CONSTRUCTION PLANS

FOR

SEWER COLLECTION SYSTEM REHABILITATION
(MONITOR BASINS OPL01, OPL02, OPL04, PS08, PS10)

OWNED BY:

CITY OF OPELOUSAS
P.O. BOX 1879
OPELOUSAS, LOUISIANA 70570
PHONE: (337) 948-2520

MGA PROJECT SC#251-3
AUGUST, 2026

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MAYOR

JULIUS ALSANDOR

ALDERMEN

MARVIN T. RICHARD, ALDERMAN AT LARGE

JOHN GUILBEAU, DISTRICT A

DELITA RUBIN–BROUSSARD, DISTRICT B

CHARLES W. CUMMINGS, DISTRICT C

SHERELL ROBERTS, DISTRICT D

CHASITY DAVIS, DISTRICT E

CHIEF ADMINISTRATIVE OFFICER

ANTHONY DANIEL

PREPARED BY:

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APPROVED BY:
MORGAN GOUDEAU & ASSOCIATES, INC.

08–31–2026
WILLIAM H. JARRELL, P.E.
LIC. NO. 22819

LDH TRACKING NO.: 60007112

Louisiana 811 LOUISIANA811.COM

TYPE OF CONSTRUCTION

REHABILITATION OF EXISTING SEWER COLLECTION SYSTEM

CLASSIFICATIONS

CONTRACTORS LICENSE REQ'D:
MUNICIPAL AND PUBLIC WORKS

SHEET NUMBER 1

TITLE SHEET

SEWER COLLECTION SYSTEM REHABILITATION
CITY OF OPELOUSAS
ST. LANDRY PARISH, LOUISIANA

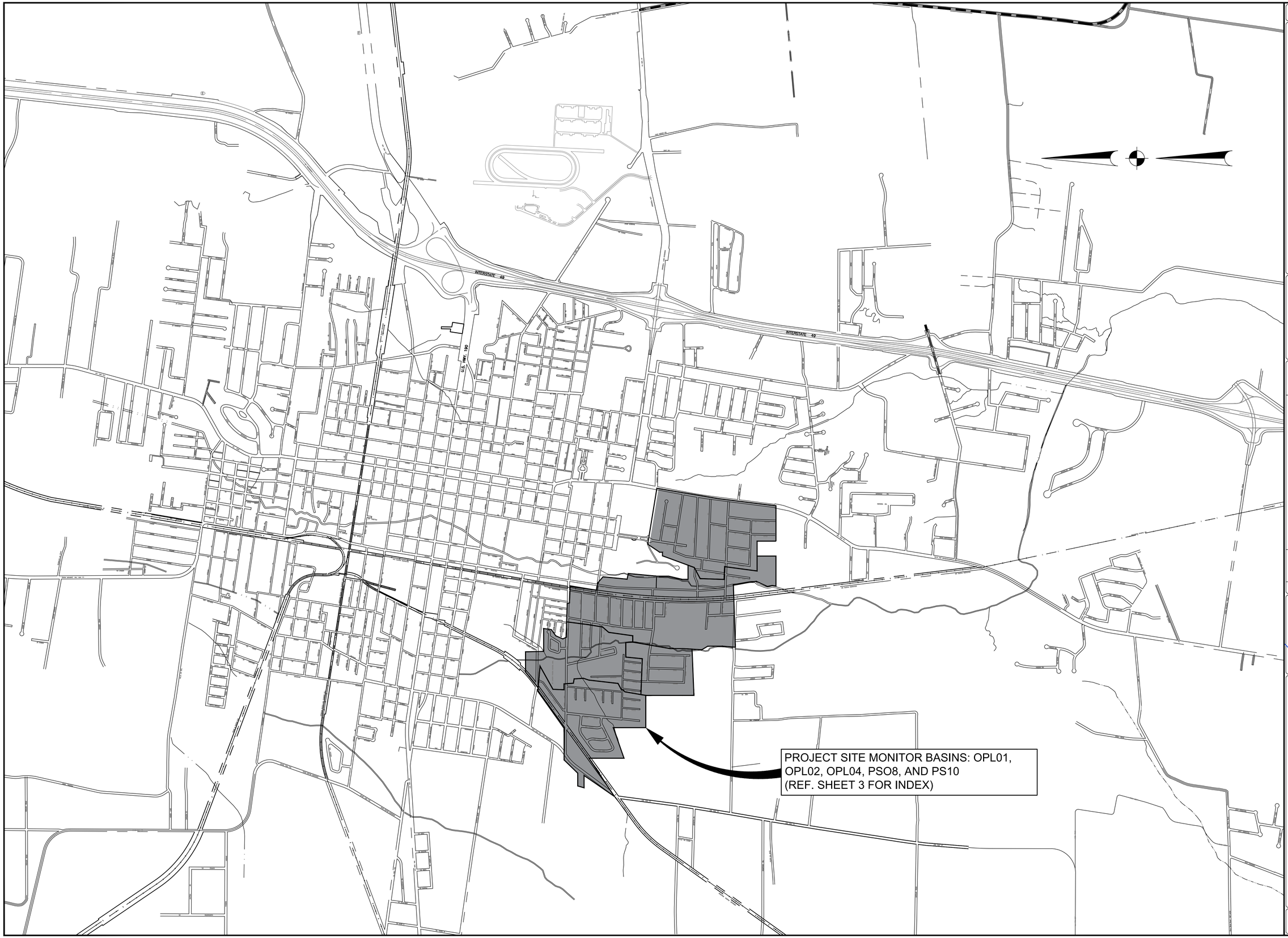
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DATE: 08–31–2026
DESIGNED BY: WHJ, III
CHECKED BY: WHJ, III
DRAWN BY: LPT

NO.	DATE	REVISION DESCRIPTION	BY

STATE OF LOUISIANA
William H. Jarrell, III
REG. No. 22819
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEER
08/31/2026

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PROJECT NO.
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SHEET NUMBER 2

VICINITY MAP

SEWER COLLECTION SYSTEM REHABILITATION

CITY OF OPELOUSAS
ST. LANDRY PARISH, LOUISIANA

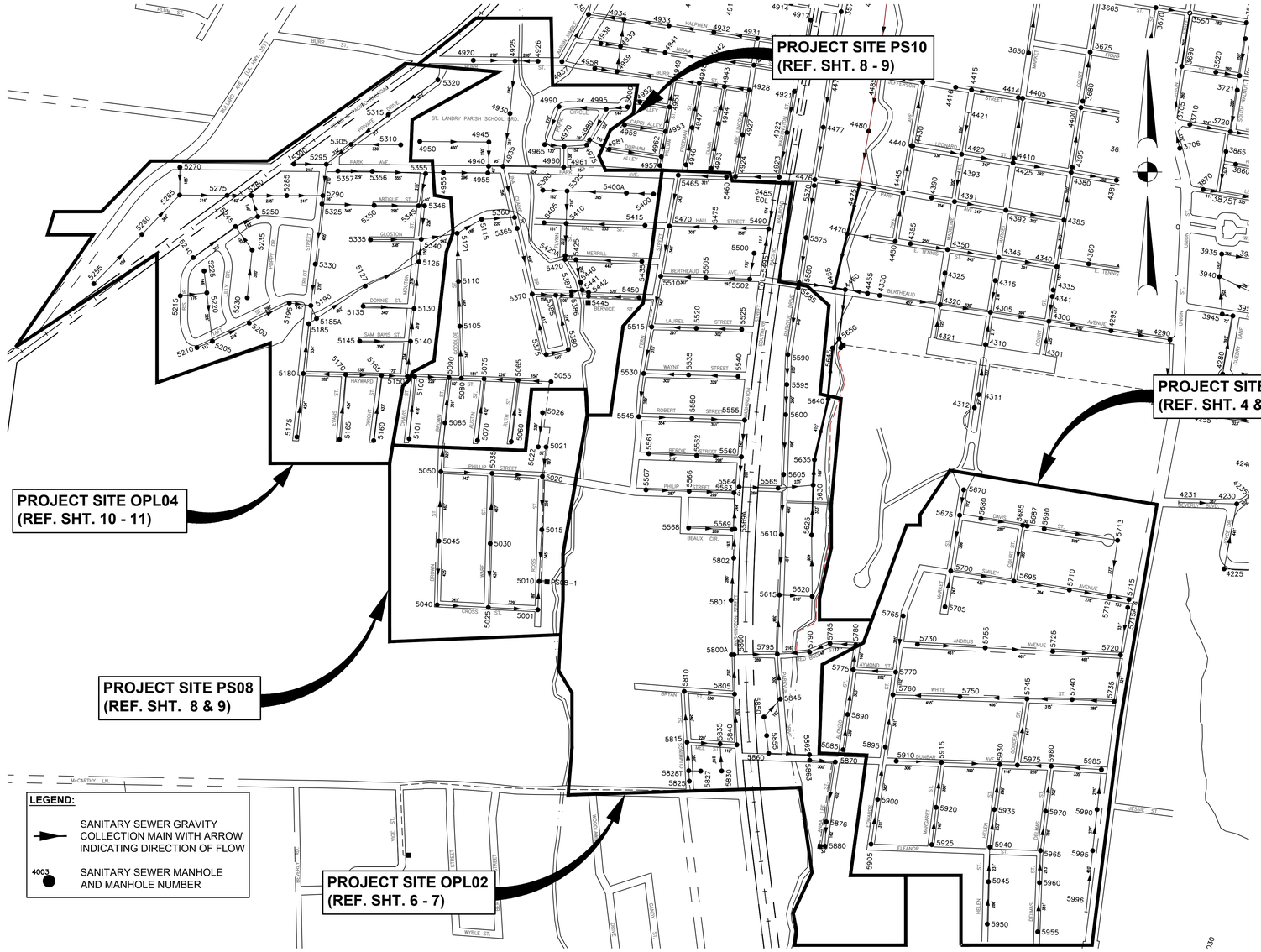
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PROJECT NO.
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The City of Opelousas

Sanitary Sewer Rehabilitation Code List

Rehab #	Rehab Description	Rehab #	Rehab Description
1	Install Inflow Dish @ MH Cover	49	Repair Storm/Main Cross Connection
2	Install MH Lid Gasket	50	Plug Abandoned Mainline @ MH
3	Plug Vent Holes in MH Lid	51	Plug Overflow @ Exit from Manhole
4	Replace MH Cover	52	Plug Storm Connection @ Manhole
5	Replace Missing MH Cover Bolts	53	Plug Stub-Out @ Manhole
6	Install MH Frame & Cover – Standard	54	Clean Mainline – Medium Deposition
7	Install MH Fr.& Cover – Raise to Grade	55	Clean Mainline – Heavy Deposition
8	Raise MH to Grade	56	Remove Blockage in Mainline
9	Realign and Seal MH Frame		
10	Repair Leak @ MH Lid Adjuster	70	Disconnect Roof Drains
11	Seal MH Casting-to-Chimney	71	Disconnect Yard Drain @ Service Line
12	Seal MH Casting-to-Cone	72	Plug Abandoned Svc.@ Property Line
13	Plug & Waterproof – MH Chimney	73	Point Repair Service Line
14	Plug Lift Holes in Precast Chimney		
15	Rebuild MH Chimney	75	Point Repair Svc/Storm Cross Connect
16	Repair Leaks @ MH Chimney Joints	76	Repair Exposed Service @ Ditch Line
17	Repair Leaks @ MH Chimney Wall	77	Repair Poorly Connected Roof Drain
18	Plug & Waterproof – MH Cone	78	Repair, Replace, or Install Cleanout
19	Plug Lift Holes in Precast MH Cone	79	Replace Section of Service Line
20	Rebuild MH Cone	80	Replace Cleanout Cap/Cover
21	Repair Leaks @ MH Cone Joints	83	No Description (No Access/Fence/Dog)
22	Repair Leaks @ MH Cone Wall	84	Unidentified Smoke Leak – Dye Test
23	Form and Pour New Manhole Wall	85	Clean, TV Inspect Line
24	Plug & Waterproof – MH Walls	86	Heavy Clean, TV Inspect Line
25	Plug Lift Holes in Precast MH Sections	87	Remove Roots, Clean TV Inspect Line
26	Repair Leaks – MH Wall	88	Rmv. Hvy. Roots, CCTV Line
27	Seal Precast MH Joints	90	Normal Line Cleaning
28	Remove MH Steps & Seal Holes	91	Remove Flush Valve from MH
29	Replace MH Steps	92	Other Utilities Pass Thru MH
30	Install New MH Bench and Channel	93	Un-located Mainline I/I
31	Repair Leaks – MH Bench	391	Replace Manhole
32	Rebuild MH Channel	392	Plug & Waterproof Coat Entire MH
33	Repair Leaks – MH Channel	393	Replace Flush Tank w. Standard MH
34	Remove MH Deposition - Medium	394	Replace EOL, T, or C.O w. Stand. MH
35	Remove MH Deposition - Heavy	395	Replace Oval Frm/Cvr. W. Stand.F/Cvr.
36	Locate MH – Raise to Grade (CNL)	431	TV Insp. Line – Mainline Point Repair
37	Uncover MH – Raise to Grade (Buried)	432	Remove Roots, CCTV, ML Point Repair
		441	TV Insp. Line – Mainline Replacement
40	Minor Defects – CCTV	442	Remove Roots, CCTV, ML Replacement
41	Minor Defects – Remove Roots, CCTV	491	Investigate Suspect Storm/Main Conn.
42	Install Sleeve @ Exposed Pipe	691	CCTV, Repair Mainline
43	Mainline Point Repair	692	Construct MH, Test, Grout Mainline
44	Mainline Replacement (Section)	693	Install Cured-In-Place Liner (CIPP)
45	Repair Faulty Mainline Tap	694	Install Formed-In-Place Liner
46	Repair MH/P Connection (External)	695	Slipline Entire Mainline Segment
47	Repair MH/P Connection (Internal)	696	Replace Entire Mainline Segment
48	Plug Storm Drain @ Main (Dir. Conn.)	751	Investigate Suspect Storm/Svc Conn.

GENERAL NOTES:

1. THE MAINLINE AND MANHOLE REHABILITATION WORK SHOWN TO BE PERFORMED IN THESE PLANS WAS OBTAINED FROM CCTV AND MANHOLE INSPECTION INSPECTIONS PERFORMED FOR THE CITY OF OPELOUSAS DURING THE PERIOD FROM MARCH 2025 THROUGH MARCH 2026.
2. THE REHABILITATION WORK WILL INCLUDE MAINLINE AND SERVICE LINE POINT REPAIRS, MAINLINE AND SERVICE LINE REPLACEMENT, INSTALLATION OF CURED–IN–PLACE PIPE, REPLACING OF MAINLINES BY PIPE BURSTING METHOD, PLUGGING AND WATERPROOFING MANHOLES, MANHOLE REPAIRS, AND OTHER INVESTIGATIVE WORK TO LOCATE AND IDENTIFY SOURCES OF INFLOW AND INFILTRATION SUCH AS SMOKE TESTING, DYE FLOODING, AND CLOSED CIRCUIT VIDEO INSPECTION.
3. THE WORK WILL BE PERFORMED IN COORDINATION WITH THE ENGINEER IN A MANNER GENERALLY DESCRIBED AS FOLLOWS:
   a. WORK ORDERS WILL BE ISSUED BY THE ENGINEER TO PERFORM ALL WORK IDENTIFIED AND CALLED FOR ON THE PLANS.
   b. AFTER COMPLETION OF THE WORK CALLED FOR ON THE PLANS, THE CONTRACTOR WILL BE ISSUED A WORK ORDER TO SMOKE TEST LINE SEGMENTS IN EACH MONITOR BASIN THAT WERE NOT SPECIFICALLY IDENTIFED ON THE PLANS TO BE SMOKE TESTED.
   c. AS THE SMOKE TESTING IS BEING PERFORMED, THE ENGINEER'S REPRESENTATIVE MAY DIRECT THE CONTRACTOR TO REPAIR A SPECIFIC DEFECT IDENTIFIED. AFTER COMPLETION OF THE SMOKE TESTING, THE CONTRACTOR SHALL SUBMIT SMOKE TEST REPORTS TO THE ENGINEER FOR REVIEW AND EVALUATION. IF A DEFECT IDENTIFIED HAS BEEN REPAIRED, THE SMOKE TEST REPORT SHALL SHOW THE DEFECT AS BEING REPAIRED. THE REQUIREMENTS FOR THE SMOKE TEST DELIVERABLES ARE PROVIDED IN SECTION 02957 OF THE TECHNICAL SPECIFICATIONS.
   d. DURING THE SMOKE TESTING WORK, THE CONTRACTOR MAY BE DIRECTED TO PERFORM ADDITIONAL INVESTIGATIVE WORK (DYE FLOOD, CCTV, MANHOLE INSPECTION, ETC.) TO LOCATE AND IDENTIFY MANHOLES, MAINLINES, STORM DRAIN CONNECTIONS, AND OTHER I/I SOURCES.
   e. UPON ENGINEER'S REVIEW AN EVALUATION OF THE SMOKE TEST REPORT, THE CONTRACTOR MAY BE ISSUED ADDITIONAL WORK ORDERS TO REPAIR DEFECTS IDENTIFIED IN THE SMOKE TEST REPORT.
4. CONTRACTOR'S CONSTRUCTION METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF LAC TITLE 51–PUBLIC HEALTH–SANITARY CODE, PART XII (LOUISIANA SANITARY CODE) AND THE LOUISIANA STATE PLUMBING CODE.
5. CONTRACTROR SHALL COORDINATE ALL WORK BETWEEN THE ENGINEER OR HIS DESIGNATED REPRESENTATIVE AND THE CITY'S WASTEWATER COLLECTION SYSTEM SUPERVISOR A MINIMUM OF FORTY–EIGHT (48) HOURS BUT NOT MORE THAN ONE–HUNDRED TWENTY (120) HOURS PRIOR TO BEGINNING THE WORK.
6. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES VIA LOUISIANA ONE CALL PRIOR TO BEGINNIG ANY EXCAVATION WORK.
7. ALL PROSPECTIVE BIDDERS, PRIOR TO BIDDING ON THE PROJECT, ARE DIRECTED TO VISIT THE SITE OF ALL PROPOSED WORK TO CONDUCT VISUAL INVESTIGATIONS THEY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSION REGARDING THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTERED DURING THE COURSE OF THE WORK, AND UPON WHICH THEIR BID WILL BE BASED.
8. NO DIRECT PAYMENT FOR THE REMOVAL OF SMALL TREES, SHRUBS, AND DEBRIS SHALL BE MADE TO THE CONTRACTOR UNLESS DESIGNATED OTHERWISE. LARGE TREES AND OTHER OBSTACLES IN CONFLICT WITH THE PROPOSED WORK SHALL BE ADDRESSED DURING CONSTRUCTION AHEAD OF CONSTRUCTION ACTIVITIES.
9. CONTRACTOR SHALL BACKFILL ALL EXCAVATIONS AT THE END OF EACH WORKING DAY. UNDER NO CIRCUMSTANCES SHALL AN EXCAVATION REMAIN OPEN OVERNIGHT EXCEPT IN SPECIAL CIRCUMATANCES AND IF APPROVED BY THE ENGINEER IN WRITING. EXCAVATIONS MUST BE RESTORED TO AS GOOD OR BETTER CONDITION THAN PRIOR EXISTING CONDITION WITHIN SIXTY (60) DAYS OF THE WORK AT A SPECIFIC LOCATION BEING COMPLETED. EXCAVATIONS REQUIRING ADDITIONAL MATERIAL AFTER FINAL DRESS UP SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AT NO DIRECT OR ADDITIONAL PAY. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EROSION AND DRESS UP DURING THE ONE YEAR WARRANTY PERIOD.
10. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL REQULATIONS FOR THE DISPOSAL OF TRASH AND DEBRIS GENERATED FROM CONSTRUCTION ACTIVITIES.
11. CONTRACTOR ATTENTION IS CALLLED TO DIVISION 1, SECTION 01025 OF THE TECHNICAL SPECIFICATIONS FOR DESCRIPTION OF MEASUREMENT AND PAYMENT OF ITEMS OF WORK.
12. THE WORK WILL TAKE PLACE ON EXISTING SEWER LINES AND MANHOLES THAT ARE LOCATED IN FLOOD ZONES X (AREAS OUTSIDE OF THE 100–YEAR FLOOD ZONE) OR FLOOD ZONE A/AE (WITHIN THE 100–YEAR FLOOD ZONE). NO WORK IS ANTICIPATED TO TAKE PLACE WITHIN AN EXISTING FLOODWAY. THE AREAS WHERE THE WORK WILL TAKE PLACE ARE ACCESSIBLE DURING THE 25–YEAR FLOOD EVENT.
13. THIS PROJECT IS BEING FUNDED THROUGH THE CITY'S CLEAN WATER REVOLVING LOAN OBTAINED FROM AND ADMINISTERED BY THE LOUISIANA DEPARMENT OF ENVIRONMENTAL QUALITY.

SHEET NUMBER 3

GENERAL LAYOUT PLAN

SEWER COLLECTION SYSTEM REHABILITATION
CITY OF OPELOUSAS
ST. LANDRY PARISH, LOUISIANA

SCALE: 1" = 400'
DATE: 08–31–2026
DESIGNED BY: WHJ, III
CHECKED BY: WHJ, III
DRAWN BY: LPT

NO.	DATE	REVISION DESCRIPTION	BY

STATE OF LOUISIANA
William H. Jarrell, III
REG. No. 22819
REGISTERED PROFESSIONAL ENGINEER
08/31/2026

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PROJECT NO.
SC#251-3



WASTEWATER COLLECTION SYSTEM
MONITOR BASINS OPL01
SCALE: 1" = 200'

WASTEWATER COLLECTION SYSTEM REHABILITATION
MONITOR BASIN OPL01

WORK ORDER NO.	MONITOR BASIN	UP MH	DN MH	PIPE SIZE	PIPE TYPE	APPROX. DEPTH	SURFACE	REHAB. CODE	DESCRIPTION	COMMENTS
	OPL01	5675	5700	8"	VCP	5'	ASPHALT	87	Root Removal and Chemical Root Treatment (386')	
	OPL01	5675	5700	8"	VCP	5'	ASPHALT	45, 78, 79	Repair Faulty Mainline Tap at 336' from MH5675. Replace Service Line from Main to Property Line and Install Cleanout.	Heavy Roots in Tap
	OPL01	5685	5695	8"	VCP	5'	ASPHALT	87	Root Removal and Chemical Root Treatment (385')	
	OPL01	5690	5713	8"	VCP	4'	ASPHALT	45, 78, 79	Repair Faulty Mainline Taps (2) at 412' from MH5690. Replace Service Line from Main to Property Line and Install Cleanout for Each Service.	Intruding Break-In Taps
	OPL01	5695	5710	8"	VCP	5.5'	ASPHALT	78, 79, 696	8" Pipe Burst (384') and Restore (11) Services Including 25' of Service Line Replacement (Per Each) – Install Cleanout for Each Service.	Root Infiltration and Defective Factory Taps
	OPL01	5700	5695	8"	VCP	5.5'	ASPHALT	78, 79, 696	8" Pipe Burst (431') and Restore (11) Services Including 25' of Service Line Replacement (Per Each) – Install Cleanout for Each Service.	Root Infiltration and Defective Factory Taps
	OPL01	5705	5700	8"	VCP	5.5'	ASPHALT	78, 79, 696	8" Pipe Burst (243') and Restore (7) Services Including 25' of Service Line Replacement (Per Each) – Install Cleanout for Each Service.	Root Infiltration Throughout and Defective Factory Tap 141' from 5705
	OPL01	5715	5715A	8"	VCP	5'	GRASS/DIRT	43, 693	Point Repair at 20' from MH5715A. Install 8" CIPP Liner (50') (No Services)	
	OPL01	5715A	5720	8"	VCP	6'	GRASS/DIRT	78, 79, 696	8" Pipe Burst (331') and Restore (4) Services Including 25' of service Line Replacement (per each) Install Cleanout for Each Service.	
	OPL01	5720	5735	8"	VCP	6.5'	ASPHALT	87	Root Removal and Chemical Root Treatment. Install 8" CIPP Liner (321') and Restore Services (Internal) (2 Services)	
	OPL01	5725	5720	8"	VCP	6'	ASPHALT	45, 78, 79	Repair Faulty Mainline Tap at 291' from MH5725. Replace Service Line from Main to Property Line and Install Cleanout.	
	OPL01	5725	5720	8"	VCP	6'	ASPHALT	45, 78, 80	Repair Faulty Mainline Tap at 406' from MH5725. Replace Service Line from Main to Property Line and Install Cleanout.	
	OPL01	5735	5740	8"	VCP	8'	ASPHALT	43	8" VCP Point Repair @ 102' – 111' from MH 5735	
	OPL01	5740	5745	8"	VCP	9.5'	ASPHALT	43	8" VCP Point Repair at 197' from MH5740	
	OPL01	5745	5750	10"	VCP	10.5'	ASPHALT	87	Root Removal and Chemical Root Treatment at 157' from MH5745	
	OPL01	5755	5725	8"	VCP	5.5'	ASPHALT	45, 78, 79	Repair Faulty Mainline Tap at 243' from MH2725. Replace Service Line from Main to Property Line and Install Cleanout.	
	OPL01	5760	5770	10"	VCP	15.5'	ASPHALT	87	Root Removal and Chemical Root Treatment (152')	
	OPL01	5775	5780	8"	VCP	11'	ASPHALT	78, 79, 693	Install 8" CIPP Liner (166') and Restore Services (2) – Replace Service Line from Main to Property Line and Install Cleanout for Each Service.	Replace Service Lines and Taps Prior to CIPP.
	OPL01	5885	5890	8"	CAS	7'	ASPHALT	45, 78, 79	Repair Faulty Mainline Tap at 140' from MH5885. Replace Service Line from Main to Property Line and Install Cleanout.	
	OPL01	5890	5775	8"	VCP	7'	ASPHALT	78, 79, 693	Install 8" CIPP Liner (303') and Restore Services (5) – Replace Service Lines from Main to Property Line and Install Cleanout for Each Service.	Replace Service Lines and Taps Prior to CIPP.
	OPL01	5895	5760	8"	CIPP	12.5'	ASPHALT	45, 78, 79	Smoke Test Mainline. Repair Faulty Mainline Tap at 255' from MH5895. Replace Service Line from Main to Property Line and Install Cleanout.	
	OPL01	5900	5895	8"	VCP	7'	ASPHALT	78, 79, 693	Install 8" CIPP Liner (361') and Restore Services (7) – Replace Service Line from Main to Property Line. Install Cleanout for Each Service.	Replace Service Lines and Taps Prior to CIPP.
	OPL01	5910	5915	8"	VCP	5.5'	ASPHALT	78, 79, 696	8" Pipe Burst (306') and Restore Services (7) – Replace Service Line from Main to Property Line. Install Cleanout for Each Service.	
	OPL01	5915	5930	8"	VCP	7'	ASPHALT	78, 79, 696	8" Pipe Burst (390') and Restore Services (6) – Replace Service Line from Main to Property Line. Install Cleanout for Each Service.	
	OPL01	5925	5920	8"	VCP	5'	ASPHALT	78, 79, 693	Install 8" CIPP Liner (250') and Restore Services (5) – Replace Service Line from Main to Property Line. Install Cleanout for Each Service.	Replace Service Lines and Taps Prior to CIPP.
	OPL01	5935	5930	8"	VCP	7'	ASPHALT	78, 79, 694	Install 8" CIPP Liner (300') and Restore Services (5) – Replace Service Line from Main to Property Line. Install Cleanout for Each Service.	Replace Service Lines and Taps Prior to CIPP.
	OPL01	5955	5960	8"	RCP	4'	ASPHALT	78, 79, 695	Install 8" CIPP Liner (331') and Restore Services (6) – Replace Service Lines from Main to Property Line. Install Cleanout for Each Service.	Replace Service Lines and Taps Prior to CIPP.
	OPL01	5960	5965	8"	RCP	5.5'	ASPHALT	78, 79, 696	Install 8" CIPP Liner (213') and Restore Services (5) – Replace Service Lines from Main to Property Line. Install Cleanout for Each Service.	Replace Service Lines and Taps Prior to CIPP.
	OPL01	5965	5970	8"	CAS	7.5'	ASPHALT	87	Root Removal and Chemical Root Treatment (266')	
	OPL01	5975	5745	8"	VCP	9'	ASPHALT	78, 79, 696	8" Pipe Burst (444') and Restore Services (14) – Replace Service Lines to Property Line. Install Cleanout for Each Service.	
	OPL01	5980	5975	8"	VCP	8.5'	ASPHALT	45, 78, 79	Repair Faulty Mainline Tap at 122' from MH5980. Replace Service Line from Main to Property Line. Install Cleanout.	
	OPL01	5985	5980	8"	VCP	6'	ASPHALT	45, 78, 80	Repair Faulty Mainline Tap at 134' from MH5985. Replace Service Line from Main to Property Line. Install Cleanout.	
	OPL01	5985	5980	8"	VCP	6'	ASPHALT	45, 78, 81	Repair Faulty Mainline Tap at 62' from MH5985. Replace Service Line from Main to Property Line. Install Cleanout.	
	OPL01	5985	5980	8"	VCP	6'	ASPHALT	45, 78, 82	Repair Faulty Mainline Tap at 301' from MH5985. Replace Service Line from Main to Property Line. Install Cleanout.	
	OPL01	5990	5985	8"	VCP	5'	CONCRETE	78, 79, 696	8" Pipe Burst (275') and Restore Services (3) – Replace Service Lines from Main to Property Line. Install Cleanout for Each Service.	
	OPL01	5995	5990	8"	VCP	4.5'	GRASS/DIRT	78, 79, 696	8" Pipe Burst (277') and Restore Services (4) – Replace Service Lines from Main to Property Line. Install Cleanout for Each Service.	

