ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # AP 2022-5900

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

PIN # 4762 -- 41 -- 6314

APPLICANT/OWNER: Arrow Development LLC APPLICANT ADDRESS: 1519 Mecklenburg Hwy # 512, Mt. Mourne, NC 28123

SITE ADDRESS: 122 Kerr Walk Dr PHONE: 919-374-0121 ALT. PHONE –

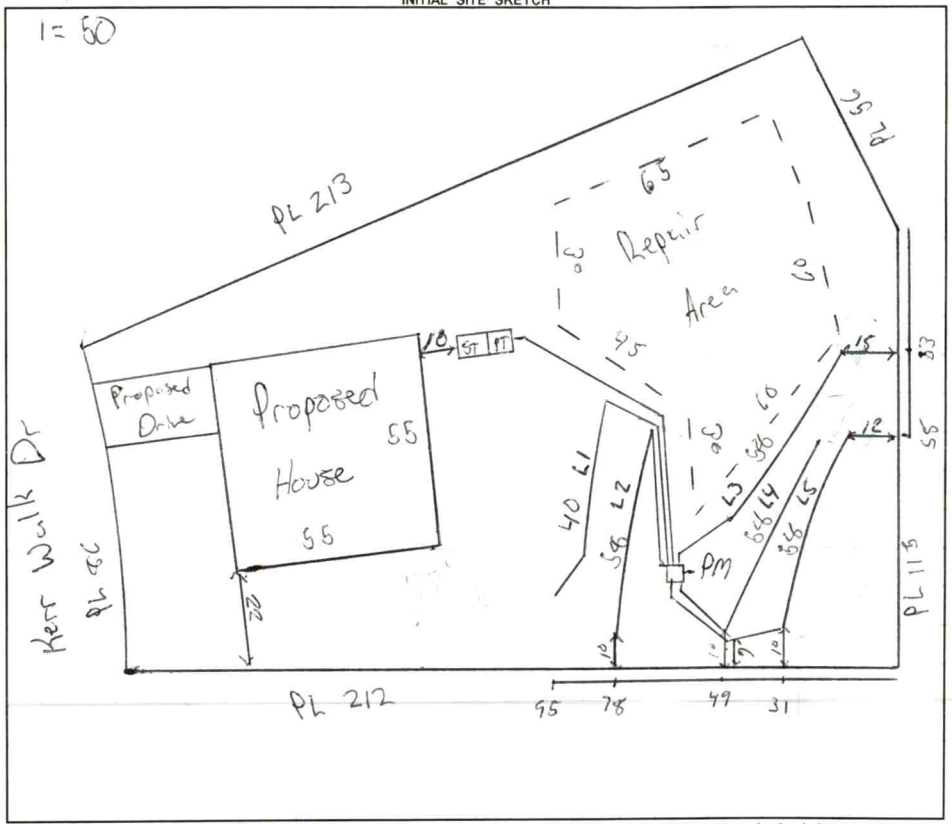
SITE DIRECTIONS: Bethesda, (L) into Northlake SAP CONTROLLED: ☐ YES ☑ NO

SUBDIVISION: Northlake SECTION: -- LOT # 18 LOT AREA: .63 AC DESIGN FLOW: 480 L.T.A.R.: .5 I / .25 R

Septic Tank	1000	(gal)	STB 760	Date	☑ New System	☐ Repair	☐ Expansion	System Type: I II III IV V VI	☑ Residence	No. Bedrooms 4	Water Supply
Pump Tank	1000	(gal)	PT 363	Date	System Description: 50% Reduction - PM- Horizontal				☐ Business	No. Persons 8	☐ Private
Pump Make		Model		Serial #	Repair System Description: 50% Reduction - PM- Horizontal				☐ Other	No. Employees	☑ Public
# Nitrification Fields	1	# Lines	5	Linear Ft 272	Maintenance Agreement Required:	☐ YES	☑ NO		☑ Slab	☐ Crawl Space	☐ Community
Trench Width	36in	Trench Bottom Depth (Low side)	36in max	Gravel Depth N/A		☐ GRAVITY	☑ PRESSURE		☐ Basement w/plumbing		☐ Basement w/o plumbing

Comments / Conditions: Install on contour with 9ft on center. Stay 10ft off PL with lines. Do not park, drive, or construct on septic area

INITIAL SITE SKETCH



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.

