

CITY OF IMPERIAL, CA

MANHOLE AND LIFT STATION REHABILITATION AND NEW MANHOLE INSTALLATION

BID NO. 2025-01

CITY OF IMPERIAL GENERAL NOTES FOR SANITARY SEWER SYSTEMS

- ALL SEWER MAIN CONSTRUCTION SHALL CONFORM TO THE MOST RECENT CITY OF IMPERIAL (CITY) DEVELOPMENT DESIGN MANUAL, SANITATION STANDARD DRAWINGS, AND THE CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL PERFORM A PRE- AND POST-CONSTRUCTION SURVEY AND VIDEO OF EXISTING IMPROVEMENTS WITHIN THE PROJECT SITE TO PROVIDE A RECORD OF PRECONSTRUCTION CONDITIONS IN ACCORDANCE WITH PROJECT SPECIFICATIONS.
- THE CONTRACTOR SHALL POSSESS A VALID CLASS A STATE OF CALIFORNIA CONTRACTORS LICENSE.
- ALL WORK SHALL BE INSPECTED BY THE CITY. WORK PERFORMED WITHOUT INSPECTION SHALL BE REJECTED.
- CONTRACTOR SHALL PERFORM ALL TESTING IN ACCORDANCE WITH PROJECT SPECIFICATIONS.
- CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT IN PLACE ALL EXISTING UTILITIES. EXISTING UTILITIES (WATER, TELEPHONE, GAS, ETC.) SHALL REMAIN IN OPERATION AT ALL TIMES, UNLESS APPROVED IN WRITING BY APPROPRIATE UTILITY COMPANY.
- REPLACEMENT PAVING IN ALL PAVED ROADS, GRINDING AND CAPPING, TRAFFIC CONTROL, RESTRIPING, SPECIAL TRENCH BACKFILL, SPECIAL CLASS 2 BASE REQUIREMENTS, ETC. SHALL BE IN ACCORDANCE WITH THE APPLICABLE ENCROACHMENT PERMIT REQUIREMENTS. THE CONTRACTOR SHALL NOTIFY THE CITY AT LEAST 48 HOURS PRIOR TO STARTING CONSTRUCTION.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL AND MAINTAIN ALL CONSTRUCTION, REGULATORY, GUIDE WARNING SIGNS WITHIN THE PROJECT LIMITS AND ITS SURROUNDINGS AND TO PROVIDE SAFE PASSAGE FOR THE TRAVELING PUBLIC AND WORKING UNTIL THE FINAL COMPLETION AND ACCEPTANCE OF THE PROJECT BY THE CITY.
- THE CONTRACTOR SHALL NOTIFY THE CITY AT LEAST TWO WORKING DAYS PRIOR TO CONSTRUCTION.
- APPROVAL BY CITY IMPLIES NO PERMISSION OTHER THAN THAT WITHIN THE CITY'S JURISDICTION. ALL PERMITS REQUIRED BY LAW SHALL BE ACQUIRED BY THE APPLICANT OR HIS CONTRACTOR. REQUIREMENTS OF THE CITY SHALL TAKE PRECEDENCE OVER REQUIREMENTS OF OTHER AGENCIES ONLY WHERE CITY REQUIREMENTS ARE MORE STRINGENT.
- ALL CONSTRUCTION SHALL CONFORM TO CURRENT CAL OSHA SAFETY REQUIREMENTS. CONTRACTOR SHALL SHORE ALL TRENCHES AND CONDUCT ALL CONSTRUCTION AND OPERATIONS IN ACCORDANCE WITH CAL-OSHA REQUIREMENTS.
- CONTRACTOR SHALL DESIGNATE A QUALIFIED SUPERINTENDENT WITH FULL AUTHORITY TO ACT ON BEHALF OF THE CONTRACTOR. SAID SUPERINTENDENT SHALL BE ON THE JOB SITE AT ALL TIMES.
- DURING THE CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE ALL NECESSARY MEANS TO PROTECT IN PLACE AND SUPPORT ALL EXISTING UTILITIES, EXISTING BACKFILL MATERIAL, EXISTING PAVEMENT, ETC. IF SURROUNDING BACKFILL AND PAVING FAILS DURING CONSTRUCTION, CONTRACTOR SHALL PROVIDE FOR ALL RESTORATION OF BACKFILL, COMPACTION, SUB-BASE, BASE PAVEMENT, GRIND AND CAP PER ENCROACHMENT PERMIT REQUIREMENTS AT NO ADDITIONAL COST TO CONTRACT.

NOTE TO CONTRACTOR: EXISTING UTILITIES

THE LOCATIONS OF UNDERGROUND UTILITIES SHOWN ON THE PLANS WERE OBTAINED FROM A REVIEW OF AVAILABLE RECORD DATA. WHILE DUE CARE WAS TAKEN IN PREPARATION OF THIS INFORMATION, THE OWNER CANNOT AND DOES NOT GUARANTEE THE ACCURACY NOR THE COMPLETENESS OF THE INFORMATION. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATIONS OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK.

THE CONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH RESULT FROM HIS FAILURE TO LOCATE EXACTLY AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. THE CONTRACTOR SHALL POTHOLE ALL PROPOSED CROSSINGS OF EXISTING UTILITIES PRIOR TO CONSTRUCTION. IN THE EVENT THAT UNKNOWN UTILITIES OR UNKNOWN STRUCTURES ARE FOUND AT UNEXPECTED ELEVATIONS OR LOCATIONS, THE OWNER IS TO BE NOTIFIED OF SUCH CONDITION AT ONCE. THE ENGINEER WILL MAKE ANY REQUIRED DESIGN CHANGES AND THE CONTRACTOR AGREES TO COMPLETE ALL WORK, INCLUDING REPAIRS REQUIRED, IN AN EXPEDITIOUS MANNER.

ANY DISCREPANCY BETWEEN THE PLANS AND FIELD SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER. THE CONTRACTOR SHALL NOTIFY THE OWNER PRIOR TO POTHOLING. IF NECESSARY, THE OWNER SHALL REVISE THE PLANS. THE CONTRACTOR SHALL BEGIN CONSTRUCTION AFTER REVISIONS ARE APPROVED.

NOTICE TO CONTRACTOR EXISTING SURVEY MONUMENTS

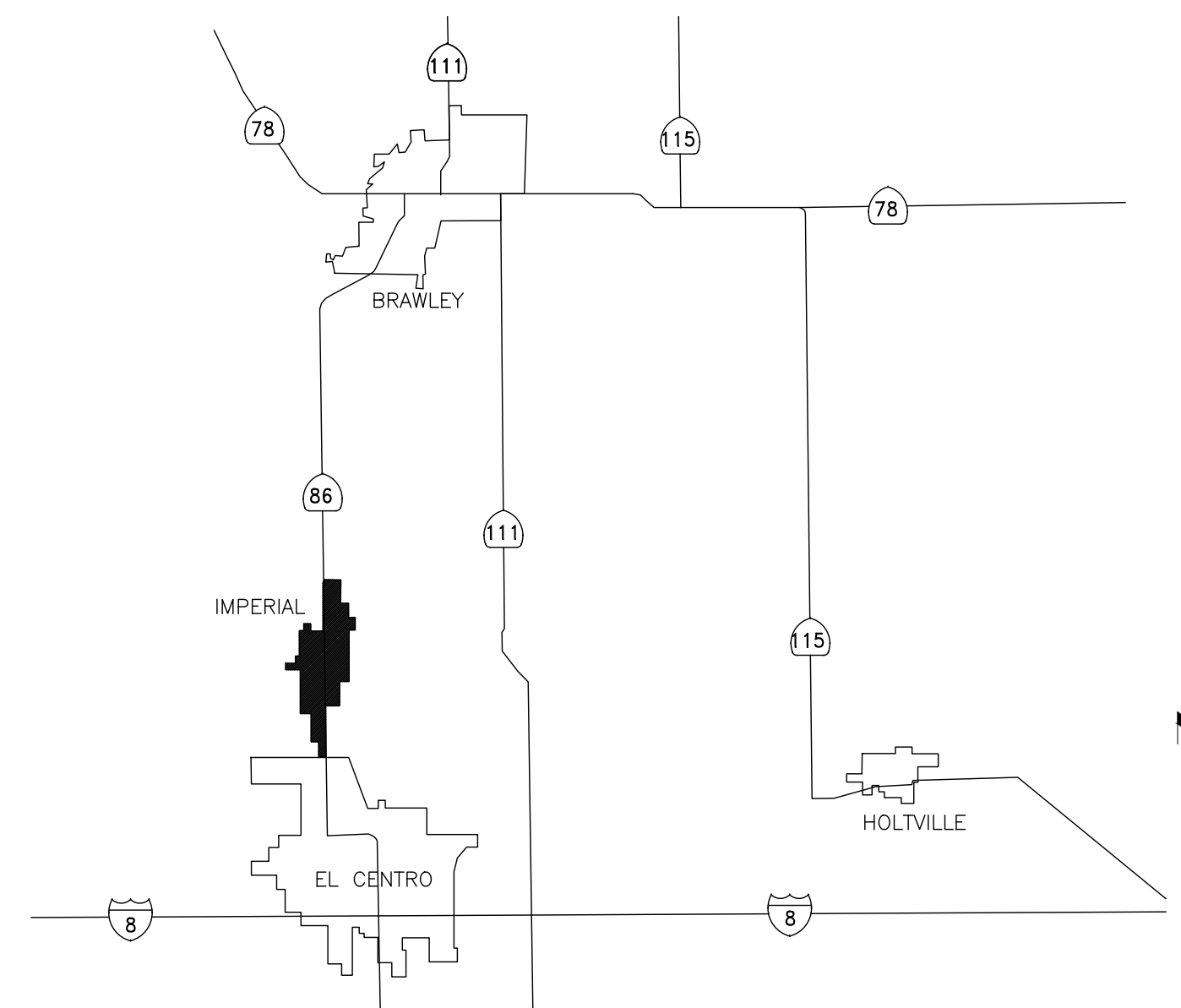
THE CONTRACTOR IS TO USE HIS OR HER BEST EFFORTS TO MAINTAIN THE INTEGRITY AND LOCATIONS OF THE EXISTING SURVEY MONUMENTS OR REPLACE THEM. IF FOR ANY REASON THE CONTRACTOR INADVERTENTLY DAMAGES OR NEEDS TO REMOVE AN EXISTING SURVEY MONUMENT DURING CONSTRUCTION, MONUMENTS SHALL BE REMOVED AND REPLACED IN ACCORDANCE WITH SECTION 331100-309.

NOTE TO CONTRACTOR: SITE CONDITIONS

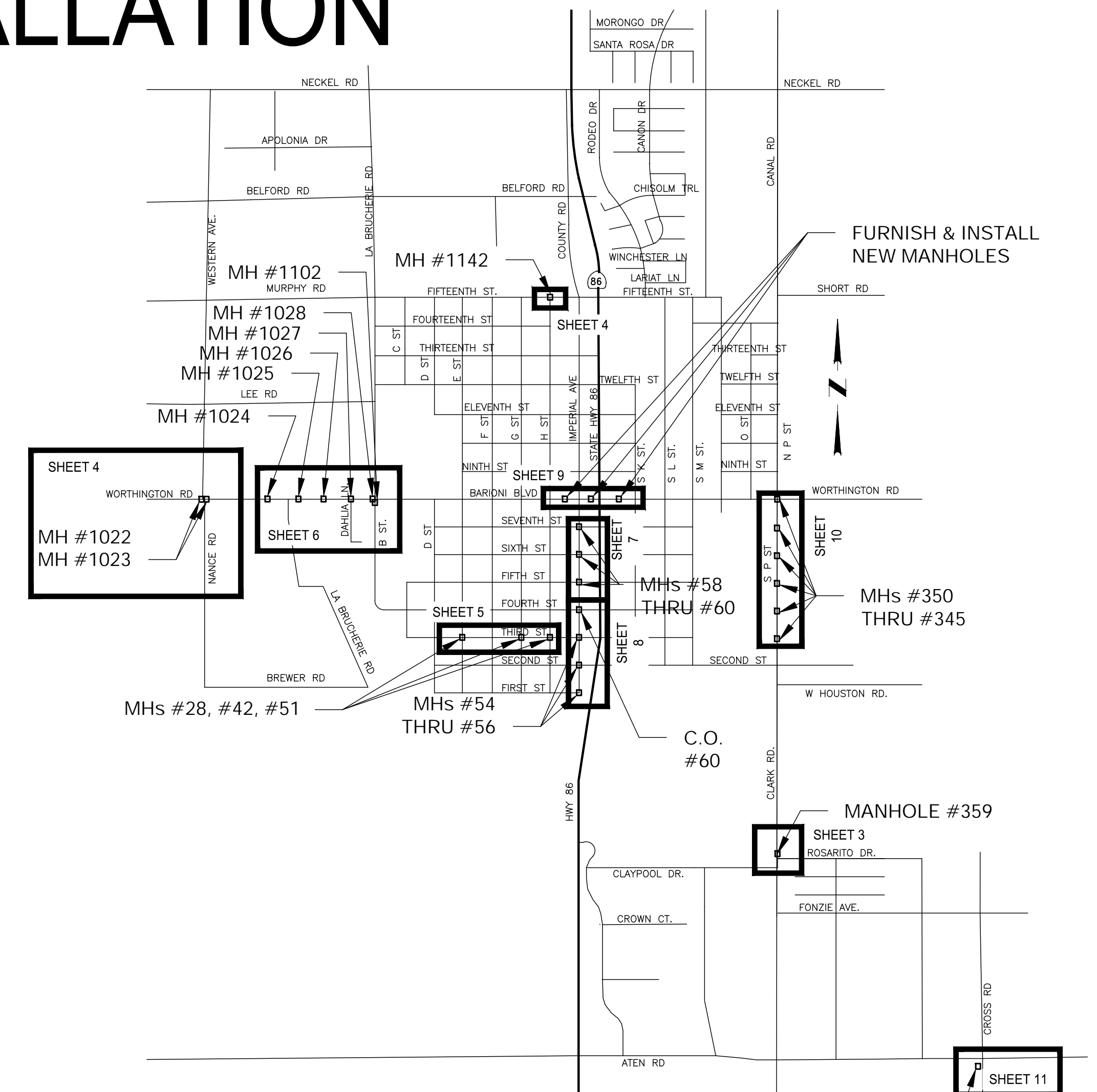
CONTRACTOR AGREES TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITION DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT APPLIES CONTINUOUSLY AND IS NOT LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR ALSO AGREES TO DEFEND, INDEMNIFY, AND HOLD THE CITY 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 CITY OR THE ENGINEER.

UTILITIES

FO/TELE.....	VERIZON COMMUNICATION	(909)748-6640
WATER.....	CITY OF IMPERIAL	(760)355-4371
SEWER.....	CITY OF IMPERIAL	(760)355-4371
GAS.....	SOUTHERN CALIFORNIA GAS CO.	(909)355-7550
ELECTRICAL.....	IMPERIAL IRRIGATION DISTRICT	(760)398-5816
CATV/FO/TELE.....	FRONTIER COMMUNICATIONS	(760)778-3620



VICINITY MAP
BASED ON IMPERIAL COUNTY GIS DATA
NOT TO SCALE



LOCATION MAP
BASED ON IMPERIAL COUNTY GIS DATA
NOT TO SCALE

SHEET LIST TABLE	
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	MANHOLE LEGEND AND REHABILITATION NOTES
3	MANHOLE #359
4	MANHOLES #1022, 1023 AND #1142
5	MANHOLE #28, #42, AND #51
6	MANHOLE #1024-1028, 1102 (BARIONI BLVD.)
7	MANHOLE #58-60 (S IMPERIAL AVE.)
8	MANHOLE #54-"CO-60" (S IMPERIAL AVE.)
9	BARIONI BOULEVARD NEW MANHOLES
10	MANHOLE #345 - #350 (P ST.)
11	CROSS RD. LIFT STATION

ENGINEER'S NOTICE

- CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND 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 ENGINEER.
- THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THESE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.
- QUANTITIES SHOWN HEREON ARE PROVIDED FOR BIDDING PURPOSES ONLY. CONTRACTORS SHALL BE RESPONSIBLE FOR VERIFYING ALL QUANTITIES PRIOR TO BIDDING FOR CONSTRUCTION.
- ALL PERMITS REQUIRED BY LAW SHALL BE OBTAINED BY THE CONTRACTOR UNLESS SPECIFICALLY STATED TO BE OBTAINED BY THE OWNER.

DECLARATION OF RESPONSIBLE CHARGE

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS 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. I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF IMPERIAL IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR THE PROJECT DESIGN.

