IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # 213793

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

PIN # 4646-04-9564.000

APPLICANT: David Wesselman APPLICANT ADDRESS: 215 Crystal Circle, Mooresville NC

SITE ADDRESS: 215 Crystal Circle, Mooresville NC PHONE: 704-881-1825 ALT. PHONE:

SITE DIRECTIONS: BSR, R Canvasback, R Wood Duck, R Crystal Cir., Site on L

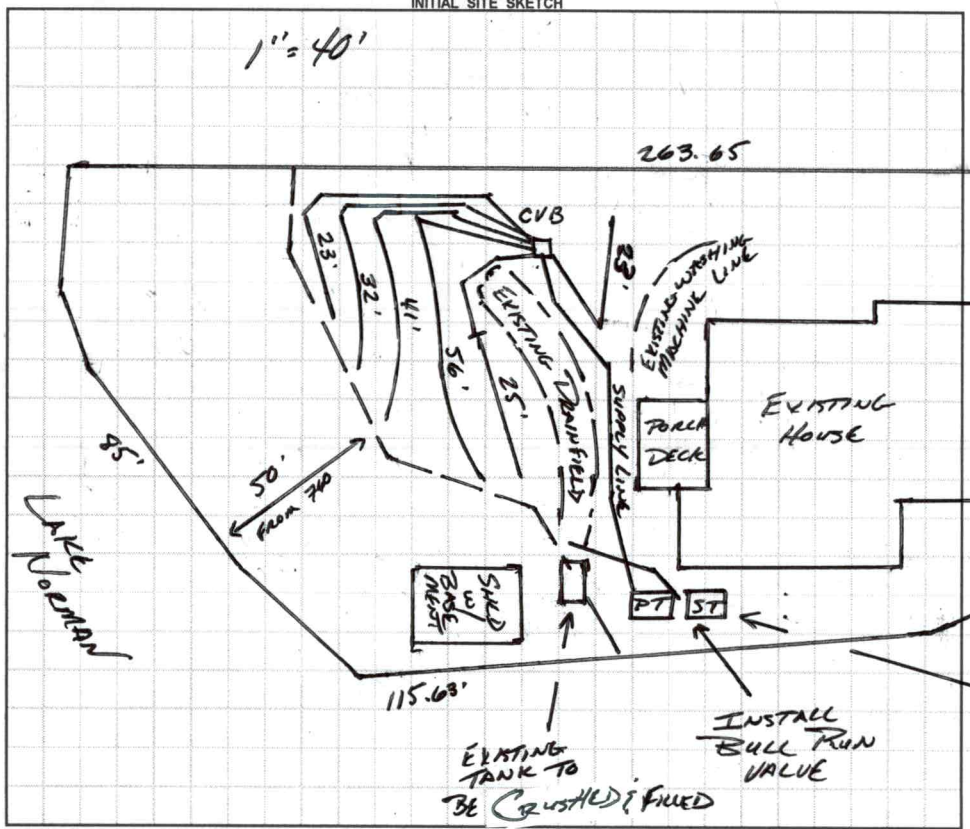
SUBDIVISION: Crystal Bay SECTION: LOT # 34 LOT AREA: .55 acre DESIGN FLOW: 360 GPD L.T.A.R.: .3

Septic Tank	1000 (gal)	STB	Date	☐ New System	☒ Repair	☐ Expansion	System Type: I II III (IV) V VI	☒ Residence	No. Bedrooms 3
Pump Tank	1000 (gal)	PT	Date	System Description:	UP-PPTSPS			☐ Business	No. Persons 6
Pump Make		Model	Serial #	Repair System Description:	Existing Conventional			☐ Other	No. Employees
# Nitrification Fields	1	# Lines	6 + Existing Linear Ft: 200'	Maintenance Agreement Required:	☒ YES	☐ NO		☐ Slab	☒ Crawl Space
Trench Width	24"	Max. Trench Bottom Depth*	30"-36"* Gravel Depth N/A		☐ GRAVITY	☒ PRESSURE		☐ Basement w/plumbing	☐ Basement w/o plumbing

Water Supply: ☒ Private ☐ Public ☐ Community

Comments / Conditions: Crush & Fill Existing Septic Tank. Install New Septic Tank & Pump Tank with a Bull Run Valve Between Tanks To Switch Between New UPPRPS System And Existing Conventional. If any of Existing Conventional is inside 50' Lake Buffer, it is to be Excavated/Earth & Dam until Removed From Buffer, Then Supply Line from Bull Run Hooked Back into Drainfield. New Drainfield can be 5' from Property Line *if* 20' from any Neighboring System.

INITIAL SITE SKETCH



AS BUILT SKETCH

* As-built sketch attached *

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. **CONTACT A LOCATOR SERVICE PRIOR TO ANY EXCAVATION**

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

Owner / Applicant Signature: [signature] Date: 10/16/15 Installed by: Lentz Wastewater

IMPROVEMENT PERMIT by: [signature] Date: 10/15/15 OPERATION PERMIT by: Carla C. Nicks Date: 5-1-20

