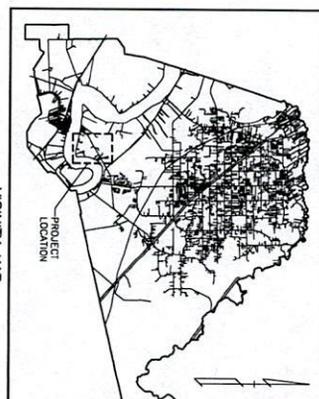
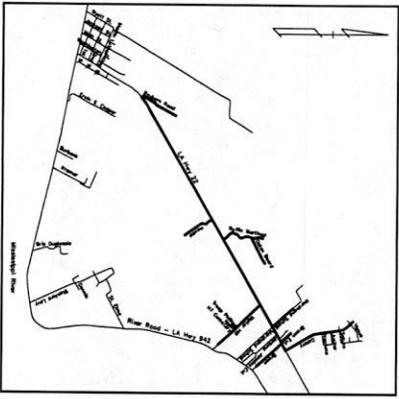


INDEX TO SHEETS

SHEET NO.	DESCRIPTION
C-1	TITLE SHEET AND LOCATION MAPS
C-2	GENERAL NOTES AND ABBREVIATIONS
C-3	GENERAL NOTES AND ABBREVIATIONS
C-4	SUMMARY OF ESTIMATED QUANTITIES
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C-30	SECTION
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C-32	SECTION
C-33	SECTION
C-34	SECTION
C-35	SECTION
C-36	SECTION
C-37	SECTION
C-38	SECTION
C-39	SECTION

**PLANS OF PROPOSED
ASCENSION PARISH
SEWER PROGRAM IMPROVEMENTS
(HILLARYVILLE, DARROW, AND
ASTROLAND)**

PROJECT CODE: SEWR 11002
CDBG CODE: 03PARA2301



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 CLOUTRE
COUNCILMAN, DISTRICT 6
- MR. AARON LAWLER
COUNCILMAN, DISTRICT 7
- MRS. TERI CASSO
COUNCILWOMAN, DISTRICT 8
- MR. TODD LAMBERT
COUNCILMAN, DISTRICT 9
- MR. JOHN CAGNOGLATTI
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 THROUGH THE LOUISIANA OFFICE OF COMMUNITY DEVELOPMENT-DESAIETY RECOVERY UNIT FOR RESIDENTS FROM HILLARYVILLE, DARROW AND ASTROLAND.

AS A REQUIREMENT UNDER LOUISIANA REVISED STATUTES AND PUBLIC WORKS CONSTRUCTION.



PLANS PREPARED BY
AND RECOMMENDED
FOR APPROVAL
DATE: 13-11-22
EVANS-GRAVES ENGINEERS, INC.
-05'00"



ASCENSION PARISH SEWER PROGRAM IMPROVEMENTS (HILLARYVILLE, DARROW, AND ASTROLAND) PROJECT CODE SEWR 11002, CDBG CODE 03PARA2301		DESIGNED: LAR	CHECKED: LAR	DATE: MARCH 2019
TITLE SHEET AND LOCATION MAPS		CHECKED: GEM	CHECKED: GEM	SHEET: C-1
NO.	DATE	REVISION DESCRIPTION		

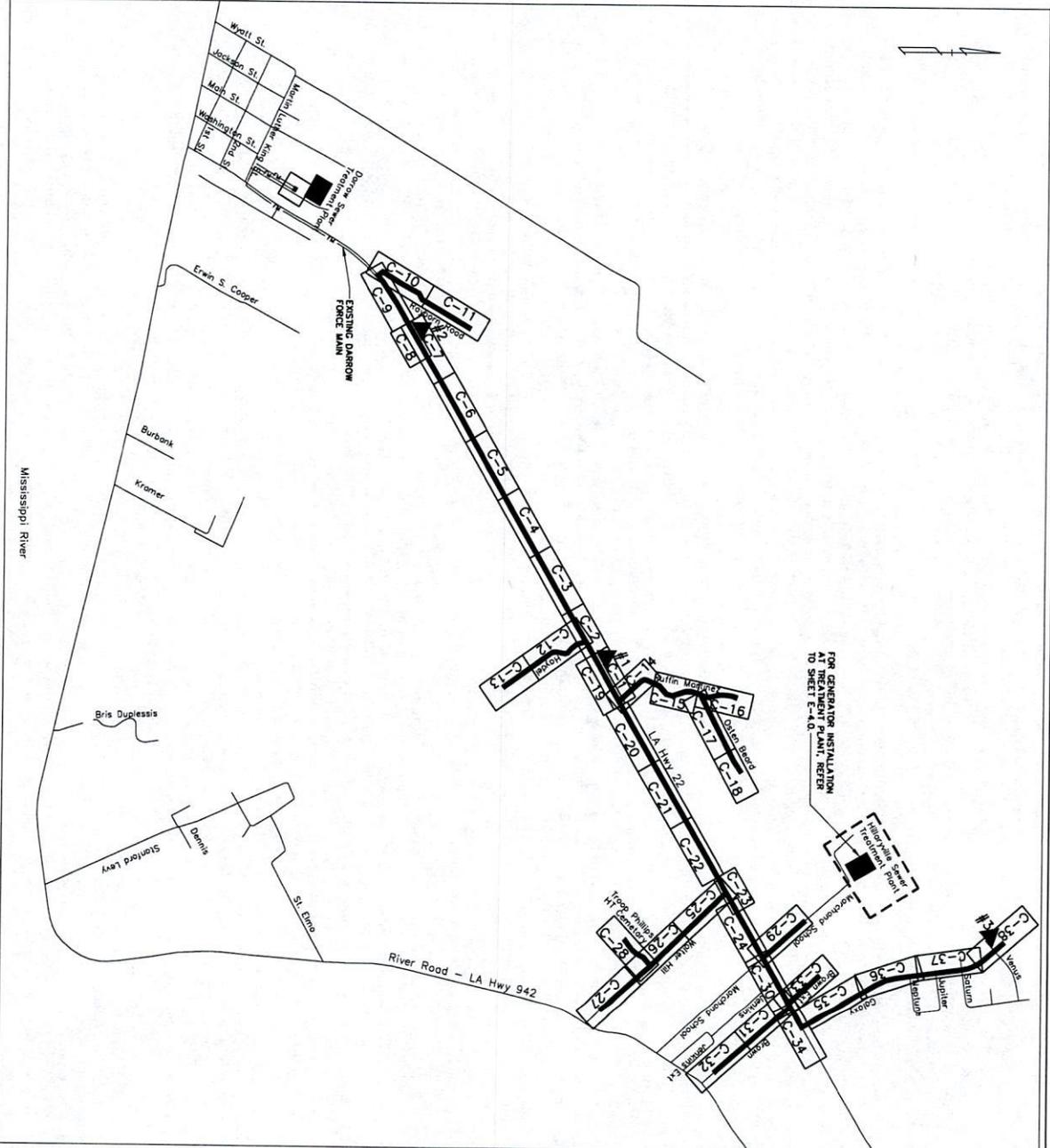


LEGEND:

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

— DENOTES SEWER IMPROVEMENTS REQUIRED IN THIS CONTRACT

▲ #1 DENOTES LEFT SIDE OF ROAD IMPROVEMENTS REQUIRED IN THIS CONTRACT



LAYOUT MAP
 600' 300' 0 300'
 SCALE: 1"=600'-0"

2019.03.26
 13:11:43
 -05:00'



SHEET NO. C-2		PROJECT: ASCENSION PARISH SEWER PROGRAM IMPROVEMENTS (HILLARYVILLE, DARROW, AND ASTROLAND) PROJECT CODE SEWR 11002, CDBG CODE 03PARA2301		DESIGNED: LAB CHECKED: LUC DETAILED: DWB CHECKED: JMC DATE: MARCH 2019 SHEET: C-1		EVANS-GRAVES ENGINEERS, INC. ENGINEERING CONSULTANTS 7017 GUYTON HWY. SUITE 200 BATON ROUGE, LA 70804 (225) 824-1820	
NO.	DATE	REVISION DESCRIPTION	BY				

BASE BID SUMMARY OF ESTIMATED QUANTITIES			
ITEM No.	QTY.	UNIT	DESCRIPTION OF ITEM
1	1	L.S.	CLEANING & GRUBBING
2	16	L.F.	12" REINFORCED CONCRETE PIPE
3	30	L.F.	18" REINFORCED CONCRETE PIPE
4	32	L.F.	24" REINFORCED CONCRETE PIPE
5	66	L.F.	24" REINFORCED CONCRETE PIPE
6	32	L.F.	30" REINFORCED CONCRETE PIPE
7	8	L.F.	18" CORRUGATED METAL PIPE
8	16	L.F.	18" CORRUGATED METAL PIPE
9	2136	L.F.	6" SANITARY SEWER MAIN (0'-8" DEPTH)
10	2719	L.F.	6" SANITARY SEWER MAIN (0'-8" DEPTH)
11	1915	L.F.	6" SANITARY SEWER MAIN (0'-10" DEPTH)
12	119	L.F.	6" SANITARY SEWER MAIN (10'-12" DEPTH)
13	17	L.F.	6" SANITARY SEWER MAIN (12'-18" DEPTH)
14	376	L.F.	6" SANITARY SEWER MAIN (0'-4" DEPTH)
15	1420	L.F.	6" SANITARY SEWER MAIN (0'-4" DEPTH)
16	1229	L.F.	6" SANITARY SEWER MAIN (0'-10" DEPTH)
17	1158	L.F.	6" SANITARY SEWER MAIN (10'-12" DEPTH)
18	2796	L.F.	6" SANITARY SEWER MAIN (12'-18" DEPTH)
19	889	L.F.	12" SANITARY SEWER MAIN (12'-18" DEPTH)
20	821	L.F.	12" SANITARY SEWER MAIN (12'-18" DEPTH)
21	80	L.F.	12" SANITARY SEWER MAIN (18'-20" DEPTH)
22	99	L.F.	12" SANITARY SEWER MAIN (12'-18" DEPTH)
23	509	L.F.	18" SANITARY SEWER MAIN (0'-10" DEPTH)
24	75	L.F.	18" SANITARY SEWER MAIN (10'-12" DEPTH)
25	647	L.F.	18" SANITARY SEWER MAIN (12'-18" DEPTH)
26	56	L.F.	6" SEWER MAIN JACK & BORE UNDER DITCH ON ROADWAY
27	40	L.F.	6" SEWER MAIN JACK & BORE UNDER DITCH ON ROADWAY
28	60	L.F.	10" SEWER MAIN JACK & BORE UNDER DITCH ON ROADWAY
29	90	L.F.	10" SEWER MAIN JACK & BORE UNDER DITCH ON ROADWAY
30	150	L.F.	24" STEEL CLAMP JACK & BORE
31	160	L.F.	30" STEEL CLAMP JACK & BORE
32	120	L.F.	30" STEEL CLAMP JACK & BORE
33	9	E.A.	4" SANITARY SEWER MANHOLE (0'-8" DEPTH)
34	15	E.A.	4" SANITARY SEWER MANHOLE (0'-8" DEPTH)
35	10	E.A.	4" SANITARY SEWER MANHOLE (0'-10" DEPTH)
36	11	E.A.	4" SANITARY SEWER MANHOLE (10'-12" DEPTH)
37	16	E.A.	4" SANITARY SEWER MANHOLE (12'-18" DEPTH)
38	2	E.A.	4" SANITARY SEWER MANHOLE (18'-20" DEPTH)
39	3	E.A.	5" SANITARY SEWER MANHOLE (0'-10" DEPTH)
40	1	E.A.	5" SANITARY SEWER MANHOLE (12'-18" DEPTH)
41	3	E.A.	5" SANITARY SEWER MANHOLE (18'-20" DEPTH)
42	1	E.A.	6" SANITARY SEWER MANHOLE (12'-18" DEPTH)
43	6	W	4" SANITARY SEWER MANHOLE DEEP CONNECTION
44	23	W	6" SANITARY SEWER MANHOLE DEEP CONNECTION
45	10	E.A.	48" RIGID VULC. & MANHOLE
46	24	E.A.	6" SANITARY SEWER VIT. BRICKS & SMOCK TERMINUS
47	28	E.A.	6" SANITARY SEWER VIT. BRICKS & SMOCK TERMINUS
48	23	E.A.	10" SANITARY SEWER VIT. BRICKS & SMOCK TERMINUS
49	10	E.A.	10" SANITARY SEWER VIT. BRICKS & SMOCK TERMINUS
50	1	E.A.	12" SANITARY SEWER VIT. BRICKS & SMOCK TERMINUS
51	6	E.A.	18" SANITARY SEWER VIT. BRICKS & SMOCK TERMINUS
52	1	E.A.	18" SANITARY SEWER VIT. BRICKS & SMOCK TERMINUS
53	133	E.A.	SANITARY SEWER RISER STACK AND 1/8" BRICKS
54	1413	L.F.	6" SERVICE LINE OPEN CUT RESTORATION
55	1149	L.F.	6" SERVICE LINE BRICK UNDER ROAD

BASE BID SUMMARY OF ESTIMATED QUANTITIES (CONT.)			
ITEM No.	QTY.	UNIT	DESCRIPTION OF ITEM
56	63	E.A.	HOSE CONNECTION
57	133	E.A.	6" PROP. LINE CLEANOUT WITH SMOCK SERVICE CONNECTION
58	3711	L.F.	4" UNRESTRAINED JOINT FORCE MAIN
59	358	L.F.	4" UNRESTRAINED JOINT FORCE MAIN
60	2535	L.F.	6" UNRESTRAINED JOINT FORCE MAIN
61	207	L.F.	6" UNRESTRAINED JOINT FORCE MAIN
62	637	TON	FITTINGS
63	7729	S.Y.	REMOVE ASPHALT PAVEMENT AND BASE; REPLACE WITH BASE
64	17448	L.F.	SANITARY 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	E.A.	LIFT STATION #1 COMPLETE
70	1	E.A.	LIFT STATION #2 COMPLETE
71	1	E.A.	LIFT STATION #3 COMPLETE
72	1	L.S.	DEMOLITION OF EXISTING LIFT STATION
73	3	E.A.	THE EXISTING SANITARY SEWER LINE TO NEW SEWER
74	1	L.S.	THE NEW SANITARY 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	E.A.	REMOVE & REPLACE TRAFFIC SIGNS
79	1	L.S.	S.M.P.P.S.
80	250	LB	SEED
81	1650	LB	FERTILIZER
82	4000	L.F.	S.C.T. FENCES
83	1	L.S.	GENERATION AT HILLMANVILLE SEWER TREATMENT PLANT
84	2	E.A.	STANDARD LADDER 08-01
85	2	E.A.	STANDARD LADDER R-08-11
86	1	L.S.	REMOVAL OF STRUCTURES AND OBSTRUCTIONS
87	10	E.A.	#31 STAKE FOR PIPE FOUNDATION
88	500	CF	EXPORTED MATERIAL (LADDER TYPE B)
89	500	CF	

2019.03.26
13:12:26
-05:00'



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

SUMMARY OF ESTIMATED QUANTITIES

NO.	DATE	REVISION DESCRIPTION	BY

DESIGNED	LAM
CHECKED	LAM
DRAWN	DRW
CHECKED	LAM
DATE	MARCH 2019
SHEET	C-1

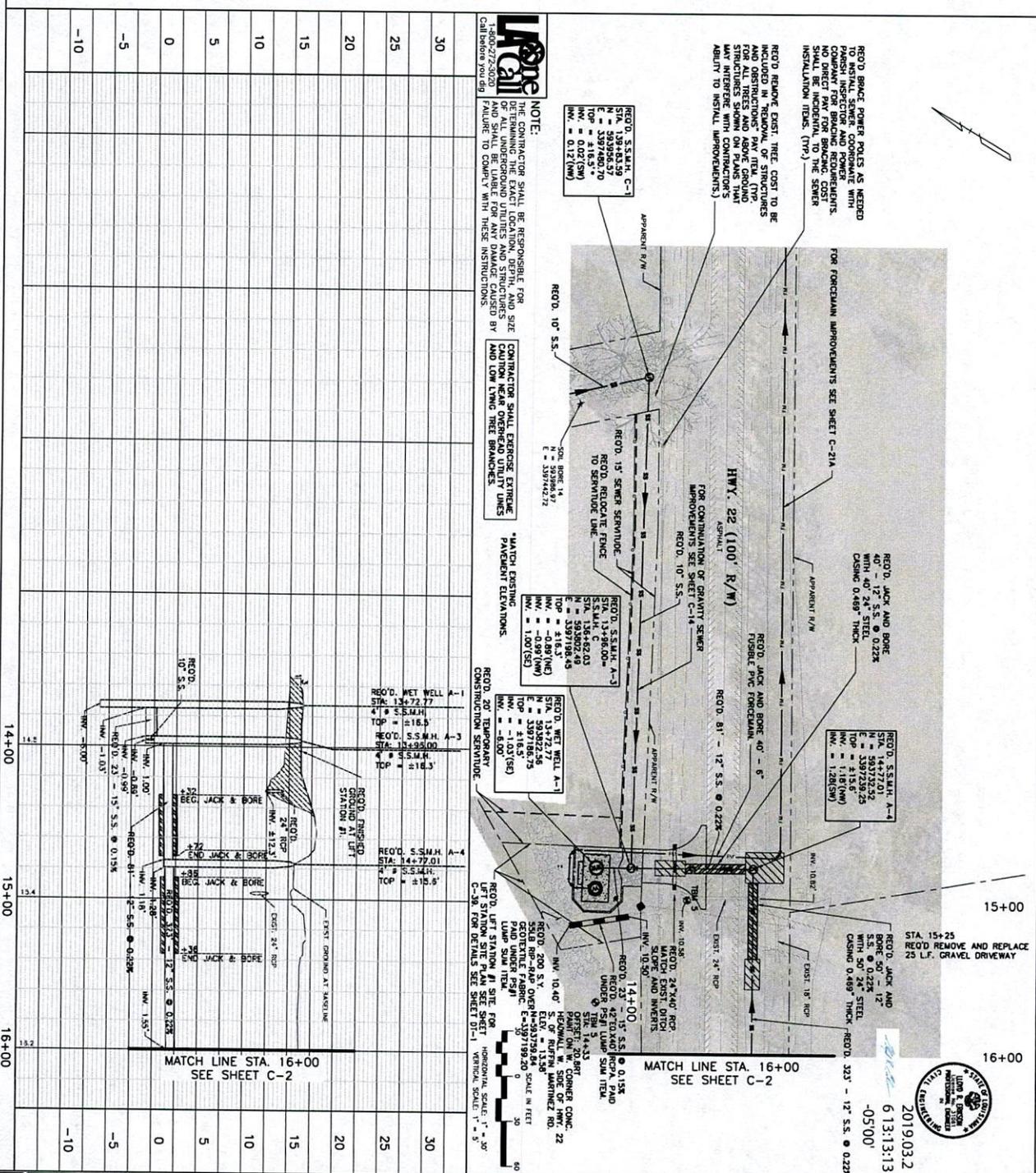
EVANS-CRAVES ENGINEERS, INC.
ENGINEERING CONSULTANTS
NEW ORLEANS, LA
SUITE 200
BATON ROUGE 70808
(225) 924-1420

LEGEND - EXISTING TOPOGRAPHY

- CONTROL POINT
- TEMPORARY BENCHMARK
- PAVEMENT EDGE
- SLOPE TO EDGE
- QUADRANTAL TOP
- TOP BENCH
- TOPOGRAPHIC POINT
- HIGH WATER MARK
- BOX CULVERT
- DRAINAGE MANHOLE TOP
- TREE
- WOODS EDGE
- HEAD CULVERT
- BUSH LINE
- BLEND
- FENCE LINE
- CATTLE GUARD
- RIGHT OF WAY MONUMENT
- COMBINATION POLE
- DIAGRAM
- GAS WELL
- GAS METER
- GAS VALVE
- GAS VALVE (NO METER)
- GAS VENT
- POWER POLE
- POWER JUNCTION BOX
- POWER DROP
- POWER TRANSFORMER
- OH ELECTRIC LINE
- SEWER LINE
- SEWER MANHOLE TOP
- SEWER CLEANOUT
- TRAFFIC SIGNAL POLE
- TRAFFIC SIGNAL POLE
- LIGHT POWER VAULT
- TELEPHONE POLE
- TELEPHONE POLE SIGNAL
- US TELEPHONE LINE
- WATER METER
- WATER METER
- WATER VALVE
- WATER VALVE VAULT
- POST
- ORNDORFF LIGHT
- FLAG POLE
- FIBER OPTIC LINE
- CABLE TV LINE
- SPE INLET CATCH BASIN
- DOUBLE SPE INLET CATCH BASIN
- JUNCTION BOX
- GRATE TOP INLET
- POWER POLE WITH CUY WIRE
- SOIL BORING

LEGEND - RECD IMPROVEMENTS

- FORCE MAIN
- GRAVITY SEWER
- SERVITUDE
- SANITARY SEWER MANHOLE
- SANITARY SEWER WET WELL
- AIR RELEASE VALVE IN SAN. SEWER PRECAST MANHOLE
- MECHANICAL JOINT VERTICAL OR HORIZONTAL (BEND ANGLE TO PLANS FOR RECD ANGLE)
- SEWER SERVICE LINE
- CLEAN OUT
- STEEL CASING
- JACK AND BORE PIT
- LIMESTONE
- FLOW ARROW



NOTE:
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SIZE AND LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES AND SHALL BE LABEL FOR ANY DAMAGE CAUSED BY AND LOW LYING TREE BRANCHES. UNLESS OTHERWISE NOTED OTHERWISE.

RECD. 20' TEMPORARY CONSTRUCTION SERVITUDE

RECD. 15' SEWER SERVITUDE

RECD. 10' S.S.

RECD. 12' S.S. @ 0.22%

2019.03.2
 6:13:13:13
 -05'00"



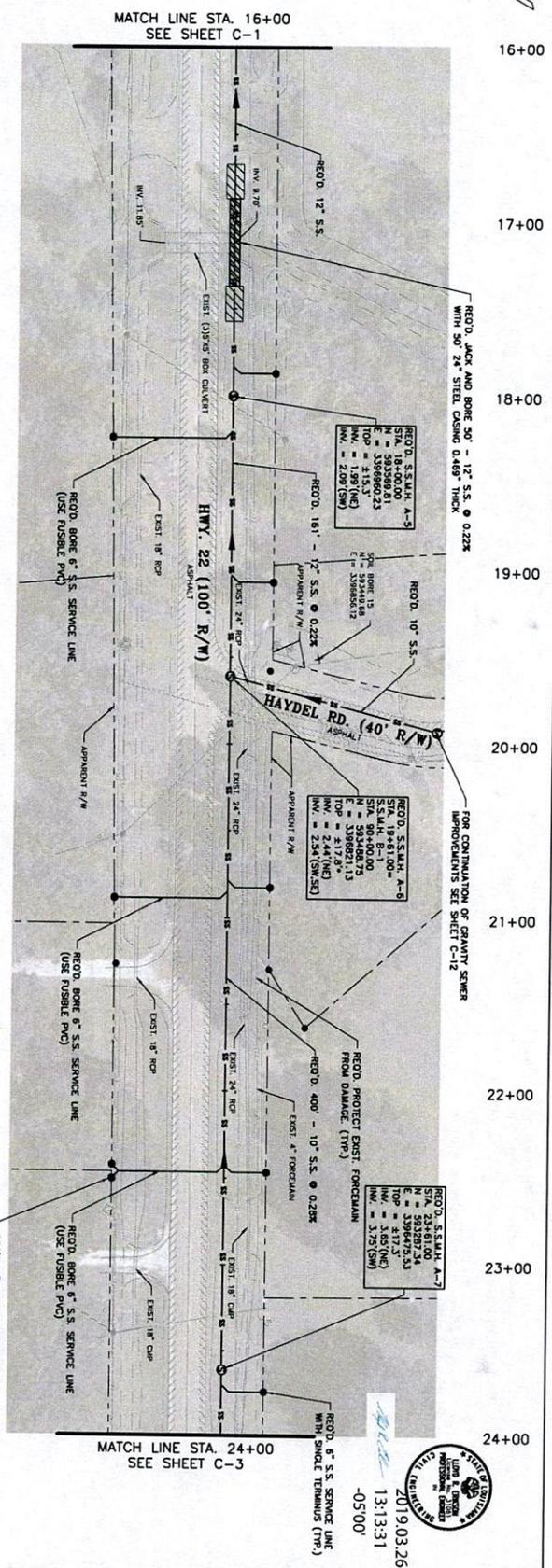
EVANS-GRAVES ENGINEERS, INC.
 ENGINEERING CONSULTANTS
 10083 TRAVIS R. GRIMES
 SUITE 200
 BATON ROUGE, LA 70808
 (225) 833-1820

DESIGNED	LR
CHECKED	LR
DRAWN	LR
CHECKED	LR
DATE	MARCH 2019
SHEET	C-1

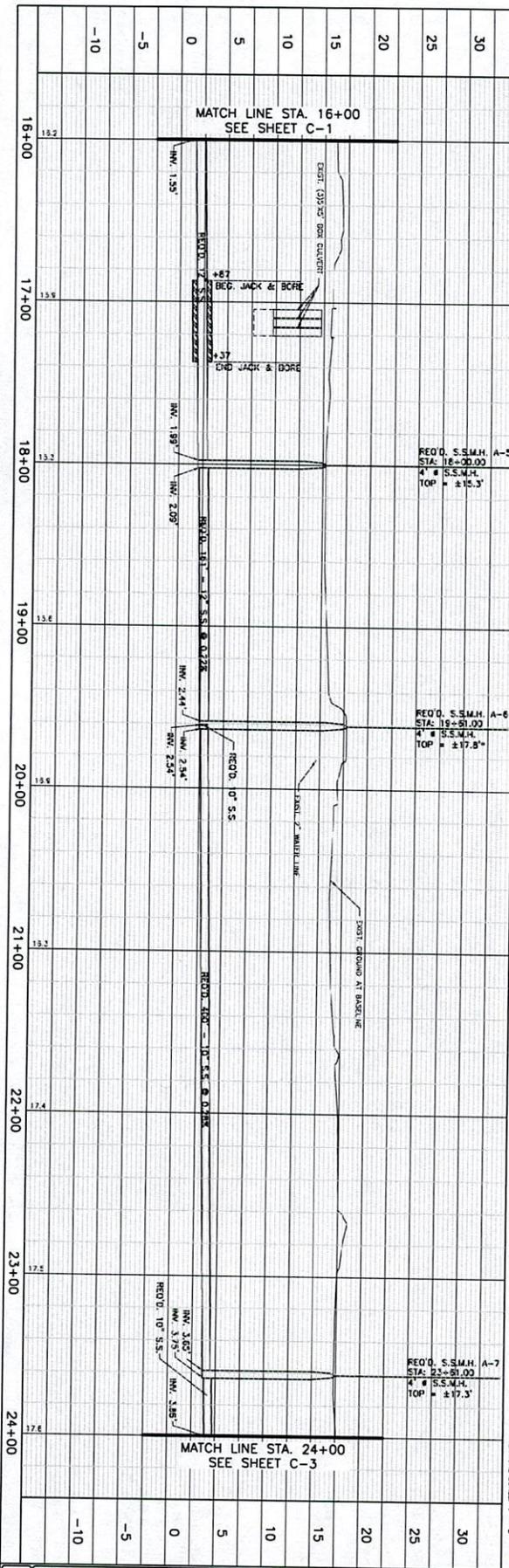
ASCENSION PARISH SEWER PROGRAM IMPROVEMENTS
 (HILLARYVILLE, DARROW, AND ASTROLAND)
 PROJECT CODE SEWR 11002, CDBG CODE 03PARA2301

PLAN & PROFILE - HWY. 22 GRAVITY

NO. DATE REVISION DESCRIPTION



NOTE:
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND SHALL BE LIABLE FOR ANY DAMAGE CAUSED BY FAILURE TO COMPLY WITH THESE INSTRUCTIONS.
 CONSTRUCTION SHALL EXERCISE EXTREME CARE TO PROTECT ALL EXISTING UTILITIES AND LOW VOLTAGE TREE BRANCHES.
 *MATCH EXISTING PAVEMENT ELEVATIONS.

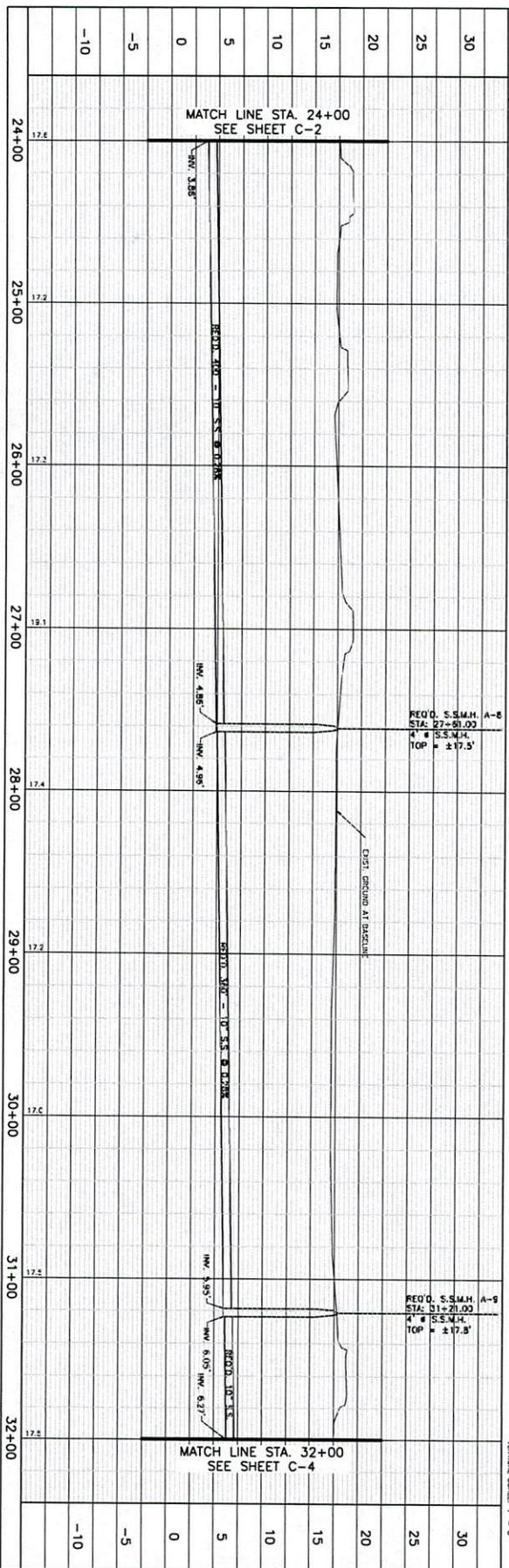
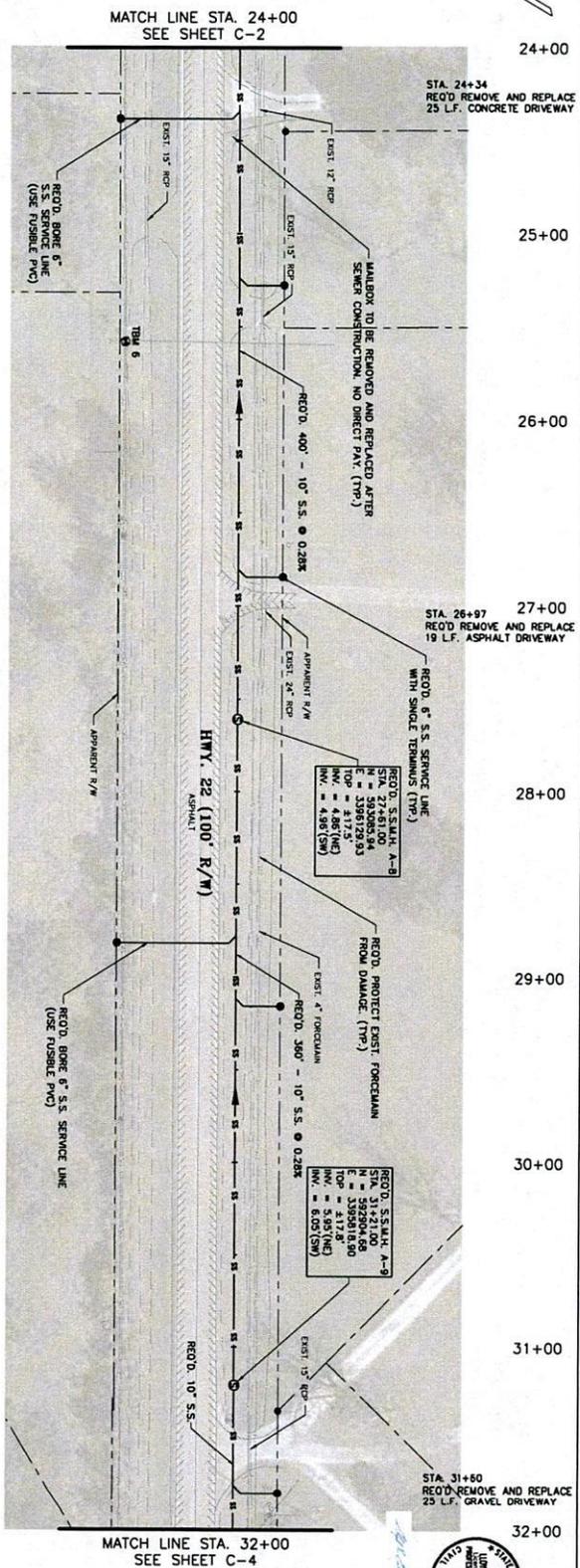


ASCENSION PARISH SEWER PROGRAM IMPROVEMENTS
 (HILLARYVILLE, DARROW, AND ASTROLAND)
 PROJECT CODE SEWR 11002, CDBG CODE 03PARA2301
 PLAN & PROFILE - HWY. 22 GRAVITY

NO.	DATE	REVISION DESCRIPTION

DESIGNED	LAB
CHECKED	LINE
DATE	MARCH 2018
SHEET	C-2

EVANS-CRAVES ENGINEERS, INC.
 ENGINEERING CONSULTANTS
 13-13-31
 20190326



NOTE:
 CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION, DEPTH, AND SIZE OF ALL UNDERGROUND UTILITIES AND STRUCTURES AND SHALL BE LIABLE FOR ANY DAMAGE CAUSED BY FAILURE TO CHECK WITH THESE INSTITUTIONS.
 CONTRACTOR SHALL EXERCISE EXTREME CAUTION NEAR OVERHEAD UTILITY LINES AND LOW VOLTAGE TREE BRANCHES.
 CALL BEFORE YOU DIG 1-800-272-3020

THM 6
 STA. 29+58
 OFFSET: 62.5 FT
 N. SIDE OF HWY 22
 ELEV. = 17.30
 E-33962732

REQD. S.S.M.H. A-8
 STA. 27+22
 TOP ± 17.5'

REQD. S.S.M.H. A-9
 STA. 31+21.00
 TOP ± 17.8'



