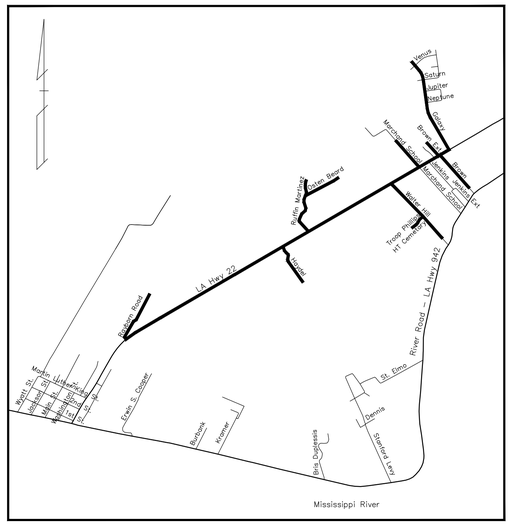
INDEX TO SHEETS

PLANS OF PROPOSED
ASCENSION PARISH SEWER PROGRAM IMPROVEMENTS

(HILLARYVILLE, DARROW, AND ASTROLAND)

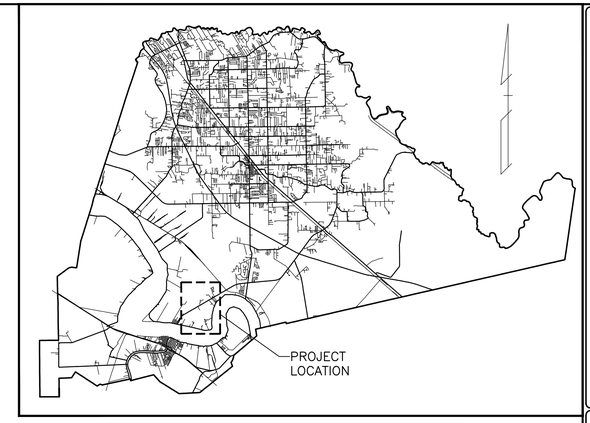
PROJECT CODE: SEWR 11002
CDBG CODE: 03PARA2301



LAYOUT MAP

2000' 1000' 0 2000'

SCALE:1"=2000'-0"



VICINITY MAP

PARISH OF ASCENSION

MR. KENNY MATASSA
PARISH PRESIDENT

PARISH COUNCIL

MR. OLIVER JOSEPH
COUNCILMAN, DISTRICT 1

MR. BILL DAWSON
COUNCILMAN, DISTRICT 2

MR. TRAVIS TURNER
COUNCILMAN, DISTRICT 3

MR. DANIEL "DOC" SATTERLEE
COUNCILMAN, DISTRICT 4

MR. DEMPSEY LAMBERT
COUNCILMAN, DISTRICT 5

MR. RANDY CLOUATRE
COUNCILMAN, DISTRICT 6

MR. AARON LAWLER
COUNCILMAN, DISTRICT 7

MRS. TERI CASSO
COUNCILWOMAN, DISTRICT 8

MR. TODD LAMBERT
COUNCILMAN, DISTRICT 9

MR. JOHN CAGNOLATTI
COUNCILMAN, DISTRICT 10

MR. BENNY JOHNSON
COUNCILMAN, DISTRICT 11

THIS PROJECT WAS FUNDED WITH COMMUNITY DEVELOPMENT BLOCK GRANT DOLLARS PROVIDED BY THE U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT AND DISTRIBUTED BY THE LOUISIANA OFFICE OF COMMUNITY DEVELOPMENT-DISASTER RECOVERY UNIT FOR RECOVERY FROM HURRICANES GUSTAV AND IKE

AS A REQUIREMENT UNDER LOUISIANA REVISED STATUTES 37:2163.D, THIS PROJECT IS CLASSIFIED AS MUNICIPAL AND PUBLIC WORKS CONSTRUCTION.

STATE OF LOUISIANA
LLOYD R. ERIKSON
License No. 31061
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

PLANS PREPARED BY AND RECOMMENDED FOR APPROVAL _____ 2019.03.26 13:11:22 -05'00'

DATE _____ EVANS-GRAVES ENGINEERS INC.

1-800-272-3020
Call before you dig

EVANS-GRAVES ENGINEERS, INC.
ENGINEERING CONSULTANTS
9029 JEFFERSON HWY.
SUITE 200
BATON ROUGE, LA. 70809
(225) 926-1620

DESIGNED LAB
CHECKED LRE
DETAILED DRW
CHECKED LRE
DATE MARCH 2019
SHEET G-1

NO.	DATE	REVISION DESCRIPTION	BY

ASCENSION PARISH SEWER PROGRAM IMPROVEMENTS
(HILLARYVILLE, DARROW, AND ASTROLAND)
PROJECT CODE SEWR 11002, CDBG CODE 03PARA2301

