



5661 South Ironwood Drive | Apache Junction, Arizona 85120  
(480) 941-6754 | Fax (480) 671-3180 | [www.ajsewer.org](http://www.ajsewer.org)

## **BID PACKAGE**

### **PROJECT 24.06 AJSD Sewer Replacement**

**Issue Date: May 29, 2024**

**Bids for this Project are due by:**

**Thursday, June 20, 2024 at 10:00 AM**

**The prospective Bidder may obtain a copy of the District's Standard Specifications of Construction**

## NOTICE AND CALL FOR BIDS

Apache Junction Sewer District, (the "District") will receive Bids for the Construction of the following Project:

### **PROJECT 24.06 AJSD Sewer Replacement**

The bids will be used by the District to award a Contract for the construction of the Work which consists in part of the following:

Apache Junction Sewer District seeks bidders to relocate and replace sewer infrastructure located at the Central Arizona College (CAC), Superstition Mountain Campus (SMC) in Apache Junction, Arizona found in the southeast corner of Idaho Rd and Apache Trail. With additional development currently in progress, this requires the removal/abandonment of approximately 450 Linear feet of existing 8-inch sewer main and replacing the portion of sewer main with a new 10-inch polyvinyl chloride (PVC) sewer main with a standard dimension ratio (SDR) of 35; and the reconnection of sewer services to one existing building. Further details can be found on the District website by visiting [www.ajsewer.org](http://www.ajsewer.org).

Bids will be received until 10:00 am local time on Thursday, June 20, 2024 at the District office, 5661 S. Ironwood Dr., Building A, Apache Junction, Arizona 85120, or mailed to the same address. It is the responsibility of the Bidder to ensure delivery of the bid. Late bids will not be considered. Any late bid received will remain the property of the District. Bids will be opened at the District office and publicly read aloud immediately after the hour of closing.


For a bid to be considered, Bidders must complete all required documents. Instructions to Bidders, Proposal forms, Project drawings and specifications, and the Construction Contract may be obtained at the District's website, [www.ajsewer.org](http://www.ajsewer.org), or the District's office, Building A, between 7:00 am and 4:00 pm, Monday through Friday. All information and bids submitted by Bidders will be made available for public inspection at the District's office following the award of the Contract.

It shall be mandatory on the Contractor to whom the Contract is awarded, and upon any Subcontractor under them, to comply in every respect with the applicable provisions of the Arizona Revised Statutes and with all other requirements of the laws of Arizona and the City of Apache Junction applicable to contracts for the construction of public works.

The District reserves the right to reject any or all Proposals and waive any irregularities in any Proposal if such action is determined by the District, in its sole discretion, to be in the interest of the District.

Apache Junction Sewer District is an equal-opportunity employer and minority, and women's business enterprises are encouraged to submit bids on this Project.

DATED: **May 29, 2024**

Apache Junction Sewer District  
By:   
Darron Anglin, District Manager

Apache Junction Sewer District  
5661 S. Ironwood Dr.  
Apache Junction, AZ 85120  
(480) 941-6767

## **INSTRUCTIONS TO BIDDERS**

### **PROJECT 24.06 AJSD Sewer Replacement**

- 1. Definitions**
- 2. Project Description**
- 3. Examination of Bid Documents**
- 4. Qualification of Bidders**
- 5. Disqualification of Bidders**
- 6. Preparation of Bid Proposals**
- 7. Disclosure Requirement**
- 8. Submission of Bid Proposal**
- 9. Consideration of Bid Proposals**
- 10. Award of Contract**
- 11. Notice to Proceed**
- 12. Bonds**
- 13. Certificates of Insurance**
- 14. Permits, Fees, and Licenses**
- 15. Interpretation of Documents**
- 16. Completion Date**
- 17. Liquidated Damages**
- 18. Subcontractors**
- 19. Pre-Bid Construction Meeting**
- 20. Guarantees**
- 21. Prevailing Wage**
- 22. Utility Locations**
- 23. Acceptance of Project**
- 24. Payment**
- 25. Safety**
- 26. City Sales Tax**
- 27. Construction Staking**
- 28. Exhibits**

**Forms:**                    BID UNDERSTANDING & AGREEMENT  
                                  COST PROPOSAL  
                                  EXCEPTIONS - ADDITIONS - CORRECTIONS  
                                  LIST OF SUBCONTRACTORS  
                                  CERTIFICATE OF INSURANCE  
                                  STATUTORY PERFORMANCE BOND  
                                  STATUTORY PAYMENT BOND

Apache Junction Sewer District

**INSTRUCTIONS TO BIDDERS**

**PROJECT 24.06  
AJSD Sewer Replacement**

To be considered, Bids must be made in accord with these Instructions to Bidders.

**1. DEFINITIONS**

A. BIDDER

Bidder shall mean any person, corporation or other entity who submits a bid proposal to the Apache Junction Sewer District pursuant to these documents.

B. SUCCESSFUL BIDDER

Successful Bidder shall mean the person or entity who submits a bid which the District determines is the lowest qualified Bidder and/or the best qualified Bidder and to whom the District awards the bid.

C. CONTRACTOR

A Contractor shall mean an individual, corporation or other entity to which the contract is awarded to do the work as specified in the contract documents.

D. DISTRICT

The District means the Apache Junction Sewer District.

E. WORK

Any or all of the improvements or construction services mentioned and authorized to be made and all expenses, labor, materials, permits, equipment, utilities, transportation, and management necessary or incidental thereto.

**2. PROJECT DESCRIPTION**

Work to be done under the contract consists of providing each and every item of expense necessary for providing construction services, which includes:

Construction to relocate and replace sewer infrastructure located at the Central Arizona College (CAC), Superstition Mountain Campus (SMC) in Apache Junction, Arizona found in the southeast corner of Idaho Rd and Old West Hwy. With additional development currently in progress, this requires the removal/abandonment of approximately 450 Linear feet of existing 8-inch sewer main and replacing the portion of sewer main with a new 10-inch polyvinyl chloride (PVC) sewer main with a standard dimension ratio (SDR) of 35; and the reconnection of sewer services to one existing building as outlined in the Project Drawings of **Exhibit A** and Design Memo of **Exhibit B**. All work shall be subject to the District Standard Specification of Construction found on District website [www.ajsewer.org](http://www.ajsewer.org).

### **3. EXAMINATION OF BID DOCUMENTS**

The Bidder shall carefully examine and study the bid documents, including but not limited to the specifications and drawings necessary to receive the award of the Construction Contract, and is encouraged to visit the site of work to fully inform themselves as to all existing conditions and limitations. The submission of a proposal shall be evidence that the Bidder has made a thorough examination of the project and documents, and unless any exceptions, additions or corrections are noted in writing on the document Exceptions-Additions-Corrections, intends to supply each and every item of expense necessary for providing the total construction services of the project, including, but not limited to, permits, labor, materials, equipment, transportation, utilities, project coordination, oversight, management and other incidentals.

### **4. QUALIFICATION OF BIDDERS**

Each Bidder shall be licensed to do business as a contractor in the State of Arizona and shall provide a copy of their license attached with the bid form. The successful Bidder must also be licensed in the City of Apache Junction. Each Bidder shall have sufficient personnel to undertake the work, including personnel with sufficient experience and formal training to meet the OSHA definition of a Competent Person for the work to be performed. Each Bidder shall also have sufficient equipment to provide the service required by the District, and shall have a history of providing satisfactory performance for their previous customers. The District may conduct any investigation it deems necessary to determine the Bidder's performance capabilities.

### **5. DISQUALIFICATION OF BIDDERS**

The District shall have the right to reject any or all bids, before or after opening, and to reject bids not accompanied by attachments or in any way incomplete or irregular. As examples, any one of the following is sufficient grounds for the disqualification of a Bidder and rejection of its bid:

- A. Submission of more than one proposal for the same materials or equipment from an individual, firm, partnership or corporation under the same or different names.
- B. Evidence of collusion among Bidders.
- C. Failure to fully complete all parts of the bid proposal or failure to submit the proposal in accordance with the requirements of the Bid Documents.
- D. Failure to meet the qualifications for bidding or provide evidence of such qualifications when requested.

### **6. PREPARATION OF BID PROPOSAL**

All information requested on the bid proposal must be completed by the Bidder. The information must be typed or printed in ink and all numbers must be legible. The Bidder must sign the proposal correctly in ink at the space provided.

## **7. DISCLOSURE REQUIREMENT**

The Bidder must disclose as part of its bid any personal relationship it has or has had with employees, agents and other persons directly associated with the District prior to or as part of this bid. Any such disclosure shall be noted in writing on the document Exceptions-Additions-Corrections. Any such disclosure does not necessarily disqualify the Bidder.

## **8. SUBMISSION OF BID PROPOSAL**

The bid proposal together with required documents shall be submitted to the District in opaque, sealed envelopes bearing on the outside the Bidder's name and address and the Project name as denoted on the Notice and Call for Bids.

Bid proposals sent by mail shall be enclosed in a separate mailing envelope and shall be addressed to the District office. Bid proposals should be sent by registered mail, but failure to do so shall not disqualify a bid. No proposal will be considered unless received on or before the time and the place designated in the Notice and Call for Bids.

The bid proposal delivered to the District MUST contain the following in the envelope:

- BID UNDERSTANDING & AGREEMENT
- COST PROPOSAL
- EXCEPTIONS - ADDITIONS - CORRECTIONS
- LIST OF SUBCONTRACTORS
- COPY OF ARIZONA BUSINESS LICENSE

If awarded the bid, the Bidder must present the following completed forms at the time of the signing of the Construction Contract:

- CERTIFICATE OF INSURANCE
- STATUTORY PERFORMANCE BOND
- STATUTORY PAYMENT BOND
- FORM W-9

## **9. CONSIDERATION OF BID PROPOSALS**

Bids will be publicly opened and read aloud. The Bid shall be the correct summation of the items shown on the Cost Proposal. The contract for this project may be awarded to the qualified and responsible bidder whose proposal is satisfactory to the District. The District reserves the right to waive technicalities or informalities; to reject any or all proposals; and to accept the proposal deemed to be in the best interest of the District.

**Notwithstanding anything to the contrary contained herein, the District may reject the lowest bid in its sole and absolute discretion.**

## **10. AWARD OF CONTRACT**

If a contract is awarded, it will be awarded by the District on June 25, 2024. Notice to the Successful Bidder shall be reported to all Bidders. Nothing herein shall be construed to require the District to award a contract. All bids may be rejected.

## **11. NOTICE TO PROCEED**

The notice to the Successful Bidder shall serve as the District's acceptance of the proposal. Notice to Proceed with ordering the materials or equipment and scheduling work shall be obtained from the District in writing upon execution of the Construction Contract.

## **12. BONDS**

Contractor shall obtain and submit to District before any Work is performed:

### **A. Performance Bond**

The Contractor will be required to furnish non-revocable security binding the Contractor to provide faithful performance of the contract in the amount of 100% of the total Contract price payable to the District.