Tops
L1 : 1/2 sch 80 top @ 5.48
L2-L5: 1/2 sch 40 top @ 7.11
Flow : 33.92
Time : 6.5
Drawdown : 10.5

10/13/2025
Line 1+4+5 Checked ok more PM- + Feed from other End + BB

TANKS SH 10/7/25
LINES 2+3 SW 10/14/25
MANIFOLD

Floats
SH
Alarm
Electrical

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: Online Signature Date: Installed by: AJ Pope

IMPROVEMENT PERMIT by: Matt Wilkie Date: 12/27/22 OPERATION PERMIT by: Matt Wilkie Date: 11/26/25

AUTHORIZATION TO CONSTRUCT by: Matt Wilkie Date: 6/10/25 Existing System Inspected by: Date:

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

Item	Date	Initials
Drain Lines Checked		
Tanks Checked		
Pressure Manifold or Valve Box Checked		
Pressure Head Set		
Electrical Checked		
Floats Set		
Alarm Checked		
Maintenance Contract Needed? Y / N		
Comments:		

Repairs Only	
	State Code
Failing System Code	
Type of Distribution	G or P
Type of Failure/Malfunction	
Primary Cause of Failure/Malfunction	
Age of System? _____	
Initial or Repair? _____	

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

Sheet 1 of 1
PROPERTY ID #: 4762418791
COUNTY: Iredell

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

OWNER: Arrow Development LLC
ADDRESS: 1819 Mocksville Hwy
PROPOSED FACILITY: SFR
PROPOSED DESIGN FLOW (.1949): 480
LOCATION OF SITE: Lot 16
APPLICATION DATE: -
DATE EVALUATED: 11/29/22
PROPERTY SIZE: .63
PROPERTY RECORDED: No

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
1	LS 8%	0-22	C 1SBK	SS sp fr SE	10YR 5/2 at 25,20 & B 15-28	48	-	-	PS .25 deep
		22-48	CL/ABK	SS sp fi SE					
2	LS 10%	0-18	C 1SBK	SS sp fr SE	-	48	Lithic at 32	-	PS .3
		18-48	CL 1SBK	SSP fi SE					
3	LS 10%	0-6	SCL/Gr	NS np fr SE	-	48	-	-	PS .3
		6-18	C/SBK	SS sp fi SE					
		18-48	CL/SBK/MSK	SS sp fr SE					
4	LS 8%	0-7	SCL/Gr	SS sp fr SE	YB w/ Chroma 2 12-20	48	Sap fractured in bottom	-	PS .28 deep
		7-23	C/SBK	SS sp fr SE					
		23-48	CL/ABK	SS sp fi SE					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	360	360
System Type(s)	25%	50%
Site LTAR	.3	.25

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Matthew Wilkinson
OTHER(S) PRESENT:

COMMENTS:

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR*	LPP .1957 LTAR*	MINERALOGY/ CONSISTENCE	STRUCTURE
CC (Concave Slope)	I	S (Sand)	1.2 - 0.8	0.6 - 0.4	SEXP (Slightly Expansive)	G (Single Grain)
CV (Convex Slope)		LS (Loamy Sand)			EXP (Expansive)	M (Massive)
D (Drainage Way)						CR (Crumb)
DS (Debris Slump)	II	SL (Sandy Loam)	0.8 - 0.6	0.4 - 0.3		GR (Granular)
FP (Flood Plain)		L (Loam)				SBK (Subangular Blocky)
FS (Foot Slope)						ABK (Angular Blocky)
H (Head Slope)	III	Si (Silt)	0.6 - 0.3	0.3 - 0.15		PL (Platy)
L (Linear Slope)		SiCL (Silty Clay Loam)				PR (Prismatic)
N (Nose Slope)		CL (Clay Loam)				
R (Ridge)		SCL (Sandy Clay Loam)			**MOIST**	**WET**
S (Shoulder Slope)		SiL (Silt Loam)				
T (Terrace)					VFR (Very Friable)	NS (Non-sticky)
	IV	SC (Sandy Clay)	0.4 - 0.1	0.2 - 0.05	FR (Friable)	SS (Slightly Sticky)
		SiC (Silty Clay)			FI (Firm)	S (Sticky)
		C (Clay)			VFI (Very Firm v. Very Sticky)	VS (Very Sticky)
		O (Organic)	None	None	EFI (Extremely Firm)	NP (Non-plastic)
						SP (Slightly Plastic)
						P (Plastic)
						VP (Very Plastic)

*Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.

