ICHD - ENVIRONMENTAL HEALTH DIVISION

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

328568

PERMIT # RELAY-2023-24034

PIN # 4638-22-2788

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

APPLICANT / OWNER: Michael Athanas & Associates | APPLICANT ADDRESS: 2630 Statesville Blvd, Salisbury, NC 28147

SITE ADDRESS: 142 ROBINSON RIDGE DR, MOORESVILLE, NC 28117 | PHONE: 7043101832 | ALT. PHONE:

SITE DIRECTIONS: W NC 150 -> R Robinson Rd -> R Robinson Ridge -> lot in cul-de-sac | SAP CONTROLLED: YES ☑ NO ☐

SUBDIVISION: Robinson Ridge | SECTION: 1 | LOT #: 17 | LOT AREA: 1.02 | DESIGN FLOW: 480 | L.T.A.R.: 0.3

Septic Tank: 1000 (gal)	STB: INFILTRATOR	Date: –	☒ New System ☐ Repair ☐ Expansion	System Type: IV	☑ Residence	No. Bedrooms: 4	Water Supply: New Well
Pump Tank: 1000 (gal)	PT: INFILTRATOR	Date: –	System Description: LPVPPBPS		☐ Business	No. Persons: 8	
Pump Make:	Model:	Serial #:	Repair System Description: LPVPPBPS		☐ Other	No. Employees: 0	
# Nitrification Fields: 1	# Lines: 4	Linear Ft.: 270	Maintenance Agreement Required: ☑ YES ☐ NO		☐ Slab	☐ Crawl Space	
Trench Width: 24	Trench Bottom Depth (Low side): 36		Gravel Depth: 0	☐ GRAVITY ☑ PRESSURE	☒ Basement w/ Plumbing	☐ Basement w/o Plumbing	

Comments / Conditions: See attached design & site plan by Michael Athanas & Associates. In addition - all drainage must be diverted away from septic drain field areas. All repair areas must be preserved or septic will be revoked. Driveway/parking areas, patios & pool areas cannot be constructed over septic.

INITIAL SITE SKETCH

See attached site plan & design by Michael Athanas & Associates

approved 5/16/23

Note change to 4 bedroom

AS BUILT SKETCH

TOP Line Y4 + Tanks SW 9/26/2023
2nd Line DW 9/27/23
Lines, PH, CVB, Floats - 9/28/23 DW

Electrical, Alarm 12/4/23 DW

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:

IMPROVEMENT PERMIT by: D.Webery Date: 5/16/23

AUTHORIZATION TO CONSTRUCT by: D.Webery Date: 5/16/23

Installed By: Groundbreakers - Shannon Henderson

OPERATION PERMIT by: D.Webery Date: 12/4/23

Existing System Inspected By: Date:

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

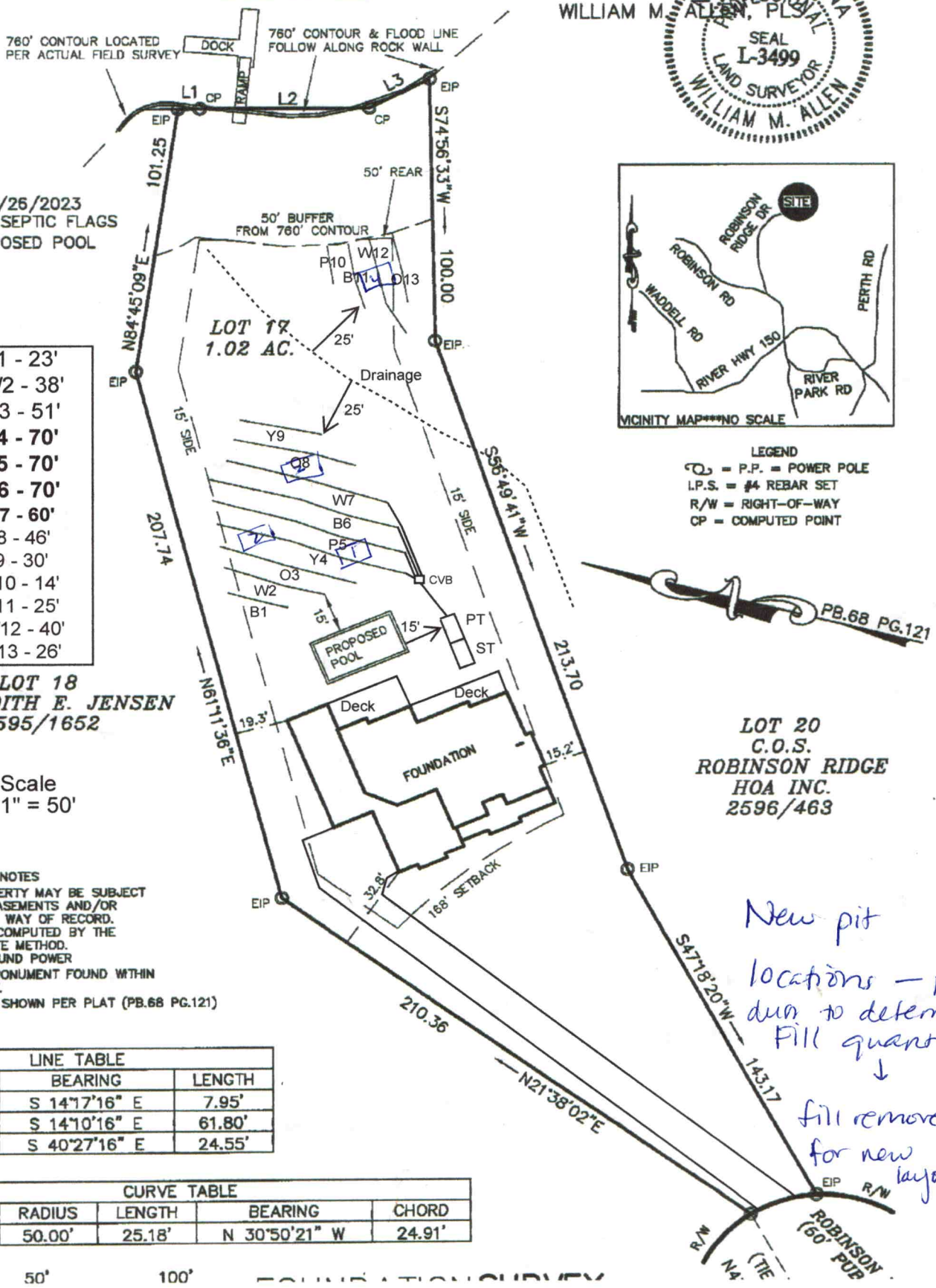
plat book 68, page 121, that the ratio of precision is 1':10,000, that this map was prepared in accordance with the General Statutes of North Carolina Chapter 89C.

my hand and seal on the 27, day of FEBRUARY, A.D. 20 2023.

WILLIAM M. ALLEN, PLS

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

UPDATED: 4/26/2023
ADDED NEW SEPTIC FLAGS
ADDED PROPOSED POOL



B1 - 23'
W2 - 38'
O3 - 51'
Y4 - 70'
P5 - 70'
B6 - 70'
W7 - 60'
O8 - 46'
Y9 - 30'
P10 - 14'
B11 - 25'
W12 - 40'
O13 - 26'

LOT 18
MEREDITH E. JENSEN
2595/1652

LOT 20
C.O.S.
ROBINSON RIDGE
HOA INC.
2596/463

Scale
1" = 50'

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.
5) SETBACKS SHOWN PER PLAT (PB.68 PG.121)

LINE TABLE		
LINE	BEARING	LENGTH
L1	S 14°17'16" E	7.95'
L2	S 14°10'16" E	61.80'
L3	S 40°27'16" E	24.55'

CURVE TABLE				
CURVE	RADIUS	LENGTH	BEARING	CHORD
C1	50.00'	25.18'	N 30°50'21" W	24.91'

New pit
locations — pits dug to determine Fill quantity
↓
fill removed for new layout

0' 25' 50' 100' FOUNDATION SURVEY

APPROVED MAY 1 6 2023

MA&A
SOIL & ENVIRONMENTAL CONSULTANTS

MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
556 Walden Trail
Weddington, NC 28173
(704) 576-3887
4/27/2023

Reference: Data Sheet for 142 Robinson Ridge Rd, Robinson Ridge Lot 17
House Footprint: See attached plan
Building Setbacks: 168' front, 35' rear, 15' side, 50' lake
Water Source: Private Well
Number of Bedrooms/Daily Flow: 4/480 GPD
Proposed LTAR: 0.3 GPD/FT^2
Proposed System Type: Vertical PPBPS
Proposed Repair System Type: Vertical PPBPS
Distribution: Low Pressure – Central Valve Box
Flow per Orifice: 0.41 GPM
Orifice Size: 5/32"
System Flow: 25.4 GPM
Dosing Volume: 223.2 gallons
Pump Run Time: 8.8 minutes
Elevation Head: TBD
Friction Head: 0.3'
Pressure Head: 2'
Total Dynamic Head: TBD
Supply Line Length: 20' of 2" PVC
Septic/Pump Tank Size: 1000/1000 gallons
Proposed Trench Bottom: 36"

Line	Design Length	# of Panels	Actual Length	Elevation
Blue 1			23'	
White 2			38'	
Orange 3			51'	
Yellow 4	**70'**	**16**	**72'**	
Pink 5	**70'**	**16**	**73'**	
Blue 6	**70'**	**16**	**72'**	
White 7	**60'**	**14**	**60'**	
Orange 8			46'	
Yellow 9			30'	
Pink 10			14'	
Blue 11			25'	
White 12			40'	
Orange 13			26'	

APPROVED MAY 1 6 2023

Initial System: 270'
Pump Tank: TBD
Benchmark: TBD

Repair System: 293'
House Corner: TBD

Comments:
MA&A has worked in conjunction with ICHD to determine the best solution for the altered site conditions on this lot that happened during the construction process.

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

Sheet 1 of 1
PROPERTY ID #: 4638222491
COUNTY: Iredell

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

Lot 17

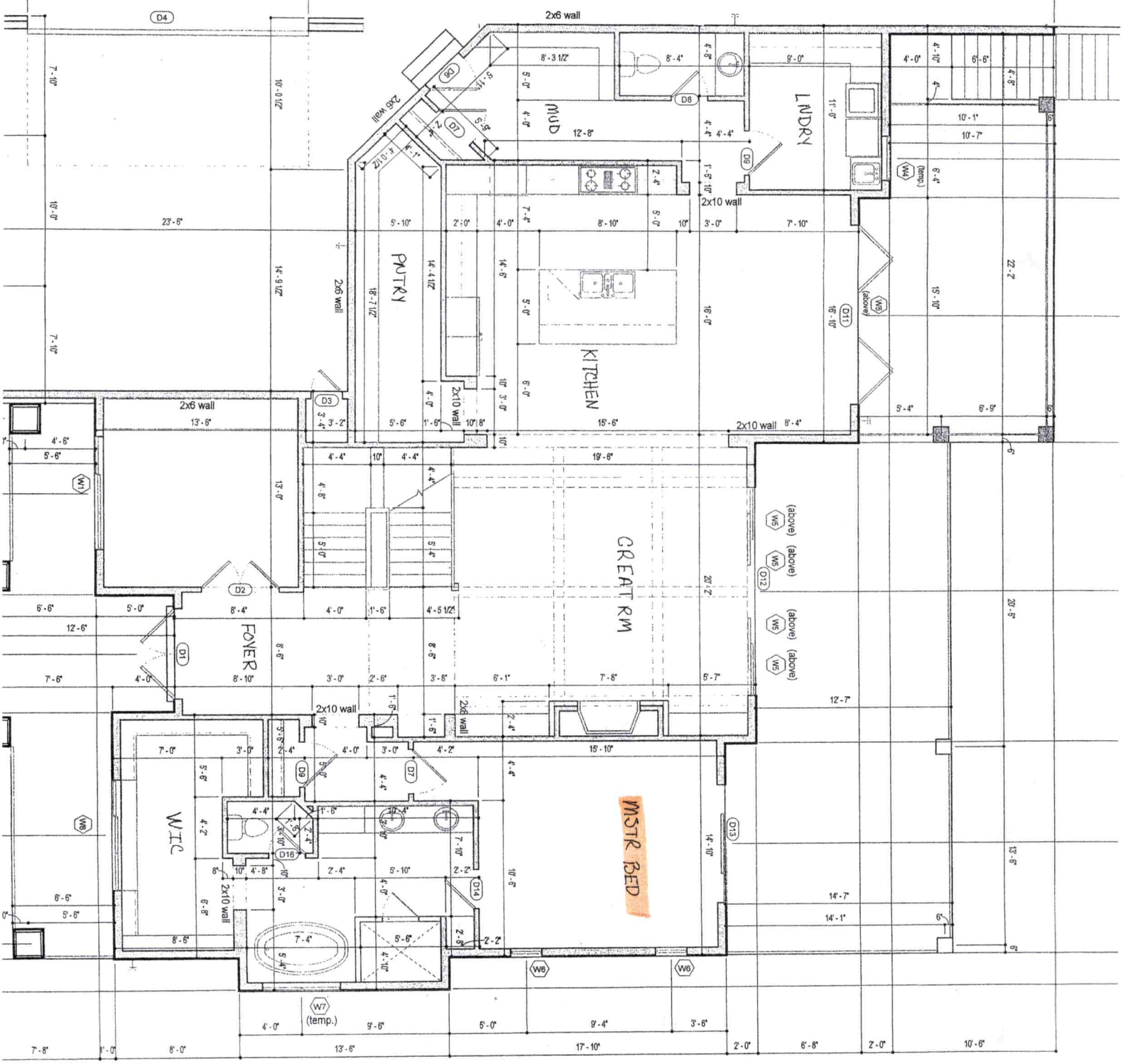
OWNER: Kenny Owers
ADDRESS: 142 Robinson Ridge
PROPOSED FACILITY: SFD
LOCATION OF SITE: 150 to Robinson to Robinson Ridge
APPLICATION DATE 12/13/17
DATE EVALUATED: 1/24/18
PROPOSED DESIGN FLOW (.1949): 600
PROPERTY SIZE: 1.024 ac
PROPERTY RECORDED: Yes
WATER SUPPLY: ☒ Private ☐ Public ☒ Well ☐ Spring ☐ Other N/A
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	LSS 35%	0-11	WSCL	fr SE	Mony 4B3M	PS	W/A	55-60 Rock Inc S. Sewell 29-60 Few-Com Sap Inc	PS .3
		11-29	SBk C	fi SE					
		29-60	WSBkCL	fi/fr SE					
2	LSS	0-7	GSCL	fr SE	PS	PS	45"	N/A	PS .3
		7-33	SBk C	fi SE					
		33-45	WABkCL C	fi/fr SE					
		45-65	MSAPL	fr W/A					
3	LSS	0-10	G SCL	fr SE	PS	PS	45"	W/A	PS .3
		10-32	SBk C	fi SE					
		32-45	WSBk C	fi/fr SE					
		45-75	MSAPL	fr W/A					
4	LSS	0-10	WSIBk SCL	fr SE	PS	PS	35"	W/A	PS .3
		10-14	SBk C	fi SE					
		14-35	WSBk CL	fi/fr SE					
		35-68	LSAP	fr N/A					

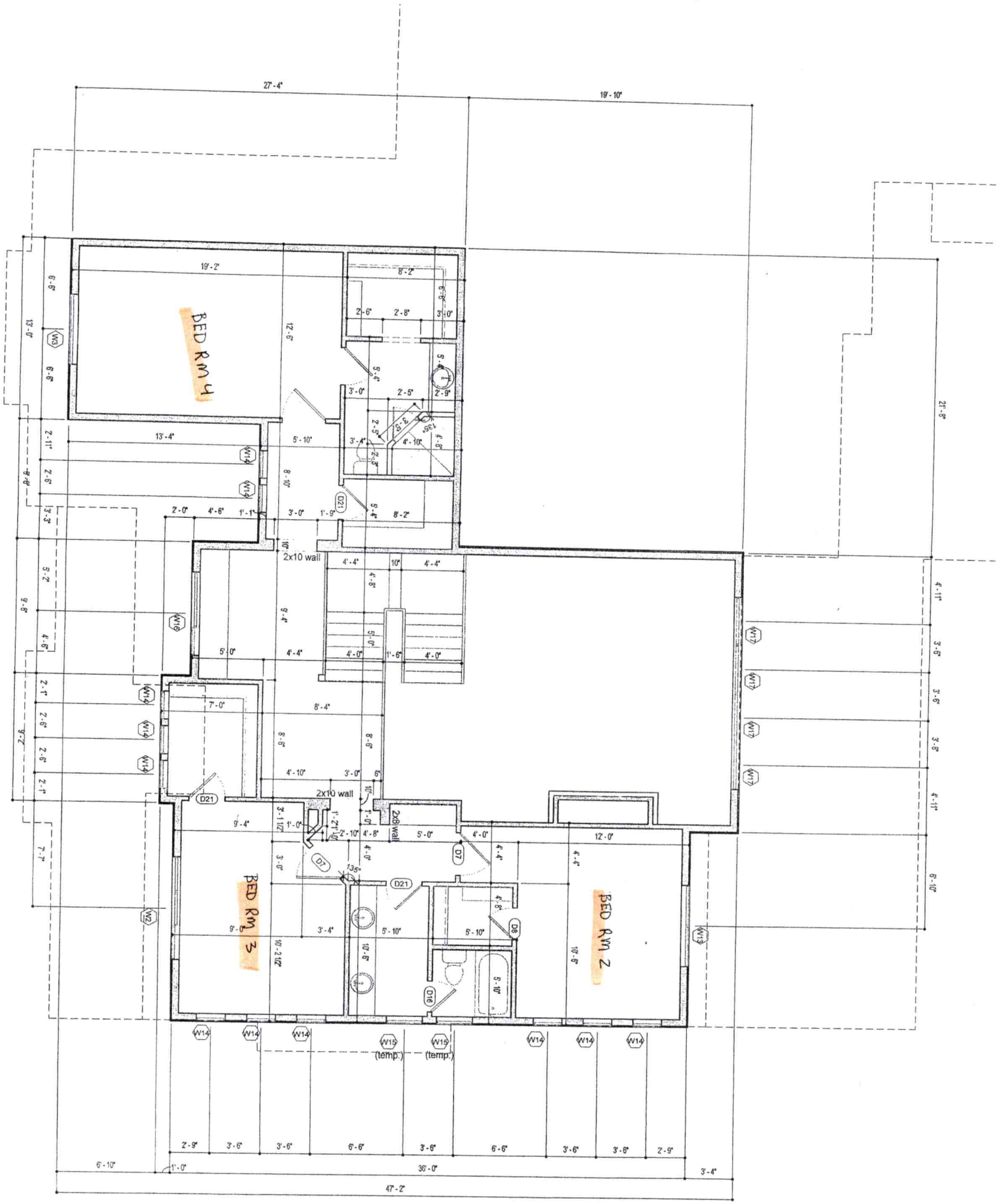
DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	IJ	IJ
Site LTAR	.3	.3

OTHER FACTORS (.1946): PS
SITE CLASSIFICATION (.1948): ~~PS~~
EVALUATED BY: H snow
OTHER(S) PRESENT:

COMMENTS: #5 0-9 GSCL 9-24 SBk C 24-35 WABk CL 35-75 MSAPL



Acknowledgement Of Plans Submittal ONLY!


BED RM 4
BED RM 3
BED RM 2
2x10 wall
2x8 wall
(temp.)
(temp.)
27' - 4"
19' - 10"
47' - 2"
36' - 0"