

**SUBMITTAL TO THE BOARD OF SUPERVISORS
COUNTY OF RIVERSIDE, STATE OF CALIFORNIA**



ITEM: 3.13
(ID # 29632)

MEETING DATE:
Tuesday, February 03, 2026

FROM : TLMA-TRANSPORTATION

SUBJECT: TRANSPORTATION AND LAND MANAGEMENT AGENCY/TRANSPORTATION:
Approval of Utility Agreement No. 001-UA-IWA between the County of Riverside Transportation Department (County) and Indio Water Authority (IWA) for relocations of utility facilities for the I-10 / Monroe Street Interchange Project. District 4. [\$969,340 Total Cost - 100% Project Funds]

RECOMMENDED MOTION: That the Board of Supervisors:

1. Approve the Utility Agreement No. 001-UA-IWA between the County of Riverside Transportation Department (County) and Indio Water Authority (IWA) for relocations of utility facilities for the I-10 / Monroe Street Interchange Project;
2. Authorize the County of Riverside Director of Transportation or their designee to execute any subsequent amendments thereto; and,
3. Authorize the Chair of the Board to execute the same.

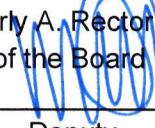
ACTION:Policy


Dennis Acuna, Director of Transportation 1/16/2026

MINUTES OF THE BOARD OF SUPERVISORS

On motion of Supervisor Washington, seconded by Supervisor Gutierrez and duly carried by unanimous vote, IT WAS ORDERED that the above matter is approved as recommended.

Ayes: Medina, Spiegel, Washington, Perez, and Gutierrez
Nays: None
Absent: None
Date: February 3, 2026
xc: Transp.

Kimberly A. Rector
Clerk of the Board
By: 
Deputy

**SUBMITTAL TO THE BOARD OF SUPERVISORS COUNTY OF RIVERSIDE,
STATE OF CALIFORNIA**

| FINANCIAL DATA | Current Fiscal Year: | Next Fiscal Year: | Total Cost: | Ongoing Cost |
|---|-----------------------------|--------------------------|---------------------------------------|---------------------|
| COST | \$ 0 | \$ 400,000 | \$ 969,340 | \$ 0 |
| NET COUNTY COST | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| SOURCE OF FUNDS: Project Funds (100%): | | | Budget Adjustment: No | |
| <p>Local (Coachella Valley Association of Governments and City of Indio, State (Local Partnership Program, State Transportation Improvement Program, Active Transportation Program), and Federal (Surface Transportation Block Grant, Community Project Funding/Congressionally Directed Spending, and Earmark).</p> <p>There are no General Funds being used in this project.</p> | | | For Fiscal Year: 25/26 - 28/29 | |

C.E.O. RECOMMENDATION: Approve

BACKGROUND:

Summary

The Monroe Street Interchange on Interstate 10 (I-10) between Jefferson Street and Jackson Street in the City of Indio serves as a major access point for surrounding residential and retail areas. Originally constructed in 1972, it now experiences congestion due to decades of growth, with traffic expected to continue increasing. Improvements to the interchange are needed to correct existing deficiencies, remove current bottlenecks, and accommodate future growth. Improving the Monroe Street interchange and the Coachella Valley Stormwater Channel (CVSC) bridge will address existing deficiencies, relieve congestion, and accommodate future development.

The City of Indio (City), in cooperation with the California Department of Transportation (Caltrans) and the Coachella Valley Association of Governments (CVAG), proposes to replace and reconstruct the existing I-10 / Monroe Street interchange (Project) with a new facility. Project improvements will include the construction of new structures crossing I-10 and the CVSC, and the construction of associated on- and off-ramps. The Project will also include pedestrian, bicycle, and golf cart facilities that are compatible with and connect to the Coachella Valley (CV)-Link active transportation pathway.

The project is located within the City's jurisdictional boundaries. The City, County, and CVAG have designated the County as the lead agency for the Project due to its extensive experience and expertise in delivering interchange projects. The Project is finalizing the final Plans, Specification, and Estimate (PS&E) phase. Construction is expected to begin in FY 26/27.

As part of this Project, Indio Water Authority (IWA) owns and maintains water utility facilities within the Project limits that require relocation to accommodate Project improvements. This Utility Agreement establishes the terms and conditions for the relocation of IWA's water facilities, the allocation of costs and responsibilities between the County and IWA, and the procedures for executing the work.

A service agreement between the County and the City was executed on January 28, 2025, assigning responsibilities for providing services to complete the Project's construction phase.

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STATE OF CALIFORNIA**

The County will be entering into a cooperative agreement with Caltrans, allowing the County to advertise, award, and administer the construction contract in February 2026.

I-10 / Monroe Street Interchange: County Project Number: C7-0048
Caltrans Project Number: EA 0K730

Impact on Residents and Businesses

The proposed improvements will improve safety and enhance operational efficiency for local, regional, and interregional traveling motorists as well as provide accommodations dedicated for pedestrians, bicycles, and Low Speed Electric Vehicles (LSEVs).

SUPPLEMENTAL:

Additional Fiscal Information

The project is responsible for relocating IWA's facilities under its future construction contract and for paying relocation costs in accordance with federal cost principles and Buy America requirements for materials it supplies. IWA is responsible for preparing utility relocation plans; providing engineering and inspection services; maintaining relocated facilities; managing cost participation through progress and final billings; and demonstrating Buy America compliance for materials it procures.

A funding agreement between the City and CVAG for the Project was approved on October 17, 2007, and subsequent Amendments 1 and 2 provided additional funding for the Project Initiation and Project Approval & Environmental Document (PA&ED) phases. Amendments 2 through 7 designated the County as the lead agency, funded the PS&E and Right-of-Way (ROW) phases, and extended the time trigger for construction start. A future amendment will define the Project and provide construction funding for it.

Contract History and Price Reasonableness

This agreement aligns with project goals and is consistent with similar projects of the same scope and duration.

ATTACHMENTS:

Utility Agreement No. 001-UA-IWA
IWA Relocation Plans
IWA Relocation Cost Estimate
Vicinity Map


Crystal Carrillo, Senior Management Analyst 1/28/2026


Aaron Gettis, Chief Deputy County Counsel 1/26/2026

ATTACHMENT 2
UTILITY AGREEMENT NO. 001-UA-IWA

Exhibit 14-F Utility Agreements

UTILITY AGREEMENTS

RIVERSIDE COUNTY TRANSPORTATION DEPARTMENT (RCTD)

UTILITY AGREEMENT

| County | Route | P.M. | Project # |
|---|-------|-------------|------------|
| Riverside | 10 | R53.2-R56.7 | 0800000368 |
| Fed. Aid. No. STPLN-5956(294) | | | |
| Owner's File Utility Agreement – Indio Water Authority (IWA) | | | |
| FEDERAL PARTICIPATION: On the Project : Yes | | | |
| On the Utilities: Yes | | | |

UTILITY AGREEMENT NO. 001-UA-IWA

The Riverside County Transportation Department hereinafter called "LOCAL AGENCY" proposes to reconstruct and widen Monroe Street at the interchange, including the existing on- and off-ramps, the Monroe Street I-10 overcrossing (I-10 OC), and the bridge over the Coachella Valley Stormwater Channel (Channel Bridge) on Monroe Street, in the City of Indio, Riverside County, California.

And: Indio Water Authority (IWA)

hereinafter called "OWNER," owns and maintains water facilities; within the limits of LOCAL AGENCY's project that requires relocation of said facilities to accommodate LOCAL AGENCY's project.

It is hereby mutually agreed that:

I. WORK TO BE DONE:

In accordance with Notice to Owner No. 01-NTO-IWA dated December 4, 2025, LOCAL AGENCY shall relocate OWNER's 12-inch water line, irrigation service, fire hydrants, water meter, valves, and meter box as shown on OWNER's Plan No. ENG-23-006 dated November 21, 2025 and OWNER's Standard Plans, which plans are included in LOCAL AGENCY's Contract Plans for the improvement of the I-10/Monroe Street Interchange which, by this reference, are made a part hereof.

Deviations from the OWNER's plan described above initiated by either the LOCAL AGENCY or the OWNER, shall be agreed upon by both parties hereto under a Revised Notice to Owner. Such Revised Notices to Owner, approved by the LOCAL AGENCY and agreed to/acknowledged by the OWNER, will constitute an approved revision of the OWNER's Plan described above and are hereby made a part hereof. No work under said deviation shall commence prior to written execution by the OWNER of the Revised Notice to Owner. Changes in the scope of the work will require an amendment to this Agreement in addition to the revised Notice to Owner. OWNER shall have the right to inspect the work by LOCAL AGENCY's contractor during construction. Upon completion of the work by LOCAL AGENCY, OWNER agrees to accept ownership and maintenance of the constructed facilities, except in the case of liability determined pursuant to Water Code 7034 or 7035.

In accordance with Notice to Owner No. 01-NTO-IWA dated December 4, 2025, OWNER shall prepare their relocation plans. Any revision to the OWNER's plan described above, after approval by the LOCAL AGENCY, shall be agreed upon by both parties hereto under a Revised Notice to Owner. Such Revised Notices to Owner, approved by the LOCAL AGENCY and agreed to/acknowledged by the OWNER, will constitute an approved revision of the OWNER's plan described above and are hereby made a part hereof. No redesign or additional engineering, after approval by the LOCAL AGENCY, shall commence prior to written execution by the OWNER of the Revised Notice to Owner and may require an amendment to this Agreement in addition to the Revised Notice to Owner.

II. LIABILITY FOR WORK

Existing facilities are located in their present position pursuant to rights superior to those of the LOCAL AGENCY and will be relocated at LOCAL AGENCY's expense.

III. PERFORMANCE OF WORK

OWNER shall have access to all phases of the relocation work to be performed by LOCAL AGENCY, as described in Section I above, for the purpose of inspection to ensure that the work is in accordance with the specifications contained in the Highway Construction Contract; however, all questions regarding the work being performed will be directed to LOCAL AGENCY's Resident Engineer for their evaluation and final disposition.

Use of personnel requiring lodging and meal "per diem" expenses will not be allowed without prior written authorization by LOCAL AGENCY's representative. Requests for such authorization must be contained in OWNER's estimate of actual and necessary relocation costs. OWNER shall include an explanation why local employee or contract labor is not considered adequate for the relocation work proposed. Per Diem expenses shall not exceed the per diem expense amounts allowed under the California Department of Human Resources travel expense guidelines.

Engineering services for locating, preparation of plans, specifications, estimates, supervision, inspection are to be furnished by the Utility Owner and approved by the LOCAL AGENCY. Cost principles for determining the reasonableness and allowability of OWNER's costs shall be determined in accordance with 48 CFR, Chapter 1, Subpart E, Part 31; 23 CFR, Chapter 1, Part 645; and 18 CFR, Chapter 1, Parts 101, 201 and OMB Circular A-87, as applicable.

IV. PAYMENT FOR WORK

The OWNER shall pay its share of the actual cost of said work included in the LOCAL AGENCY's highway construction contract within 90 days after receipt of LOCAL AGENCY's bill; compiled on the

basis of the actual bid price of said contract. The estimated cost to OWNER for the work being performed by the LOCAL AGENCY's highway contractor is \$969,340.

In the event actual final relocation costs as established herein are less than the sum of money advanced by OWNER to LOCAL AGENCY, LOCAL AGENCY hereby agrees to refund to OWNER the difference between said actual cost and the sum of money so advanced. In the event that the actual cost of relocation exceeds the amount of money advanced to LOCAL AGENCY, in accordance with the provisions of this Agreement, OWNER hereby agrees to reimburse LOCAL AGENCY said deficient costs upon receipt of an itemized bill as set forth herein.

Not more frequently than once a month, but at least quarterly, OWNER will prepare and submit detailed itemized progress bills for costs incurred not to exceed OWNER's recorded costs as of the billing date less estimated credits applicable to completed work. Payment of progress bills not to exceed the amount of this Agreement may be made under the terms of this Agreement. Payment of progress bills which exceed the amount of this Agreement may be made after receipt and approval by STATE of documentation supporting the cost increase and after an Amendment to this Agreement has been executed by the parties to this Agreement.

The OWNER shall submit a final bill to the LOCAL AGENCY within 180/360 days after the completion of the work described in Section I above. If the STATE has not received a final bill within 360 days after notification of completion of OWNER's work described in Section I of this Agreement, and LOCAL AGENCY has delivered to OWNER fully executed Director's Deeds, Consents to Common Use or Joint Use Agreements for OWNER's facilities (if required), LOCAL AGENCY will provide written notification to OWNER of its intent to close its file within 30 days. OWNER hereby acknowledges, to the extent allowed by law, that all remaining costs will be deemed to have been abandoned. If the LOCAL AGENCY processes a final bill for payment more than 360 days after notification of completion of OWNER's work, payment of the late bill may be subject to allocation and/or approval by the California Transportation Commission.

The final billing shall be in the form of an itemized statement of the total costs charged to the project, less the credits provided for in this Agreement, and less any amounts covered by progress billings. However, the LOCAL AGENCY shall not pay final bills, which exceed the estimated cost of this Agreement without documentation of the reason for the increase of said cost from the OWNER and approval of documentation by LOCAL AGENCY. Except, if the final bill exceeds the OWNER's estimated costs solely as the result of a revised Notice to Owner as provided for in Section I, a copy of said revised Notice to Owner shall suffice as documentation.

In any event if the final bill exceeds 125% of the estimated cost of this Agreement, an amended Agreement shall be executed by the parties to this Agreement prior to the payment of the OWNERS final bill. Any and all increases in costs that are the direct result of deviations from the work described in Section I of this Agreement shall have the prior concurrence of LOCAL AGENCY.

Detailed records from which the billing is compiled shall be retained by the OWNER for a period of three years from the date of the final payment and will be available for audit in accordance with Contract Cost Principles and Procedures as set forth in 48 CFR, Chapter 1, Subpart E, Part 31 by LOCAL AGENCY and/or Federal Auditors. In performing work under this Agreement, OWNER agrees to comply with the Uniform System of Accounts for Public Utilities found at 18 CFR, Parts 101, 201, et al., to the extent they are applicable to OWNER doing work on the project that is the subject of this agreement, the contract cost principles and procedures as set forth in 48 CFR, Chapter 1, Part 31, et seq., 23 CFR, Chapter 1, Part 645 and 2 CFR, Part 200, et al. If a subsequent State and/or Federal audit determines payments to be unallowable, OWNER agrees to reimburse AGENCY upon receipt of AGENCY billing. If OWNER is

subject to repayment due to failure by Local Public Agency (LPA) to comply with applicable laws, regulations, and ordinances, then LPA will ensure that OWNER is compensated for actual cost in performing work under this agreement.

V. GENERAL CONDITIONS

OWNER shall submit a Notice of Completion to the LOCAL AGENCY within 30 days of the completion of the work described herein.

Where OWNER has prior rights in areas which will be within the highway right of way and where OWNER's facilities will remain on or be relocated on LOCAL AGENCY highway right of way, a Joint Use Agreement or Consent to Common Use Agreement shall be executed by the parties.

It is understood that said highway is a federal aid highway and accordingly, 23 CFR, Chapter 1, Part 645 is hereby incorporated into this Agreement.

OWNER understands and acknowledges that this project is subject to the requirements of the Buy America law (23 U.S.C., Section 313) and applicable regulations, including 23 CFR 635.410 and FHWA guidance, and will demonstrate Buy America compliance by collecting written certification(s) from the vendor(s) or by collecting written certification(s) from the manufacturer(s) mill test report (MTR). Certification(s) should state, "All manufacturing processes for these steel and iron materials, including the application of coatings have occurred in the United States. All manufacturing processes means melting of the steel through final manufacturing of steel components."

All documents obtained to demonstrate Buy America compliance will be held by the OWNER for a period of three (3) years from the date of final payment to the OWNER and will be made available to STATE or FHWA upon request.

One set of copies of all documents obtained to demonstrate Buy America compliance will be attached to, and submitted with, the final invoice.

