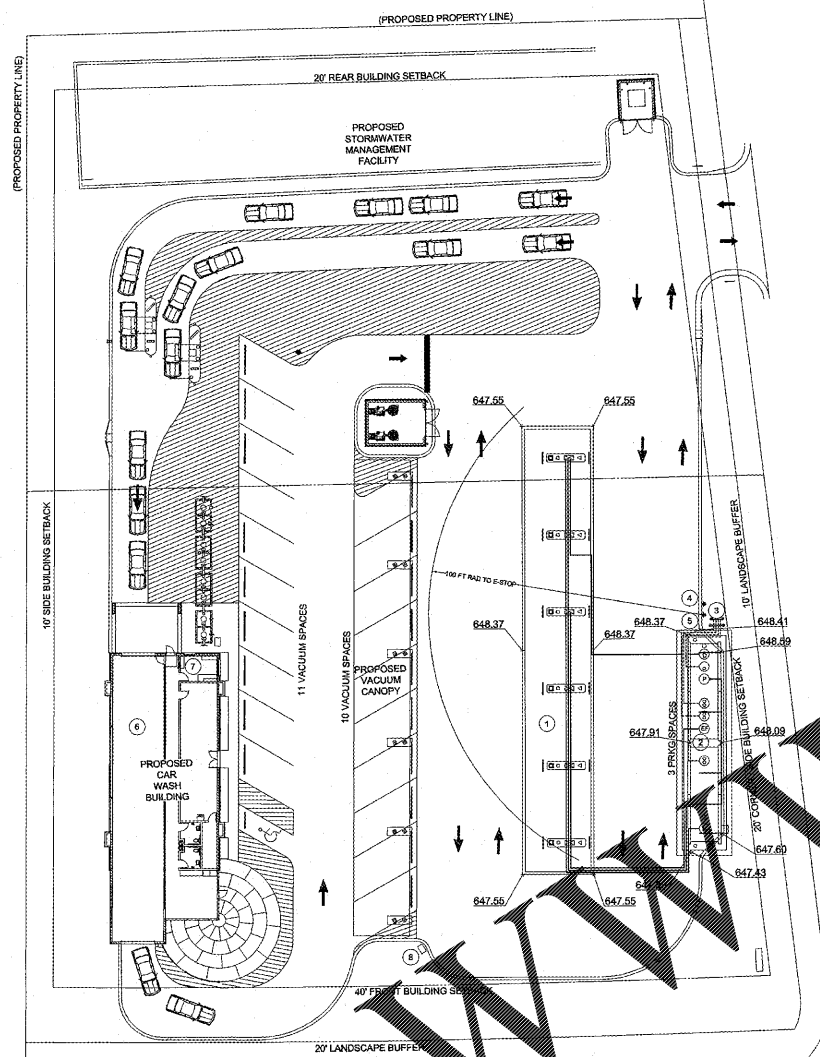


Order Plans @



1 ARCHITECTURAL SITE PLAN  
SC 1/32" = 1'-0"

- DEFINING LINE BETWEEN CAR WASH GC AND FUEL GC**
- FUEL CONTRACTOR**
- FUEL GC TO WORK WITH CAR WASH GC ON SCHEDULING.
  - FUEL GC IS RESPONSIBLE FOR ALL CONCRETE OVER THE UNDERGROUND FUEL STORAGE TANKS AND CANOPY SLAB.
  - FUEL GC RESPONSIBLE FOR CANOPY FOOTINGS.
  - FUEL GC TO INSTALL CANOPY DRAINS (WHERE APPLICABLE) TO POINT OF CONNECTION WITHIN (10) FT OF DRIVE SLAB(S).
  - FUEL GC TO INSTALL ALL FUEL RELATED ELECTRONICS (I.E. DATA LOGS, CONTROL UNIT, TURBINE RELAYS, ISOLATION RELAYS, ETC) IN THE UTILITY BUILDING.
  - FUEL GC RESPONSIBLE FOR ALL ELECTRICAL CONDUITS, TIE-OFFS, ELECTRICAL J-BOXES PER STATE, LOCAL CODES AND MANUFACTURER'S INSTALLATION INSTRUCTIONS.
  - FUEL GC TO PULL WIRE FOR CANOPY LIGHTS, DISPENSERS, TURBINES AND MONITORING SYSTEM DEVICES.
  - FUEL GC TO MAKE ALL FIELD CONNECTIONS TO FUELING EQUIPMENT AND ELECTRONICS.
  - FUEL GC TO PULL AND MAKE PERMITS FOR ALL FIELD WORK (AS REQUIRED).
  - FUEL GC TO CALL, POST AND BE PRESENT FOR ALL LOCAL REGULATOR INSPECTIONS AND BE RESPONSIBLE FOR SCHEDULING ON-SITE INSPECTIONS WITH AN APPROPRIATE OWNER'S REPRESENTATIVE RELATED TO FUELING.
  - FUEL GC TO COORDINATE WITH TANKLOGS AND THE OWNER'S CONSTRUCTION MANAGER FOR TESTING OF FUELING SYSTEM.
  - FUEL GC TO HAVE PERSONNEL ON SITE FOR TESTING.

