ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 (65) Mooresville Office (704) 660-3625 (10) PERMIT # 243196

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

PIN # 4710290732 / 4711208178 OFFSITE

APPLICANT/OWNER: CRAIG ROBERSON APPLICANT ADDRESS: 133 LIVE OAK LANE, ADVANCE, N.C. 27006

SITE ADDRESS: 264 SOUTH HARBOR WATCH DRIVE, STATESVILLE, N.C. 28677 PHONE: 336-473-4289 ALT. PHONE —

SITE DIRECTIONS: (W) ON 70, (L) ON BUFFALO SHOALS, (L) ON LAUREL COVE, (R) HARBOR GATE, (L) ON SOUTH HARBOR WATCH, LOT ON (R)

SAP CONTROLLED: ☐ YES ☒ NO REPAIR

SUBDIVISION: HARBOR WATCH SECTION: 1 LOT # 29/29-A LOT AREA: 0.62 AC / 0.23 AC DESIGN FLOW: 600 GPD L.T.A.R.: 0.3 (0.275)

Septic Tank	1500	(gal)	STB 389	Date 4-6/14-8	☑ New System	☐ Repair	☐ Expansion	System Type: I II III (IV) V VI	☑ Residence	No. Bedrooms	5	Water Supply
Pump Tank	1500	(gal)	PT 306	Date 7-27-20	System Description: LPP-PPBPS 50% REDUCTION				☐ Business	No. Persons	10	☑ Private
Pump Make	IHP		Model Zabel	Serial #	Repair System Description: LPP-PPBPS 50% REDUCTION				☐ Other	No. Employees	—	☐ Public
# Nitrification Fields	1		# Lines 6	Linear Ft: 334ft	Maintenance Agreement Required:	☑ YES	☐ NO		☐ Slab	☐ Crawl Space		☐ Community
Trench Width	24 IN		Trench Bottom Depth(Low side)	28 IN	Gravel Depth —	☐ GRAVITY	☑ PRESSURE		☑ Basement w/plumbing		☐ Basement w/o plumbing	

Comments / Conditions: INSTALL ON CONTOUR, INSTALL ON 8FT CENTERS, SITE PLAN MUST BE ATTACHED TO PERMIT AT ALL TIMES OR PERMIT IS INVALID, DO NOT EXCEED 28" LOW SIDE TRENCH BOTTOM

GRINDER PUMP TO BE USED FOR BASEMENT PLUMBING

INITIAL SITE SKETCH

SEE ATTACHED SITE PLAN FROM CS+SC CAROLINA SOIL AND SEPTIC CONSULTING PLLC, ADRIAN PRUETT, LSS#1314

AS BUILT SKETCH

	Date	Initials
Drain Lines Checked	10-9-2020	BCW
Tanks Checked	9-23-20	JS
Pressure Manifold or Valve Box Checked	10-9-2020	BCW
Pressure Head Set	4-21-2021	PSB
Electrical Checked	4-21-2021	PSB
Floats Set	3-2-21	BB.
Alarm Checked	3-2-21	BB.
Maintenance Contract (Y) / N		
Comments: Checked Bottom 5 times JS 10 ~~Not on Dedicated Circuits~~	10-2-20	

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**

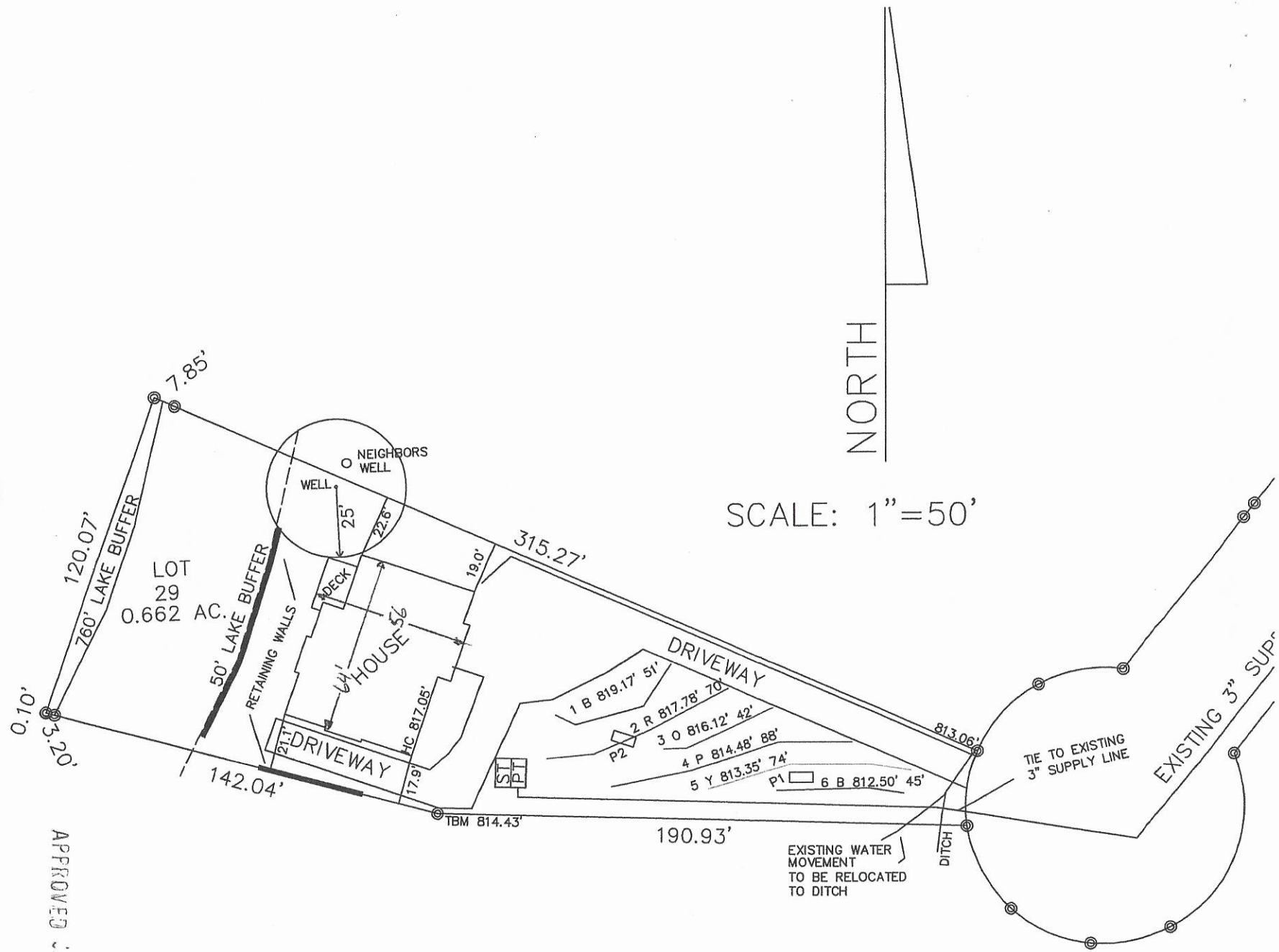
☐ **IMPROVEMENT PERMIT** *with plat valid without expiration.* ☑ **IMPROVEMENT PERMIT** *with site plan valid for 60 mos.* ☑ **AUTHORIZATION TO CONSTRUCT** *valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.*

