ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 | Mooresville Office (704) 660-3625 | PERMIT # AP 300682

SEPTIC: IMPROVEMENT PERMIT / AUTHORIZATION TO CONSTRUCT / OPERATION PERMIT / EXISTING SYSTEM

PIN # 4765 -- 80 -- 8427

APPLICANT/OWNER: Keason Properties LLC | APPLICANT ADDRESS: 185 Shelburne Place Mooresville NC 28117

SITE ADDRESS: 265 Lone Pine Rd Statesville NC 28625 | PHONE: 760-322-7415 | ALT. PHONE

SITE DIRECTIONS: 64 E RT on Lone Pine Lot on Left | SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Carson Creek | SECTION: 1 | LOT # 2 | LOT AREA: .776 AC | DESIGN FLOW: 360 | L.T.A.R.: .25

Septic Tank	1000	(gal)	STB STOAF 7100	Date	5/2/22	☑ New System	☐ Repair	☐ Expansion	System Type: I II (III) IV V VI	
Pump Tank	1000	(gal)	PT STOAF 363	Date	5/2/22	System Description:	PM-25% Reduction			
Pump Make			Model			Repair System Description:	LP-PPBPS-50% Reduction			
# Nitrification Fields	1		# Lines	4	Linear Ft 360	Maintenance Agreement Required:	☐ YES	☒ NO		
Trench Width	36 in		Trench Bottom Depth(Low side)	36 inches		Gravel Depth	-	☒ GRAVITY	☐ PRESSURE	

☑ Residence	No. Bedrooms	3	Water Supply		
☐ Business	No. Persons	6	☐ Private		
☐ Other	No. Employees		☑ Public		
☐ Slab	☐ Crawl Space		☐ Community		
☑ Basement w/ plumbing			☐ Basement w/o plumbing		

Comments / Conditions:

INITIAL SITE SKETCH

See attached Site Plan
by Soil & Forestry Services
of the Carolinas, PA
Dated May 20, 2022.

AS BUILT SKETCH

FOR SEPTIC FINAL INSPECTION CALL: 704-664-3703 between 8am-9am
the day the inspection is needed. Be sure to speak with an inspector to confirm your time.

Stake Pool for OP

As Built
Attached

Permit can be suspended or revoked if any false information is supplied toward securing the permit / any unauthorized changes are made to the site / any unauthorized changes are made in the installation of the system. **CONTACT A LOCATOR SERVICE PRIOR TO ANY EXCAVATION**

☐ **IMPROVEMENT PERMIT** *with plat valid without expiration.* ☑ **IMPROVEMENT PERMIT** *with site plan valid for 60 mos.* ☑ **AUTHORIZATION TO CONSTRUCT** *valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.*

Owner / Applicant Signature: [signature] Date: 6-15-22 Installed by: Frye Grading

IMPROVEMENT PERMIT by: [signature] Date: 6-10-22 OPERATION PERMIT by: Bryant C. White Date: 8-16-2022

AUTHORIZATION TO CONSTRUCT by: [signature] Date: 6-10-22 Existing System Inspected by: Date:

FOR SEPTIC FINAL INSPECTION: CALL 704-664-3703 between 8am-9am the day the inspection is needed.

