

WAKE COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES WASTEWATER PERMIT

NO PERMIT(S) FOR CONSTRUCTION, LOCATION OR RELOCATION ACTIVITY SHALL BE ISSUED UNTIL AN AUTHORIZATION FOR WASTEWATER SYSTEM CONSTRUCTION AUTHORIZATION HAS BEEN ISSUED

PERMIT VOID IF NOT IN COMPLIANCE WITH ZONING REGULATIONS AND/OR IF SITE IS ALTERED OR INTENDED USE CHANGED

OPERATIONS PERMIT**PERMIT # WRP-088678-2022****APPLICATION DATE:** 09/12/2022**BLDG. PERMIT#:** RBPR-088681-2022**PIN:** 1812626315**RECORDED:** Yes**TOWNSHIP:** 14 - New Light**JURISDICTION:** Wake County**ZONING:** R-40W

APPLICANT: Brandywine Homes Inc.
Colleen Cunningham
732 Reserve Estates DR

BUSINESS PHONE:**HOME PHONE:****MOBILE PHONE:** (919) 740-1935**HD USE:** 101A CONVENTIONAL ONE-FAMILY HOUSE**EXISTING USE:****SITE ADDRESS:** 8012 WOODCROSS WAY**SUBDIVISION:** Prescott Manor**LOT:** 62**ACRES:** 0.69

DIRECTIONS: Capital Blvd North to 98 West/Durham, turn right onto Stony Hill Rd. Turn left onto Prescott Manor Way, take left onto Woodcross Way. Lot #62 is on the right, 8012 Woodcross Way.

Systems defined as either type III-b, III-g with a pump, IV, V or VI, in accordance with the North Carolina administrative code 15A NCAC 18a .1961, table V as adopted by reference in the "Regulations Governing Wastewater Treatment Dispersal Systems in Wake County", requires Wake County Environmental Services to conduct periodic inspections of the system type pursuant to 15A NCAC 18a. 1961 (j). Fees for these inspections will be charged as per the approved Fee Schedule. In addition, all systems are to be operated and maintained as specified in 15A NCAC 18A .1961. This permit is based in part on information provided by the homeowner and/or his/her representative in the application submitted for this permit. The Environmental Health Specialist is not responsible for false or misleading information contained in the application. The environmental health specialist is also not responsible for concealed conditions on the property or for statements in this report that may have resulted from false or misleading statements provided to him/her in the application. Neither Wake County nor the Environmental Health Specialist warrants that the septic tank system will continue to function satisfactorily in the future or that the water supply will remain potable.

OPERATION PERMIT VALID FOR: No Expiration**INSTALLED BY:** TRUELOVE, DAVID H - 1243 - IV**PROPRIETARY SYSTEM:** EZ1203HG - EZFlow EZ 1203H Geo **PRETREATMENT SYSTEM:****SYSTEM TYPE INSTALLED:** III G**OPERATION PERMIT: STATUS:** Issued**ISSUED BY:** Jeremy Davis**ISSUED DATE:** 03/07/2023

SEPTIC TANK: David Brantley & Sons - STB-323 - 1250 gallons **DATE OF MANUFACTURE:** 12/22/2022 **FILTER:** Polylok - PL-68

GREASE TRAP:**DATE OF MANUFACTURE:****FILTER:****DOSING PUMP TANK:****DATE OF MANUFACTURE:****FILTER:****CC1:** ETM1:**CC2:****ETM2:****RECIRCULATION TANK:****DATE OF MANUFACTURE:****CC1:** ETM1:**CC2:****ETM2:****SEPTIC TANK ELEVATION:** 2.66**GREASE TRAP ELEVATION:****DOSING PUMP TANK ELEVATION:**

RECIRCULATION TANK ELEVATION:

DISTRIBUTION DEVICE ELEVATION: 7

INSTALLED TRENCH DEPTH	INSTALLED AGGREGATE DEPTH	INSTALLED TRENCH LENGTH	INSTALLED TRENCH BOTTOM ELEVATION
18	12	85	7.25
18	12	85	8
18	12	85	8.33
18	12	85	8.58
18	12	85	9.33

ACTUAL PRESSURE HEAD:

ACTUAL FLOW RATE:

ACTUAL DOSE VOLUME: 0

SPECIFIC OPERATION REQUIREMENTS:

-System designed for 4 bedroom residence, having 480 gals/day.

-Site serviced by community well water.

-Future Repair is a type IIIB - 50% reduction system PPBPS – (Horizontal) system with a max trench depth of 18” and a 0.3 LTAR.

