ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # 309475

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

PIN # 4659 -56 -0574

APPLICANT/OWNER: Sunset Homes LLC APPLICANT ADDRESS: 19701 Bethel Church Rd #103-167 Cornelius NC 28031

SITE ADDRESS: 151 Sheep Path Drive Mooresville NC 28115 PHONE: ALT. PHONE

SITE DIRECTIONS: Shepherd Rd to Shepherd Bluff @ on Bluff Meadow Ln Sheep Path Drive SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Shepherds Bluff SECTION: 5 LOT # 31 LOT AREA: .51 Ac DESIGN FLOW: 360 L.T.A.R.: .25

Septic Tank	1000 (gal)	STB	760	Date	3/27/23	☒ New System ☐ Repair ☐ Expansion	System Type: I II III IV V VI
Pump Tank	(gal)	PT		Date		System Description:	Gravity - HPPBPS - 50% Reduction
Pump Make		Model		Serial #		Repair System Description:	Drip Irrigation
# Nitrification Fields	1	# Lines	5	Linear Ft	240	Maintenance Agreement Required:	☐ YES ☒ NO
Trench Width	36	Trench Bottom Depth(Low side)	22 in	Gravel Depth	-	☒ GRAVITY	☐ PRESSURE

☒ Residence ☐ Business ☐ Other ☐ Slab ☐ Basement w/ plumbing

No. Bedrooms 3 No. Persons 6 No. Employees ☐ Crawl Space

Water Supply: ☒ Private ☐ Public ☐ Community

☒ Basement w/o plumbing

Comments / Conditions: See Notes + information

INITIAL SITE SKETCH

This permit is issued pursuant to Section 11 . (C) of S.L. 2018-114 using the signed and sealed LSS Evaluation by:

Soil + Forestry Services of the Carolinas PA

LSS # 1231

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**

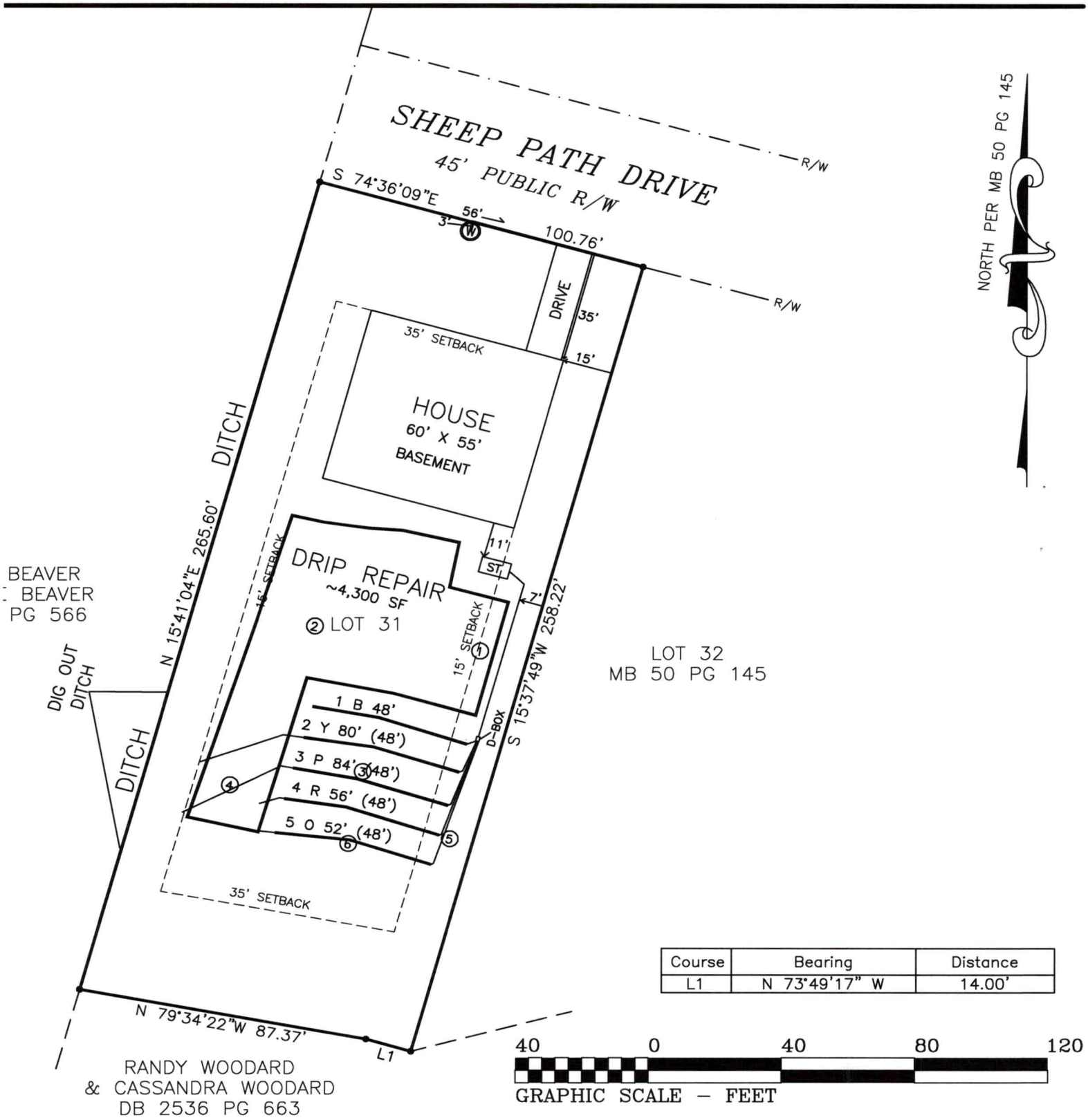
☐ **IMPROVEMENT PERMIT** *with plat valid without expiration.* ☒ **IMPROVEMENT PERMIT** *with site plan valid for 60 mos.* ☒ **AUTHORIZATION TO CONSTRUCT** *valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.*

Owner / Applicant Signature: Date: 3-1-2021 Installed by: Richard Abernathy

IMPROVEMENT PERMIT by: Benjamin A. Potter Date: 2-8-2021 OPERATION PERMIT by: Sarah Bracken Date: 5/16/23

AUTHORIZATION TO CONSTRUCT by: Cory Whitt Date: 1/20/22 Existing System Inspected by: Date:

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



Course	Bearing	Distance
L1	N 73°49'17" W	14.00'

DAS DON ALLEN & ASSOCIATES, P.A.
"Since 1971"
Commercial * Residential * Mortgage Surveys * Multi-Family
Construction Staking * Subdivision Design * Topographical
131 Crosslake Park Drive – Suite 102 * Mooresville * NC * 28117
(704) 664-7029 (704) 664-8041 Fax

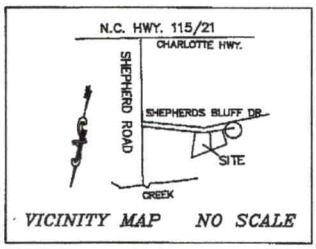
I, certify that this map was drawn under my supervision from an actual survey made under my supervision recorded in deed book 2712, page 1925, and/or plat book 50, page 145, that the ratio of precision is 1':10,000, that this map was prepared in accordance with the General Statutes of North Carolina Chapter 89C.

my hand and seal on the 6, day of JANUARY, A.D. 20 2022.

REVISION 1/19/22
UPDATED GARAGE
& HOUSE PLACEMENT

WILLIAM M. ALLEN

NORTH CAROLINA PROFESSIONAL SEAL L-3499 LAND SURVEYOR WILLIAM M. ALLEN



VICINITY MAP NO SCALE

LOT PT61
RANDY G. &
CASSANDRA G. WOODWARD
2536/663

10' PUBLIC DRAINAGE URILITY EASEMENT

CL OF CREEK

N73°49'18"W 14.00

N79°34'15"W 87.37

35' REAR

LOT 31
0.61 AC.

15' SIDE

SEPTIC

D-BOX

DRIP REPAIR AREA

ST

CRANBERRY GARDENS

26.8

15' SIDE

16.0

22.50

22.50

35' FRONT

35.5

W

S74°36'09"E 100.76

N15°37'49"E 258.22

N15°41'04"E 265.60

LOT 32
STEPHANIE F.
MARINO
2720/1992

PIN 4659468744.000
LONNIE C. &
JANICE BEAVER
597/560

CONC. CALC.
DRIVE = 886 SQ. FT.
WALK = 92 SQ. FT.

R/W

SHEEP PATH DRIVE
(45' PUBLIC R/W)

NOTES
1) THIS PROPERTY MAY BE SUBJECT TO ANY EASEMENTS AND/OR RIGHTS OF WAY OF RECORD.
2) ACREAGE COMPUTED BY THE COORDINATE METHOD.
3) UNDERGROUND POWER
4) NO GRID MONUMENT FOUND WITHIN 2000 FEET.

LEGEND
P.P. = POWER POLE
= DUKE POWER TRANS.
E.I.P. = EXISTING IRON FOUND
I.P.S. = #4 REBAR SET
R/W = RIGHT-OF-WAY
W = WELL

0' 25' 50' 100'
SCALE IN FEET

PLOT PLAN SURVEY

OF
151 SHEEP PATH DR
LOT 31 SHEPHERDS BLUFF SUBDIV. PH.5

SCALE 1" = 50'

BARRINGER TWSP., IREDE;; CO., N.C.

ACQUIRED BY: SUNSET HOMES LLC.

FIELD BOOK:
FILE: SHEPHERDS BLUFF 31 P5
DC FILE:
TAX MAP NO: 4659560574.000

GRAVITY HPPBPS SYSTEM
FOR WASTEWATER TREATMENT

Applicant: Sunset Homes LLC

Address: 19701 Bethel Church Rd #103-167
Cornelius, NC 28031
Phone: 704.785.6405
County: Iredell
Location: 151 Sheep Path Drive
Mooresville, NC 28115
Source of Wastewater Flow: 3 Bedroom Single Family Residence
Estimated Gallons Per Day Flow: 360
System Flow: N/A

Design Specifications

Drainfield Size: 240
Loading Rate (gpd/ft.^{2}): 0.25
Depth of Gravel in Trench: N/A
Gravel Size: N/A
Max.Trench Depth (LOW SIDE): 22 in. Repair Trench Bottom 6 in.
Trench Width: 36 in.
Septic Tank Size: 1000

Estimated Supply Line Length: 56
Supply Line Diameter: 4 in. SCH 40 PVC
Supply Line Volume: 1.31
Dosing Volume: N/A
Supply Manifold: N/A
Supply Manifold Length: N/A
Supply Manifold Volume: N/A

Recommended Float Controls: N/A

Recommended Control Panel: N/A

Pressure Head: N/A
Friction Head: N/A
Elevation Head: N/A
Total Dynamic Head: N/A

Threaded Union: N/A
Gate Valves: N/A

Check Valves: N/A
Anti-Siphon Hole: N/A
Additional Comments: Soil suitability was performed by Soil & Forestry Services of the Carolinas

151 Sheep Path Drive

HPPBPS SYSTEM

DESIGN FLOW (gpd):	360
SOIL APPLICATION RATE (gpd/ft.^{2}):	0.25
TOTAL AREA TRENCH BOTTOM:	720
TOTAL LATERAL LENGTH:	240
NUMBER OF FIELDS:	1
LATERAL LENGTH REQUIRED PER FIELD:	240
SUPPLY LINE LENGTH:	56
TOTAL DYNAMIC HEAD:	N/A
MANIFOLD SIZE:	N/A
DOSING VOLUME:	N/A
PUMP TANK DRAW DOWN*:	N/A
SEPTIC TANK SIZE:	1000
PUMP TANK SIZE:	N/A

Layout Specifications - 151 Sheep Path Drive-Lot 31

Project #: 20-0124

LAYOUT FOR 3 BEDROOM HOME 1/29/2021

LINE #	FLAG COLOR	BS	HI	FS	ELEVATION	FLAGGED LINE LENGTH	DESIGN LINE LENGTH
TBM							
INSTR. 1							
1	***BLUE***					***48***	***48***
2	***YELLOW***					***80***	***48***
3	***PINK***					***84***	***48***
4	***RED***					***56***	***48***
5	***ORANGE***					***52***	***48***
7	Drip Irrigation					~4,300 SF	~4,300 SF
					Total	320	240

	LINE LENGTH	LTAR GPD/FT2	SYSTEM TYPE	SOIL LTAR GPD/FT2	TRENCH SYSTEM	DISTRIBUTION	TRENCH DEPTH
** System*	*240*	*0.250*	**MOD. CONV**	*0.250*	***HPPBPS***	***GRAVITY***	*22"*
Repair Drip Irrg.	~4,300 SF	0.100	INNOV.	0.100	DRIP IRRIG.	LOW PRESSURE	6"

Notes: **All measures in feet

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

**Nitrification lines were located via survey

GRAVITY HPPBPS SPECIFICATIONS - 151 Sheep Path Dr.

SYSTEM

Line #	Color	Elevation	Length	Hole Size	Flow/hole	Trench Area	# of Panels
1	*BLUE*	*N/A*	*48*	*N/A*	*N/A*	96	11
2	*YELLOW*	*N/A*	*48*	*N/A*	*N/A*	96	11
3	PINK	*N/A*	*48*	*N/A*	*N/A*	96	11
4	RED	*N/A*	*48*	*N/A*	*N/A*	96	11
6	ORANGE	*N/A*	*48*	*N/A*	*N/A*	96	11
						480	55

total	**feet =**	**240**	**gal/min =**	**N/A**	
		Des. Flow	**360**		
		Pump Run=	**N/A**		
		soil LTAR	**0.25**		
		LTAR +5%	**0.2625**		
		LTAR with mod.	**0.5**		
		LTAR with mod.. + 5%	**0.525**		

CALCULATIONS

Location 151 Sheep Path Drive
Mooresville, NC 28115
Project Number 20-0124

Lot No: 31

No. of Bedrooms 3

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

LTAR 0.250 $^{gal}/_{ft^2\ day}$

PPBPS? (YES OR NO) YES

Supply Line Length 56 ft.

Supply Line Volume 36.568 gal.

Required Feet of Line 240 ft.
Amount of Line from Layout 240 ft.

Gallons per Minute N/A $^{gal}/_{min}$

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

Panel Volume N/A gal.
# of Panels N/A
Dosing Volume N/A gal.

Tank Draw Down N/A

Pump Run Time

Elevation Head N/A ft.
Pressure Head N/A ft.
Friction Factor N/A ft./100 ft. *(From the interpolater.)*
Friction Head N/A ft.

Total Dynamic Head (+15%) N/A 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

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

Sheet 1 of 2
PROPERTY ID #: 4659560074
COUNTY: Iredell

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

OWNER: Sunset Homes LLC
ADDRESS: 19701 Bethel Church Rd #103-167, Cornelius NC 28031
PROPOSED FACILITY: 3BR
LOCATION OF SITE: 151 Sheep Path Dr. Mooresville NC 28115 Lot 31
WATER SUPPLY: ☐ Private ☐ Public ☑ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☑ Auger Boring ☐ Pit ☐ Cut

APPLICATION DATE:
DATE EVALUATED: 10/19/20
PROPOSED DESIGN FLOW (.1949): 360gpd
PROPERTY SIZE: 0.51 AC
PROPERTY RECORDED: Yes
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
B 1	L/17%	0-5	RBCL wfsbk	Fr SS SP SE VP	SAP Incl	47"			PS .35
		5-15	BRC wmsbk	" "					
		15-35	RBCL wfsbk						
		35-47	RBL vwfsbk	Fr SS SP					
		47-51	VARL MASS	Fr SS SP					
B 2	L/17%	0-3	BCL wmsbk	Fr SS SP SE VP	Few Mang Few Fe Dep Com Cl. Rd's @ 26"	36"			.1 Drip
		3-9	BRC wmsbk	Fr SS SP					
		9-36	RVC wmsbk	Fr SS SP					
		36-43	VAR L. MASS	Fr SS SP					
B 3	L/7%	0-3	BCL wmsbk	Fr SS SP SE VP	Few Mang Few Fe Dep Few to C SAP	38"			PS .3
		3-27	BRC wmsbk	Fr SS SP					
		27-38	RBCL wfsbk	Fr SS SP					
		38-52	VARG. MASS	Fr SS SP					
B 4	L/9%	0-28	BCL wmsbk	Fr SS SP SE VO	Few Mang Fe Dep	53"			PS .25
		28-53	RBC wmsbk	Fr SS P					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	HPPBPS	Drip Irrigation
Site LTAR	.25	.1

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: S. Ashley Rollins
OTHER(S) PRESENT: Chad Wagner

COMMENTS:

SOIL/SITE EVALUATION

(Continuation Sheet-Complete all field in full)

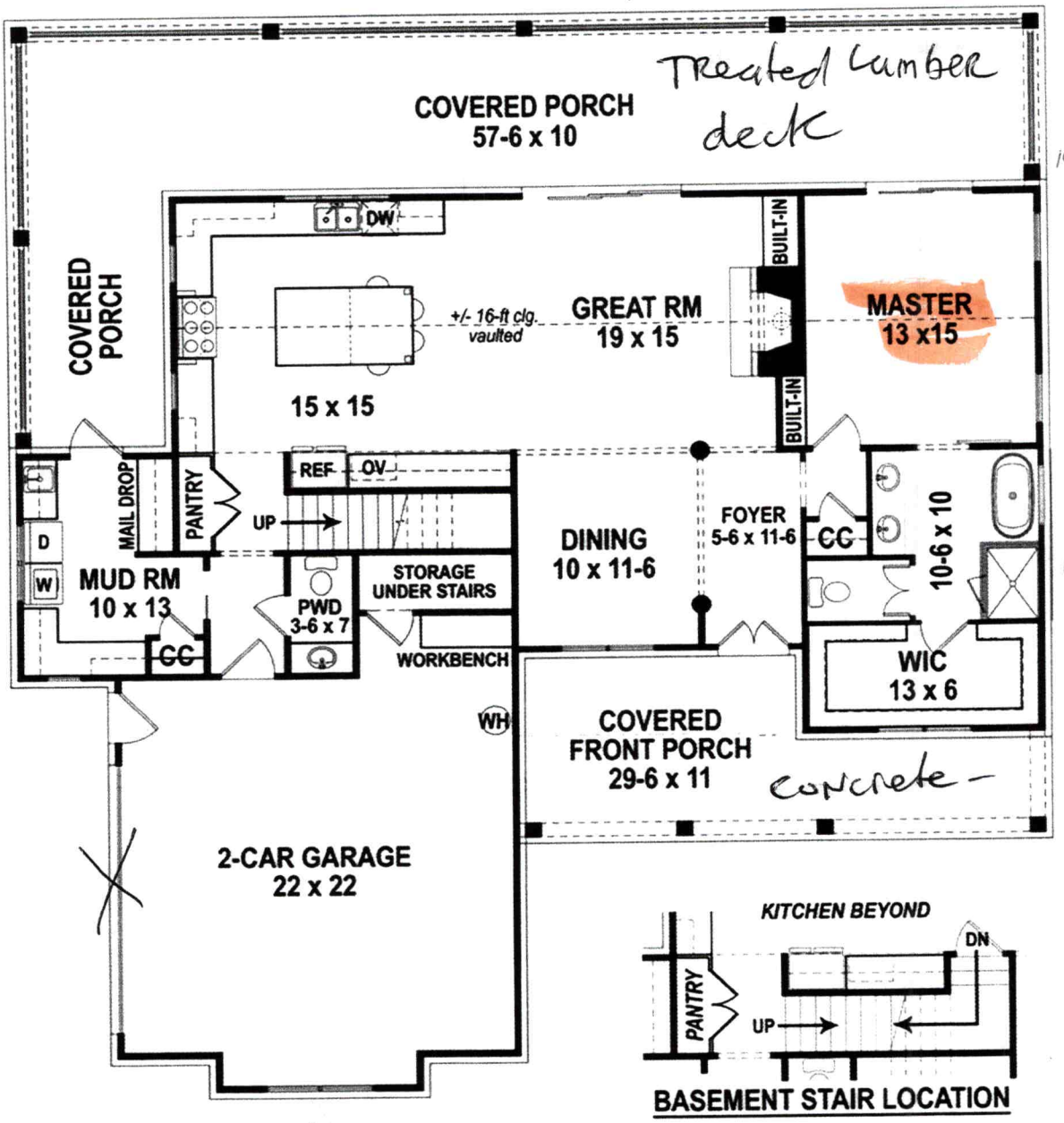
DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH
ENVIRONMENTAL HEALTH SECTION
ON-SITE WATER PROTECTION BRANCH

PROPERTY ID #: 4659540594
DATE OF EVALUATION: 10/19/2020
COUNTY: Iredell

151 Sheep Path Dr.

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	OTHER PROFILE FACTORS .1943 SOIL DEPTH	OTHER PROFILE FACTORS .1956 SAPRO CLASS	OTHER PROFILE FACTORS .1944 RESTR HORIZ	PROFILE CLASS & LTAR
B5	L/7%	0-24	RBCL/SCL w/sbk	Fr SS SO SE/P	Few Mott.	50"			P5 .225-.3
		24-50	RBC/SC wmsbk	Fr SS SP "					
B6	L/8%	0-22	RBCL w fsbk	Fr SSS P SE/P	Few Mott. 26"	48"			P5 0.25-.275
		22-48	BRC w msbk	Fr SS SP					

COMMENTS:

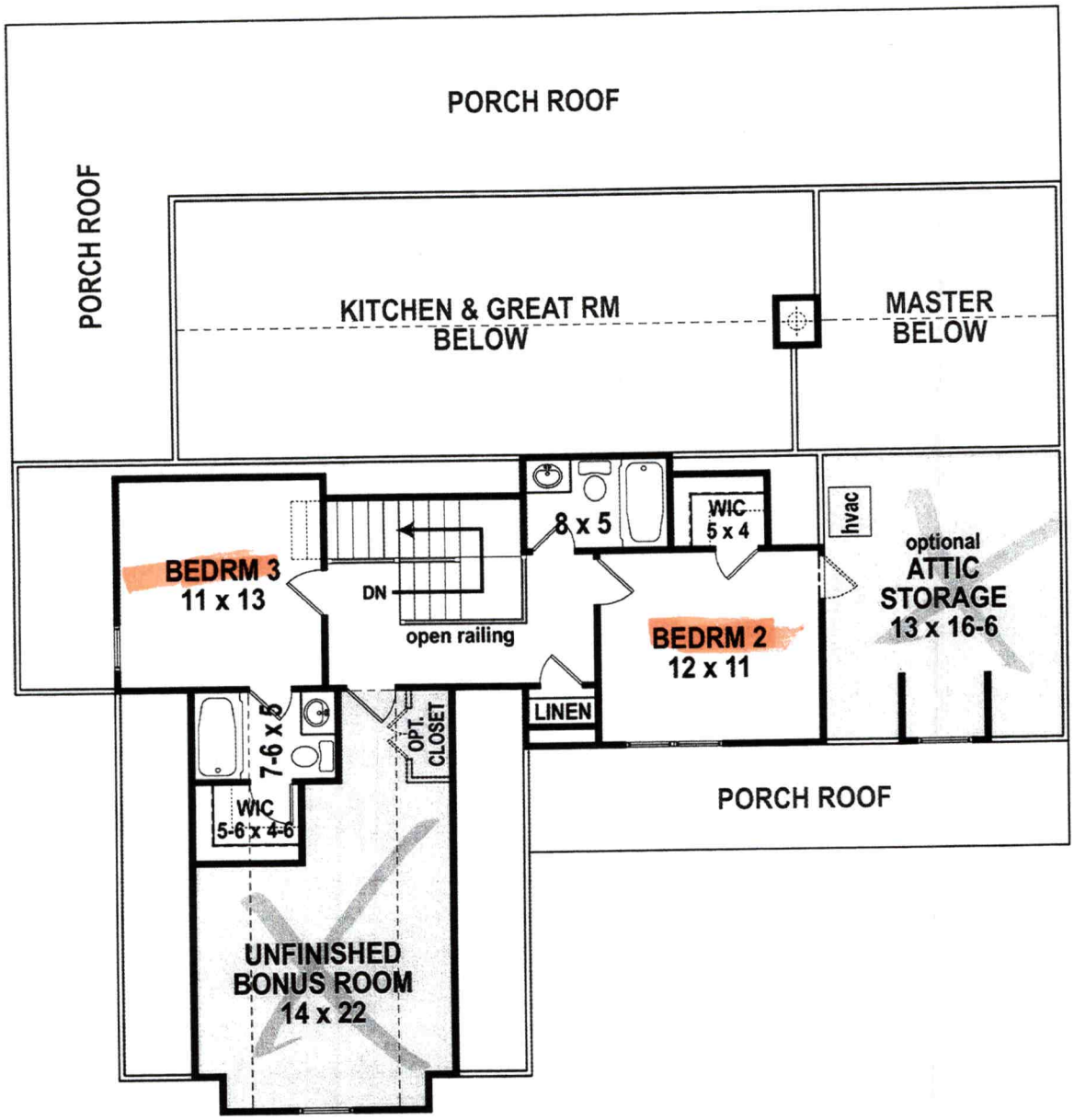


Plan Number 72252 | Order Code: C774 | First Floor Plan

REVERSE PLAN

Front Entry

576 Rear Porch



Plan Number 72252 | Order Code: C774 | Second Floor Plan

REVERSE PLAN

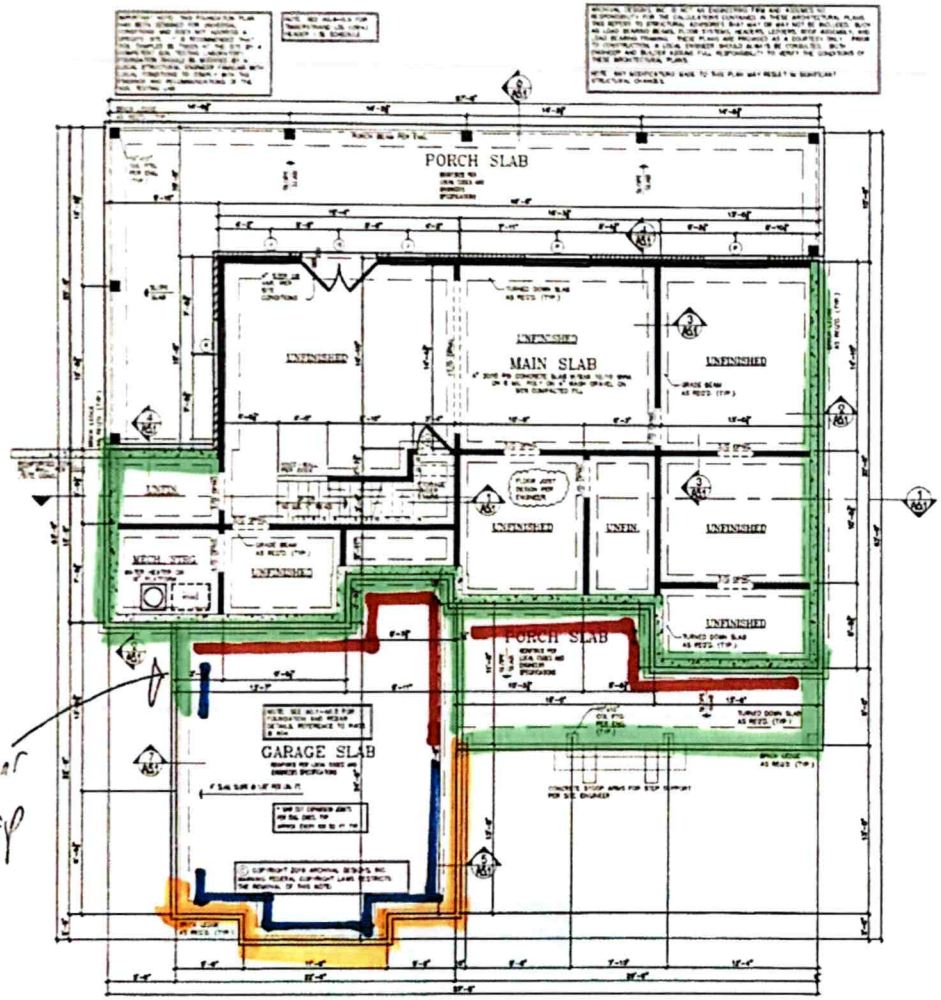
Rough Bonus Rooms - No Finish.

9/10 ft walls — Brick ledge

4 ft Wall — Slab ledge

Rich Wojtalik

Sunset Homes



BASEMENT FOUND. PLAN

THE REVERSED DESIGN FOR
THE CRANBERRY GARDENS
BY ARCHIVAL DESIGNS, INC.

REVISIONS

REV NO.	REV DATE/DETAILS

ARCHIVAL DESIGNS

SQUARE FOOTAGE

1st FL	1,440 SQ FT
2nd FL	534 SQ FT
TOTAL HEATED	1,974 SQ FT
OPT BONUS ROOM	273 SQ FT
GARAGE	562 SQ FT
FR. COV. PORCH	252 SQ FT
REAR COV. PORCH	156 SQ FT
OPT UNFIN. BSMT	1,380 SQ FT

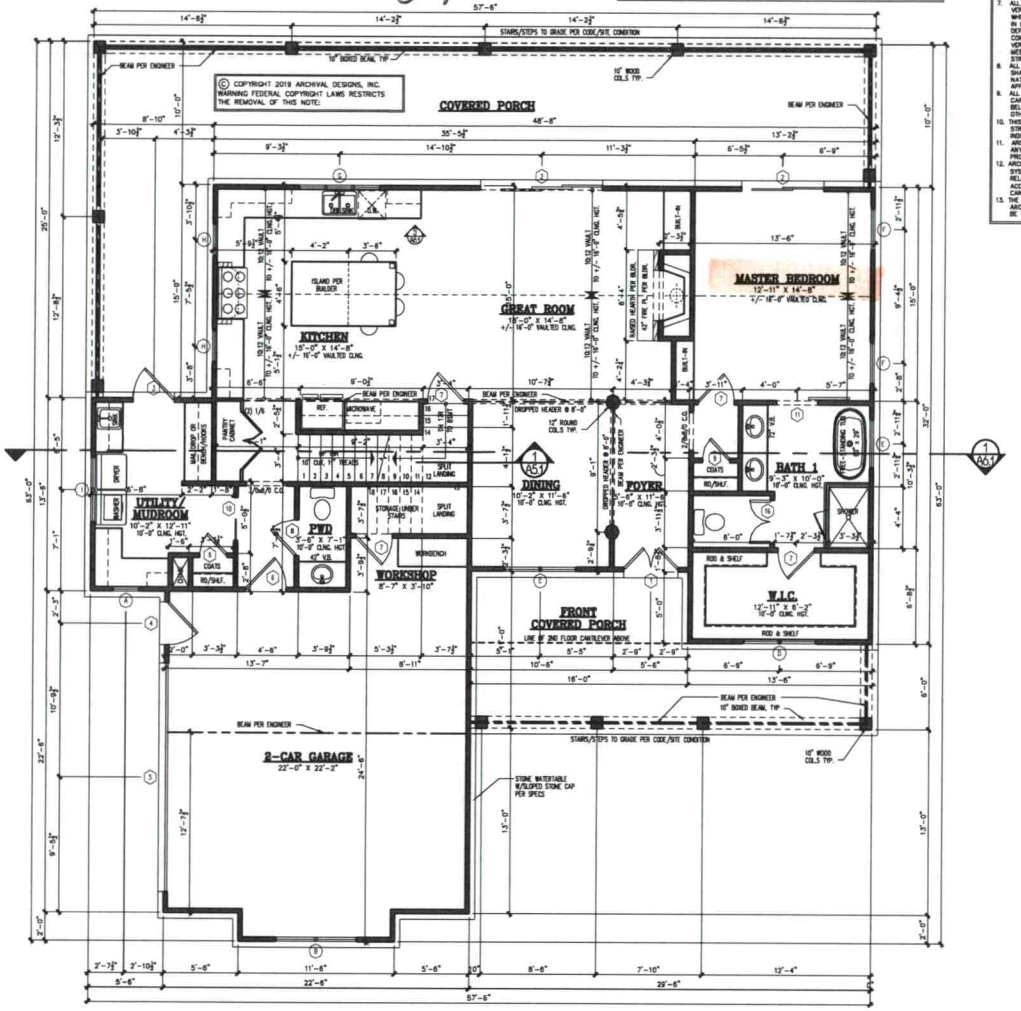
DATE
04/28/2020

DRAWN
PWK/JW/AC

SHEET NO
A2.1.2

Scanned with CamScanner

Cay Whit 1/20/22



1ST FLOOR PLAN

SCALE: 1/4" = 1'-0"

ARCHIVAL DESIGNS, INC. IS NOT AN ENGINEERING FIRM AND ASSUMES NO RESPONSIBILITY FOR THE CALCULATIONS CONTAINED IN THESE ARCHITECTURAL PLANS. THIS REFERS TO STRUCTURAL ADVISORIES THAT MAY OR MAY NOT BE INCLUDED, SUCH AS LOAD BEARING BEAMS, FLOOR SYSTEMS, HEADERS, LEDGERS, ROOF ASSEMBLY, AND LOAD BEARING FRAMING. THESE PLANS ARE PROVIDED AS A COURTESY ONLY. PRIOR TO CONSTRUCTION, A LOCAL ENGINEER SHOULD ALWAYS BE CONSULTED. BOTH ENGINEER AND BUILDER ASSUME FULL RESPONSIBILITY TO VERIFY THE CONDITIONS OF THESE ARCHITECTURAL PLANS.

NOTE: ANY MODIFICATIONS MADE TO THIS PLAN MAY RESULT IN SIGNIFICANT STRUCTURAL CHANGES.

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES, REGULATIONS, AND FHA/VA MTG.
2. CONTRACTORS SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AT SITE BEFORE BEGINNING CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO ARCHIVAL DESIGNS, INC. FOR JUSTIFICATION AND/OR CORRECTION BEFORE PROCEEDING WITH WORK. CONTRACTORS SHALL ASSUME RESPONSIBILITY FOR ERRORS THAT ARE NOT REPORTED.
3. ALL DIMENSIONS SHALL BE READ OR CALCULATED AND NEVER SCALED.
4. ALL FOOTINGS TO BE BELOW FROST LINE (SEE LOCAL CODE) AND MUST REST ON UNDISTURBED SOIL CAPABLE OF HANDLING THE BUILDING. CONSULT LOCAL ENGINEER FOR PROPER FOOTING AND REINFORCING SIZES.
5. CONTRACTOR SHALL INSURE COMPATABILITY OF THE BUILDING WITH ALL SITE REQUIREMENTS.
6. IF BACKFILL EXCEEDS 4' AGAINST ANY FOUNDATION WALL, REINFORCE AS PER CODE.
7. ALL FOUNDATION AND STRUCTURAL MEMBERS SHOULD BE VERIFIED AND STAMPED BY AN ENGINEER IN THE STATE WHERE CONSTRUCTION IS OCCURRING DUE TO SOIL VARIANCE IN LOCAL CODES, SOIL BEARING CONDITIONS, FROST LINE DEPTH, ECOLOGICAL AND WEATHER CONDITIONS, ETC. THE CONTRACTOR IS RESPONSIBLE FOR ADJUSTING AND MODIFYING ALL STRUCTURAL DETAILS AND CONDITIONS TO MEET ALL LOCAL CODES AND TO INSURE A QUALITY & SAFE STRUCTURE.
8. ALL WOOD, CONCRETE, AND STEEL STRUCTURAL MEMBERS SHALL BE OF A GOOD GRADE AND QUALITY AND MEET ALL NATIONAL, STATE AND LOCAL BUILDING CODES WHERE APPLICABLE.
9. ALL COLUMNS OR SOLID FRAMING SHOULD BE DESIGNED TO CARRY LOADS AND SHOULD EXTEND DOWN THRU THE LEVELS BELOW AND TERMINATE AT THE BASEMENT FLOOR OR AT OTHER BEARING POINTS DESIGNED TO CARRY THE LOAD.
10. THIS DESIGN LICENSE IS RELEASED FOR ONE (1) BUILT STRUCTURE ONLY AND IS NOT TRANSFERABLE TO ANOTHER INDIVIDUAL OR COMPANY.
11. ARCHIVAL DESIGNS, INC. IS THE SOLE OWNER OF THIS AND ANY DERIVATIVE DUPLICATION OF THIS COPYRIGHT PROTECTED PLAN.
12. ARCHITECTURAL DESIGN ASSUMES ENGINEERED FLOOR SYSTEM IS NOT TO EXCEED 14" IN DEPTH. ENGINEER SHALL RELATE FLOOR DEPTH TO STAIR DESIGN AND MODIFY ACCORDINGLY. NOTE: FLOOR SYSTEMS DEEPER THAN 14" CAN ADVERSLY IMPACT FLOOR PLAN DESIGN.
13. THE DRAWINGS PREPARED BY ARCHIVAL DESIGNS, INC. ARE ARCHITECTURAL IN NATURE. STRUCTURAL DRAWINGS SHALL BE PREPARED BY A LOCAL ENGINEER PER LOCAL CODES.

GENERAL FRAMING NOTES

THE FOLLOWING NOTES ARE SUGGESTED MINIMUM REQUIREMENTS ONLY. DUE TO A VARIANCE OF CODES PER REGION, PLEASE REFER AND COMPLY WITH ALL YOUR LOCAL CODES. CONSULT WITH LOCAL ENGINEERS FOR ALL STRUCTURAL REQUIREMENTS.

1. PROVIDE PURLINS AT MID HEIGHT OF ALL RAILS.
2. ALL JOISTS AND RAFTERS SHALL BE ALIGNED OVER STUDS BELOW.
3. ALL HEADERS SHALL BE 2-2x10's WITH ½" PLYWOOD FLITCH PLATE UNLESS OTHERWISE NOTED.
4. FRAMER TO INSTALL DOUBLE FLOOR JOIST UNDER PARTITION WALL PARALLEL TO JOIST DIRECTION.
5. PROVIDE 1x4 CROSS BRIDGING AT MID POINT OF SPANOR 8'-0" O.C. MAXIMUM IN ALL FLOORS.
6. ALL EXTERIOR CORNERS (INSIDE AND OUTSIDE CORNERS) SHALL BE BRACED WITH ½" CDX PLYWOOD, NAILING SCHEDULE SHALL BE 8d COMMONS AT 6" O.C. AT ALL EDGES AND 8d COMMONS AT 12" O.C. AT ALL INTERMEDIATE STUDS. (OPTION – APPROVED DIAGONAL CORNER BRACES BOTH DIRECTIONS AT ALL CORNERS)
7. ALL COLUMNS OR SOLID FRAMING SHALL EXTEND DOWN THRU ALL LEVELS AND TERMINATE AT THE BASEMENT FLOOR AND BE SUPPORTED BY A THICKENED SLAB, GRADE BEAM, OR FOOTING DESIGNED TO CARRY LOAD.
8. PROVIDE DOUBLE 2x6 STRONGBACK AT MID SPAN FOR CEILING JOISTS WITH SPAN GREATER THAN 10'-0".
9. PROVIDE COLLAR TIES AT UPPER 1/3 OF VERTICAL DISTANCE BETWEEN RIDGE BOARD AND CEILING JOISTS AT 4'-0" O.C. MAXIMUM.
10. HIP, VALLEY RAFTERS, AND RIDGE BOARDS SHALL BE ONE "2x" SIZE LARGER THAN RAFTERS.
11. ROOF DECKING SHALL BE ⅜" CDX PLYWOOD MINIMUM.
12. WHERE PRE ENGINEERED FLOOR & ROOF TRUSSES ARE USED, TRUSS MANUFACTURER MUST PROVIDE SHOP DRAWINGS WHICH BEAR SEAL OF REGISTERED ENGINEER IN STATE IN WHICH WORK IS TO BE PERFORMED.
13. ALL CEILING JOISTS AND RAFTER BRACING TO BEAR ON LOAD BEARING WALLS DESIGNED TO CARRY LOAD THRU ALL LEVELS AND TERMINATE AT BASEMENT FLOOR AND BE SUPPORTED BY THICKENED SLAB GRADE BEAM OR FOOTING DESIGNED TO CARRY LOAD.
14. ALL BASEMENT WALLS, BEAMS, AND COLUMNS TO BE DESIGNED BY LOCAL STRUCTURAL ENGINEER AND MEET ALL LOCAL CODES.
15. ALL SOLID FRAMING, COLUMNS, BEAMS, ETC., TO BE DESIGNED BY LOCAL STRUCTURAL ENGINEER AND MEET ALL LOCAL CODES.
16. ALL FRAMED WALL DIMENSIONS ARE BASED ON 2 x 4 STUDS UNLESS OTHERWISE NOTED.

DOOR SCHEDULE

MARK	SIZE	TYPE	DESCRIPTION	QTY
1	(2) 3'-0" X 8'-0"	EXT	3/4 LITE ENTRY DOOR w/14" TRANSOM	1
2	6'-0" X 8'-0"	EXT	TRIPLE SLIDER w/ 14" TRANSOM	1
3	3'-0" X 8'-0"	EXT	HALF LITE	1
4	3'-0" X 8'-0"	EXT	HALF LITE GARAGE SERVICE DOOR	1
5	16'-0" x 8'-0"	EXT	OVERHEAD GARAGE DOOR	1
6	3'-0" x 8'-0"	EXT	SOLID CORE STEEL ENTRY DOOR	1
7	2'-6" x 8'-0"	INT	INT. HOLLOW CORE DOOR	4
8	2'-6" x 8'-0"	INT	INT. HOLLOW CORE DOOR	1
9	2'-0" x 8'-0"	INT	INT. HOLLOW CORE DOOR	2
10	3'-0" x 8'-0"	INT	INT. HOLLOW CORE POCKET DOOR	1
11	3'-0" X 8'-0"	INT	INT. BARN DOOR	1
12	2'-6" x 8'-0"	INT	INT. HOLLOW CORE DOOR	4
13	2'-4" x 6'-8"	INT	INT. HOLLOW CORE DOOR	5
14	2'-6" x 8'-0"	INT	OPTIONAL INT. HOLLOW CORE ATTIC DOOR	1
15	(2) 3'-0" X 6'-8"	EXT	FULL LITE ENTRY DOOR	1
16	(2) 1'-6" X 6'-8"	INT	INT. HOLLOW CORE DOOR	1
17				
18				

* FINAL ENTRY DOOR DESIGN BY OWNER.

WINDOW SCHEDULE

MARK	SIZE	TYPE	DESCRIPTION	QTY
A	2'-0" X 5'-10"	DH		1
B	(2) 3'-0" X 6'-0"	DH	w/ 14" TRANSOM	1
C	(2) 3'-0" X 6'-0"	DH	w/ 14" TRANSOM	1
D	(2) 2'-8" X 1'-2"	FXD	FIXED TRANSOM w/CLOSED SHUTTER DETAIL	1
E	4'-0" X 4'-0"	FXD	FIXED/TEMPERED	1
F	5'-0" X 6'-2"	DH		2
G	(3) 2'-6" X 3'-10"	DH	w/ 14" TRANSOM	1
H	2'-6" X 3'-10"	FXD	w/ 14" TRANSOM	2
I	(2) 2'-4" X 3'-2"	DH		1
J	2'-0" X 5'-2"	DH		4
K	(2) 2'-8" X 5'-2"	DH	w/ 14" TRANSOM	1
L	2'-0" X 2'-6"	FXD	FIXED TRANSOM	1
O	2'-4" X 1'-6"	FXD	FIXED TRANSOM	1
P	(2) 2'-6" X 5'-2"	DH		3
Q				
R				

THE REVERSED DESIGN FOR
THE CRANBERRY GARDENS
BY ARCHIVAL DESIGNS, INC.

REVISIONS

REV. NO.	REV. DATE/INITIALS
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ARCHIVAL DESIGNS
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1245 Buford Hwy, Ste 506, Sinnesota, GA 30004 • 770.851.6983

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1) BUILDER OR CONTRACTOR MUST VERIFY ALL DIMENSIONS PRIOR TO PROCEEDING WITH CONSTRUCTION.
2) CONTRACTOR MUST VERIFY COMPLIANCE WITH ALL LOCAL BUILDING CODES IN THE AREA WHERE THE HOME IS TO BE CONSTRUCTED.
3) PLANS ARE SUITABLE LOCATION ONLY. ENGINEERING ASPECTS SHOULD ENTIRELY BE ACTUAL SITE CONDITIONS.
CAUTION MUST BE USED IN DOING ANY CHANGES TO THIS PLAN. ONLY A QUALIFIED ENGINEER SHOULD ATTEMPT MODIFICATIONS, AS EVERY MINOR CHANGES BY ONE AREA OF THE HOME COULD LEAD TO MAJOR PROBLEMS IN ANOTHER AREA.

SQUARE FOOTAGE

1st FL.	1,465 SQ FT
2nd FL.	534 SQ FT
TOTAL HEATED	1,999 SQ FT
OPT. BONUS ROOM	275 SQ FT
GARAGE	562 SQ FT
FR. COV. PORCH	257 SQ FT
REAR COV. PORCH	708 SQ FT
OPT. UNFIN. BMNT.	1,202 SQ FT

JOB NO.: ——

DATE: 04/28/2020

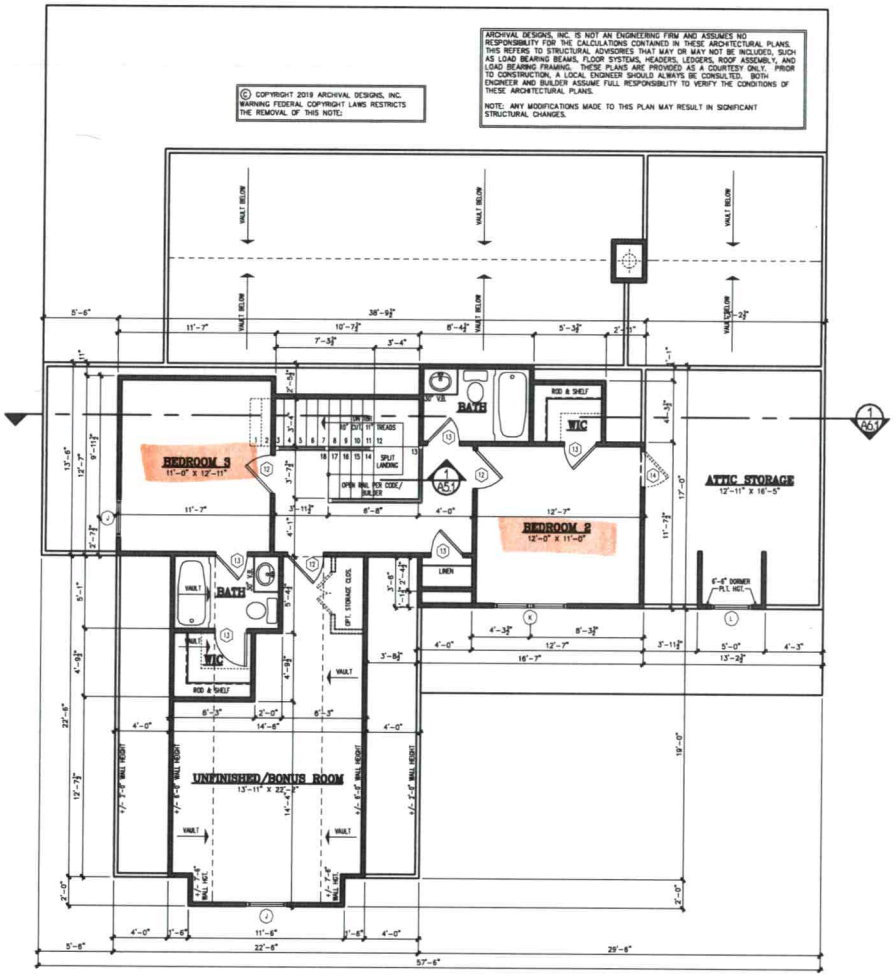
DRAWN BY: PWK/JW/AC

SHEET NO.: A2.2

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151 Sleep Path

Cay Wick 1/20/22



2ND FLOOR PLAN

SCALE: 1/4" = 1'-0"

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WARNING FEDERAL COPYRIGHT LAWS RESTRICTS THE REMOVAL OF THIS NOTE;

ARCHIVAL DESIGNS, INC. IS NOT AN ENGINEERING FIRM AND ASSUMES NO RESPONSIBILITY FOR THE CALCULATIONS CONTAINED IN THESE ARCHITECTURAL PLANS. THIS REFERS TO STRUCTURAL ADVISORIES THAT MAY OR MAY NOT BE INCLUDED, SUCH AS LOAD BEARING BEAMS, FLOOR SYSTEMS, HEADERS, LEDGERS, ROOF ASSEMBLY, AND LOAD BEARING FRAMING. THESE PLANS ARE PROVIDED AS A COURTESY ONLY. PRIOR TO CONSTRUCTION, A LOCAL ENGINEER SHOULD ALWAYS BE CONSULTED. BOTH ENGINEER AND BUILDER ASSUME FULL RESPONSIBILITY TO VERIFY THE CONDITIONS OF THESE ARCHITECTURAL PLANS.

NOTE: ANY MODIFICATIONS MADE TO THIS PLAN MAY RESULT IN SIGNIFICANT STRUCTURAL CHANGES.

GENERAL FRAMING NOTES

THE FOLLOWING NOTES ARE SUGGESTED MINIMUM REQUIREMENTS ONLY, DUE TO A VARIANCE OF CODES PER REGION, PLEASE REFER AND COMPLY WITH ALL YOUR LOCAL CODES. CONSULT WITH LOCAL ENGINEERS FOR ALL STRUCTURAL REQUIREMENTS.

1. PROVIDE PURLINS AT MID HEIGHT OF ALL WALLS.
2. ALL JOISTS AND RAFTERS SHALL BE ALIGNED OVER STUDS BELOW.
3. ALL HEADERS SHALL BE 2-2x10's WITH ½" PLYWOOD FUTCH PLATE UNLESS OTHERWISE NOTED.
4. FRAMER TO INSTALL DOUBLE FLOOR JOIST UNDER PARTITION WALL PARALLEL TO JOIST DIRECTION.
5. PROVIDE 1x4 CROSS BRIDGING AT MID POINT OF SPANOR 8'-0" O.C. MAXIMUM IN ALL FLOORS.
6. ALL EXTERIOR CORNERS (INSIDE AND OUTSIDE CORNERS) SHALL BE BRACED WITH ½" CDX PLYWOOD. NAILING SCHEDULE SHALL BE 8d COMMONS AT 6" O.C. AT ALL EDGES AND 8d COMMONS AT 12" O.C. AT ALL INTERMEDIATE STUDS. (OPTION – APPROVED DIAGONAL CORNER BRACES BOTH DIRECTIONS AT ALL CORNERS)
7. ALL COLUMNS OR SOLID FRAMING SHALL EXTEND DOWN THRU ALL LEVELS AND TERMINATE AT THE BASEMENT FLOOR AND BE SUPPORTED BY A THICKENED SLAB, GRADE BEAM, OR FOOTING DESIGNED TO CARRY LOAD.
8. PROVIDE DOUBLE 2x8 STRONGBACK AT MID SPAN FOR CEILING JOISTS WITH SPAN GREATER THAN 10'-0".
9. PROVIDE COLLOAR TIES AT UPPER ⅓ OF VERTICAL DISTANCE BETWEEN RIDGE BOARD AND CEILING JOISTS AT 4'-0" O.C. MAXIMUM.
10. HIP, VALLEY RAFTERS, AND RIDGE BOARDS SHALL BE ONE "2x" SIZE LARGER THAN RAFTERS.
11. ROOF DECKING SHALL BE ⅜" CDX PLYWOOD MINIMUM.
12. WHERE PRE ENGINEERED FLOOR & ROOF TRUSSES ARE USED, TRUSS MANUFACTURER MUST PROVIDE SHOP DRAWINGS WHICH BEAR SEAL OF REGISTERED ENGINEER IN STATE IN WHICH WORK IS TO BE PERFORMED.
13. ALL CEILING JOISTS AND RAFTER BRACING TO BEAR ON LOAD BEARING WALLS DESIGNED TO CARRY LOAD THRU ALL LEVELS AND TERMINATE AT BASEMENT FLOOR AND BE SUPPORTED BY THICKENED SLAB GRADE BEAM OR FOOTING DESIGNED TO CARRY LOAD.
14. ALL BASEMENT WALLS, BEAMS, AND COLUMNS TO BE DESIGNED BY LOCAL STRUCTURAL ENGINEER AND MEET ALL LOCAL CODES.
15. ALL SOLID FRAMING, COLUMNS, , BEAMS, ETC., TO BE DESIGNED BY LOCAL STRUCTURAL ENGINEER AND MEET ALL LOCAL CODES.
16. ALL FRAMED WALL DIMENSIONS ARE BASED ON 2 x 4 STUDS UNLESS OTHERWISE NOTED.

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES, REGULATIONS, AND FHA/VA MPS.
2. CONTRACTORS SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AT SITE BEFORE BEGINNING CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO ARCHIVAL DESIGNS, INC. FOR JUSTIFICATION AND/OR CORRECTION BEFORE PROCEEDING WITH WORK. CONTRACTORS SHALL ASSUME RESPONSIBILITY FOR ERRORS THAT ARE NOT REPORTED.
3. ALL DIMENSIONS SHALL BE READ OR CALCULATED AND NEVER SCALED.
4. ALL FOOTINGS TO BE BELOW FROST LINE (SEE LOCAL CODE) AND MUST REST ON UNDISTURBED SOIL CAPABLE OF HANDLING THE BUILDING. CONSULT LOCAL ENGINEER FOR PROPER FOOTING AND REINFORCING SIZES.
5. CONTRACTOR SHALL INSURE COMPATIABILITY OF THE BUILDING WITH ALL SITE REQUIREMENTS.
6. IF BACKFILL EXCEEDS 4' AGAINST ANY FOUNDATION WALL, REINFORCE AS PER CODE.
7. ALL FOUNDATION AND STRUCTURAL MEMBERS SHOULD BE VERIFIED AND STAMPED BY AN ENGINEER IN THE STATE WHERE CONSTRUCTION IS OCCURING DUE TO WIDE VARIANCE IN LOCAL CODES, SOIL BEARING CONDITIONS, FOREST LINE DEPTH, GEOLOGICAL AND WEATHER CONDITIONS, ETC. THE CONTRACTOR IS RESPONSIBLE FOR ADJUSTING AND VERIFYING ALL STRUCTURAL DETAILS AND CONDITIONS TO MEET ALL LOCAL CODES AND TO INSURE A QUALITY A SAFE STRUCTURE.
8. ALL WOOD, CONCRETE, AND STEEL STRUCTURAL MEMBERS SHALL BE OF A GOOD GRADE AND QUALITY AND MEET ALL NATIONAL, STATE AND/LOCAL BUILDING CODES WHERE APPLICABLE.
9. ALL COLUMNS OR SOLID FRAMING SHOULD BE DESIGNED TO CARRY LOADS AND SHOULD EXTEND DOWN THRU THE LEVELS BELOW AND TERMINATE AT THE BASEMENT FLOOR OR AT OTHER BEARING POINTS DESIGNED TO CARRY THE LOAD.
10. THIS DESIGN LICENSE IS RELEASED FOR ONE (1) BUILT STRUCTURE ONLY AND IS NOT TRANSFERABLE TO ANOTHER INDIVIDUAL OR COMPANY.
11. ARCHIVAL DESIGNS, INC. IS THE SOLE OWNER OF THIS AND ANY DERIVATIVE DDIFICATION OF THIS COPYRIGHT PROTECTED PLAN.
12. ARCHITECTURAL DESIGN ASSUMES ENGINEERED FLOOR SYSTEM IS NOT TO EXCEED 14" IN DEPTH. ENGINEER SHALL RELATE FLOOR DEPTH TO STAIR DESIGN AND MODIFY ACCORDINGLY. NOTE: FLOOR SYSTEMS DEEPER THAN 14" CAN ADVERSLY IMPACT FLOOR PLAN DESIGN.
13. THE DRAWINGS PREPARED BY ARCHIVAL DESIGNS, INC. ARE ARCHITECTURAL IN NATURE. STRUCTURAL DRAWINGS SHALL BE PREPARED BY A LOCAL ENGINEER PER LOCAL CODES.

THE REVERSED DESIGN FOR THE CRANBERRY GARDENS BY ARCHIVAL DESIGNS, INC.

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JOB NO: ---

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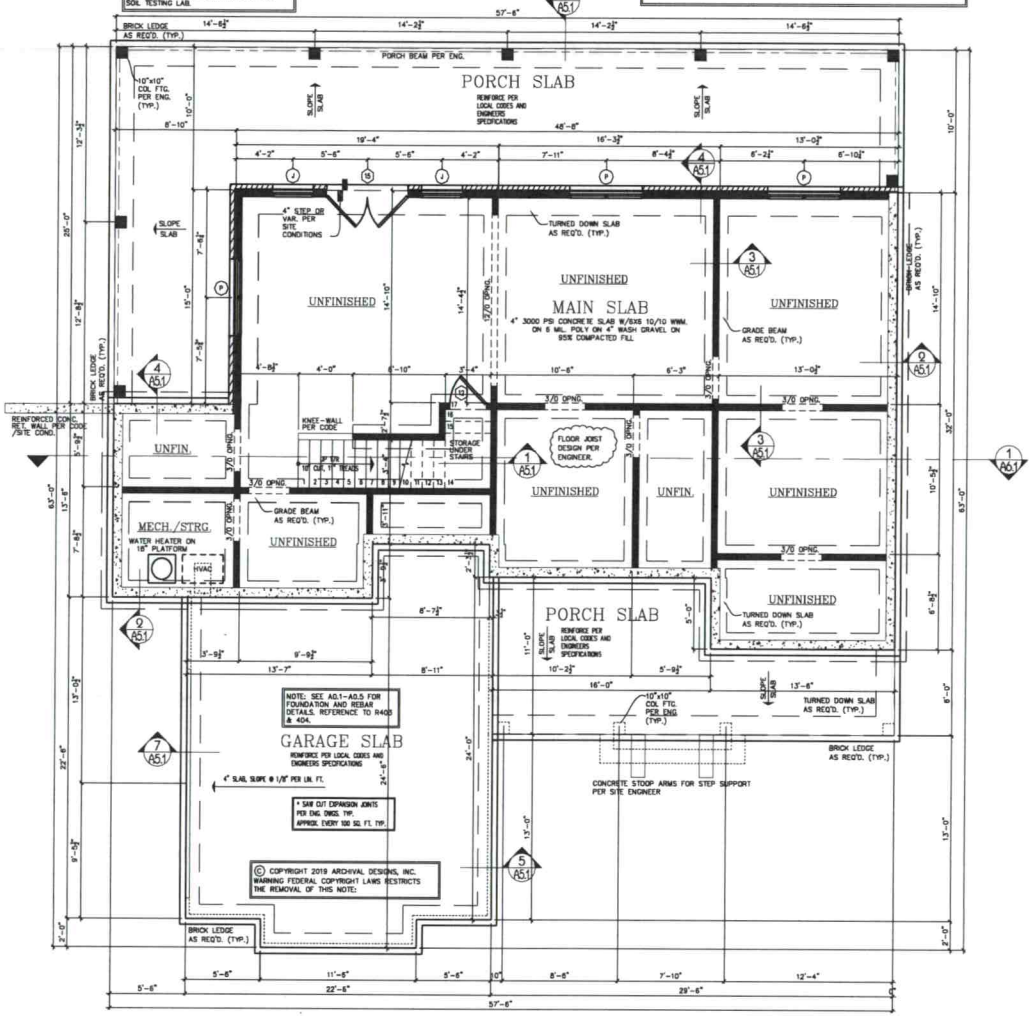
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SHEET NO: A2.3

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Dalmp

Cay Whit 1/20/22



BASEMENT FOUND. PLAN

SCALE: 1/4" = 1'-0"

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Dale