2019.03.2
 6:13:13:47
 -05'00'

SEALS:
 STATE OF LOUISIANA
 PROFESSIONAL ENGINEER
 61313
 SEALS: 20190326
 6:13:13:47

SEALS:
 STATE OF LOUISIANA
 PROFESSIONAL ENGINEER
 61313
 SEALS: 20190326
 6:13:13:47

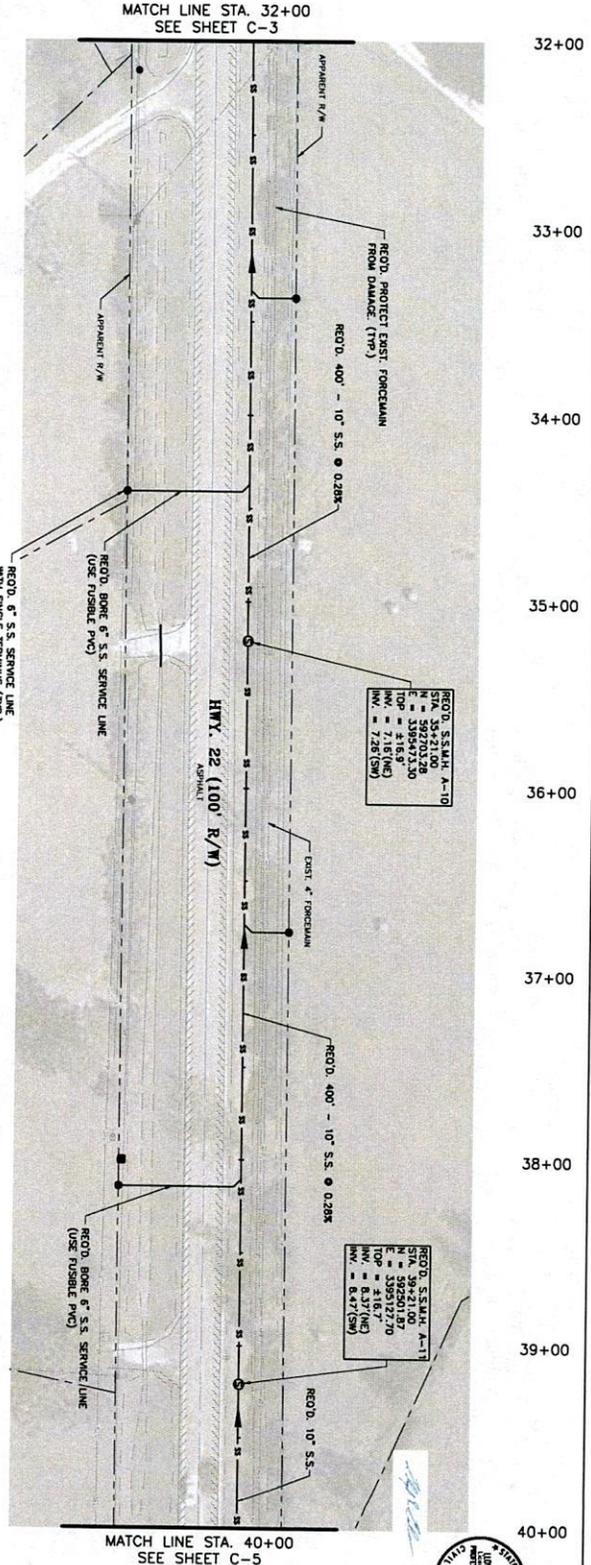
NO.	DATE	REVISION DESCRIPTION

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

PLAN & PROFILE - HWY. 22 GRAVITY

DESIGNED: LAB
 CHECKED: JMW
 DRAWN: JMW
 DATE: MARCH 2019
 SHEET: C-3

EVANS-GRAVES ENGINEERS, INC.
 ENGINEERING CONSULTANTS
 10701 ACADIAN HWY.
 SUITE 200
 BATON ROUGE, LA 70809
 (225) 834-1620



RECO. S.S. MAN. A-10
 STA. 35+21.00
 INVERT = 7.18 (NE)
 HW. = 7.28 (SW)

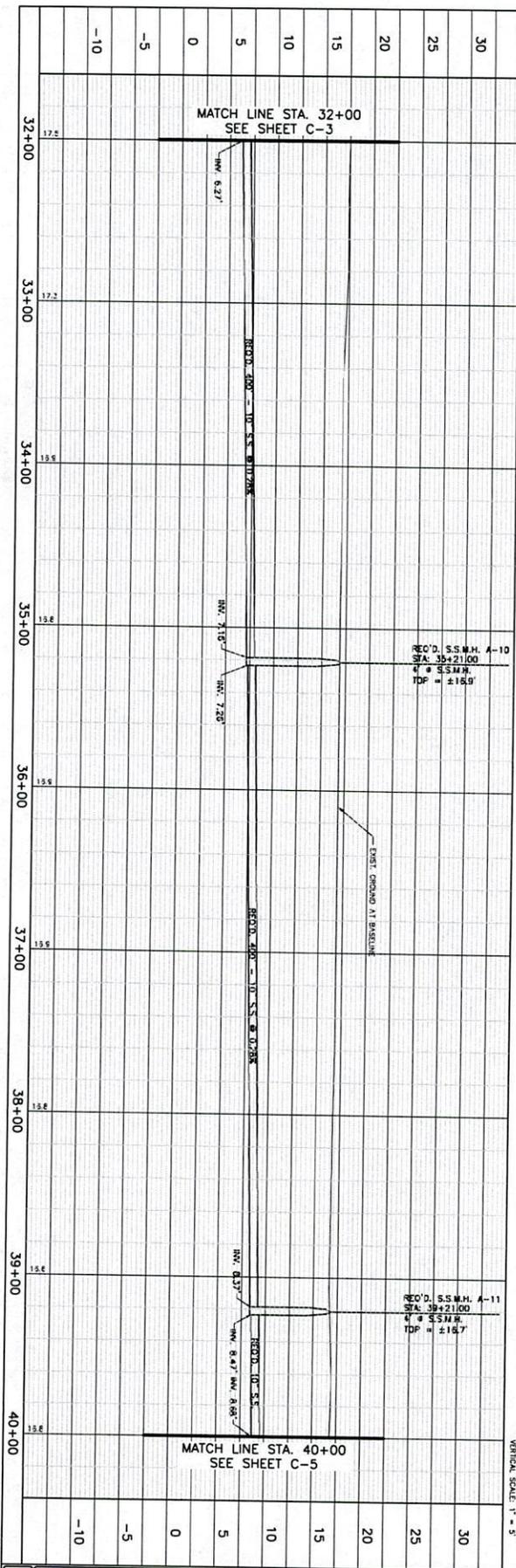
RECO. S.S. MAN. A-11
 STA. 39+21.00
 INVERT = 8.37 (NE)
 HW. = 8.47 (SW)

2019.03.26
 13:14:02
 -05'00"



NOTE:
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND UTILITIES AND STRUCTURES BY CALLING THE UTILITY LOCATING SERVICE (1-800-277-3400) PRIOR TO CONSTRUCTION. FAILURE TO COMPLY WITH THESE INSTRUCTIONS AND SHALL BE LIABLE FOR ANY DAMAGE CAUSED BY SUCH FAILURE TO COMPLY WITH THESE INSTRUCTIONS.

CONTRACTOR SHALL EXERCISE EXTREME CARE IN THE CONSTRUCTION OF ALL UNDERGROUND UTILITIES AND STRUCTURES TO AVOID DAMAGE TO EXISTING UTILITIES AND LOW VOLTAGE TREE BRANCHES.

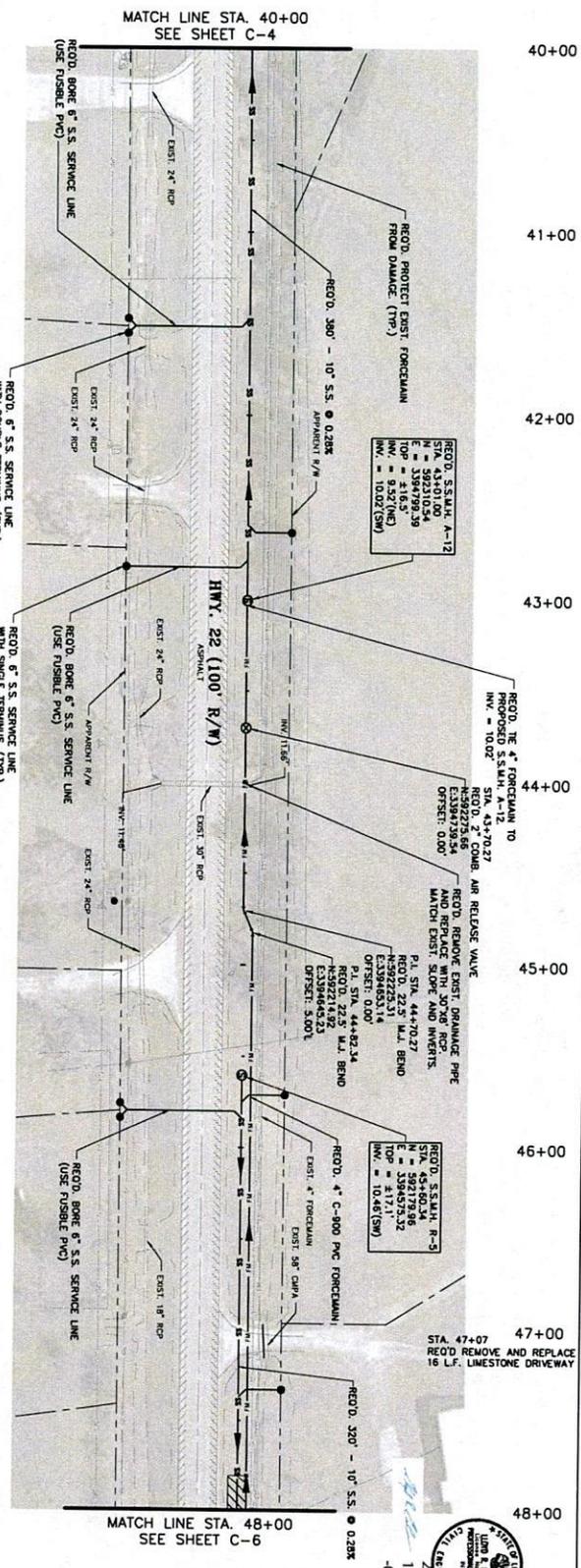


NO.	DATE	REVISION DESCRIPTION

ASCENSION PARISH SEWER PROGRAM IMPROVEMENTS
 (HILLARYVILLE, DARROW, AND ASTROLAND)
 PROJECT CODE SEWR 11002, CDBG CODE 03PARA2301
 PLAN & PROFILE - HWY. 22 GRAVITY

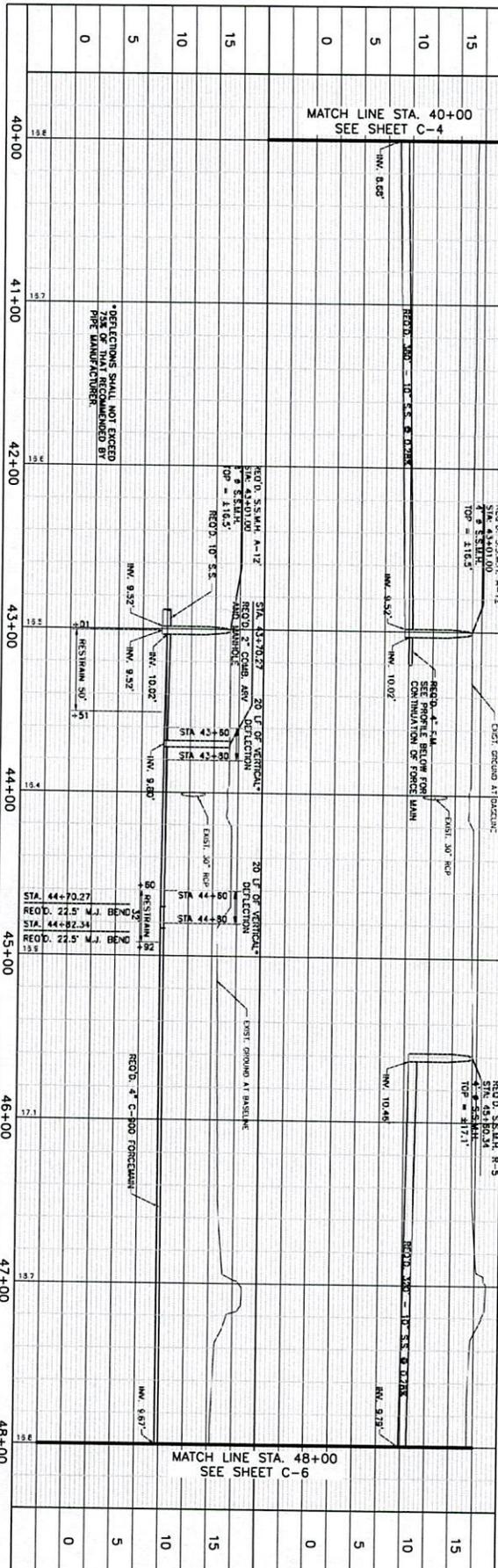
DESIGNED	LAB
CHECKED	LINE
DRAWN	
CHECKED	
DATE	MARCH 2019
SHEET	C-4

EVANS-CRAVES ENGINEERS, INC.
 ENGINEERING CONSULTANTS
 8015 LEBLANC HWY.
 SUITE 202
 BATON ROUGE, LA 70809
 (225) 924-1920



NOTE:
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SIZE AND LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES AND SHALL BE LIABLE FOR ANY DAMAGE CAUSED BY FAILURE TO COMPLY WITH THESE INSTRUCTIONS.
 CONTRACTOR SHALL EXERCISE EXTREME CAUTION NEAR OVERHEAD UTILITY LINES AND LOW VOLTAGE TREE BRANCHES.

RECD. 24\"/>

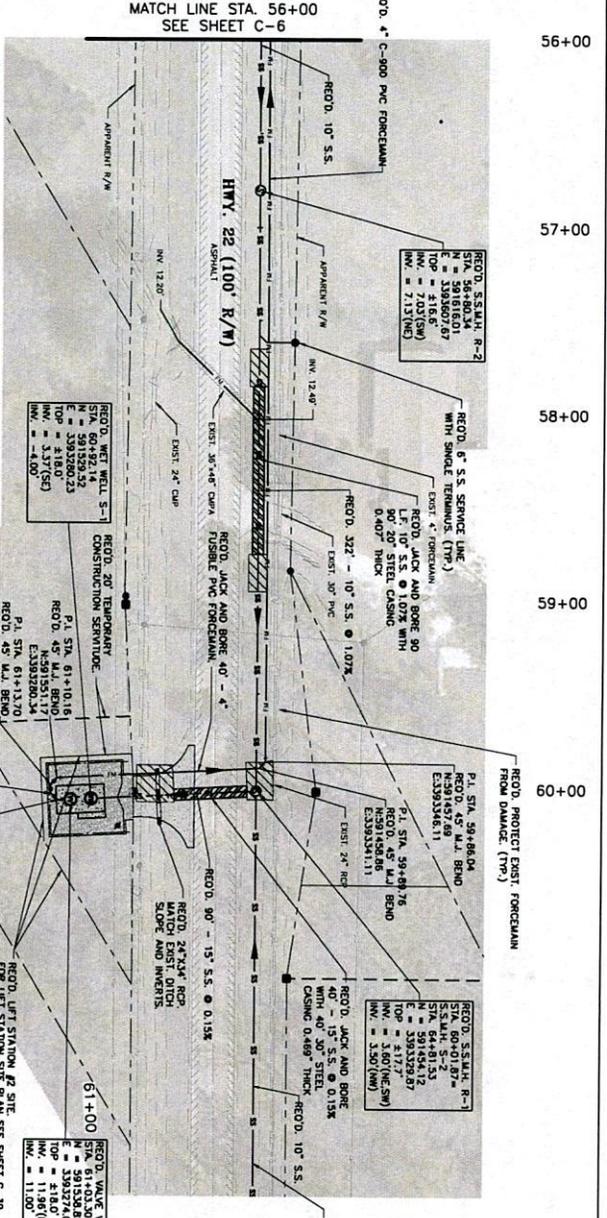


SCALE IN FEET
 HORIZONTAL SCALE: 1" = 30'
 VERTICAL SCALE: 1" = 5'

2019 03 26
 13:14:18
 -05'00"

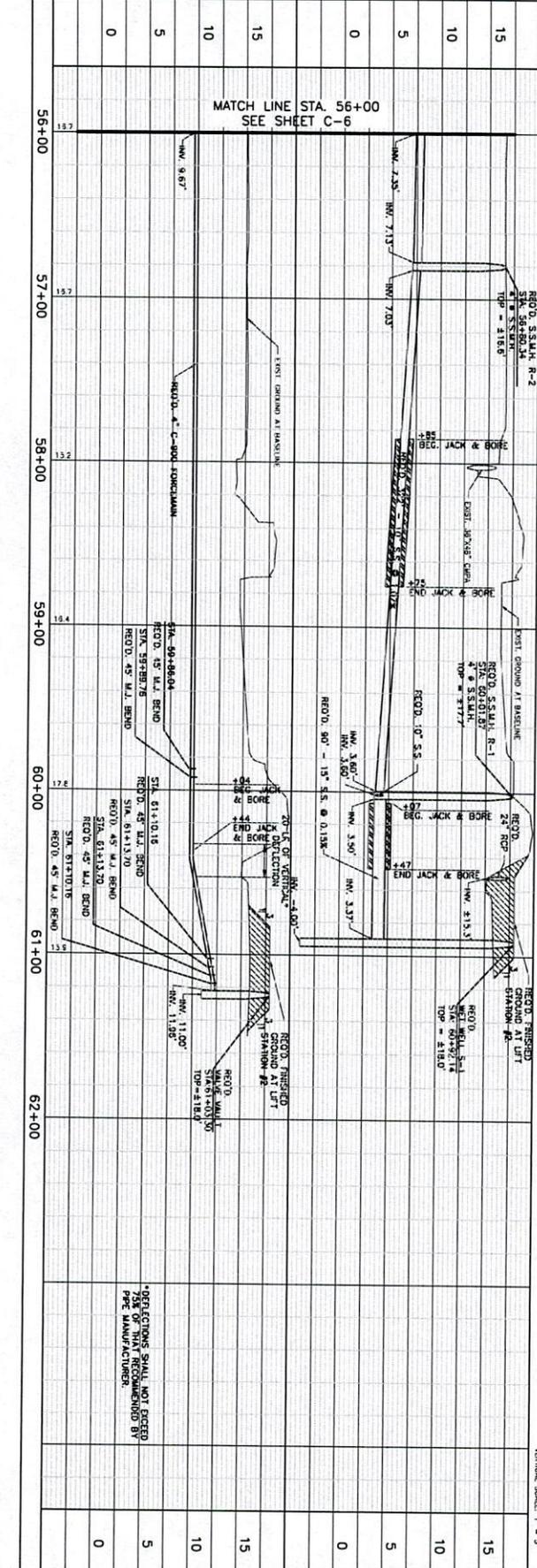


C-5	ASCENSION PARISH SEWER PROGRAM IMPROVEMENTS (HILLARYVILLE, DARROW, AND ASTROLAND) PROJECT CODE SEWR 11002, CDBG CODE 03PARA2301		DESIGNED	LAB
	PLAN & PROFILE - HWY. 22 GRAVITY & FORCEMAIN		CHECKED	CHK
			DATE	MARCH 2019
			SHEET	C-5



2019.03.26
13:14:50
-05'00"

RECORD 4' C-900 PVC FORCEMAIN
RECORD 10' S.S.
RECORD 6' S.S. SERVICE LINE WITH SINGLE TERMINUS (TTP)
RECORD JACK AND BORE 90' LF 10' S.S. @ 1.07% WITH 0.489\"/>



RECORD 4' C-900 PVC FORCEMAIN
RECORD 10' S.S.
RECORD 6' S.S. SERVICE LINE WITH SINGLE TERMINUS (TTP)
RECORD JACK AND BORE 90' LF 10' S.S. @ 1.07% WITH 0.489\"/>

NOTE:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SIZE AND LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES FOR FAILURE TO COMPLY WITH THESE INSTRUCTIONS.

CONTRACTOR SHALL EXERCISE EXTREME CARE TO PROTECT ALL EXISTING UTILITIES AND STRUCTURES.

CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES AND STRUCTURES.

CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES AND STRUCTURES.

CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES AND STRUCTURES.

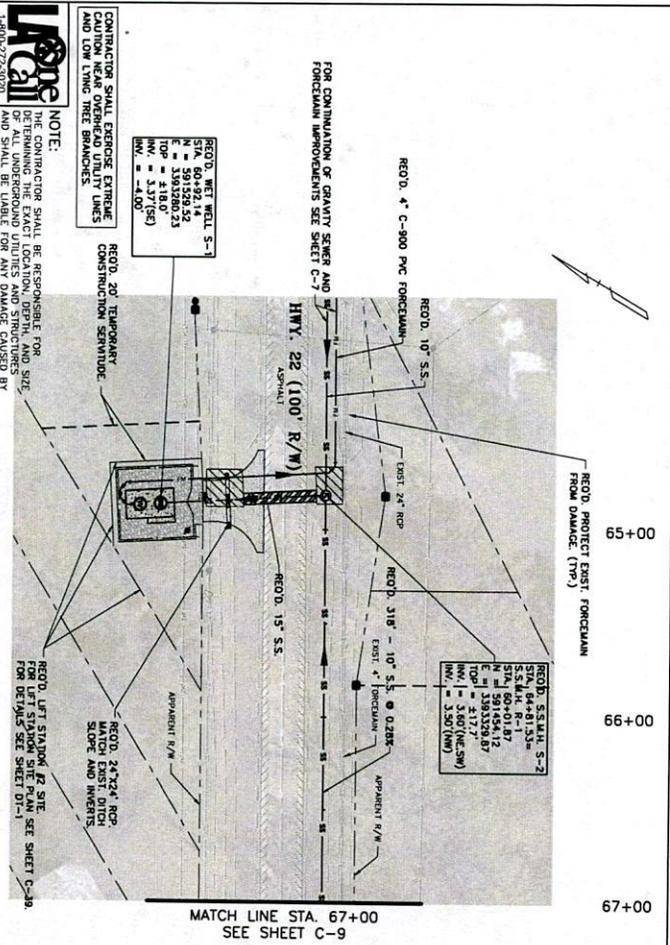
SCALE IN FEET
HORIZONTAL SCALE: 1" = 30'
VERTICAL SCALE: 1" = 5'

	DESIGNED BY	DATE
	CHECKED BY	MARCH 2019
	RETAINED BY	C-7
	CHECKED BY	
	DATE	
	SHEET	

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

PLAN & PROFILE - HWY. 22 GRAVITY & FORCEMAIN

REVISION DESCRIPTION



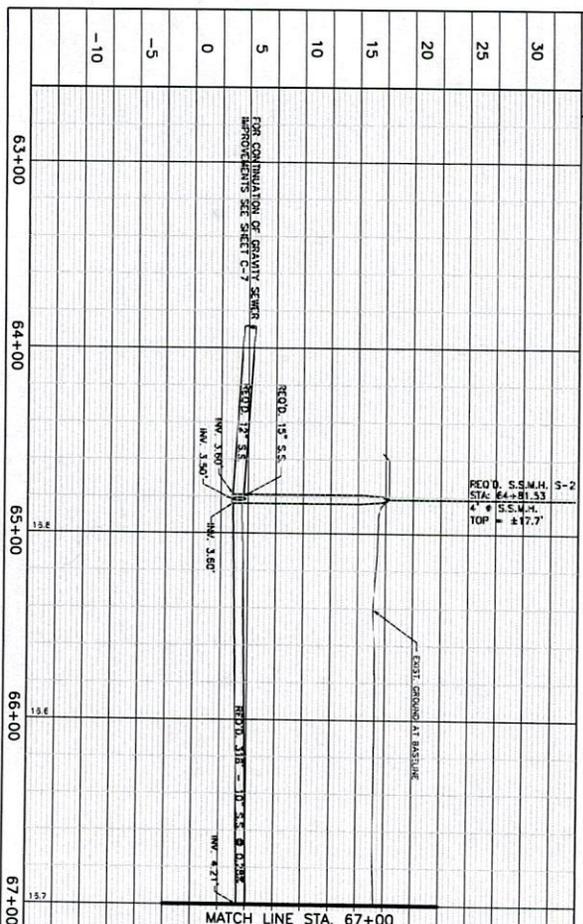
NOTE:
 CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND UTILITIES AND STRUCTURES AND SHALL BE LIABLE FOR ANY DAMAGE CAUSED BY FAILURE TO COMPLY WITH THESE INSTRUCTIONS.
 1-800-272-5020
 Call before you dig

RECD. 10\"/>

RECD. 15\"/>

RECD. 24\"/>

RECD. 24\"/>



MATCH LINE STA. 67+00
 SEE SHEET C-9



2019.03.26
 13:15:11
 -05'00"



EVANS-GRAVES ENGINEERS, INC.
 ENGINEERING CONSULTANTS
 14475 WOODLARK DRIVE
 SUITE 200
 BATON ROUGE, LA 70808
 (225) 924-1420

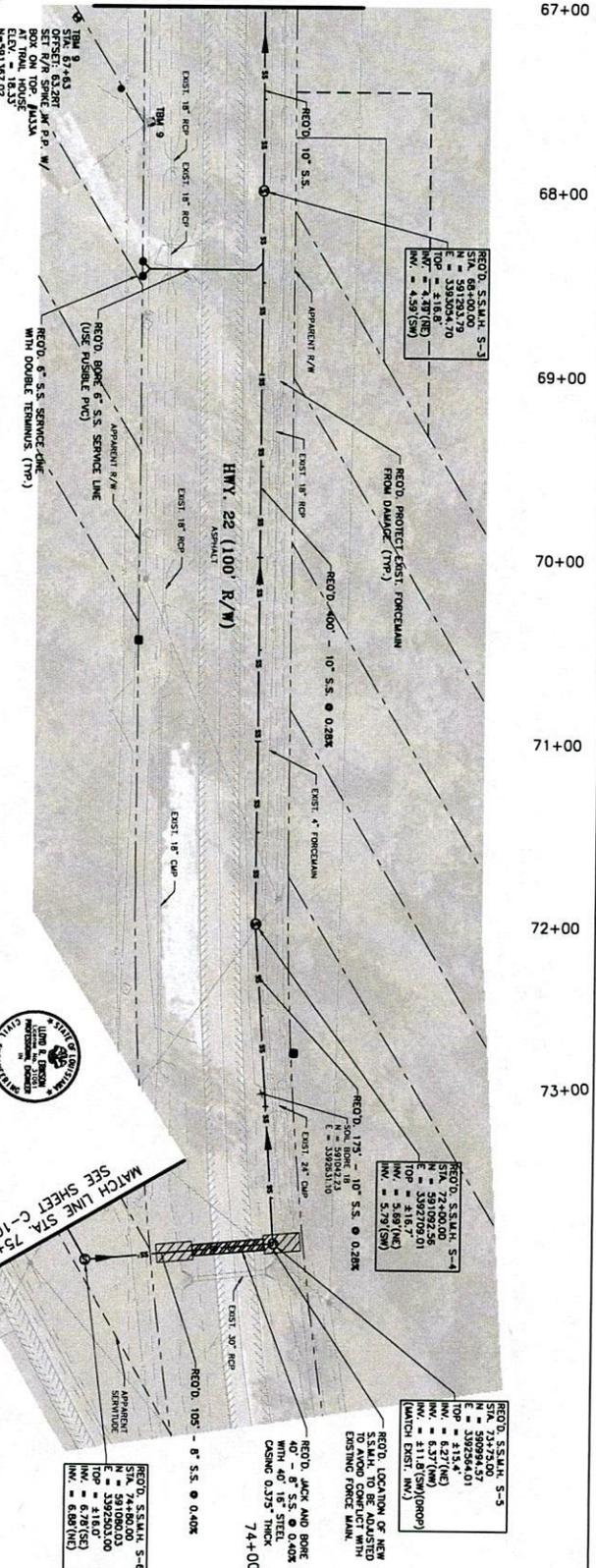
NO.	DATE	REVISION DESCRIPTION

DESIGNED: LAB
 CHECKED: LNE
 RETIRED: DRW
 CHECKED: LNE
 DATE: MARCH 2019
 SHEET: C-8

ASCENSION PARISH SEWER PROGRAM IMPROVEMENTS
 (HILLARYVILLE, DARROW, AND ASTROLAND)
 PROJECT CODE SEWR 11002, CDBG CODE 03PARA2301
 PLAN & PROFILE - HWY. 22 GRAVITY

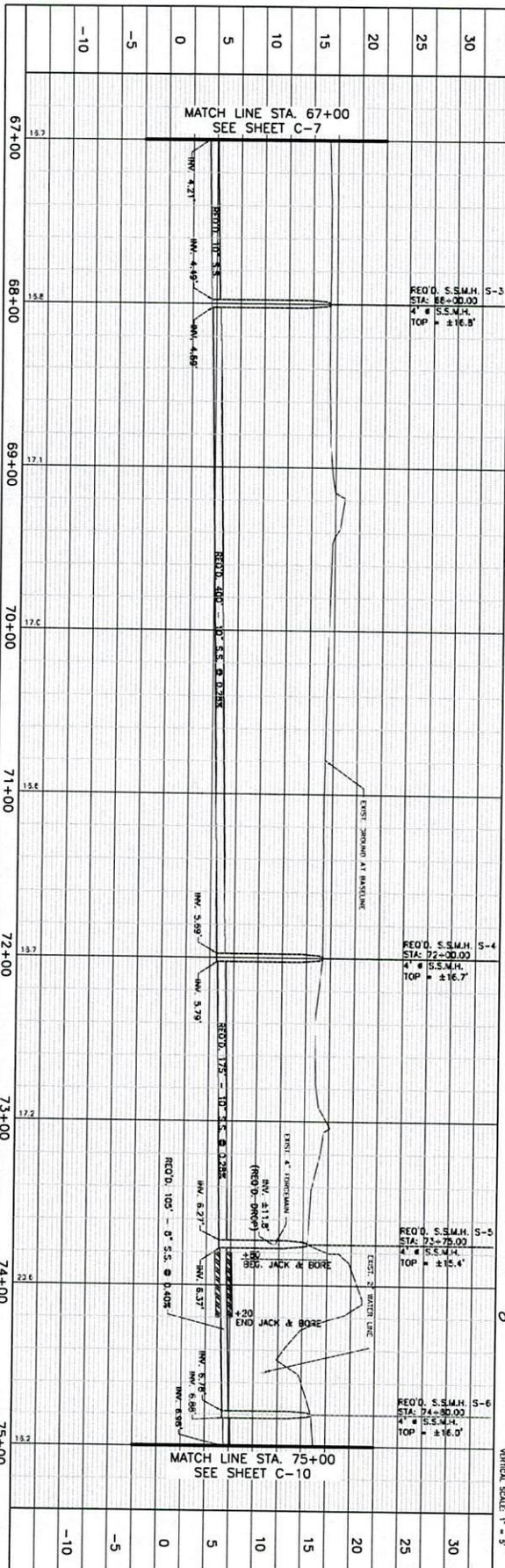


MATCH LINE STA. 67+00
SEE SHEET C-7

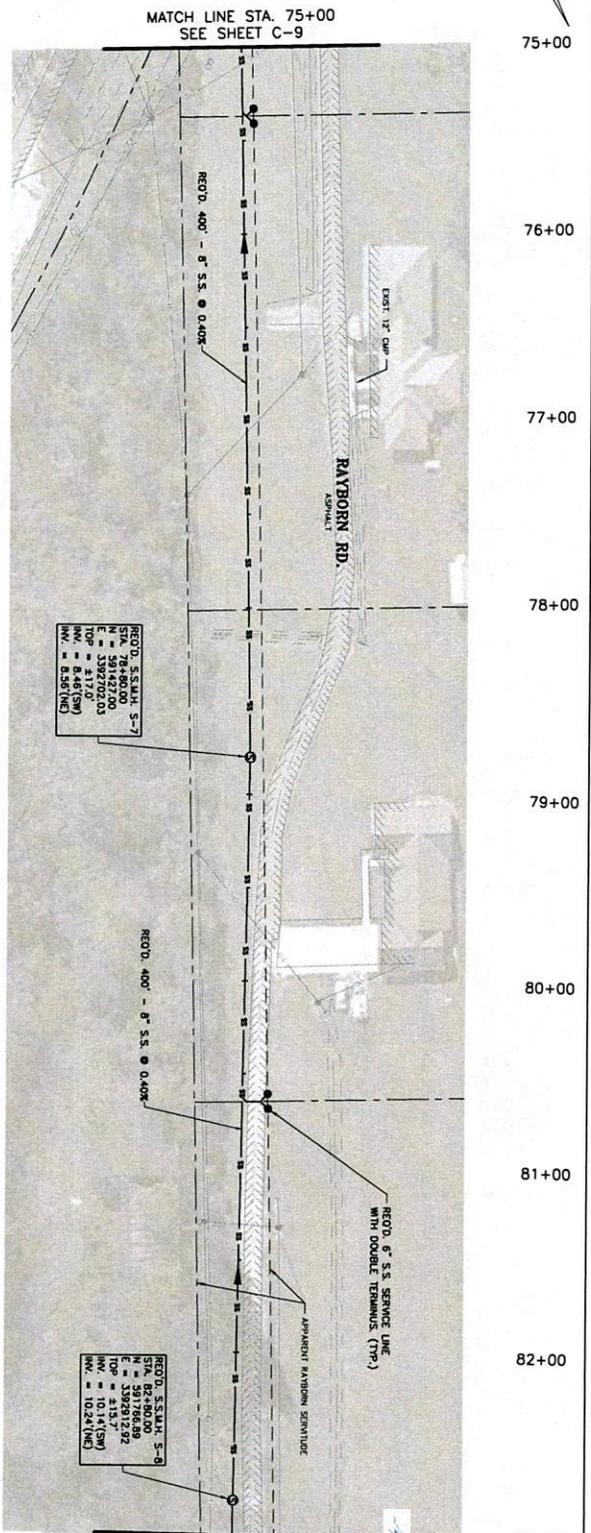


NOTE:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SIZE OF ALL UNDERGROUND UTILITIES AND STRUCTURES BY AND SHALL BE LIABLE FOR ANY DAMAGE CAUSED BY FAILURE TO COMPLY WITH THESE INSTRUCTIONS.
EQUIPMENT SHALL EXERCISE EXTREME CAUTION OVERHEAD POWER LINES AND LOW VOLTAGE TREE BRANCHES.
CALL BEFORE YOU DIG
1-800-272-3000
One Call
E-339200432

2019.03.26
13:15:30 -05'00'



SHEET NO. C-9	ASCENSION PARISH SEWER PROGRAM IMPROVEMENTS (HILLARYVILLE, DARROW, AND ASTROLAND) PROJECT CODE SEWR 11002, CDBG CODE 03PARA2301		DESIGNED LAB	EVANS-CRAVES ENGINEERS, INC. ENGINEERING CONSULTANTS 2025 GRIFFIN HWY. SUITE 202 BATON ROUGE, LA 70808 (225) 624-1920
	PLAN & PROFILE - HWY. 22 & RAYBORN ROAD GRAVITY		DATE SHEET	
NO.	DATE	REVISION DESCRIPTION	BY	



MATCH LINE STA. 83+00
SEE SHEET C-11

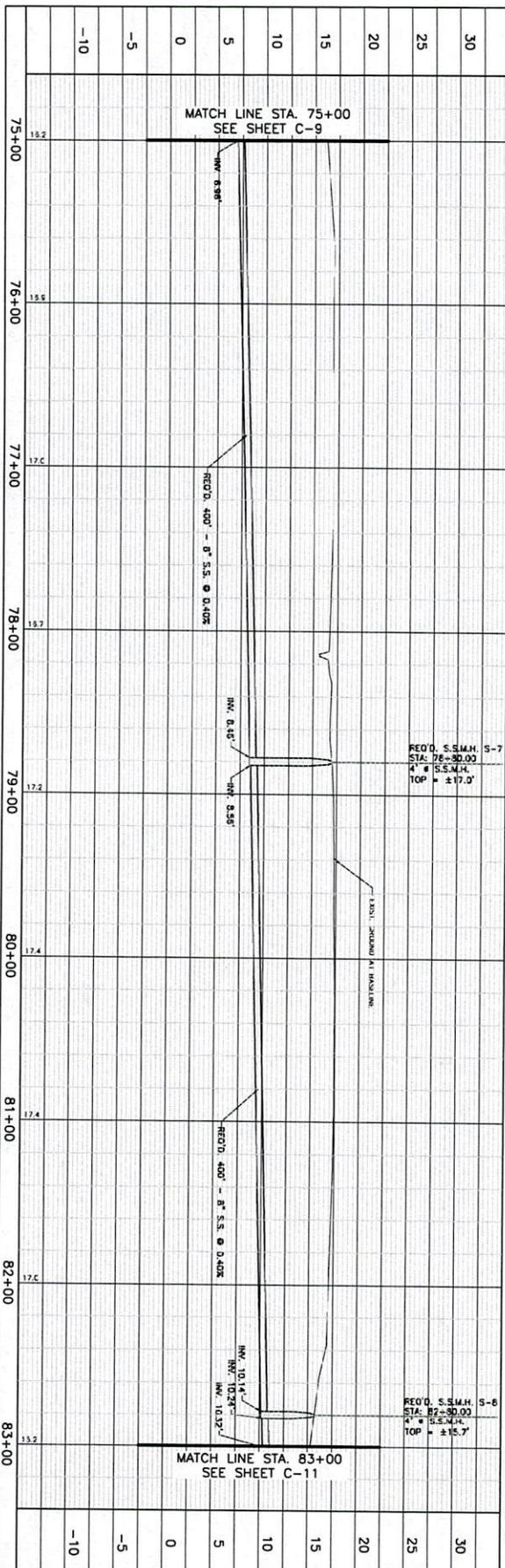
RECO. 6" S.S. SERVICE LINE WITH DOUBLE TERMINUS (TTP-)

APPARENT RAYBORN SERVICE

2019.03.26
13:16:08
-05:00'

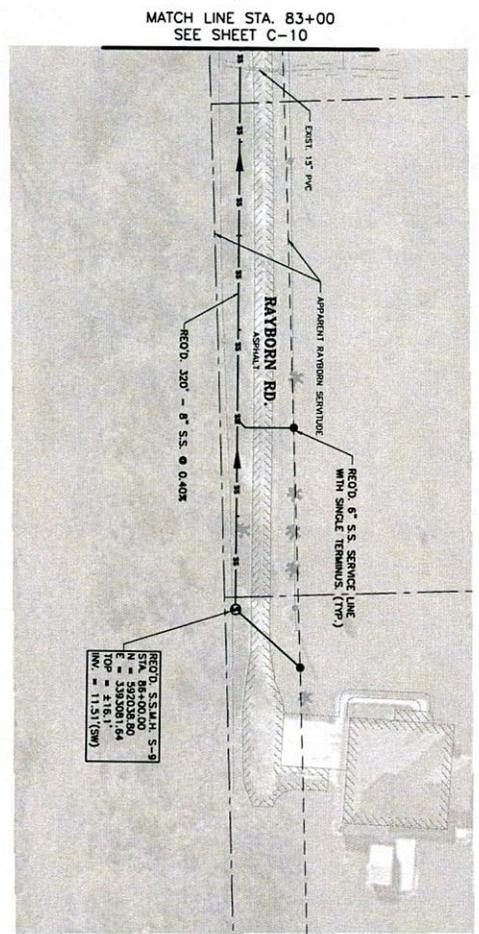
NOTE:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL UNDERGROUND UTILITIES AND STRUCTURES BY AND SHALL BE LIABLE FOR ANY DAMAGE CAUSED BY FAILURE TO COMPLY WITH THESE INSTRUCTIONS.

