



# JOHNSTON COUNTY ENVIRONMENTAL HEALTH DEPARTMENT

309 East Market Street, Smithfield, NC 27577  
Phone: 919-989-5180 Fax: 919-989-5190  
[www.johnstonnc.com/envhealth](http://www.johnstonnc.com/envhealth)

## IMPROVEMENT PERMIT

Application #: 204031

Parcel #: 04m15007K

Name: RRT Development

Address: 21 Trescott St. City, State, Zip : Smithfield, NC 27577

Subdivision (if applicable): Lucas Park Lot #: 33 Property Size: .72 Acre(s)

New  Expansion  Repair  System Relocation  Change of Use

Facility Type: Residential-SFD Number of Bedrooms: 4 Maximum # of Occupants: 8

Design Wastewater Strength:  Domestic  High Strength  Industrial Process Wastewater

Proposed Design Daily Flow: 480 GPD Proposed LTAR (Initial) 0.5 Proposed LTAR-Repair Area: 0.5

Proposed Wastewater System (Initial): Accepted Classification Type: III b Pump Required:  Yes  No

Proposed Wastewater System (Repair): Accepted Classification Type: III b Pump Required:  Yes  No

Effluent Standard:  DSE  HSE  NSF/ANSI 40  TS-I  TS-II  RCW

Saprolite System (Initial):  Yes  No Saprolite System (Repair):  Yes  No

Fill System (Initial):  Yes  No If yes, specify:  New  Existing (when adding more than 6 inches of fill to system area provide a fill plan)

Fill System (Repair):  Yes  No If yes, specify:  New  Existing (when adding more than 6 inches of fill to system area provide a fill plan)

Depth to LC (Initial)\*: 48 inches Depth to LC (Repair)\*: 48 inches \* **Limiting Condition**

Max. Trench Depth (Initial)\*: 18-24 inches Max. Trench Depth (Repair)\*: 18-24 inches \* **Measured on the downhill side of the trench**

Artificial Drainage Required:  Yes  No If yes, please specify details: \_\_\_\_\_

Type of Water Supply:  Public Supply  Private Well  Community Well  Shared Well  Spring  Other: \_\_\_\_\_

Drainfield location meets requirements of Rule .0508:  Yes  No Drainfield location meets requirements of Rule .0601:  Yes  No

Permit valid for:  Five years [site plan submitted pursuant to GS 130A-334(13a)]  No expiration [plat submitted pursuant to GS 130A-334(7a)]

Permit conditions:  
-If gravity can be achieved, pump may be omitted  
\_\_\_\_\_  
\_\_\_\_\_

*DWF* Authorized Agent's Printed Name: Alan Farris Issuance Date: 08/02/2024

Authorized Agent's Signature: Alan Farris Expiration Date: 08/02/2029

The issuance of this Improvement Permit (IP) in no way guarantees the issuance of other permits, approvals, or requirements by other local units of government, state or federal agencies (ie: building and/or zoning permits, mandatory sewer connections, etc.) Use of the site may be subject to all applicable development regulations/ordnances/rules/laws. This IP is subject to revocation and/or suspension if the site plan, plat, the intended use changes, or any unauthorized site disturbance, filling, soil removal or layout changes. The IP shall not be affected by a change of ownership of the site. This IP is subject to compliance with the provisions of 15A NCAC 18E and to the any conditions of this permit. The IP is valid for 5 years from the date of issuance unless otherwise indicated.

