

Town of Laurel Park Planning Board Date of Meeting: January 14, 2024 Time of Meeting: 3:00 pm Location: Town Hall, 441 White Pine Drive, Laurel Park NC 28739

- 1. Call to Order
- 2. Approval of the Agenda
- 3. Approval of the Minutes
 - a. December 10, 2024
- 4. Old Business
 - a. Signage Text Amendment-Zoning Consistency Statement
 - b. Nonconformities Text Amendment- Zoning Consistency Statement
- 5. New Business
 - a. Oaths of Office
 - i. Edward Eaves
 - b. Fawn Turn Lane Lot 3 Site Plan Approval
- 6. Adjourn

Title of Item: Site Plan Review – Fawn Turn Lane Lot 3

Presenter: Kaitland Finkle - Interim Town Planner

Attachment(s): Yes/No

- Aerial Map
- Site Plan
- Landscape Plan
- Stormwater Plan
- Environmental Health
- Addressing Comments

Summary of Item:

Sherri and James Devine (owners) are proposing to build a new Single Family Dwelling located on Lot 3 of Fawn Turn Lane. The parcel is identified on the Henderson County Geographic Information System (GIS) as property identification number (PIN) 9558058940. This property is in the R-20 zoning district. The estimated acreage is .62 acre and the slope of the property is estimated at 29% which is considered a Very Steep Slope.

The Laurel Park Unified Development Ordinance (UDO) section 2.6.3: Dimensional Standards for the R-20 zone indicates that lots with very steep slopes (25% or more) require a minimum street setback of 40 feet. The side and rear setbacks are to be a minimum of 30 feet. All setbacks are being met.

The applicant has consulted with Gentry Geotechnical Engineering who conducted a predevelopment investigation. A preliminary global stability analysis indicated the natural slope to be stable. The proposed residence will be constructed across the natural slope. A site reconnaissance did not observe any signs of slope instability (i.e., scarps, tension cracks, bulges or recurved trees) within the proposed construction limits and for a distance of about 50 feet in all directions. Although they did not observe evidence of slope instability in the site area, care should be taken to minimize disturbance to the existing slope. Site grading within the planned residential area should be limited to excavation as required to achieve the planned finished grade elevations. Based on the observations and the subsurface conditions encountered at the test pit locations, the risk of instability of the natural slope appears to be reasonable with the recommended design measures, site preparation and testing during construction.

Gentry Geotechnical Engineering spoke to surface water management as follows. Control of surface water from driveway areas and roof drainage is very important for this site. Surface water that erodes slopes could cause instability or undermine footings. All structures should incorporate gutters with downspouts that are connected to a pipe system that will convey water to storm drains or offsite. Routine maintenance should include inspecting, cleaning and repairing the gutters, downspouts and other stormwater handling systems as needed to ensure they remain operable. Inspections and cleanings should be performed at least annually. The surface water should be directed well away from the structure and maintained in a distributed flow onto the natural slope. Surface water should not be directed below the ground surface.

TTK Design and Landscape Architecture has prepared a Stormwater Plan. The post development runoff is a 490% increase and a difference in development volume of 2,584 gallons. For this reason a river rock swale with infiltration, two cisterns, and a river rock detention will provide a total of 2,660 gallons of stormwater storage.

TTK Design and Landscape Architecture has also prepared a Landscape Plan. A Semiopaque Type B Perimeter Buffer is proposed to the West, North, and East boundaries. To the North along Laurel Park Highway, they are proposing to save/preserve the existing tree canopy and vegetation, provided trees/shrubs are to be placed in disturbed areas only. To the East, abutting 36 Fawn Turn Lane, the property is constrained by the location of the septic located due to the unusual shape of the lot. They are therefore requesting credit from the northeast corner of the property. To the West, multiple canopy trees, understory trees, and shrubs in the northwestern side of the lot provide coverage with roots that do not enable adequate plant growth. Additionally, necessary drainage swales create an area that minimizes the feasibility of planting. An additional Streetscape Buffer and Site Landscaping Plantings are being proposed along Fawn Turn Lane.

Town Engineer Will Buie provided comments for consideration, all of which have been addressed.

Suggested Action: Staff requests Planning Board review the attachments and review criteria of UDO 6.3.16.

Suggested Motion: Motion to approve, approve with conditions, or deny the site plan.

GoMaps



December 19, 2024



THIS IS NOT A SURVEY.

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0	0.01	0.02				0.04 km

LOCATION MAP

FAWN TURN LN OWNER: DEVINE, JAMES A; DEVINE, SHERRI L REID: 9940670 PIN: 9558058940 ACREAGE: .62 ZONING: R-30 29% SLOPE - STEEP SLOPE TREE CANOPY - 12598 SQ. FT. =46.6%

LOT AREA: 27007.2 SQ. FT. IMPERVIOUS COVER: 16% STREET SETBACK: PRINCIPAL STRUCTURE - 61' EAST SIDE SETBACK: PRINCIPAL STRUCTURE - 57' WEST SIDE SETBACK: PRINCIPAL STRUCTURE - 41' REAR SETBACK: PRINCIPAL STRUCTURE - 48.5'

PERIMETER BUFFER TYPE B: SEMI OPAQUE CANOPY TREES - 3 PER 100 LF, SPACED 33' OC UNDERSTORY TREES - 6 PER 100 LF, SPACED 16' OC, MIN 75% EVERGREEN SHRUBS - 25 PER 100 LF, SPACED 3' OC EVERGREEN SHRUB PERCENTAGE - 75%

NORTH BUFFER: 9 CANOPY TREES, 18 UNDERSTORY TREES, & 75 SHRUBS REQUIRED EIP 5 CANOPY TREES PROVIDED 12 UNDERSTORY EVERGREEN BUFFER TREES 3/4" CT 27 SHRUBS PROVIDED.