TITLE SHEET AND LOCATION MAPS

SHEET NUMBER
G-1

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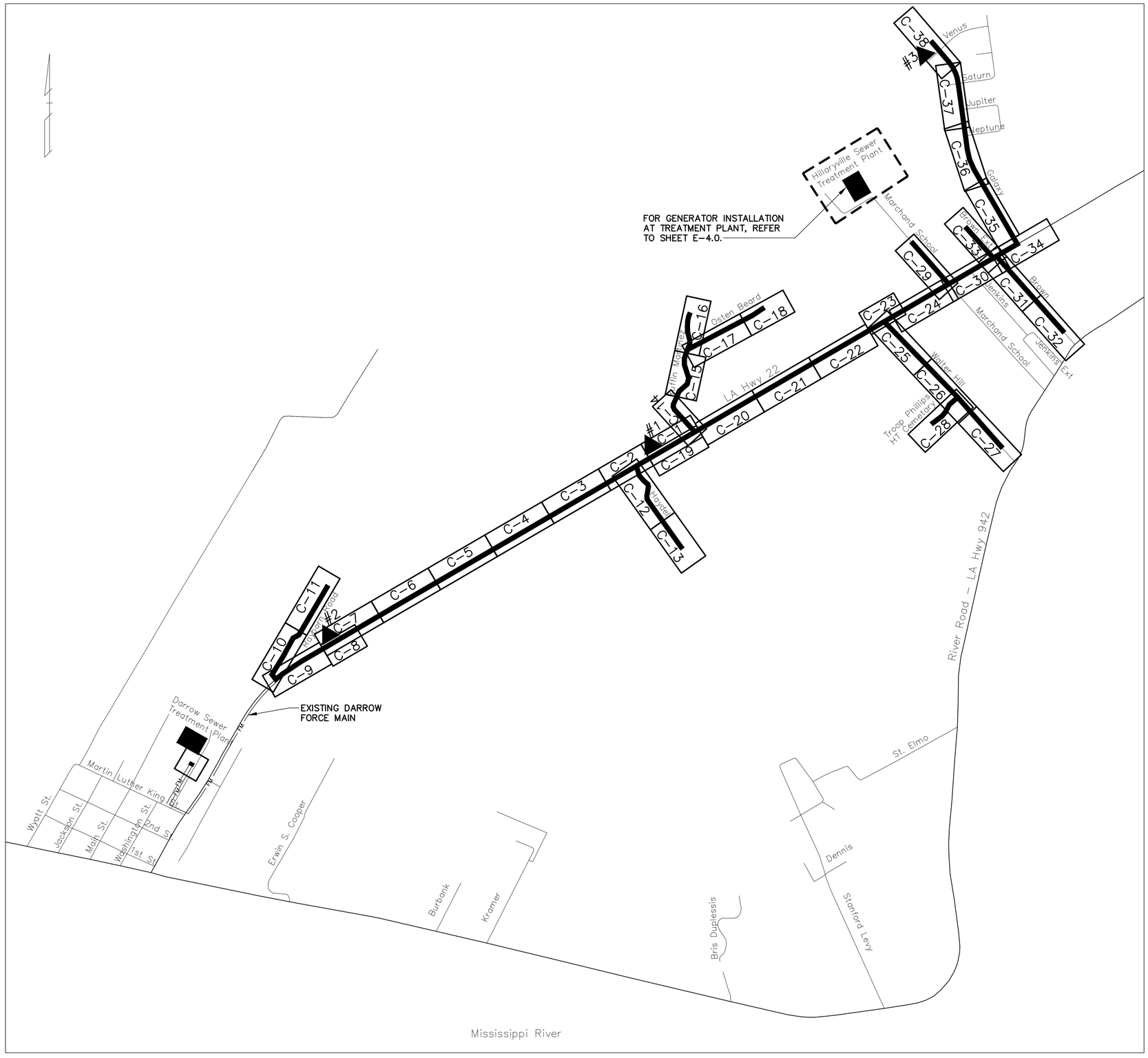

LEGEND:

C-3 — DENOTES PAGE NO. OF CORRESPONDING PLAN AND PROFILE SHEET

DENOTES SEWER IMPROVEMENTS REQUIRED IN THIS CONTRACT

▲#1 — DENOTES LIFT STATION REQUIRED IN THIS CONTRACT

LAYOUT MAP

600' 300' 0 600'

SCALE:1"=600'-0"

LA One Call
1-800-272-3020
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STATE OF LOUISIANA
LLOYD R. ERIKSON
License No. 31081
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

2019.03.26
13:11:43
-05'00'

EVANS-GRAVES ENGINEERS, INC.

ENGINEERING CONSULTANTS
5029 ESSEN LANE
SUITE 200
BATON ROUGE, LA. 70809
(225) 926-1620

DESIGNED	LAB
CHECKED	LRE
DETAILED	DRW
CHECKED	LRE
DATE	MARCH 2019
SHEET	C-1

NO.	DATE	REVISION DESCRIPTION	BY

ASCENSION PARISH SEWER PROGRAM IMPROVEMENTS
(HILLARYVILLE, DARROW, AND ASTROLAND)
PROJECT CODE SEWR 11002, CDBG CODE 03PARA2301

SHEET INDEX MAP

SHEET NUMBER
G-2

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GENERAL NOTES:

A ALL WORK SHALL CONFORM TO THE PROJECT SPECIFICATIONS. WORK NOT ADDRESSED IN THE PROJECT SPECIFICATIONS SHALL CONFORM TO THE LADOTD SPECIFICATION FOR ROADS AND BRIDGES, LATEST EDITION.