Signature of Owner/Legal Representative: Kevin Shortridge Date: Dec 09 2024

**IMPROVEMENT PERMIT  
SITE SKETCH**

Application #: 204031

Name: RRT Development

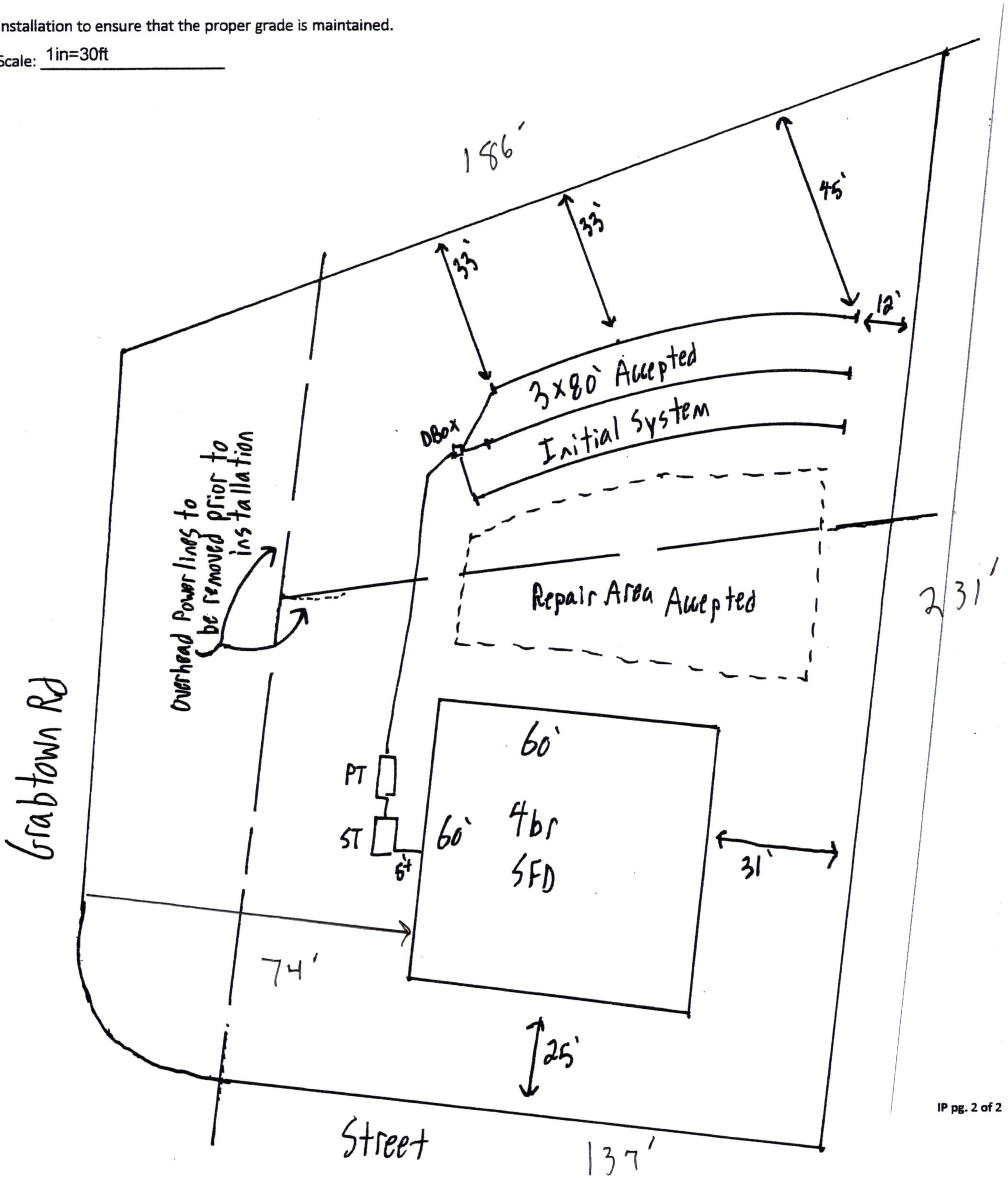
Address: 21 TRUSCOTT ST. City, State & Zip: Smithfield, NC 27577

Subdivision (if applicable): Lucas Park Lot #: 33 Property Size: .72 Acre(s)

Authorized Agent's Printed Name: Alan Farrior Date: 08/02/2024

System components represent approximate location of septic system and repair area. The contractor must flag the system prior to beginning the installation to ensure that the proper grade is maintained.