Owner / Applicant Signature: [signature] Date: 1-21-2020 Installed by: (Jake) Williams Excavations

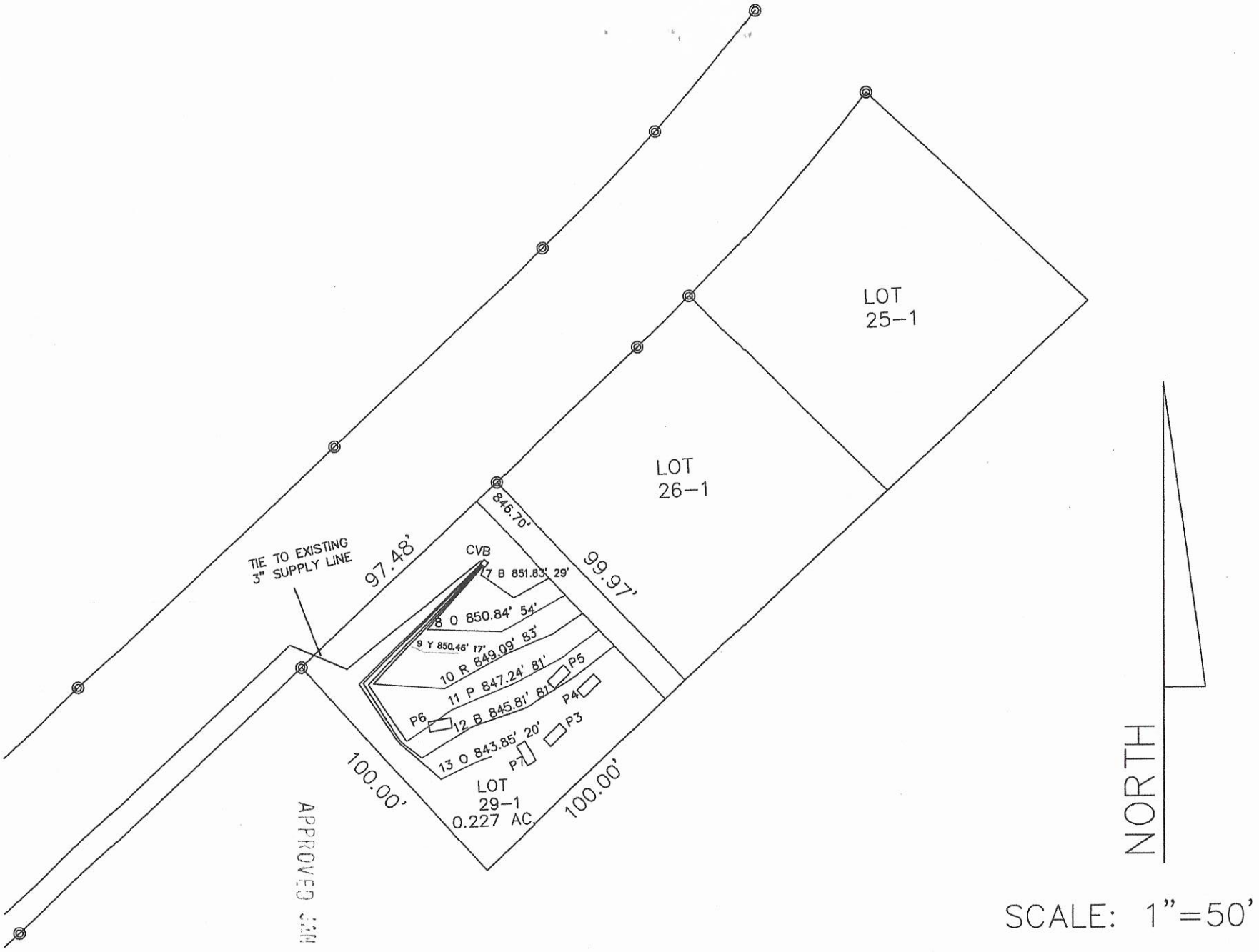
IMPROVEMENT PERMIT by: Bryant C. White Date: 1-17-2020 OPERATION PERMIT by: Patrick J. Boyle III Date: 4-26-2021

AUTHORIZATION TO CONSTRUCT by: Bryant C. White Date: 1-17-2020 Existing System Inspected by: Date:

FOR SEPTIC FINAL INSPECTION: CALL 704-664-3703 between 8am-9am the day the inspection is needed. Be sure to speak with an inpsector to confirm your inspection time.



APPROVED JUL 17 2020


LOT
25–1
LOT
26–1
LOT
29–1
0.227 AC.
TIE TO EXISTING
3" SUPPLY LINE
97.48'
99.97'
846.70'
100.00'
100.00'
CVB
7 B 851.83' 29'
8 O 850.84' 54'
9 Y 850.46' 17'
10 R 849.09' 83'
11 P 847.24' 81'
12 B 845.81' 81'
13 O 843.85' 20'
P3
P4
P5
P6
P7
NORTH
SCALE: 1"=50'
APPROVED JAN 17 2020

Carolina Soil & Septic Consulting, PLLC

P.O. Box 1703, Mooresville, NC 28115

Phone: (704) 202-5791 Email: adrianpruett@yahoo.com

NC Licensed Soil Scientist, SC Professional Soil Classifier,
Certified Septic System Operator, Licensed Septic Installer,
Certified Septic Inspector

Design proposal for a PPBPS Septic System with low pressure distribution for a 5 bedroom single family residence on 264 S. Harbor Watch Dr., Lot 29 Harbor Watch Subdivision , Iredell County, North Carolina.

Contents:

	Page
Installer Information	1
Design Information	
Install Specifications	2
Field Layout Specifications	3
System Tapsheet	4
Site Plan/System Plan	5-7
Dosing Calculations	8
Soil Profile Descriptions	9-10

APPROVED JAN 17 2020

Revised
January 9, 2020
Job Number: 20007
Design By: Adrian L. Pruett LSS



INSTALLER INFORMATION:

- The permit should be read very carefully prior to submitting bid. The following are details that must be considered along with all other considerations.
- Tanks shall be approved by NC DHHS, and certification supplied by the manufacturer.
- All tanks shall be properly back filled and compacted to prevent slump at a later date.
- The installer is responsible for final grades and returning that grade to original, with exception of added structural features.
- The supply trench shall be compacted to eliminate any cavities left during initial fill placement.
- Installation of the system shall be during dry conditions in order to protect the soil structure.
- All fittings shall be pressure rated fittings.
- All joints shall be cleaned with PVC pipe cleaner and a heavy bodied glue applied to weld all joints.
- Where required by the county health department, post installation inspections by the designer must be scheduled 5 week days in advance.
- Trenches shall be carefully excavated so the bottom has no more than 1/4"fall in 10 feet with no high or low areas within. If high or low areas do exist after trench excavation, high areas should be removed rather than filling in low areas. Do not over excavate trenches! Any fine grading should be completed by hand with a rake and shovel, leaving no loose material.
- All pipe openings in the tanks shall be properly grouted. This also applies to the joints around the riser.
- Earth dams, constructed of relatively impervious material, shall be installed at the beginning and end of each lateral to prevent unwanted lateral water movement.
- Elevations at pin flag locations should be checked by the installer prior to beginning trenches to insure accuracy.
- Pump tank riser should be 6" above grade, control panel should be 12" above grade.
- If septic tank risers are used they should be a minimum of 6" above finished grade or within 6" of final grade if buried.
- **Design precludes use of foundation drains on the residence.**
- Backfill minimum of 6" of material (County Approved) over panels, rake trench walls, lime side walls, install trenches 36" wide.
- **System is specified as a PPBPS with Low Pressure Distribution.**
- **Repair is specified as a PPBPS with Low Pressure Distribution.**
- **If grading for a slab occures, do not create a greater than 2 ft. cut within 15 ft. of any septic component. Do not back fill over any septic component.**

APPROVED JAN 17 2020

LOW PRESSURE PPBPS SYSTEM
INSTALL SPECIFICATIONS

Owner/Applicant Information

Owner: Craig and Emily Roberson
Address: 133 Live Oaks Ln.
Advance, NC 27006
Client: Craig Roberson
Phone Number: 336-473-4289

Location: 264 S. HARBOR WATCH DR., HARBOR WATCH LOT 29
County: IREDELL

Source of Wastewater Flow: 5 Bedroom Single Family Residence
Estimated Gallons Per Day Flow: 600
System Flow: 31.57

Design Specifications

Drainfield Size: 335
Required Drainfield Size: 333.3333333
Loading Rate (gpd/ft.^{2}): 0.3
Depth of Gravel in Trench: NA (PPBPS)
Gravel Size: NA (PPBPS)
Trench Depth: 28 in.
Trench Width: 24 in.

Septic Tank Size: 1250 gal.
Pump Tank Size: 1250 gal.

Repair Trench Spacing: 24 in.
Repair Trench Depth: 31 in.

Estimated Supply Line Length: 1065
Supply Line Diameter: 3 in. SCH 40 PVC
Supply Line Volume: 408.96
Dosing Volume: 277.20

Recommended Pump: Iredell County Approved

Recommended Float Controls: Iredell County Approved

Recommended Control Panel: Iredell County Approved

Pressure Head: 2 ft.
Friction Head: 3.73
Elevation Head: 41.83
Total Dynamic Head: 57.07

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Threaded Union: In Tank
Gate Valves: 1 in Tank
1 per lateral
Check Valves: 1 in tank, 1 at connection to stub up on lot, 1 at connection to stub up on offsite
Anti-Siphon Hole: N/A
Additional Comments: Soil suitability performed by Carolina Soil & Septic Consulting, PLLC

**Pump tank draw down based on a volume basis of 30 gallons per inch. Draw down may vary among pump tank manufacturers.*

264 S. HARBOR WATCH DR., HARBOR WATCH LOT 29
FIELD LAYOUT SPECIFICATIONS

LAYOUT FOR 5 BEDROOM HOME

January 9, 2020

LINE #	FLAG COLOR	IH	FS	ELEVATION	FLAGGED LINE LENGTH	DESIGN LINE LENGTH
TBM				814.43		
INSTR. 1						
HOUSE CNR				817.05		
P. TANK				815.00		
1	BLUE			819.17	51	51
2	RED			817.78	72	70
3	ORANGE			816.12	45	42
4	PINK			814.48	94	88
5	YELLOW			813.35	78	74
6	BLUE			812.50	47	45
7	***BLUE***			***851.83***	*29*	*29*
8	***ORANGE***			***850.84***	*54*	*54*
9	YELLOW			850.46	17	17
10	***RED***			***849.09***	*83*	*82*
11	***PINK***			***847.24***	*81*	*80*
12	***BLUE***			***845.81***	*82*	*70*
13	***ORANGE***			***843.85***	*82*	*20*
14	***RED***			***842.62***	*83*	***UNUSED***
15	PINK				17	UNUSED
				Total	**915**	**722**

	LINE LENGTH	SYSTEM TYPE	SOIL LTAR GPD/FT2	TRENCH SYSTEM	DISTRIBUTION
** System*	*335*	*MOD.*	*0.300*	*PPBPS*	*LOW PRESSURE*
Repair	370	MOD.	0.275	PPBPS	LOW PRESSURE

Notes:
** TBM located on top of EIP on left lot line angle point (see site plan)
**All measures in feet
**Nitrification lines are demonstrated on contour via colored pin flags
**IH, and FS indicate rod readings

APPROVED JAN 17 2020

Comments: **3" Supply Line from the lot to the offsite is already installed. Install a 3" line from the pump tank to the existing supply line stub up and from the stub up at the offsite to the Central Valve Box. Use of 2" pipe form the tank to the stub up on the lot or from the offsite stub up to the Central Valve Box will change the friction factor and Total Dynamic Head.**

A grinder pump is to be used in the basement to pump basement plumbing to the first floor plumbing.

Iredell County has permission from CS&SC to change tank and distribution device locations.

LOW PRESSURE PPBPS TAPSHEET
264 S. HARBOR WATCH DR., HARBOR WATCH LOT 29
SYSTEM

Line #	Color	Elevation	Length	Hole Size	Flow/hole	Trench Area	Number of Panels
7	*BLUE*	*851.83*	*29*	0.156	**0.41**	87	7
8	*ORANGE*	*850.84*	*54*	0.156	**0.41**	162	12
10	*RED*	*849.09*	*82*	0.156	**0.41**	246	19
11	*PINK*	*847.24*	*80*	0.156	**0.41**	240	18
12	*BLUE*	*845.81*	*70*	0.156	**0.41**	210	16
13	*ORANGE*	*843.85*	*20*	0.156	**0.41**	60	5
							77
	total	**feet =**	**335**	**gal/min =**	**31.57**		
			Des. Flow	**600**			
			Pump Run=	**5.88**			
			soil LTAR	**0.3**			

.156 equals 5/32 inch hole

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DOSING CALCULATIONS

Location 264 S. HARBOR WATCH DR.
Subdivision: HARBOR WATCH
Lot No: 29

No. of Bedrooms	5
Design Flow	600 $^{gal}/_{day}$
LTAR	0.300 $^{gal}/_{ft^2\ day}$
PPBPS? (YES OR NO)	YES
Supply Line Length	1065 ft.
Supply Line Volume	408.96 gal.
Required Feet of Line	333.3333 ft.
Amount of Line from Layout	335 ft.
Gallons per Minute	31.57 $^{gal}/_{min}$
Required Septic Tank Capacity	1250 gal.
Minimum Standard Tank Size	1250 gal.
Panel Volume	3.6 gal.
# of Panels	77
Dosing Volume	277.20 gal.