As Built
Plus Lane
Line
SCALE
1" = 40'
NORTH
S16°13'40"W
119.43'
S78°10'34"E
279.82'
287.95'
P.MANIFOLD
DRIVE
Lot 2 0.776 AC.
POOL AREA 14' x 28'
10" SOLID PIPE & BACKFILL W/CLAY
9 R 82'
8 Y 82'
7 P 82'
6 B 82'
1 R 52' 870.40
2 O 80' 869.70
3 Y 90' 868.40
4 B 75' 867.60
5 P 866.30
6 R 102'
7 O 102'
8 Y 102'
1 R 1.0'
2 O 5.4'
3 Y 4.4' 60'
4 B 5.0' 60'
5 P 6.2' 60'
6 R 7.0' 60'
7 O 8.0' 64'
8 Y 54'
P1
P2
P3
P4
P5
PT
ST
L3
L17
L18
L19
L20
L21
L22
L23
L24
L25
L26
L27
L28
L29
L30
L31
L32
L33
L34
L35
L36
L37
L38
L39
L40
L41
L42
L43
L44
L45
L46
L47
L48
L49
L50
L51
L52
L53
L54
L55
L56
L57
L58
L59
L60
L61
L62
L63
L64
L65
L66
L67
L68
L69
L70
L71
L72
L73
L74
L75
L76
L77
L78
L79
L80
L81
L82
L83
L84
L85
L86
L87
L88
L89
L90
L91
L92
L93
L94
L95
L96
L97
L98
L99
L100
L101
L102
L103
L104
L105
L106
L107
L108
L109
L110
L111
L112
L113
L114
L115
L116
L117
L118
L119
L120
L121
L122
L123
L124
L125
L126
L127
L128
L129
L130
L131
L132
L133
L134
L135
L136
L137
L138
L139
L140
L141
L142
L143
L144
L145
L146
L147
L148
L149
L150
L151
L152
L153
L154
L155
L156
L157
L158
L159
L160
L161
L162
L163
L164
L165
L166
L167
L168
L169
L170
L171
L172
L173
L174
L175
L176
L177
L178
L179
L180
L181
L182
L183
L184
L185
L186
L187
L188
L189
L190
L191
L192
L193
L194
L195
L196
L197
L198
L199
L200
L201
L202
L203
L204
L205
L206
L207
L208
L209
L210
L211
L212
L213
L214
L215
L216
L217
L218
L219
L220
L221
L222
L223
L224
L225
L226
L227
L228
L229
L230
L231
L232
L233
L234
L235
L236
L237
L238
L239
L240
L241
L242
L243
L244
L245
L246
L247
L248
L249
L250
L251
L252
L253
L254
L255
L256
L257
L258
L259
L260
L261
L262
L263
L264
L265
L266
L267
L268
L269
L270
L271
L272
L273
L274
L275
L276
L277
L278
L279
L280
L281
L282
L283
L284
L285
L286
L287
L288
L289
L290
L291
L292
L293
L294
L295
L296
L297
L298
L299
L300
L301
L302
L303
L304
L305
L306
L307
L308
L309
L310
L311
L312
L313
L314
L315
L316
L317
L318
L319
L320
L321
L322
L323
L324
L325
L326
L327
L328
L329
L330
L331
L332
L333
L334
L335
L336
L337
L338
L339
L340
L341
L342
L343
L344
L345
L346
L347
L348
L349
L350
L351
L352
L353
L354
L355
L356
L357
L358
L359
L360
L361
L362
L363
L364
L365
L366
L367
L368
L369
L370
L371
L372
L373
L374
L375
L376
L377
L378
L379
L380
L381
L382
L383
L384
L385
L386
L387
L388
L389
L390
L391
L392
L393
L394
L395
L396
L397
L398
L399
L400
L401
L402
L403
L404
L405
L406
L407
L408
L409
L410
L411
L412
L413
L414
L415
L416
L417
L418
L419
L420
L421
L422
L423
L424
L425
L426
L427
L428
L429
L430
L431
L432
L433
L434
L435
L436
L437
L438
L439
L440
L441
L442
L443
L444
L445
L446
L447
L448
L449
L450
L451
L452
L453
L454
L455
L456
L457
L458
L459
L460
L461
L462
L463
L464
L465
L466
L467
L468
L469
L470
L471
L472
L473
L474
L475
L476
L477
L478
L479
L480
L481
L482
L483
L484
L485
L486
L487
L488
L489
L490
L491
L492
L493
L494
L495
L496
L497
L498
L499
L500
L501
L502
L503
L504
L505
L506
L507
L508
L509
L510
L511
L512
L513
L514
L515
L516
L517
L518
L519
L520
L521
L522
L523
L524
L525
L526
L527
L528
L529
L530
L531
L532
L533
L534
L535
L536
L537
L538
L539
L540
L541
L542
L543
L544
L545
L546
L547
L548
L549
L550
L551
L552
L553
L554
L555
L556
L557
L558
L559
L560
L561
L562
L563
L564
L565
L566
L567
L568
L569
L570
L571
L572
L573
L574
L575
L576
L577
L578
L579
L580
L581
L582
L583
L584
L585
L586
L587
L588
L589
L590
L591
L592
L593
L594
L595
L596
L597
L598
L599
L600
L601
L602
L603
L604
L605
L606
L607
L608
L609
L610
L611
L612
L613
L614
L615
L616
L617
L618
L619
L620
L621
L622
L623
L624
L625
L626
L627
L628
L629
L630
L631
L632
L633
L634
L635
L636
L637
L638
L639
L640
L641
L642
L643
L644
L645
L646
L647
L648
L649
L650
L651
L652
L653
L654
L655
L656
L657
L658
L659
L660
L661
L662
L663
L664
L665
L666
L667
L668
L669
L670
L671
L672
L673
L674
L675
L676
L677
L678
L679
L680
L681
L682
L683
L684
L685
L686
L687
L688
L689
L690
L691
L692
L693
L694
L695
L696
L697
L698
L699
L700
L701
L702
L703
L704
L705
L706
L707
L708
L709
L710
L711
L712
L713
L714
L715
L716
L717
L718
L719
L720
L721
L722
L723
L724
L725
L726
L727
L728
L729
L730
L731
L732
L733
L734
L735
L736
L737
L738
L739
L740
L741
L742
L743
L744
L745
L746
L747
L748
L749
L750
L751
L752
L753
L754
L755
L756
L757
L758
L759
L760
L761
L762
L763
L764
L765
L766
L767
L768
L769
L770
L771
L772
L773
L774
L775
L776
L777
L778
L779
L780
L781
L782
L783
L784
L785
L786
L787
L788
L789
L790
L791
L792
L793
L794
L795
L796
L797
L798
L799
L800
L801
L802
L803
L804
L805
L806
L807
L808
L809
L810
L811
L812
L813
L814
L815
L816
L817
L818
L819
L820
L821
L822
L823
L824
L825
L826
L827
L828
L829
L830
L831
L832
L833
L834
L835
L836
L837
L838
L839
L840
L841
L842
L843
L844
L845
L846
L847
L848
L849
L850
L851
L852
L853
L854
L855
L856
L857
L858
L859
L860
L861
L862
L863
L864
L865
L866
L867
L868
L869
L870
L871
L872
L873
L874
L875
L876
L877
L878
L879
L880
L881
L882
L883
L884
L885
L886
L887
L888
L889
L890
L891
L892
L893
L894
L895
L896
L897
L898
L899
L900
L901
L902
L903
L904
L905
L906
L907
L908
L909
L910
L911
L912
L913
L914
L915
L916
L917
L918
L919
L920
L921
L922
L923
L924
L925
L926
L927
L928
L929
L930
L931
L932
L933
L934
L935
L936
L937
L938
L939
L940
L941
L942
L943
L944
L945
L946
L947
L948
L949
L950
L951
L952
L953
L954
L955
L956
L957
L958
L959
L960
L961
L962
L963
L964
L965
L966
L967
L968
L969
L970
L971
L972
L973
L974
L975
L976
L977
L978
L979
L980
L981
L982
L983
L984
L985
L986
L987
L988
L989
L990
L991
L992
L993
L994
L995
L996
L997
L998
L999
L1000

	Date	Initials
Drain Lines Checked	6/17/22	DW
Tanks Checked	6/17/22	DW
Pressure Manifold or Valve Box Checked	6/17/22	DW
Pressure Head Set	6/24/22	CW
Electrical Checked	8-16-2022	BCW
Floats Set	6/24/22	CW
Alarm Checked	8-16-2022	BCW
Maintenance Contract Y / (N)	8-16-2022	BCW

Not Required

SOIL & FORESTRY SERVICES
OF THE CAROLINAS, PA

www.soilandforestryservices.com

Attached is a proposed design for an Accepted (25% reduction) Septic System with Pressure Manifold distribution for a 3 bedroom single family residence at 265 Lone Pine Rd, Statesville NC, 28625 PIN#(4765808427)

Contents:

	Page
Information for the Installer	1
Design Information	
Design Specifications	2-3
Layout Specifications	4
System Tapsheet	5
Pressure Manifold Diagram	6
Site Plan/System Plan	7
Calculations	8
Profile Descriptions	SUBMITTED
Application	9-11
Agent Authorization Form	SUBMITTED
Green Sheet	12
Expedited Review Checklist	13



May 20, 2022
Project No. 18-0134
Design By: Soil & Forestry Services of the Carolinas, PA

INFORMATION FOR THE INSTALLER:

- The permit should be read very carefully prior to bidding. The following are details that must be considered along with all other considerations.
- Tanks shall be approved by DHHS, and certification supplied by the manufacturer.
- The installer shall be responsible to the owner for placement of the tanks and to insure that final grades are returned to the original natural grade, with exception of added structural features.
- The supply trench shall be compacted to eliminate cavities left during initial fill placement.
- Installation of the system shall be during dry conditions in order to protect the soil structure.
- All fittings shall be pressure rated fittings.
- All joints shall be cleaned with PVC pipe cleaner and a heavy bodied glue applied to weld all joints.
- Trenches shall be carefully excavated so the bottom is within 2" from the highest to the lowest points of elevation within the trench. If the bottom elevation needs adjusting after it has been trenched, it will be done by removing high points rather than filling low points. It is extremely important to insure that trenches are not over excavated during initial trenching. All fine grading within the trench will be hand done with a shovel. No loose material will be left in the trench
- All pipe openings in the tanks shall be properly grouted. This also applies to the joints around the riser.
- All tanks shall be properly back filled and compacted to prevent slump at a later date.
- Earth dams, constructed of relatively impervious material, shall be installed at the beginning and end of each lateral.
- No heavy equipment shall be used on the field during or after installation. The use of a small loader (i.e. Bobcat) or a trencher (i.e. Ditch Witch 2300/2310) may be used for installation.
- Elevations at pinflag locations should be checked by the installer prior to beginning trenches.
- Pumptank riser should be 6" above grade, control panel should be 12" above grade.
- Septic tank riser shall be a minimum of 6" above finished grade.
- System is specified as an Accepted 25% reduction installation w/Pressure Manifold.
- Repair is specified as a PPBPS 50% reduction installation w/Low Pressure.