- a. Performance security will be in the form of a performance bond, certified check or cashier's check. If the contractor fails to execute the security document as required, the contractor may be found in default and the Contract may be terminated by the District. In case of default the District reserves all rights.
- b. All performance bonds must be executed on forms in this bid and incorporated by this reference. All performance bonds duly executed by the Bidder as Principal and having as Surety thereon a Surety Company holding a Certificate of Authority to transact surety business in the State of Arizona, by the Arizona Department of Insurance. Individual sureties are unacceptable. All Insurers and Sureties will have at the time of submission of the proposal and AM Best rating of "A-" or better.

### **B. Payment Bond**

The Contractor will be required to furnish non-revocable security for the protection of all persons supplying labor and material to the contractor or any subcontractor for the performance of any work related to the Contract. Payment security will be in the amount of 100% of the total Contract price and be payable to the District.

- a. Payment security will be in the form of a payment bond, certified check or cashier's check.
- b. All payment bonds will be executed on forms included in the Bid Document, duly executed by the Bidder as Principal and having as Surety thereon a Surety company holding a Certificate of Authority to transact surety business in the State of Arizona, by the Arizona Department of Insurance. Individual sureties are unacceptable. All Insurers and Sureties will have at the time of submission of the proposal and A.M.

Best's Key Rating Guide of "A-" or better as currently listed in the most recent Best Key Guide, published by the A.M. Best Company, payable without condition to the District.

### **13. CERTIFICATES OF INSURANCE**

Contractor shall obtain and submit to District before any Work is performed, certificates from the Contractor's insurance carriers indicating the presence of coverages and limits of liability as set forth in the Contract documents, but in no event shall the coverages and limits be less than those specified as follows:

#### **A. Workers' Compensation**

Coverage A. Statutory Benefits.  
Coverage B. Employer's Liability.

Bodily Injury by accident	\$500,000 each accident
Bodily Injury by disease	\$500,000 policy limit
Bodily Injury by disease	\$500,000 each employee

Coverage must include a Waiver of Subrogation endorsement.

#### **B. Commercial Auto Coverage**

Auto Liability limits of not less than \$1,000,000 each accident, combined Bodily Injury and Property Damage Liability insurance. Certificate to reflect coverage for "Any Auto" (Symbol 1) or "All Owned, Scheduled, Hired and Non-Owned" (Symbols 7, 8, 9).

#### **C. Commercial General Liability**

Each Occurrence Limit	\$1,000,000
Personal Injury/Advertising Injury Limit	\$1,000,000
Products/Completed Operations Aggregate Limit	\$2,000,000
General Aggregate Limit (other than Products/Completed Operations)	\$2,000,000

Coverage must include a Waiver of Subrogation endorsement.

Both policy forms must include:

- a. Premises and Operations coverage with no explosion, collapse or underground damage (XCU) exclusions and no Subsidence Exclusion.
- b. Products and Completed Operations coverage. Contractor agrees to maintain this coverage following completion of the Work and to continue to name the District as an Additional Insured for a period at least equal to the applicable statute of repose for latent defects.
- c. Blanket contractual coverage for the indemnity/hold harmless agreements assumed in this the Contract.



- d. Broad Form Property Damage coverage, including completed operations or its equivalent.
- e. An endorsement naming the District, any other party required to be named as an additional insured under the Contract Documents, and any other parties in interest as Additional Insured(s) under the coverage specified under Comprehensive General Liability or Commercial General Liability. The endorsement shall be on ISO forms CG2010 10/01 and CG2037 10/01 or equivalent. Any form that does not grant additional insured status for both the ongoing operations and products/completed operations coverages IS NOT ACCEPTABLE.
- f. An endorsement stating: "Such coverage as is afforded by this policy for the benefit of the additional insured(s) is primary and any other coverage maintained by such additional insured(s) shall be non-contributing with the coverage provided under this policy."
- g. Coverage on an "Occurrence" form. "Claims Made" and "Modified Occurrence" forms are not acceptable.
- h. Coverage to include general aggregate limits on a "per project" basis.

**D. Excess Liability**

Umbrella or Excess Liability of \$5,000,000 to extend the above liability coverages and limits to reach a total combined limit of:

Each Occurrence	\$6,000,000 (GL and Automobile)
Aggregate	\$7,000,000 (GL)

**E. Other Requirements**

- 1) All policies must be written by insurance companies whose rating, in the most recent Best's Rating Guide, is not less than A- VII. All coverage forms must be acceptable to Owner.
- 2) Certificates of Insurance with the required endorsements evidencing the required coverages must be delivered to the District prior to commencement of any Work. Failure of the District to demand such certificate or other evidence of full compliance with these insurance requirements or failure of the District to identify a deficiency from evidence that is provided shall not be construed as a waiver of the Contractor's obligation to maintain such insurance. The District shall have the right, but not the obligation, to prohibit Contractor or any of its subcontractors from entering the Project site until such certificates or other evidence that insurance has been placed in complete compliance with these requirements is received and approved by the District.
- 3) The District reserves the right, in its sole discretion, to require higher limits of liability coverage if, in the District's opinion, operations by or on behalf of Contractor create higher than normal hazards and, to require Contractor to name additional parties in interest to be Additional Insureds.
- 4) In the event that rental of equipment is undertaken to complete and/or perform the Work, Contractor agrees that it shall be solely responsible for such rental equipment.

Such responsibility shall include, but not be limited to, theft, fire, vandalism and use by unauthorized persons.

- 5) In the event that materials or any other type of personal property (“personal property”) is acquired for the Project or delivered to the Project site, Contractor agrees that it shall be solely responsible for such property until it becomes a fixture on the Project, or otherwise is installed and incorporated as a final part of the Project. Such responsibility shall include, but not be limited to, theft, fire, vandalism and use by unauthorized persons.
- 6) The District does not cover any tools or equipment owned or rented by Contractor including trailers, excavators, scaffoldings, or forms. Contractor is responsible for providing insurance coverage for such items.
- 7) If the Contract Documents provide for an Owner Controlled Insurance Program (“OCIP”) which provides coverage for the Work, the Contractor shall comply with all provisions of any such OCIP.

#### **14. PERMITS, FEES & LICENSES**

Contractor shall secure and pay for all applicable Federal, State, County or local permits and licenses including a City Business License. All subcontractors shall be licensed to do business in the State of Arizona and the City of Apache Junction.

The Contractor shall comply with all applicable provisions of the Arizona Revised Statutes and Arizona Administrative Code Rules and all other applicable legal provisions as set forth in local and Federal laws, ordinances or rules.

#### **15. INTERPRETATION OF DOCUMENTS**

Where a plan, specification or document appears ambiguous, or where any portion is not fully understood, the Contractor shall submit his question by email to [bids@ajsewer.org](mailto:bids@ajsewer.org). The subject line of the email must reference the Project Number and Name as denoted on the Notice and Call for Bids. Verbal explanations shall not be binding.

#### **16. COMPLETION DATE**

Based on a Notice to Proceed date of June 26, 2024, this project must be completed by August 16, 2024.

#### **17. LIQUIDATED DAMAGES**

Time is of the essence in the Contract. Failure to complete the work by August 16, 2024, to the satisfaction of the District will cause a loss to the District. Bidder hereby acknowledges that such loss could cause District resulting damages. Consequently, liquidated damages per Maricopa Association of Governments (MAG) Uniform Standard Specifications and Details for Public Works Construction Table 108-1 will be deducted from the final payment for each calendar day the work is incomplete after August 16, 2024. Upon failure to complete the Work within the time specified, the District has the right to terminate the Contract and hire a new Contractor to complete the Work.

## **18. SUBCONTRACTORS**

The Contractor must list the names, address and telephone number of any subcontracting firm retained for the project on the form provided in the Bid Proposal package. All Subcontractors must be licensed to do business in the State of Arizona and the City of Apache Junction.

## **19. PRE-BID CONSTRUCTION MEETING**

No pre-bid construction meeting is required for this project.

## **20. GUARANTEES**

The Contractor shall warrant to the District that materials and equipment furnished under the Contract will be of good quality and new, and that the Work will be free from defects not inherent in the quality required or permitted, and that the Work will conform with the requirement of the Contract Documents. Work not conforming to these requirements, including substitutions not properly approved and authorized, may be considered defective.

The Contractor shall guarantee all labor and workmanship and any materials it installs for a period of one (1) year following the date of completion and acceptance by the District. The guarantee will not apply to normal wear and tear, and defects caused by abuse.

If any portion(s) of the Work or any of the materials become defective within the guarantee period, the District will notify the Contractor of the defect. The Contractor must repair the defect within fifteen (15) days of such notification. If repairs are not completed within this time period, the District may repair the defect, or cause the defect to be repaired, and the cost of the repairs shall be paid by the Contractor. The District reserves the right to determine which defects are the result of poor labor and workmanship and which are caused by defective materials. The guarantee period on any defect of the Work that is repaired or replaced shall be one (1) year following the date of the repair or replacement.

## **21. PREVAILING WAGE**

The minimum rate of wage for all laborers and mechanics employed by the Contractor or any Subcontractor on the project shall be as required by State or Federal law.

## **22. UTILITY LOCATIONS**

The Contractor is responsible for coordinating with private utilities and Blue Stake for utility locations.

## **23. ACCEPTANCE OF PROJECT**

Upon notice that the Work is ready for final inspection or acceptance, the District's authorized representative shall promptly make an inspection. When the District's authorized representative finds the Work acceptable under the terms of the Contract Documents, the Contractor shall submit an invoice to the District for the balance due the Contractor.

## **24. PAYMENT**

The Contract sum shall be the total amount payable by the District to the Contractor for the performance of the Work under the Contract Documents with the addition of changes authorized by properly executed Change Orders. Upon completion of the Work, the District will, after receipt of proper invoice, pay the amount due the Contractor. If the District believes that additional work such as clean-up is required, it may deduct the total cost of such additional work from the amount to be paid to the Contractor.

## **25. SAFETY**

The Work is to be governed at all times by applicable provisions of both State and federal laws, which laws include, but are not limited to, the latest amendments to the following:

- i. Federal Occupational Safety & Health Act of 1970 (P.L. Law 91-596).
- ii. State of Arizona, Occupational Safety and Health Standards for General Industry, 29 CFR Part 1910.
- iii. State of Arizona, OSHA Safety and Health Standards for the Construction Industry, 29 CFR Part 1926.

The Contractor shall provide all shoring, safety devices and protective equipment and take any other needed actions, on his own responsibility, as reasonably necessary to protect the life and the health of employees on the job, and the safety of the public. The Contractor shall provide and make available at the work site on a daily basis, an OSHA defined Competent Person for the work to be performed, that is capable of identifying existing and predictable hazards in the surroundings, or working conditions which are unsanitary, hazardous, or dangerous to employees, and who has authorization to take prompt corrective measures to eliminate them.

The Competent Person shall, on a daily basis, provide a safety inspection of the work site and quantify such inspections in a log, binder, or journal that shall be made available for District inspection.

