# ICHD - ENVIRONMENTAL HEALTH DIVISION

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

MW BLDR-2023-23462

PERMIT # 2023-25974

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

PIN # 3793 -- 97 -- 0487

APPLICANT/OWNER: Sterling Elmasri | APPLICANT ADDRESS: 351 N Shady Rest Rd, Statesville

SITE ADDRESS: 167 Stewart Acres Dr, Statesville 28677 | PHONE: 909-827-6544 | ALT. PHONE -

SITE DIRECTIONS: Old Mtn - Beulah - Mock Mill - Stewart Acres | SAP CONTROLLED: ☐ YES ☒ NO

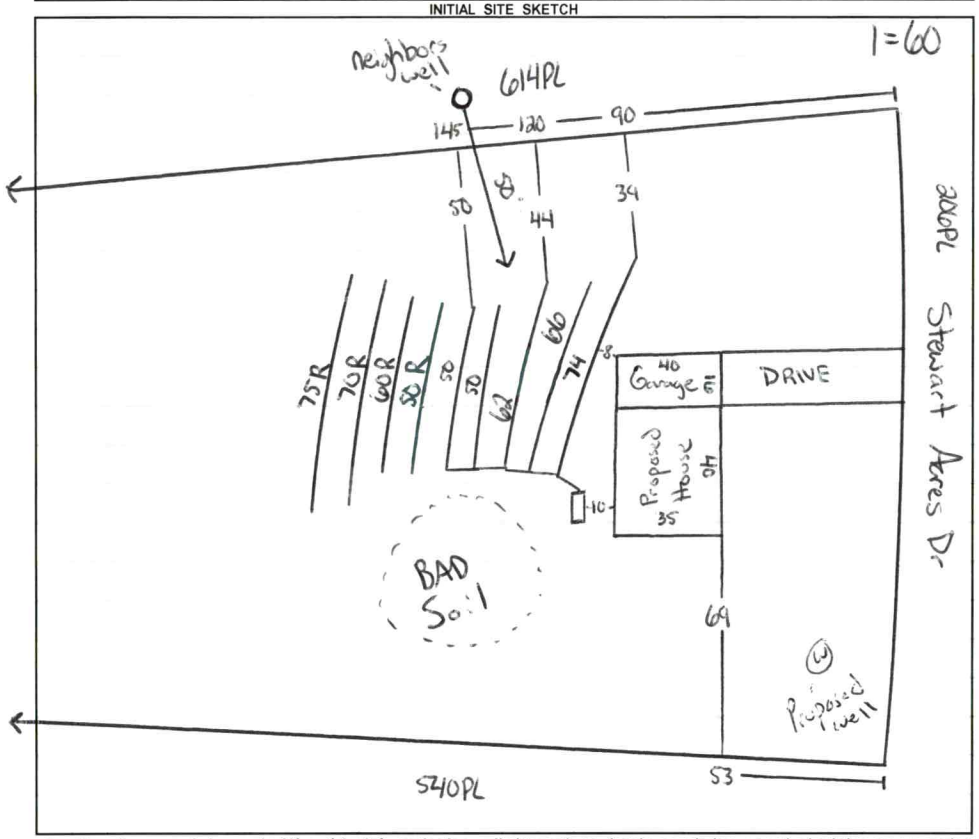
SUBDIVISION: Stewart Acres | SECTION: - | LOT # 18 | LOT AREA: 2.21 acres | DESIGN FLOW: 360 gpd | L.T.A.R.: 0.3 / .275

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Septic Tank | 1000 (gal) | STB | 760 | Date | 7/20/23 | ☒ New System ☐ Repair ☐ Expansion | System Type: I II (III) IV V VI | ☒ Residence | No. Bedrooms 3 |
| Pump Tank | (gal) | PT | | Date | | System Description: | 25% reduction | ☐ Business | No. Persons 6 |
| Pump Make | | Model | | Serial # | | Repair System Description: | 50% reduction | ☐ Other | No. Employees |
| # Nitrification Fields | 1 | # Lines | 5 | Linear Ft | 300' | Maintenance Agreement Required: | ☐ YES ☒ NO | ☐ Slab | ☒ Crawl Space |
| Trench Width | 36 in | Trench Bottom Depth(Low side) | 30 in | Gravel Depth | - | ☒ GRAVITY | ☐ PRESSURE | ☐ Basement w/plumbing | ☐ Basement w/o plumbing |

**Water Supply**: ☒ Private ☐ Public ☐ Community

Comments / Conditions: Install on contour with the land. Do not shallow up. Do not grade, park, or drive 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.