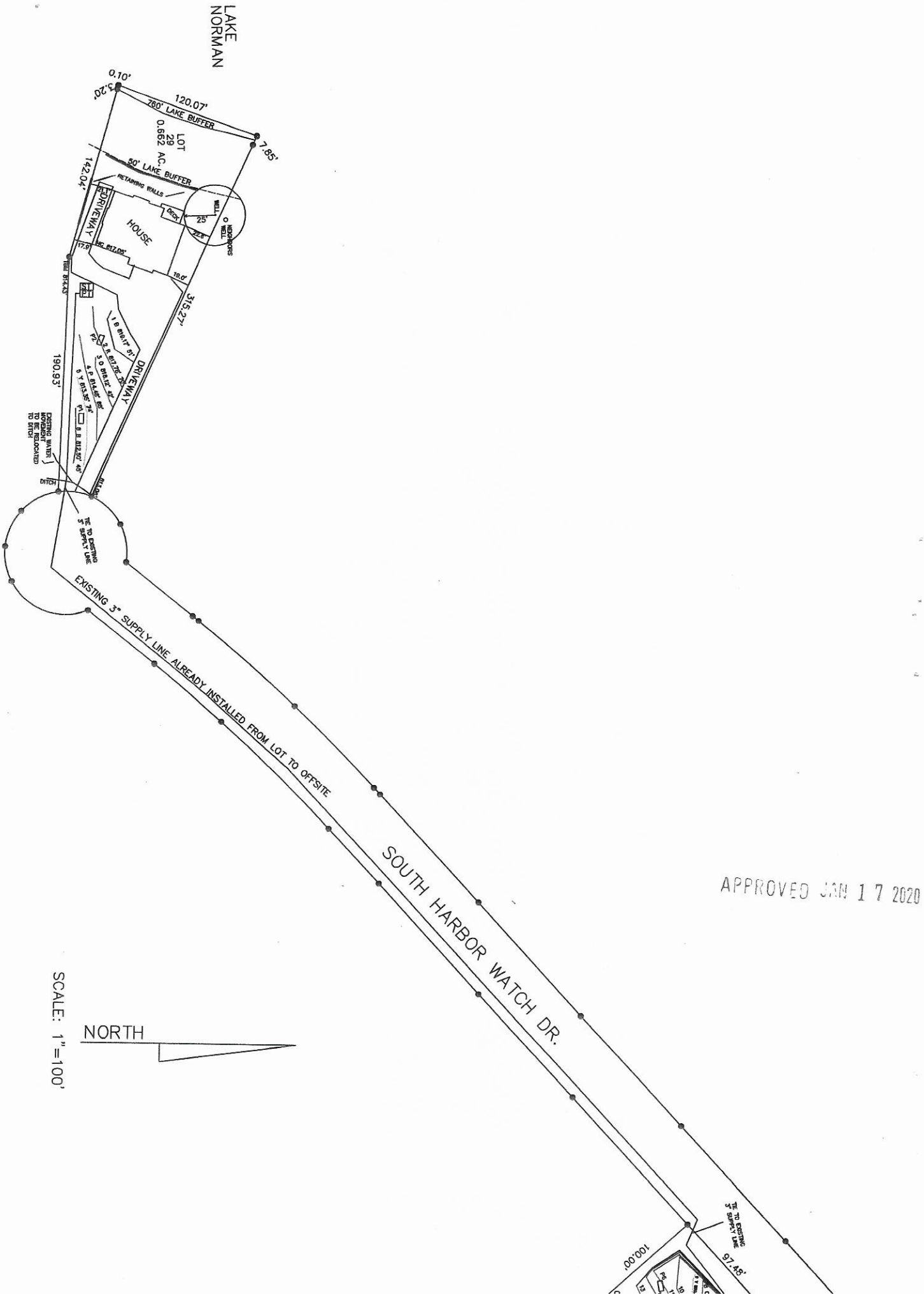
Note: Dosing Volume based on 100% of # of panels times 3.6 gal/panel

Tank Draw Down	9.2 *Generic Draw Down of 30 gal.per in.*
Pump Run Time	8.78 minutes
Elevation Head	41.83 ft.
Pressure Head	2 ft.
Friction Factor	0.35 ft./100 ft. *(From the interpolater.)*
Friction Head	3.73 ft.
Total Dynamic Head (+20%)	57.07 ft.

FRICTION FACTOR INTERPOLATER
3" SCH 40 PVC

GPM	*f*
20	0.12
	-0.16
25	0.19
	-0.16
30	0.26
	-0.28
35	0.35
	-0.28
40	0.44
43.07	0.51
45	0.55
48.14	0.63
50	0.67
57.11	0.86
60	0.94

APPROVED JAN 17 2020



APPROVED JAN 17 2020

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

Sheet 1 of 1
PROPERTY ID #: 47102905
COUNTY: IREDELL

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

OWNER: CRAIG ROBERSON
ADDRESS: 133 LIVE OAKS LANE, ADVANCE, NC 27006
APPLICATION DATE: 3-22-19
PROPOSED FACILITY: 5 BR
PROPOSED DESIGN FLOW (.1949): 600 GPD
DATE EVALUATED: 4-12-19
LOCATION OF SITE: 264 SOUTH HARBOR WATCH DRIVE, STATESVILLE, NC 28677
PROPERTY SIZE: 0.62 AC
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 R	10% LINEAR SIDE	0-8	SCL, SBK	FR, SS, SP, SEXP	Y/B MOTS 48"-52" WET	52"	NA	NA	PS .275 ABOVE 48"
		8-52	SCL, WSBK	FR, S, P, SEXP					
2 R	10% LINEAR SIDE	0-4	SCL, SBK	FR, SS, SP, SEXP	SAP INC MICA ~~H2O~~ 48"+ IN PIT @ TIME OF VISIT	~~48"~~ +	NA	NA	PS .285
		4-48	C, SBK	FR, S, P, SEXP					
3 L	LINEAR SIDE 16%	0-8	SCL, SBK	FR, SS, SP, SEXP	SAP INC 24"-48"	52"+	NA	NA	PS .3
		8-24	C, SBK	FR, S, P, SEXP					
		24-52	SCL, WSBK	FR, SS, SP, SEXP					
4 L	LINEAR SIDE 16%	0-9	SCL, SBK	FR, S, SEXP	SAP INC 30-44"	44"	NA	NA	PS .3
		9-36	C, SBK	FR, S, SEXP					
		36-44	SCL, WSBK	FR, SS, SEXP					
		44-55	SAP, MAS	FR, NS, NP, SEXP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	50%	50%
Site LTAR	.3	0.275

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

COMMENTS:

IN OFFICE REDRAW

$75 | $550
1/10/2020
#243196

IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

APPLICATION FORM

Application For: (✓) New Well Permit ( ) Well Repair Permit ( ) Well Abandonment
(✓) Septic Improvement Permit (✓) Authorization to Construct ( ) Existing System Inspection ( ) Septic System Repair

THE ABOVE PERMIT DOCUMENTS WILL BECOME INVALID IF INFORMATION PROVIDED ON THIS APPLICATION IS FALSIFIED OR CHANGED, OR IF THE SITE IS ALTERED. THE IMPROVEMENT PERMIT IS VALID FOR EITHER 60 MONTHS OR WITHOUT EXPIRATION DEPENDING UPON DOCUMENTATION SUBMITTED. APPLICATION WITH SITE PLAN 60 MONTHS, APPLICATION WITH COMPLETE, SCALED PLAT WITHOUT EXPIRATION. SEE 15A NCAC 18A .1937(f) FOR DETAILS.

