

Agenda Item No. D-4

DATE SUBMITTED 05/28/25
SUBMITTED BY PUBLIC SERVICES
DATE ACTION REQUIRED 06/04/25

COUNCIL ACTION (X)
PUBLIC HEARING REQUIRED ()
RESOLUTION ()
ORDINANCE 1ST READING ()
ORDINANCE 2ND READING ()
CITY CLERK'S INITIALS ()

IMPERIAL CITY COUNCIL AGENDA ITEM

SUBJECT: DISCUSSION/ACTION: **Aten Road Sewer Line Replacement Project – Phase II:
CIP #848 (BID NO. 2025-06)**

1. Award construction contract to Rove Engineering, Inc.
2. Authorize 10% Contingency

DEPARTMENT INVOLVED: PUBLIC SERVICES

BACKGROUND/SUMMARY:

The Public Services Department was directed by City Council per Agenda Item CC04-16-25_Item-C6 to conduct a competitive BID process for the Aten Road Sewer Line Replacement Project -Phase II: CIP #848 (Bid No. 2025-06).

This project will continue the 21-inch diameter sewer pipeline from Preble Road to the Claypool Pump Station. The Claypool Pump station will be relocated and the concrete wet well will be replaced. The existing wet well is six feet in diameter, and the new wet well will be 12 feet in diameter to allow for more storage capacity for the pumps. The 21-inch sewer pipeline is designed to reduce the impact to traffic at the intersection of Old Hwy 86 and Aten Blvd. and reduce costs as much as possible.

See attached Exhibit "1" (project plans) for details.

Staff released a "Notice Inviting Sealed Bids" published on the city website and in the Imperial Valley Press. The following bid was received during the formal bid process:

1. Rove Engineering, Inc, \$1,873,553.00

See attached Exhibit "2" (Bid Opening Act) for details.

Public Services has determined that the bid submitted by Rove Engineering Inc., is the lowest, responsive and responsible bidder. Therefore, it is requested the project be awarded to Rove Engineering Inc.

As the infrastructure around the city is severely aged and under stress, it is also recommended to authorize a 10% Contingency for the construction of this project to cover costs associated with potential unforeseen conditions. If authorized, it will reduce the likelihood of project delays.

FISCAL IMPACT:

\$1,873,553.00

Funds will be expended from wastewater enterprise funds through account 54-848-5210. Project is in the FY 25-26 Capital Improvement Plan (CIP).

FINANCE
INITIALS

JMS

STAFF RECOMMENDATION:

It is the department's recommendation to award contract to Rove Engineering, Inc. in the amount of \$1,873,553.00 and authorize 10% contingency.

DEPT.
INITIALS



MANAGER'S RECOMMENDATION:



CITY
MANAGER's
INITIALS



MOTION:

SECONDED:

AYES:

NAYES:

ABSENT:

APPROVED ()

DISAPPROVED ()

REFERRED TO:

REJECTED ()

DEFERRED ()

EXHIBIT "1"

SHEET INDEX

OWNER
CITY OF IMPERIAL
423 S. IMPERIAL AVE.
IMPERIAL, CA 92241
TEL. 760-355-3840

ENGINEER
DYNAMIC CONSULTING ENGINEERS, INC.
10000 W. WILLOW CREEK DRIVE, STE. B
IMPERIAL, CA 92221

TEL (760) 545-0162
FAX (760) 545-0163

CITY OF IMPERIAL

DANIELA BEEB, P.E.
DIRECTOR
402 S. IMPERIAL AVE.
IMPERIAL, CA 92343
PHONE: 760-255-3338
FAX: 760-255-3338

JESUS MELLICAM
MANAGER
402 S. IMPERIAL AVE.
IMPERIAL, CA 92343
PHONE: 760-255-3449
FAX: 760-255-3449

OTISCH NORDIA
GENERAL MANAGER
402 S. IMPERIAL AVE.
IMPERIAL, CA 92343
PHONE: 760-255-3454
FAX: 760-255-3454

GAIL CORPENT
DEPUTY GENERAL MANAGER
402 S. IMPERIAL AVE.
IMPERIAL, CA 92343
PHONE: 760-255-3510
FAX: 760-255-3571

WATER AND ENERGY DEPARTMENT
IMPERIAL IRRIGATION DISTRICT
402 S. IMPERIAL AVE.
IMPERIAL, CA 92343
PHONE: 760-255-3260
FAX: 760-255-3260