Installed as Drawn

*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: Piedmont Backhoe

IMPROVEMENT PERMIT by: Cory Whil | Date: 6/14/23 | OPERATION PERMIT by: Cory Whil | Date: 9/5/23

AUTHORIZATION TO CONSTRUCT by: Cory Whil | Date: 6/14/23 | 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? _____ | |

Sheet 1 of 1
PROPERTY ID #: 3293970487
COUNTY: Iredell

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

OWNER: Sterling Elmasri — APPLICATION DATE: 5/22/23
ADDRESS: 351 N Shady Rest Rd, Statesville — DATE EVALUATED: 6/13/23
PROPOSED FACILITY: 3 bd/2 home — PROPOSED DESIGN FLOW (.1949): 360 gpd — PROPERTY SIZE: 2.21 acres
LOCATION OF SITE: 167 Stewart Acres Dr, Statesville — PROPERTY RECORDED: yes
WATER SUPPLY: Private Public X Well Spring Other
EVALUATION METHOD: Auger Boring X Pit Cut — TYPE OF WASTEWATER: X 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 | Linear 10% | 0 - 10 | Fill | | - | 48 | SAP CL | inc in layer | .3 PS |
| | | 10 - 24 | C SBK | SS SP FR SE | | | | | |
| | | 24 - 48 | CL SBK | SS SP FR SE | | | | | |
| 2 | Linear 8% | 0 - 7 | Fill | | 10yr 6/2 at 25"-32" | 48 | SAP CL | inc in layer | ~~.25~~ PS .1 DRIP |
| | | 7 - 32 | C SBK | SS SP FR SE | | | | | |
| | | 32 - 48 | CL SBK | SS SP FR SE | | | | | |
| 3 | Linear 7% | 0 - 10 | Fill | | - | 48 | SAP CL | inc in layer | .275 PS |
| | | 10 - 32 | C SBK | S P FR SE | | | | | |
| | | 32 - 48 | CL SBK | SS SP FR SE | | | | | |
| 4 | Linear 10% | 0 - 6 | Fill | | - | 48 | SAP CL | inc in layer | .3 PS |
| | | 6 - 21 | C SBK | SS SP FR SE | | | | | |
| | | 21 - 48 | CL SBK | SS SP FR SE | | | | | |

| DESCRIPTION | INITIAL SYSTEM | REPAIR SYSTEM |
|---|---|---|
| Available Space (.1945) | ~~AP~~ PS | PS |
| System Type(s) | 25% | 50% |
| Site LTAR | .3 | .275 |

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Cory Whicker
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.