The Contractor shall provide, erect, and maintain all necessary barricades, suitable and sufficient lights, danger signals, warning signs and other traffic control devices, and shall take all necessary precautions for the protection of the work and safety of the public in accordance with City of Apache Junction requirements.

## **26. CITY SALES TAX**

The City of Apache Junction taxes gross income received by a construction contractor within the City. The prime Contractor is responsible for the reporting and payment of any and all taxes. For further information, contact the City's Business License Clerk, at (480) 474-5070.

Gross income derived by acting as a subcontractor shall be exempt. To qualify as a subcontractor, the prime construction contractor must provide the subcontractor with a written declaration that the prime contractor is liable for the tax on the project and provides the subcontractor both his Arizona Transaction Privilege License number and his City Privilege License number.

## **27. CONSTRUCTION STAKING**

The Contractor will provide construction stakes for alignment and depth. Protection of all such points shall be the contractor's responsibility.

## **28. EXHIBITS**

The following exhibits, with reference to the scope of work in which they are first referenced, are incorporated by this reference.

Exhibit A	Project Drawings
Exhibit B	Design Memo

APACHE JUNCTION SEWER DISTRICT

**BID UNDERSTANDING & AGREEMENT**  
(REQUIRED)

PROJECT 24.06  
AJSD Sewer Replacement

**Proposal to the District Manager of the Apache Junction Sewer District located in Apache Junction, Arizona:**

In compliance with the advertisement for bids, and having examined all appropriate contract documents, site work and having become familiar with the local conditions to be met affecting the cost of the Work at the place where the Work is to be done, I/we hereby submit the following proposal for the Project, furnishing each and every item of expense for the construction services of the Work including the necessary permits, labor, materials, equipment, transportation, utilities, project coordination, oversight, management and other incidentals necessary, except as otherwise provided on the sheet titled Exceptions-Additions-Corrections.

In submitting this bid I/we agree to enter into and execute a Contract Agreement if awarded on the basis of this bid proposal, and furnish the required certificates of insurance for the completion of the Work at the location specified, and for the prices set forth on the attached Cost Proposal, amounting to \$ \_\_\_\_\_ (Dollars), all inclusive.

I/we understand that construction of the Work for this project shall be in accordance with the District's Standard Specifications of Construction, Project Specifications, plans for the Work and Special Provisions as included. The Construction Contract shall be in compliance with all applicable Local, State, and Federal codes and other requirements, except as otherwise required by the project plans and Special Provisions. I/we further understand that the construction of the Work shall be done to the complete satisfaction of the District Manager of the Apache Junction Sewer District.

This proposal is submitted by \_\_\_\_\_,  
 a corporation organized under the laws of the State of \_\_\_\_\_.  
 a partnership consisting of \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
 or an individual trading such as \_\_\_\_\_.

and is the holder of Arizona State Contractor's License No. \_\_\_\_\_, Classification: \_\_\_\_\_.

Respectfully submitted by:

\_\_\_\_\_  
Signature    Print Name    Title

\_\_\_\_\_  
Mailing Address    City    State    Phone

APACHE JUNCTION SEWER DISTRICT

**COST PROPOSAL**

(REQUIRED)

PROJECT 24.06  
AJSD Sewer Replacement

**BIDDER:** \_\_\_\_\_

	DESCRIPTION	ESTIMATED QUANTITY	UNITS	UNIT PRICE	TOTAL
1.	Cut & cap sewer, existing to remain. Fill with grout & abandon in place.	5	EA		
2.	Remove tree	3	EA		
3.	Reconnect 6" Sewer service line, PVC SDR 35, and connect to cleanout	12	LF		
4.	10" Sewer line, PVC SDR 35	471	LF		
5.	5' DIA Sewer manhole MAG STD DET 420-1, 420-3, 422 & 424-2	4	EA		
6.	Connect to existing sewer at manhole reshape existing manhole DET 1 sheet C3.1	2	EA		
7..	Provide performance and payment bond for 100% of contract amount	1	Lump Sum		
	<b>TOTAL</b>				\$

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Date

APACHE JUCTION SEWER DISTRICT

**EXCEPTIONS - ADDITIONS – CORRECTIONS**

(OPTIONAL)

PROJECT 24.06  
AJSD Sewer Replacement

**BIDDER:** \_\_\_\_\_

For uniformity comparison purposes, all previous documents shall be completed as received from the Apache Junction Sewer District of Apache Junction. Should the Bidder wish to note any exceptions, additions, or corrections, do so separately on this page and submit with bid.

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APACHE JUNCTION SEWER DISTRICT

**LIST OF SUBCONTRACTORS**

(REQUIRED)

PROJECT 24.06  
AJSD Sewer Replacement

**BIDDER:** \_\_\_\_\_

**SUBCONTRACTOR #1**

Firm: \_\_\_\_\_

Address: \_\_\_\_\_

Telephone: \_\_\_\_\_

Principal: \_\_\_\_\_

**SUBCONTRACTOR #2**

Firm: \_\_\_\_\_

Address: \_\_\_\_\_

Telephone: \_\_\_\_\_

Principal: \_\_\_\_\_

**SUBCONTRACTOR #3**

Firm: \_\_\_\_\_

Address: \_\_\_\_\_

Telephone: \_\_\_\_\_

Principal: \_\_\_\_\_

**SUBCONTRACTOR #4**

Firm: \_\_\_\_\_

Address: \_\_\_\_\_

Telephone: \_\_\_\_\_

Principal: \_\_\_\_\_

**CERTIFICATE OF INSURANCE**

PROJECT 24.06  
AJSD Sewer Replacement

The \_\_\_\_\_ certifies that the following insurance policies have been issued on behalf of:

Name of Insured: \_\_\_\_\_

Address of Insured: \_\_\_\_\_

<b>INSURANCE</b>	<b>POLICY NO.</b>	<b>EFFECTIVE</b>	<b>EXPIRATION</b>	<b>LIMITS</b>
Workman's Compensation				\$500,000 / \$500,000 / \$500,000
Contractual Bodily Injury & Property Damage				\$1,000,000 Each Occurrence \$2,000,000 Aggregate
Automobile Bodily Injury & Property Damage				\$1,000,000 Each Person \$1,000,000 Each Occurrence

It is further agreed that these policies shall not expire, be canceled or changed except as permitted in the Contract Documents. If a policy does expire during the life of the contract, a renewal Certificate of the required coverage must be sent to the District not less than five (5) days prior to the expiration date. This Certificate is not valid unless signed by an authorized representative of the Insurance Company.

Insurance by: \_\_\_\_\_ Date: \_\_\_\_\_  
Signature

Printed Name: \_\_\_\_\_

Title: \_\_\_\_\_



5661 South Ironwood Drive | Apache Junction, Arizona 85120  
(480) 941-6754 | www.ajsewer.org

**ARIZONA STATUTORY PERFORMANCE BOND**

**PURSUANT TO TITLE 34, ARIZONA REVISED STATUTES  
(Penalty of this bond must be 100% of this CONTRACT amount)**

**KNOW ALL MEN BY THESE PRESENTS THAT:**

\_\_\_\_\_  
(hereinafter "Principal"), as Principal, and;

\_\_\_\_\_  
(hereinafter "Surety"), a corporation organized and existing under the laws of the State of \_\_\_\_\_ within its principal offices in the City of \_\_\_\_\_ holding a certificate of authority to transact surety business in Arizona issued by the Director of the Department of Insurance pursuant to Title 20, Chapter 2, Article 1, as Surety, are held and firmly bound unto Apache Junction Sewer District (hereinafter "Obligee"), in the amount, for the payment whereof, Principal and Surety bind themselves, and their heirs, administrators, executors, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the Principal has entered into certain written CONTRACT with the Obligee on \_\_\_\_\_ for: \_\_\_\_\_ which contract is hereby referred to and made a part hereof as fully and to the same extent as if copied at length herein.

WHEREAS, payment will be made by Surety to Obligee upon failure of Principal to faithfully perform and fulfill all the undertakings, covenants, terms, conditions and agreements of the Contract regarding the performance of the contract and presentation of such to Surety by a claim stating that: "The Principal is in default, such condition has existed for over 90 days, and the Obligee is hereby exercising its rights under bond no. \_\_\_\_\_." which has been prepared and signed by the Obligee's representative and witnessed by a notary.

NOW, THEREFORE, THE CONDITION OF THE OBLIGATION IS SUCH, that if the Principal faithfully performs and fulfills all of the undertakings, covenants, terms, conditions and agreements of the contract during the original term of the contract and any extension of the contract with or without notice to the Surety, and during the life of any guaranty agreements of all duly authorized modifications of the contract that may hereafter be made, notice of which modifications to the Surety being hereby waived, the above obligation is void. Otherwise it remains in full force and effect.

PROVIDED, HOWEVER, that this bond is executed pursuant to the provisions of Title 34, Chapter 2, Article 2, Arizona Revised Statutes, and all liabilities on this bond will be determined in accordance with the provisions, conditions and limitations of Title 34, Chapter 2, Article 2, Arizona Revised Statutes, to the same extent as if it were copied at length in this agreement.

The prevailing party in a suit on this bond will recover as part of the judgement reasonable attorney fees that may be fixed by a judge in the court.

Witness this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_

By \_\_\_\_\_  
Principal

By \_\_\_\_\_  
Surety



5661 South Ironwood Drive | Apache Junction, Arizona 85120  
(480) 941-6754 | www.ajsewer.org

**ARIZONA STATUTORY PAYMENT BOND**

**PURSUANT TO TITLE 34, ARIZONA REVISED STATUTES  
(Penalty of this bond must be 100% of this CONTRACT amount)**

**KNOW ALL MEN BY THESE PRESENTS THAT:**

\_\_\_\_\_  
(hereinafter "Principal"), as Principal, and;

\_\_\_\_\_  
(hereinafter "Surety"), a corporation organized and existing under the laws of the State of \_\_\_\_\_ within its principal offices in the City of \_\_\_\_\_ holding a certificate of authority to transact surety business in Arizona issued by the Director of the Department of Insurance pursuant to Title 20, Chapter 2, Article 1, as Surety, are held and firmly bound unto Apache Junction Sewer District (hereinafter "Obligee"), in the amount of \_\_\_\_\_, for the payment whereof, Principal and Surety bind themselves, and their heirs, administrators, executors, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the Principal has entered into certain written CONTRACT with the Obligee on \_\_\_\_\_ which contract is hereby referred to and made a part hereof as fully and to the same extent as if copied at length herein.

NOW, THEREFORE, THE CONDITION OF THE OBLIGATION IS SUCH, that if the Principal promptly pays all monies due to all persons supplying labor or materials to the Principal or the Principal's subcontractors in the prosecution of the work provided for in the contract, this obligation is void. Otherwise it remains in full force and effect.