[illegible]

1. TITLE SHEET VICINITY MAP AND GENERAL NOTES
2. SEWER GENERAL NOTES
3. IMPERIAL AVE. SEWER IMPROVEMENTS STA 17+11 TO STA 28+00
4. IMPERIAL AVE. SEWER IMPROVEMENTS STA 28+00 TO STA 37+50
5. IMPERIAL AVE. SEWER IMPROVEMENTS STA 37+50 TO STA 45+44
6. NEW SEWER WET WELL SITE PLAN
7. WET WELL DETAILS

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7. WET WELL DETAILS

CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME RESPONSIBILITY FOR THE PROTECTION OF ALL UTILITIES DURING THE COURSE OF CONSTRUCTION OF THE PROJECT INCLUDING SALES AND SERVICE OF THE PROJECT. THIS REQUIREMENT SHALL BE MADE TO APPLY TO CONSTRUCTION CONTRACTOR FURTHER AGREES TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK UNDER THIS PROJECT EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGNER.

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES, CONDUITS OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS TO THE BEST OF THE CONTRACTOR'S KNOWLEDGE. THERE ARE NO EXISTING UTILITIES SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE DUE CARE TO BE PRECAUTIONARY AS TO THE LOCATION OF ANY UTILITIES. THE CONTRACTOR FURTHER ASSUMES ALL LIABILITY AND RESPONSIBILITY FOR THE UTILITY PIPES, CONDUITS OR STRUCTURES SHOWN OR NOT SHOWN ON THESE DRAWINGS.

NOTE: ANY REFERENCES TO SPECIFIC MANUFACTURERS OR MODELS ARE FOR DESCRIPTIVE PURPOSES ONLY. CONTRACTORS ARE ALLOWED TO PROVIDE APPROVED EQUAL MATERIALS OR PRODUCTS SUBJECT TO ENGINEER'S APPROVAL.

JAMES TUCKER
IDA OBESO-MARTINEZ
ROBERT AMPARANO
KATHERINE BURNWORTH
STACY MENDOZA

PARTICIPATING CITY STAFF

DENNIS MORITA	CITY MANAGER
KRISTINA SHELDS	CITY CLERK
OTHON MORA	CITY PLANNER
DAVID DALE PE PLIS	PUBLIC SERVICES DIRECTOR
JESUS VILLEGAS	ENGINEERING DEPARTMENT

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THE PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

WE UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY CLIENTS OR OTHERS IS CONFINED TO A REVIEW ONLY OF THE WORK, AND NOT A REVIEW OF THE ENGINEER'S RESPONSIBILITY FOR THE PROJECT DESIGN.

DATE	CARLOS BELTRAN, P.E.
	R.C.E. # 69121

420 South Imperial Avenue
Imperial, CA 92251

Ph: (760) 355-4371 • Fax: (760) 355-4711

BENCH MARK:
BENCHMARK ELEVATION = 945.52' (NVD '88 + 1000")

BENCHMARK DESCRIPTION (STAMPED "D2223")

THE STATION MARK IS A RETAINING WALL BENCHMARK DISK SET IN A RETAINING WALL 0.15 MILE NORTH OF THE CROSSING OF ATEN ROAD, IN THE JUNCTION OF A SPIR TRACK SOUTH, IN THE TOP OF 1.0 FOOT SOUTH OF THE NORTH END OF THE EAST CONCRETE HEADWALL.