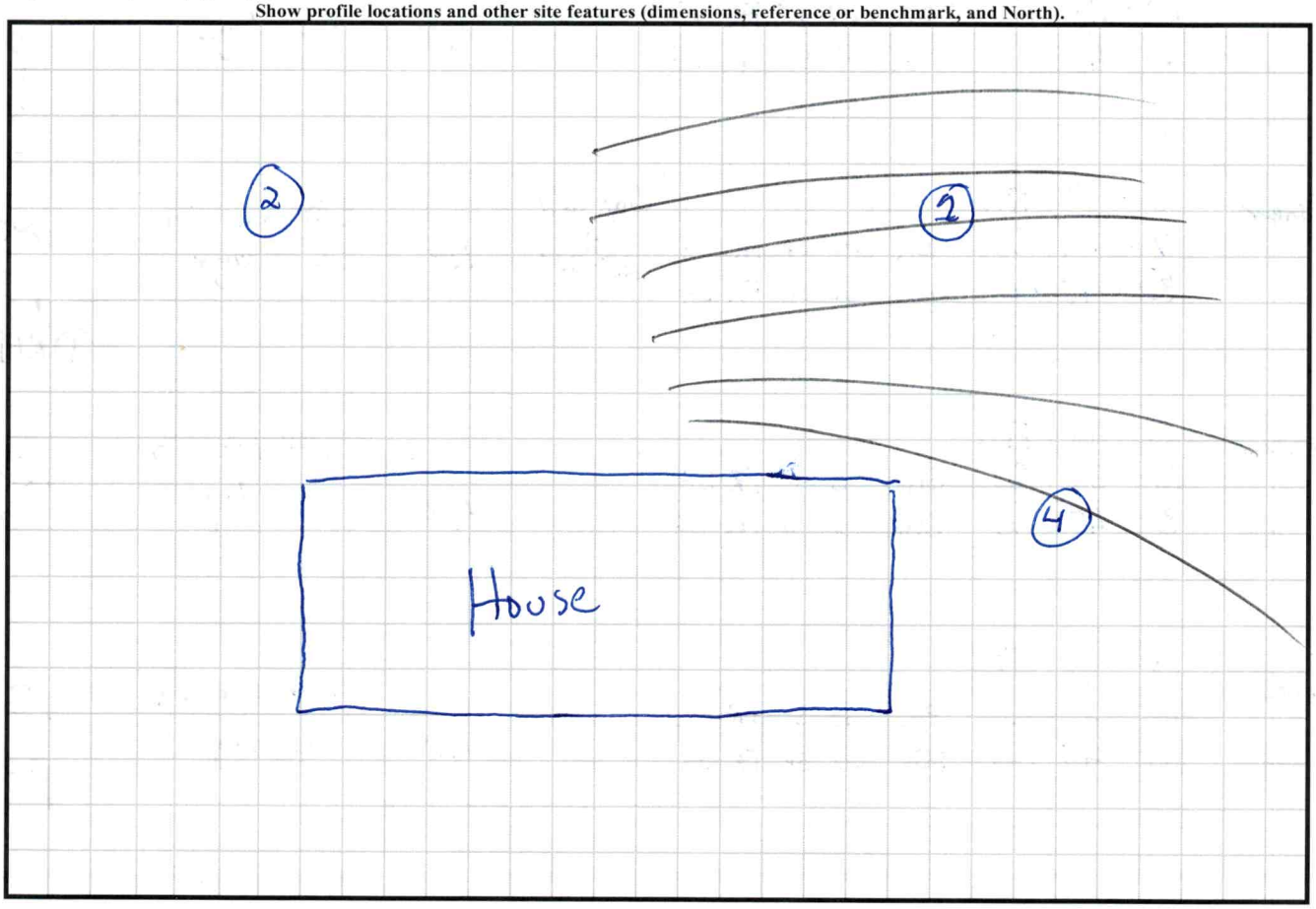
***NOTES***

| | |
|---|---|
| *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/ft$^2$

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



# PERMIT SNAPSHOT REPORT OSWP-2023-25974 FOR IREDELL COUNTY

**Permit Type:** Environmental Health OSWP
**Work Class:** EH Septic Permit
**Status:** In Progress
**Valuation:** $0.00
**Project:**
**District:** Iredell County
**Square Feet:** 0.00
**Assigned To:** Whicker, Cory
**App Date:** 05/22/2023
**Exp Date:** NOT AVAILABLE
**Completed:** NOT COMPLETED
**Approval Expire Date:**

**Description:** single family residential, new stick built house, no existing septic on property

**Parcel:** 3793970487.000 Main
**Address:** 167 Stewart Acres Dr Statesville, NC 28677 Main
**Zone:** R-20(Suburban Residential District)

Property Owner
sterling A elmasri
351 N Shady Rest Rd
statesville, NC 28677
Mobile: (909) 827-6544

Applicant/Authorized Agent
sterling A elmasri
351 N Shady Rest Rd
statesville, NC 28677
Mobile: (909) 827-6544