PROVIDED, HOWEVER, that this bond is executed pursuant to the provisions of Title 34, Chapter 2, Article 2, Arizona Revised Statutes, and all liabilities on this bond will be determined in accordance with the provisions, conditions and limitations of Title 34, Chapter 2, Article 2, Arizona Revised Statutes, to the same extent as if it were copied at length in this agreement.

The prevailing party in a suit on this bond will recover as part of the judgement reasonable attorney fees that may be fixed by a judge in the court.

Witness this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_

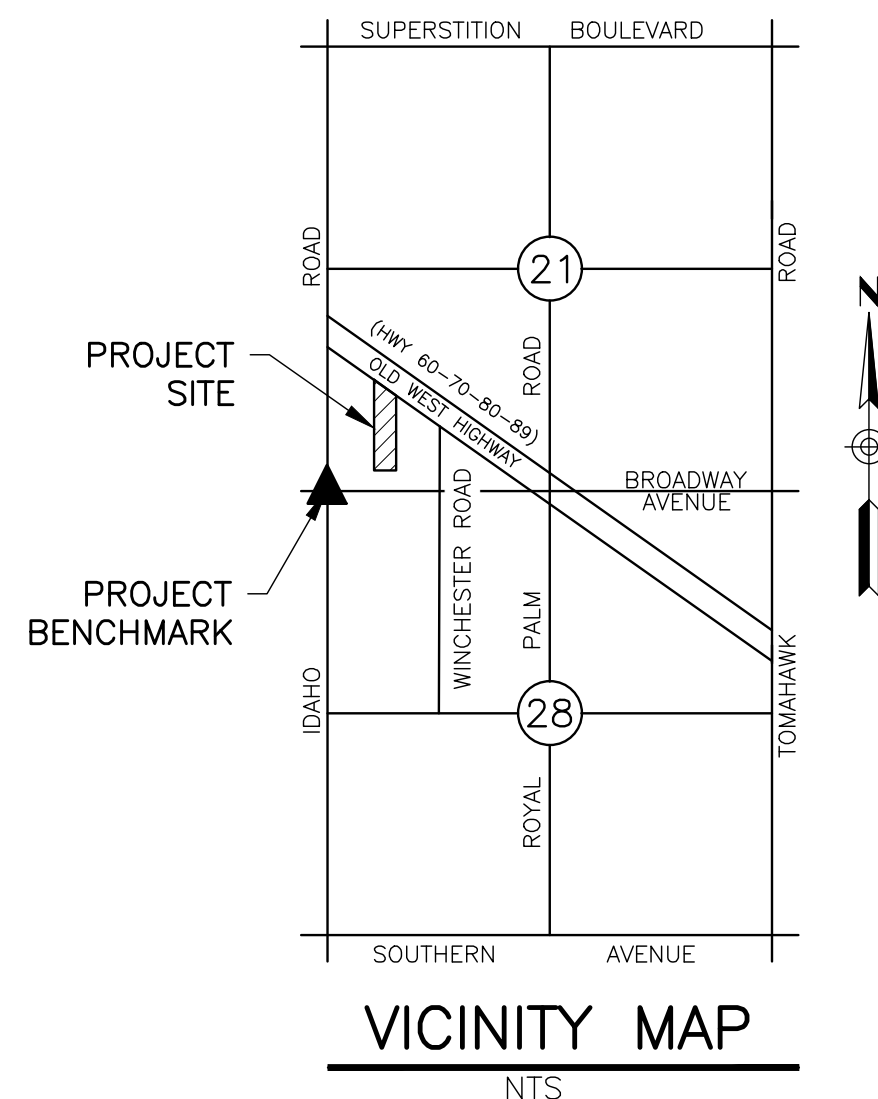
By \_\_\_\_\_  
Principal

By \_\_\_\_\_  
Surety

# AJSD SEWER REPLACEMENT

## CENTRAL ARIZONA COLLEGE SUPERSTITION MOUNTAIN CAMPUS

A PORTION OF THE SOUTHWEST QUARTER OF SECTION 21 AND THE NORTHWEST QUARTER OF SECTION 28 TOWNSHIP 1 NORTH, RANGE 8 EAST, OF THE GILA AND SALT RIVER BASE AND MERIDIAN, PINAL COUNTY, ARIZONA



### LEGEND

EXST	NEW
BENCHMARK	BACKFLOW PREVENTER
BRASS CAP FLUSH	DRYWELL
BRASS CAP IN HANDHOLE	FIRE HYDRANT
BACKFLOW PREVENTER	FIRE DEPT CONNECTION
DRYWELL	GATE/DOOR
FIRE HYDRANT	HEADWALL
FIRE DEPT CONNECTION	MANHOLE (TYPE NOTED)
GRATE	METER (TYPE NOTED)
GUY WIRE	PIPE PLUG
HEADWALL	RIPRAP
MANHOLE (TYPE NOTED)	SIGN
METER (TYPE NOTED)	STREET LIGHT
PULLBOX (TYPE NOTED)	VALVE
RIPRAP	CENTERLINE
SIGN	EASEMENT
STREET LIGHT	LIMITS OF CONSTRUCTION
TREE	RIGHT-OF-WAY
UTILITY POLE	FENCE CHAINLINK
VALVE (TYPE NOTED)	MASONRY WALL
EASEMENT	MAJOR CONTOUR
PROPERTY LINE	MINOR CONTOUR
RIGHT-OF-WAY	STORM DRAIN
FENCE CHAINLINK	UTILITY LINE (TYPE NOTED)
MASONRY WALL/RETAINING WALL	
MAJOR CONTOUR	
MINOR CONTOUR	
UTILITY LINE (TYPE NOTED)	

### FLOOD ZONE DESIGNATION

ZONE AH - AREAS SUBJECT TO INUNDATION BY 1-PERCENT-ANNUAL-CHANCE SHALLOW FLOODING (USUALLY AREAS OF PONDING) WHERE AVERAGE DEPTHS ARE BETWEEN ONE AND THREE FEET. BASE FLOOD ELEVATIONS (BFES) DERIVED FROM DETAILED HYDRAULIC ANALYSES ARE SHOWN IN THIS ZONE. MANDATORY FLOOD INSURANCE PURCHASE REQUIREMENTS AND FLOODPLAIN MANAGEMENT STANDARDS APPLY.

### METADATA

UNITS  
COORDINATES, DISTANCES AND ELEVATIONS ARE SHOWN IN INTERNATIONAL FEET

HORIZONTAL DATUM (BASIS OF BEARINGS):  
NAD83 (2011 Epoch) ARIZONA CENTRAL ZONE, GROUND

HORIZONTAL ADJUSTMENT:  
COMBINED SCALE FACTOR (CSF): 1.0001633  
GRID NORTHING (CSF) = GROUND NORTHING  
GRID EASTING (CSF) = GROUND EASTING

VERTICAL DATUM:  
NAVD88

### BASIS OF BEARING

THE WEST LINE OF THE SOUTHWEST QUARTER OF T1N, R8E, SECTION 21 BEARING NORTH 00°14'07" WEST.

### UTILITY COMPANY SUBMITTALS

- THESE PLANS HAVE BEEN SUBMITTED TO THE UTILITY COMPANIES AS SHOWN AND THE WORK CONTAINED IN THESE PLANS HAS BEEN APPROVED BY THESE COMPANIES WITHIN THEIR AREA OF INTEREST. THE SIZE AND LOCATIONS, AS SHOWN, OF THE GAS, TELEPHONE, AND POWER LINES, AND CONNECTIONS AGREE WITH THE INFORMATION CONTAINED IN THE UTILITY COMPANY'S RECORDS. WHERE THE WORK TO BE DONE CONFLICTS WITH ANY OF THESE UTILITIES, THE CONFLICTS SHALL BE RESOLVED AS SPECIFIED IN THE SPECIAL PROVISIONS AND/OR AS OTHERWISE NOTED ON THESE PLANS. CONFLICTS ARISING DURING THE COURSE OF CONSTRUCTION FROM UNFORESEEN CIRCUMSTANCES SHALL BE REPORTED TO THE INTERESTED UTILITY COMPANY AND RESOLVED BY THEM AND THE DESIGN ENGINEER.
- THE CITY WILL NOT PARTICIPATE IN THE COST OF CONSTRUCTION OR UTILITY RELOCATION.

### UTILITY COORDINATION

UTILITY COMPANY	COMPANY REPRESENTATIVE	DATE SENT	DATE REC'D	RESPONSE
ADOT		03/22/24		
APACHE JUNCTION WATER DISTRICT	ARON BRIGGS	03/22/24		
COX		03/22/24		
CENTURYLINK	DARRON ANGLIN	03/22/24		
MEDIACOM		03/22/24		
SRP	JORDAN GAARD	03/22/24		
SOUTHWEST GAS	CAZ BLUESTAKE DESIGN	03/22/24		
APACHE JUNCTION SEWER DISTRICT	ANNE LATIMER	03/22/24		
ZAYO		03/22/24		

ABBREVIATIONS	ABBREVIATIONS
ABC AGGREGATE BASE COURSE	IRR IRRIGATION
AC ASPHALT CONCRETE	LF LINEAR FEET
ACP ASBESTOS CEMENT PIPE	MAG MARICOPA ASSOCIATION OF GOVERNMENTS
B/C BACK OF CURB	ME MATCH EXISTING
BC BRASS CAP	M MONUMENT LINE
BCF BRASS CAP FLUSH	MOD MODIFIED
BCHH BRASS CAP IN HANDHOLE	NTS NOT TO SCALE
BLDG BUILDING	OC ON CENTER
BM BENCHMARK	OHE OVERHEAD ELECTRIC
BOT BOTTOM	P PAVEMENT ELEVATION
C CONCRETE ELEVATION	PCCP PORTLAND CEMENT CONCRETE PAVEMENT
CATV CABLE TELEVISION	PH POT HOLE
CHW CHILLED WATER	PL PROPERTY LINE
CL CENTERLINE	PUE PUBLIC UTILITY EASEMENT
CMP CORRUGATED METAL PIPE	PVC POLY VINYL CHLORIDE
COMM COMMUNICATION	PVMT PAVEMENT
CONC CONCRETE	R RADIUS
CONST CONSTRUCTION	R/W RIGHT-OF-WAY
DB DUCT BANK	RCP REINFORCED CONCRETE PIPE
DET DETAIL	S SLOPE, SEWER
DIP DUCTILE IRON PIPE	SD STORM DRAIN
E/P EDGE OF PAVEMENT	SEC SECTION
EL ELEVATION	SF SQUARE FOOT
ESMT EASEMENT	SPEC SPECIFICATIONS
EXST EXISTING	STA STATION
F/C FACE OF CURB	STD STANDARD
FF FINISH FLOOR ELEVATION	STL STEEL
FG FINISH GRADE ELEVATION	SY SQUARE YARD
FL FIRE LINE, FLOWLINE	TC TOP OF CURB
FND FOUND	TCE TEMPORARY CONSTRUCTION EASEMENT
FO FIBER OPTIC	TEL TELEPHONE
FT FOOT OR FEET	TYP TYPICAL
G GUTTER ELEVATION, GAS	UNK UNKNOWN
GB GRADE BREAK	VCP VITRIFIED CLAY PIPE
GR GRADE ELEVATION	W WATER
HDPE HIGH DENSITY POLYETHYLENE	W/ WITH
INV INVERT	WM WATER METER
	WSE WATER SURFACE ELEVATION

