## Brayton - Lot 36

Project No. 1425-1

| LINE # | FLAG COLOR | BS (ft) | HI (ft) | FS (ft) | ELEVATION (ft) | FLAGGED LINE LENGTH (ft) | DESIGN LINE LENGTH (ft) |
|---|---|---|---|---|---|---|---|
| TBM | | 3.7 | | | 100.00 | | |
| INSTR. 1 | | | 103.70 | | | | |
| 1 | PURPLE | | | 3.2-3.3 | 100.4-100.5 | 41 | 0 |
| 2 | RED | | | 3.3-3.4 | 100.3-100.4 | 54 | 0 |
| 3 | BLUE | | | 3.3-3.5 | 100.4-100.2 | 67 | 65 |
| 4 | YELLOW | | | 3.7-3.9 | 99.8-100.0 | 82 | 80 |
| **5** | **PURPLE** | | | **-** | **-** | **100** | **115** |
| **6** | **WHITE** | | | **-** | **-** | **100** | **115** |
| **7** | **RED** | | | **-** | **-** | **100** | **115** |
| 8 | BLUE | | | 4.1-4.6 | 99.1-99.6 | 112 | 110 |
| 9 | WHITE | | | 4.5-5.1 | 98.55-99.2 | 121 | 120 |
| 10 | RED | | | 5.0-5.1 | 98.6-98.7 | 50 | 0 |
| | | | | | **Total** | **827** | **720** |

| | DESIGN LINE LENGTH (ft) | SOIL LTAR GPD/FT$^2$ | SYSTEM TYPE | DESIGN LTAR GPD/FT$^2$ | DISTRIBUTION MEDIA | DISTRIBUTION METHOD | DESIGN FLOW (GPD) |
|---|---|---|---|---|---|---|---|
| **System** | **345** | **0.35** | **Accepted** | **-** | **EZ-Flow** | **Pump to D-Box** | **480** |
| Repair | 375 | 0.35 | Accepted | 0.32 | EZ-Flow | Pressure Manifold | 480 |

**Notes:**

**TBM on ground SEPTIC TANK.

**TBM is assumed to be 100.00'.

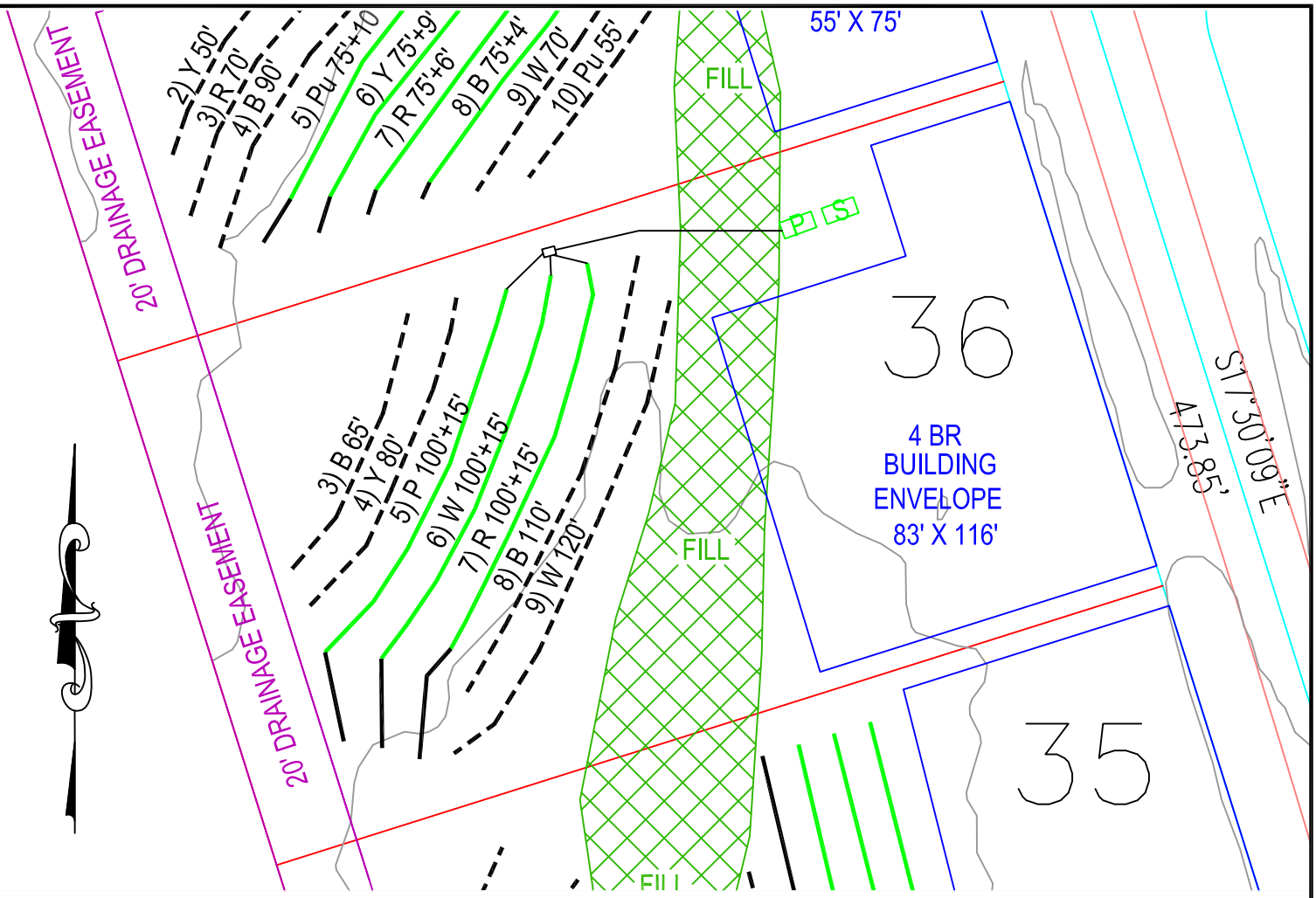
**All measures in feet.