**Permit Custom Fields**

| | | | | | |
|---|---|---|---|---|---|
| How is your site plan being submitted | Custom Site Plan | Septic Application/Permit Type | Improvement Permit | Does the site contain any jurisdictional wetlands | No |
| Non-domestic Sewage Generated | No | Other Public Agency | No | All proposed structure dimensions | 38'x35' |
| What are the proposed structures | New Single Family Residence | Type of New Single-Family Residence | Stick Built | Maximum Number of Bedrooms | 3 |
| If other Addition/Structure, please explain | | Number of Occupants | 3 | Foundation Type | Crawl Space Foundation |
| Residential/Business/Other | Residential | Water Supply | New Well | Desired Septic System Type | Conventional (most common) |
| Lot Acreage | 2.2168 | Front Setback | 35 | Back Setback | 35 |
| Left Setback | 15 | Right Setback | 15 | Zoning Permit Issued Date | May 27 2023 12:00AM |
| Zoning Permit Expiration Date | Nov 23 2023 12:00AM | Additional Unique Setbacks Apply | No | Watershed | WSIV PA CATAWBA/LAKE NORMAN |

| Attachment File Name | Added On | Added By | Attachment Group | Notes |
|---|---|---|---|---|
| Signature_sterling_elmasri_5/23/2023.jpg | 05/22/2023 20:21 | elmasri, sterling | | Uploaded via CSS |
| septic_v1.pdf | 05/23/2023 9:06 | Nebel, Barbara | 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 |
|---|---|---|---|---|---|---|---|
| 2023-98928 | Passed - Permit | OSWP Septic/Well Preliminary Site Visit | 06/02/2023 | | | 06/02/2023 7:49 | 06/02/2023 7:49 |

**Inspectors:** Bracken, Sarah (Primary)

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

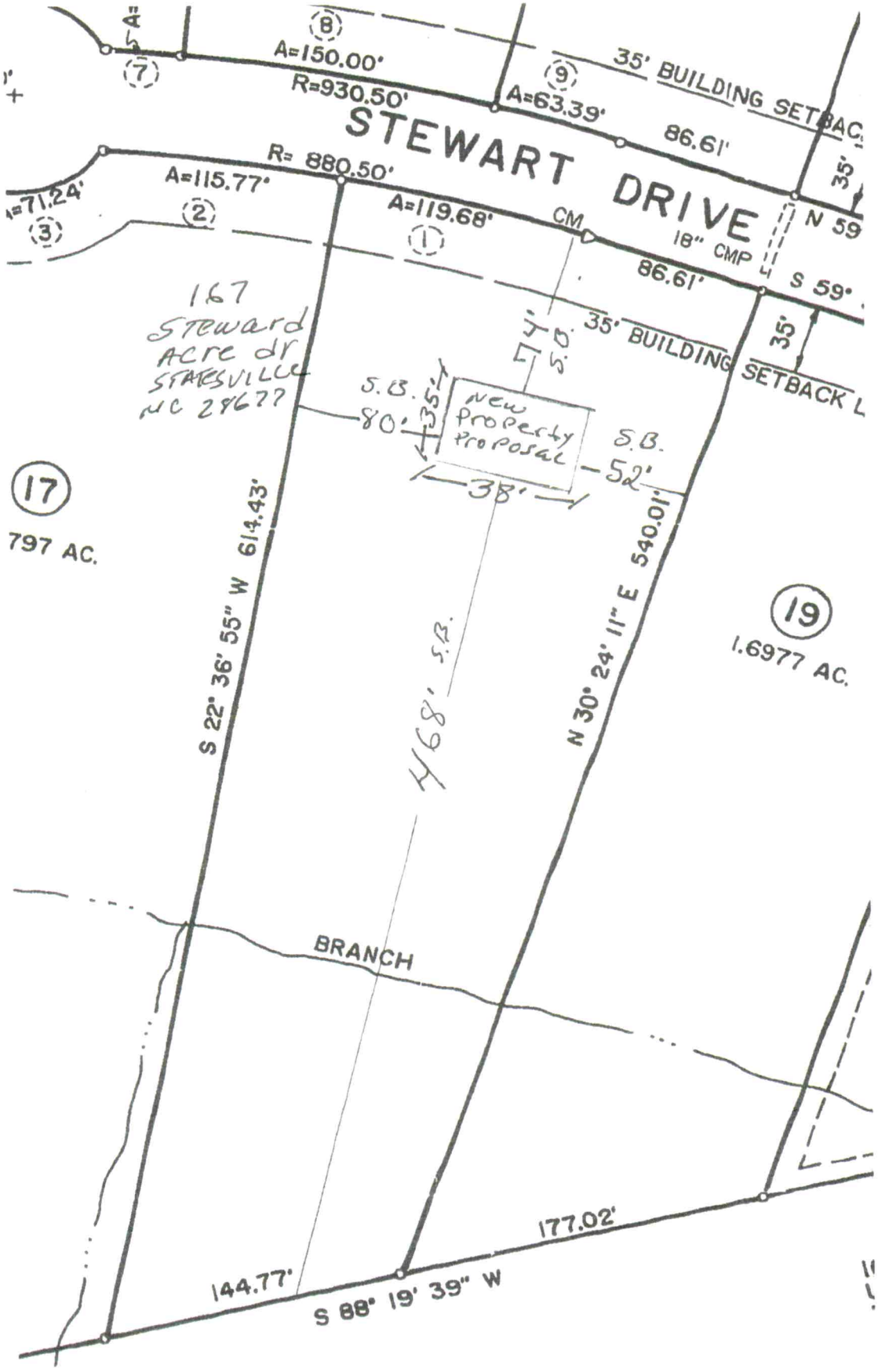
| Note | Created By | Date and Time Created |
|---|---|---|
| 1. Called, waiting for call back to make sure all is ready | Sarah Bracken | 05/30/2023 13:27 |

