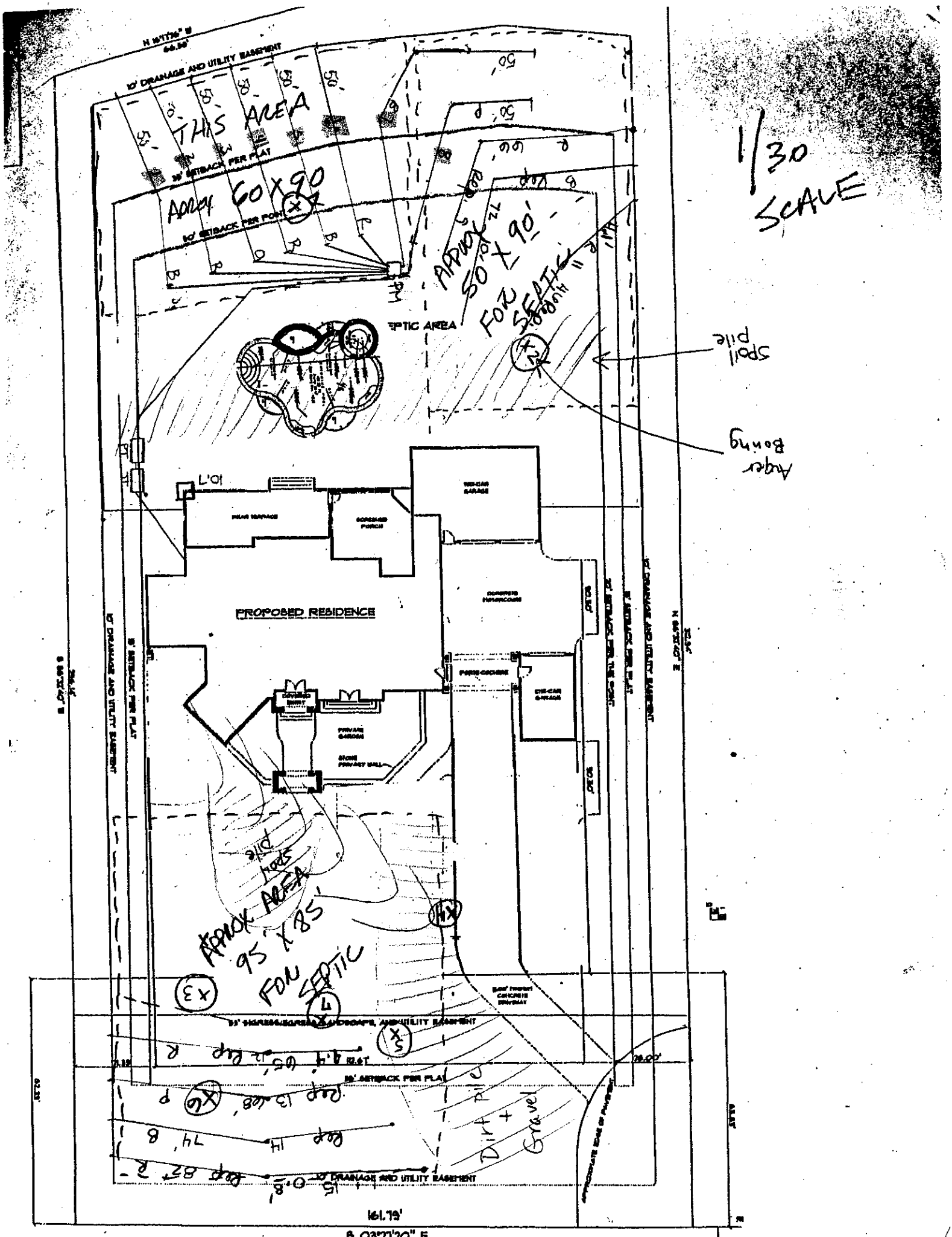

THIS AREA
APPROX 60 X 90
FOR SEPTIC
APPROX 50' X 90'
FOR SEPTIC
SEPTIC AREA
Spoil pile
Auger Boring
PROPOSED RESIDENCE
APPROX AREA
95' X 85'
FOR SEPTIC
Dirt + Gravel
1/30
SCALE