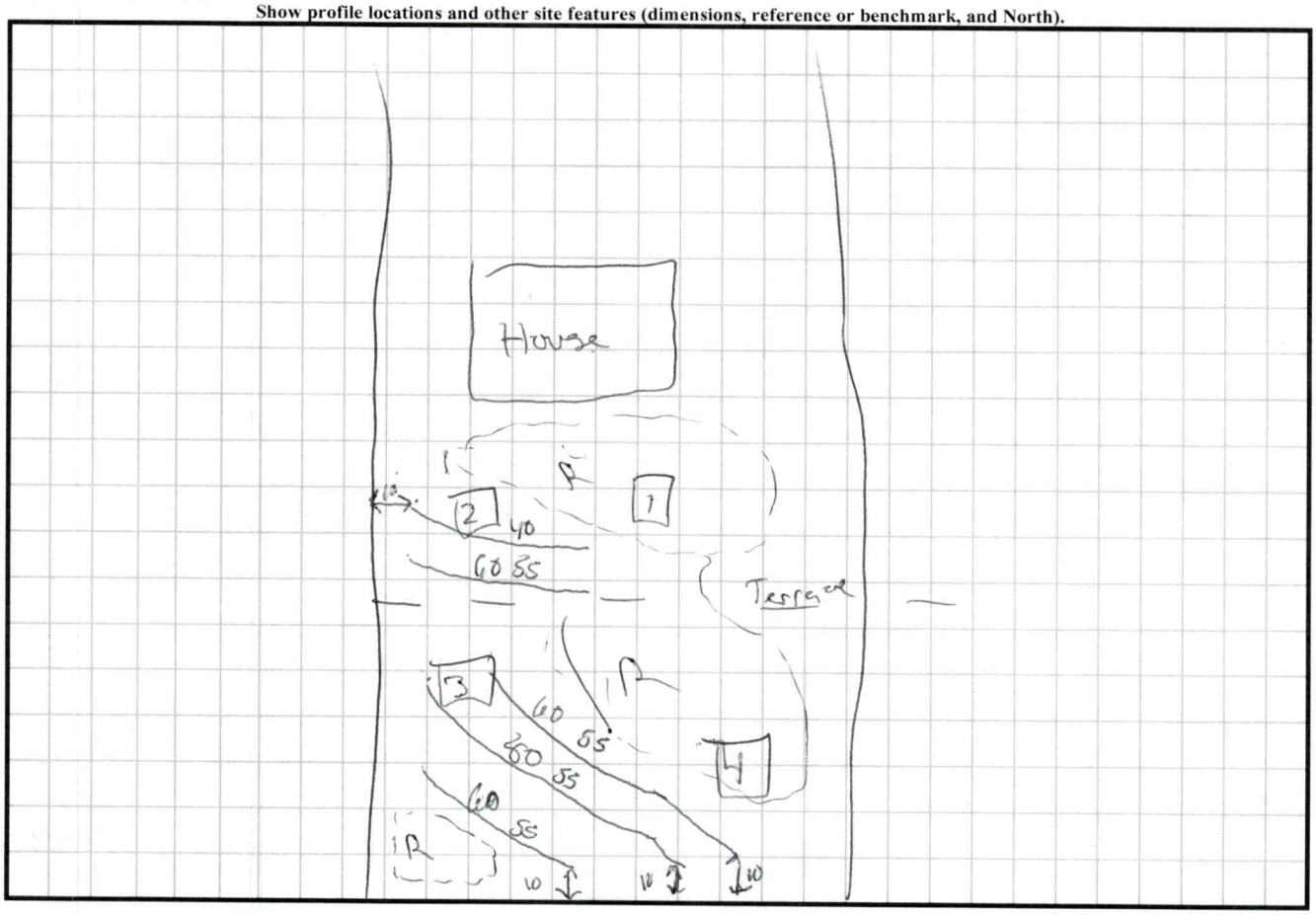
NOTES

HORIZON DEPTH	In inches below natural soil surface
DEPTH OF FILL	In inches from land surface
RESTRICTIVE HORIZON	Thickness and depth from land surface
SAPROLITE	S(suitable) or U(unsuitable)
SOIL WETNESS	Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or less - record Munsell color chip designation
CLASSIFICATION	S (Suitable), PS (Provisionally Suitable), or U (Unsuitable)

Evaluation of saprolite shall be by pits.

