CW

MANF - 2023 55932

ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625

PERMIT # OSWP-2023-254869

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

PIN # 4713 -- 07 -- 6677

APPLICANT/OWNER: Doug Davidson APPLICANT ADDRESS: 325 Mayo St Statesville, NC 28677

SITE ADDRESS: 3111 Hickory Hwy Statesville, NC 28677 PHONE: (704) 622-1722 ALT. PHONE -

SITE DIRECTIONS: W Front St, (L) Newton Dr SAP CONTROLLED: ☐ YES ☑ NO

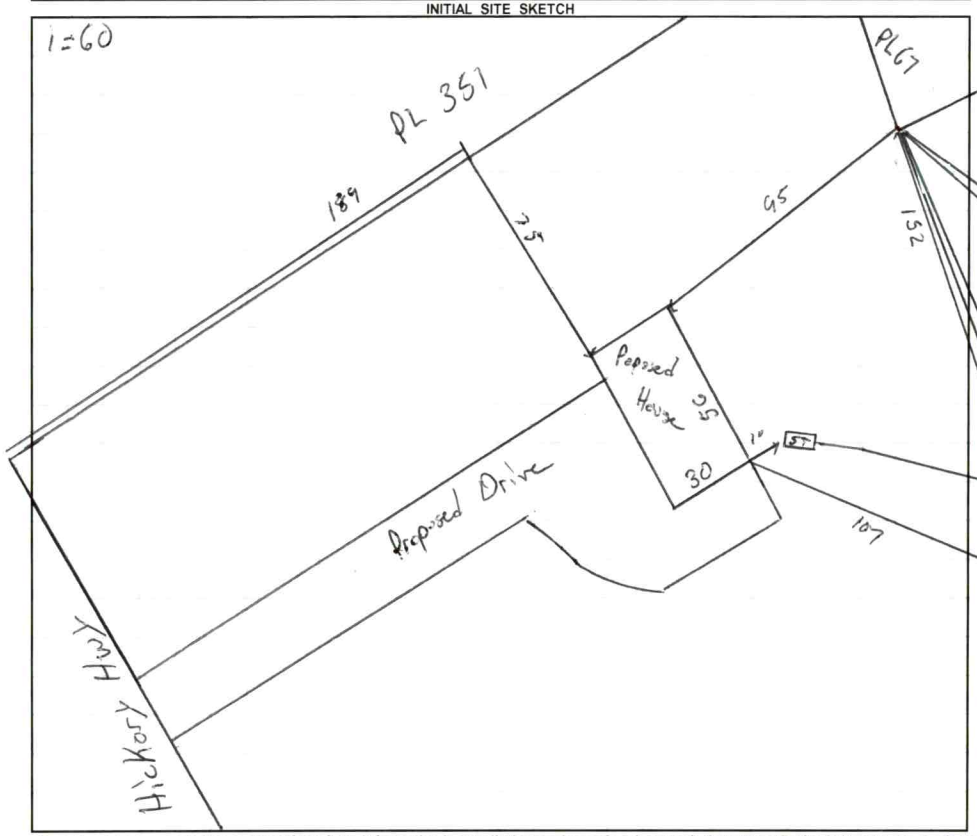
SUBDIVISION: - SECTION: - LOT # - LOT AREA: 5.338 Ac DESIGN FLOW: 360 L.T.A.R.: .25

Septic Tank	1000	(gal)	STB	Infiltrator	Date		☑ New System	☐ Repair	☐ Expansion	System Type: I II (III) IV V VI	
Pump Tank		(gal)	PT		Date		System Description:	25% Reduction - Serial			
Pump Make		Model			Serial #		Repair System Description:	25% Reduction - Serial			
# Nitrification Fields	1	# Lines	3		Linear Ft	360	Maintenance Agreement Required:	☐ YES	☑ NO		
Trench Width	36 in	Trench Bottom Depth(Low side)		14 in	Gravel Depth	N/A	☑ 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