BY: *Shane L. Bloomfield* DATE: 03/06/2025
SHANE L. BLOOMFIELD
P.E. NO. C77435

CONTACT INFORMATION

CITY OF IMPERIAL DAVID DALE, P.E. (760) 355-3336
ALBERT A. WEBB ASSOCIATES SHANE BLOOMFIELD, P.E. (951) 686-1070

	REVISIONS <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>INITIAL</th> <th>DESCRIPTION</th> <th>APPROVED/DATE</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	NO.	DATE	INITIAL	DESCRIPTION	APPROVED/DATE																	CITY OF IMPERIAL CITY ENGINEER _____ DATE _____ REFERENCES _____	ENGINEER'S SEAL 	ALBERT A. WEBB ASSOCIATES ENGINEERING CONSULTANTS 3788 McCRA Y STREET RIVERSIDE CA, 92506 PH. (951) 686-1070 FAX (951) 788-1256 PLANS PREPARED UNDER THE SUPERVISION OF: <i>Shane L. Bloomfield</i> 03/06/2025 SHANE L. BLOOMFIELD REGISTERED CIVIL ENGINEER NO. C77435	DESIGNED: SLB DRAWN: KIG TRACED: _____ CHECKED: SLB SUBMITTED: _____ SCALE: _____	CITY OF IMPERIAL IMPERIAL COUNTY, CALIFORNIA MANHOLE AND LIFT STATION REHABILITATION AND NEW MANHOLE INSTALLATION TITLE SHEET DWG. NO. _____	BID NO. 2025-01 SHEET 1 OF 11 G-1
	NO.	DATE	INITIAL	DESCRIPTION	APPROVED/DATE																							
DESIGNED BY: _____ DRAWN BY: _____ CHECKED BY: _____																												

© 2018 (18-0217) DRAWINGS PLAN SHEETS (18-0217) SEWER REHAB PROJECT PT. 22-03.DWG

Location	Task	Proposed Finish	City of Imperial Manhole ID	Material Type	Drop Manhole	Diameter	Source(s)	Inlet Pipe Size(s) (Direction)	Inlet Depth (ft)/ Wet Well Depth (ft)	Outlet Pipe Size (Direction)	Outlet Depth (ft)
Clark Rd; NW of Rosarito Dr.	Removal of three (3) ex. MH & Furnish/Install one (1) 6' Dia. MH with new force main pipe & fittings	Epoxy (09875)	359 & 2 additional unnumbered MH's (3 EA to be removed)	Concrete	No	48"	Gravity/FM(s)	8" & 12" FM (See Detail 1 on Sheet No. 3)	5'	21" Gravity (N) (See Detail 1 on Sheet No. 3)	5'
Centered @ Worthington Rd. & Nance Rd. (W)	Rehabilitation	Epoxy (09875)	1022	Concrete	Yes	48"	Gravity/FM	4" FM (N) 12" Gravity (W)	13' (Gravity) Drop Pipe (Force Main)	10" Gravity (E)	13'
Centered @ Worthington Rd. & Nance Rd. (E)	Rehabilitation	Epoxy (09875)	1023	Concrete	Yes	48"	Gravity/FM	8" FM/10" Gravity	13' (Gravity) Drop Pipe (Force Main)	10" Gravity (E)	13'
15th St. & H St.	Rehabilitation	CIP Liner (09872)	1142	Concrete	Yes	60"	Gravity/FM	12" FM (W) 24" Gravity (N, S)	All inlets @ 10'	24" Gravity (E)	10'
3rd St. & E St.	Rehabilitation	CIP Liner (09872)	28	Brick	No	48"	Gravity	8" Gravity (S)	7'	8" Gravity (N)	7'
3rd St. & G St.	Rehabilitation	CIP Liner (09872)	42	Brick	No	48"	Gravity	8" Gravity (S)	7'	8" Gravity (N)	7'
3rd St. & H St.	Rehabilitation	CIP Liner (09872)	51	Brick	No	48"	Gravity	8" Gravity (S)	7'	8" Gravity (N)	7'
Barioni Boulevard; W of B St	Remove & Furnish/Install New 4' Dia. Manhole	Epoxy (09875)	1024, 1025, 1026, & 1027	Concrete	Yes	48"	Gravity	10" Gravity (W)	13.5'	10" Gravity (E)	13.5'
Barioni Blvd. & B St.	Rehabilitation	CIP Liner (09872)	1028	Concrete	Yes	48"	Gravity	10" Gravity (W)	13.5'	10" Gravity (E)	13.5'
Barioni Blvd. & B St.	Rehabilitation	Epoxy (09875)	1102	Concrete	Yes	48"	Gravity	8" (Gravity Drop Pipe) 10" Gravity (W)	13' (Gravity) & Drop Pipe (8" Gravity)	10" Gravity (E)	13'
S Imperial Ave; S of Barioni Blvd	Rehabilitation	CIP Liner (09872)	54, 55, 56, 58, 59, 60	Brick	No	48"	Gravity	8" Gravity (S)	8'	8" Gravity (N)	8'
S Imperial Ave; S of Barioni Blvd	Remove existing clean-out, Furnish/Install New 4' Dia. Manhole	Epoxy (09875)	CO-60	Brick	Yes	48"	Gravity	8" Gravity (S)	8'	8" Gravity (N)	8'
Barioni Blvd (H St to Imperial Ave)	Furnish/Install	Epoxy (09875)	New Manhole	Concrete	Yes	48"	Gravity	12" Gravity (W)	9'	12" Gravity (E)	9'
Barioni Blvd (Imperial Ave to Hwy 86)	Furnish/Install	Epoxy (09875)	New Manhole	Concrete	Yes	48"	Gravity	12" Gravity (W)	9'	12" Gravity (E)	9'
Barioni Blvd (Hwy 86 to K St)	Furnish/Install	Epoxy (09875)	New Manhole	Concrete	Yes	48"	Gravity	12" Gravity (W)	9'	12" Gravity (E)	9'
P St; S of Barioni Blvd	Rehabilitation	CIP Liner (09872)	345, 346, 347	Concrete	Unk.	48"	Gravity	24" Gravity (S)	8.5'	24" Gravity (N)	8.5'
P St; S of Barioni Blvd	Rehabilitation	CIP Liner (09872)	348	Concrete	Unk.	48"	Gravity	21" Gravity (S)	8.5'	24" Gravity (N)	8.5'
P St; S of Barioni Blvd	Rehabilitation	CIP Liner (09872)	349 & 350	Concrete	Unk.	48"	Gravity	21" Gravity (S)	8.5'	21" Gravity (N)	8.5'
Cross Road Lift Station	Rehabilitation	Epoxy (09875)	Unk. ID No.	Concrete	Wet Well	9"	Gravity	10" Gravity (E)	20'	6" FM (N)	Above Grade

NOTE TO CONTRACTOR: QUANTITY ESTIMATE

THE ENGINEER MAKES NO REPRESENTATION CONCERNING THE ESTIMATED QUANTITIES ON THESE PLANS, EXCEPT THAT ALL SUCH FIGURES, INCLUDING ALL MANHOLE DIMENSIONS, INLET/OUTLET SIZES AND MANHOLE DEPTHS ARE PRELIMINARY ESTIMATES AND FOR BIDDING PURPOSES ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PREPARE HIS OWN QUANTITY ESTIMATE FOR CONSTRUCTION OR COST PURPOSES.

MANHOLE REHABILITATION AND INSTALLATION NOTES:

- CONTRACTOR SHALL VERIFY EXISTING MANHOLE DIMENSIONS PRIOR TO ORDERING MATERIALS AND PROVIDE MEASUREMENTS TO THE OWNER.
- FLOW CHANNELS OF MANHOLES SHALL BE PROTECTED AT ALL TIMES FROM DEBRIS ENTERING THE SEWER SYSTEM.
- SHELF OF ALL MANHOLES BEING REHABILITATED SHALL BE REPAIRED USING FAST SETTING CONCRETE, ALL IN ACCORDANCE WITH THE SPECIFICATIONS.
- ALL TRAFFIC CONTROL AND ANY NECESSARY PAVEMENT RESTORATION SHALL COMPLY WITH THE GOVERNING AGENCIES ENCROACHMENT PERMIT REQUIREMENTS. CITY WILL PAY THE COSTS OF THE NECESSARY ENCROACHMENT PERMIT APPLICATION AND INSPECTION FEES REQUIRED BY THE CITY OF IMPERIAL. CONTRACTOR WILL BE REQUIRED TO SUBMIT THE ENCROACHMENT PERMIT, PLANS AND REQUIRED TRAFFIC CONTROL PLANS NECESSARY FOR THE WORK.
- ALL NEW MANHOLES SHALL COMPLY WITH THE CITY OF IMPERIAL STD. DET. NO. 200 FOR ECCENTRIC SEWER MANHOLES.

UTILITIES COORDINATION

- NO LESS THAN 3 WORKING DAYS PRIOR TO ANY EXCAVATION OR TRENCHING, EACH CONTRACTOR DOING SUCH WORK SHALL CONTACT OR TELEPHONE THE FOLLOWING AGENCIES SO THAT EXISTING UNDERGROUND UTILITIES MAYBE LOCATED AND, IF REQUIRED BY THE AGENCY AN INSPECTOR MAY BE PRESENT
- THE PROPOSED WATERLINE CROSSES AN EXISTING KINDER MORGAN 6-INCH HIGH PRESSURE REFINED PETROLEUM PIPELINE. THE CONTRACTOR IS REQUIRED TO COORDINATE WITH KINDER MORGAN AND FOLLOW THEIR REQUIREMENTS PROVIDED IN THE SPECIFICATIONS.

TRAFFIC CONTROL NOTES

- TRAFFIC CONTROL, WHERE REQUIRED, SHALL BE IN ACCORDANCE WITH THE CURRENT WORK AREA TRAFFIC CONTROL HANDBOOK OR AS DIRECTED BY THE IMPERIAL COUNTY TRAFFIC ENGINEER.
- CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN TRAFFIC CONTROL, INCLUDING PREPARING TRAFFIC CONTROL PLANS FOR APPROVAL BY THE CITY OF IMPERIAL.

SEWER BY-PASS NOTES:

- CONTRACTOR SHALL PROVIDE A DETAILED "SEWAGE SPILL CONTAINMENT PLAN AND SEWER BY-PASS PHASING PLAN" (INCLUDING A TRAFFIC CONTROL PLAN AS REQUIRED) SHOWING THE PROPOSED LAYOUT OF THE TEMPORARY FACILITIES IN ACCORDANCE TO THE SPECIAL REQUIREMENTS OF THE SPECIFICATION. THE PLAN SHALL INDICATE THE LOCATIONS AND CAPACITIES OF ALL PUMPS, SUMPS, SUCTION, AND DISCHARGE
- THE CONTRACTOR SHALL ARRANGE FOR, FURNISH, INSTALL AND MAINTAIN ALL REQUIRED BY-PASS EQUIPMENT, PUMP, GENERATORS, PIPING, FITTINGS, CONNECTIONS, ETC. REQUIRED TO BY-PASS THE EXISTING SEWER FLOWS DURING CONSTRUCTION. ALL BYPASS EQUIPMENT SHALL BE INSTALLED AND BE MADE IMMEDIATELY OPERABLE TO PROVIDE COMPLETE REDUNDANCY (PRIMARY AND BACKUP SYSTEM) TO HANDLE PEAK FLOWS. CONTRACTOR SHALL PROVIDE FOR PERSONNEL TO CONTINUOUSLY MONITOR THE BY-PASS SYSTEM.

CONFINED SPACE ENTRY NOTES

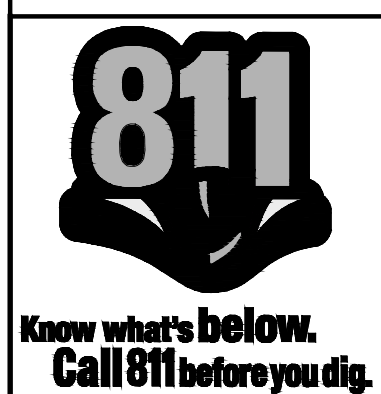
- CONTRACTOR SHALL SUBMIT A CONFINED SPACE ENTRY PLAN (CSEP) AND PROCEDURE (INCLUDING A COPY OF THEIR CONFINED SPACE ENTRY PERMIT FORM) ALONG WITH A CONFINED SPACE ENTRY PROOF OF CERTIFICATES/TRAINING RECORDS FOR ALL ENTRANTS, ATTENDANTS AND SUPERVISORS. ENSURE CERTIFIED/COMPETENT EMPLOYEES ARE ON-SITE DURING ALL CONFINED SPACE ENTRIES.
- CONTRACTOR SHALL FURNISH A LIST OF CONFINED SPACE ENTRY EQUIPMENT TO BE USED, SUCH AS BUT NOT LIMITED TO: DAVIT ARMS, TRIPODS, WINCHES, SELF-RETRACTING LIFELINES (SRL'S), HARNESSES, COMMUNICATION EQUIPMENT, ATMOSPHERIC MONITORS, BLOWERS, SCBA AND/OR AIRLINE BREATHING APPARATUS, RESCUE EQUIPMENT, INCLUDING ALL REQUIRED PPE, ETC. IN A MANNER ACCEPTABLE TO THE CITY OF IMPERIAL PUBLIC WORKS INSPECTOR.

NOTICE TO CONTRACTOR

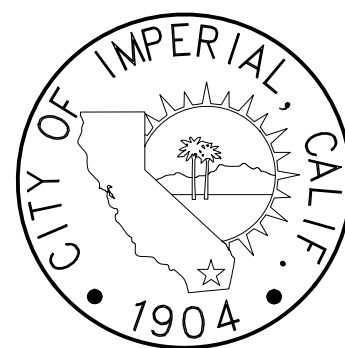
- THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE DRAWINGS WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. NO CERTIFICATION IS MADE AS TO THE ACCURACY OR THOROUGHNESS OF THIS PLAN BY CITY OF IMPERIAL. APPROVAL OF THIS PLAN BY THE CITY OF IMPERIAL DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OF LOCATION OR THE EXISTENCE OR NON-EXISTENCE OF ANY UNDERGROUND UTILITY, PIPE, OR STRUCTURE. THE CONTRACTOR SHALL TAKE ALL DUE PRECAUTIONARY MEANS TO PROTECT ALL LINES AND STRUCTURES REGARDLESS IF SHOWN OR NOT ON THE DRAWINGS. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY EXACT LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES OR STRUCTURES CROSSING THE PROPOSED IMPROVEMENTS.
- IF ANY CONFLICT EXISTS BETWEEN THE CONTRACT DRAWINGS AND THE CONTRACT SPECIFICATIONS, THE MOST STRINGENT REQUIREMENT SHALL GOVERN.
- CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING THE SITE AS REQUIRED FOR CONSTRUCTION OF THE FACILITIES, INCLUDING PROVIDING ALL LABOR, EQUIPMENT, METHODS, CRUSHED ROCK, SHORING, APPROVED WATER DISPOSAL, AND ETC. NECESSARY TO COMPLETE THIS PROJECT AT NO ADDITIONAL COST TO THE OWNER. THE COMPLETE GEOTECHNICAL INVESTIGATION FOR THIS SITE IS INCLUDED IN THE PROJECT SPECIFICATIONS.
- THE CONTRACTOR/SUB-CONTRACTOR SHALL EXAMINE CAREFULLY THE SITE OF THE WORK CONTEMPLATED, AS WELL AS THE PLANS AND SPECIFICATIONS. THE SUBMISSION OF A BID SHALL BE CONCLUSIVE EVIDENCE THAT THE CONTRACTOR/SUB-CONTRACTOR HAS INVESTIGATED THE PROJECT SITE AND REVIEWED THE PLANS AND SPECIFICATIONS AND IS SATISFIED AS TO THE CONDITIONS TO BE ENCOUNTERED, AS TO THE CHARACTER, QUALITY AND SCOPE OF THE WORK TO BE PERFORMED, THE QUANTITIES OF MATERIALS TO BE FURNISHED, AND AS TO THE REQUIREMENTS OF THE BID PROPOSAL, PLANS AND SPECIFICATIONS.

ABBREVIATIONS

ABAN..... ABANDONED	GA..... GAUGE/GAGE
ASSY..... ASSEMBLY	HPI..... HORIZONTAL POINT OF INFLECTION
A/V..... AIR VACUUM RELIEF VALVE	LB..... POUND
AWWA..... AMERICAN WATER WORKS ASSOCIATION	LP..... LOWEST POINT
BC..... BEGIN CURVE	LT..... LEFT
B.F..... BUTTERFLY VALVE	MB..... MAIL BOX
B/O..... BLOW OFF	MIN..... MINIMUM
B.O.P..... BOTTOM OF PIPE	NTS..... NOT TO SCALE
COF..... CONTROLLED DENSITY FILL	PCC..... PORTLAND CEMENT CONCRETE
CMP..... CORRUGATED METAL PIPE	PZ..... PRESSURE ZONE
C..... CENTERLINE	R/W..... RIGHT OF WAY
CL..... CENTERLINE	RSGV..... RESILIENT SEAT GATE VALVE
CL..... CLASS	RT..... RIGHT
CITY..... CITY OF IMPERIAL	SPRR..... SOUTHERN PACIFIC RAILROAD
DI..... DUCTILE IRON	STD..... STANDARD
DIA..... DIAMETER	STA..... STATION
DWG..... DRAWING	STL..... STEEL
D/W..... DRIVEWAY	SD..... STORM DRAIN
ECC..... ECCENTRIC	TELE..... TELECOMMUNICATIONS
EX..... EXISTING	T.O.P..... TOP OF PIPE
FH..... FIRE HYDRANT	TRAFF..... TRAFFIC SIGNAL
FLD..... FLANGED	TYP..... TYPICAL
F.L..... FLOW LINE	VPI..... VERTICAL POINT OF INFLECTION
FO..... FIBER OPTIC	WSP..... WELDED STEEL PIPE
FBC..... FUSION BONDED EPOXY COATED	UPRR..... UNION PACIFIC RAILROAD
G.V..... GATE VALVE	



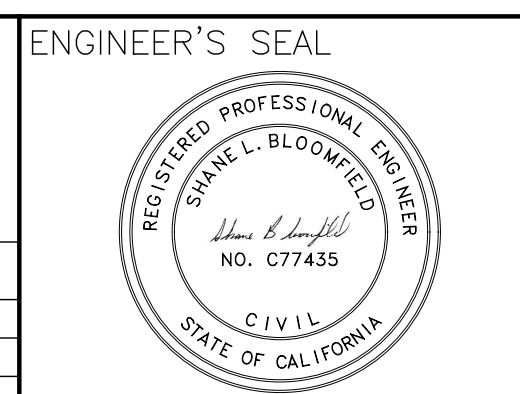
REVISIONS				
NO.	DATE	INITIAL	DESCRIPTION	APPROVED/DATE
DESIGNED BY:	DRAWN BY:	CHECKED BY:		



CITY OF IMPERIAL

CITY ENGINEER _____ DATE _____

REFERENCES



ALBERT A. WEBB ASSOCIATES ENGINEERING CONSULTANTS
3788 McCRAV STREET
RIVERSIDE CA, 92506
PH: (951) 686-1070
FAX (951) 788-1256

PLANS PREPARED UNDER THE SUPERVISION OF:
Shane L. Bloomfield 03/06/2025
SHANE L. BLOOMFIELD REGISTERED CIVIL ENGINEER NO. C77435 DATE

DESIGNED:	DATE
SLB	
DRAWN:	KIG
TRACED:	
CHECKED:	SLB
SUBMITTED:	
SCALE:	