Long-term Acceptance Rate (LTAR): gal/day/ft²

Show profile locations and other site features (dimensions, reference or benchmark, and North).



all 10-ft off

267

PERMIT SNAPSHOT REPORT OSWP-2022-5900 FOR IREDELL COUNTY

Permit Type	Environmental Health OSWP	**Project:**		**App Date:**	10/03/2022
Work Class:	EH Septic Improvement Permit	**District:**	Iredell County	**Exp Date:**	NOT AVAILABLE
Status:	Fees Paid	**Square Feet:**	0.00	**Completed:**	NOT COMPLETED
Valuation:	$0.00	**Assigned To:**	Wilkinson, Matthew	**Approval Expire Date:**	
Description:	Lot 18				

Parcel: 4762418791.000 Main	**Address:** 122 Kerr Walk Dr Statesville, NC 28677 Main	**Zone:** RA(Residential Agricultural District)

Applicant/Authorized Agent
ARROW DEVELOPMENT LLC
1519 Mecklenburg Hwy #512
1518 Mecklenburg Hwy #512
Mt Mourne, NC 28123
Business: (919) 374-0121

Property Owner
M Black
Mobile: (919) 374-0121

Permit Custom Fields

How is your site plan being submitted	Survey Plat	Does the site contain any jurisdictional wetlands	No	Non-domestic Sewage Generated	No
Other Public Agency	No	All proposed structure dimensions	55 x 55	What are the proposed structures	New Single Family Residence
If other Addition/Structure, please explain		Maximum Number of Bedrooms	4	Number of Occupants	8
Foundation Type	Concrete Slab Foundation	Water Supply	Other Public Water	Desired Septic System Type	Conventional (most common)
If other septic system type, please explain		Has this project been approved by TRC	No	Lot Acreage	0.63
Front Setback	35	Back Setback	35	Left Setback	15
Right Setback	15	Zoning Permit Issued Date	Oct 6 2022 12:00AM	Zoning Permit Expiration Date	Apr 4 2023 12:00AM
Is the structure or development in the floodplain	No	Is the property in a local historic district?	No	Is the property located downtown?	No
Additional Unique Setbacks Apply	No	Watershed	NOT IN A WATERSHED		

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_Michael_Blackmon_10/3/2022.jpg	10/03/2022 10:06	,		Uploaded via CSS
Lot 18_v1.pdf	10/04/2022 12:00	Bailey, Julia	Available Online	Site Plan
Owner Auth_v1.pdf	10/04/2022 12:00	Bailey, Julia	Available Online	Authorize to Act as Agent

Inspection Number	Status	Inspection Type	Request Date	Scheduled Start Date	Scheduled End Date	Actual Start Date	Actual End Date
2022-24369	Passed - Permit	OSWP Septic/Well Preliminary Site Visit	10/10/2022			10/10/2022 8:34	10/10/2022 8:34

Inspectors: Kobuck, Teanna (Primary)