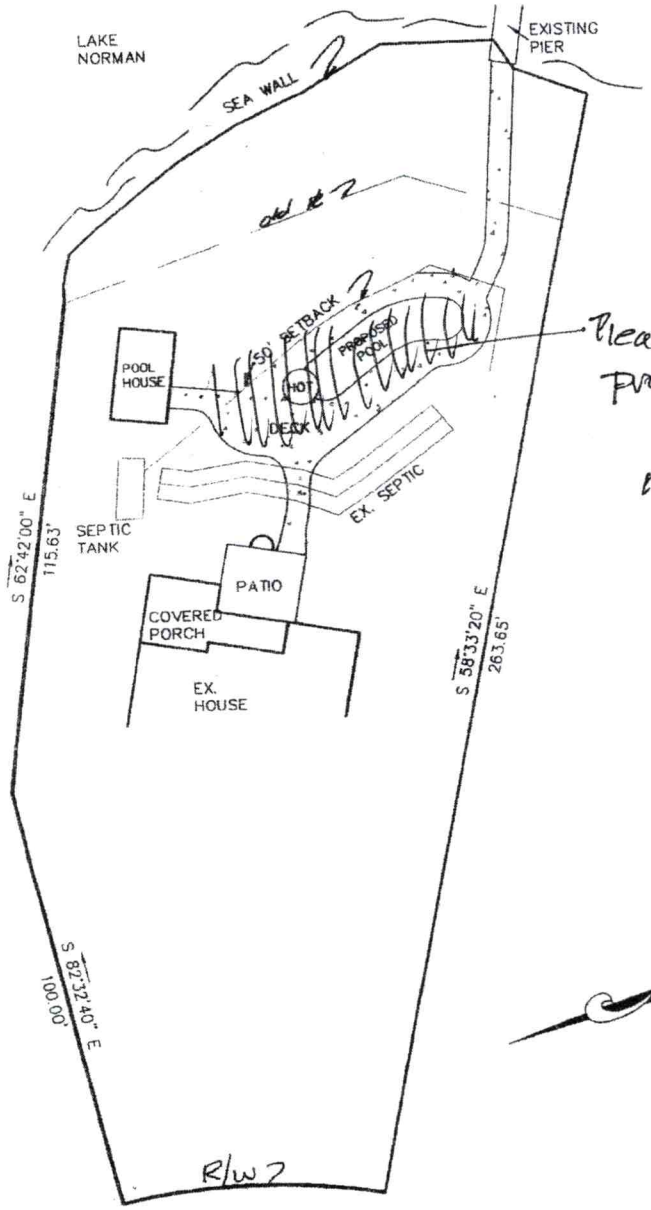
AUTHORIZATION TO CONSTRUCT by: [signature] Date: 10/15/15 Existing System Inspected by: Date:

Health Dept. Copy - WHITE Applicant (Final Approval) - YELLOW Applicant (Conditional Approval) - PINK

DAS DON ALLEN & ASSOCIATES, P. A.
"Since 1971"
Commercial * Residential * Mortgage Surveys * Multi-Family
Construction Staking * Subdivision Design * Topographical
(704) 664-7029 (704) 664-8041 Fax

I, certify that this map was drawn under my supervision from an actual survey made under my supervision recorded in deed book_____, page_____, and/or plat book_____, page_____, that the ratio of precision is 1':10,000, that this map was prepared in accordance with the General Statutes of North Carolina Chapter 89C. my hand and seal on the _____, day of _____, A.D. 20_____.

WILLIAM M. ALLEN, PLS



Please ignore proposed pool no pool & no pool planned.

PLOT PLAN SURVEY
OF
LOT 34 CRYSTAL BAY

SCALE 1" = 30'

ACQUIRED BY:

FIELD BOOK:
FILE:
DC FILE:
TAX MAP NO:

3/3

SOIL NOTES

5' off N/L

1 inch = 40 feet

1:480



D 28'
W 56'
B 41'
W 32'
B 23'
P 23'

dmwesselman@gmail.com

DENR/DEH

ON-SITE WASTEWATER SECTION

Sheet 1 of 3
PROPERTY ID #: 9564
COUNTY: IREDELL

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: D WESSELMAN
ADDRESS: 215 CRYSTAL CIRCLE
PROPOSED FACILITY: SFR/REPAIR
PROPOSED DESIGN FLOW (.1949): 360 GPD
LOCATION OF SITE: 215 CRYSTAL CIRCLE, MOORESVILLE NC
WATER SUPPLY: ☒ Private ☐ Public ☐ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☒ Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

APPLICATION DATE 9/24/15
DATE EVALUATED: 9/27/15
PROPERTY SIZE: .55 ACRE
PROPERTY RECORDED: 1965

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	OTHER PROFILE FACTORS .1943 SOIL DEPTH	OTHER PROFILE FACTORS .1956 SAPRO CLASS	OTHER PROFILE FACTORS .1944 RESTR HORIZ	PROFILE CLASS & LTAR
A 1	LL 5%	0-6	BSCL, SBK	GRAVEL W/SOIL	N/A	48"	C-M SAP INCL 30-48" MANG 0-24"	N/A	.275 0-24" .3 24-48"
		6-30	BRC, SBK	FR, SS, SP					
		30-48	BRCL, WSBK	" " "					
A 2	LL 8%	0-3	BSCL, SBK	FR, SS, SP	N/A	48"	F-C-M SAP INCL. 15-48"	N/A	.3
		3-15	BRC, SBK	FR, SS, SP					
		15-48	BRCL, WSBK	" " "					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)		PS
System Type(s)		APPROVED
Site LTAR		.3

OTHER FACTORS (.1946): —
SITE CLASSIFICATION (.1948): I-R
EVALUATED BY: SHANE CASHION
OTHER(S) PRESENT: DAVID WESSELMAN

COMMENTS: