

Improvement Permit

A building permit cannot be issued with only an Improvement Permit

ISSUED TO: PJ's Truck Boones & Equip. PROPERTY LOCATION: 1560 GEORGE PERRY LEG RD
NEW [] REPAIR [] EXPANSION [X]
Type of Structure: FACTORY (40x200)
Proposed Wastewater System Type: Pump To [] 25% REDUCTION SYSTEM
Projected Daily Flow: 1675 GPD (NON FLOW REDUCED)
Number of bedrooms: [] Number of Occupants: 67 max
Basement [] Yes [X] No
Pump Required: [X] Yes [] No [] May be required based on final location and elevations of facilities
Type of Water Supply: [] Community [X] Public [] Well Distance from well [] feet
Permit conditions: [] Permit valid for: [X] Five years [] No expiration

Authorized State Agent: [Signature] Date: 7/5/14 SEE ATTACHED SITE SKETCH
The issuance of this permit by the Health Department in no way guarantees the issuance of other permits. The permit holder is responsible for checking with appropriate governing bodies in meeting their requirements. This site is subject to revocation if the site plan, plat, or the intended use changes. The Improvement Permit shall not be affected by a change in ownership of the site. This permit is subject to compliance with the provisions of the Laws and Rules for Sewage Treatment and Disposal and to conditions of this permit.

Construction Authorization

(Required for Building Permit)

The construction and installation requirements of Rules .1950, .1952, .1954, .1955, .1956, .1957, .1958, and .1959 are incorporated by references into this permit and shall be met. Systems shall be installed in accordance with the attached system layout.

ISSUED TO: PJ's Truck Boones & Equip. PROPERTY LOCATION: 1560 GEORGE PERRY LEG RD
Facility Type: FACTORY (40x200) [] New [X] Expansion [] Repair
Basement? [] Yes [X] No Basement Fixtures? [] Yes [] No
Type of Wastewater System** Pump To [] (PRESSURE MANIFOLD) (initial) Wastewater Flow: 1050 GPD (ADJUSTED DAILY FLOW)
Pump To [] (PRESS. MAN) (Repair)

Installation Requirements/Conditions
Septic Tank Size 2400 gallons TOTAL Exact length of each trench 136 feet Trench Spacing: 9 Feet on Center
Pump Tank Size 2400 gallons Trenches shall be installed on contour at a Maximum Trench Depth of: 18 inches (Maximum soil cover shall not exceed 36" above the trench bottom)
Pump Requirements: [] ft. TDH vs. [] GPM Aggregate Depth: 6 inches below pipe 2 inches above pipe
Conditions: SEE ATTACHED PROPOSAL FOR SPECIFICATIONS. CALL WITH ANY QUESTIONS 12 inches total PRIOR TO INSTALLATION. INSTALLER MUST HAVE COPY OF US ARMY CORPS PERMIT IN HAND.

WATER LINES (INCLUDING IRRIGATION) MUST BE 10FT. FROM ANY PART OF SEPTIC SYSTEM OR REPAIR AREA. NO UTILITIES ALLOWED IN INITIAL OR REPAIR DRAIN FIELD AREA. MEET ON SITE FOR FINAL TANK PLACEMENT AND SUPPLY LINE ROUTE AND DRAIN FIELD LAYOUT

**If applicable: I understand the system type specified is different from the type specified on the application. I accept the specifications of this permit.

Owner/Legal Representative Signature: [Signature] Date: []