CONTRACTOR SHALL EXERCISE EXTREME CAUTION NEAR OVERHEAD UTILITY LINES AND LOW VOLTAGE TREE BRANCHES.



SCALE IN FEET
HORIZONTAL SCALE: 1" = 30'
VERTICAL SCALE: 1" = 5'

SHEET NUMBER C-10	ASCENSION PARISH SEWER PROGRAM IMPROVEMENTS (HILLARYVILLE, DARROW, AND ASTROLAND) PROJECT CODE SEWR 11002, CDBG CODE 03PARA2301		DESIGNED LAW	CHECKED LAW	DATE MARCH 2018	EVANS-GRAVES ENGINEERS, INC. ENGINEERING CONSULTANTS 7027 AIR FORCE HWY. SUITE 200 BATON ROUGE, LA 70806 (225) 926-1630
	PLAN & PROFILE - RAYBORN ROAD GRAVITY		DATE MARCH 2018	CHECKED LAW	SHEET C-10	
NO.	DATE	REVISION DESCRIPTION	BY			

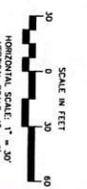
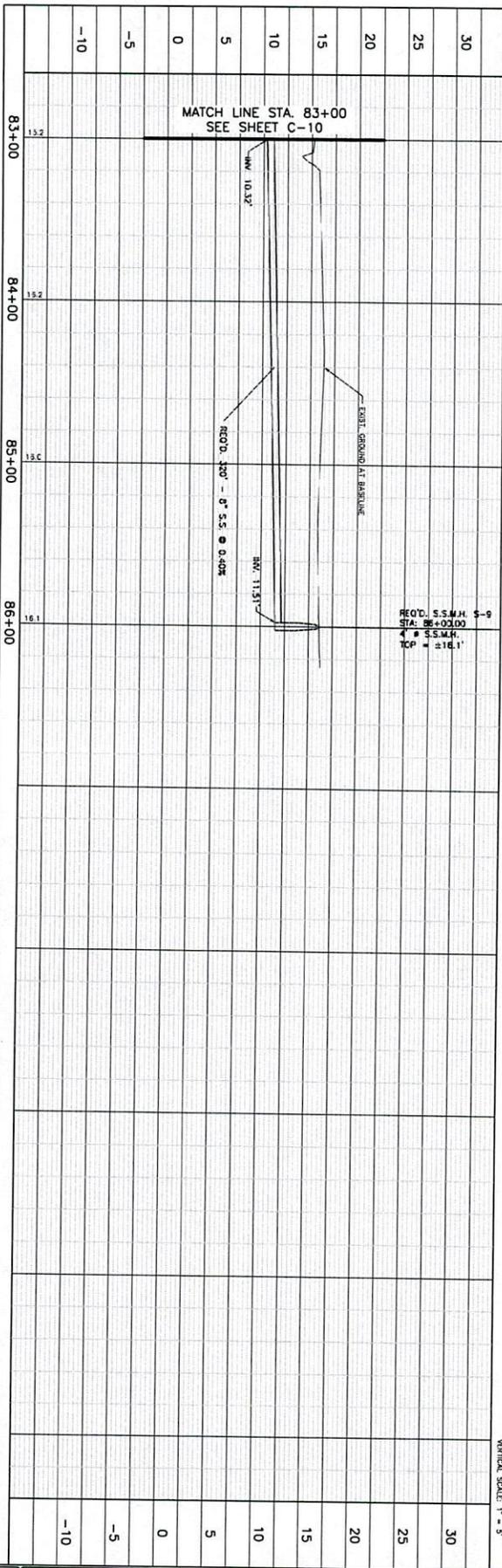


83+00
84+00
85+00
86+00



NOTE:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SIZE AND LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES AND SHALL BE LIABLE FOR ANY DAMAGE CAUSED BY FAILURE TO COMPLY WITH THESE INSTRUCTIONS.

CONTRACTOR SHALL EXERCISE EXTREME CARE TO PROTECT ALL EXISTING UTILITIES AND LOW VOLTAGE TREE BRANCHES.



2019.03.26
13:16:23
-05'00"



ASCENSION PARISH SEWER PROGRAM IMPROVEMENTS
(HILLARYVILLE, DARROW, AND ASTROLAND)
PROJECT CODE SEWR 11002, CDBG CODE 03PARA2301
PLAN & PROFILE RAYBORN ROAD GRAVITY

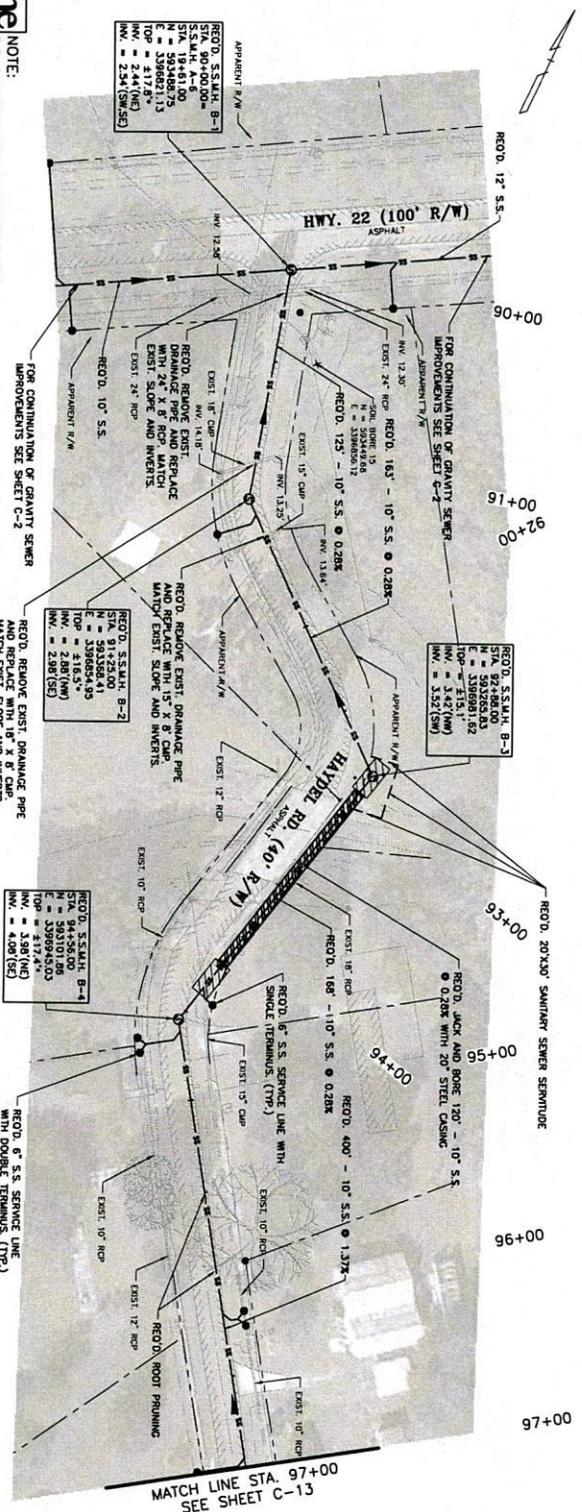
NO.	DATE	REVISION DESCRIPTION

DESIGNED	LAB
CHECKED	LINE
DATE	MARCH 2019
SHEET	C-11

EVANS-GRAVES ENGINEERS, INC.
ENGINEERING CONSULTANTS
1075 GUYTON HWY.
SUITE 200
BATON ROUGE, LA 70809
(225) 824-1820



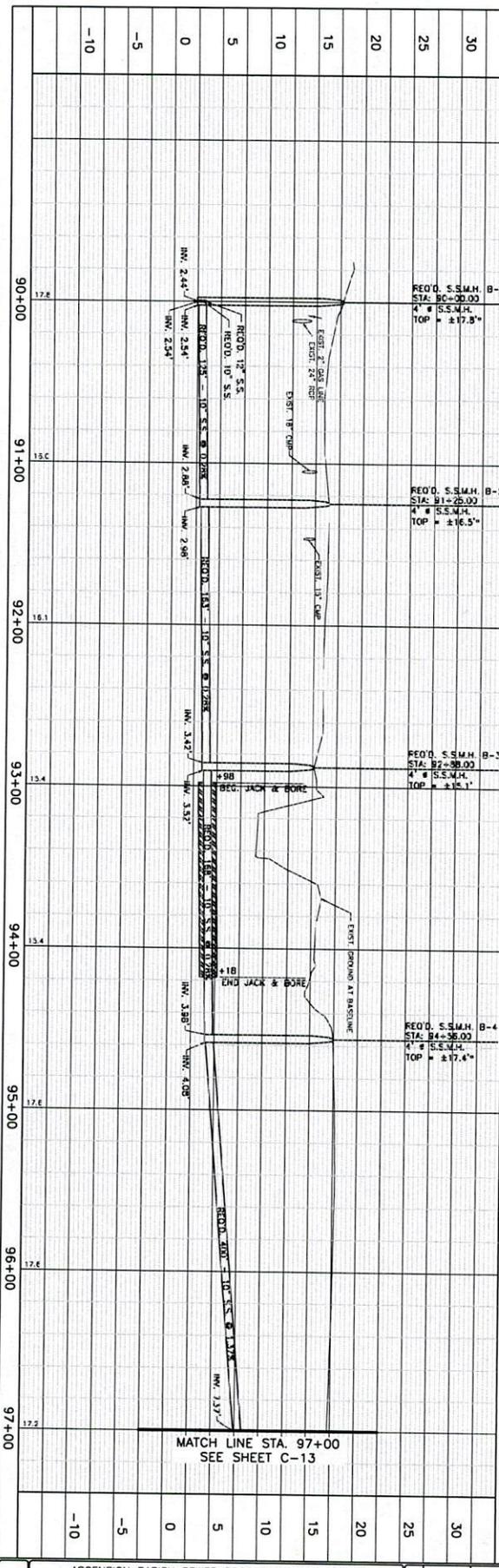
2019.03.26
13:16:37
-05'00"



NOTE:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SIZE OF ALL UNDERGROUND UTILITIES AND STRUCTURES BY FAILURE TO COMPLY WITH THESE INSTRUCTIONS.
CALL BEFORE YOU DIG
1-800-277-2020

NOTE:
CONTRACTOR SHALL REVERSE EXTREME IMPROVEMENTS NEAR OVERHEAD POWER LINES AND LOW VOLTAGE TREE BRANCHES.
FOR CONTINUATION OF GRAVITY SEWER IMPROVEMENTS SEE SHEET C-2

***MATCH EXISTING PAVEMENT ELEVATIONS.**
REDO REMOVE EXIST. DRAINAGE PIPE AND REPLACE WITH 18" X 8" CAP. MATCH EXIST. SLOPE AND INVERTS.



MATCH LINE STA. 97+00
SEE SHEET C-13

C-12

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

PLAN & PROFILE - HAYDEL ROAD GRAVITY

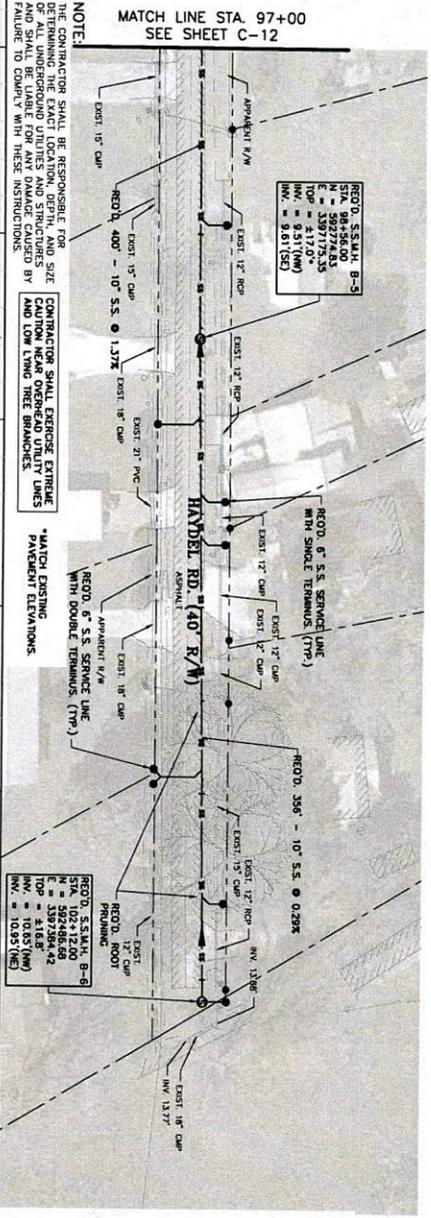
DESIGNED	LAB
CHECKED	LAB
DRAWN	LAB
CHECKED	LAB
DATE	MARCH 2018
SHEET	C-12



EVANS-GRAVES ENGINEERS, INC.
ENGINEERING CONSULTANTS
WITH OFFICES IN:
BAYTOWN, LA
BATON ROUGE, LA
(225) 924-1920



97+00
98+00
99+00
100+00
101+00
102+00

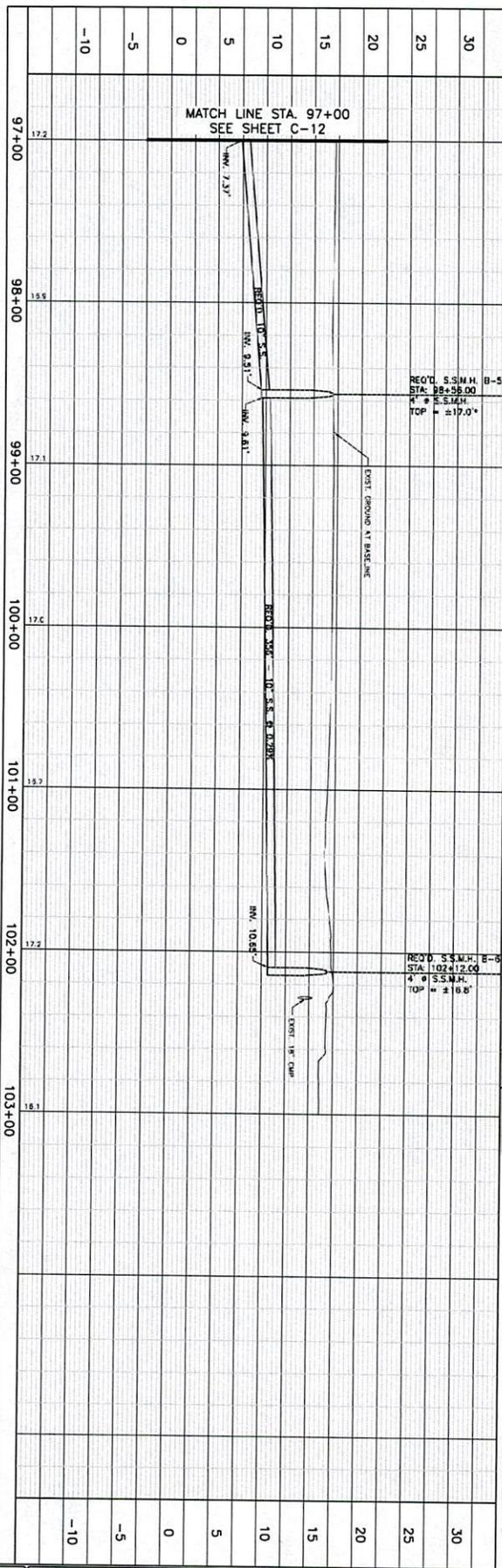


NOTE:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SIZE OF ALL UNDERGROUND UTILITIES AND STRUCTURES BY MATCHING TO SHEET WITH THESE INSTRUCTIONS.
CONTRACTOR SHALL EXERCISE EXTREME CAUTION NEAR OVERHEAD UTILITY LINES AND LOW VOLTAGE TREE BRANCHES.

*MATCH EXISTING PAVEMENT ELEVATIONS

RECD. S.S.M.H. B-8
STA. 102+12.00
E = 339756.49
TOP = 418.87
INV. = 100.51 (NS)

RECD. S.S.M.H. B-8
STA. 102+12.00
E = 339756.49
TOP = 418.87
INV. = 100.51 (NS)



2019.03.26
13:16:51
-05'00"



EVANS-GRAVES ENGINEERS, INC.
ENGINEERING CONSULTANTS
6702 GUYTON HWY.
SUITE 200
BATON ROUGE, LA 70809
(225) 886-1620

NO.	DATE	REVISION DESCRIPTION	BY

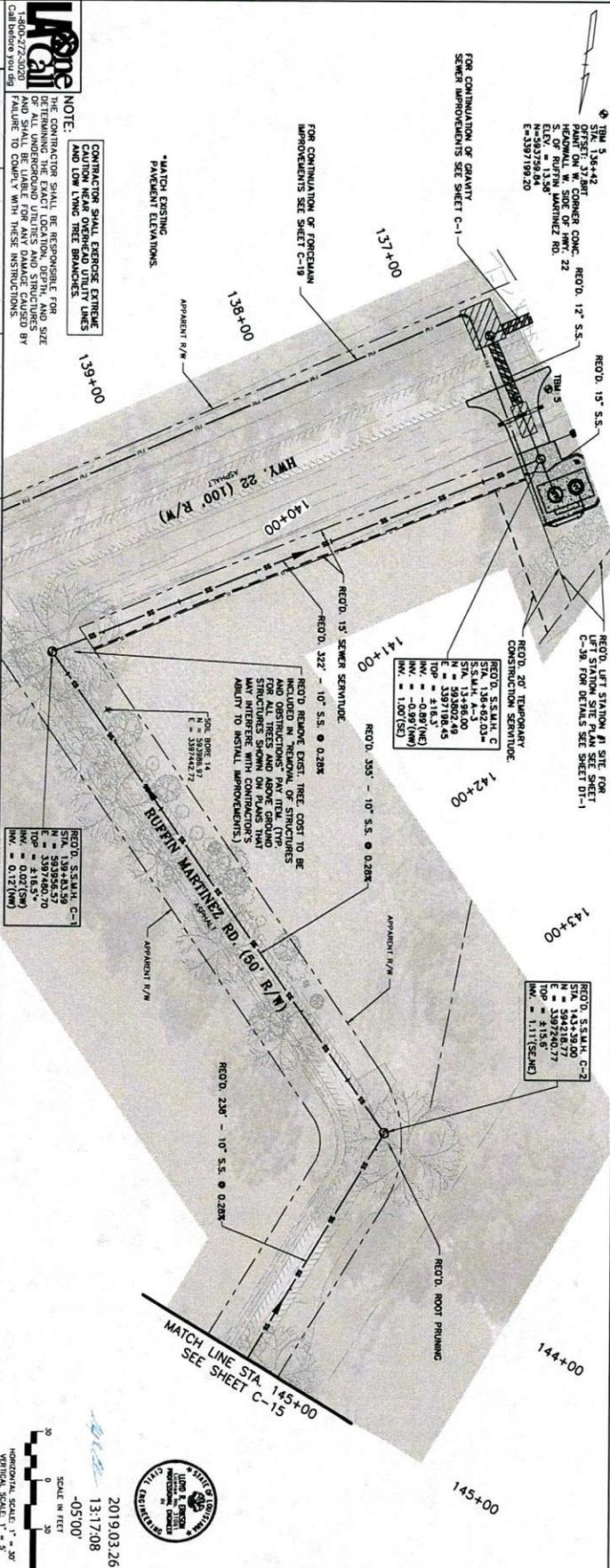
ASCENSION PARISH SEWER PROGRAM IMPROVEMENTS
(HILLARYVILLE, DARROW, AND ASTROLAND)
PROJECT CODE SEWR 11002, CDBG CODE 03PARA2301
PLAN & PROFILE - HAYDEL ROAD GRAVITY

STA. 136+42
 CORNER CONC. RECD. 12" S.S.
 RECD. 15" S.S.
 RECD. 15" S.S.
 ELEV. = 13.58'
 N = 339759.84
 E = 339719.89

RECD. 15" S.S.
 RECD. 12" S.S.
 RECD. 15" S.S.

RECD. 20" TEMPORARY
 CONSTRUCTION SEWER
 RECD. S.S.M.H. C
 STA. 139+80.00
 S.S.M.H. A-3
 N = 339719.84
 E = 339719.84
 TOP = +18.3'
 INV. = -0.89'(NE)
 HW. = 1.00'(SE)

RECD. S.S.M.H. C-2
 STA. 143+39.00
 S.S.M.H. B-3
 N = 339218.77
 E = 339218.77
 TOP = +15.8'
 INV. = 1.11'(SE)



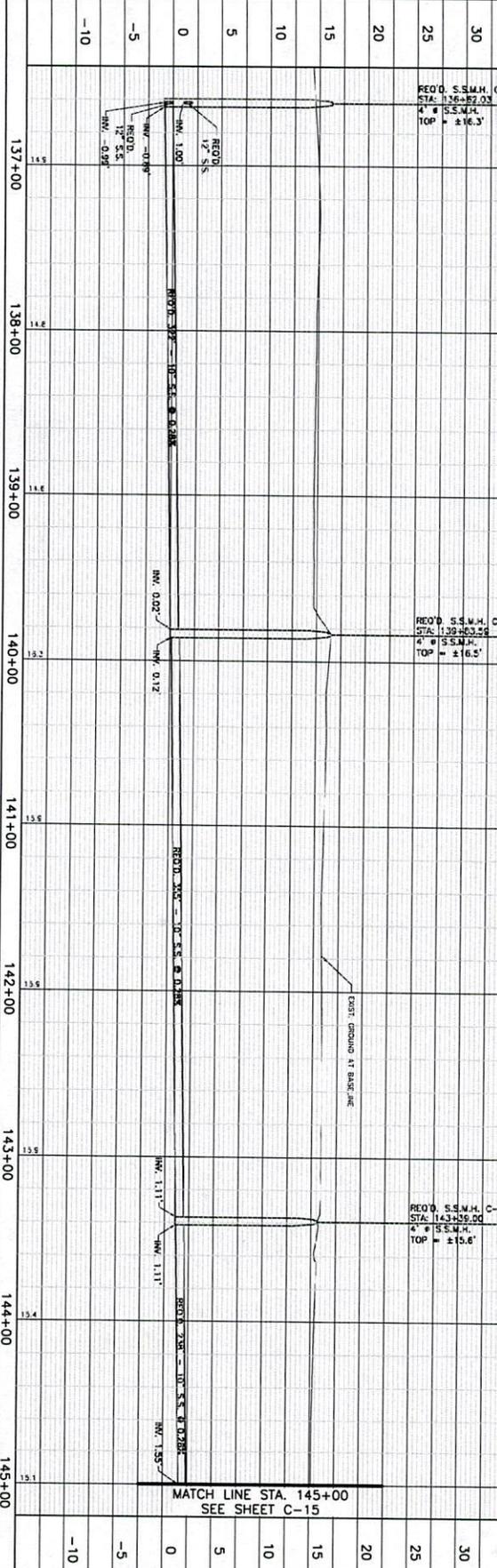
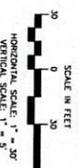
NOTE:
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SIZE AND LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES BY FIELD SURVEY TO CORRELATE WITH THESE INSTRUCTIONS. CALL BEFORE YOU DIG.

CONTRACTOR SHALL EXERCISE EXTREME CARE AND LOW LIMB TREE BRANCHES AND LOW LIMB TREE BRANCHES.

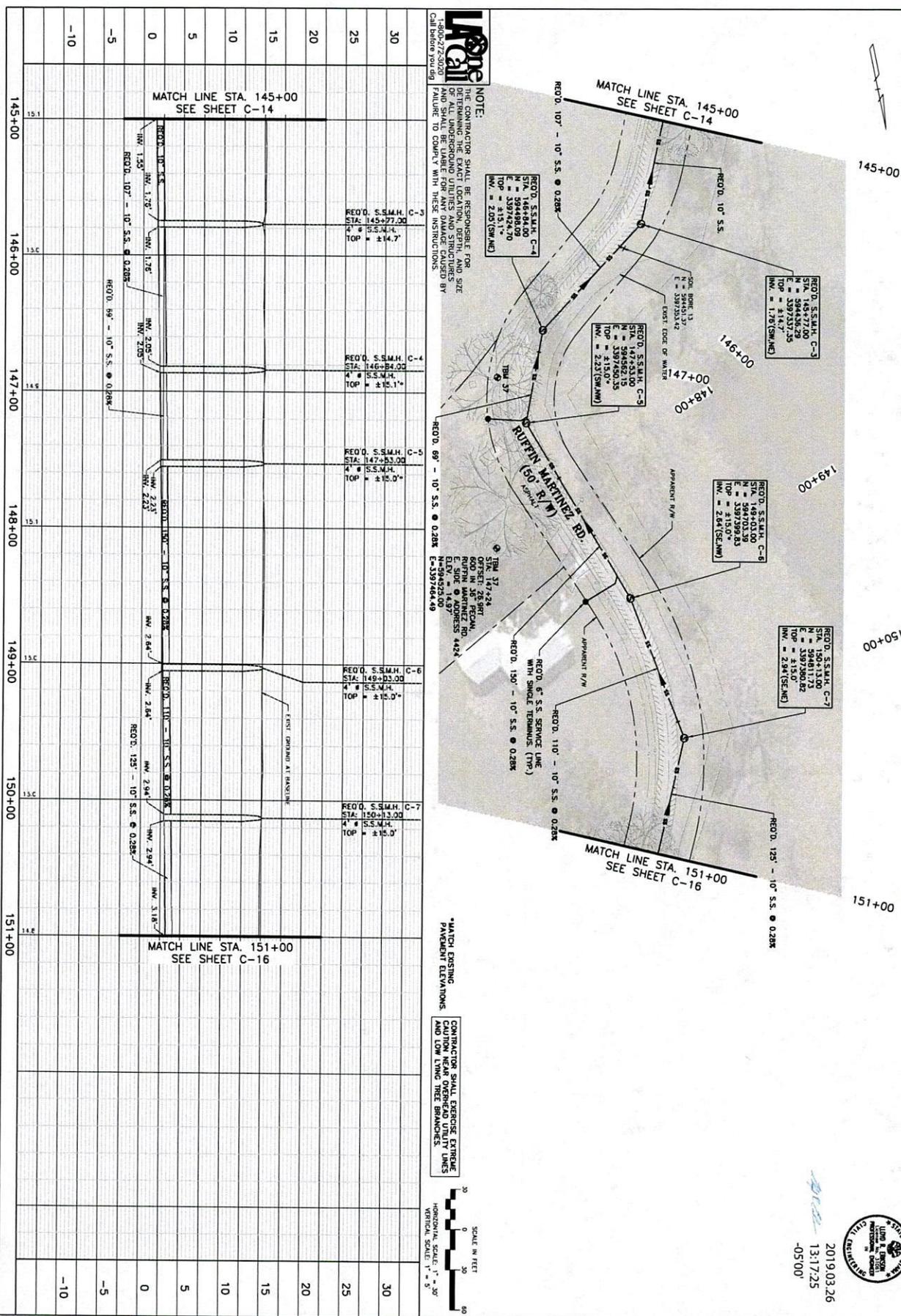
RECD. 15" SEWER SEWERLINE
 RECD. 322' - 10" S.S. @ 0.28%
 RECD. REMOVE EXIST. TREE, COST TO BE INCLUDED IN REMOVAL OF STRUCTURES AND OBSTRUCTIONS PAY TEL. (TYP. STRUCTURES SPANNING ON PLANS THAT MAY INTERFERE WITH CONTRACTOR'S ABILITY TO INSTALL IMPROVEMENTS)

RECD. S.S.M.H. C-1
 STA. 139+83.39
 S.S.M.H. A-3
 N = 339563.77
 E = 339563.77
 TOP = +18.5'
 INV. = 0.02'(SW)
 HW. = 0.17'(NW)

RECD. S.S.M.H. C-2
 STA. 143+35.00
 S.S.M.H. A-3
 N = 339218.77
 E = 339218.77
 TOP = +15.6'
 INV. = 1.11'



SHEET NUMBER C-14	ASCENSION PARISH SEWER PROGRAM IMPROVEMENTS (HILLARYVILLE, DARROW, AND ASTROLAND) PROJECT CODE SEWR 11002, CDBG CODE 03PARA2301		DESIGNED LINE CHECKED LINE REVISIONS DATE SHEET	EVANS-GRAVES ENGINEERS, INC. ENGINEERING CONSULTANTS 8174 GULFPORT HWY. BATON ROUGE, LA. 70809 (504) 833-1300
	PLAN & PROFILE - RUFFIN MARTINEZ ROAD GRAVITY			



NOTE:
CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION, DEPTH, AND SIZE OF ALL UNDERGROUND UTILITIES AND STRUCTURES BY FIELD SURVEY PRIOR TO ANY AND ALL CONSTRUCTION. CALL BEFORE YOU DIG.

RECD. 107' - 10" S.S. @ 0.28%
 STA. 145+77.00
 4" S.S.M.H.
 TOP ± 14.7'

RECD. 69' - 10" S.S. @ 0.28%
 STA. 146+84.00
 4" S.S.M.H.
 TOP ± 15.1'

RECD. 69' - 10" S.S. @ 0.28%
 STA. 147+53.00
 4" S.S.M.H.
 TOP ± 16.0'

RECD. 130' - 10" S.S. @ 0.28%
 STA. 148+23.00
 4" S.S.M.H.
 TOP ± 15.0'

RECD. 110' - 10" S.S. @ 0.28%
 STA. 149+23.00
 4" S.S.M.H.
 TOP ± 15.0'

RECD. 150' - 10" S.S. @ 0.28%
 STA. 150+13.00
 4" S.S.M.H.
 TOP ± 15.0'

RECD. 107' - 10" S.S. @ 0.28%
 STA. 145+77.00
 4" S.S.M.H.
 TOP ± 14.7'

RECD. 69' - 10" S.S. @ 0.28%
 STA. 146+84.00
 4" S.S.M.H.
 TOP ± 15.1'

RECD. 69' - 10" S.S. @ 0.28%
 STA. 147+53.00
 4" S.S.M.H.
 TOP ± 16.0'

RECD. 130' - 10" S.S. @ 0.28%
 STA. 148+23.00
 4" S.S.M.H.
 TOP ± 15.0'

RECD. 110' - 10" S.S. @ 0.28%
 STA. 149+23.00
 4" S.S.M.H.
 TOP ± 15.0'

RECD. 150' - 10" S.S. @ 0.28%
 STA. 150+13.00
 4" S.S.M.H.
 TOP ± 15.0'

*MATCH EXISTING PAVEMENT ELEVATIONS.

