FAST TRACK
GRAVITY 25% REDUCTION SEPTIC SYSTEM
FOR
SUBSURFACE WASTEWATER DISPOSAL
155 BRAWLEY HARBOR PLACE
MOORESVILLE NC 28117

Prepared for
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August 6, 2014

Copy: Gene Young, REHS
Iredell County Health Dept.
Mooresville, NC 28115
336-608-9206

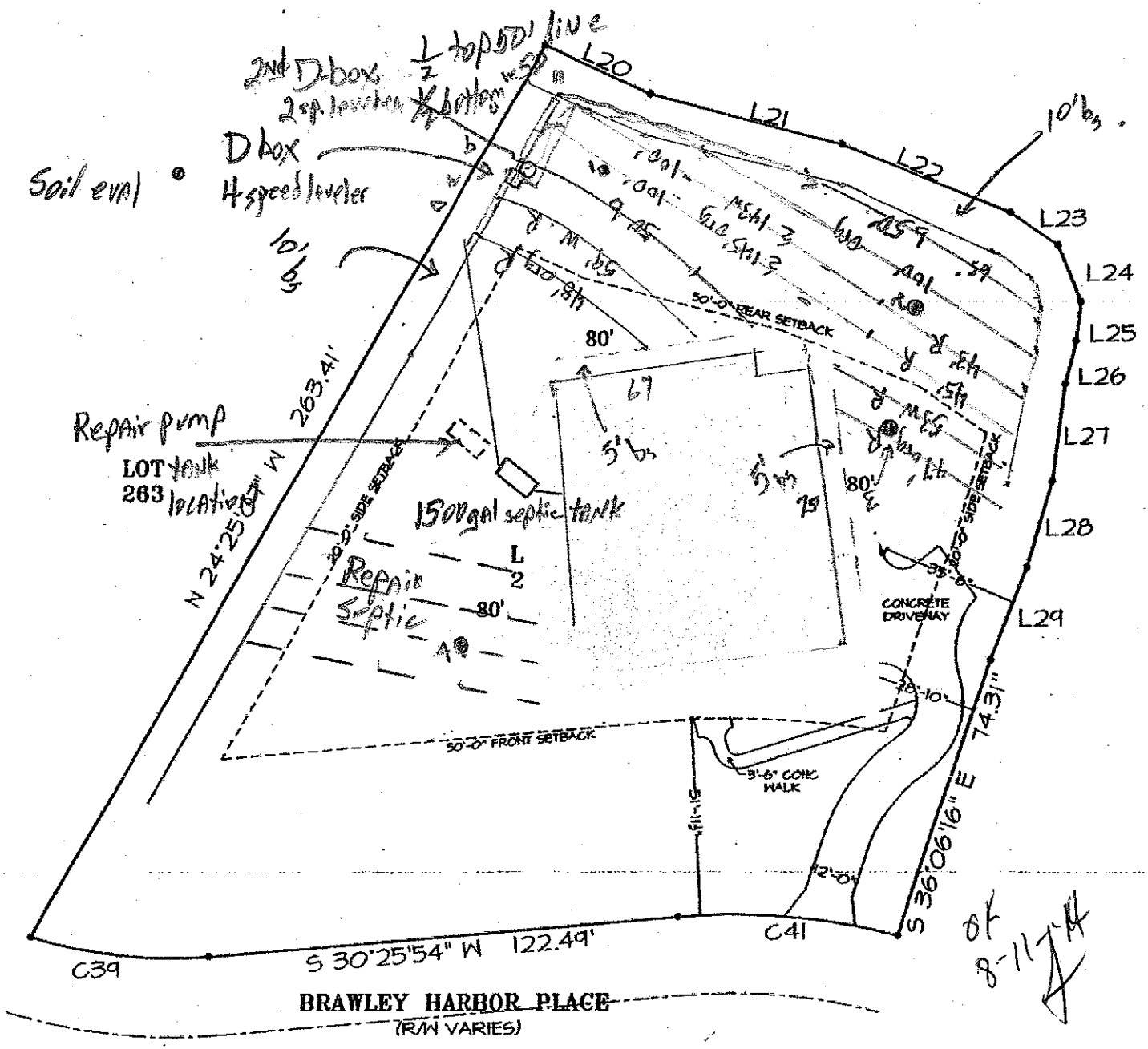
Toney C. Jacobs, LSS

DESIGN SPECIFICATIONS
155 Brawley Harbor Place

Daily design flow:	480 gpd
Number of bedrooms:	4 bedroom
Foundation:	crawl space
Septic tank size:	1500 gal – as per subdivision Rule
Primary system loading rate:	0.3 gpd/ft^2
Primary system:	gravity 25% reduction
Number and length of laterals:	3 @ 100' and 2 @50' (4 hole D-box, all set equal) Second d-box (2 hole) to equally divide each of the 50' lines
Line depth:	24-30 inches with 30" high side maximum
Total ft. of primary system:	400 ft.
Dosing:	approved D-box, each line equally dosed (verify products with Tri-County before installation)
Repair system loading rate:	0.3 gpd/ft^2
Repair system:	LPPPBPS
Number and length of laterals	6 @varying lengths – 47', 53', 48', 59' 45', 43' plus evaluated extra area as shown on site plan
Total ft. of repair:	approximately 295' laid out plus other area as shown on site plan