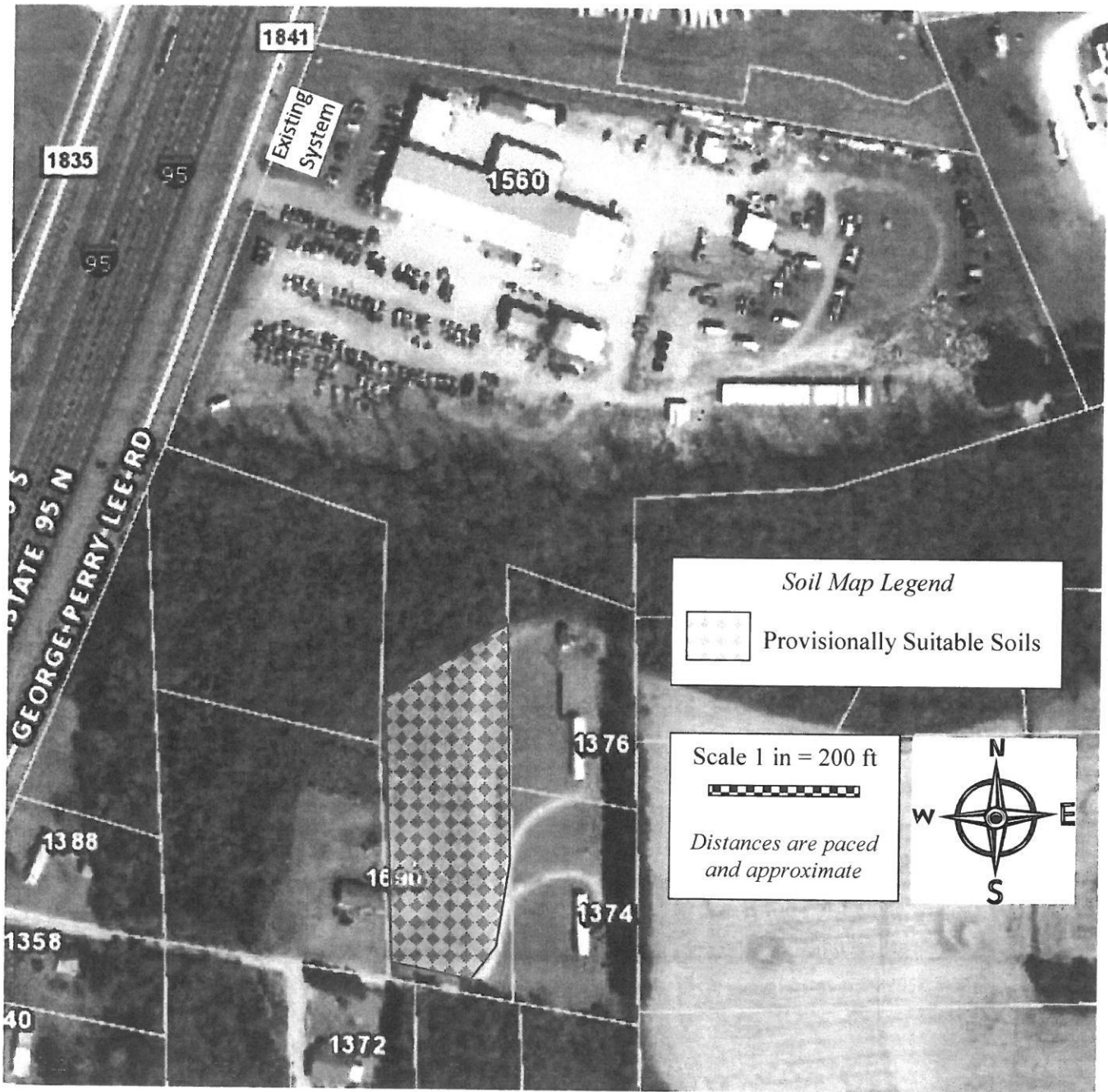
This Construction Authorization is subject to revocation if the site plan, plat, or the intended use changes. The Construction Authorization shall not be transferred when there is a change in ownership of the site. This Construction Authorization is subject to compliance with the provisions of the Laws and Rules for Sewage Treatment and Disposal and to the conditions of this permit. SEE ATTACHED SITE SKETCH

Authorized State Agent: [Signature] Date: 7/5/14 Construction Authorization Expiration Date: 7/5/13



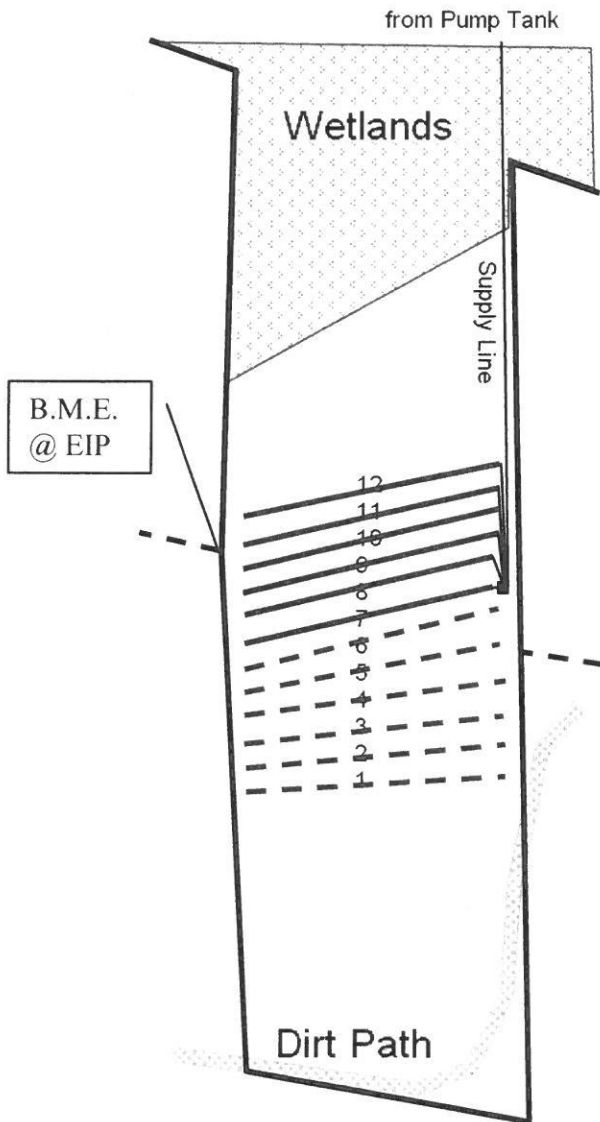
Comprehensive Soil Investigation and Septic System Design
JPF Properties LLC Property; PIN 1537-17-7973
27 December 2017

Figure 1. Soil Map showing Septic Suitability



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Figure 2. Septic System Layout