B CONTRACTOR TO PROVIDE LOUISIANA REGISTERED SURVEYOR TO LOCATE RIGHTS OF WAY, SERVITUDES, VERTICAL AND HORIZONTAL CONTROLS.

C CONTRACTOR SHALL FIELD VERIFY ALL EXISTING MANHOLE INVERTS PRIOR TO ORDERING ANY NEW SANITARY SEWER MANHOLES. CONTACT PROJECT ENGINEER WITH ANY DISCREPANCY IN EXISTING INVERTS FROM THOSE SHOWN ON PLANS.

D THE CONTRACTOR SHALL SUBMIT A LDEQ NOTICE OF INTENT (N.O.I.) FOR STORM WATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITY UNDER A LPDES GENERAL PERMIT LAR 100000, AND A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) PRIOR TO CONSTRUCTION. ADDITIONALLY, 48 HOURS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR MUST SUBMIT THE SWPPP AND LDEQ N.O.I. FORM TO THE LDEQ VIA CERTIFIED MAIL. CONTRACTOR SHALL INSTALL AND MAINTAIN ALL EROSION CONTROL MEASURES IN ACCORDANCE WITH SECTION TS-9.

E AT THE COMMENCEMENT OF THE PROJECT, CONTRACTOR SHALL PROVIDE TO OWNER A PRE-CONSTRUCTION VIDEO IN ACCORDANCE WITH SPECIFICATIONS. COST FOR THIS ITEM SHALL BE INCLUDED IN THE GENERAL CONDITIONS PAY ITEM.

F CONTRACTOR SHALL CONTACT LA ONE CALL, 1-800-272-3020, PRIOR TO ANY WORK FOR CONFIRMATION OF EXISTING UTILITIES.

G CONTRACTOR IS RESPONSIBLE FOR MAINTAINING 18" VERTICAL CLEARANCE AND 6' HORIZONTAL CLEARANCE BETWEEN SANITARY SEWER AND WATER PIPELINES. WHERE ACTUAL FIELD LOCATIONS PREVENT THIS, CONTACT PROJECT ENGINEER FOR ALTERNATE SEWER LOCATION.

H CONTRACTOR SHALL REPLACE IN KIND ALL TREES, SHRUBBERY, AND FLOWERS ON PRIVATE PROPERTY DETERMINED TO BE DAMAGED BY A LICENSED ARBORIST AND/OR A QUALIFIED REPRESENTATIVE OF THE PARISH WITH PLANT MATERIAL OF SIMILAR SIZE AND MATURITY AS ORIGINAL PLANTINGS. DISTURBED AREAS ON PRIVATE PROPERTY SHALL BE RESTORED USING SLAB SOD. ALL DISTURBED AREAS IN PUBLIC RIGHT OF WAYS SHALL BE RESTORED WITH SEED.

I ANY PROPOSED SEWER IMPROVEMENT THAT DISTURBS EXISTING PATHWAY, PARKING AREA, OR ROADWAY PAVEMENT SHALL REQUIRE THE APPROPRIATE SURFACING RESTORATION AS SHOWN ON THE PLANS.

J CONTRACTOR SHALL PROVIDE ALL DEWATERING EQUIPMENT NECESSARY TO KEEP EXCAVATIONS DRY AND SHALL PROVIDE ALL SHEETING, SHORING, AND BRACING NECESSARY TO PROTECT ADJACENT STRUCTURES, AND UTILITIES, OR TO MINIMIZE TRENCH WIDTH.

K CONTRACTOR SHALL LAY SANITARY SEWER PIPE TRUE TO LINE AND GRADE AND SHALL NOT DEVIATE FROM THE PLAN GRADE GIVEN, UNLESS APPROVED BY THE PARISH AND PROJECT ENGINEER.

L LOCATION OF EXISTING UNDERGROUND UTILITIES HAS BEEN PREPARED FROM THE MOST RELIABLE INFORMATION AVAILABLE TO THE OWNER. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION, SIZE, AND DEPTH OF ALL PERTINENT UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION. ANY CONSEQUENCES OF UTILITIES NOT SHOWN OR SHOWN INCORRECTLY SHALL NOT CONSTITUTE AN EXTRA COST TO THE OWNER. DAMAGE TO UTILITIES CAUSED BY FAILURE TO COMPLY WITH THESE INSTRUCTIONS SHALL BE REPAIRED AS DIRECTED BY UTILITY COMPANY AT THE EXPENSE OF THE CONTRACTOR. LOCATION OF PROPOSED SEWER INFRASTRUCTURE MAY BE MODIFIED IN THE FIELD TO AVOID EXISTING UTILITIES. DIRECTIONAL DRILLING MAY BE USED AS AN ALTERNATIVE METHOD OF INSTALLATION OF PIPELINES.