PRESSURE MANIFOLD SYSTEM
FOR WASTEWATER TREATMENT

Owner/Applicant:	Kenson Properties LLC
Address:	185 Shelborne Place Mooresville, NC 28117
Phone:	760.522.7415
County:	Iredell
Location:	265 Lone Pine Rd Statesville NC, 28625
Source of Wastewater Flow:	3 Bedroom Single Family Residence
Estimated Daily Wastewater Production:	360 gpd
System Flow:	35.78

Design Specifications

Drainfield Size:	360
Loading Rate:	0.25
Depth of Gravel in Trench:	NA (25% reduction)
Gravel Size:	NA (25% reduction)
Max Trench Depth:	36 in. Repair: 52 in.
Trench Width:	36 in.
Septic Tank Size:	1000
Pump Tank Size:	1000
Estimated Supply Line Length:	15
Supply Line Diameter:	2 in. SCH 40 PVC
Supply Line Volume:	2.61
Dosing Volume:	176.31
Supply Manifold:	4 in. SCH 80 PVC
Supply Manifold Length:	4 ft. (minimum)
Supply Manifold Volume:	N/A
Recommended Float Controls:	SJE Sensor Float Control Switches as Required for Control Panel or County Approved Equivalents
Recommended Control Panel:	SJE-Rhombus Model 112 (NEMA 4x) Control Panel or County Approved Control Panel.
Pressure Head:	2 ft.
Friction Head:	0.45
Elevation Head:	5.00
Total Dynamic Head:	7.52
Threaded Union:	In Tank
Gate Valves:	1 in Tank 1 at Pressure Manifold
Check Valves:	In Tank
Anti-Siphon Hole:	NA
Additional Comments:	Soil suitability was performed by Soil & Forestry Services of the Carolinas, PA.

265 Lone Pine Rd
PRESSURE MANIFOLD DESIGN

DESIGN FLOW:	360
SOIL APPLICATION RATE:	0.25
TOTAL AREA TRENCH BOTTOM:	1080
TOTAL LATERAL LENGTH:	360
NUMBER OF FIELDS:	1
LATERAL LENGTH REQUIRED PER FIELD:	360
SUPPLY LINE LENGTH:	15
TOTAL DYNAMIC HEAD:	7.52
MANIFOLD SIZE:	4 in.SCH 80 PVC
DOSING VOLUME:	176.31
PUMP TANK DRAW DOWN*:	8.4
SEPTIC TANK SIZE:	1000
PUMP TANK SIZE:	1000

**Pump tank draw down based on a volume basis of 21 gallons per inch. Draw down may vary among pump tank manufacturers.*

Layout Specifications - 265 Lone Pine Rd

Project #: 18-0134

LAYOUT FOR 3 BEDROOM HOME — May 20, 2022

LINE #	FLAG COLOR	BS	HI	FS	ELEVATION	FLAGGED LINE LENGTH	DESIGN LINE LENGTH
TBM					100.00		
HOUSE	Left Rear				867.00		
PUMP TANK					867.00		
INSTR. 1							
1	RED				870.40	52	52
2	ORANGE				869.70	80	80
3	YELLOW				868.40	90	90
4	BLUE				867.60	75	75
5	*PINK*				*866.30*	*100*	*100*
6	*RED*				*865.36*	*100*	*100*
7	*ORANGE*				*863.4*	*100*	*100*
8	*YELLOW*				*862.00*	*60*	*60*
					TOTAL	657	657

	LINE LENGTH	LTAR GPD/FT2	SYSTEM TYPE	SOIL LTAR GPD/FT2	TRENCH SYSTEM	DISTRIBUTION
** System*	*360*	*0.250*	*ACCEPT.*	*0.250*	*25% RED*	*PRESSURE MANIFOLD*
Repair	232	0.250	MOD. CONV.	0.250	PPBPS	LOW PRESSURE

Notes: **All measures in feet

**Nitrification lines are demonstrated on contour via colored pin flags

**Nitrification lines were located by GPS.

**Proposed Power Line Easement must be staked before install.

PRESSURE MANIFOLD TAPSHEET - 265 Lone Pine Rd

SYSTEM

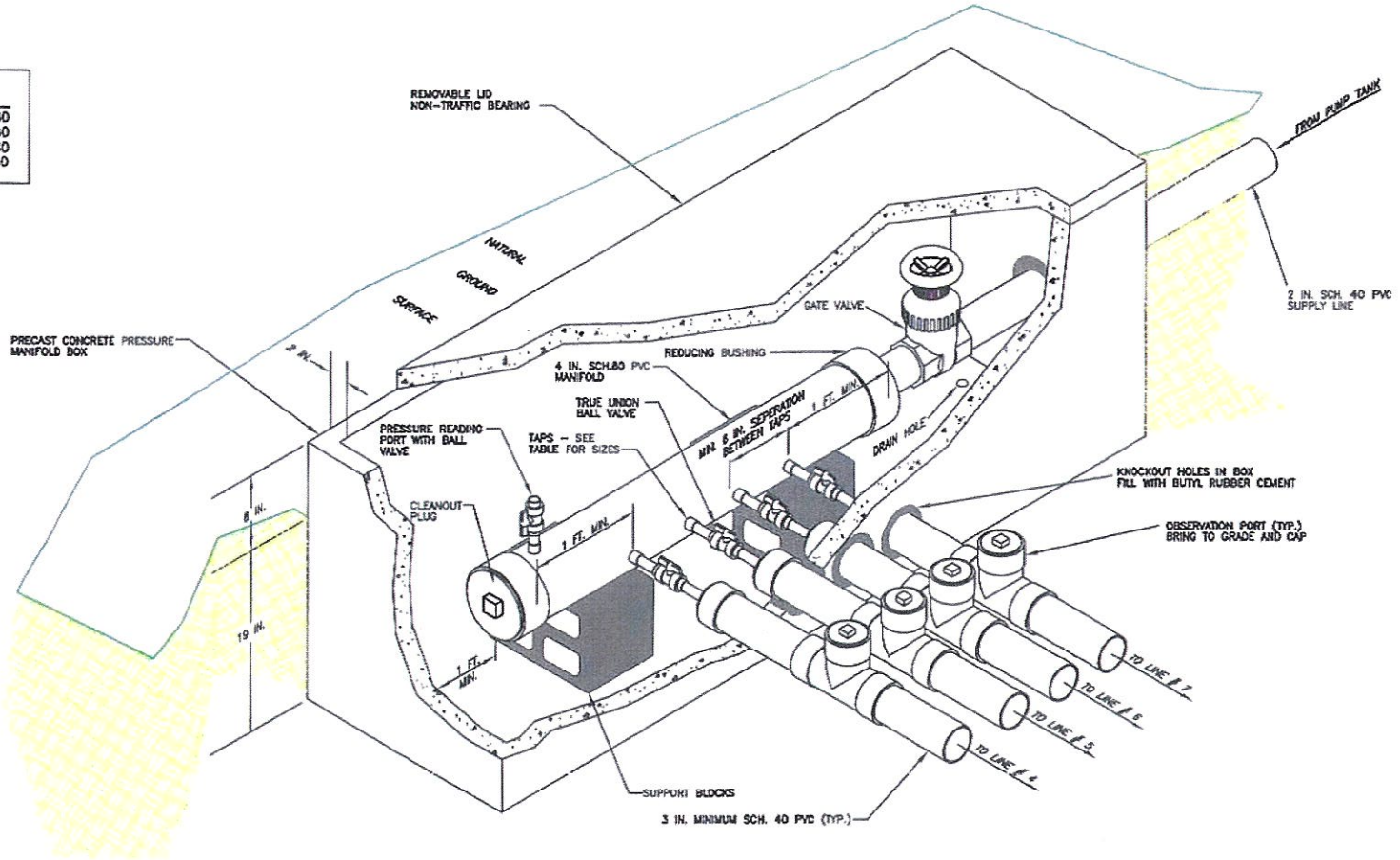
Line #	Color	Elevation	Length	Hole Size	Flow/Tap	Trench Area	Line LTAR
5	*PINK*	*866.30*	100	SCH 80 3/4	10.1	300	0.17
6	*RED*	*865.36*	100	SCH 80 3/4	10.1	300	0.17
7	*ORANGE*	*863.40*	100	SCH 80 3/4	10.1	300	0.17
8	*YELLOW*	*862.00*	60	SCH 80 1/2	5.48	180	0.15