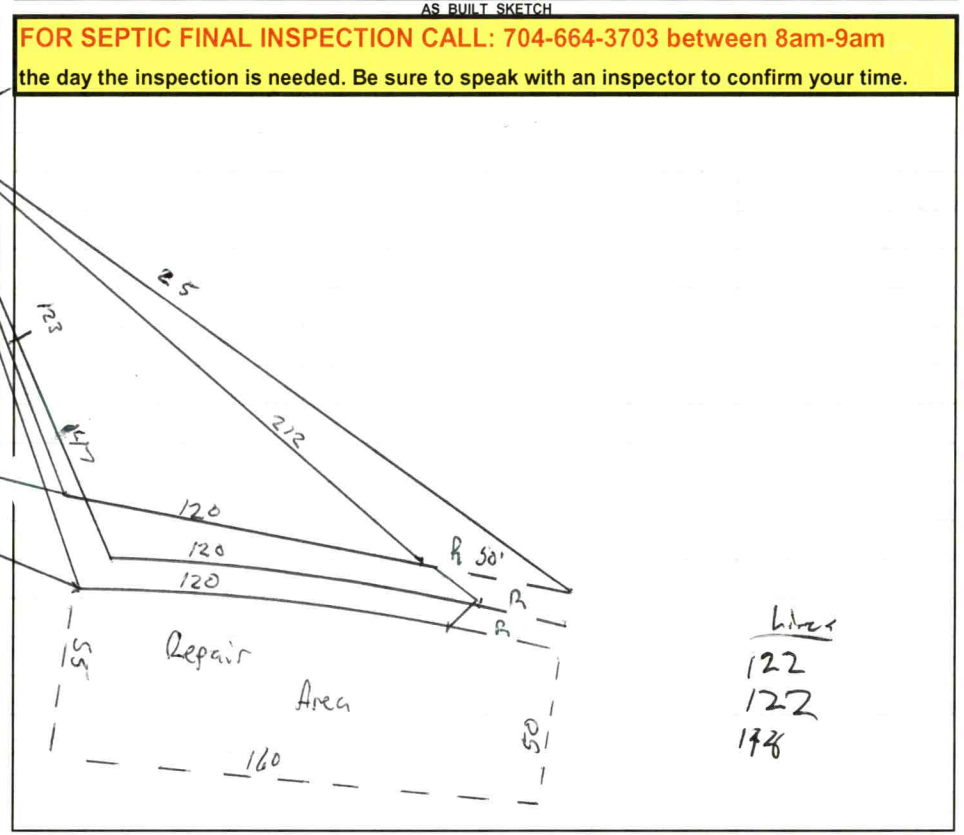
Comments / Conditions: Install on contour with 4ft centers.
Do not drive, park or construct on septic area.

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.



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: First response septic service

IMPROVEMENT PERMIT by: Mark Widhi Date: 8/3/23 OPERATION PERMIT by: Mark Widhi Date: 1/9/25

AUTHORIZATION TO CONSTRUCT by: Mark Widhi Date: 8/17/23 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 #: 4773076677
COUNTY: Iredell

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

OWNER: Doug Davidson
ADDRESS: 325 Mayo St, Statesville, NC 28677
PROPOSED FACILITY: SFR
PROPOSED DESIGN FLOW (.1949): 360
LOCATION OF SITE: 3111 Hickory Hwy
APPLICATION DATE 7/5/23
DATE EVALUATED: 7/27/23
PROPERTY SIZE: 5.338AC
PROPERTY RECORDED: yes

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) STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.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%	0-8	SCL/Gr	SS sp fr SE	2.5Y 7/3 10YR 6/6 22-35 7/8 at 30-35	45	-	-	PS .25
		8-26	C/ABK	SS sp fr SE					
		26-48	CL/ABK	SS sp fi SE					
2	LS 8%	0-8	SCL/Gr	SS sp fr SE	2.5Y 7/4 35+	52	-	-	PS .25 Shallow
		8-24	C/ABK	SS sp fr SE					
		24-52	CL/ABK	SS sp fr SE					
3	LS 6%	0-8	SCL/Gr	↓	10YR 6/2 at 43 10YR 6/6 & 2.5Y 7/3 mix	48	-	-	PS .25 Shallow
		8-36	C/SBK						
		36-48	CL/ABK						
4	LS 6%	0-7	SCL/Gr	↓	YB 35-46	48	-	-	PS .25 Shallow
		7-28	C/SBK						
		28-48	CL/ABK						

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

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

COMMENTS: 18 in Low side

Updated February 2014

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.