Scale: 1in=30ft





# JOHNSTON COUNTY ENVIRONMENTAL HEALTH DEPARTMENT

309 East Market Street, Smithfield, NC 27577  
Phone: 919-989-5180 Fax: 919-989-5190  
[www.johnstonnc.com/envhealth](http://www.johnstonnc.com/envhealth)

## CONSTRUCTION AUTHORIZATION

Application #: 204031

Parcel #: 04m15007K

Name: RRT Development

Address: 21 Trescott St. City, State & Zip: Smithfield, NC 27577

Subdivision (if applicable): Lucas Park Lot #: 33 Property Size: .72 Acre(s)

New  Expansion  Repair  System Relocation  Change of Use

Facility Type: Residential-SFD Number of bedrooms: 4 Maximum # of Occupants: 8

Basement:  Yes  No Basement Fixtures:  Yes  No Crawl Space:  Yes  No Slab Foundation:  Yes  No

Type of Wastewater System\* Accepted (Initial) System Classification: III b

Accepted (Repair) System Classification: III b

Design Daily Flow: 480 GPD Wastewater Strength:  Domestic  High Strength  Industrial Process Wastewater

Rule .0403(e) Engineering Design Utilizing Low-flow Fixtures and Low-flow Technologies (S.L. 2013-413 and 2014-120)?  Yes  No

(if yes, please provide engineering documentation)

Effluent Standard:  DSE  HSE  NSF/ANSI 40  TS-I  TS-II  RCW

Type of Water Supply:  Public Supply  Private Well  Community Well  Shared Well  Spring  Other: \_\_\_\_\_

### Installation Requirements/Conditions:

Septic Tank Size: 1000 gallons Grease Trap Size (if applicable): N/A gallons LTAR: 0.5 gpd/ft<sup>2</sup>

# of Lines: 3 Length: 80' Trench Area: 720 ft<sup>2</sup>

Trench Width: 36 inches Trench Spacing Minimum: 9 ft on center Additional Soil Cover: N/A inches

Slope Corrected Maximum Trench Depth±: 18-24 inches #Measures on the downhill side of the trench

Pump Tank Size (if applicable): 1000 gallons Requires more than one pump?  Yes  No

Pump Requirements: 11 ft. TDH vs. 21 gpm Pressure Head: N/A Drawdown: 5.8 inches

Distribution Method:  Serial  D-Box or Parallel  Pressure Manifold(s)  LPP  Other: \_\_\_\_\_

Artificial Drainage Required:  Yes  No If yes, please specify details: \_\_\_\_\_

### Legal Agreements: (If the answer is "Yes" to any type of legal agreements, please attach a copy of the agreement.)

Multi-party Agreement Required [Rule .0204(g)]:  Yes  No Pre-Construction Conference Required:  Yes  No

Easement, Right-of-Way, or Encroachment Agreement Required [Rule .0204(d)]:  Yes  No

Management Entity Required:  Yes  No Minimum O&M Requirements: \_\_\_\_\_

### Permit Conditions:

-If gravity can be achieved, pump may be omitted.

DWT

Authorized Agent's Printed Name: Alan Farris Issuance Date: 12/9/2024

Authorized Agent's Signature: Alan Farris Expiration Date: 12/9/2029

The issuance of this Construction Authorization (CA) in no way guarantees the issuance of other permits, approvals, or requirements by other local units of government, state, federal (ie: building and or zoning permits, mandatory sewer connections, etc.) Use of the site may be subject to all applicable development regulations/ordinances/rule/law. The requirements of 15A NCAC 18E are incorporated by reference into this CA and shall be met. This CA is subject to compliance with the provisions of 15A NCAC 18E, or 15A NCAC 18A .1900, as applicable and to the conditions of this permit. This CA is subject to revocation and/or suspension, if the site plan, plat, intends use changes, or any unauthorized site disturbance, filling, soil removal, or layout changes. The CA is not affected by a change in ownership of the site and is valid for 5 years from the date of Improvement Permit issuance, unless otherwise indicated. Systems shall be installed in accordance with the attached site sketch.