GENERAL NOTES:

1. THE MAINLINE REHABILITATION WORK SHOWN IN THE CHARTS WAS OBTAINED FROM INFORMATION OBTAINED FROM MAINLINE CCTV INSPECTIONS PERFORMED FOR THE CITY OF OPELOUSAS DURING THE PERIOD FROM MARCH 2025 – MARCH 2026.
2. THE CHARTS PROVIDE A REHAB CODE THAT REFERS TO THE REHAB DESCRIPTION OF THE WORK TO BE PERFORMED (A REHAB CODE LIST IS PROVIDED ON PLAN SHEET 3). THE WORK ORDER ISSUED WILL PROVIDE MORE DETAILED INFORMATION OUTLINING THE SPECIFIC WORK TO BE PERFORMED FOR EACH REPAIR. CONTRACTOR'S ATTENTION IS CALLED TO DIVISION 1, SECTION 01025 OF THE TECHNICAL SPECIFICATIONS FOR INFORMATION REGARDING MEASUREMENT AND PAYMENT FOR EACH BID ITEM INCLUDED IN THE BID FORM.
3. A WORK ORDER WILL BE ISSUED TO SMOKE TEST ALL LINE SEGMENTS IN MONITOR BASIN OPL01 AT THE START OF CONSTRUCTION. UPON COMPLETION OF THE SMOKE TESTING FOR EACH BASIN, CONTRACTOR TO PROVIDE ENGINEER WITH COPIES OF THE SMOKE TEST DELIVERABLES IN ACCORDANCE WITH SECTION 02957 OF THE SPECIFICATIONS.
4. UPON REVIEW AND EVALUATION OF THE SMOKE TEST RESULTS, ENGINEER WILL ISSUE A WORK ORDER FOR EACH REPAIR TO BE PERFORMED IN THE MONITOR BASIN.
5. IN MANY LOCATIONS, THE REPAIR WORK WILL BE IN EASEMENTS ON PRIVATE PROPERTY WHERE ACCESS WILL BE LIMITED OR REQUIRE SPECIAL CONSIDERATION. OWNER AND ENGINEER WILL ASSIST CONTRACTOR WITH OBTAINING ACCESS TO THE REPAIR SITE FROM THE PROPERTY OWNER.
6. IT IS ENGINEER'S INTENTION TO ISSUE WORK ORDERS FOR MAINLINE AND SERVICE LINE POINT REPAIRS AT THE SAME TIME SO THAT THE EXCAVATION WORK FOR REPAIRS IN THE SAME AREA CAN BE PERFORMED AT THE SAME GENERAL TIME. THIS WILL HELP TO MINIMIZE DISTURBANCE TO AFFECTED PROPERTY OWNERS.
7. WORK ORDERS FOR SIMILAR TYPE WORK SUCH AS MAINLINE (CIPP), PIPE BURSTING, OR MANHOLE (PLUG & WATERPROOFING) LINING MAY BE ISSUED FOR ALL BASINS AT THE SAME TIME TO ASSIST CONTRACTOR IN SCHEDULING WORK WITH SUB-CONTRACTORS PERFORMING THIS WORK. HOWEVER, DURING THE COURSE OF THE PROJECT, ADDITIONAL WORK ORDERS FOR THIS TYPE OF WORK MAY BE REQUIRED TO BE ISSUED AS DEFECTS ARE IDENTIFIED.
8. WHERE PIPE BURSTING IS CALLED FOR ON THE PLANS, AFTER THE PIPE IS INSTALLED, TESTED, AND READY FOR OPERATION, EACH SERVICE IS TO BE RESTORED AND PAID FOR UNDER THE BID ITEMS FOR MAINLINE POINT REPAIR AND REPAIR FAULTY MAINLINE TAP. SERVICE LINE INSTALLED WILL BE PAID FOR BY THE LINEAR FOOT AT THE UNIT PRICE PROVIDED IN THE BID.

SHEET NUMBER 4

MAINLINE REHABILITATION PLAN
MONITOR BASIN OPL01

SEWER COLLECTION SYSTEM REHABILITATION
CITY OF OPELOUSAS
ST. LANDRY PARISH, LOUISIANA

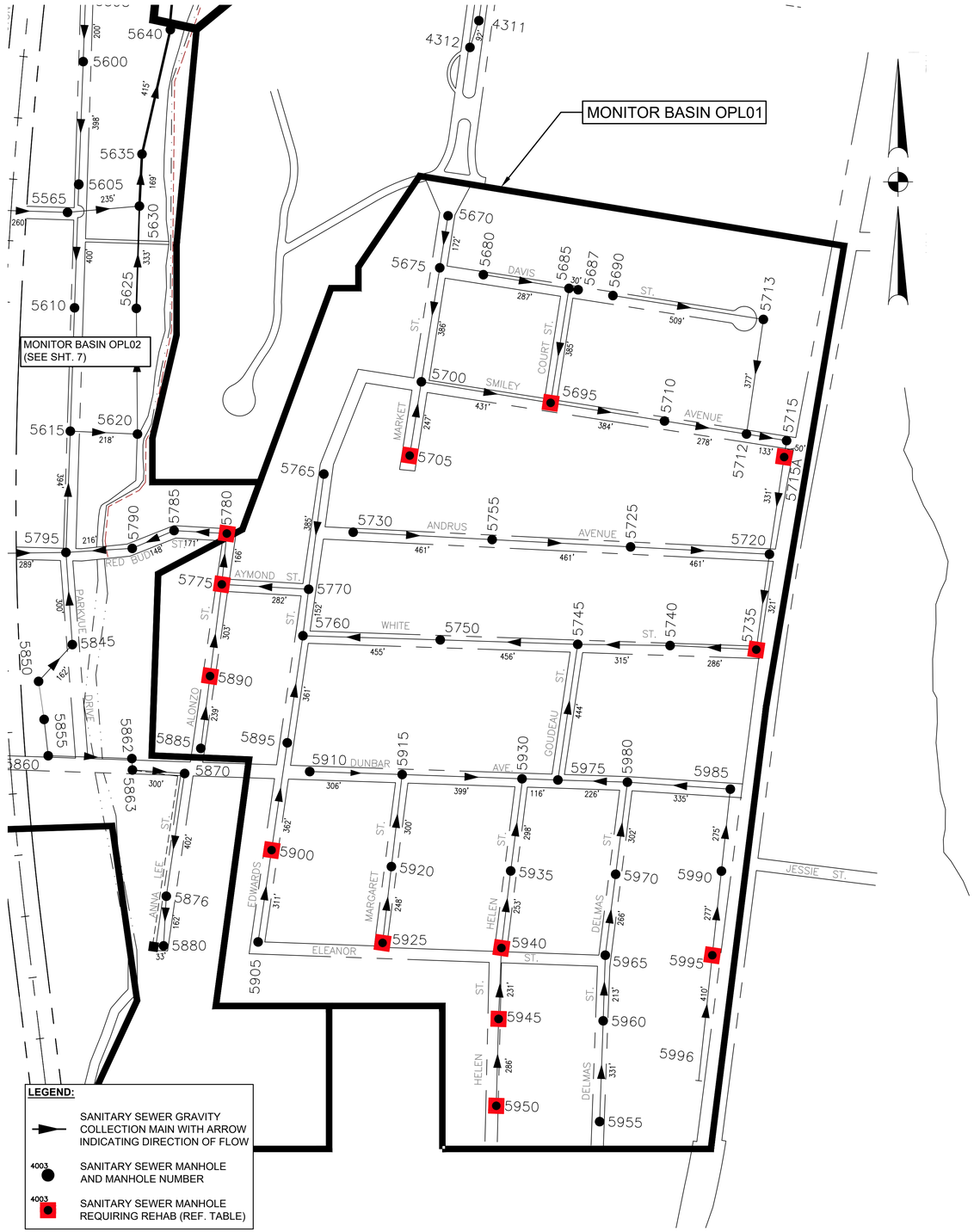
SCALE: 1" = 200'
DATE: 08-31-2026
DESIGNED BY: WHJ, III
CHECKED BY: WHJ, III
DRAWN BY: LPT

NO.	DATE	REVISION DESCRIPTION	BY

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William H. Jarrell, III
REG. No. 22819
REGISTERED PROFESSIONAL ENGINEER IN ENGINEERING
08/31/2026

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PROJECT NO.
SC#251-3



WASTEWATER COLLECTION SYSTEM
MONITOR BASINS OPL01
SCALE: 1" = 200'

MANHOLE REHABILITATION TABLE
MONITOR BASIN OPL01

WORK ORDER NO.	BASIN ID	MANHOLE NO.	DEPTH (V.F.)	LOCATED / INSPECTED	LOCATION SURFACE	REHAB CODES	REHAB DESCRIPTION	COMMENTS
	OPL01	5695	5.5'	Y/Y	ASPHALT	28, 392	Remove Manhole Steps; Plug and Waterproof Coat Entire Manhole.	Brick Manhole
	OPL01	5705	5'	Y/Y	ASPHALT	28, 392	Remove Manhole Steps; Plug and Waterproof Coat Entire Manhole.	Brick Manhole
	OPL01	5715A		N/N	GRASS/DIRT	6	Replace Manhole Frame and Cover With New Composite Frame and Cover.	See Composite Frame and Cover Detail.
	OPL01	5715A		N/N	GRASS/DIRT	36	Locate Manhole and Raise to Grade; Inspect for Additional Rehabilitation Work.	Manhole Not Located/Inspected During Prior SSES Work.
	OPL01	5735	7.6'	Y/Y	ASPHALT	2, 4	Replace Manhole Cover With New Retrofit Cover.	See Retrofit Cover Detail.
	OPL01	5775	13'	Y/Y	ASPHALT	2, 4	Replace Manhole Cover With New Retrofit Cover.	See Retrofit Cover Detail.
	OPL01	5780	12'	Y/Y	ASPHALT	28, 392	Remove Manhole Steps; Plug and Waterproof Coat Entire Manhole.	Brick Manhole
	OPL01	5890	9'	Y/Y	ASPHALT	392	Seal Cracks in Manhole Wall.	
	OPL01	5900	6.3'	Y/Y	ASPHALT	2, 4	Replace Manhole Cover With New Retrofit Cover.	See Retrofit Cover Detail.
	OPL01	5925	4.1'	Y/Y	ASPHALT	2, 4	Replace Manhole Cover With New Retrofit Cover.	See Retrofit Cover Detail.
	OPL01	5940	4.1'	Y/Y	ASPHALT	2, 4	Replace Manhole Cover With New Retrofit Cover.	See Retrofit Cover Detail.
	OPL01	5945		N/N		36	Locate Manhole and Raise to Grade; Inspect for Additional Rehabilitation Work.	Manhole Not Located/Inspected During Prior SSES Work.
	OPL01	5950	4.1'	Y/Y	ASPHALT	2, 4	Replace Manhole Cover With New Retrofit Cover.	See Retrofit Cover Detail.
	OPL01	5995	4.5'	Y/Y	GRASS/DIRT	28, 392	Remove Manhole Steps; Plug and Waterproof Coat Entire Manhole.	Brick Manhole

GENERAL NOTES:

1. THE MANHOLE REHABILITATION WORK SHOWN IN THE CHARTS WAS OBTAINED FROM INFORMATION OBTAINED FROM MANHOLE INSPECTIONS PERFORMED FOR THE CITY OF OPELOUSAS DURING THE PERIOD FROM MARCH 2025 – MARCH 2026.
2. THE CHARTS PROVIDE A REHAB CODE THAT REFERS TO THE REHAB DESCRIPTION OF THE WORK TO BE PERFORMED (A REHAB CODE LIST IS PROVIDED ON PLAN SHEET 3). THE WORK ORDER ISSUED WILL PROVIDE MORE DETAILED INFORMATION OUTLINING THE SPECIFIC WORK TO BE PERFORMED FOR EACH REPAIR. CONTRACTOR'S ATTENTION IS CALLED TO DIVISION 1, SECTION 01025 OF THE TECHNICAL SPECIFICATIONS FOR INFORMATION REGARDING MEASUREMENT AND PAYMENT FOR EACH BID ITEM INCLUDED IN THE BID FORM.
3. IN SOME LOCATIONS, THE MANHOLE WAS UNABLE TO BE LOCATED AND INSPECTED BY THE ENGINEER. IN THESE CASES, THE ENGINEER WILL ISSUE A WORK ORDER TO TV THE MAINLINE TO GET A MEASUREMENT TO THE UNLOCATED MANHOLE. OTHER METHODS OF LOCATING THE MANHOLE SUCH AS SMOKE TESTING MAY ALSO BE UTILIZED. ATTEMPTS WILL BE MADE BY THE CONTRACTOR IN COORDINATION WITH THE ENGINEER'S REPRESENTATIVE TO LOCATE AND OPEN THE MANHOLE TO ALLOW FOR THE ENGINEER'S REPRESENTATIVE TO INSPECT THE MANHOLE FOR DEFECTS. AFTER INSPECTION OF THE MANHOLE BY ENGINEER'S REPRESENTATIVE, IF DEFECTS ARE IDENTIFIED, CONTRACTOR WILL BE ISSUED A WORK ORDER TO MAKE NECESSARY REPAIRS TO THE MANHOLE.
4. IN MANY LOCATIONS, THE MANHOLE WILL BE IN EASEMENTS ON PRIVATE PROPERTY WHERE ACCESS WILL BE LIMITED OR REQUIRE SPECIAL CONSIDERATION. OWNER AND ENGINEER WILL ASSIST CONTRACTOR WITH OBTAINING ACCESS TO THE REPAIR SITE FROM THE PROPERTY OWNER.
5. WORK ORDERS FOR SIMILAR TYPE WORK SUCH AS MANHOLE LINING (PLUG & WATERPROOFING) MAY BE ISSUED FOR ALL BASINS AT THE SAME TIME TO ASSIST CONTRACTOR IN SCHEDULING WORK WITH SUB-CONTRACTORS PERFORMING THIS WORK. HOWEVER, DURING THE COURSE OF THE PROJECT, ADDITIONAL WORK ORDERS FOR THIS TYPE OF WORK MAY BE REQUIRED TO BE ISSUED AS DEFECTS ARE IDENTIFIED.

SHEET NUMBER 5

MANHOLE REHABILITATION PLAN
MONITOR BASIN OPL01

SEWER COLLECTION SYSTEM REHABILITATION
CITY OF OPELOUSAS
ST. LANDRY PARISH, LOUISIANA

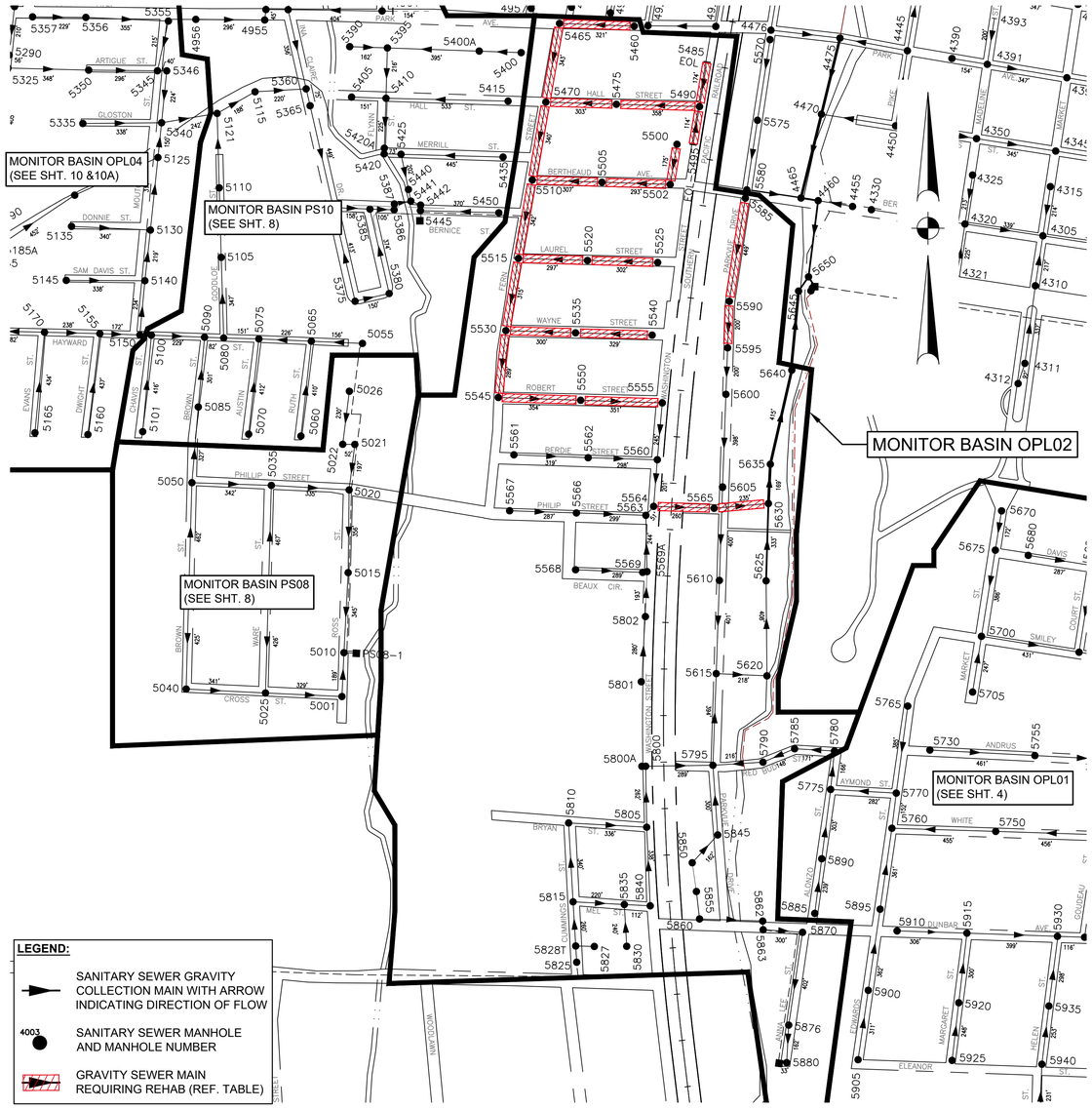
SCALE: 1" = 200'
DATE: 08-31-2026
DESIGNED BY: WHJ, III
CHECKED BY: WHJ, III
DRAWN BY: LPT

NO.	DATE	REVISION DESCRIPTION	BY

STATE OF LOUISIANA
William H. Jarrell, III
REG. No. 22819
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEER
08/31/2026

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MGA

PROJECT NO.
SC#251-3



WASTEWATER COLLECTION SYSTEM
MONITOR BASINS OPL02
SCALE: 1" = 300'

GENERAL NOTES:

1. THE MAINLINE REHABILITATION WORK SHOWN IN THE CHARTS WAS OBTAINED FROM INFORMATION OBTAINED FROM MAINLINE CCTV INSPECTIONS PERFORMED FOR THE CITY OF OPELOUSAS DURING THE PERIOD FROM MARCH 2025 – MARCH 2026.
2. THE CHARTS PROVIDE A REHAB CODE THAT REFERS TO THE REHAB DESCRIPTION OF THE WORK TO BE PERFORMED (A REHAB CODE LIST IS PROVIDED ON PLAN SHEET 3). THE WORK ORDER ISSUED WILL PROVIDE MORE DETAILED INFORMATION OUTLINING THE SPECIFIC WORK TO BE PERFORMED FOR EACH REPAIR. CONTRACTOR'S ATTENTION IS CALLED TO DIVISION 1, SECTION 01025 OF THE TECHNICAL SPECIFICATIONS FOR INFORMATION REGARDING MEASUREMENT AND PAYMENT FOR EACH BID ITEM INCLUDED IN THE BID FORM.
3. A WORK ORDER WILL BE ISSUED TO SMOKE TEST ALL LINE SEGMENTS IN MONITOR BASIN OPL02 FOLLOWING COMPLETION OF MONITOR BASIN OPL01. UPON COMPLETION OF THE SMOKE TESTING FOR EACH BASIN, CONTRACTOR TO PROVIDE ENGINEER WITH COPIES OF THE SMOKE TEST DELIVERABLES IN ACCORDANCE WITH SECTION 02957 OF THE SPECIFICATIONS.
4. UPON REVIEW AND EVALUATION OF THE SMOKE TEST RESULTS, ENGINEER WILL ISSUE A WORK ORDER FOR EACH REPAIR TO BE PERFORMED IN THE MONITOR BASIN.
5. IN MANY LOCATIONS, THE REPAIR WORK WILL BE IN EASEMENTS ON PRIVATE PROPERTY WHERE ACCESS WILL BE LIMITED OR REQUIRE SPECIAL CONSIDERATION. OWNER AND ENGINEER WILL ASSIST CONTRACTOR WITH OBTAINING ACCESS TO THE REPAIR SITE FROM THE PROPERTY OWNER.
6. IT IS ENGINEER'S INTENTION TO ISSUE WORK ORDERS FOR MAINLINE AND SERVICE LINE POINT REPAIRS AT THE SAME TIME SO THAT THE EXCAVATION WORK FOR REPAIRS IN THE SAME AREA CAN BE PERFORMED AT THE SAME GENERAL TIME. THIS WILL HELP TO MINIMIZE DISTURBANCE TO AFFECTED PROPERTY OWNERS.
7. WORK ORDERS FOR SIMILAR TYPE WORK SUCH AS MAINLINE (CIPP), PIPE BURSTING, OR MANHOLE (PLUG & WATERPROOFING) LINING MAY BE ISSUED FOR ALL BASINS AT THE SAME TIME TO ASSIST CONTRACTOR IN SCHEDULING WORK WITH SUB-CONTRACTORS PERFORMING THIS WORK. HOWEVER, DURING THE COURSE OF THE PROJECT, ADDITIONAL WORK ORDERS FOR THIS TYPE OF WORK MAY BE REQUIRED TO BE ISSUED AS DEFECTS ARE IDENTIFIED.
8. WHERE PIPE BURSTING IS CALLED FOR ON THE PLANS, AFTER THE PIPE IS INSTALLED, TESTED, AND READY FOR OPERATION, EACH SERVICE IS TO BE RESTORED AND PAID FOR UNDER THE BID ITEMS FOR MAINLINE POINT REPAIR AND REPAIR FAULTY MAINLINE TAP. SERVICE LINE INSTALLED WILL BE PAID FOR BY THE LINEAR FOOT AT THE UNIT PRICE PROVIDED IN THE BID.