CONTRACTOR SHALL EXERCISE EXTREME CARE IN THE PROTECTION OF ALL UNDERGROUND UTILITIES AND STRUCTURES BY DETERMINING THE EXACT LOCATION, DEPTH, AND SIZE OF ALL UTILITIES PRIOR TO ANY AND ALL CONSTRUCTION.



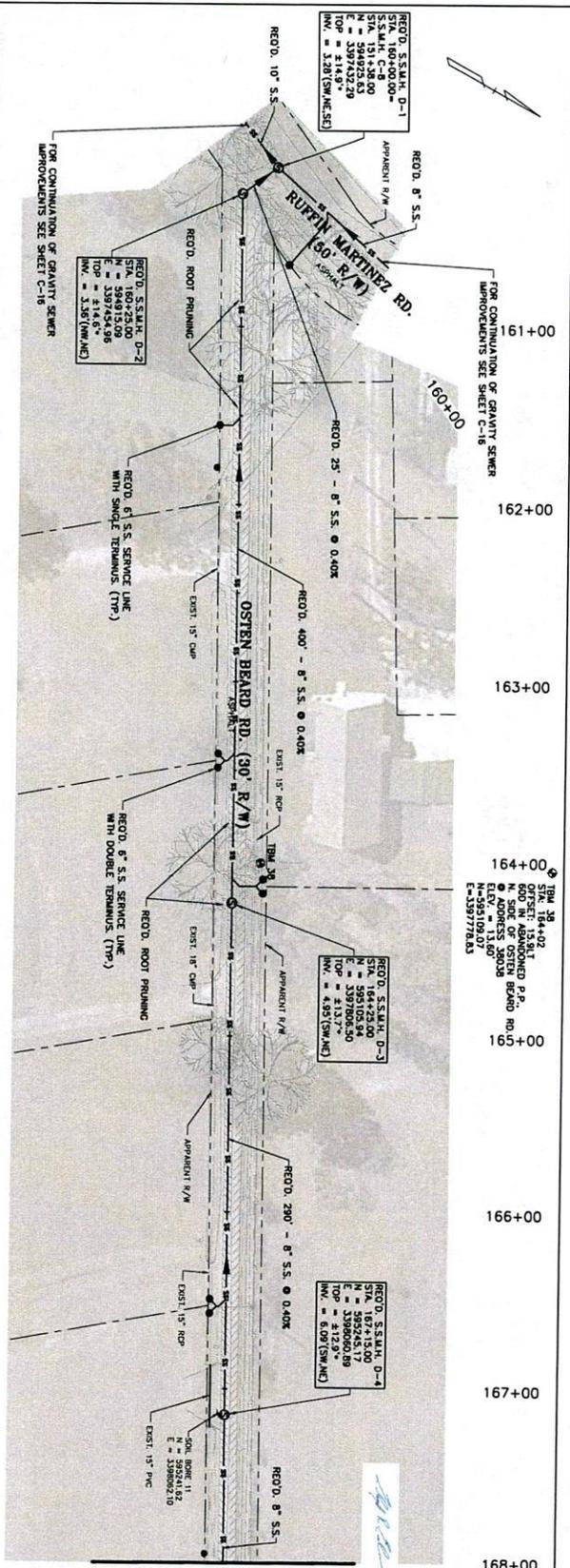
2019.03.26
 13:17:25
 -05'00"



EVANS-GRAVES ENGINEERS, INC.
 ENGINEERING CONSULTANTS
 8415H AVENUE, SUITE 200
 METairie, LA 70002
 (504) 885-1200

DESIGNED: LAB
 CHECKED: LNE
 DATE: MARCH 2019
 SHEET: C-15

NO.	DATE	REVISION DESCRIPTION

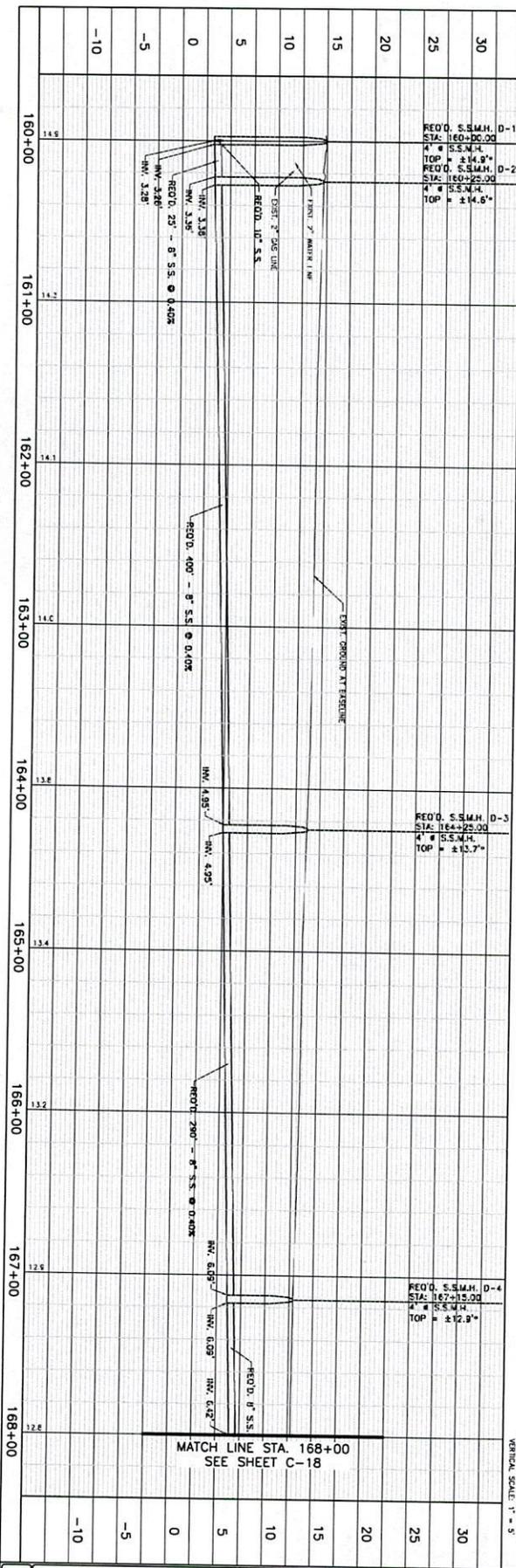
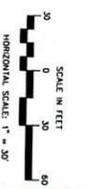


2019.03.26
13:17:58 -05:00

NOTE:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SIZE AND LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES BY AND SHALL BE LIABLE FOR ANY DAMAGE CAUSED BY FAILURE TO COMPLY WITH THESE INSTRUCTIONS.

CONTRACTOR SHALL EXERCISE EXTREME CARE AND CAUTION NEAR OVERHEAD AND LOW VOLTAGE LINES AND TREE BRANCHES.

*MATCH EXISTING PAVEMENT ELEVATIONS



MATCH LINE STA. 168+00
SEE SHEET C-18

NO.	DATE	REVISION DESCRIPTION

DESIGNED	LAB
CHECKED	LINE
DRAWN	
CHECKED	
DATE	MARCH 2019
SHEET	C-17

EVANS-GRAVES ENGINEERS, INC.
 ENGINEERING CONSULTANTS
 1400 N. W. 10TH AVENUE
 SUITE 200
 BATON ROUGE, LOUISIANA 70809
 (225) 834-1420

FIG. 5
 STA. 178+87
 RIGHT OF WAY CORNER CONC. 22
 UNDER P&H LUMP SUM ITEM
 ELEV. = 113.8
 P-337192.80

REQD. VALVE WALL
 STA. 178+88.00
 E = 3397174.85
 TOP = 218.5
 INV. = 210 (V&E)

REQD. 20' TEMPORARY
 CONSTRUCTION SERVICE
 IMPROVEMENTS SEE SHEET C-1

REQD. JACK AND BORE 40' - 6"
 15000 P&H FORCEMAIN
 APPROX. R/W

REQD. 6" C-800 P&H FORCEMAIN
 (ASBESTOS AT PREL. CENTERLINE)

REQD. 45' M.J. BEND
 E3397168.13
 E3397169.38

REQD. 45' M.J. BEND
 E3397168.17
 E3397169.36

REQD. 45' M.J. BEND
 E3397168.17
 E3397169.36

REQD. 45' M.J. BEND
 E3397168.17
 E3397169.36

NOTE:
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR
 THE PROTECTION OF ALL UNDERGROUND UTILITIES AND STRUCTURES OF
 ANY KIND AND SHALL BE LIABLE FOR ANY DAMAGE CAUSED BY
 FAILURE TO COMPLY WITH THESE INSTRUCTIONS.
 CALL BEFORE YOU DIG
 1-800-272-9200

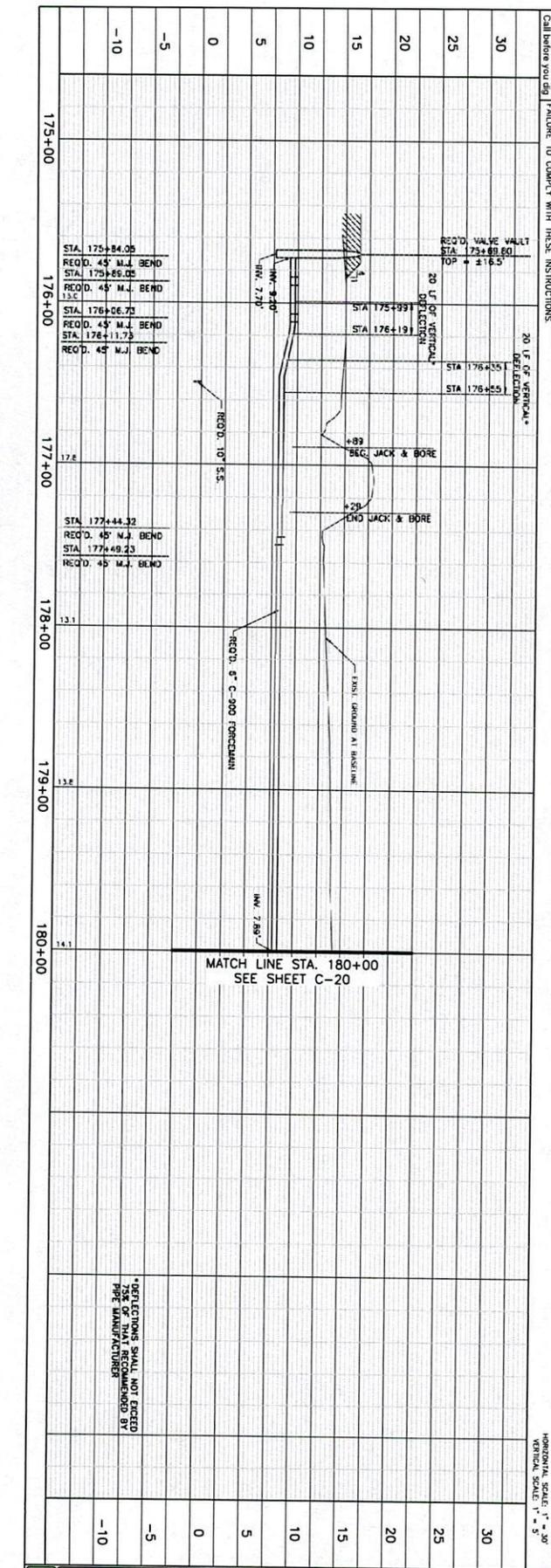
CONTRACTOR SHALL EXERCISE EXTREME
 CARE IN THE PROTECTION OF ALL
 UNDERGROUND UTILITIES AND STRUCTURES
 AND LOW VOLTAGE TREE BRANCHES.

FOR CONTINUATION OF QUANTITY SERVICE
 IMPROVEMENTS SEE SHEET C-2

FOR QUANTITY SERVICE
 IMPROVEMENTS SEE SHEET C-1

FOR QUANTITY SERVICE
 IMPROVEMENTS SEE SHEET C-1

SCALE IN FEET
 HORIZONTAL SCALE: 1" = 30'
 VERTICAL SCALE: 1" = 5'



NO.	DATE	REVISION DESCRIPTION

ASCENSION PARISH SEWER PROGRAM IMPROVEMENTS
 (HILLARYVILLE, DARROW, AND ASTROLAND)
 PROJECT CODE SEWR 11002, CDBG CODE 03PARA2301
 PLAN & PROFILE - HWY. 22 FORCEMAIN
 SHEET NO. C-19

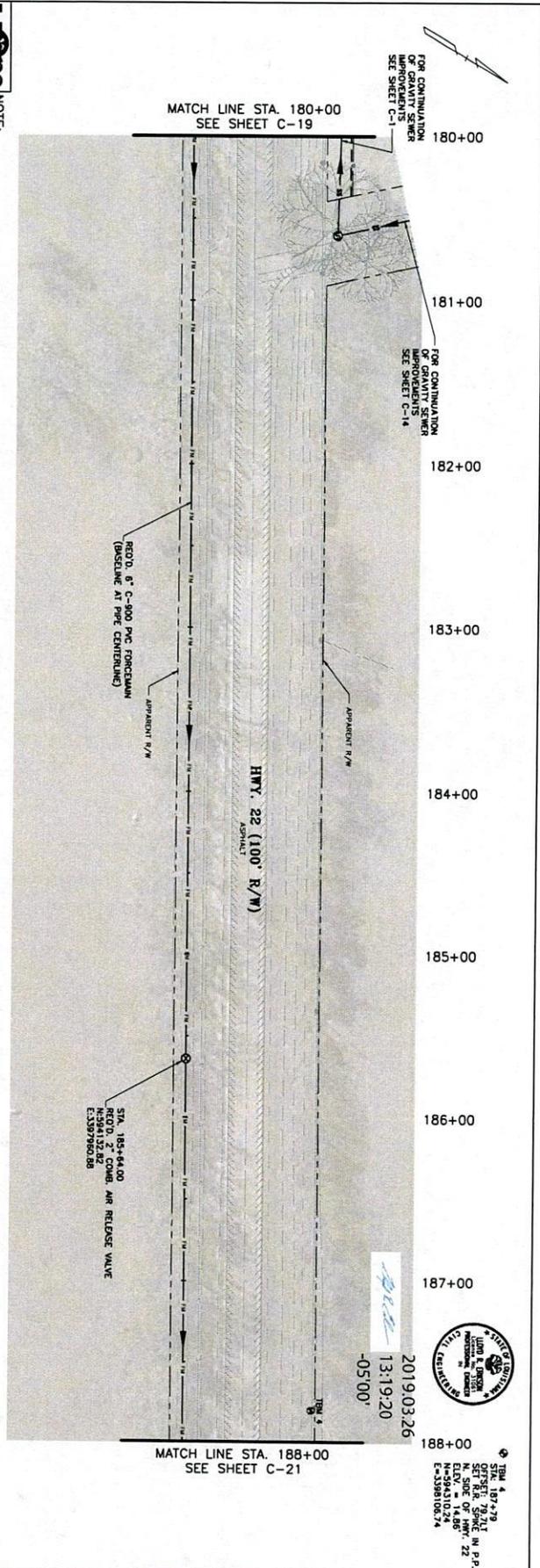
DESIGNED: LAB
 CHECKED: LNE
 DETAILED: DWR
 DATE: MARCH 2019
 SHEET: C-19

EVANS-GRAVES ENGINEERS, INC.
 ENGINEERING CONSULTANTS
 1318337
 -0500'

2019.03.26
 13:18:37
 -0500'

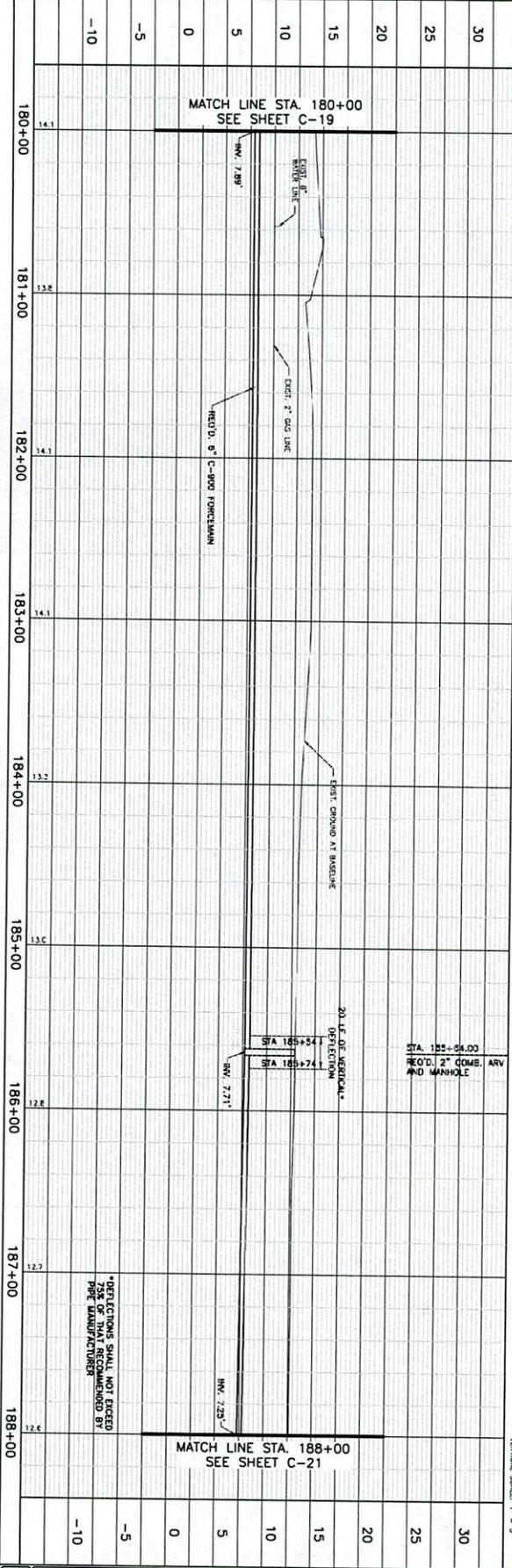
STATE OF LOUISIANA
 PROFESSIONAL ENGINEER
 LICENSE NO. 10809
 EXPIRES 12/31/2020

EVANS-GRAVES ENGINEERS, INC.
 ENGINEERING CONSULTANTS
 1318337
 -0500'



2019.03.26
 13:19:20
 -05:00'

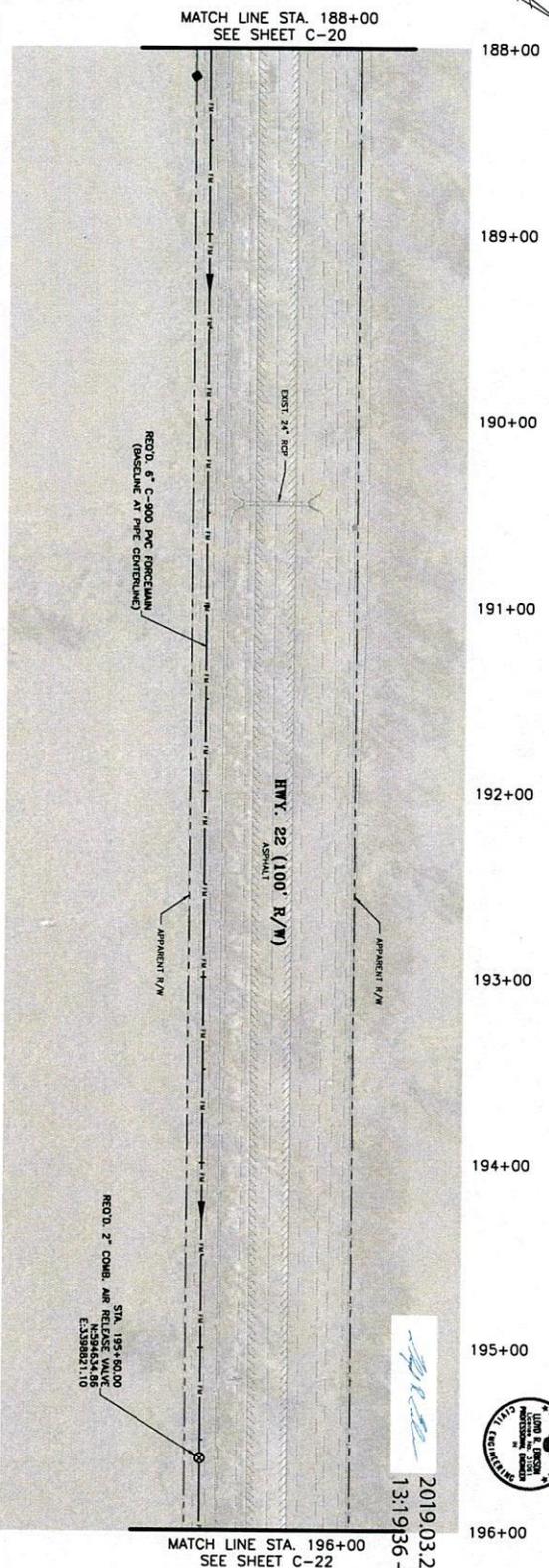
NOTE:
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SIZE AND LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES BY AND SHALL BE LIABLE FOR ANY DAMAGE CAUSED BY FAILURE TO COMPLY WITH THESE INSTRUCTIONS.
 CONTRACTOR SHALL EXERCISE EXTREME CAUTION NEAR OVERHEAD UTILITY LINES AND LOW VOLTAGE TREE BRANCHES.
 Call before you dig



ASCENSION PARISH SEWER PROGRAM IMPROVEMENTS
 (HILLARYVILLE, DARROW, AND ASTROLAND)
 PROJECT CODE SEWR 11002, CDBG CODE Q3PARA2301
 PLAN & PROFILE - HWY. 22 FORCEMAIN

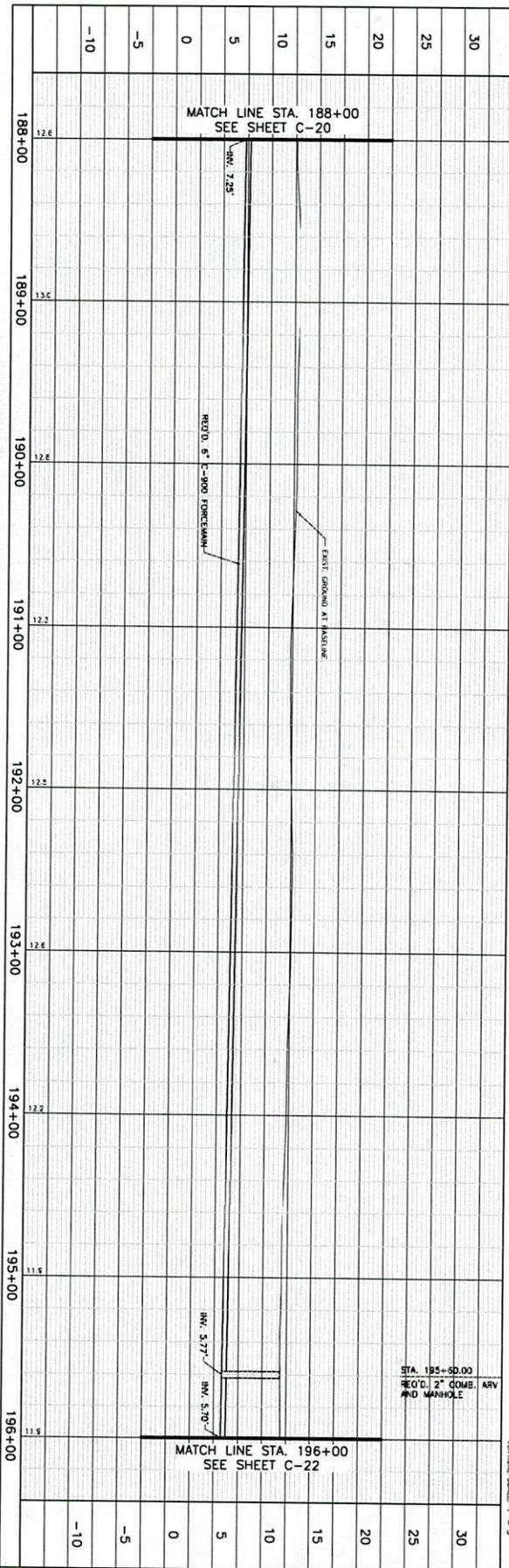
NO.	DATE	REVISION DESCRIPTION	BY

EVANS-GRAVES ENGINEERS, INC.
 ENGINEERING CONSULTANTS
 1000 N. W. 10TH AVENUE
 SUITE 200
 BATON ROUGE, LA 70809
 (225) 934-1420

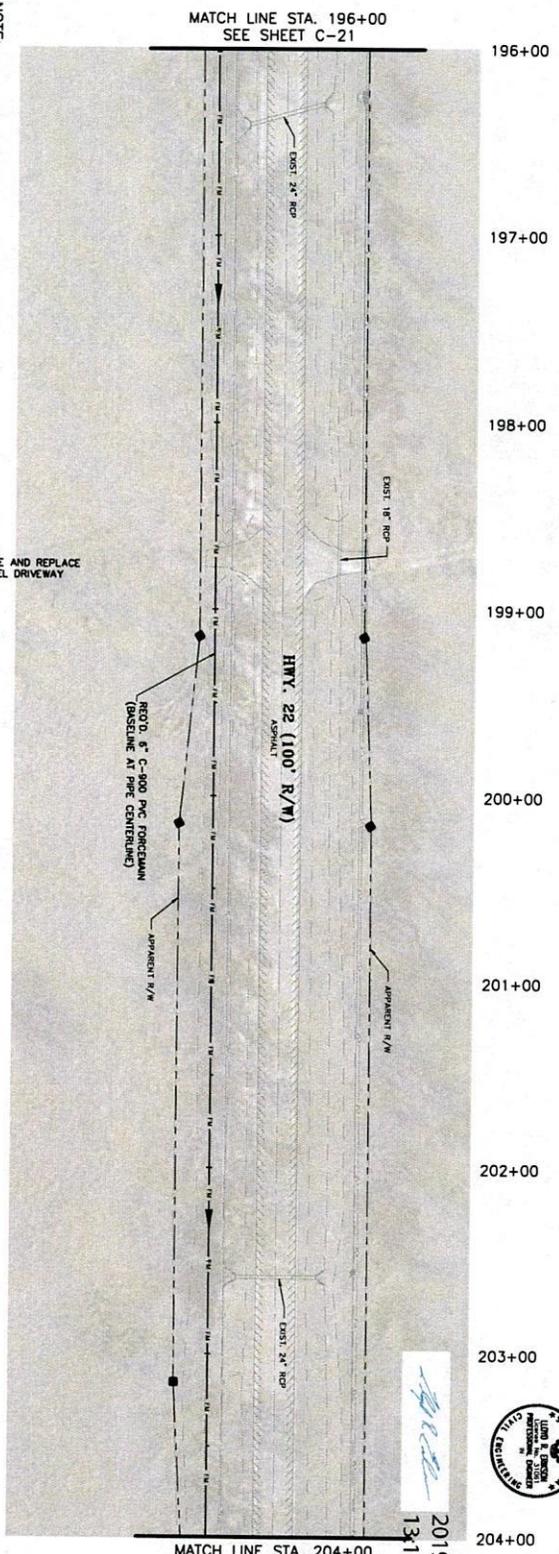


2019/03/26
13:1936-0500'

NOTE:
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SIZE AND LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES BY AND SHALL BE LIABLE FOR ANY DAMAGE CAUSED BY FAILURE TO COMPLY WITH THESE INSTRUCTIONS.
 CONTRACTOR SHALL ENGINEER SYSTEMS AND LOW VOLTAGE TREE BRANCHES.
 CALL BEFORE YOU DIG
 1-800-272-3000



SHEET NUMBER C-21	ASCENSION PARISH SEWER PROGRAM IMPROVEMENTS (HILLARYVILLE, DARROW, AND ASTROLAND) PROJECT CODE SEWR 11002, CDBG CODE 03PARA2301		DESIGNED LMB	EVANS-GRAVES ENGINEERS, INC. ENGINEERING CONSULTANTS 1015 GULF SHORES BLVD. BATON ROUGE, LA 70808 (225) 924-1420
	PLAN & PROFILE - HWY. 22 FORCEMAIN		DATE MARCH 2019	
	NO.	DATE	REVISION DESCRIPTION	

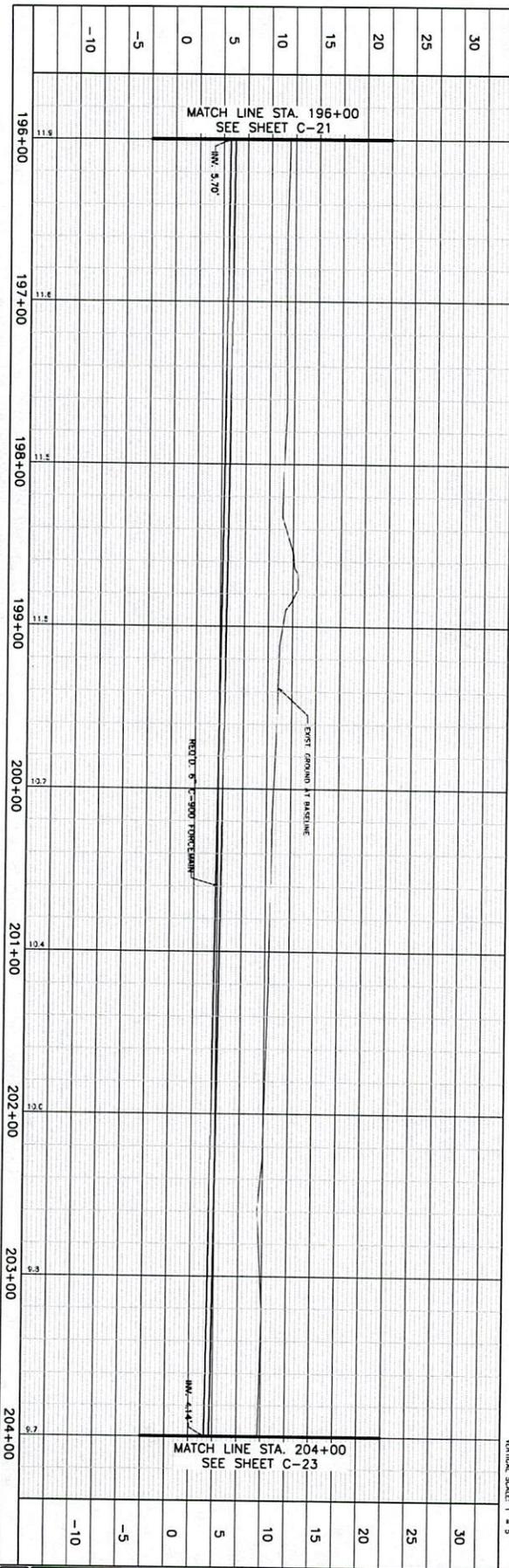


2019.03.26
13-19-52-05/001



NOTE:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SIZE AND LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES BY AND SHALL BE LIABLE FOR ANY DAMAGE CAUSED BY FAILURE TO COMPLY WITH THESE INSTRUCTIONS.
CALL BEFORE YOU DIG

STA. 198+73
RETO REMOVE AND REPLACE
12 L.F. GRAVEL DRIVEWAY



ASCENSION PARISH SEWER PROGRAM IMPROVEMENTS
(HILLARYVILLE, DARROW, AND ASTROLAND)
PROJECT CODE SEWR 11002, CDBG CODE 03PARA2301
PLAN & PROFILE - HWY. 22 FORCEMAIN

DESIGNED	LAB
CHECKED	LINE
DRAWN	CHK
CHECKED	LINE
DATE	MARCH 2018
SHEET	C-22

EG **EVANS-GRAVES ENGINEERS, INC.**
ENGINEERING CONSULTANTS
1015 GUYTON DRIVE
BATON ROUGE, LA 70809
(225) 924-1920



One Call
1-800-272-3000
Call before you dig

NOTE:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SIZE AND LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES AND SHALL BE LIABLE FOR ANY DAMAGE CAUSED BY FAILURE TO COMPLY WITH THESE INSTRUCTIONS.

CONTRACTOR SHALL EXERCISE EXTREME CAUTION NEAR OVERHEAD AND LOW VOLTAGE TREE BRANCHES.