This does not include products for which waivers have been granted under 23 CFR 635.410 or other applicable provisions or excluded material cited in the Department's guidelines for the implementation of Buy America requirements for utility relocations issued on December 3, 2013

If, in connection with OWNER's performance of the Work hereunder, LOCAL AGENCY provides to OWNER any materials that are subject to the Buy America Rule, LOCAL AGENCY acknowledges and agrees that LOCAL AGENCY shall be solely responsible for satisfying any and all requirements relative to the Buy America Rule concerning the materials thus provided (including, but not limited to, ensuring and certifying that said materials comply with the requirements of the Buy America Rule).

LOCAL AGENCY further acknowledges that OWNER, in complying with the Buy America Rule, is expressly relying upon the instructions and guidance (collectively, "Guidance") issued by LOCAL AGENCY and its representatives concerning the Buy America Rule requirements for utility relocations within the State of California. Notwithstanding any provision herein to the contrary, OWNER shall not be deemed in breach of this Agreement for any violations of the Buy America Rule if OWNER's actions are in compliance with the Guidance.

IN WITNESS WHEREOF, the above parties have executed this Agreement the day and year above written.

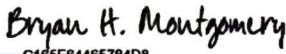
**RIVERSIDE COUNTY
TRANSPORTATION DEPARTMENT**

By: 

Dennis Acuna
Local Agency Director

Date: 1/20/2026

INDIO WATER AUTHORITY

Signed by:

By: C165E84465784D8...


Bryan H. Montgomery
City Manager/IWA Executive Director

Date: 12/18/2025

**NOTE: THIS AGREEMENT REFLECTS THE CONDITIONS OF UTILITY
RELOCATION AS OF THE DATE SIGNED ABOVE.
THIS AGREEMENT IS SUBJECT TO CHANGE BASED ON THE
FINALIZATION OF UTILITY RELOCATION DETAILS.**

Distribution: 1) Owner, 2) Utility Coordinator, 3) DLAE –File, 4) District Utility Coordinator – File

FORM APPROVED COUNTY COUNSEL

BY: 

STEPHANIE K. NELSON DATE

INDIO WATER AUTHORITY IN THE COUNTY OF RIVERSIDE, CALIFORNIA

I-10 MONROE STREET WATER LINE RELOCATION

MONROE STREET, INDIO, CA 92201

**100% SUBMITTAL
MARCH 2025**

SUMMARY OF QUANTITIES

| ITEM NO. | ITEM DESCRIPTION | UNIT OF MEASURE | EST. QUANTITY |
|----------|--|-----------------|---------------|
| 1 | MOBILIZATION & DEMOBILIZATION, INCLUDING BONDS, INSURANCE, SCHEDULE OF VALUES (NOT TO EXCEED 10% OF THE TOTAL BID PRICE) | LS | 1 |
| 2 | FURNISH AND PLACE ALL MATERIALS AND LABOR TO PROVIDE A COMPLETE ASPHALT REPAIR IN ACCORDANCE WITH AGENCY REQUIREMENTS AND AS SHOWN ON THE DRAWINGS TO PROVIDE A FINISHED AND UNIFORM PAVEMENT SURFACE. | SY | 170 |
| 3 | PROVIDE AND INSTALL ALL EXCAVATION SAFETY MEASURES IN ACCORDANCE WITH STATE LABOR CODE SECTIONS 6705 AND 6707, TRENCH EXCAVATION PLAN REQUIREMENT AND SHEETING, SHORING AND BRACING. | LS | 1 |
| 4 | FURNISH AND INSTALL RESTRAINED 12-INCH DIP CLASS 350, AND ALL FITTINGS IN ACCORDANCE WITH THE CONTRACT PLANS AND SPECIFICATIONS | LF | 1252 |
| 5 | PRESSURE TEST AND DISINFECT THE INSTALLED PIPELINE IN ACCORDANCE WITH THE CONTRACT SPECIFICATIONS. | LS | 1 |
| 6 | PROVIDE AND INSTALL 12-INCH BUTTERFLY VALVE PER IWA STANDARD DRAWING 713D, E, AND F | EA | 4 |
| 7 | PROVIDE AND INSTALL 2-INCH AIR VACUUM AND AIR RELEASE VALVE ASSEMBLY | EA | 1 |
| 8 | COMPLETE CONNECTIONS TO THE EXISTING PIPELINES AT STATION 36+27.42 IN ACCORDANCE WITH THE CONTRACT PLANS AND SPECIFICATIONS. | LS | 1 |
| 9 | COMPLETE CONNECTIONS TO THE EXISTING PIPELINES AT STATION 48+47.45 IN ACCORDANCE WITH THE CONTRACT PLANS AND SPECIFICATIONS. | LS | 1 |
| 10 | FURNISH AND INSTALL 12" EXPANSION-DEFLECTION FITTING | EA | 6 |
| 11 | FURNISH AND INSTALL 20-INCH STEEL CASING UTILIZING OPEN CUT TRENCH INSTALLATION METHOD | LF | 140 |

INDIO WATER AUTHORITY BOARD OF DIRECTORS

| | |
|-------------------------|------------------|
| PRESIDENT/ MAYOR | GLEN MILLER |
| VICE PRESIDENT | ELAINE HOLMES |
| COMMISSIONER | WAYMOND FERMON |
| COMMISSIONER | OSCAR ORTIZ |
| COMMISSIONER | BENJAMIN GUITRON |

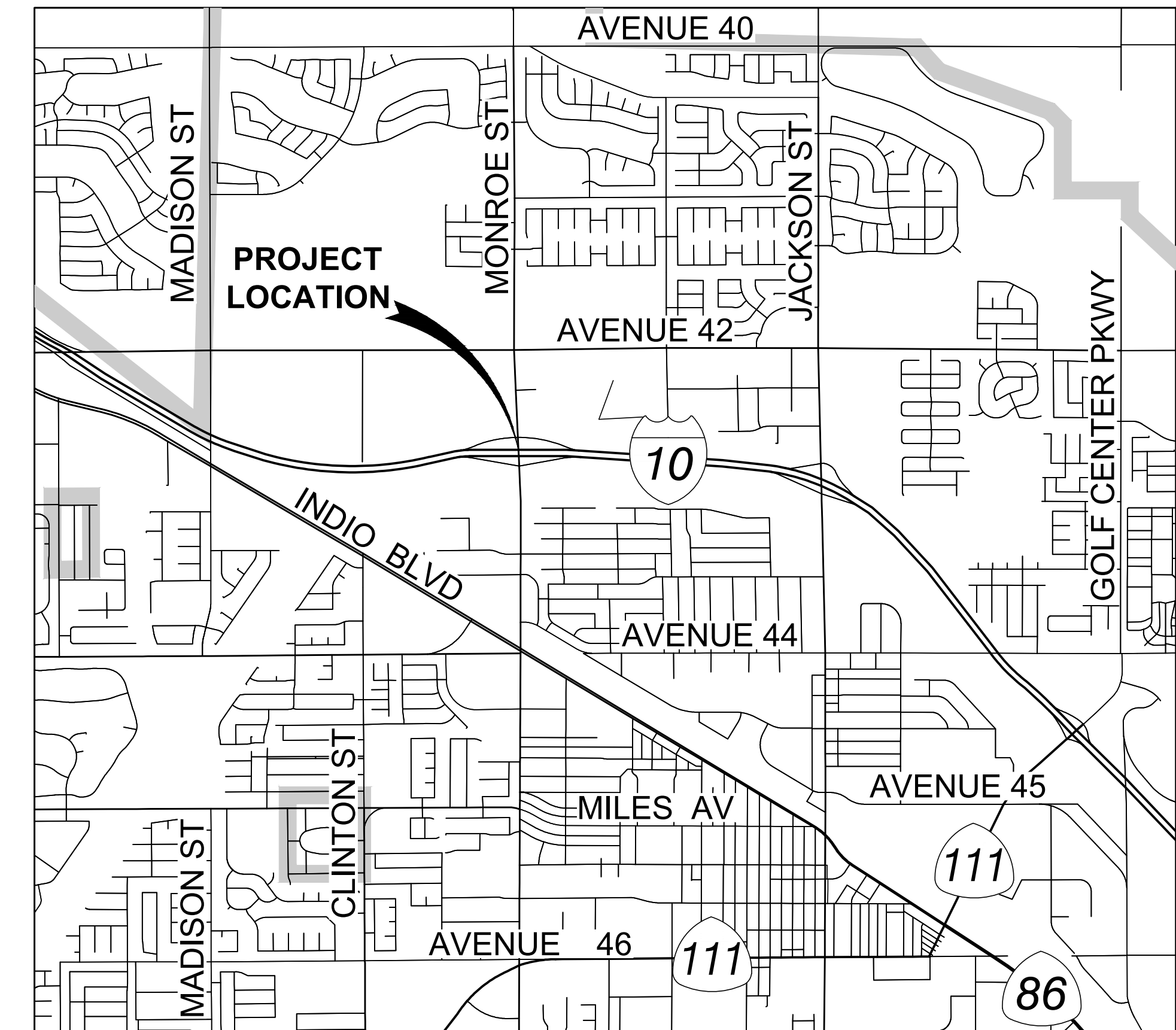
EXECUTIVE DIRECTOR AND MANAGEMENT

| | |
|-------------------------------|----------------------|
| CITY MANAGER | BRIAN H. MONTGOMERY |
| IWA GENERAL MANAGER | REYMUENDO TREJO P.E. |
| DIRECTOR OF FINANCE | RUBY WALLA |
| DIRECTOR OF CITY CLERK | SABDI SANCHEZ |

SHEET INDEX

| SHEET | DRAWING | TITLE |
|-------|---------|---|
| 1 | G-1 | SUMMARY OF QUANTITIES, IWA BOARD OF DIRECTORS, EXECUTIVE DIRECTORS AND MANAGEMENT, LOCATION MAP, SHEET INDEX, LOCATION MAP AND BENCHMARK. |
| 2 | G-2 | GENERAL WATER NOTES, ABBREVIATIONS, LEGENDS, WORK TO BE DONE AND CROSS REFERENCING SYSTEM. |
| 3 | W-1 | PLAN AND PROFILE AND DETAIL |
| 4 | W-2 | PLAN AND PROFILE AND DETAIL |
| 5 | D-1 | DETAILS CHANNEL CROSSING BRIDGE |
| 6 | D-2 | DETAILS OVERCROSSING BRIDGE |
| 7 | D-3 | IWA UTILITIES |

VICINITY MAP SCALE: 1"=2000'



BENCH MARK

THIS PROJECT IS BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
BENCHMARK: NGS T-15, PID: DX0691
ELEVATION: -12.05', PER NGS DATA SHEET.
*ADDED 500.00' TO ALL ELEVATIONS TO AVOID WORKING WITH NEGATIVE ELEVATIONS (-12.05' + 500.00') = 487.95' ADJUSTED ELEVATION.
DESCRIPTION: FOUND ALUMINUM DISK, ILLEGIBLE, LOCATED IN THE CITY OF INDIO NEAR THE INTERSECTION OF BLISS AVENUE AND FARGO AVENUE, LOCATED VERTICALLY IN THE EAST FACE OF AN ABANDONED BUILDING, ±32.0' NORTHERLY OF THE CENTERLINE OF BLISS AVENUE, ±27.0' WESTERLY OF FARGO AVENUE, 1.0' ABOVE THE FINISHED SURFACE OF THE SIDEWALK, AND 3.0' NORTHERLY OF THE SOUTHEASTERLY CORNER OF THE ABANDONED BUILDING.

BASIS OF BEARINGS

THE COORDINATES AND BEARINGS SHOWN HEREON ARE BASED UPON THE CALIFORNIA COORDINATE SYSTEM OF 1983, CCS83, ZONE 6, (EPOCH 2010.00) IN ACCORDANCE WITH THE CALIFORNIA PUBLIC RESOURCES CODE SECTIONS 8801-8819; SAID COORDINATES AND BEARINGS ARE BASED LOCALLY UPON FIELD-OBSERVED TIES TO THE FOLLOWING CALIFORNIA SPATIAL REFERENCE NETWORK, OR EQUIVALENT STATIONS, PER NAD83(MSR 2011) EPOCH 2010.00 COORDINATES FROM RIVERSIDE COUNTY MAP MANUAL DATED MAY 2016.

NOTICE TO CONTRACTOR

CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.

UTILITY NOTE

ALL UNDERGROUND UTILITY LINES ARE SHOWN PER THE PLANS FURNISHED BY THE RESPECTIVE UTILITY COMPANIES. CONTRACTORS SHALL CONTACT UNDERGROUND SERVICE DIG ALERT (USA) AT 811 TO VERIFY THE UTILITIES ON SITE BEFORE COMMENCING CONSTRUCTION.

NOTE

THE CONTRACTOR SHALL POTHOLE ALL LOCATIONS OF UTILITY CROSSINGS TO VERIFY DEPTH AND LOCATION PRIOR TO BEGINNING CONSTRUCTION OF THE NEW WATER LINE SERVICES. IF CONFLICTS EXIST REQUIRING ANY ADJUSTMENTS TO THE PROPOSED WATER LINE PIPELINE GRADES, THE CONTRACTOR SHALL ADJUST THE GRADE OF THE PIPELINE TO AVOID ANY CONFLICTS. ALL COST FOR THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE VARIOUS UNIT PRICE BID ITEMS AND NO ADDITIONAL PAYMENT WILL BE ALLOWED. THE PROPOSED WATER LINE SHALL HAVE AT A MINIMUM A 1-AND 2-FOOT VERTICAL AND HORIZONTAL SEPARATION, RESPECTIVELY FROM CROSSING WITH GAS AND ELECTRICAL UTILITIES.



| REVISIONS | | | |
|-----------|----|------|---------|
| NO. | BY | DATE | REMARKS |
| | | | |
| | | | |
| | | | |
| | | | |

APPROVED BY RIVERSIDE COUNTY
DEPARTMENT OF FIRE PROTECTION

FIRE MARSHAL _____ DATE _____

CITY OF INDIO
PUBLIC WORKS APPROVAL

PLAN CHECKED BY _____ DATE _____

JUAN RAYA, P.E.
CITY ENGINEER
RCE C 68510

DESIGN BY _____

DRAWN BY _____

CHECKED BY _____

SCALE _____

PREPARE UNDER THE SUPERVISION OF:

Olga I. Shevchenko 11/21/25
OLGA I. SHEVCHENKO
ENGINEER OF RECORD RCE C 78031

FIRM NAME: **Michael Baker INTERNATIONAL**

ADDRESS: 40810 COUNTY CENTER DR., SUITE 200
TEMECULA, CA 92591

PHONE NO. (951) 678-8042

INDIO WATER AUTHORITY APPROVAL

APPROVAL SIGNATURE BELOW (SEAL ONLY CONCURRENCE WITH THE GENERAL PURPOSES AND GENERAL LOCATION OF THE PROPERTY. ALL TECHNICAL DETAILS REMAIN THE RESPONSIBILITY OF THE ENGINEER PREPARING THE PLANS.)