WASTEWATER COLLECTION SYSTEM REHABILITATION
MONITOR BASIN OPL02

WORK ORDER NO.	MONITOR BASIN	UP MH	DN MH	PIPE SIZE	PIPE TYPE	APPROX. DEPTH	SURFACE	REHAB. CODE	DESCRIPTION	COMMENTS
	OPL02	5460	5465	8"	RCP	4'	ASPHALT	45, 78, 79	Repair Faulty Mainline Taps (6 Total) – Replace Service Lines from Main to Property Line and Install Cleanouts for Each.	Defective Service Taps at 74', 136', 168', 181', 238', and 250' from MH5460.
	OPL02	5460	5465	8"	RCP	4'	ASPHALT	693	Install 8" CIPP Liner (321') and Restore Services (6 Total)	
	OPL02	5465	5470	8"	RCP	4.5'	ASPHALT	87	Root Removal and Chemical Root Treatment (342')	
	OPL02	5465	5470	8"	RCP	4.5'	ASPHALT	45, 78, 79	Repair Faulty Mainline Taps at 293' and 312' from MH5465 and Replace Service Lines from Main to Property Line. Install Cleanouts for Each.	
	OPL02	5465	5470	8"	RCP	4.5'	ASPHALT	693	Install 8" CIPP Liner (342') and Restore Services (2 Total)	Replace Service Lines and Taps Prior to CIPP.
	OPL02	5470	5510	8"	RCP	6'	ASPHALT	45, 78, 79	Repair Faulty Mainline Taps (9 Total) – Replace Service Lines from Main to Property Line and Install Cleanouts for Each.	Defective Service Taps at 31', 53', 80', 85', 139', 188', 190', 272', and 287' from MH5470.
	OPL02	5470	5510	8"	RCP	6'	ASPHALT	693	Install 8" CIPP Liner (338') and Restore Services (9 Total)	Replace Service Lines and Taps Prior to CIPP.
	OPL02	5475	5470	8"	RCP	5'	ASPHALT	45, 78, 79	Repair Faulty Mainline Taps (6 Total) – Replace Service Lines from Main to Property Line and Install Cleanouts for Each.	Defective Service Taps at 47' (2), 83', 86', 175', and 193' from MH5475.
	OPL02	5475	5470	8"	RCP	5'	ASPHALT	693	Install 8" CIPP Liner (303') and Restore Services (6 Total).	Replace Service Lines and Taps Prior to CIPP.
	OPL02	5485	5490	8"	RCP	5'	ASPHALT	692	Install New Manhole at EOL 5485 and Tie-In Service to 5485.	End of Mainline Segment
	OPL02	5485	5490	8"	RCP	5'	ASPHALT	693	Install 8" CIPP Liner (113')	
	OPL02	5490	5475	8"	RCP	5'	ASPHALT	45, 78, 79	Repair Faulty Mainline Taps (8 Total) – Replace Service Lines from Main to Property Line and Install Cleanouts for Each.	Defective Service Taps at 42', 45', 208', 263', 269', 310', 344', and 351' from MH5490.
	OPL02	5490	5475	8"	RCP	5'	ASPHALT	693	Install 8" CIPP Liner (357') and Restore Services (8 Total).	Replace Service Lines and Taps Prior to CIPP.
	OPL02	5495	5490	8"	RCP	5'	ASPHALT	692	Install New Manhole at EOL 5495 and Tie-In Service to MH5495	
	OPL02	5495	5490	8"	RCP	5'	ASPHALT	693	Install 8" CIPP Liner (114')	
	OPL02	5500	5502	8"	RCP	5.5'	GRASS/DIRT	43, 85	8" Point Repair @ 72' from MH5502. Complete CCTV Inspection of Line Segment After Repair.	
	OPL02	5500	5502	8"	RCP	5.5'	GRASS/DIRT	693	Install 8" CIPP Liner (175' Estimated) and Restore Services if Needed.	Confirm Length and Number of Services With CCTV Inspection and Repair Faulty Taps Prior to CIPP Liner.
	OPL02	5502	5505	8"	RCP	5'	ASPHALT	45, 78, 79	Repair Faulty Mainline Taps (7 Total) – Replace Service Lines from Main to Property Line and Install Cleanouts for Each.	Defective Service Taps at 12', 103', 115', 148', 205', 253', and 299' from MH5502.
	OPL02	5502	5505	8"	RCP	5'	ASPHALT	693	Install 8" CIPP Liner (293') and Restore Services (7 Total).	Replace Service Lines and Taps Prior to CIPP.
	OPL02	5505	5510	8"	RCP	6.5'	ASPHALT	45, 78, 79	Repair Faulty Mainline Taps (5 Total) – Replace Service Lines from Main to Property Line and Install Cleanouts for Each.	Defective Service Taps at 56' and 100' from MH5505 and Defective Service Taps at 69', 130', and 190' from MH5510.
	OPL02	5505	5510	8"	RCP	6.5'	ASPHALT	693	Install 8" CIPP Liner (299') and Restore Services (5 Total).	Replace Service Lines and Taps Prior to CIPP.
	OPL02	5510	5515	8"	RCP	8'	ASPHALT	43	8" Point Repair @ 112' from MH 5510	
	OPL02	5510	5515	8"	CIPP/RCP	8'	ASPHALT	45, 78, 79	Repair Faulty Mainline Taps (11 Total) – Replace Service Lines from Main to Property Line and Install Cleanouts for Each.	Defective Service Taps at 12', 68', 112', 141', 153', 209', 216', 261', 286', 312', and 326' from MH5510.
	OPL02	5515	5530	8"	CIPP/RCP	9'	ASPHALT	45, 78, 79	Repair Faulty Mainline Taps (4 Total) – Replace Service Lines from Main to Property Line and Install Cleanouts for Each.	Defective Service Taps at 39', 102', 130', and 282' from MH5515.
	OPL02	5515	5530	8"	CIPP/RCP	9'	ASPHALT	79	Remove and Replace Service Line from Main to Property Line and Install Cleanout. (52' from MH5515)	PVC Service Tap at 52' from MH5515 to Remain.
	OPL02	5520	5515	8"	RCP	7.5'	ASPHALT	45, 78, 79	Repair Faulty Mainline Taps (9 Total) – Replace Service Lines from Main to Property Line and Install Cleanouts for Each.	Defective Service Taps at 22', 46', 80', 92', 98', 141', 150', 221', and 293' from MH5520.
	OPL02	5520	5515	8"	RCP	7.5'	ASPHALT	693	Install 8" CIPP Liner (295') and Restore Services (9 Total).	Replace Service Lines and Taps Prior to CIPP.
	OPL02	5525	5520	8"	CONCRETE	5.5'	ASPHALT	45, 78, 79	Repair Faulty Mainline Taps (12 Total) – Replace Service Lines from Main to Property Line and Install Cleanouts for Each.	Defective Service Taps at 7', 25', 44', 80', 87', 132', 179', 184', 220', 255', 286', and 294' from MH5520
	OPL02	5525	5520	8"	CONCRETE	5.5'	ASPHALT	693	Install 8" CIPP Liner (303') and Restore Services (12 Total).	Replace Service Lines and Taps Prior to CIPP.
	OPL02	5530	5545	8"	CIPP/RCP	8'	ASPHALT	45, 78, 79	Repair Faulty Taps at 189' and 215' from MH5530 – Replace Service Lines from Main to Property Line and Install Cleanouts.	Concrete Pipe Was Previously Lined (CIPP).
	OPL02	5535	5530	8"	RCP	6.5'	ASPHALT	45, 85	Repair Faulty Mainline Taps at 38' and 54' from MH5535 and 58' and 63' from MH5530.	CCTV Inspect Mainline After Repairs.
	OPL02	5535	5530	8"	RCP	6.5'	ASPHALT	693	Install 8" CIPP Liner (301') and Restore Services.	
	OPL02	5540	5535	8"	RCP	5'	ASPHALT	45, 78, 79	Repair Faulty Mainline Taps (13 Total) – Replace Service Lines from Main to Property Line and Install Cleanouts for Each.	Defective Service Taps at 12', 21', 23', 56' (Suspected Water Leak), 126', 138', 150', 183', 246', 249', and 277' from MH5540. And 10' and 40' from MH5535.
	OPL02	5540	5535	8"	RCP	5'	ASPHALT	43	8" Point Repair at 282' from MH5540.	Offset Joint
	OPL02	5540	5535	8"	RCP	5'	ASPHALT	693	Install 8" CIPP Liner (329') and Restore Services (13 Total).	Replace Service Lines and Taps Prior to CIPP.
	OPL02	5545	5550	8"	RCP	9'	ASPHALT	87	Root Removal and Chemical Root Treatment (354')	
	OPL02	5545	5550	8"	RCP	9'	ASPHALT	43, 78, 79	Repair Faulty Mainline Taps (6 Total) – Replace Tap and Service Line from Main to Property Line and Install Cleanout.	Defective Service Taps at 65', 127', 193', and 246' from MH5545. And 33', and 99' from MH5550.
	OPL02	5545	5550	8"	RCP	9'	ASPHALT	693	Install 8" CIPP Liner (354') and Restore Services (6 Total).	Replace Service Lines and Taps Prior to CIPP.
	OPL02	5550	5555	8"	CIPP/RCP	12'	ASPHALT	45, 78, 79	Repair Faulty Mainline Taps (5 Total) – Replace Service Lines from Main to Property Line and Install Cleanouts for Each.	Defective Service Taps at 32', 98', 162', 228' and 292' from MH5550.
	OPL02	5550	5555	8"	CIPP/RCP	12'	ASPHALT	693	Install 8" CIPP Liner (348') and Restore Services (5 Total).	Replace Service Lines and Taps Prior to CIPP.
	OPL02	5564	5565	8"	RCP/C.I.	14'	GRASS/DIRT	696	8" Pipe Burst (265') and Restore Service at 76' from MH5565	
	OPL02	5565	5630	8"	CIPP	13'	GRASS/DIRT	43, 85	8" Point Repair at 210' from MH5565; Complete CCTV Inspection After Repair is Made.	Heavy Grease Deposits Blocking Flow.
	OPL02	5585	5590	8"	C.I.	5.5'	ASPHALT	45, 78, 79	Repair Faulty Mainline Taps (11 Total) – Replace Service Lines from Main to Property Line and Install Cleanouts for Each.	Defective Service Taps at 6', 49', 55', 118', 122', 171' 222', 280', 350', 359', and 423' from MH5585.
	OPL02	5585	5590	8"	CAS	5.5'	ASPHALT	693	Install 8" CIPP Liner (453') and Restore Services (11 Total).	Replace Service Lines and Taps Prior to CIPP.
	OPL02	5590	5595	8"	VCP	5'	ASPHALT	45, 78, 79	Repair Faulty Mainline Taps (3 Total) – Replace Sevice Lines from Main to Property Line and Install Cleanouts for Each.	Defective Service Taps at 62', 102', and 178' from MH5590.

SHEET NUMBER 6

MAINLINE REHABILITATION PLAN
MONITOR BASIN OPL02

SEWER COLLECTION SYSTEM REHABILITATION
CITY OF OPELOUSAS
ST. LANDRY PARISH, LOUISIANA

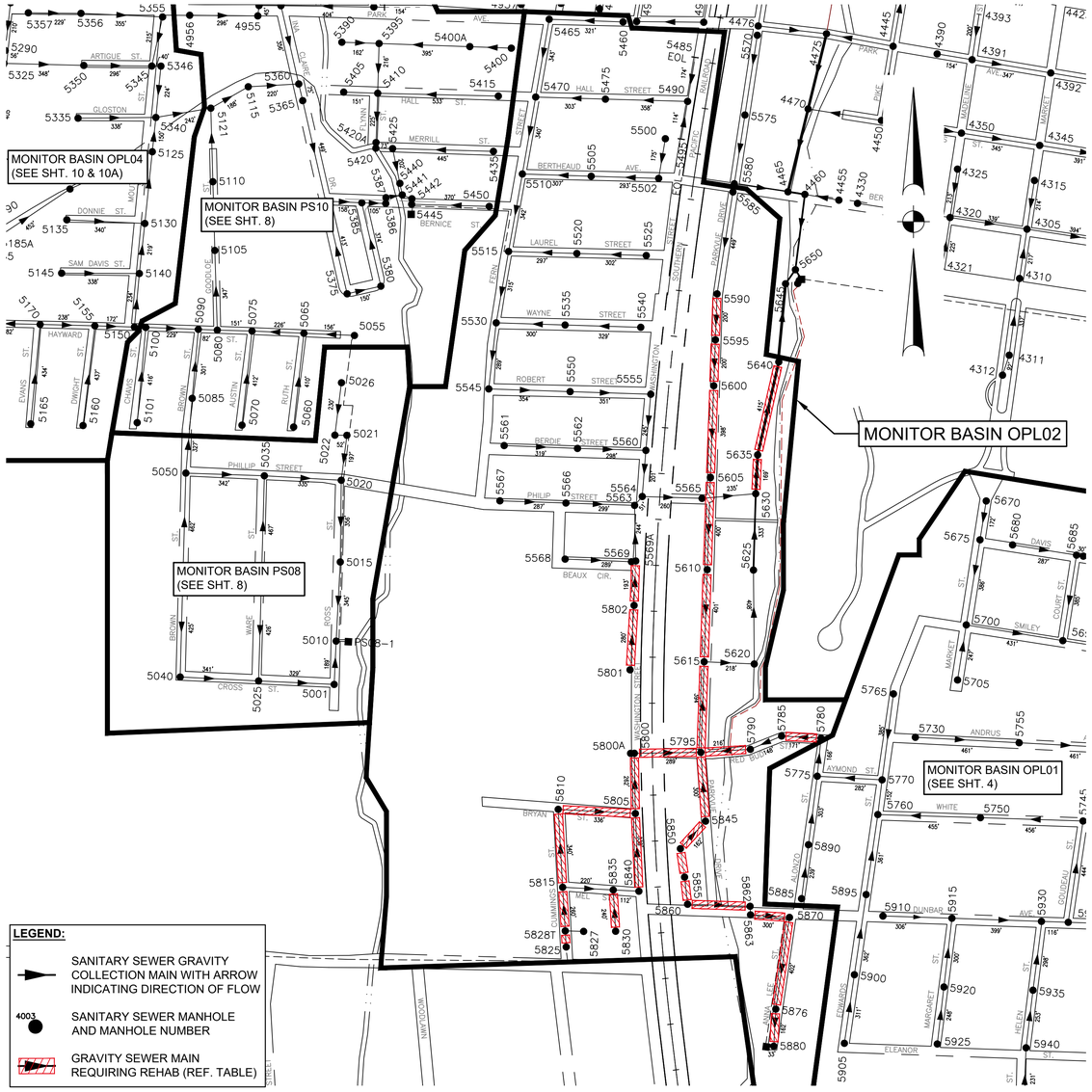
SCALE: 1" = 300'
DATE: 08-31-2026
DESIGNED BY: WHJ, III
CHECKED BY: WHJ, III
DRAWN BY: LPT

NO.	DATE	REVISION DESCRIPTION	BY

STATE OF LOUISIANA
William H. Jarrell, III
REG. No. 22819
REGISTERED PROFESSIONAL ENGINEER IN ENGINEERING
08/31/2026

Morgan Goudeau & Associates
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Phone: 337-948-4222 www.morgangoudeau.com

PROJECT NO.
SC#251-3



WASTEWATER COLLECTION SYSTEM
MONITOR BASINS OPL02

SCALE: 1" = 300'

GENERAL NOTES:

1. THE MAINLINE REHABILITATION WORK SHOWN IN THE CHARTS WAS OBTAINED FROM INFORMATION OBTAINED FROM MAINLINE CCTV INSPECTIONS PERFORMED FOR THE CITY OF OPELOUSAS DURING THE PERIOD FROM MARCH 2025 – MARCH 2026.
2. THE CHARTS PROVIDE A REHAB CODE THAT REFERS TO THE REHAB DESCRIPTION OF THE WORK TO BE PERFORMED (A REHAB CODE LIST IS PROVIDED ON PLAN SHEET 3). THE WORK ORDER ISSUED WILL PROVIDE MORE DETAILED INFORMATION OUTLINING THE SPECIFIC WORK TO BE PERFORMED FOR EACH REPAIR. CONTRACTOR'S ATTENTION IS CALLED TO DIVISION 1, SECTION 01025 OF THE TECHNICAL SPECIFICATIONS FOR INFORMATION REGARDING MEASUREMENT AND PAYMENT FOR EACH BID ITEM INCLUDED IN THE BID FORM.
3. A WORK ORDER WILL BE ISSUED TO SMOKE TEST ALL LINE SEGMENTS IN MONITOR BASIN OPL02 FOLLOWING COMPLETION OF OPL01. UPON COMPLETION OF THE SMOKE TESTING FOR EACH BASIN, CONTRACTOR TO PROVIDE ENGINEER WITH COPIES OF THE SMOKE TEST DELIVERABLES IN ACCORDANCE WITH SECTION 02957 OF THE SPECIFICATIONS.
4. UPON REVIEW AND EVALUATION OF THE SMOKE TEST RESULTS, ENGINEER WILL ISSUE A WORK ORDER FOR EACH REPAIR TO BE PERFORMED IN THE MONITOR BASIN.
5. IN MANY LOCATIONS, THE REPAIR WORK WILL BE IN EASEMENTS ON PRIVATE PROPERTY WHERE ACCESS WILL BE LIMITED OR REQUIRE SPECIAL CONSIDERATION. OWNER AND ENGINEER WILL ASSIST CONTRACTOR WITH OBTAINING ACCESS TO THE REPAIR SITE FROM THE PROPERTY OWNER.
6. IT IS ENGINEER'S INTENTION TO ISSUE WORK ORDERS FOR MAINLINE AND SERVICE LINE POINT REPAIRS AT THE SAME TIME SO THAT THE EXCAVATION WORK FOR REPAIRS IN THE SAME AREA CAN BE PERFORMED AT THE SAME GENERAL TIME. THIS WILL HELP TO MINIMIZE DISTURBANCE TO AFFECTED PROPERTY OWNERS.
7. WORK ORDERS FOR SIMILAR TYPE WORK SUCH AS MAINLINE (CIPP), PIPE BURSTING, OR MANHOLE (PLUG & WATERPROOFING) LINING MAY BE ISSUED FOR ALL BASINS AT THE SAME TIME TO ASSIST CONTRACTOR IN SCHEDULING WORK WITH SUB-CONTRACTORS PERFORMING THIS WORK. HOWEVER, DURING THE COURSE OF THE PROJECT, ADDITIONAL WORK ORDERS FOR THIS TYPE OF WORK MAY BE REQUIRED TO BE ISSUED AS DEFECTS ARE IDENTIFIED.
8. WHERE PIPE BURSTING IS CALLED FOR ON THE PLANS, AFTER THE PIPE IS INSTALLED, TESTED, AND READY FOR OPERATION, EACH SERVICE IS TO BE RESTORED AND PAID FOR UNDER THE BID ITEMS FOR MAINLINE POINT REPAIR AND REPAIR FAULTY MAINLINE TAP. SERVICE LINE INSTALLED WILL BE PAID FOR BY THE LINEAR FOOT AT THE UNIT PRICE PROVIDED IN THE BID.

WASTEWATER COLLECTION SYSTEM REHABILITATION
MONITOR BASIN OPL02

WORK ORDER NO.	MONITOR BASIN	UP MH	DN MH	PIPE SIZE	PIPE TYPE	APPROX. DEPTH	SURFACE	REHAB. CODE	DESCRIPTION	COMMENTS
	OPL02	5590	5595	8"	VCP	5'	ASPHALT	693	Install 8" CIPP Liner (200') and Restore Services (3 Total).	Replace Service Lines and Taps Prior to CIPP.
	OPL02	5595	5600	8"	VCP	5.5'	ASPHALT	45, 78, 79	Repair Faulty Mainline Taps (3 Total) – Replace Sevice Lines from Main to Property Line and Install Cleanouts for Each.	Defective Service Taps at 26', 75', and 123' from MH5595.
	OPL02	5595	5600	8"	VCP	5.5'	ASPHALT	693	Install 8" CIPP Liner (200') and Restore Services (4 Total).	Replace Service Lines and Taps Prior to CIPP.
	OPL02	5600	5605	8"	VCP	8'	ASPHALT	45, 78, 79	Repair Faulty Mainline Taps (7 Total) – Replace Service Lines from Main to Property Line and Install Cleanouts for Each.	Defective Service Taps at 26', 74', 122', 177', 226', 274', and 371' from MH5600.
	OPL02	5600	5605	8"	VCP	8'	ASPHALT	693	Install 8" CIPP Liner (402') and Restore Services (7 Total).	Replace Service Lines and Taps Prior to CIPP.
	OPL02	5605	5610	8"	VCP	7'	ASPHALT	45, 78, 79	Repair Faulty Mainline Taps (7 Total) – Replace Service Lines from Main to Property Line and Install Cleanouts for Each.	Defective Service Taps at 22', 70', 125', 179', 227', 288', and 379' from MH5605.
	OPL02	5605	5610	8"	VCP	7'	ASPHALT	693	Install 8" CIPP Liner (401') and Restore Services (7 Total).	Replace Service Lines and Taps Prior to CIPP.
	OPL02	5610	5615	8"	VCP	9'	ASPHALT	43	8" Point Repair at 180' to 198' from MH5610.	
	OPL02	5610	5615	8"	VCP	9'	ASPHALT	45, 78, 79	Repair Faulty Mainline Taps (9 Total) – Replace Service Lines from Main to Property Line and Install Cleanouts for Each.	Defective Service Taps at 29', 85', 134', 183', 232', 286', 335', 394', and 402' from MH5610.
	OPL02	5610	5615	8"	VCP	9'	ASPHALT	693	Install 8" CIPP Liner (404') and Restore Servcies (9).	Replace Service Lines and Taps Prior to CIPP.
	OPL02	5630	5635					85	Locate Manholes and CCTV Inspect Mainline Segment.	Mainline Segment Not Inspected During Prior SSES Work – CNL Manhole(s) – Access Issue.
	OPL02	5635	5640					85	Locate Manholes and CCTV Inspect Mainline Segment.	Mainline Segment Not Inspected During Prior SSES Work – CNL Manhole(s) – Access Issue.
	OPL02	5780	5785	10"	VCP	13'	GRAVEL	45, 78, 79	Repair Faulty Mainline Taps (6 Total) – Replace Service Lines from Main to Property Line and Install Cleanouts for Each.	Defective Service Taps at 14', 17', 50', 90', 107', and 149' from MH5780. Investigate to Determine if Some Taps Need to be Abandoned. (More Taps Than Houses)
	OPL02	5780	5785	10"	VCP	13'	GRAVEL	693	Install 10" CIPP Liner (173') and Restore Services (6 Total).	Replace Service Lines and Taps Prior to CIPP.
	OPL02	5790	5795	10"	VCP	7'	GRASS/DIRT	696	10" Pipe Burst (216') and Restore Services (2 Total)	
	OPL02	5795	5615	12"	VCP	9'	ASPHALT	87	Root Removal and Chemical Root Treatment (393').	
	OPL02	5795	5615	12"	VCP	9'	ASPHALT	45, 78, 79	Repair Faulty Mainline Taps (10 Total) – Replace Service Lines from Main to Property Line and Install Cleanouts for Each.	Defective Service Taps at 39', 127', 130', 176', 178', 224', 227', 278', 327', and 378' from MH5795.
	OPL02	5795	5615	12"	VCP	9'	ASPHALT	693	Install 12" CIPP Liner (393') and Restore Services (10 Total).	Replace Service Lines and Taps Prior to CIPP.
	OPL02	5800	5795	8"	VCP	9.5'	GRASS/DIRT	43	8" Point Repair at 130' – 136' from MH 5800	
	OPL02	5800	5795	8"	VCP	9.5'	GRASS/DIRT	84	Dye Flood at Ditch on Washington Street	Suspected I/I
	OPL02	5801	5802					85	Locate Manholes and CCTV Inspect Mainline Segment.	Mainline Segment Not Inspected During Prior SSES Work – CNL Manhole(s).
	OPL02	5802	5569					85	Locate Manholes and CCTV Inspect Mainline Segment.	Mainline Segment Not Inspected During Prior SSES Work – CNL Manhole(s).
	OPL02	5805	5800	8"	VCP	10'	GRASS/DIRT	84	Dye Flood Ditch Adjacent to MH5805 and MH5800	Suspected I/I
	OPL02	5805	5800	8"	VCP	10'	GRASS/DIRT	84	Dye Flood Ditch Over Service Located at 82.5' from MH5800.	Suspected I/I
	OPL02	5810	5805	8"	VCP	6'	GRAVEL	45, 78, 79	Repair Faluty Mainline Taps (5 Total) – Replace Service Lines from Main to Property Line and Install Cleanouts for Each.	Defecitve Service Taps at 75', 108', 111', 143', and 205' from MH5810.
	OPL02	5810	5805	8"	VCP	6'	GRAVEL	693	Install 8" CIPP Liner (336') and Restore Services (5 Total).	Replace Service Lines and Taps Prior to CIPP.
	OPL02	5815	5810	8"	VCP	6'	GRAVEL	45, 78, 79	Repair Faulty Mainline Taps (7 Total) – Replace Service Lines from Main to Property Line and Install Cleanouts for Each.	Defective Service Taps at 43', 78', 95', 106', 117', 160', and 161' from MH5815.
	OPL02	5815	5810	8"	VCP	6'	GRAVEL	43, 85	8" Point Repair @ 220' from MH 5815. Complete CCTV Inspection of Segment After Repair.	
	OPL02	5815	5810	8"	VCP	6'	GRAVEL	693	Install 8" CIPP Liner (345') and Restore Services (7 Total).	Replace Service Lines and Taps Prior to CIPP.
	OPL02	5825	5828T	8"	VCP	4.5'	GRAVEL	45	Repair Faulty Mainline Tap at 69' from MH5825.	
	OPL02	5825	5828T	8"	VCP	4.5'	GRAVEL	693	Install 8" CIPP Liner (74') and Restore Service.	
	OPL02	5830	5835	8"	VCP	6'	GRASS/DIRT	45, 78	Repair Faulty Mainline Taps (3 Total) – Replace Sevice Lines	Defective Service Taps at 95', 101', and 208' from MH5830.
	OPL02	5830	5835	8"	VCP	6'	GRASS/DIRT	693	Install 8" CIPP Liner (240') and Restore Services (3 Total).	Replace Service Lines and Taps Prior to CIPP.
	OPL02	5840	5805	8"	VCP	5'	EDGE OF ROADWAY	45, 78, 79	Repair Faulty Mainline Taps (4 Total) – Replace Service Lines from Main to Property Line and Install Cleanouts for Each.	Defective Service Taps at 85', 132', 194', and 296' from MH5840.
	OPL02	5840	5805	8"	VCP	5'	EDGE OF ROADWAY	693	Install 8" CIPP Liner (337') and Restore Services (4 Total).	Replace Service Lines and Taps Prior to CIPP.
	OPL02	5845	5795	8"	VCP	6'	ASPHALT	45, 78, 79	Repair Faulty Mainline Taps (7 Total) – Replace Service Lines from Main to Property Line and Install Cleanouts for Each.	Defective Service Tap at 14', 48', 89', 121', 140', 233', and 248' from MH5845.
	OPL02	5845	5795	8"	VCP	6'	ASPHALT	693	Install 8" CIPP Liner (300') and Restore Services (7 Total).	Replace Service Lines and Taps Prior to CIPP.
	OPL02	5850	5845	8"	VCP	4.5'	GRASS/DIRT	45, 78, 79	Repair Faulty Mainline Taps at 42'and 137' from MH5850 and Replace Service Line (10' Minimum).	Offset/Broken Service
	OPL02	5850	5845	8"	VCP	4.5'	GRASS/DIRT	693	Install 8" CIPP Liner (163') and Restore Services (2 Total).	Replace Service Lines and Taps Prior to CIPP.
	OPL02	5850	5855					85	Locate Manholes and CCTV Inspect Mainline Segment.	Mainline Segment Not Inspected During Prior SSES Work – CNL Manhole(s). Located in Easement Behind Houses.
	OPL02	5855	5860					85	Locate Manholes and CCTV Inspect Mainline Segment.	Mainline Segment Not Inspected During Prior SSES Work – CNL Manhole(s). Located in Easement Behind Houses.
	OPL02	5860	5862					85	Locate Manholes and CCTV Inspect Mainline Segment.	Mainline Segment Not Inspected During Prior SSES Work – CNL Manhole(s). Located in Easement Behind Houses.
	OPL02	5863	5870	6"	VCP	7'	GRASS/DIRT	45	Repair Faulty Mainline Tap at 115' from MH5870	
	OPL02	5863	5870	6"	VCP	7'	GRASS/DIRT	693	Install 8" CIPP Liner (169') and Restore Service.	
	OPL02	5870	5876	8"	VCP	7.5'	ASPHALT	45, 78, 79	Repair Faulty Mainline Taps (9 Total) – Replace Service Lines from Main to Property Line and Install Cleanouts for Each.	Defective Service Taps at 61', 127', 156', 224', 303', 306', 308', 386', and 393' from MH5870.
	OPL02	5870	5876	8"	VCP	7.5'	ASPHALT	693	Install 8" CIPP Liner (402') and Restore Services (9 Total).	Replace Service Lines and Taps Prior to CIPP.
	OPL02	5876	5880	8"	VCP	8'	ASPHALT	45, 78, 79	Repair Faulty Mainline Taps (3 Total) – Replace Service Lines from Main to Property Line and Install Cleanouts for Each.	Defective Service Taps at 57', 94', and 107' from MH5676.
	OPL02	5876	5880	8"	VCP	8'	ASPHALT	693	Install 8" CIPP Liner (163') and Restore Services (3 Total).	Replace Service Lines and Taps Prior to CIPP.
	OPL02	5828T	5815	8"	VCP	4.5'	GRAVEL	45, 78, 79	Repair Faulty Mainline Taps (5 Total) – Replace Service Lines from Main to Property Line and Install Cleanouts for Each.	Defective Service Taps at 33', 72', 114', 136', and 179' from MH5828T.
	OPL02	5828T	5815	8"	VCP	4.5'	GRAVEL	85	CCTV Inspect Mainline After Repairs	
	OPL02	5828T	5815	8"	VCP	4.5'	GRAVEL	693	Install 8" CIPP Liner (200') and Restore Services (Estimated 5).	Total Length is an Estimate.