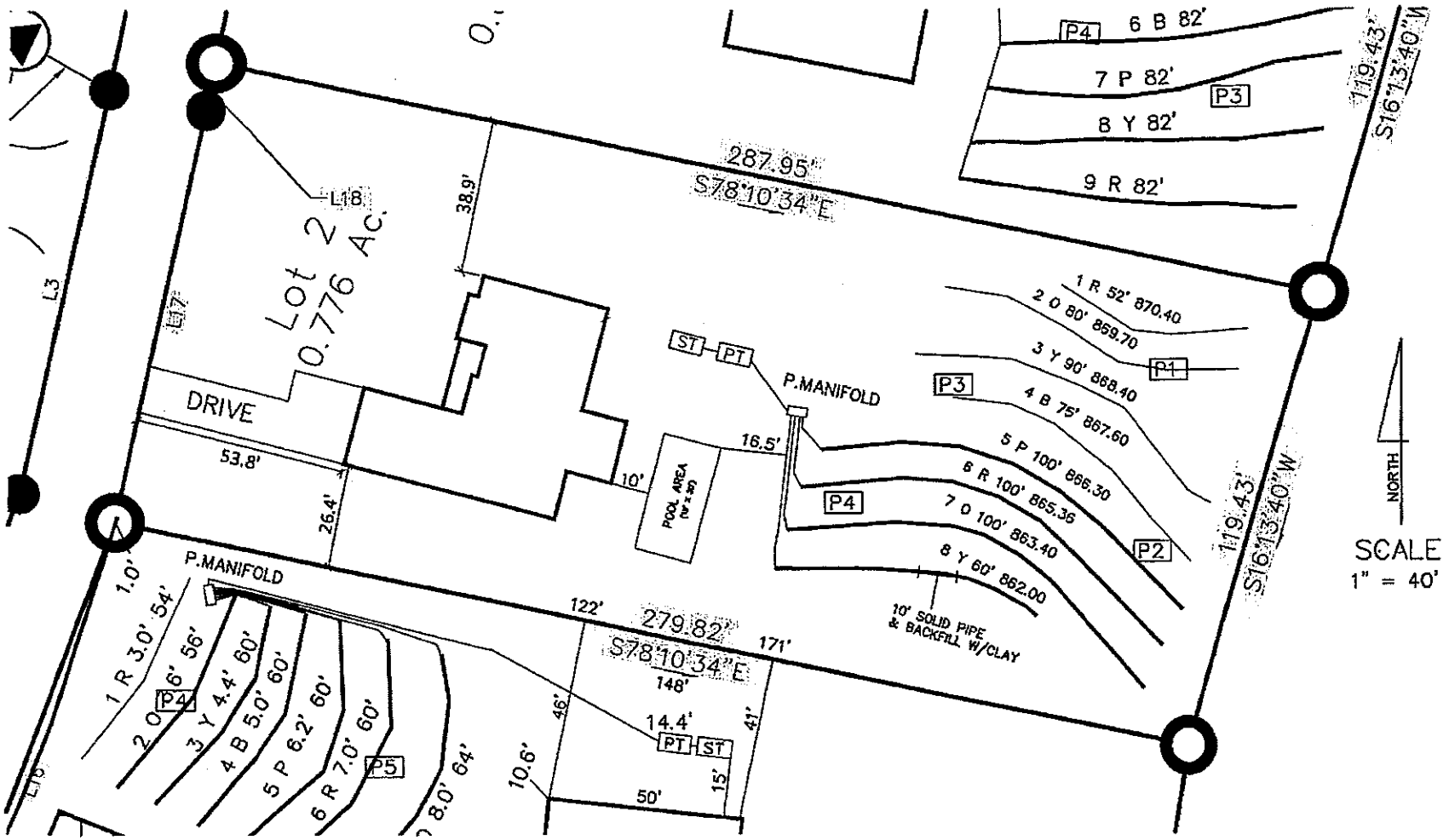
total	feet =	360	gal/min =	35.78
		Des. Flow	360	
		Pump Run=	4.93	
		soil LTAR	0.25	
		LTAR +5%	0.2625	
		LTAR with ACCEPTED	0.333333333	
		LTAR with ACCEPTED + 5%	0.35	

PRESSURE MANIFOLD DETAILS
FOR
CARSON CREEK LOT#2 SEPTIC SYSTEM

TAP SIZES

LINE No.	TAP SIZE
5	3/4" SCH. 80
6	3/4" SCH. 80
7	3/4" SCH. 80
8	1/2" SCH. 80




Lot 2
0.776 Ac.
287.95'
S78°10'34"E
119.43'
S16°13'40"W
38.9'
L18
L17
L3
DRIVE
53.8'
26.4'
ST
PT
P.MANIFOLD
16.5'
10'
POOL AREA
(16' x 32')
P4 6 B 82'
7 P 82'
P3
8 Y 82'
9 R 82'
1 R 52' 870.40
2 O 80' 869.70
P1
3 Y 90' 868.40
4 B 75' 867.60
5 P 100' 866.30
6 R 100' 865.36
P2
7 O 100' 863.40
8 Y 60' 862.00
10" SOLID PIPE
& BACKFILL W/CLAY
NORTH
SCALE
1" = 40'
1.0'
1 R 3.0' 54'
2 O 6' 56'
3 Y 4.4' 60'
4 B 5.0' 60'
5 P 6.2' 60'
6 R 7.0' 60'
P5
8.0' 64'
122'
279.82'
S78°10'34"E
171'
148'
14.4'
46'
41'
10.6'
50'
15'

CALCULATIONS

Location 265 Lone Pine Rd
Statesville NC, 28625
Project Number 18-0134

Lot No: 2

No. of Bedrooms 3

Design Flow 360 $^{gal}/_{day}$

LTAR 0.250 $^{gpd/ft^2}$

25% RED.? (YES OR NO) YES

Supply Line Length 15 ft.

Supply Line Volume 2.61 gal.

Required Feet of Line 360 ft.
Amount of Line from Layout 360 ft.

Gallons per Minute 35.78 $^{gal}/_{min}$

Required Septic Tank Capacity 1000 gal.
Minimum Standard Tank Size 1000

Lateral Line Volume 235.08 gal.

Dosing Volume 176.31 gal.
Note: Dosing Volume based on 75% of lateral line volume

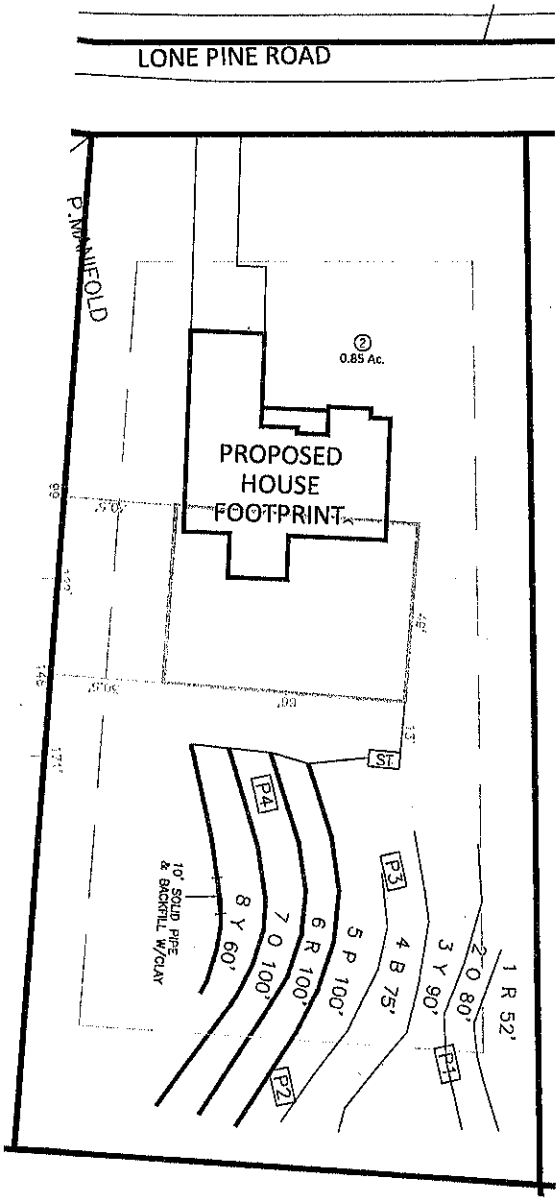
Tank Draw Down 8.4 *Generic Draw Down of 21 gal.per in.*

Pump Run Time 4.93 minutes

Elevation Head 5 ft.
Pressure Head 2 ft.
Friction Factor 3.03 ft./100 ft. *(From the interpolater.)*
Friction Head 0.45 ft.
Friction Head +15% 0.522675
Total Dynamic Head 7.52 ft.

FRICTION FACTOR INTERPOLATER
2" SCH 40 PVC

GPM	*f*
20	0.84
	-0.88
25	1.27
	-1.28
30	1.78
	-1.76
35	2.37
	-2.25
40	3.03
43.07	3.48
45	3.77
48.14	4.28
50	4.58
57.11	5.89
60	6.42



EXHIBIT

THIS IS AN EXHIBIT INTENDED TO SHOW COMPLIANCE WITH THE SEPTIC PERMIT FOR EACH LOT. THIS IS NOT A CONSTRUCTION PLAN.

CARSON CREEK LOT 2 LAYOUT EXHIBIT

RECEIVED MAY 2 6 2022

Paid $225 + Pump $500.00 Bd. Chg to Pump also

Exp. Rev. Int. Relayout -

IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

APPLICATION FORM

AP-300682

Application For: ( ) New Well Permit ( ) Well Repair Permit ( ) Well Abandonment
(X) Septic Improvement Permit (X) Authorization to Construct ( ) Existing System Inspection ( ) Septic System Repair

THE ABOVE PERMIT DOCUMENTS WILL BECOME INVALID IF INFORMATION PROVIDED ON THIS APPLICATION IS FALSIFIED OR CHANGED, OR IF THE SITE IS ALTERED. THE IMPROVEMENT PERMIT IS VALID FOR EITHER 60 MONTHS OR WITHOUT EXPIRATION DEPENDING UPON DOCUMENTATION SUBMITTED. APPLICATION WITH SITE PLAN 60 MONTHS, APPLICATION WITH COMPLETE, SCALED PLAT WITHOUT EXPIRATION. SEE 15A NCAC 18A .1937(f) FOR DETAILS.

Page 2: *Site Plan Worksheet* form MUST accompany this application

The following optional attachments may also be submitted: ( ) Survey Plat, scaled no more than 1 inch = 60 feet
Place an (X) beside whichever is submitted if applicable (X) Custom Site Plan, scaled no more than 1 inch = 60 feet

Applicant Information: **(PRINT CLEARLY)**

Applicant Name: Benson Properties LLC **Address:** 185 Shelburne Place Mooresville **Zip:** 28117
Applicant Email: EKV4@aol.com **Phone:** 760-322-7415 **Alt. Phone:**
Owner Name: Same **Address:** Same **Zip:**
Owner Email: **Phone:** **Alt. Phone:**

Property Information:

Street Address: 265 Lone Pine Rd, Statesville NC 28625
Subdivision Name: Carson Creek **Section/Phase:** **Lot Number:** 2
Driving Directions: 64E, Rt on Lone Pine, Lot on Lt

Site Development Information: ***(check or complete ALL that apply***

(X) New Single Family Residence
( ) New Multi-Family Residence
( ) Accessory Building
( ) Bedroom(s) Addition
( ) Repair to failing septic system ___ Tank ___ Drain lines **Describe Problem:**
Maximum Number of Bedrooms: 3
Maximum Number of Occupants: 6
( ) Swimming Pool
( ) Other Addition/Structure:

CHECK FOUNDATION TYPE
(X) Crawl Space Foundation
( ) Concrete Slab Foundation
(X) Basement with Plumbing
( ) Basement without Plumbing

Non-Residential Site Development: **Type of Business:**
Square Footage of Building: **Max. Number of Employees:** **Max. Number of Seats/Beds/Other:**

Water Supply: ( ) Replacement Well – Reason:
( ) Multi-connection Well **Number of Houses:** **Number of Persons:**
( ) New Well ( ) Existing Well ( ) Community Well ( ) City Water (X) Other Public Water

Desired Septic System Type: ***(you may rank in order of preference)*** **Year existing system installed:**
(X) No Preference ( ) Alternative ( ) Conventional ( ) Innovative ( ) Modified Conventional (X) Other: Accepted

Please answer the following to the best of your ability:
( ) Yes (X) No **Does the site contain any jurisdictional wetlands?**
( ) Yes (X) No **Is any non-domestic sewage (i.e. industrial) to be generated?**
( ) Yes (X) No **Is the site subject to approval by any other public agency?**

I have read this application and certify that the information provided herein is true, complete, and correct. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliance with applicable laws and rules. I understand that I am solely responsible for the proper identification and labeling of all property lines and corners and making the site accessible so that a complete site evaluation can be performed.