M ALL COSTS FOR LOCATION, VERIFICATION, AND MAINTENANCE OF EXISTING UTILITIES AND SERVICE LATERALS SHALL BE INCLUDED IN THE APPROPRIATE PRICE BID FOR INSTALLING THE PIPE. NO ADDITIONAL COST WILL BE PAID FOR THIS WORK.

N EXISTING WATER, SEWER AND GAS SERVICES ARE NOT SHOWN. CONTRACTOR SHALL VERIFY LOCATIONS OF SERVICE LATERALS PRIOR TO START OF CONSTRUCTION. CARE SHOULD BE TAKEN TO NOT DAMAGE EXISTING SERVICE LINES WHILE EXCAVATING FOR SEWER LINE TRENCHES. EXISTING SERVICE LATERALS SHALL REMAIN IN SERVICE UNLESS OTHERWISE APPROVED IN WRITING BY THE UTILITY OWNER.

O THE CONTRACTOR SHALL INSTALL AND MAINTAIN ALL DISTURBED PAVEMENT OR CONCRETE AREAS WITH A SUITABLE MATERIAL SUCH AS A SB-2 CRUSHED STONE OR MILLED ASPHALT TO THE ELEVATION OF THE UNDISTURBED PAVEMENT AND/OR CONCRETE, UNTIL FINAL PAVEMENT IS CONSTRUCTED. AT NO DIRECT PAY.

P THE CONTRACTOR MUST NOTIFY THE OWNER AT LEAST 72 HOURS IN ADVANCE OF MAKING ANY CONNECTION OR MODIFICATION TO THE EXISTING SYSTEM.

Q NO DEBRIS SHALL BE ALLOWED TO ENTER THE EXISTING SYSTEM FROM CONSTRUCTION OF THE NEW SYSTEM. NO DEBRIS SHALL BE LEFT IN THE NEW SYSTEM. IF SUCH EXISTS, THE SYSTEM WILL NOT BE APPROVED.

R ALL PVC SEWER GRAVITY AND FORCE MAIN PIPE PLACED WITHIN ANY LADOTD RIGHT OF WAY SHALL BE SDR 18. THIS SHALL GOVERN OVER SDR REQUIREMENTS IN SPECIFICATIONS.

S ALL DRAINAGE PIPES THAT ARE DISTURBED SHALL BE PROMPTLY REPLACED WITH NEW RCP OF THE SAME SIZE AND AT THE SAME SLOPES AND INVERTS AS WERE DISTURBED. CROSS DRAINS REPLACED SHALL EXTEND ONLY FOR THE LENGTH THAT WAS DISTURBED BY THE TRENCH. WHERE EXISTING DRAIN PIPES CANNOT ADEQUATELY CONNECT TO NEW RCP PIPES, CONCRETE COLLARS SHALL BE USED (AT NO DIRECT PAY). ALL DRAINAGE STRUCTURES THAT ARE DISTURBED SHALL BE PROMPTLY REPLACED WITH A NEW DRAINAGE STRUCTURE OF THE SAME TYPE, SIZE, AND DEPTH AS WERE DISTURBED.

T ALL CUTS IN PAVEMENT SHALL BE BY THE SAW-CUTTING METHOD.

U AT THE COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL PROVIDE TO OWNER A COMPLETE SET OF AS-BUILT LOCATIONS IDENTIFYING COORDINATES OF ALL NEW SEWER INFRASTRUCTURE AS LOCATED BY A LOUISIANA REGISTERED SURVEYOR.

V FINAL PAYMENT SHALL NOT BE RELEASED UNTIL THE PARISH OF ASCENSION DEPARTMENT OF PUBLIC WORKS IS SATISFIED AND ACCEPTS IN WRITING ALL WORK AND CLEAN-UP.

W TRENCHES SHALL BE OPENED A MAXIMUM OF 100 LINEAR FEET PRECEDING LAYING OF PIPE. NO TRENCHES SHALL BE LEFT OPEN OVERNIGHT. TRENCHES WITHIN 1500' OF THE MISSISSIPPI RIVER SHALL BE RESTRICTED TO 50 LINEAR FEET. ADDITIONALLY, NO TRENCH WITHIN 1500' OF THE RIVER SHALL BE OPENED WHEN THE MISSISSIPPI RIVER GAGE AT CARROLTON ST. REACHES 11'. ALL EXISTING TRENCHES WITHIN 1500' OF THE MISSISSIPPI RIVER MUST BE BACKFILLED WHEN GAGE REACHES 11'.

X CONTRACTOR SHALL PROVIDE NOTICE TO ALL PROPERTY OWNERS 72 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION ON THEIR PROPERTY.

GENERAL NOTES CONTINUED:

Y CONTRACTOR TO SUPPLY ALL VALVES/RESTRAINTS NECESSARY TO TEST LINES PRIOR TO TIE-IN. COSTS FOR TESTING MATERIALS, EQUIPMENT AND LABOR SHALL BE INCLUDED IN THE UNIT PRICE FOR EACH PIPING ITEM.