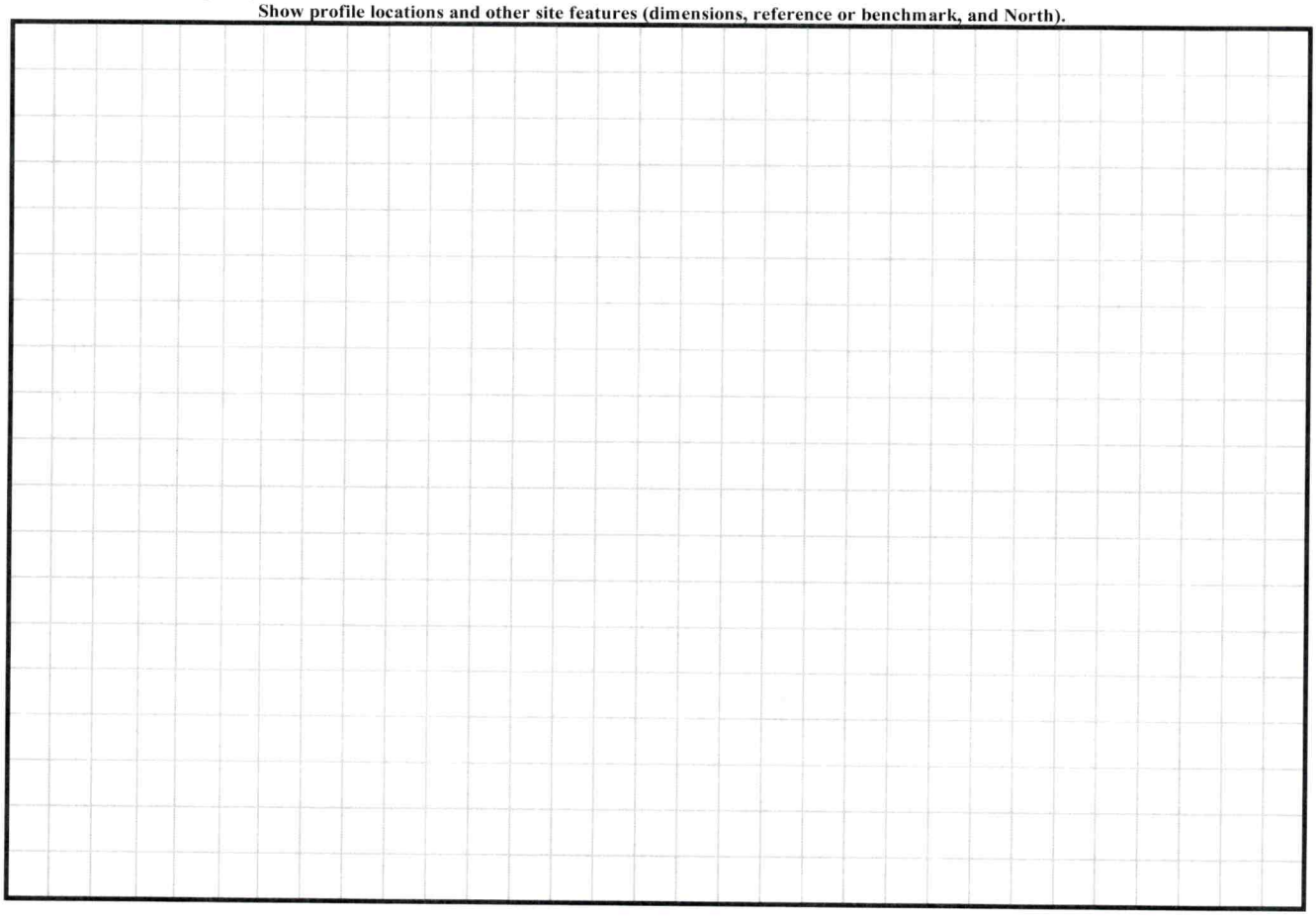
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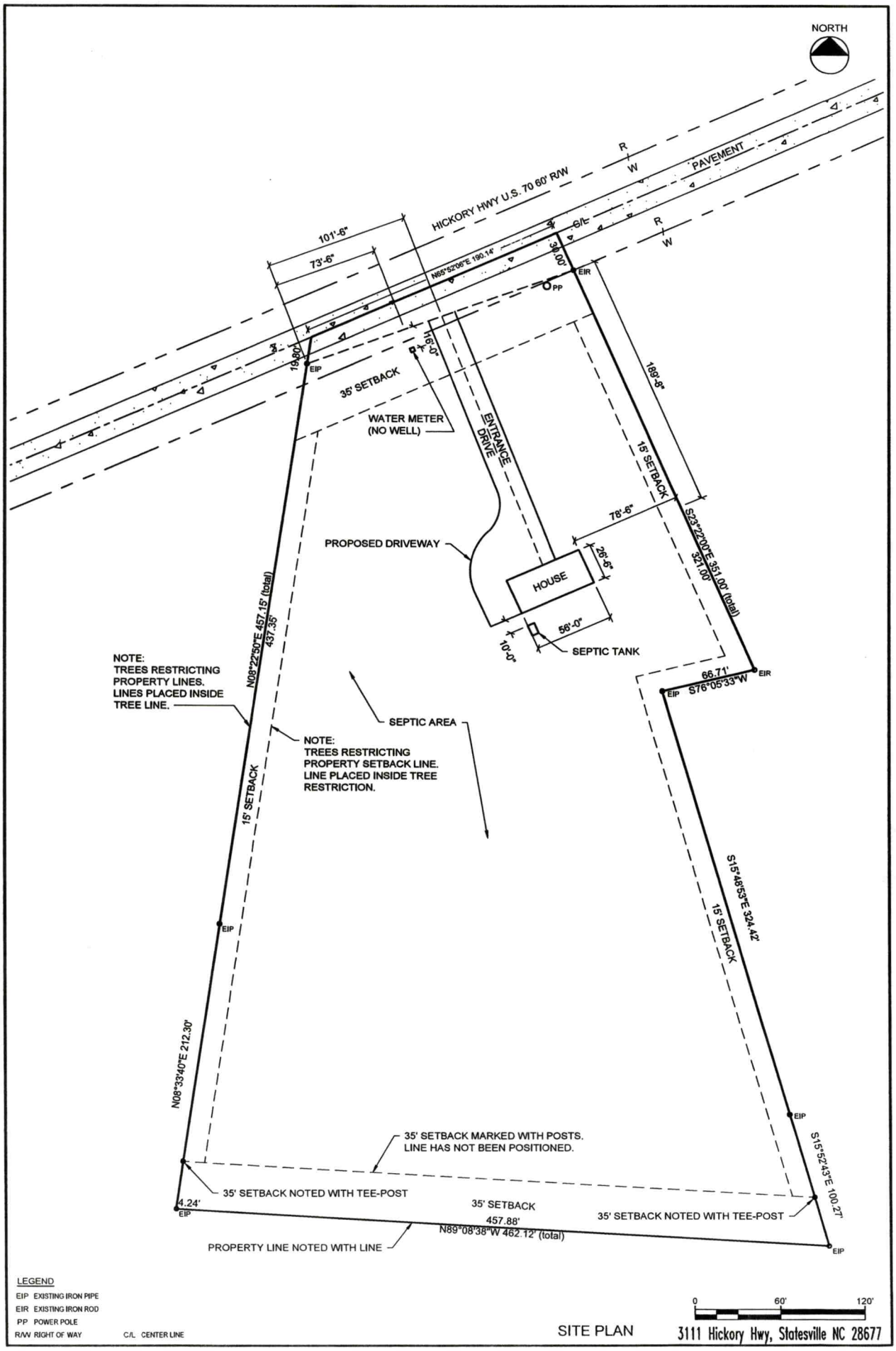
HORIZON DEPTH	In inches below natural soil surface
DEPTH OF FILL	In inches from land surface
RESTRICTIVE HORIZON	Thickness and depth from land surface
SAPROLITE	S(suitable) or U(unsuitable)
SOIL WETNESS	Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or 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/ft^2

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




NORTH
HICKORY HWY U.S. 70 60' R/W
R/W
PAVEMENT
C/L
101'-6"
73'-6"
N65°52'06"E 190.14'
30.00'
EIR
PP
116'-0"
19.80'
EIP
35' SETBACK
WATER METER
(NO WELL)
ENTRANCE DRIVE
189'-8"
15' SETBACK
78'-6"
S23°22'00"E 351.00' (total)
321.00'
PROPOSED DRIVEWAY
HOUSE
26'-6"
56'-0"
10'-0"
SEPTIC TANK
66.71'
S76°05'33"W
NOTE:
TREES RESTRICTING
PROPERTY LINES.
LINES PLACED INSIDE
TREE LINE.
N08°22'50"E 457.15' (total)
437.35'
SEPTIC AREA
NOTE:
TREES RESTRICTING
PROPERTY SETBACK LINE.
LINE PLACED INSIDE TREE
RESTRICTION.
15' SETBACK
S15°48'53"E 324.42'
N08°33'40"E 212.30'
35' SETBACK MARKED WITH POSTS.
LINE HAS NOT BEEN POSITIONED.
S15°52'43"E 100.27'
35' SETBACK NOTED WITH TEE-POST
4.24'
35' SETBACK
457.88'
N89°08'38"W 462.12' (total)
35' SETBACK NOTED WITH TEE-POST
PROPERTY LINE NOTED WITH LINE
LEGEND
EIP EXISTING IRON PIPE
EIR EXISTING IRON ROD
PP POWER POLE
R/W RIGHT OF WAY
C/L CENTER LINE
0
60'
120'
SITE PLAN
3111 Hickory Hwy, Statesville NC 28677

PERMIT SNAPSHOT REPORT OSWP-2023-29869 FOR IREDELL COUNTY

Permit Type: Environmental Health OSWP
Work Class: EH Septic Permit
Status: In Progress
Valuation: $0.00
Description: 25% conventional gravity fed reduction system ready. Site visit/Ready 7/21 3:45

Project:
District: Iredell County
Square Feet: 0.00
Assigned To: Wilkinson, Matthew
IP-AC Talked with applicant 7/21 he stated site is

App Date: 07/05/2023
Exp Date: NOT AVAILABLE
Completed: NOT COMPLETED
Approval Expire Date:

Parcel: 4713076677.000 Main

Address: 3111 Hickory Hwy Main
Statesville, NC 28677

Zone: RA(Residential Agricultural District)

Applicant/Authorized Agent
Doug Davidson
325 Mayo St
Statesville, NC 28677
Mobile: (704) 622-1722

Property Owner
Pedro Valentin Trevino Meza
Home: (704) 903-2977
Business: (704) 903-2977
Mobile: (704) 903-2977