N 65° 24'04" E

CRYPTOMERIA RADIC

SILT FENCE -

WEST BUFFER 3 CANOPY TREES, 6 UNDERSTORY TREES, & 25 SHRUBS PER 100 LF

SATYR HILL HOLLY

20 SHRUBS PER 100 LF 5 CANOPY TREES, 11 UNDERSTORY TREES, & 48 SHRUBS REQUIRED 5 CANOPY TREES PROVIDED 7 UNDERSTORY PROVIDED 18 SHRUBS PROVIDED 18 SHRUBS PROVIDED REQUESTED CREDIT: 2 UNDERSTORY TREES, 24 SHRUBS DUE TO 8 CANOPY TREES, MULTIPLE UNDERSTORY TREES AND SHRUBS IN THE NORTHWESTERN SIDE IN THIS AREA PROVIDE COVERAGE WITH ROOTS THAT DO NOT ENABLE A DEQUATED T 44 GROWTH. NECESSARY DRAINAGE SWALE CREATES AN AREA THAT MINIMIZED TO ARE PROPOSED IN THIS AREA. RABDON

DB 960/383

73.21

2" CAL OCTOBER GLOI

BETULA 'HERITAGE' S

4" PIPE BEHIND RETENTION WALL

SATYR HILL HOLLY 5

JUNIPER GREY OV

REQUESTED CREDIT: 3 CANOPY TREES, 5 UNDERSTORY TREES, & 38 SHRUBS EXISTING VEGETATION ALONG THE NORTH SLOPE TO BE SAVED AND PRESERVED. PROVIDED TREE/SEIPERARE TO BE PLACED IN DISTURBED AREAS ONLY WHERE THEY WHE THRIVE. WOULD LIKE TO MINIMIZE DISTURBANCE ON THE SLOPE.

EAST BUFFER: 6 CANOPY TREES, 12 UNDERSTORY TREES, & 50 SHRUBS REQUIRED

4CANOPY TREES PROVIDED. 5 UNDERSTORY TREES PROVIDED.

36 SHRUBS/EVERGREEN TREES.

REQUESTED CREDIT: 2 CANOPY TREES, 6 UNDERSTORY TREES, AND 11 SHRUBS.

UPPER NORTHEAST CORNER OF THE PROPERTY. CONSTRAINED BY SEPTIC LOCATION WHICH IS PREDICATED BY THE UNUSUAL SHAPE OF THE LOT. EXISTING VEGETATION IN THE MOST UPPER NE CORNER TO BE UNDISTURBED.

WEST BUFFER: 5 CANOPY TREES, 11 UNDERSTORY TREES, & 48 SHRUBS REQUIRED 5 CANOPY TREES PROVIDED

8 UNDERSTORY PROVIDED

18 SHRUBS PROVIDED

REQUESTED CREDIT: 2 UNDERSTORY TREES, 24 SHRUBS DUE TO 8 CANOPY TREES, MULTIPLE UNDERSTORY TREES AND SHRUBS IN THE NORTHWESTERN SIDE IN THIS AREA PROVIDE COVERAGE WITH ROOTS THAT DO NOT ENABLE ADEQUATE PLANT GROWTH. NECESSARY

DRAINAGE SWALE CREATES AN AREA THAT MINIMIZES PLANT AREA. CAREX AND FERN GROUNDCOVER ARE PROPOSED IN THIS AREA.

STREETSCAPE BUFFER:

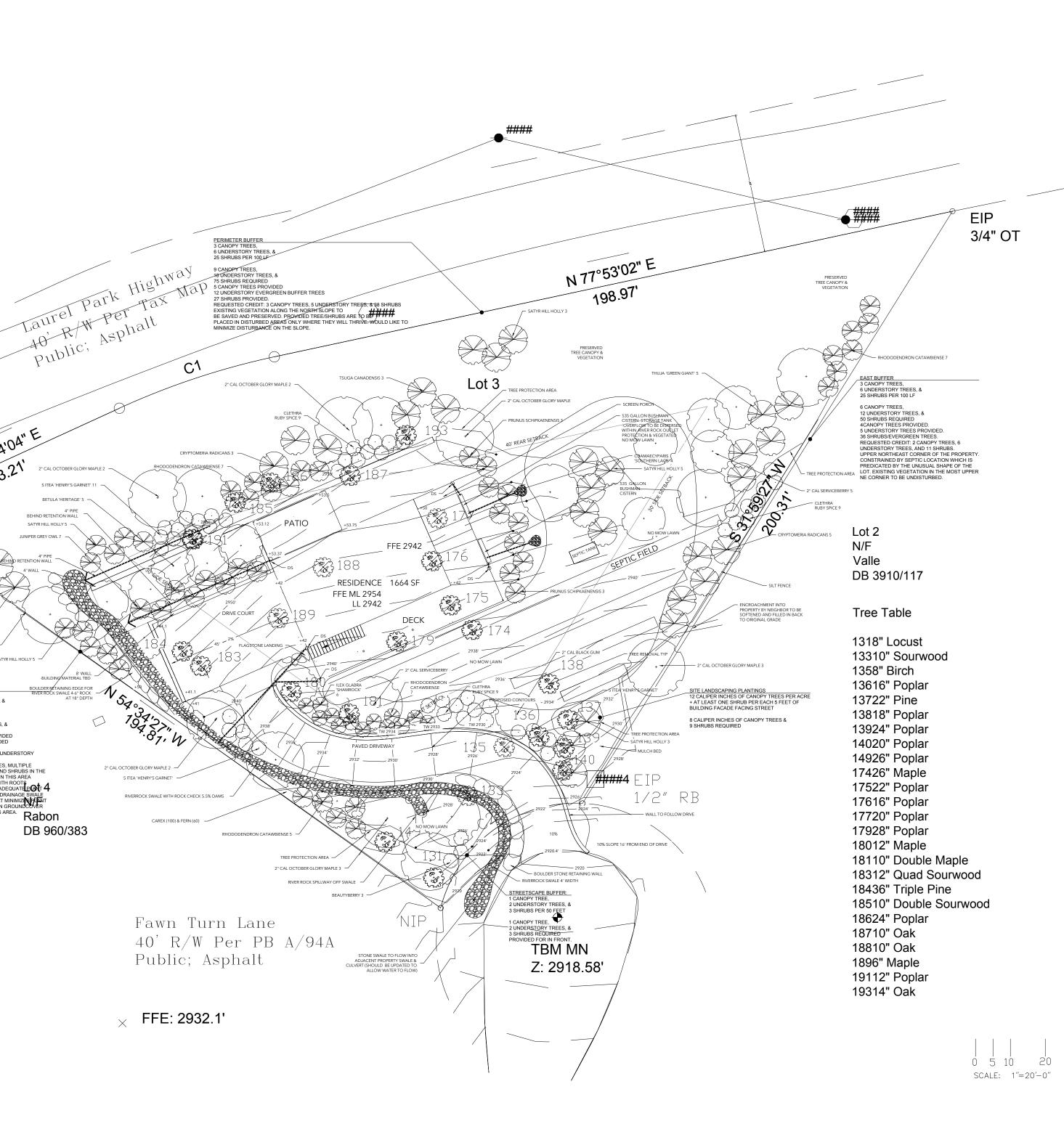
1 CANOPY TREE, 2 UNDERSTORY TREES, & 3 SHRUBS PER 50 FEET

1 CANOPY TREE, 2 UNDERSTORY TREES, & 3 SHRUBS REQUIRED & PROVIDED.

SITE LANDSCAPING PLANTINGS:

12 CALIPER INCHES OF CANOPY TREES PER ACRE + AT LEAST ONE SHRUB PER EACH 5 FEET OF BUILDING FACADE FACING STREET

8 CALIPER INCHES OF CANOPY TREES AND 9 SHRUBS REQUIRED & PROVIDED.





TTK DESIGN LANDSCAPE ARCHITECTURE

113 Yardley Court Hendersonville, NC 28739

802.338.2906 ttkdesignstudio.com

DEVINE RESIDENCE

3 Fawn Turn Ln Hendersonville, NC 28739 HENDERSON COUNTY

OTHER CONSULTANTS:

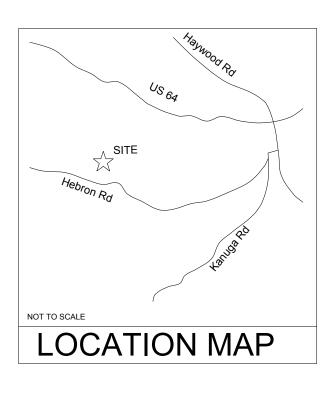
SITE PLAN Scale: 1"=20'