Z ANY MAINTENANCE AGGREGATE NEEDED TO MAINTAIN ACCESS TO PRIVATE DRIVEWAYS SHALL BE INCLUDED IN THE "REMOVE AND REPLACE DRIVEWAY" BID ITEMS.

AA CONTRACTOR TO BE RESPONSIBLE FOR COORDINATION OF ALL UTILITY RELOCATIONS / MODIFICATIONS. CONTRACTOR SHALL COORDINATE WITH ENGINEER FOR COST APPROVAL. ANY COST INCURRED SHALL BE PAID BY CONTRACTOR AND REIMBURSED THROUGH THE UTILITY RELOCATION PAY ITEM. TYPICAL FOR ALL UTILITY RELOCATIONS THROUGH-OUT PROJECT.

BB UTILITY POLE AND INSTALLATION WITHIN 1500' OF THE MISSISSIPPI RIVER SHALL BE PERFORMED AND COMPLETED WHILE THE STAGE OF THE MISSISSIPPI RIVER IS BELOW ELEVATION 11.0 FEET ON THE CARROLLTON GAGE AT NEW ORLEANS, LOUISIANA. VOIDS FROM THE REPLACED / REMOVED POLES WITHIN 1500' OF THE LEVEE MUST BE BACKFILLED WITH A SLURRY CONSISTING OF ONE PART CEMENT, TWO PARTS BENTONITE, AND SIX PARTS SAND MIXED WITH ENOUGH WATER TO PRODUCE A SLURRY VISCOUS ENOUGH TO THOROUGHLY FILL THE VOIDS. THE RESULTING SLURRY SHALL HAVE NO LESS THAN 12 LBS OF SOLIDS PER GALLON.

CC WHERE DETERMINED NECESSARY BY PARISH INSPECTOR AND CONTRACTOR, POWER POLES SHALL BE BRACED IN ACCORDANCE WITH POWER COMPANY REQUIREMENTS. COSTS FOR BRACING SHALL BE INCIDENTAL TO SEWER INSTALLATION PAY ITEMS.

POST INSTALLATION SANITARY SEWER TESTING NOTES:

A POST INSTALLATION TESTS FOR SANITARY SEWER GRAVITY LINES ARE TO BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS. THESE TESTS INCLUDE A 95% MANDREL TEST, A LOW PRESSURE AIR LEAKAGE TEST IN ACCORDANCE WITH ASTM C828 (DUCTILE IRON PIPE) OR ASTM F1417 (PVC PIPE). CONTRACTOR TO SUPPLY ALL MATERIALS REQUIRED FOR TESTING INCLUDING WATER.

B FORCEMAIN PIPING SHALL BE HYDROSTATIC TESTED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS. INITIAL FILLING RATE OF FORCEMAIN SHALL NOT EXCEED 100 GPM. WATER USED SHALL REMAIN IN PIPE.

C POST INSTALLATION TESTS FOR SANITARY SEWER MANHOLES ARE TO BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND ASTM C1244

D THE SANITARY SEWER SHALL BE CONSTRUCTED IN THE SEQUENCE OUTLINED BELOW TO ENSURE CORRECT POST INSTALLATION TESTING.

E THE SUGGESTED SEQUENCE OF CONSTRUCTION GENERALLY CONSISTS OF COMMENCING PUMP STATION AND GRAVITY MAIN WORK, INCLUDING SERVICE LATERALS TERMINATING AT THE PROPERTY LINE, ONCE THE "NOTICE TO PROCEED" HAS BEEN ISSUED. ONLY AFTER THE GRAVITY MAINS AND SERVICE LATERALS HAVE BEEN TESTED AND PASSED, SHOULD THE HOUSE CONNECTION WORK BEGIN. ALL HOUSE CONNECTIONS SHALL BE SMOKE TESTED AFTER COMPLETION. DEFICIENCIES IN THE HOUSE CONNECTION LINES SHALL BE CORRECTED AND RE-SMOKE TESTED UNTIL NO DEFICIENCIES ARE FOUND.

TEMPORARY TRAFFIC CONTROL NOTES:

A CONTRACTOR SHALL PROVIDE, ERECT, AND MAINTAIN ALL NECESSARY BARRICADES, SUITABLE LIGHTS, DANGER SIGNALS AND SHALL TAKE ALL THE NECESSARY PRECAUTIONS FOR THE PROTECTION OF WORK AND SAFETY OF THE GENERAL PUBLIC. FURTHERMORE, ALL SAFETY LIGHTING AND MARKINGS SHALL MEET OR EXCEED THE REQUIREMENTS AS DESCRIBED IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" PUBLISHED BY THE FEDERAL HIGHWAY ADMINISTRATION AND MORE PARTICULARLY AS SHOWN IN PART VI OF THIS DOCUMENT.

B ON STATE HIGHWAYS, THE CONTRACTOR SHALL ADHERE TO THE LADOTD STANDARD DETAILS FOR TEMPORARY TRAFFIC CONTROL SHEETS TC-00 TO TC-16. TEMPORARY LANE CLOSURES SHALL BE PERMITTED WITH LADOTD BY THE CONTRACTOR.