**Nitrification lines are demonstrated on contour via colored pin flags.

**BS, FS indicate rod readings.

****SOIL DEPTH SUFFICIENT FOR OFF CONTOUR SYSTEM AND REPAIR**

****EXISTING SYSTEM PERMITTED (D19158)**




## LEGEND

- SYSTEM LINE
- REPAIR LINE
- EXISTING SEPTIC TO BE ABANDONED
- EXISTING SEPTIC TO BE UTILIZED
- NO FOUNDATION DRAINS
- S — EXISTING SEPTIC TANK
- P — PUMP TANK
- BUILDING ENVELOPE

## GRAPHIC SCALE

1" = 40'

40' 0 40'

NOTES:

1) SITE DATA TO INCLUDE PROPERTY BOUNDARIES, STRUCTURE LOCATION, UTILITIES, ROADS, AND OTHER SITE FEATURES WERE PROVIDED BY STEWART PROCTOR SURVEYING AND ARE SHOWN TO DISPLAY GENERAL SITE CONDITIONS.

2) ALL SEPTIC SYSTEM COMPONENTS TO INCLUDE TANKS, PUMPS, MANIFOLDS, AND SYSTEM AND REPAIR LINES HAVE BEEN GPS LOCATED BY SOIL SERVICES, PLLC. ALL LOCATIONS, ELEVATIONS, AND DIMENSIONS ARE APPROXIMATE AND AS SUCH NO SPECIFIC ACCURACY EITHER VERTICAL OR HORIZONTAL IS IMPLIED.

3) PROPERTY AND EASEMENT BOUNDARIES SHOWN ON THIS SITE SKETCH ARE APPROXIMATE AND ARE NOT INTENDED FOR LOCATING PROPERTY OR IDENTIFYING PROPERTY OR EASEMENT CORNERS. THIS IS NOT A SURVEY.


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Sheet Title: SEPTIC SYSTEM SITE PLAN

