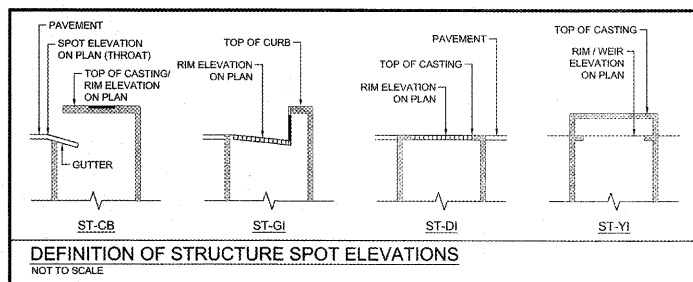
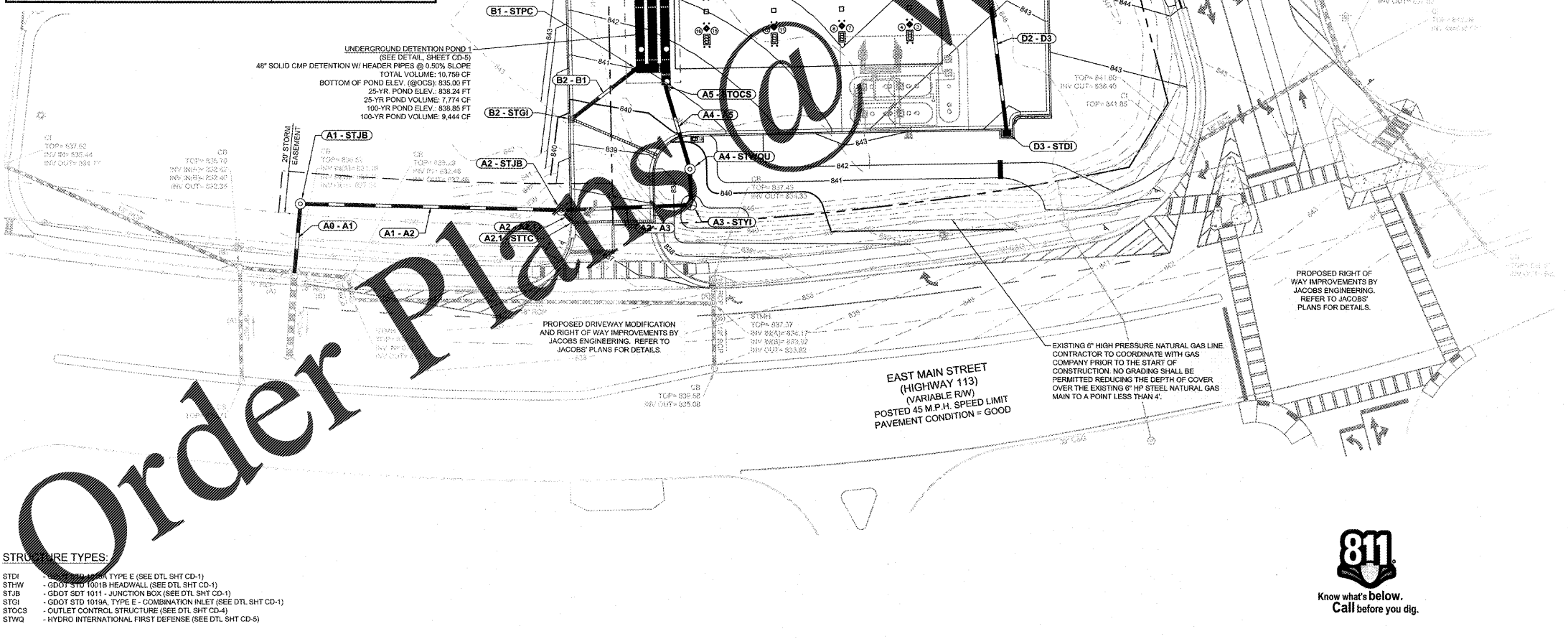


24 HOUR CONTACT:
MR. MARK MCGRATH - 678-773-7083
RACETRAC PETROLEUM, INC.
CONTACT RACETRAC PETROLEUM, INC.
PROJECT MANAGER PRIOR TO ANY
REVISIONS TO THE PLAN SUPPLIED BY
RACETRAC PETROLEUM, INC.