Permit Custom Fields

How is your site plan being submitted	Custom Site Plan	Septic Application/Permit Type	Authorization to Construct, Improvement Permit	Does the site contain any jurisdictional wetlands	No
Non-domestic Sewage Generated	No	Other Public Agency	No	All proposed structure dimensions	House - 56' x 26'6"
What are the proposed structures	Manufactured Home	Type of New Single-Family Residence	Mobile Home	Maximum Number of Bedrooms	3
If other Addition/Structure, please explain		Number of Occupants	4	Foundation Type	Crawl Space Foundation
Residential/Business/Other	Residential	Water Supply	Other Public Water	Desired Septic System Type	Conventional (most common)
Lot Acreage	5.338	Front Setback	35	Back Setback	35
Left Setback	15	Right Setback	15	Zoning Permit Issued Date	Jul 6 2023 12:00AM
Zoning Permit Expiration Date	Jan 2 2024 12:00AM	Zoning Notes/Addendums	REQUIREMENTS FOR ALL MULTI -SECTIONAL MOBILE HOMES Must meet requirement R9 of the LDC. Minimum size of main body is at least 22 feet by 40 feet; Must have standard residential shingles; Minimum of 3/12 roof pitch; Must have continuous masonry underpinning; Must have minimum roof eave and raker projections of 6 inches; Must have a 36 square foot deck or porch at all front entrances; Exterior siding must consist of vinyl or aluminum lap siding, wood, or hardboard, comparable in composition, appearance and durability to residential siding; Must remove towing apparatus; Must face front property line and be no more than 20 degrees from parallel to the front property line. Original mobile home		must be removed before Certificate of Occupancy can be approved.

PERMIT SNAPSHOT REPORT (OSWP-2023-29869)

Additional Unique Setbacks Apply	No	Watershed	WSIV PA CATAWBA/LAKE NORMAN

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_Doug_Davidson_7/5/2023.jpg	07/05/2023 8:41	Davidson, Doug		Uploaded via CSS
Authorization to Act as Agent_v1.pdf	07/05/2023 10:22	COMEAUX, DEBRA	Available Online	Authorize to Act as Agent
Site Plan_v1.pdf	07/05/2023 10:22	COMEAUX, DEBRA	Available Online	Site Plan

Inspection Number	Status	Inspection Type	Request Date	Scheduled Start Date	Scheduled End Date	Actual Start Date	Actual End Date
2023-117540	Passed - Permit	OSWP Septic/Well Preliminary Site Visit	07/21/2023	07/21/2023 0:00	07/21/2023 0:00	07/21/2023 16:15	07/21/2023 16:15