SHEET NUMBER 6A

MAINLINE REHABILITATION PLAN
MONITOR BASIN OPL02

SEWER COLLECTION SYSTEM REHABILITATION
CITY OF OPELOUSAS
ST. LANDRY PARISH, LOUISIANA

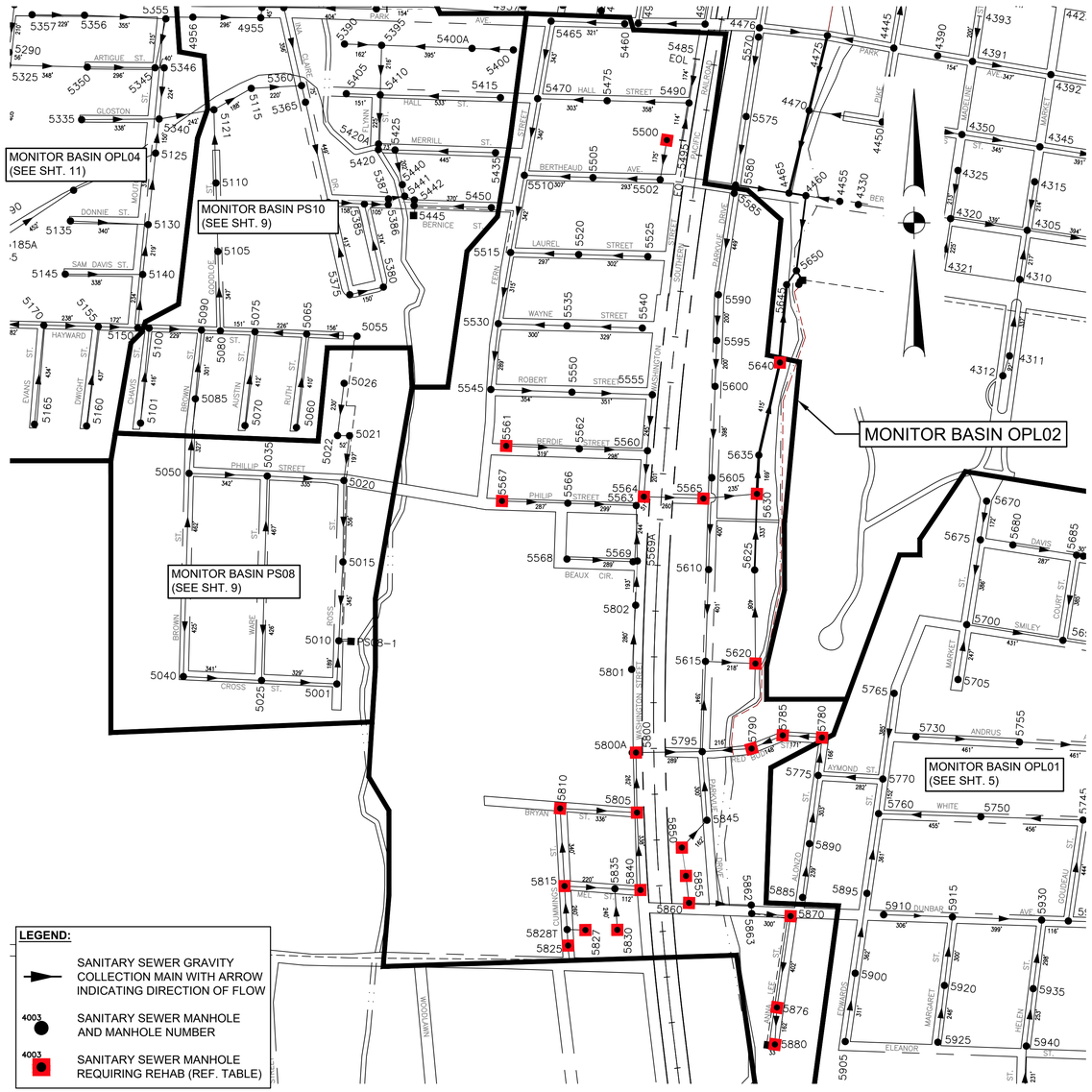
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DATE: 08-31-2026
DESIGNED BY: WHJ, III
CHECKED BY: WHJ, III
DRAWN BY: LPT

NO.	DATE	REVISION DESCRIPTION	BY

STATE OF LOUISIANA
William H. Jarrell, III
REG. No. 22819
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEER
08/31/2026

Morgan Goudeau & Associates
CIVIL ENGINEERS - LAND SURVEYORS
1703 West Landry Street, Opelousas, LA 70570
Phone: 337-948-4222 www.morgangoudeau.com
MGA

PROJECT NO.
SC#251-3



WASTEWATER COLLECTION SYSTEM
MONITOR BASIN OPL02
SCALE: 1" = 300'

MANHOLE REHABILITATION TABLE
MONITOR BASIN OPL02

WORK ORDER NO.	BASIN ID	MANHOLE NO.	DEPTH (V.F.)	LOCATED / INSPECTED	LOCATION SURFACE	REHAB CODES	REHAB DESCRIPTION	COMMENTS
	OPL02	5500		N/N	GRASS/DIRT	6	Replace Manhole Frame and Cover With New Composite Frame and Cover.	See Composite Frame and Cover Detail.
	OPL02	5500		N/N		36	Locate Manhole and Raise to Grade; Inspect for Additional Rehabilitation Work.	Use CCTV Inspection to Locate Manhole.
	OPL02	5561	4.2'	Y/Y	ASPHALT	6	Replace Manhole Frame and Cover With New Composite Frame and Cover.	See Composite Frame and Cover Detail.
	OPL02	5564	14.0'	Y/Y	ASPHALT	6	Replace Manhole Frame and Cover With New Composite Frame and Cover.	See Composite Frame and Cover Detail.
	OPL02	5565	13.1'	Y/Y	GRASS/DIRT	6	Replace Manhole Frame and Cover With New Composite Frame and Cover.	See Composite Frame and Cover Detail.
	OPL02	5567	3.6'	Y/Y	ASPHALT	6	Replace Manhole Frame and Cover With New Composite Frame and Cover.	See Composite Frame and Cover Detail.
	OPL02	5620	6.1'	Y/Y		28, 392	Remove Manhole Steps; Plug and Waterproof Coat Entire Manhole.	Brick Manhole; Root Infiltration
	OPL02	5630		N/N		36	Locate Manhole and Raise to Grade; Inspect for Additional Rehabilitation Work.	Manhole Not Located/Inspected During Prior SSES Work.
	OPL02	5640		N/N		36	Locate Manhole and Raise to Grade; Inspect for Additional Rehabilitation Work.	Manhole Not Located/Inspected During Prior SSES Work.
	OPL02	5780	12.1'	Y/Y	ASPHALT	28, 392	Remove Manhole Steps; Plug and Waterproof Coat Entire Manhole.	Brick Manhole
	OPL02	5780	12.1'	Y/Y	ASPHALT	2, 4	Replace Manhole Cover With New Retrofit Cover.	See Retrofit Cover Detail.
	OPL02	5785		N/N	GRAVEL	6	Replace Manhole Frame and Cover With New Composite Frame and Cover.	See Composite Frame and Cover Detail.
	OPL02	5785		N/N		36	Locate Manhole and Raise to Grade; Inspect for Additional Rehabilitation Work.	Manhole Not Located/Inspected During Prior SSES Work.
	OPL02	5790	5	Y/Y	GRASS/DIRT	6	Replace Manhole Frame and Cover With New Composite Frame and Cover.	See Composite Frame and Cover Detail.
	OPL02	5790	5.0'	Y/Y	GRASS/DIRT	28, 392	Remove Manhole Steps; Plug and Waterproof Coat Entire Manhole.	Brick Manhole
	OPL02	5800	11.0'	Y/Y	GRASS/DIRT	6	Replace Manhole Frame and Cover With New Composite Frame and Cover.	See Composite Frame and Cover Detail.
	OPL02	5805		N/N	GRASS/DIRT	2, 4	Replace Manhole Cover With New Retrofit Cover.	See Retrofit Cover Detail.
	OPL02	5805		N/N		36	Locate Manhole and Raise to Grade; Inspect for Additional Rehabilitation Work.	Manhole Not Located/Inspected During Prior SSES Work.
	OPL02	5810	5.8'	Y/Y	GRAVEL	6	Replace Manhole Frame and Cover With New Composite Frame and Cover.	See Composite Frame and Cover Detail.
	OPL02	5816		N/N		36	Locate Manhole and Raise to Grade; Inspect for Additional Rehabilitation Work.	Manhole Not Located/Inspected During Prior SSES Work.
	OPL02	5825	4.6'	Y/Y	GRAVEL	6	Replace Manhole Frame and Cover With New Composite Frame and Cover.	See Composite Frame and Cover Detail.
	OPL02	5827	4.6'	Y/Y	GRASS/DIRT	6	Replace Manhole Frame and Cover With New Composite Frame and Cover.	See Composite Frame and Cover Detail.
	OPL02	5830		N/N	GRASS/DIRT	6	Replace Manhole Frame and Cover With New Composite Frame and Cover.	See Composite Frame and Cover Detail.
	OPL02	5830		N/N		36	Locate Manhole and Raise to Grade; Inspect for Additional Rehabilitation Work.	Manhole Not Located/Inspected During Prior SSES Work.
	OPL02	5840	5.0'	Y/Y	ASPHALT	2, 4	Replace Manhole Cover With New Retrofit Cover.	See Retrofit Cover Detail.
	OPL02	5850		N/N	GRASS/DIRT	6	Replace Manhole Frame and Cover With New Composite Frame and Cover.	See Composite Frame and Cover Detail.
	OPL02	5850		N/N		693	Plug and Waterproof Coat Entire Manhole.	Brick Manhole
	OPL02	5850		N/N		36	Locate Manhole and Raise to Grade; Inspect for Additional Rehabilitation Work.	Manhole Not Located/Inspected During Prior SSES Work.
	OPL02	5855		N/N		36	Locate Manhole and Raise to Grade; Inspect for Additional Rehabilitation Work.	Manhole Not Located/Inspected During Prior SSES Work.
	OPL02	5860		N/N		36	Locate Manhole and Raise to Grade; Inspect for Additional Rehabilitation Work.	Manhole Not Located/Inspected During Prior SSES Work.
	OPL02	5870	5.5'	Y/Y	GRASS/DIRT	6	Replace Manhole Frame and Cover With New Composite Frame and Cover.	See Composite Frame and Cover Detail.
	OPL02	5876	8.0'	Y/Y	ASPHALT	6	Replace Manhole Frame and Cover With New Composite Frame and Cover.	See Composite Frame and Cover Detail.
	OPL02	5880	8.3'	Y/Y	ASPHALT	6	Replace Manhole Frame and Cover With New Composite Frame and Cover.	See Composite Frame and Cover Detail.

GENERAL NOTES:

1. THE MANHOLE REHABILITATION WORK SHOWN IN THE CHARTS WAS OBTAINED FROM INFORMATION OBTAINED FROM MANHOLE INSPECTIONS PERFORMED FOR THE CITY OF OPELOUSAS DURING THE PERIOD FROM MARCH 2025 – MARCH 2026.
2. THE CHARTS PROVIDE A REHAB CODE THAT REFERS TO THE REHAB DESCRIPTION OF THE WORK TO BE PERFORMED (A REHAB CODE LIST IS PROVIDED ON PLAN SHEET 3). THE WORK ORDER ISSUED WILL PROVIDE MORE DETAILED INFORMATION OUTLINING THE SPECIFIC WORK TO BE PERFORMED FOR EACH REPAIR. CONTRACTOR'S ATTENTION IS CALLED TO DIVISION 1, SECTION 01025 OF THE TECHNICAL SPECIFICATIONS FOR INFORMATION REGARDING MEASUREMENT AND PAYMENT FOR EACH BID ITEM INCLUDED IN THE BID FORM.
3. IN SOME LOCATIONS, THE MANHOLE WAS UNABLE TO BE LOCATED AND INSPECTED BY THE ENGINEER. IN THESE CASES, THE ENGINEER WILL ISSUE A WORK ORDER TO TV THE MAINLINE TO GET A MEASUREMENT TO THE UNLOCATED MANHOLE. OTHER METHODS OF LOCATING THE MANHOLE SUCH AS SMOKE TESTING MAY ALSO BE UTILIZED. ATTEMPTS WILL BE MADE BY THE CONTRACTOR IN COORDINATION WITH THE ENGINEER'S REPRESENTATIVE TO LOCATE AND OPEN THE MANHOLE TO ALLOW FOR THE ENGINEER'S REPRESENTATIVE TO INSPECT THE MANHOLE FOR DEFECTS. AFTER INSPECTION OF THE MANHOLE BY ENGINEER'S REPRESENTATIVE, IF DEFECTS ARE IDENTIFIED, CONTRACTOR WILL BE ISSUED A WORK ORDER TO MAKE NECESSARY REPAIRS TO THE MANHOLE.
4. IN MANY LOCATIONS, THE MANHOLE WILL BE IN EASEMENTS ON PRIVATE PROPERTY WHERE ACCESS WILL BE LIMITED OR REQUIRE SPECIAL CONSIDERATION. OWNER AND ENGINEER WILL ASSIST CONTRACTOR WITH OBTAINING ACCESS TO THE REPAIR SITE FROM THE PROPERTY OWNER.
5. WORK ORDERS FOR SIMILAR TYPE WORK SUCH AS MANHOLE LINING (PLUG & WATERPROOFING) MAY BE ISSUED FOR ALL BASINS AT THE SAME TIME TO ASSIST CONTRACTOR IN SCHEDULING WORK WITH SUB-CONTRACTORS PERFORMING THIS WORK. HOWEVER, DURING THE COURSE OF THE PROJECT, ADDITIONAL WORK ORDERS FOR THIS TYPE OF WORK MAY BE REQUIRED TO BE ISSUED AS DEFECTS ARE IDENTIFIED.

SHEET NUMBER 7

MANHOLE REHABILITATION PLAN
MONITOR BASIN OPL02

SEWER COLLECTION SYSTEM REHABILITATION
CITY OF OPELOUSAS
ST. LANDRY PARISH, LOUISIANA

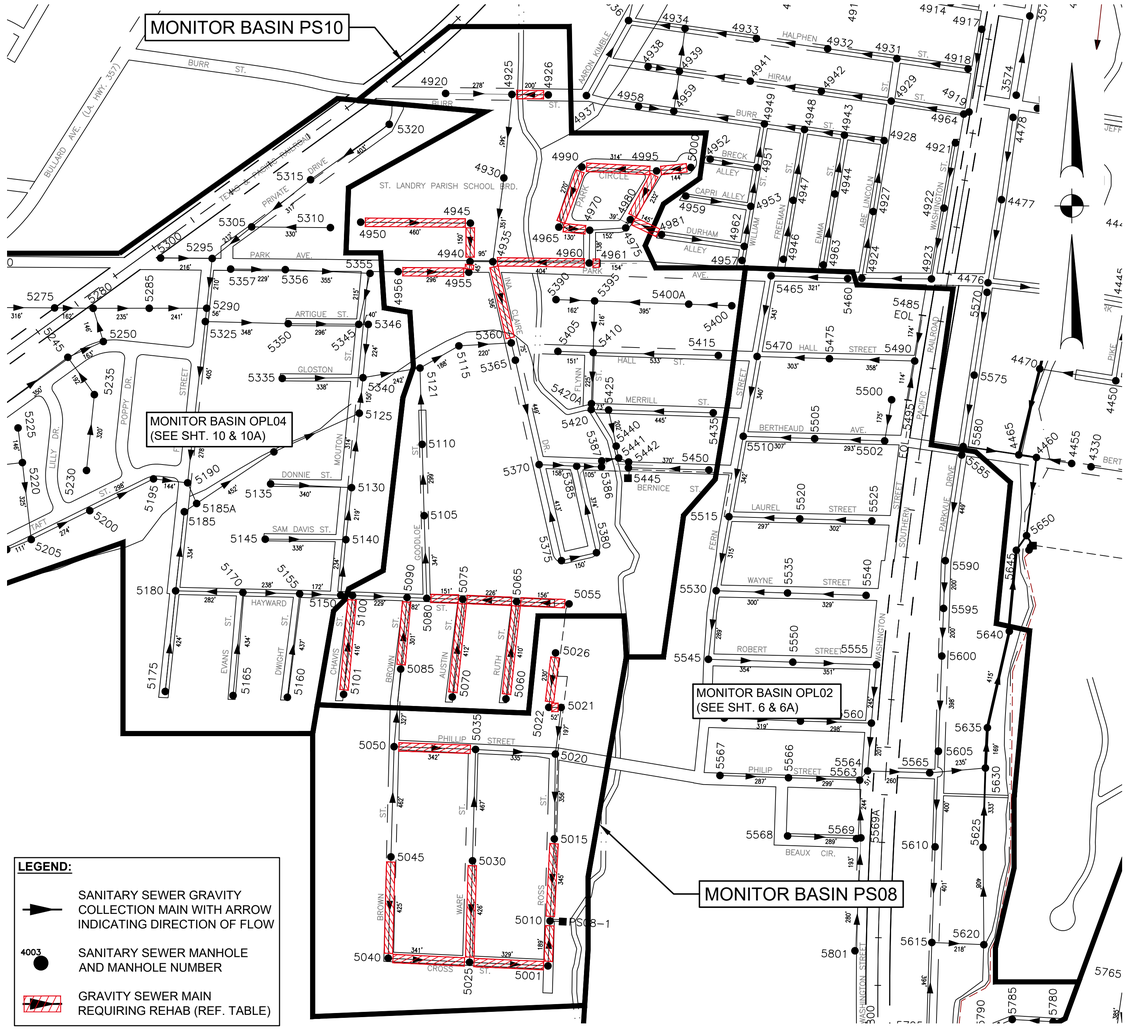
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DATE: 08-31-2026
DESIGNED BY: WHJ, III
CHECKED BY: WHJ, III
DRAWN BY: LPT

NO.	DATE	REVISION DESCRIPTION	BY

STATE OF LOUISIANA
William H. Jarrell, III
REG. No. 22819
REGISTERED PROFESSIONAL ENGINEER IN ENGINEERING
08/31/2026

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PROJECT NO.
SC#251-3



LEGEND:

- SANITARY SEWER GRAVITY COLLECTION MAIN WITH ARROW INDICATING DIRECTION OF FLOW
- 4003 SANITARY SEWER MANHOLE AND MANHOLE NUMBER
- GRAVITY SEWER MAIN REQUIRING REHAB (REF. TABLE)

WASTEWATER COLLECTION SYSTEM
MONITOR BASIN PS08 & PS10
SCALE: 1" = 300'

GENERAL NOTES:

1. THE MAINLINE REHABILITATION WORK SHOWN IN THE CHARTS WAS OBTAINED FROM INFORMATION OBTAINED FROM MAINLINE CCTV INSPECTIONS PERFORMED FOR THE CITY OF OPELOUSAS DURING THE PERIOD FROM MARCH 2025 – MARCH 2026.
2. THE CHARTS PROVIDE A REHAB CODE THAT REFERS TO THE REHAB DESCRIPTION OF THE WORK TO BE PERFORMED (A REHAB CODE LIST IS PROVIDED ON PLAN SHEET 3). THE WORK ORDER ISSUED WILL PROVIDE MORE DETAILED INFORMATION OUTLINING THE SPECIFIC WORK TO BE PERFORMED FOR EACH REPAIR. CONTRACTOR'S ATTENTION IS CALLED TO DIVISION 1, SECTION 01025 OF THE TECHNICAL SPECIFICATIONS FOR INFORMATION REGARDING MEASUREMENT AND PAYMENT FOR EACH BID ITEM INCLUDED IN THE BID FORM.
3. A WORK ORDER WILL BE ISSUED TO SMOKE TEST ALL LINE SEGMENTS IN MONITOR BASIN PS08 AND PS10 AFTER THE COMPLETION OF MONITOR BASIN OPL02. UPON COMPLETION OF THE SMOKE TESTING FOR EACH BASIN, CONTRACTOR TO PROVIDE ENGINEER WITH COPIES OF THE SMOKE TEST DELIVERABLES IN ACCORDANCE WITH SECTION 02957 OF THE SPECIFICATIONS.
4. UPON REVIEW AND EVALUATION OF THE SMOKE TEST RESULTS, ENGINEER WILL ISSUE A WORK ORDER FOR EACH REPAIR TO BE PERFORMED IN THE MONITOR BASIN.
5. IN MANY LOCATIONS, THE REPAIR WORK WILL BE IN EASEMENTS ON PRIVATE PROPERTY WHERE ACCESS WILL BE LIMITED OR REQUIRE SPECIAL CONSIDERATION. OWNER AND ENGINEER WILL ASSIST CONTRACTOR WITH OBTAINING ACCESS TO THE REPAIR SITE FROM THE PROPERTY OWNER.
6. IT IS ENGINEER'S INTENTION TO ISSUE WORK ORDERS FOR MAINLINE AND SERVICE LINE POINT REPAIRS AT THE SAME TIME SO THAT THE EXCAVATION WORK FOR REPAIRS IN THE SAME AREA CAN BE PERFORMED AT THE SAME GENERAL TIME. THIS WILL HELP TO MINIMIZE DISTURBANCE TO AFFECTED PROPERTY OWNERS.
7. WORK ORDERS FOR SIMILAR TYPE WORK SUCH AS MAINLINE (CIPP), PIPE BURSTING, OR MANHOLE (PLUG & WATERPROOFING) LINING MAY BE ISSUED FOR ALL BASINS AT THE SAME TIME TO ASSIST CONTRACTOR IN SCHEDULING WORK WITH SUB-CONTRACTORS PERFORMING THIS WORK. HOWEVER, DURING THE COURSE OF THE PROJECT, ADDITIONAL WORK ORDERS FOR THIS TYPE OF WORK MAY BE REQUIRED TO BE ISSUED AS DEFECTS ARE IDENTIFIED.
8. WHERE PIPE BURSTING IS CALLED FOR ON THE PLANS, AFTER THE PIPE IS INSTALLED, TESTED, AND READY FOR OPERATION, EACH SERVICE IS TO BE RESTORED AND PAID FOR UNDER THE BID ITEMS FOR MAINLINE POINT REPAIR AND REPAIR FAULTY MAINLINE TAP. SERVICE LINE INSTALLED WILL BE PAID FOR BY THE LINEAR FOOT AT THE UNIT PRICE PROVIDED IN THE BID.

