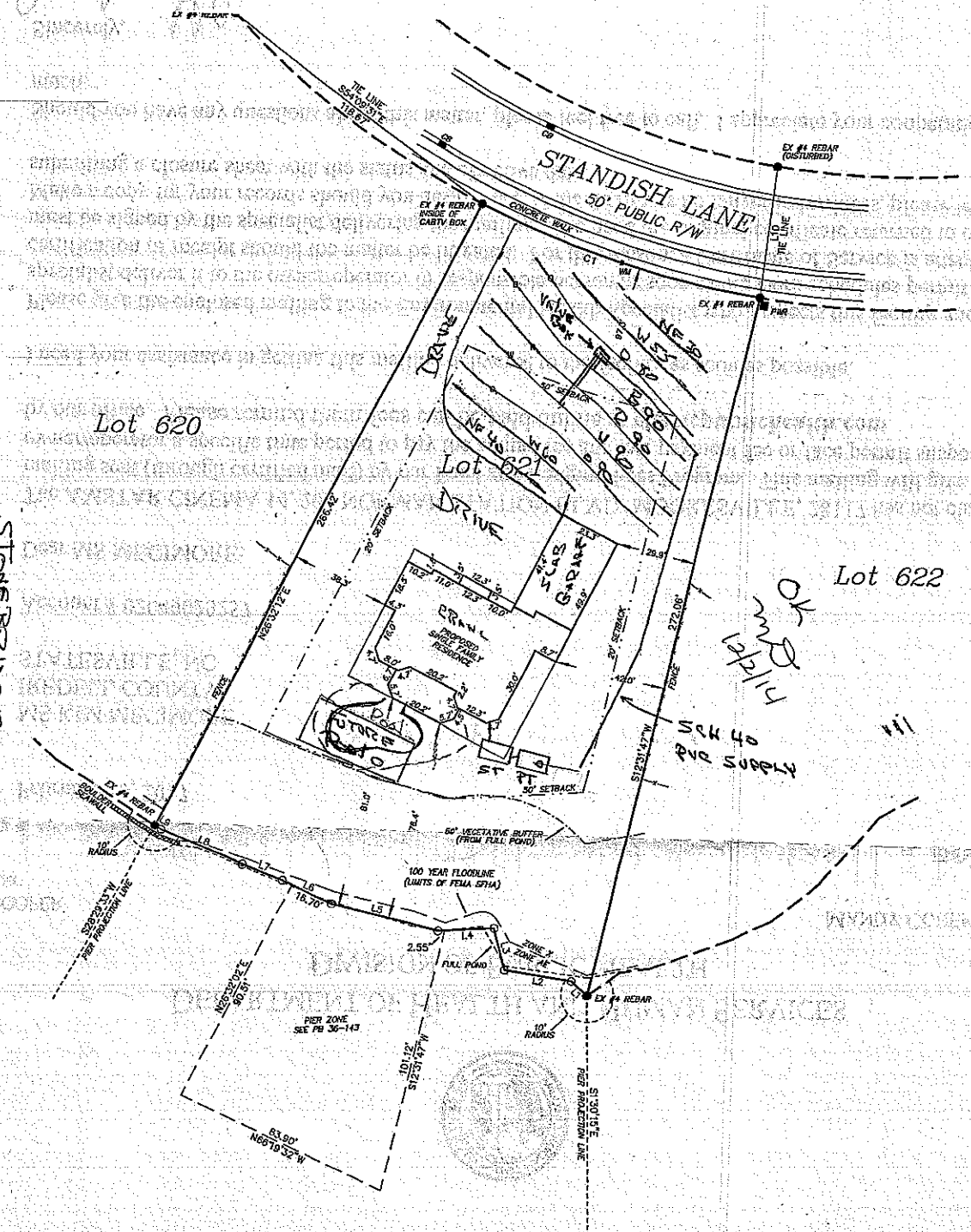


Stonebridge Curvy Home Site Project No 15AH-12-0548

* must accompany written request

OK mp 12/2/14

SCH 40 PVC SUPPLY

The Point Lot 621 Fast Track System Specifications

Number of Bedrooms	4
Basement or Crawl	**Crawl/Slab Garage**
Design Flow (gpd)	480
LTAR (gpd/ft2)	0.3
Primary System Type	**LP PPBPS**
No. Lines	3 centerfed (See Table)
Total Linear Feet	270
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. 200' of 2 " SCH 40 PVC
Size of laterals	1 1/4" SCH 40 PVC
Flow Rate through the system	30 gpm
Elevation head	Approx. 21'
Pressure head	3.0'
Friction head	approx. 5'
20% Contingency	5.8'
Total Head	34.8'
Pump Requirements	30 gpm @ 35' of head To be verified by installer and ICHD.
Maximum Dosing Volume	216 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	355 (267 required)
Repair LTAR	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.**

