

LOT D-2A
CARROLLWOOD VILLAGE
JEFFERSON PARISH, LA.



RAINFALL RUNOFF CALCULATIONS			
PRE-PROJECT		POST PROJECT	
GRASS	ACRES	C	ACRES
CONCRETE	0.28	0.35	0.30
	0.80	0.72	
Tc=15 min		Tc=15 min	
C=0.72		C=0.81	
I=6.2 (10 YEAR)		I=6.2 (10 YEAR)	
A=0.80 ACRE		A=0.80 ACRE	
Q=0.72(6.2)0.80		Q=0.81(6.2)0.80	
Q=3.6 CFS		Q=4.0 CFS	
LIMIT SUBSURFACE FLOW TO BEHRMAN HWY TO: 3.4 CFS WITH 12" PVC S=0.43%			

D-2B

DRAIN NOTES

1. THE LOCATION AND ELEVATION OF THE EXISTING SUBSURFACE UTILITIES ARE APPROXIMATE. CONTRACTOR TO VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO START OF CONSTRUCTION AND TAKE THE NECESSARY PRECAUTIONS TO PROTECT THEM.
2. ALL PLASTIC DRAIN LINE SHALL BE IN ACCORDANCE WITH DOTD STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES, LATEST EDITION. PLASTIC DRAIN PIPE SHALL CONFORM TO ASTM D 3034 (SDR 26 - SMOOTH WALL PIPE) OR ASTM F 794, SERIES 46 (RIBBED CULVERT PIPE) AND SHALL BE LISTED ON DOTD'S OPL 66 AND SHALL HAVE TYPE 3 JOINTS. BEDDING SHALL BE AS SHOWN IN DETAIL.
3. BACKFILL MATERIAL SHALL BE COMPACTED UNDER THE HAUNCHES AND THEN COMPACTED IN LAYERS NOT EXCEEDING 12" COMPACTED THICKNESS. EACH LAYER SHALL BE COMPACTED BY APPROVED METHODS TO AT LEAST 95 PERCENT STANDARD PROCTOR DENSITY PRIOR TO PLACEMENT OF A SUBSEQUENT LAYER.
4. BEDDING FOR PVC PIPE SHALL BE 12" PUMPED RIVER SAND.
5. ALL DRAINAGE STRUCTURES WITHIN PAVEMENT SHALL BE BOXED OUT.
6. ALL DRAIN CASTINGS TO BE VFG 24X24, UNLESS SHOWN OTHERWISE.

GENERAL NOTES (ADA)

1. THERE SHALL BE NO CHANGE IN ELEVATION BETWEEN ANY ADA RAMP EDGE AND PARKING SURFACE.
2. ALL RAMP SLOPES SHALL BE COORDINATED W/ARCHITECTURAL PLANS. VERIFY RAMP RISE DOES NOT EXCEED 6". IF RAMP RISE EXCEEDS 6", CONTACT ARCHITECT FOR CLARIFICATION. PROVIDE HANDRAILS ON BOTH SIDES OF RAMP AS REQUIRED BY ADA.
3. ALL EXTERIOR DOORS SHALL HAVE A 5'X5'(MIN) LEVEL LANDING W/MAX SLOPE OF 2% IN ANY DIRECTION.
4. MAXIMUM 1/4" STEP AT DOOR THRESHOLD. LANDING TO BE 1/4" (MAX) BELOW INTERIOR FINISH FLOOR.
5. CROSS SLOPES AND RUNNING SLOPES AT ADA PARKING SPACES AND ACCESS AISLE SHALL NOT EXCEED 2% IN ANY DIRECTION.
6. ON ACCESSIBLE ROUTES LEADING FROM ADA PARKING STALLS TO ADA RAMPS, CROSS SLOPES SHALL NOT EXCEED 2% AND RUNNING SLOPE SHALL NOT EXCEED 5%.

LEGEND

- S- SEWER LINE
- W- WATER LINE
- G- GAS LINE
- O- OVERHEAD UTILITY LINES
- GAS METER
- GAS VALVE
- WATER METER
- WATER VALVE
- FIRE HYDRANT
- DRAIN CLEANOUT
- SEWER CLEANOUT
- POWER POLE
- ANCHOR
- LIGHT POLE
- DOWNSPOUT

ALL ELEVATIONS IN FEET NAVD88(2006.81)
TBM #1: 60d NAIL SET IN POWER POLE AT NORTHEAST CORNER OF BEHRMAN HIGHWAY & PARK PLACE DRIVE. ELEVATION = -1.50 N.A.V.D.88(2006.81)
TBM #2: 60d NAIL SET IN POWER POLE AT RIGHT SIDE NO. 781 BEHRMAN HIGHWAY. ELEVATION = -1.50 N.A.V.D.88(2006.81)
THIS PROPERTY IS LOCATED IN FIA FLOOD ZONE AE BASE FLOOD ELEVATION IS -5.0 NAVD88 AND FEMA FLOOD ZONE X PROPOSED BUILDING WILL BE IN AN X ZONE.
COMMUNITY NO. 225199 PANEL 0220F FEB 2, 2018.
REFERENCE B.M.: NGS MONUMENT Q-368 ELEV = 2.3 N.A.V.D.88(2006.81)