Signature of Owner/Legal Representative: Kevin Shartridge Date: Dec 09 2024

\*See attached site sketch\*

# CONSTRUCTION AUTHORIZATION SITE SKETCH

Application #: 204031

Pre-Construction Conference Required:  Yes  No

Name: RRT Development

Address: 21 Trescott St. City, State, Zip: Smithfield, NC 27577

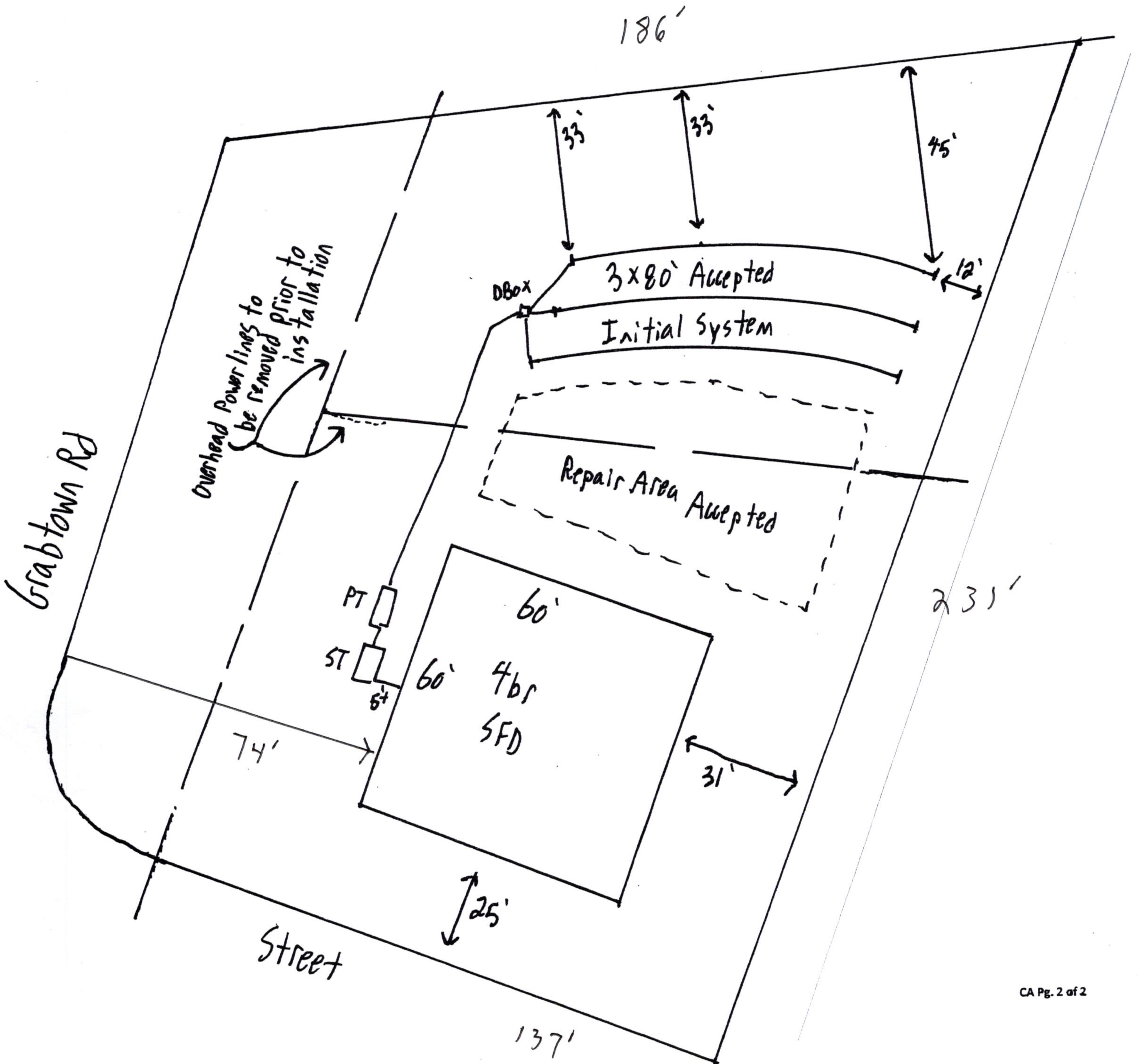
Subdivision (if applicable): Lucas Park Lot #: 33 Property Size: .72 Acre(s)

Authorized Agent's Printed Name: Alan Farris Date: \_\_\_\_\_

System components represent approximate location of septic system and repair area. The contractor must flag the system prior to beginning the installation to ensure that the proper grade is maintained.

