2130

IREDELL COUNTY HEALTH DEPARTMENT

STATESVILLE 704-878-5305 MOORESVILLE 704-664-5281

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

PERMIT # 150831 PIN # 4626-11-4019 DATE April 5, 2011

OWNER or APPLICANT Cottonwood Homes PHONE: Business 704-400-7202 Home:

OWNER or APPLICANT ADDRESS P.O. Box 2022 Cornelius NC 28031

LOCATION / DIRECTIONS Brawley School Rd. TR Chuckwood TL 2nd Barber Loop on Left

SUBDIVISION Watertree Landing BLOCK / SECTION 5 LOT # 84 LOT AREA .77Ac. DESIGN FLOW 480gpd. L.T.A.R. .3 gpd/ft²

Septic Tank 1000 Gallons: STB 794 Date 7-8-11

Pump Tank ____ Gallons: P T ____ Date ____

Pump Make ____ Model ____ Serial # ____

Nitrification Field No Fields 1 No Lines 4 Linear Feet 400

Trench Width 36" Max. Trench Bottom Depth 36" Gravel Depth NA

☒ New System ☐ Repair ☐ Expansion System Type I (II) III IV V VI

System Description: 2500 Reduction Gravity

Repair System Description: LP PPBPS

Maintenance Agreement Required ☐ YES ☒ NO

☒ GRAVITY ☐ PRESSURE

☒ Residence No. Bedrooms 4 ☐ Business No. Persons ____ ☐ Other No. Employees ____

☐ Slab ☒ Crawl Space ☐ Basement w/plumbing ☐ Basement w/o plumbing

Water Supply: ☒ Private ☐ Public ☐ Community

Comments / Conditions

Follow state rules

Keep drainfield lines 10' from PL

Comments / Conditions 9/1/2011 Checked ST & top 2 lines. Bottom lines Checked 9/13/11

ADS 36

INITIAL SITE SKETCH

See Plan from Michael Athanas & Associates Approved by ICHD

AS BUILT SKETCH

Installed 4-100 lines

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 w / plat valid without expiration.* ☒ *IMPROVEMENT PERMIT w / site plan valid for 60 mos.* ☐ *AUTHORIZATION TO CONSTRUCT valid for period equal to IMPROVEMENT PERMIT-not to exceed 60 mo.*

Owner / Applicant Signature: Blue McAm Date 4-7-11

Improvement Permit by: Judy Melville REHS Date 4-5-11

Authorzation to Construct by: Judy Melville REHS Date 4-7-11

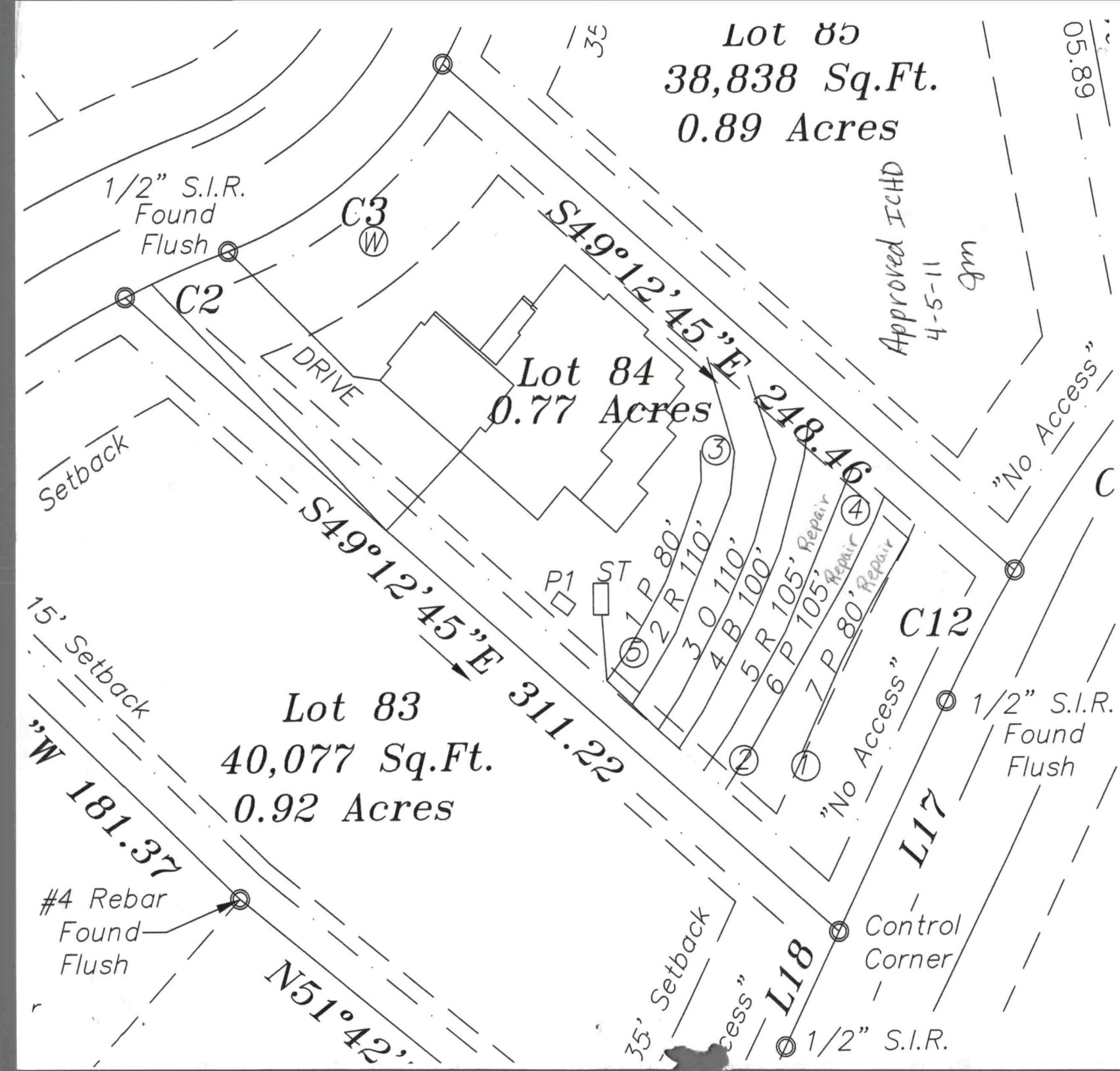
YOU SHOULD CONTACT A LOCATOR SERVICE PRIOR TO ANY EXCAVATION.