JANUARY 7, 2025

L 1

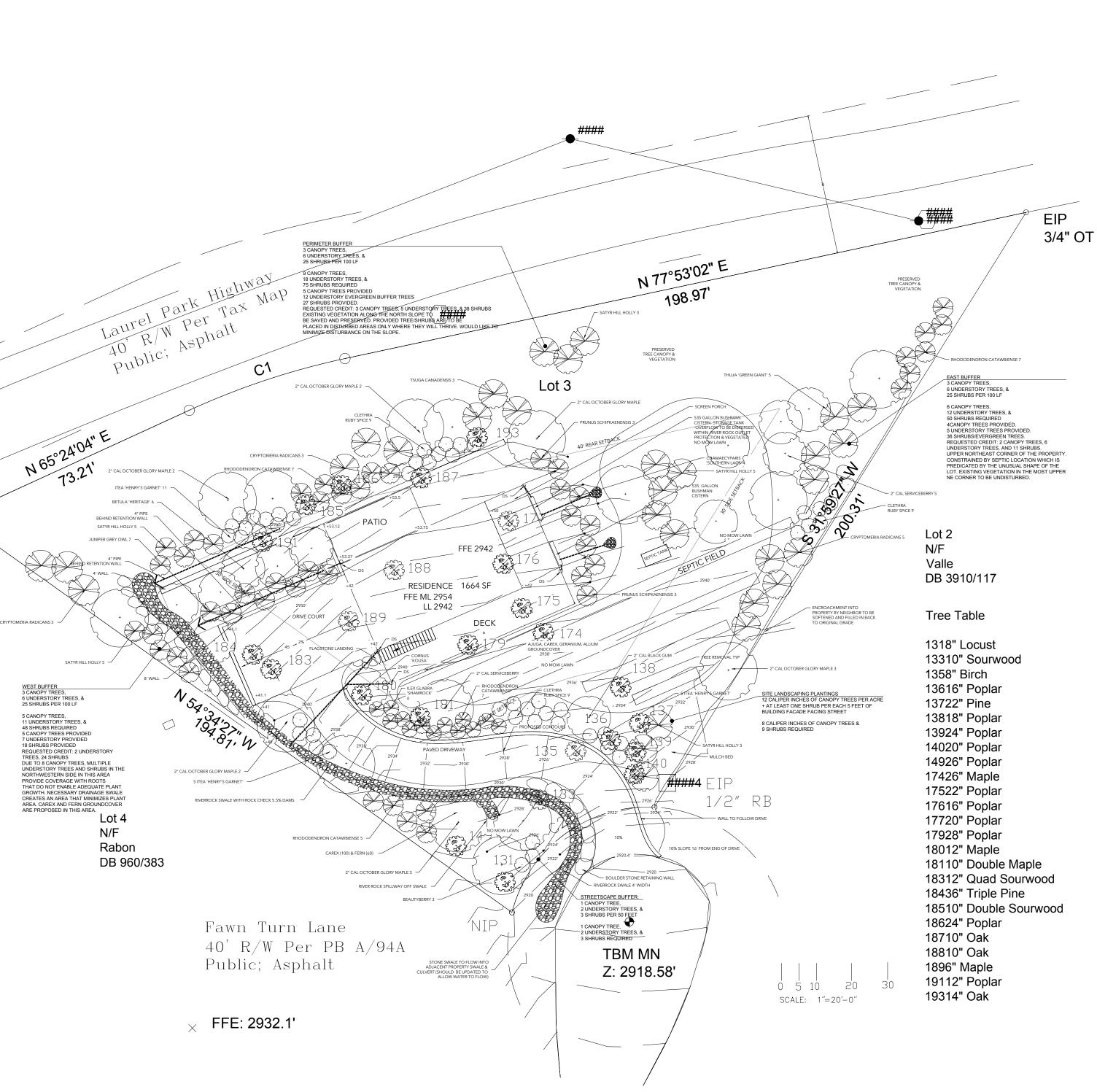
The above Drawings, specifications, ideas, designs and arrangements represented thereby are and shall remain in the property of the landscape architect. No part therof shall be copied, disclosed to others or used in connection with any work or project other than the specific project for which they have been prepared or reviewed without the written consent of the architect.

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					Laur 40° Pu
					40
DEVINE					DI
RESIDENCE					
PLANT LIST					
PLANTS					
Abbreviation	Qty	Botanical Name	Common Name	Size	
TREES					
ARO	13	Acer rubrum 'October Glory'	October Glory Red Maple	15 gallon	· · · · · ·
вн	6	Betula 'Heritage'	Heritage River Birch	2" CAL	-074 ⁰
	4.4	Cryptomeria radicans	Japanese Cedar	15 gallon	EIP N 65 2 01' 2 GAL OFTIC
CR	11			10 guilon	
СК	1	Cornus Kousa	Kousa Dogwood — WHITE	15 gallon	EIP 3/4" CT N 65° 24'04" E 73.21' 2' CAL OCTO 173.21' 116A 'HEN
ISH	16	llex 'Satyr Hill'	Satyr Hill Holly	15 gallon	
AL	6	Amelanchier laevis	Serviceberry	2" CAL	BETULA 'HE
NS	1	Nyssa sylvatica	Black Gum	15 gallon	BEHIND RETENTION
113	-				SATYR HILL HOLLY
ТС	3	Tsuga canadensis	Hemlock	20 gallon	JUNIPER GREY OWL 7
TGG	5	Thuja 'Green Giant'	Green Giant Arborvitae	25 gallon	
		Chamaecyparis 'Southern Lace'	Souther Lace Hinoki Cypress	15 gallon	4" PIPE
CSL TOTAL	4 66			15 guilon	
IOTAL	00				EIP (Tie)
SHRUBS					3/4" CT
СА	3	Calicarpa americana	Beautyberry	3 gallon	
CRS	18	Clethra 'Ruby Spice'	Ruby Spice Spicebush	3 gallon	CRYPTOMERIA RADICANS 3
IGS	6	llex glabra 'Shamrock'	Shamrock Holly	3 gallon	
		Itea 'Henry's Garnet'	Henry's Garnet Sweetspire	3 gallon	
IHG	21	Juniperus 'Grey Owl'	Grey Owl Juniper	3 gallon 3 gallon	\neg
JGO	5				SATYR HILL HOLLY 5
PS	6	Prunus schipkaenensis	Skip Laurel	10 gallon	
RC	26	Rhododendron catawbiense	Catawba Rhododendron	3 gallon	WEST BUFFER
					3 CANOPY TREES, 6 UNDERSTORY TREES, &
TOTAL	85				25 SHRUBS PER 100 LF
					5 CANOPY TREES, 11 UNDERSTORY TREES, &
PERENNIALS					48 SHRUBS REQUIRED
ΔFF	20	Ajuga 'Fierce Falcon'	Fierce Falcon Bugleweed	gallon	5 CANOPY I KEES PROVIDED 7 UNDERSTORY PROVIDED
AFF AM	20	Allium 'Millenium'	Millenium Allium	gallon	18 SHRUBS PROVIDED REQUESTED CREDIT: 2 UNDERSTORY
CE	20	Carex 'Everillo'	Everillo Sedge	1 gallon	TREES, 24 SHRUBS DUE TO 8 CANOPY TREES, MULTIPLE
CID	80	Carex 'Ice Dance'	Ice Dance Sedge	1 gallon	UNDERSTORY TREES AND SHRUBS IN THE NORTHWESTERN SIDE IN THIS AREA
DE	60	Dryopteris erythrium	Autumn Fern	1 gallon	PROVIDE COVERAGE WITH ROOTS
GM	20	Geranium macchorizzum	Bigroot Geranium	1 gallon	THAT DO NOT ENABLE ADEQUATE PLANT GROWTH. NECESSARY DRAINAGE SWALE CREATES AN AREA THAT MINIMIZES PLANT
					AREA. CAREX AND FERN GROUNDCOVER ARE PROPOSED IN THIS AREA.

