IREDELL COUNTY HEALTH DEPARTMENT

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

IMPROVEMENT PERMIT / CERTIFICATE OF COMPLETION / OPERATION PERMIT / EXISTING SYSTEM INSPECTION

PROPERTY DESCRIPTION NO. 18883 DATE April 21, 95 TAX MAP NO. ~~2CA3~~ 4625-69-2189 Watershed: ☐ Yes ☐ No

OWNER OR CONTRACTOR Crescent Resources, Inc PHONE: ~~Business~~ Home

ADDRESS PO Box 1003, Charlotte NC

LOCATION Bradley Sch Rd. TR Bay Harbour TL LAKE Mist TL 2nd St to END

SUBDIVISION The Harbour BLOCK / SECTION 1 LOT 20 LOT AREA SITE CLASS. PS DESIGN FLOW 2260gpd L.T.A.R. .3

Septic Tank: 3000 Gallons; STB 7 Dellinger Date 1-14-95

Pump Tank: PER Attached Gallons; PT 142 Dellinger Date 3-9-95 3-7-95

Pump Make: Attached Model Serial No.

Nitrification Field: No Fields Square Feet Linear Feet

No Lines Trench Width Max Trench Bottom Depth Gravel Depth

☑ New System ☐ Repair System Type: I, II, III, IV, V, VI

System Description: pump/pm/multiple conv fields stone

Repair System Description:

Maintenance Agreement Required: ☑ Yes ☐ No

☐ House/Mod. Home No. Bedrooms

☐ Mobile Home No. Bathrooms

☐ Business No. Employees

☑ Other Rec facility/Pool

☑ Slab ☐ Crawl Space ☐ Basement w/plumbing ☐ Basement wo/plumbing

Water Supply:
☐ Individual
☑ Community
☐ Public

Comments: Engineer to provide written certification that final installation meets the specifications set forth in his plan. Furthermore "As built" drawings to be provided to this department.

Comments:

INITIAL SITE SKETCH

per Attached Engineered Plan

AS BUILT SKETCH

I understand that this 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 is valid for 60 months from date of issuance.

Signed: [signature]

Improvement Permit by: [signature], RS (Agent) date 4/21/95

Existing System Inspection by: date

Installed by: Ken Stratton / Ironhorse Grading

Certificate of Completion by: date

Operation Permit by: [signature], RS date 11-8-95

HEALTH DEPT. COPY: WHITE INSPECTION COPY (FINAL): GREEN OWNER COPY (FINAL): YELLOW INSPECTION COPY (INITIAL): PINK OWNER COPY (INITIAL): GOLD



DESIGN FL
558 9

(19) LTRO = 0.

FT CONV. T
620'

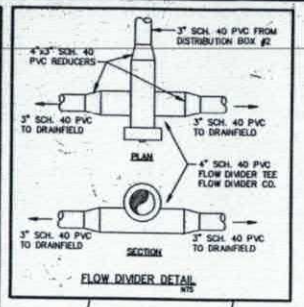
Prime = 7 • 90' =

REPAIR = 900' +
(INSTALLED + 1


LAKE MIST DRIVE
RESERVE
10 LINES AT 108
1080 L.F. TOTAL
22
800
790
YELLOW
BLUE
ORANGE
WHITE
RED
804.45
803.70
802.60
801.60
800.90
799.80
799.0
798.05
797.30
796.15
793.50
792.70
791.80
790.95
108'
AREA
EACH

DRAINFIELD NOTES:

1. ALL PERFORATED LINES SHALL BE MINIMUM LENGTH AS SHOWN.
2. RESERVE AREAS SHALL REMAIN NATURAL AND UNDISTURBED. PROPOSED FIELD AREAS SHALL BE CLEARED AND DEBRIS DISPOSED OF IN ACCORDANCE WITH APPLICABLE LOCAL AND STATE REGULATIONS. TREES AND UNDERGROWTH SHALL BE REMOVED AND GROUND SURFACE LEFT UNIFORM. CONTRACTOR SHALL TAKE CARE TO MINIMIZE DISTURBANCE TO NATURAL SOILS. CLEARING ACTIVITIES SHALL NOT BE ALLOWED UNTIL THE THIRD DAY AFTER A SIGNIFICANT RAINFALL EVENT (i.e. GREATER THAN 1/3 in./24 hrs.) ALL CONSTRUCTION ACTIVITY SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE REGULATIONS OF THE N.C. SEDIMENTATION CONTROL COMMISION. DRAINFIELD CONTRACTOR SHALL NOT COMMENCE WORK UNTIL EROSION CONTROL DEVICES HAVE BEEN INSTALLED BY SITE GRADING CONTRACTOR.
3. SEE SPECIFICATIONS FOR SEEDING REQUIREMENTS.
4. GRAVEL FOR DRAINFIELD TRENCHES SHALL BE STOCKPILED IN THE AREA OF THE PROPOSED PARKING LOT - NOT ON THE FIELD AREAS.
5. THE LOCATION FOR THE PROPOSED SEPTIC TANK, PUMP TANK, AND DRAINFIELDS SHALL BE FIELD STAKED AND INSPECTED BY THE ENGINEER PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CONTACT THE IREDELL COUNTY HEALTH DEPARTMENT FOR A LOCATION VERIFICATION PRIOR TO CONSTRUCTION.
6. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE REQUIREMENT FOR A FINAL CERTIFICATION BY THE ENGINEER FOR COMPLETION. ALL WORK SHALL BE SUBJECT TO INSPECTION BY THE ENGINEER AND REGULATORY REPRESENTATIVES AT ALL TIMES. INSPECTION OF ALL COMPONENT INSTALLATION IS REQUIRED PRIOR TO BACKFILLING.
7. CONTRACTOR SHALL INSTALL SILT FENCING OR OTHER DEVICES AS NECESSARY OR AS REQUIRED BY THE IREDELL COUNTY EROSION CONTROL INSPECTOR.
8. ACTUAL FIELD LINE LOCATION BY RAY WAUGH AND TONEY JACOBS.
9. TENNIS COURTS, POOL, CLUBHOUSE, AND PARKING SHOWN FOR REFERENCE ONLY. THESE PLANS DO NOT COVER CONSTRUCTION OF THESE AREAS. LOCATION OF THESE FEATURES MAY VARY DEPENDING ON FINAL CONSTRUCTION PLANS BUT MAY NOT INFRINGE ON THE DRAINFIELD AREA.
10. DRAINFIELD DENUDED AREA = 0.54 AC
11. CONTRACTOR SHALL MAINTAIN POSITIVE SLOPE ON PUMP LINE FROM PUMP TANK TO DISTRIBUTION BOX.



FLOW DIVIDER DETAIL
NTS

DISTRIBUTION BOX #1 - DRAINFIELD #1
12 TOTAL TAPS - 1/2" SCH. 80 PVC (TAPS)
6" SCH. 80 PVC MANIFOLD
FLOW REQUIREMENT = 66 GPM AT 2 FT OF HEAD
TOTAL LINE LENGTH = 1296 L.F.

LAKE MIST DRIVE

RESERVE FIELD AREA
10 LINES AT 108 L.F. EACH
1080 L.F. TOTAL

25' SETBACK

RESERVE FIELD AREA
3 LINES AT 108 L.F. EACH
324 L.F. TOTAL

3" PVC SCH. 40 SUPPLY LINE TO DISTRIBUTION BOX #1

BAY PORT LANE

35' SETBACK

RESERVE FIELD AREA
5 LINES AT 108 L.F. EACH
540 L.F. TOTAL

LAKE NORMAN

AMENITY AREA
TENNIS COURTS

PARKING

N-VALVE CONFIGURATION SEE DETAIL THIS SHEET

CABANA

POOL

3" PVC SCH. 40 SUPPLY LINE

4" SCH. 40 PVC FLOW DIVIDER SEE DETAIL THIS SHEET

35' SETBACK

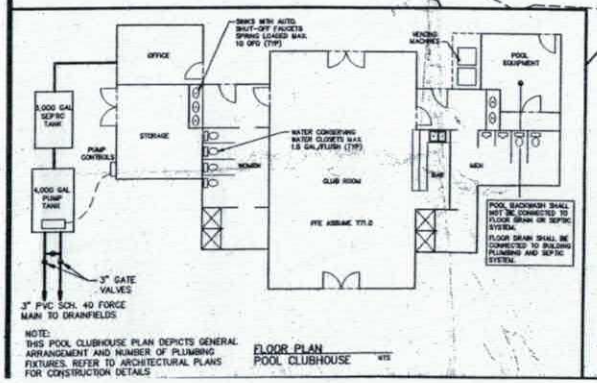
SEPTIC TANK
VOLUME = 3,000 GAL.