Table: Summary of Primary and Repair Nitrification Line Specifications

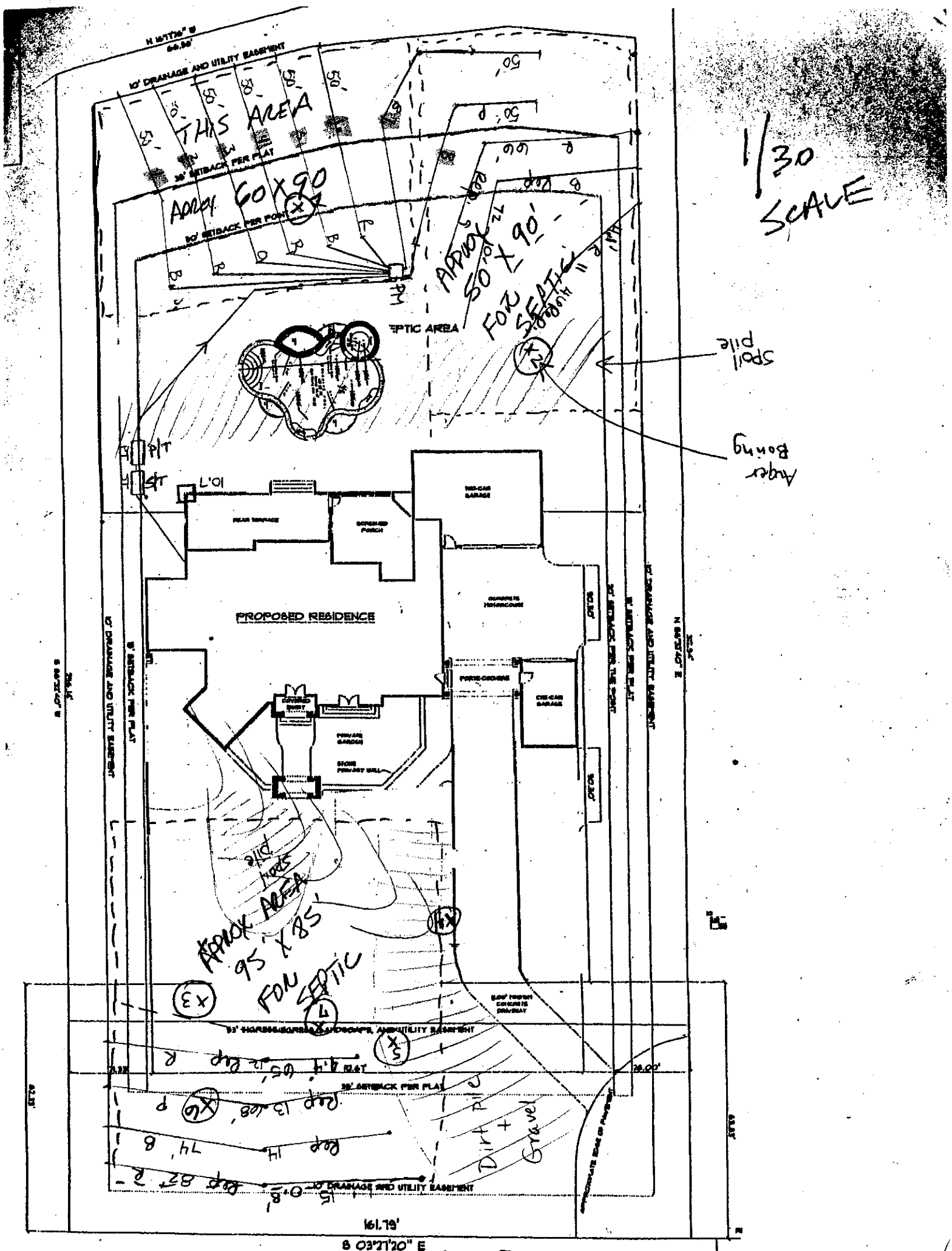
Line No.	Use	Line Color	System Type	Line Length (Ft.)	Rod Reading Elevation (Ft.)
1	System	Blue	25% Reduction	50 endfed	10.0'
2	System	Red	25% Reduction	50 endfed	
3	System	Orange	25% Reduction	50 endfed	
4	System	Red	25% Reduction	50 endfed	
5	System	Blue	25% Reduction	50 endfed	
6	System	Red	25% Reduction	50 endfed	
7	System	Blue	25% Reduction	50 endfed	
8	System	Pink	25% Reduction	50 endfed	
9	Repair	Red	LPPPBPS	66	
10	Repair	Blue	LPPPBPS	72	
11	Repair	Red	LPPPBPS	46	4.1'
12	Repair	Red	LPPPBPS	65	4.4'
13	Repair	Pink	LPPPBPS	68	
14	Repair	Blue	LPPPBPS	74	
15	Repair	Red	LPPPBPS	82	0.8'
				Total System: 400'	
				Total Repair: 473'	

Tank	Red	1500 gal (2 compartment)	10.7'
Pump Tank	Red	1500 gal.	10.7'
House	Stakes		10.7'

Manifold Information	
Tap Size (In.)	1/2
Tap Material	SCH 80 PVC
No. Taps	8
Barrel Size (In.)	4
Barrel Material	SCH 80 PVC
Flow (gpm)/Tap	5.5

Lot 503 The Point at Lake Norman Fast Track Septic System Information

Number of Bedrooms	**4**
Basement or Crawl	**Crawl Space**
Design Flow (gpd)	**480**
Primary System LTAR (gpd/ft2)	**0.3**
Primary System Type	**25% Reduction**
No. Lines	8 (See Table)
Total Linear Feet	400
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	85' of 2" SCH 40 PVC
Size of laterals	1 1/4" SCH 40 PVC
Flow Rate through the system	44 gpm
Elevation head	Approx. 15.9'
Pressure head	2.0'
Friction head	3.5'
20% Contingency	4.3'
Total Head	25.7'
Pump Requirements	44 gpm @ 25.7' of head; use Goulds WE05H pump or equivelent with compatible electrical
Dosing Volume	240 gal -2.0 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. 5.5 min.
Check Valve	Yes
Siphon Break hole	No
Repair System	**LP PPBPS**
Total Linear Feet	480
Repair Loading Rate	.25 - .3


1/30 SCALE
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FOR SEPTIC
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FOR SEPTIC
SEPTIC AREA
Auger Boring
Spoil pile
PROPOSED RESIDENCE
APPROX AREA
95 X 85
FOR SEPTIC
10' DRAINAGE AND UTILITY EASEMENT
30' SETBACK PER PLAT
161.79'
S 03°27'20" E