DB 960/383





TTK DESIGN LANDSCAPE ARCHITECTURE

113 Yardley Court Hendersonville, NC 28739

802.338.2906 ttkdesignstudio.com

DEVINE RESIDENCE

3 Fawn Turn Ln Hendersonville, NC 28739 HENDERSON COUNTY

OTHER CONSULTANTS:

LANDSCAPE PLAN Scale: 1"=20'

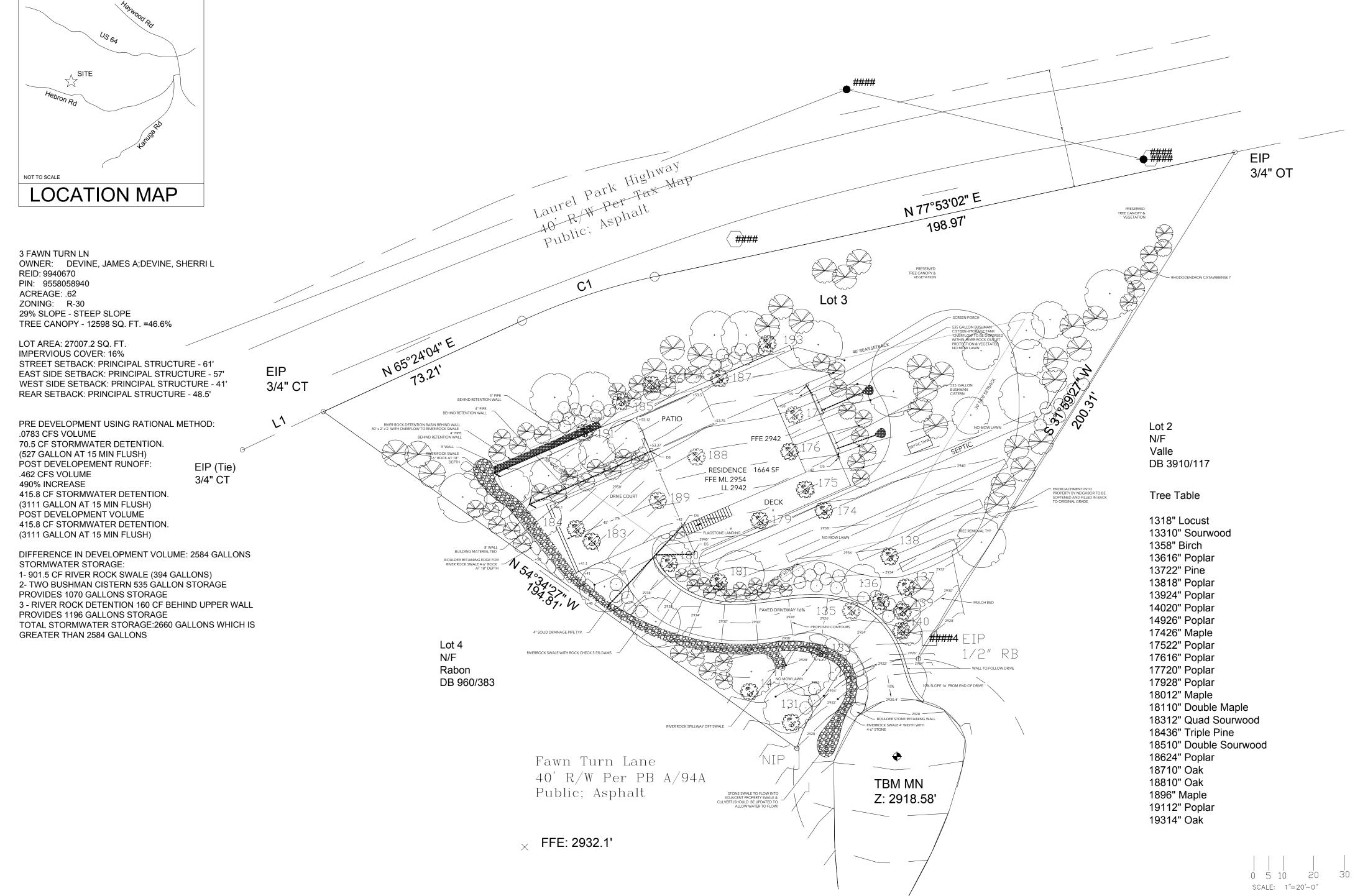
JANUARY 7, 2025

L 2

The above Drawings, specifications, ideas, designs and arrangements represented thereby are and shall remain in the property of the landscape architect. No part therof shall be copied, disclosed to others or used in connection with any work or project other than the specific project for which they have been prepared or reviewed without the written consent of the architect.

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TTK DESIGN LANDSCAPE ARCHITECTURE

113 Yardley Court Hendersonville, NC 28739 802.338.2906 ttkdesignstudio.com

DEVINE RESIDENCE

3 Fawn Turn Ln Hendersonville, NC 28739 HENDERSON COUNTY

OTHER CONSULTANTS:

STORMWATER PLAN Scale: 1"=20'

JANUARY 7, 2025

L 3

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Henderson County Department of Public Health

Environmental Health

1200 Spartanburg Highway, Suite 100

Hendersonville, NC 28792

Phone: (828) 694-6060 Fax: (828) 697-4523 www.hendersoncountync.gov/health

File/Permit Number: OSS-2024-0282

IMPROVEMENT P	RMIT			
County: Henderson	240			
PIN/Lot Identifier: 9558058940	14 	11 A 122 March 131		
	icant: Todd King			
Property Location: 0 Fawn Turn Lane	bet in Land and American			
Subdivision (if applicable) Wildwood Heights	t #: <u>3</u> Block	:: Section:		
New 🔳 Expansion 🗌 System Reloc	ation	Change of Use		
Facility Type: Single Family dwelling	and the second	a construction from the state of the activity of the state of the stat		
Number of bedrooms: Number of Occupants: Other:				
	Industrial Proces			
Proposed Design Daily Flow: 480 GPD Proposed LTAR (Initial):	0.45 Proposed I	_TAR (Repair):		
Proposed Wastewater System Type*: IIIG 25% reduction (In	tial) Pump Required:] Yes 🗹 No 🔲 May be required		
Proposed Wastewater System Type*: exempt (R	pair) Pump Required:	Yes 🗌 No 🔲 May be required		