PREPARED UNDER THE DIRECT SUPERVISION OF

CARLOS L. BELTRAN, P.E.

DATE 06/30/2006

DATE	REG. EXP.
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PREPARED UNDER THE DIRECT SUPERVISION OF
PROJECT TITLE: ATEN ROAD AND IMPERIAL AVE SEWER IMPROVEMENTS
CITY OF IMPERIAL

PROJECT PHASE 2 - BID NO. 2025-06

69,121		TITLE SHEET VICINITY MAP	
CARLOS L. BELTRAN, P.E.		R.C.E. NO.	SHEET CONTENT

DATE _____ DATE _____ REC. FILED _____

DATE	REG. EXP.
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SHEET 4

DRAWN BY: UG, PM

REVISED BY: CB	OF 8 SHEET
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	JOB NO.
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APRIL 16, 2025

DCE 392724

SHEET 4

DRAWN BY: UG, PM

REVISED BY: CB	OF 8 SHEET
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	JOB NO.
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APRIL 16, 2025

DCE 392724

THE WORK SPECIFIED UNDER THIS SECTION INCLUDES THE MANUFACTURE, CONSTRUCTION AND INSTALLATION OF POLYVINYLCHLORIDE (PVC) PIPE AND FITTINGS FOR WATER LINES AND FOR GRAVITY AND PRESSURE SANITARY SEWER.

POLYVINYL CHLORIDE (PVC) PRESSURE PIPE, FOUR (4) INCH THROUGH EIGHT (8) INCH, SHALL BE GREEN IN COLOR AND SHALL CONFORM TO THE CURRENT ASTM D2241, AWWA - C900, OR AWWA C909 STANDARD.

REHABILITATION TEST MANHOLES FOR LEAKAGE

- THE MAXIMUM LEAKAGE FOR HYDROSTATIC TESTING OR ANY ALTERNATIVE TEST METHODS IS 0.025 GALLONS PER FOOT DIAMETER PER FOOT OF MANHOLE DEPTH PER HOUR

- A TEST FOR CONCRETE MANHOLES MAY USE A 24-HOUR WETTING PERIOD BEFORE TESTING TO 11 MM SATURATION OF THE CONCRETE

TEST. THE INFILTRATION TEST SHALL BE USED WHEN THE GROUNDWATER LEVEL IS AT LEAST 2 FT ABOVE THE CROWN OF THE PIPE MEASURED AT THE UPSTREAM MANHOLE. THE LOW-PRESSURE AIR TEST, THE INFILTRATION TEST AND THE

TESTING PRESSURE.

PERMEATION TEST

SIZE OF POLE	ALLOWABLE LEADAGE, GAL. MIN/100 FT.
2"	0.0020
3"	0.0033
4"	0.0066
5"	0.0079
6"	0.0099
8"	0.0118
10"	0.0135
12"	0.0168
14"	0.0178
16"	0.0437
18"	0.0577

EQUIVALENT TO 5 GAL. PER INCH-CIRCUMFERENCE PER

STOP ALL DEMATION TESTS, EXECUTION
 STOP ALL DEMATION OPERATIONS AND ALLOW THE GROUNDWATER TO
 RETURN TO ITS NORMAL LEVEL AND ALLOW TO REMAIN SO FOR AT LEAST 24
 HOURS. LAGAGE SHALL BE DETERMINED BY MEASURING THE FLOW THROUGH
 THE LAGAGE. FIVE MEASUREMENTS SHALL BE MADE. THE AVERAGE OF THE
 FIVE MEASUREMENTS SHALL BE USED. DISCARDING ANY ONE OF THE
 MEASUREMENTS EXCEPT THE LAST THAT VARIES BY MORE THAN 50% FROM THE
 AVERAGE OF THE OTHER FOUR. IF THE RESULTS OF THE TESTS ARE OTHERWISE
 UNSATISFACTORY, THE LAST OF THE FIVE MEASUREMENTS SHALL LAGAGE IN
 ADDITIONAL LAGAGE. LAGAGE MAY HAVE DEVELOPED DURING TESTING.