Scale: 1in=30ft

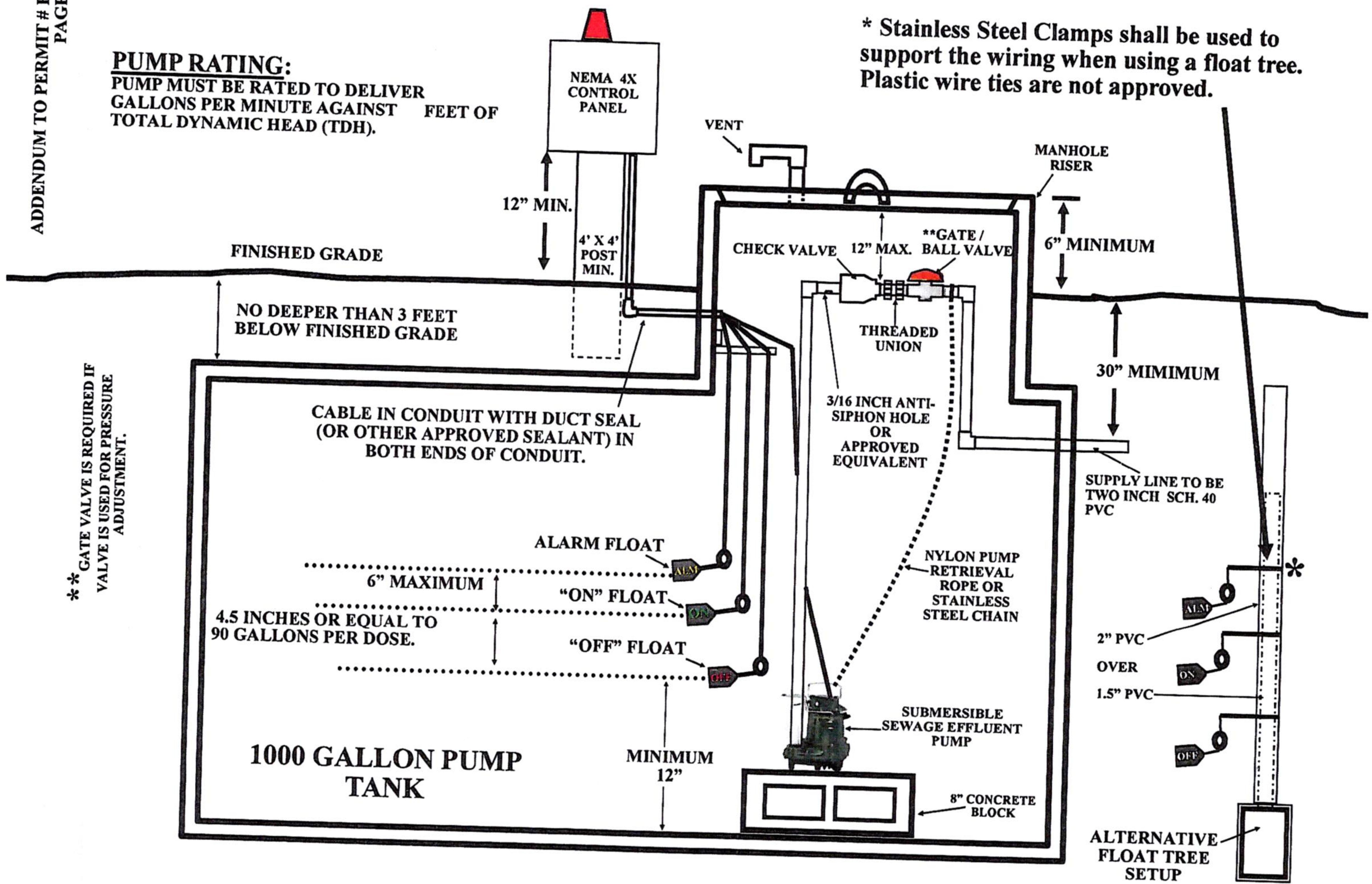
Slope Corrected Maximum Trench Depth: 18-24 inches ‡Measures on the downhill side of the trench



# PUMP SYSTEM DETAIL SHEET

**PUMP RATING:**  
PUMP MUST BE RATED TO DELIVER  
GALLONS PER MINUTE AGAINST FEET OF  
TOTAL DYNAMIC HEAD (TDH).

\* Stainless Steel Clamps shall be used to support the wiring when using a float tree. Plastic wire ties are not approved.



\*\* GATE VALVE IS REQUIRED IF  
VALVE IS USED FOR PRESSURE  
ADJUSTMENT.