CITY OF IMPERIAL
IMPERIAL COUNTY, CALIFORNIA

MANHOLE AND LIFT STATION REHABILITATION
AND NEW MANHOLE INSTALLATION

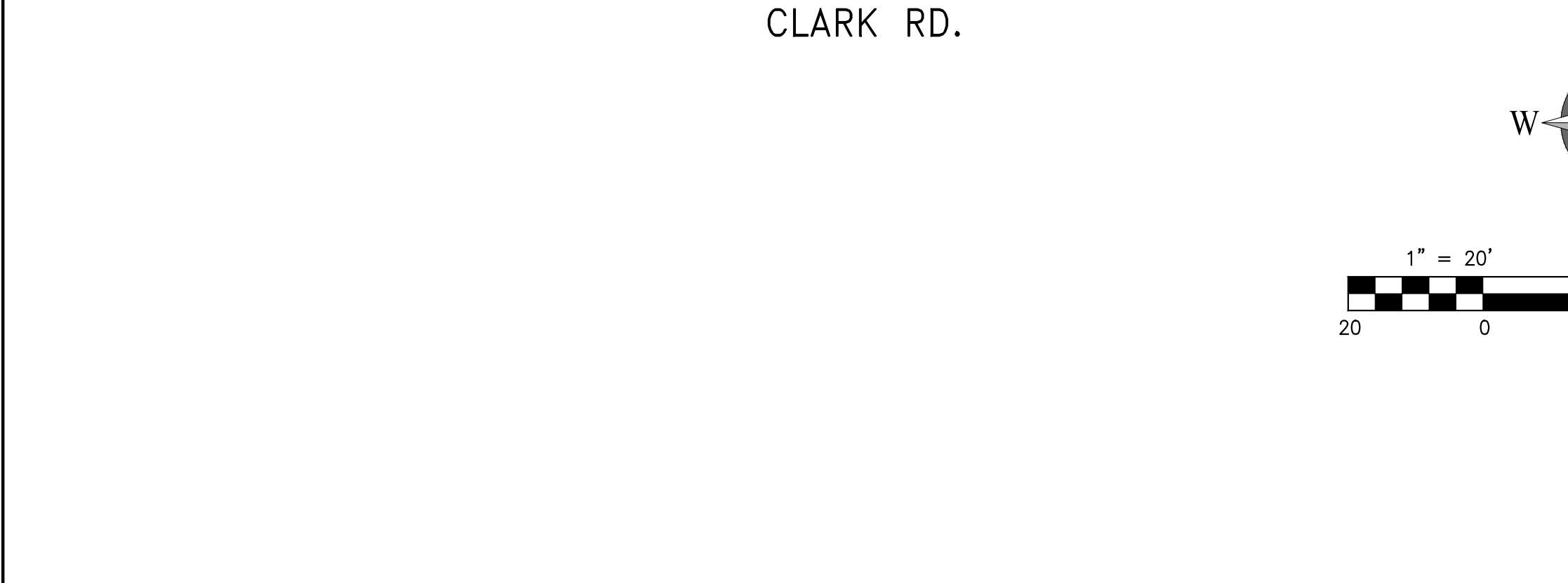
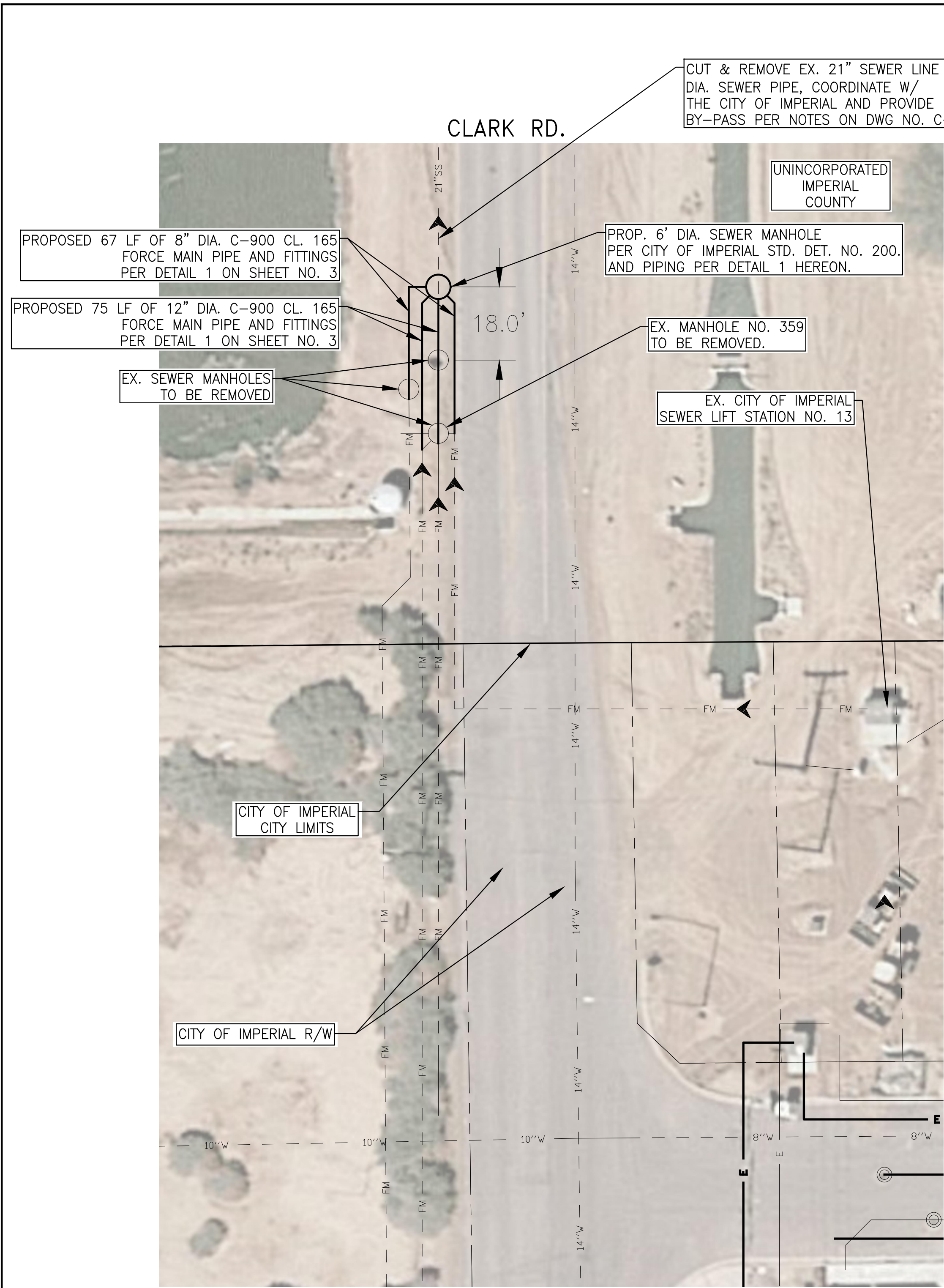
MANHOLE LEGEND AND REHABILITATION NOTES

DWG. NO. _____

BID NO.
2025-01

SHEET
2
OF 11

C-1



VIEW NORTH ON THE WESTERN SIDE OF CLARK ROAD TOWARD MH #359 TO BE REMOVED



VIEW NORTH WITHIN EXISTING MH #359 TO BE REMOVED

- EXISTING SEWER FLOWS INTO MH #359 ORIGINATE FROM THREE (3) SEPARATE LIFT STATIONS. THERE ARE TWO (2) MANHOLES DIRECTLY ADJACENT TO MH #359 THAT COLLECT FLOWS FROM THE CLAYPOOL LIFT STATION. THE VICTORIA LIFT STATION, CROSS AND CLARK LIFT STATION, AND BRATTON/PASEO DEL SOL LIFT STATION PUMP DIRECTLY INTO MH #359. A FOURTH UNKNOWN INLET IS COMING INTO MH #359. SO THERE ARE FOUR (4) INLETS TO MH #359.
- CONTRACTOR SHALL PROVIDE AND INSTALL A SEWER BY-PASS FOR THIS MANHOLE WITH THE USE OF VACTOR/PUMPER TRUCKS (MINIMUM OF 1 VACTOR/PUMPER TRUCK WITH A MINIMUM CAPACITY OF 3,000 GALLONS) FOR THE EXISTING FORCE MAINS (4 TOTAL) ENTERING THE MANHOLE. BY-PASS SHALL BE SET UP AT THE CITY'S EXISTING LIFT STATION XXX LOCATED AT XXXX.
- CITY COLLECTION STAFF WILL SUPERVISE THE WORK AND SHALL BE PROVIDED WITH THE BY-PASS PLAN TWO WEEKS PRIOR TO STARTING WORK.

CONTRACTOR NOTES:

- PRIOR TO CONSTRUCTION, CONTRACTOR SHALL OBTAIN AN ENCROACHMENT PERMIT FOR WORK WITHIN THE CITY RIGHT-OF-WAY. ALL WORK CONTAINED ON THIS SHEET OCCURS OUTSIDE OF THE CITY-OF-IMPERIAL RIGHT-OF-WAY. ALL WORK CONTAINED ON THIS SHEET IS LOCATED WITHIN THE UNINCORPORATED COUNTY OF IMPERIAL.
- ANY NECESSARY PAVEMENT REPAIR WITHIN THE CITY RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE CITY ENCROACHMENT PERMIT. ANY NECESSARY PAVEMENT REPAIR WITHIN THE COUNTY RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE COUNTY ENCROACHMENT PERMIT.
- CONTRACTOR SHALL PREPARE AND IMPLEMENT TRAFFIC CONTROL PLANS IN ACCORDANCE WITH CA MUTCD REQUIREMENTS FOR BOTH PUBLIC RIGHT-OF-WAY AND PRIVATE STREETS. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ENTRANCES/EXITS OF ALL CITY AND PRIVATE STREETS.
- CONTRACTOR SHALL REPAIR/REPLACE ALL DISTURBED THERMOPLASTIC PAVEMENT MARKINGS/MARKERS IN KIND.
- CONTRACTOR SHALL DETERMINE THE NEED FOR ANY AND ALL SEWER BY-PASS ACTIVITIES AND PROVIDE THE NECESSARY COSTS IN THE APPROPRIATE BID ITEMS. A SEWER BY-PASS PLAN SHALL BE SUBMITTED TO THE CITY 2 WEEKS IN ADVANCE OF WORK FOR APPROVAL.

SEWER BY-PASS NOTES:

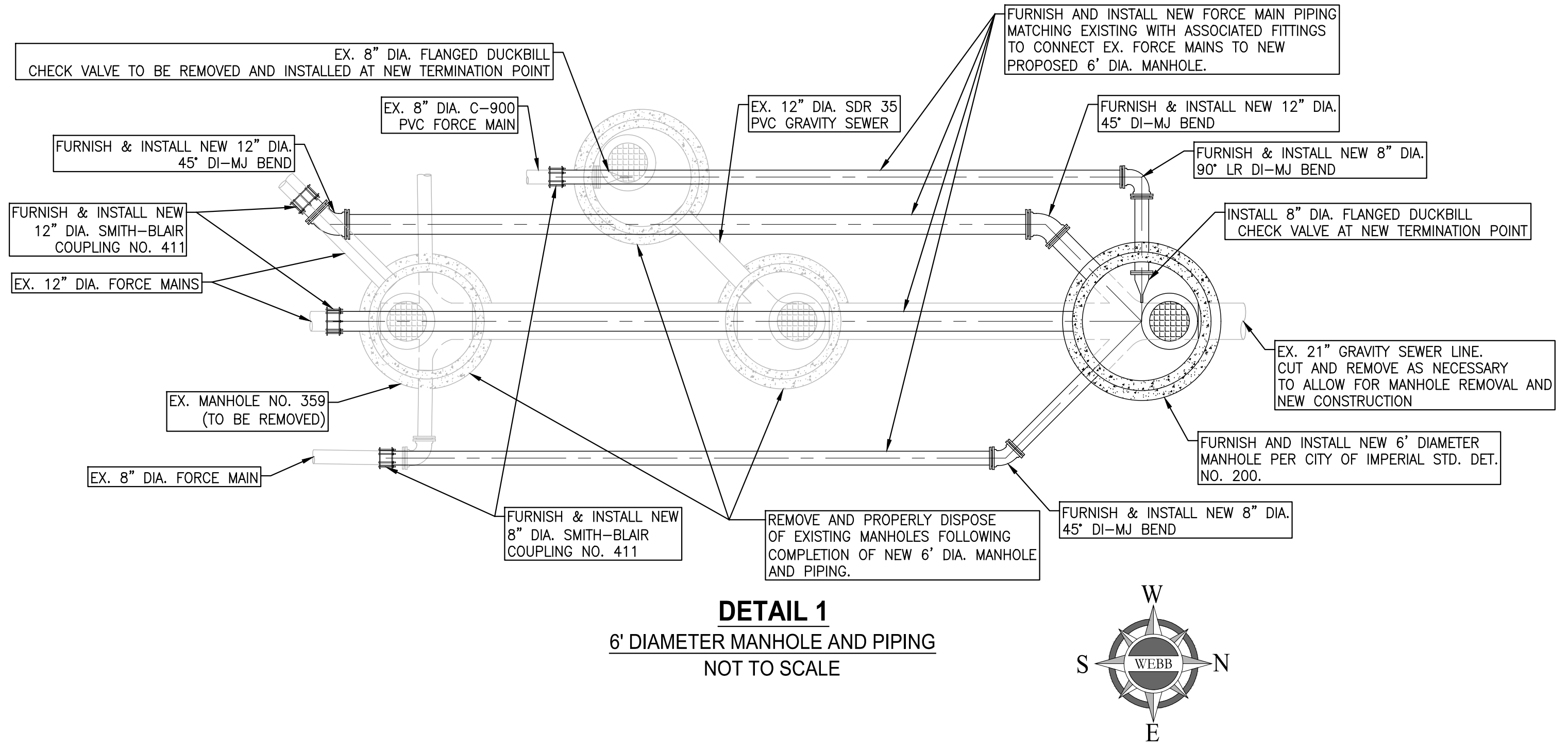
- CONTRACTOR SHALL PROVIDE A DETAILED "SEWAGE SPILL CONTAINMENT PLAN AND SEWER BY-PASS PHASING PLAN" (INCLUDING A TRAFFIC CONTROL PLAN AS REQUIRED) SHOWING THE PROPOSED LAYOUT OF THE TEMPORARY FACILITIES IN ACCORDANCE TO THE SPECIAL REQUIREMENTS OF THE SPECIFICATION.
- THE CONTRACTOR SHALL ARRANGE FOR, FURNISH, INSTALL AND MAINTAIN ALL REQUIRED BY-PASS EQUIPMENT, PUMP, GENERATORS, PIPING, FITTINGS, CONNECTIONS, ETC. REQUIRED TO BY-PASS THE EXISTING SEWER FLOWS DURING CONSTRUCTION. ALL BYPASS EQUIPMENT SHALL BE INSTALLED AND BE MADE IMMEDIATELY OPERABLE TO PROVIDE COMPLETE REDUNDANCY (PRIMARY AND BACKUP SYSTEM) TO HANDLE PEAK FLOWS. CONTRACTOR SHALL PROVIDE FOR PERSONNEL TO CONTINUOUSLY MONITOR THE BY-PASS SYSTEM.

PVC AND DUCTILE IRON FITTING NOTES:

- ALL PVC PIPE THROUGH 12-INCH DIAMETER SHALL BE TYPE C900 DR 25 (CLASS 165). PIPE SHALL CONFORM TO AWWA SPECIFICATIONS.
- FITTINGS FOR C900 PVC PIPE SHALL BE DUCTILE OR GRAY IRON AS SHOWN ON THE CONSTRUCTION PLANS PER THE CITY'S REQUIREMENTS.
- ALL DUCTILE OR GRAY IRON FITTINGS SHALL BE POLYETHYLENE ENCASED AT THE TIME OF INSTALLATION PER AWWA C105. CONTRACTOR TO PROVIDE WRAP.

SPECIAL SEWER NOTES:

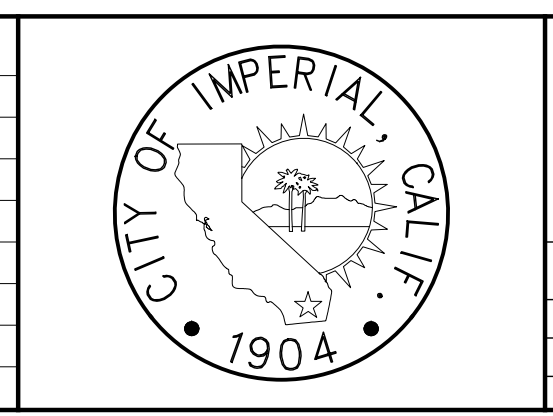
- CONTRACTOR SHALL REMOVE AND LEGALLY DISPOSE OF ALL EXISTING SEWER MANHOLES AND PIPELINES DESIGNATED TO BE REMOVED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS. ABANDONMENT SHALL CONFORM AND FOLLOW GREEN BOOK SECTION 306-5 AND THE CONTRACT DOCUMENTS.
- ALL SEWER BYPASS OPERATIONS SHALL CONFORM TO SECTION 500-1.2.4. OF THE GREEN BOOK AND THE CONTRACT DOCUMENTS AND BE COORDINATED WITH THE SEWER SYSTEM SUPERVISOR FOURTEEN (14) DAYS PRIOR TO THE BYPASS OPERATION. CONTRACTOR SHALL PROVIDE A BYPASS CONNECTION TO PROVIDE FOR FULL SERVICE FLOW DURING CONSTRUCTION.
- CONTRACTOR SHALL CONSTRUCT SEWER GRAVITY MAIN AND MANHOLES FROM DOWN STREAM AND MOVE TOWARDS UPSTREAM. SEWER PIPELINE AND MANHOLES SHALL BE TESTED AND ACCEPTED BY THE DISTRICT PRIOR TO MAKING CONNECTIONS. THE EXISTING SERVICES SHALL BE MAINTAINED AND NOT BE INTERRUPTED DURING CONSTRUCTION. CONTRACTOR SHALL USE NECESSARY EQUIPMENT AND METHODS INCLUDING BUT NOT LIMITED TO PUMPING, PIPING, SEWER TRUCK, BYPASS, ETC. CONTRACTOR SHALL INCLUDE THE ASSOCIATED COSTS IN THE BID PROPOSAL AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
- THE CONTRACTOR SHALL MAINTAIN ALL EXISTING SEWER LATERALS IN SERVICE DURING CONSTRUCTION OF NEW UTILITIES.
- CONTRACTOR SHALL PREPARE, AND SUBSEQUENTLY FOLLOW THE SEWAGE SPILL CONTAINMENT PLAN AND SEWER BYPASS/PHASING PLAN TO PROVIDE FOR FULL SERVICE FLOW DURING REALIGNMENT AND RECONNECTION OF AN EXISTING LATERAL. SAID BYPASS SHALL REMAIN IN OPERATION UNTIL NEW LATERAL CONNECTION HAS BEEN TESTED AND APPROVED.



