OWNER INFORMATION

Owner:	Jason Slagle
Address:	840 Edmiston Rd Mt. Ulla, NC 28125
Phone:	704-400-6472
County:	Iredell
Location:	TUSKARORA TRAIL, BALMORAL PARK LOT 3
Source of Wastewater Flow:	4 Bedroom Single Family Residence
Estimated Gallons Per Day Flow:	480
System Flow:	NA

25% GRAVITY DESIGN INFORMATION

Drainfield Design Flow (gpd):	403
Loading/Soil Application Rate (gpd/ft.^{2}):	0.30
Depth of Gravel in Trench:	NA (25% reduction)
Gravel Size:	NA (25% reduction)
Total Lateral Length From Layout:	403
Total Lateral Length Required:	400
Trench Depth:	36 in.
Trench Width:	36 in.
TOTAL AREA TRENCH BOTTOM:	1209
Septic Tank Size:	1000
Estimated Supply Line Length:	90
Supply Line Diameter:	3 in. SCH 40 PVC
Supply Line Volume:	32.40
Dosing Volume:	NA
Supply Manifold:	SERIAL DISTRIBUTION
Additional Comments:	Soil suitability was performed by Adrian L. Pruett LSS

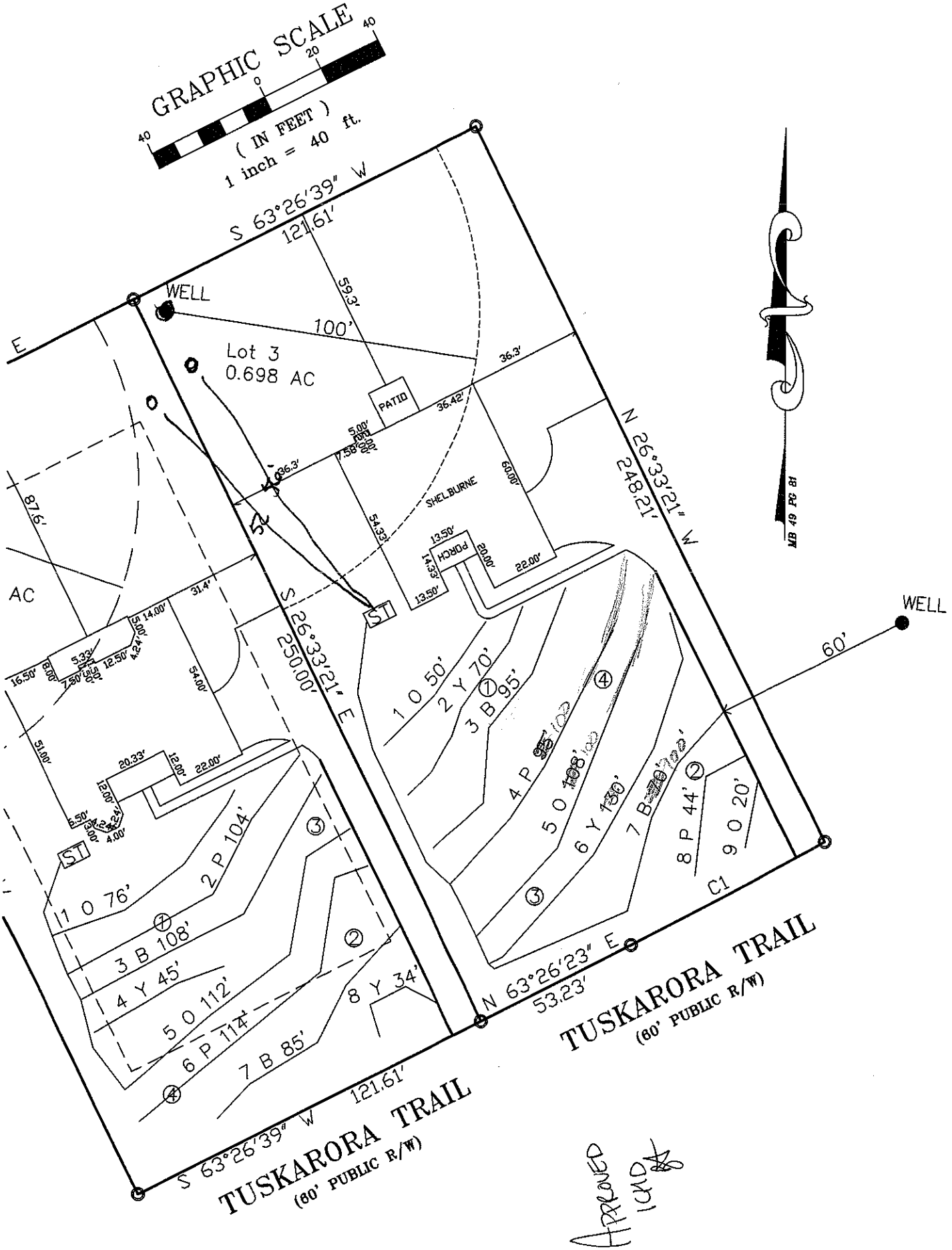
TUSKARORA TRAIL, BALMORAL PARK LOT 3
FIELD LAYOUT SPECIFICATIONS

LAYOUT FOR 4 BEDROOM RESIDENCE — August 22, 2012

LINE #	FLAG COLOR	FS	ELEVATION	FLAGGED LINE LENGTH	DESIGN LINE LENGTH
TBM			NA		
HOUSE CRN		NA	NA		
P. TANK		NA	NA		
1	ORANGE	NA	NA	50	50
2	YELLOW	NA	NA	80	70
3	BLUE	NA	NA	95	95
4	***PINK***	***NA***	***NA***	***95***	***95***
5	***ORANGE***	***NA***	***NA***	***108***	***108***
6	***YELLOW***	***NA***	***NA***	***130***	***130***
7	***BLUE***	***NA***	***NA***	***70***	***70***
8	PINK	NA	NA	44	44
