

LEGEND - NEW IMPROVEMENTS

- SUBSURFACE DRAINAGE
- MANHOLE
- AREA INLET
- CURB INLET
- CONTOUR
- SPOT ELEVATION
- SPOT ELEVATION (MATCH EXISTING)
- STRUCTURE NUMBER

LEGEND - EXISTING

- PROPERTY CORNER
- DOTD ROW MONUMENT
- CALCULATED PROPERTY CORNER
- POWER JUNCTION BOX
- POWER VAULT
- POWER DROP
- ELECTRICAL UTILITY MARKER
- TELEPHONE PEDESTAL
- POWER POLE
- WATER VALVE
- WATER CLEANOUT
- BILLBOARD SIGN POST
- GAS VALVE
- GAS METER
- GAS UTILITY MARKER
- SEWER MANHOLE
- SEWER CLEANOUT
- SIGN POST
- LIGHT POLE
- ELEVATION POINT
- TREE
- BARRIODE POST
- TRAFFIC SIGNAL CONTROL BOX
- TELEPHONE CROSS CONNECT BOX
- CURB INLET
- DRAIN INLET
- HWY. R/W MONUMENT W/SIGN
- MEASURED
- REFERENCE
- RIGHT OF WAY
- DRAINAGE PIPE
- OVERHEAD POWERLINE
- UNDERGROUND POWERLINE
- UNDERGROUND GAS LINE
- UNDERGROUND WATER LINE
- PROPERTY LINE
- ADJACENT PROPERTY LINE
- GROUND CONTOUR LINE
- WOODEN FENCE
- SERVITUDE / SETBACK LINE
- FLOODZONE LINE

GRADING NOTES:

1. TOPOGRAPHIC INFORMATION WAS TAKEN FROM THE TOPOGRAPHIC SURVEY INCLUDED AS PART OF THESE CONSTRUCTION DOCUMENTS. IF THE CONTRACTOR DOES NOT ACCEPT EXISTING TOPOGRAPHY AS SHOWN ON THE PLANS, WITHOUT EXCEPTION, THE CONTRACTOR SHALL HAVE MADE, AT HIS EXPENSE, A TOPOGRAPHIC SURVEY BY A REGISTERED LAND SURVEYOR & SUBMIT IT TO THE OWNER FOR REVIEW AND APPROVAL.
2. EXISTING AND/OR PROPOSED GRADE CONTOURS ARE SHOWN AT ONE FOOT (1') INTERVALS.
3. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES & WHERE POSSIBLE MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE REQUIRED IMPROVEMENTS SHOWN ON THE PLANS.
4. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL UTILITIES & NOTIFYING THE APPROPRIATE UTILITY COMPANY PRIOR TO BEGINNING CONSTRUCTION.
5. THE CONTRACTOR SHALL VERIFY HORIZONTAL & VERTICAL LOCATION OF ALL EXISTING STORM SEWER STRUCTURES, PIPES, & ALL UTILITIES PRIOR TO CONSTRUCTION. PRIOR TO ORDERING STORM DRAIN STRUCTURES, THE CONTRACTOR SHALL VERIFY THE INVERT OF THE EXISTING STORM DRAIN SYSTEM AT THE TIE IN POINT(S) AND NOTIFY THE CIVIL ENGINEER OF ANY DEVIATION TO WHAT IS SHOWN ON THE PLANS.
6. CLEARING & GRUBBING LIMITS SHALL INCLUDE ALL AREAS DISTURBED BY GRADING OPERATIONS. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UNDISTURBED AREAS, ALL PROPERTY CORNERS & REPLACING ALL PROPERTY CORNER MARKERS ELIMINATED OR DAMAGED DURING CONSTRUCTION.
7. THE EARTHWORK FOR ALL PAVEMENT AREAS OUTSIDE OF THE BUILDING FOUNDATIONS & SLABS SHALL BE IN ACCORDANCE WITH THE SITE PREPARATION NOTES & GEOTECHNICAL REPORT.
8. THE EARTHWORK FOR THE BUILDING FOUNDATION AND UP TO 5' BEYOND SHALL BE IN ACCORDANCE WITH SITE PREPARATION NOTES & GEOTECHNICAL REPORT.
9. CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH THE LATEST STANDARD OF OSHA DIRECTIVES OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION & TRENCHING PROCEDURES. THE CONTRACTOR SHALL USE SUPPORT SYSTEMS, SLOPING, BENCHING, & OTHER MEANS OF PROTECTION. THIS TO INCLUDE BUT NOT LIMITED TO, ACCESS & EGRESS FROM ALL EXCAVATION & TRENCHING. CONTRACTOR IS RESPONSIBLE TO COMPLY WITH PERFORMANCE CRITERIA FOR OSHA.
10. SEE SHEET C-1.
11. THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING VERTICAL CONTROL INCLUDING THE SETTING OF CONSTRUCTION BENCHMARKS.
12. DUE TO CONTINUAL CHANGES TO FLOOD MAPS THE CONTRACTOR SHALL CONTACT THE PERMIT AUTHORITY PRIOR TO THE START OF CONSTRUCTION AND CONFIRM THE NEED (OR LACK OF) FOR AN ELEVATION CERTIFICATE AND SHALL NOTIFY THE OWNER AND CIVIL ENGINEER IF THE MINIMUM REQUIRED FINISH FLOOR ELEVATION IS HIGHER THAN WHAT IS SHOWN ON THE PLANS.
13. ADEQUATE DRAINAGE MEASURES MUST BE ESTABLISHED, MAINTAINED, AND TEMPORARILY ADJUSTED AS NEEDED THROUGHOUT CONSTRUCTION TO PROVIDE POSITIVE DRAINAGE AT ALL TIMES AND PREVENT ACCUMULATION OF SURFACE WATER. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING SUBGRADE CONDITIONS AND PROTECTING THE CONDITION OF PREVIOUSLY PERFORMED EARTHWORK.
14. DEWATERING, GROUNDWATER LEVELS CAN FLUCTUATE DEPENDING ON TIME OF YEAR. THE CONTRACTOR SHALL INCLUDE PROVISIONS IN THEIR BASE BID FOR WATER CONTROL DURING CONSTRUCTION INCLUDING (BUT NOT LIMITED TO) DEEP EXCAVATIONS, DEMOLITION, PROOF ROLLING ACTIVITIES, FOUNDATION/FOOTING WORK, PLACEMENT OF FILL, AND INSTALLATION OF SUB-SURFACE IMPROVEMENTS.
15. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A UTILITY PERMIT FROM LADOTD PRIOR TO COMMENCING ANY WORK WITHIN THE STATE RIGHT OF WAY.