***MATCH EXISTING PAVEMENT ELEVATIONS.**

FOR CONTINUATION OF GRAVITY SEWER IMPROVEMENTS SEE SHEET C-23

FOR CONTINUATION OF GRAVITY SEWER IMPROVEMENTS SEE SHEET C-23

FOR CONTINUATION OF GRAVITY SEWER IMPROVEMENTS SEE SHEET C-23

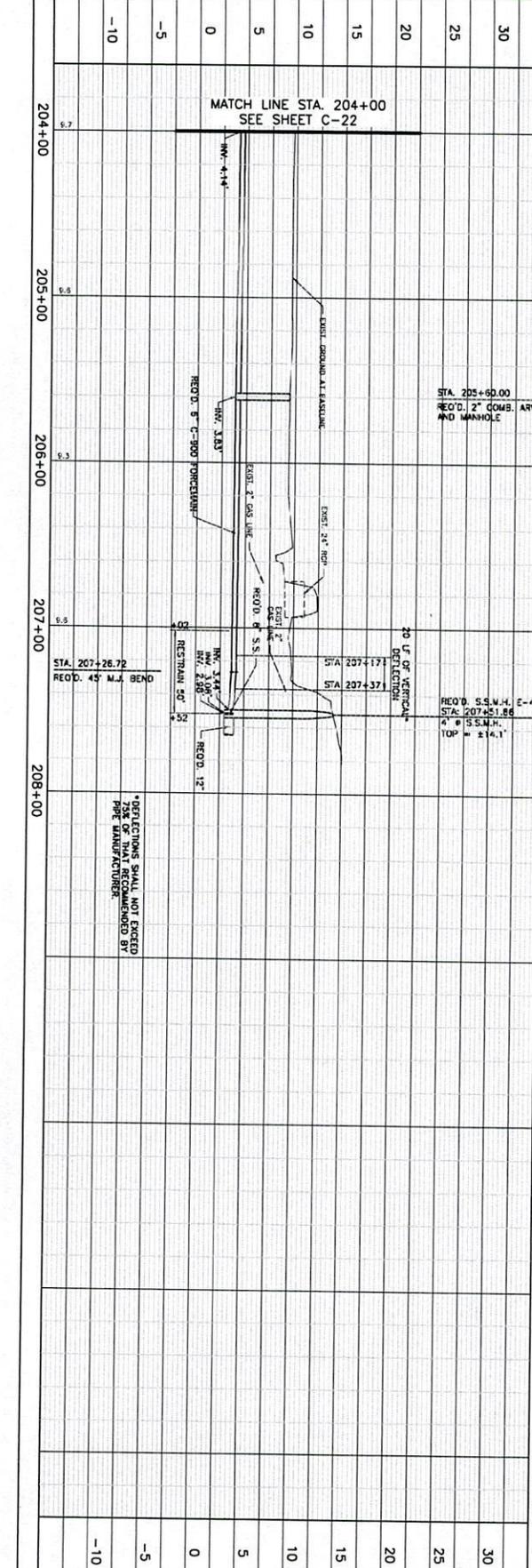
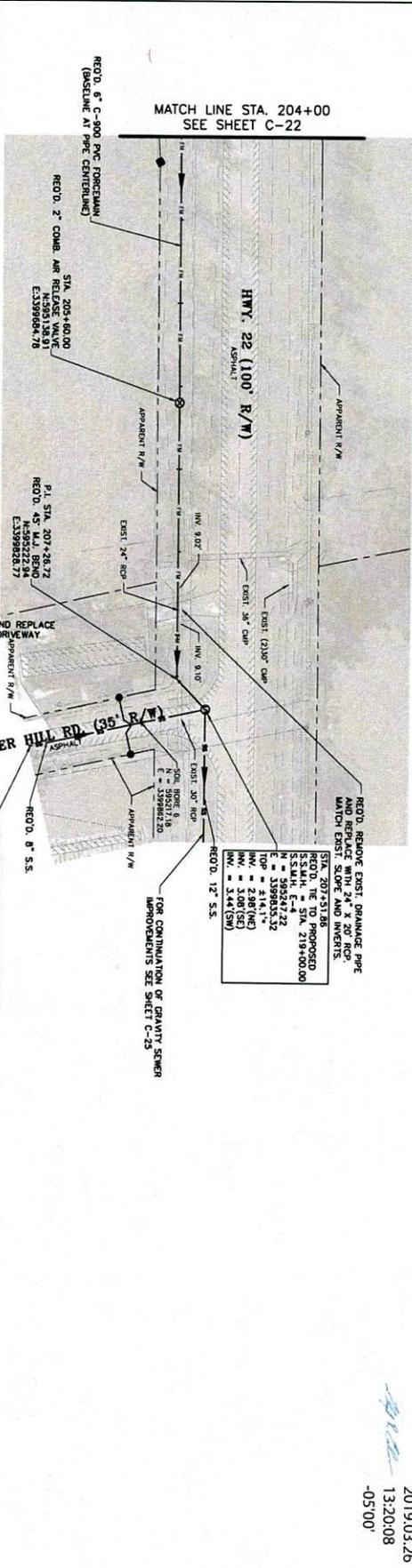
FOR CONTINUATION OF GRAVITY SEWER IMPROVEMENTS SEE SHEET C-23

FOR CONTINUATION OF GRAVITY SEWER IMPROVEMENTS SEE SHEET C-23

FOR CONTINUATION OF GRAVITY SEWER IMPROVEMENTS SEE SHEET C-23

FOR CONTINUATION OF GRAVITY SEWER IMPROVEMENTS SEE SHEET C-23

FOR CONTINUATION OF GRAVITY SEWER IMPROVEMENTS SEE SHEET C-23



NO.	DATE	REVISION DESCRIPTION



2019.03.26
13:20:08
-05'00"



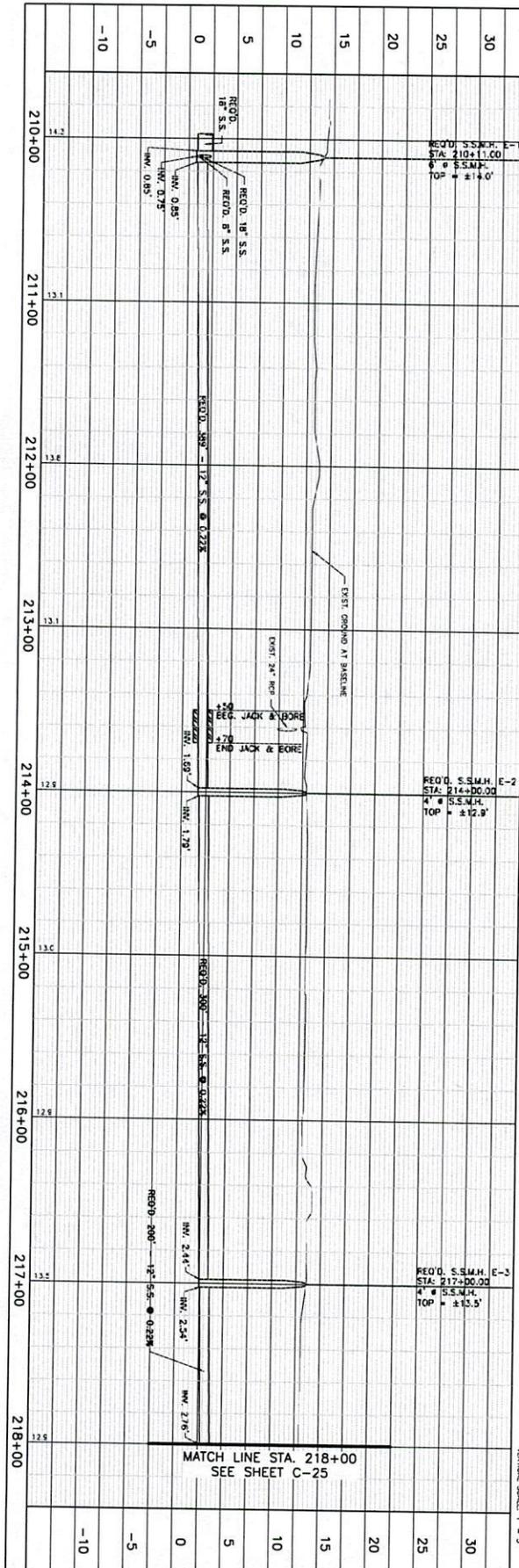
EVANS-GRAVES ENGINEERS, INC.
ENGINEERING CONSULTANTS
2015 GRIFFIN HWY.
SUITE 200
BATON ROUGE, LA 70809
(225) 924-1920



DESIGNED	LAB
CHECKED	LAB
DRAWN	LAB
CHECKED	LAB
DATE	MARCH 2018
SHEET	C-23

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

PLAN & PROFILE - HWY. 22 FORCEMAIN



NOTE: THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION, DEPTH, AND SIZE OF ALL UNDERGROUND UTILITIES AND SHALL BE LIABLE FOR ANY DAMAGE CAUSED BY FAILURE TO COMPLY WITH THESE INSTRUCTIONS.

CONTRACTOR SHALL EXERCISE EXTREME CARE TO PROTECT ALL EXISTING UTILITIES AND LOW VOLTAGE TREE BRANCHES.

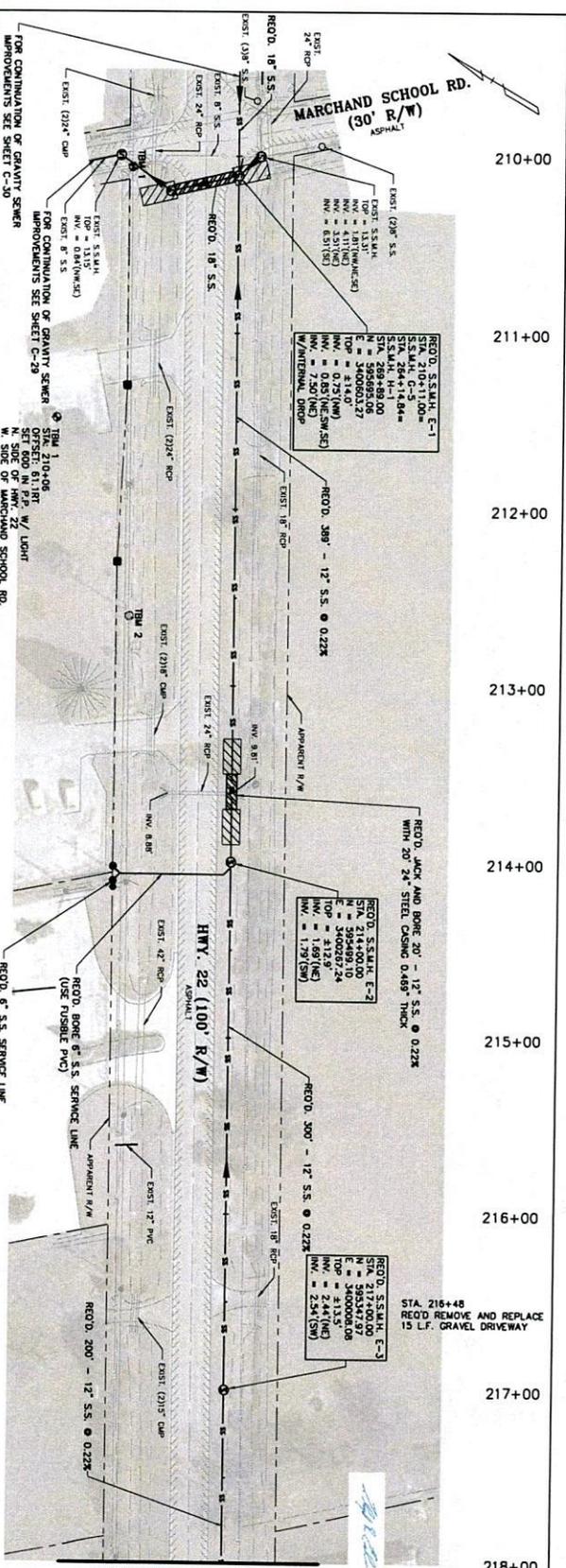
CALL BEFORE YOU DIG 1-800-272-3020

TM 3 37281
 OFFSET: 60.7 FT
 ELEV. SPK: 13.0
 W. SIDE OF MARCHAND SCHOOL RD.
 E-340035318

TM 3 37281
 OFFSET: 60.7 FT
 ELEV. SPK: 13.0
 W. SIDE OF MARCHAND SCHOOL RD.
 E-340035318

TM 3 37281
 OFFSET: 60.7 FT
 ELEV. SPK: 13.0
 W. SIDE OF MARCHAND SCHOOL RD.
 E-340035318

TM 3 37281
 OFFSET: 60.7 FT
 ELEV. SPK: 13.0
 W. SIDE OF MARCHAND SCHOOL RD.
 E-340035318



MATCH LINE STA. 218+00
 SEE SHEET C-25

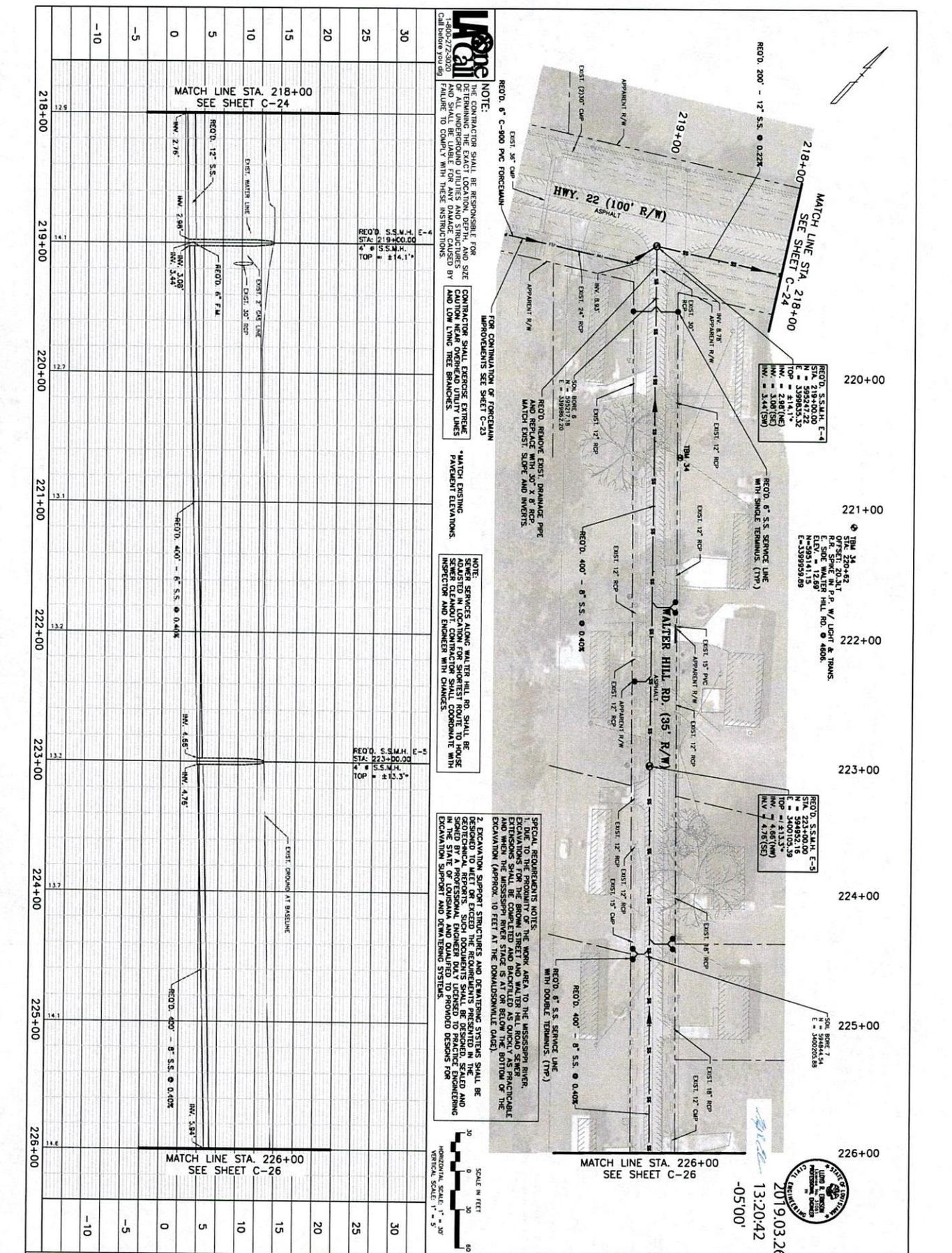
MATCH LINE STA. 218+00
 SEE SHEET C-25

STA. 216+48
 RECD. REMOVE AND REPLACE
 15 L.F. GRAVEL DRIVEWAY

2019.03.26
 13:20:25
 -05'00"

C-24	ASCENSION PARISH SEWER PROGRAM IMPROVEMENTS (HILLARYVILLE, DARROW, AND ASTROLAND) PROJECT CODE SEWR 11002, CDBG CODE 03PARA2301		DESIGNED LAB CHECKED LUC DATE MARCH 2019 SHEET C-24
	PLAN & PROFILE - WALTER HILL ROAD GRAVITY		
NO. DATE REVISION DESCRIPTION		EVANS-GRAVES ENGINEERS, INC. ENGINEERING CONSULTANTS 1001 W. UNIVERSITY BLVD. SUITE 200 BATON ROUGE, LOUISIANA 70806 (225) 226-1620	

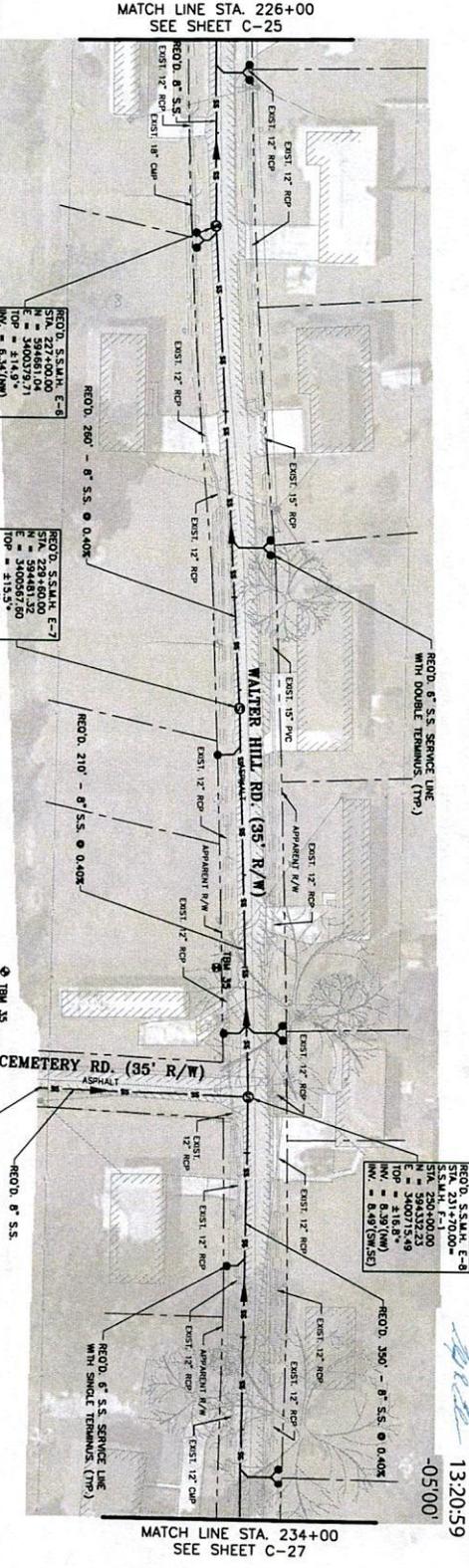
F:\MO...PROJECTS\13-750\Sheet_Sewer\Comp\Profile\12750_C24.dwg (Layout) Dtl 08, 2018 - 1:48pm



PROJECT: ASCENSION PARISH SEWER PROGRAM IMPROVEMENTS (HILLARYVILLE, DARROW, AND ASTROLAND) PROJECT CODE SEWR 11002, CDBG CODE 03PARA2301 PLAN & PROFILE - WALTER HILL ROAD GRADY	DESIGNED: LAB CHECKED: LAB DATE: MARCH 2018 SHEET: C-25	2019.03.26 13:20:42 -05'00' 	EVANS-GRAVES ENGINEERS, INC. ENGINEERING CONSULTANTS 707 JEFFERSON HWY. SUITE 200, BOCA RATON, FL 33488 (305) 926-1200
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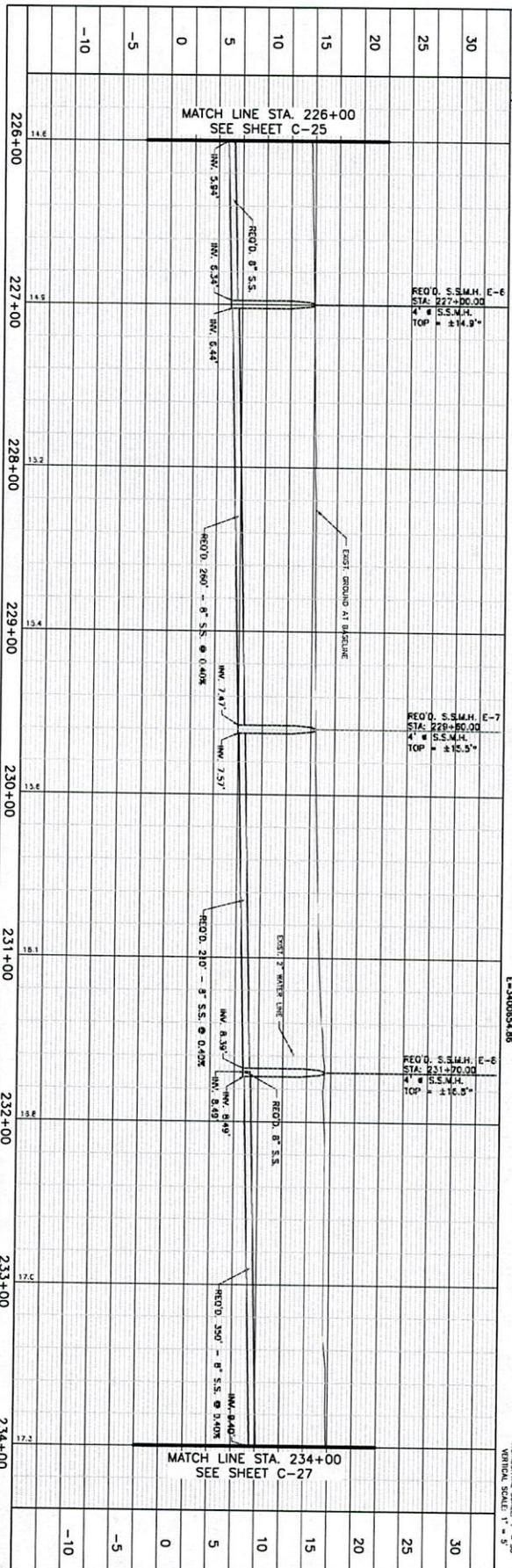
226+00
227+00
228+00
229+00
230+00
231+00
232+00
233+00
234+00



NOTE: THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SIZE OF ALL UNDERGROUND UTILITIES AND STRUCTURES BY FAILURE TO COMPLY WITH THESE INSTRUCTIONS.
CONTRACTOR SHALL BE RESPONSIBLE FOR THE SIZE OF ALL UNDERGROUND UTILITIES AND STRUCTURES BY FAILURE TO COMPLY WITH THESE INSTRUCTIONS.
CONTRACTOR SHALL BE RESPONSIBLE FOR THE SIZE OF ALL UNDERGROUND UTILITIES AND STRUCTURES BY FAILURE TO COMPLY WITH THESE INSTRUCTIONS.

NOTE: SERVICES ALONG WALTER HILL RD. SHALL BE ADJUSTED IN LOCATION FOR SHORTEST ROUTE TO HOUSE INSPECTOR AND ENGINEER WITH CHANGES.
FOR CONTINUATION OF GRAVITY SEWER IMPROVEMENTS SEE SHEET C-28

SCALE IN FEET
HORIZONTAL SCALE 1" = 30'
VERTICAL SCALE 1" = 5'



2019.03.26
13:20:59
-05'00"

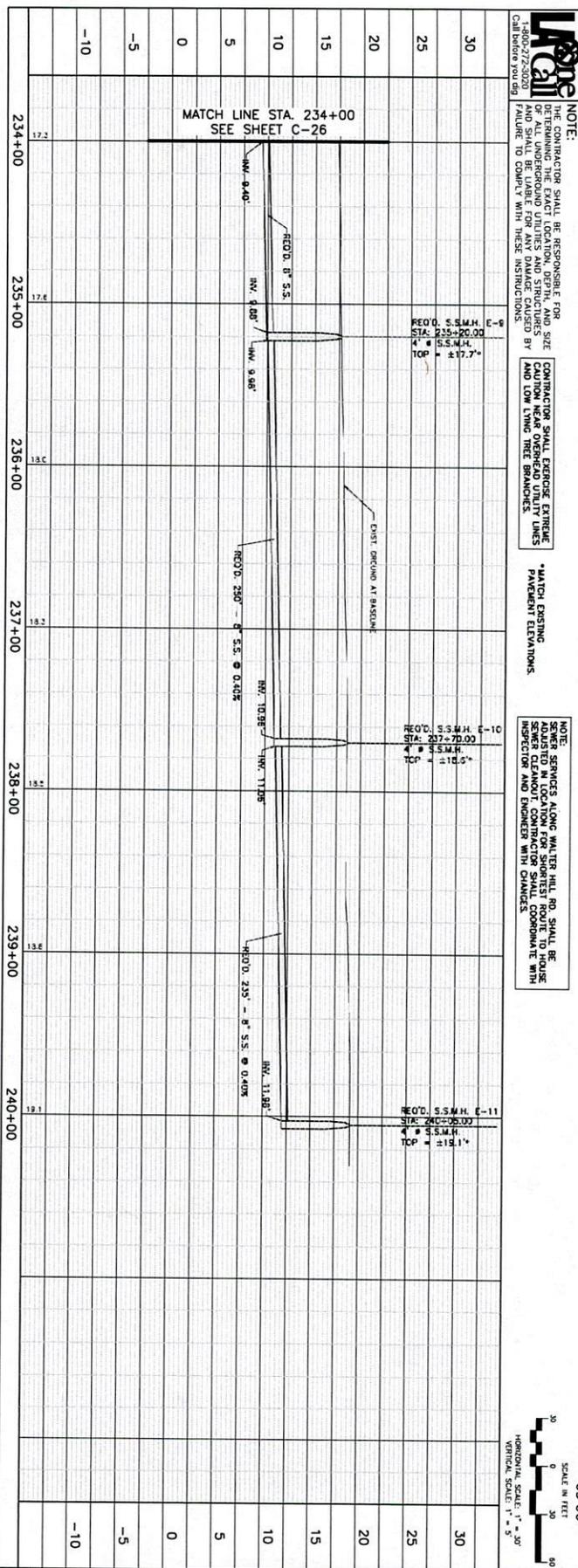
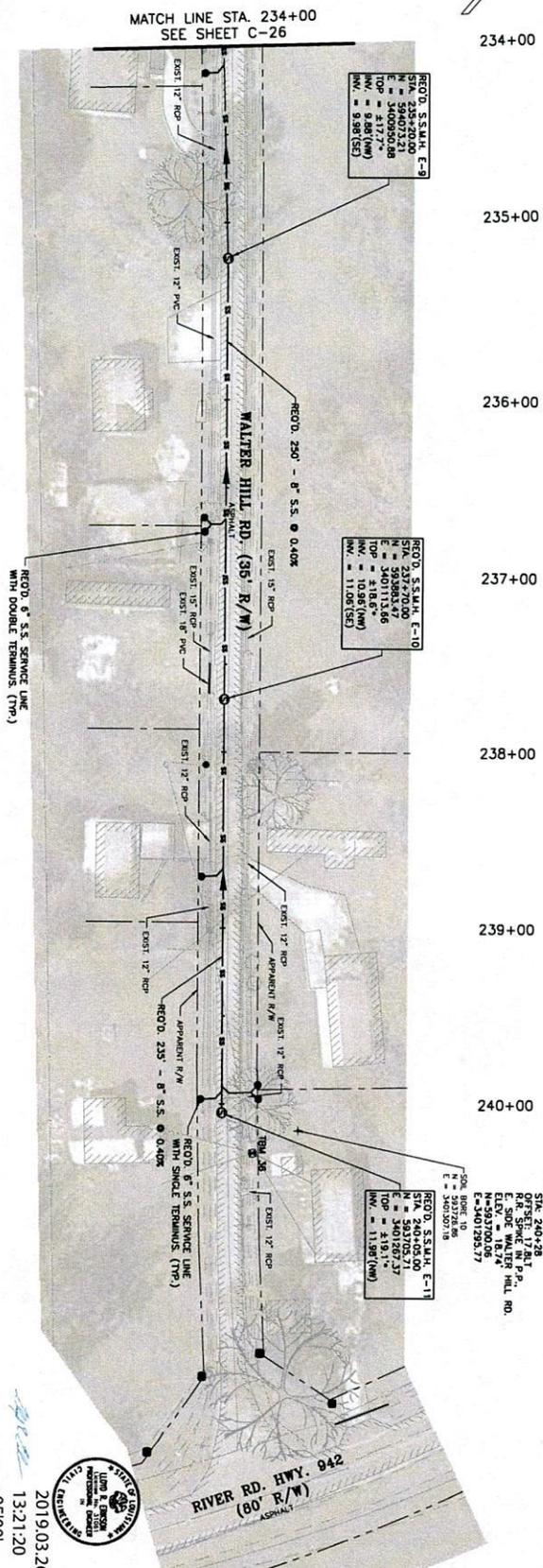


ASCENSION PARISH SEWER PROGRAM IMPROVEMENTS
(HILLARYVILLE, DARROW, AND ASTROLAND)
PROJECT CODE SEWR 11002, CDBG CODE 03PARA2301
PLAN & PROFILE - WALTER HILL ROAD GRAVITY

NO.	DATE	REVISION DESCRIPTION	BY

DESIGNED	LAB
CHECKED	LINE
DETAILS	DM
CHECKED	ME
DATE	MARCH 2019
SHEET	C-26

EVANS-CRAVES ENGINEERS, INC.
ENGINEERING CONSULTANTS
507 GUYTON AVENUE
SUITE 200
BATON ROUGE, LOUISIANA 70808
(225) 924-1620



NOTE:
 CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION, DEPTH, AND SIZE OF ALL UNDERGROUND UTILITIES AND STRUCTURES BY FIELD TO BE AVOIDED FOR ANY DAMAGE CAUSED BY AND TO BE CAUTIONED WITH THESE INSTRUMENTS.

NOTE:
 CONTRACTOR SHALL EXERCISE EXTREME CAUTION NEAR OVERHEAD UTILITY LINES AND LOW VOLTAGE TREE BRANCHES.

NOTE:
 MATCH EXISTING PARALLEL ELEVATIONS.

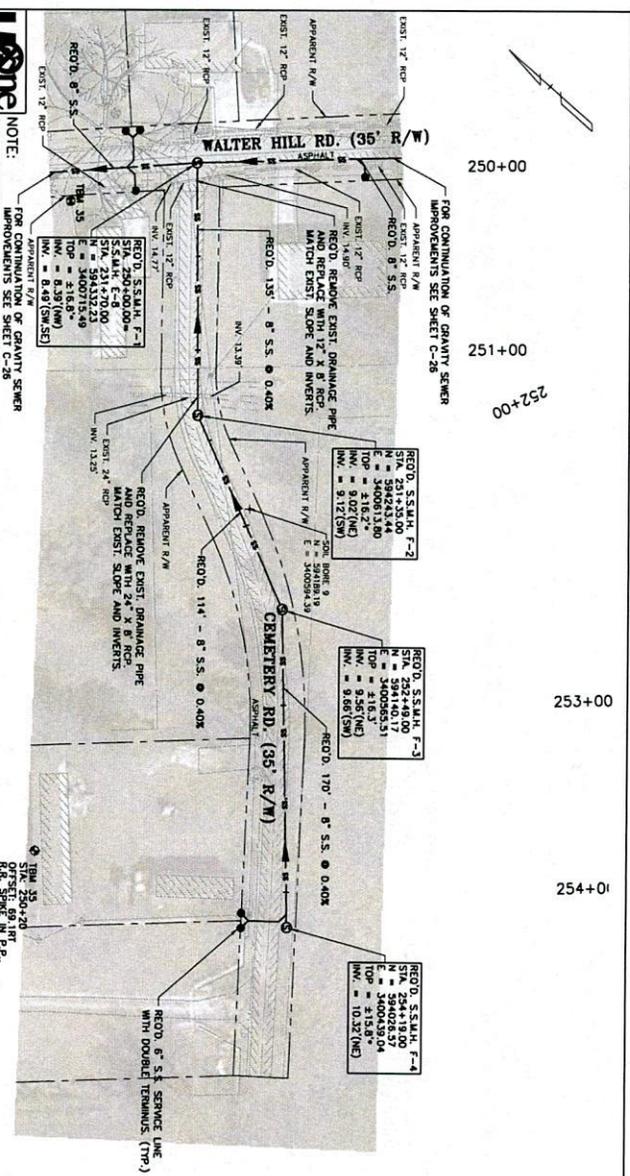
NOTE:
 SEWER SERVICES ALONG WALTER HILL RD. SHALL BE MAINTAINED AS SHOWN. CONTRACTOR SHALL BE RESPONSIBLE FOR SEWER CLEANOUT CONSTRUCTION SHALL CONFORM WITH INSPECTOR AND ENGINEER WITH CHANGES.