ISSUED BY:



DATE: 03/07/2023

BRANDYWINE

8012 WOODCROSS WAY

WAKE FOREST TOWNSHIP

AUGUST 23, 2022

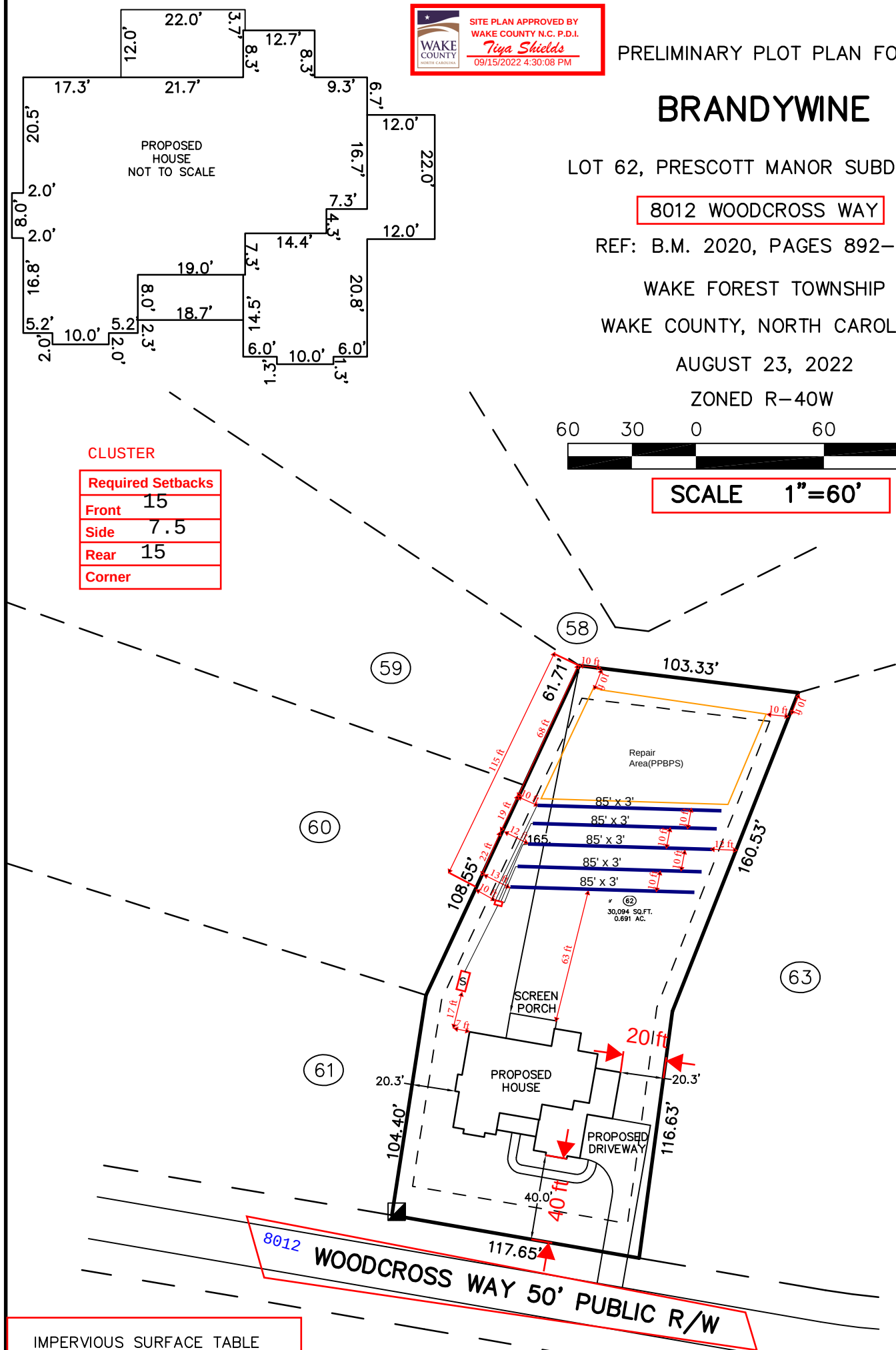
60 30 0 60 120

15 15 15 15

SCALE **1"=60'**

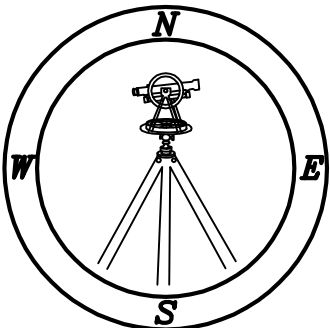
Required Setbacks

Front	15
Side	7.5
Rear	15
Corner	



HOUSE	3,232 S.F.
SCREEN PORCH	261 S.F.
DRIVEWAY	1,169 S.F.
SIDEWALKS	232 S.F.
MISC./UTILITIES	36 S.F.
TOTAL IMPERVIOUS AREA	4,930 S.F.
MAX IMPERVIOUS ALLOWED	9,108 S.F.

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OF ARCHITECTURAL DIMENSIONS.
THEY ARE TO BE VERIFIED BY
THE CONTRACTOR.



CAWTHORNE, MOSS
& PANCIERA, P.C.