C LOCAL TRAFFIC ACCESS AND FLOW SHALL BE MAINTAINED ON ALL ROADS THROUGHOUT THE DURATION OF THE PROJECT, UNLESS OTHERWISE AUTHORIZED BY PARISH.

SANITARY SEWER LATERAL CONSTRUCTION:

A REQUIRED SEWER LATERAL LOCATIONS ARE SHOWN ON PLANS. THESE LOCATIONS MAY BE ADJUSTED FOR CONSTRUCTION REASONS OR PREFERENCE OF LOT OWNER ONLY AFTER APPROVAL BY PROJECT ENGINEER.

B CONTRACTOR SHALL AVOID S.S. LATERAL CONFLICTS WITH EXISTING UNDERGROUND UTILITIES.

PERMITTING NOTES:

A CONTRACTOR SHALL VERIFY PERMITTING STATUS WITH PARISH OFFICIALS PRIOR TO COMMENCING WORK IN A STATE RIGHT OF WAY. LADOTD PERMITS WILL BE REQUIRED FOR LA HWY 22 AND LA HWY 942.

B A USACOE PERMIT IS REQUIRED FOR ALL SANITARY SEWER WORK PERFORMED WITHIN 1,500 FT OF THE LEVEE OF THE MISSISSIPPI RIVER.

C A DHH PERMIT IS REQUIRED FOR ALL SANITARY SEWER WORK PERFORMED IN THE PROJECT AREA.

SANITARY SEWER HOUSE CONNECTION NOTES:

A ALL EXPENSES RELATED TO THE RESIDENCE CONNECTION SHALL BE PAID UNDER BID ITEM "HOUSE CONNECTION." THE BID ITEM INCLUDES PAYMENT FOR ALL REDUCERS, SANITARY SEWER SERVICE PIPES, SANITARY SEWER CLEAN OUTS, FITTINGS, COUPLINGS, BENDS, SEALS, SOLVENT CEMENT, VENT PIPES, PLUMBER'S FEES, REMOVAL AND DISPOSAL OF PRIVATE ABOVE GROUND SANITARY SEWER TREATMENT FACILITIES, AND ABANDONMENT OF PRIVATE UNDERGROUND SANITARY SEWER TREATMENT FACILITIES REQUIRED FOR THE CONNECTION. PAYMENT FOR ITEMS NOT LISTED BUT CONSIDERED TO BE NECESSARY FOR THE HOUSE CONNECTION SHALL BE APPROVED BY ASCENSION PARISH DEPARTMENT OF PUBLIC UTILITIES PRIOR TO INSTALLATION, AND THE COST OF THESE ITEMS INCLUDED IN BID ITEM "HOUSE CONNECTION".

B AS PART OF THIS PROJECT, CONNECTIONS SHALL BE MADE FROM THE SANITARY SEWER LATERALS PROVIDED TO SOME RESIDENCES AS DIRECTED BY THE ASCENSION PARISH DEPARTMENT OF PUBLIC UTILITIES.

ABBREVIATIONS:

ACI	AMERICAN CONCRETE INSTITUTE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APWA	AMERICAN PUBLIC WORKS ASSOCIATION
ARV	AIR RELEASE VALVE
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS
ASPH	ASPHALT
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AWG	AMERICAN WIRE GAGE
AWWA	AMERICAN WATER WORKS ASSOCIATION
BBL	BARREL
B/L OR BL	BASELINE
BLVD	BOULEVARD
BM	BENCHMARK
BOC	BACK OF CURB
BOP	BOTTOM OF PIPE
CATV	CABLE TELEVISION
CB	CATCH BASIN
C/C	CENTER TO CENTER
CI	CAST IRON
CL	CEMENT LINED
CMP	CORRUGATED METAL PIPE
COA	CORRIDOR OF ACCESS
CONC	CONCRETE
CMON	CONCRETE MONUMENT
C/S	CARBON STEEL
CWT	HUNDREDWEIGHT (100 US POUNDS)
CY	CUBIC YARDS
DI	DUCTILE IRON
DOTD	LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
DPW	CITY OF BATON ROUGE DEPARTMENT OF PUBLIC WORKS
DR	DRIVE
ELEC	ELECTRIC(AL)
ELEV	ELEVATION
FL	FLOW LINE
FM	FORCEMAIN
FO	FIBER OPTIC
FT	FOOT OR FEET
G	NATURAL GAS
GAL	U.S. GALLON(S)
GALV	GALVANIZED
GRAV	GRAVITY
GV	GATE VALVE
HOR	HORIZONTAL
ID	INSIDE DIAMETER
INV	INVERT
LB	U.S. POUND
LF	LINER FOOT OR LINEAR FEET
LONG	LONGITUDE
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
MON	MONUMENT
MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
NG	NATURAL GROUND
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OE	OVERHEAD ELECTRIC
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
OT	OVERHEAD TELEPHONE
OTV	OVERHEAD TELEVISION
PC	PORTLAND CEMENT
PE	POLYETHYLENE
PL	PLASTIC LIMIT OR PROPERTY LINE
PP	POWER POLE
PS	PUMP STATION
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PV	PLUG VALVE
PVC	POLYVINYL CHLORIDE OR POINT OF VERTICAL CURVITURE
PVI	POINT OF VERTICAL INTERSECTION
PVMT	PAVEMENT
QPL	QUALIFIED PRODUCTS LIST
R	RADIUS
RC	REINFORCED CONCRETE
RCCP	REINFORCED CONCRETE CULVERT PIPE
RCP	REINFORCED CONCRETE PIPE
RCPA	REINFORCED CONCRETE PIPE ARCH
RDWY	ROADWAY
RED	REDUCER
RET.WALL	RETAINING WALL
RR	RAILROAD
R/W	RIGHT OF WAY
S	SLOPE
SAN.	SANITARY
SD	STORM DRAIN
SF	SQUARE FOOT (FEET)
SPEC	SPECIFICATIONS
SS	SANITARY SEWER
ST	STREET
STA	STATION
STD	STANDARD
SY	SQUARE YARD
TEL	TELEPHONE
TOB	TOP OF BANK (BERM)
TOC	TOP OF CONCRETE
TOP	TOP OF PIPE
TYP	TYPICAL
VC	VITRIFIED CLAY
W	WATER
WI	WROUGHT IRON
WV	WATER VALVE
YD	YARD OR YARD DRAIN

