This Permit VOIDS Permit issued on 2-3-12

IREDELL COUNTY HEALTH DEPARTMENT - *ENVIRONMENTAL HEALTH* ☒ STATESVILLE OFFICE 704-878-5305 ☐ MOORESVILLE OFFICE 704-664-5281

IMPROVEMENT PERMIT / AUTHORIZATION TO CONSTRUCT / OPERATION PERMIT / EXISTING SYSTEM INSPECTION

PERMIT # 169988 PIN # 4852-660041 DATE 8-7-12

OWNER NCDG LLC APPLICANT: Brawley Construction Co. PHONE: Home/Cell # 704-663-5270 Business #

SITE ADDRESS 1465 Memorial Hwy OWNER / APPLICANT ADDRESS

SITE DIRECTIONS 77 N to left on Memorial Hwy on left at 1465.

SUBDIVISION (2100) n/a BLOCK / SECTION n/a LOT # LOT AREA 1.125 Ac. DESIGN FLOW 200* GPD L.T.A.R. .3

Septic Tank 2000 Gallons: STB 348 Date 6-21-12
Pump Tank 2000 (2500) Gallons: PT 496 Date 7-4-12
Pump Make Model Serial #
No. Nitrification Fields: 1 No. Lines 3 Linear Feet 170
Trench Width 36" Max. Trench Bottom Depth 36" Gravel Depth n/a

☒ New System ☐ Repair ☐ Expansion System Type I II III IV V VI
System Description: 25% Reduction PUMP- Flow EQ
Repair System Description: 25% Reduction PUMP Flow EQ
Maintenance Agreement Required ☐ YES ☒ NO
☐ GRAVITY ☒ PRESSURE

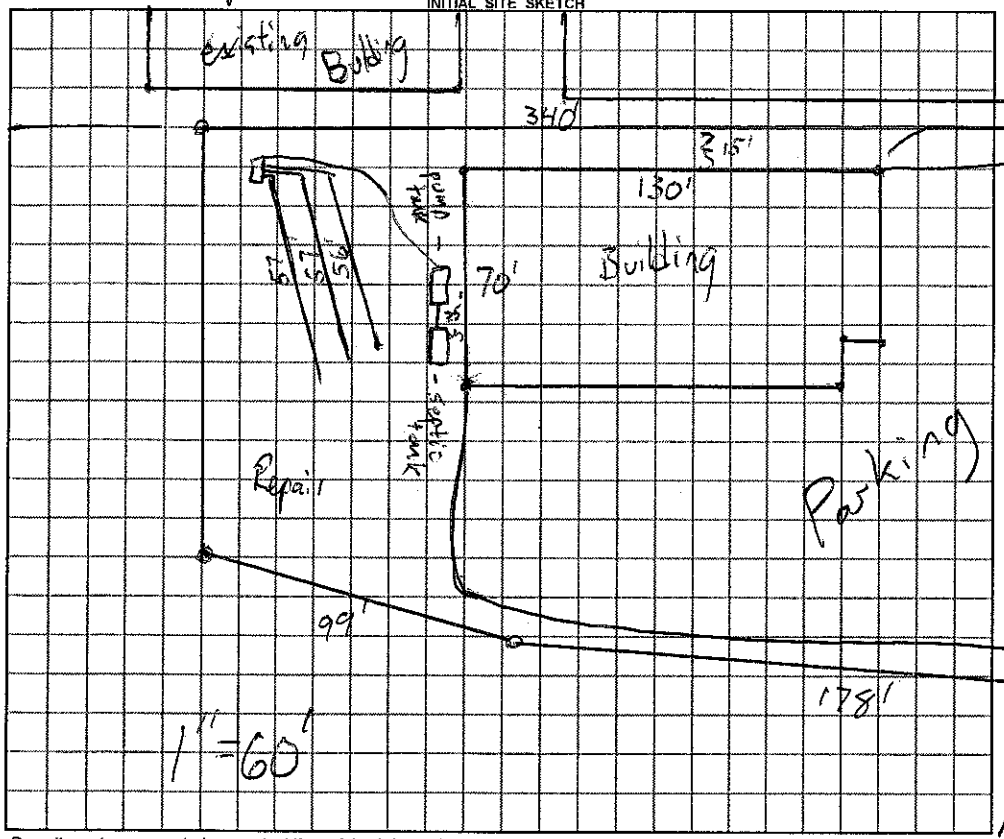
☐ Residence No. Bedrooms
☒ Business No. Persons
☐ Other No. Employees 3/shift
☒ Slab ☐ Crawl Space
☐ Basement w/plumbing ☐ Basement w/o plumbing