Page 2: *Site Plan Worksheet* form MUST accompany this application

The following optional attachments may also be submitted: (✓) Survey Plat, scaled no more than 1 inch = 60 feet
Place an (X) *beside whichever is submitted if applicable* (✓) Custom Site Plan, scaled no more than 1 inch = 60 feet

Applicant Information: (PRINT CLEARLY)

Applicant Name: CRAIG ROBERSON **Address:** 133 LIVE OAKS LN., ADVANCE, NC **Zip:** 27006

Applicant Email: ROBERSON@YADTEL.NET **Phone:** 336-473-4289 **Alt. Phone:**

Owner Name: SAME **Address:** **Zip:**

Owner Email: **Phone:** **Alt. Phone:**

Property Information:

Street Address: 264 S. HARBOR WATCH DR., STATESVILLE

Subdivision Name: HARBOR WATCH **Section/Phase:** **Lot Number:** 29

Driving Directions: S. CENTER ST TOWARD DOWNTOWN, TR ON W FRONT, TL ON BUFFALO SHOALS, CONTINUE ON BUFFALO SHOALS ALMOST TO CATAWBA CO, TL ON LAUREL COVE, TR ON HARBOR GATE, TL ON S HARBOR WATCH, LOT AT END ON R IN CUL-DE-SAC

Site Development Information: *(check or complete ALL that apply*

(✓) New Single Family Residence
( ) New Multi-Family Residence
( ) Accessory Building
( ) Bedroom(s) Addition
( ) Repair to failing septic system ___ Tank ___ Drain lines Describe Problem:

Maximum Number of Bedrooms: 5
Maximum Number of Occupants: 10
( ) Swimming Pool
( ) Other Addition/Structure:

CHECK FOUNDATION TYPE
( ) Crawl Space Foundation
( ) Concrete Slab Foundation
(✓) Basement with Plumbing
( ) Basement without Plumbing

Non-Residential Site Development: Type of Business:
Square Footage of Building: Max. Number of Employees: Max. Number of Seats/Beds/Other:

Water Supply: ( ) Replacement Well – Reason:
( ) Multi-connection Well Number of Houses: Number of Persons:

(✓) New Well ( ) Existing Well ( ) Community Well ( ) City Water ( ) Other Public Water

Desired Septic System Type: *(you may rank in order of preference)* Year existing system installed:
( ) No Preference ( ) Alternative ( ) Conventional ( ) Innovative (✓) Modified Conventional ( ) Other:

Please answer the following to the best of your ability:

( ) Yes (✓) No Does the site contain any jurisdictional wetlands?
( ) Yes (✓) No Is any non-domestic sewage (i.e. industrial) to be generated?
( ) Yes (✓) No Is the site subject to approval by any other public agency?

I have read this application and certify that the information provided herein is true, complete, and correct. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliance with applicable laws and rules. I understand that I am solely responsible for the proper identification and labeling of all property lines and corners and making the site accessible so that a complete site evaluation can be performed.

Signature: _____ 1-10-2020
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) DATE

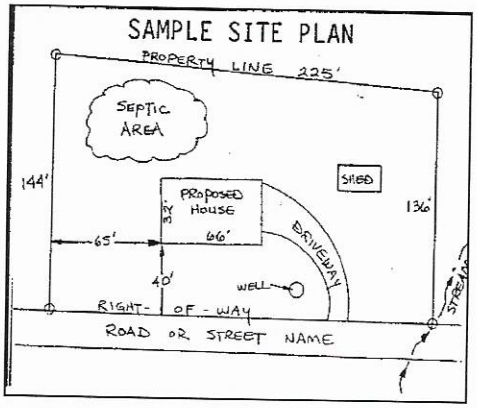
IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

SITE PLAN WORKSHEET

SEE THE "SAMPLE SITE PLAN" BELOW. ***INCOMPLETE SITE PLANS WILL BE RETURNED TO YOU FOR COMPLETION AND MAY RESULT IN A DELAY IN THE ISSUANCE OF YOUR SEPTIC SYSTEM OR WELL PERMIT!!!***

Place an (X) beside each item as you complete the site plan:

- (✓) **Property Line measurements are clearly identified**
- (✓) **All proposed structures are indicated**
- (✓) **Front and side setbacks from property line**
- (✓) **Preferred driveway location**
- (✓) **Preferred well location**
- (✓) **Preferred septic system location**
- (✓) **North arrow, or other sufficient indicator of direction**



Circle N/A on the following if appropriate:

Location of septic systems and wells within 100' of your property N/A
Location of easements and rights of ways on your property N/A
Location of any designated wetlands on the property N/A

USE THIS SPACE TO DRAW YOUR SITE PLAN

Show: proposed house or business footprint, wells, water lines, patios, pools and decks, and any other item that will occupy space on the site