### SHEET INDEX

C1.0 COVER
C2.1 SEWER PLAN & PROFILE
C2.2 SEWER PLAN & PROFILE
C3.1 DETAILS

### AS-BUILT CERTIFICATION

I CERTIFY THAT THE "AS-BUILT" INFORMATION SHOWN HEREON WAS OBTAINED UNDER MY DIRECT SUPERVISION AND IS CORRECT AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

NAME \_\_\_\_\_ (SEAL)

REGISTRATION NO \_\_\_\_\_ EXPIRATION DATE \_\_\_\_\_

### APPROVALS

APACHE JUNCTION SEWER DISTRICT \_\_\_\_\_ DATE \_\_\_\_\_

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY \_\_\_\_\_ DATE \_\_\_\_\_

### ▲ BENCHMARK

FOUND NGS PUBLISHED BENCHMARK G474/DU1317 DESCRIBED AS:  
NGS BRASS CAP FLUSH IN ROCK OUTCROP ON THE SOUTH SIDE OF HILL LOCATED NORTH OF PAVED PARKING LOT FOR THE JOHN CALVIN PRESBYTERIAN CHURCH  
GROUND NORTHING = 876891.485  
GROUND EASTING = 817097.347  
PUBLISHED ELEVATION = 1748.034

### ABBREVIATIONS

### ENGINEER'S GENERAL NOTES

- ALL CONSTRUCTION SHALL CONFORM WITH THE LATEST EDITION OF THE MARICOPA ASSOCIATION OF GOVERNMENTS (MAG) STANDARDS AND SPECIFICATIONS, THE PLUMBING CODE ADOPTED BY THE LOCAL JURISDICTION, AND ALL APPLICABLE CODES & ORDINANCES. WHERE SPECIFICATIONS PROVIDE OVERLAPPING REQUIREMENTS, THE MOST STRINGENT REQUIREMENT SHALL APPLY. SEE SEWER CONSTRUCTION NOTES BELOW.
- ALL CONSTRUCTION SHALL CONFORM TO THE PROJECT GEOTECHNICAL REPORT RECOMMENDATIONS & REQUIREMENTS.
- CONSTRUCTION STAKING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTOR SHALL OBTAIN ANY AND ALL PERMITS REQUIRED.
- CONTRACTOR IS RESPONSIBLE FOR ALL COSTS INCLUDING INCIDENTAL, SURVEYING & INSPECTION.
- CONTRACTOR SHALL INSTALL SIGNAGE, PAINT, PAVEMENT MARKINGS, REFLECTORS, AND OTHER REQUIRED COMPONENTS AS DIRECTED BY THE FIRE MARSHAL.
- ALL QUANTITIES SHOWN ON PLANS ARE APPROXIMATE. CONTRACTOR SHALL INDEPENDENTLY VERIFY QUANTITIES.
- CONTRACTOR SHALL WARRANT ALL WORK FOR A MINIMUM OF 1 YEAR.
- CONTRACTOR SHALL PROVIDE REPRODUCIBLE "AS-BUILT RECORD DRAWINGS" SEALED BY A REGISTERED LAND SURVEYOR TO THE OWNER PRIOR TO FINAL ACCEPTANCE OF THE WORK.
- ALL DIMENSIONS ARE FROM FACE OF CURB UNLESS OTHERWISE NOTED.

### SEWER CONSTRUCTION NOTES

- ALL SEWER WORK SHALL CONFORM TO THE LATEST REVISION OF THE STANDARD SPECIFICATIONS OF DESIGN AND CONSTRUCTION OF THE SUPERSTITION MOUNTAINS COMMUNITY FACILITIES DISTRICT NO. 1 (DISTRICT). ALL SEWER WORK OUTSIDE OF BUILDINGS SHALL BE CONSTRUCTED, INSPECTED AND APPROVED TO THE SATISFACTION OF THE DISTRICT.
- SEWER CONSTRUCTION CANNOT BEGIN UNTIL A SEWER PERMIT HAS BEEN ISSUED BY THE DISTRICT. A SEWER PERMIT CAN BE OBTAINED BY CREATING AN ACCOUNT AND APPLYING TO MYGOVERNMENTONLINE.ORG. AN ENCROACHMENT PERMIT IS REQUIRED BY THE CITY OF APACHE JUNCTION FOR WORK IN THE PUBLIC RIGHT-OF-WAY AND/OR PUBLIC UTILITY EASEMENT.
- THE DISTRICT'S INSPECTOR SHALL BE NOTIFIED 48 HOURS BEFORE SEWER SYSTEM CONSTRUCTION BEGINS. THE INSPECTOR CAN BE REACHED BY PHONE AT (480) 941-6762 OR (480) 688-5584, OR BY E-MAIL AT INSPECTOR@SMCFD.ORG. INSPECTIONS ARE REQUIRED FOR ALL SEWER CONSTRUCTION.
- THE CONSTRUCTION CONTRACTOR WILL BE LIABLE FOR ALL COSTS TO EXPOSE ANY CONSTRUCTION BURIED PRIOR TO DISTRICT INSPECTION.
- PRE-CAST, 5' DIAMETER MANHOLES ARE REQUIRED TO BE CONSTRUCTED IN GENERAL CONFORMANCE TO THE MAG UNIFORM STANDARD DETAILS 420 THROUGH 427. MANHOLE COVERS SHALL EXHIBIT THE DISTRICT'S LOGO.
- SEWER MAINS SHALL BE CONSTRUCTED OF PVC SDR-35 PIPE AND LAID TO THE SLOPES INDICATED ON THE APPROVED PLANS.
- BUILDING SERVICE LINES/LATERALS TO INDIVIDUAL UNITS LOCATED IN THE PUBLIC RIGHT OF WAY OR SEWER EASEMENT SHALL BE CONSTRUCTED OF PVC SDR-35 OR SCHEDULE 40 PIPE WITH A MINIMUM PIPELINE SLOPE OF 1.00%. BUILDING SERVICE LINE CONNECTIONS TO SEWER MAINS SHALL BE MADE WITH A SERVICE WYE FITTING PER SMCDF DETAIL NO. SM440. SADDLE TYPE FITTINGS ARE NOT ALLOWED. FOR 90 DEGREE TURNS, TWO (2) 45 DEGREE FITTINGS MUST BE USED, WITH A CLEANOUT PLACED AT THE UPSTREAM END OF EACH STRAIGHT PIPELINE SEGMENT.
- BEDDING (4") AND BACKFILL TO 12 INCHES OVER THE TOP OF THE PIPE FOR SEWER MAINS AND ALL BUILDING SERVICE LINES/LATERALS LOCATED IN THE PUBLIC RIGHT OF WAY OR SEWER EASEMENT SHALL BE 3/8" FRACTURED STONE CHIPS IN GENERAL CONFORMANCE TO THE MAG UNIFORM STANDARD SPECIFICATIONS SECTION 716 (LOW VOLUME). NO OTHER MATERIAL IS ALLOWED FOR THIS PURPOSE.
- ELECTRONIC LOCATING DEVICES (MARKER BALLS) ARE REQUIRED ON ALL NEW SEWER SERVICE TAPS BEING INSTALLED ON SEWER MAINS. ELECTRONIC MARKER BALLS SHALL BE 4" IN DIAMETER, WASTEWATER STANDARD FREQUENCY AND GREEN IN COLOR. THE DEVICE SHALL BE INSTALLED PER SM440 AND IN ACCORDANCE WITH THE MANUFACTURER'S DIRECTIONS. THE FINAL DEPTH OF THE MARKER BALL SHALL BE BETWEEN 2 AND 4 FEET BELOW FINAL GRADE. THE DISTRICT SUPPLIES THE MARKER BALL AS PART OF THE CONNECTION PERMIT PROCESS.
- THE ENTIRE LENGTH OF SEWER MAINS SHALL BE TESTED FOR DEFLECTION USING A 5% MANDREL.
- ENTIRE LENGTH OF SEWER MAINS SHALL BE LOW-PRESSURE AIR-TESTED PER "STANDARD TEST METHOD FOR INSTALLATION OF ACCEPTANCE OF PLASTIC GRAVITY SEWER LINES USING LOW-PRESSURE AIR" PUBLISHED BY THE AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM DESIGNATION F1417-92(2005)).
- INSTALLED MANHOLES SHALL BE TESTED USING THE "STANDARD TEST METHOD FOR CONCRETE SEWER MANHOLES BY NEGATIVE AIR PRESSURE (VACUUM) TEST" PUBLISHED BY THE AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM DESIGNATION C1244-05A(1)).
- AFTER ALL INFRASTRUCTURE CONSTRUCTION IS COMPLETED, INCLUDING PAVING, THE SEWER SYSTEM SHALL BE CLEANED TO THE DISTRICT'S SATISFACTION AND AT NO COST TO THE DISTRICT.
- ENTIRETY OF THE INTERIOR OF THE SEWER SYSTEM MAINS MAY BE INSPECTED BY THE DISTRICT USING A VIDEO CAMERA. RESULTS OF ANY INSPECTION WILL BE RECORDED TO DEMONSTRATE COMPLIANCE WITH SEWER UNIFORM SLOPE TEST REQUIREMENTS PER ARIZONA ADMINISTRATIVE CODE R18-9-E301.D.2.K. ANY FLAWS DISCOVERED DURING INSPECTION IN THE MATERIALS, PIPE SLOPE, CONSTRUCTION OF THE PIPELINE, MANHOLES AND/OR INSTALLATION OF CLEANOUTS MUST BE FIXED, AT NO COST TO THE DISTRICT, BEFORE THE DISTRICT WILL GIVE FINAL WRITTEN APPROVAL OF THE CONSTRUCTION.
- THE SEWER SYSTEM WILL BE PLUGGED AND REMAIN ISOLATED FROM THE DISTRICT'S EXISTING SEWER COLLECTION SYSTEM UNTIL ALL PROVISIONS OF THE COLLECTION MAIN EXTENSION AGREEMENT HAVE BEEN MET BY THE DEVELOPER AND THE DISTRICT HAS ISSUED A LETTER OF ACCEPTANCE OF THE SYSTEM.

