE 7 (SEVEN) DAYS BEFORE TESTING.
8. ALL PLUGS SHALL BE SECURED WITH THRUST BLOCKS.

The diagram illustrates the Caltrans Structural Pavement Section Requirements for a trench backfill. It shows a cross-section of the pavement structure above the trench and the trench backfill itself.

Pavement Structure Above Trench:

- Caltrans Structural Pavement Section Requirements:** 1.5S' AB CLASS II AND 0.85' HMA-A
- A.C.** (Asphalt Concrete) layer
- A.B.** (Aggregate Base) layer

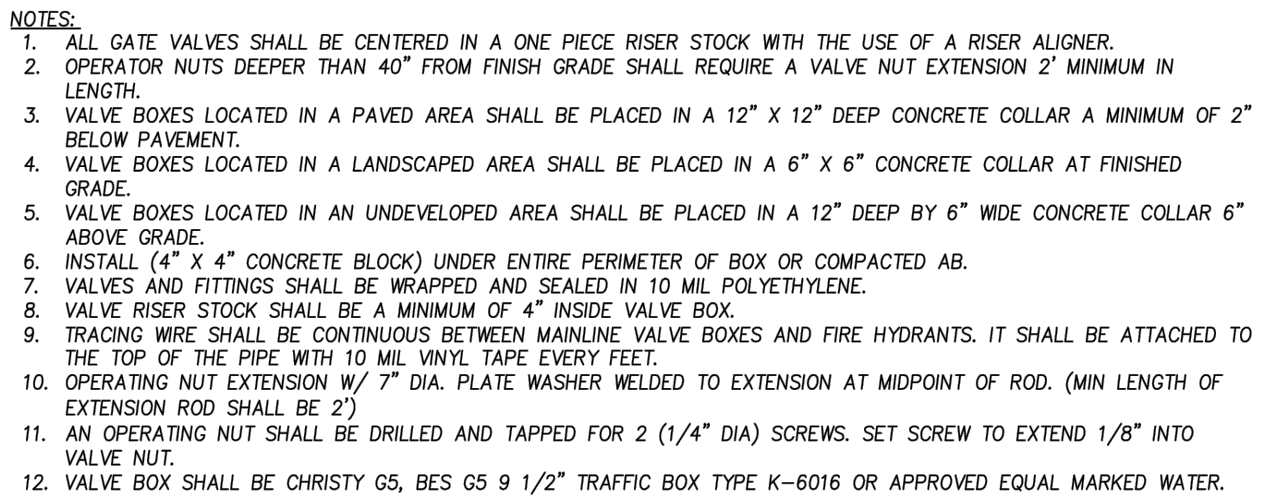
Trench Backfill Requirements:

- Subgrade**
- 3/4" CLASS 2 AGGREGATE BASE, 95% RELATIVE COMPACTION**
- DETECTABLE BACKFILL TAPE LOCATED BETWEEN AGGREGATE BASE BACKFILL AND BEDDING SAND**
- BEDDING SAND AT 95% COMP. (100% PASSING 3/8" SIEVE, NOT MORE THAN 6% PASSING 200 SIEVE)**
- #12 INSULATING WIRE SECURED TO TOP OF PIPE**
- VARIES** (vertical dimension)
- 8" O.D.** (Outer Diameter of pipe)
- 6"** (vertical dimension)
- 6" MIN** (horizontal dimension)
- 0.0 + 12" MIN** (horizontal dimension)
- 0.0 + 2" MAX** (horizontal dimension)

Notes:

- MAY BE LESS THAN 12" IN ORDER TO MEET CALTRANS STRUCTURAL PAVEMENT SECTION REQUIREMENTS**
- TRENCH BACKFILL REQUIREMENTS: PROPOSED STREETS-- REFER TO DETAIL ST-32 AND ST-33 FOR BACKFILL REQUIREMENTS ABOVE THE PIPE.**

NO.	REVISIONS	BY	DATE	BENCH MARK	ELEV. : <u>96.08</u>	DATUM : <u>N</u>
△				DESCRIPTION: BASIS OF ELEVATIONS: <u>CM 2.97, 96.08'</u> BASIS OF BEARINGS: <u>CCS, ZONE 2, NAD</u> (2011) EPOCH 2017.5		
△						
△						
△						
△						
△	ADDENDUM #1	JG	08/14/24			