NOTE:
 RECD. S.S.M.H. E-11
 STA. 240+00.00
 TOP ±11.98'



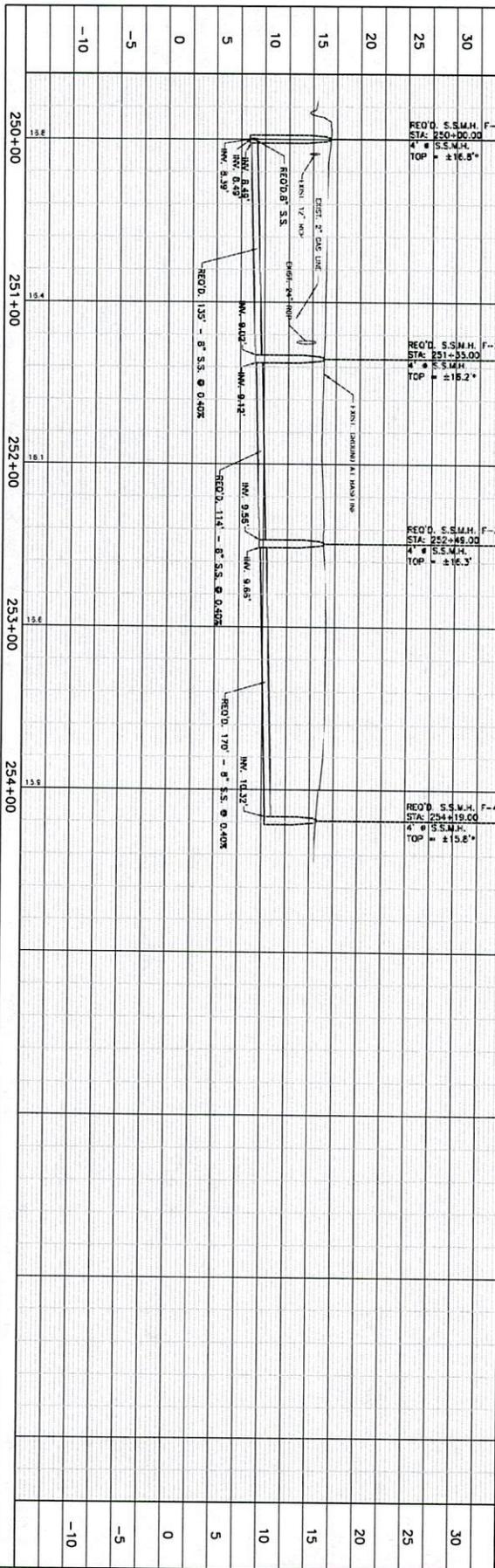
ASCENSION PARISH SEWER PROGRAM IMPROVEMENTS (HILLARYVILLE, DARROW, AND ASTROLAND) PROJECT CODE SEWR 11002, CDBG CODE 03PARA2301		DESIGNED: LAB CHECKED: LHM DATE: MARCH 2019 SHEET: C-27	EVANS-GRAVES ENGINEERS, INC. ENGINEERING CONSULTANTS 8400 W. BRUNNEN RD. SUITE 200, LA 70009 (504) 838-1820
PLAN & PROFILE - WALTER HILL ROAD GRAVITY SHEET NUMBER: C-27	REVISION DESCRIPTION NO. DATE BY		

250+00
251+00
252+00
253+00
254+00



NOTE:
FOR CONTINUATION OF GRAVITY SEWER IMPROVEMENTS SEE SHEET C-28
CONTRACTOR SHALL ENGINEER CONJUNCTION POINTS AND LOW LYING TREE BRANCHES.
*MATCH EXISTING PAVEMENT ELEVATIONS

REQD. 8" S.S. SERVICE LINE MIN DOUBLE (TERMINUS (TRY))
REQD. 8" S.S. SERVICE LINE MIN DOUBLE (TERMINUS (TRY))



2019.03.26
13:21:40
-05'00"

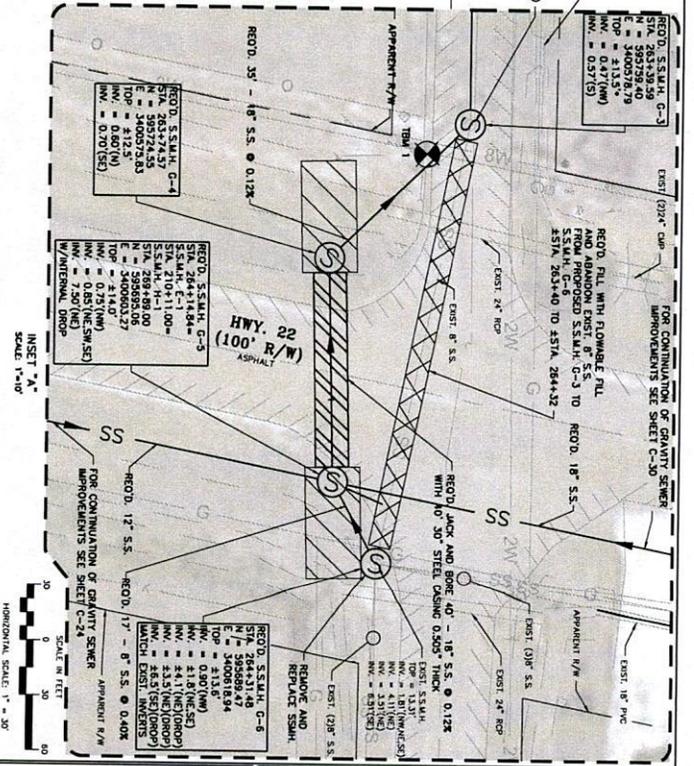
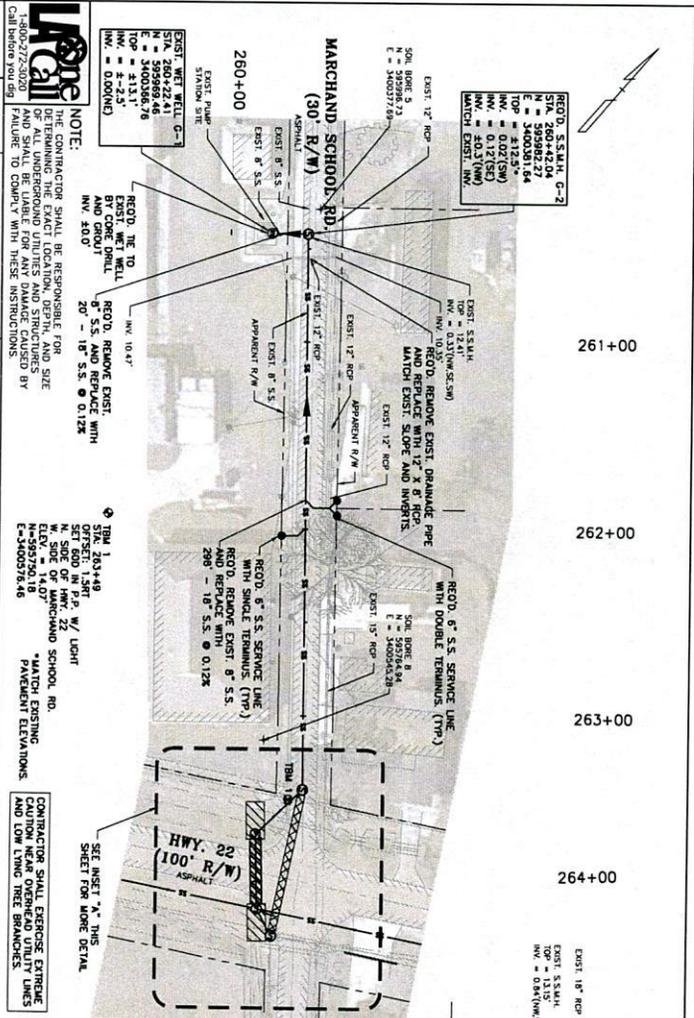


EVANS-GRAVES ENGINEERS, INC.
ENGINEERING CONSULTANTS
NEW ORLEANS, LA
SUITE 200
BAYOU BOULEVARD, 7500
(225) 834-1620

DESIGNED	LAR
CHECKED	LM
DRAWN	DM
CHECKED	LM
DATE	MARCH 2019
SHEET	C-28

ASCENSION PARISH SEWER PROGRAM IMPROVEMENTS
(HILLARYVILLE, DARROW, AND ASTROLAND)
PROJECT CODE SEWR 11002, CDBG CODE 03PARA2301
PLAN & PROFILE - CEMETERY ROAD GRAVITY

RECD. S.S.M.H. C-2
 STA. 260+42.04
 N = 395982.27
 E = 340037.81
 TOP = 413.5
 HW. = 0.02(SW)
 HW. = 0.12(ES)
 MATCH EXIST. (HW)



NO.	DATE	REVISION DESCRIPTION

NOTE:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND SHALL BE LIABLE FOR ANY DAMAGE CAUSED BY FAILURE TO COMPLY WITH THESE INSTRUCTIONS.

CONTRACTOR SHALL EXERCISE EXTREME CARE AND CAUTION NEAR OVERHEAD UTILITY LINES AND LIVE HIGH TENSION TRANSMISSIONS.

*MATCH EXISTING PAVEMENT ELEVATIONS.

CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES AND STRUCTURES PRIOR TO CONSTRUCTION.

RECD. S.S.M.H. C-3
 STA. 263+36.58
 N = 395724.53
 E = 340037.81
 TOP = 413.5
 HW. = 0.02(SW)
 HW. = 0.12(ES)

RECD. S.S.M.H. C-4
 STA. 263+74.57
 N = 395724.53
 E = 340037.81
 TOP = 413.5
 HW. = 0.02(SW)
 HW. = 0.12(ES)

RECD. S.S.M.H. C-5
 STA. 264+14.86
 N = 395724.53
 E = 340037.81
 TOP = 413.5
 HW. = 0.02(SW)
 HW. = 0.12(ES)

RECD. S.S.M.H. C-6
 STA. 264+31.48
 N = 395724.53
 E = 340037.81
 TOP = 413.5
 HW. = 0.02(SW)
 HW. = 0.12(ES)

RECD. S.S.M.H. C-2
 STA. 260+42.04
 N = 395982.27
 E = 340037.81
 TOP = 413.5
 HW. = 0.02(SW)
 HW. = 0.12(ES)
 MATCH EXIST. (HW)

RECD. S.S.M.H. C-3
 STA. 263+36.58
 N = 395724.53
 E = 340037.81
 TOP = 413.5
 HW. = 0.02(SW)
 HW. = 0.12(ES)

RECD. S.S.M.H. C-4
 STA. 263+74.57
 N = 395724.53
 E = 340037.81
 TOP = 413.5
 HW. = 0.02(SW)
 HW. = 0.12(ES)

RECD. S.S.M.H. C-5
 STA. 264+14.86
 N = 395724.53
 E = 340037.81
 TOP = 413.5
 HW. = 0.02(SW)
 HW. = 0.12(ES)

RECD. S.S.M.H. C-6
 STA. 264+31.48
 N = 395724.53
 E = 340037.81
 TOP = 413.5
 HW. = 0.02(SW)
 HW. = 0.12(ES)

RECD. S.S.M.H. C-2
 STA. 260+42.04
 N = 395982.27
 E = 340037.81
 TOP = 413.5
 HW. = 0.02(SW)
 HW. = 0.12(ES)
 MATCH EXIST. (HW)

RECD. S.S.M.H. C-3
 STA. 263+36.58
 N = 395724.53
 E = 340037.81
 TOP = 413.5
 HW. = 0.02(SW)
 HW. = 0.12(ES)

RECD. S.S.M.H. C-4
 STA. 263+74.57
 N = 395724.53
 E = 340037.81
 TOP = 413.5
 HW. = 0.02(SW)
 HW. = 0.12(ES)

RECD. S.S.M.H. C-5
 STA. 264+14.86
 N = 395724.53
 E = 340037.81
 TOP = 413.5
 HW. = 0.02(SW)
 HW. = 0.12(ES)

RECD. S.S.M.H. C-6
 STA. 264+31.48
 N = 395724.53
 E = 340037.81
 TOP = 413.5
 HW. = 0.02(SW)
 HW. = 0.12(ES)

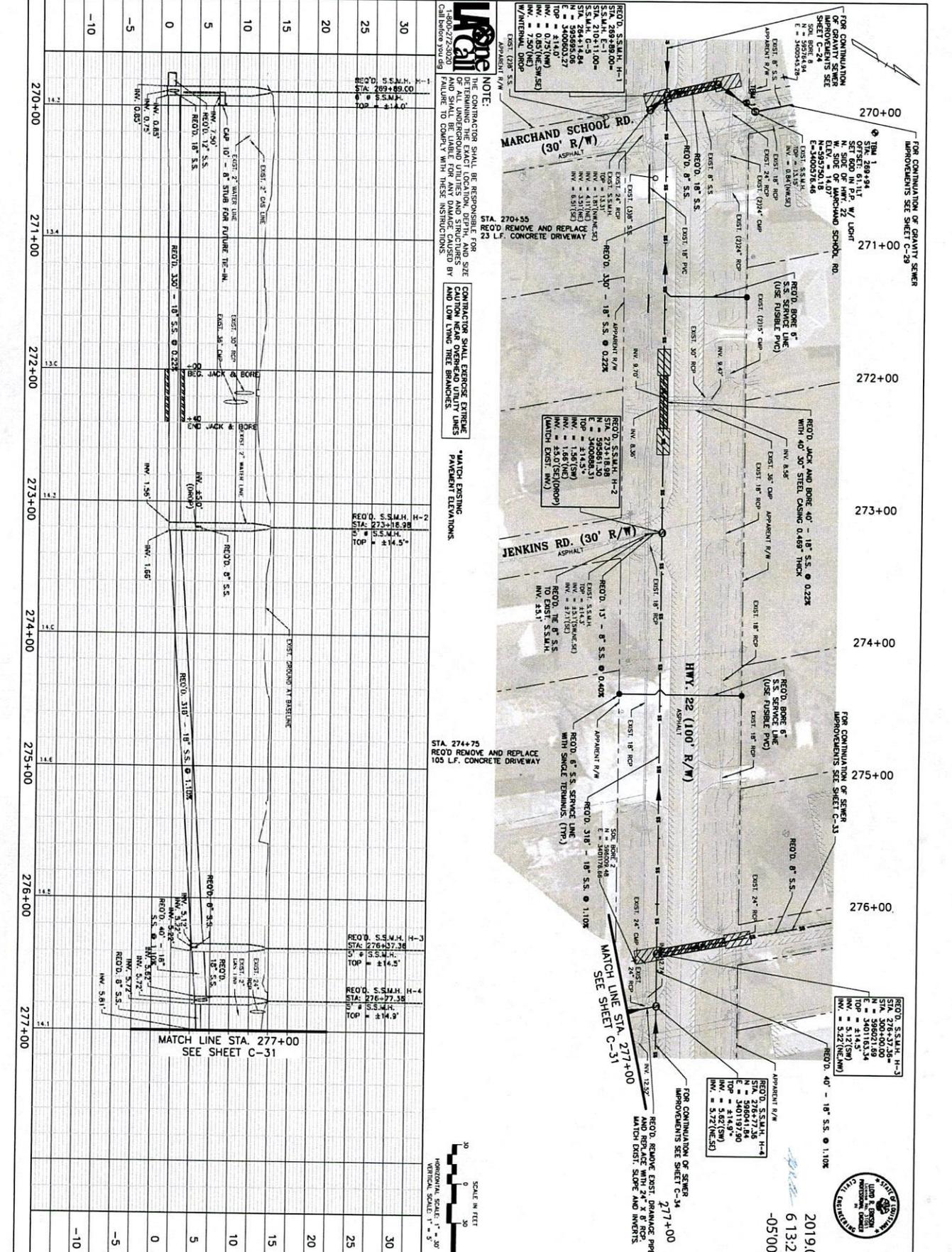
SCALE: 1" = 10'

HORIZONTAL SCALE: 1" = 20'

VERTICAL SCALE: 1" = 5'

ASCENSION PARISH SEWER PROGRAM IMPROVEMENTS
 (HILLARYVILLE, DARROW, AND ASTROLAND)
 PROJECT CODE SEWR 11002, CDBG CODE 03PARA2301
 PLAN & PROFILE - MARCHAND SCHOOL ROAD GRAVITY

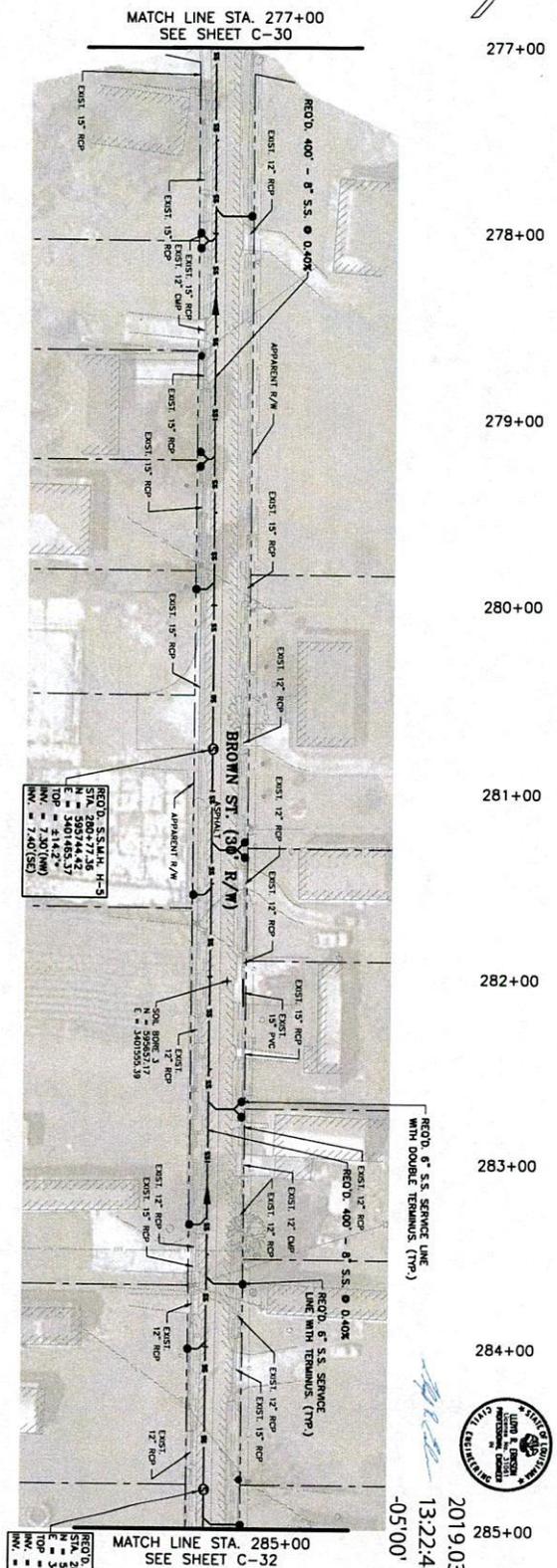
DESIGNED: LAB
 CHECKED: LAB
 DRAWN: LAB
 DATE: MARCH 2019
 SHEET: C-29



NOTE:
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND UTILITIES AND STRUCTURES BY AND SHALL BE LIABLE FOR ANY DAMAGE CAUSED BY FAILURE TO COMPLY WITH THESE INSTRUCTIONS.
 CONTRACTOR SHALL PROTECT EXISTING PAVEMENT ELEVATIONS.
 *MATCH EXISTING PAVEMENT ELEVATIONS.



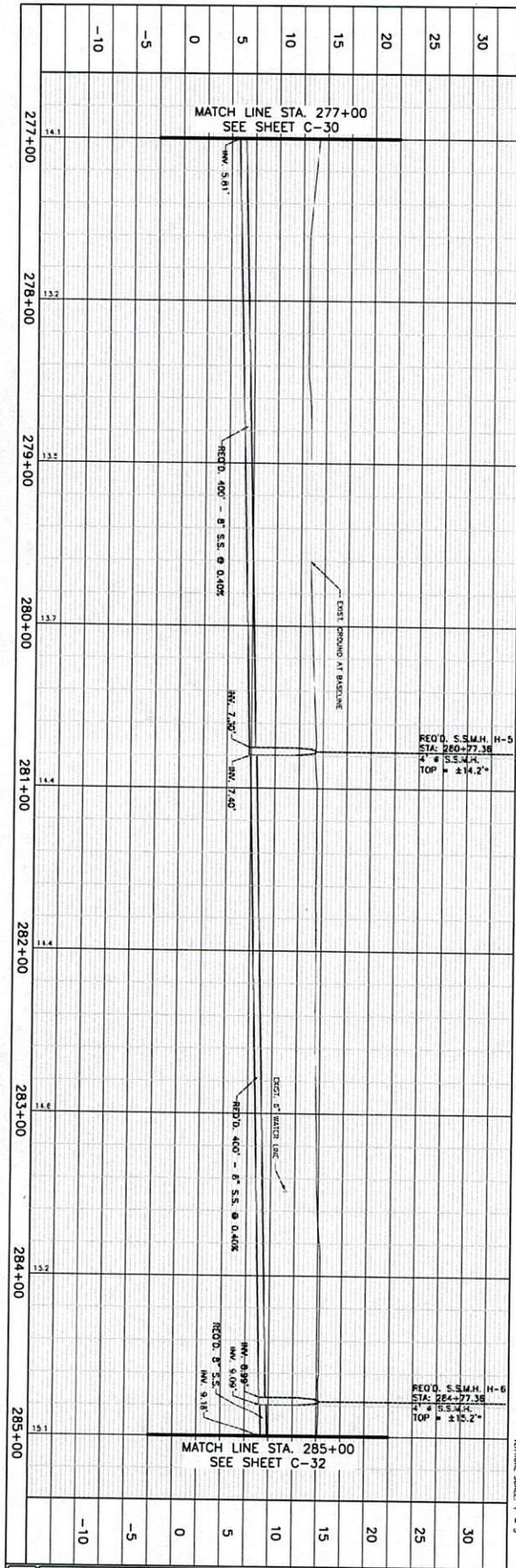
ASCENSION PARISH SEWER PROGRAM IMPROVEMENTS (HILLARYVILLE, DARROW, AND ASTROLAND) PROJECT CODE SEWR 11002, CDBG CODE 03PARA2301		DESIGNED: LAB CHECKED: JMB DATE: MARCH 2018	
PLAN & PROFILE - BROWN STREET GRAVITY		DATE: MARCH 2018 SHEET: C-30	



2019.03.26
13:22:48
-05:00'



NOTE:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SIZE AND LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES BY AND SHALL BE LIABLE FOR ANY DAMAGE CAUSED BY FAILURE TO COMPLY WITH THESE INSTRUCTIONS.
CONTRACTOR SHALL ENSURE CAREFUL CAUTION NEAR OVERHEAD UTILITY LINES AND LOW LIVING TREE BRANCHES.
*MATCH EXISTING PAVEMENT ELEVATIONS.

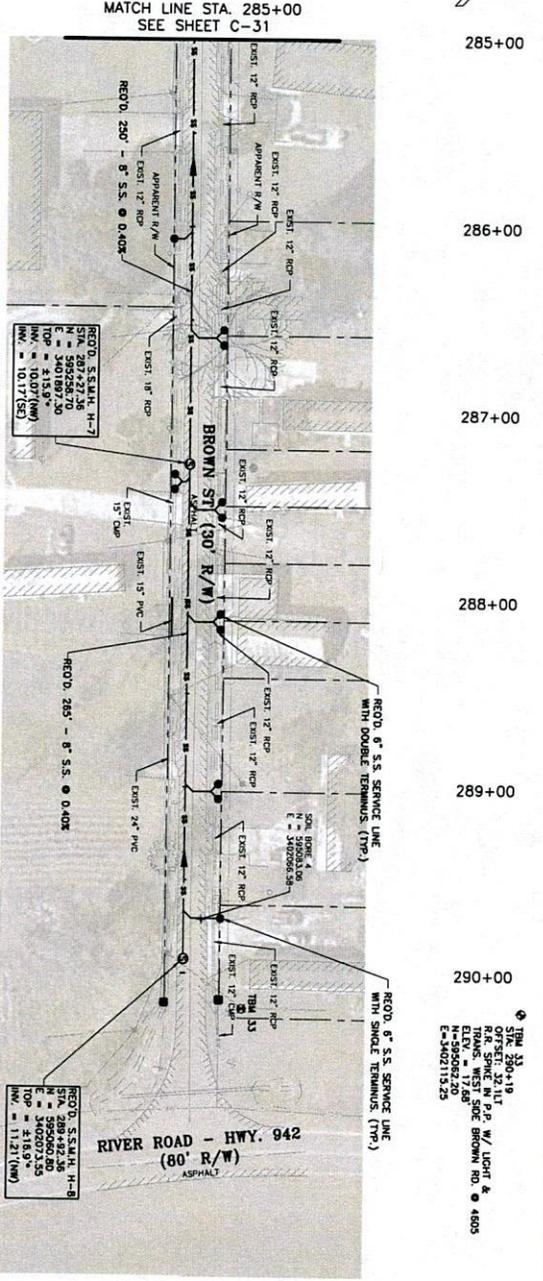


ASCENSION PARISH SEWER PROGRAM IMPROVEMENTS
(HILLARYVILLE, DARROW, AND ASTROLAND)
PROJECT CODE SEWR 11002, CDBG CODE 03PARA2301
PLAN & PROFILE - BROWN STREET GRAVITY

NO.	DATE	REVISION DESCRIPTION

DESIGNED: LAR
CHECKED: LAR
DRAWN: LAR
DATE: MARCH 2019
SHEET: C-31

EVANS-GRAVES ENGINEERS, INC.
ENGINEERING CONSULTANTS
REG. PROFESSIONAL ENGINEERS
SUITE 200 BOX 17000
BATON ROUGE, LA 70808
(225) 924-1420



STA. 290+19
 OFFSET: 22.11' N
 FROM: WEST SIDE BROWN RD @ 6505
 ELEV. = 17.68'
 E-340211525

SPECIAL REQUIREMENTS NOTES:
 1. DUE TO THE PROXIMITY OF THE WORK AREA TO THE MISSISSIPPI RIVER, EXCAVATIONS FOR THE BROWN STREET AND RIVER ROAD SHALL BE BACKFILLED AS QUICKLY AS PRACTICABLE AND WHEN THE MISSISSIPPI RIVER STAGE IS AT OR BELOW THE BOTTOM OF THE EXCAVATION (APPROX. 10 FEET AT THE DONALDSONVILLE GAGE).
 2. EXCAVATION SUPPORT STRUCTURES AND DRAINAGE SYSTEMS SHALL BE DESIGNED TO MEET OR EXCEED THE REQUIREMENTS PRESENTED TO THE MISSISSIPPI RIVER DISTRICT. ALL EXCAVATIONS SHALL BE DESIGNED, SEALED AND SHORED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE ENGINEERING IN THE STATE OF MISSISSIPPI. EXCAVATION SUPPORT AND DRAINAGE SYSTEMS SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE ENGINEERING IN THE STATE OF MISSISSIPPI.

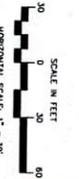
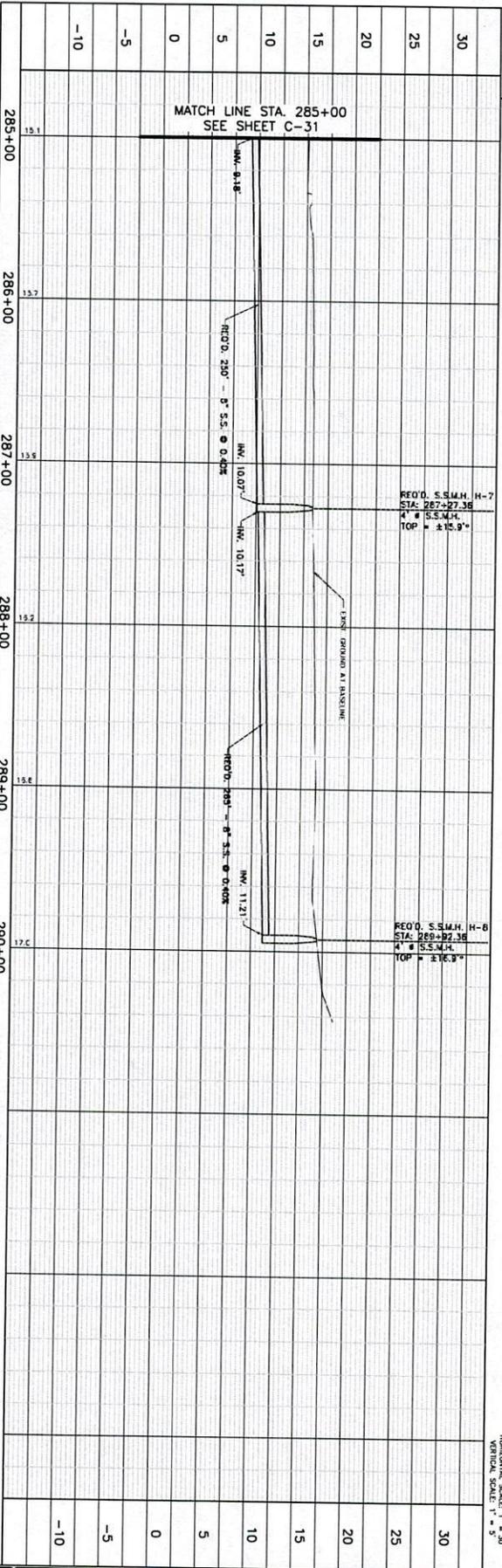
2019.03.26
 13:23:03
 -05'00"



EVANS-CRAVES ENGINEERS, INC.
 ENGINEERING CONSULTANTS
 1000 W. GULF BLVD.
 SUITE 200
 BATON ROUGE, LOUISIANA 70809
 (225) 824-1920



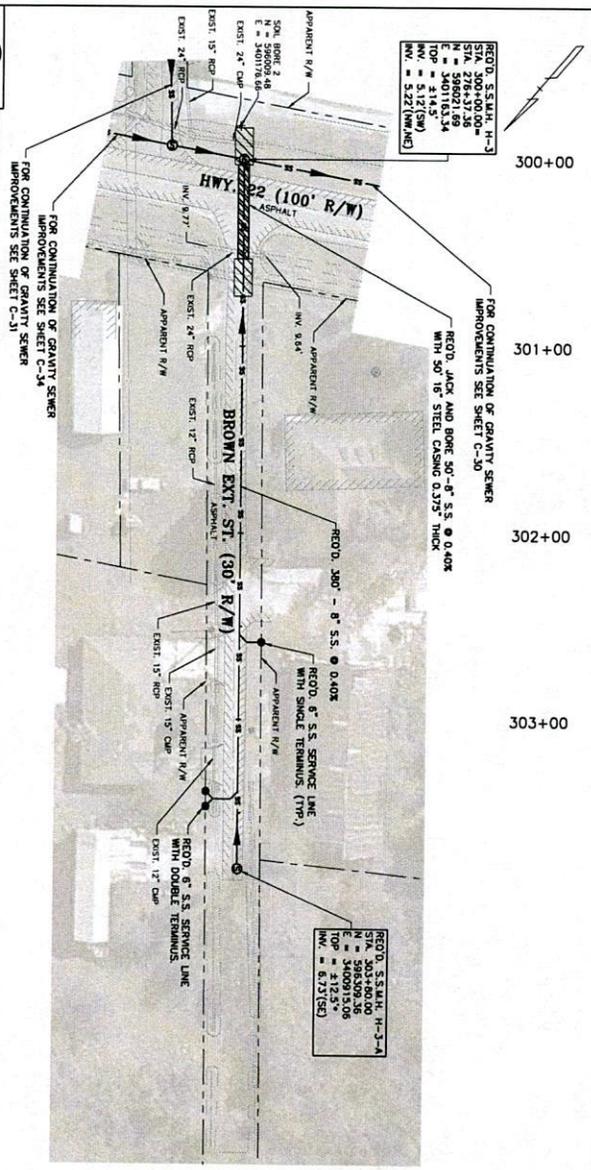
NOTE:
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SIZE OF ALL UNDERGROUND UTILITIES AND STRUCTURES BY AND SHALL BE LIABLE FOR ANY DAMAGE CAUSED BY FAILURE TO COMPLY WITH THESE INSTRUCTIONS.
 CONTRACTOR SHALL ENGINEER CURRENT AND LOW LIMB TREE BRANCHES.
 *MATCH EXISTING PAVEMENT ELEVATIONS.



NO.	DATE	REVISION DESCRIPTION

SHEET NO. C-32

ASCENSION PARISH SEWER PROGRAM IMPROVEMENTS
 (HILLARYVILLE, DARROW, AND ASTROLAND)
 PROJECT CODE SEWR 11002, CDBG CODE 03PARA2301
 PLAN & PROFILE - BROWN STREET GRAVITY

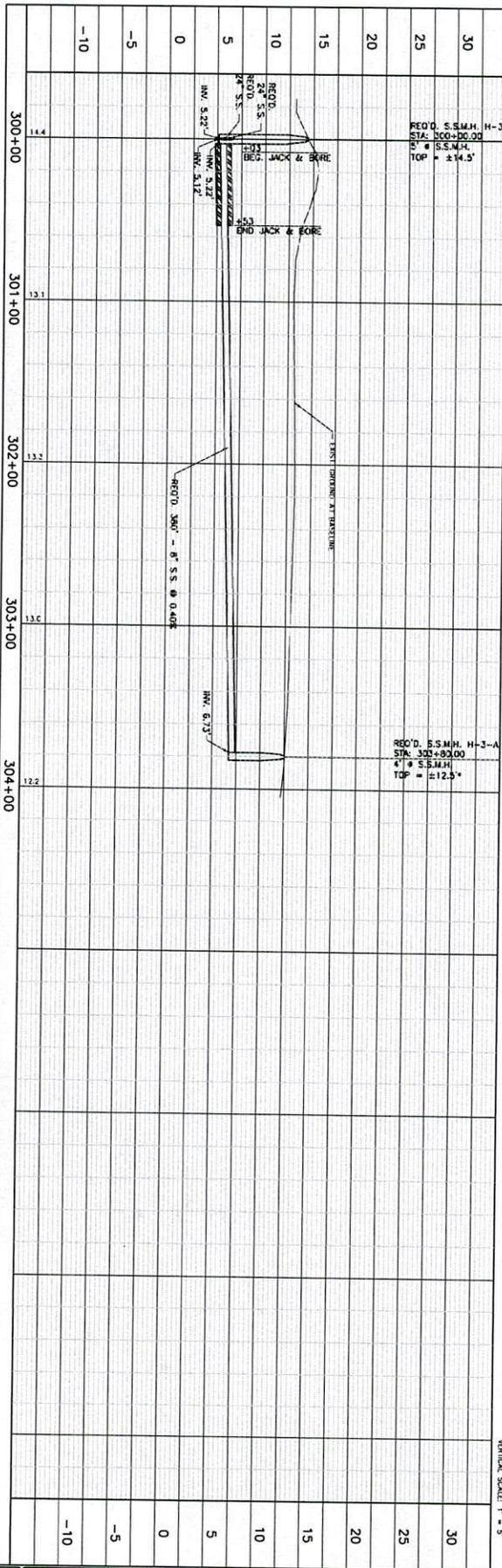


RECO. S.S. 300+00.00
 STA. 278+37.36
 E = 340178.66
 TOP = 414.5'
 HW. = 5.12 (SW)
 NW. = 5.22 (HW/MS)

RECO. S.S. 303+00.00
 STA. 300+00.00
 E = 340178.66
 TOP = 412.5'
 HW. = 6.17 (SE)

NOTE: THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SIZE AND LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES BY FIELD SURVEY TO COMPLY WITH THESE INSTRUCTIONS.

CONTRACTOR SHALL REPAIR EXISTING UTILITY LINES AND LOW LIVING TREE BRANCHES CAUTION NEAR OVERHEAD UTILITY LINES



2019.03.26
 13:23:17
 -05'00'



EVANS-GRAVES ENGINEERS, INC.
 ENGINEERING CONSULTANTS
 10089 BAYOU DRIVE, SUITE 200
 BATON ROUGE, LA 70809
 (225) 924-1920

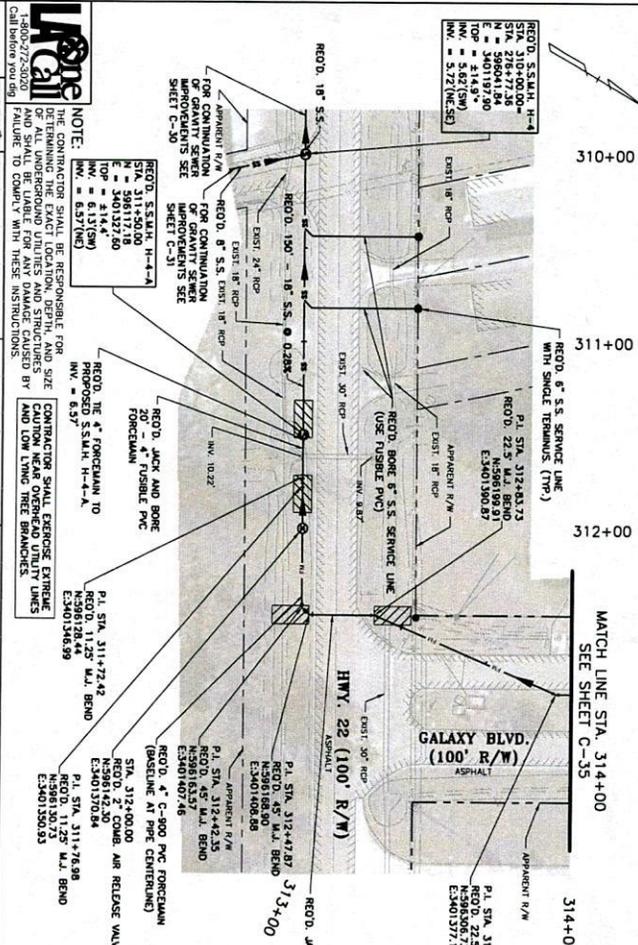


DESIGNED	LAB
CHECKED	LAB
DATE	MARCH 2019
SHEET	C-33

ASCENSION PARISH SEWER PROGRAM IMPROVEMENTS (HILLARYVILLE, DARROW, AND ASTROLAND) PROJECT CODE SEWR 11002, CDBG CODE 03PARA2301	
NO.	DATE
REVISION DESCRIPTION	

C-33

REQ'D. 5.5 S.S. H-4
 STA. 310+00.00
 E = 208641.26
 E = 240197.90
 TOP = 214.97
 NW = 5.22 (1/2" S.D.)



NOTE:
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SIZE AND SHALL BE LIABLE FOR ANY DAMAGE CAUSED BY FAILURE TO COMPLY WITH THESE INSTRUCTIONS.
 CONTRACTOR SHALL EXERCISE EXTREME CAUTION NEAR OVERHEAD UTILITY LINES AND LOW VOLTAGE TREE BRANCHES.
 MATCH EXISTING PAVEMENT ELEVATIONS.