STATE OF LOUISIANA
LLOYD R. ERIKSON
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GENERAL NOTES AND ABBREVIATIONS

SHEET NUMBER
G-3

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BASE BID SUMMARY OF ESTIMATED QUANTITIES

ITEM No.	QTY.	UNIT	DESCRIPTION OF ITEM
1	1	L.S.	CLEARING & GRUBBING
2	16	L.F.	12" REINFORCED CONCRETE PIPE
3	30	L.F.	18" REINFORCED CONCRETE PIPE
4	32	L.F.	21" REINFORCED CONCRETE PIPE
5	68	L.F.	24" REINFORCED CONCRETE PIPE
6	32	L.F.	30" REINFORCED CONCRETE PIPE
7	8	L.F.	15" CORRUGATED METAL PIPE
8	16	L.F.	18" CORRUGATED METAL PIPE
9	2136	L.F.	8" SANITARY SEWER MAIN (0'–6' DEPTH)
10	2719	L.F.	8" SANITARY SEWER MAIN (6'–8' DEPTH)
11	1915	L.F.	8" SANITARY SEWER MAIN (8'–10' DEPTH)
12	119	L.F.	8" SANITARY SEWER MAIN (10'–12' DEPTH)
13	17	L.F.	8" SANITARY SEWER MAIN (12'–16' DEPTH)
14	376	L.F.	10" SANITARY SEWER MAIN (0'–6' DEPTH)
15	1420	L.F.	10" SANITARY SEWER MAIN (6'–8' DEPTH)
16	1295	L.F.	10" SANITARY SEWER MAIN (8'–10' DEPTH)
17	1158	L.F.	10" SANITARY SEWER MAIN (10'–12' DEPTH)
18	2796	L.F.	10" SANITARY SEWER MAIN (12'–16' DEPTH)
19	889	L.F.	12" SANITARY SEWER MAIN (10'–12' DEPTH)
20	821	L.F.	12" SANITARY SEWER MAIN (12'–16' DEPTH)
21	90	L.F.	12" SANITARY SEWER MAIN (16'–20' DEPTH)
22	99	L.F.	15" SANITARY SEWER MAIN (12'–16' DEPTH)
23	509	L.F.	18" SANITARY SEWER MAIN (8'–10' DEPTH)
24	75	L.F.	18" SANITARY SEWER MAIN (10'–12' DEPTH)
25	647	L.F.	18" SANITARY SEWER MAIN (12'–16' DEPTH)
26	56	L.F.	4" SEWER MAIN JACK & BORE UNDER DITCH OR ROADWAY
27	40	L.F.	6" SEWER MAIN JACK & BORE UNDER DITCH OR ROADWAY
28	80	L.F.	10" SEWER MAIN JACK & BORE UNDER DITCH OR ROADWAY
29	90	L.F.	16" STEEL CASING JACK & BORE
30	150	L.F.	20" STEEL CASING JACK & BORE
31	160	L.F.	24" STEEL CASING JACK & BORE
32	120	L.F.	30" STEEL CASING JACK & BORE
33	9	EA.	4' SANITARY SEWER MANHOLE (0'–6' DEPTH)
34	15	EA.	4' SANITARY SEWER MANHOLE (6'–8' DEPTH)
35	10	EA.	4' SANITARY SEWER MANHOLE (8'–10' DEPTH)
36	11	EA.	4' SANITARY SEWER MANHOLE (10'–12' DEPTH)
37	16	EA.	4' SANITARY SEWER MANHOLE (12'–16' DEPTH)
38	2	EA.	4' SANITARY SEWER MANHOLE (16'–20' DEPTH)
39	3	EA.	5' SANITARY SEWER MANHOLE (8'–10' DEPTH)
40	1	EA.	5' SANITARY SEWER MANHOLE (10'–12' DEPTH)
41	3	EA.	5' SANITARY SEWER MANHOLE (12'–16' DEPTH)
42	1	EA.	6' SANITARY SEWER MANHOLE (12'–16' DEPTH)
43	6	VF	4" SANITARY SEWER MANHOLE DROP CONNECTION
44	25	VF	8" SANITARY SEWER MANHOLE DROP CONNECTION
45	10	EA.	AIR RELEASE VALVE & MANHOLE
46	24	EA.	8"x6" SANITARY SEWER WYE, BENDS, & SINGLE TERMINUS
47	28	EA.	8"x6" SANITARY SEWER WYE, BENDS & DOUBLE TERMINIUS
48	23	EA.	10"x6" SANITARY SEWER WYE, BENDS & SINGLE TERMINUS
49	10	EA.	10"x6" SANITARY SEWER WYE, BENDS & DOUBLE TERMINUS
50	1	EA.	12"x6" SANITARY SEWER WYE, BENDS & DOUBLE TERMINUS
51	6	EA.	18"x6" SANITARY SEWER WYE, BENDS & SINGLE TERMINUS
52	1	EA.	18"x6" SANITARY SEWER WYE, BENDS, & DOUBLE TERMINUS
53	133	EA.	SANITARY SEWER RISER STACK AND 1/8 BENDS
54	1473	L.F.	6" SERVICE LINE OPEN CUT INSTALLATION
55	1140	L.F.	6" SERVICE LINE BORED UNDER ROAD