DETAIL 1
6" DIAMETER MANHOLE AND PIPING
NOT TO SCALE

REVISIONS				
NO.	DATE	INITIAL	DESCRIPTION	APPROVED/DATE

DESIGNED BY: _____ DRAWN BY: _____ CHECKED BY: _____



CITY OF IMPERIAL

CITY ENGINEER _____ DATE _____

REFERENCES _____

ENGINEER'S SEAL

ALBERT A. WEBB ASSOCIATES ENGINEERING CONSULTANTS
3788 McCRAV STREET RIVERSIDE CA, 92506
PH. (951) 686-1070 FAX (951) 788-1256

PLANS PREPARED UNDER THE SUPERVISION OF:
Shane L. Bloomfield 03/06/2025
SHANE L. BLOOMFIELD REGISTERED CIVIL ENGINEER NO. C77435 DATE

	DATE
DESIGNED: SLB	
DRAWN: KIG	
TRACED: _____	
CHECKED: SLB	
SUBMITTED: _____	
SCALE: _____	

CITY OF IMPERIAL
IMPERIAL COUNTY, CALIFORNIA

MANHOLE AND LIFT STATION REHABILITATION AND NEW MANHOLE INSTALLATION
MANHOLE #359 (CLARK RD. AND ROSARITO DR.)

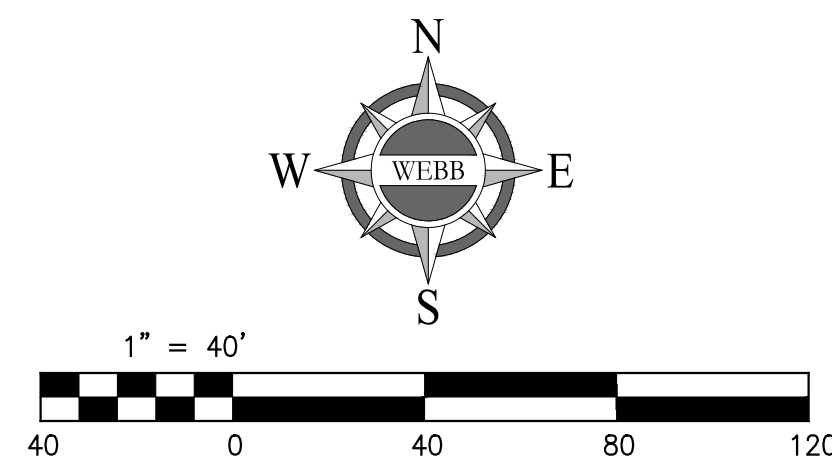
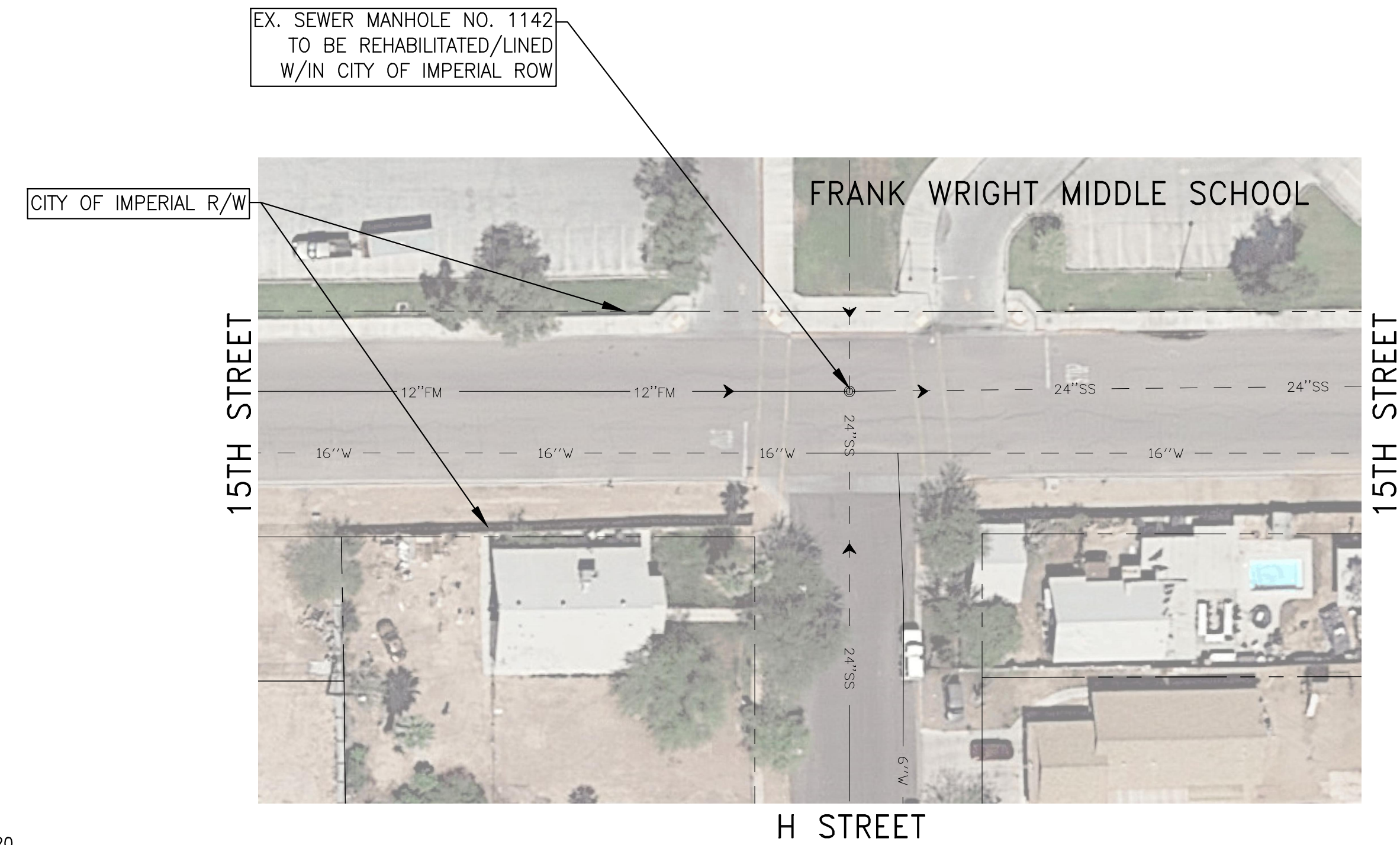
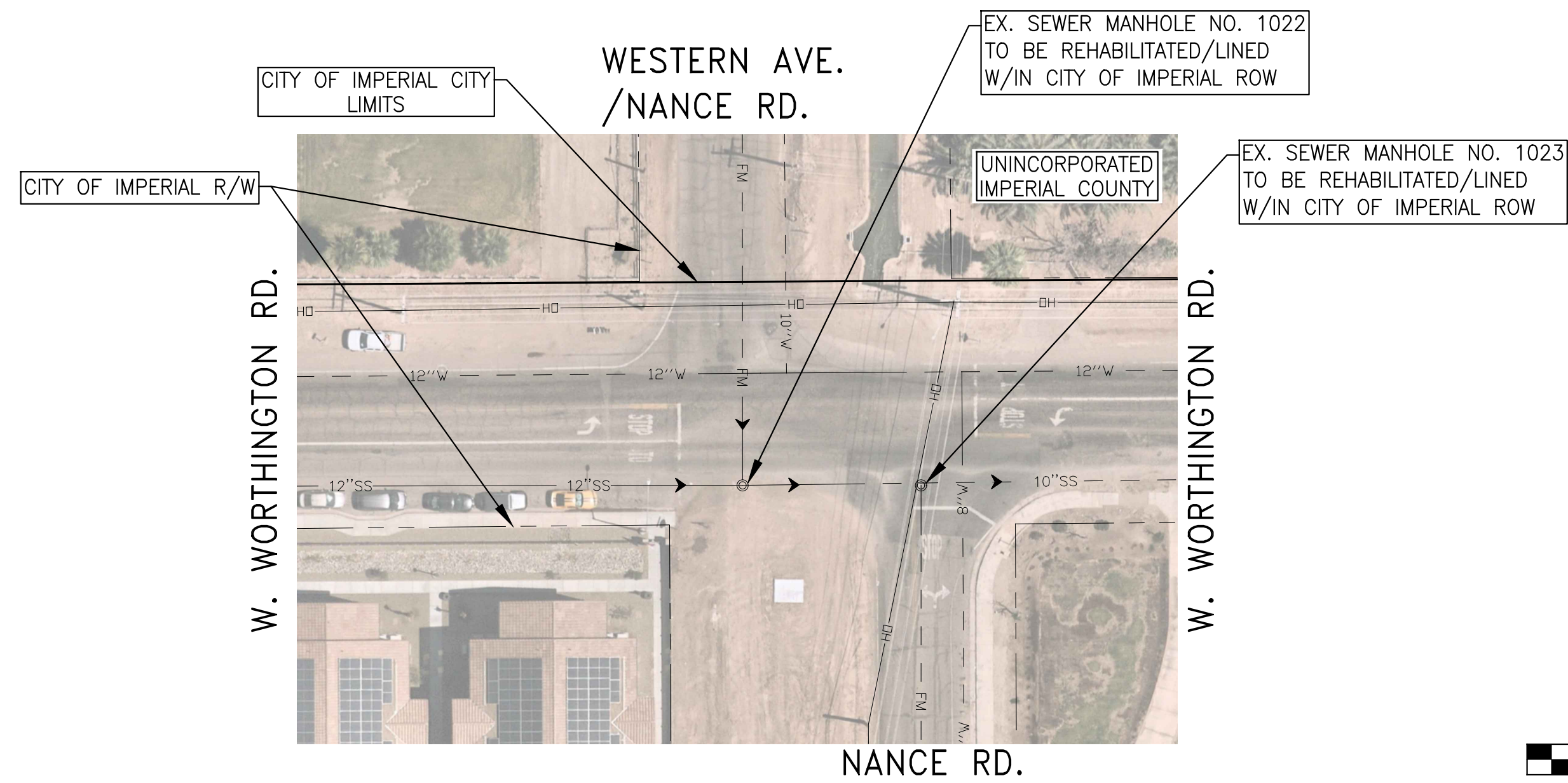
DWG. NO. _____

BID NO. 2025-01

SHEET 3 OF 11

CONTRACTOR NOTES:

1. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL OBTAIN AN ENCROACHMENT PERMIT FOR WORK WITHIN THE CITY RIGHT-OF-WAY.
2. ANY NECESSARY PAVEMENT REPAIR WITHIN THE CITY RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE CITY ENCROACHMENT PERMIT.
3. CONTRACTOR SHALL PREPARE AND IMPLEMENT TRAFFIC CONTROL PLANS IN ACCORDANCE WITH CA MUTCD REQUIREMENTS FOR BOTH PUBLIC RIGHT-OF-WAY AND PRIVATE STREETS. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ENTRANCES/EXITS OF ALL CITY AND PRIVATE STREETS.
4. CONTRACTOR SHALL REPAIR/REPLACE ALL DISTURBED THERMOPLASTIC PAVEMENT MARKINGS/MARKERS IN KIND.
5. CONTRACTOR SHALL DETERMINE THE NEED FOR ANY AND ALL SEWER BY-PASS ACTIVITIES AND PROVIDE THE NECESSARY COSTS IN THE APPROPRIATE BID ITEMS. A SEWER BY-PASS PLAN SHALL BE SUBMITTED TO THE CITY 2 WEEKS IN ADVANCE OF WORK FOR APPROVAL.



MANHOLE #1022



MANHOLE #1142

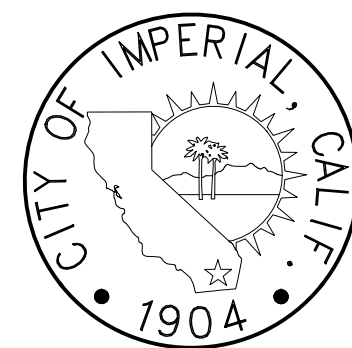
1. EXISTING SEWER FLOWS INTO THIS MANHOLE BY GRAVITY FROM THE UPSTREAM COLLECTION SYSTEM AND FROM THE IRONWOOD LIFT STATION, WHICH IS THE PIPE SHOWN AT A HIGHER ELEVATION.
2. CONTRACTOR SHALL PROVIDE SUFFICIENT NUMBER OF SEWER PUMPER TRUCKS TO HAUL AWAY ALL SEWAGE FROM THE IRONWOOD LIFT STATION DURING THE CONSTRUCTION PERIOD FOR MANHOLE #1022. SIMILARLY, FOR MANHOLE #1023 SEWAGE PUMPER TRUCKS SHALL HAUL AWAY ALL SEWAGE FROM THE CITY OF IMPERIAL LIFT STATION NO. 12. CONTRACTOR SHALL ARRANGE A SITE VISIT WITH THE CITY TO ESTIMATE THE DIFFICULTY OF SEWER EVACUATION AND SUBMIT HIS BID ACCORDINGLY. DIVERTED SEWER FLOWS SHALL BE DISPOSED OF WITHIN THE CITY'S SEWER GRAVITY SYSTEM, LOCATION TO BE DETERMINED BY THE CITY.
3. CONTRACTOR SHALL REMOVE EXISTING SEWER FORCE MAIN DROP PIPE PRIOR TO REHABILITATION WORK. UPON COMPLETION OF REHABILITATION WORK, CONTRACTOR SHALL RE-INSTALL THE DROP PIPE.

1. EXISTING SEWER FLOWS IN THIS MANHOLE ARE FROM THE UPSTREAM GRAVITY SYSTEM TO THE NORTH AND SOUTH AND ALSO FROM THE B STREET LIFT STATION FROM THE WEST.
2. NO SEWER BY-PASS IS ANTICIPATED FOR THIS MANHOLE UNLESS CHANNEL WORK IS REQUIRED AFTER THE MANHOLE HAS BEEN PRESSURE CLEANED AND INDICATES SUCH.



REVISIONS				
NO.	DATE	INITIAL	DESCRIPTION	APPROVED/DATE

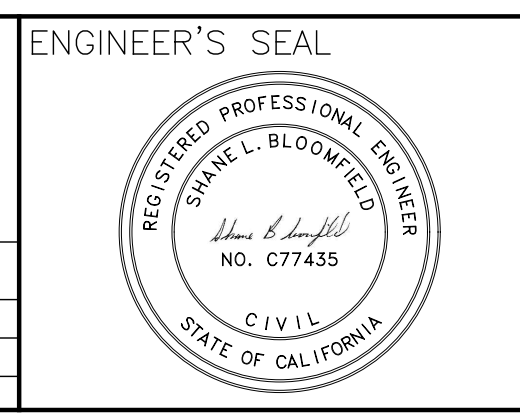
DESIGNED BY: _____ DRAWN BY: _____ CHECKED BY: _____



CITY OF IMPERIAL

CITY ENGINEER _____ DATE _____

REFERENCES



ALBERT A. WEBB ASSOCIATES ENGINEERING CONSULTANTS
 3788 MCCRAY STREET
 RIVERSIDE, CA 92506
 PH. (951) 686-1070
 FAX (951) 788-1256

PLANS PREPARED UNDER THE SUPERVISION OF:

 SHANE L. BLOOMFIELD
 REGISTERED CIVIL ENGINEER NO. C77435

DATE: 03/06/2025

	DATE
DESIGNED: SLB	
DRAWN: KIG	
TRACED:	
CHECKED: SLB	
SUBMITTED:	
SCALE:	