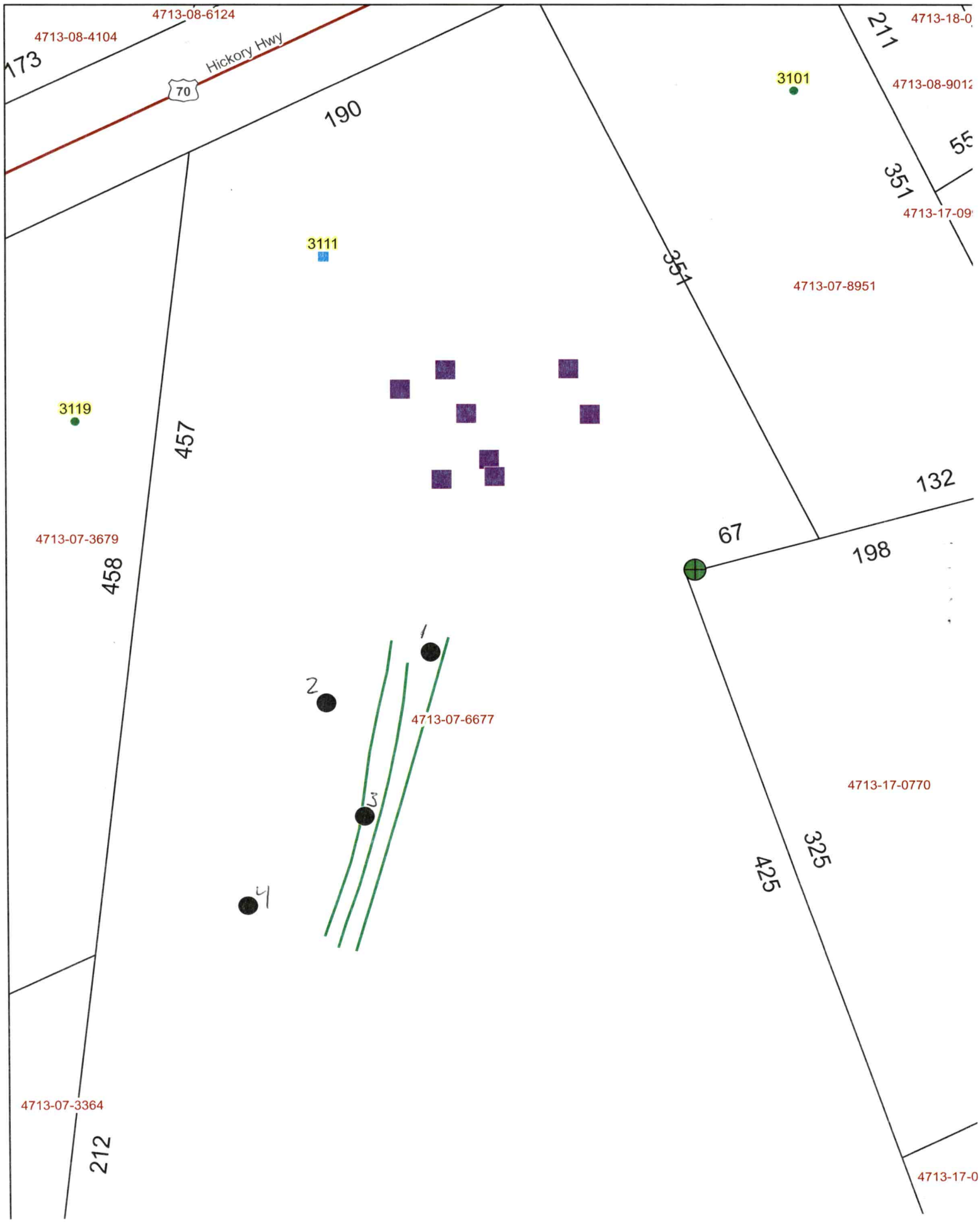
Inspectors: McLeod, Grace (Primary)

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

Note	Created By	Date and Time Created
1. 7/10/23	Sydney Holland	07/10/2023 7:18
2. Spoke to applicant 7/21 he stated site ready 2:22 pm.	Grace McLeod	07/21/2023 14:22

Invoice No.	Fee		Fee Amount	Amount Paid
INV-00016929	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-00016929	$577.25	$577.25
		Grand Total for Permit	**$577.25**	**$577.25**

Workflow Step / Action Name	Action Type	Start Date	End Date
Application Completeness Check v.1		07/05/2023 10:22	07/05/2023 10:22
Confirm application complete v.1	Generic Action		07/05/2023 10:22
Fees v.1		07/07/2023 13:15	07/07/2023 13:15
Fees Paid v.1	Generic Action		07/07/2023 13:15
Issue Invoice v.1	Generic Action		07/07/2023 13:15
Zoning Review v.1		07/05/2023 16:29	07/07/2023 8:51
~~Floodplain Admin Overview v.1~~	Task		07/05/2023 16:29
Iredell County Zoning Approval v.1	Task	07/05/2023 16:29	07/07/2023 8:51
Issue Invoice v.1	Generic Action		07/05/2023 16:29
Fees Paid v.1	Generic Action		07/07/2023 8:51
Lot Readiness Verification v.1		07/21/2023 16:15	
OSWP Septic Preliminary Site Visit v.1	Inspection	07/21/2023 16:15	07/21/2023 16:16
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		


4713-08-6124
4713-08-4104
173
Hickory Hwy
70
190
3101
4713-18-0
211
4713-08-9012
55
351
4713-17-09
3111
351
4713-07-8951
3119
457
132
67
198
4713-07-3679
458
1
2
4713-07-6677
3
4
4713-17-0770
325
425
4713-07-3364
212
4713-17-0