*Please include system classification for proposed wastewater system types in acco	rdance with Rule .1301 Ta	ble XXXII		
Effluent Standard: 🔳 DSE 🔄 HSE 🔄 NSF/ANSI 40 🔄 TS-I 🔄 TS-II [] RCW			
Saprolite System (Initial): 🗌 Yes 🔳 No 🛛 Saprolite System (Repair): 🗌 Yes	No No			
Fill System (Initial): Yes IN No If yes, specify: New Existing (when ac	ding more than 6 inches o	f fill to system area provide a fill plan)		
Fill System (Repair): Yes INo If yes, specify: New Existing (when a	lding more than 6 inches	of fill to system area provide a fill plan)		
Usable Depth to LC (Initial) ^x : 46 Usable Depth to LC (Re				
Max. Trench Depth (Initial) [‡] : 25 Max. Trench Depth (Repair) [‡] : [#] Measured on the downhill side of the trench				
Artificial Drainage Required: 🔳 Yes 🗌 No If yes, please specify details: divert runoff away from septic area				
Type of Water Supply: Private well Public well Shared well	inicipal Supply 🗌 Spri	ng 🗌 Other:		
Drainfield location meets requirements of Rule .0508: Yes 🔳 No 🗌 Drainfield	location meets requirem	ients of Rule .0601: Yes 🔳 🛛 No 🗌		
Permit valid for: 🔳 Five years [site plan submitted pursuant to GS 130A-334(13a)]	No expiration [plat su	ubmitted pursuant to GS 130A-334(7a)]		
Permit conditions: see site plan, driveway shall not have any vertical cuts greater that from the proposed drainfield.	n 2'. If a cut is made i	t shall be greater than 15'		
Authorized Agent's Printed Name: Bryson Jones		Expiration Date: 11/5-/29		
Authorized Agent's Signature:		Date: 11/5/24		
*See attached site				

The issuance of this permit in no way guarantees the issuance of other permits. The permit holder is responsible for checking with appropriate governing bodies in meeting their requirements. *This permit is subject to revocation if the site plan, plat, or the intended use changes.* The Improvement Permit shall not be affected by a change in ownership of the site. This permit is subject to compliance with the provisions of 15A NCAC 18E and to the conditions of this permit.