PARKING

DISTRIBUTION BOX #2 - DRAINFIELD #2
14 TOTAL TAPS - 1/2" SCH. 80 PVC (TAPS)
6" SCH. 80 PVC MANIFOLD
FLOW REQUIREMENT = 77 GPM AT 2 FT OF HEAD
TOTAL LINE LENGTH = 1295 L.F.

PUMP TANK
VOLUME = 4,000 GAL.

PROPERTY LINE



NOTE:
THIS POOL CLUBHOUSE PLAN DEPICTS GENERAL ARRANGEMENT AND NUMBER OF PLUMBING FIXTURES. REFER TO ARCHITECTURAL PLANS FOR CONSTRUCTION DETAILS

FLOOR PLAN
POOL CLUBHOUSE
NTS

RESERVE FIELD AREA
620 L.F. TOTAL LINE LENGTH

TOPOGRAPHIC INFORMATION PROVIDED BY CRESCENT RESOURCES, INC. CONTRACTOR SHALL VERIFY ALL SURVEY DATA, INCLUDING TOPOGRAPHIC SURVEY, AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION

1	4/1/95	REVISIONS

SITE PLAN

JOB NO.	75100
SCALE	1"=40'
DATE	MARCH 1995
DRAWN BY	SMB
CHECKED BY	RRW

THE HARBOUR RECREATIONAL AREA
CRESCENT RESOURCES IREDELL COUNTY, N.C.

Land Design
ENGINEERING SERVICES INC.
ONE BRANCH DRIVE SUITE 14-C
(704) 896-2394 FAX (704) 896-1084

2 5

EPARTMENT OF ENVIRONMENT,
EALTH, & NATURAL RESOURCES
IVISION OF ENVIRONMENTAL HEALTH

SHEET ___ OF ___
PROPERTY I.D.#: ___
PROPERTY RECORDED: ___
COUNTY: ___

SOIL/SITE EVALUATION
FOR
ON-SITE WASTEWATER SYSTEM

PPLICANT: CRI OWNER: AGENT: PHONE: ___
DDRESS: ___ APPLICATION DATE: ___ DATE EVALUATED: 1-11-95
PROPOSED FACILITY: 2900 gpd bathhouse/amenity area
PROPERTY SIZE: ___
OCATION OF SITE: The Hatteras Dunes Area
'ATER SUPPLY: On-Site Well ___ Comm. Well ___ Public ___ Other ___ EVAL. METHOD: Auger Boring ___ Pit ___ Cut ___

PROFILE #	.1940 LANDSCP POS. (%)	HORIZON DEPTH (IN.)	.1941 STRUCTURE/TEXTURE	.1941 MINERALOGY/ CONSISTENCE	.1942 WETNESS COND.	.1944 RESTRICT HORIZONS	.1948 CLASS OF HORIZ	1943/ 1956 SAPRLT CLASS.	HORIZON LTAR
1		0-5	gr-scl	1:1 / wet stain					
		5-11	br-sl	1:1 / v-fr					
		11-15	wk sbk / cl	1:1 / vfi-s / compacted					.3
		15-48	wk sbk / sth cl	1:1 / fr-fi					
2		0-13	1:1 scl						
		13-34	1:1 c	SBK					
		34-44	1:1 cl	SBK					
		44-54	1:1 cl	vwk SBK					.3
chaine 3 ine		0-17	scl	1:1					
		17-26	c SSAB	1					
		28-38	cl SAB						.3
		38-54+	cl vwSAB	1:1					
4									
5									

AILABLE SPACE (.1945) ___ SITE CLASSIFICATION (.1948): ___ SITE LONG-TERM ACCEPTANCE RATE: ___
ALUATED BY: ___ OTHER(S) PRESENT: ___
OMMENTS: ___