Signature: **DATE** 5/16/21 5/20/22
Property owner or owner's legal representative signature (SIGNATURE REQUIRED)

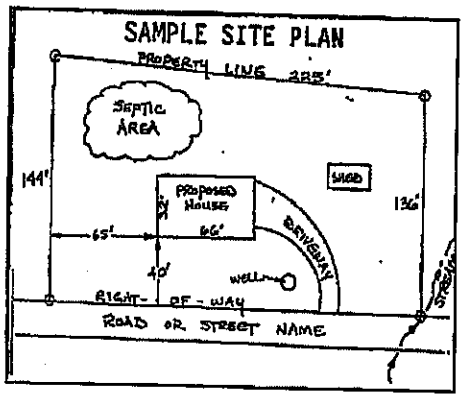
IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

SITE PLAN WORKSHEET

SEE THE "SAMPLE SITE PLAN" BELOW. *INCOMPLETE SITE PLANS WILL BE RETURNED TO YOU FOR COMPLETION AND MAY RESULT IN A DELAY IN THE ISSUANCE OF YOUR SEPTIC SYSTEM OR WELL PERMIT!!!*

Place an (X) beside each item as you complete the site plan:

- (X) **Property Line measurements are clearly identified**
- (X) **All proposed structures are indicated**
- (X) **Front and side setbacks from property line**
- (X) **Preferred driveway location**
- (X) **Preferred well location**
- (X) **Preferred septic system location**
- (X) **North arrow, or other sufficient indicator of direction**



Circle N/A on the following if appropriate:

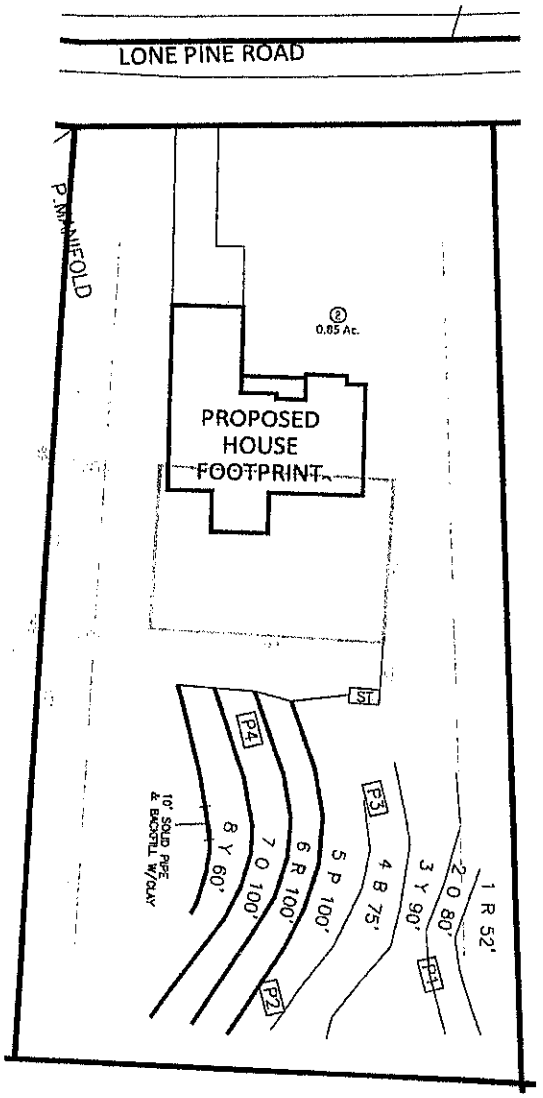
Location of septic systems and wells within 100' of your property N/A
Location of easements and rights of ways on your property N/A
Location of any designated wetlands on the property N/A

USE THIS SPACE TO DRAW YOUR SITE PLAN

Show: proposed house or business footprint, wells, water lines, patios, pools and decks, and any other item that will occupy space on the site

See Attached

Signature: _____ 5/20/22
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) 8/16/21 **DATE**



EXHIBIT

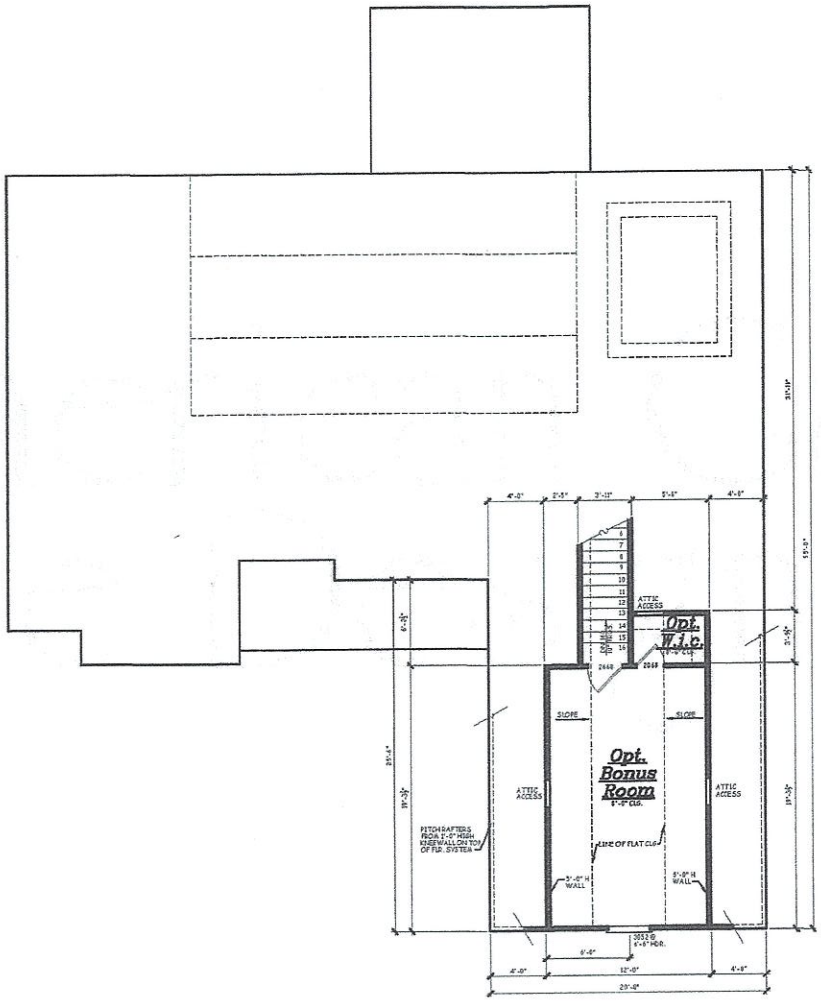
THIS IS AN EXHIBIT INTENDED TO SHOW COMPLIANCE WITH THE SEPTIC PERMIT FOR EACH LOT. THIS IS NOT A CONSTRUCTION PLAN.

CARSON CREEK LOT 2 LAYOUT EXHIBIT

AMERICAN GABLES HOME DESIGNS, INC. hereby reserves its common law copyright and other property rights in these plans, designs, arrangements and ideas. These ideas, plans and designs are not to be reproduced, changed or copied in any form or manner whatsoever, nor are they to be assigned to any third party without first obtaining the express written permission from AMERICAN GABLES HOME DESIGNS, INC.