REYMUENDO TREJO, P.E.
GENERAL MANAGER RCE C 68662

DATE _____

INDIO
water authority

TELEPHONE 83-101 Avenue 45, Indio, CA 92201
(760) 391-4038 www.indiowater.org

FAX (760) 391-6433

CITY OF INDIO

I-10 MONROE WATER RELOCATION
TITLE, SUMMARY OF QNTY.
VICINITY MAP, SHEET INDEX

DRAWING **G-1**

SHEET **1** OF **7**

DATE _____

IWA NO. _____

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GENERAL WATER NOTES

1. THE WATER SYSTEM SHALL BE CONSTRUCTED IN ACCORDANCE WITH INDIO WATER AUTHORITY (IWA) WATER STANDARDS AND SPECIFICATIONS AND THESE PLANS.
2. IN ACCORDANCE WITH ORDINANCE 1528 ADOPTED MARCH 5, 2008, NO CUSTOMER, CONTRACTOR, OR ANY OTHER PERSON SHALL TAMPER WITH BACKFLOW DEVICES OR DISTRIBUTION VALVES WITHOUT CONSENT OF IWA. REPAIRS OF BACKFLOW DEVICES SHALL BE DONE BY COMPANIES APPROVED AND AUTHORIZED BY IWA.
3. ALL WATER MAINS SHALL BE DUCTILE IRON PIPE (DIP), RESTRAINED JOINTS AND ENCASED IN POLYETHYLENE PER AWWA AND IWA STANDARDS. PIPE LARGER THAN TWELVE INCH (12") DIAMETER SHALL BE CLASS 250 AND TWELVE INCH (12") DIAMETER AND SMALLER SHALL BE CLASS 350.
4. ALL WATER MAINS SHALL HAVE A MINIMUM COVER OF FORTY-TWO INCHES (42") FROM FINISHED GRADE.
5. ALL VALVES, ELBOWS, AND TEES SHALL BE RESTRAINED JOINT AND SUPPORTED BY THRUST BLOCKS PER IWA STANDARD DRAWING NOS. 718A, 718B AND 718C.
6. TRENCH EXCAVATION, PIPE BEDDING, AND BACKFILL SHALL CONFORM TO THE IWA SPECIFICATIONS.
7. THE CONTRACTOR SHALL NOTIFY IWA FORTY-EIGHT (48) HOURS PRIOR TO STARTING ANY WORK, (760) 391-4044.
8. THE CONTRACTOR SHALL TEST AND CHLORINATE ALL NEW WATER MAINS. BACTERIOLOGICAL SAMPLES SHALL BE CLEARED BY A CERTIFIED TESTING LAB AND IWA SHALL HAVE THE WRITTEN RESULTS IN HAND PRIOR TO TAPPING INTO EXISTING MAINS.
9. EXISTING UTILITIES MAY OR MAY NOT BE SHOWN ON THESE DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY UNDERGROUND SERVICE ALERT AT 1-800-422-4133, FORTY-EIGHT (48) HOURS IN ADVANCE OF DIGGING AND TO VERIFY AND PROTECT ALL UTILITIES IN THE CONSTRUCTION AREA, WHETHER SHOWN OR NOT SHOWN HEREON.
10. PRIOR TO FINAL APPROVAL AND ACCEPTANCE, THE CONTRACTOR SHALL SUBMIT "AS-BUILT" RECORD DRAWINGS TO IWA. THE DESIGN ENGINEER SHALL PROVIDE UPDATED DIGITIZED AUTOCAD FILES THROUGH E-MAIL (IWAENGINEERING@INDIO.ORG) OR ON A CD IF SIZE OF FILE ATTACHMENTS EXCEEDS 9 MB.
11. ALL VALVES LESS THAN TWELVE INCH (12") IN SIZE SHALL BE RESILIENT WEDGE GATE VALVES. VALVES TWELVE INCH (12") OR GREATER IN SIZE SHALL BE BUTTERFLY VALVES (REFER TO LIST OF APPROVED MATERIALS).
12. ALL VALVES SHALL BE ADJUSTED TO FUTURE GRADE PER INDIO WATER AUTHORITY STANDARD DRAWING NOS. 713 A & 713 B.
13. THE CONTRACTOR SHALL PROVIDE COMPACTION TEST RESULTS TO IWA PRIOR TO WATER MAIN PRESSURE TESTING.
14. ANY WATER MAIN SHUTDOWN REQUIRES FIVE (5) WORKING DAYS NOTICE TO IWA AND ANY APPLICABLE FEES.
15. NO WATER SHALL BE OBTAINED FROM IWA FIRE HYDRANT WITHOUT THE USE OF AN AUTHORIZED CONSTRUCTION HYDRANT METER OBTAINED FROM IWA.
16. ALL STATIONING SHOWN ON THESE PLANS IS MEASURED ALONG THE "MO CENTERLINE" OR AS SHOWN ON PLANS.
17. EXPANSION JOINTS SHALL BE FORCE-BALANCED AND SELF-RESTRAINING. ALL INTERNAL SURFACES (WETTED PARTS) SHALL BE LINED WITH A MINIMUM OF 15 MILS OF FUSION BONDED EPOXY CONFORMING TO THE APPLICABLE REQUIREMENTS OF ANSI/AWWA C213. SEALING GASKETS SHALL BE CONSTRUCTED OF EPDM. THE COATING SHALL MEET ANS/NSF-61. EXTERIOR SURFACES SHALL BE COATED WITH A MINIMUM OF 6 MILS OF FUSION BONDED EPOXY CONFORMING TO THE APPLICABLE REQUIREMENTS OF ANSI/AWWA C116/A21.16. EACH JOINT SHALL BE CAPABLE OF PROVIDING A MINIMUM OF 19-INCHES OF LATERAL AND 8-INCHES OF LONGITUDINAL MOVEMENT. EXPANSION JOINTS SHALL BE EBAA IRON FORCE-BALANCED FLEX-TEND JOINTS 4412F20B OR APPROVED EQUAL.
18. EXPANSION JOINTS SHALL BE INSTALLED AT CENTERED POSITION TO ALLOW MOVEMENT IN ALL DIRECTIONS. CONTRACTOR SHALL BLOCK AND BRACE THE JOINT DURING CONSTRUCTION AND TESTING TO PREVENT MOVEMENT.
19. AFTER PIPE INSTALLATION AND COMPLETE WELDING AND COATING AND LINING REPAIRS OF ALL JOINTS, THE PIPELINE SHALL BE CCTV INSPECTED AND APPROVED BY IWA PRIOR TO TESTING AND DISINFECTION.
20. ALL WATER SERVICE WITHIN THE WORK AREAS SHALL BE MAINTAINED AT ALL TIMES. TEMPORARY SHUT DOWNS SHALL ONLY BE PERMISSIBLE TO MAKE CONNECTIONS TO NEW PIPING. CONTRACTOR SHALL MAINTAIN ALL WATER SERVICE IN THE PROJECT AREA THROUGH THE USE OF A HIGH LINE OR CONSTRUCTION SEQUENCING.

ABBREVIATIONS

| | | | |
|------------|---------------------------------------|-------|-------------------------------|
| AC | ASPHALTIC CEMENT | MH | MANHOLE |
| ACP | ASBESTOS CEMENT PIPE | MIN | MINIMUM |
| ANSI | AMERICAN NATIONAL STANDARDS INSTITUTE | MJ | MECHANICAL JOINT |
| ASPH | ASPHALT | N | NORTH |
| APPROX | APPROXIMATELY | NAD | NORTH AMERICAN DATUM |
| AV | AIR & VACUUM VALVE | NAV | NORTH AMERICAN VERTICAL DATUM |
| BFV | BUTTERFLY VALVE | NPT | NATIONAL PIPE THREAD |
| BM | BENCH MARK | OG | ORIGINAL GRADE |
| BO | BLOWOFF | OC | ON CENTER |
| CL | CLASS OR CENTERLINE | OH | OVERHEAD |
| CLR | CLEAR | PE | PLAIN END |
| CMP | CORRUGATED METAL PIPE | PL | PROPERTY LINE |
| CONC | CONCRETE | PSI | POUNDS PER SQUARE INCH |
| CONT | CONTINUATION | PVC | POLYVINYL CHLORIDE PIPE |
| CORP | CORPORATION | RCP | REINFORCED CONCRETE PIPE |
| CPLG | COUPLING | PW | POTABLE WATER |
| CT | COURT | RCP | REINFORCED CONCRETE PIPE |
| CVWD | COACHELA VALLEY WATER DISTRICT | RD | ROAD |
| DEF | DEFLECTION | REQD | REQUIRED |
| DIA | DIAMETER | RT | RIGHT OR RIGHT TURN |
| DIP | DUCTILE IRON PIPE | RW | RECLAIMED WATER |
| DR | DRIVE | R/W | RIGHT OF WAY |
| DWG(S) | DRAWING(S) | S | SOUTH OR SEWER |
| E | EAST OR ELECTRICAL | SCH | SCHEDULE |
| EF | EACH FACE | SD | STORM DRAIN |
| EXIST (EX) | EXISTING | SFM | SEWER FORCE MAIN |
| FH | FIRE HYDRANT | SPECS | SPECIFICATIONS |
| FL (FLG) | FLANGED | SQ | SQUARE |
| FT | FEET | SS | STAINLESS STEEL |
| G | GAS | ST | STREET |
| GALV | GALVANIZED | STD | STANDARD |
| GS | GALVANIZED STEEL | T | TELEPHONE |
| GV | GATE VALVE | TP | TOP OF PIPE |
| HORIZ | HORIZONTAL | TV | TELEVISION |
| HP | HIGH PRESSURE | TYP | TYPICAL |
| IE | INVERT ELEVATION | VAR | VARIOUS |
| IRR | IRRIGATION | VCP | VITRIFIED CLAY PIPE |
| LB | POUND | VERT | VERTICAL |
| LAT | LATERAL | WL | WATER LINE |
| LF | LINEAR FOOT | WV | WATER VALVE |
| LT | LEFT OR LEFT TURN | W | WATER OR WEST |
| MAR | MANUAL AIR RELEASE | W/ | WITH |
| MAX | MAXIMUM | | |

LEGEND

| | |
|--|--|
| | EXIST NATURAL GAS LINE. "HP" INDICATES HIGH PRESSURE |
| | EXIST ELECTRIC CONDUIT/CABLE "OH" INDICATES OVERHEAD |
| | EXIST PETROLEUM |
| | EXIST TELEPHONE CONDUIT(S) |
| | EXIST CABLE TELEVISION CONDUIT(S) |
| | EXIST WATER PIPE |
| | EXIST SEWER |
| | EXIST STORM DRAIN |
| | EXIST RECLAIMED WATER PIPE |
| | EXIST SEWER LATERAL |
| | EXIST IRRIGATION SERVICE |
| | EXIST NO SERVICE |
| | EXIST RECLAIMED WATER SERVICE |
| | EXIST FIRE SERVICE |
| | EXIST STREET CENTERLINE |
| | EXIST RIGHT-OF-WAY |
| | EXIST LOT LINE/PROPERTY LINE |
| | EXIST INDEX CONTOUR |
| | EXIST INTERMEDIATE CONTOUR |
| | EXIST POWER POLE |
| | EXIST GUY WIRE |
| | EXIST SIGN |
| | EXIST SPOT ELEVATION |
| | EXIST WATER MANHOLE |
| | EXIST SEWER CLEANOUT |
| | EXIST MONUMENT |
| | EXIST STREET LIGHT |
| | EXIST FENCE |
| | EXIST WALL |
| | EXIST END CAP |
| | EXIST TRAFFIC SIGNAL |
| | EXIST WATER METER |
| | EXIST FIRE HYDRANT |
| | EXIST AIR & VACUUM VALVE |
| | EXIST BLOW OFF |
| | EXIST GATE VALVE |
| | EXIST BUTTERFLY VALVE |
| | ORIGINAL GRADE |
| | EXIST BACKFLOW PREVENTER |

WORK TO BE DONE

| SYMBOL | DESCRIPTION | IWA STD | QTY |
|--------------------|----------------------------------|----------|---------|
| | NEW POTABLE WATER PIPE | | 1252 LF |
| | NEW BUTTERFLY VALVE | 713 E | 4 EA |
| | NEW IRRIGATION SERVICE | 700B | 2 EA |
| PROFILE | PLAN | | |
| | NEW 2" AIR AND VACUUM VALVE ASSY | 705A & B | 1 EA |

SPECIAL NOTES: COORDINATION

1. UTILITIES SHOWN ON THESE DRAWINGS WERE BELIEVED TO BE CURRENT AT THE DATE MARKED ON THESE DRAWINGS. HOWEVER, OTHER UTILITY RELOCATIONS COULD BE PERFORMED BETWEEN THE DATE OF THESE DRAWINGS AND THE NOTICE TO PROCEED. CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS.
2. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION SCHEDULING, EXECUTION OF WORK, AND SITE ACCESS WITH THE CALTRANS BRIDGE CONTRACTOR. THE CALTRANS BRIDGE CONTRACTOR WILL HAVE AUTHORITY OVER SCHEDULING, COORDINATION OF WORK, AND SITE ACCESS.
3. COORDINATION OF WORK WILL REQUIRE FLEXIBLE SCHEDULING. DELAYS AND ADJUSTMENT TO SCHEDULING SHALL BE ANTICIPATED AND INCLUDED IN THE PROJECT BID PRICE. ADDITIONAL FEES OR COSTS FOR DELAYS OR CHANGES TO THE SCHEDULE MADE BY THE CALTRANS BRIDGE CONTRACTOR SHALL NOT BE PAID TO THE CONTRACTOR, IN THE FORM OF CHANGE ORDERS OR OTHER TYPES OF ADDITIONAL PAYMENT.
4. COORDINATION OF WORK AND SITE ACCESS WILL REQUIRE MULTIPLE MOBILIZATIONS AND DEMOBILIZATIONS FROM THE PROJECT SITE TO ALLOW OTHER CONTRACTORS TO COMPLETE WORK AT THE PROJECT SITE. THE PROJECT WILL NOT BE EXECUTED IN A SINGLE PHASE OF WORK. ADDITIONAL FEES OR COSTS FOR MOBILIZATIONS OR DEMOBILIZATIONS SHALL NOT BE PAID TO THE CONTRACTOR, IN THE FORM OF CHANGE ORDERS OR OTHER TYPES OF ADDITIONAL PAYMENT.

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| APPROVED BY RIVERSIDE COUNTY DEPARTMENT OF FIRE PROTECTION | CITY OF INDIO PUBLIC WORKS APPROVAL | PLAN CHECKED BY | DESIGN BY | FIRM NAME : |
| | | | | Michael Baker INTERNATIONAL |
| | | | | ADDRESS : 40810 COUNTY CENTER DR., SUITE 200 TEMECULA, CA 92591 |
| | | | | PHONE NO. (951) 678-8042 |

| | |
|-------------------------------|------------|
| | |
| FIRE MARSHAL _____ DATE _____ | DATE _____ |

PREPARE UNDER THE SUPERVISION OF:

OLGA I. SHEVCHENKO
ENGINEER OF RECORD RCE C. 78031

11/21/25
DATE

| | | |
|--------------------------------|--|------|
| INDIO WATER AUTHORITY APPROVAL | REYMUUNDO TREJO, P.E. GENERAL MANAGER | DATE |
| | | |

TELEPHONE 83-101 Avenue 45, Indio, CA 92201 (760) 391-6038

FAX (760) 391-6433

www.indiowater.org

| | |
|------------------------------|----------------------------|
| CITY OF INDIO | DRAWING G-2 |
| I-10 MONROE WATER RELOCATION | SHEET 2 OF 7 |
| GENERAL WATER NOTES | DATE _____ |
| ABBREVIATIONS LEGENDS | IWA NO. _____ |