NCDHHS/DPH/EHS/OSWP

Revised June 2024 Form IP-24.1



Henderson County Department of Public Health

1200 Spartanburg Highway, Suite 100

www.hendersoncountync.gov/health

Hendersonville, NC 28792

Phone: (828) 694-6060 Fax: (828) 697-4523

Environmental Health

File/Permit Number: OSS-2024-0282

CONSTRUCTION AUTHORIZATION					
County: Henderson PIN/Lot Identifier: 9558058940					
Owner: James & Sherri Devine Applicant: Todd King					
Property Location: 0 Fawn Turn Lane					
Facility Type: single family dwelling					
Number of bedrooms: <u>4</u> Number of Occupants: <u>8 max</u> Other:					
New Expansion Repair System Relocation Change of Use					
Basement? Ves No. Basement Fixtures? Ves No.					
Crawl Space? Yes INO Slab Foundation? Yes INO					
Type of Wastewater System* IIIG 25% reduction (Initial) (Repair)					
*Please include system classification for proposed wastewater system types in accordance with Rule .1301 Table XXXII					
Design Daily Flow: <u>480</u> GPD Wastewater Strength: Domestic High Strength Industrial Process Wastewater					
Rule .0403(e) Engineering Design Utilizing Low-flow Fixtures and Low-flow Technologies (S.L. 2013-413 and 2014-120)? Yes IN No - (if yes, please provide engineering documentation)					
Effluent Standard: 🔳 DSE 🔄 HSE 🔄 NSF/ANSI 40 🔄 TS-I 🔄 TS-II 🔄 RCW					
Type of Water Supply: Private well Public well Shared well Municipal Supply Spring Other:					
Installation Requirements/Conditions					
Septic Tank Size: <u>1000</u> gallons Total Trench/Bed Length: <u>267</u> feet Trench/Bed Spacing: <u>9</u> feet on center					
Trench/Bed Width: <u>36</u> inches LTAR: <u>0.45</u> gpd/ft ² Usable Depth to LC (Initial) ^x : <u>46</u> " * <i>Limiting condition</i>					
Soil Cover: 6 min inches Slope Corrected Maximum Trench/Bed Depth [‡] : 25" inches * Measured on the downhill side of the trench					
Pump Tank Size (if applicable): n/agallons Requires more than one pump? Yes No					
Pump Requirements: ft. TDH vs GPM Grease Trap Size (if applicable): gallons					
Distribution Method: 🔳 Serial 🔲 D-Box or Parallel 🔲 Pressure Manifold(s) 🗌 LPP 🛄 Other:					
Artificial Drainage Required: Yes 🔳 No 🔲 If yes, please specify details: divert runoff away from septic area					
Legal Agreements (If the answer is "Yes" to any type of legal agreements, please attach a copy of the agreement.)					
Multi-party Agreement Required [Rule .0204(g)]: 🔲 Yes 🔳 No					
Easement, Right-of-Way, or Encroachment Agreement Required [Rule .0204(d)]: 🔲 Yes 🔳 No					
Declaration of Restrictive Covenants: 🔲 Yes 🔳 No Pre-Construction Conference Required: Yes 📃 No 🖌					
Management Entity Required: 🔲 Yes 🔳 No Minimum O&M Requirements:					
Conditions: see site plan.					

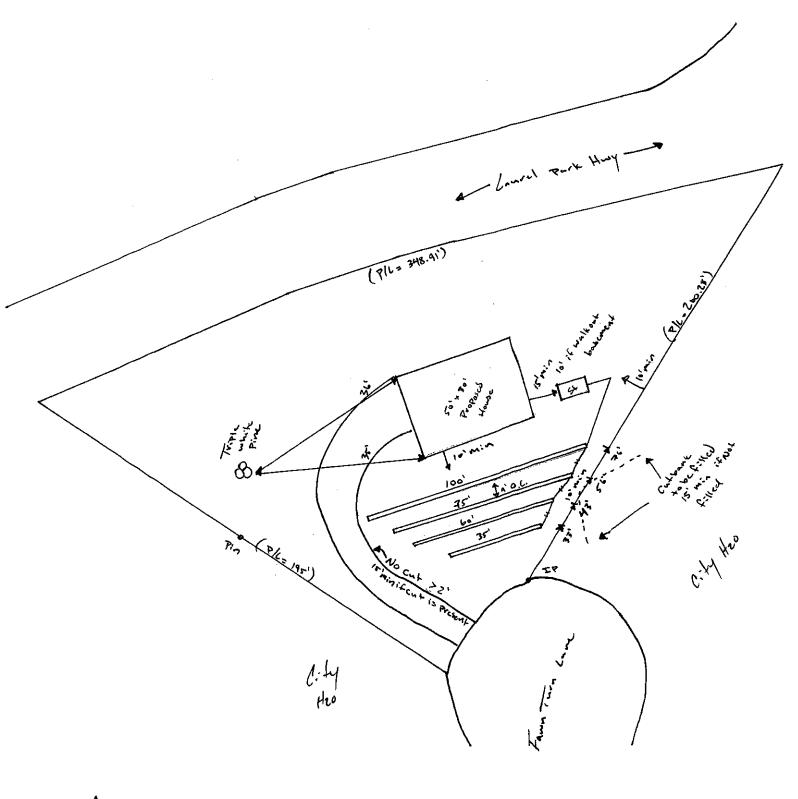
The requirements of 15A NCAC 18E are incorporated by reference into this permit and shall be met. Systems shall be installed in accordance with the attached site sketch. *This Construction Authorization is subject to revocation if the site plan, plat, or the intended use changes.* The Construction Authorization shall not be affected by a change in ownership of the site. This Construction Authorization is subject to compliance with the provisions of 15A NCAC 18E, or 15A NCAC 18A .1900, as applicable, and to the conditions of this permit.

