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

Sheet 1 of 3
PROPERTY ID #: 5038
COUNTY: Iredell

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

OWNER: Lakeside Vista Partners — APPLICATION DATE: 5/27/16
ADDRESS: — DATE EVALUATED: 7/15/16
PROPOSED FACILITY: SFR — PROPOSED DESIGN FLOW (.1949): 480 GPD — PROPERTY SIZE: 0.57 Acres
LOCATION OF SITE: 121 Wylie Trl. Sal. NC — PROPERTY RECORDED: Yes
WATER SUPPLY: ☐ Private ☒ Public ☐ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☒ Auger Boring ☐ Pit ☐ Cut — TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

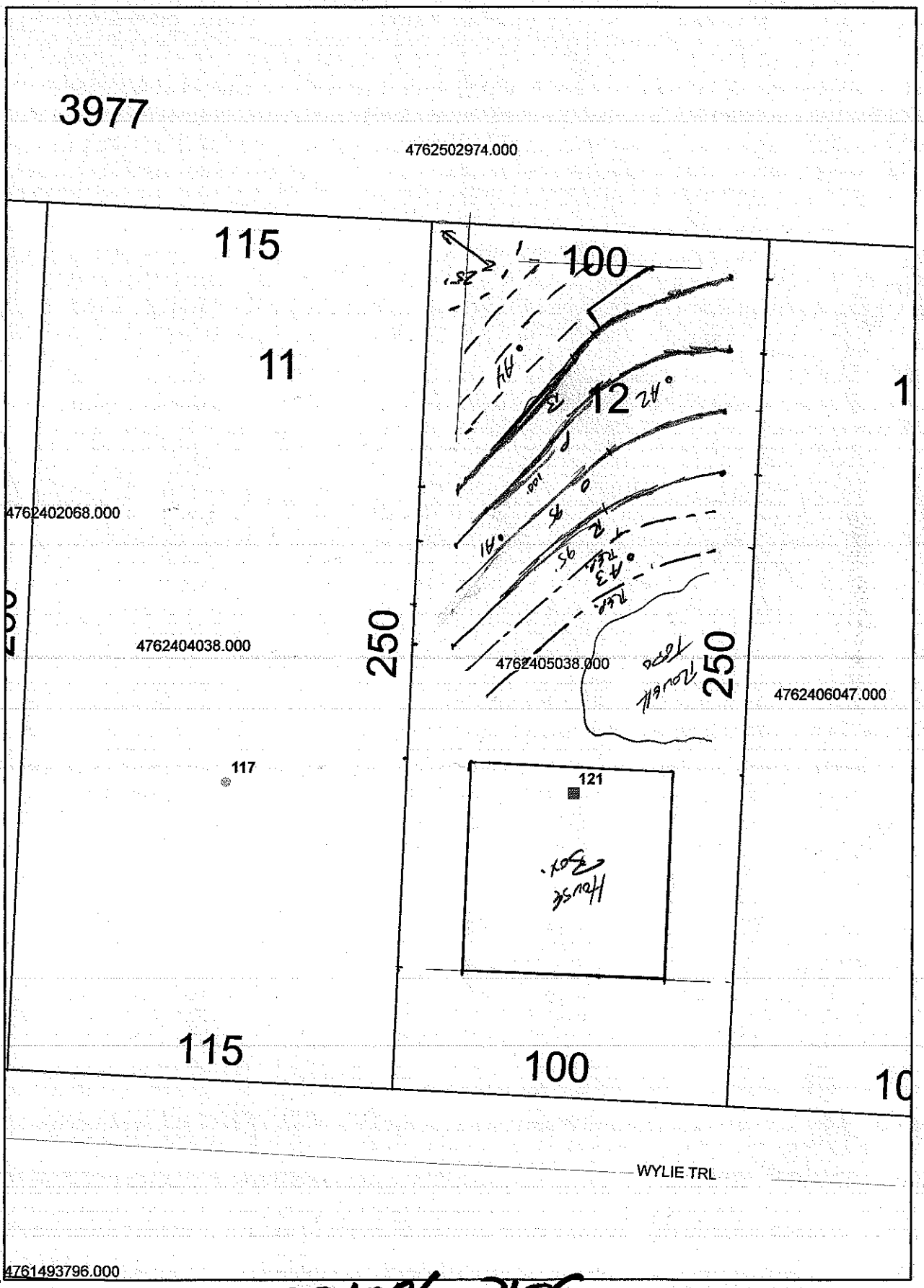
PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
A 1	LS 12%	0-6	BRCL, WSBK	FR, SS, SP	/	48"	F SAP INCL	/	.3
		6-32	RCL, SBK	" " "					
		32-48	RCL, SBK	" " "					
A 2	LS 10%	0-8	RSL, GR	VFR, SS, SP	/	48"	C-M SAP INCL 32"-48"	/	.3
		8-34	RCL, SBK	FR " "					
		34-48	RCL, WSBK	" " "					
A 3	LL 5%	0-6	BSL, GR	VFR, SS, SP	/	48"	C-M SAP INCL	/	.3
		6-34	RCL, SBK/MBK	" " "					
		34-48	RCL, SBK	FR, SS, SP					
A 4	LS 20%	0-6	BSL, GR	VFR, SS, SP	/	48"	C-M SAP INCL	/	.3
		6-24	RCL, SBK	FR, SS, SP					
		24-48	RCL, WSBK	" " "					