CONDITION #1
EXISTING OR
PROPOSED
STREET

CONDITION #2
UNPAVED TRAVEL
WAY

6" MIN

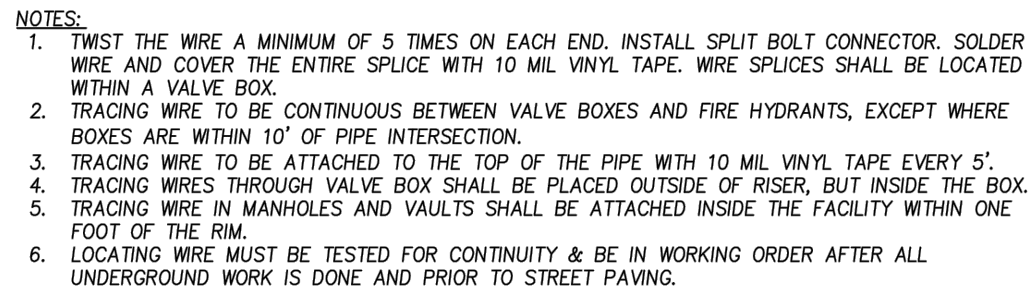
6" MIN

TRENCH REPAIR FOR PIPE REMOVAL SHALL
INCLUDE REPLACEMENT OF TRENCH ZONE
BACKFILL WITH NATIVE OR IMPORT
BACKFILL PER NOTES IN THIS SHEET.

LEGEND:

- A. ASPHALT CONCRETE PATCH OR CONCRETE OR ASPHALT CONCRETE PAVEMENT SECTION PER APPROVED PLANS:
LOCAL STREETS: 2" AC
COLLECTOR STREETS: 2" AC
COMMERCIAL AND ARTERIAL STREETS: 3" AC PLACED IN TWO LIFTS
INDUSTRIAL STREETS: 3" AC PLACED IN TWO LIFTS
- B. CLASS 2 AGGREGATE BASE:
UNPAVED TRAVEL WAY: 6" AB AT 95% RELATIVE COMPACTION
LOCAL STREETS: 6" AB AT 95% RELATIVE COMPACTION
COLLECTOR STREETS: 8" AB AT 95% RELATIVE COMPACTION
COMMERCIAL AND ARTERIAL STREETS: 8" AB AT 95% RELATIVE COMPACTION
INDUSTRIAL STREETS: 12" AB AT 95% RELATIVE COMPACTION
- C. IF MINIMUM COVER IS NOT MET OR THERE IS LESS THAN 1' BETWEEN CROSSING UTILITIES, SLURRY BACKFILL SHALL BE USED. SEE DR-10 FOR STORM DRAIN, W-15 & W-16 FOR WATER PIPE, AND SS-05 FOR SANITARY SEWER PIPE, OF THESE CONSTRUCTION STANDARDS
- D. EXISTING STREET PAVEMENT
- E. TACK COAT ON ALL VERTICAL PAVEMENT SAUCUS
- F. TYPICAL EACH SIDE OF TRENCH IN EXISTING STREET
- G. FOR PIPE EMBEDMENT SEE DR-10 FOR STORM DRAIN, W-15 & W-16 FOR WATER PIPE, AND SS-05 FOR SANITARY SEWER PIPE, OF THESE CONSTRUCTION STANDARDS

88	DESIGN BY : A. HOLLADAY	VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING. 0 [REDACTED] 1" IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.	
	DRAWN BY : J. GINNEVER		
	CHECKED BY : D. HARDEN		
	SCALE : VARIES		
	DATE : 08/14/2004		
	PROJ. NO. : 16607-104		



BACKFILL DETAILS

SEE RESURFACING DETAILS

REPLACE TOP SOIL & GRADE SMOOTH IN CULTIVATED LANDSCAPED AREAS

BERM UP IN NON-CULTIVATED AREAS

CLASS A

IMPORTED BACKFILL

95% RELATIVE COMPACTION

12" MIN

CLASS B

NATIVE BACKFILL

95% RELATIVE COMPACTION

12" MIN

CLASS C

NATIVE BACKFILL

95% RELATIVE COMPACTION

12" MIN

SETTLING BY VIBRATION OR LETTING F 5-20

FOR TRENCH IN TRAVELLED WAY WHERE NATIVE MATERIAL HAS SAND EQUIVALENT LESS THAN 25

FOR TRENCH IN TRAVELLED WAY WHERE NATIVE MATERIAL HAS SAND EQUIVALENT OF 25 OR MORE

FOR TRENCH NOT IN ROADWAY

NOTE: LETTING OF PIPE SHADING AND BEDDING SHALL NOT BE PERMITTED TYPICAL.