CITY OF IMPERIAL
 IMPERIAL COUNTY, CALIFORNIA

MANHOLE AND LIFT STATION REHABILITATION
 AND NEW MANHOLE INSTALLATION

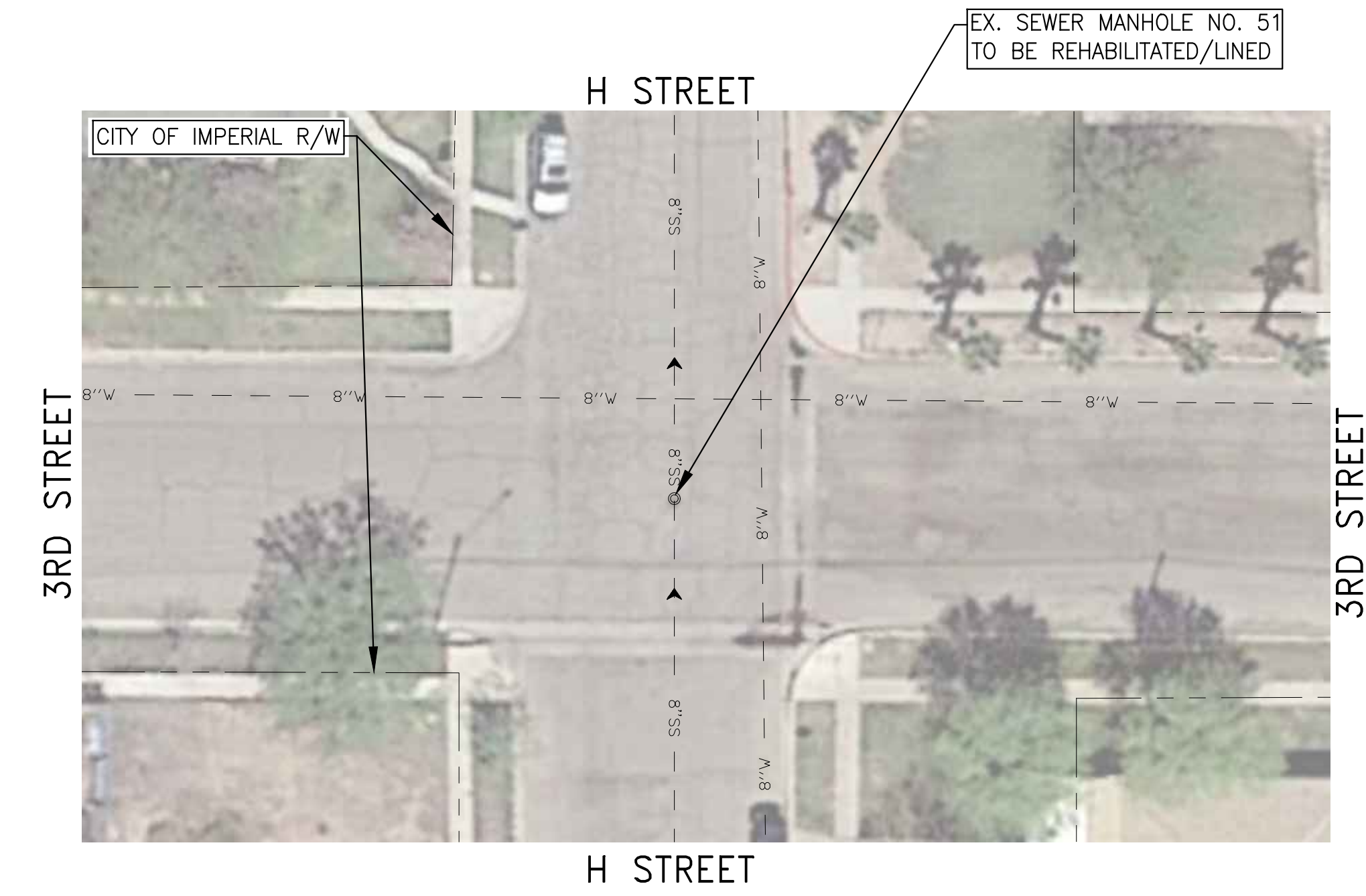
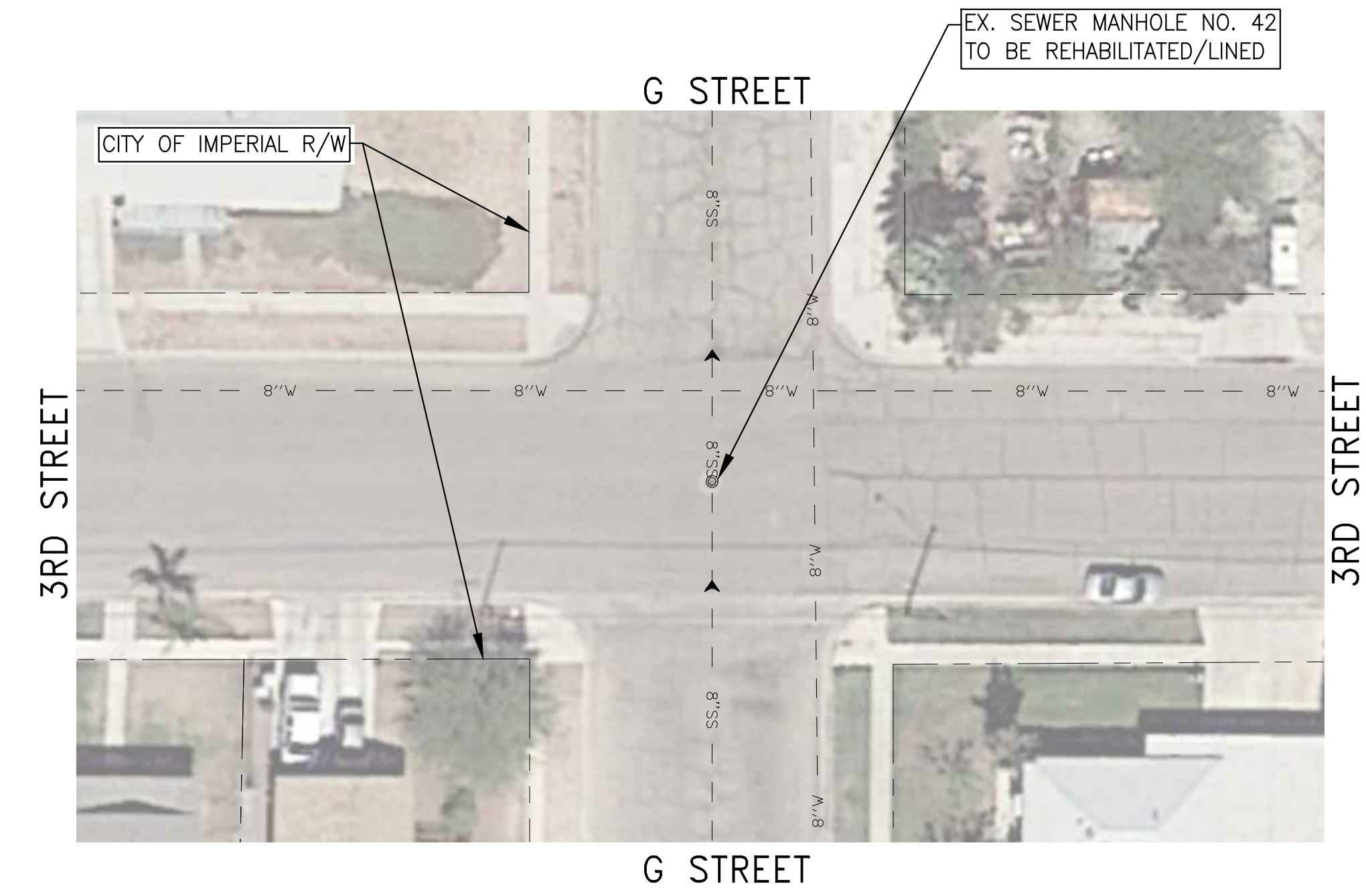
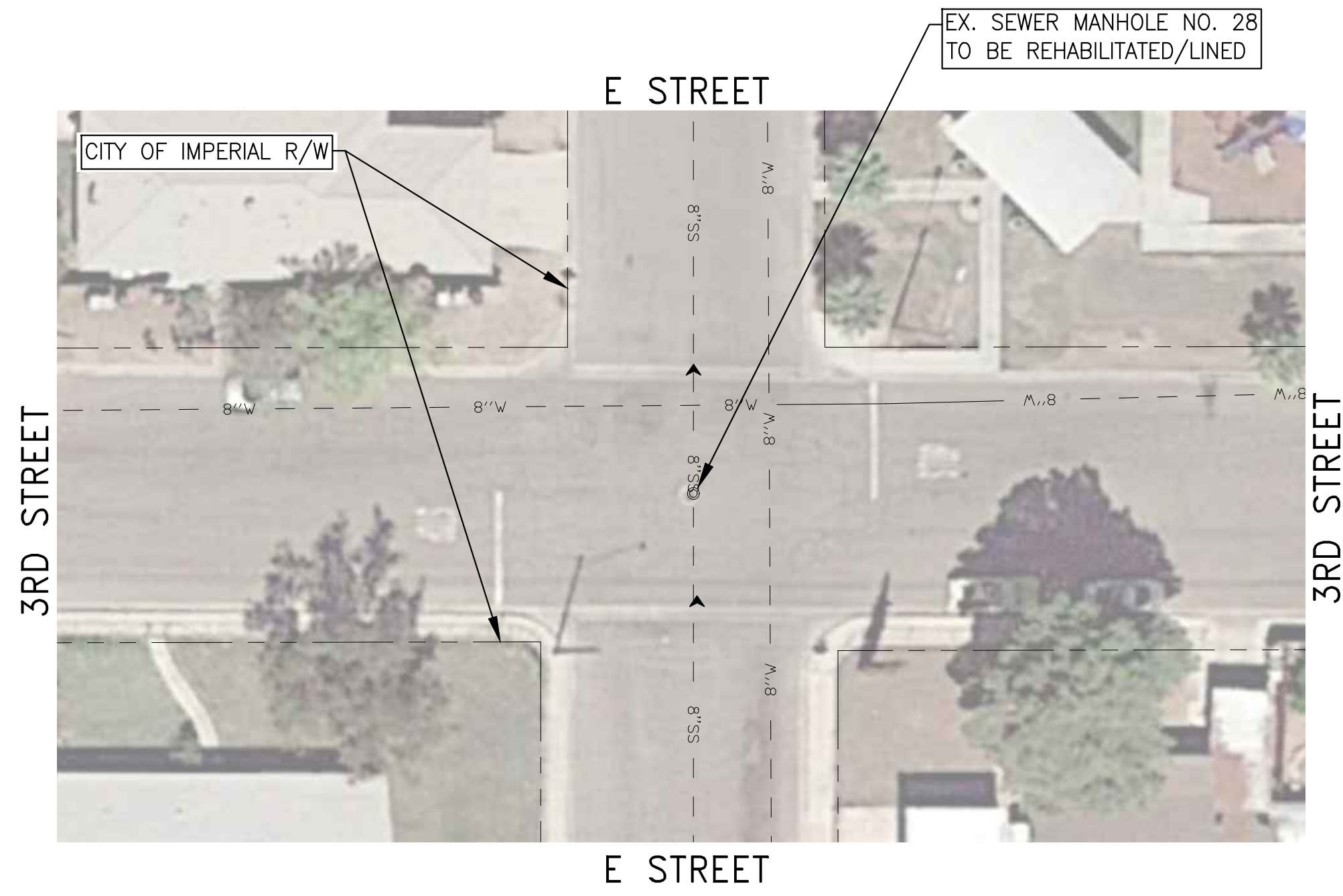
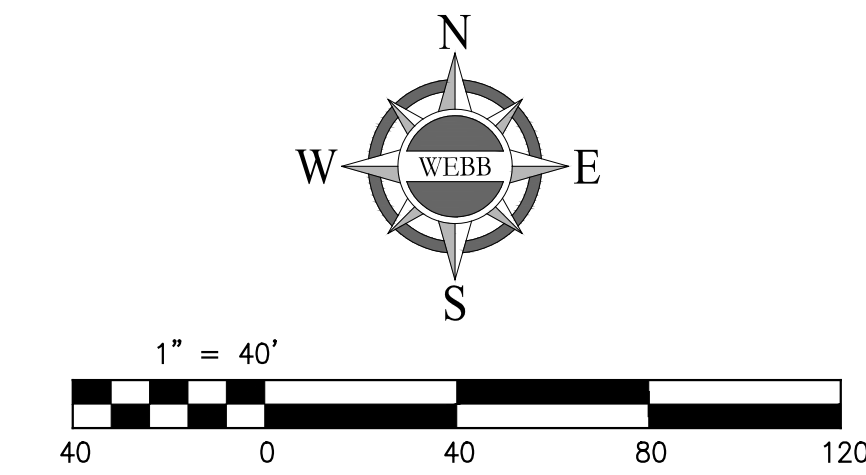
MANHOLES #1022 & 1023 (NANCE & WORTHINGTON)
 MANHOLE #1142 (15TH ST. & H ST.)

DWG. NO. _____

BID NO. 2025-01
SHEET 4
OF 11
C-3

CONTRACTOR NOTES:

1. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL OBTAIN AN ENCROACHMENT PERMIT FOR WORK WITHIN THE CITY RIGHT-OF-WAY.
2. ANY NECESSARY PAVEMENT REPAIR WITHIN THE CITY RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE CITY ENCROACHMENT PERMIT.
3. CONTRACTOR SHALL PREPARE AND IMPLEMENT TRAFFIC CONTROL PLANS IN ACCORDANCE WITH CA MUTCD REQUIREMENTS FOR BOTH PUBLIC RIGHT-OF-WAY AND PRIVATE STREETS. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ENTRANCES/EXITS OF ALL CITY AND PRIVATE STREETS.
4. CONTRACTOR SHALL REPAIR/REPLACE ALL DISTURBED THERMOPLASTIC PAVEMENT MARKINGS/MARKERS IN KIND.
5. CONTRACTOR SHALL DETERMINE THE NEED FOR ANY AND ALL SEWER BY-PASS ACTIVITIES AND PROVIDE THE NECESSARY COSTS IN THE APPROPRIATE BID ITEMS. A SEWER BY-PASS PLAN SHALL BE SUBMITTED TO THE CITY 2 WEEKS IN ADVANCE OF WORK FOR APPROVAL.



MANHOLE #28

1. EXISTING SEWER FLOWS IN THIS MANHOLE ARE FROM THE UPSTREAM GRAVITY SYSTEM.
2. NO SEWER BY-PASS IS ANTICIPATED FOR THIS MANHOLE UNLESS CHANNEL WORK IS REQUIRED AFTER THE MANHOLE HAS BEEN PRESSURE CLEANED AND INDICATES SUCH.



MANHOLE #42

1. EXISTING SEWER FLOWS IN THIS MANHOLE ARE FROM THE UPSTREAM GRAVITY SYSTEM.
2. NO SEWER BY-PASS IS ANTICIPATED FOR THIS MANHOLE UNLESS CHANNEL WORK IS REQUIRED AFTER THE MANHOLE HAS BEEN PRESSURE CLEANED AND INDICATES SUCH.



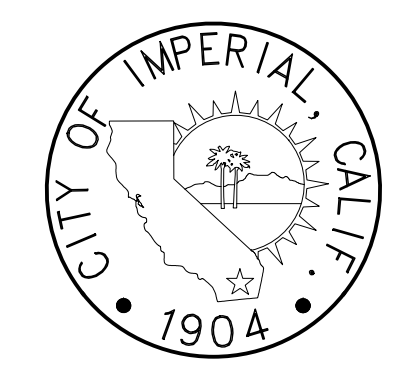
MANHOLE #51

1. EXISTING SEWER FLOWS IN THIS MANHOLE ARE FROM THE UPSTREAM GRAVITY SYSTEM.
2. NO SEWER BY-PASS IS ANTICIPATED FOR THIS MANHOLE UNLESS CHANNEL WORK IS REQUIRED AFTER THE MANHOLE HAS BEEN PRESSURE CLEANED AND INDICATES SUCH.



REVISIONS				
NO.	DATE	INITIAL	DESCRIPTION	APPROVED/DATE

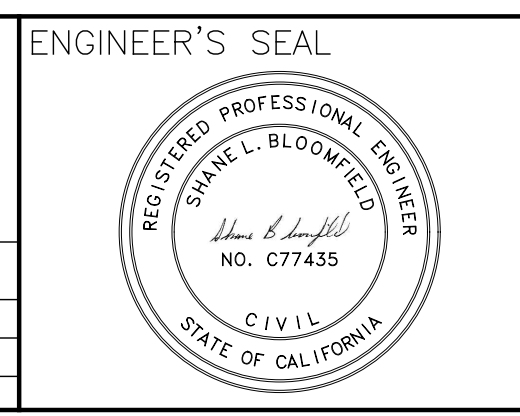
DESIGNED BY: _____ DRAWN BY: _____ CHECKED BY: _____



CITY OF IMPERIAL

CITY ENGINEER _____ DATE _____

REFERENCES



ALBERT A. WEBB ASSOCIATES ENGINEERING CONSULTANTS
 3788 MCCRAY STREET
 RIVERSIDE, CA, 92506
 PH. (951) 686-1070
 FAX (951) 788-1256

PLANS PREPARED UNDER THE SUPERVISION OF:

 SHANE L. BLOOMFIELD
 REGISTERED CIVIL ENGINEER NO. C77435

DATE: 03/06/2025

	DATE
DESIGNED: SLB	
DRAWN: KIG	
TRACED: _____	
CHECKED: SLB	
SUBMITTED: _____	
SCALE: _____	

CITY OF IMPERIAL
 IMPERIAL COUNTY, CALIFORNIA

MANHOLE AND LIFT STATION REHABILITATION
 AND NEW MANHOLE INSTALLATION
 MANHOLES #28, 42, AND 51

DWG. NO. _____

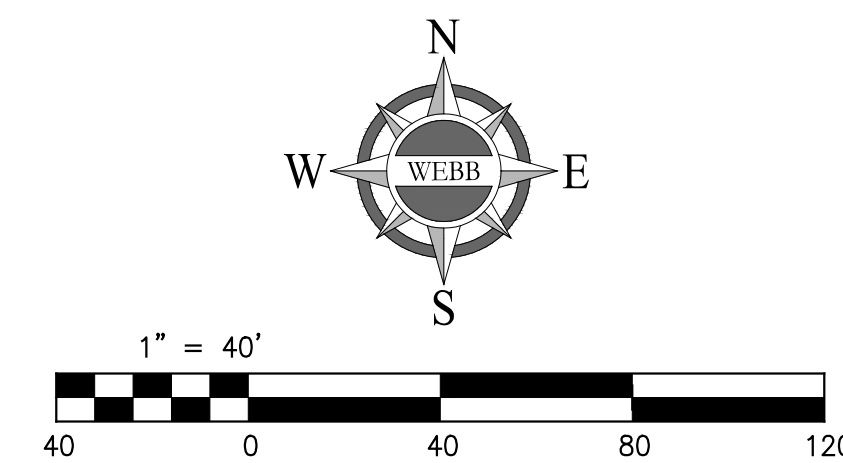
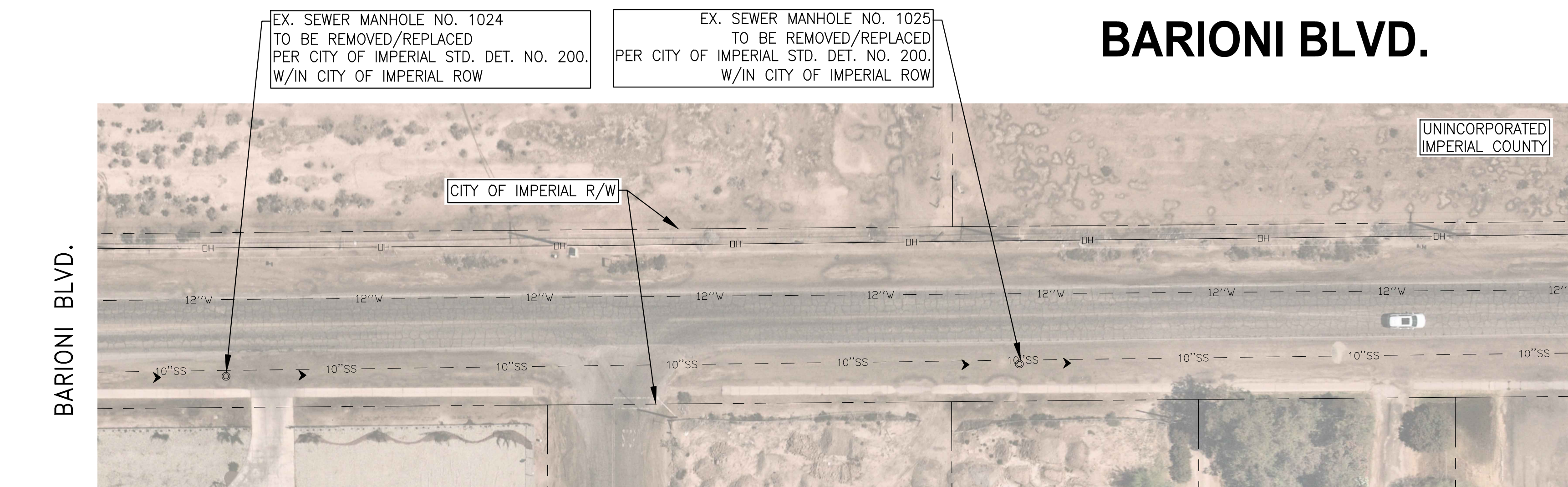
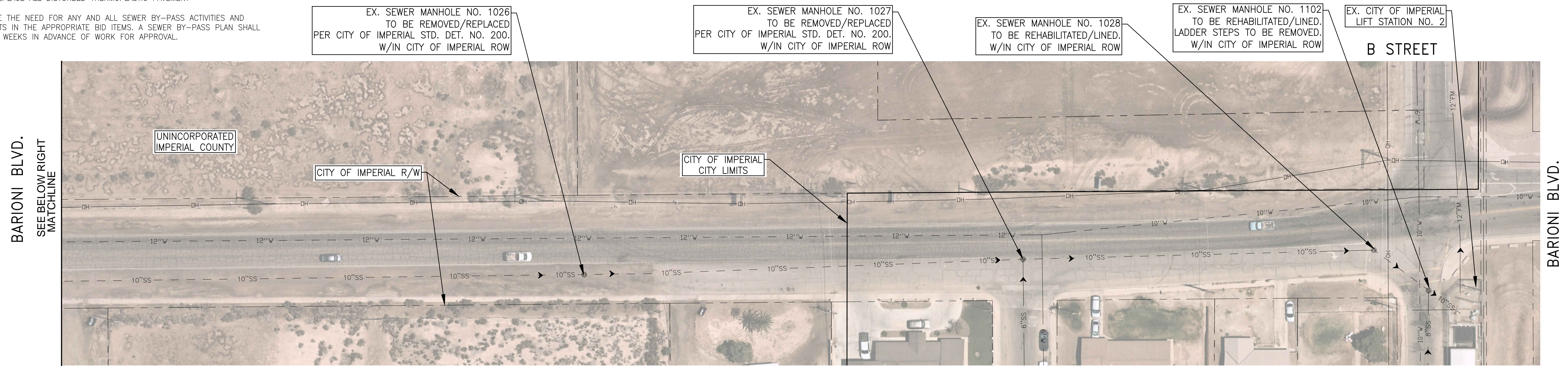
BID NO. 2025-01

SHEET 5 OF 11

C-4

CONTRACTOR NOTES:

1. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL OBTAIN AN ENCROACHMENT PERMIT FOR WORK WITHIN THE CITY OF IMPERIAL RIGHT-OF-WAY.
2. ANY NECESSARY PAVEMENT REPAIR WITHIN THE CITY OF IMPERIAL RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE CITY ENCROACHMENT PERMIT.
3. CONTRACTOR SHALL PREPARE AND IMPLEMENT TRAFFIC CONTROL PLANS IN ACCORDANCE WITH CA MUTCD REQUIREMENTS FOR BOTH PUBLIC RIGHT-OF-WAY AND PRIVATE STREETS. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ENTRANCES/EXITS OF ALL CITY AND PRIVATE STREETS.
4. CONTRACTOR SHALL REPAIR/REPLACE ALL DISTURBED THERMOPLASTIC PAVEMENT MARKINGS/MARKERS IN KIND.
5. CONTRACTOR SHALL DETERMINE THE NEED FOR ANY AND ALL SEWER BY-PASS ACTIVITIES AND PROVIDE THE NECESSARY COSTS IN THE APPROPRIATE BID ITEMS. A SEWER BY-PASS PLAN SHALL BE SUBMITTED TO THE CITY 2 WEEKS IN ADVANCE OF WORK FOR APPROVAL.