9	ORANGE	NA	NA	20	20
			Total	**692**	**682**

	LINE LENGTH	SYSTEM TYPE	SOIL LTAR GPD/FT^2	TRENCH SYSTEM	DISTRIBUTION
System	***403***	***ACCEPT.***	***0.30***	***25% RED.***	***GRAVITY***
Repair	279	*MOD.*	0.30	PPBPS	LOW PRESSURE

Notes:
** TBM Is Not Required.
**All measures in feet
**Nitrification lines are demonstrated on contour via colored pin flags


GRAPHIC SCALE
40 0 20 40
(IN FEET)
1 inch = 40 ft.
S 63°26'39" W
121.61'
WELL
100'
59.3'
Lot 3
0.698 AC
PATIO
36.42'
36.3'
5.00'
7.58'
SHELBURNE
60.00'
54.33'
PORCH
13.50'
14.33'
20.00'
22.00'
N 26°33'21" W
248.21'
S 26°33'21" E
250.00'
87.6'
AC
31.4'
54.00'
51.00'
16.50'
8.00'
5.32'
7.50'
12.50'
4.24'
20.33'
12.00'
4.00'
8.50'
ST
1 O 76'
2 P 104'
3 B 108'
4 Y 45'
5 O 112'
6 P 114'
7 B 85'
8 Y 34'
1 O 50'
2 Y 70'
3 B 95'
4 P 95'
5 O 108'
6 Y 130'
7 B 78'
8 P 44'
9 O 20'
C1
WELL
60'
N 63°26'23" E
53.23'
TUSKARORA TRAIL
(60' PUBLIC R/W)
S 63°26'39" W
121.61'
TUSKARORA TRAIL
(60' PUBLIC R/W)
APPROVED
ICMD

DOSING CALCULATIONS

Location BALMORAL PARK

Lot No: Lot 3

No. of Bedrooms	4
Design Flow	480 $^{gal}/_{day}$
LTAR	0.30 $^{gal}/_{ft^2\ day}$
25% RED. Expansion? (YES OR NO)	YES
Supply Line Length	90 ft.
Supply Line Volume	32.4 gal.
Required Feet of 25% RED. Line	400 ft.
Amount of Line from Layout	403 ft.
Gallons per Minute	NA $^{gal}/_{min}$
Septic Tank Capacity	1000 gal.
Minimum Septic Tank Capacity	1000
Lateral Line Volume	263.159 gal.