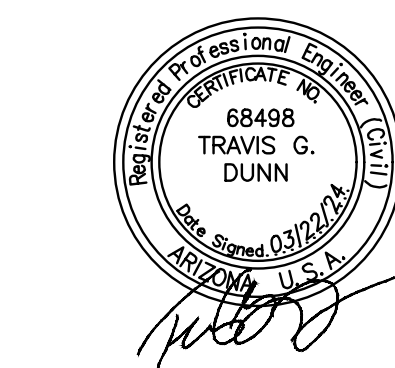


1640 South Stapley Drive,  
Suite 120  
Mesa, AZ 85204  
Phone: 480.757.7876  
Contact: Travis Dunn, P.E.

AJSD SEWER REPLACEMENT  
CENTRAL ARIZONA COLLEGE: SUPERSTITION MOUNTAIN CAMPUS

CONSTRUCTION DOCUMENTS

Issued for \_\_\_\_\_ Rev. \_\_\_\_\_ Date \_\_\_\_\_

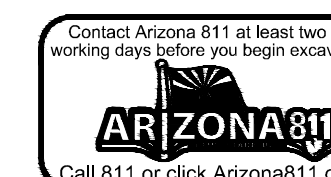


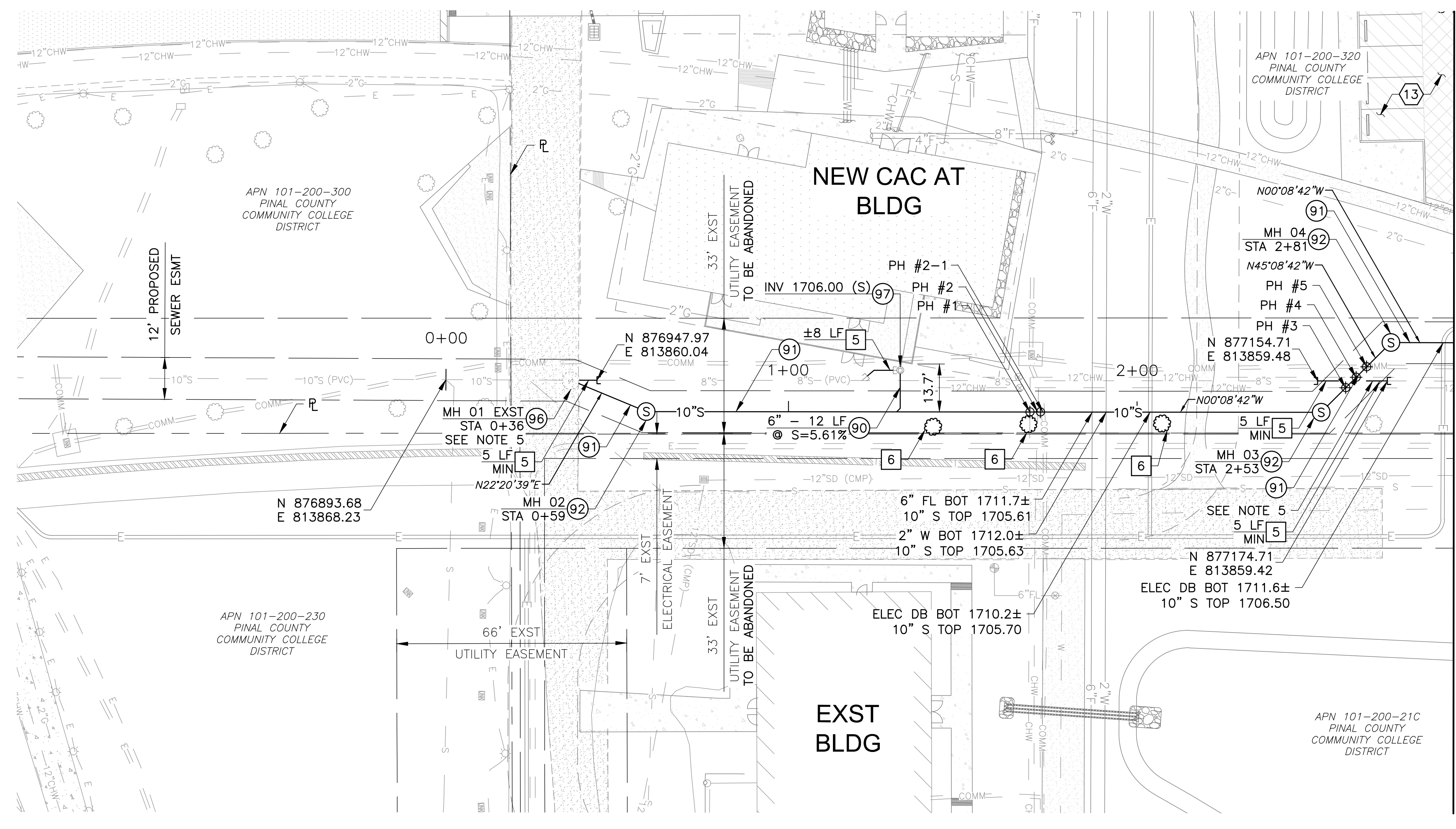
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Designed: TGD Drawn: CJN Checked: TGD

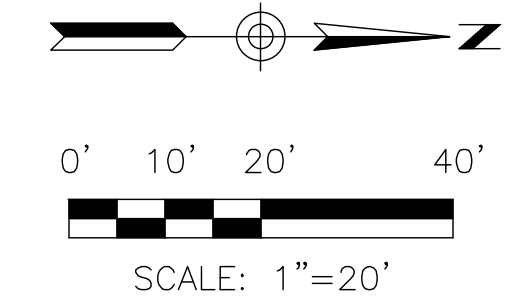
Drawing Title  
**COVER**

Dwg No. **C1.0**





MATCH LINE STA 3+00 SEE SHEET C2.2



REMOVAL NOTES	
5	REMOVE EXST SEWER CUT & CAP EXST TO REMAIN FILL W/GROUT & ABANDON IN PLACE
6	REMOVE TREE

CONSTRUCTION NOTES	
90	SEWER SERVICE LINE, PVC SDR 35 12 LF SIZE PER PLAN
91	SEWER LINE, PVC SDR 35 264 LF SIZE PER PLAN
92	5' DIA SEWER MANHOLE 3 EA MAG STD DET 420-1, 420-3, 422 & 424-2
96	CONNECT TO EXST SEWER AT MANHOLE 1 EA RESHAPE EXST MANHOLE DET 1, SHEET C3.1
97	CONNECT TO EXST SEWER SERVICE 1 EA AT CLEANOUT

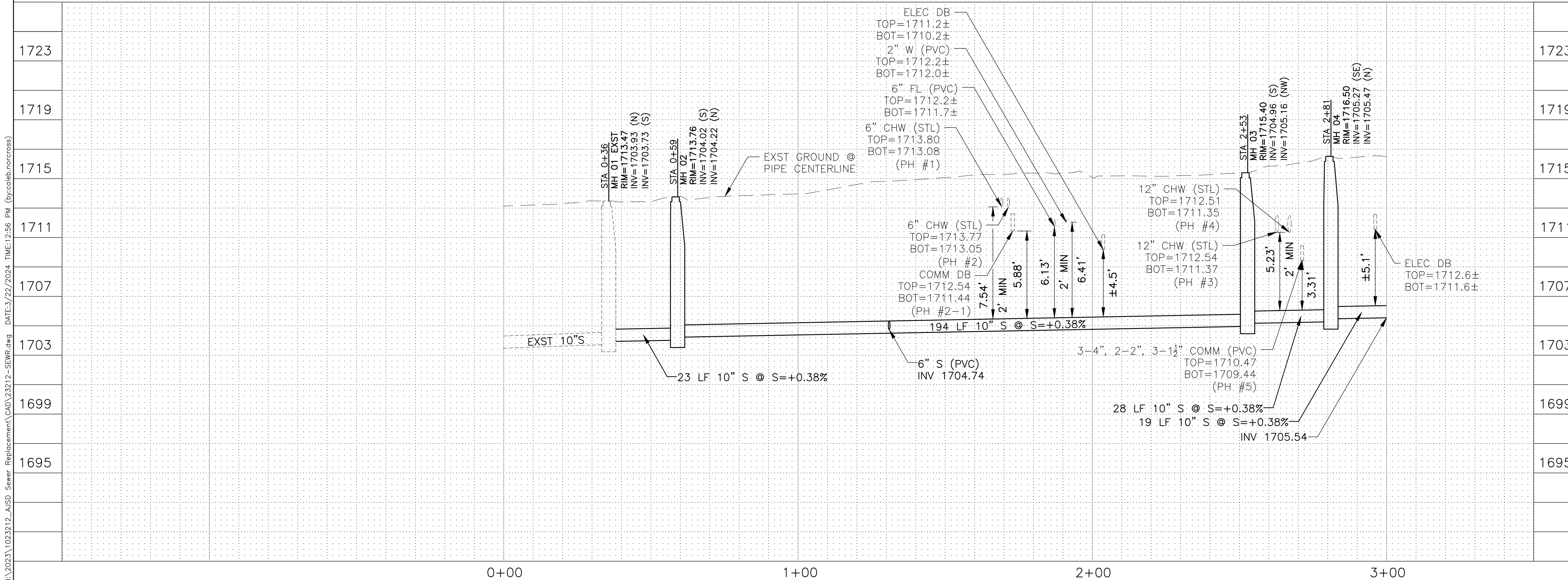
REFERENCE NOTES	
13	PROPOSED PARKING LOT UNDER SEPERATE PROJECT

**DIBBLE**

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- NOTES:
- EXISTING UTILITIES ARE SHOWN WITH BEST AVAILABLE INFORMATION. NOT ALL UTILITIES MAY BE SHOWN. CONTRACTOR SHALL VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
  - NO DEEP-ROOTED SHRUBS, TREES, LIGHTS, POLES, STRUCTURES, ETC. ALLOWED IN EASEMENTS OR ABOVE UNDERGROUND UTILITIES.
  - ANY CROSSING BETWEEN WATER AND SEWER PIPES SHALL ADHERE TO REQUIREMENTS OF MAG STANDARD DETAIL 404.
  - TRENCH BACKFILL AND SURFACE REPLACEMENT SHALL ADHERE TO REQUIREMENTS OF MAG STANDARD DETAIL 200. TYPE "D" SHALL BE USED FOR AREAS OUTSIDE FUTURE PAVEMENT AND TYPE "E" SHALL BE USED FOR AREAS WITHIN FUTURE PAVEMENT.
  - CONTRACTOR TO TRENCH AND INSTALL NEW 10" SEWER MAIN PRIOR TO DEMOLITION OF EXISTING 8" SEWER MAIN. FOLLOWING THE INITIAL SEWER INSTALLATION, CONTRACTOR SHALL INSTALL A TEMPORARY BYPASS SYSTEM TO MAINTAIN SERVICE DURING MANHOLE MODIFICATIONS, CUTOVER EXISTING 8" SEWER ALIGNMENT BETWEEN MH 03 AND MH 04, AND REMOVAL/ABANDONMENT OF EXISTING 8" SEWER. BYPASS SYSTEM SHALL BE REMOVED ONCE NEW SEWER IS OPERATIONAL.