[illegible]

AIR TEST EXECUTION
ADD AIR UNTIL THE INTERNAL AIR PRESSURE OF THE SEWER LINE IS RAISED TO APPROXIMATELY 3.5 PSIG. ALLOW THE AIR PRESSURE TO STABILIZE. THE PRESSURE WILL NORMALLY DROP UNTIL THE TEMPERATURE OF THE AIR IN THE LINE STABILIZES.
WHEN THE PRESSURE HAS STABILIZED AND IS AT OR ABOVE THE STARTING TEST PRESSURE OF 3 PSIG, COMMENCE THE TEST BY ALLOWING THE GAGE PRESSURE TO DROP TO 5 PSIG AT WHICH POINT THE TIME RECORDING IS INITIATED. RECORD THE DROP IN PRESSURE FOR THE TEST PERIOD.

MANDREL SIZING. THE RIGID MANDREL SHALL HAVE AN OUTSIDE DIAMETER (O.D.) EQUAL TO 98% OF THE INSIDE DIAMETER (I.D.) OF THE PIPE. THE INSIDE DIAMETER OF THE PIPE, FOR THE PURPOSE OF DETERMINING THE OUTSIDE DIAMETER OF THE MANDREL, SHALL BE THE AVERAGE OUTSIDE DIAMETER MINUS TWO MINIMUM WALL THICKNESSES FOR O.D. CONTROLLED PIPE AND THE AVERAGE INSIDE DIAMETER FOR I.D. CONTROLLED PIPE. ALL DIMENSIONS SHALL BE PER APPROPRIATE STANDARDS. STATISTICAL OR OTHER "TOLERANCE PACKAGES" SHALL NOT BE USED.

MANHOLE DESIGN
THE RIGID MANHOLE SHALL BE CONSTRUCTED OF A METAL OR RIGID PLASTIC MATERIAL THAT CAN WITHSTAND 300 PSI WITHOUT BEING DEFORMED. THIS MATERIAL SHALL HAVE NINE OR MORE RUNNERS OR LEGS AS LONG AS THE TOTAL NUMBER OF LEGS IS AN ODD NUMBER. THE BARREL SECTION OF THE MANHOLE SHALL HAVE A LENGTH OF AT LEAST 75% OF THE INSIDE DIAMETER OF THE PIPE. A PROVING RING SHALL BE PROVIDED AND USED FOR EACH SIZE OF MANHOLE IN USE.

CITY OF IMPERIAL
420 South Imperial Avenue
Imperial, CA 92251
Ph: (760) 355-4371 • Fax: (760) 355-4718

BENCH MARK:
 BENCHMARK DESCRIPTION (STANDARD 101225)
 THE STATION MARK IS A STANDARD BENCHMARK DISK SET IN A RETAINING WALL 0.15 MILE NORTH OF THE CROSSING OF ATEN ROAD AT THE JUNCTION OF A SPIRUE TRACT SOUTH IN THE TOP OF 10 FOOT SOUTH OF THE NORTH END OF THE LAST CONCRETE HEADWALL

DATE	06/30/27	R/C EXP
NAME	CARLOS L. BELTRAN, P E	
R/C E	69.121	

PROJECT TITLE:	CITY OF IMPERIAL
ATEN ROAD AND IMPERIAL AVE, SEWER IMPROVEMENTS PROJECT PHASE 2 - BID NO. 2025-06	
SHEET CONTENT:	SEWER GENERAL NOTES

SCALE:	SHEET
DRAWN BY: DB, FM	2
REVISED BY: CB	OF 8 SHEET
DATE: 16. 02.25	JOB NO. DCE 302724

THE TV INSPECTION SHALL BE USED TO IDENTIFY DEFECTIVE CONSTRUCTION SUCH AS SAGS, DEBRIS, SEPARATED JOINTS, ETC. THE CITY ENGINEER SHALL MAKE ALL FINAL DETERMINATIONS IF THE SEVERITY OF THE DEFECT CONSTITUTES FAILURE AND SUBSEQUENT REMOVAL OF THE SEGMENT IN QUESTION.

