ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 | Mooresville Office (704) 660-3625 | PERMIT # AP 327023

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

PIN # 4730 -- 70 --1680

APPLICANT/OWNER: Jose Luis Garcia | APPLICANT ADDRESS: 11209 Johnson Davis Rd, Huntersville NC 28078

SITE ADDRESS: 156 Crooked Branch Way, Troutman NC 28166 | PHONE: 704-707-7524 | ALT. PHONE 980-307-5872

SITE DIRECTIONS: (S) ON 21, (R) ON PERTH, (R) ON WINDING FOREST, (R) ON CROOKED BRANCH, LOT ON (R) | SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Winding Forest | SECTION: – | LOT # 48 | LOT AREA: 1.144 AC | DESIGN FLOW: 480GPD | L.T.A.R.: .3 (.1 Repr

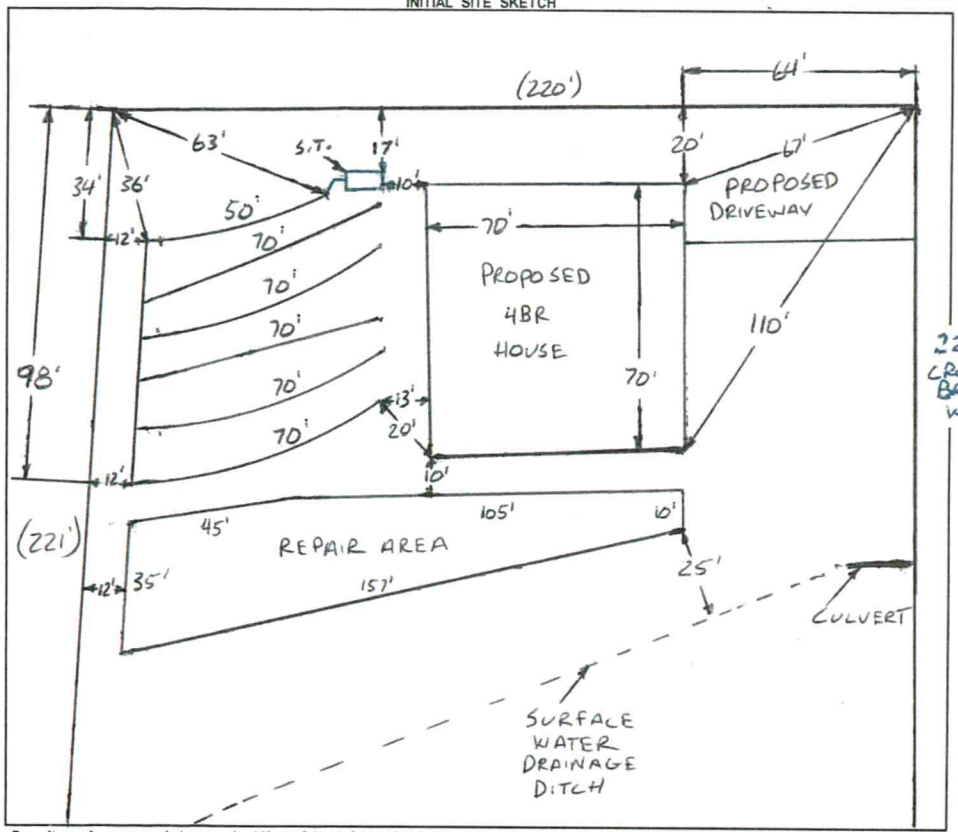
Septic Tank	1000	(gal)	STB		Date		☑ New System	☐ Repair	☐ Expansion	System Type: I II III IV V VI	
Pump Tank	–	(gal)	PT	–	Date	–	System Description:	25% Reduction Chambers			
Pump Make	–		Model	–	Serial #	–	Repair System Description:	Drip			
# Nitrification Fields	1		# Lines	10	Linear Ft	400	Maintenance Agreement Required:	☐ YES	☑ NO		
Trench Width	36 IN		Trench Bottom Depth(Low side)		24 IN		Gravel Depth	–	☑ GRAVITY	☐ PRESSURE	

☑ Residence	No. Bedrooms	4	Water Supply
☐ Business	No. Persons	8	☐ Private
☐ Other	No. Employees	–	☐ Public
☐ Slab	☑ Crawl Space		☑ Community
☐ Basement w/plumbing	☐ Basement w/o plumbing		

Comments / Conditions: INSTALL ON CONTOUR, INSTALL ON 9FT CENTERS, UTILIZE SERIAL DISTRIBUTION, DO NOT EXCEED A 32 IN MAX TRENCH DEPTH NO FOUNDATION DRAINAGE ON REAR OF HOUSE

MAINTAIN 50FT FROM ALL WELLS

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.

1 IN = 50 FT
S.T. = SEPTIC TANK

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**

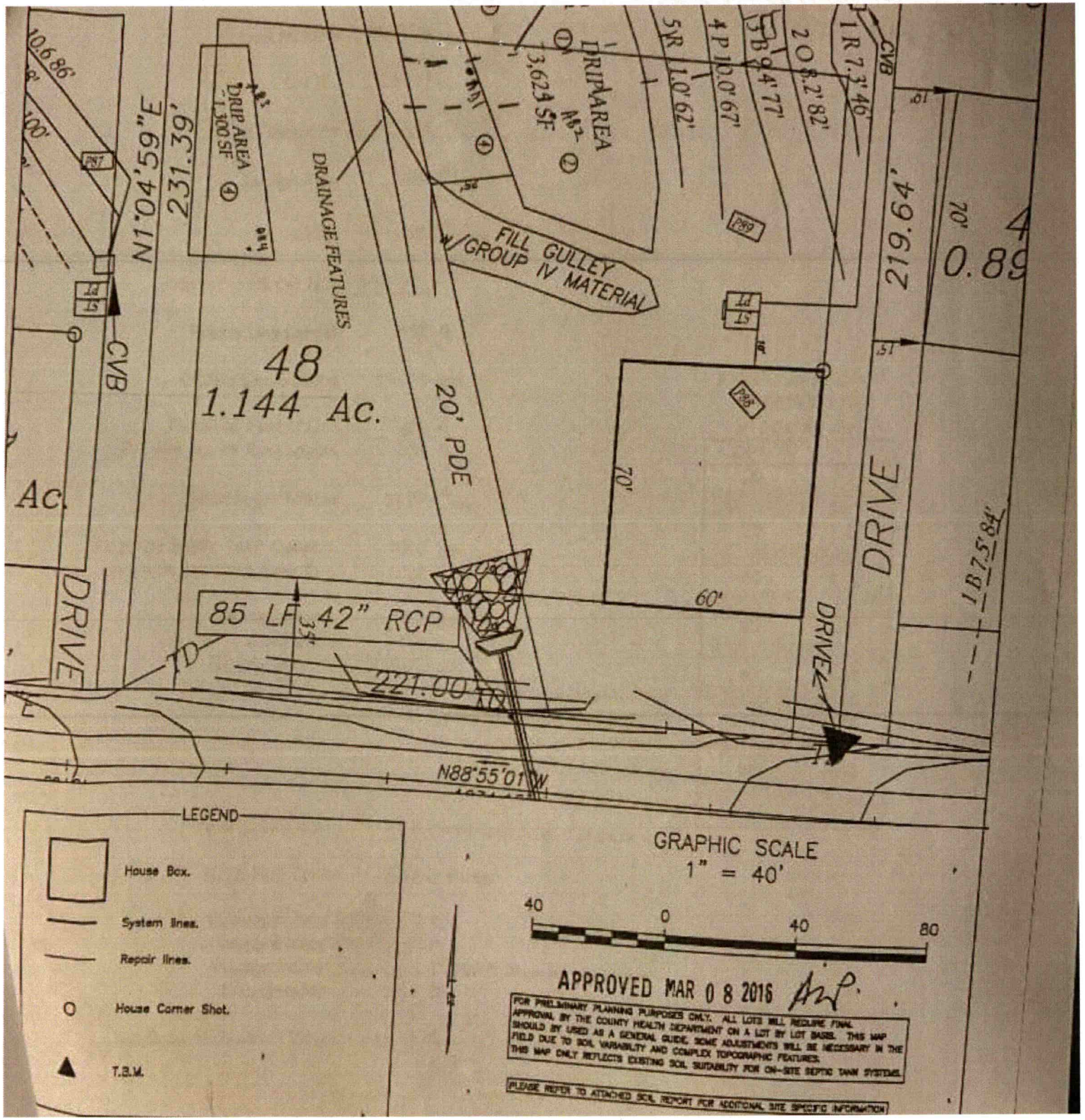
☐ **IMPROVEMENT PERMIT** *with plat valid without expiration.* ☑ **IMPROVEMENT PERMIT** *with site plan valid for 60 mos.* ☒ **AUTHORIZATION TO CONSTRUCT** *valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.*

Owner / Applicant Signature: [signature] Date: 6/23/22 Installed by: Lago Vista

IMPROVEMENT PERMIT by: Bryant C. White Date: 5-26-2022 OPERATION PERMIT by: Sarah Williams Date: 7/21/23

AUTHORIZATION TO CONSTRUCT by: Bryant C. White Date: 6-22-2022 Existing System Inspected by: Date:

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


10.6.86'
100'
N1°04'59"E
231.39'
DRIP AREA
1,300 SF
DRAINAGE FEATURES
DRIP AREA
3,623 SF
5R 10.62'
4P 10.67'
5B 9.77'
2 OB 2.82'
1 R 7.36'
CVB
FILL GULLEY
W/GROUP IV MATERIAL
48
1.144 Ac.
20' PDE
70'
60'
DRIVE
219.64'
0.89
LB 75.84'
85 LF 42" RCP
221.00'
N88°55'01"W
LEGEND
House Box.
System lines.
Repair lines.
House Corner Shot.
T.B.M.
GRAPHIC SCALE
1" = 40'
40 0 40 80
APPROVED MAR 0 8 2016
FOR PRELIMINARY PLANNING PURPOSES ONLY. ALL LOTS WILL REQUIRE FINAL APPROVAL BY THE COUNTY HEALTH DEPARTMENT ON A LOT BY LOT BASIS. THIS MAP SHOULD BY USED AS A GENERAL GUIDE, SOME ADJUSTMENTS WILL BE NECESSARY IN THE FIELD DUE TO SOIL VARIABILITY AND COMPLEX TOPOGRAPHIC FEATURES. THIS MAP ONLY REFLECTS EXISTING SOIL SUITABILITY FOR ON-SITE SEPTIC TANK SYSTEMS.
PLEASE REFER TO ATTACHED SOIL REPORT FOR ADDITIONAL SITE SPECIFIC INFORMATION

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

Sheet 1 of 1
PROPERTY ID #: 4730-70-1680
COUNTY: IREDELL

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

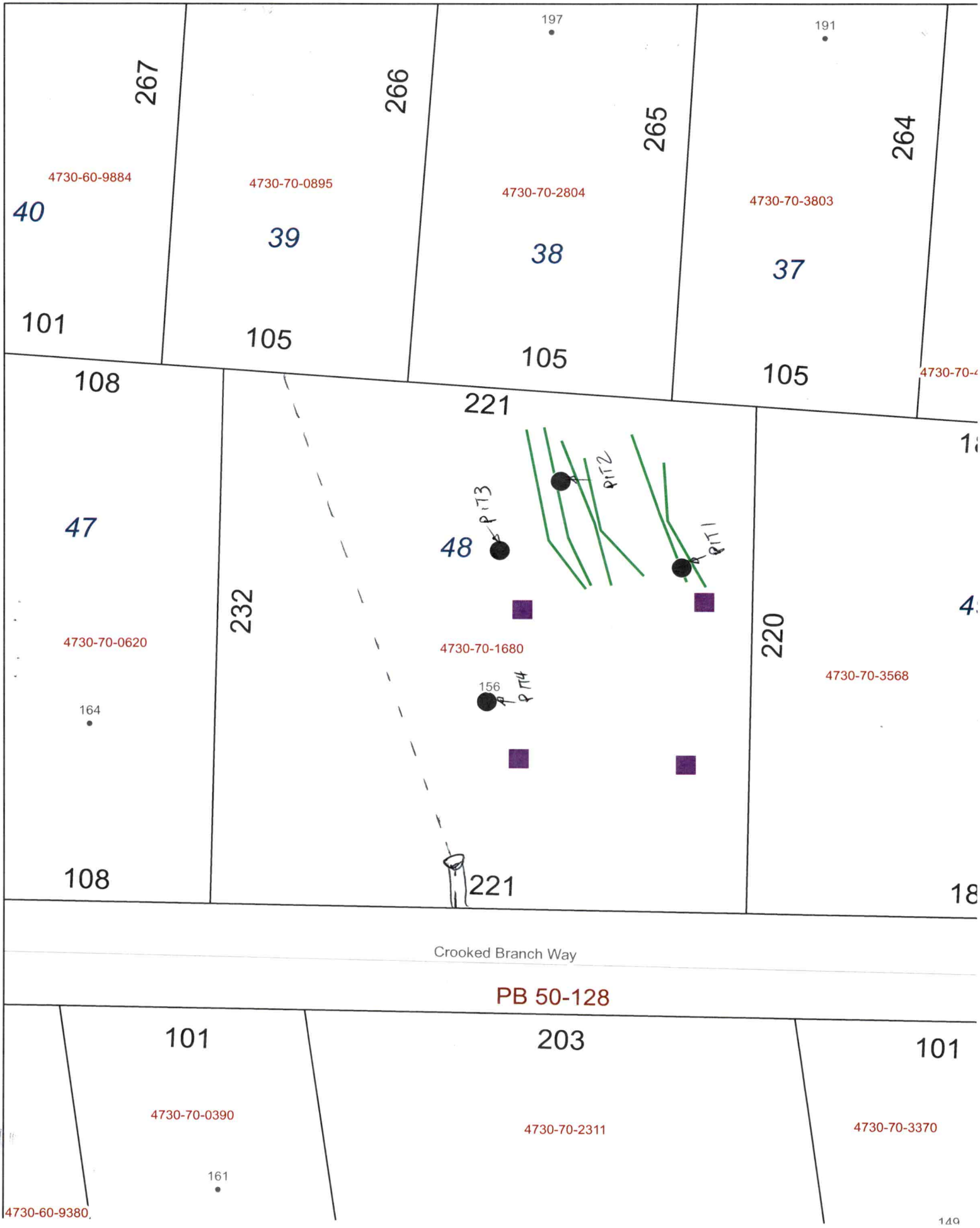
OWNER: JOSE LUIS GARCIA — APPLICATION DATE 3-31-2022
ADDRESS: 11209 JOHNSON DAVIS ROAD, HUNTERSVILLE, N.C. 28078 — DATE EVALUATED: 4-25-2022
PROPOSED FACILITY: 4 BR — PROPOSED DESIGN FLOW (.1949): 480 GPD — PROPERTY SIZE: 1.144 AC
LOCATION OF SITE: 156 CROOKED BRANCH WAY, TROUTMAN, N.C. 28166 — PROPERTY 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) .1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	LINEAR SIDE 5%	0-15	CL, SBK	FR, S, P, SEXP	SAP INC 0-44"	44"	PS II L	NA	PS .3
		15-44	CL, WSBK	FR, SS, SP, SEXP					
		44-72	SAP, MAS	VFR, NS, NP, SEXP					
2	LINEAR SIDE 4%	0-20	L, SBK	FR, S, P, SEXP	SAP INC THRU OUT MICA COMMON	52"	PS II L	NA	PS .3
		20-52	CL, WSBK	FR, SS, SP, SEXP					
		52-72	SAP, MAS	VFR, NS, NP, SEXP					
3	FOOT 10%	0-10	FILL	MIXE	SAP INC THRU OUT MICA COMMON	56"+	NA	NA	PS .3
		10-22	SCL, SBK	FR, SS, SP, SEXP					
		22-30	L, SBK	FR, S, P, SEXP					
		30-56	CL, WSBK	FR, SS, SP, SEXP					
4	TOE 12%	0-18	L, SBK	FR, S, P, SEXP	SAP INC THRU OUT YB MOTS 14"+ 10 YR 6/2 MOTS 23%	52"+	NA	NA	PS .1 DRIP
		18-52	SC, ABK	FI, VS, P, SEXP					

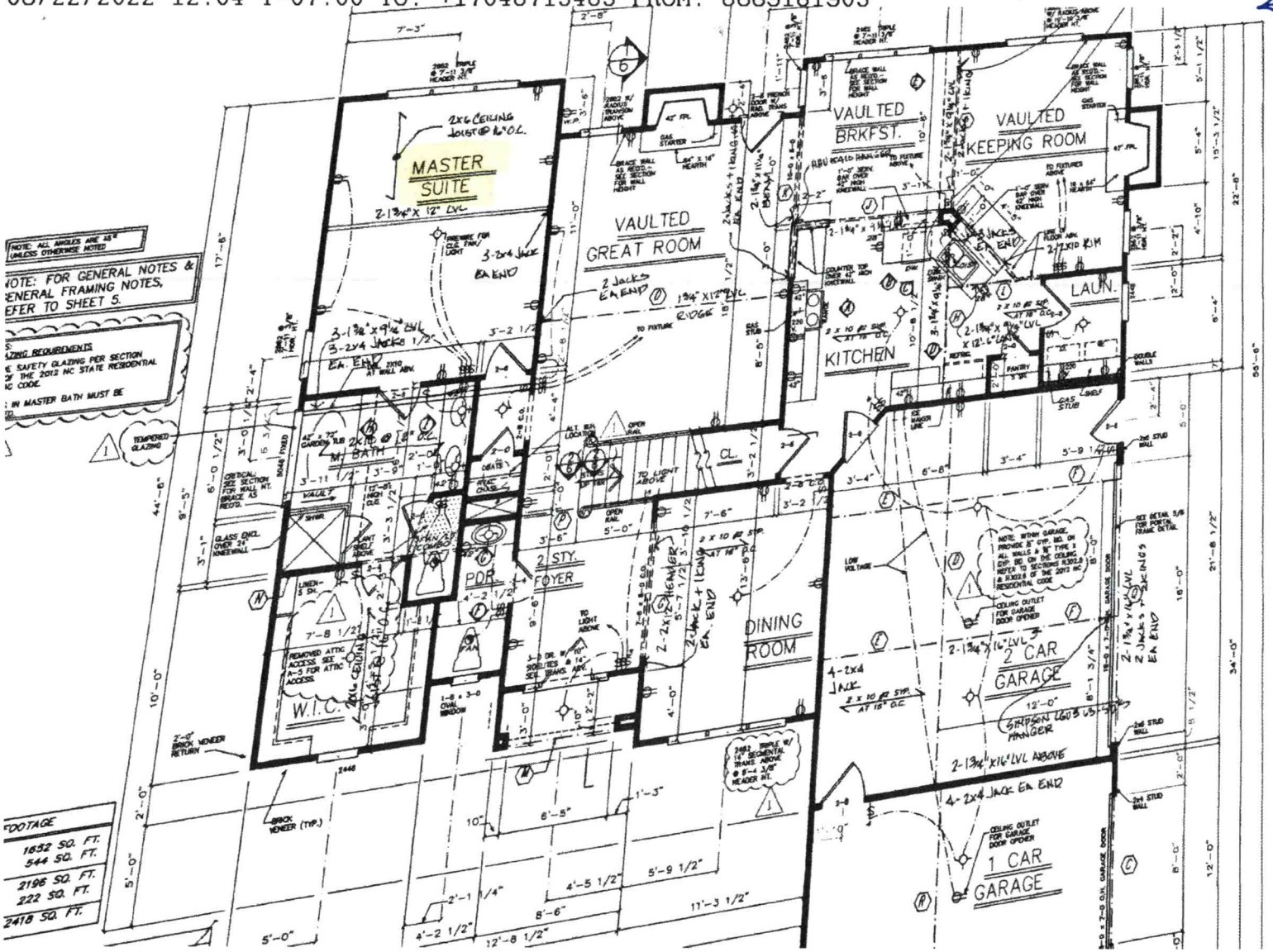
DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	25%	DRIP
Site LTAR	0.3	0.1

OTHER FACTORS (.1946): PS
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Bryant C. White
OTHER(S) PRESENT:

COMMENTS:


267
266
265
264
197
191
4730-60-9884
4730-70-0895
4730-70-2804
4730-70-3803
40
39
38
37
101
105
105
105
108
221
47
48
PIT 3
PIT 2
PIT 1
232
220
4730-70-0620
4730-70-1680
4730-70-3568
164
156
PIT 4
108
221
Crooked Branch Way
PB 50-128
101
203
101
4730-70-0390
4730-70-2311
4730-70-3370
161
4730-60-9380

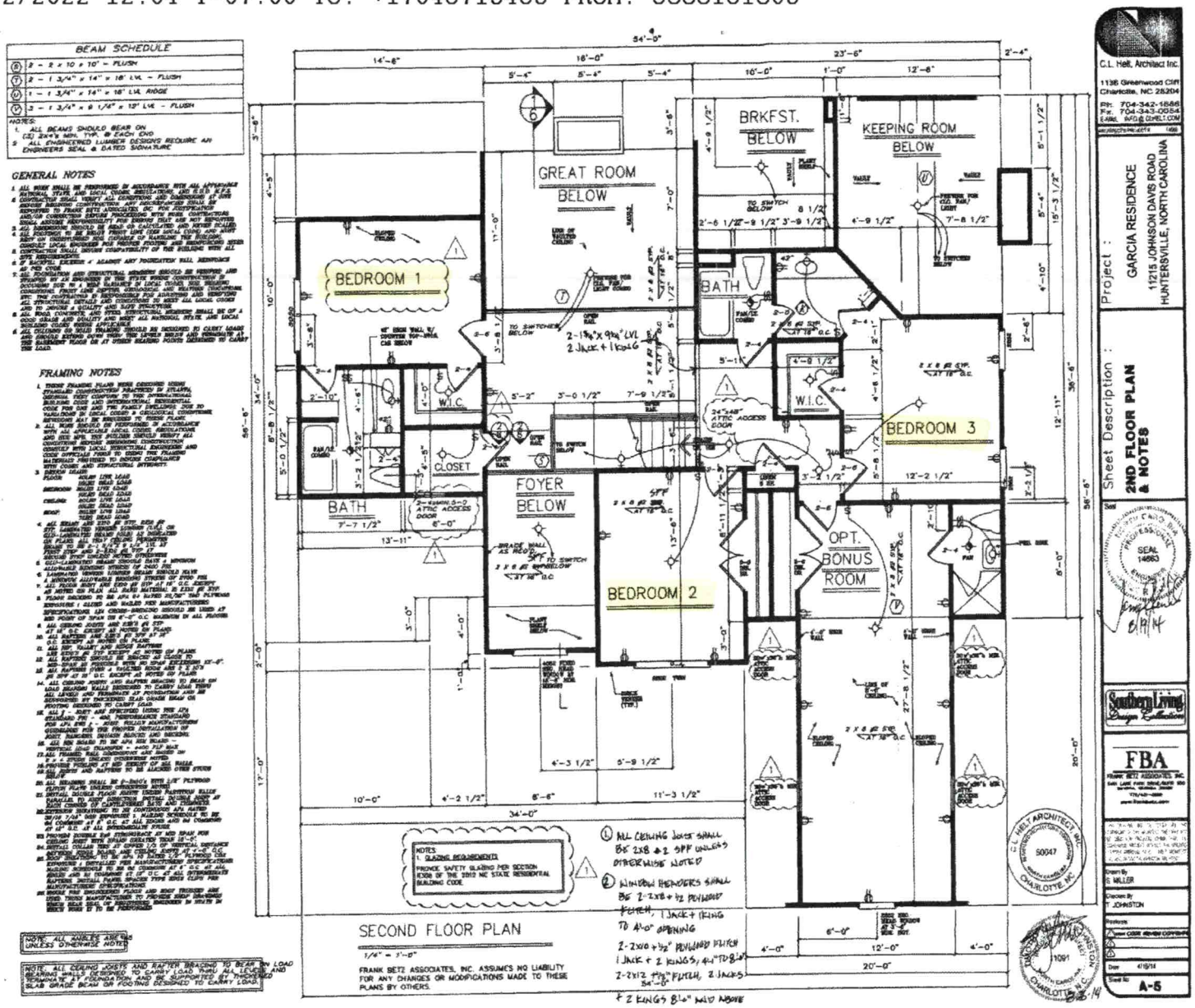
54'-0"



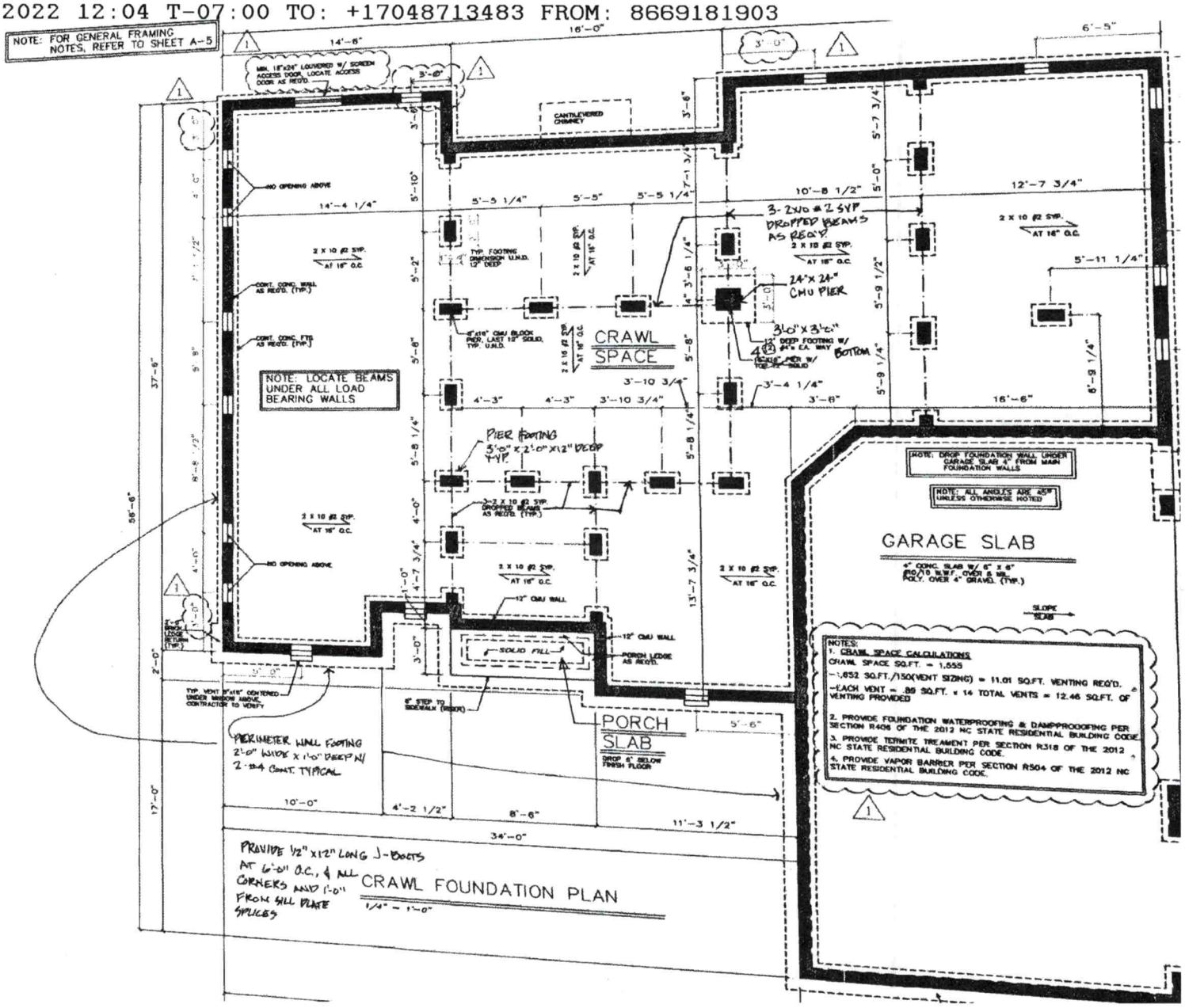
55'-6"

54'-0"

Acknowledgement Of Plans Submittal ONLY!
Date 6/23/22
Date 6-22-2022



Acknowledgement Of Plans Submittal ONLY!
Mayor R. G. Date 4/23/22
Buyer C. White Date 6-22-2022


NOTE: FOR GENERAL FRAMING NOTES, REFER TO SHEET A-5
MIN. 18"x24" LOUVERED W/ SCREEN ACCESS DOOR. LOCATE ACCESS DOOR AS REQ'D.
CANTILEVERED CHIMNEY
NO OPENING ABOVE
2 X 10 @2 SYP. AT 16" O.C.
CONT. CONC. WALL AS REQ'D. (TYP.)
CONT. CONC. FTG AS REQ'D. (TYP.)
TYP. FOOTING DIMENSION U.N.O. 12" DEEP
8"x16" CMU BLOCK PIER, LAST 12" SOLID, TYP. U.N.O.
3-2x10 #2 SYP DROPPED BEAMS AS REQ'D
24"x24" CMU PIER
3'-0"x3'-0"x12" DEEP FOOTING W/ #4 x E.A. WAY BOTTOM
CRAWL SPACE
NOTE: LOCATE BEAMS UNDER ALL LOAD BEARING WALLS
PIER FOOTING 3'-0" X 2'-0" X 12" DEEP TYP.
2-2 X 10 @2 SYP. DROPPED BEAM AS REQ'D. (TYP.)
12" CMU WALL
SOLID FILL
PORCH LEDGE AS REQ'D.
TYP. VENT 8"x16" CENTERED UNDER WINDOW ABOVE, CONTRACTOR TO VERIFY
6" STEP TO SIDEWALK (TYP.)
PERIMETER WALL FOOTING 2'-0" WIDE x 1'-0" DEEP W/ 2-#4 CONT. TYPICAL
PORCH SLAB
DROP 4" BELOW FINISH FLOOR
NOTE: DROP FOUNDATION WALL UNDER GARAGE SLAB 4" FROM MAIN FOUNDATION WALLS
NOTE: ALL ANGLES ARE 45° UNLESS OTHERWISE NOTED
GARAGE SLAB
4" CONC. SLAB W/ 6" x 6" W2.0/2.0 W.W.F. OVER 6 MIL POLY. OVER 4" GRAVEL (TYP.)
SLOPE SLAB
NOTES:
1. CRAWL SPACE CALCULATIONS
CRAWL SPACE SQ.FT. = 1,555
-1,652 SQ.FT./150(VENT SIZING) = 11.01 SQ.FT. VENTING REQ'D.
-EACH VENT = .89 SQ.FT. x 14 TOTAL VENTS = 12.46 SQ.FT. OF VENTING PROVIDED
2. PROVIDE FOUNDATION WATERPROOFING & DAMPPROOFING PER SECTION R406 OF THE 2012 NC STATE RESIDENTIAL BUILDING CODE
3. PROVIDE TERMITE TREAMENT PER SECTION R318 OF THE 2012 NC STATE RESIDENTIAL BUILDING CODE
4. PROVIDE VAPOR BARRIER PER SECTION R504 OF THE 2012 NC STATE RESIDENTIAL BUILDING CODE.
PROVIDE 1/2" x 12" LONG J-BOLTS AT 6'-0" O.C., & ALL CORNERS AND 1'-0" FROM SILL PLATE SPLICES
CRAWL FOUNDATION PLAN
1/4" = 1'-0"