ALL LADDER STEPS TO BE REMOVED. TYPICAL COMMENT ACROSS ALL EXISTING MANHOLES WHERE STAIRS ARE ENCOUNTERED.



MANHOLE #1102

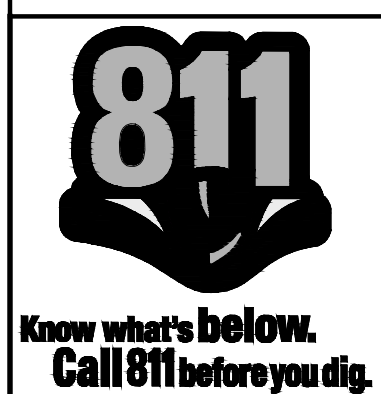
1. EXISTING SEWER FLOWS IN THIS MANHOLE ARE FROM THE UPSTREAM GRAVITY SYSTEM. THE PIPE SHOWN AT THE HIGHER ELEVATION IS A GRAVITY LINE FROM A SMALL GROUP OF HOMES TO THE SOUTH.
2. CONTRACTOR SHALL REMOVE EXISTING SEWER DROP PIPE PRIOR TO REHABILITATION WORK. UPON COMPLETION OF REHABILITATION WORK, CONTRACTOR SHALL RE-INSTALL THE DROP PIPE.
3. CITY COLLECTION STAFF WILL SUPERVISE THE WORK AND SHALL BE PROVIDED WITH THE BY-PASS PLAN TWO WEEKS PRIOR TO STARTING WORK IF AN INTERNAL BY-PASS IS NOT POSSIBLE.



MANHOLES #1024, 1025, 1026, 1027, AND 1028

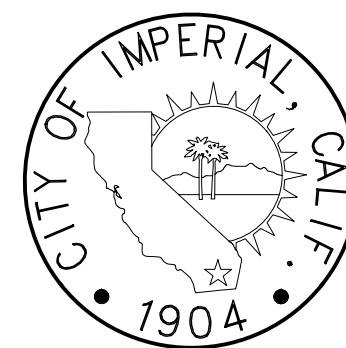
1. EXISTING SEWER FLOWS IN THESE MANHOLES ARE FROM THE UPSTREAM GRAVITY SYSTEM WITH FLOWS GENERALLY FLOWING FROM WEST TO EAST.
2. CITY MANHOLE ID NO. 1024 IS SHOWN TO THE LEFT AND IS APPROXIMATELY 13.5 FEET IN DEPTH.

BARIONI BLVD.



REVISIONS				
NO.	DATE	INITIAL	DESCRIPTION	APPROVED/DATE

DESIGNED BY: _____ DRAWN BY: _____ CHECKED BY: _____



CITY OF IMPERIAL

CITY ENGINEER _____ DATE _____
REFERENCES _____

ENGINEER'S SEAL



ALBERT A. WEBB ASSOCIATES
ENGINEERING CONSULTANTS
3788 McCRAV STREET
RIVERSIDE CA, 92506
PH. (951) 686-1070
FAX (951) 788-1256

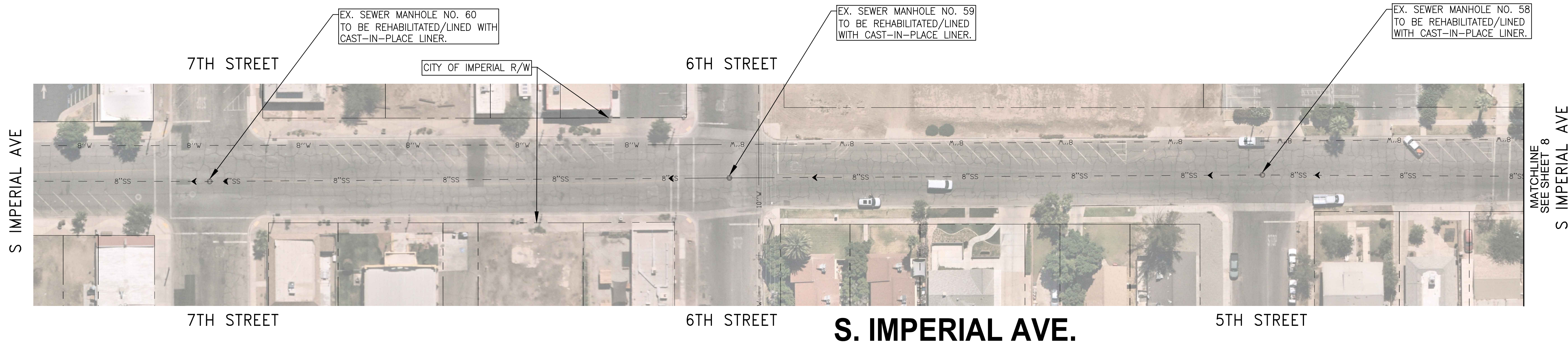
PLANS PREPARED UNDER THE SUPERVISION OF:
Shane L. Bloomfield
SHANE L. BLOOMFIELD
REGISTERED CIVIL ENGINEER NO. C77435
03/06/2025
DATE

	DATE
DESIGNED: SLB	
DRAWN: KIG	
TRACED: _____	
CHECKED: SLB	
SUBMITTED: _____	
SCALE: _____	

CITY OF IMPERIAL IMPERIAL COUNTY, CALIFORNIA		BID NO. 2025-01
MANHOLE AND LIFT STATION REHABILITATION AND NEW MANHOLE INSTALLATION		SHEET 6
MANHOLE #1024-1028 (BARIONI BLVD.)		OF 11
MANHOLE #1102 (BARIONI BLVD. AND B ST.)		DWG. NO. C-5

CONTRACTOR NOTES:

1. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL OBTAIN AN ENCROACHMENT PERMIT FOR WORK WITHIN THE CITY OF IMPERIAL RIGHT-OF-WAY.
2. ANY NECESSARY PAVEMENT REPAIR WITHIN THE CITY OF IMPERIAL RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE CITY ENCROACHMENT PERMIT.
3. CONTRACTOR SHALL PREPARE AND IMPLEMENT TRAFFIC CONTROL PLANS IN ACCORDANCE WITH CA MUTCD REQUIREMENTS FOR BOTH PUBLIC RIGHT-OF-WAY AND PRIVATE STREETS. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ENTRANCES/EXITS OF ALL CITY AND PRIVATE STREETS.
4. CONTRACTOR SHALL REPAIR/REPLACE ALL DISTURBED THERMOPLASTIC PAVEMENT MARKINGS/MARKERS IN KIND.
5. CONTRACTOR SHALL DETERMINE THE NEED FOR ANY AND ALL SEWER BY-PASS ACTIVITIES AND PROVIDE THE NECESSARY COSTS IN THE APPROPRIATE BID ITEMS. A SEWER BY-PASS PLAN SHALL BE SUBMITTED TO THE CITY 2 WEEKS IN ADVANCE OF WORK FOR APPROVAL.



MANHOLE #60

1. EXISTING SEWER FLOWS IN THIS MANHOLE ARE FROM THE UPSTREAM GRAVITY SYSTEM.
2. NO SEWER BY-PASS IS ANTICIPATED FOR THIS MANHOLE UNLESS CHANNEL WORK IS REQUIRED AFTER THE MANHOLE HAS BEEN PRESSURE CLEANED AND INDICATES SUCH.



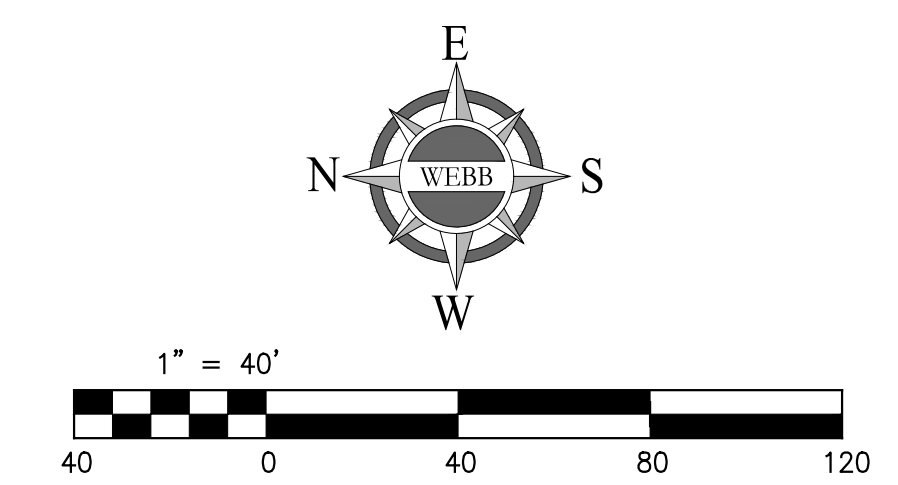
MANHOLE #59

1. EXISTING SEWER FLOWS IN THIS MANHOLE ARE FROM THE UPSTREAM GRAVITY SYSTEM.
2. NO SEWER BY-PASS IS ANTICIPATED FOR THIS MANHOLE UNLESS CHANNEL WORK IS REQUIRED AFTER THE MANHOLE HAS BEEN PRESSURE CLEANED AND INDICATES SUCH.



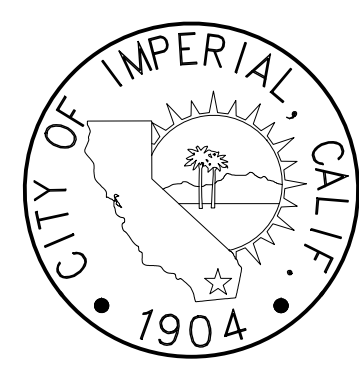
MANHOLE #58

1. EXISTING SEWER FLOWS IN THIS MANHOLE ARE FROM THE UPSTREAM GRAVITY SYSTEM.
2. NO SEWER BY-PASS IS ANTICIPATED FOR THIS MANHOLE UNLESS CHANNEL WORK IS REQUIRED AFTER THE MANHOLE HAS BEEN PRESSURE CLEANED AND INDICATES SUCH.



REVISIONS				
NO.	DATE	INITIAL	DESCRIPTION	APPROVED/DATE

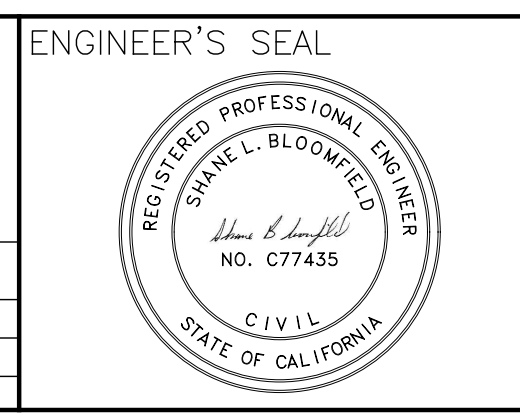
DESIGNED BY: _____ DRAWN BY: _____ CHECKED BY: _____



CITY OF IMPERIAL

CITY ENGINEER _____ DATE _____

REFERENCES



ALBERT A. WEBB ASSOCIATES ENGINEERING CONSULTANTS
 3788 MCCRAY STREET
 RIVERSIDE, CA 92506
 PH. (951) 686-1070
 FAX (951) 788-1256

PLANS PREPARED UNDER THE SUPERVISION OF:
Shane L. Bloomfield 03/06/2025
 SHANE L. BLOOMFIELD
 REGISTERED CIVIL ENGINEER NO. C77435

	DATE
DESIGNED: SLB	
DRAWN: KIG	
TRACED: _____	
CHECKED: SLB	
SUBMITTED: _____	
SCALE: _____	

CITY OF IMPERIAL
 IMPERIAL COUNTY, CALIFORNIA

MANHOLE AND LIFT STATION REHABILITATION
 AND NEW MANHOLE INSTALLATION

MANHOLE #58-60 (S IMPERIAL AVE.)

DWG. NO. C-6

BID NO. 2025-01

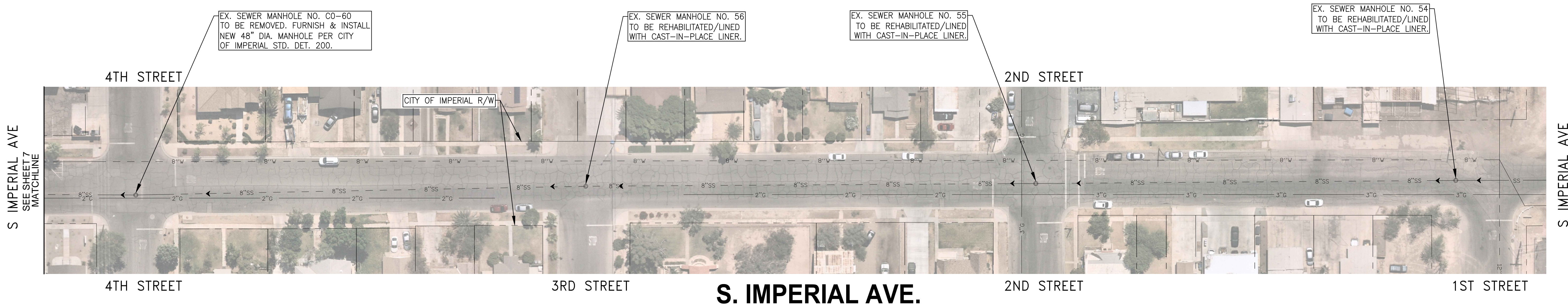
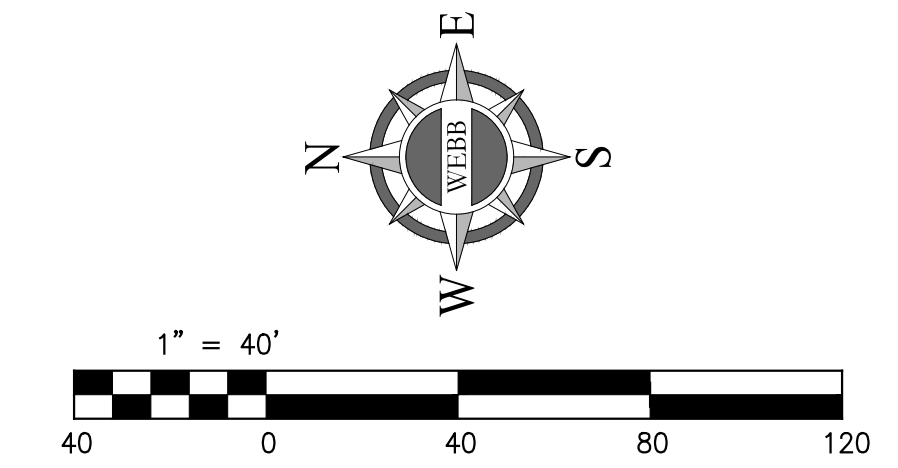
SHEET 7

OF 11

© 2024 (18-0217) DRAWINGS PLAN SHEETS (18-0217) SEWER REHAB PROJECT PY 22-23.DWG

CONTRACTOR NOTES:

1. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL OBTAIN AN ENCROACHMENT PERMIT FOR WORK WITHIN THE CITY OF IMPERIAL RIGHT-OF-WAY.
2. ANY NECESSARY PAVEMENT REPAIR WITHIN THE CITY OF IMPERIAL RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE CITY ENCROACHMENT PERMIT.
3. CONTRACTOR SHALL PREPARE AND IMPLEMENT TRAFFIC CONTROL PLANS IN ACCORDANCE WITH CA MUTCD REQUIREMENTS FOR BOTH PUBLIC RIGHT-OF-WAY AND PRIVATE STREETS. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ENTRANCES/EXITS OF ALL CITY AND PRIVATE STREETS.
4. CONTRACTOR SHALL REPAIR/REPLACE ALL DISTURBED THERMOPLASTIC PAVEMENT MARKINGS/MARKERS IN KIND.
5. CONTRACTOR SHALL DETERMINE THE NEED FOR ANY AND ALL SEWER BY-PASS ACTIVITIES AND PROVIDE THE NECESSARY COSTS IN THE APPROPRIATE BID ITEMS. A SEWER BY-PASS PLAN SHALL BE SUBMITTED TO THE CITY 2 WEEKS IN ADVANCE OF WORK FOR APPROVAL.