| Invoice No. | Fee | Fee Amount | Amount Paid |
|---|---|---|---|
| INV-00014729 | Iredell Zoning Permit Fee | $75.00 | $75.00 |
| | Iredell Zoning Tech Fee | $2.25 | $2.25 |
| | New Gravity System | $500.00 | $500.00 |
| | Total for Invoice INV-00014729 | $577.25 | $577.25 |

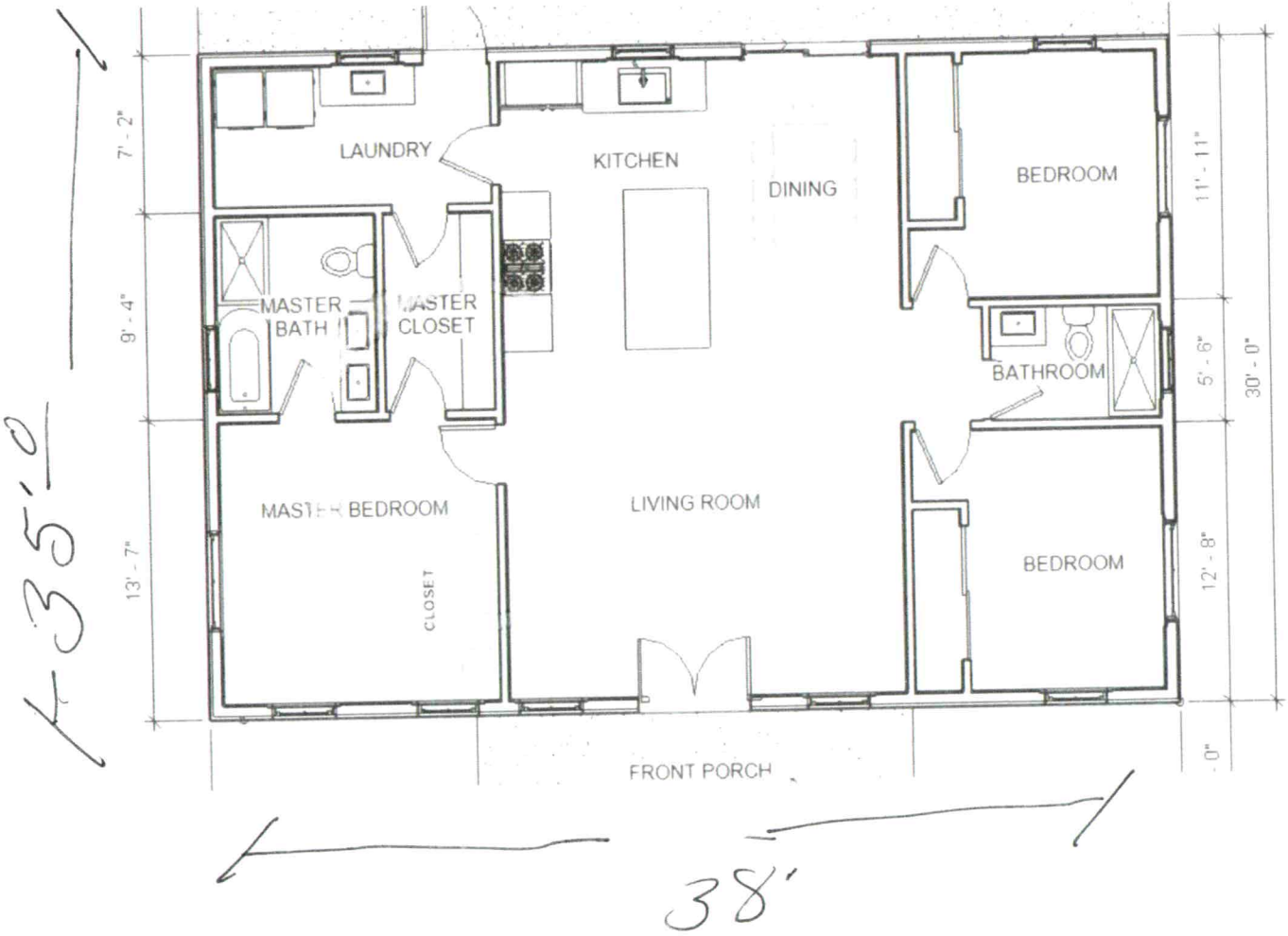
# PERMIT SNAPSHOT REPORT (OSWP-2023-25974)