BASE BID SUMMARY OF ESTIMATED QUANTITIES (CONT.)

ITEM No.	QTY.	UNIT	DESCRIPTION OF ITEM
56	65	EA.	HOUSE CONNECTION
57	133	EA.	6" PROP. LINE CLEANOUT WITH SINGLE SERVICE CONNECTION
58	3711	L.F.	4" UNRESTRAINED JOINT FORCE MAIN
59	558	L.F.	4" RESTRAINED JOINT FORCE MAIN
60	2535	L.F.	6" UNRESTRAINED JOINT FORCE MAIN
61	207	L.F.	6" RESTRAINED JOINT FORCE MAIN
62	0.57	TON	FITTINGS
63	7755	S.Y.	REMOVE ASPHALT PAVEMENT AND BASE; REPLACE WITH BASE
64	17448	L.F.	SAWCUT EXISTING PAVEMENT
65	138	S.Y.	REMOVE & REPLACE CONCRETE DRIVEWAY PAVEMENT & BASE
66	17	S.Y.	REMOVE & REPLACE ASPHALT DRIVEWAY PAVEMENT & BASE
67	15	S.Y.	REMOVE & REPLACE LIMESTONE DRIVEWAY PAVEMENT & BASE
68	120	S.Y.	REMOVE & REPLACE GRAVEL DRIVEWAY PAVEMENT & BASE
69	1	EA.	LIFT STATION #1 COMPLETE
70	1	EA.	LIFT STATION #2 COMPLETE
71	1	EA.	LIFT STATION #3 COMPLETE
72	1	L.S.	DEMOLITION OF EXISTING LIFT STATION
73	3	EA.	TIE EXISTING SANITARY SEWER LINE TO NEW S.S.M.H.
74	1	L.S.	TIE NEW GRAVITY SEWER TO EXISTING LIFT STATION
75	200	L.F.	REMOVE AND REPLACE FENCES
76	1	L.S.	UTILITY RELOCATION ALLOWANCE
77	1	L.S.	GENERAL CONDITIONS / MOBILIZATION
78	5	EA.	REMOVE & REPLACE TRAFFIC SIGNS
79	1	L.S.	S.W.P.P.P.
80	250	LB	SEED
81	1650	LB	FERTILIZER
82	4000	L.F.	SILT FENCES
83	1	L.S.	GENERATOR AT HILLARYVILLE SEWER TREATMENT PLANT
84	2	EA	STANDARD LADOTD CB–01
85	2	EA	STANDARD LADOTD R–CB–11
86	1	LS	REMOVAL OF STRUCTURES AND OBSTRUCTIONS
87	10	EA	TREE ROOT PRUNING
88	500	CY	#57 STONE FOR PIPE FOUNDATION
89	500	CY	IMPORTED BACKFILL (LADOTD TYPE B)

EVANS–GRAVES ENGINEERS, INC.
ENGINEERING CONSULTANTS
9029 JEFFERSON HWY.
SUITE 200
BATON ROUGE, LA. 70809
(225) 926–1620

DESIGNED LAB
CHECKED LRE
DETAILED DRW
CHECKED LRE
DATE MARCH 2019
SHEET G–1

NO.	DATE	REVISION DESCRIPTION	BY

ASCENSION PARISH SEWER PROGRAM IMPROVEMENTS
(HILLARYVILLE, DARROW, AND ASTROLAND)
PROJECT CODE SEWR 11002, CDBG CODE 03PARA2301

SUMMARY OF ESTIMATED QUANTITIES

SHEET NUMBER G–4

STATE OF LOUISIANA
LLOYD R. ERIKSON
License No. 31061
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

2019.03.26
13:12:26
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