BEDDING DETAILS

IMPORTED BACKFILL

12" MIN

NATIVE BACKFILL

12" MIN

6" MIN

3" MIN

CONCRETE ENCASMENT

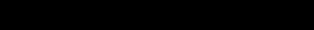
CLASS "C" CONCRETE

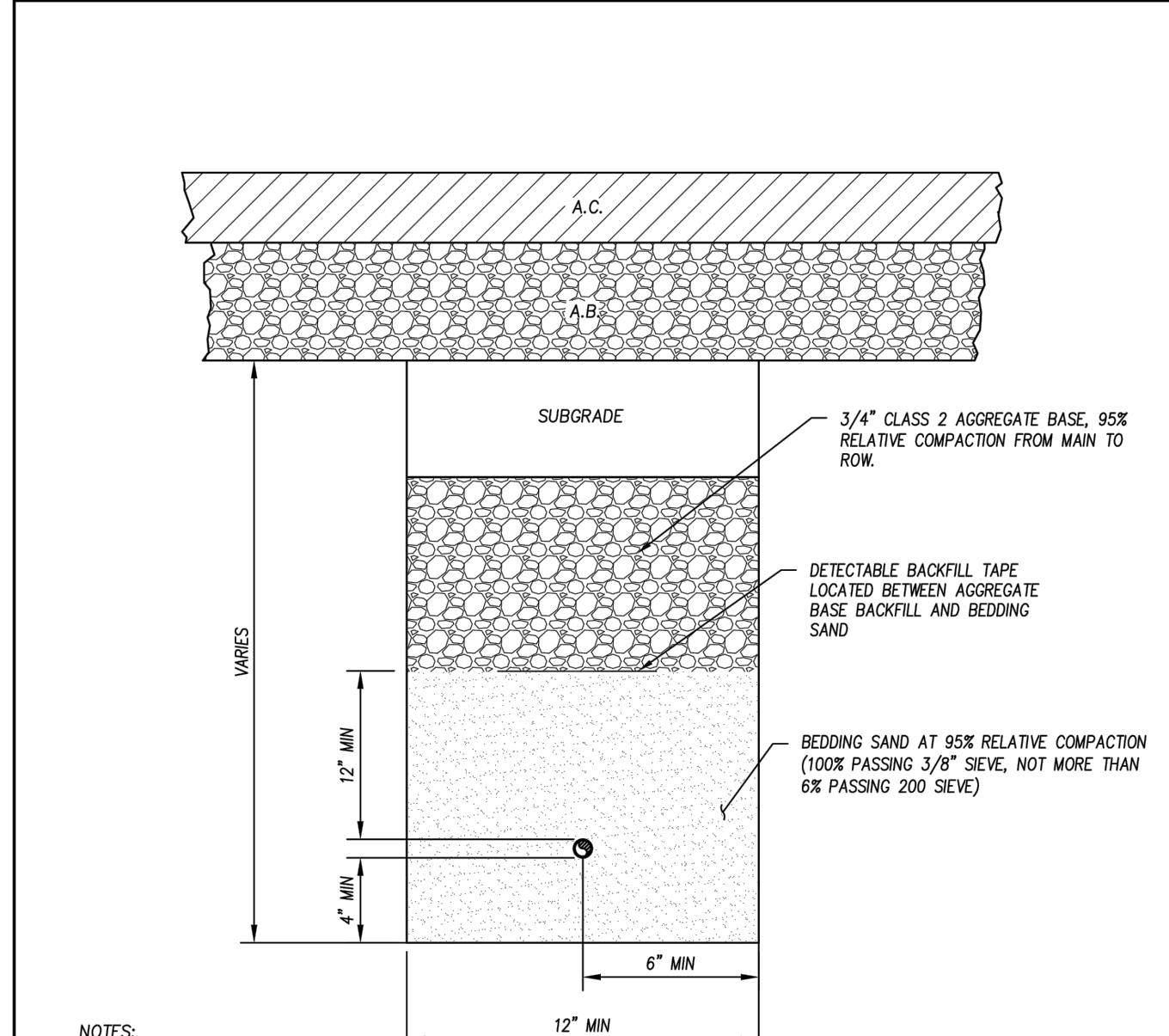
SMOOTH FIRM BASE UNDER PIPE BARREL EXCAVATE HOLES FOR BELLS OR COLLAR

HAND PLACE MATERIAL AROUND PIPE TO PROVIDE SOLID SUPPORT

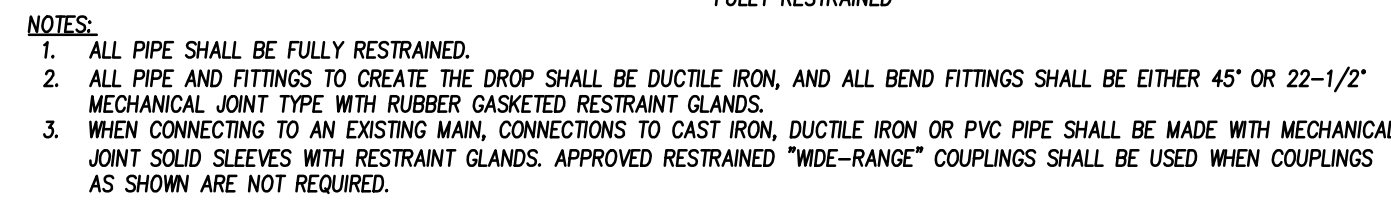
SUPPORT PIPE ON CONCRETE BLOCKS, GROUT PADS OR OTHER APPROVED METHODS, TWO SUPPORTS FOR EACH JOINT OF PIPE.