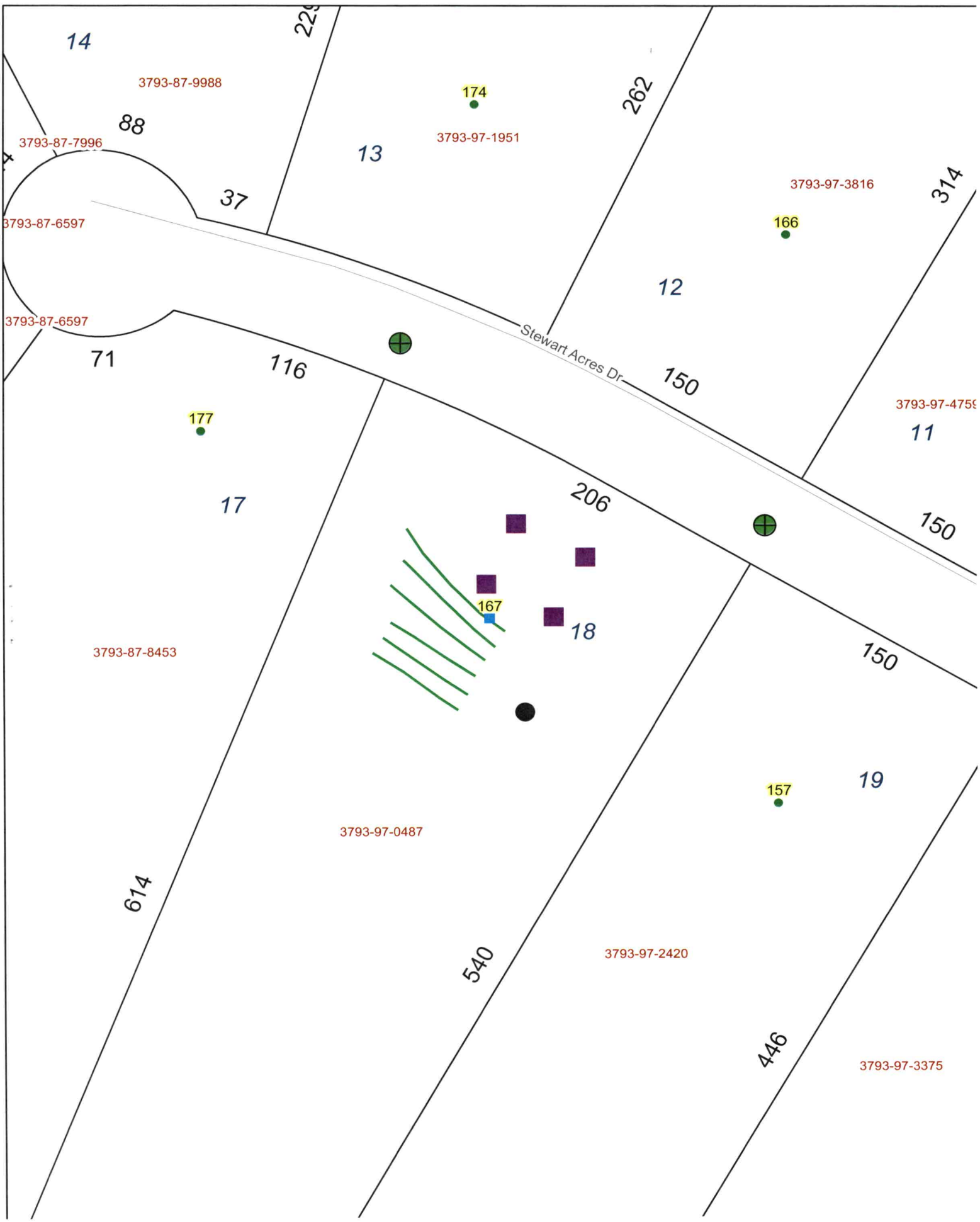
| | | | |
|---|---|---|---|
| | **Grand Total for Permit** | **$577.25** | **$577.25** |