STORM DRAINAGE NOTES:

1. ALL PIPES ENTERING STORM SEWER STRUCTURES SHALL BE SEALED TO ASSURE CONNECTION AT STRUCTURE IS WATER TIGHT.
2. ALL PIPES & STRUCTURES ON STREET RIGHT-OF-WAY SHALL BE PER LOUISIANA DEPARTMENT OF TRANSPORTATION STANDARDS & SPECIFICATIONS.
3. REFERENCE DETAIL SHEETS FOR CONSTRUCTION DETAILS.

PIPE NOTES:

- IN THE DRAINAGE CHART, THE "PIPE TYPE" COLUMN DEFINES THE SIZE & MATERIAL TYPE OF THE PIPE. WHERE A SPECIFIC PIPE TYPE IS CALLED FOR, THAT SPECIFIC PIPE TYPE MUST BE UTILIZED. WHERE AN ASTERISK (*) IS SPECIFIED, THE CONTRACTOR MAY UTILIZE ANY ONE OF THE PIPE TYPES LISTED BELOW. THE #S LISTED REFER TO THE FOLLOWING PIPE TYPES:
1. REINFORCED CONCRETE PIPE (RCP/RCPA)
 2. HIGH DENSITY POLYETHYLENE PIPE (HDPE OR CPP)
 3. POLYVINYL CHLORIDE PIPE (PVC)
 4. CORRUGATED METAL PIPE (CMP) OF NEXT HIGHER SIZE (+8")

NOTES:

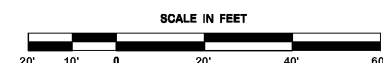
1. PRIOR TO UTILIZING THIS PIPE OPTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THAT THE CMP PIPE HAS ADEQUATE COVER PER THE MANUFACTURER'S RECOMMENDATIONS.
2. THE CONTRACTOR SHALL SUBMIT BUOYANCY CALCULATIONS ON ALL RUNS OF PIPE THAT DO NOT UTILIZE CONCRETE PIPE. BUOYANCY CALCULATIONS SHALL BE PREPARED, SIGNED, & SEALED BY A REGISTERED ENGINEER, SHALL REPRESENT ACTUAL FIELD CONDITIONS, & SHALL DEMONSTRATE THAT THE PIPE UTILIZED WILL NOT BECOME BUOYANT UNDER ANY CONDITIONS. THE CONTRACTOR MAY ELECT TO PROVIDE A RESTRAINING SYSTEM, DESIGNED BY A REGISTERED ENGINEER, ADEQUATE TO RESIST BUOYANT FORCES WHERE NECESSARY.

STRUCTURE TYPES:

- DRAINAGE STRUCTURES SHALL BE PRECAST OR CAST-IN-PLACE CONCRETE IN ACCORDANCE WITH DOTD REQUIREMENTS AS FOLLOWS:
- AREA INLETS CB-01 (PIPE SIZE 36" & SMALLER)
 - CB-02 (PIPES LARGER THAN 36")
 - MANHOLES RCB-11 MOD.
 - MANHOLES FLAMES SEE DETAIL SHEET
- ALL INLET FRAMES & GRATES SHALL BE VULCAN FOUNDRY CORP. CATALOG #V-4863 OR EQUAL.

STRUCTURE TABLE						
STRUCTURE NUMBER	TYPE	OUTLET/CASTING/ELEV	INVERT IN	ELEVATION OUT	PIPE LENGTH	PIPE TYPE PIPE SLOPE
1	CURB INLET	39.50		36.50 (2)	96	18" * 0.80%
2	CURB INLET	39.90	35.74 (1)	35.74 (5)	60	18" * 0.80%
3	MANHOLE	40.40	35.26 (2)	35.26 (5)	44	18" * 0.80%
4	AREA INLET	38.30		34.03 (5)	58	15" * 0.25%
5	AREA INLET	39.30	34.90 (3)	33.88 (6)	9	18" * 0.50%
6	EXISTING CURB INLET	39.00	33.84 (5)	MATCH EXISTING		

GRADING PLAN



Not For Construction



REVISION	BY

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DUPLANTS DESIGN GROUP

SIGNATURE: *[Signature]*
DATE: 09-27-2020

STAMP: CIVIL ENGINEER IN STATE OF LOUISIANA
Ben A. Babcock
License No. 40756
PROFESSIONAL ENGINEER

PROPOSED EXPRESS OIL CHANGE
BATON ROUGE, LOUISIANA
EAST BATON ROUGE PARISH
FOR EXPRESS OIL CHANGE
BIRMINGHAM, ALABAMA

DRAWN G.P.
CHECKED BAB
ISSUED DATE 09-27-2020
ISSUED FOR PERMIT
PROJECT NO. 20-197
FILE 20-197 C-2 GRADING
SHEET
C-2

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