530

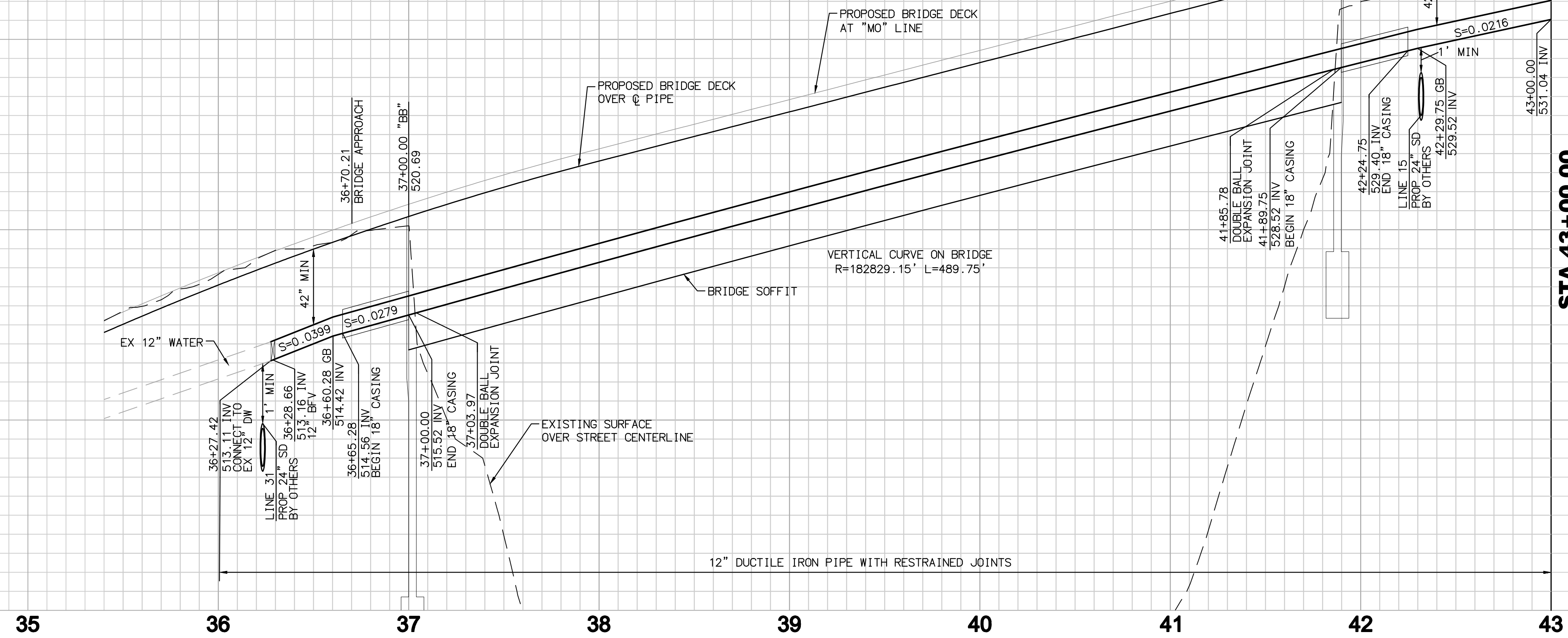
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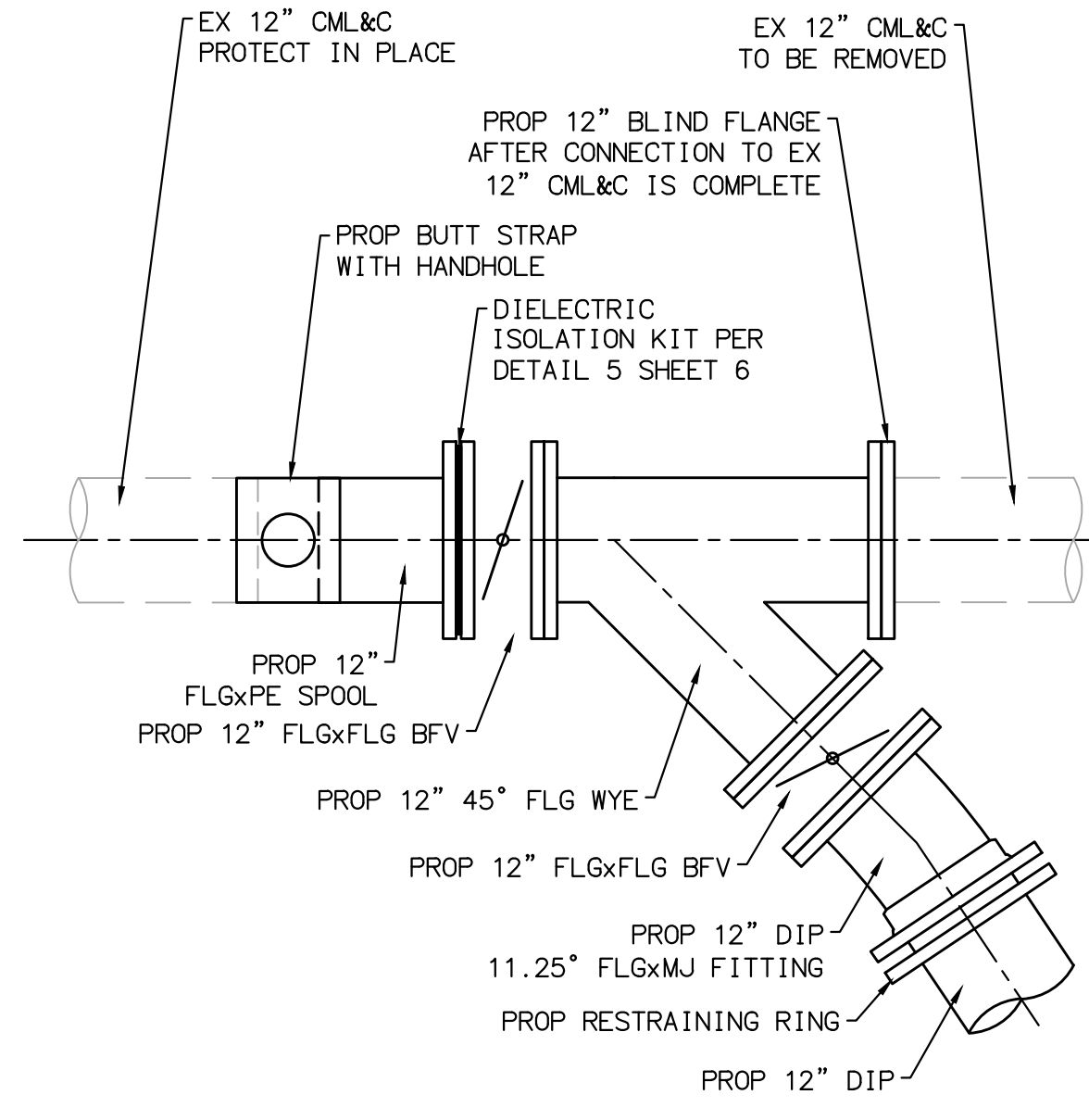
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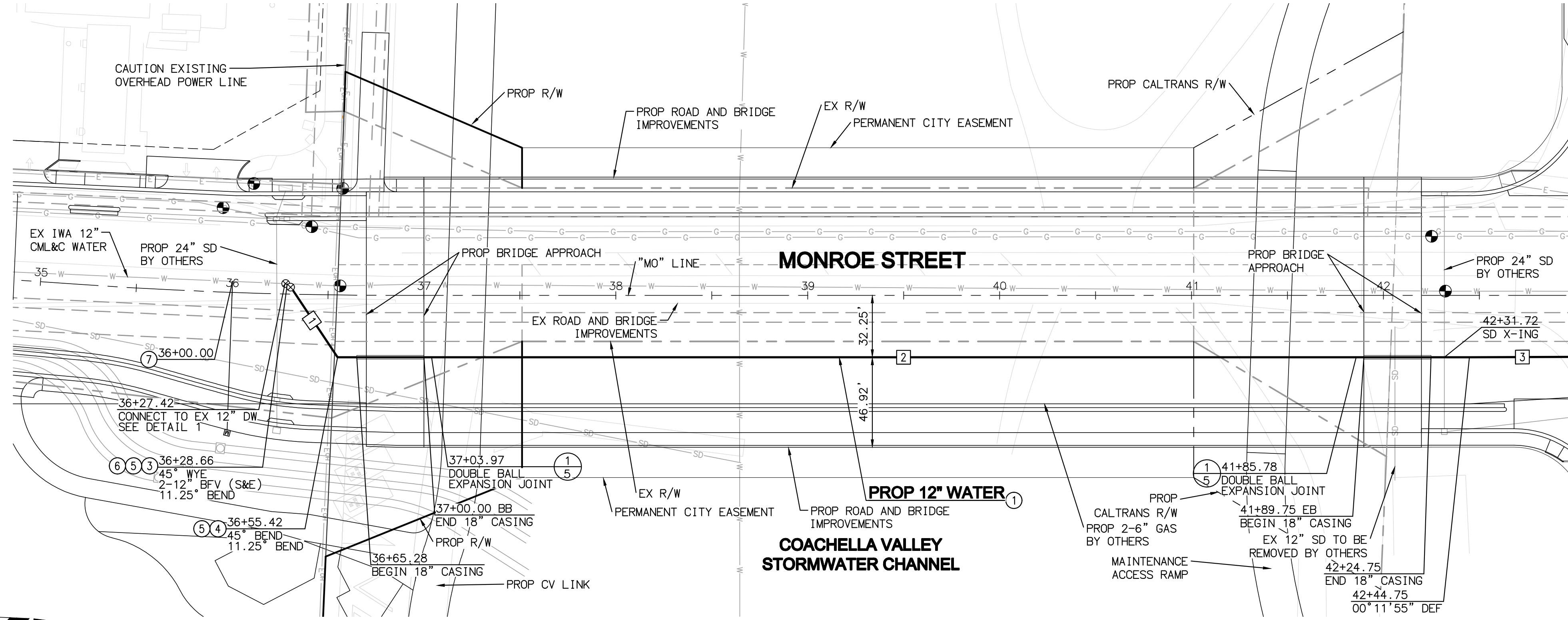
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STA 43+00.00
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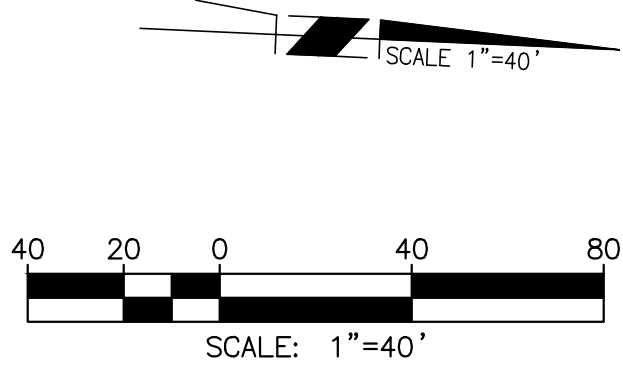


36+27.42 CONNECTION
 N.T.S.



- CONSTRUCTION NOTES**
- ① 12" DOMESTIC WATER DUCTILE IRON PIPE
 - ② 12" BFV PER IWA STD DWG NO. 7130, 713E, AND 713F
 - ③ 12" 45° DIP FITTING
 - ④ 12" 11.25° DIP FITTING
 - ⑤ 12" 45° DIP WYE FITTING
 - ⑥ 1" IRRIGATION WATER SERVICE AND WATER METER PER IWA STD. 700B

STA 43+00.00
 MATCH LINE DWG. NO. W-2



LINE/CURVE DATA TABLE

| NO | BEARING/DELTA | RADIUS | LENGTH | TANGENT | NOTE |
|----|---------------|--------|---------|---------|---------------|
| 1 | N 53°44'03" E | -- | 46.04' | -- | 12" DIP WATER |
| 2 | N 02°33'11" W | -- | 589.75' | -- | 12" DIP WATER |
| 3 | N 02°45'06" W | -- | 55.25' | -- | 12" DIP WATER |



PREPARE UNDER THE SUPERVISION OF:

 OLGA I. SHEVCHENKO
 ENGINEER OF RECORD RCE C 78031
 DATE 11/21/25

| REVISIONS | | | |
|-----------|----|------|---------|
| NO. | BY | DATE | REMARKS |
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APPROVED BY RIVERSIDE COUNTY
 DEPARTMENT OF FIRE PROTECTION
 FIRE MARSHAL _____ DATE _____

CITY OF INDIO
 PUBLIC WORKS APPROVAL

 JUAN RAYA, P.E.
 CITY ENGINEER RCE C 68510
 DATE _____

PLAN CHECKED BY _____
 DESIGN BY _____
 DRAWN BY _____
 CHECKED BY _____
 SCALE _____

FIRM NAME: **Michael Baker INTERNATIONAL**
 ADDRESS: 40810 COUNTY CENTER DR., SUITE 200
 TEMECULA, CA 92591
 PHONE NO. (951) 678-8042

INDIO WATER AUTHORITY APPROVAL
 APPROVAL SIGNATURE BELOW (SIGNIFY ONLY CONCURRENCE WITH THE GENERAL PURPOSES AND GENERAL LOCATION OF THE PROPERTY. ALL TECHNICAL DETAILS REMAIN THE RESPONSIBILITY OF THE ENGINEER PREPARING THE PLANS.)
 REYMUNDO TREJO, P.E. GENERAL MANAGER RCE C 6862
 DATE _____

 TELEPHONE 83-101 Avenue 45, Indio, CA 92201 (760) 391-4038
 FAX (760) 391-6433
 www.indiowater.org

CITY OF INDIO
 I-10 MONROE WATER RELOCATION
 PLAN AND PROFILE
 STA 36+27.42 TO 43+00.00

DRAWING **W-1**
 SHEET **3** OF **7**
 DATE _____
 IWA NO. _____

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PROFILE SCALE
 HORIZ. 1" = 40'
 VERT. 1" = 4'

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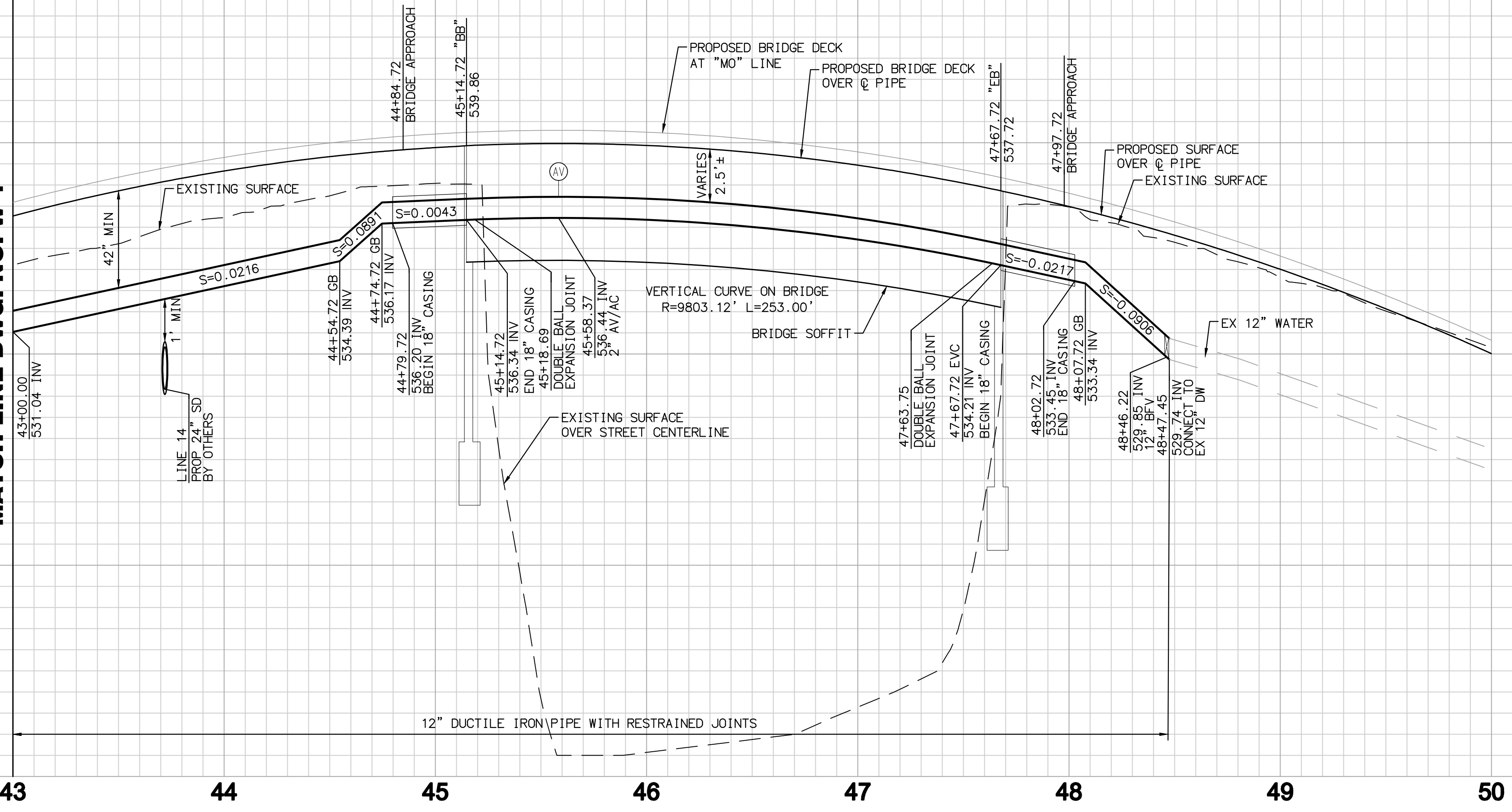
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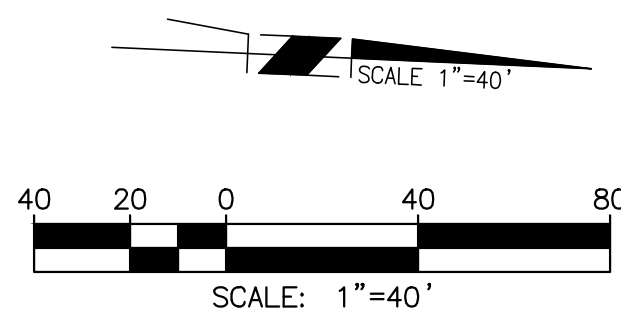
STA 43+00.00
 MATCH LINE DWG. NO. W-1