WASTEWATER COLLECTION SYSTEM REHABILITATION
MONITOR BASIN PS 08

WORK ORDER NO.	MONITOR BASIN	UP MH	DN MH	PIPE SIZE	PIPE TYPE	APPROX. DEPTH	SURFACE	REHAB. CODE	DESCRIPTION	COMMENTS
	PS08	5001	5010	10"	VCP	5'	ASPHALT	43, 72	10" Point Repair at 125' from MH5001 (Remove Tap)	
	PS08	5015	5010	8"	VCP	5.5'	ASPHALT	43	8" Point Repair at 288' from MH5015	Large Offset Joint and Obstruction in Pipe
	PS08	5015	5010	8"	VCP	5.5'	ASPHALT	45, 78, 79	Repair Faulty Mainline Tap at 174' from MH5015. Replace Service Line from Main to Property Line and Install Cleanout.	
	PS08	5015	5010	8"	VCP	5.5'	ASPHALT	45, 78, 79	Repair Faulty Mainline Tap at 196' from MH5015. Replace Service Line from Main to Property Line and Install Cleanout.	
	PS08	5015	5010	8"	VCP	5.5'	ASPHALT	45, 78, 79	Repair Faulty Mainline Tap at 244' from MH5015. Replace Service Line from Main to Property Line and Install Cleanout.	
	PS08	5015	5010	8"	VCP	5.5'	ASPHALT	45, 78, 79	Repair Faulty Mainline Tap at 18' from MH5010. Replace Service Line from Main to Property Line and Install Cleanout.	
	PS08	5022	5021				GRASS/DIRT	85	CCTV Inspect Mainline Segment.	Mainline Segment Not Inspected During Prior SSES Work; CNL Manhole.
	PS08	5025	5001	8"	VCP	4'	ASPHALT	43	8" Point Repair at 58' from MH5025	
	PS08	5025	5001	8"	VCP	4'	ASPHALT	693	Install 8" CIPP Liner (330')	Do Not Restore Services
	PS08	5026	5022				GRASS/DIRT	85	CCTV Inspect Mainline Segment.	Mainline Segment Not Inspected During Prior SSES Work; CNL Manhole.
	PS08	5030	5025	8"	VCP	4.5'	ASPHALT	43, 46	8" Point Repair at 2' from MH5025 (MH Pipe Connection – External)	
	PS08	5040	5025	8"	VCP	5'	ASPHALT	78, 79, 696	8" Pipe Burst (346') and Restore Services at 53' and 102' Only. Replace Service Line from Main to Property Line and Install Cleanouts for Each.	Defective tap at 53' and 102' from MH5040. Do Not Restore Inactive Taps.
	PS08	5045	5040	8"	VCP	6'	GRAVEL	78, 79, 693	Install 8" CIPP Liner (431') and Restore Services (5) – Replace Service Lines from Main to Property Line and Install Cleanouts for Each.	Replace Services at 81', 125', 180', 238', and 274'; Replace Service Lines and Taps Prior to CIPP.
	PS08	5050	5035	8"	VCP	5.5'	ASPHALT	78, 79, 693	Install 8" CIPP Liner (346') and Restore Services (9) – Replace Service Lines from Main to Property Line and Install Cleanouts for Each.	Replace Service Lines and Taps Prior to CIPP.

WASTEWATER COLLECTION SYSTEM REHABILITATION
MONITOR BASIN PS10

WORK ORDER NO.	MONITOR BASIN	UP MH	DN MH	PIPE SIZE	PIPE TYPE	APPROX. DEPTH	SURFACE	REHAB. CODE	DESCRIPTION	COMMENTS
	PS10	4926	4925	8"				85	CCTV Inspect Mainline Segment.	Mainline Segment Not Inspected During Prior SSES Work; CNL Manhole
	PS10	4935	5360	8"	RCP	8'	CONCRETE	43	8" Point Repair @ 262' from MH 4935	
	PS10	4945	4940	8"	RCP	7'	GRASS/DIRT	43	8" Point Repair @ 18' from MH 4940	
	PS10	4950	4945				GRASS/DIRT	85	CCTV Inspect Mainline Segment.	Mainline Segment Not Inspected During Prior SSES Work; CNL Manhole
	PS10	4955	4940	8"	RCP	5.5'	ASPHALT	693	Install 8" CIPP Liner (45')	
	PS10	4956	4955	8"	VCP	4.5'	ASPHALT	78, 79, 693	Install 8" CIPP Liner (291') and Restore Services (2 Total) – Replace Service Line from Main to Property Line and Install Cleanouts for Each.	Replace Service Lines and Taps Prior to CIPP.
	PS10	4960	4935	8"	VCP	4.5'	ASPHALT	78, 79, 693	Install 8" CIPP Liner (291') and Restore Services (2 Total) – Replace Service Line from Main to Property Line and Install Cleanouts for Each.	Replace Service Lines and Taps Prior to CIPP.
	PS10	4960	4935	8"	VCP	7.5'	DRAINAGE	43	8" Point Repair @ 134' from MH 4935	Remove Broken Gasket Blocking Mainline. (Repair Location is at Bayou)
	PS10	4960	4935	8"	VCP	7.5'	GRASS/DIRT	45, 78, 79	Repair Faulty Mainline Taps (4 Total). Replace Service Line from Main to Property Line and Install Cleanouts for Each.	Defective Service Taps at 70', 96', 144', and 202' from MH4960.
	PS10	4960	4935	8"	VCP	7.5'	GRASS/DIRT	87	Root Removal and Chemical Root Treatment	
	PS10	4960	4935	8"	VCP	7.5'	GRASS/DIRT	78, 79, 693	Install 8" CIPP Liner (397') and Restore Services (4 Total) – Replace Service Lines from Main to Property Line and Install Cleanouts for Each.	Replace Service Lines and Taps Prior to CIPP.
	PS10	4961	4960	8"	VCP	6.5'	GRASS/DIRT	43, 85	8" Point Repair at 46' from MH4960	
	PS10	4965	4970	8"	VCP	6'	EDGE OF ROADWAY	693	Install 8" CIPP Liner (124')	I/I at Joints
	PS10	4981	4980				GRASS/DIRT	85	Locate Manhole and CCTV Inspect Mainline Segment.	Mainline Segment Not Inspected During Prior SSES Work – CNL Manhole(s).
	PS10	4990	4965	8"	VCP	5.5'	EDGE OF ROADWAY	45, 78, 79	Repair Faulty Mainline Taps (7 Total). Replace Service Line from Main to Property Line and Install Cleanouts for Each.	Defective Service Taps at 40.5', 67', 89.5', 136.5', 184', 186', and 238' from MH4990.
	PS10	4990	4965	8"	VCP	5.5'	EDGE OF ROADWAY	693	Install 8" CIPP Liner (282') and Restore Services (7 Total) – Replace Service Lines from Main to Property Line and Install Cleanouts for Each.	Replace Service Lines and Taps Prior to CIPP.
	PS10	4995	4980	8"	VCP	6'	ASPHALT	78, 79, 693	Install 8" CIPP Liner (276') and Restore Services (6 Total) – Replace Service Lines from Main to Property Line and Install Cleanouts for Each.	Replace Service Lines and Taps Prior to CIPP.
	PS10	4995	4990	8"	VCP	5.5'	ASPHALT	78, 79, 694	Install 8" CIPP Liner (319') and Restore Services (8 Total) – Replace Service Lines from Main to Property Line and Install Cleanouts for Each.	Replace Service Lines and Taps Prior to CIPP.
	PS10	5000	4995	8"	VCP	5.5'	ASPHALT	78, 79, 695	Install 8" CIPP Liner (148') and Restore Services (4 Total) – Replace Service Lines from Main to Property Line and Install Cleanouts for Each.	Replace Service Lines and Taps Prior to CIPP.
	PS10	5055	5065	8"	VCP	6'	GRASS/DIRT	87	Root Removal and Chemical Root Treatment	
	PS10	5055	5065	8"	VCP	6'	GRASS/DIRT	78, 79, 693	Install 8" CIPP Liner (156') and Restore Service – Replace Service Line from Main to Property Line and Install Cleanout.	Replace Service Lines and Taps Prior to CIPP.
	PS10	5060	5065	8"	VCP	5.5'	GRAVEL	84, 491	Dye Flood at Cross Drains (2 Locations) Near MH5065	Suspected I/I
	PS10	5065	5075	8"	VCP	6'	ASPHALT	84, 491	Dye Flood at Catch Basins Near MH5075	Suspected I/I
	PS10	5065	5075	8"	VCP	6'	ASPHALT	45, 78, 79	Repair Faulty Mainline Taps and Restore Services (4 Total) – Replace Service Lines from Main to Property Line and Install Cleanout for Each.	Defective Service Taps at 26', 69', 127', and 170' from MH5065.
	PS10	5070	5075	8"	VCP	5.5'	ASPHALT	78, 79, 693	Install 8" CIPP Liner (418') and Restore Services (18 Total) – Replace Service Lines from Main to Property Line and Install Cleanout for Each.	Replace Service Lines and Taps Prior to CIPP.
	PS10	5075	5080	8"	VCP	6.5'	ASPHALT	84, 491	Dye Flood at Catch Basins Near MH5080	Suspected I/I
	PS10	5075	5080	8"	VCP	6.5'	ASPHALT	45, 78, 79	Repair Faulty Mainline Taps and Restore Services (3 Total) – Replace Service Lines from Main to Property Line and Install Cleanout for Each.	Defective Service Taps at 4', 45', and 82' from MH5075.
	PS10	5085	5090	8"	VCP	6.5'	ASPHALT	84, 491	Dye Flood at Catch Basins (4 Total) Near MH5090	Suspected I/I
	PS10	5085	5090	8"	VCP	6.5'	ASPHALT	45, 78, 79	Repair Faulty Mainline Tap at 216' from MH5085. Replace Service Line from Main to Property Line and Install Cleanout.	Crack and Infiltration Near Service Tap
	PS10	5101	5100	8"	VCP	4.5'	ASPHALT	84, 491	Dye Flood at Cross Drains (2 Locations)	

SHEET NUMBER 8

MAINLINE REHABILITATION PLAN
MONITOR BASIN PS08 AND PS10

SEWER COLLECTION SYSTEM REHABILITATION
CITY OF OPELOUSAS
ST. LANDRY PARISH, LOUISIANA

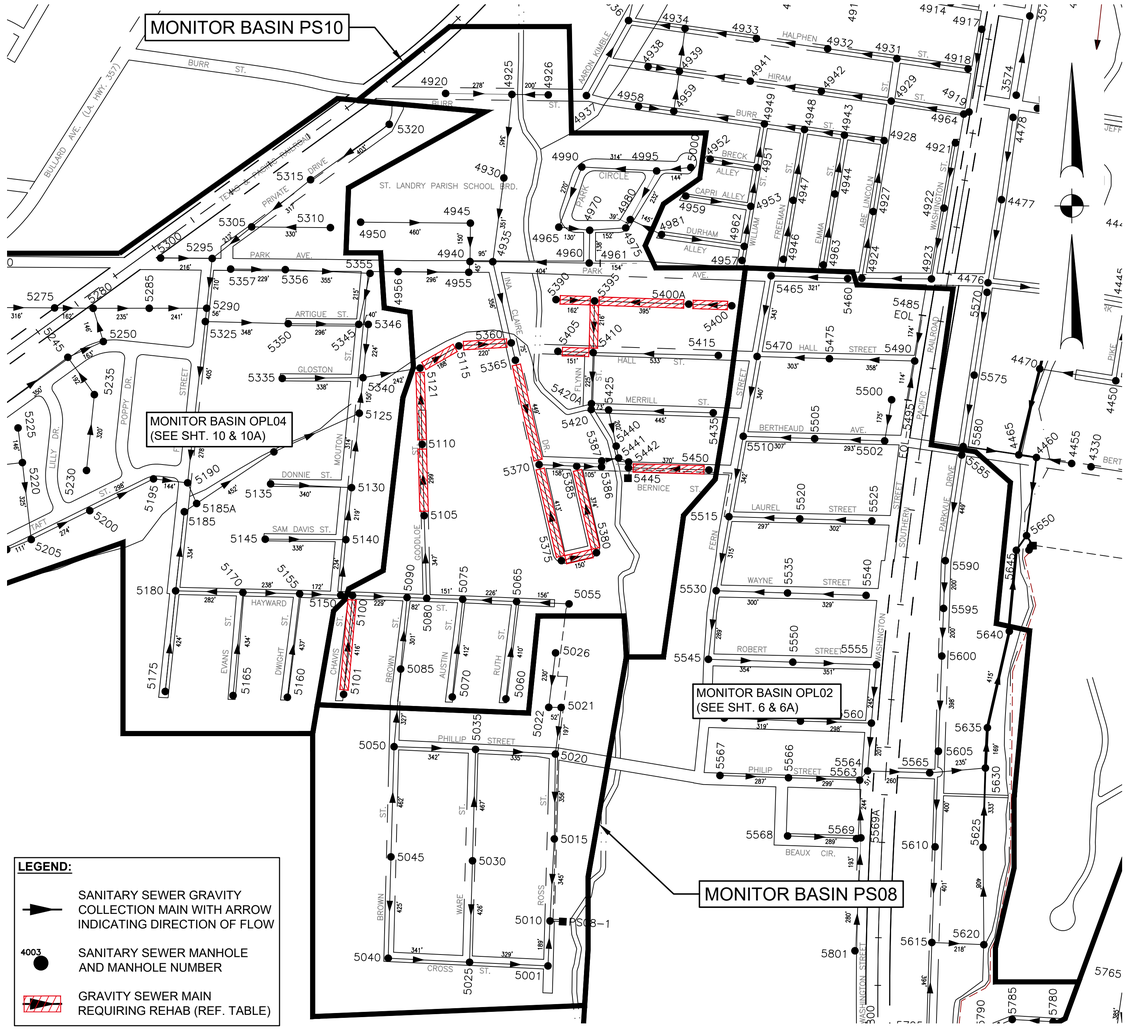
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DATE: 08-31-2026
DESIGNED BY: WHJ, III
CHECKED BY: WHJ, III
DRAWN BY: LPT

NO.	DATE	REVISION DESCRIPTION	BY

STATE OF LOUISIANA
William H. Jarrell, III
REG. No. 22819
REGISTERED PROFESSIONAL ENGINEER
08/31/2026

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MGA

PROJECT NO.
SC#251-3



LEGEND:

- SANITARY SEWER GRAVITY COLLECTION MAIN WITH ARROW INDICATING DIRECTION OF FLOW
- 4003 SANITARY SEWER MANHOLE AND MANHOLE NUMBER
- GRAVITY SEWER MAIN REQUIRING REHAB (REF. TABLE)

WASTEWATER COLLECTION SYSTEM
MONITOR BASIN PS10
SCALE: 1" = 300'

WASTEWATER COLLECTION SYSTEM REHABILITATION
MONITOR BASIN PS10

WORK ORDER NO.	MONITOR BASIN	UP MH	DN MH	PIPE SIZE	PIPE TYPE	APPROX. DEPTH	SURFACE	REHAB. CODE	DESCRIPTION	COMMENTS
	PS10	5101	5100	8"	VCP	4.5'	ASPHALT	43	8" Point Repair at 2' MH5101	
	PS10	5105	5110	8"	VCP	7.5'	GRASS/DIRT	45, 78, 79	Repair Faulty Mainline Tap at 133.5' from MH5105. Replace Service Line from Main to Property Line and Install Cleanout.	
	PS10	5110	5121					85	Locate Manholes and CCTV Inspect Mainline Segment.	Mainline Segment Not Inspected During Prior SSES Work; CNL Manhole(s).
	PS10	5115	5360					85	Locate Manholes and CCTV Inspect Mainline Segment.	Mainline Segment Not Inspected During Prior SSES Work; CNL Manhole(s).
	PS10	5121	5115					85	Locate Manholes and CCTV Inspect Mainline Segment.	Mainline Segment Not Inspected During Prior SSES Work; CNL Manhole(s).
	PS10	5365	5370	10"	VCP	14'	CONCRETE	78, 79, 696	10" Pipe Burst (456') and Restore Services (17 Total) – Replace Service Lines from Main to Property Line and Install Cleanout for Each.	
	PS10	5375	5370	8"	VCP	7'	CONCRETE	45, 78, 79	Repair Faulty Mainline Tap at 70' from MH5375 and Replace Service Line from Main to Property Line and Install Cleanout.	
	PS10	5375	5370	8"	VCP	10'	CONCRETE	45, 78, 79	Repair Faulty Mainline Tap at 153' from MH5370 and Replace Service Line from Main to Property Line and Install Cleanout.	
	PS10	5375	5370	8"	VCP	11'	CONCRETE	45, 78, 79	Repair Faulty Mainline Tap at 288' from MH5370 and Replace Service Line from Main to Property Line and Install Cleanout.	
	PS10	5375	5380	8"	VCP	5'	CONCRETE	45, 78, 79	Repair Faulty Mainline Tap at 34' from MH5375 and Replace Service Line from Main to Property Line and Install Cleanout.	CCTV After Repair is Complete
	PS10	5375	5380	8"	VCP	5'	CONCRETE	45, 78, 79	Repair Faulty Mainline Tap at 57' from MH5380 and Replace Service Line from Main to Property Line and Install Cleanout.	
	PS10	5380	5385	8"	VCP	9.5'	CONCRETE	45, 78, 79	Repair Faulty Mainline Tap at 79' from MH5380 and Replace Service Line from Main to Property Line and Install Cleanout.	
	PS10	5380	5385	8"	VCP	9.5'	CONCRETE	45, 78, 79	Repair Faulty Mainline Tap at 279' from MH5380 and Replace Service Line from Main to Property Line and Install Cleanout.	
	PS10	5380	5385	8"	VCP	9.5'	CONCRETE	45, 78, 79	Repair Faulty Mainline Tap at 101' from MH5385 and Replace Service Line from Main to Property Line and Install Cleanout.	
	PS10	5390	5395	8"	VCP	4'	GRASS/DIRT	45	Repair Faulty Mainline Tap at 58' from MH5390.	Located in Easement – Access Issue
	PS10	5390	5395	8"	VCP	4'	GRASS/DIRT	87	Root Removal and Chemical Root Treatment	Located in Easement – Access Issue
	PS10	5390	5395	8"	VCP	4'	GRASS/DIRT	693	Install 8" CIPP Liner (162') and Restore Service.	Located in Easement – Access Issue
	PS10	5395	5410	8"	VCP	4.5'	GRASS/DIRT	87	Root Removal and Chemical Root Treatment	Located in Easement – Access Issue
	PS10	5395	5410	8"	VCP	4.5'	GRASS/DIRT	79, 693	Install 8" CIPP Liner (216') and Restore Service – Replace Service 10' of Service Line.	Replace Service Lines and Taps Prior to CIPP.
	PS10	5400	5400A	8"	VCP	4'	GRASS/DIRT	45, 78, 79	Repair Faulty Mainline Taps (Estimated 4 Total).	Defective Service Taps at 5.5', 22.5', 101.5', and 150' from MH5400A – Located in Easement.
	PS10	5400	5400A	8"	VCP	4'	GRASS/DIRT	85	CCTV Inspect Mainline Segment.	Complete CCTV After Repairs; CNL MH5400 During Prior SSES – Located in Easement.
	PS10	5400	5400A	8"	VCP	4'	GRASS/DIRT	693	Install 8" CIPP Liner and Restore Services.	Determine Length of Segment With CCTV – Located in Easement.
	PS10	5400A	5395	8"	VCP	+/– 5.5'	GRASS/DIRT	45	Repair Faulty Mainline Taps (6 Total).	Defective Service Taps at 46.5', 81', 189', 260', 276', and 322' from MH5400A – Located in Easement.
	PS10	5405	5410	8"	VCP	6'	GRASS/DIRT	45, 78, 79	Repair Faulty Mainline Tap at 98' from MH5405 and Replace Service from Main to Property Line and Install Cleanout.	
	PS10	5405	5410	8"	VCP	6'	GRASS/DIRT	43	8" Point Repair at 124' from MH5405	
	PS10	5450	5445	8"	PVC/VCP	6'	ASPHALT	43	8" Point Repair at 103' from MH5450	
	PS10	5450	5445	8"	VCP	6'	ASPHALT	43	8" Point Repair at 10' from MH5450	
	PS10	5450	5445	8"	VCP	6'	ASPHALT	87	Root Removal and Chemical Root Treatment	
	PS10	5450	5445	8"	PVC/VCP	6'	ASPHALT	45, 78, 79	Repair Faulty Mainline Taps (4 Total) and Replace Service from Main to Property Line and Install Cleanouts for Each.	Defective Service Taps at 6', 43', 60', and 93' from MH5450.
	PS10	5450	5445	8"	PVC/VCP	6'	ASPHALT	85	CCTV Inspect Mainline Segment.	Inspect Mainline Segment for Additional Repairs

GENERAL NOTES:

1. THE MAINLINE REHABILITATION WORK SHOWN IN THE CHARTS WAS OBTAINED FROM INFORMATION OBTAINED FROM MAINLINE CCTV INSPECTIONS PERFORMED FOR THE CITY OF OPELOUSAS DURING THE PERIOD FROM MARCH 2025 – MARCH 2026.
2. THE CHARTS PROVIDE A REHAB CODE THAT REFERS TO THE REHAB DESCRIPTION OF THE WORK TO BE PERFORMED (A REHAB CODE LIST IS PROVIDED ON PLAN SHEET 3). THE WORK ORDER ISSUED WILL PROVIDE MORE DETAILED INFORMATION OUTLINING THE SPECIFIC WORK TO BE PERFORMED FOR EACH REPAIR. CONTRACTOR'S ATTENTION IS CALLED TO DIVISION 1, SECTION 01025 OF THE TECHNICAL SPECIFICATIONS FOR INFORMATION REGARDING MEASUREMENT AND PAYMENT FOR EACH BID ITEM INCLUDED IN THE BID FORM.
3. A WORK ORDER WILL BE ISSUED TO SMOKE TEST ALL LINE SEGMENTS IN MONITOR BASIN PS08 AND PS10 AFTER THE COMPLETION OF MONITOR BASIN OPL02. UPON COMPLETION OF THE SMOKE TESTING FOR EACH BASIN, CONTRACTOR TO PROVIDE ENGINEER WITH COPIES OF THE SMOKE TEST DELIVERABLES IN ACCORDANCE WITH SECTION 02957 OF THE SPECIFICATIONS.
4. UPON REVIEW AND EVALUATION OF THE SMOKE TEST RESULTS, ENGINEER WILL ISSUE A WORK ORDER FOR EACH REPAIR TO BE PERFORMED IN THE MONITOR BASIN.
5. IN MANY LOCATIONS, THE REPAIR WORK WILL BE IN EASEMENTS ON PRIVATE PROPERTY WHERE ACCESS WILL BE LIMITED OR REQUIRE SPECIAL CONSIDERATION. OWNER AND ENGINEER WILL ASSIST CONTRACTOR WITH OBTAINING ACCESS TO THE REPAIR SITE FROM THE PROPERTY OWNER.
6. IT IS ENGINEER'S INTENTION TO ISSUE WORK ORDERS FOR MAINLINE AND SERVICE LINE POINT REPAIRS AT THE SAME TIME SO THAT THE EXCAVATION WORK FOR REPAIRS IN THE SAME AREA CAN BE PERFORMED AT THE SAME GENERAL TIME. THIS WILL HELP TO MINIMIZE DISTURBANCE TO AFFECTED PROPERTY OWNERS.
7. WORK ORDERS FOR SIMILAR TYPE WORK SUCH AS MAINLINE (CIPP), PIPE BURSTING, OR MANHOLE (PLUG & WATERPROOFING) LINING MAY BE ISSUED FOR ALL BASINS AT THE SAME TIME TO ASSIST CONTRACTOR IN SCHEDULING WORK WITH SUB-CONTRACTORS PERFORMING THIS WORK. HOWEVER, DURING THE COURSE OF THE PROJECT, ADDITIONAL WORK ORDERS FOR THIS TYPE OF WORK MAY BE REQUIRED TO BE ISSUED AS DEFECTS ARE IDENTIFIED.
8. WHERE PIPE BURSTING IS CALLED FOR ON THE PLANS, AFTER THE PIPE IS INSTALLED, TESTED, AND READY FOR OPERATION, EACH SERVICE IS TO BE RESTORED AND PAID FOR UNDER THE BID ITEMS FOR MAINLINE POINT REPAIR AND REPAIR FAULTY MAINLINE TAP. SERVICE LINE INSTALLED WILL BE PAID FOR BY THE LINEAR FOOT AT THE UNIT PRICE PROVIDED IN THE BID.