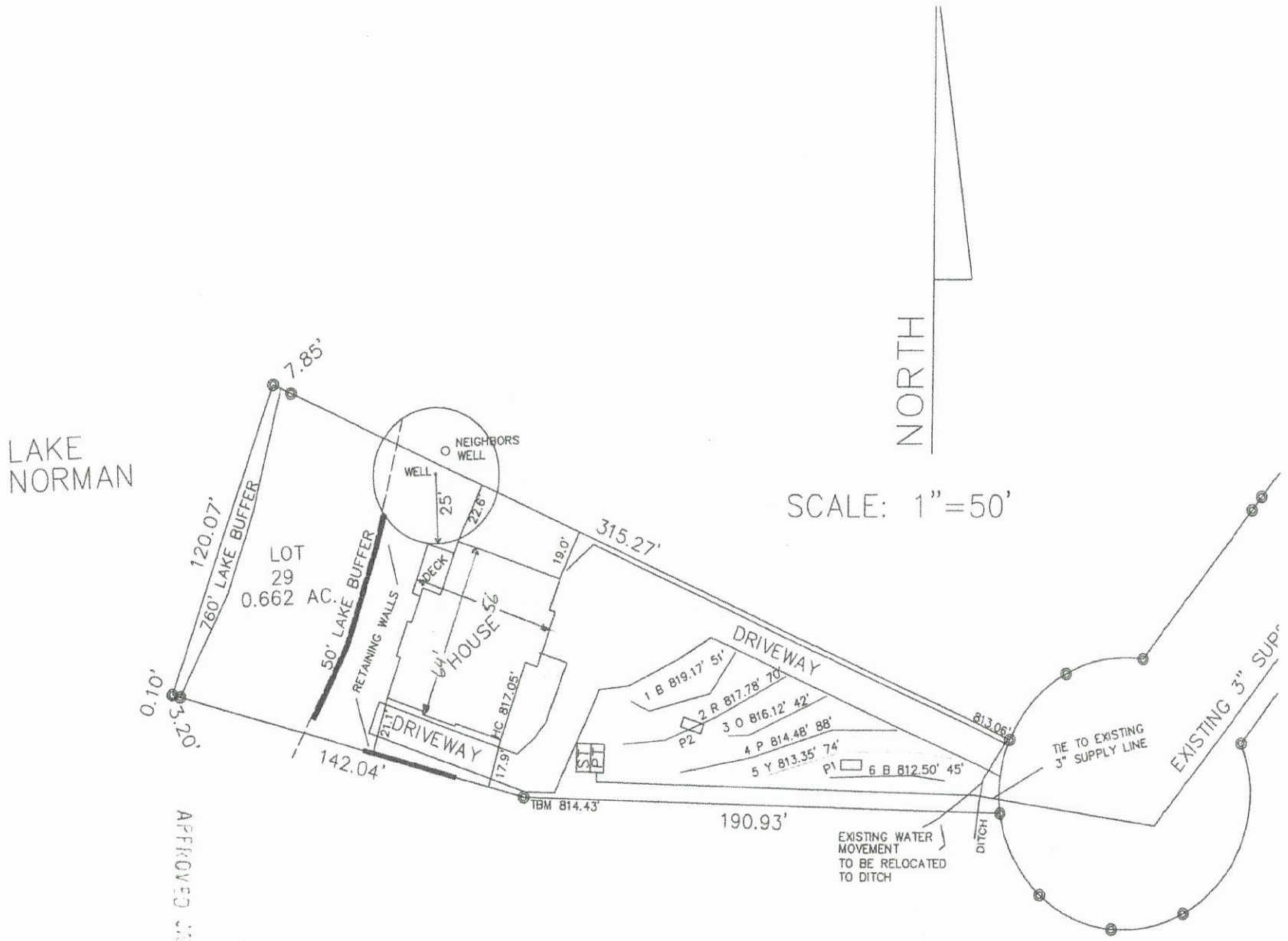
SEE ATTACHED SITE PLAN

Signature: _____

Property owner or owner's legal representative signature (SIGNATURE REQUIRED)

1-10-2020

DATE

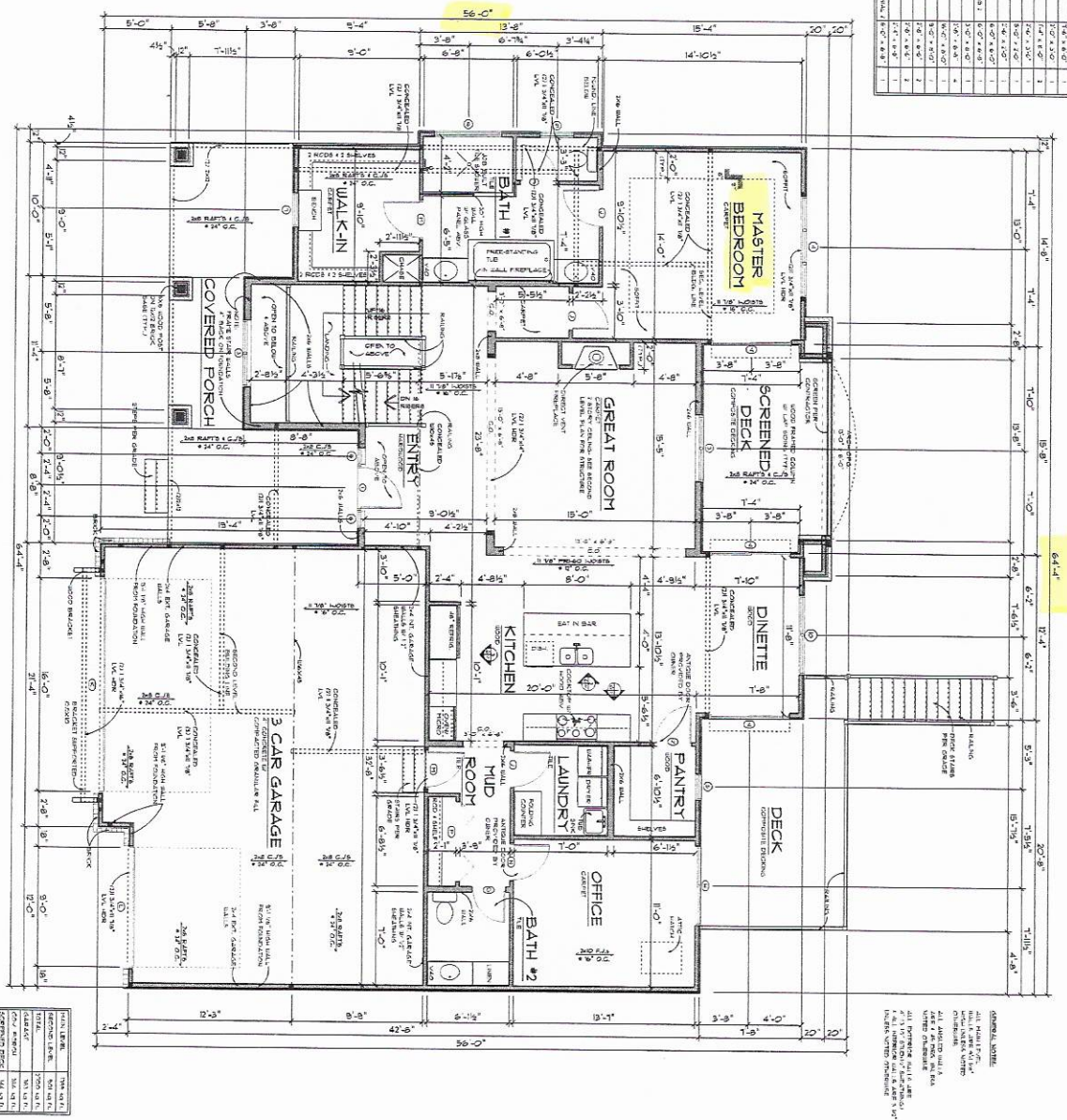


APPROVED JUL 17 2025


LOT
25-1
LOT
26-1
846.70'
99.97'
97.48'
TIE TO EXISTING
3" SUPPLY LINE
CVB
7 B 851.83' 29'
8 O 850.84' 54'
9 Y 850.46' 17'
10 R 849.09' 83'
11 P 847.24' 81'
12 B 845.81' 81'
13 O 843.85' 20'
P1
P2
P3
P4
P5
P6
100.00'
100.00'
LOT
29-1
0.227 AC.
APPROVED JUN 17 1930
NORTH
SCALE: 1"=50'