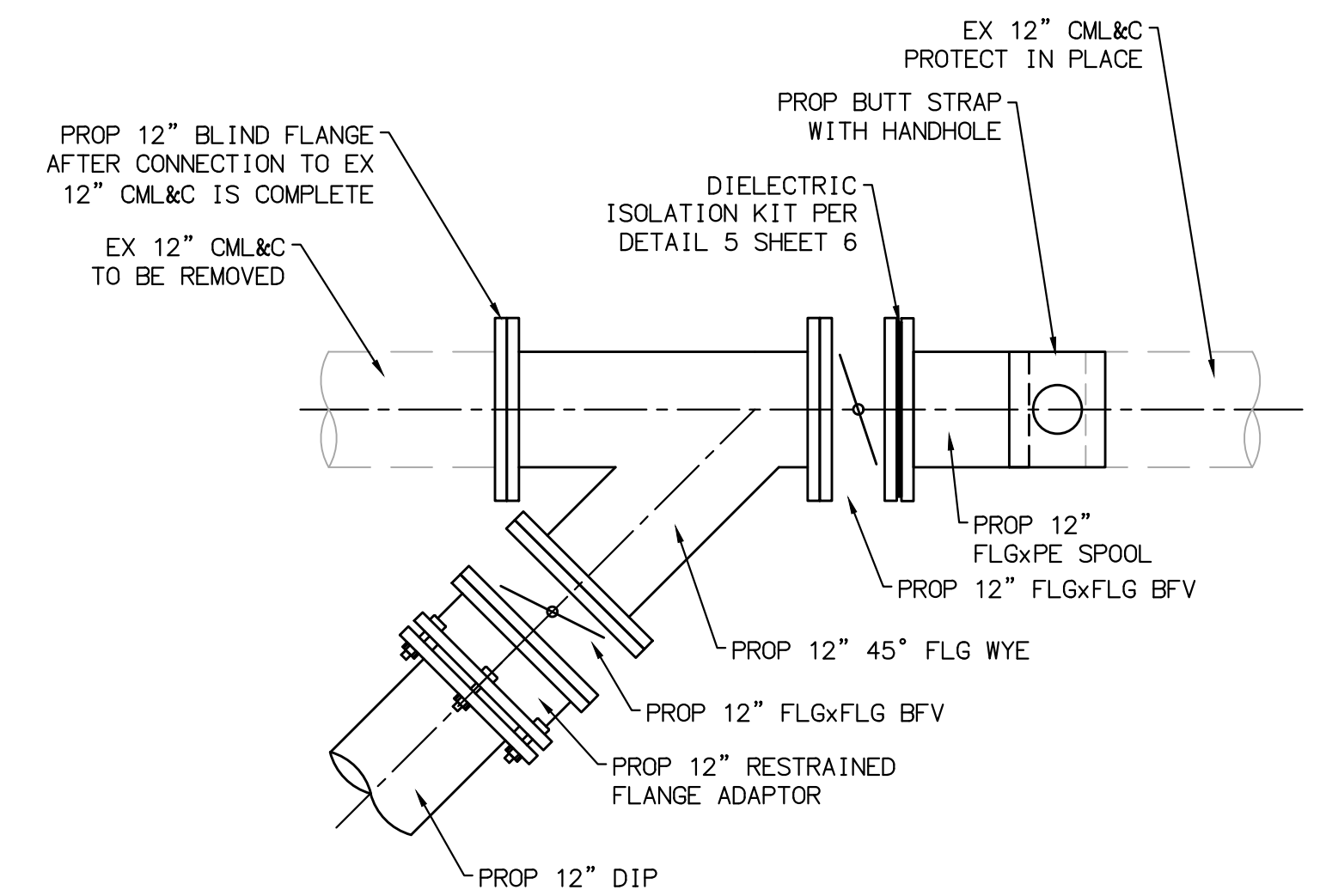
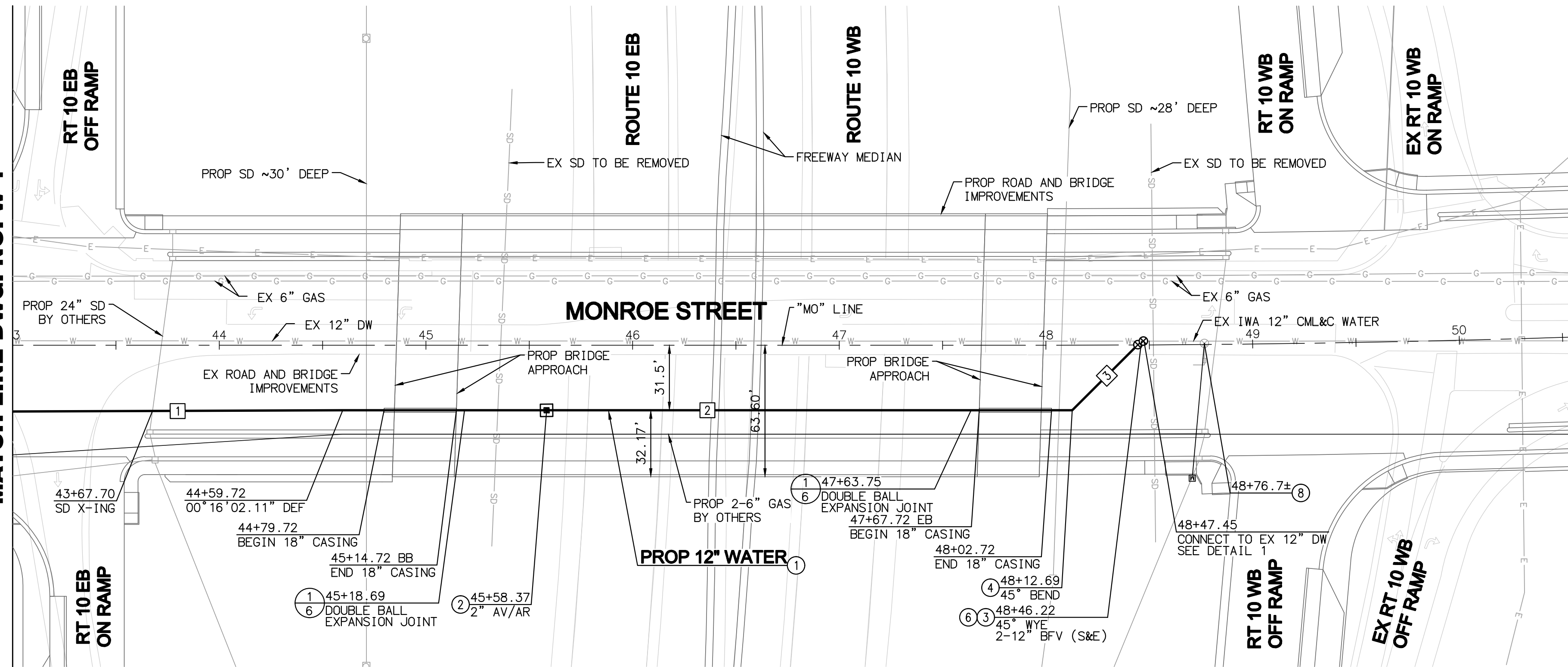
43 44 45 46 47 48 49 50

CONSTRUCTION NOTES

- ① 12" DOMESTIC WATER DUCTILE IRON PIPE
- ② 2" AV/AR PER DETAIL 3 SHEET 6
- ③ 12" BFV PER IWA STD DWG NO. 7130, 713E, AND 713F
- ④ 12" 45° DIP FITTING
- ⑤ 12" 45° DIP WYE FITTING
- ⑥ EXISTING IWA IRRIGATION SERVICE WITH BACKFLOW DEVICE TO BE RELOCATED BEHIND PROP SIDEWALK PER IWA STANDARDS



STA 43+00.00
 MATCH LINE DWG. NO. W-1



48+47.45 CONNECTION
 N.T.S.

LINE/CURVE DATA TABLE

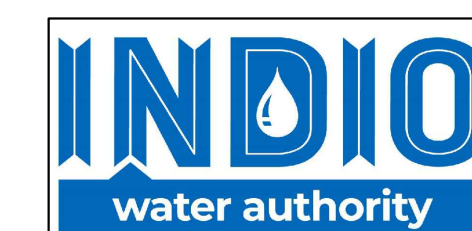
| NO | BEARING/DELTA | RADIUS | LENGTH | TANGENT | NOTE |
|----|---------------|--------|---------|---------|---------------|
| 1 | N 02°45'06" W | -- | 159.72' | -- | 12" DIP WATER |
| 2 | N 02°33'11" W | -- | 352.97' | -- | 12" DIP WATER |
| 3 | N 47°33'11" W | -- | 47.35' | -- | 12" DIP WATER |

DIG ALERT
 DIAL TOLL FREE
 1-800-227-2600
 AT LEAST TWO DAYS
 BEFORE YOU DIG
 UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA



PREPARE UNDER THE SUPERVISION OF:
Olga I. Shevchenko
 OLGA I. SHEVCHENKO
 ENGINEER OF RECORD RCE C 78031
 DATE 11/21/25

INDIO WATER AUTHORITY APPROVAL
 APPROVAL SIGNATURE BELOW (SEAL ONLY CONCURRENCE WITH THE GENERAL PURPOSES AND GENERAL LOCATION OF THE PROPERTY. ALL TECHNICAL DETAILS REMAIN THE RESPONSIBILITY OF THE ENGINEER PREPARING THE PLANS.)
 REYMUNDO TREJO, P.E.
 GENERAL MANAGER RCE C 6862



TELEPHONE 83-101 Avenue 45, Indio, CA 92201 FAX (760) 391-4038 www.indiowater.org (760) 391-6433

| REVISIONS | | | |
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APPROVED BY RIVERSIDE COUNTY
 DEPARTMENT OF FIRE PROTECTION
 FIRE MARSHAL DATE

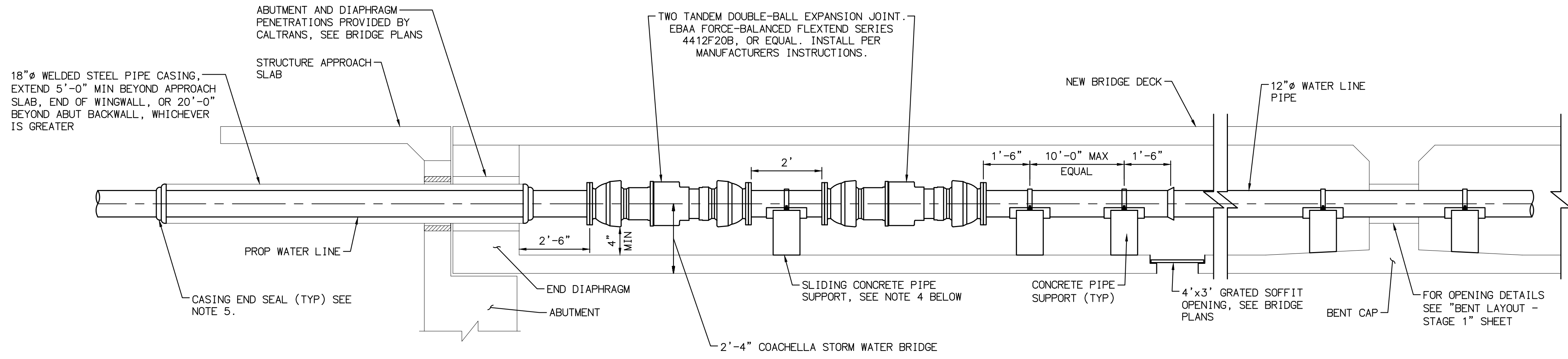
CITY OF INDIO
 PUBLIC WORKS APPROVAL
 PLAN CHECKED BY
 DESIGN BY
 DRAWN BY
 CHECKED BY
 SCALE

JUAN RAYA, P.E.
 CITY ENGINEER
 RCE C 68510

FIRM NAME: **Michael Baker INTERNATIONAL**
 ADDRESS: 40810 COUNTY CENTER DR., SUITE 200 TEMECULA, CA 92591
 PHONE NO. (951) 678-8042

CITY OF INDIO
 I-10 MONROE WATER RELOCATION
 PLAN AND PROFILE
 STA 43+00.00 TO 48+47.45
 DRAWING **W-2**
 SHEET **4** OF **7**
 DATE
 IWA NO.

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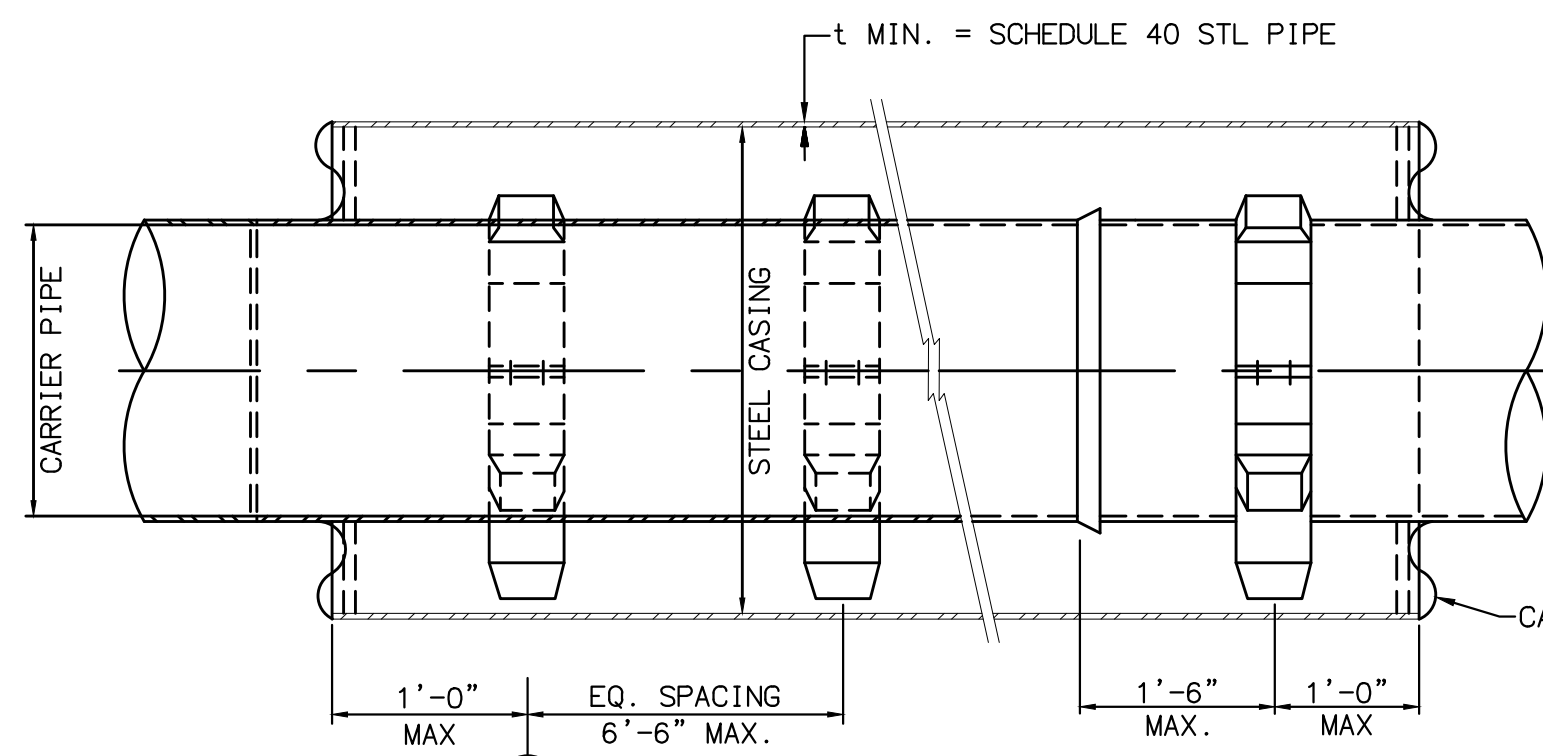


- NOTES:**
- SEE PLAN AND PROFILE SHEETS FOR PIPE & FITTING SIZES, MATERIAL, ELEVATIONS, & STEEL CASING REQUIREMENTS.
 - ALL HARDWARE (BOLTS, BANDS, ETC) SHALL BE 316 STAINLESS STEEL
 - THE CARRIER PIPE SHALL BE SUPPORTED ON CASING SPACERS AS APPROVED BY THE ENGINEER.
 - CONTRACTOR TO VERIFY CURRENT LAY LENGTH WITH JOINT MANUFACTURER.
 - END SEALS SHALL BE MADE OF SYNTHETIC RUBBER, CONICAL SHAPE, PULL-ON OR WRAP-AROUND STYLE WITH TYPE 316 STAINLESS STEEL BANDS.