Authorized Agent's Printed Name:	Bryson	Jones	Ex
Authorized Agent's Signature:	Bry	- Jang	Da
	0	*See attached site sketch*	

ate: ______ 11/5/29______

NCDHHS/DPH/EHS/OSWP

Revised June 2024 Form CA-24.1





/

Kaitland Finkle

From:	Tricia King <ttkdesignstudio@gmail.com></ttkdesignstudio@gmail.com>
Sent:	Wednesday, January 8, 2025 12:24 AM
То:	Kaitland Finkle; Jim Devine; Todd King; Town Manager
Subject:	Re: 3 FAWN TURN LANE - Submittal for December LP Planning Board review and approval
Attachments:	Devine JAN 7 2025-20 SCALE 24X36 SITE PLAN-1.pdf; Devine JAN 7 2025-20 SCALE 24X36 STORMWATER PLAN-1.pdf; Devine JAN 7 2025-20 SCALE 24X36 LANDSCAPE PLAN-1.pdf

Be Advised: This email originated from outside of the Laurel Park network. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Kaitland,

Thank you for your patience. I followed up with Jeff at Gentry and have addressed all comments. Attached are the updated drawings that show river rock outlet protection at the cistern overflow areas, removal of infiltration of the river rock swale and notes regarding the ensuring of water conveyance under the neighbors driveway on the left side of the driveway at 3 Fawn Turn Lane. See below:

Below are Will Buie's comments:

I've had a chance to review the information submitted including stormwater plans prepared by TTK Design and a geotechnical report prepared by Gentry Geotechnical Engineering. The project located at 3 Fawn Turn is considered "steep slope" with a calculated slope of 29% as provided by the landscape architect. The stormwater plan proposes to direct runoff from the driveway and western portion of the house to a river rock swale with infiltration. Runoff from the eastern portion of the house is being directed to two cisterns with overflow from the cisterns being directed to the eastern portion of the property.

Per section 3.1.2:B of the Laurel Park UDO, sites with steep and very steep slopes or geologic hazards are required to disperse stormwater runoff from the site unless such dispersal could increase the possibility of landslide hazards on the site. Overflow from the proposed cisterns appears to be a reasonable approach to dispersal of stormwater. However, the river rock swale on the western side of the site is proposed to include infiltration. This should be addressed between the designer and the geotechnical engineer to confirm how this meets the section of the UDO referenced above. They may be able to use a swale with no proposed infiltration to address this question.

Jeff Wales (Gentry) agrees that the river rock swale would convey water without infiltration and should be sufficient.

In addition, the geotechnical report does address surface water management in section 9.5 of the report, but it doesn't specifically indicate whether dispersal of stormwater on this site is appropriate. This could be

addressed by the geotechnical engineer in an addendum to their report. Jeff Wales (Gentry) addresses surface water management in the report and I talked to Jeff about the types of dispersal and he agreed that the cistern dispersal into river rock protection outlets with vegetation is appropriate.

Surface Water Management

Control of surface water from driveway areas and roof drainage is very important for this site. Surface water that erodes slopes could cause instability or undermine footings. All structures should incorporate gutters with downspouts that are connected to a pipe system that will convey water to storm drains or offsite. Routine maintenance should include inspecting, cleaning and repairing the gutters, downspouts and other stormwater handling systems as needed to ensure they remain operable. Inspections and cleanings should be performed at least annually. If conveyance of surface water into municipal storm drains is not possible, the surface water should be directed well away from the structure and maintained in a distributed flow onto the natural slope. Surface water should not be directed below the ground surface.

Two additional items that should be considered:

-The drainage from the proposed river rock swale and driveway is being discharged onto Fawn Turn Lane directly above the driveway for 191 Sweetgum Trail. It is not clear if there is a functional driveway culvert under this driveway. This needs to be addressed by either the property owner at 191 Sweetgum or the owner of 3 Fawn Turn Lane. The drainage from the left side of 3 Fawn Turn Lane will outlet to the new river rock swale at the top of the culdesac and would continue along Fawn Turn Lane just as the neighbors runoff follows the left side of Fawn Turn Lane. The culvert at the drive below should be cleared to function and further investigation to make sure the swale functions.

-The stormwater dispersal from the proposed cisterns on the eastern side of the site appear to flow onto the property at 36 Fawn Turn Lane. We would suggest the designer review this condition to make sure there are no adverse impacts to the property owner at 36 Fawn Turn Lane. The cistern overflow would flow into pipes that outlet onto 3 Fawn Turn Lane and disperse onto their property. It would be dispersed and absorbed in the no mow lawn on 3 Fawn Turn Lane.

On Tue, Jan 7, 2025 at 4:46 PM Kaitland Finkle <<u>kfinkle@laurelpark.org</u>> wrote:

Tricia,

I wanted to follow up to see if you have an update from Gentry addressing Will's comments. We are compiling materials to send to the Planning Board and need to have something showing Will's comments have been addressed.

Sincerely,