THIS CONNECTING NEW SEWER LINES TO EXISTING MANHOLES WILL BE PAID FOR AT THE UNIT PRICE BID IN THE PROPOSAL. FOR EACH CONNECTION MADE, THE PRICE WILL BE FULL REMUNERATION FOR MAKING THE CONNECTION COMPLETE, INCLUDING CUTTING THE HOLE IN THE MANHOLE, SHAPING THE BOTTOM OF THE MANHOLE OF NECESSARY GROUTING THE PIPE AND INCLUDING THE FURNISHING OF ALL EQUIPMENT, LABOR, MATERIALS, POWER, TOOLS, AND INCIDENTALS NECESSARY TO COMPLETE THE PIPE.

BY

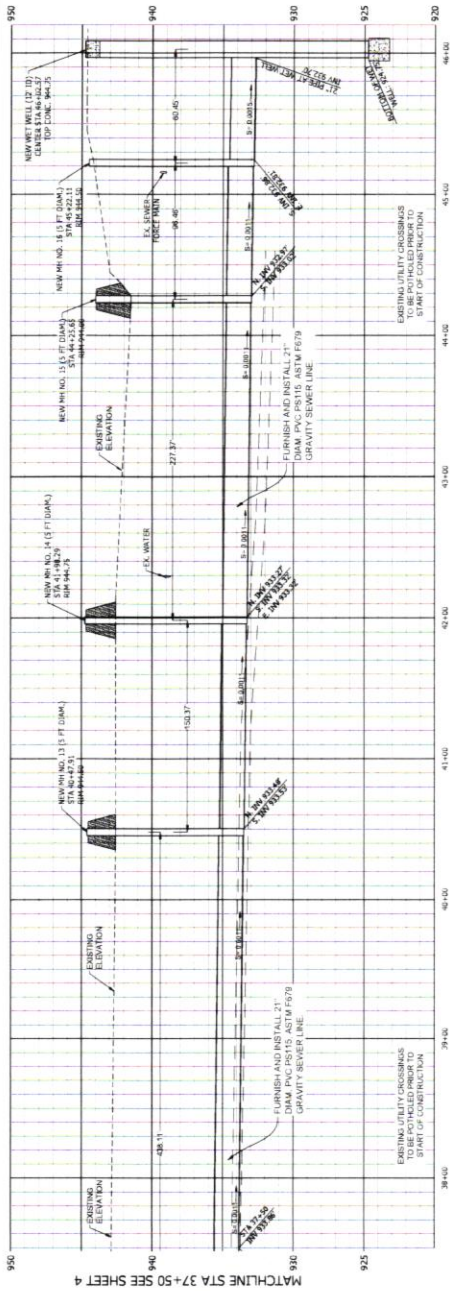
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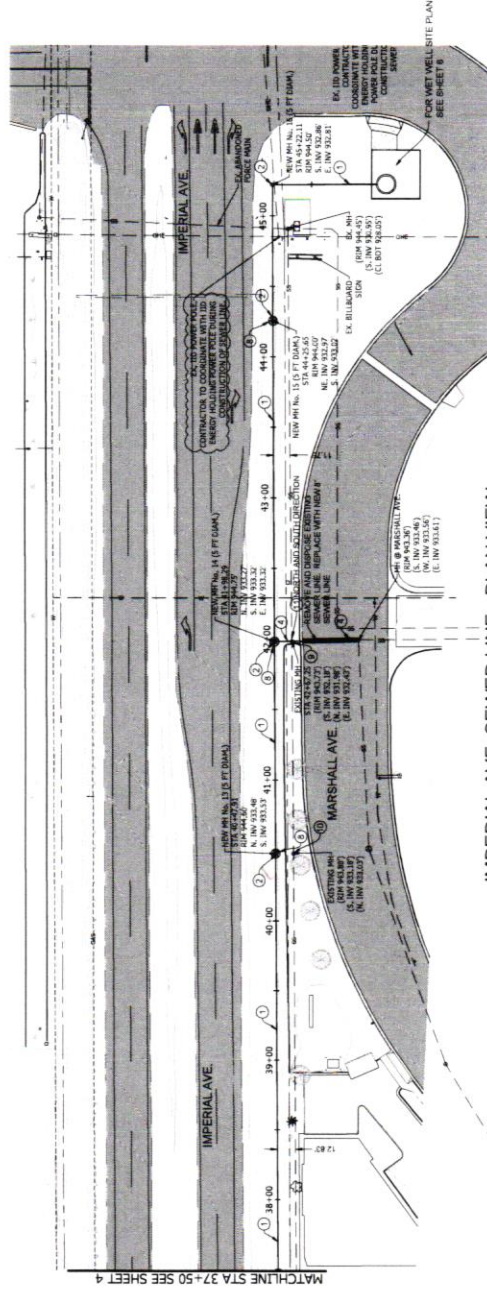
DATE	06/30/27	R/C EXP
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DATE: 16. 02.25	JOB NO. DCE 302724