Project: BRAYTON PARK - LOT 36

Location: WAKE CO., NC

Client: STARCRAFT BUILDERS

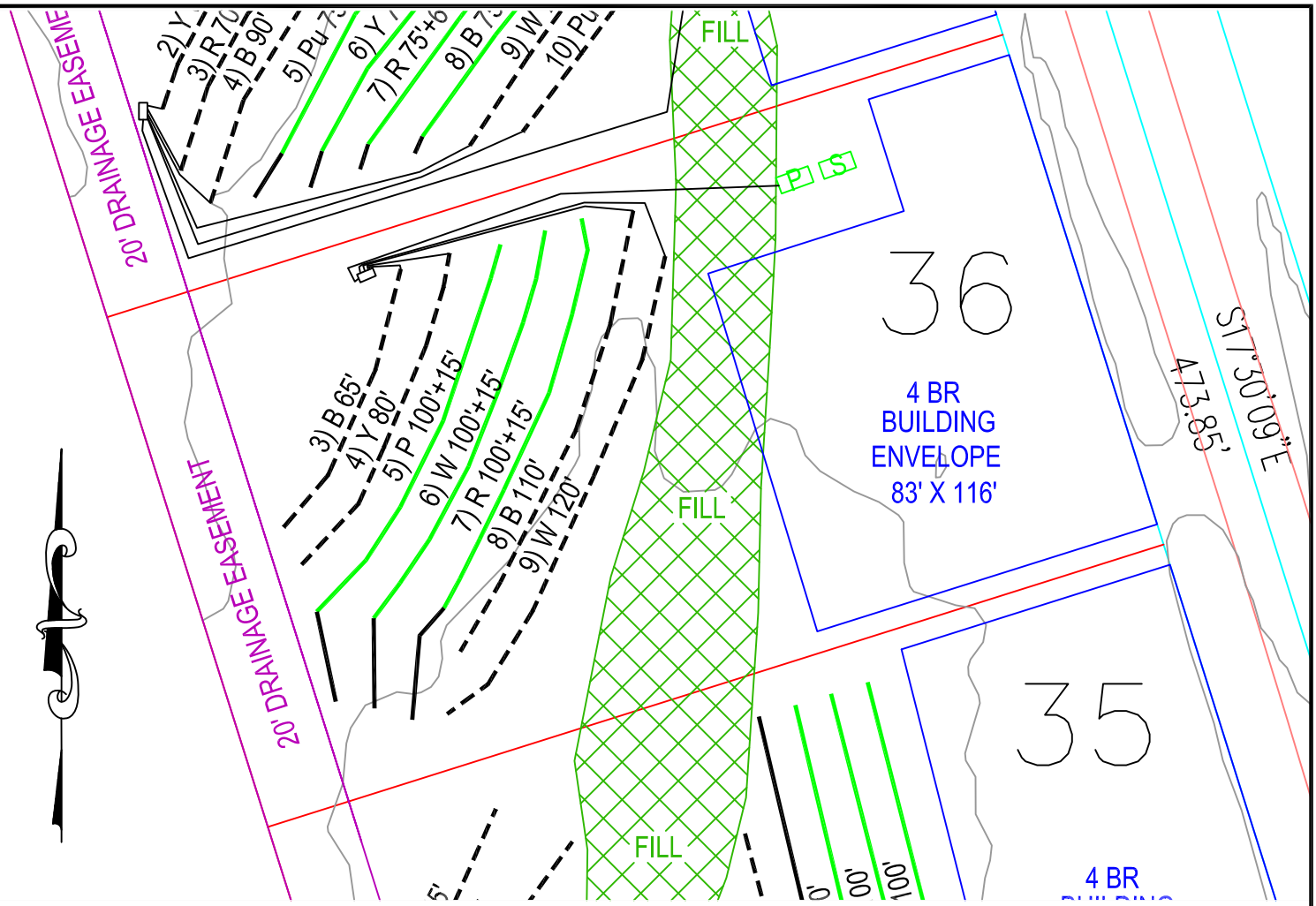
| | |
|---|---|
| Project No.: | 1425-1 |
| Project Manager: | SM |
| Drawn: | SM |
| Scale: | 1":40' |
| Field Work: | SM |
| Sheet No.: | 1 of 1 |

# Brayton - Lot 36
# Project No. 1425-1
## REPAIR TAP CHART

| Line # | Color | Field Elev. (ft) | Length (ft) | Hole Size (in) | Flow/Tap (gpm) | gpd | Trench Area (sq ft) | Line LTAR (gpd/sq ft) |
|---|---|---|---|---|---|---|---|---|
| 3 | BLUE | ***100.4-100.2*** | **65** | 1/2" SCH. 80 | **5.48** | 74.74 | 195 | 0.383 |
| 4 | YELLOW | ***99.8-100.0*** | **80** | 1/2" SCH. 40 | **7.11** | 97.00 | 240 | 0.404 |
| 8 | BLUE | ***99.1-99.6*** | **110** | 3/4" SCH. 80 | **10.12** | 138.03 | 330 | 0.418 |
| 9 | WHITE | ***98.55-99.2*** | **120** | 3/4" SCH. 40 | **12.48** | 170.23 | 360 | 0.473 |

**total** **feet =** **375** **gal/min =** **35.20**

| | | |
|---|---|---|
| **Des. Flow** | **480** | **gpd** |
| **Pump Run=** | **13.64** | **min** |
| **soil LTAR** | **0.35** | **gpd/sq ft** |
| **( ltar +5%)** | **0.3675** | **gpd/sq ft** |
| **INNOV. Product Reduction** | **25%** | |
| **LTAR with INNOV.** | **0.466666667** | **gpd/sq ft** |
| **LTAR with INNOV. + 5%** | **0.49** | **gpd/sq ft** |
| **100% Dose Volume** | **244.04** | **gal** |
| **Percent Dose Volume** | **73%** | |
| **Total** | **178.15** | **gal** |
| **Pump Run Time** | **5.06** | **min** |




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Sheet Title: SEPTIC REPAIR SITE PLAN

Project: BRAYTON PARK - LOT 36

Location: WAKE CO., NC

Client: STARCRAFT BUILDERS

| | |
|---|---|
| Project No.: | 1425-1 |
| Project Manager: | SM |
| Drawn: | SM |
| Scale: | 1":40' |
| Field Work: | SM |
| Sheet No.: | 1 of 1 |