DAWSON

SECOND FLOOR PLAN



1 SECOND FLOOR PLAN
A2 SCALE: 1/4" = 1'-0"

NOTE:
SET SECOND FLOOR WINDOW HEADERS AT 6'-8" A.F.F. UNLESS OTHERWISE NOTED.

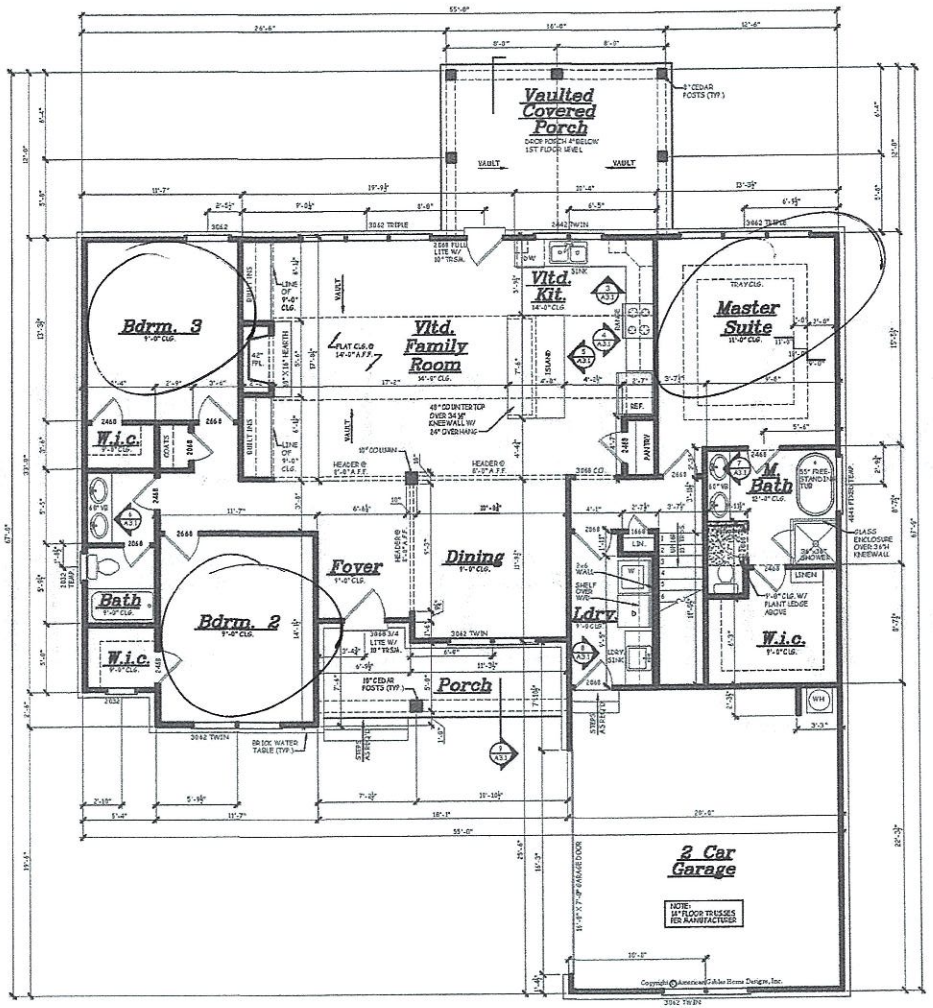
ALL SECOND FLOOR DOORS ARE 6'-8"H UNLESS OTHERWISE NOTED.

ALL ANGLES SHOWN ARE 45° UNLESS OTHERWISE NOTED.

American Gables HOME DESIGNS, INC
1230 Johnson Ferry Place * Suite J-30
Marietta, GA 30068 678-919-7717
www.AmericanGablesAz.com

DRAWN BY	AMH
DATE	07/11/19
SCALE	1/4" = 1'-0"
	9-23-2021
SHEET	A2.3

Acknowledgement of Plans Submittal ONLY
Date 9-23-2021
Date



1 A2.2 FIRST FLOOR PLAN
SCALE: 1/4" = 1'-0"

GENERAL NOTES:
1. THESE PLANS ARE DESIGNED TO MEET THE 2018 INTERNATIONAL RESIDENTIAL CODE FOR ONE AND TWO FAMILY DWELLINGS WITH THE 2020 GEORGIA STATE AMENDMENTS.

2. BUILDER IS RESPONSIBLE TO SEE THAT THE HOUSE IS BUILT IN STRICT COMPLIANCE WITH CITY, COUNTY, STATE AND FEDERAL CODES IN THE AREA THE HOUSE IS TO BE CONSTRUCTED.

3. BUILDER MUST VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND REPORT ANY DISCREPANCIES TO AMERICAN GABLES HOME DESIGNS, INC FOR INVESTIGATION AND/OR CORRECTIONS. BUILDER SHALL ASSUME RESPONSIBILITY FOR ERRORS THAT ARE NOT REPORTED.

4. ALL DIMENSIONS SHOULD BE READ OR CALCULATED AND NEVER SCALED.

5. THESE PLANS ARE NOT TO BE COPIED OR REPRODUCED IN ANY FORM, WITHOUT THE EXPRESS WRITTEN PERMISSION OF AMERICAN GABLES HOME DESIGNS, INC.

6. ALL LOAD BEARING WALLS, BEAM SUPPORTS AND RAFTER BRACING SHOULD CARRY LOAD THRU ALL LEVELS TO FOUNDATION AND BE SUPPORTED BY GRADE BEAMS OR FOOTINGS DESIGNED TO CARRY LOADS.

7. ALL ANGLED WALLS ARE 45° UNLESS NOTED OTHERWISE.

8. ALL STRUCTURAL BEAMS AND WALLS ARE TO BE DESIGNED BY A LOCAL STRUCTURAL ENGINEER AND MEET ALL LOCAL CODES.

9. FLOOR AND ROOF TRUSS DRAWINGS MUST BE PROVIDED BY TRUSS MANUFACTURER. PLUMBING AND HVAC PLANS SHOULD BE PROVIDED BY A LOCAL CONTRACTOR.

10. SQUARE FOOTAGE CALCULATIONS ARE MADE FROM OUTSIDE OF EXTERIOR FRAME WALLS AND INCLUDE FINISHED AREAS ONLY. AREAS NOT INCLUDED ARE DECKS, PORCHES, GARAGES, BASEMENTS, ATTICS, FIREPLACES, ETC. TWO STORY, VAULTED AREAS AND STAIRS ARE COUNTED ONCE IN THE FIRST FLOOR SQUARE FOOTAGE CALCULATIONS, OR DO IS NOT COUNTED IN OUR SQUARE FOOTAGE CALCULATIONS.

11. AMERICAN GABLES HOME DESIGNS, INC. ASSUMES NO LIABILITY FOR ANY CHANGES OR MODIFICATIONS MADE TO THESE PLANS BY OTHERS.

12. THESE PLANS ARE PROTECTED BY COPYRIGHT. REPRODUCTION OF THE HOUSE PLANS, EITHER IN WHOLE OR PART, INCLUDING ANY FORM OF COPYING AND/OR PREPARATION OF DERIVATIVE WORKS THEREOF, FOR ANY REASON WITHOUT PRIOR WRITTEN PERMISSION BY AMERICAN GABLES HOME DESIGNS, INC. IS STRICTLY PROHIBITED.