Water Supply: ☐ Private ☒ Public ☐ Community

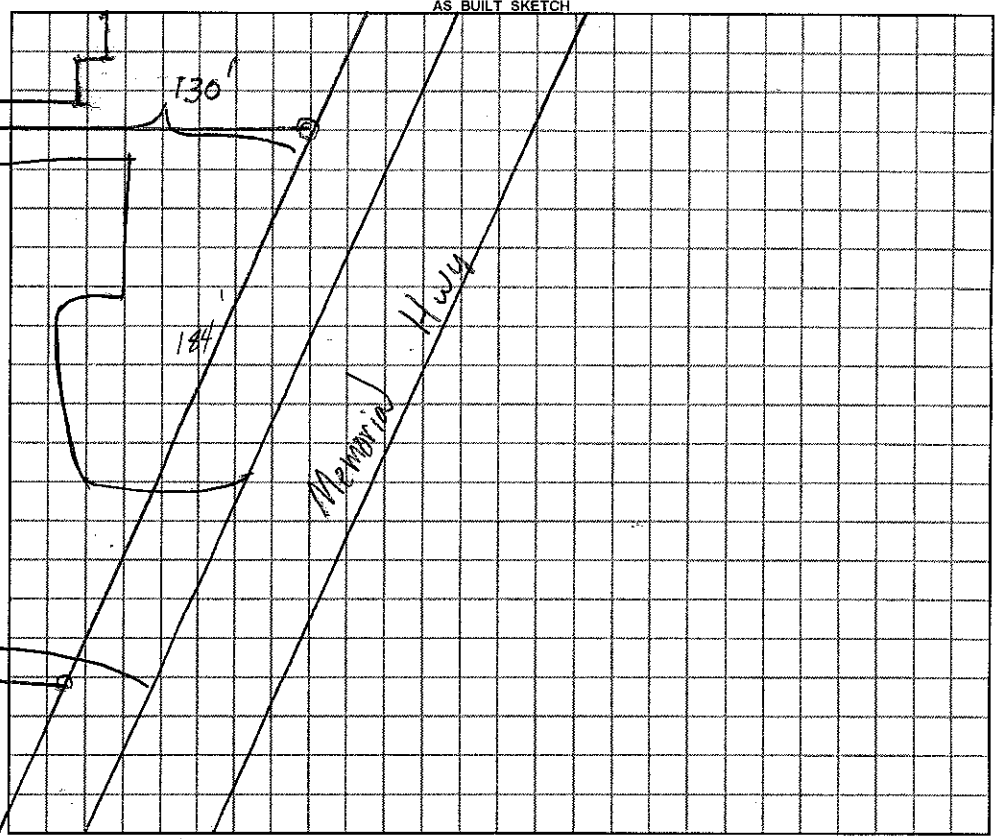
Comments / Conditions: ★Traffic-rated tanks must be used, due to depth of plumbing ★Follow all of state's mandatory guidelines for flow reduction ★Flow equalization panel must be used to limit amount of effluent discharged to drainfield.

★-state flow reduction allowed

INITIAL SITE SKETCH



AS BUILT SKETCH



Permit can be suspended or revoked if any false information is supplied toward securing the permit / any unauthorized changes are made to the site / any unauthorized changes are made in the installation of the system.

☐ ***IMPROVEMENT PERMIT*** with plat valid without expiration. ☒ ***IMPROVEMENT PERMIT*** with plat valid without expiration. Site plan valid 60 mo. ☒ ***AUTHORIZATION TO CONSTRUCT*** valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.

Owner / Applicant Signature: Date 8-8-12 Installed by: Darryl Simon

IMPROVEMENT PERMIT by: REHS Date 8-8-12 OPERATION PERMIT by: REHS Date 8-16-12

AUTHORIZATION TO CONSTRUCT by: REHS Date 8-8-12 Existing System Inspected by: REHS Date

YOU SHOULD CONTACT A LOCATOR SERVICE PRIOR TO ANY EXCAVATION

White Copy – Environmental Health YELLOW COPY (Final) Owner / Applicant PINK COPY (Initial) Owner / Applicant

Pump Design Sheet **For:** Dollar General, Union Grove, NC **By:** Jamie Stewart

System Length (linear ft)	200		
# of Taps	3	Manifold Length (in)	24
Manifold Size (in)	4	Flow per Tap (gpm)	10.12
Tap Type (sch 40 or 80)	80	Total Flow (gpm)	30.37
Tap Size (in)	0.75	Friction Loss (ft)	1.54
Tap Length (in)	12	Total Dynamic Head (ft)	21.54
Supply Line Size (in)	2		
Supply Line Length (ft)	60		
Pressure Head (ft)	2		
Elevation Head (ft)	10		
Septic Tank Size (gal)	2500		

When choosing a pump for this system, you will need a pump that can deliver:

30.37 GPM against **21.54** FT of Total Dynamic Head

Dose Volume (gal)	97.5
Pump Run Time (min)	3.21
Tank Drawdown (in)	0.00

ERROR! Pump run time is below the minimum of 5 minutes. Decrease Total Flow.