Acknowledgement Of
Plans Submittal ONLY!
Date 1-21-26
Bryant C. White Date 1-17-2020

OPENING ID	TYPE	OPENING SCHEDULE FINISHED DOOR	SIZE	COUNT
1	WINDOW	SLIDING CASEMENT	5'-0" x 5'-0"	2
2	WINDOW	SLIDING CASEMENT	5'-0" x 5'-0"	1
3	WINDOW	FIXED CASEMENT	2'-0" x 3'-0"	1
4	WINDOW	FIXED CASEMENT	2'-0" x 3'-0"	1
5	WINDOW	FIXED CASEMENT	2'-0" x 3'-0"	1
6	WINDOW	FIXED CASEMENT	2'-6" x 3'-0"	1
7	WINDOW	30X54 TRANSOM	3'-0" x 4'-6"	1
8	WINDOW	30X54 TRANSOM	3'-0" x 4'-6"	1
9	WINDOW	30X54 TRANSOM	3'-0" x 4'-6"	1
10	WINDOW	16X54 CASEMENT	1'-4" x 4'-6"	1
11	SLIDING DOOR	SLIDING GLASS	6'-0" x 8'-0"	1
12	DOOR	36X96 GLASS	3'-0" x 8'-0"	1
13	DOOR	36X80 FLUSH	3'-0" x 6'-8"	4
14	GARAGE	16'X8' W/ WINDOWS	16'-0" x 8'-0"	1
15	GARAGE	10'X8' W/ WINDOWS	10'-0" x 8'-0"	1
16	DOOR	32X80 EXTERIOR	2'-8" x 6'-8"	1
17	DOOR	32X80 EXTERIOR	2'-8" x 6'-8"	1
18	DOOR	36X80 SOLID PANEL	3'-0" x 6'-8"	1
19	BIFOLD	144X80 SOLID PANEL	6'-0" x 6'-8"	3



	MAIN LEVEL	1934 SQ FT
	SECOND LEVEL	1001 SQ FT
	TOTAL HEATED	2935 SQ FT
	GARAGE	1001 SQ FT
	SCREENED PORCH	144 SQ FT
	DECK	1001 SQ FT

GENERAL NOTES
ALL MAIN FLOOR WALLS 2x6 EXTERIOR WITH R-21 INSULATION UNLESS NOTED OTHERWISE.
ALL GARAGE WALLS 2x6 EXTERIOR WITH R-21 INSULATION UNLESS NOTED OTHERWISE.
ALL ATTIC WALLS 2x4 EXTERIOR WITH R-13 INSULATION UNLESS NOTED OTHERWISE.
ALL PORTIONS OF THE FLOOR SYSTEM OVER UNHEATED SPACES SHALL BE INSULATED WITH R-30 INSULATION UNLESS NOTED OTHERWISE.

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REVISION	DATE

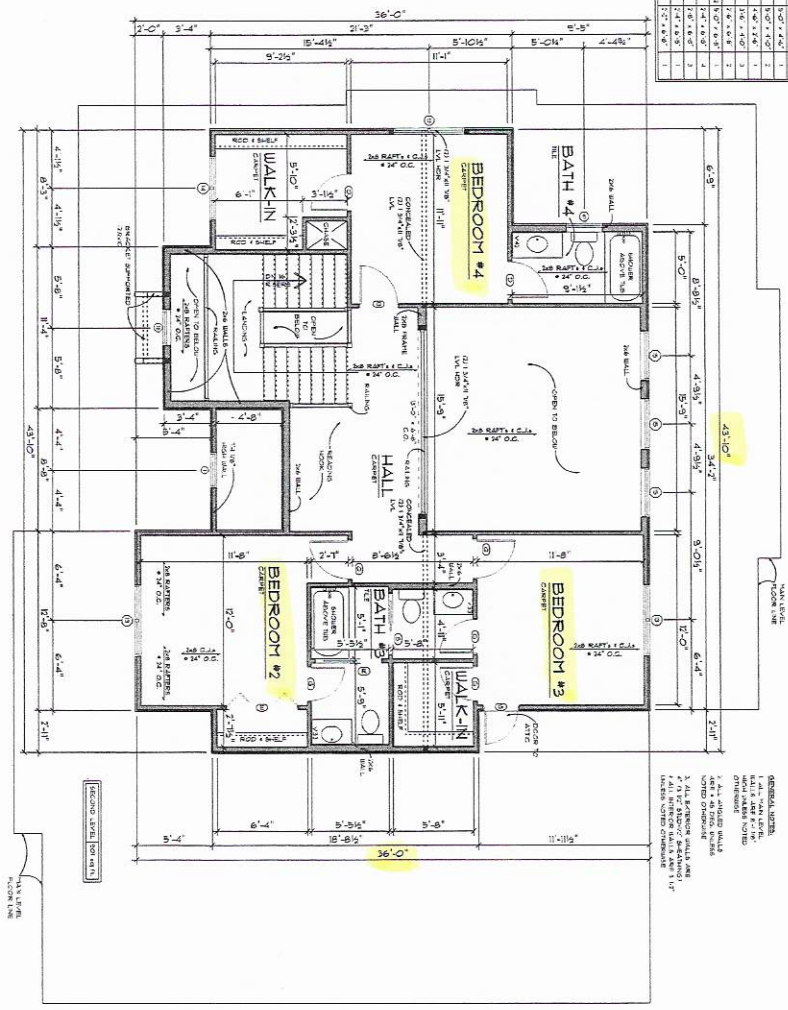
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OPENING ID	TYPE	PRODUCT CODE	SIZE	COUNT
1	WINDOW	3XX48 CASEMENT	3'-0" x 4'-0"	1
5	WINDOW	3XX36 CASEMENT	3'-0" x 3'-0"	1
6	WINDOW	3XX24 CASEMENT	3'-0" x 2'-0"	1
8	WINDOW	3XX24 CASEMENT	3'-0" x 2'-0"	1
9	WINDOW	3XX24 CASEMENT	3'-0" x 2'-0"	1
10	WINDOW	4XX48 CASEMENT	4'-0" x 4'-0"	1
11	WINDOW	5XX48 CASEMENT 2	5'-0" x 4'-0"	2
12	WINDOW	4XX48 CASEMENT 2	4'-0" x 4'-0"	2
13	WINDOW	1XX48 CASEMENT 1	1'-0" x 4'-0"	3
D	DOOR	2XX80	2'-0" x 6'-8"	2
E	PATIO	6XX80 PATIO DOOR (SLIDING)	6'-0" x 6'-8"	1
G	DOOR	2XX80	2'-4" x 6'-8"	4
G	DOOR	2XX80	2'-6" x 6'-8"	3
N	POCKET	2XX80 POCKET	2'-4" x 6'-8"	1
N	POCKET	2XX80 POCKET	2'-6" x 6'-8"	1