| Workflow Step / Action Name | Action Type | Start Date | End Date |
|---|---|---|---|
| **Application Completeness Check v.1** | | 05/23/2023 9:11 | 05/23/2023 9:12 |
| Confirm application complete v.1 | Generic Action | | 05/23/2023 9:12 |
| **Fees v.1** | | 05/30/2023 10:48 | 05/30/2023 10:48 |
| Issue Invoice v.1 | Generic Action | | 05/30/2023 10:48 |
| Fees Paid v.1 | Generic Action | | 05/30/2023 10:48 |
| **Zoning Review v.1** | | 05/23/2023 9:12 | 05/30/2023 8:44 |
| ~~Floodplain Admin Overview v.1~~ | Task | | 05/25/2023 14:33 |
| Iredell County Zoning Approval v.1 | Task | 05/23/2023 9:12 | 05/30/2023 8:44 |
| Issue Invoice v.1 | Generic Action | | 05/25/2023 14:33 |
| Fees Paid v.1 | Generic Action | | 05/30/2023 8:44 |
| **Lot Readiness Verification v.1** | | 06/02/2023 7:48 | |
| OSWP Septic Preliminary Site Visit v.1 | Inspection | 06/02/2023 7:48 | 06/02/2023 7:49 |
| 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 | | |


STEWART DRIVE
35' BUILDING SETBAC
35' BUILDING SETBACK L
A=150.00'
R=930.50'
A=63.39'
86.61'
R= 880.50'
A=115.77'
A=119.68'
CM
18" CMP
86.61'
S 59°
N 59
35'
35'
167
Steward
Acre dr
STATESVILLE
NC 28677
5.0'
S.B.
80'
35'
NEW
PROPERTY
PROPOSAL
S.B.
52'
38'
17
797 AC.
S 22° 36' 55" W 614.43'
468' S.B.
N 30° 24' 11" E 540.01'
19
1.6977 AC.
BRANCH
177.02'
144.77'
S 88° 19' 39" W

ACE M. ASBURY


LAUNDRY
KITCHEN
DINING
BEDROOM
MASTER BATH
MASTER CLOSET
BATHROOM
MASTER BEDROOM
CLOSET
LIVING ROOM
BEDROOM
FRONT PORCH
7' - 2"
9' - 4"
13' - 7"
11' - 11"
5' - 6"
12' - 8"
30' - 0"
0"
35'-0"
38'


14
3793-87-9988
88
3793-87-7996
37
3793-87-6597
3793-87-6597
71
116
177
17
3793-87-8453
174
3793-97-1951
13
262
3793-97-3816
166
12
314
Stewart Acres Dr
150
206
150
150
3793-97-4759
11
167
18
157
19
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540
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446
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