MANHOLE #C0-60

1. EXISTING SEWER FLOWS IN THIS MANHOLE ARE FROM THE UPSTREAM GRAVITY SYSTEM.
2. MANHOLE #C0-60 CONTAINS AN EXISTING CLEAN-OUT LOCATED WITHIN A BRICK LINED MANHOLE. THE EXISTING CLEAN OUT SHALL BE REMOVED AND THE EXISTING BRICK MANHOLE SHALL BE CONVERTED TO A STANDARD GRAVITY FLOW-THROUGH MANHOLE BY FURNISHING AND INSTALLING A STANDARD PRE-CAST MANHOLE PER CITY OF IMPERIAL STD. DET. 200.



MANHOLE #56

1. EXISTING SEWER FLOWS IN THIS MANHOLE ARE FROM THE UPSTREAM GRAVITY SYSTEM.
2. NO SEWER BY-PASS IS ANTICIPATED FOR THIS MANHOLE UNLESS CHANNEL WORK IS REQUIRED AFTER THE MANHOLE HAS BEEN PRESSURE CLEANED AND INDICATES SUCH.



MANHOLE #55

1. EXISTING SEWER FLOWS IN THIS MANHOLE ARE FROM THE UPSTREAM GRAVITY SYSTEM.
2. NO SEWER BY-PASS IS ANTICIPATED FOR THIS MANHOLE UNLESS CHANNEL WORK IS REQUIRED AFTER THE MANHOLE HAS BEEN PRESSURE CLEANED AND INDICATES SUCH.



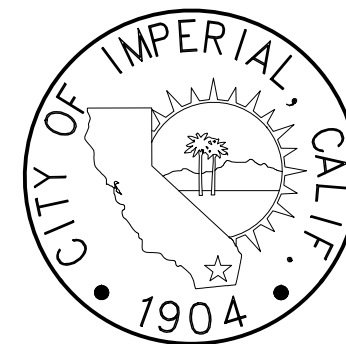
MANHOLE #54

1. EXISTING SEWER FLOWS IN THIS MANHOLE ARE FROM THE UPSTREAM GRAVITY SYSTEM.
2. NO SEWER BY-PASS IS ANTICIPATED FOR THIS MANHOLE UNLESS CHANNEL WORK IS REQUIRED AFTER THE MANHOLE HAS BEEN PRESSURE CLEANED AND INDICATES SUCH.



REVISIONS				
NO.	DATE	INITIAL	DESCRIPTION	APPROVED/DATE

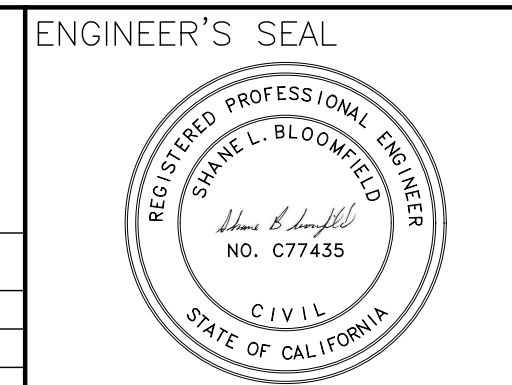
DESIGNED BY: _____ DRAWN BY: _____ CHECKED BY: _____



CITY OF IMPERIAL

CITY ENGINEER _____ DATE _____

REFERENCES



ALBERT A. WEBB ASSOCIATES ENGINEERING CONSULTANTS
3788 McCRAY STREET
RIVERSIDE, CA, 92506
PH. (951) 686-1070
FAX (951) 788-1256

PLANS PREPARED UNDER THE SUPERVISION OF:
Shane L. Bloomfield 03/06/2025
SHANE L. BLOOMFIELD REGISTERED CIVIL ENGINEER NO. C77435 DATE

	DATE
DESIGNED: SLB	
DRAWN: KIG	
TRACED:	
CHECKED: SLB	
SUBMITTED:	
SCALE:	

CITY OF IMPERIAL
IMPERIAL COUNTY, CALIFORNIA

MANHOLE AND LIFT STATION REHABILITATION
AND NEW MANHOLE INSTALLATION

MANHOLE #54-"C0-60" (S IMPERIAL AVE.)

DWG. NO. _____

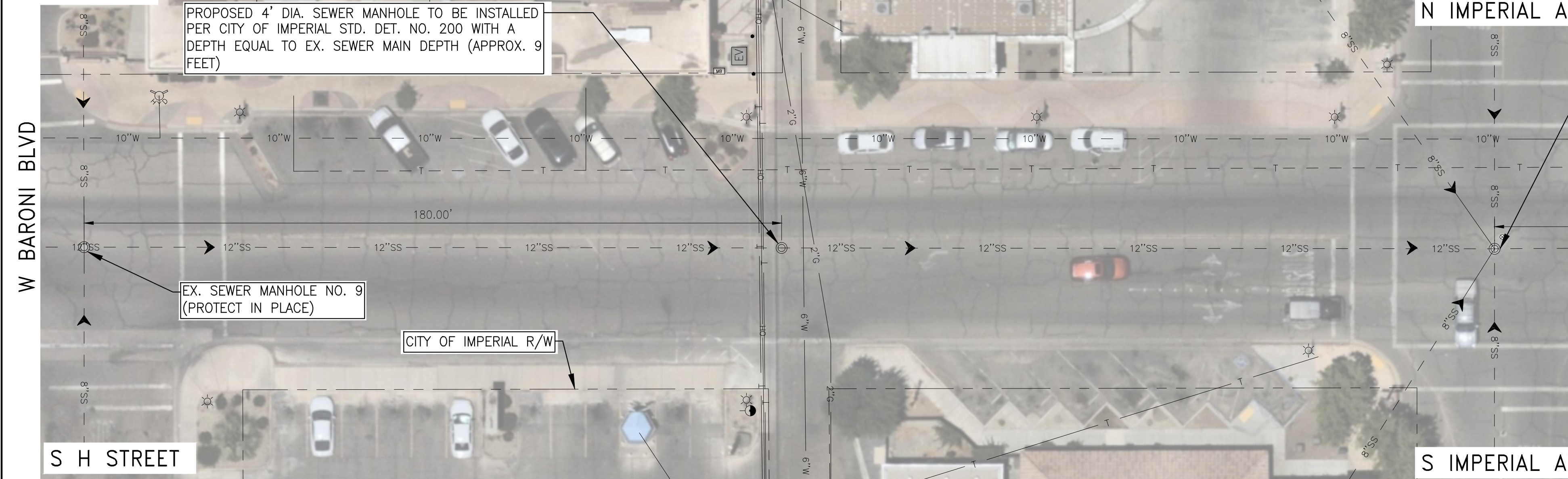
BID NO. 2025-01

SHEET **8**

OF 11

C-7

N H STREET



N IMPERIAL AVE

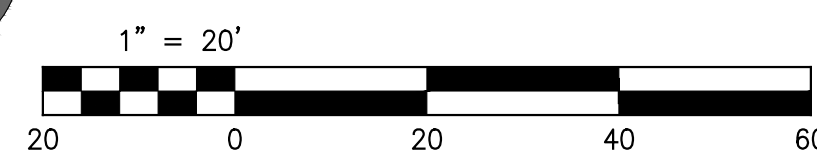
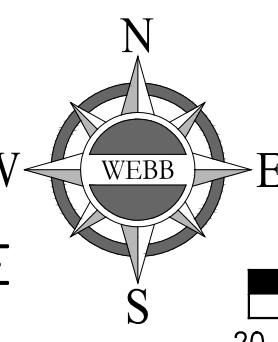
EX. SEWER MANHOLE NO. 10
(PROTECT IN PLACE)

W BARONI BLVD

W BARONI BLVD

S H STREET

S IMPERIAL AVE



NEW MANHOLES

- EXISTING SEWER FLOWS IN THESE THREE (3) NEW MANHOLES ARE FROM THE RESPECTIVE UPSTREAM GRAVITY SYSTEMS GENERALLY FLOWING FROM WEST TO EAST ALONG BARIONI BOULEVARD.
- ALL NEW MANHOLES SHALL CONFORM TO THE CITY OF IMPERIAL STD. DET. NO. 200 FOR 4' DIAMETER CONCRETE MANHOLE.

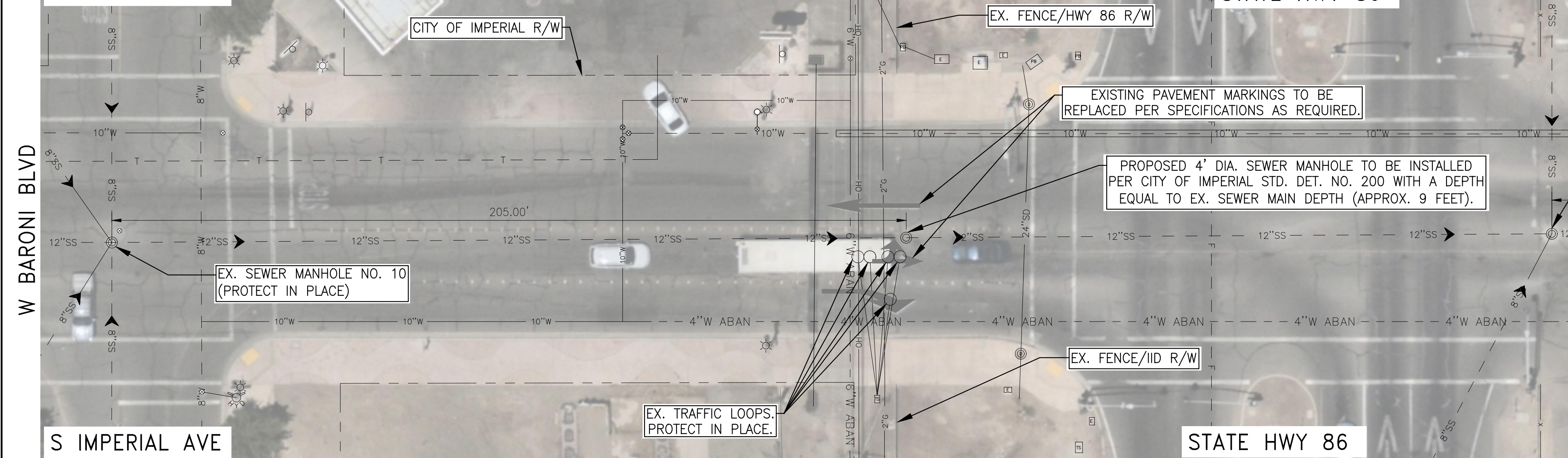
CONTRACTOR NOTES:

- PRIOR TO CONSTRUCTION, CONTRACTOR SHALL OBTAIN AN ENCROACHMENT PERMIT FOR WORK WITHIN THE CITY OF IMPERIAL RIGHT-OF-WAY.
- ANY NECESSARY PAVEMENT REPAIR WITHIN THE CITY OF IMPERIAL RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE CITY ENCROACHMENT PERMIT.
- CONTRACTOR SHALL PREPARE AND IMPLEMENT TRAFFIC CONTROL PLANS IN ACCORDANCE WITH CA MUTCD REQUIREMENTS FOR BOTH PUBLIC RIGHT-OF-WAY AND PRIVATE STREETS. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ENTRANCES/EXITS OF ALL CITY AND PRIVATE STREETS.
- CONTRACTOR SHALL REPAIR/REPLACE ALL DISTURBED THERMOPLASTIC PAVEMENT MARKINGS/MARKERS IN KIND.
- CONTRACTOR SHALL DETERMINE THE NEED FOR ANY AND ALL SEWER BY-PASS ACTIVITIES AND PROVIDE THE NECESSARY COSTS IN THE APPROPRIATE BID ITEMS. A SEWER BY-PASS PLAN SHALL BE SUBMITTED TO THE CITY 2 WEEKS IN ADVANCE OF WORK FOR APPROVAL.

PAVING NOTES:

- HOT MIX ASPHALT (HMA) SHALL BE TYPE A, WITH 3/4" AGGREGATE GRADATION AND PG 70-10 PM ASPHALT BINDER, AND CONSTRUCTED ACCORDING TO CALTRANS 2010 STANDARD SPECIFICATIONS, SECTION 39 AND STANDARD SPECIAL PROVISIONS 39-1.01.
- PRIME COAT SHALL BE APPLIED TO THE BASE PRIOR TO PLACING THE HMA. PRIME COAT SHALL CONFORM TO THE LATEST PROVISIONS IN STANDARD SPECIFICATIONS, SECTION 93 AND THE CALTRANS STANDARD SPECIAL PROVISIONS 39-1.22.
- TACK COAT SHALL BE APPLIED TO EXISTING PAVEMENT INCLUDING PLANED SURFACES, BETWEEN LAYERS OF HMA AND VERTICAL SURFACES OF CURBS, CUTTERS, AND CONSTRUCTION JOINTS. TACK COAT MUST COMPLY WITH THE SPECIFICATIONS FOR ASPHALTIC EMULSION IN STANDARD SPECIFICATIONS, SECTION 94, "ASPHALTIC EMULSION," OR ASPHALT BINDER IN SECTION 92, "ASPHALTS."
- RELATIVE COMPACTION OF 95 PERCENT SHALL BE OBTAINED FOR A MINIMUM DEPTH OF 2.5 FEET OF THE SUB-GRADE, ACCORDING TO STANDARD SPECIFICATIONS, SECTION 19, "EARTHWORK". CONTROLLED LOW-STRENGTH MATERIAL (CLSM) SHALL COMPLY WITH SECTION 19-3.02F AND 19.3.03I.
- AGGREGATE BASE SHALL BE CONSTRUCTED ACCORDING TO SECTION 26, "AGGREGATE BASES."

N IMPERIAL AVE



STATE HWY 86

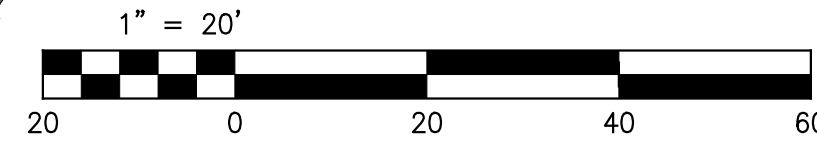
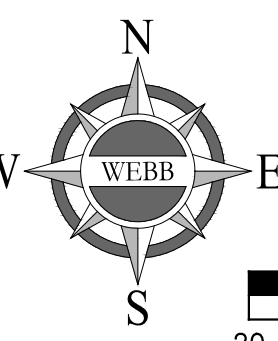
EX. SEWER MANHOLE NO. 11
(PROTECT IN PLACE)

W BARONI BLVD

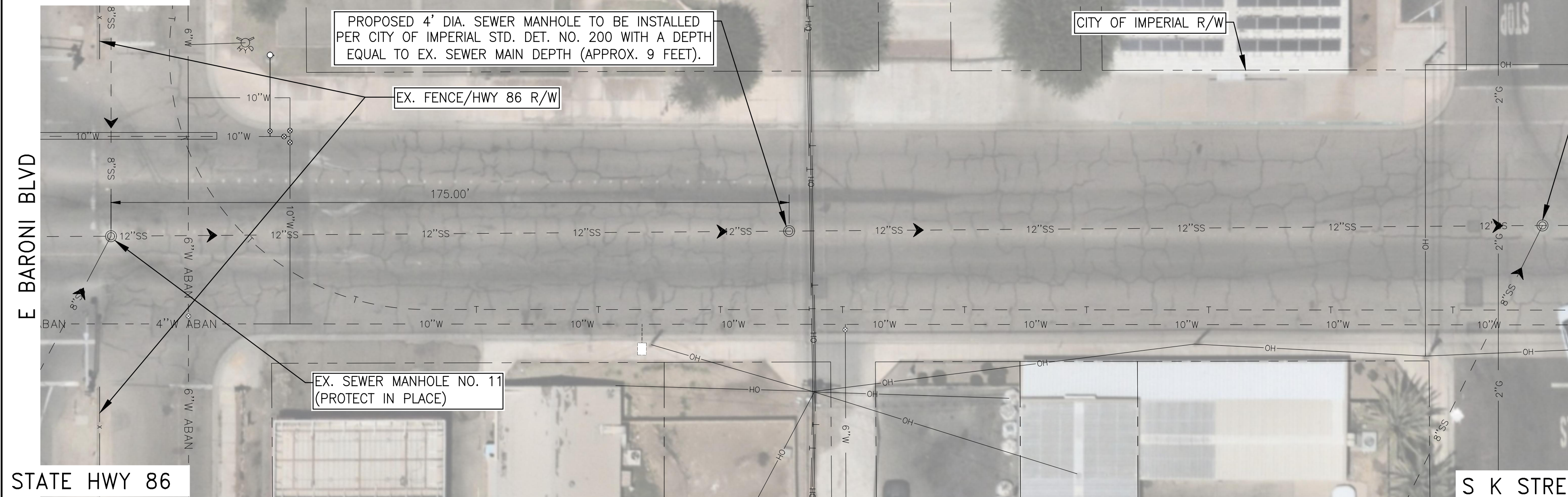
E BARONI BLVD

S IMPERIAL AVE

STATE HWY 86



STATE HWY 86



N K STREET

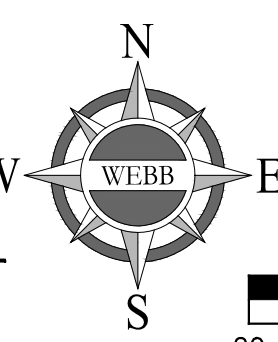
EX. SEWER MANHOLE NO. 12
(PROTECT IN PLACE)

E BARONI BLVD

E BARONI BLVD

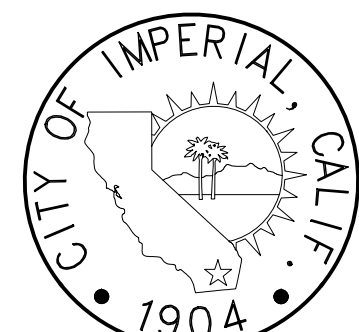
STATE HWY 86

S K STREET



REVISIONS				
NO.	DATE	INITIAL	DESCRIPTION	APPROVED/DATE

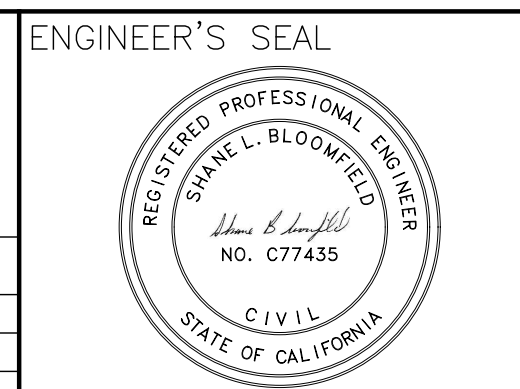
DESIGNED BY: _____ DRAWN BY: _____ CHECKED BY: _____