**STRUCTURE INDEX**

1	FUELING CANOPY FOR (6) DISPENSERS
2	UNDERGROUND FUEL STORAGE TANKS AND SLAB
3	REMOTE VENT RISERS AND 5 FT WD HOOP BOLLARD
4	911 EMERGENCY PHONE
5	EMERGENCY SHUT OFF SWITCH
6	CAR WASH BY OTHERS - SHOWN FOR REFERENCE
7	FUEL SITE MONITOR TLS 450R IN THE OFFICE OF CAR WASH
8	AIR MACHINE

PER UNION COUNTY ENVIRONMENTAL HEALTH, THERE ARE NO WATER WELLS WITHIN 500 FT OF THE UNDERGROUND STORAGE TANKS AT THIS SITE.

**TANK BURIAL CHART - INDIAN TRAIL, NC**

COMPONENT	PREMIUM	DIESEL	VENT
A. FINISH GRADE ELEV. AT BEGINNING OF RUN (FT):	648.43	648.43	648.5
B. PIPE BURY (FT):	3.25	3.25	2
C. ELEVATION OF PIPE AT BEGINNING OF RUN (A-B):	645.18	645.18	646.5
D. PIPE LENGTH (LONGEST RUN) (FT):	251	93	69
E. PIPING RUN FALL (FT) (D"1/8" PER FT):	2.61	0.97	0.72
F. TOTAL CROSSOVERS/SWING JOINTS:	0	0	0
G. CROSSOVER/SWING JOINT DEPTH (FT):	0	0	0
H. ELEVATION AT END OF PIPE (FT) (C-E-G):	642.57	644.21	645.78
I. ADD FOR EXTRACTOR TEE AT SUMP:	1	1	1.5
J. TOP TANK ELEVATION (FT) (H-I):	641.57	643.21	644.28
K. HIGHEST FINISH GRADE ELEVATION AT TANK SLAB (FT):	648.36	648.36	648.36
L. MAX BURY DEPTH (K-J)(FT): MAX = 5.67'	6.79	5.15	4.08
M. LOWEST FINISH GRADE ELEVATION AT TANKS (FT):	647.5	647.5	647.5
N. MIN BURY DEPTH (M-J) (FT): MIN = 4.17'	5.93	4.29	3.22

TANK BURIAL DEPTH IS GOVERNED BY PREMIUM PRODUCT AT = 6.79'  
THE TOP OF TANKS SHALL BE SET AT 641.57' - APPROVAL MUST BE OBTAINED FROM OWNER AND TANK MFR

**HFA**  
ARCHITECTS  
ENGINEERS  
INTERIORS

**HARRISON FRENCH**  
ASSOCIATES, PLLC

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**SAM'S MART**  
US HY 74 & TECHNOLOGY BLVD  
INDIAN TRAIL, NC 28079

JOB NUMBER: 07-16-80004

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P-0402

Professional Engineer Seal: RYAN S. RAY, No. 030048

MAY 31 2017

**FUELING SITE PLAN**

SHEET: **FS2**

May 31 2017 4:05pm - User: jkh  
2017-05-31 08:00:04 - Sam's Mart - Indian Trail, NC Fueling Site Plan.dwg