NOTE:
SET FIRST FLOOR WINDOW HEADERS AT 7'-6" A.F.F. UNLESS OTHERWISE NOTED.

ALL FIRST FLOOR DOORS ARE 6'-8"H UNLESS OTHERWISE NOTED.

ALL ANGLES SHOWN ARE 45° UNLESS OTHERWISE NOTED.

SQUARE FOOTAGE	
1ST FLOOR	1,771 SQ. FT.
OPT. BONUS ROOM	255 SQ. FT.
PORCHES	215 SQ. FT.
GARAGE	440 SQ. FT.

AMERICAN GABLES HOME DESIGNS, INC. hereby reserves its common law copyright and other property rights in these plans, designs, arrangements and ideas. These ideas, plans and designs are not to be reproduced, changed or copied in any form or manner whatsoever, nor are they to be assigned to any third party without first obtaining the express written permission from AMERICAN GABLES HOME DESIGNS, INC.

DAWSON

FIRST FLOOR PLAN

American Gables HOME DESIGNS, INC
2330 Johnson Ferry Place • Suite 330
Marietta, GA 30068 678-919-7717
www.AmericanGables.com

DRAWN BY: AMH
DATE: 07/11/19
REVISIONS:

Acknowledgement Of Plans Submittal ONLY!
Date 9-23-2021
Date

SHEET A2.2

IREDELL COUNTY · NC

IREDELL COUNTY
PO Box 788
349 North Center St.
Statesville, NC 28677

APPLICATION NUMBER
300682 Issue Date: 09/06/2019

Permit Type: ZONING RESIDENTIAL

Parcel Number	Street Address	Jurisdiction
4765808427.000	265 LONE PINE RD	IREDELL COUNTY

Owner Information	Applicant Information
Name: KENSON HOMES LLC	Name: ROLLANS SOIL & ENVIRONMENTAL SERVICES
Address:	Address: 470 NORTH BROAD STREET SUITE D MOORESVILLE, NC 28115
Phone:	Phone: (704)658-1723

Use Requested	Zone Code
Single Family Dwelling	r-20

Lot Acreage	F Setback	B Setback	L Setback	R Setback	Watershed	Flood Zone
0.776	35	35	15	15	N/A	NO

Remarks
sfd

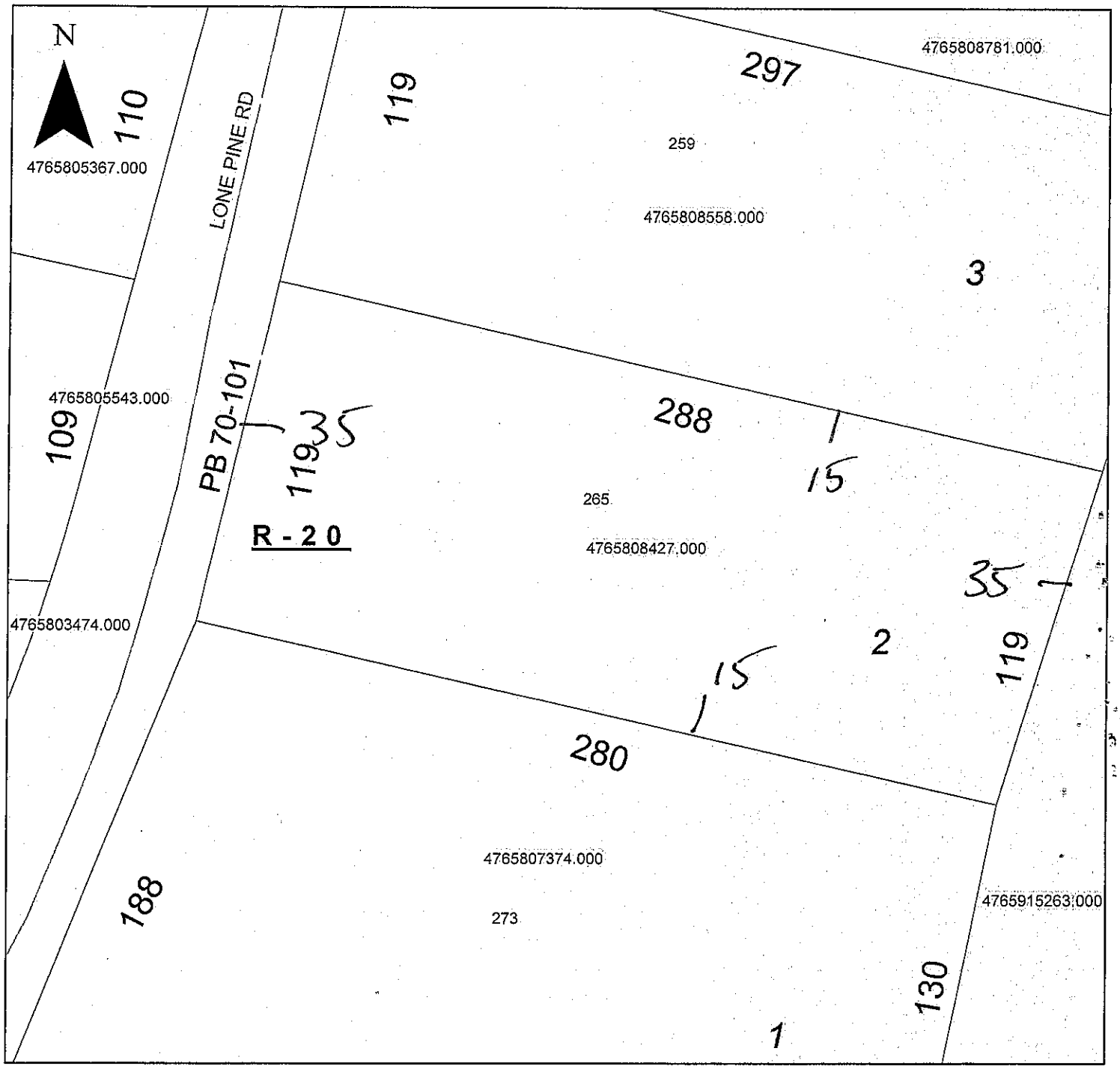
The applicant certifies that there are no deed restrictions, contractual agreements or governmental regulations of any kind that interfere with or prohibit the use of the property or the use for which this permit is requested. The applicant further acknowledges that enforcement of deed restrictions, plat conditions and other contractual agreements will not be undertaken by Iredell County and is the sole responsibility of the affected parties.

Signature of Owner/Contractor

Date: 09/06/2019

Permit Number	000198	TOTAL FEES:	$77.25

ZONING DISCLAIMER



Property Address 265 Lone Pine

The applicant certifies that there are no deed restrictions, contractual agreements or governmental regulations of any kind that interfere with or prohibit the use of the property or the use for which this permit is requested. Applicant further acknowledges that the enforcement of deed restrictions, plat conditions, and other contractual agreements will not be undertaken by Iredell County and is the sole responsibility of the affected parties.

Sam Keller
Applicant

9/12/19
Date