SHEET NUMBER 8A

MAINLINE REHABILITATION PLAN
MONITOR BASIN PS10

SEWER COLLECTION SYSTEM REHABILITATION
CITY OF OPELOUSAS
ST. LANDRY PARISH, LOUISIANA

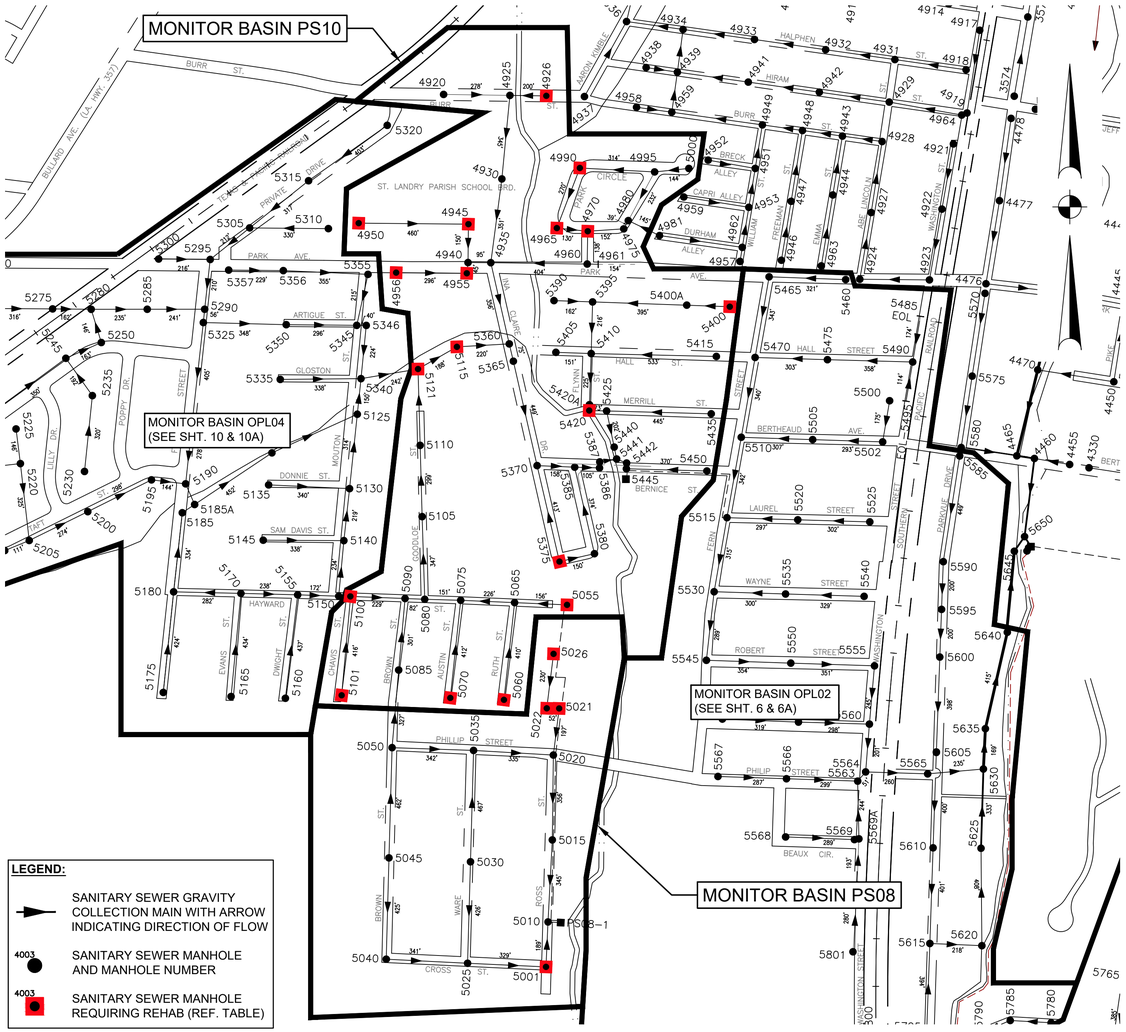
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DATE: 08-31-2026
DESIGNED BY: WHJ, III
CHECKED BY: WHJ, III
DRAWN BY: LPT

NO.	DATE	REVISION DESCRIPTION	BY

STATE OF LOUISIANA
William H. Jarrell, III
REG. No. 22819
REGISTERED PROFESSIONAL ENGINEER IN CIVIL ENGINEER
08/31/2026

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PROJECT NO.
SC#251-3



LEGEND:

- SANITARY SEWER GRAVITY COLLECTION MAIN WITH ARROW INDICATING DIRECTION OF FLOW
- 4003 SANITARY SEWER MANHOLE AND MANHOLE NUMBER
- 4003 SANITARY SEWER MANHOLE REQUIRING REHAB (REF. TABLE)

WASTEWATER COLLECTION SYSTEM
MONITOR BASIN PS08 & PS10
SCALE: 1" = 300'

MANHOLE REHABILITATION TABLE
MONITOR BASIN PS 08

WORK ORDER NO.	BASIN ID	MANHOLE NO.	DEPTH (V.F.)	LOCATED / INSPECTED	LOCATION SURFACE	REHAB CODES	REHAB DESCRIPTION	COMMENTS
	PS08	5001	4.1'	Y/Y	ASPHALT	2, 4	Replace Manhole Cover With New Retrofit Cover.	See Retrofit Cover Detail.
	PS08	5021		N/N	GRASS/DIRT	36	Locate Manhole and Raise to Grade; Inspect for Additional Rehabilitation Work.	Manhole Not Located During Prior SSES Work.
	PS08	5021		N/N	GRASS/DIRT	6	Replace Manhole Frame and Cover With New Composite Frame and Cover.	See Composite Frame and Cover Detail.
	PS08	5022		N/N	GRASS/DIRT	36	Locate Manhole and Raise to Grade; Inspect for Additional Rehabilitation Work.	Manhole Not Located During Prior SSES Work.
	PS08	5022		N/N	GRASS/DIRT	6	Replace Manhole Frame and Cover With New Composite Frame and Cover.	See Composite Frame and Cover Detail.
	PS08	5026		N/N	GRASS/DIRT	36	Locate Manhole and Raise to Grade; Inspect for Additional Rehabilitation Work.	Manhole Not Located During Prior SSES Work.
	PS08	5026		N/N	GRASS/DIRT	6	Replace Manhole Frame and Cover With New Composite Frame and Cover.	See Composite Frame and Cover Detail.

MANHOLE REHABILITATION TABLE
MONITOR BASIN PS10

WORK ORDER NO.	BASIN ID	MANHOLE NO.	DEPTH (V.F.)	LOCATED / INSPECTED	LOCATION SURFACE	REHAB CODES	REHAB DESCRIPTION	COMMENTS
	PS10	4926		N/N		36	Locate Manhole and Raise to Grade; Inspect for Additional Rehabilitation Work.	Manhole Not Located During Prior SSES Work.
	PS10	4945		N/N		36	Locate Manhole and Raise to Grade; Inspect for Additional Rehabilitation Work.	Manhole Not Located During Prior SSES Work.
	PS10	4950		N/N		36	Locate Manhole and Raise to Grade; Inspect for Additional Rehabilitation Work.	Manhole Not Located During Prior SSES Work.
	PS10	4955	4.1'	Y/Y	ASPHALT	2, 4	Replace Manhole Cover With New Retrofit Cover.	See Retrofit Cover Detail.
	PS10	4956	5.0'	Y/Y	ASPHALT	392	Plug and Waterproof Coat Entire Manhole.	
	PS10	4956	5.0'	Y/Y	ASPHALT	2, 4	Replace Manhole Cover With New Retrofit Cover.	See Retrofit Cover Detail.
	PS10	4965	5.8'	Y/Y	CONCRETE	2, 4	Replace Manhole Cover With New Retrofit Cover.	See Retrofit Cover Detail.
	PS10	4970	6.5'	Y/Y	ASPHALT	2, 4	Replace Manhole Cover With New Retrofit Cover.	See Retrofit Cover Detail.
	PS10	4990	5.3'	Y/Y	GRASS/DIRT	2, 4	Replace Manhole Cover With New Retrofit Cover.	See Retrofit Cover Detail.
	PS10	5055		Y/Y		6	Replace Manhole Frame and Cover With New Composite Frame and Cover.	See Composite Frame and Cover Detail.
	PS10	5055		N/N		36	Locate Manhole and Raise to Grade; Inspect for Additional Rehabilitation Work.	Manhole Not Located During Prior SSES Work.
	PS10	5060	5.5'	Y/Y	GRASS/DIRT	2, 4	Replace Manhole Cover With New Retrofit Cover.	See Retrofit Cover Detail.
	PS10	5070	4.7'	Y/Y	ASPHALT	2, 4	Replace Manhole Cover With New Retrofit Cover.	See Retrofit Cover Detail.
	PS10	5100	5.5'	Y/Y	ASPHALT	9	Seal Manhole Frame (Internal)	
	PS10	5101	4.2'	Y/Y	ASPHALT	6	Replace Manhole Frame and Cover With New Composite Frame and Cover.	See Composite Frame and Cover Detail.
	PS10	5115		N/N		36	Locate Manhole and Raise to Grade; Inspect for Additional Rehabilitation Work.	Manhole Not Located During Prior SSES Work.
	PS10	5121		N/N		36	Locate Manhole and Raise to Grade; Inspect for Additional Rehabilitation Work.	Manhole Not Located During Prior SSES Work.
	PS10	5375	4'	Y/Y	CONCRETE	392	Plug and Waterproof Coat Entire Manhole.	Manhole Wall Showing Multiple Fractures.
	PS10	5400		N/N	GRASS/DIRT	36	Locate Manhole and Raise to Grade; Inspect for Additional Rehabilitation Work.	Manhole Not Located During Prior SSES Work.
	PS10	5420	5.6'	Y/Y	GRASS/DIRT	6	Replace Manhole Frame and Cover With New Composite Frame and Cover.	See Composite Frame and Cover Detail.

GENERAL NOTES:

1. THE MANHOLE REHABILITATION WORK SHOWN IN THE CHARTS WAS OBTAINED FROM INFORMATION OBTAINED FROM MANHOLE INSPECTIONS PERFORMED FOR THE CITY OF OPELOUSAS DURING THE PERIOD FROM MARCH 2025 – MARCH 2026.
2. THE CHARTS PROVIDE A REHAB CODE THAT REFERS TO THE REHAB DESCRIPTION OF THE WORK TO BE PERFORMED (A REHAB CODE LIST IS PROVIDED ON PLAN SHEET 3). THE WORK ORDER ISSUED WILL PROVIDE MORE DETAILED INFORMATION OUTLINING THE SPECIFIC WORK TO BE PERFORMED FOR EACH REPAIR. CONTRACTOR'S ATTENTION IS CALLED TO DIVISION 1, SECTION 01025 OF THE TECHNICAL SPECIFICATIONS FOR INFORMATION REGARDING MEASUREMENT AND PAYMENT FOR EACH BID ITEM INCLUDED IN THE BID FORM.
3. IN SOME LOCATIONS, THE MANHOLE WAS UNABLE TO BE LOCATED AND INSPECTED BY THE ENGINEER. IN THESE CASES, THE ENGINEER WILL ISSUE A WORK ORDER TO TV THE MAINLINE TO GET A MEASUREMENT TO THE UNLOCATED MANHOLE. OTHER METHODS OF LOCATING THE MANHOLE SUCH AS SMOKE TESTING MAY ALSO BE UTILIZED. ATTEMPTS WILL BE MADE BY THE CONTRACTOR IN COORDINATION WITH THE ENGINEER'S REPRESENTATIVE TO LOCATE AND OPEN THE MANHOLE TO ALLOW FOR THE ENGINEER'S REPRESENTATIVE TO INSPECT THE MANHOLE FOR DEFECTS. AFTER INSPECTION OF THE MANHOLE BY ENGINEER'S REPRESENTATIVE, IF DEFECTS ARE IDENTIFIED, CONTRACTOR WILL BE ISSUED A WORK ORDER TO MAKE NECESSARY REPAIRS TO THE MANHOLE.
4. IN MANY LOCATIONS, THE MANHOLE WILL BE IN EASEMENTS ON PRIVATE PROPERTY WHERE ACCESS WILL BE LIMITED OR REQUIRE SPECIAL CONSIDERATION. OWNER AND ENGINEER WILL ASSIST CONTRACTOR WITH OBTAINING ACCESS TO THE REPAIR SITE FROM THE PROPERTY OWNER.
5. WORK ORDERS FOR SIMILAR TYPE WORK SUCH AS MANHOLE LINING (PLUG & WATERPROOFING) MAY BE ISSUED FOR ALL BASINS AT THE SAME TIME TO ASSIST CONTRACTOR IN SCHEDULING WORK WITH SUB-CONTRACTORS PERFORMING THIS WORK. HOWEVER, DURING THE COURSE OF THE PROJECT, ADDITIONAL WORK ORDERS FOR THIS TYPE OF WORK MAY BE REQUIRED TO BE ISSUED AS DEFECTS ARE IDENTIFIED.

SHEET NUMBER 9

MANHOLE REHABILITATION PLAN
MONITOR BASIN PS08 AND PS10

SEWER COLLECTION SYSTEM REHABILITATION
CITY OF OPELOUSAS
ST. LANDRY PARISH, LOUISIANA

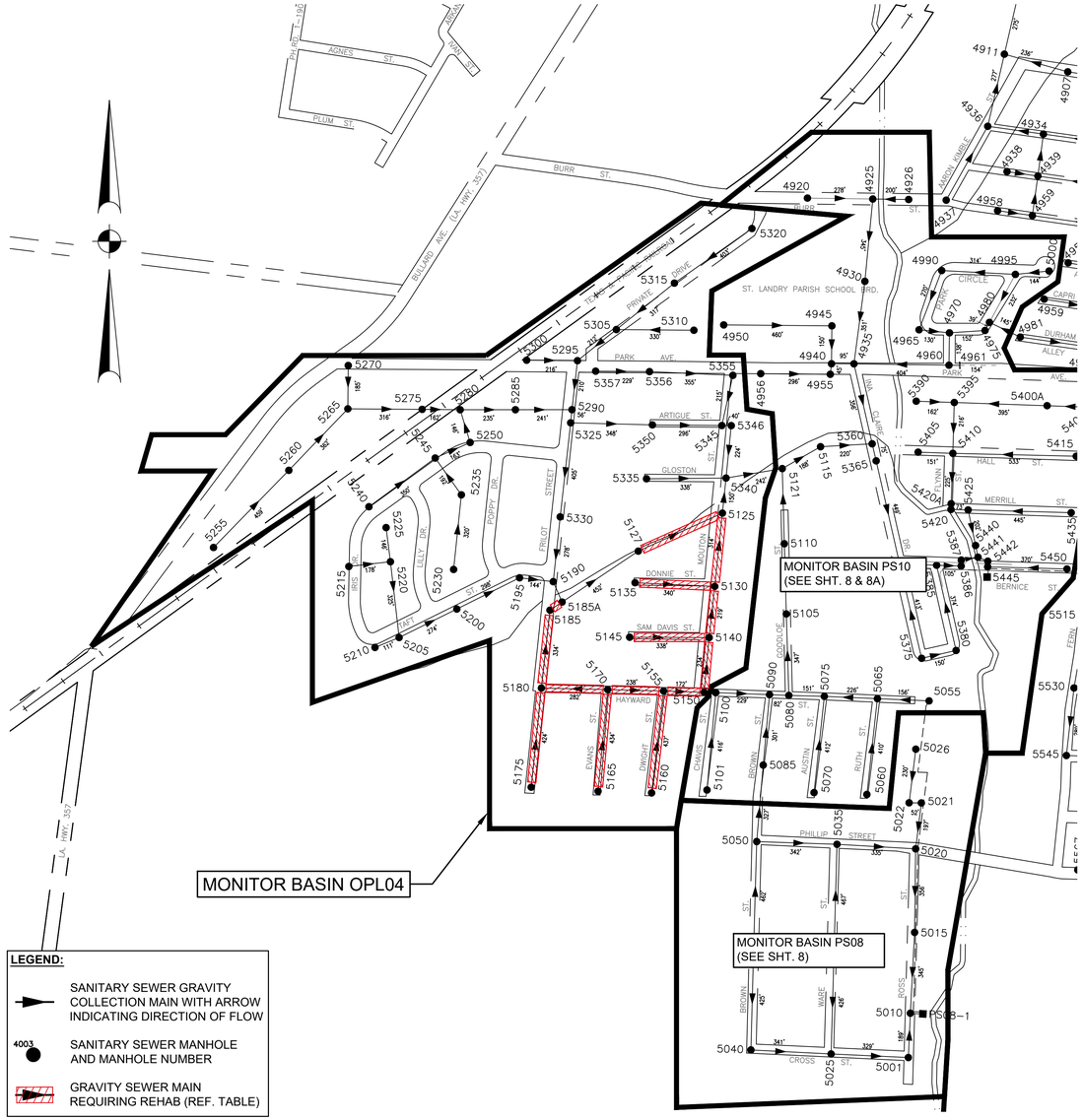
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DATE: 08-31-2026
DESIGNED BY: WHJ, III
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DRAWN BY: LPT

NO.	DATE	REVISION DESCRIPTION	BY

STATE OF LOUISIANA
William H. Jarrell, III
REG. No. 22819
REGISTERED PROFESSIONAL ENGINEER IN
CIVIL ENGINEER
08/31/2026

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MGA

PROJECT NO.
SC#251-3



WASTEWATER COLLECTION SYSTEM
MONITOR BASINS OPL04
SCALE: 1" = 300'

WASTEWATER COLLECTION SYSTEM REHABILITATION
MONITOR BASIN OPL04

WORK ORDER NO.	MONITOR BASIN	UP MH	DN MH	PIPE SIZE	PIPE TYPE	APPROX. DEPTH	SURFACE	REHAB. CODE	DESCRIPTION	COMMENTS
	OPL04	5127	5125	8"	VCP	8'	GRASS/DIRT	87	Dye Flood Line Segment	Suspected I/I
	OPL04	5130	5125	8"	VCP	7'	GRASS/DIRT	45, 78, 79	Repair Faulty Mainline Tap at 22' from MH5130. Replace Service Line to Property Line and Install Cleanout.	
	OPL04	5130	5125	8"	VCP	7'	GRASS/DIRT	45, 78, 79	Repair Faulty Mainline Tap at 141' from MH5130. Replace Service Line to Property Line and Install Cleanout.	
	OPL04	5130	5125	8"	VCP	7'	GRASS/DIRT	45, 78, 79	Repair Faulty Mainline Tap at 299' from MH5130. Replace Service Line to Property Line and Install Cleanout.	
	OPL04	5135	5130	8"	VCP	5.5'	ASPHALT	87	Dye Flood Ditches on Donnie Street	Suspected I/I
	OPL04	5135	5130	8"	VCP	5.5'	ASPHALT	45, 78, 79	Repair Faulty Mainline Tap at 9.5' from MH5135. Replace Service Line from Main to Property Line and Install Cleanout.	
	OPL04	5135	5130	8"	VCP	5.5'	ASPHALT	43	Point Repair at 323' – 333' from MH5135	
	OPL04	5140	5130	8"	VCP	6'	CONCRETE	45, 78, 79	Repair Faulty Mainline Tap at 55' from MH5140. Replace Service Line from Main to Property Line and Install Cleanout.	
	OPL04	5140	5130	8"	VCP	6'	CONCRETE	45, 78, 79	Repair Faulty Mainline Tap at 110' from MH5140 and Replace Service Line from Main to Property Line and Install Cleanout.	
	OPL04	5140	5130	8"	VCP	6'	CONCRETE	87	Dye Flood at Catch Basins (3 Total)	Suspected I/I
	OPL04	5145	5140	8"	VCP	5'	ASPHALT	87	Dye Flood Ditches on Sam Davis Street	Suspected I/I
	OPL04	5145	5140	8"	VCP	5'	ASPHALT	45, 78, 79	Repair Faulty Mainline Tap at 167' from MH5145. Replace Service Line to Property Line and Install Cleanout.	
	OPL04	5145	5140	8"	VCP	5'	ASPHALT	45, 78, 80	Repair Faulty Mainline Tap at 175' from MH5145. Replace Service Line to Property Line and Install Cleanout.	
	OPL04	5145	5140	8"	VCP	5'	ASPHALT	43	8" Point Repair at 195' from MH5145.	
	OPL04	5145	5140	8"	PVC	5'	ASPHALT	45, 78, 79	Repair Faulty Mainline Tap at 204' from MH5145. Replace Service Line to Property Line and Install Cleanout.	
	OPL04	5145	5140	8"	VCP	5'	ASPHALT	45, 78, 79	Repair Faulty Mainline Tap at 233' from MH5145. Replace Service Line to Property Line and Install Cleanout.	
	OPL04	5145	5140	8"	VCP	5'	ASPHALT	45, 78, 79	Repair Faulty Mainline Tap at 240' from MH5145. Replace Service Line to Property Line and Install Cleanout.	
	OPL04	5145	5140	8"	VCP	5'	ASPHALT	45, 78, 79	Repair Faulty Mainline Tap at 288' from MH5145. Replace Service Line to Property Line and Install Cleanout.	
	OPL04	5145	5140	8"	VCP	5'	ASPHALT	43	8" Point Repair at 325' from MH5145	Complete CCTV After Repair
	OPL04	5145	5140	8"	VCP	5'	ASPHALT	87	Dye Flood at Catch Basins at Intersection (2 Total)	Suspected I/I
	OPL04	5150	5140	8"	VCP	5'	GRASS/DIRT	45, 78, 79	Repair Faulty Mainline Tap at 144' from MH5150. Replace Service Line from Main to Property Line and Install Cleanout.	
	OPL04	5150	5140	8"	VCP	5'	GRASS/DIRT	87	Dye Flood at All Catch Basins (3 Total)	Suspected I/I
	OPL04	5155	5150	8"	VCP	6.5'	ASPHALT	43	8" Point Repair at 54' from MH5155	
	OPL04	5155	5150	8"	VCP	6.5'	ASPHALT	87	Dye Flood at Catch Basin (1 Total)	Suspected I/I
	OPL04	5160	5155	8"	VCP	5.5'	ASPHALT	87	Dye Flood at Catch Basins (4 Total)	Suspected I/I
	OPL04	5160	5155	8"	VCP	5.5'	ASPHALT	45, 78, 79	Repair Faulty Mainline Tap at 128' from MH5160. Replace Service Line from Main to Property Line and Install Cleanout.	
	OPL04	5165	5170	8"	VCP	4'	ASPHALT	87	Dye Flood at Catch Basins (4 Total)	Suspected I/I
	OPL04	5170	5155	8"	PVC	5'	ASPHALT	87	Dye Flood at Catch Basin (1 Total)	Suspected I/I
	OPL04	5170	5180	8"	PVC	5'	ASPHALT	87	Dye Flood at Cross Drain at Friot Street. Mainline Tap at 134' from MH5170.	Suspected I/I
	OPL04	5175	5180	8"	RCP	5'	ASPHALT	45, 78, 79	Repair Faulty Mainline Taps (Estimated 13 Total) – Replace Service Line from Main to Property Line and Install Cleanouts for Each.	Defective Service Taps at 9.5', 25', 39.5', 52', 79', 141', 194', 198', 231', 238', 284', 338', and 385' from MH5175. Do Not Restore Inactive Sevices
	OPL04	5175	5180	8"	RCP	5'	ASPHALT	78, 79, 693	Install 8" CIPP Liner (424') and Restore Services. (Estimated 17 Total)	Do Not Restore Inactive Services.
	OPL04	5180	5185	8"	VCP	4'	ASPHALT	87	Dye Flood at Catch Basins (2 Total)	Suspected I/I at Taps 48' and 181' from MH5180
	OPL04	5185	5185A	8"	VCP	3'	GRASS/DIRT	693	Install 8" CIPP Liner (60')	

GENERAL NOTES:

1. THE MAINLINE REHABILITATION WORK SHOWN IN THE CHARTS WAS OBTAINED FROM INFORMATION OBTAINED FROM MAINLINE CCTV INSPECTIONS PERFORMED FOR THE CITY OF OPELOUSAS DURING THE PERIOD FROM MARCH 2025 – MARCH 2026.
2. THE CHARTS PROVIDE A REHAB CODE THAT REFERS TO THE REHAB DESCRIPTION OF THE WORK TO BE PERFORMED (A REHAB CODE LIST IS PROVIDED ON PLAN SHEET 3). THE WORK ORDER ISSUED WILL PROVIDE MORE DETAILED INFORMATION OUTLINING THE SPECIFIC WORK TO BE PERFORMED FOR EACH REPAIR. CONTRACTOR'S ATTENTION IS CALLED TO DIVISION 1, SECTION 01025 OF THE TECHNICAL SPECIFICATIONS FOR INFORMATION REGARDING MEASUREMENT AND PAYMENT FOR EACH BID ITEM INCLUDED IN THE BID FORM.
3. A WORK ORDER WILL BE ISSUED TO SMOKE TEST ALL LINE SEGMENTS IN MONITOR BASIN OPL04 FOLLOWING COMPLETION OF MONITOR BASINs PS08 AND PS10. UPON COMPLETION OF THE SMOKE TESTING FOR EACH BASIN, CONTRACTOR TO PROVIDE ENGINEER WITH COPIES OF THE SMOKE TEST DELIVERABLES IN ACCORDANCE WITH SECTION 02957 OF THE SPECIFICATIONS.
4. UPON REVIEW AND EVALUATION OF THE SMOKE TEST RESULTS, ENGINEER WILL ISSUE A WORK ORDER FOR EACH REPAIR TO BE PERFORMED IN THE MONITOR BASIN.
5. IN MANY LOCATIONS, THE REPAIR WORK WILL BE IN EASEMENTS ON PRIVATE PROPERTY WHERE ACCESS WILL BE LIMITED OR REQUIRE SPECIAL CONSIDERATION. OWNER AND ENGINEER WILL ASSIST CONTRACTOR WITH OBTAINING ACCESS TO THE REPAIR SITE FROM THE PROPERTY OWNER.
6. IT IS ENGINEER'S INTENTION TO ISSUE WORK ORDERS FOR MAINLINE AND SERVICE LINE POINT REPAIRS AT THE SAME TIME SO THAT THE EXCAVATION WORK FOR REPAIRS IN THE SAME AREA CAN BE PERFORMED AT THE SAME GENERAL TIME. THIS WILL HELP TO MINIMIZE DISTURBANCE TO AFFECTED PROPERTY OWNERS.
7. WORK ORDERS FOR SIMILAR TYPE WORK SUCH AS MAINLINE (CIPP), PIPE BURSTING, OR MANHOLE (PLUG & WATERPROOFING) LINING MAY BE ISSUED FOR ALL BASINS AT THE SAME TIME TO ASSIST CONTRACTOR IN SCHEDULING WORK WITH SUB-CONTRACTORS PERFORMING THIS WORK. HOWEVER, DURING THE COURSE OF THE PROJECT, ADDITIONAL WORK ORDERS FOR THIS TYPE OF WORK MAY BE REQUIRED TO BE ISSUED AS DEFECTS ARE IDENTIFIED.
8. WHERE PIPE BURSTING IS CALLED FOR ON THE PLANS, AFTER THE PIPE IS INSTALLED, TESTED, AND READY FOR OPERATION, EACH SERVICE IS TO BE RESTORED AND PAID FOR UNDER TE BID ITEMS FOR MAINLINE POINT REPAIR AND REPAIR FAULTY MAINLINE TAP. SERVICE LINE INSTALLED WILL BE PAID FOR BY THE LINEAR FOOT AT THE UNIT PRICE PROVIDED IN THE BID.