OK
8-11-14

Arthur Rutenberg Homes



LINE DATA:		
LINE	LENGTH	CHORD BRNG
L20	30.16'	N 59°45'56" E
L21	51.48'	N 44°56'14" E
L22	46.75'	N 58°34'08" E
L23	14.98'	N 64°07'05" E
L24	15.82'	S 16°51'11" E
L25	10.07'	S 48°15'01" E
L26	11.08'	S 34°30'58" E
L27	24.98'	S 41°55'55" E
L28	22.91'	S 38°29'10" E
L29	25.19'	S 52°42'54" E

CURVE DATA:					
CURVE	RADIUS	LENGTH	CHORD	DELTA	CHORD BRNG
C39	121.22'	47.16'	46.89'	21°41'11"	S 41°33'18" W
C41	170.00'	51.15'	50.98'	17°15'36"	S 40°03'42" W

LOT AREAS:		
HOUSE	4,952	SQ. FT.
DRIVEWAY (TO PROPERTY LINE)	1,886	SQ. FT.
WALKWAY	256	SQ. FT.
CONCRETE PAD, PLANTERS, WALLS	N/A	SQ. FT.
PERVIOUS	32,953	SQ. FT.
TOTAL	39,841	SQ. FT.

SCALE: 1" = 40'

Note: Plan information is conceptual only. Certain items may be changed at production stage. Clouded areas modified to accommodate change requests.

Franchise:	#98 Bluefield Builders, LLC
File # :	Goodwin-LF-A 1221F-R-01-2S/1F- "B"
Drawn By:	MDF
Date:	July 30, 2014

A Custom Residence for:

Mr. and Mrs. Goodwin

The Point, Phase 2, Lot 262

On-site Wastewater Section

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Lot #:
File #:
AppID:

Owner: Bill Goodwin
Address: 156 Boundary Harbor Pl Pt I
Proposed Facility: SF Design Flow (.1949) 460
Location of Site:

Applicant:
Date Evaluated: 6/4/14
Property Size:
Property Recorded:

Water Supply: [ ] Public [ ] Individual [ ] Well [ ] Spring [ ] Other
Evaluation Method: [ ] Auger Boring [ ] Pit [ ] Cut
Type of Wastewater: [ ] Sewage [ ] Industrial Process [ ] Mixed

PROFILE #	1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY 1941 Structure/ Texture	1941 Consistence Mineralogy	b PROFILE FACTORS 1942 Soil Wetness/ Color	1943 Soil Depth (IN.)	1956 Sapro Class	1944 Restr Horiz	Profile Class & LTAR
1	LS ~7%	0-7	g sl	fri NSNP 1:1	NA	P3	P3	NA	0.3
		7-24	cmsbk c	fri SS SP loop 1:1					
		24-43	wsbk cl	fri SS SP 1:1					
		43-48	g scl/cl	fri SS NS NP 1:1					
2	LS ~9%	0-5	g sl	fri NSNP 1:1	NA	P3	P3	NA	0.3
		5-34	mmsbk c	fri SS SP loop "					
		34-43	wsbk cl	fri SS SP "					
		43-58	g l/sl/sap	fri SS NS NP 1:1					
3	LS 7% ~3%	0-11	g sl	fri NSNP 1:1	1 NA 1	P3	P3	NA	0.3
		11-45	mw sbk cl	fri SS SP loop "					
		45-48	g sl/sap	fri SS NS NP "					
4	LS 6-8%	0-3	g sl	fri NSNP 1:1	NA	P3	P3	NA	0.3
		3-15	mw sbk cl	fri SS SP loop "					
		15-	g sl/sap	fri SS NS NP "					

Description	Initial System	Repair System
Available Space (.1945)	25% rec	100% PPPBPS
System Type(s)	1	1
Site LTAR	0.3	0.3

Other Factors (.1946):
Soil Evaluation By: James E. Jacobs
Others Present:
Site Classification (.1948): PP
Site Evaluation By:
Others Present:

LICENSED SOIL SCIENTIST JAMES E. JACOBS 1068 STATE OF NORTH CAROLINA

8-11-14