IMPERIAL AVE. SEWER LINE - PROFILE
VERTICAL SCALE 1"=4'
HORIZONTAL SCALE 1"=40'



IMPERIAL AVE. SEWER LINE - PLAN VIEW

- SEWER CONSTRUCTION NOTES:**
1. EXISTING AND PROPOSED SEWER LINES SHALL BE CONSTRUCTED TO THE SAME DEPTH AND SHALL BE 15' DIA. UNLESS OTHERWISE NOTED.
 2. FURNISH AND INSTALL 15' DIA. NEW SEWER MANHOLE PER DETAIL TO SEE SHEET 8.
 3. CONNECT EXISTING SEWER LATERAL TO NEW SEWER LINE PER DETAIL TO SEE SHEET 8.
 4. FURNISH AND INSTALL 15' DIA. NEW SEWER MANHOLE PER DETAIL TO SEE SHEET 8.
 5. CONNECT NEW SEWER LINE TO EXISTING SEWER MANHOLE PER DETAIL TO SEE SHEET 8.
 6. RELOCATE EXISTING CONCRETE DRAINAGE PIPE AWAY FROM NEW SEWER MANHOLE.
 7. BACKFILL AROUND MANHOLE PER DETAIL 14. SEE SHEET 8.
 8. REMOVE AND EXPOSE EXISTING SEWER MANHOLE.
 9. AMBASSADOR EXISTING SEWER MANHOLE. FILL MANHOLE WITH 24\"/>

NOTE: HORIZONTAL AND VERTICAL LOCATIONS OF THE EXISTING UNDERGROUND UTILITIES ILLUSTRATED ON THE PLANS ARE UNKNOWN. THE EXISTING LOCATION OF UNDERGROUND ELECTRICAL CABLE, COMMUNICATION LINES, GAS LATERALS, SANITARY SEWER LATERALS, AND WATER MAINS ARE UNKNOWN AND NOT ILLUSTRATED ON THE PLANS. AN EFFORT WAS MADE TO LOCATE UTILITIES DURING DESIGN PHASE. HOWEVER, THERE MAY BE ADDITIONAL UNDERGROUND UTILITIES NOT ILLUSTRATED ON THE PLANS. CONTRACTOR SHALL LOCATE THE EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL PROCEED WITH THE CONSTRUCTION OF THE NEW SEWER PIPELINE ALIGNMENT WITHIN FIVE (5) DAYS FROM THE ISSUANCE OF THE NOTICE TO PROCEED TO IDENTIFY POTENTIAL CONFLICTS. IF ANY, THE CONTRACTOR SHALL COORDINATE THE CONSTRUCTION OF THE NEW SEWER PIPELINE WITH THE UTILITY COMPANIES. THE CONTRACTOR SHALL OBSERVE AND IDENTIFY AS TOO SHALLOW BY THE UTILITY COMPANIES. IF NECESSARY, PIPELINES SHALL BE PROTECTED BY USING LIGHTER COMPACTOR EQUIPMENT IN THE VICINITY OF THE UTILITIES.

Dynamic CONSULTING ENGINEERS

Civil Engineering - Surveying - Construction Management

1400 S. BUSINESS PARK DRIVE, SUITE B
IMPERIAL, CA 92251
TEL: (760) 365-4371 FAX: (760) 365-4378
www.dynamic-engineers.com

APPROVED BY: DIRECTOR OF PUBLIC SERVICES
CITY OF IMPERIAL, CA

BY: DAVID B. DALE, P.E.
DATE: 08/20/28

PROJECT TITLE: CITY OF IMPERIAL
ATEN ROAD AND IMPERIAL AVE. SEWER IMPROVEMENTS
PROJECT PHASE 2 - BID NO. 2025-06

SHEET: 5
OF 8 SHEET
JOB NO.: DCE 392774
DATE: APRIL 16, 2025

NO WORK SHALL BE DONE ON THIS PROJECT WITHOUT THE ISSUANCE OF A TOLL FREE UNDERGROUND SERVICE ALERT (USA) CALL: 1-800-727-7600

REVIEWED BY: CARLOS L. BELTRAN, P.E.
DATE: 08/20/28

REVIEWED BY: CARLOS L. BELTRAN, P.E.
DATE: 08/20/28

BENCH MARK:
BENCH MARK ELEVATION: 945.32 (UNIT 86-11000)
THE STATION MARK IS A STANDARD BENCH MARK
NORTH OF THE CROSSING OF ATEN ROAD AT
THE TOP OF 10' DIRT SOUTH OF THE NORTH
END OF THE EAST CONCRETE HEADWALL.

CITY OF IMPERIAL
420 South Imperial Avenue
Imperial, CA 92251
Ph: (760) 355-4371 • Fax: (760) 355-4718

REVISIONS:

NO.	REVISIONS	DATE

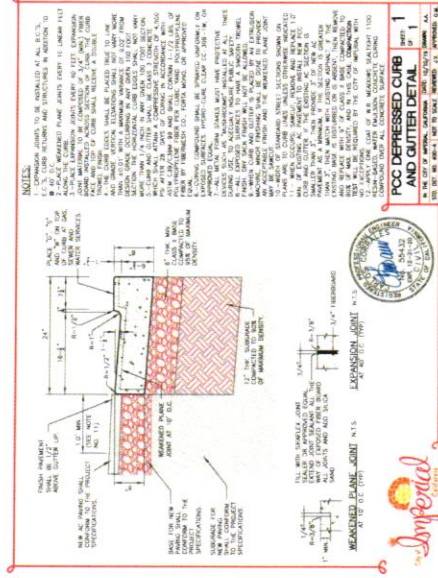
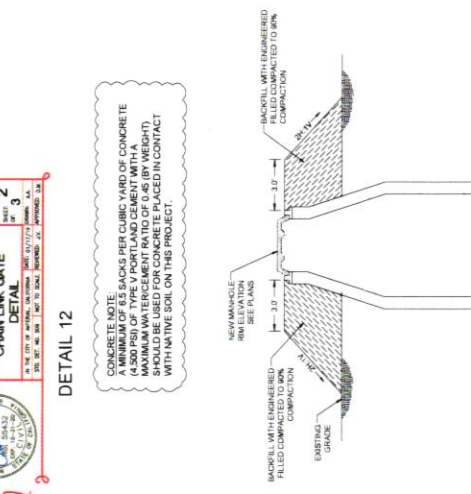
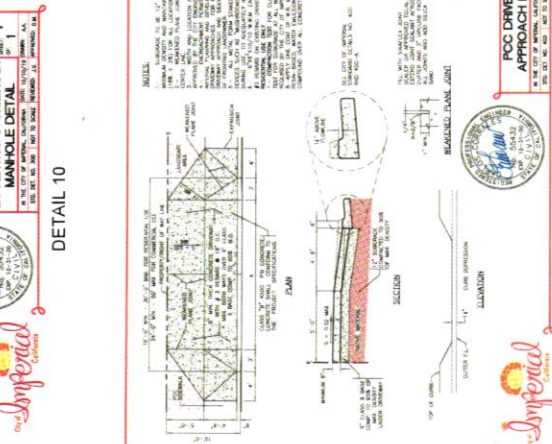
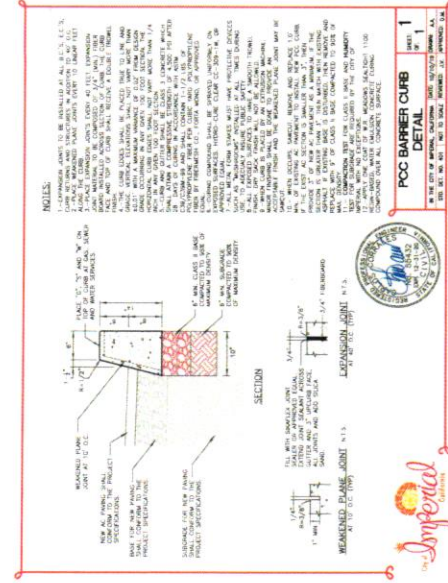
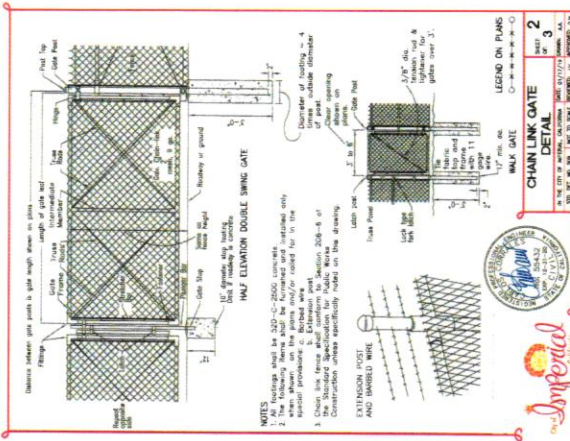
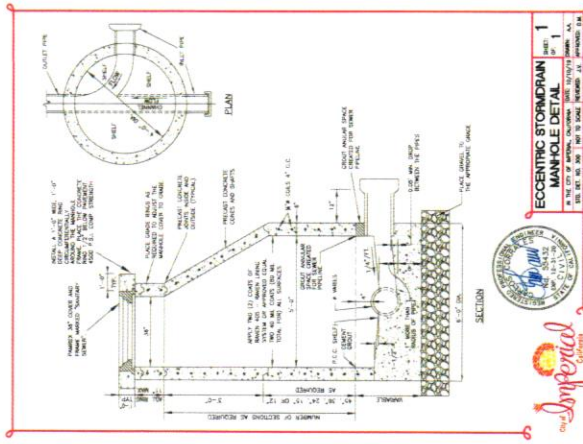
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EXHIBIT "2"



BID Opening Act

BID No. 2025-06

ATEN RD AND IMPERIAL AVENUE SEWER LINE REPLACEMENT PROJECT PHASE 2

Bids received by: Aimee Osuna, Public Records Analyst

Were opened at: 400 S. Imperial Ave, Suite 102 **on:** May 22, 2025

By: Aimee Osuna

Witnessed by:

Signature

Jenell Guerrero

J. Guerrero

Company

Rove

Total Bid Amount

\$1,873,553.00

Bid Bond

✓

Bids were given to Jenell Guerrero for study and
recommendation for City Council.

MO

5/22/25
Date