**CHANNEL BRIDGE
PIPELINE THROUGH ABUTMENT AND BENT
CAP DETAIL (TYPICAL EACH SIDE)**

N.T.S.

1
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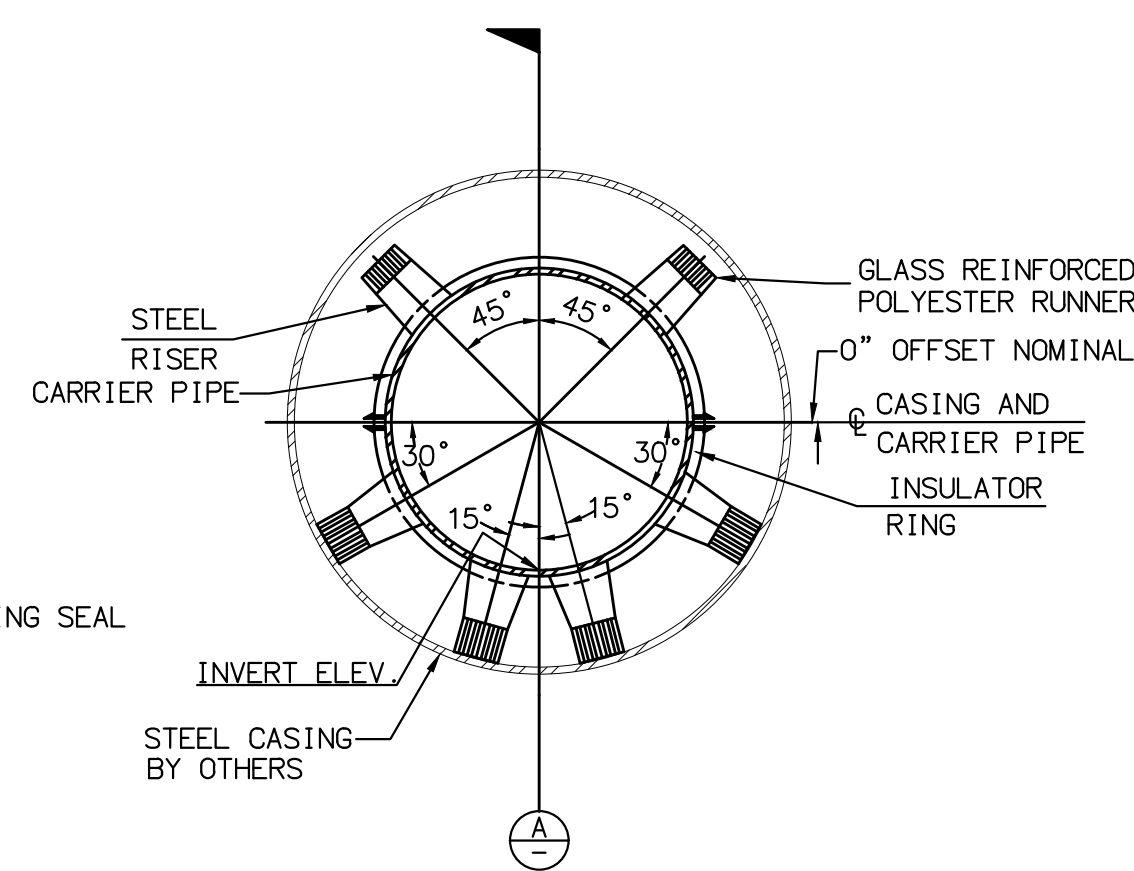


- NOTES:**
- ALL STEEL CASING PIPE FIELD JOINTS SHALL BE WELDED FULL CIRCUMFERENCE.
 - ALL WATER PIPE SHALL BE PRESSURE TESTED PER SPECIFICATIONS PRIOR TO PLUGGING ENDS OF CASING.
 - CASING SPACERS SHALL BE CONSTRUCTED OF 316 STAINLESS STEEL, INCLUDING BANDS, RISERS, FASTENERS.
 - CASING INSULATORS MUST BE INSTALLED WITHIN 1'-6" OF ALL BELL ENDS OF WATER LINE AND WITHIN 12" OF BOTH END OF CASING PIPE. CASING INSULATORS MUST ALSO BE INSTALLED EVERY 6'-6" ON CENTER, OR MANUFACTURERS RECOMMENDATION, WHICHEVER IS LESS.

CASING INSULATOR DETAIL

N.T.S.

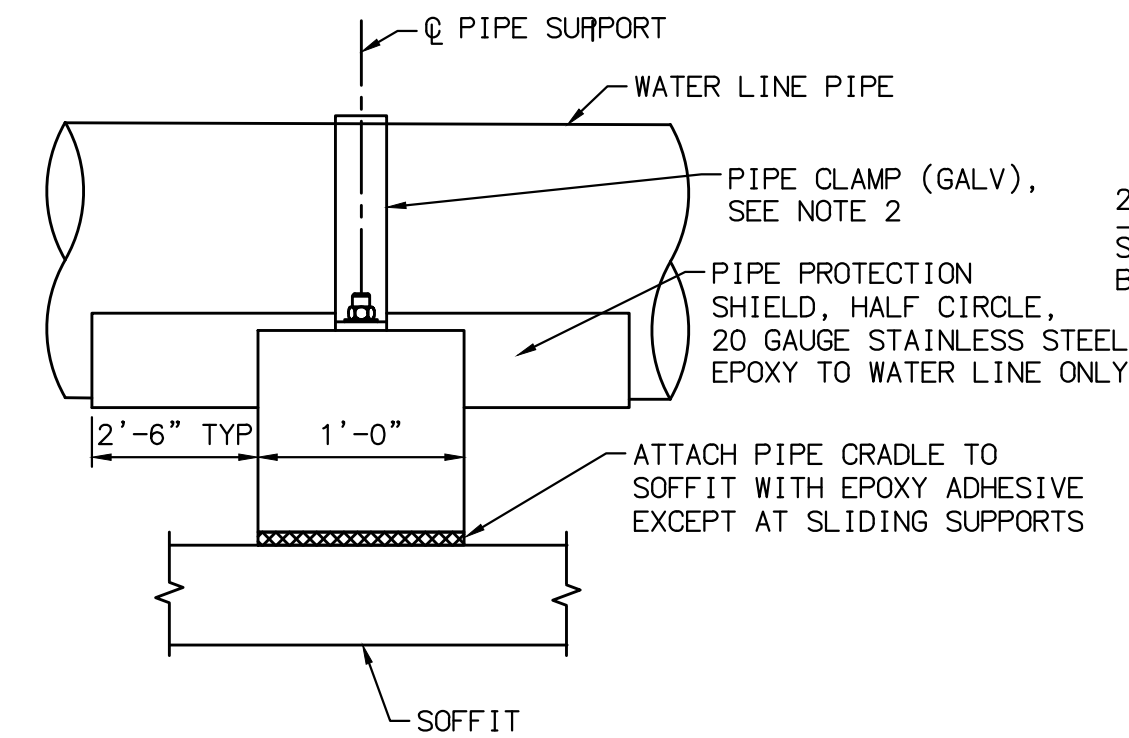
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CASING SECTION

NO SCALE

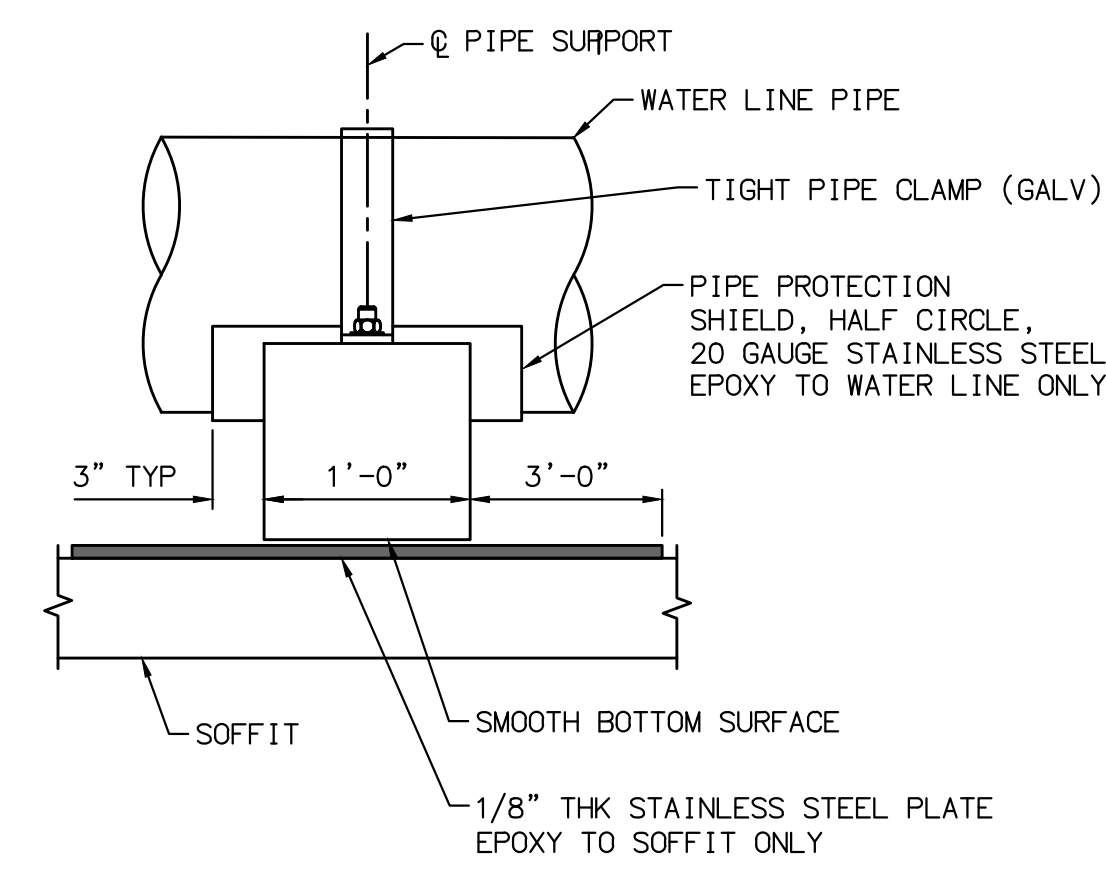
CALTRANS NOTE: IF CHANGES ARE MADE TO THIS DETAIL NEW COPIES MUST BE SENT TO CALTRANS TO UPDATE PERMIT SUBMITTAL.



TYPICAL CONCRETE PIPE SUPPORT DETAIL

N.T.S.

3
-



SLIDING CONCRETE PIPE SUPPORT DETAIL

N.T.S.

4
-

NOTES:

- PIPE MUST BE INSTALLED PARALLEL TO BRIDGE DECK.
- AT ALL PIPE SUPPORTS THE PIPE CLAMP MUST BE SHIMMED WITH STEEL WASHER PLATES TO PROVIDE 1/4" CLEARANCE BETWEEN WATER LINE AND PIPE CLAMP.
- VERTICAL DIMENSIONS OF CONCRETE PIPE SUPPORTS VARY WITH THE THICKNESS OF THE BOTTOM SLAB OF THE CONCRETE BOX GIRDER. SEE "TYPICAL SECTION - STAGE 1" AND "GIRDER LAYOUT - STAGE 1" SHEETS FOR BOX GIRDER DIMENSIONS.
- INSTALL ONE SLIDING PIPE SUPPORT BETWEEN THE TANDEM EXPANSION FITTINGS AS SHOWN IN DETAIL 4. THE PIPE CLAMP AT THE SLIDING SUPPORT SHALL BE TIGHT. SLIDING MOVEMENT SHALL OCCUR AT THE SOFFIT INTERFACE IN ANY DIRECTION.

UTILITY WEIGHTS:

PIPE (EMPTY) : 38.7 PLF
PIPE FILLED WITH WATER: 93.0 PLF
CONCRETE SUPPORT EQUIVALENT LOAD: 70 PLF
TOTAL WEIGHT: 170 PLF

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DIAL TOLL FREE
1-800-227-2600
AT LEAST TWO DAYS
BEFORE YOU DIG
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

| REVISIONS | | | |
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| NO. | BY | DATE | REMARKS |
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APPROVED BY RIVERSIDE COUNTY
DEPARTMENT OF FIRE PROTECTION

FIRE MARSHAL _____ DATE _____

CITY OF INDIO
PUBLIC WORKS APPROVAL

JUAN RAYA, P.E.
CITY ENGINEER
RCE C 68510

APPROVAL NOT REQUIRED FOR PRIVATE STREETS

PLAN
CHECKED BY

JUAN RAYA, P.E.
CITY ENGINEER
RCE C 68510

DATE _____

DESIGN BY

DRAWN BY

CHECKED BY

SCALE

PREPARE UNDER THE SUPERVISION OF:

Olga I. Shevchenko 11/21/25
DATE

OLGA I. SHEVCHENKO
ENGINEER OF RECORD RCE C 78031

FIRM NAME: **Michael Baker INTERNATIONAL**

ADDRESS: 40810 COUNTY CENTER DR., SUITE 200
TEMECULA, CA 92591

PHONE NO. (951) 678-8042

INDIO WATER AUTHORITY APPROVAL

APPROVAL SIGNATURE BELOW (SIGNIFY ONLY CONCURRENCE WITH THE GENERAL PURPOSES AND GENERAL LOCATION OF THE PROPERTY. ALL TECHNICAL DETAILS REMAIN THE RESPONSIBILITY OF THE ENGINEER PREPARING THE PLANS.)