DO NOT CURB NOT TO EXCEED PIPE WALL

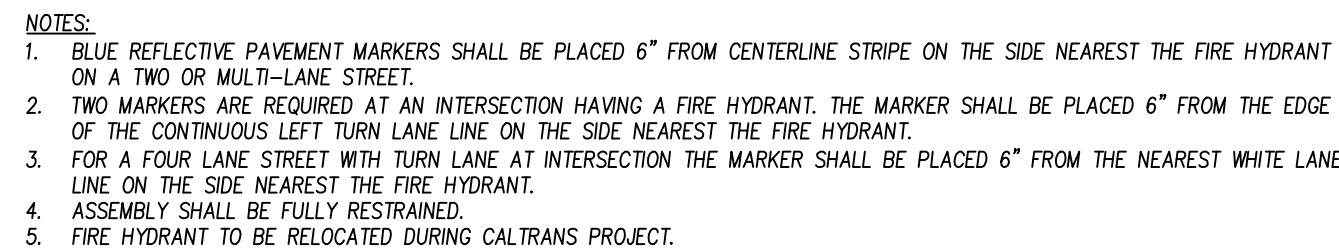
✓	 BEN EN TRUSTED ENGINEERING ADVISORS	Bennett Engineering Services 1082 Sunrise Avenue, Suite 100 Roseville, CA 95661 (916) 783-4100 www.ben-en.com	
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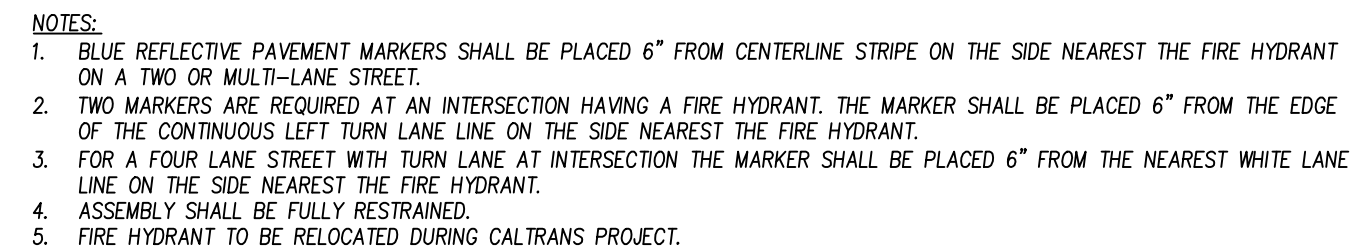
	GRIDLEY SR-99 WATER RELOCATION PROJECT
	STANDARD DETAILS



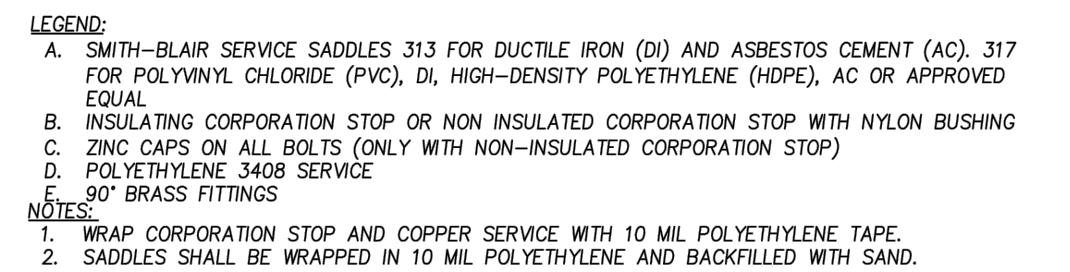
2 EX WATER MAIN TIE IN AT OBERMEYER
- 1" = 2'



MODIFIED FIRE HYDRANT INSTALLATION AT OBERMYER



MODIFIED FIRE HYDRANT INSTALLATIONS SOUTH OF ARCHER



NO.	REVISION DATE	BY	SADDLE DETAIL	APPROVED BY: DAVID HARDEN 		
				CITY ENGINEER RCE 84216		
				CITY OF GRIDLEY DEPARTMENT OF PUBLIC WORKS		W-11
DRAWN BY: A. HOLLADAY CHECKED BY: D. HARDEN SCALE: NONE DATE: 08/25/23						

C-7A

9
-OF-
12