SHEET NUMBER 10

MAINLINE REHABILITATION PLAN
MONITOR BASIN OPL04

SEWER COLLECTION SYSTEM REHABILITATION
CITY OF OPELOUSAS
ST. LANDRY PARISH, LOUISIANA

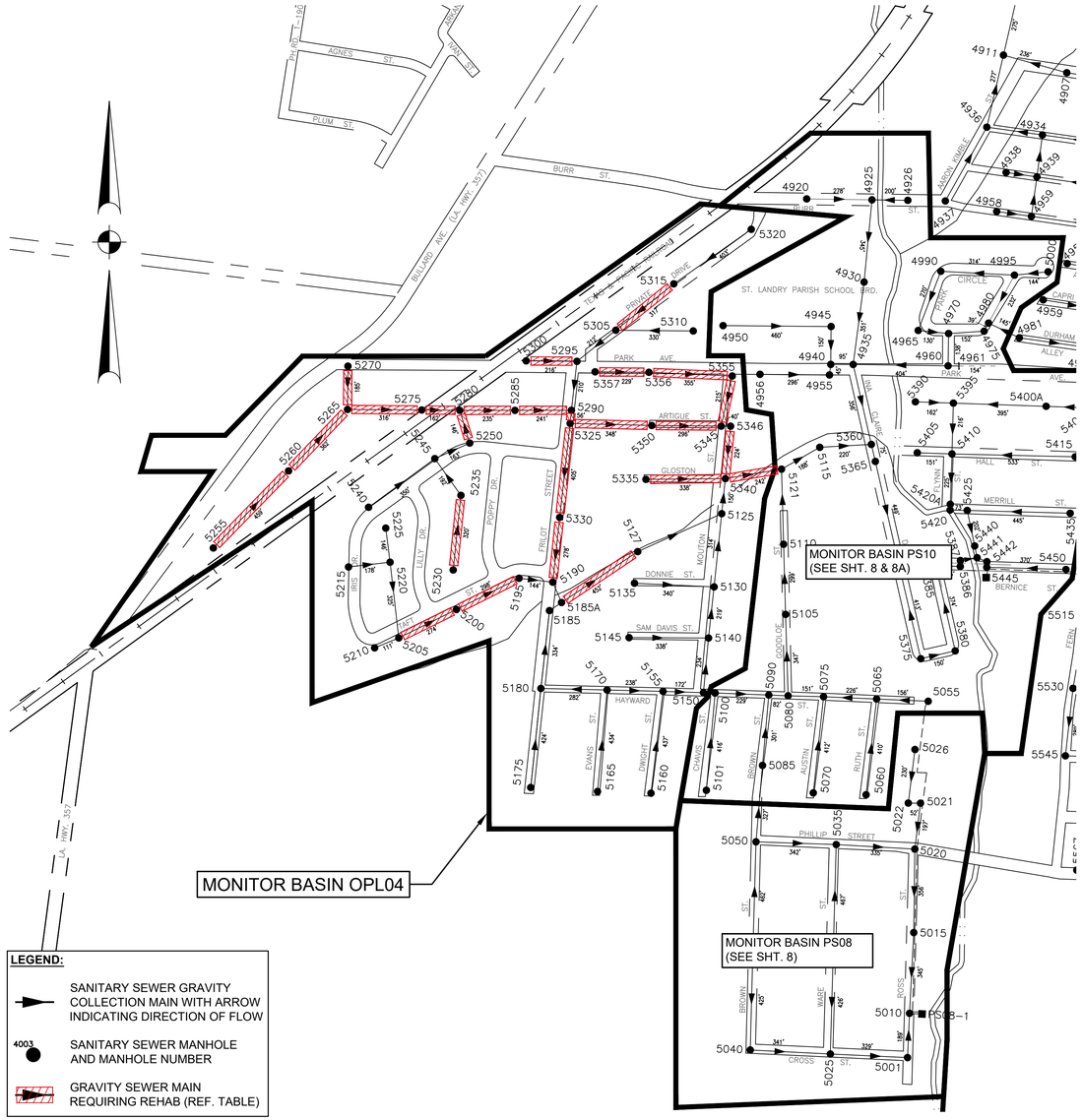
SCALE: 1" = 300'
DATE: 08-31-2026
DESIGNED BY: WHJ, III
CHECKED BY: WHJ, III
DRAWN BY: LPT

NO.	REVISION DESCRIPTION	DATE	BY

STATE OF LOUISIANA
William H. Jarrell, III
REG. No. 22819
REGISTERED PROFESSIONAL ENGINEER
IN
ENGINEERING
08/31/2026

Morgan Goudeau & Associates
CIVIL ENGINEERS - LAND SURVEYORS
1703 West Landry Street, Opelousas, LA 70570
Phone: 337-948-4222 www.morgangoudeau.com

PROJECT NO.
SC#251-3



WASTEWATER COLLECTION SYSTEM
MONITOR BASINS OPL04
SCALE: 1" = 300'

WASTEWATER COLLECTION SYSTEM REHABILITATION
MONITOR BASIN OPL04

WORK ORDER NO.	MONITOR BASIN	UP MH	DN MH	PIPE SIZE	PIPE TYPE	APPROX. DEPTH	SURFACE	REHAB. CODE	DESCRIPTION	COMMENTS
	OPL04	5200	5195	8"	PVC	6.5'	GRASS/DIRT		Smoke Test Line Segment; Taps at 5' and 111' from MH5200	Suspected I/I
	OPL04	5205	5200	8"	PVC	6'	GRASS/DIRT	45, 78, 79	Repair Faulty Mainline Tap @ 67' from MH 5205. Replace Service Line to Property Line and Install Cleanout.	
	OPL04	5230	5235	8"	PVC	4.5'	GRASS/DIRT	45, 78, 79	Repair Faulty Mainline Tap @ 170' from MH 5230. Replace Service Line to Property Line and Install Cleanout.	Remove Obstruction (Metal Bar)
	OPL04	5250	5280					85	CCTV Inspect Mainline Segment.	Mainline Segment Not Inspected During Prior SSES Work; CNL Manhole.
	OPL04	5255	5260					85	CCTV Inspect Mainline Segment.	Mainline Segment Not Inspected During Prior SSES Work; CNL Manhole.
	OPL04	5260	5265					85	CCTV Inspect Mainline Segment.	Mainline Segment Not Inspected During Prior SSES Work; CNL Manhole.
	OPL04	5265	5275					85	CCTV Inspect Mainline Segment.	Mainline Segment Not Inspected During Prior SSES Work; CNL Manhole.
	OPL04	5270	5265					85	CCTV Inspect Mainline Segment.	Mainline Segment Not Inspected During Prior SSES Work; CNL Manhole.
	OPL04	5275	5280					85	CCTV Inspect Mainline Segment.	Mainline Segment Not Inspected During Prior SSES Work; CNL Manhole.
	OPL04	5280	5285	8"	VCP		GRASS/DIRT	43	8" Point Repair at 160' to 177' from MH5285.	
	OPL04	5285	5290	8"	PVC	9'	GRASS/DIRT	45, 78, 79	Repair Faulty Mainline Tap at 188' from MH5290. Replace Service Line to Property Line and Install Cleanout.	Large Amount of Grease from Convenience Store.
	OPL04	5290	5325	8"	VCP	9'	ASPHALT	87	Dye Flood at Cross Drain Catch Basins Adjacent to MH5290 (2 Total)	Suspected I/I
	OPL04	5300	5295	8"	PVC	9.5'	GRASS/DIRT	45, 78, 79	Repair Faulty Mainline Tap at 136' from MH5300. Replace Service Line from Main to Property Line and Install Cleanout.	
	OPL04	5315	5305	8"	PVC	10'	GRASS/DIRT	45, 78, 79	Repair Faulty Mainline Tap at 144' from MH5315. Replace Service Line from Main to Property Line and Install Cleanout.	
	OPL04	5325	5330	8"	VCP	9'	ASPHALT	43, 78, 79	8" Point Repair at 39' – 43' and Restore Service Line and Tap. Replace Service Line from Main to Property Line and Install Cleanout.	
	OPL04	5325	5330	8"	VCP	9'	ASPHALT	45, 78, 79	Repair Faulty Mainline Tap at 74' from MH5325. Replace Service Line from Main to Property Line and Install Cleanout.	
	OPL04	5325	5330	8"	VCP	10'	ASPHALT	45, 78, 79	Repair Faulty Mainline Tap at 320' from MH5325. Replace Service Line from Main to Property Line and Install Cleanout.	
	OPL04	5325	5330	8"	VCP	10'	ASPHALT	45, 78, 79	Repair Faulty Mainline Tap at 400' from MH5325. Replace Service Line from Main to Property Line and Install Cleanout.	
	OPL04	5325	5350	8"	VCP	10.5'	GRASS/DIRT	43	8" Point Repair @ 39' from MH 5325	
	OPL04	5325	5350	8"	VCP	10.5'	GRASS/DIRT	45, 78, 79	Repair Faulty Mainline Tap at 165' from MH5325. Replace Service Line from Main to Property Line and Install Cleanout.	
	OPL04	5325	5350	8"	VCP	10.5'	GRASS/DIRT	45, 78, 79	Repair Faulty Mainline Tap at 329' from MH5325. Replace Service Line from Main to Property Line and Install Cleanout.	
	OPL04	5330	5190	8"	VCP	4'	ASPHALT	45, 78, 79	Repair Faulty Mainline Taps (4 Total). Replace Service Line from Main to Property Line and Install Cleanouts for Each.	Defective Service Taps at 17', 165', 188', and 216' from MH5330.
	OPL04	5335	5340	8"	VCP	6'	ASPHALT	87	Dye Flood Ditches on Gloston Street	Suspected I/I
	OPL04	5335	5340	8"	VCP	6'	ASPHALT	45, 78, 79	Repair Faulty Mainline Taps (2 Total). Replace Service Line from Main to Property Line and Install Cleanouts for Each.	Defective Service Taps at 63' and 204' from MH5335. Dye Flood Prior to Repairs
	OPL04	5340	5121	8"	VCP	6'	GRASS/DIRT	693	Install 8" CIPP Liner (230')	No Services
	OPL04	5346	5340	8"	VCP	6'	GRASS/DIRT	45, 78, 79	Repair Faulty Mainline Tap at 76' from MH5340. Replace Service Line from Main to Property Line and Install Cleanout.	
	OPL04	5346	5340	8"	VCP	6'	GRASS/DIRT	45, 78, 79	Repair Faulty Mainline Tap at 161' from MH5340. Replace Service Line from Main to Property Line and Install Cleanout.	
	OPL03	5350	5345	8"	VCP	10'	GRASS/DIRT	87	Dye Flood Ditches on Artiugue Street	Suspected I/I
	OPL04	5350	5345	8"	VCP	10'	GRASS/DIRT	45, 78, 79	Repair Faulty Mainline Taps (5 Total). Replace Service Line from Main to Property Line and Install Cleanouts for Each.	Defective Service Taps at 107', 135', 210', 252', and 276' from MH5350. Dye Flood Prior to Repairs to Confirm I/I
	OPL04	5355	5345	8"	VCP	6.5'	ASPHALT	45, 78, 79	Repair Faulty Tap at 68' from MH5355. Replace Service Line from Main to Property Line and Install Cleanout.	Suspected I/I
	OPL04	5356	5355	8"	VCP	5'	SIDEWALK	78, 79, 696	8" Pipe Burst (355') and Restore Services (Estimated 5) – Replace Service Lines from Main to Property Line and Install Cleanouts for Each.	
	OPL04	5357	5356	8"	VCP	4'	SIDEWALK	78, 79, 696	8" Pipe Burst (233') and Restore Services (5 Total) – Replace Service Lines from Main to Property Line and Install Cleanouts for Each.	
	OPL04	5185A	5127	8"	VCP	3'	GRASS/DIRT	78, 79, 693	Install 8" CIPP Liner (366')	Tap at 5' from MH5185A; Do Not Restore Tap Unless Connected to a House – Verify in Field.

GENERAL NOTES:

1. THE MAINLINE REHABILITATION WORK SHOWN IN THE CHARTS WAS OBTAINED FROM INFORMATION OBTAINED FROM MAINLINE CCTV INSPECTIONS PERFORMED FOR THE CITY OF OPELOUSAS DURING THE PERIOD FROM MARCH 2025 – MARCH 2026.
2. THE CHARTS PROVIDE A REHAB CODE THAT REFERS TO THE REHAB DESCRIPTION OF THE WORK TO BE PERFORMED (A REHAB CODE LIST IS PROVIDED ON PLAN SHEET 3). THE WORK ORDER ISSUED WILL PROVIDE MORE DETAILED INFORMATION OUTLINING THE SPECIFIC WORK TO BE PERFORMED FOR EACH REPAIR. CONTRACTOR'S ATTENTION IS CALLED TO DIVISION 1, SECTION 01025 OF THE TECHNICAL SPECIFICATIONS FOR INFORMATION REGARDING MEASUREMENT AND PAYMENT FOR EACH BID ITEM INCLUDED IN THE BID FORM.
3. A WORK ORDER WILL BE ISSUED TO SMOKE TEST ALL LINE SEGMENTS IN MONITOR BASIN OPL04 FOLLOWING COMPLETION OF MONITOR BASINS PS08 AND PS10. UPON COMPLETION OF THE SMOKE TESTING FOR EACH BASIN, CONTRACTOR TO PROVIDE ENGINEER WITH COPIES OF THE SMOKE TEST DELIVERABLES IN ACCORDANCE WITH SECTION 02957 OF THE SPECIFICATIONS.
4. UPON REVIEW AND EVALUATION OF THE SMOKE TEST RESULTS, ENGINEER WILL ISSUE A WORK ORDER FOR EACH REPAIR TO BE PERFORMED IN THE MONITOR BASIN.
5. IN MANY LOCATIONS, THE REPAIR WORK WILL BE IN EASEMENTS ON PRIVATE PROPERTY WHERE ACCESS WILL BE LIMITED OR REQUIRE SPECIAL CONSIDERATION. OWNER AND ENGINEER WILL ASSIST CONTRACTOR WITH OBTAINING ACCESS TO THE REPAIR SITE FROM THE PROPERTY OWNER.
6. IT IS ENGINEER'S INTENTION TO ISSUE WORK ORDERS FOR MAINLINE AND SERVICE LINE POINT REPAIRS AT THE SAME TIME SO THAT THE EXCAVATION WORK FOR REPAIRS IN THE SAME AREA CAN BE PERFORMED AT THE SAME GENERAL TIME. THIS WILL HELP TO MINIMIZE DISTURBANCE TO AFFECTED PROPERTY OWNERS.
7. WORK ORDERS FOR SIMILAR TYPE WORK SUCH AS MAINLINE (CIPP), PIPE BURSTING, OR MANHOLE (PLUG & WATERPROOFING) LINING MAY BE ISSUED FOR ALL BASINS AT THE SAME TIME TO ASSIST CONTRACTOR IN SCHEDULING WORK WITH SUB-CONTRACTORS PERFORMING THIS WORK. HOWEVER, DURING THE COURSE OF THE PROJECT, ADDITIONAL WORK ORDERS FOR THIS TYPE OF WORK MAY BE REQUIRED TO BE ISSUED AS DEFECTS ARE IDENTIFIED.
8. WHERE PIPE BURSTING IS CALLED FOR ON THE PLANS, AFTER THE PIPE IS INSTALLED, TESTED, AND READY FOR OPERATION, EACH SERVICE IS TO BE RESTORED AND PAID FOR UNDER TE BID ITEMS FOR MAINLINE POINT REPAIR AND REPAIR FAULTY MAINLINE TAP. SERVICE LINE INSTALLED WILL BE PAID FOR BY THE LINEAR FOOT AT THE UNIT PRICE PROVIDED IN THE BID.

SHEET NUMBER 10A

MAINLINE REHABILITATION PLAN
MONITOR BASIN OPL04

SEWER COLLECTION SYSTEM REHABILITATION
CITY OF OPELOUSAS
ST. LANDRY PARISH, LOUISIANA

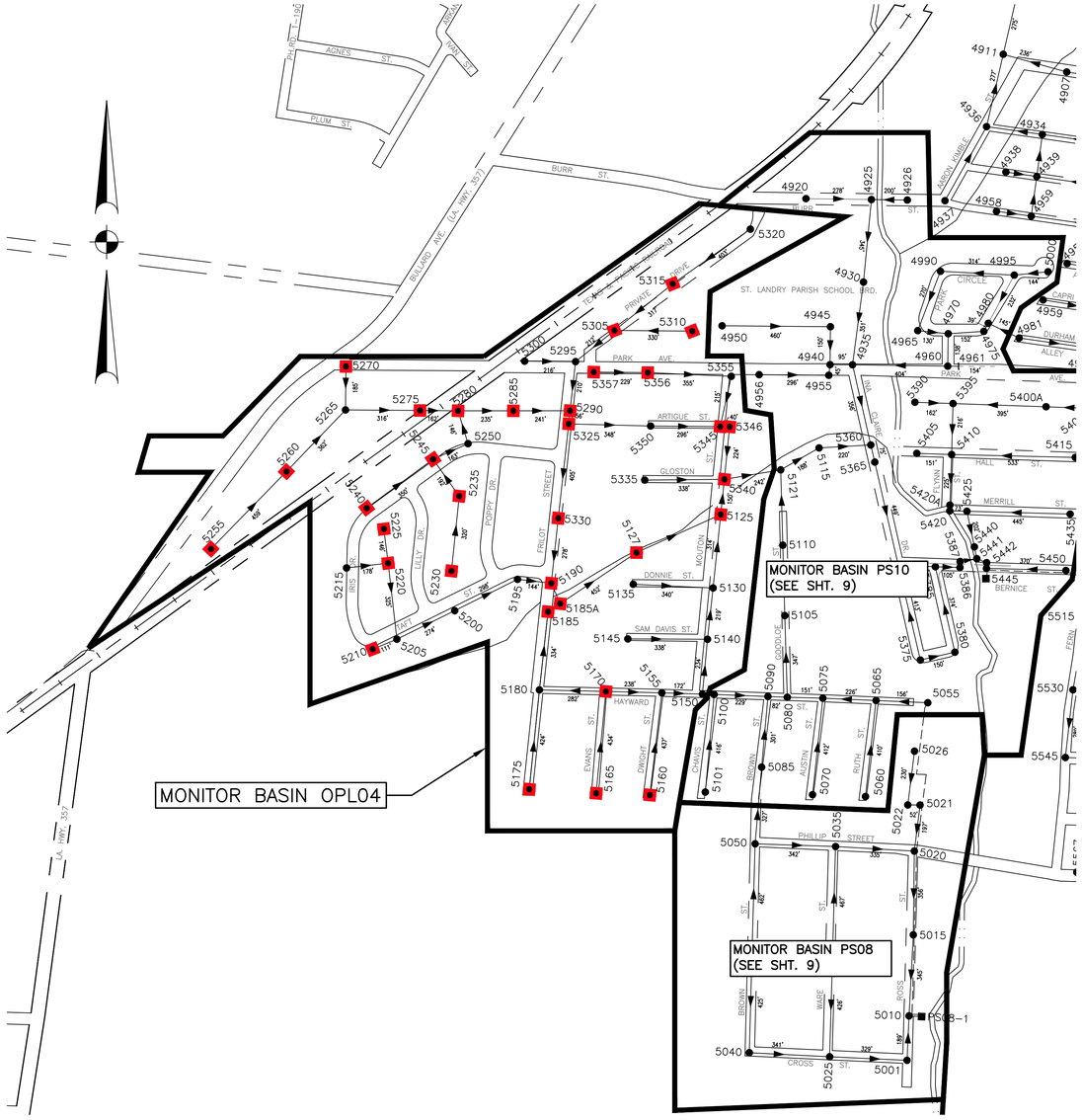
SCALE: 1" = 300'
DATE: 08-31-2026
DESIGNED BY: WHJ, III
CHECKED BY: WHJ, III
DRAWN BY: LPT

NO.	DATE	REVISION DESCRIPTION	BY

STATE OF LOUISIANA
William H. Jarrell, III
REG. No. 22819
REGISTERED PROFESSIONAL ENGINEER IN
ENGINEERING
08/31/2026

Morgan Goudeau & Associates
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MGA

PROJECT NO.
SC#251-3



WASTEWATER COLLECTION SYSTEM
MONITOR BASINS OPL04
SCALE: 1" = 300'

MANHOLE REHABILITATION TABLE
MONITOR BASIN OPL04

WORK ORDER NO.	BASIN ID	MANHOLE NO.	DEPTH (V.F.)	LOCATED / INSPECTED	LOCATION SURFACE	REHAB CODES	REHAB DESCRIPTION	COMMENTS
	OPL04	5125	8.4'	Y/Y	GRASS/DIRT	2, 4	Replace Manhole Cover With New Retrofit Cover.	See Retrofit Cover Detail.
	OPL04	5127		N/N		2, 4	Replace Manhole Cover With New Retrofit Cover.	See Retrofit Cover Detail.
	OPL04	5127		N/N		36	Locate Manhole and Raise to Grade; Inspect for Additional Rehabilitation Work.	Manhole Not Located/Inspected During Prior SSES Work.
	OPL04	5160	4.2'	Y/Y	ASPHALT	6	Replace Manhole Frame and Cover With New Composite Frame and Cover.	See Composite Frame and Cover Detail.
	OPL04	5165	4.4'	Y/Y	ASPHALT	6	Replace Manhole Frame and Cover With New Composite Frame and Cover.	See Composite Frame and Cover Detail.
	OPL04	5175	5.1'	Y/Y	GRASS/DIRT	27	Seal Joint and Cracks in Manhole.	
	OPL04	5175	5.1'	Y/Y	GRASS/DIRT	6	Replace Manhole Frame and Cover With New Composite Frame and Cover.	See Composite Frame and Cover Detail.
	OPL04	5185	3.9'	Y/Y	ASPHALT	2, 4	Replace Manhole Cover With New Retrofit Cover.	See Retrofit Cover Detail.
	OPL04	5185A	6.2'	Y/Y	GRASS/DIRT	2, 4	Replace Manhole Cover With New Retrofit Cover.	See Retrofit Cover Detail.
	OPL04	5190	3.8'	Y/Y	ASPHALT	2, 4	Replace Manhole Cover With New Retrofit Cover.	See Retrofit Cover Detail.
	OPL04	5210		N/N		36	Locate Manhole and Raise to Grade; Inspect for Additional Rehabilitation Work.	Manhole Not Located/Inspected During Prior SSES Work.
	OPL04	5220		N/N		2, 4, 36	Locate Manhole and Raise to Grade; Inspect for Additional Rehabilitation Work. Replace Manhole Cover With New Retrofit Cover.	Manhole Not Located/Inspected During Prior SSES Work. See Retrofit Cover Detail.
	OPL04	5225		N/N		2, 4, 36	Locate Manhole and Raise to Grade; Inspect for Additional Rehabilitation Work. Replace Manhole Cover With New Retrofit Cover.	Manhole Not Located/Inspected During Prior SSES Work. See Retrofit Cover Detail.
	OPL04	5230	4'	Y/Y	GRASS/DIRT	6	Replace Manhole Frame and Cover With New Composite Frame and Cover.	See Composite Frame and Cover Detail.
	OPL04	5235	6.1'	Y/Y	GRASS/DIRT	6	Replace Manhole Frame and Cover With New Composite Frame and Cover.	See Composite Frame and Cover Detail.
	OPL04	5240	5.9'	Y/Y	GRASS/DIRT	2, 4	Replace Manhole Cover With New Retrofit Cover.	See Retrofit Cover Detail.
	OPL04	5245	7.9'	Y/Y	GRASS/DIRT	9	Grout/Seal Manhole Frame.	
	OPL04	5255		N/N		36	Locate Manhole and Raise to Grade; Inspect for Additional Rehabilitation Work.	Manhole Not Located/Inspected During Prior SSES Work.
	OPL04	5260		N/N		36	Locate Manhole and Raise to Grade; Inspect for Additional Rehabilitation Work.	Manhole Not Located/Inspected During Prior SSES Work.
	OPL04	5270		N/N		36	Locate Manhole and Raise to Grade; Inspect for Additional Rehabilitation Work.	Manhole Not Located/Inspected During Prior SSES Work.
	OPL04	5275	8.1'	Y/Y	GRASS/DIRT	2, 4	Replace Manhole Cover With New Retrofit Cover.	See Retrofit Cover Detail.
	OPL04	5280		N/N		2, 4	Replace Manhole Cover With New Retrofit Cover.	See Retrofit Cover Detail.
	OPL04	5280		N/N		36	Locate Manhole and Raise to Grade; Inspect for Additional Rehabilitation Work.	Manhole Not Located/Inspected During Prior SSES Work.
	OPL04	5285		N/N		2, 4	Replace Manhole Cover With New Retrofit Cover.	See Retrofit Cover Detail.
	OPL04	5285		N/N		36	Locate Manhole and Raise to Grade; Inspect for Additional Rehabilitation Work.	Manhole Not Located/Inspected During Prior SSES Work.
	OPL04	5290	10.3'	Y/Y	ASPHALT	2, 4	Replace Manhole Cover With New Retrofit Cover.	See Retrofit Cover Detail.
	OPL04	5305	10.6'	Y/Y	ASPHALT	27	Plug and Waterproof Coat Entire Manhole.	
	OPL04	5310		N/N		2, 4	Replace Manhole Cover With New Retrofit Cover.	See Retrofit Cover Detail.
	OPL04	5310		N/N		36	Locate Manhole and Raise to Grade; Inspect for Additional Rehabilitation Work.	Manhole Not Located/Inspected During Prior SSES Work.
	OPL04	5315		N/N		36	Locate Manhole and Raise to Grade; Inspect for Additional Rehabilitation Work.	Manhole Not Located/Inspected During Prior SSES Work.
	OPL04	5325	10.6'	Y/Y	ASPHALT	2, 4	Replace Manhole Cover With New Retrofit Cover.	See Retrofit Cover Detail.
	OPL04	5330	5.9'	Y/Y	ASPHALT	2, 4	Replace Manhole Cover With New Retrofit Cover.	See Retrofit Cover Detail.
	OPL04	5340	7.3'	Y/Y	GRASS/DIRT	8	Raise Manhole to Grade.	
	OPL04	5340	7.3'	Y/Y	GRASS/DIRT	6	Replace Manhole Frame and Cover With New Composite Frame and Cover.	See Composite Frame and Cover Detail.
	OPL04	5345	9.1'	Y/Y	GRASS/DIRT	32	Rebuild Manhole Channel.	
	OPL04	5345	9.1'	Y/Y	GRASS/DIRT	6	Replace Manhole Frame and Cover With New Composite Frame and Cover.	See Composite Frame and Cover Detail.