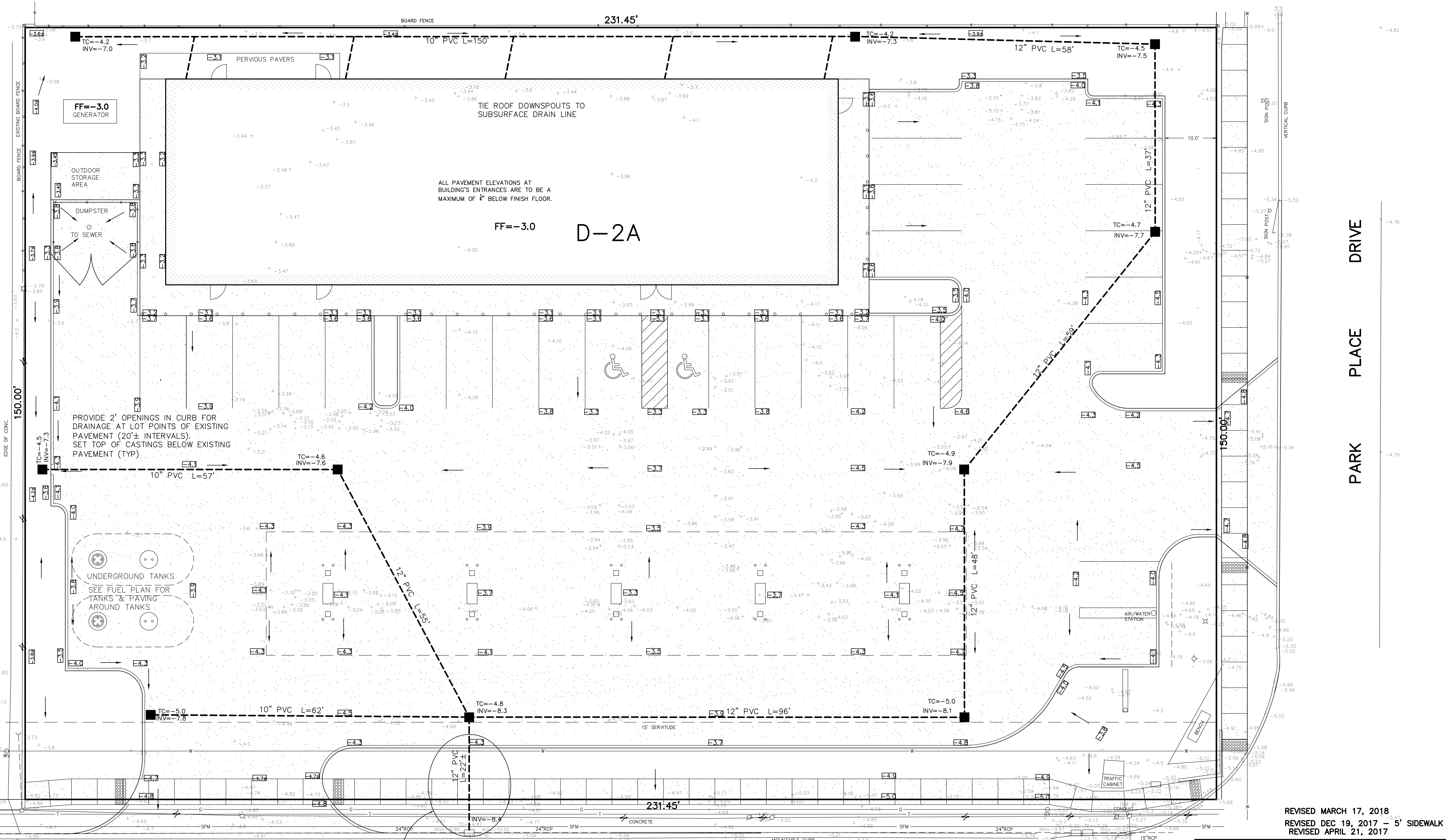
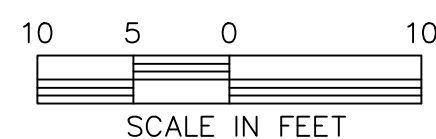
- SLOPE TO DRAIN
- 4.12 EXISTING ELEVATION
- [8.2] PROPOSED NEW ELEVATIONS
- REQUIRED NEW INLET
- REQUIRED DRAIN MANHOLE

CONTRACTOR TO DETERMINE ELEVATION OF GAS LINE, SEWER FORCE MAIN, TELEPHONE LINE AND WATER LINE. IF CONFLICT OCCURS PROVIDE ENGINEER WITH TOP & BOTTOM ELEVATIONS OF ALL UTILITIES. IF CONFLICT WITH WATER LINE OCCURS, OFFSET WATER LINE PER JEFFERSON PARISH STANDARDS.

CONTRACTOR TO VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES PRIOR TO CONSTRUCTION AND ORDERING OF PRE-FAB DRAINAGE MATERIAL. IF CONFLICT OCCURS, NOTIFY ENGINEER.

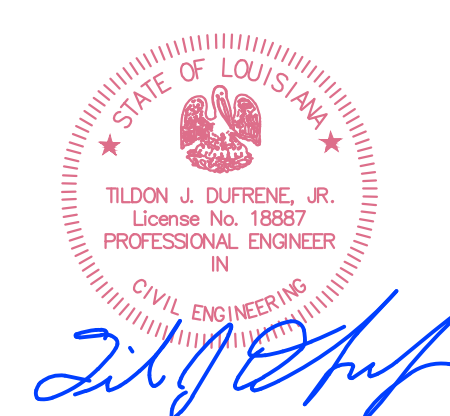
BEHRMAN

HIGHWAY



REVISED MARCH 17, 2018
REVISED DEC 19, 2017 - 5' SIDEWALK
REVISED APRIL 21, 2017

BROTHER'S FOODMART
799 BEHRMAN HIGHWAY
TERRYTOWN, LA
DRAINAGE PLAN



DUFRENE SURVEYING & ENGINEERING INC.
1624 MANHATTAN BOULEVARD, HARVEY, LA 70058
504-368-6300 PH
504-368-6394 FAX
dufrene@dufrene-surveying.com