333 S. White Street
Post Office Box 1253
Wake Forest, N.C. 27588
(919)556-3148

NOTES:

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INTENDED USE CHANGED***

CONSTRUCTION AUTHORIZATION PERMIT**PERMIT # WRP-088678-2022****APPLICATION DATE:** 09/12/2022**BLDG. PERMIT#:** RBPR-088681-2022**PIN:** 1812626315**RECORDED:****TOWNSHIP:** 14 - New Light**JURISDICTION:** Wake County**ZONING:** R-40W

APPLICANT: Brandywine Homes Inc.
732 Reserve Estates DR
Wake Forest, NC 27587

BUSINESS PHONE:
HOME PHONE:
MOBILE PHONE: (919) 740-1935

HD USE:**EXISTING USE:****SITE ADDRESS:** 8012 WOODCROSS WAY**SUBDIVISION:** Prescott Manor**LOT:** 62**ACRES:** 0.69

DIRECTIONS: Capital Blvd North to 98 West/Durham, turn right onto Stony Hill Rd. Turn left onto Prescott Manor Way, take left onto Woodcross Way. Lot #62 is on the right, 8012 Woodcross Way.

Contractors shall install system on contour. See attached SITE PLAN for wastewater system design and well location. No underground utilities, water lines or sprinklers systems may be located in the original system, or permit areas. A septic tank filter with two risers for access is required. The wastewater system shall not be covered or placed into use until inspected by the Wake County Department of Environmental Services and Operations Permit issued. An Accepted Status System may be used in place of conventional system, if it can be placed in the permitted/authorized trench footprint (except reduction in line length and/or number as allowed for in approval) and the installation in accordance with the accepted system approval, without unauthorized product alteration. If permit required use of an Accepted Status System, substitution with another accepted status system may be made, as long as no changes are necessary in the location of each nitrifications line (including any increase in line length), trench depth or effluent distribution method. If changes are necessary, prior approval by this office is required before system installation. Maximum depth of line is calculated using the downhill side of the trench and includes slope correction.

CONSTRUCTION AUTHORIZATION PERMIT VALID FOR: Five Years**CONSTRUCTION AUTHORIZATION PERMIT: CA STATUS:** Issued**BY:** John Bowers**DATE:** 09/19/2022**CA VALID FOR:** Five Years**DESIGN FLOW:** 480 GALLONS**BASEMENT:** No**BASEMENT FIXTURES:** No**SEPTIC TANK:** 1200 GALLONS**SEPTIC TANK FILTER:** Yes**DOSING PUMP TANK:****DOSING PUMP TANK FILTER:****GREASE TRAP:****GREASE TRAP FILTER:****RECIRCULATION PUMP TANK:****RECIRCULATION PUMP TANK FILTER:****PROPOSED SYSTEM:** 0.25 - 25% Reduction (Innovative or Accepted)**EXISTING SYSTEM:** No**DRAINFIELD SQ. FT:** 1,275**AGGREGATE DEPTH:** 12**MAX. TRENCH DEPTH:** 18 INCHES**DISTRIBUTION DEVICE:** GP - Gravity Parallel**TRENCH #:** 5**TRENCH LENGTH:** 85 FEET**TRENCH WIDTH:** 36 INCHES**TOTAL TRENCH LENGTH:** 425 FEET**CENTER SPACING:** 9 FEET**MINIMUM SOIL COVER:** 6 INCHES

PRETREATMENT:

SUBFIELDS #:

PUMP TDH:

APPROVAL #:

PUMP DESIGN FLOW:

ZONE VALVE: No

ASDMS REQUIRED: No

LINE OF CREDIT REQUIRED: No

OPERATOR REQUIRED: No

P.E. SIGN OFF/ASBUILT REQUIRED: No

TRIPARTY AGREEMENT REQUIRED: No

SPECIFIC CONSTRUCTION AUTHORIZATION REQUIREMENTS:

- System designed for 4 bedroom residence, having 480 gals/day.
- Site serviced by community well water.
- Future Repair is a type III B. - 50% reduction system PPBPS – (Horizontal) system with a max trench depth of 18" and a 0.3 LTAR.
- Any deviation from accepted design must be approved by Central Carolina Soil Consulting, PLLC & Wake County ES prior to system installation.
- Property lines required to be clearly marked prior to digging.
- Maintain all required setbacks.
- Please contact WCES – John Cole Bowers, 919-623-2628 - with any questions prior to or during install.