SECOND LEVEL FLOOR PLAN

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



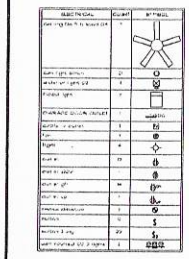
GENERAL NOTES:
1. ALL MAIN LEVEL FLOOR JOISTS ARE 11 7/8" TJI @ 16" O.C. UNLESS NOTED OTHERWISE
2. ALL ANGLED WALLS ARE 45° UNLESS NOTED OTHERWISE
3. ALL EXTERIOR WALLS ARE 2"x6" @ 16" O.C. UNLESS NOTED OTHERWISE

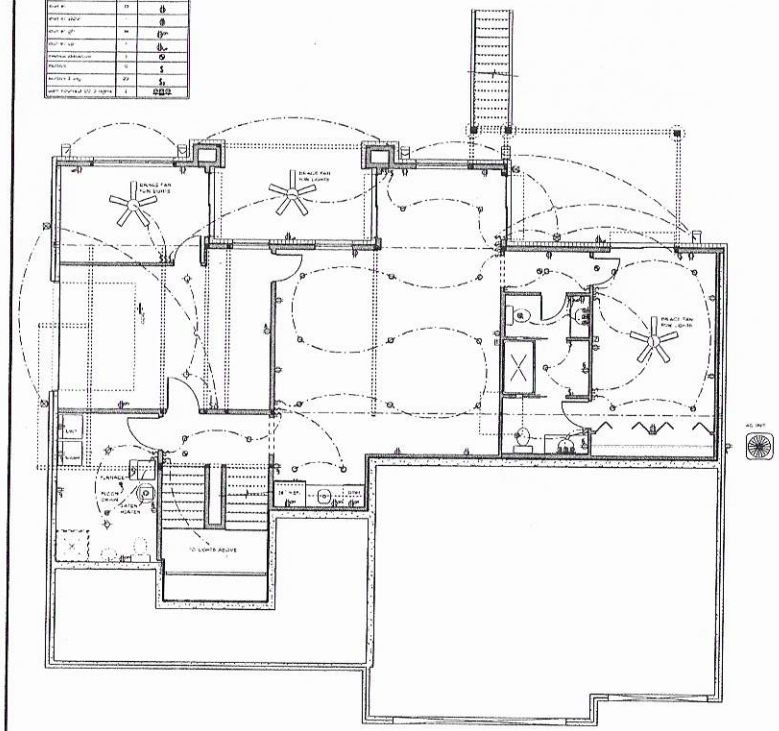
Acknowledgement Of
Plans Submittal ONLY!
Plans Submittal ONLY!
Date
Date 1-21-2020
Date
Date 1-17-2020

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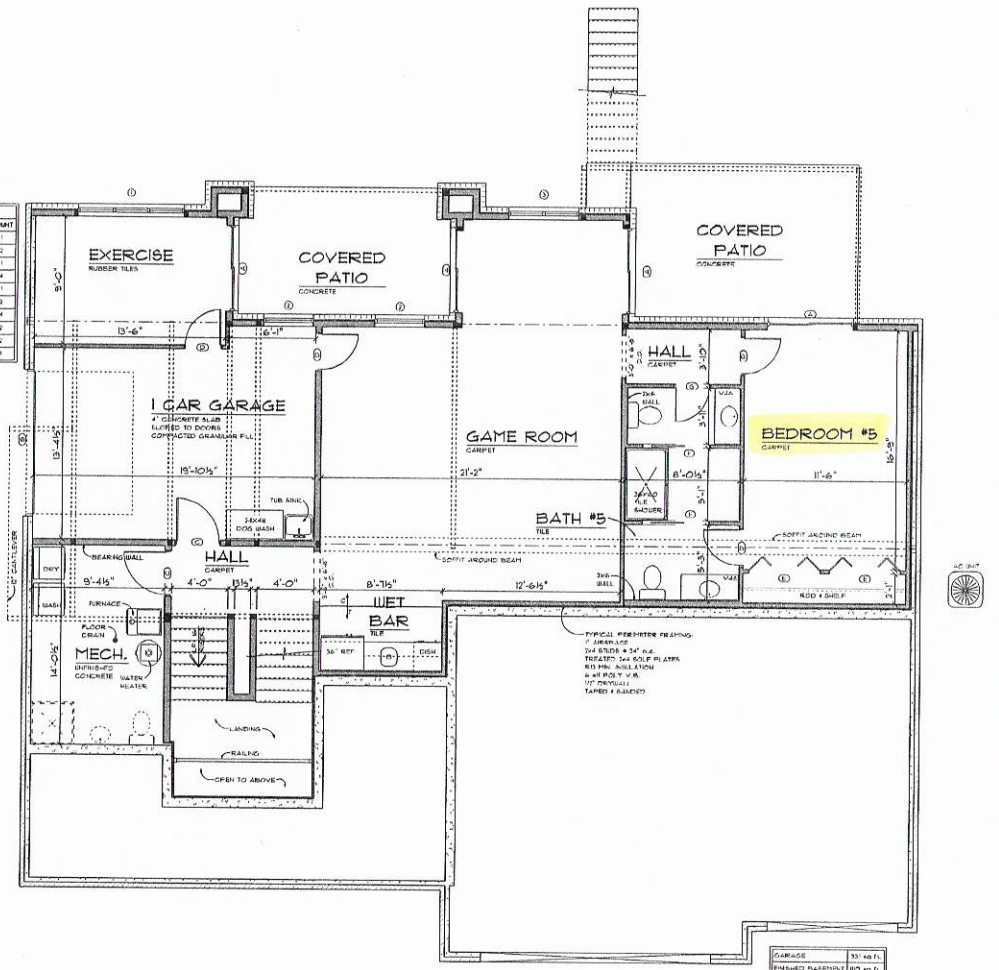
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OPENING SCHEDULE				
OPENING ID	TYPE	PRODUCT CODE	SIZE	COUNT
1	WINDOW	50X60 CASEMENT 3	5'-0" x 5'-0"	1
2	WINDOW	40X60 CASEMENT 1	3'-6" x 5'-0"	2
3	WINDOW	60X60 CASEMENT 2	5'-0" x 5'-0"	1
A	COMBINED UNIT	72X80 SLIDING GLASS 1 + 12in TRANS	6'-0" x 7'-8"	4
B	GARAGE	80X84 MODIFIED	10'-0" x 7'-0"	1
C	DOOR	36X80 1	3'-0" x 6'-8"	3
D	DOOR	30X80 1	2'-6" x 6'-8"	4
E	BIFOLD	60X80 BIFOLD COLONIAL 2	5'-0" x 6'-8"	2
F	POCKET	28X80 COLONIAL POCKET 1	2'-4" x 6'-8"	2
G	DOOR	28X80 1	2'-4" x 6'-8"	1





FINISHED BASEMENT ELECTRICAL PLAN



GARAGE	331 sq ft
FINISHED BASEMENT	810 sq ft
COV. PATIO	321 sq ft
MECH ROOM	146 sq ft

FINISHED BASEMENT PLAN

Acknowledgement C
Plans Submittal ONLY
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