APPROVED JUN 12 2014

ALP

6-9-14

The Point 523 Relayout
For Kenneth Bealer Homes

* Site Plan must accompany same written request dated 6-9-14 to Kenneth Bealer Homes

COLOR LEGEND

= House and Drive

= Tanks & Primary Drainfield

= Repair Drainfield

= Possible Additional Repair

PRELIMINARY PLAT
FOR RECORDATION,
SALES, OR SALES.

1"=40'

CURVE TABLE

NUM	DELTA	ARC	RADIUS	BEARING	DIST
C1	3°21'43"	22.56'	385.00'	S87°31'03"W	

LINE TABLE

NUM	BEARING	DISTANCE
L1	N23°28'10"E	56.54'
L2	N20°49'22"W	71.73'
L3	N31°36'38"W	18.84'
L4	N33°16'04"W	15.58'
L5	N64°31'47"E	36.61'
L6	S52°07'16"E	30.46'
L7	S88°41'03"E	25.62'
L8	S34°26'09"E	8.84'

Install pipe to divert run off from Mr. Plumbing 522 and Mosher land

Require-ments

320' P.U. Road Diversion

Proposed Septic & Pump Tanks

524
NOW OR FORMERLY
BLAIR
D.B. 2118-1205
P.B. 58-110

522
NOW OR FORMERLY
MOSHER
D.B. 1366-1470
P.B. 33-97

523

BRICK KILN WAY
50' PUBLIC R/W

Fill Drain to top of drain is >15' from system. Fill Drain and Grade Lot near left Property Line to divert runoff from tanks.

New House and Repair Area Additional Repair Area

The Point Lot 523 Fast Track System Proposal (June 9, 2014)

Kenneth Bealer Homes Revision	
Number of Bedrooms	4
Basement or Crawl	**Basement/Slab Garage**
Design Flow (gpd)	480
LTAR (gpd/ft2)	0.25-0.3
Primary System Type	**LP PPBPS**
No. Lines	4 endfed (See Table)
Total Linear Feet	320
Trench Width	3' min.
Trench Spacing	9' min.
Pump Required	Yes
Distribution Device	Gate Valve Box w/ LPP Distribution
Maintenance Agreement Required	Yes
Length and Diameter of Supply Pipe	approx. 90' of 2 " SCH 40 PVC
Size of laterals	1 1/4" SCH 40 PVC
Flow Rate through the system	37.5 gpm
Elevation head	Approx. 17'
Pressure head	3.0'
Friction head	approx. 4'
20% Contingency	4.8'
Total Head	28.8'
Pump Requirements	37.5 gpm @ 29' of head To be verified by installer and ICHD.
Maximum Dosing Volume	*270 gallons max
Volume of water pumped per dose	Calculated to specific tank by measure or dealer engineering specifications (1 cubic ft. of water equals 7.48 gal.)
Pump Run per dose	approx. 7.2 min.
Check Valve	yes
Siphon Break hole	no
Repair System	**LP PPBPS**
Total Linear Feet	340+ shown (320 required)
Repair LTAR	0.25 - 0.3

***Before placement of cap block, one panel on each line near the center of the field should be observed filling to make certain that it does not overflow top chamber into air chambers of panel. If overflow occurs, reduce floats by 25 gallons and reset until no overflow is observed.**
Note: The ICHD has requested the valve box at the upper line on similar systems and endfed distribution.

Table 1: The Point Lot 523 Fast Track Summary of Primary Line Proposal

Line No.	Use	Line Color	System Type	Line Length (Ft.)	Elev. (Ft.)	Panels	Holes	Hole Spacing	Hole Size (In.)
1	System	pink	LPPPBPS	80	778.8	19	19	1 per panel	5/32"
2	System	red	LPPPBPS	80	777.5	19	19	1 per panel	5/32"
3	System	blue	LPPPBPS	85	776.4	20	20	1 per panel	5/32"
4	System	pink	LPPPBPS	75	775.3	17	17	1 per panel	5/32"
						Total: 75	Total:75 (1 in each panel turned up)		
				Total System: 320'					

Total Repair: 340'+ shown (320 required)

Tank		1500 gal (2 compartment)	
Pump Tank		1500 gal.	770.7
House	(FR)		770.5

Note: **Installer and ICHD shall verify all line locations, tank locations, and elevations prior to installation.**
System is to be installed according to any other ICHD requirements or policies.
These specifications are to satisfy the ICHD Fast Track LSS checklist and are not intended to represent an Engineered System Design.
Use trench depth on ICHD IP.

DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH, ENVIRONMENTAL HEALTH SECTION
ON-SITE WATER PROTECTION BRANCH

Sheet ___ *of* ___
PROPERTY ID #: _____
COUNTY: _____

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM
(Complete all fields in full)

OWNER/APPLICANT: Kenneth Beaver Homes — APPLICATION DATE 6-9-14
ADDRESS: 135 — DATE EVALUATED: 6-16-14
PROPOSED FACILITY: House — PROPOSED DESIGN FLOW (.1949): 480 — PROPERTY SIZE: 1.016
LOCATION OF SITE: 130 Bridle Kiln — PROPERTY RECORDED: 1999?
WATER SUPPLY: ☐ Private ☒ Public ☐ Well ☐ Spring ☐ Other Community well
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	SOIL MORPHOLOGY (.1941) CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	L/H 2/5?	0-20	sl/ vgrk	fr SS/SS	red br matrix				PS .3
		20-32	C/ mfabk	f: Sp	red matrix, f quartz ind				
		32-48	C/ m SBK	fr SS/Sp	red, f sap ind, mica flakes				
					NO WETNESS	48"	ind	—	
2									
3									
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	T.J	T.J
Site LTAR	.25	.25

OTHER FACTORS (.1946): #
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: PSR – not LW
OTHER(S) PRESENT: reviewed and approved by JCHD

COMMENTS: LW From Previous Eval

Updated February 2014

APPROVED JUN 12 2014
ARP