Issued By:



Date: 09/19/2022



PRELIMINARY PLOT PLAN FOR

BRANDYWINE

LOT 62, PRESCOTT MANOR SUBDIVISION

8012 WOODCROSS WAY

REF: B.M. 2020, PAGES 892-897

WAKE FOREST TOWNSHIP

WAKE COUNTY, NORTH CAROLINA

AUGUST 23, 2022

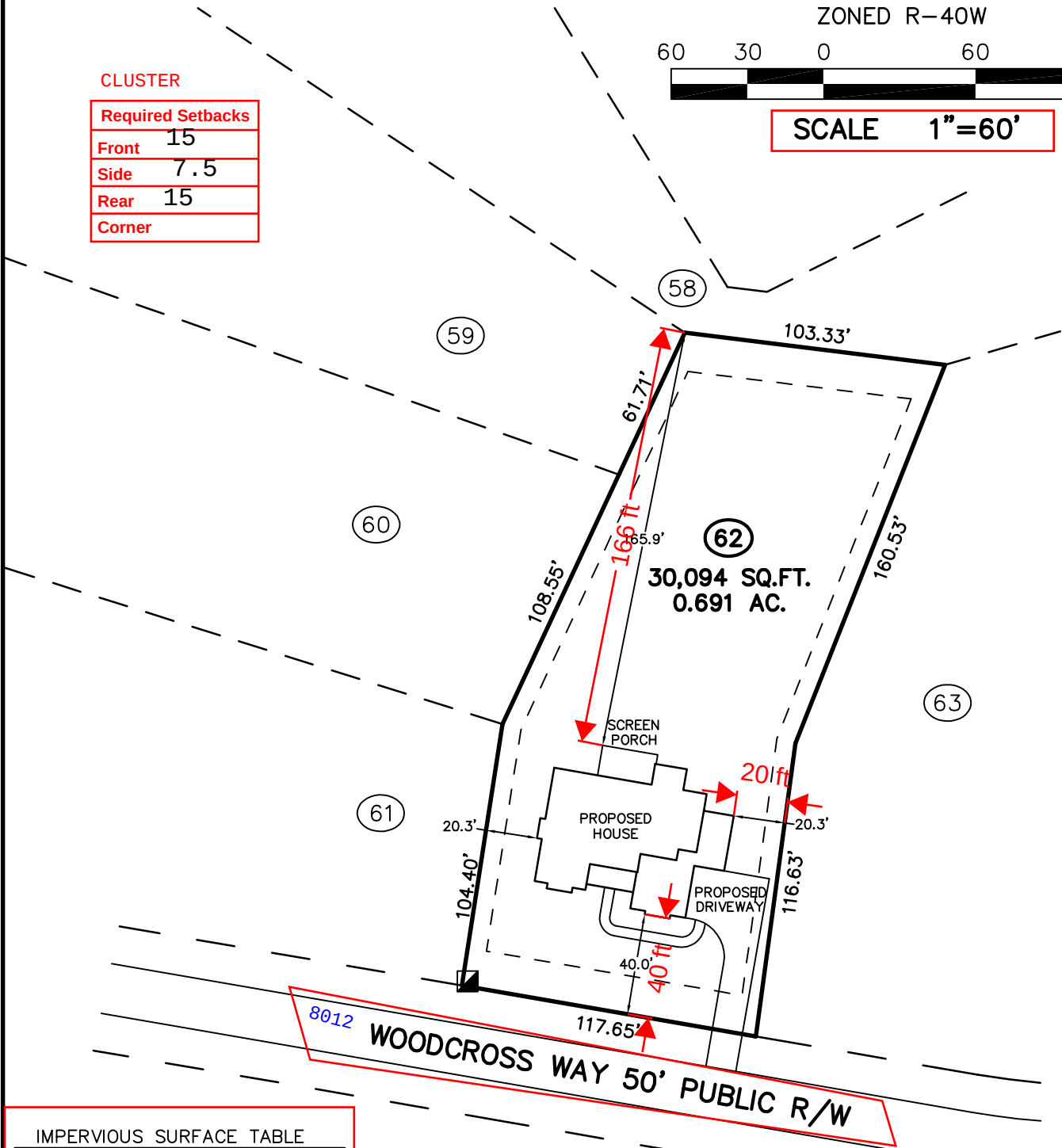
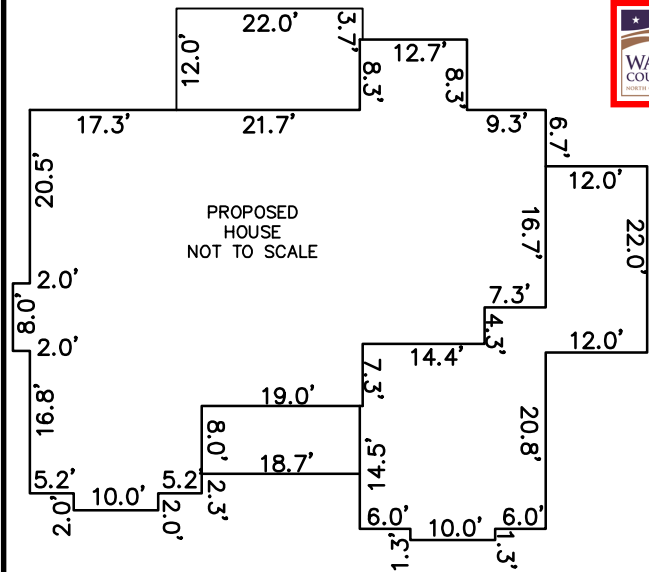
ZONED R-40W