REYMUNDO TREJO, P.E.
GENERAL MANAGER RCE C 68862

DATE _____

INDIO
water authority

TELEPHONE 83-101 Avenue 45, Indio, CA 92201 (760) 391-4038
FAX (760) 391-6433
www.indiowater.org

CITY OF INDIO

I-10 MONROE WATER RELOCATION

**DETAILS
STORMWATER CHANNEL BRIDGE**

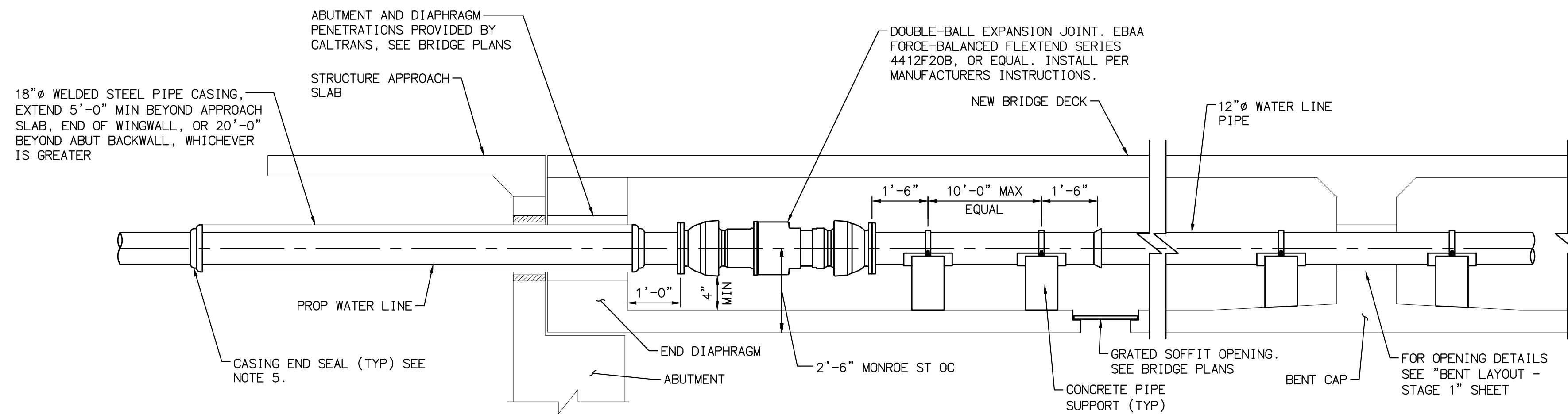
DRAWING **D-1**

SHEET **5** OF **7**

DATE _____

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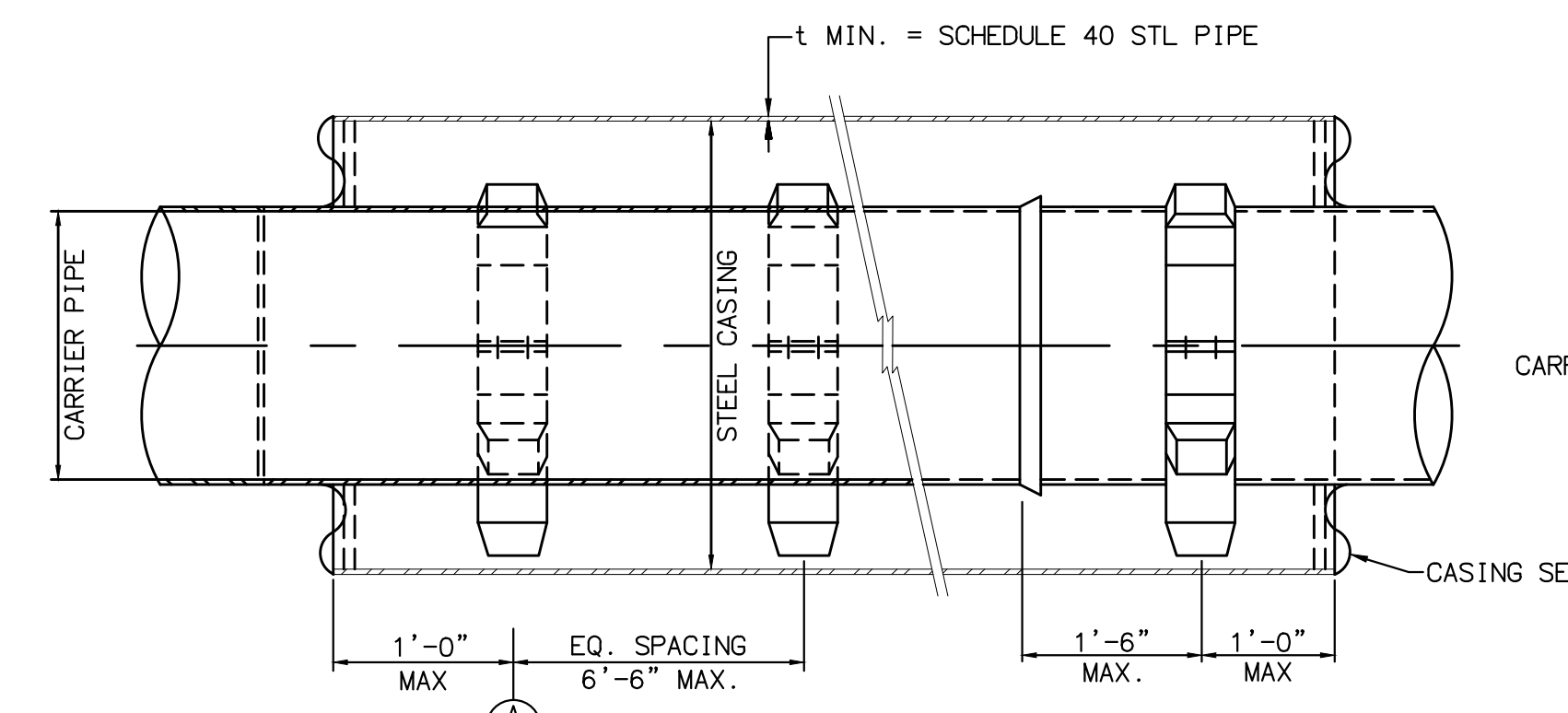


- NOTES:**
- SEE PLAN AND PROFILE SHEETS FOR PIPE & FITTING SIZES, MATERIAL, ELEVATIONS, & STEEL CASING REQUIREMENTS.
 - ALL HARDWARE (BOLTS, BANDS, ETC) SHALL BE 316 STAINLESS STEEL.
 - THE CARRIER PIPE SHALL BE SUPPORTED ON CASING SPACERS AS APPROVED BY THE ENGINEER.
 - CONTRACTOR TO VERIFY CURRENT LAY LENGTH WITH JOINT MANUFACTURER.
 - END SEALS SHALL BE MADE OF SYNTHETIC RUBBER, CONICAL SHAPE, PULL-ON OR WRAP-AROUND STYLE WITH TYPE 316 STAINLESS STEEL BANDS.

**OVERCROSSING BRIDGE
PIPELINE THROUGH ABUTMENT AND BENT
CAP DETAIL (TYPICAL EACH SIDE)**

N.T.S.

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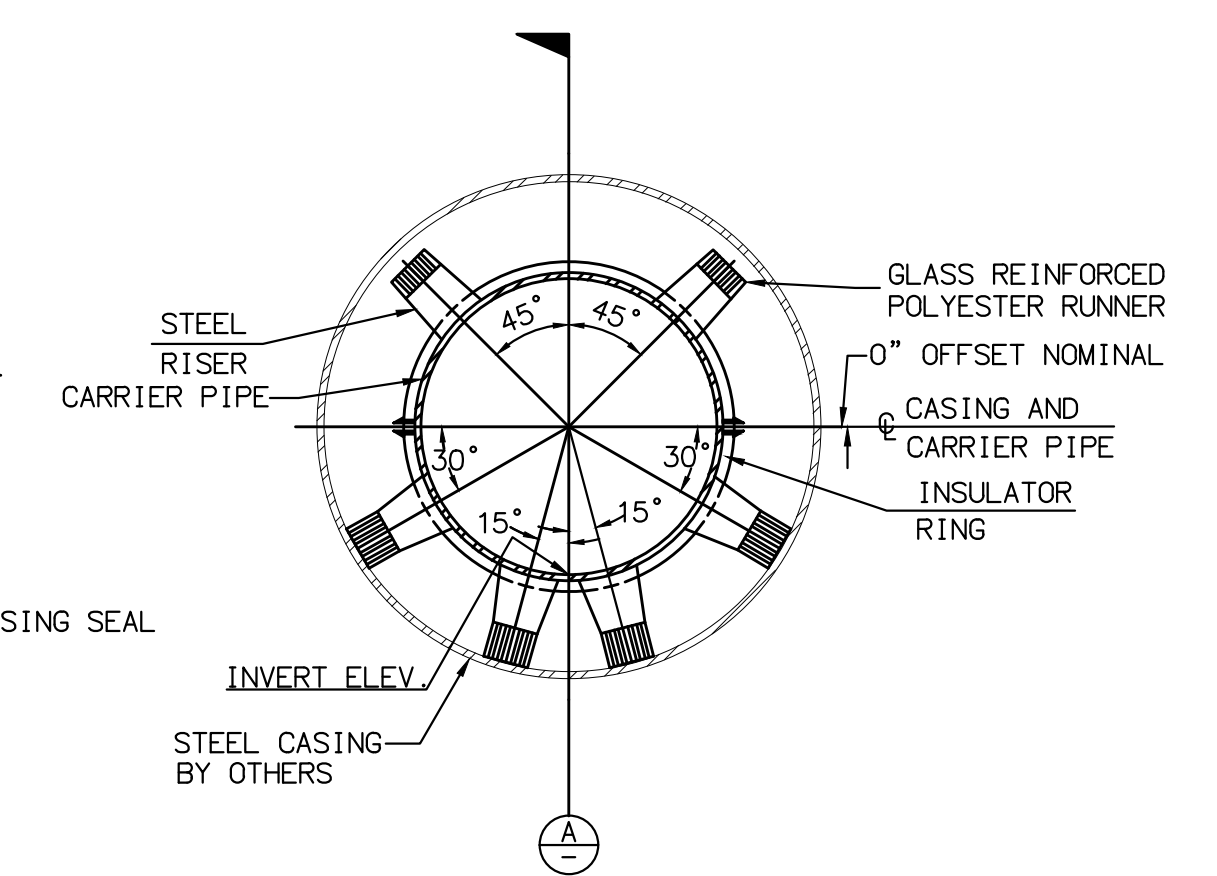
NOTES:

- ALL STEEL CASING PIPE FIELD JOINTS SHALL BE WELDED FULL CIRCUMFERENCE.
- ALL WATER PIPE SHALL BE PRESSURE TESTED PER SPECIFICATIONS PRIOR TO PLUGGING ENDS OF CASING.
- CASING SPACERS SHALL BE CONSTRUCTED OF 316 STAINLESS STEEL, INCLUDING BANDS, RISERS, FASTENERS.
- CASING INSULATORS MUST BE INSTALLED WITHIN 1'-6" OF ALL BELL ENDS OF WATER LINE AND WITHIN 12" OF BOTH END OF CASING PIPE. CASING INSULATORS MUST ALSO BE INSTALLED EVERY 6'-6" ON CENTER, OR MANUFACTURERS RECOMMENDATION, WHICHEVER IS LESS.

CASING INSULATOR DETAIL

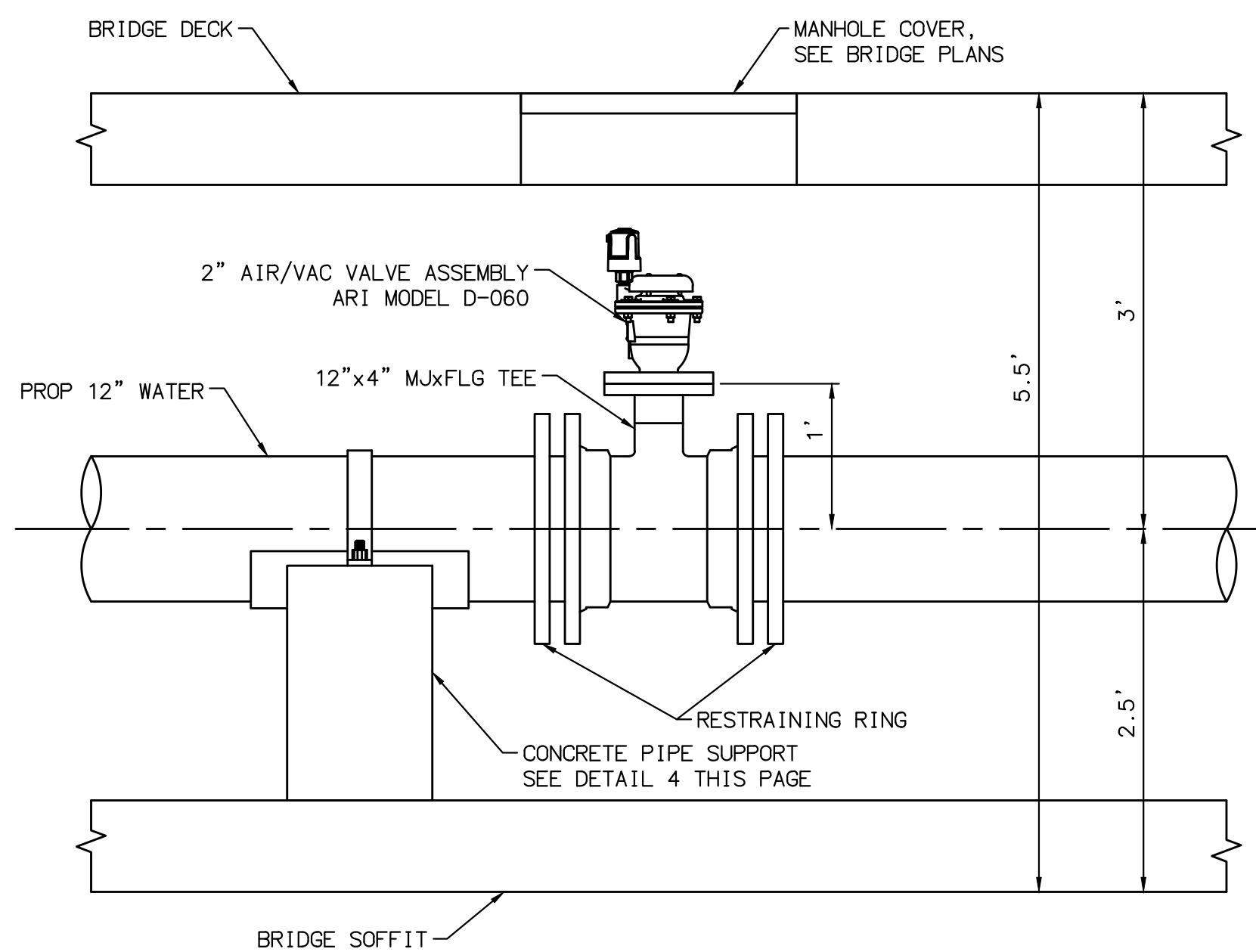
N.T.S.

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**CASING SECTION
NO SCALE**

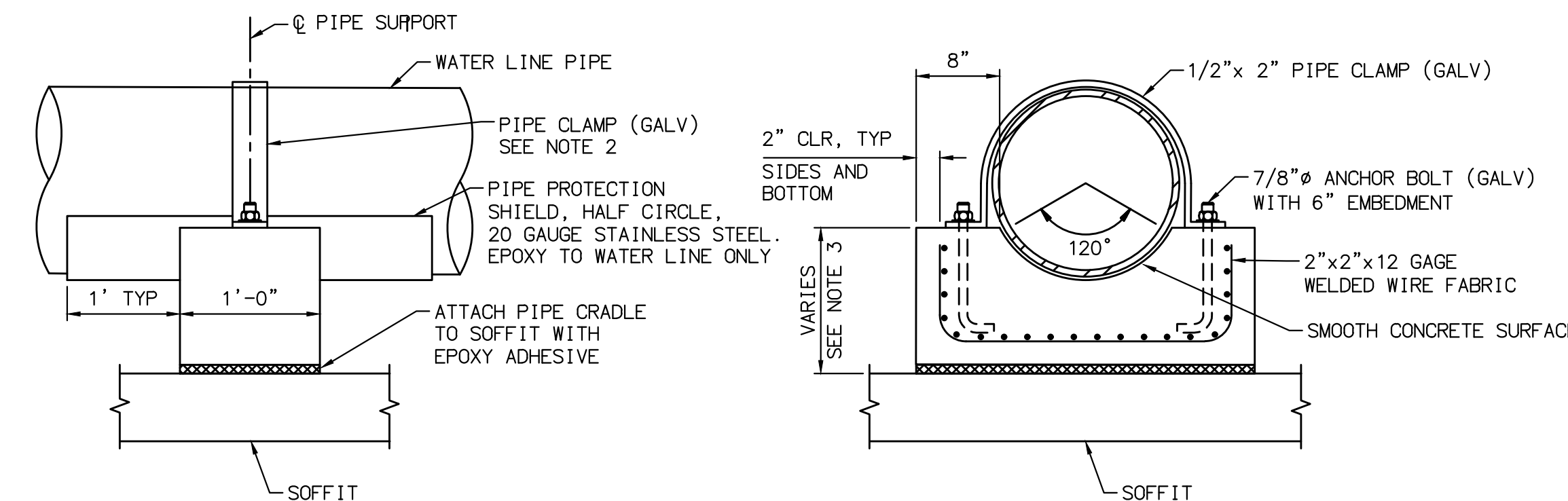
CALTRANS NOTE: IF CHANGES ARE MADE TO THIS DETAIL NEW COPIES MUST BE SENT TO CALTRANS TO UPDATE PERMIT SUBMITTAL.