Design Flow = 1016 gallons per day

Lines flagged at site on 9-ft centers.

| Line # | Color | Relative Elevation (ft) | Drainline Length (ft) |
|-------------------|-------|-------------------------|-----------------------|
| 1 | R | 102.05 | 141 |
| 2 | Y | 101.91 | 141 |
| 3 | W | 101.74 | 141 |
| 4 | R | 101.58 | 141 |
| 5 | Y | 101.48 | 141 |
| 6 | B | 101.28 | 141 |
| 7 | W | 100.98 | 141 |
| 8 | R | 100.80 | 141 |
| 9 | Y | 100.57 | 141 |
| 10 | B | 100.50 | 141 |
| 11 | W | 100.29 | 141 |
| 12 | R | 100.09 | 141 |
| Pump Tank: | | | |
| Benchmark | | 100.00 | |

NOTE
 TRENCH
 LENGTH
 ON
 PERMIT

Initial System

Pressure Manifold to 6 X 141-ft (X 3-ft) ~~Conventional~~ drainlines (Lines 7-12)
 Installed on contour at 18 inches
 LTAR 0.4 gal/day/sqft

Repair System

Pressure Manifold to 6 X 141-ft (X 3-ft) ~~Conventional~~ drainlines (Lines 1-6)
 Installed on contour at 18 inches
 LTAR 0.4 gal/day/sqft

*drainlines must be at least 9ft on center and 10ft from property lines.

Scale 1 in = 100 ft

 Distances are paced and approximate



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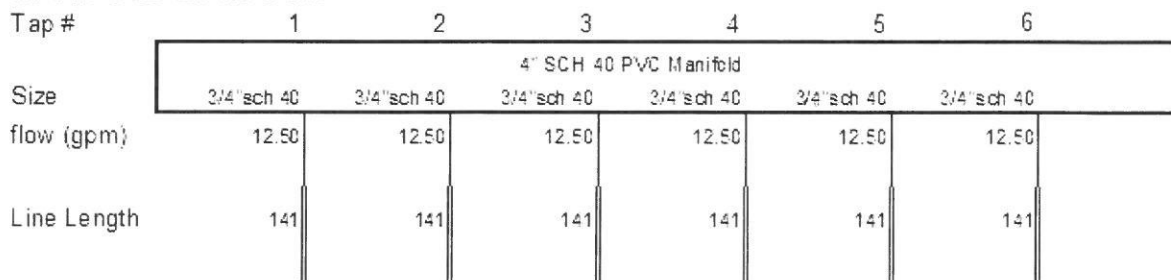
PRESSURE MANIFOLD DESIGN CRITERIA
NOTE TRENCH LENGTH ON PERMIT

| Line Number | Line Color | Elevation | Drainline Length(ft) | Tap Size/Schedule | Flow/tap (gpm) | gpd/ft | LTAR (gpd/sqft) |
|-------------|------------|-----------|----------------------|-------------------|----------------|--------|-----------------|
| 7 | W | 100.98 | 141 | 3/4"sch 40 | 12.50 | 1,201 | 0.400 |
| 8 | R | 100.80 | 141 | 3/4"sch 40 | 12.50 | 1,201 | 0.400 |
| 9 | Y | 100.57 | 141 | 3/4"sch 40 | 12.50 | 1,201 | 0.400 |
| 10 | B | 100.50 | 141 | 3/4"sch 40 | 12.50 | 1,201 | 0.400 |
| 11 | W | 100.29 | 141 | 3/4"sch 40 | 12.50 | 1,201 | 0.400 |
| 12 | R | 100.09 | 141 | 3/4"sch 40 | 12.50 | 1,201 | 0.400 |

Total Drainline= 846 Total Flow= 75.00

Pressure Head (ft)= 2 Target LTAR* (gpd/sf)= 0.40 LTAR + 5% 0.42
 Daily Flow= 1016 Total Flow (gpm)= 75.00 Daily PRT (min)= 13.55
 Dose Vol= 414.33 gallons w/ Pipe Vol @% 75 Dose PRT (min)= 5.52

MANIFOLD DIAGRAM:



PJ'S Truck Bodies and Equipment
July 3, 2018
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Review of the information that was provided has been completed and an adjusted design daily flow of 15.7 gpd/employee, which equates to a design daily flow of 1,052 gpd for sixty-seven (67) employees is conditional approved contingent on the following:

1. No showers, floor drains, garbage disposals or grinders as well as no food preparation, HVAC or process wastewater discharge into the wastewater treatment and disposal system;
2. Install an individual water meter or individual accurate wastewater flow measurement method or device on each building;
3. There is no increase wastewater strength to levels above typical domestic strength wastewater; and
4. Chemical cleaners, solvents, petroleum products or any other potentially inhibitory/interfering substance are not permitted for disposal into the wastewater system.

If you have any questions concerning these comments, you may contact me by phone at (919) 715-3270, by fax at (919) 715-3227, or by e-mail at Lorna.Withrow@dhhs.nc.gov.

Sincerely,

Lorna C. Withrow, PE
On-Site Wastewater Engineering

cc: Scott Greene, LSS – On-Site Water Protection