SCALE 1"=60'

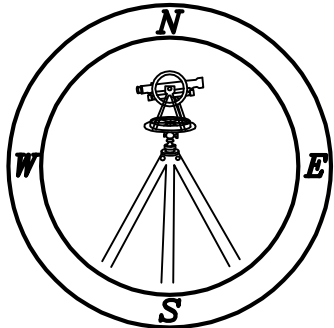
CLUSTER

Required Setbacks	
Front	15
Side	7.5
Rear	15
Corner	



IMPERVIOUS SURFACE TABLE	
HOUSE	3,232 S.F.
SCREEN PORCH	261 S.F.
DRIVEWAY	1,169 S.F.
SIDEWALKS	232 S.F.
MISC/UTILITIES	36 S.F.
TOTAL IMPERVIOUS AREA	4,930 S.F.
MAX IMPERVIOUS ALLOWED	9,108 S.F.

THIS SURVEYOR DOES NOT WARRANTY THE ACCURACY OF ARCHITECTURAL DIMENSIONS. THEY ARE TO BE VERIFIED BY THE CONTRACTOR.

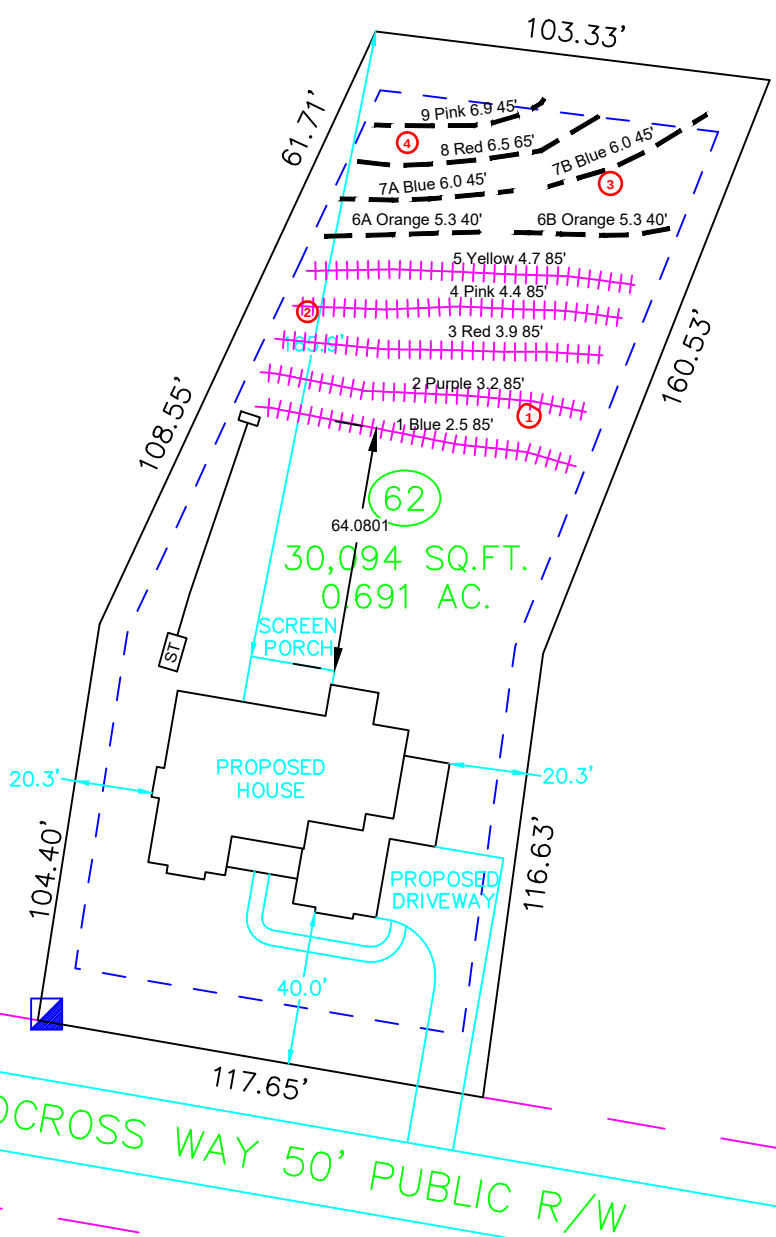


CAWTHORNE, MOSS & PANCIERA, P.C.