STATION	DESCRIPTION	ELEVATION
310+00	REQ'D. 5.5 S.S. H-4	214.97
311+00	REQ'D. 18\"/>	
312+00	REQ'D. 22.5\"/>	
313+00	REQ'D. 45\"/>	
314+00	REQ'D. 22.5\"/>	

STATION	DESCRIPTION	ELEVATION
311+72.42	M.J. BEND	214.97
311+76.88	M.J. BEND	214.97
312+42.35	M.J. BEND	214.97
312+47.87	M.J. BEND	214.97
312+53.73	M.J. BEND	214.97
313+91.43	M.J. BEND	214.97

ASCENSION PARISH SEWER PROGRAM IMPROVEMENTS
 (HILLARYVILLE, DARROW, AND ASTROLAND)
 PROJECT CODE SEWR 11002, CDBG CODE 03PARA2301
 PLAN & PROFILE - GALAXY BLVD. FORCEMAIN



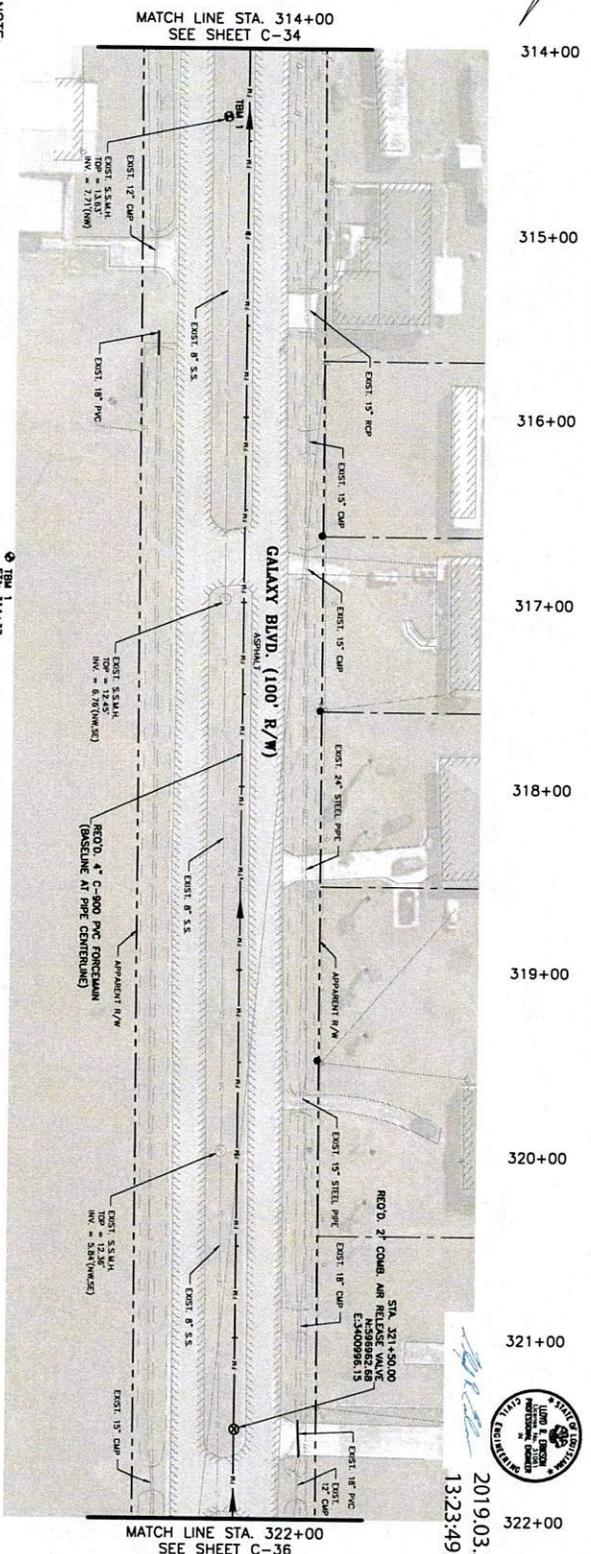
2019.03.26
 13:23:31
 -05'00"



EVANS-CRAVES ENGINEERS, INC.
 ENGINEERING CONSULTANTS
 1015 GUYTON BLVD.
 SUITE 200
 BATON ROUGE, LA 70808
 (225) 924-1420

NO.	DATE	REVISION DESCRIPTION

DESIGNED: LHM
 CHECKED: LHM
 DATE: MARCH 2019
 SHEET: C-34

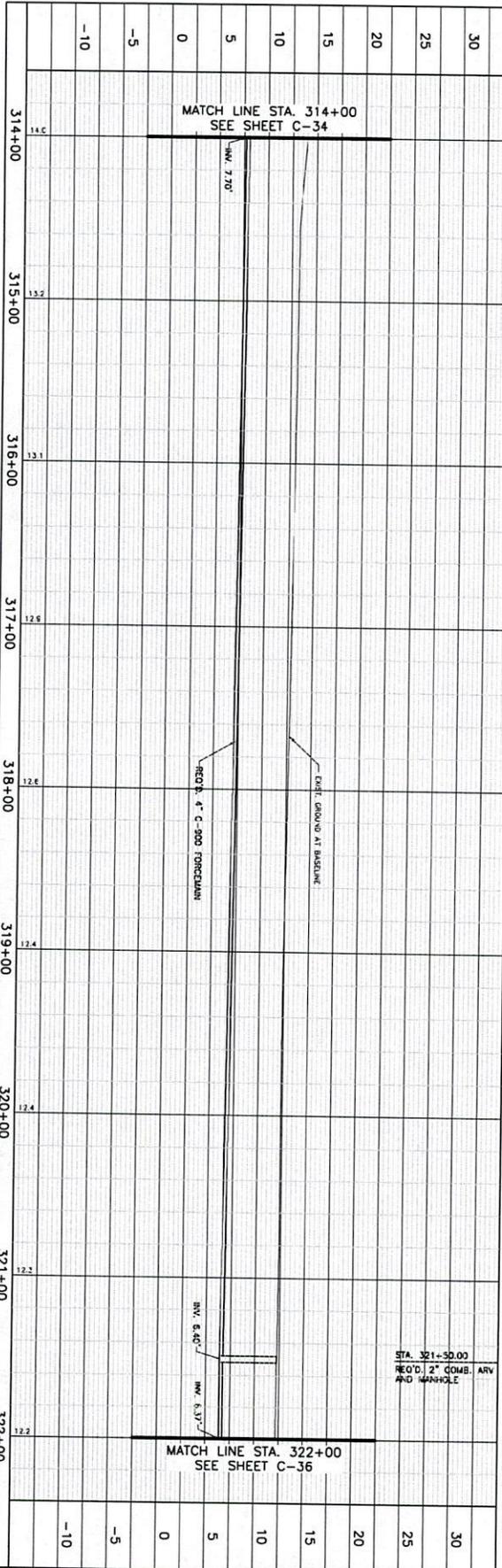


314+00
315+00
316+00
317+00
318+00
319+00
320+00
321+00
322+00

NOTE:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SIZE OF ALL UNDERGROUND UTILITIES AND STRUCTURES AND SHALL BE LIABLE FOR ANY DAMAGE CAUSED BY FAILURE TO COMPLY WITH THESE INSTRUCTIONS.

CONTRACTOR SHALL EXERCISE EXTREME CARE TO PROTECT ALL EXISTING UTILITIES AND STRUCTURES AND LOW VOLTAGE TREE BRANCHES.

DATE: 08/22/2018
BY: J. W. SMITH
PROJECT: GALAXY BLVD. (100' R/W)
SHEET: C-35



MATCH LINE STA. 314+00
SEE SHEET C-34

MATCH LINE STA. 322+00
SEE SHEET C-36

STA. 321+50.00
REQ'D. 2\"/>



2019.03.26
13:23:49 -05'00"

<p>ASCENSION PARISH SEWER PROGRAM IMPROVEMENTS (HILLARYVILLE, DARROW, AND ASTROLAND) PROJECT CODE SEWR 11002, CDBG CODE 03PARA2301</p> <p>PLAN & PROFILE - GALAXY BLVD. FORCEMAIN</p>	<p>DESIGNED: LAB CHECKED: LNC</p> <p>DATE: 08/22/2018</p> <p>SHEET: C-35</p>	<p>EVANS-GRAVES ENGINEERS, INC.</p> <p>ENGINEERING CONSULTANTS 10725 SHILOH HWY. SUITE 200 MEMPHIS, TN 38118 (901) 834-1400</p>
---	--	---

TBM 14
 STA. 323+98
 R.F. SHOWN IN P.P.
 WEST SIDE GALAXY BLVD.
 ELEV. = 10.45'
 N=591756697
 E=346079898

2019.03.26
 13:24:05 -05:00

NOTE:
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SIZE OF ALL UNDERGROUND UTILITIES AND STRUCTURES AND SHALL BE LIABLE FOR ANY DAMAGE CAUSED BY FAILURE TO COMPLY WITH THESE INSTRUCTIONS.

CONTRACTOR SHALL EXERCISE EXTREME CAUTION AND BE RESPONSIBLE FOR THE PROTECTION AND LOW LING TREE BRANCHES.

20' U.P. HORIZONTAL DEVIATION
 STA 325+86
 STA 326+09

NEED CONTRACTOR TO SUPPORT 30" RCP
 DURING CONSTRUCTION OF 4" FORCEMAIN

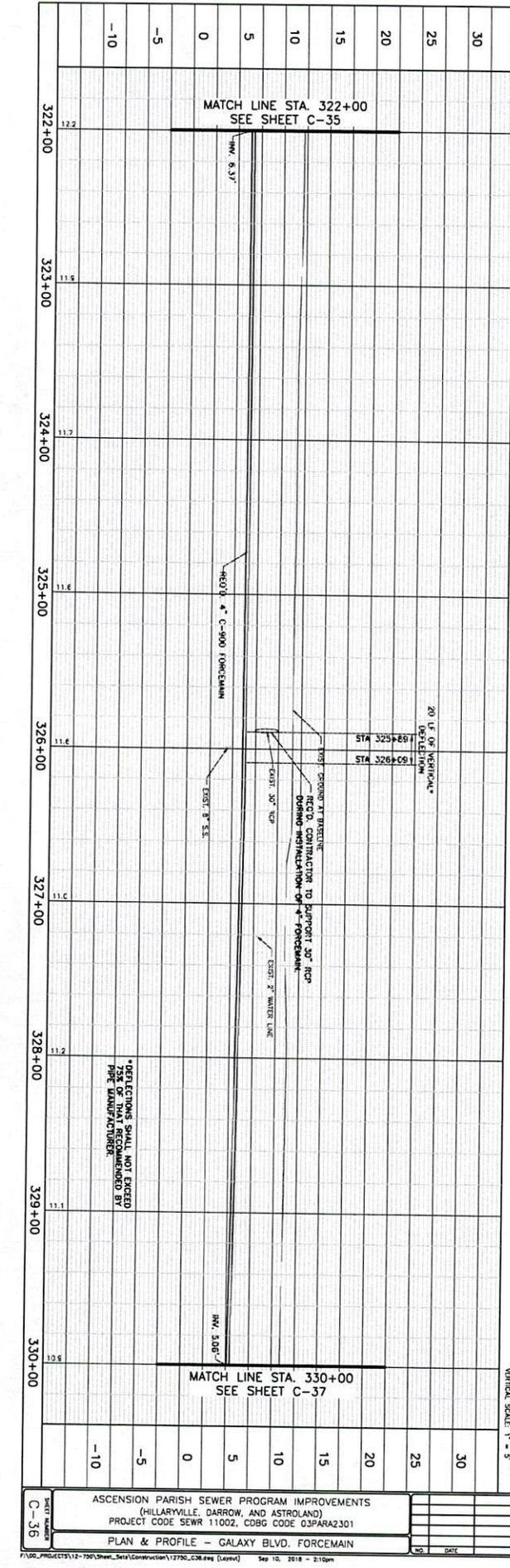
NEED CONTRACTOR TO SUPPORT 30" RCP
 DURING CONSTRUCTION OF 4" FORCEMAIN

*DEFLECTIONS SHALL NOT EXCEED 75% OF THAT RECOMMENDED BY PIPE MANUFACTURER.

MATCH LINE STA. 322+00
 SEE SHEET C-35

MATCH LINE STA. 330+00
 SEE SHEET C-37

SCALE IN FEET
 HORIZONTAL SCALE: 1" = 30'
 VERTICAL SCALE: 1" = 5'



C-36

ASCENSION PARISH SEWER PROGRAM IMPROVEMENTS
 (HILLARYVILLE, DARROW, AND ASTROLAND)
 PROJECT CODE SEWR 11002, CDBG CODE 03PARA2301
 PLAN & PROFILE - GALAXY BLVD. FORCEMAIN

NO.	DATE	REVISION DESCRIPTION

DESIGNED	LAB
CHECKED	LINE
DATE	MARCH 2019
SHEET	C-36

EVANS-GRAVES ENGINEERS, INC.
 ENGINEERING CONSULTANTS
 807 GRIFFIN HWY.
 SUITE 202
 BATON ROUGE, LA 70809
 (225) 624-1620

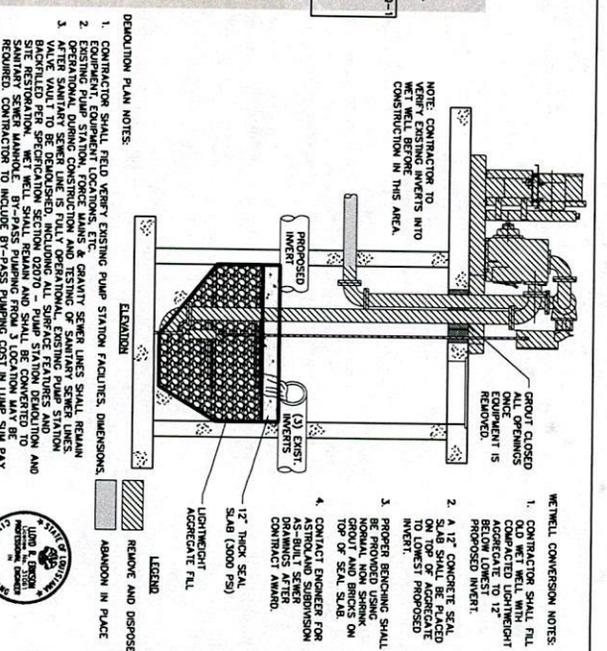
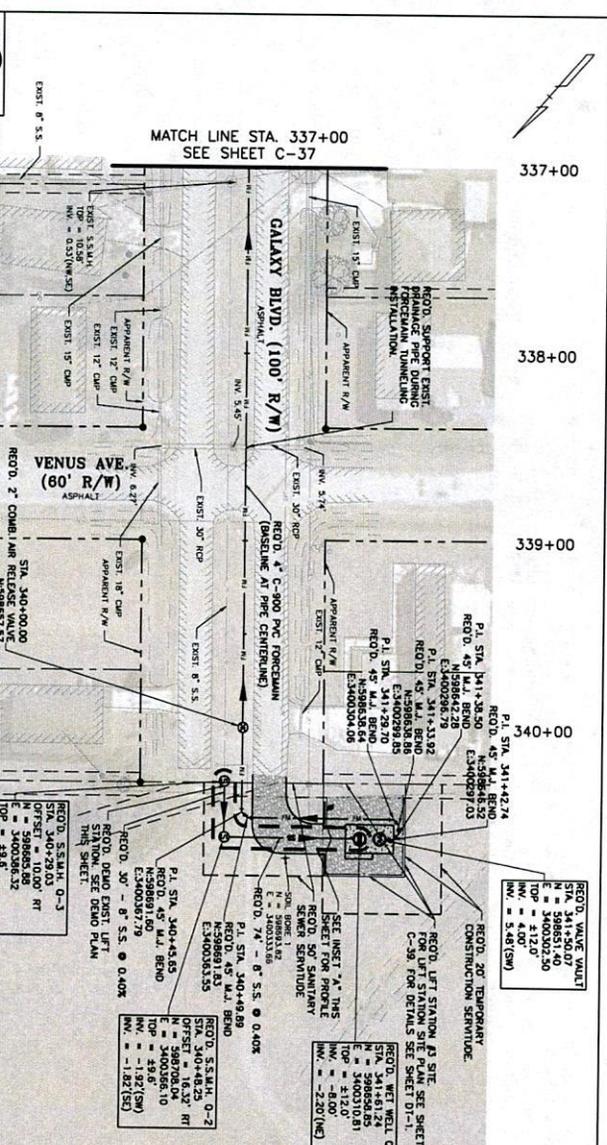


One Call
 1-800-272-3020
 Call before you dig

NOTE:
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SIZE OF ALL UNDERGROUND UTILITIES AND STRUCTURES TO BE REMOVED TO COMPLY WITH THESE INSTRUCTIONS.
 CONTRACTOR SHALL REMOVE EXISTING UTILITY AND LOW VOLTAGE TREE BRANCHES.

NOTE:
 EXISTING INVERTS ARE HIGHER THAN 2 FEET FROM LOWEST REQUIRED.

DEMOLITION PLAN FOR EXIST. ASTROLAND LIFT STATION
 2019.03.26
 13:24:41
 -05'00'



DEMOLITION PLAN NOTES:
 1. CONTRACTOR SHALL VERIFY EXISTING PUMP STATION FACILITIES, DIMENSIONS, EQUIPMENT, LOCATION, ELECTRICAL, AND GRAVITY SEWER LINES SHALL REMAIN.
 2. EXISTING PUMP STATION CONSTRUCTION AND TESTING OF SURFACE SEWER LINES AFTER VALVE SERVICE CONSTRUCTION AND TESTING OF SURFACE SEWER LINES.
 3. VALVE WALK TO BE DEMOLISHED, INCLUDING ALL SURFACE FEATURES AND SURFACE SEWER MANHOLE. BY-PASS PUMPING FROM A LOCATION MAY BE REQUIRED. CONTRACTOR TO INCLUDE BY-PASS PUMPING COST IN LUMP SUM PAY.
 4. EXISTING WATER SERVICE SHALL BE FIELD VERIFIED AND ABANDONED. CONTRACTOR SHALL NOTIFY WATER COMPANY FOR TERMINATION OF SERVICE.

DEMOLITION PLAN FOR EXIST. ASTROLAND LIFT STATION
 N.T.S.

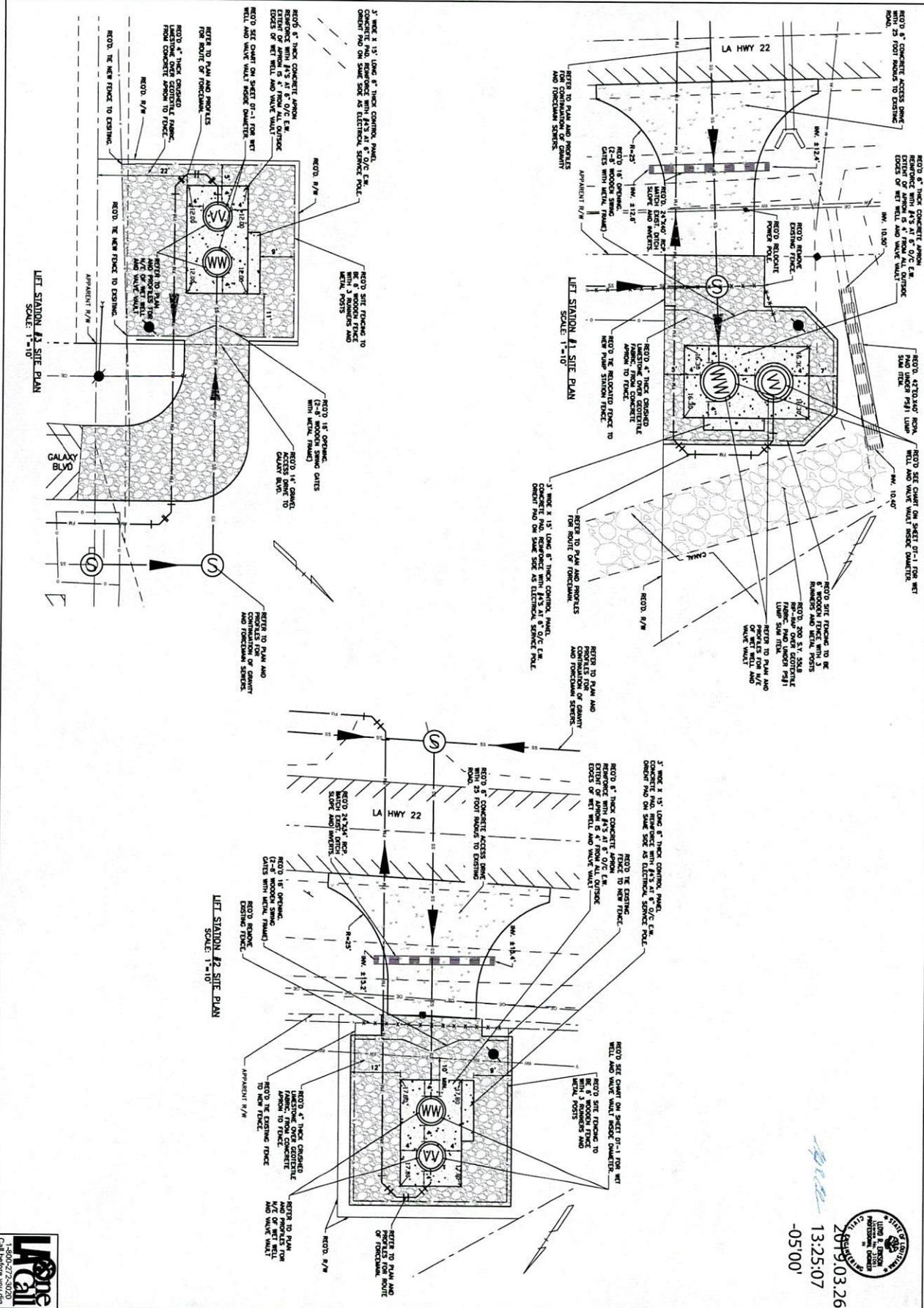
STATION	DESCRIPTION	INVERT	DIAMETER	REMARKS
337+00	MATCH LINE STA. 337+00 SEE SHEET C-37			
338+00				
339+00				
340+00	RECD. 4\"/>			
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ASCENSION PARISH SEWER PROGRAM IMPROVEMENTS (HILLARYVILLE, DARROW, AND ASTROLAND)
 PROJECT CODE SEWR 11002, CDBG CODE 03PARA2301

PLAN & PROFILE - GALAXY BLVD, FORCEMAIN

DESIGNED: LAB
 CHECKED: LAB
 DETAILED: DWB
 DATE: 1 MARCH 2018
 SHEET: C-38

EVANS-CRAVES ENGINEERS, INC.
 ENGINEERING CONSULTANTS
 8470 RIVER ROAD
 SUITE 200
 METairie, LA 70002
 (504) 885-1420



2019.03.26
13:25:07
-05:00'



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

LIFT STATION SITE PLANS

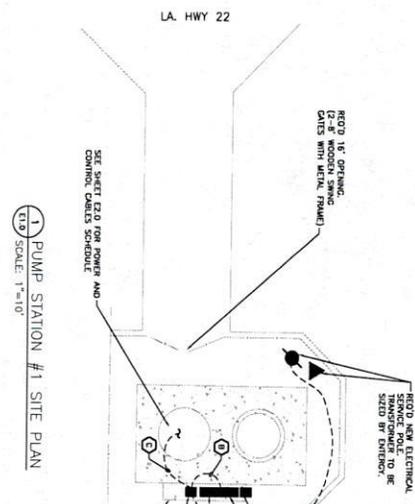
NO.	DATE	REVISION DESCRIPTION

DESIGNED	LAR
CHECKED	UNK
DRAWN	UNK
CHECKED	UNK
DATE	MARCH 2019
SHEET	C-38



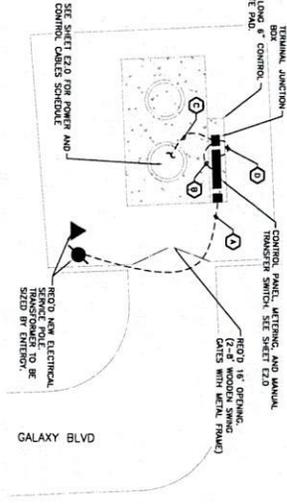
EVANS-GRAVES ENGINEERS, INC.
ENGINEERING CONSULTANTS
8175 EVERETT BOULEVARD, SUITE 200
BATON ROUGE, LA 70809
(225) 824-1420

CABLE AND CONDUIT SCHEDULE	
①	4 #3 & 1 #8 O.D. 3" C
②	1 1/2" C, 6 #8 & 1 #10 O.D.
③	SEE TABLE SHEET E20
④	SEE TABLE SHEET E20



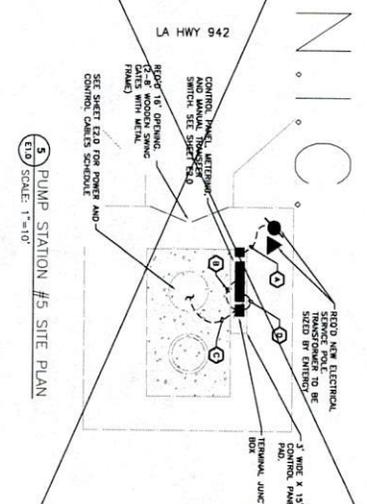
① PUMP STATION #1 SITE PLAN
SCALE: 1"=10'

CABLE AND CONDUIT SCHEDULE	
①	4 #3 & 1 #8 O.D. 3" C
②	1 1/2" C, 6 #8 & 1 #10 O.D.
③	SEE TABLE SHEET E20
④	SEE TABLE SHEET E20



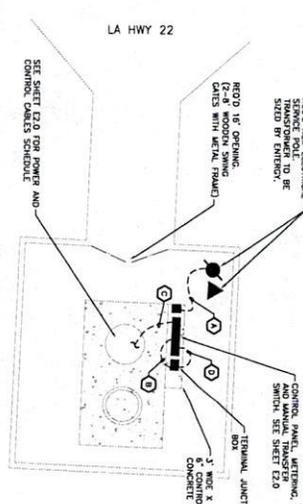
③ PUMP STATION #3 SITE PLAN
SCALE: 1"=10'

CABLE AND CONDUIT SCHEDULE	
①	4 #3 & 1 #8 O.D. 3" C
②	1 1/2" C, 6 #8 & 1 #10 O.D.
③	SEE TABLE SHEET E20
④	SEE TABLE SHEET E20



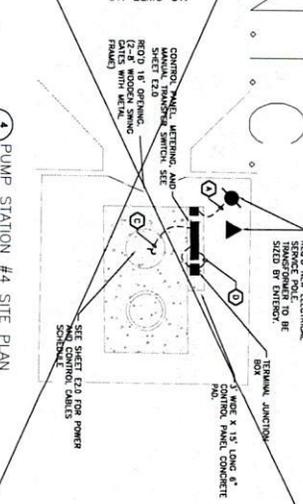
⑤ PUMP STATION #5 SITE PLAN
SCALE: 1"=10'

CABLE AND CONDUIT SCHEDULE	
①	4 #3 & 1 #8 O.D. 3" C
②	1 1/2" C, 6 #8 & 1 #10 O.D.
③	SEE TABLE SHEET E20
④	SEE TABLE SHEET E20



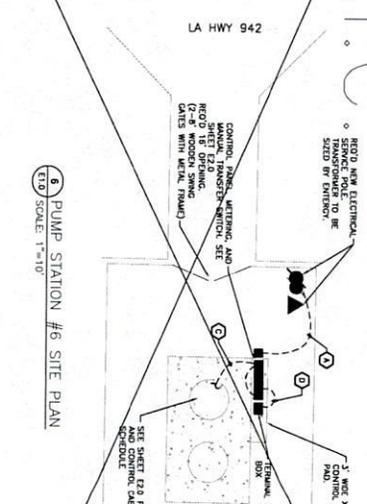
② PUMP STATION #2 SITE PLAN
SCALE: 1"=10'

CABLE AND CONDUIT SCHEDULE	
①	4 #3 & 1 #8 O.D. 3" C
②	1 1/2" C, 6 #8 & 1 #10 O.D.
③	SEE TABLE SHEET E20
④	SEE TABLE SHEET E20



④ PUMP STATION #4 SITE PLAN
SCALE: 1"=10'

CABLE AND CONDUIT SCHEDULE	
①	4 #3 & 1 #8 O.D. 3" C
②	1 1/2" C, 6 #8 & 1 #10 O.D.
③	SEE TABLE SHEET E20
④	SEE TABLE SHEET E20



⑥ PUMP STATION #6 SITE PLAN
SCALE: 1"=10'

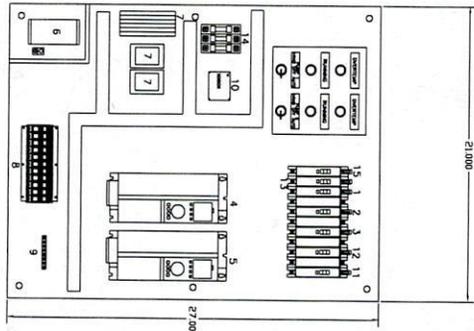
MANHOLE COUNTELL & ASSOCIATES
CONSULTING ENGINEERS
1000 N. GULF BLVD., SUITE 100
HOUSTON, TEXAS 77002
PH: 281.463.1300
FAX: 281.463.1301



ASCENSION PARISH SEWER PROGRAM IMPROVEMENTS
(HILLARYVILLE, DARROW, ST. ELMO AREAS)
PROJECT CODE 2010.0012, EXPENDITURE CODE 89.494.4.392, CDBG CODE 03PARA2301

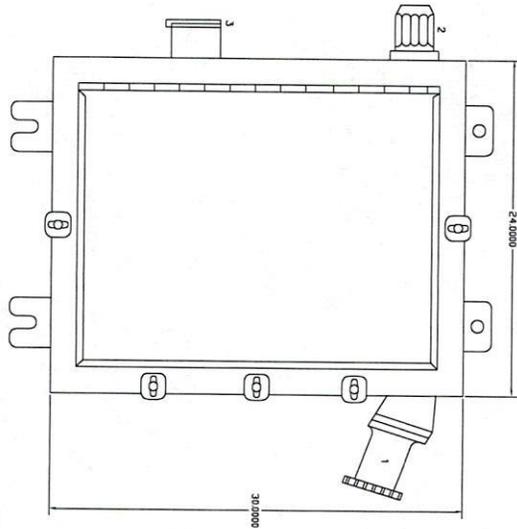
NO.	DATE	REVISION DESCRIPTION	BY

EVANS-GRAVES ENGINEERS, INC.
ENGINEERING CONSULTANTS
1505 W. 15TH ST., SUITE 100
HOUSTON, TEXAS 77002
(281) 428-1910



1 CONTROL PANEL
INNER DEADFRONT DOOR
(E2.1) (SHOWN WITH OUTER DOORS REMOVED)

TAG#	QTY	DESCRIPTION
1	1	CCB CONTROL BREAKER
2	1	MB1 MOTOR BREAKER 1
3	1	MB2 MOTOR BREAKER 2
4	1	PC1 VFD
5	1	PC2 VFD
6	1	ISR INTRINSICALLY SAFE FLOAT RELAY
7	1	R RELAY
8	1	TS TERMINAL STRIPS
9	1	C GROUND
10	1	VA VOLTAGE MONITOR
11	1	MCB MAIN BREAKER
12	1	ECB EMERGENCY BREAKER
13	1	DRB RECEPTACLE BREAKER
14	1	FUSE HOLDERS
15	1	CR2 FOR SECURITY LIGHT



2 CONTROL PANEL
BACKPAN LAYOUT
(E2.1) (SHOWN WITH ALL DOORS REMOVED)

TAG#	QTY	TYPE	DESCRIPTION
1	1	PLATE	GENERATOR RECEPTACLE
2	1	PLATE	ALARM LIGHT
3	1	PLATE	1GT DUPLEX RECEPTACLE WITH BACK BOX AND COVER

NOTES:
1. SEE ALL NOTES ON DRAWING SHEET E2.1.
2. SEE ALL NOTES ON DRAWING SHEET E2.2.