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

OTHER FACTORS (.1946): —
SITE CLASSIFICATION (.1948): TR
EVALUATED BY: SE
OTHER(S) PRESENT: Mike Blackmon

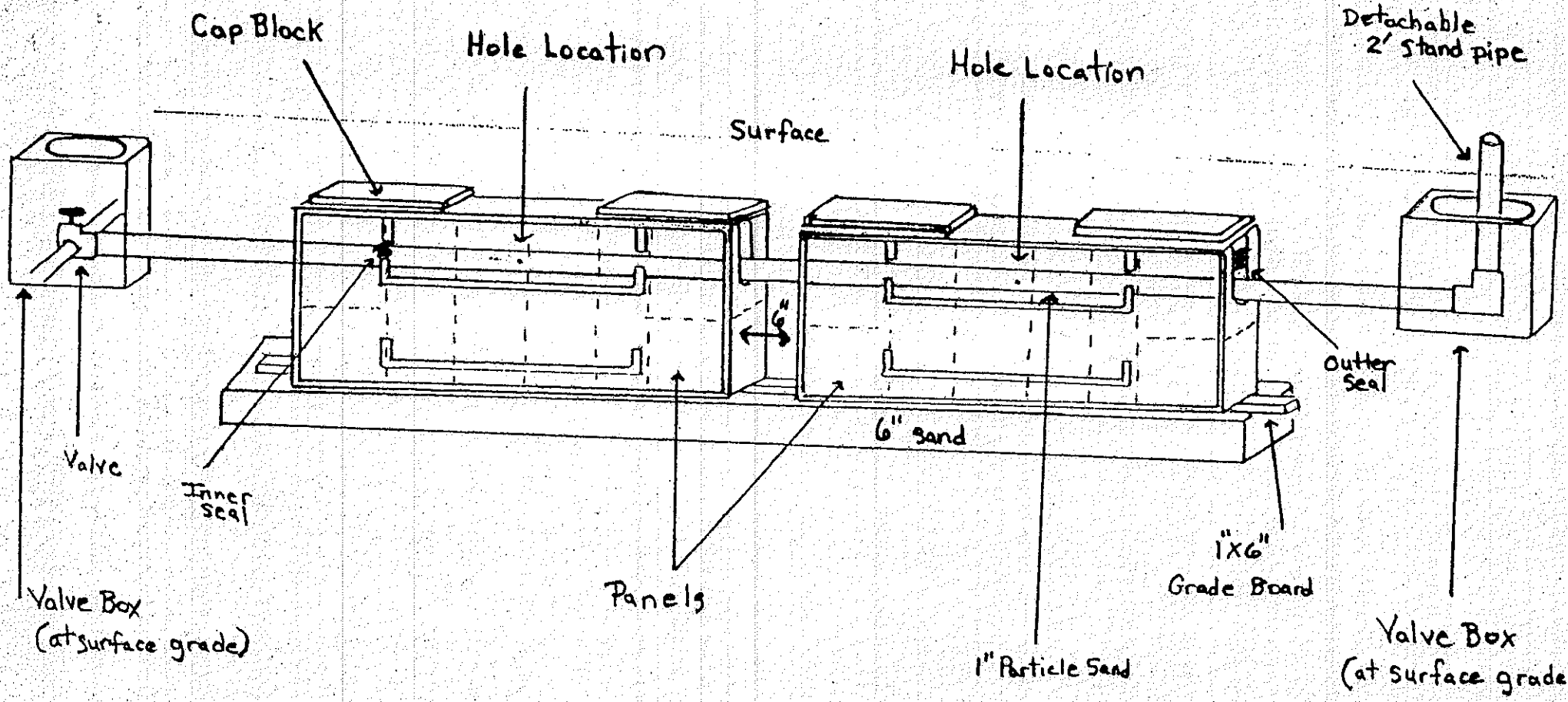
COMMENTS:

1 inch = 40 feet 1:480



Soil Notes

3/3

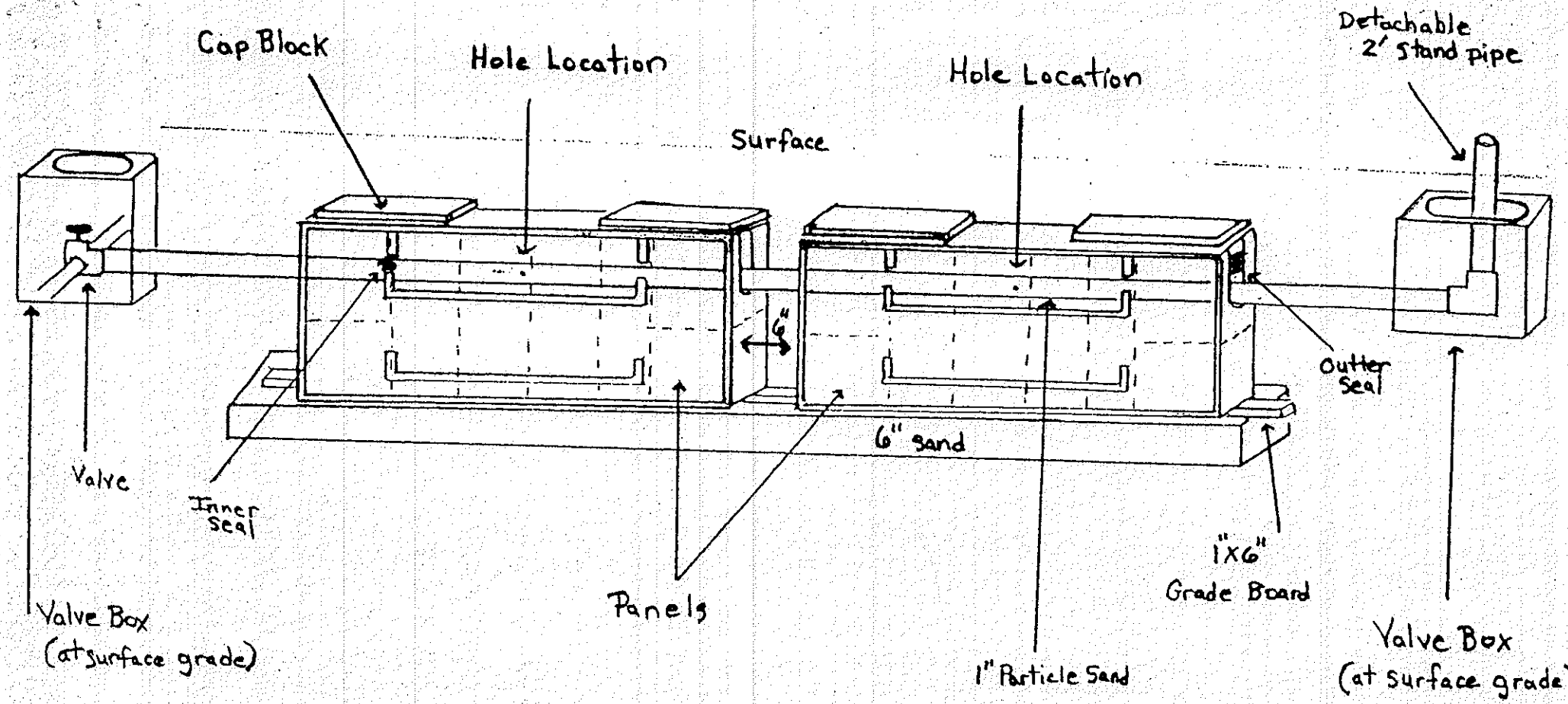


Pressure Dosed PPBPS

of panels 62.
Size holes 5/32. 1 hole per panel.
Approximate amount of sand needed 44.
100 lbs. of partical sand per 8 panels.
Sidewalls raked and limed.
GPM 44.
TDH 65

14717
47d59 655 1.12

Comments



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Approximate amount of sand needed 44.
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Sidewalls raked and limed.
GPM [redacted]. 44
TDH [redacted]. 65

14717
47659 6551.12

Comments

Pump Design Sheet **For:** **By:**

System Length (linear ft)	267	Total Flow (gpm)	43.20
# of 16in Panels	62		
# of Lines	5		
Hole Size (in) (5/32=.156 3/16=.118)	0.118	Friction Loss (ft) - Supply Line	2.46
Drainfield Pipe Size (in)	1.25	Friction Loss (ft) - Valve Box	4.00
Supply Line Size (in)	2	Friction Loss (ft) - Drain Lines	32.38
Supply Line Length (ft)	50		
Pressure Head (ft)	15	Friction Loss (ft) - Total	38.84
Elevation Head (ft)	2		
		Total Dynamic Head (ft)	64.34
Septic Tank Size (gal)	1000		

When choosing a pump for this system, you will need a pump that can deliver:

43.20 GPM against **64.34** FT of Total Dynamic Head

Dose Volume (gal)	221.82
Pump Run Time (min)	5.14
Tank Drawdown (in)	10.56