Professional Land Surveyors
C-1525

333 S. White Street
Post Office Box 1253
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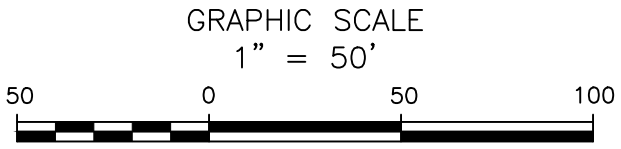
- *Keep tanks and drain lines 10' from property lines.
- *Not a survey.
- *Not a guarantee of a septic permit.
- *Keep supply lines >5' from property lines.
- *Some lines are flagged longer in the field than lengths indicate.
- *No grading septic area.

System: ++++++

Repair: - - - -

System: Gravity to D-Box
Lines: 1-5, (5x85'x3')
Accepted Status System
0.3 Soil LTAR
18" Trench Bottom

Repair: Pressure Manifold
Lines: 6A-9, (280')
T&J Panel 50% Reduction
0.3 Soil LTAR
18" Trench Bottom



Central Carolina Soil Consulting, PLLC
1900 South Main Street, Suite 110
Wake Forest, North Carolina 27587
Phone (919)569-6704 Fax (919)569-6703

4-Bedroom Septic Layout
Lot 62, Prescott Manor Subdivision
Wake County, North Carolina

Job# : 4317
Drawn By : LW
Date : 09/09/2022
Revision:

**Prescott Manor Lot 62
T&J Panel Block Repair, TAP CHART**

Bench Mark		is = 100.00 Location of BM				Elevation Head			9.30		
Pump tank elev.		8.2	91.80	Pump elev.	86.40	Manifold elev.			95.70	Spacing of	
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR	# of Panels	Panels (in)
6A	Orange	5.30	94.70	40	1/2in SCH 80	5.48	62.05	120	0.5171	9	6.6
6B	Orange	5.30	94.70	40	1/2in SCH 80	5.48	62.05	120	0.5171	9	6.6
7A	Blue	6.00	94.00	45	1/2in SCH 40	7.11	80.51	135	0.5964	10	7.3
7B	Blue	6.00	94.00	45	1/2in SCH 40	7.11	80.51	135	0.5964	10	7.3
8	Red	6.50	93.50	65	3/4in SCH 80	10.1	114.37	195	0.5865	15	5.6
9	Pink	6.90	93.10	45	1/2in SCH 40	7.11	80.51	135	0.5964	10	7.3

		total	feet =	280	gal/min =	42.39	Total Number of Panels:	63
				Des. Flow	480	LTAR =	0.3000	
				Pump Run=	11.32	LTAR + %5	0.3150	
				Tank Gal/IN	19.65	(ltar W/ INOV)	0.6000	
						(ltar W/ INOV + 5%)	0.6300	
% of Dose Vol.	0							
Dose Volume	226.80							
Dose Pump Time	5.35							
Drawdown in Inches	11.54							

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IMPROVEMENT PERMIT

PERMIT #: WRP-088678-2022

APPLICATION DATE: 09/12/2022

BLDG. PERMIT #: RBPR-088681-2022

PIN: 1812626315

RECORDED:

TOWNSHIP: 14 - New Light

JURISDICTION: Wake County

ZONING: R-40W

APPLICANT: Brandywine Homes Inc.
732 Reserve Estates DR

BUSINESS PHONE:

HOME PHONE:

MOBILE PHONE: (919) 740-1935

HD USE:

EXISTING USE:

SITE ADDRESS: 8012 WOODCROSS WAY

SUBDIVISION: Prescott Manor

LOT: 62

ACRES: 0.69

DIRECTIONS: Capital Blvd North to 98 West/Durham, turn right onto Stony Hill Rd. Turn left onto Prescott Manor Way, take left onto Woodcross Way. Lot #62 is on the right, 8012 Woodcross Way.

Permit is subject to revocation if the Site Plan or Plat changes or the intended use changes.

*Maximum depth of line is calculated using the downhill side of the trench and includes slope correction.

IP VALID FOR: Five Years AS PER GS 130A-335 (f)

DESIGNED BY: CCSC

SYSTEM LAYOUT: Private Sector

SITE CLASSIFICATION: Provisionally Suitable

IP STATUS: Issued

BY: John Bowers

DATE: 09/19/2022

NUMBER OF BEDROOMS: 4

OR TOTAL NUMBER OF OCCUPANTS: 8

PERMITTED DESIGN FLOW: 480 GPD

BASEMENT: No

BASEMENT PLUMBING: No

WASTEWATER STRENGTH: Domestic

SYSTEM TYPE: III G

LTAR: 0.300

EXISTING SYSTEM UTILIZED: No

PRETREATMENT STRENGTH REQUIRED: None

EASEMENT FOR WW SYSTEM ASSOCIATED WITH PARCEL: No

MAXIMUM TRENCH DEPTH: 18 INCHES

PUMP REQUIRED: No

SPECIFIC SYSTEM REQUIREMENTS: -System designed for 4 bedroom residence, having 480 gals/day.

-Site serviced by community well water.