AIR/VAC DETAIL

N.T.S.

3
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CONCRETE PIPE SUPPORT DETAIL

N.T.S.

4
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NOTES:

- PIPE MUST BE INSTALLED PARALLEL TO BRIDGE DECK.
- AT ALL PIPE SUPPORTS THE PIPE CLAMP MUST BE SHIMMED WITH STEEL WASHER PLATES TO PROVIDE 1/4" CLEARANCE BETWEEN WATER LINE AND PIPE CLAMP.
- VERTICAL DIMENSIONS OF CONCRETE PIPE SUPPORTS VARY WITH THE THICKNESS OF THE BOTTOM SLAB OF THE CONCRETE BOX GIRDER. SEE "TYPICAL SECTION - STAGE 1" AND "GIRDER LAYOUT - STAGE 1" SHEETS FOR BOX GIRDER DIMENSIONS.

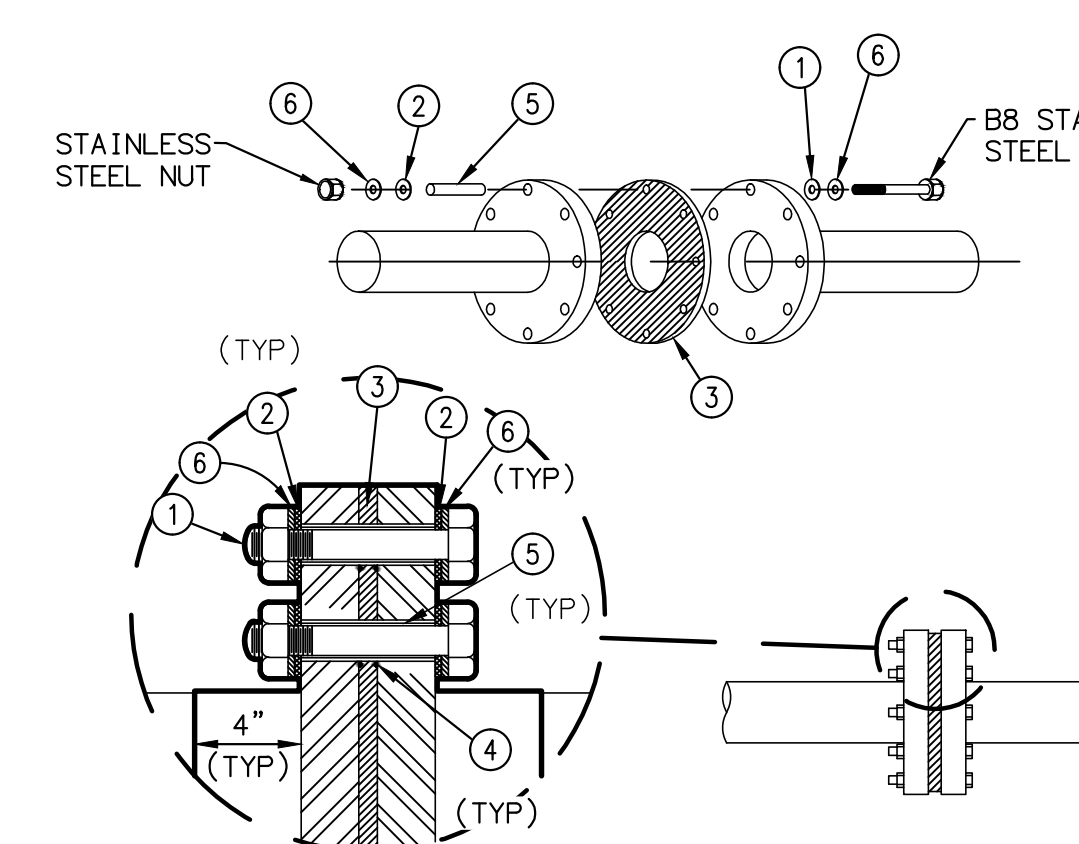
UTILITY WEIGHTS:
PIPE (EMPTY): 38.7 PLF
PIPE FILLED WITH WATER: 93.0 PLF
CONCRETE SUPPORT EQUIVALENT LOAD: 70 PLF
TOTAL WEIGHT: 170 PLF

MATERIALS

- PROTECTIVE COATING: MICROCRYSTALLINE WAX AND PETROLATUM TAPE OR APPROVED EQUAL.
- WASHER: INSULATING EPOXY GLASS
- GASKET: INSULATING G-10 GASKET
- NEOPRENE SEAL OR EQUAL
- SLEEVE: INSULATING EPOXY GLASS 1/32" THICK. ID = BOLT DIAMETER + 1/64"
- WASHER: STAINLESS STEEL 1/8" THICK

NOTES:

- WHEREVER POSSIBLE, INSULATING FLANGE ASSEMBLIES SHOULD BE ASSEMBLED PRIOR TO INSTALLATION & TESTED ELECTRICALLY TO ENSURE THAT INSULATING IS EFFECTIVE.
- INSULATING MATERIALS SHOULD BE ORDERED AS A SET BY FLANGE SIZE & FLANGE RATING. ONE SET OF INSULATING MATERIALS INCLUDES G-10 INSULATING GASKET, SLEEVES & WASHERS AND STEEL BACK-UP WASHERS. GASKET SHALL BE SELF CENTERING.
- INSULATING FLANGE SHALL BE TESTED PER NACE SP0286 PRIOR TO BACKFILL.



DIELECTRIC INSULATING FLANGE

N.T.S.

5
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DIG ALERT
DIAL TOLL FREE
1-800-227-2600
AT LEAST TWO DAYS
BEFORE YOU DIG
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA



PREPARE UNDER THE SUPERVISION OF:
Olga I. Shevchenko
OLGA I. SHEVCHENKO
ENGINEER OF RECORD RCE C 78031
DATE: 11/21/25

| REVISIONS | | | |
|-----------|----|------|---------|
| NO. | BY | DATE | REMARKS |
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APPROVED BY RIVERSIDE COUNTY
DEPARTMENT OF FIRE PROTECTION
FIRE MARSHAL
DATE

CITY OF INDIO
PUBLIC WORKS APPROVAL
PLAN CHECKED BY
JUAN RAYA, P.E.
CITY ENGINEER
RCE C 68510
DATE

DESIGN BY
DRAWN BY
CHECKED BY
SCALE

FIRM NAME:
Michael Baker INTERNATIONAL
ADDRESS: 40810 COUNTY CENTER DR., SUITE 200
TEMECULA, CA 92591
PHONE NO. (951) 678-8042

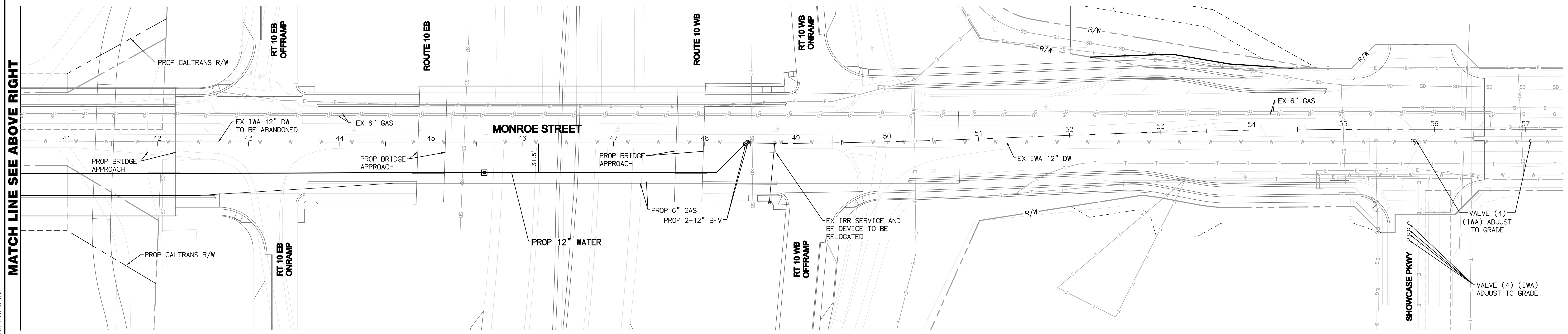
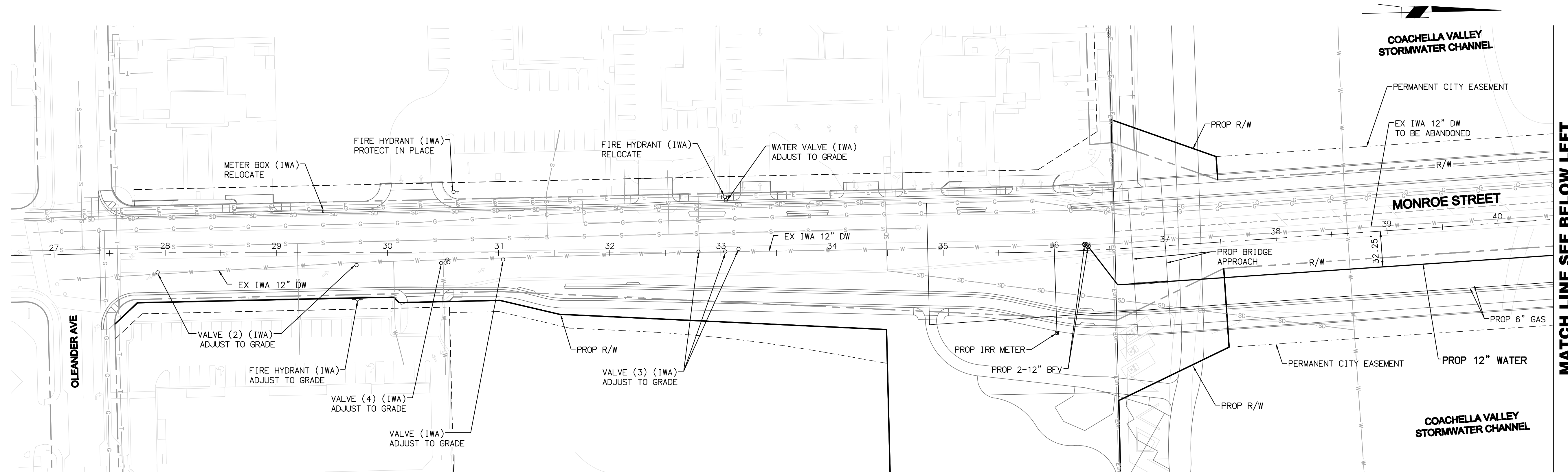
INDIO WATER AUTHORITY APPROVAL
APPROVAL SIGNATURE BELOW (SIGNIFY ONLY CONCURRENCE WITH THE GENERAL PURPOSES AND GENERAL LOCATION OF THE PROPERTY. ALL TECHNICAL DETAILS REMAIN THE RESPONSIBILITY OF THE ENGINEER PREPARING THE PLANS.)
REYMUNDO TREJO, P.E.
GENERAL MANAGER RCE C 68662
DATE

INDIO water authority
TELEPHONE 83-101 Avenue 45, Indio, CA 92201 (760) 391-4038
FAX 760 391-6433
www.indiowater.org

CITY OF INDIO
I-10 MONROE WATER RELOCATION
**DETAILS
OVERCROSSING BRIDGE**

DRAWING **D-2**
SHEET **6** OF **7**
DATE
IWA NO.

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DIG ALERT
 DIAL TOLL FREE
 1-800-227-2600
 AT LEAST TWO DAYS
 BEFORE YOU DIG
 UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

| REVISIONS | | | |
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| NO. | BY | DATE | REMARKS |
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APPROVED BY RIVERSIDE COUNTY
 DEPARTMENT OF FIRE PROTECTION

FIRE MARSHAL _____ DATE _____

CITY OF INDIO
 PUBLIC WORKS APPROVAL

PLAN CHECKED BY _____ DATE _____

JUAN RAYA, P.E.
 CITY ENGINEER
 RCE C 68510



PREPARE UNDER THE SUPERVISION OF:

Olga I. Shevchenko 11/21/25
 OLGA I. SHEVCHENKO DATE
 ENGINEER OF RECORD RCE C 78031

FIRM NAME: **Michael Baker INTERNATIONAL**

ADDRESS: 40810 COUNTY CENTER DR., SUITE 200
 TEMECULA, CA 92591

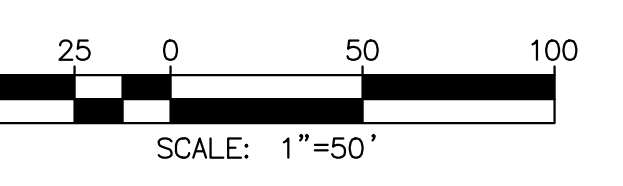
PHONE NO. (951) 678-8042

INDIO WATER AUTHORITY APPROVAL

APPROVAL SIGNATURE BELOW (SIGNIFY ONLY CONCURRENCE WITH THE GENERAL PURPOSES AND GENERAL LOCATION OF THE PROPERTY. ALL TECHNICAL DETAILS REMAIN THE RESPONSIBILITY OF THE ENGINEER PREPARING THE PLANS.)

REYMUENDO TREJO, P.E. _____ DATE _____
 GENERAL MANAGER RCE C 68662

TELEPHONE 83-101 Avenue 45, Indio, CA 92201 FAX
 (760) 391-4038 www.indiowater.org (760) 391-6433



CITY OF INDIO
 I-10 MONROE WATER RELOCATION
 IWA UTILITIES

DRAWING **D-3**
 SHEET **7** OF **7**
 DATE _____
 IWA NO. _____

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| ITEM No. | DESCRIPTION | ESTIMATED QUANTITY | UNIT | UNIT COST | TOTAL COST |
|--------------------------------------|---|--------------------|------|-----------|------------------|
| 1 | Mobilization/Demobilization, Bonding and Insurance | 1 | LS | \$89,000 | \$89,000 |
| 2 | Furnish and place all materials and labor to provide a complete asphalt repair in accordance with Agency requirements and as shown on the drawings to provide a finished and uniform pavement surface. | 170 | SY | \$40 | \$6,800 |
| 3 | Provide and install all excavation safety measures in accordance with State Labor Code Sections 6705 and 6707, trench excavation plan requirement and sheeting, shoring and bracing. | 1 | LS | \$30,000 | \$30,000 |
| 4 | Furnish and Install restrained 12-inch Ductile Iron Pipe Class 250, and all fittings in accordance with the contract plans and specifications. | 1252 | LF | \$420 | \$525,840 |
| 5 | Pressure test and disinfect the installed pipeline in accordance with the contract specifications. | 1 | LS | \$25,000 | \$25,000 |
| 6 | Provide and install 12-inch Butterfly Valve per IWA Standard drawing 713 E | 4 | EA | \$5,500 | \$22,000 |
| 7 | Provide and install 2-inch Air vacuum and air release valve assembly | 1 | EA | \$4,000 | \$4,000 |
| 8 | Complete connections to the existing pipelines at station 36+27.08 in accordance with the contract plans and specifications. | 1 | LS | \$10,000 | \$10,000 |
| 9 | Complete connections to the existing pipelines at station 48+46.84 in accordance with the contract plans and specifications. | 1 | LS | \$10,000 | \$10,000 |
| 10 | Furnish and install 12" Expansion-Deflection Fitting | 6 | EA | \$24,000 | \$144,000 |
| 11 | Furnish and install 20" welded steel casing within bridge approach as shown per plans. | 140 | LF | \$550 | \$77,000 |
| 12 | Complete the balance of the Project including all work not specifically called out in bid items 1 – 11 in order to provide WMWD with a complete correctly functioning facility and to restore the Project site as required by the Project plans and specifications. | 1 | LS | \$25,700 | \$25,700 |
| Total Probable Base Bid Price | | | | | \$969,340 |

Vicinity Map Monroe Street Interchange Project