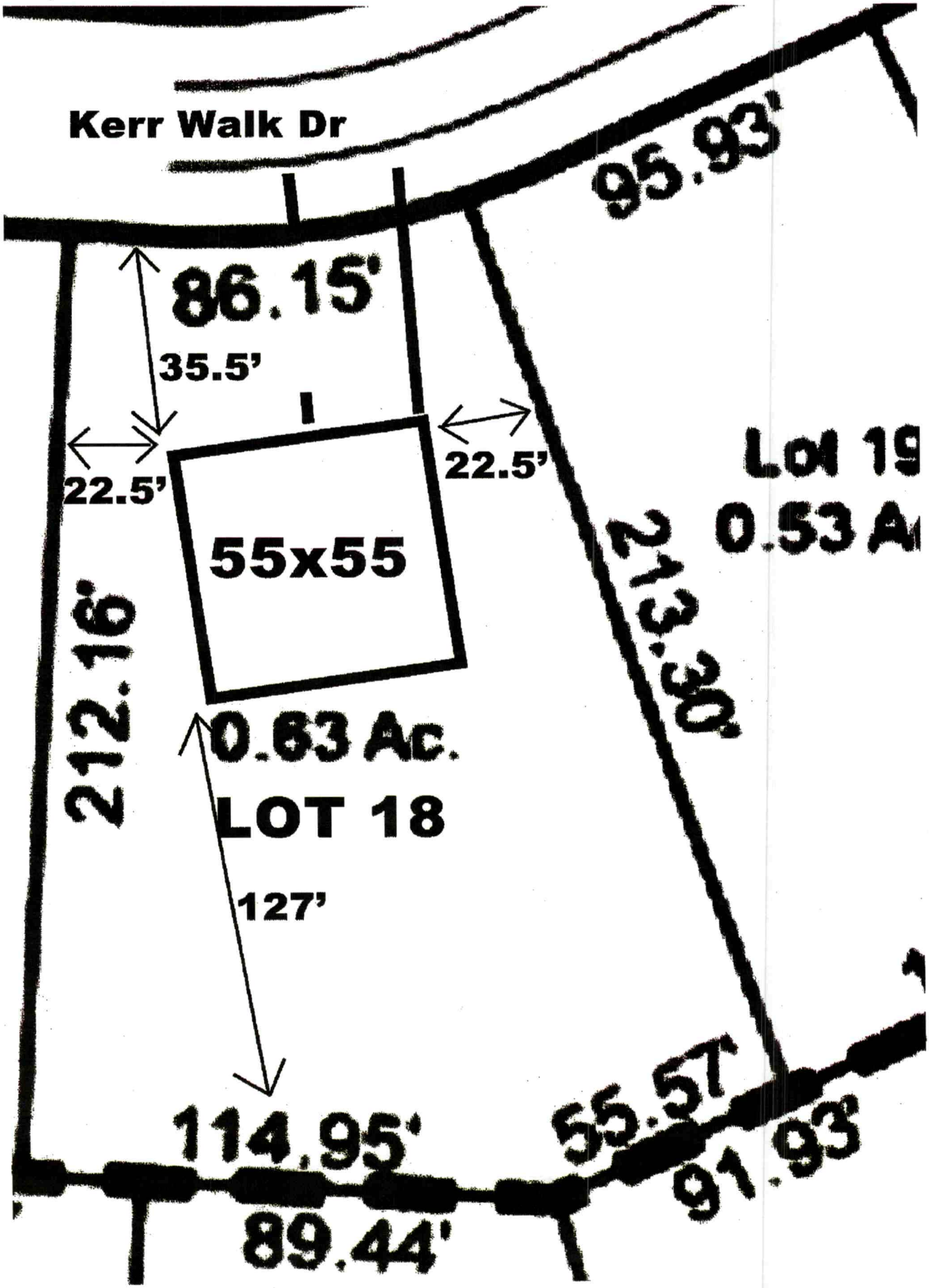
Checklist Item	Description	Passed	Comments
General Comments	Checklist item used to track general comments, not specific to any other checklist item	No	

Invoice No.	Fee	Fee Amount	Amount Paid
INV-00003181	New Gravity System	$500.00	$500.00
	Iredell Zoning Permit Fee	$75.00	$75.00
	Iredell Zoning Tech Fee	$2.25	$2.25
	Total for Invoice INV-00003181	$577.25	$577.25

PERMIT SNAPSHOT REPORT (OSWP-2022-5900)

	Grand Total for Permit	**$577.25**	**$577.25**

Workflow Step / Action Name	Action Type	Start Date	End Date
Application Completeness Check v.1		10/04/2022 0:00	10/04/2022 12:00
Confirm application complete v.1	Generic Action		10/04/2022 12:00
Fees v.1		10/05/2022 0:00	10/05/2022 15:34
Issue Invoice v.1	Generic Action		10/05/2022 10:32
Fees Paid v.1	Generic Action		10/05/2022 15:34
Zoning Review v.1		10/04/2022 0:00	10/05/2022 15:34
Iredell County Zoning Approval v.1	Task	10/04/2022 0:00	10/05/2022 15:34
Issue Invoice v.1	Generic Action		10/05/2022 15:34
Fees Paid v.1	Generic Action		10/05/2022 15:34
Lot Readiness Verification v.1		10/11/2022 0:00	
OSWP Septic Preliminary Site Visit v.1	Inspection	10/11/2022 0:00	10/11/2022 8:36
OSWP Site Evaluation v.1	Inspection		
Issue Improvement Permit v.1			
Issue Invoice v.1	Generic Action		
Fees Paid v.1	Generic Action		
Issue Permit v.1	Generic Action		
Permit Completion Process v.1			
Authorization to Construct Permit v.1	Create Sub Permit		
Issue Authorization to Construct v.1	Generic Action		


Kerr Walk Dr
95.93'
86.15'
35.5'
22.5'
22.5'
55x55
Lot 19
0.53 Ac
212.16'
213.30'
0.63 Ac.
LOT 18
127'
114.95'
55.57'
91.93'
89.44'