-Future Repair is a type IIIB - 50% reduction system PPBPS – (Horizontal) system with a max trench depth of 18” and a 0.3 LTAR.

-No cutting, grading, alterations, or utilities in septic area.

-Maintain all required setbacks.

ISSUED BY:

A handwritten signature in black ink, appearing to read "John C. Basso". The signature is fluid and cursive, with a long horizontal stroke at the end.

DATE: 09/19/2022

BRANDYWINE

8012 WOODCROSS WAY

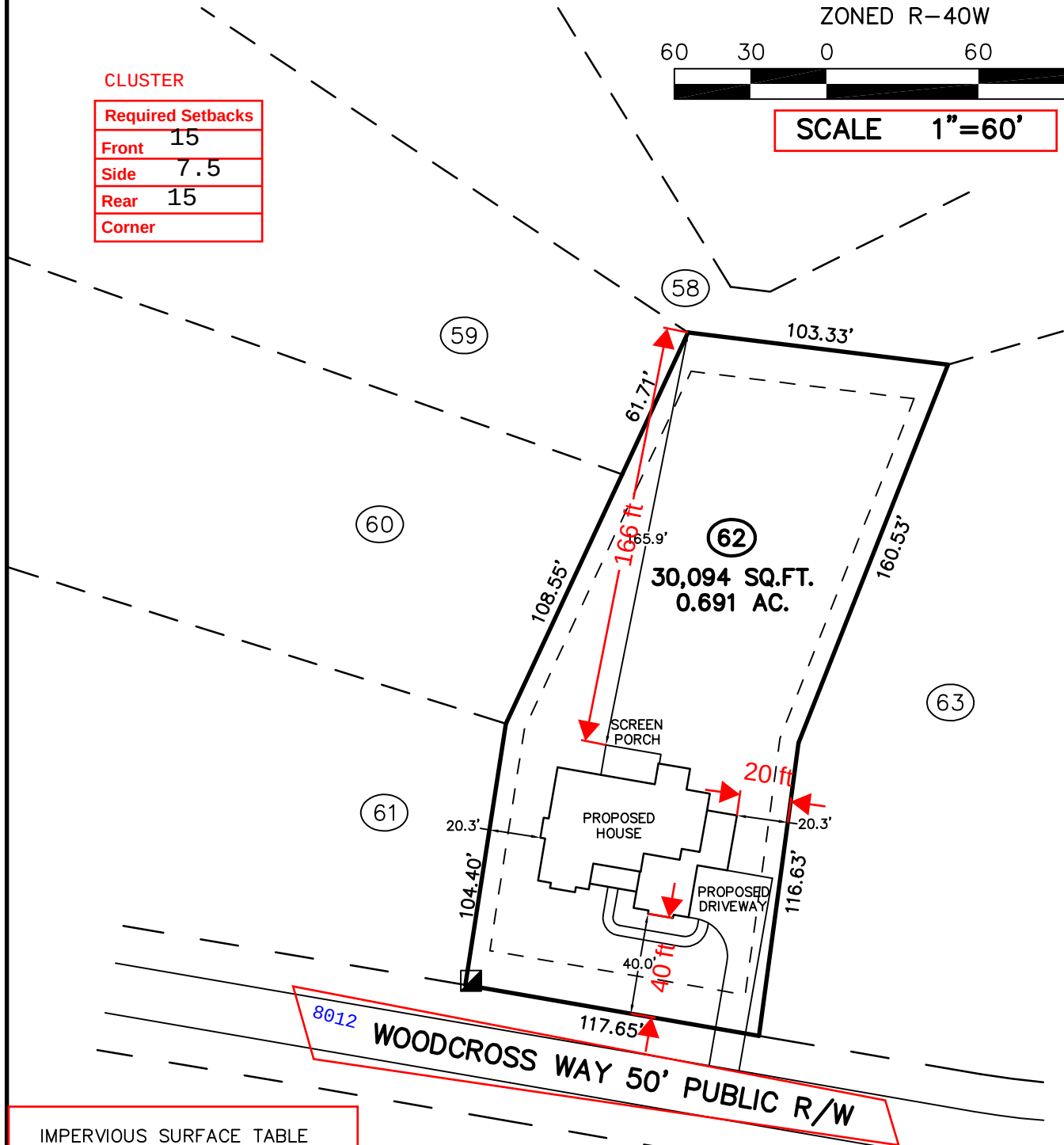