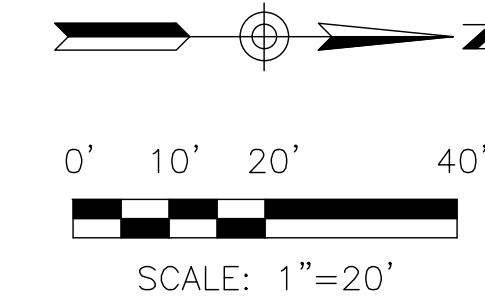
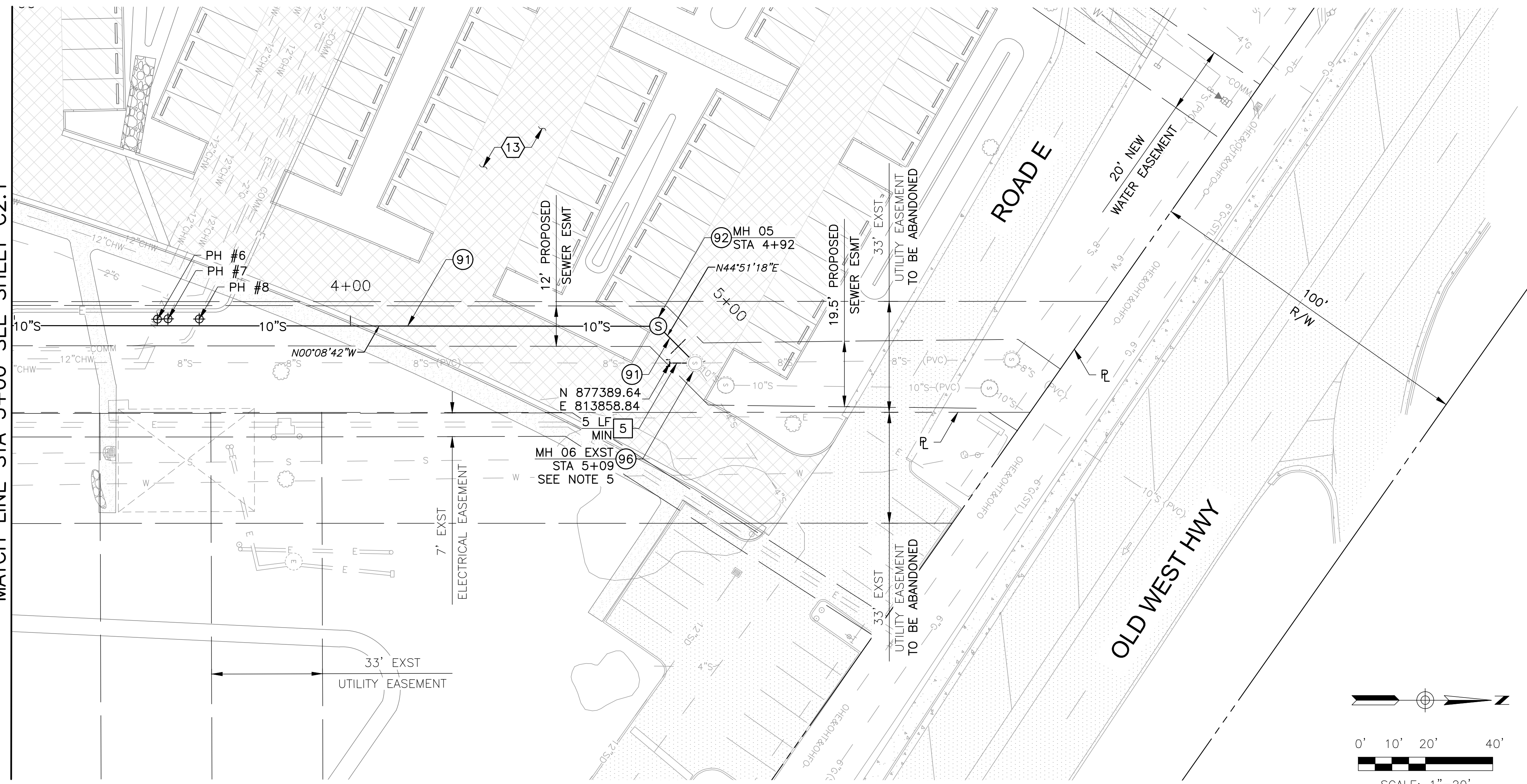
Project No. **1023212**

Designed: TGD Drawn: CJN Checked: TGD

Drawing Title  
**SEWER PLAN & PROFILE**

Dwg No. **C2.1**

MATCH LINE STA 3+00 SEE SHEET C2.1



REMOVAL NOTES

- 5 REMOVE EXST SEWER CUT & CAP EXST TO REMAIN FILL W/GROUT & ABANDON IN PLACE

CONSTRUCTION NOTES

- 91 SEWER LINE, PVC SDR 35 SIZE PER PLAN 207 LF
- 92 5' DIA SEWER MANHOLE MAG STD DET 420-1, 420-3, 422 & 424-2 1 EA
- 96 CONNECT TO EXST SEWER AT MANHOLE RESHAPE EXST MANHOLE DET 1, SHEET C3.1 1 EA

REFERENCE NOTES

- 13 PROPOSED PARKING LOT UNDER SEPERATE PROJECT

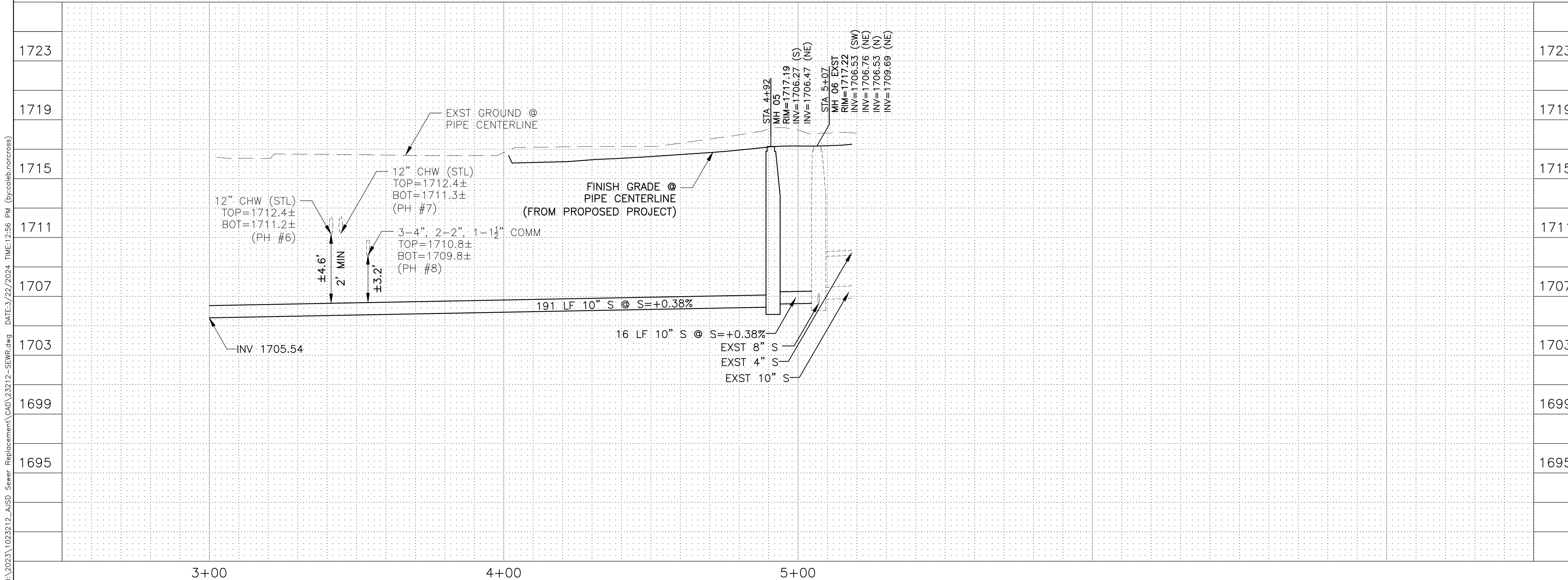
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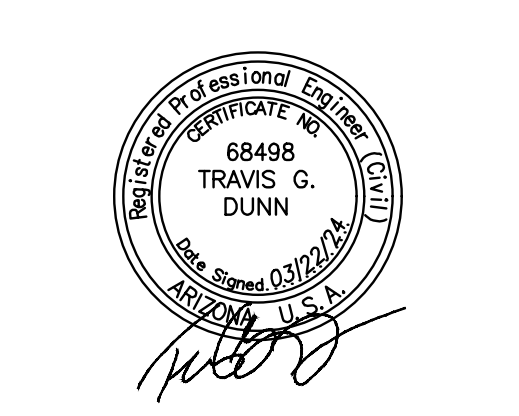
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CENTRAL ARIZONA COLLEGE: SUPERSTITIION MOUNTAIN CAMPUS

**CONSTRUCTION DOCUMENTS**

Issued for \_\_\_\_\_  
Rev. \_\_\_\_\_ Date \_\_\_\_\_



- NOTES:
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  2. NO DEEP-ROOTED SHRUBS, TREES, LIGHTS, POLES, STRUCTURES, ETC. ALLOWED IN EASEMENTS OR ABOVE UNDERGROUND UTILITIES.
  3. ANY CROSSING BETWEEN WATER AND SEWER PIPES SHALL ADHERE TO REQUIREMENTS OF MAG STANDARD DETAIL 404.
  4. TRENCH BACKFILL AND SURFACE REPLACEMENT SHALL ADHERE TO REQUIREMENTS OF MAG STANDARD DETAIL 200. TYPE "D" SHALL BE USED FOR AREAS OUTSIDE FUTURE PAVEMENT AND TYPE "E" SHALL BE USED FOR AREAS WITHIN FUTURE PAVEMENT.
  5. CONTRACTOR TO TRENCH AND INSTALL NEW 10" SEWER MAIN PRIOR TO DEMOLITION OF EXISTING 8" SEWER MAIN. FOLLOWING THE INITIAL SEWER INSTALLATION, CONTRACTOR SHALL INSTALL A TEMPORARY BYPASS SYSTEM TO MAINTAIN SERVICE DURING MANHOLE MODIFICATIONS, CUTOVER THROUGH EXISTING 8" SEWER ALIGNMENT BETWEEN MH 03 AND MH 04, AND REMOVAL/ABANDONMENT OF EXISTING 8" SEWER. BYPASS SYSTEM SHALL BE REMOVED ONCE NEW SEWER IS OPERATIONAL.