CITY OF IMPERIAL

CITY ENGINEER _____ DATE _____

REFERENCES



ALBERT A. WEBB ASSOCIATES ENGINEERING CONSULTANTS
3788 MCCRAY STREET RIVERSIDE CA, 92506
PH. (951) 686-1070 FAX (951) 788-1256

PLANS PREPARED UNDER THE SUPERVISION OF:
Shane L. Bloomfield 03/06/2025
SHANE L. BLOOMFIELD REGISTERED CIVIL ENGINEER NO. C77435 DATE

	DATE
DESIGNED: SLB	
DRAWN: KIG	
TRACED: _____	
CHECKED: SLB	
SUBMITTED: _____	
SCALE: _____	

CITY OF IMPERIAL
IMPERIAL COUNTY, CALIFORNIA

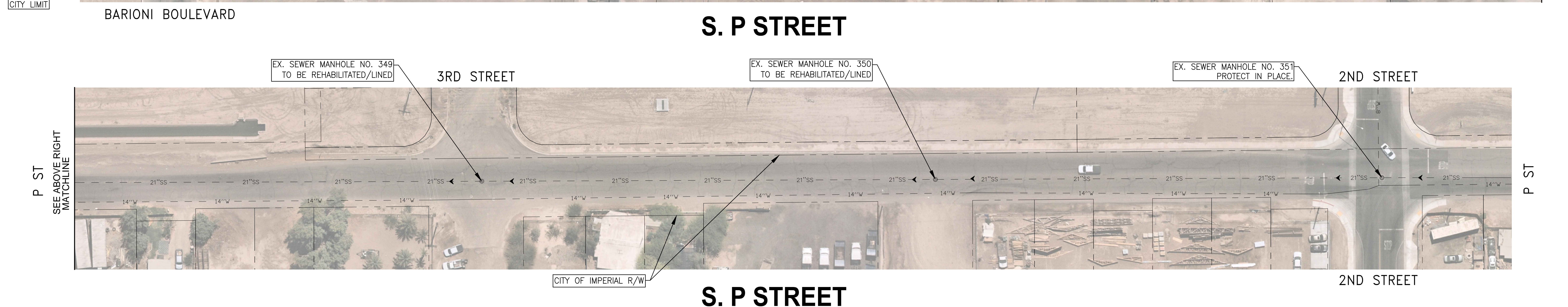
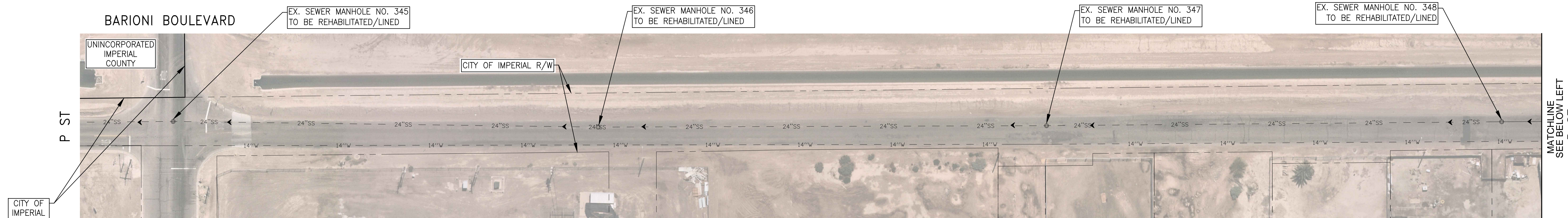
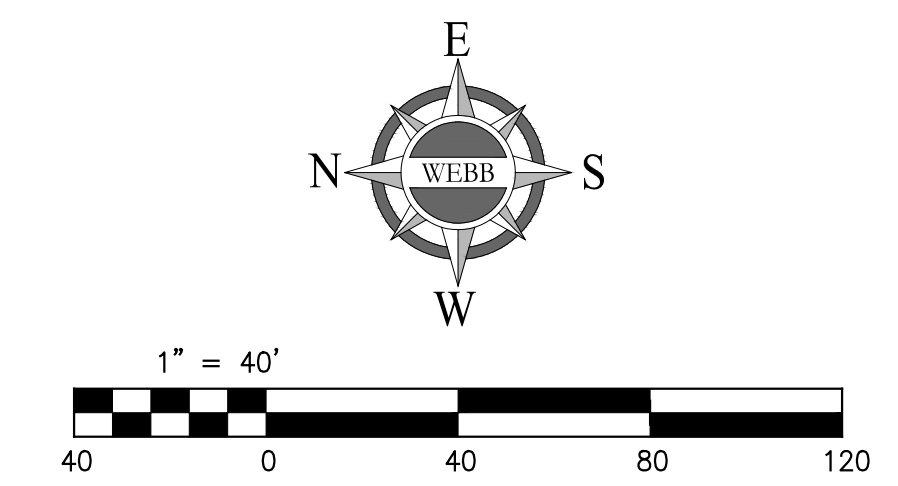
MANHOLE AND LIFT STATION REHABILITATION AND NEW MANHOLE INSTALLATION
BARIONI BOULEVARD NEW MAHOLES

DWG. NO. _____

BID NO. 2025-01
SHEET 9 OF 11
C-8

CONTRACTOR NOTES:

1. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL OBTAIN AN ENCROACHMENT PERMIT FOR WORK WITHIN THE CITY OF IMPERIAL RIGHT-OF-WAY.
2. ANY NECESSARY PAVEMENT REPAIR WITHIN THE CITY OF IMPERIAL RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE CITY ENCROACHMENT PERMIT.
3. CONTRACTOR SHALL PREPARE AND IMPLEMENT TRAFFIC CONTROL PLANS IN ACCORDANCE WITH CA MUTCD REQUIREMENTS FOR BOTH PUBLIC RIGHT-OF-WAY AND PRIVATE STREETS. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ENTRANCES/EXITS OF ALL CITY AND PRIVATE STREETS.
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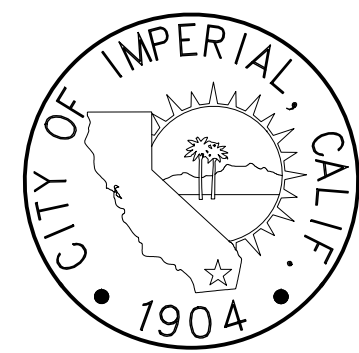


MANHOLES #345, 346, 347, 348, 349, AND 350

1. EXISTING SEWER FLOWS INTO THESE MANHOLES ARE FROM THE UPSTREAM GRAVITY SYSTEM.
2. NO SEWER BY-PASS IS ANTICIPATED FOR THESE MANHOLES UNLESS CHANNEL WORK IS REQUIRED AFTER THE MANHOLE HAS BEEN PRESSURE CLEANED AND INDICATES SUCH.
3. MANHOLE #348 IS PICTURED TO THE LEFT, AND IS APPROXIMATELY 8.5 FEET IN DEPTH.



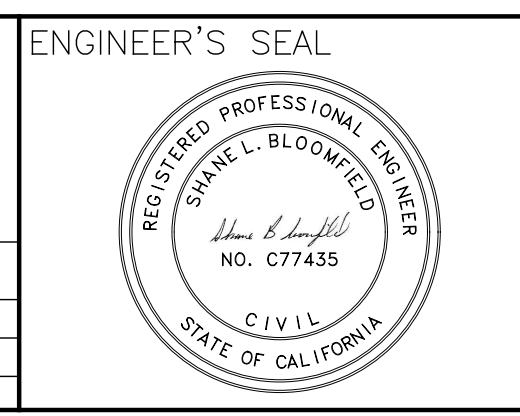
REVISIONS				
NO.	DATE	INITIAL	DESCRIPTION	APPROVED/DATE
DESIGNED BY:	DRAWN BY:	CHECKED BY:		



CITY OF IMPERIAL

CITY ENGINEER _____ DATE _____

REFERENCES



ALBERT A. WEBB ASSOCIATES ENGINEERING CONSULTANTS
3788 McCRAY STREET
RIVERSIDE, CA, 92506
PH. (951) 686-1070
FAX (951) 788-1256

PLANS PREPARED UNDER THE SUPERVISION OF:
Shane L. Bloomfield
SHANE L. BLOOMFIELD
REGISTERED CIVIL ENGINEER NO. C77435

03/06/2025
DATE

DESIGNED:	SLB	DATE
DRAWN:	KIG	
TRACED:		
CHECKED:	SLB	
SUBMITTED:		
SCALE:		

CITY OF IMPERIAL
IMPERIAL COUNTY, CALIFORNIA

MANHOLE AND LIFT STATION REHABILITATION
AND NEW MANHOLE INSTALLATION

MANHOLE #345 - #350 (P ST.)

DWG. NO. _____

BID NO.
2025-01

SHEET
10
OF 11

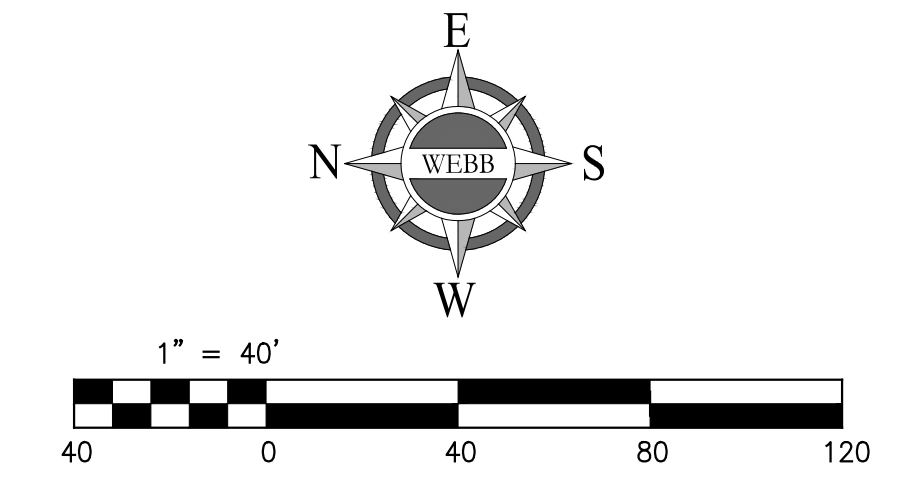
C-9

CONTRACTOR NOTES:

1. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL OBTAIN AN ENCROACHMENT PERMIT FOR WORK WITHIN THE CITY OF IMPERIAL RIGHT-OF-WAY.
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SEWER BY-PASS NOTES:

1. CONTRACTOR SHALL PROVIDE A DETAILED "SEWAGE SPILL CONTAINMENT PLAN AND SEWER BY-PASS PHASING PLAN" (INCLUDING A TRAFFIC CONTROL PLAN AS REQUIRED) SHOWING THE PROPOSED LAYOUT OF THE TEMPORARY FACILITIES IN ACCORDANCE TO THE SPECIAL REQUIREMENTS OF THE SPECIFICATION.
2. THE CONTRACTOR SHALL ARRANGE FOR, FURNISH, INSTALL AND MAINTAIN ALL REQUIRED BY-PASS EQUIPMENT, PUMP, GENERATORS, PIPING, FITTINGS, CONNECTIONS, ETC. REQUIRED TO BY-PASS THE EXISTING SEWER FLOWS DURING CONSTRUCTION. ALL BYPASS EQUIPMENT SHALL BE INSTALLED AND BE MADE IMMEDIATELY OPERABLE TO PROVIDE COMPLETE REDUNDANCY (PRIMARY AND BACKUP SYSTEM) TO HANDLE PEAK FLOWS. CONTRACTOR SHALL PROVIDE FOR PERSONNEL TO CONTINUOUSLY MONITOR THE BY-PASS SYSTEM. BY-PASS SYSTEM SHALL BE DESIGNED TO HANDLE PEAK FLOWS OF APPROXIMATELY 500 GALLONS PER MINUTE.



VIEW NORTH WITHIN CROSS STREET LIFT STATION

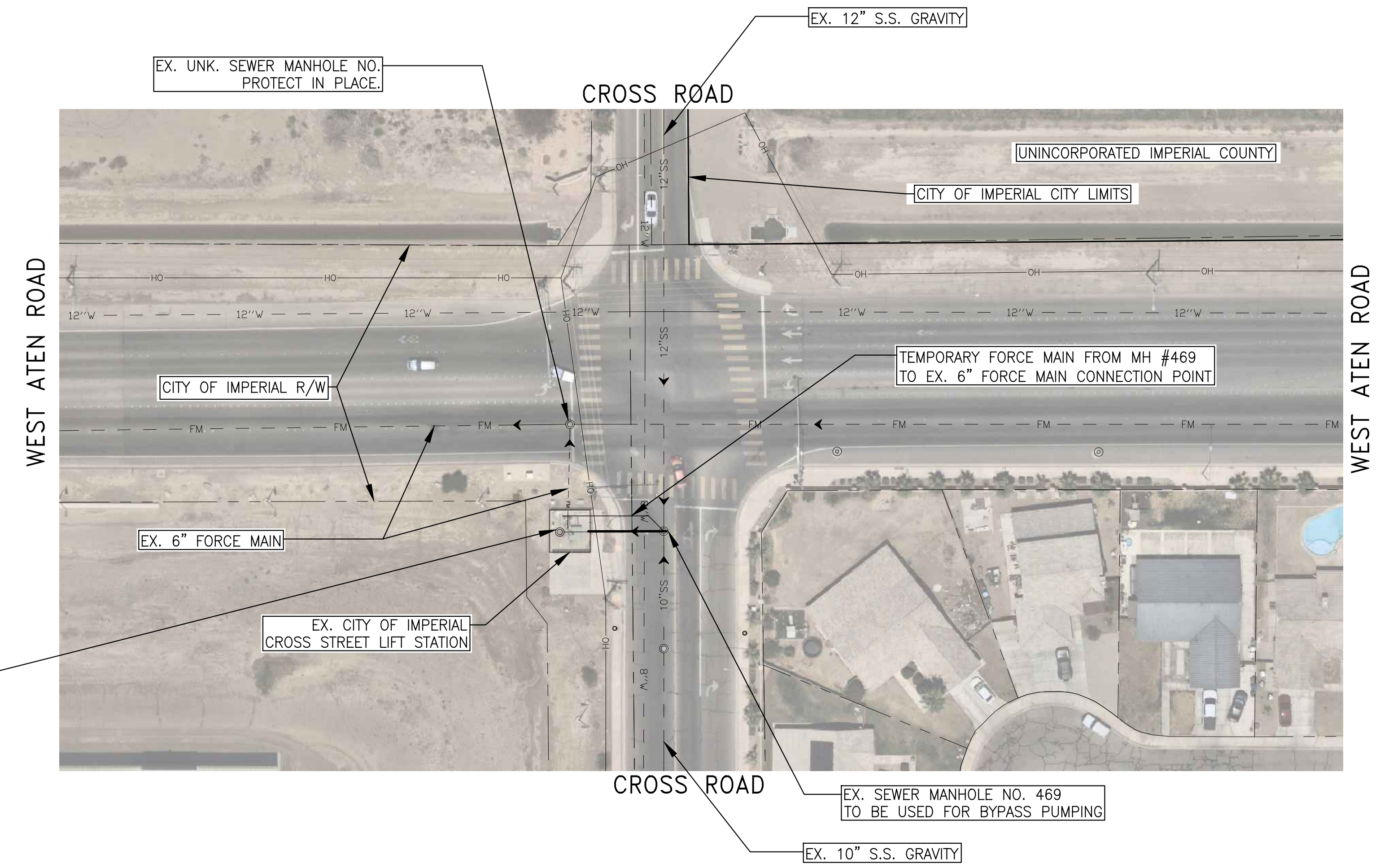


VIEW WITHIN EXISTING CROSS STREET LIFT STATION WET WELL TO BE REHABILITATED

EX. 6" FORCE MAIN BYPASS PUMPING CONNECTION POINT

EX. PVC SUCTION PIPING

EX. WET WELL TO BE REHABILITATED/LINED



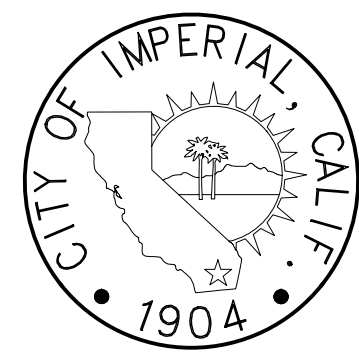
CROSS ROAD LIFT STATION

1. EXISTING SEWER FLOWS INTO THE EXISTING WET WELL ARE FROM THE UPSTREAM GRAVITY SYSTEM FROM THE TRIBUTARY FLOWS FROM THE NORTH AND SOUTH IN CROSS ROAD, AND FROM THE EAST IN WEST ATEN ROAD.
2. SEWER BY-PASS IS ANTICIPATED FOR THE WET WELL REHABILITATION. SEE SEWER BY-PASS NOTES LISTED ON THIS SHEET.
3. THE EXISTING CROSS ROAD LIFT STATION WET WELL IS APPROXIMATELY 20 FEET IN DEPTH, AND 9 FEET IN DIAMETER.



REVISIONS				
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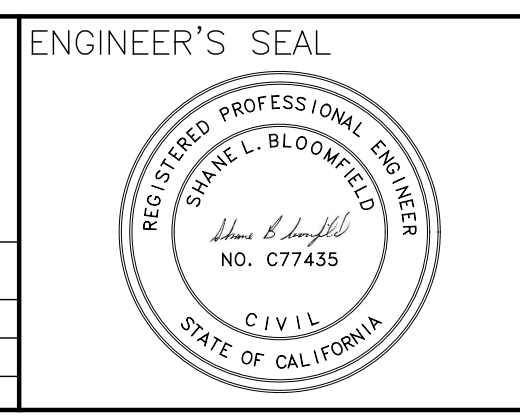
DESIGNED BY: _____ DRAWN BY: _____ CHECKED BY: _____



CITY OF IMPERIAL

CITY ENGINEER _____ DATE _____

REFERENCES



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PLANS PREPARED UNDER THE SUPERVISION OF:

 SHANE L. BLOOMFIELD
 REGISTERED CIVIL ENGINEER NO. 077435

DATE: 03/06/2025

	DATE
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DRAWN: KIG	
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SCALE: _____	

CITY OF IMPERIAL
 IMPERIAL COUNTY, CALIFORNIA

MANHOLE AND LIFT STATION REHABILITATION AND NEW MANHOLE INSTALLATION

CROSS ST. LIFT STATION

DWG. NO. _____

BID NO. 2025-01

SHEET 11 OF 11

C-10