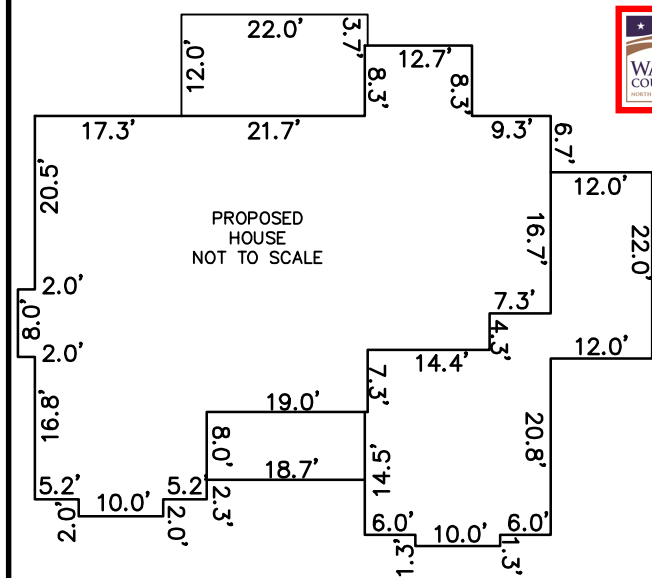
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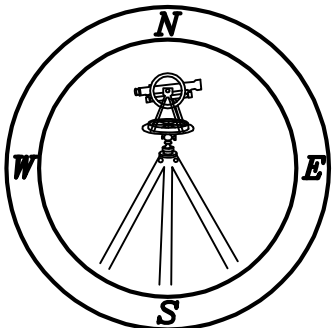
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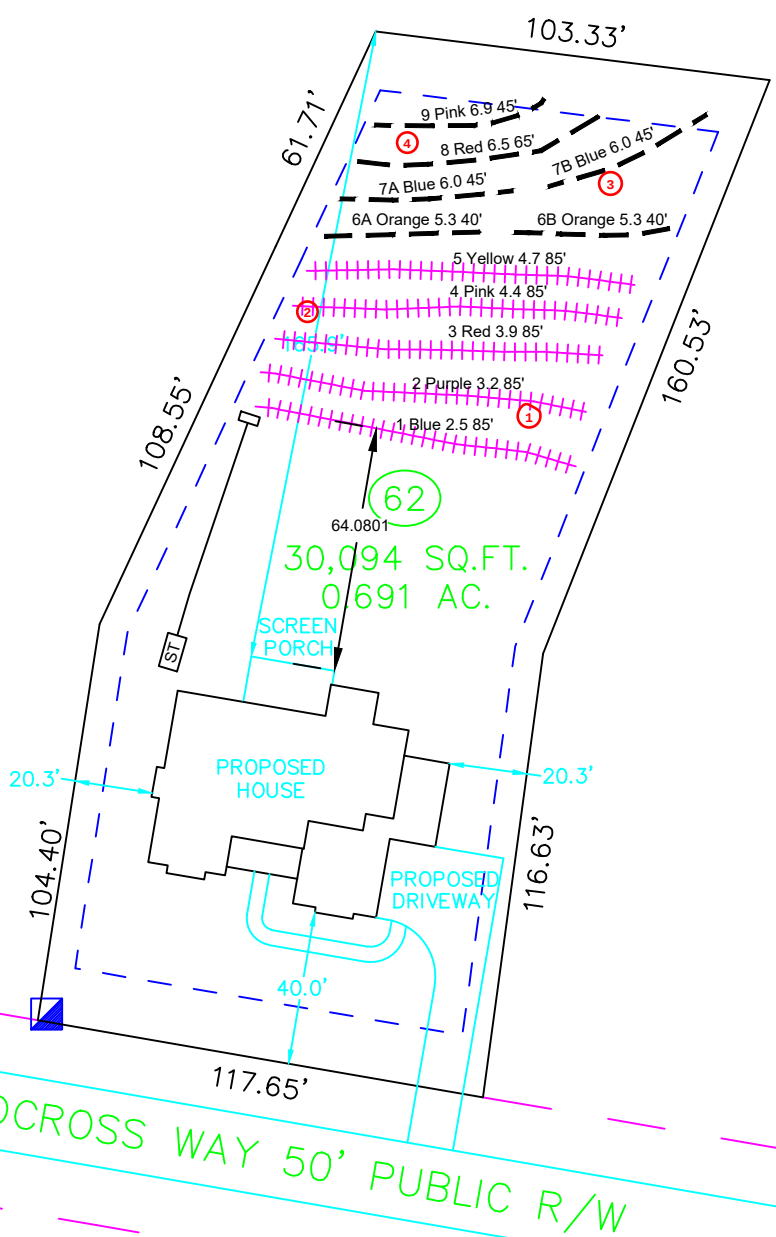
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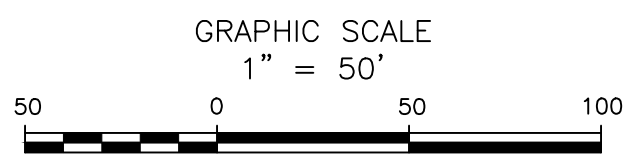


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						(ltar W/ INOV + 5%)	0.6300	
% of Dose Vol.	0							
Dose Volume	226.80							
Dose Pump Time	5.35							
Drawdown in Inches	11.54							