STORM STRUCTURES					
NAME:	TYPE:	STATION:	RIM:	INV IN: (PIPE)	INV OUT: (PIPE)
A0 - STDWCB	DOUBLE WING (EXISTING)	0+00.00	838.52	828.00 (A0 - A1)	828.33 (A0 - A1)
A1 - STJB	JUNCTION BOX	0+32.72	838.10	828.33 (A1 - A2)	828.33 (A0 - A1)
A2 - STJB	JUNCTION BOX	1+56.96	837.92	831.38 (A2 - A3) 834.46 (A2 - A2.1)	829.57 (A1 - A2)
A2.1 - STTC	TRENCH CONNECTION	0+07.84	837.25		834.72 (A2 - A2.1)
A3 - STYI	YARD INLET	2+19.19	839.00	833.24 (A3 - A4)	833.24 (A2 - A3)
A4 - STWQU	WATER QUALITY UNIT	2+36.26	839.25	833.75 (A4 - A5)	833.76 (A3 - A4)
A5 - STOCS	OCS	2+77.76	840.92		835.00 (A4 - A5)
B1 - STPC	POND CONNECTION	0+00.00	841.01	835.96 (B2 - B1)	
B2 - STGI	GRATE INLET	0+39.38	839.56		836.35 (B2 - B1)
C1 - STPC	POND CONNECTION	0+00.00	843.25	836.99 (C2 - C1)	
C2 - STDI	DROP INLET	0+34.75	842.76		837.33 (C2 - C1)
D1 - STPC	POND CONNECTION	0+00.00	844.45	837.05 (D1 - D2)	
D2 - STJB	JUNCTION BOX	0+41.57	843.58	837.47 (D2 - D2.1) 837.47 (D2 - D3)	837.47 (D1 - D2)
D2.1 - STDI	DROP INLET	0+27.11	843.05		836.74 (D2 - D2.1)
D3 - STDI	DROP INLET	1+26.54	841.81		838.32 (D2 - D3)
E1 - STPC	POND CONNECTION	0+00.00	844.84	837.40 (E1 - E2)	
E2 - STGI	GRATE INLET	0+38.48	844.55		837.79 (E1 - E2)
F1 - STPC	POND CONNECTION	0+00.00	845.69	837.50 (F1 - F2)	
F2 - STDI	DROP INLET	0+68.35	844.75		838.21 (F1 - F2)
O1 - STSWCB (EXISTING)	SINGLE WING	0+00.00	849.34	835.50 (O1 - O2)	
O2 - STSWCB	SINGLE WING	0+45.07	849.10	836.37 (O2 - O3) 843.89 (O2 - O2.1)	836.37 (O1 - O2)
O2.1 - STTC	TRENCH CONNECTION	0+47.47	848.36		844.37 (O2 - O2.1)
O3 - STWQ	WATER QUALITY UNIT	0+74.64	847.24	836.87 (O3 - O4)	836.87 (O2 - O3)

Upstream Structure ID	Total Flow (cfs)	Capac Full (cfs)	Veloc (ft/s)	Pipe Size (in)	Pipe Slope (%)	Design Storm
O1 - O2	2.27	14.75	2.77	18	1.98	2-YR
O2 - O2.1	0.54	6.94	2.96	15	0.98	2-YR
O2 - O3	1.68	10.62	3.05	18	1	2-YR
O3 - O4	1.68	11.97	3.38	18	1.11	2-YR
D1 - D2	2.81	11.43	3.31	18	1	2-YR
D2 - D2.1	1.14	11.35	3.57	18	1	2-YR
D2 - D3	1.74	11.38	2.92	18	1	2-YR
F1 - F2	2.72	11.59	3.28	18	1	2-YR
E1 - E2	1.3	11.45	2.63	18	1	2-YR
C2 - C1	2.23	11.25	3.07	18	1	2-YR
B2 - B1	1.63	11.32	2.81	18	1	2-YR
A0 - A1	0.79	10.55	1.82	18	1	2-YR
A1 - A2	0.8	11.57	2.76	18	1	2-YR
A2.2 - A2.1	0.22	12.74	2.96	15	3.3	2-YR
A2 - A3	0.59	19.67	3.75	18	3	2-YR
A3 - A4	0.47	19.86	2.2	18	3	2-YR
A4 - A5	0.47	19.74	2.32	18	3	2-YR



VICINITY MAP (N.T.S.)

LEGEND

- INDICATES EXISTING ELEVATIONS
- PROPOSED FINISHED GRADES
- SPOT ELEVATIONS AT FINISHED GRADE
- INDICATES TOP OF STRUCTURE
- INDICATES FLOW LINE ELEVATION
- WATER LINE TO EXISTING SERVICE OR WELL
- WATER LINE FOR IRRIGATION
- 4" SANITARY SEWER LINE TO EXISTING SANITARY SEWER MANHOLE OR SEPTIC TANK
- BURIED ELECTRICAL SERVICE FROM NEAREST EXISTING UTILITY POLE
- TELEPHONE SERVICE FROM NEAREST TELEPHONE POLE RUN UNDERGROUND IN CONDUIT
- CONCRETE CURB (SEE SHEET SD-1)
- DISPENSER NUMBER
- DISPENSER PRODUCT I.D.
- PROPOSED PUBLIC TELEPHONE (SEE SHEET SD-1)
- WEATHERPROOF ELECTRICAL OUTLET
- EMERGENCY SHUT OFF SWITCH
- AREA LIGHT LOCATION (SEE SHEET SD-4 FOR DETAILS)
- STREET LIGHT LOCATION (SEE SHEET SD-4 FOR DETAILS)
- SPIDER LIGHTS (WHERE APPLICABLE)
- REVISION INDICATOR
- HIGH POINT
- INDICATES PROPOSED 8" CONCRETE AREA
- PROPOSED AIR/WATER STAND (SEE SHEET SD-1)
- B.P. BUMPER POST (SEE SHEET SD-1)
- T.O.I. ELEVATION AT TOP OF ISLAND
- EXISTING ELEMENTS
- PROPOSED ELEMENTS
- P.P. POWER POLE
- M.H. MANHOLE
- S.S. SANITARY SEWER
- S.P.M.H. SUBMERSIBLE PUMP MANHOLE
- D.I. DROP INLET
- TFP TREE PROTECTION FENCE
- LOD LIMITS OF DISTURBANCE
- T.W. TOP OF WALL
- B.W. BOTTOM OF WALL
- H.P. HIGH POINT
- P.B. PIPE BEND

- GENERAL GRADING NOTES:
- 1) ALL CRITICAL SPOT GRADES ALONG CURB ARE BOTTOM OF CURB ELEVATIONS UNLESS OTHERWISE SPECIFIED.
 - 2) NO SLOPES ARE TO BE STEEPER THAN 2:1.
 - 3) ALL LAND DISTURBANCE TO BE STABILIZED WITH VEGETATION UPON COMPLETION OF DEMOLITION.
 - 4) ALL TREES TO HAVE PROPER PROTECTION UNLESS APPROVED PLANS INDICATE OTHERWISE.
 - 5) BOUNDARY & TOPOGRAPHIC SURVEY BY LECRAW ENGINEERING, INC. DATED: OCTOBER 23, 2017 ELEVATION DATUM IS NAVD 88.
 - 6) FLOOD PLAIN IS NOT PRESENT ON THIS SITE AS SHOWN ON THE FEMA FIRM MAP NUMBER 13121C0386F, DATED SEPTEMBER 16, 2013.
 - 7) EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE ACCOMPLISHED PRIOR TO ANY OTHER CONSTRUCTION ON THE SITE AND MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
 - 8) OWNER IS RESPONSIBLE FOR MAINTENANCE OF ALL STORM SEWER ON PRIVATE PROPERTY.
 - 9) THE OWNER IS RESPONSIBLE FOR OBTAINING ANY NECESSARY AGREEMENTS FROM ADJACENT PROPERTY OWNERS IN ORDER TO PERFORM THE REQUIRED OFFSITE WORK, INCLUDING, STORM DRAINAGE, CURB AND GUTTER AND PAVEMENT TIE-INS AND GRADING.
 - 10) VERTICAL DEPTH OF ALL DRY AND PRESSURIZED UTILITIES IS UNKNOWN. CONTRACTOR TO NOTIFY OWNER AND ENGINEER IMMEDIATELY IF ANY CONFLICTS ARE FOUND.
 - 11) CONTRACTOR TO ENSURE THAT ALL ADA ROUTES, SIDEWALKS, PATHS, ETC. HAVE A LONGITUDINAL SLOPE OF LESS THAN 2% AND A CROSS SLOPE OF LESS THAN 2%. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY, AND PRIOR TO POURING OF CONCRETE, IF ANY ADA ROUTES EXCEED THE CRITERIA LISTED ABOVE.

STORM PIPES						
NAME:	SIZE:	LENGTH:	SLOPE:	INV UP:	INV DOWN:	MATERIAL:
A0 - A1	18"	32.72	1.00%	828.33 (A1 - STJB)	828.00 (A0 - STDWCB)	RCP
A1 - A2	18"	124.24	1.00%	829.57 (A2 - STJB)	828.33 (A1 - STJB)	HDPE
A2 - A2.1	15"	7.84	3.30%	834.72 (A2.1 - STTC)	834.46 (A2 - STJB)	HDPE
A2 - A3	18"	62.24	3.00%	833.24 (A3 - STYI)	831.38 (A2 - STJB)	HOPE
A3 - A4	18"	17.06	3.00%	833.76 (A4 - STWQU)	833.24 (A3 - STYI)	HDPE
A4 - A5	18"	41.50	3.00%	835.00 (A5 - STOCS)	833.75 (A4 - STWQU)	HOPE
B2 - B1	18"	39.38	1.00%	836.35 (B2 - STGI)	836.96 (B1 - STPC)	HDPE
C2 - C1	18"	34.75	1.00%	837.33 (C2 - STDI)	836.99 (C1 - STPC)	HDPE
D1 - D2	18"	41.57	1.00%	837.47 (D2 - STJB)	837.05 (D1 - STPC)	HDPE
D2 - D2.1	18"	27.11	1.00%	838.74 (D2.1 - STDI)	838.47 (D2 - STJB)	HDPE
D2 - D3	18"	84.97	1.00%	838.32 (D3 - STDI)	837.47 (D2 - STJB)	HDPE
E1 - E2	18"	38.48	1.00%	837.79 (E2 - STGI)	837.40 (E1 - STPC)	HDPE
F1 - F2	18"	68.35	1.03%	838.21 (F2 - STDI)	837.50 (F1 - STPC)	HDPE
O1 - O2	18"	45.07	1.93%	836.37 (O2 - STSWCB)	835.50 (O1 - STSWCB (EXISTING))	RCP
O2 - O2.1	15"	47.47	1.00%	844.37 (O2.1 - STTC)	843.89 (O2 - STSWCB)	HDPE
O2 - O3	18"	29.58	1.00%	836.87 (O3 - STWQ)	836.87 (O2 - STSWCB)	RCP

- STRUCTURE TYPES:
- STDI - 100% HYDROTYPE E (SEE DTL SHT CD-1)
 - STHW - GDOT STD 10018 HEADWALL (SEE DTL SHT CD-1)
 - STJB - GDOT STD 1011 - JUNCTION BOX (SEE DTL SHT CD-1)
 - STOI - GDOT STD 1019A, TYPE E - COMBINATION INLET (SEE DTL SHT CD-1)
 - STOCS - OUTLET CONTROL STRUCTURE (SEE DTL SHT CD-4)
 - STWQ - HYDRO INTERNATIONAL FIRST DEFENSE (SEE DTL SHT CD-5)



DATE	10/26/18	DATE	10/26/18
TAA	TAA	TAA	TAA
10/16/18	9/24/18	9/18/18	9/05/18
9/24/18	9/18/18	9/05/18	8/08/18
DATE	DATE	DATE	DATE

7 RACETRAC & CITY COMMENTS

6 STRIPING UPDATE & CITY COMMENTS

5 CARTERSVILLE ELECTRIC COMMENTS

4 CITY COMMENTS

3 CITY COMMENTS

2 CITY COMMENTS

NO. REVISIONS

BY

DATE

PREPARED IN THE OFFICE OF:

LECRAW ENGINEERING

200 GALLERIA PKWY, SUITE 900
ATLANTA, GEORGIA 30339
WWW.LECRAWENGINEERING.COM

PROFESSIONAL ENGINEER
NO. 3987
10/26/18

MARK S. LECRAW

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RaceTrac

RACETRAC PETROLEUM, INC.
200 GALLERIA PKWY, SUITE 900
ATLANTA, GA 30339
(770) 431-7600

DRAINAGE PLAN

RACETRAC MARKET
1328 E. MAIN STREET
CARTERSVILLE, BARTOW COUNTY, GEORGIA

SCALE: 1" = 30'

DATE: 03/28/2018

JOB NO.: 005031

MAT

DRAWN

C-2.2

SHEET NO. REV.

Drawing name: L:\005031 - RaceTrac - Cartersville (E Main Street)_GACCADD\CONSTR\005031 - 06 - GRADING.dwg DRAINAGE PLAN Oct 25, 2018 2:31pm by: tradanderson

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