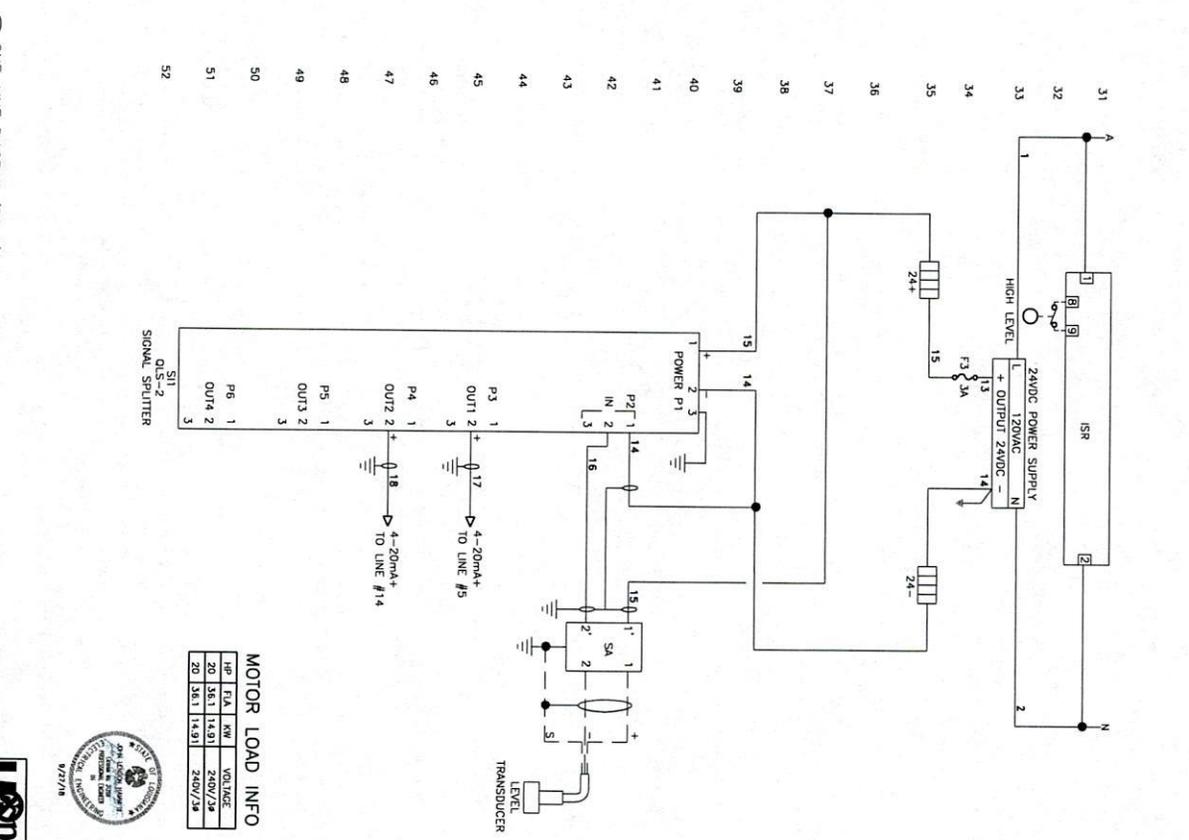
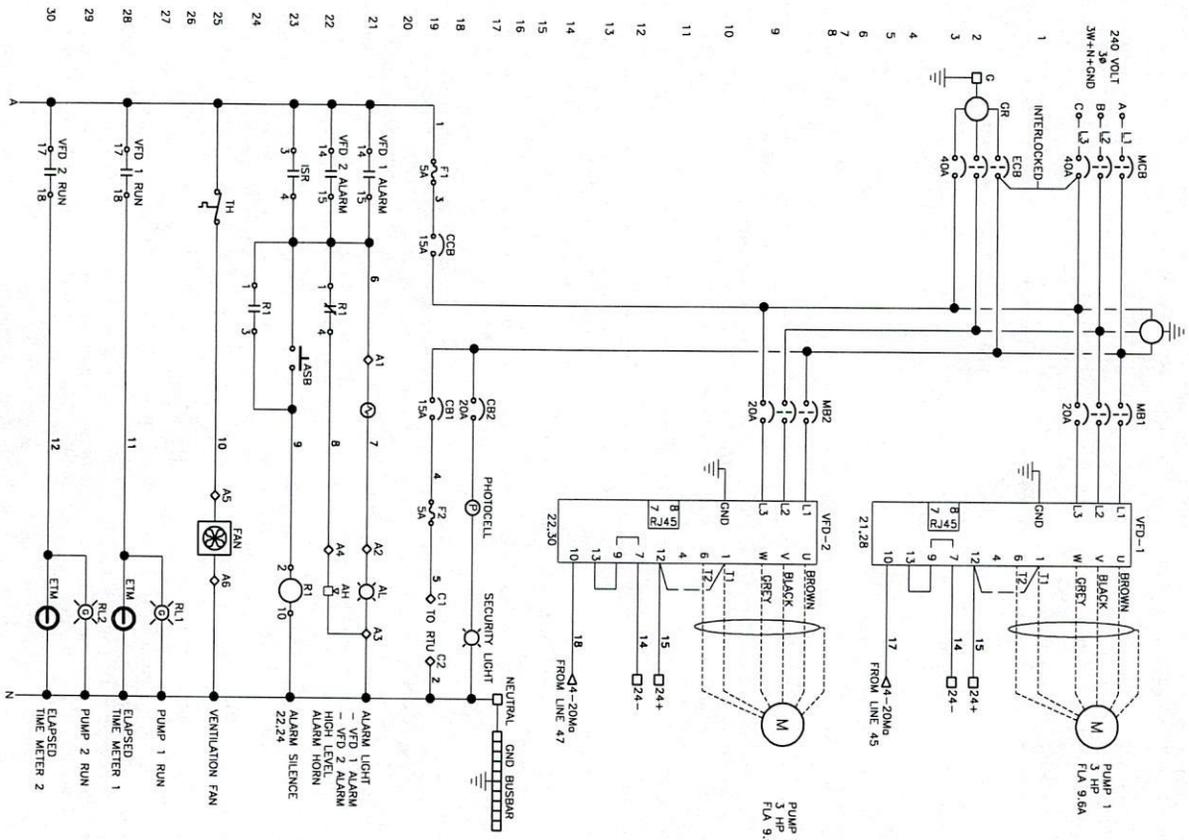
MASTENHO COUVALON & ASSOCIATES
CONSULTING ENGINEERS
1415 PINE ST. SUITE 200
MONROE, LA 70130
504.335.1300 FAX 504.335.1301



NO.	DATE	REVISION DESCRIPTION	DESIGNED	CHECKED	DRAWN	DATE	SHEET
			LAR	LAR	DRP	JUNE 2013	C-80



EVANS-GRAVES ENGINEERS, INC.
ENGINEERING CONSULTANTS
8132 DEVILSON HWY.
SUITE 200
BATON ROUGE, LA 70806
(713) 826-1826



MOTOR LOAD INFO

HP	FLA	KVA	VOLTAGE
20	36.1	14.91	240V/3ø
20	36.1	14.91	240V/3ø

ONE-LINE DIAGRAM (PS 1)
SCALE: N.T.S.

MAHERNO CONSULTING & ASSOCIATES
ENGINEERING CONSULTANTS
1000 N. GARDNER ST., SUITE 100
DALLAS, TEXAS 75242
TEL: 972.443.1800 FAX: 972.443.1801



ASCENSION PARISH SEWER PROGRAM IMPROVEMENTS
(HILLARYVILLE, DARROW, ST. ELMO AREAS)
PROJECT CODE 2010.0012, EXPENDITURE CODE 89.494.4392, CDBG CODE 03PARA2301

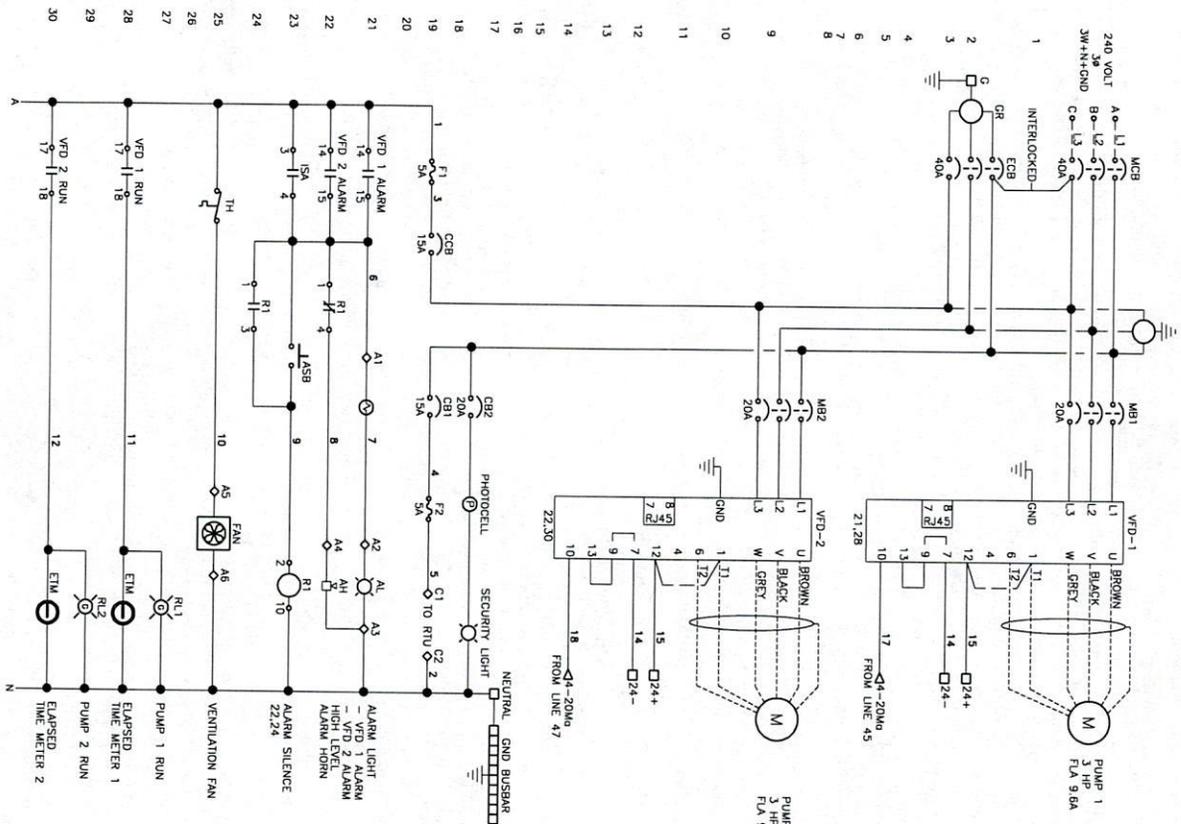
ONE LINE DIAGRAM AND SCHEMATIC

NO.	DATE	REVISION DESCRIPTION

DESIGNED	LAB
CHECKED	LAB
DRAWN	SW
CHECKED	SW
DATE	JUNE 2013
SHEET	C-80

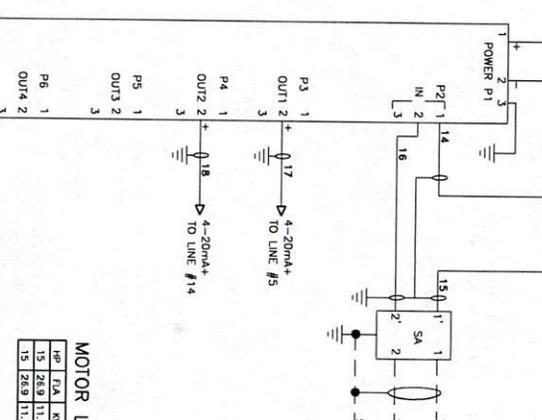
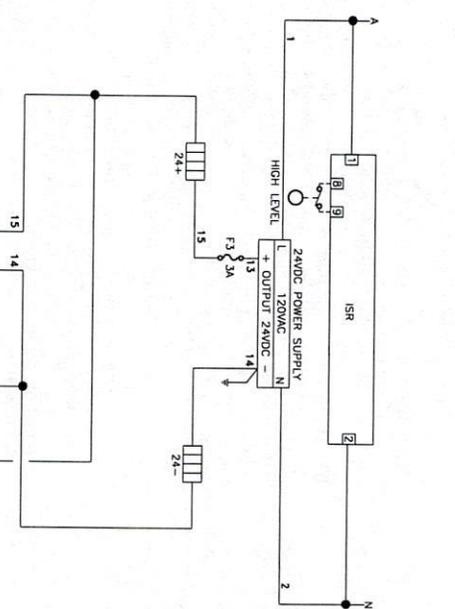


EVANS-GRAVES ENGINEERS, INC.
ENGINEERING CONSULTANTS
1000 N. GARDNER ST., SUITE 100
DALLAS, TEXAS 75242
TEL: 972.443.1800 FAX: 972.443.1801



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ONE-LINE DIAGRAM (PS 2)
SCALE: N.T.S.



MOTOR LOAD INFO

HP	FLA	KVA	VOLTADE
15	26.9	11.18	240V/3ø
15	26.9	11.18	240V/3ø

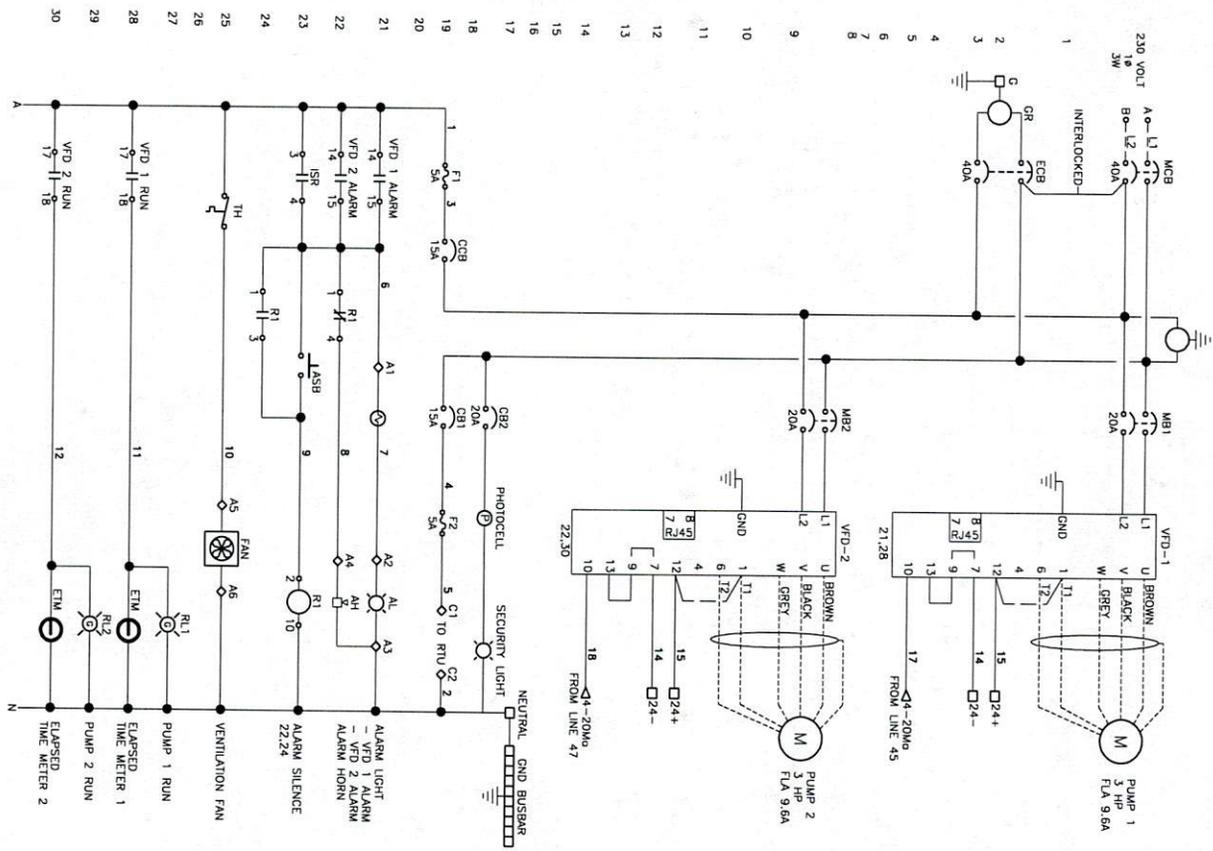


MASTROIO CONSULTING & ASSOCIATES
 1400 N. BOULEVARD
 SUITE 300
 BATON ROUGE, LA 70806
 (504) 762-1000
 FAX: (504) 762-1001
 WWW.MASTROIO.COM

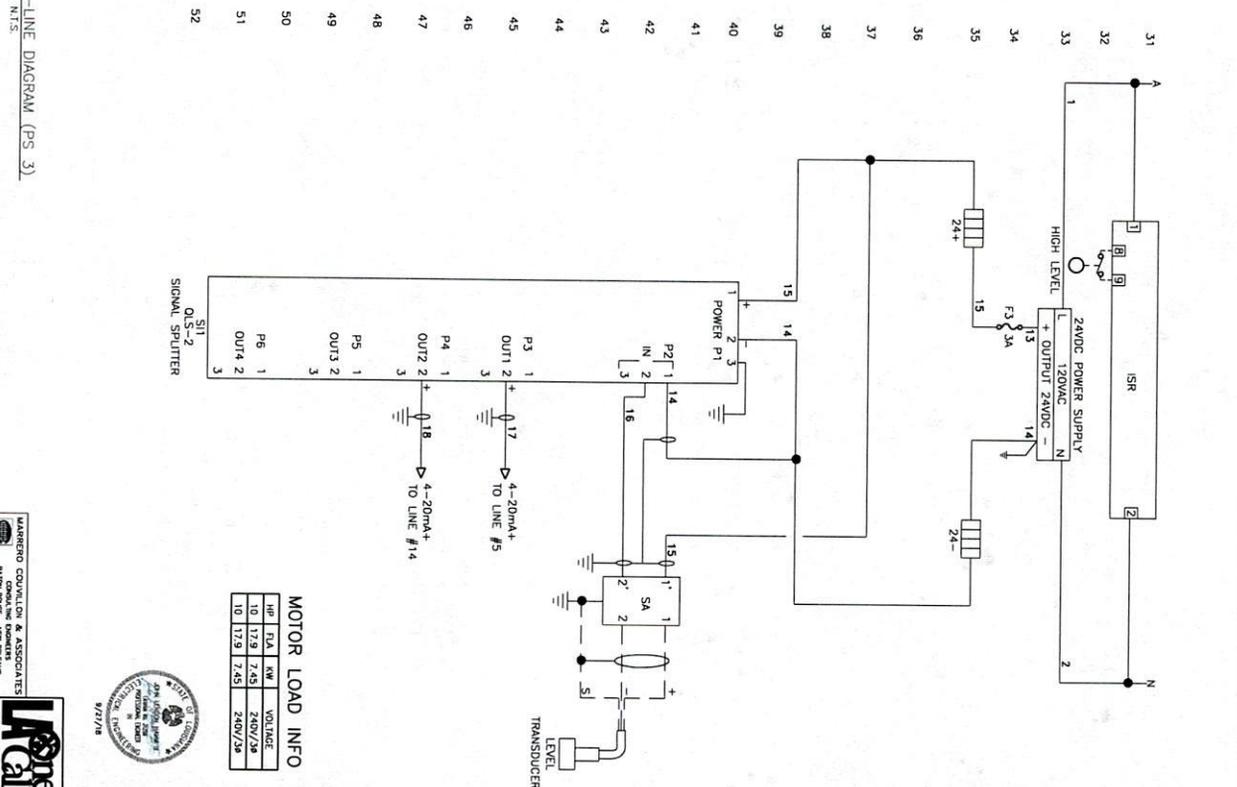
ASCENSION PARISH SEWER PROGRAM IMPROVEMENTS
 (HILLARYVILLE, DARROW, ST. ELMO AREAS)
 PROJECT CODE 2010.0012, EXPENDITURE CODE 89.494.4392, CDBG CODE 03PARA2301

NO.	DATE	REVISION DESCRIPTION

EVANS-GRAVES ENGINEERS, INC.
 ENGINEERING CONSULTANTS
 5025 REVEREND
 SUITE 300
 BATON ROUGE, LA 70806
 (225) 926-1820



ONE-LINE DIAGRAM (PS 3)
SCALE: N.T.S.



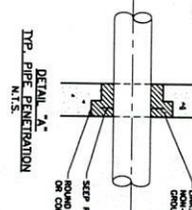
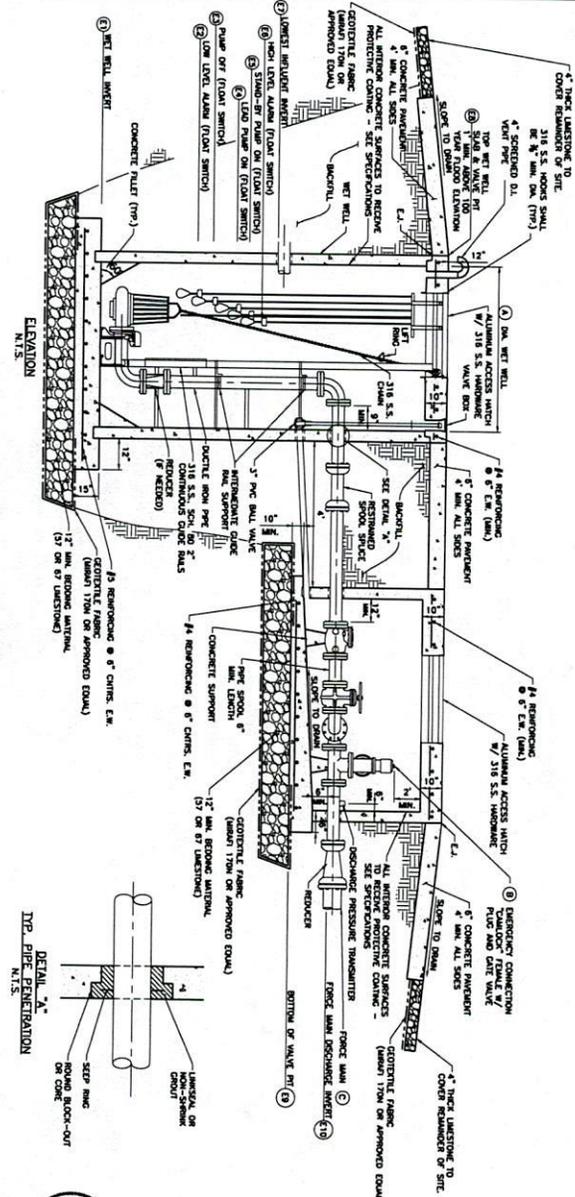
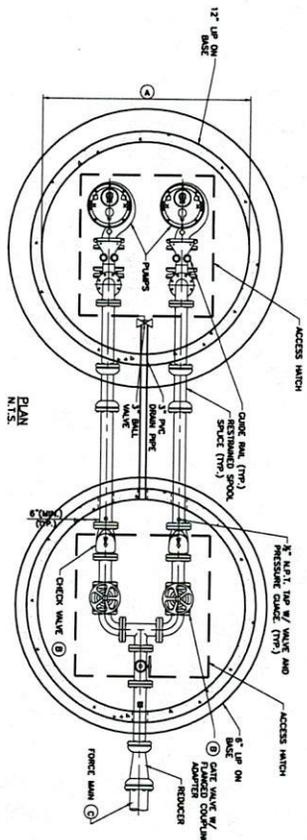
MOTOR LOAD INFO

HP	FLA	KW	VOLTAGE
10	17.9	7.45	230V/3P
10	17.9	7.45	230V/3P



HARRING COUNTELL & ASSOCIATES
ELECTRICAL ENGINEERS
1400-272-3020
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<p>ASCENSION PARISH SEWER PROGRAM IMPROVEMENTS (HILLARYVILLE, DARROW, ST. ELMO AREAS) PROJECT CODE 2010.0012, EXPENDITURE CODE 89.494.4392, CDBG CODE 03PARA2301</p>		<p>DESIGNED LAR CHECKED LAR DETAILED DRP CHECKED DRP DATE JUNE 2013 SHEET C-80</p>	<p>EVANS-GRAVES ENGINEERS, INC. ENGINEERING CONSULTANTS 6515 W. LEBLANC BLVD. SUITE 300 BATON ROUGE, LOUISIANA 70809 (225) 926-1820</p>
<p>ONE LINE DIAGRAM AND SCHEMATIC</p>		<p>NO. DATE REVISION DESCRIPTION</p>	<p>PROJECT NO. 13-0011</p>



PUMP CONTROL SETTINGS			
DESCRIPTION	LEFT STATION #1	LEFT STATION #2	LEFT STATION #3
A-ROCK DRAIN OF WET WELL/VALVE VALVE	8 FT.	8 FT.	8 FT.
B-CHECK/DAVE VALVE/ OVER CONK SIZE	4"	4"	4"
C-FORCE MAIN SIZE	6"	6"	6"
D-ACCESS SWITCH DIMENSIONS	36" X 48" (2-0000)	36" X 48" (2-0000)	36" X 48" (2-0000)
CONTROL POINT	ELEVATION	ELEVATION	ELEVATION
E1-WET WELL INVERT	-8.0	-8.0	-8.0
E2-LOW LEVEL ALARM	-4.5	-2.5	-6.5
E3-PIUMPS OFF ELEVATION	-4.0	-2.0	-6.0
E4-LEAD PUMP ON ELEVATION	-1.1	1.0	-3.0
E5-STAND BY PUMP ON ELEVATION	0.0	2.0	-2.75
E6-HIGH WATER ALARM	1.0	-1.0	-1.0
E7-LOWEST INVERT INVERT	-1.03	3.3	-2.2
E8-WET WELL/VALVE VALVE TOP ELEVATION	16.5	16.0	12.2
E9-BOTTOM OF VALVE VALVE	7.7	11.0	4.0
E10-FORCE MAIN DISCHARGE INVERT	8.2	12.0	5.5

PUMP CONTROL SETTINGS			
SUGGESTED PUMP	LEFT STATION #1	LEFT STATION #2	LEFT STATION #3
MANUFACTURER	FLVST	FLVST	FLVST
MODEL / SIZE	W3133-463	W3133-463	W3137-249
APPELLER SIZE	18.0, BY MANUF.	18.0, BY MANUF.	18.0, BY MANUF.
MAX HORSEPOWER	20 HP	10 HP	15 HP
MAX FLOWING SPEED	3" MIN.	3" MIN.	3" MIN.
OPERATING POINT	453 GPM @ 87' TDH	304 GPM @ 87' TDH	175 GPM @ 87' TDH
OPERATING CURVE POINTS	400 GPM @ 70' TDH	150 GPM @ 52' TDH	150 GPM @ 68' TDH
	500 GPM @ 87' TDH	200 GPM @ 112' TDH	200 GPM @ 106' TDH
	600 GPM @ 132' TDH	300 GPM @ 151' TDH	350 GPM @ 132' TDH
POWER SUPPLY	480 V, 3 PHASE	480 V, 3 PHASE	240 V, 3 PHASE

LEFT STATION NOTES:

1. ALL DIMENSIONS TO FACE UNLESS NOTED OTHERWISE.
2. ALL DIMENSIONS TO FACE UNLESS NOTED OTHERWISE.
3. PUMP IN THE WET WELL SHALL BE MECHANICALLY SUPPORTED.
4. ALL FASTENERS IN THE WET WELL SHALL BE 316 STAINLESS STEEL. ALL WELDS IN THE WET WELL SHALL BE TYPED AND ON STAINLESS STEEL AS STATED IN THE SPECIFICATIONS.
5. ALL ELECTRICAL CONDUIT PENETRATING CONCRETE WALLS SHALL BE SMOKE PENETRATION AND BE PROTECTED WITH AN APPROVED TYPE OF PENETRATION DEVICE.
6. RETAINED SPOOL PIPES SHALL BE MECHANICALLY JOINT SPOOL PIPES WITH RESTRAINTS AND GASKETS.
7. ALUMINUM ACCESS DOORS, SEED FOR THE REMOVAL OF PUMPS AND EQUIPMENT, PROVIDING A MINIMUM OF CLEARANCE OF 6 FEET SHALL BE PROVIDED. DOORS MUST BE PROTECTED AGAINST VIBRATION AND BE SECURED TO PREVENT UNAUTHORIZED ACCESS.
8. LEFT STATION SHOP DRAWINGS AND EQUIPMENT SUBMITTALS ARE REQUIRED FROM THE OPERATOR OF THE STATION FOR CONFORMANCE WITH THE SPECIFICATIONS AND SHALL BE SUBMITTED TO THE PROJECT ENGINEER FOR REVIEW AND APPROVAL.
9. PUMPS SHALL BE CHART AND SUGGESTED PUMPS ONLY. PUMPS OF EQUAL PERFORMANCE MAY BE SUBSTITUTED WITH ENGINEER'S APPROVAL.
10. ALL ALUMINUM ACCESS HATCHES TO BE MANUFACTURED BY E.I. ALUMINUM OR EQUAL.
11. CONTROL PANEL SHALL INCLUDE A VISUAL AND AUDIBLE ALARM IN THE EVENT OF POWER FAILURE. VISUAL ALARM SHALL BE MOUNTED SO THAT IT CAN BE SEEN FROM ANY CORNER OF THE STATION.
12. ALL REMOVED PERSONS SHALL BE PRESERVED. TREATED WITH LOCALIZED GATES. GATES FRAMES SHALL BE OILHEATED STEEL. FRAMES SHALL BE OILHEATED STEEL. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST AISC CODES.

EVANS-GRAVES ENGINEERS, INC.
 ENGINEERING CONSULTANTS
 1100 WEST 12TH STREET, SUITE 100
 DENVER, COLORADO 80202
 PHONE: (303) 733-1100
 FAX: (303) 733-1100

Ascension Parish Sewer Program Improvements
 (HILLARYVILLE, DARROW, AND ASTROLAND)
 PROJECT CODE SEWR 11002, CDBG CODE 03PARA2301

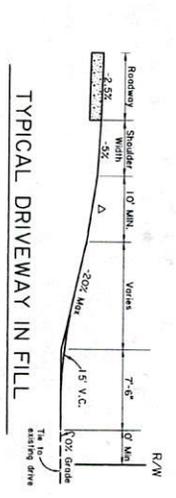
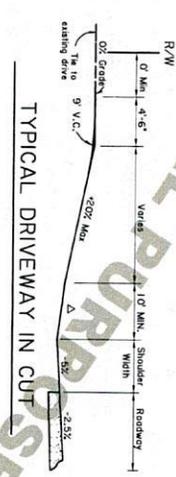
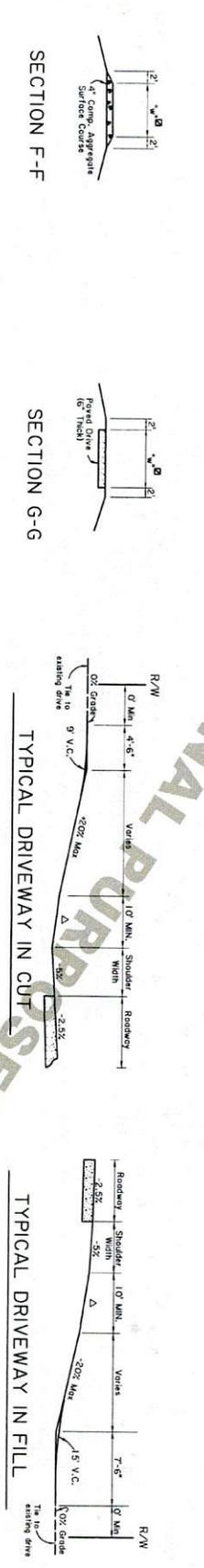
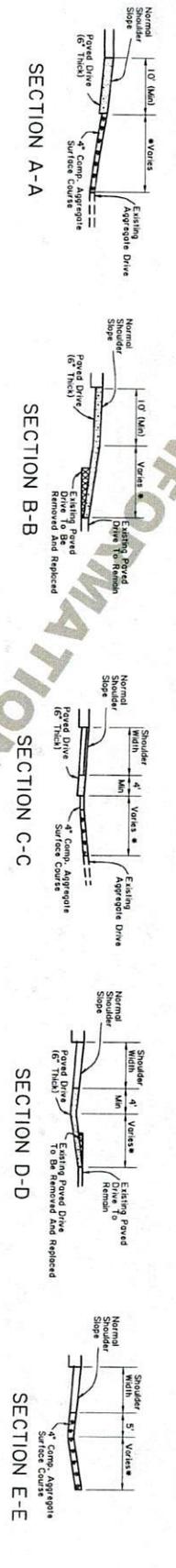
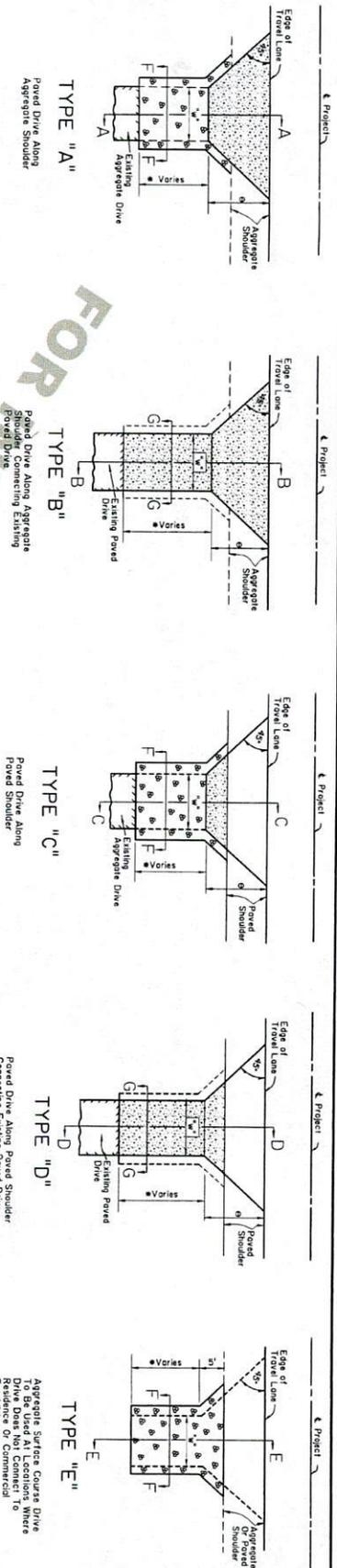
PUMP STATION DETAILS
 SHEET NO. DT-1
 DATE: _____
 REVISION DESCRIPTION: _____



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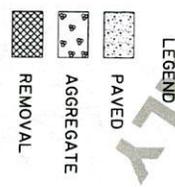


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- NOTES:
1. PORTLAND CEMENT CONCRETE DRIVES WILL BE CONSTRUCTED TO REPLACE OR CONNECT TO AGGREGATE SURFACE COURSES. ALL OTHER DRIVES ARE TO BE ASPHALT CONCRETE, EXCEPT WHERE NOTED OTHERWISE. ALL DRIVES SHALL BE CONSTRUCTED TO MEET THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
2. SEE PLANS, SPECIFICATIONS AND NOTES FOR REMOVAL OF EXISTING DRIVEWAYS AND CONSTRUCTION AND/OR REPAIR OF DRIVEWAYS.
3. PAVEMENT SHALL EXTEND 10' MIN FROM EDGE OF PAVED ROADWAY SURFACE (TRAVEL LANE) TO EDGE OF DRIVEWAY FLARE. PAVEMENT SHALL BE CONSTRUCTED TO MEET THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. PAVED DRIVEWAY FLARE SHALL EXTEND 4' MINIMUM FROM EDGE OF PAVED SHOULDER. RADIUS OF DRIVEWAY FLARE SHALL BE 10' MINIMUM.
4. WHEN PAVED DRIVES ARE PLACED IN TWO LIFTS, BINDER COURSE MAY BE USED IN THE FIRST LIFT.
5. COMPACTION OF SUBGRADE AND GRADING WORK FOR CONSTRUCTION OF THE PAVED DRIVES SHALL BE SATISFACTORY TO THE ENGINEER AND PAVEMENT SHALL BE INCLUDED IN THE DRIVEWAY ITEMS.
6. MAXIMUM DRIVEWAY GRADE SHALL BE 20% (25% FOR SPECIAL CASES). MAXIMUM SLOPE FOR PAVED DRIVES SHALL BE 10% FOR CRESTS AND 5% FOR SAGS, AT NOT LESS THAN 10' INTERVALS.

- NOTES FOR OVERLAY PROJECTS:
1. WHEN PAVED DRIVES ARE PLACED IN TWO LIFTS, BINDER COURSE MAY BE USED IN THE FIRST LIFT.
2. DRIVE WIDTHS AND FLARE DIMENSIONS TO BE ADJUSTED TO MATCH EXISTING CONDITIONS AS DIRECTED BY THE PROJECT ENGINEER.
3. LENGTH OF OVERLAY TRANSITION TO BE SET BY PROJECT ENGINEER TO ACHIEVE A SMOOTH CONNECTION FOR EXISTING DRIVE.



<p>ROAD DESIGN</p>	<p>DRIVEWAYS ON NON-CURBED ROADWAYS</p> <p>STANDARD PLAN DW-02</p>		NO. _____	DATE _____	REVISION DESCRIPTION _____	BY _____	DATE 11-17-17
			<p>APPROVED BY: <i>Travis Williams</i></p>	<p>CHECK ENGINEER</p>	<p>DESIGNED: P. TONEY</p> <p>CHECKED: D. SMITH</p> <p>PARISH _____</p>	<p>CONTROL: P. TONEY</p> <p>CHECKED: D. SMITH</p> <p>STATE _____</p>	<p>SERIES 1 of 1</p>