Installed by: R&H RS

Operation Permit by: Mark Dotson Date: 9/13/11

Existing System Inspected by: ____ Date: ____

WHITE COPY Environmental Health YELLOW COPY (Final) Owner / Applicant PINK COPY (Initial) Owner / Applicant


Lot 85
38,838 Sq.Ft.
0.89 Acres
1/2" S.I.R.
Found
Flush
C3
W
C2
DRIVE
S49°12'45"E 248.46
Lot 84
0.77 Acres
Approved ICHD
4-5-11
gm
"No Access"
Setback
S49°12'45"E 311.22
P1
ST
1 P 80'
2 R 110'
3 O 110'
4 B 100'
5 R 105' Repair
6 P 105' Repair
7 P 80' Repair
C12
"No Access"
1/2" S.I.R.
Found
Flush
15' Setback
Lot 83
40,077 Sq.Ft.
0.92 Acres
"W 181.37
L17
#4 Rebar
Found
Flush
Control
Corner
N51°42'
35' Setback
L18
1/2" S.I.R.

WATERTREE LANDING LOT 84
APPLICANT AND DESIGN SPECIFICATIONS

Applicant:	COTTONWOOD HOMES
Phone:	704-746-6497
Address:	PO Box 2022 Cornelius, NC 28031
County:	Iredell
Location:	Watertree lot 84
Application for:	4 Bedroom Single Family Residence
Gallons per day:	480
Linear feet:	400
Loading Rate (gpd/ft.2):	0.3
Trench Depth:	36 in.
Trench Width:	36 in.
Septic Tank Size:	1000
Pump Tank Size:	N/A
Estimated Supply line Length/ft:	2
Supply Line Diameter:	3 in. SCH 40 PVC
Dosing volume:	ON DEMAND
Lateral line volume:	261.20
Supply Manifold:	SERIAL DIST.
Manifold Length:	N/A
Manifold Volume:	N/A
Pressure Head:	N/A
Friction Head:	N/A
Elevation Head:	N/A
Friction factor:	N/A
TDH:	N/A
Pump Run:	N/A
Threaded Union:	N/A
Gate Valves:	N/A
Check Valves:	N/A
Anti-Siphon Hole:	N/A
Design flow:	480
Trench Bottom:	1200
Number of fields	1
Supply line length	5
Draw down:	N/A
Comments:	Soil suitability was used from existing permit.

*Pump tank draw down based on 21 gallons per inch. Draw down may vary depending on tank manufacturers.

WATERTREE LANDING LOT 84

SYSTEM TYPE	**25% REDUCTION**
SYSTEM LTAR	**0.3 GPD/FTSQ**
SYSTEM LINE LENGTH	**400**
REPAIR TYPE	*LP PPBPS*
REPAIR LTAR	*0.3 GPD/FTSQ*
REPAIR LINE LENGTH	*290*

LINE #	FLAG COLOR	SHOT ELEVATION	LINE LENGTH
1	***PINK***	***N/A***	***80***
2	***RED***	***N/A***	***110***
3	***ORANGE***	***N/A***	***110***
4	***BLUE***	***N/A***	***100***
5	RED	N/A	105
6	PINK	N/A	105
7	ORANGE	N/A	80
		Total	**690**
TBM		***N/A***	
HOUSE CORNER		***N/A***	
TANK		***N/A***	

SOIL/SITE EVALUATION

(Continuation Sheet)

Sheet ____ of ____

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

WATERTREE LOT 84

PROPERTY ID #: ____________
DATE OF EVALUATION: __3/2011______
COUNTY: ____IREDELL___

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZ ON DEPTH (IN.)	SOIL MORPHOLOGY (.1941)		OTHER PROFILE FACTORS				PROFILE CLASS & LTAR
			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
B 5	LSS 7%	0-26	RC SBK	FRI SS SP SEXP	N/A	48"	N/A	N/A	.3 GPD/FT2 OK gm
		26-48	RCL WFSBK	FRI SS SP SEXP					

COMMENTS: ____