Paresh Patel Fast Track - Lot 286 The Point

Number of Bedrooms	**5**
Basement or Crawl	**Partial Basement**
Design Flow (gpd)	**600**
Primary System LTAR (gpd/ft2)	**0.3**
Primary System Type	**25% Reduction**
No. Lines	6 (See Table)
Total Linear Feet	504
Trench Width	3' min.
Trench Spacing	9' min.
Pump Required	Yes
Distribution Device	Pressure Manifold
Maintenance Agreement Required	No
Length and Diameter of Supply Pipe	approx 215' of 2" SCH 40 PVC
Flow Rate through the system	33 gpm
Elevation head	Approx. 36.2'
Pressure head	2'
Friction head	8'
20% Contingency	9.24'
Total Head	55.4'
Pump Requirements	33 gpm @ 56' of head; use Goulds WE10H pump or equivelent with compatible electrical
Dosing Volume	240 gal -2.5 doses/day @ design flow
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	Yes
Repair System	**LP PPBPS**
Total Linear Feet	420' (334' required)
Repair Loading Rate	0.3

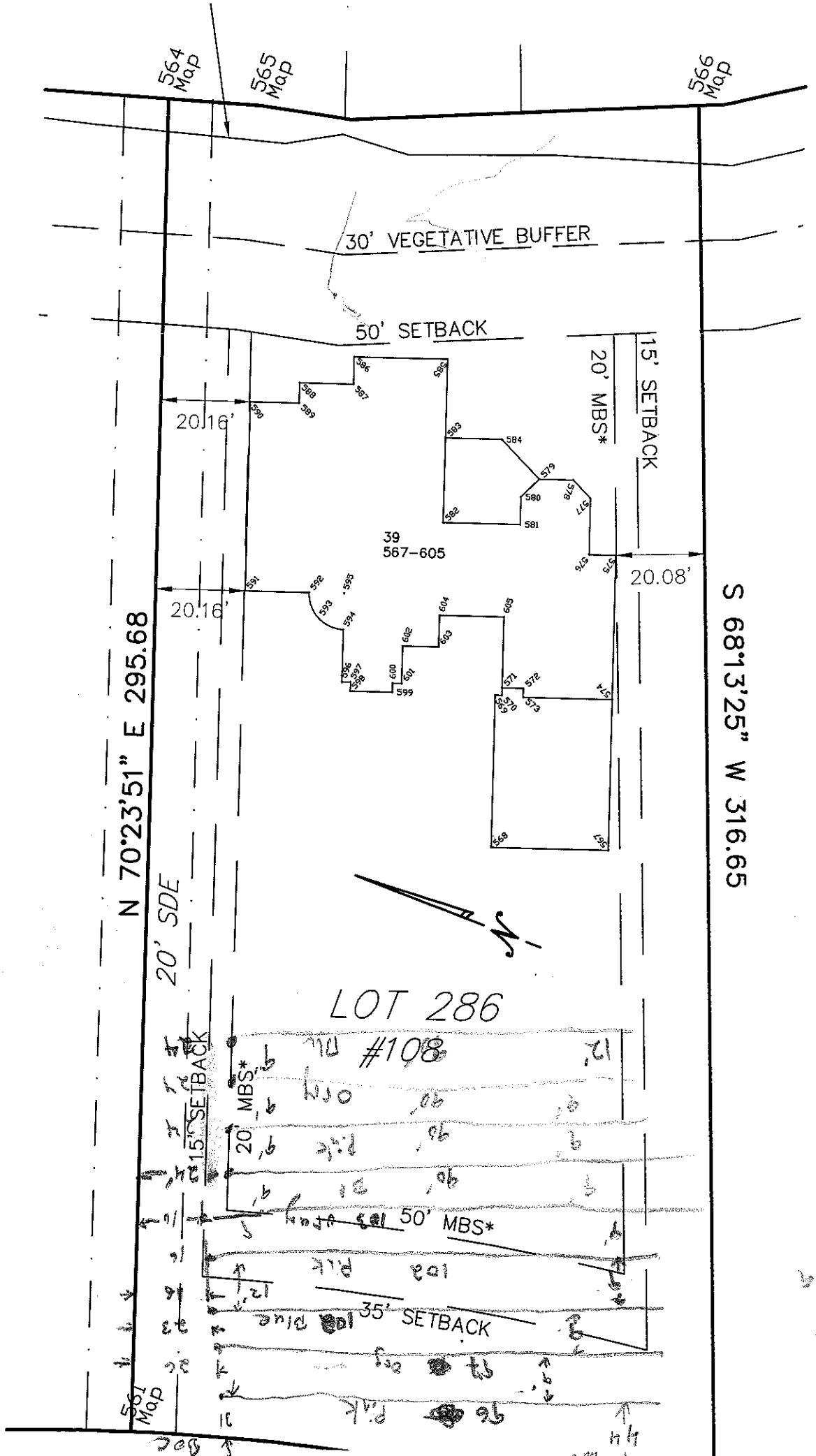
Table: Summary of Primary and Repair Nitrification Line Specifications

Paresh Patel Lot 286 The Point

Line No.	Use	Line Color	System Type	Line Length (Ft.)	Rod Reading Elevation (Ft.)
1	Repair	Pink	LPPPBPS	84	3.2
2	System	Red	25% Reduction	84	
3	System	Blue	25% Reduction	84	
4	System	Orange	25% Reduction	84	
5	System	Pink	25% Reduction	84	
6	System	Red	25% Reduction	84	
7	System	Blue	25% Reduction	84	
8	System	Orange	25% Reduction	84	
9	Repair	Pink	LPPPBPS	84	
10	Repair	Red	LPPPBPS	84	13.6
11	Repair	NF	LPPPBPS	84	
				Total System: 504'	
				Total Repair: 420'	

Tank	Red	1500 gal (2 compartment)	31.4
Pump Tank	Red	1500 gal.	31.4
House	Blue	(Rt. Front)	19.1

Manifold Information	
Tap Size (In.)	1/2
Tap Material	SCH 80 PVC
No. Taps	4
Barrel Size (In.)	4
Barrel Material	SCH 80 PVC
Flow (gpm)/Tap	5.5


564 Map
565 Map
566 Map
561 Map
30' VEGETATIVE BUFFER
50' SETBACK
15' SETBACK
20' MBS*
20.16'
20.16'
20.08'
39
567-605
N 70°23'51" E 295.68
S 68°13'25" W 316.65
20' SDE
LOT 286
#108
15' SETBACK
20' MBS*
50' MBS*
35' SETBACK

ELROD CUSTOM HOMES INC.
PATEL RESIDENCE
LOT 286 THE POINT
108 WHALING LN.
1" = 30'