GENERAL NOTES:

1. THE MANHOLE REHABILITATION WORK SHOWN IN THE CHARTS WAS OBTAINED FROM INFORMATION OBTAINED FROM MANHOLE INSPECTIONS PERFORMED FOR THE CITY OF OPELOUSAS DURING THE PERIOD FROM MARCH 2025 – MARCH 2026.
2. THE CHARTS PROVIDE A REHAB CODE THAT REFERS TO THE REHAB DESCRIPTION OF THE WORK TO BE PERFORMED (A REHAB CODE LIST IS PROVIDED ON PLAN SHEET 3). THE WORK ORDER ISSUED WILL PROVIDE MORE DETAILED INFORMATION OUTLINING THE SPECIFIC WORK TO BE PERFORMED FOR EACH REPAIR. CONTRACTOR'S ATTENTION IS CALLED TO DIVISION 1, SECTION 01025 OF THE TECHNICAL SPECIFICATIONS FOR INFORMATION REGARDING MEASUREMENT AND PAYMENT FOR EACH BID ITEM INCLUDED IN THE BID FORM.
3. IN SOME LOCATIONS, THE MANHOLE WAS UNABLE TO BE LOCATED AND INSPECTED BY THE ENGINEER. IN THESE CASES, THE ENGINEER WILL ISSUE A WORK ORDER TO TV THE MAINLINE TO GET A MEASUREMENT TO THE UNLOCATED MANHOLE. OTHER METHODS OF LOCATING THE MANHOLE SUCH AS SMOKE TESTING MAY ALSO BE UTILIZED. ATTEMPTS WILL BE MADE BY THE CONTRACTOR IN COORDINATION WITH THE ENGINEER'S REPRESENTATIVE TO LOCATE AND OPEN THE MANHOLE TO ALLOW FOR THE ENGINEER'S REPRESENTATIVE TO INSPECT THE MANHOLE FOR DEFECTS. AFTER INSPECTION OF THE MANHOLE BY ENGINEER'S REPRESENTATIVE, IF DEFECTS ARE IDENTIFIED, CONTRACTOR WILL BE ISSUED A WORK ORDER TO MAKE NECESSARY REPAIRS TO THE MANHOLE.
4. IN MANY LOCATIONS, THE MANHOLE WILL BE IN EASEMENTS ON PRIVATE PROPERTY WHERE ACCESS WILL BE LIMITED OR REQUIRE SPECIAL CONSIDERATION. OWNER AND ENGINEER WILL ASSIST CONTRACTOR WITH OBTAINING ACCESS TO THE REPAIR SITE FROM THE PROPERTY OWNER.
5. WORK ORDERS FOR SIMILAR TYPE WORK SUCH AS MANHOLE LINING (PLUG & WATERPROOFING) MAY BE ISSUED FOR ALL BASINS AT THE SAME TIME TO ASSIST CONTRACTOR IN SCHEDULING WORK WITH SUB-CONTRACTORS PERFORMING THIS WORK. HOWEVER, DURING THE COURSE OF THE PROJECT, ADDITIONAL WORK ORDERS FOR THIS TYPE OF WORK MAY BE REQUIRED TO BE ISSUED AS DEFECTS ARE IDENTIFIED.

SHEET NUMBER 11

MANHOLE REHABILITATION PLAN
MONITOR BASIN OPL04

SEWER COLLECTION SYSTEM REHABILITATION
CITY OF OPELOUSAS
ST. LANDRY PARISH, LOUISIANA

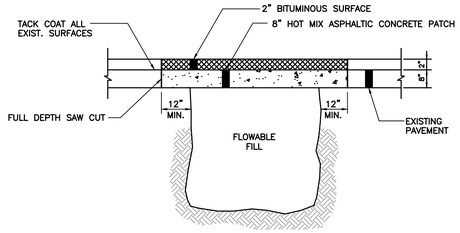
SCALE: 1" = 300'
DATE: 08-31-2026
DESIGNED BY: WHJ, III
CHECKED BY: WHJ, III
DRAWN BY: LPT

NO.	DATE	REVISION DESCRIPTION	BY

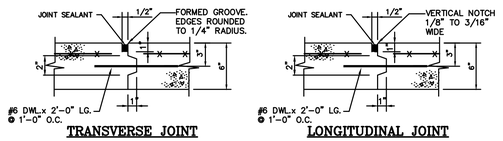
STATE OF LOUISIANA
William H. Jarrell, III
REG. No. 22819
REGISTERED PROFESSIONAL ENGINEER IN ENGINEERING
08/31/2026

Morgan Goudeau & Associates
CIVIL ENGINEERS - LAND SURVEYORS
1703 West Landry Street, Opelousas, LA 70570
Phone: 337-948-4222 www.morgangoudeau.com
MGA

PROJECT NO.
SC#251-3

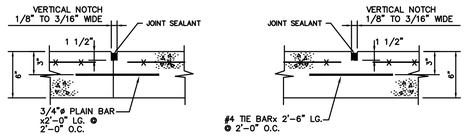


TYPICAL ASPHALT PAVEMENT RESTORATION
NTS



TRANSVERSE JOINT | LONGITUDINAL JOINT

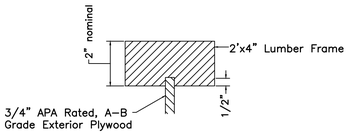
CONSTRUCTION JOINT (CJ)
(WHERE REQUIRED)
NTS



TRANSVERSE JOINT | LONGITUDINAL DUMMY JOINT

CONTROL JOINT (CJ)
(WHERE REQUIRED)
NTS

Note: All lettering shall be Green PMS 575 except as noted. Spacing between lines shall be 1" except as noted.



SECTION A-A



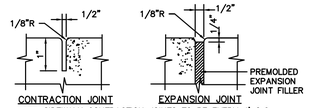
NOTE: REF. SECTION 01580 OF TECHNICAL SPECIFICATIONS.

CWSRF PROJECT SIGN
ELEVATION (NOT TO SCALE)

NOTE:

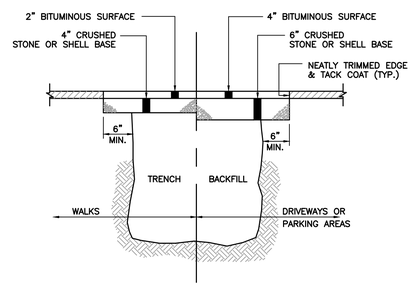
1. CONCRETE DESIGN COMPRESSIVE STRENGTH 3500 PSI @ 48 HOURS

TYPICAL CONCRETE PAVEMENT RESTORATION
NTS

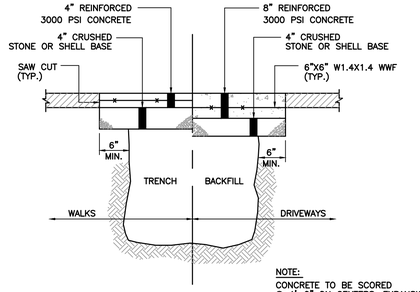


NOTE: SIDEWALK CONTRACTION JOINTS TO BE EVERY 4' O.C. WITH EXPANSION JOINTS EVERY 20' O.C.

SIDEWALK JOINTS
NTS



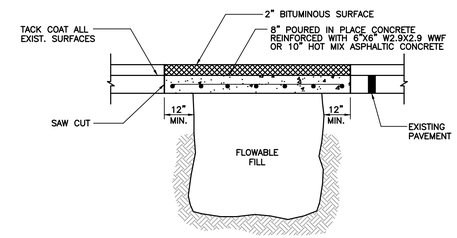
BITUMINOUS



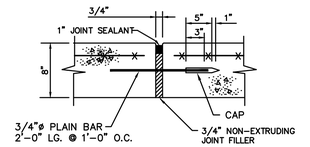
NOTE:
CONCRETE TO BE SCORED @ 4'-0" ON CENTERS, EXPANSION JOINTS @ 28'-0" ON CENTER.

CONCRETE

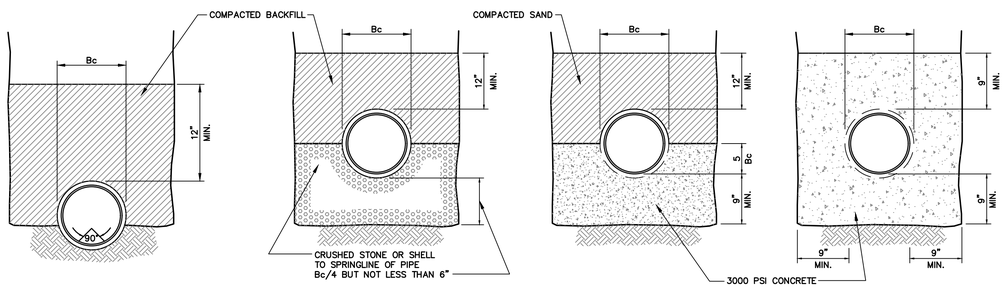
MISCELLANEOUS RESTORATION
NTS



STATE ROAD RESTORATION
NTS



TRANSVERSE EXPANSION JOINT (EJ)
NTS



TYPICAL BEDDING DETAILS
NTS

SHEET NUMBER 12

TYPICAL DETAILS

SEWER COLLECTION SYSTEM REHABILITATION
CITY OF OPELOUSAS
ST. LANDRY PARISH, LOUISIANA

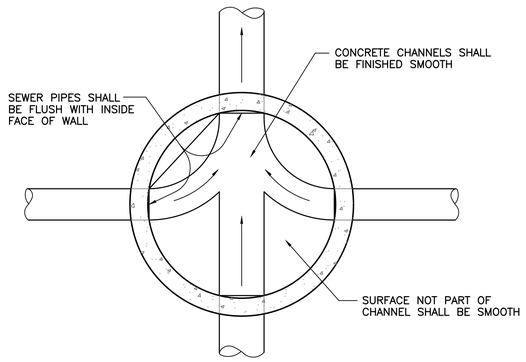
SCALE: AS SHOWN
DATE: 08-31-2026
DESIGNED BY: WHJ, III
CHECKED BY: WHJ, III
DRAWN BY: LPT

NO.	DATE	REVISION DESCRIPTION	BY

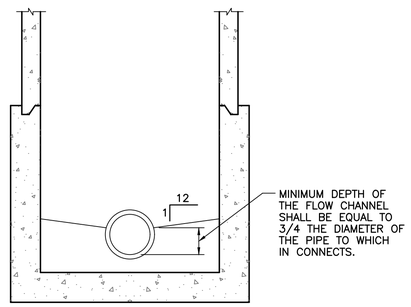
STATE OF LOUISIANA
William H. Jarrell, III
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IN
CIVIL ENGINEER
08/31/2026

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PROJECT NO.
SC#251-3

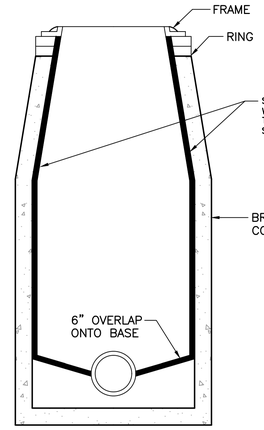


TYPICAL SECTION

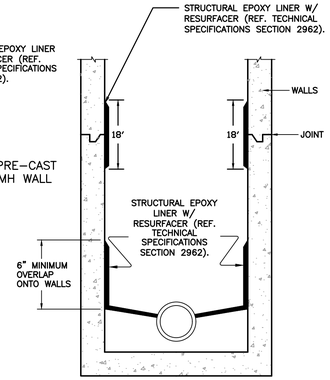


TYPICAL SECTION

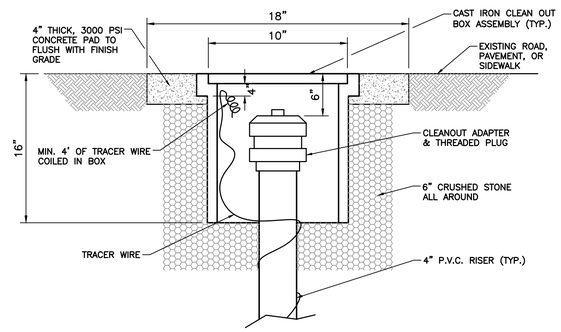
TYPICAL MANHOLE CHANNELS
NTS



SEALING MANHOLE WALLS STANDARD DETAIL
NTS



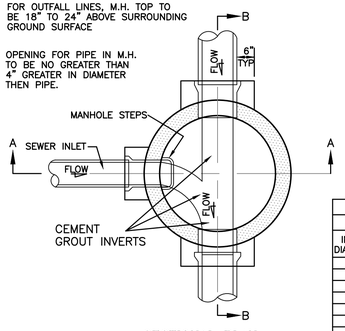
SEALING MANHOLE BASE AND JOINTS STANDARD DETAIL (PRE-CAST CONCRETE MH)
NTS



CLEANOUT DETAIL
NTS

NOTE: FOR OUTFALL LINES, M.H. TOP TO BE 18" TO 24" ABOVE SURROUNDING GROUND SURFACE

NOTE: OPENING FOR PIPE IN M.H. TO BE NO GREATER THAN 4" GREATER IN DIAMETER THEN PIPE.

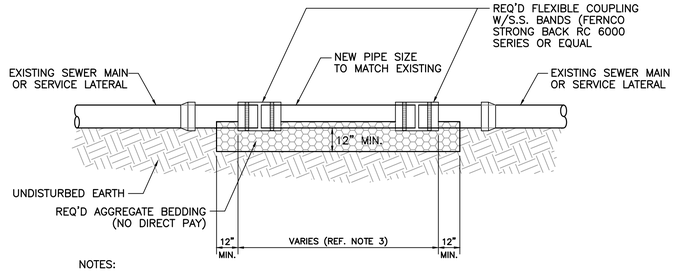


SECTIONAL PLAN

TABLE I		
"D"	"T"	"H"
INSIDE DIA. PIPE	VERTICAL TANGENT	HEIGHT OF WATER TABLE
8"	2-1/2"	6-1/2"
10"	3"	8"
12"	3-1/2"	9-1/2"
15"	4-1/2"	12"
18"	5-1/2"	14-1/2"
21"	6-1/2"	17"
24"	7-1/2"	19-1/2"
27"	8"	21-1/2"
30"	9"	24"
33"	10"	26-1/2"
36"	11"	29"

NOTE: "H" & "T" DIMENSIONS APPLY ONLY AT THE UPSTREAM, INSIDE EDGE OF M.H.

DETAIL H
NTS

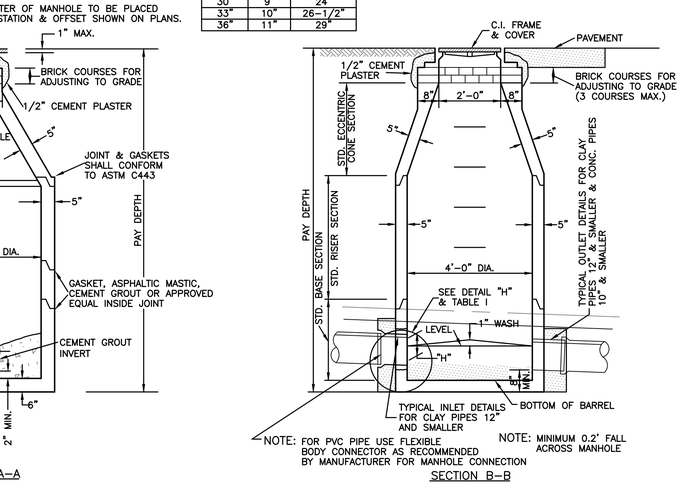


NOTES:

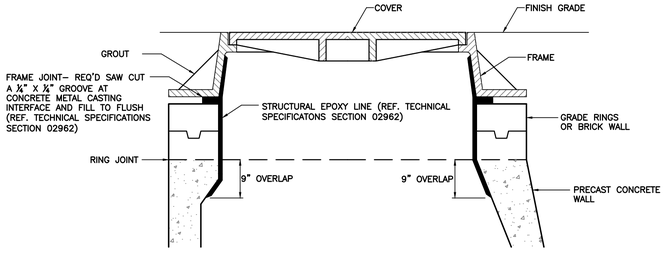
1. FLEXIBLE COUPLING TO BE FERNCO STRONG BACK RC 6000 SERIES OR EQUAL. EXACT MODEL DEPENDENT ON MATERIAL AND SIZE OF EXISTING SEWER PIPE.
2. AGGREGATE BEDDING FOR SEWER SERVICE LATERAL MAY BE REDUCED TO 6" DEPTH IF DEPTH OF COVER LESS THAN 3'.
3. THE LENGTH OF A POINT REPAIR SHALL BE UP TO 10 FEET. ADDITIONAL LINE REPLACEMENT OVER 10 FEET SHALL BE PAID FOR UNDER THE ITEMS "REMOVE AND REPLACE SECTION OF SEWER LINE" AND "ADDITIONAL EXCAVATION AND BACKFILL FOR MAINLINE AND SERVICE LINE REPAIR".

POINT REPAIR OR REMOVAL AND REPLACEMENT OF SEWER MAIN OR SERVICE LATERAL
NTS

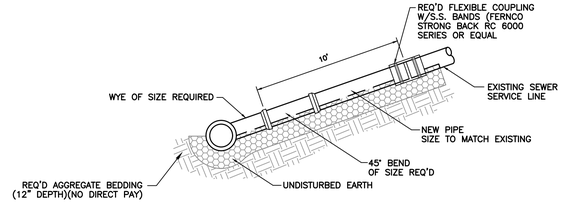
PLAN
NTS



STANDARD PRECAST CONCRETE SEWER MANHOLES
NTS



SEALING MANHOLE RING STANDARD DETAIL
NTS



SECTION
NTS

REPAIR OF FAULTY MAINLINE TAP
NTS

SHEET NUMBER	13

TYPICAL DETAILS

SEWER COLLECTION SYSTEM REHABILITATION
CITY OF OPELOUSAS
ST. LANDRY PARISH, LOUISIANA

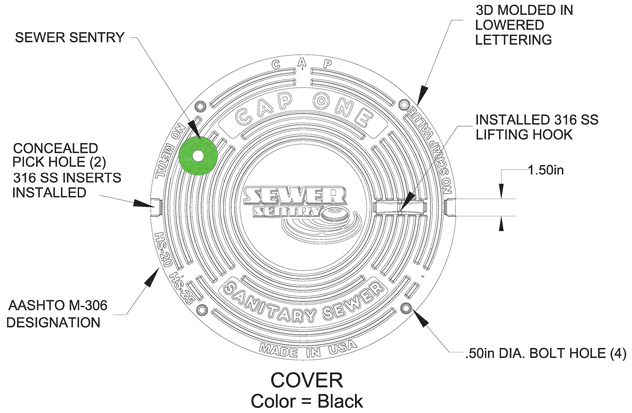
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DATE: 08-31-2026
DESIGNED BY: WHJ, III
CHECKED BY: WHJ, III
DRAWN BY: LPT

NO.	REVISION DESCRIPTION	DATE	BY

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08/31/2026

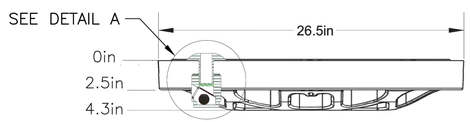
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PROJECT NO.
SC#251-3

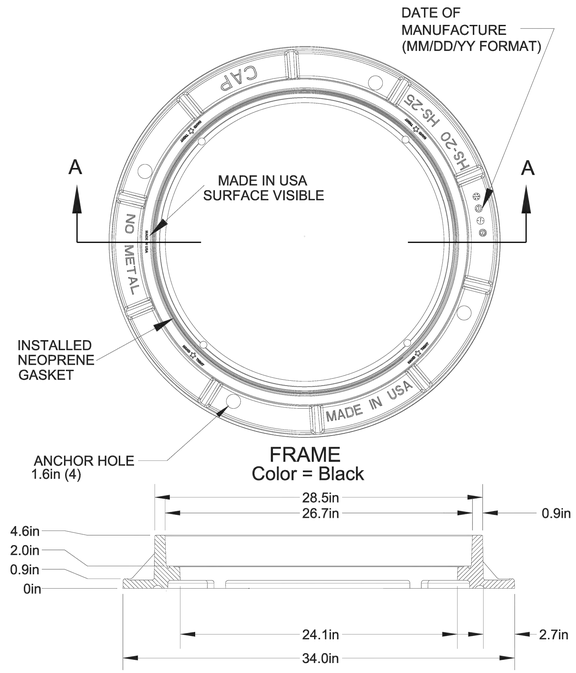


COVER
Color = Black

COMPOSITE MANHOLE COVER DETAIL
N.T.S



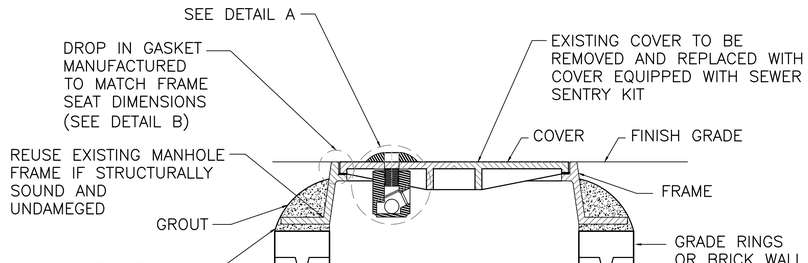
COVER SECTION
N.T.S



FRAME
Color = Black

FRAME SECTION
SECTION A-A

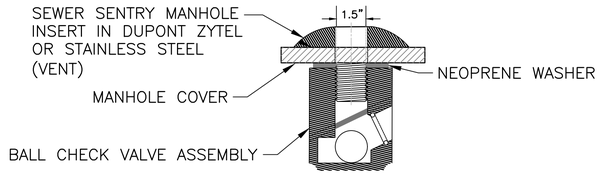
COMPOSITE MANHOLE FRAME DETAIL
N.T.S



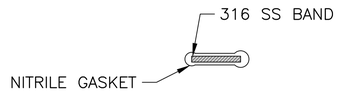
CAST IRON MANHOLE COVER RETRO FIT DETAIL
NTS

NOTE:

1. FRAME AND COVER TO BE COMPOSED OF MOLDED REINFORCED COMPOSITE POLYMER WITH A LOAD RATING OF H–20 PER AASHTO M–306 AND MEET FOLLOWING MINIMUM CRITERIA:
   - TENSILE STRENGTH 8,000 PSI PER ASTM D638
   - FLEXURAL STRENGTH 18,000 PSI PER ASTM D790
   - FLEXURAL MODULUS 1,000,000 PSI PER ASTM D790
   - COMPRESSIVE STRENGHT 20,000 PSI PER ASTM D695
   - IMPACT RESISTANCE 10FT–LB/IN PER ASTM D256
   - HARDNESS (BARCOL) 40 MINIMUM PER ASTM D2583
   - WATER ABSORPTION <0.5% (24HR IMERSION) PER ASTM D570
2. COVER TO BE PROVIDED WITHOUT OPENING FOR SEWER SENTRY SMART LEVEL UNLESS SPECIFICALLY CALLED FOR ON WORK OREDER PROVIDED BY ENGINEER.



DETAIL A



DETAIL B
DROP IN GASKET

SHEET NUMBER 14

TYPICAL DETAILS

SEWER COLLECTION SYSTEM REHABILITATION
CITY OF OPELOUSAS
ST. LANDRY PARISH, LOUISIANA

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