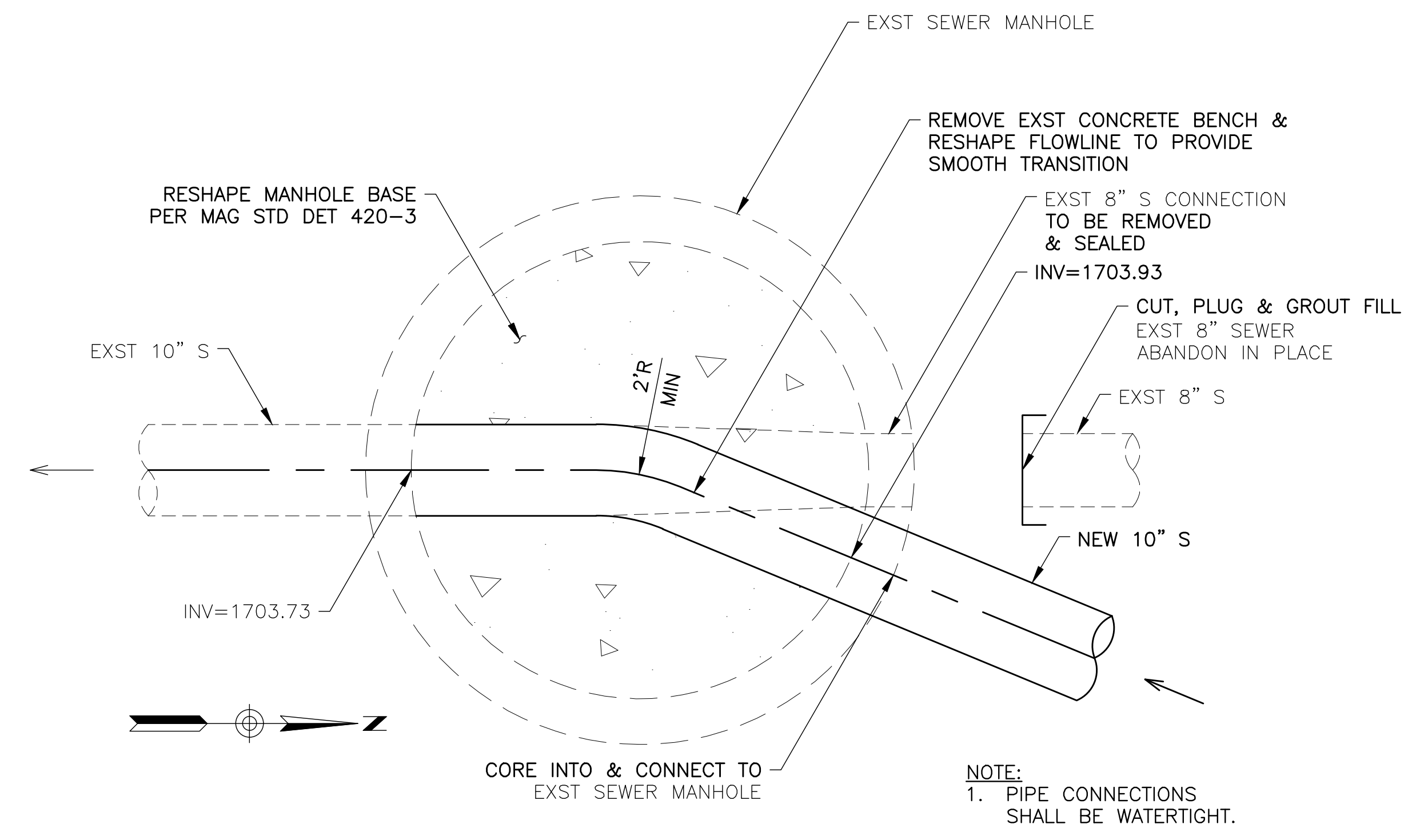


Project No. **1023212**

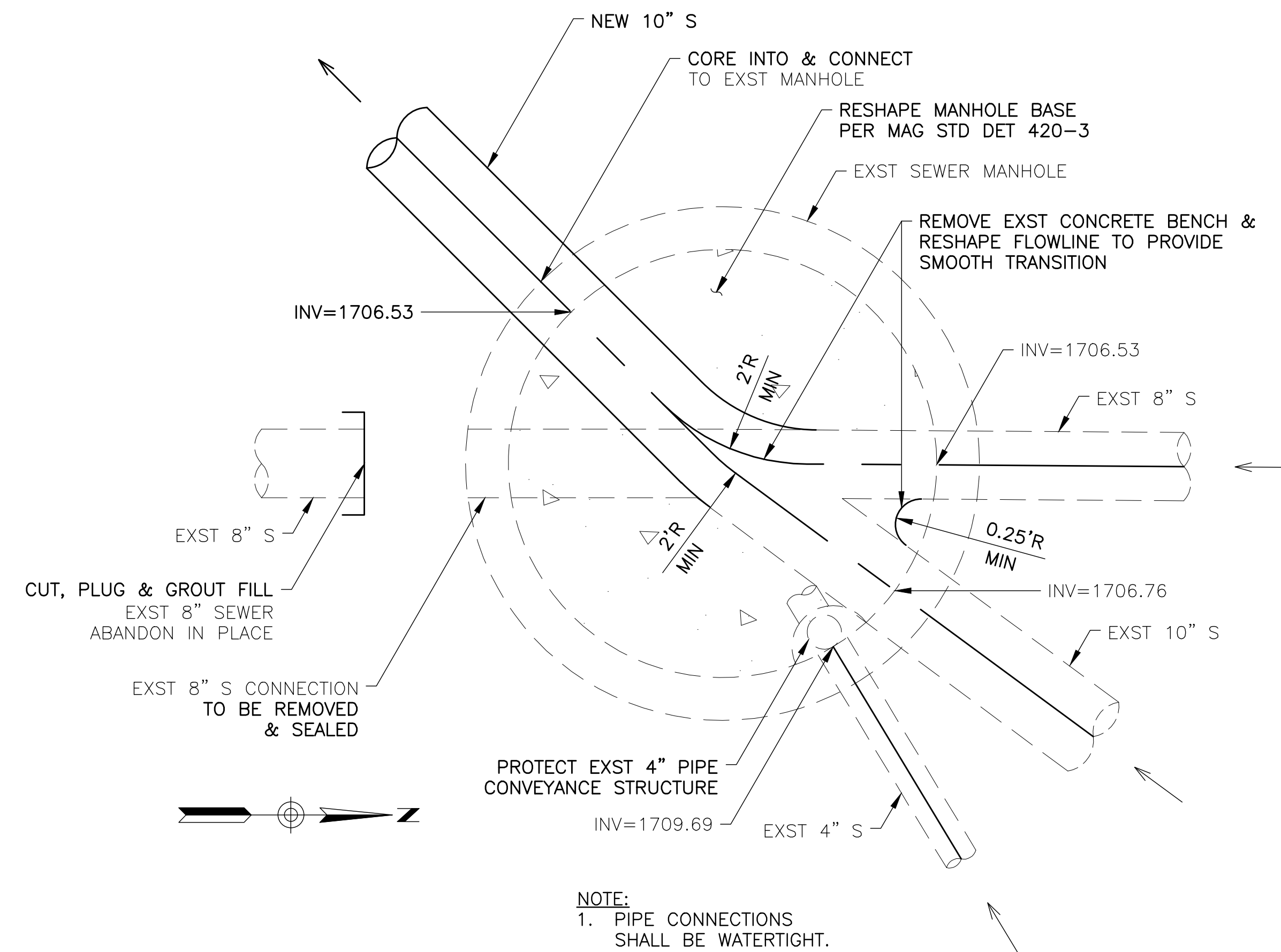
Designed: TGD Drawn: CJN Checked: TGD

Drawing Title  
**SEWER PLAN & PROFILE**

Dwg No. **C2.2**



EXST SOUTH MANHOLE CONNECTION



EXST NORTH MANHOLE CONNECTION

① CONNECT TO EXST SEWER MANHOLE  
NTS

AJSD SEWER REPLACEMENT  
CENTRAL ARIZONA COLLEGE: SUPERSTITION MOUNTAIN CAMPUS  
CONSTRUCTION DOCUMENTS

Issued for \_\_\_\_\_ Rev. \_\_\_\_\_ Date \_\_\_\_\_

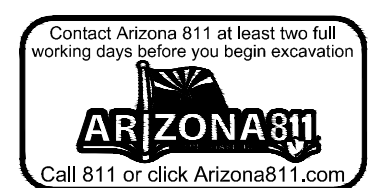


Project No. 1023212

Designed: TGD Drawn: CJN Checked: TGD

Drawing Title  
DETAILS

Dwg No. C3.1





## Memorandum

**To:** Anne Latimer, AJSD **Date:** March 22, 2024

**Copy:** Darron Anglin, AJSD

**From:** Travis G Dunn, Dibble **Dibble Proj. No:** 1023212

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**Subject:** AJSD CAC Sewer Relocation Design Memo

### PROJECT DESCRIPTION

This sewer memo has been prepared in association with the AJSD Sewer Replacement project at the Central Arizona College CAC Superstition Mountain Campus (SMC) in Apache Junction, Arizona. The existing campus is partially developed, with additional development currently in progress. This project includes the removal/abandonment of approximately 450 linear feet of existing 8-inch sewer main and replacing that portion of sewer main with a new 10-inch polyvinyl chloride (PVC) sewer main with a standard dimension ratio (SDR) of 35. The project will include reconnection of one existing building sewer service.



### EXISTING CONDITION

Based on a recent system assessment, Apache Junction Sewer District (AJSD) has identified the existing 8-inch sewer main within the north portion of the CAC SMC as a section that will need to be upsized to accommodate future development in the area, including that on the campus. The existing pipe is located west of several existing campus buildings, and east of an existing campus parking lot. It is also located east of multiple new campus buildings that are currently in construction. Based on as-built drawings, the existing pipe is believed to be SDR 35 PVC.

### MATERIAL

The new sewer main will be constructed of SDR 35 PVC pipe per the Superstition Mountains Community Facilities District No. 1 (now rebranded as AJSD) *Standard Specifications of Design and Construction* (2023). SDR 35 PVC shall conform to the requirements of ASTM D3034, Maricopa Association of Governments (MAG) Standard Specifications Section 745, and Section 3.1 of the AJSD Standard Specifications.

### INSTALLATION

All new sewer pipe shall be installed in accordance with the MAG Standard Specification Section 615, *Sanitary Sewer Line Construction* and Section 4.0 of the AJSD Standard Specifications, *System Construction*.

The new manholes shall be installed in accordance with MAG Standard Details 420-1, 420-3, 422, and 424-2. Manholes can be cast in place or precast. The two connections to existing manholes will require reshaping of the existing manhole bases. Those bases shall be reshaped in accordance with MAG Standard Detail 420-3.



## DESIGN STANDARDS

This project is designed in accordance with the following standards:

- *Arizona Administrative Code (AAC), Title 18, Chapter 9*
- *Maricopa Association of Governments, Uniform Standard Specifications for Public Works Construction, 2024*
- *Maricopa Association of Governments, Uniform Standard Details for Public Works Construction, 2024*
- *Superstition Mountains Community Facilities District No. 1, Standard Specifications of Design and Construction, 2023*

## DESIGN FLOWS

The new sewer has been sized at 10-inch per direction from AJSD. This direction is based on an investigation and system assessment performed in 2022, which analyzed the overall sewer system for this service area.