Table 1: The Point Lot 621 Fast Track Summary of Primary Line Specifications

Line No.	Use	Line Color	System Type	Line Length (Ft.)	Rod Reading (Ft.)	Panels	Holes	Hole Spacing	Hole Size (In.)
1	System	orange	LPPPBPS	90	5.1	20	20	1 per panel	5/32"
2	System	blue	LPPPBPS	90	5.8	20	20	1 per panel	5/32"
3	System	red	LPPPBPS	90	6.7	20	20	1 per panel	5/32"
						Total: 60	Total:60 (1 in each panel turned up)		

Total System: 270' (267 required)
Total Repair: 355' (267 required)

Tank		1500 gal (2 compartment)	
Pump Tank		1500 gal.	approx. 18
House	(FR)		8.8

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.

S&ME, INC.
SITE/SOIL EVALUATION

OK MP 12/2/14

Standard

Project No. _____ **Phone No.** _____ **Date:** 5-10-13

Location Pl. Lot 621 **Pin** _____ **County:** Iredell **Property Size** _____

Proposed Facility: 4 Bd **Water Supply:** On-Site Well ☐ Community ☒ Public ☒ **Evaluation:** Auger Boring ☒ Pit ☐ Cut ☐

Weather: WA rm, sunny **Antecedent Moisture** moist **Surface Water:** LJ

FACTORS	PROFILE 1	PROFILE 2	PROFILE 3	PROFILE 4
Landscape Position %	L 5-10%	L 5-10%	L 5-10%	L 5-10%
Horizon Depth I	0-6	0-4	0-6	0-4
Color Munsell	br	br	br	br
Texture	sd	sd	sd	sd
Structure	wk sbk	wk sbk	wk sbk	wk sbk
Consistence	fr ss/sp	fr ss/sp	fr ss/sp	
Boundary				
Horizon Depth II	6-23	4-21	6-24	4-23
Color – Munsell	yl	yl	yl	yl
Texture	c	c	c	c
Mottles			f prom	
Structure	m f sbk	m f sbk	m sbk	m f sbk
Consistence	fr sp	fr ss/se	fr ss/sp	fr ss/sp
Boundary				
Horizon Depth III	23-49	21-48	24-48	23-49
Color – Munsell	yl brn	yl	yl brn	yl brn
Texture	c	c	c	c
Mottles	c sho	f sho	c sho	c sho
Structure	w sbk	m w sbk	w sbk	w sbk
Consistence	fr ss/se	fr ss/se	fr ss/sp	fr ss/sp
Boundary				
Horizon Depth IV				
Color – Munsell				
Texture				
Mottles				
Structure				
Consistence				
Boundary				
Soil Wetness	—	—	—	—
Restrictive Horizon	—	—	—	—
Saprolite	—	—	—	—
LTAR	.3	.3	.3	.3
Classification	PS	PS	PS	PS

LEGEND

LANDSCAPE POSITION

R	Ridge Interfluve
S	Shoulder
L	Linear Slope
S	Foot Slope
N	Nose Slope
H	Head Slope
Cc	Conclave Slope
Cv	Convex Slope
T	Terrace
P	Flood Plain

TEXTURE

s	sand
ls	Loamy sand
sl	sandy loam
l	loam
si	silt
sil	silt loam
sicl	silty clay loam
cl	clay loam
scl	sandy clay loam
sc	sandy clay
sic	silty clay
c	clay

CONSISTENCE WET

Ns	non-sticky
Ss	slightly sticky
S	sticky
Vs	very sticky
Np	non-plastic
Sp	slightly plastic
P	plastic
Vp	very plastic

MOIST

vfr	Very friable
fr	friable
fi	firm
vfi	Very firm

STRUCTURE

sg	single grain
m	massive
cr	crumb
gr	granular
sab	subangular blocky
ab	angular blocky
pl	platy
pr	prismatic